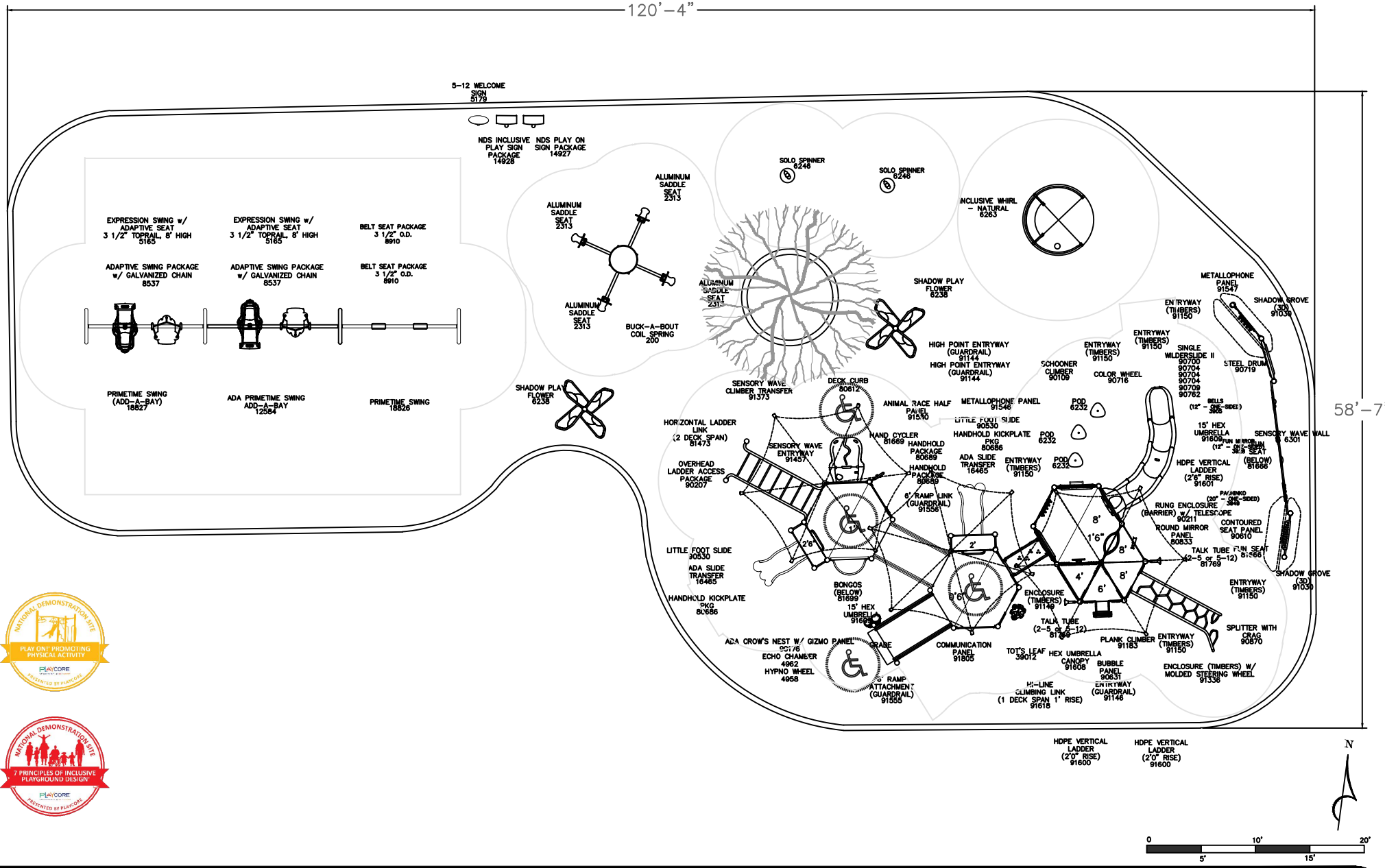



NATIONAL DEMONSTRATION SITE
PLAY ON! PROMOTING PHYSICAL ACTIVITY
PLAYCORE
PRESENTED BY PLAYCORE

NATIONAL DEMONSTRATION SITE
7 PRINCIPLES OF INCLUSIVE PLAYGROUND DESIGN
PLAYCORE
PRESENTED BY PLAYCORE

GREAT WESTERN RECREATION

ISO 9001 CERTIFIED

Great Western Bid
Junipero Serra Elementary Playgrou
Ventura, CA
Representative
Great Western

SALES REP
TYLER KYRIOPOULOS
435-760-5103
TYLER@GWPARK.COM

| | | | |
|---|---|---|---|
| Total Elevated Play Components | 19 | | |
| Total Elevated Play Components Accessible By Ramp | 8 | Required | 5 |
| Total Elevated Components Accessible By Transfer | 11 | Required | 5 |
| Total Accessible Ground Level Components Shown | 24 | Required | 6 |
| Total Different Types Of Ground Level Components | 7 | Required | 3 |

This play equipment is recommended for children ages 5 - 12

Minimum Area Required: -

Scale: -

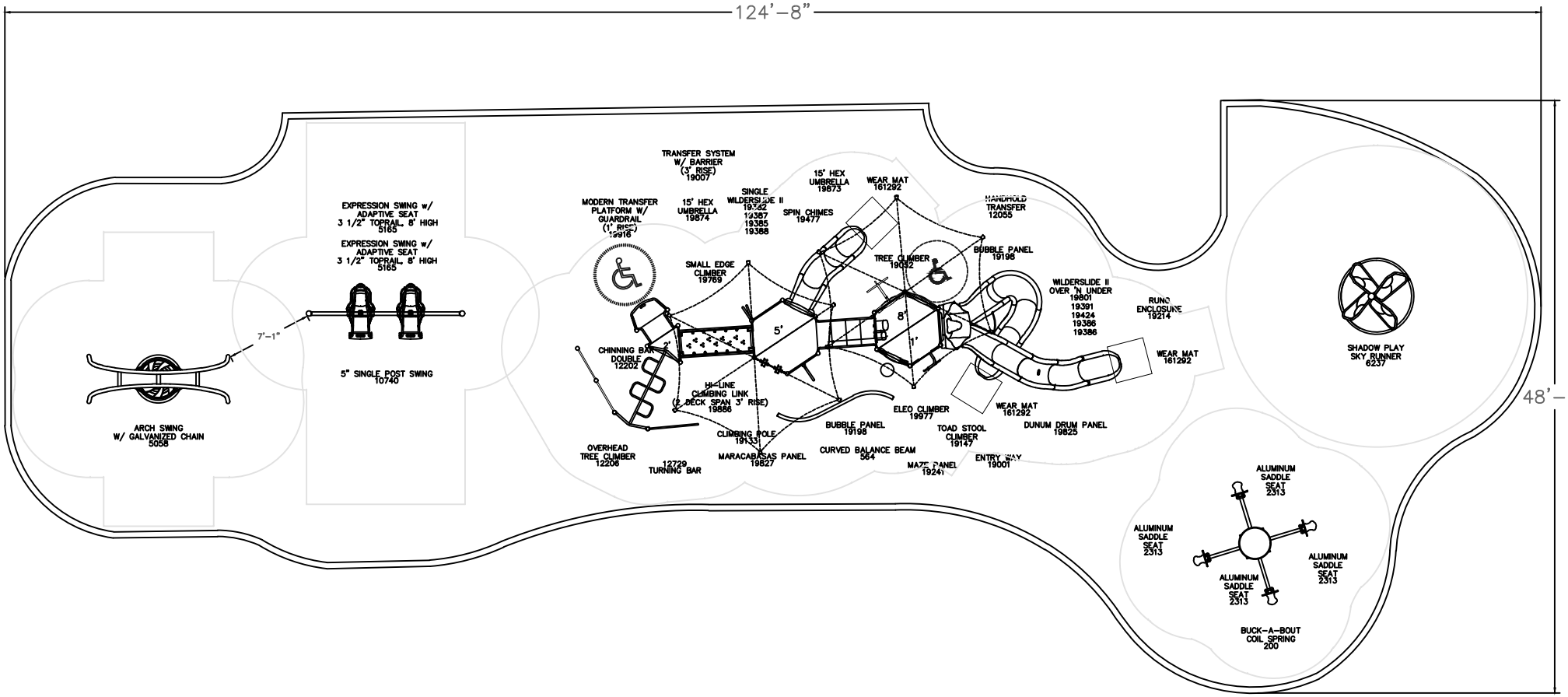
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By: BR

Date: 10/4/2024

Drawing Name: 110673-01-Opt 5 1-3 G




GREAT WESTERN RECREATION

ISO 9001 CERTIFIED

Great Western Bid
Junipero Serra Elementary Playgrou
Ventura, CA
Representative
Great Western

SALES REP
TYLER KYRIOPOULOS
435-760-5103
TYLER@GWPARK.COM

| | | | |
|---|---|---|---|
| Total Elevated Play Components | 15 | | |
| Total Elevated Play Components Accessible By Ramp | - | Required | - |
| Total Elevated Components Accessible By Transfer | 15 | Required | 8 |
| Total Accessible Ground Level Components Shown | 8 | Required | 5 |
| Total Different Types Of Ground Level Components | 5 | Required | 3 |

This play equipment is recommended for children ages
5-12

Minimum Area Required:
-

Scale: -

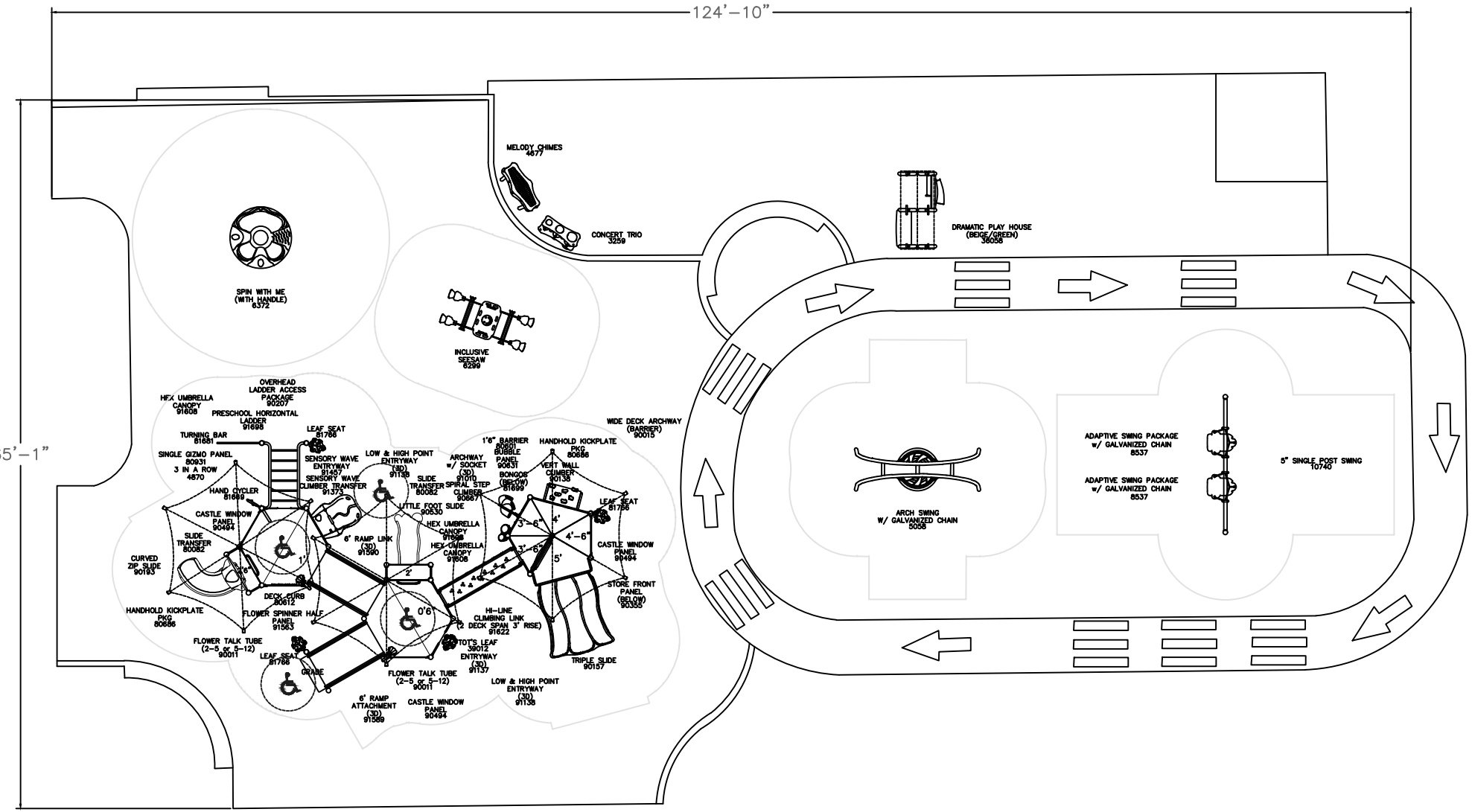
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By:
BR

Date:
10/4/2024

Drawing Name:
110673-01-Opt 5 4-5 G




GREAT WESTERN RECREATION

ISO 9001 CERTIFIED

Great Western Bid
Junipero Serra Elementary Playgrou
Ventura, CA
Representative
Great Western


SALES REP
TYLER KYRIOPOULOS
435-760-5103
TYLER@GWPARK.COM


| | | | |
|---|---|---|---|
| Total Elevated Play Components | 15 | | |
| Total Elevated Play Components Accessible By Ramp | 10 | Required | 4 |
| Total Elevated Components Accessible By Transfer | 15 | Required | 4 |
| Total Accessible Ground Level Components Shown | 9 | Required | 5 |
| Total Different Types Of Ground Level Components | 6 | Required | 3 |

This play equipment is recommended for children ages
2-5

Minimum Area Required:
-

Scale: -

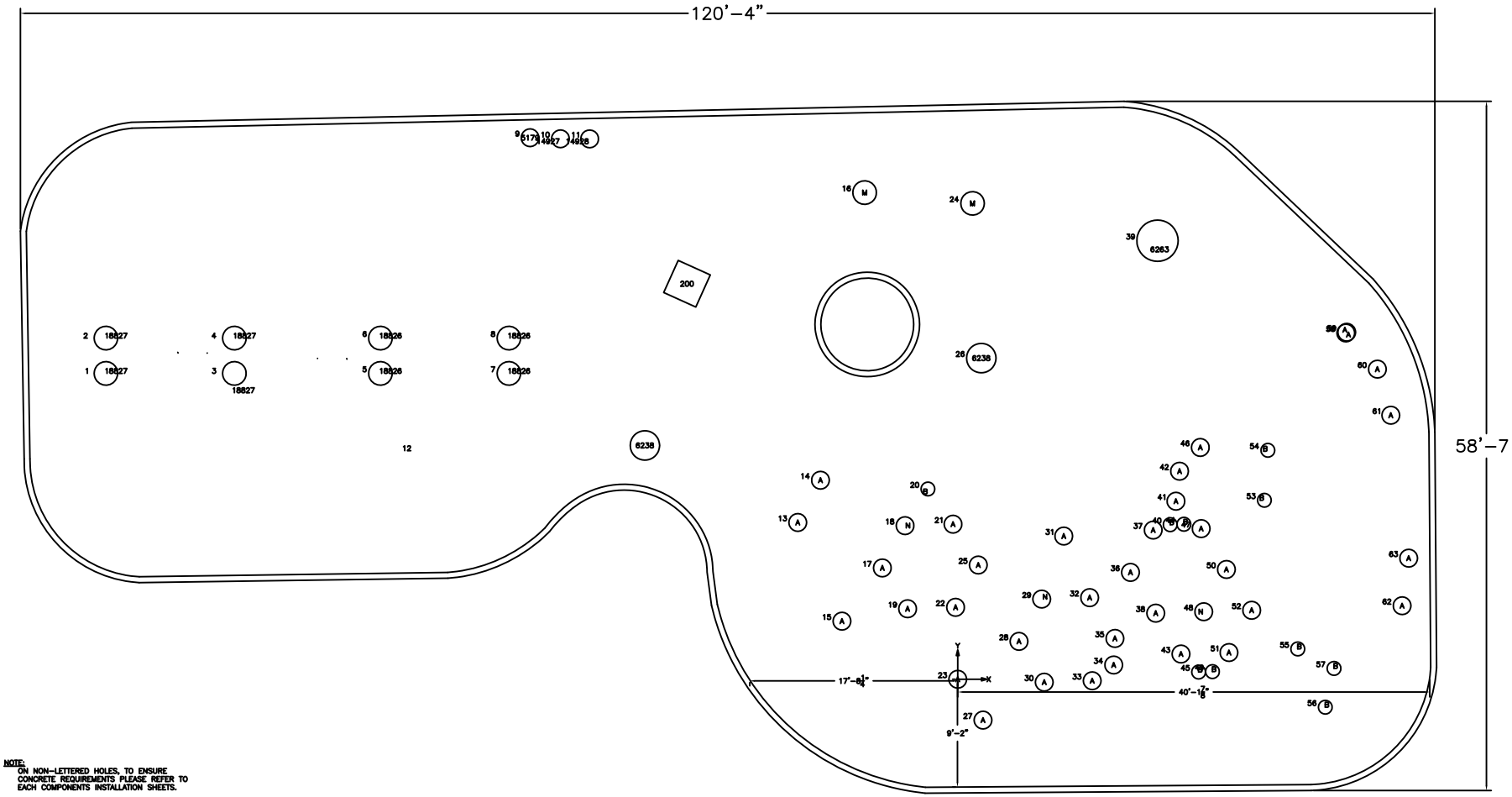
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By:
BR

Date:
9/26/2024

Drawing Name:
11067-01-Opt 4 TK-K G




| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | -72'-5 1/2" | 26'-0" | 77'-0" |
| 2 | -72'-5 1/2" | 29'-0" | 76'-0 1/2" |
| 3 | -61'-6 1/2" | 26'-0" | 66'-10" |
| 4 | -61'-6 1/2" | 29'-0" | 65'-0 1/2" |
| 5 | -49'-1 1/2" | 26'-0" | 55'-7" |
| 6 | -49'-1 1/2" | 25'-0" | 57'-0 1/2" |
| 7 | -38'-2" | 26'-0" | 46'-2 1/2" |
| 8 | -38'-2" | 29'-0" | 47'-11 1/2" |
| 9 | -36'-4 1/2" | 46'-0 1/2" | 58'-8 1/2" |
| 10 | -33'-9 1/2" | 45'-11 1/2" | 57'-0 1/2" |
| 11 | -31'-4" | 45'-11 1/2" | 55'-7 1/2" |
| 12 | -26'-7 1/2" | 19'-10 1/2" | 33'-2 1/2" |
| 13 | -13'-7 1/2" | 13'-4" | 19'-0 1/2" |
| 14 | -11'-8" | 16'-11" | 20'-7" |
| 15 | -9'-10" | 4'-11 1/2" | 11'-0 1/2" |
| 16 | -7'-11" | 41'-5" | 42'-2" |
| 17 | -6'-5" | 9'-5 1/2" | 11'-5 1/2" |
| 18 | -4'-6" | 13'-1" | 13'-10" |
| 19 | -4'-3" | 8'-0" | 7'-4 1/2" |
| 20 | -2'-8 1/2" | 16'-2" | 16'-4 1/2" |
| 21 | -0'-5" | 13'-2 1/2" | 13'-2 1/2" |
| 22 | -0'-2" | 6'-1 1/2" | 6'-1 1/2" |
| 23 | 0'-0" | 0'-0" | 0'-0" |
| 24 | 1'-3" | 40'-5 1/2" | 40'-8" |
| 25 | 1'-8" | 9'-8 1/2" | 9'-10 1/2" |
| 26 | 2'-0" | 27'-4" | 27'-4 1/2" |
| 27 | 2'-2" | -3'-5 1/2" | 4'-1" |
| 28 | 5'-2 1/2" | 3'-2 1/2" | 6'-1 1/2" |
| 29 | 7'-1 1/2" | 6'-10" | 9'-10 1/2" |
| 30 | 7'-4 1/2" | -0'-3" | 7'-4 1/2" |
| 31 | 9'-0" | 12'-2" | 15'-2" |
| 32 | 11'-2 1/2" | 6'-11 1/2" | 13'-2 1/2" |
| 33 | 11'-5 1/2" | -0'-1 1/2" | 11'-5 1/2" |
| 34 | 13'-3" | 1'-2 1/2" | 13'-4" |
| 35 | 13'-4 1/2" | 3'-5 1/2" | 13'-10" |
| 36 | 14'-5 1/2" | 9'-1" | 17'-3 1/2" |
| 37 | 16'-7 1/2" | 12'-8 1/2" | 20'-11" |
| 38 | 16'-10" | 5'-7 1/2" | 17'-9" |
| 39 | 17'-0" | 37'-3 1/2" | 41'-0" |
| 40 | 18'-1" | 13'-2" | 22'-4" |
| 41 | 18'-6 1/2" | 15'-2" | 23'-11 1/2" |
| 42 | 18'-10 1/2" | 17'-8 1/2" | 25'-10 1/2" |
| 43 | 19'-0" | 2'-2" | 19'-1 1/2" |
| 44 | 19'-3" | 13'-2" | 23'-4" |
| 45 | 20'-6" | 0'-7 1/2" | 20'-6" |
| 46 | 20'-7 1/2" | 19'-8 1/2" | 28'-6 1/2" |
| 47 | 20'-8 1/2" | 12'-10" | 24'-4" |
| 48 | 20'-11" | 5'-9" | 21'-8 1/2" |
| 49 | 21'-8" | 0'-8" | 21'-8" |
| 50 | 22'-10 1/2" | 9'-4" | 24'-8 1/2" |
| 51 | 23'-1" | 2'-3 1/2" | 23'-2" |
| 52 | 25'-0" | 5'-10 1/2" | 25'-8" |
| 53 | 26'-1" | 15'-2 1/2" | 30'-2 1/2" |
| 54 | 26'-4 1/2" | 19'-5 1/2" | 32'-9 1/2" |
| 55 | 28'-11" | 2'-7" | 29'-0 1/2" |
| 56 | 31'-3" | -2'-4 1/2" | 31'-4 1/2" |
| 57 | 32'-0" | 0'-11" | 32'-0 1/2" |
| 58 | 33'-0" | 29'-5 1/2" | 44'-3" |
| 59 | 33'-1" | 29'-8" | 44'-4" |
| 60 | 35'-8 1/2" | 26'-4 1/2" | 44'-4 1/2" |
| 61 | 36'-10" | 22'-5 1/2" | 43'-2" |
| 62 | 37'-9 1/2" | 8'-3" | 38'-4" |
| 63 | 38'-4 1/2" | 10'-3 1/2" | 39'-8 1/2" |

* IN GROUND 91708 EXTENSION REQUIRED

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH* | QTY. |
| A | 1'-6" (45.72cm) | 2'-6" (76.20cm) | 33 |
| B | 1'-2" (35.56cm) | 2'-6" (76.20cm) | 10 |
| M | 2'-0" (60.96cm) | 3'-6" (106.68cm) | 2 |
| N | 1'-6" (45.72cm) | 3'-6" (106.68cm) | 3 |

*DEPTH IS MEASURED FROM FINISHED GRADE

NOTE:
ON NON-LETTERED HOLES, TO ENSURE CONCRETE REQUIREMENTS PLEASE REFER TO EACH COMPONENTS INSTALLATION SHEETS.

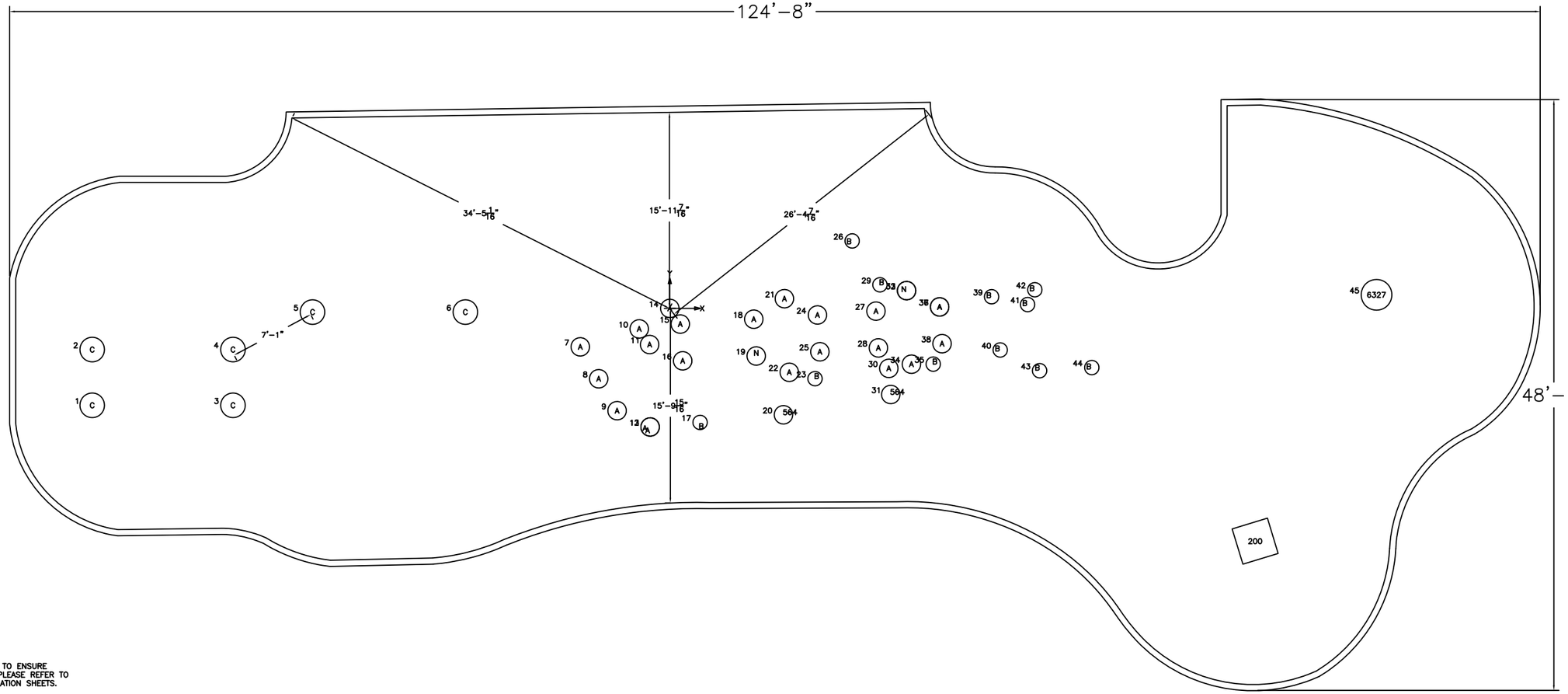
| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | -47'-0 1/2" | -7'-10 1/2" | 47'-8 1/2" |
| 2 | -47'-0 1/2" | -3'-4" | 47'-2" |
| 3 | -35'-7" | -7'-10 1/2" | 36'-5" |
| 4 | -35'-7" | -3'-4" | 35'-9" |
| 5 | -29'-1" | -0'-3 1/2" | 29'-1" |
| 6 | -16'-8" | -0'-3 1/2" | 16'-8" |
| 7 | -7'-3 1/2" | -3'-1 1/2" | 7'-11" |
| 8 | -5'-9 1/2" | -5'-8 1/2" | 8'-1 1/2" |
| 9 | -4'-3 1/2" | -8'-4" | 9'-4 1/2" |
| 10 | -2'-6" | -1'-8" | 3'-0" |
| 11 | -1'-7 1/2" | -2'-11 1/2" | 3'-4 1/2" |
| 12 | -1'-7" | -9'-8" | 9'-9 1/2" |
| 13 | -1'-7" | -9'-8" | 9'-9 1/2" |
| 14 | 0'-0" | 0'-0" | 0'-0" |
| 15 | 0'-10" | -1'-3 1/2" | 1'-6 1/2" |
| 16 | 1'-0 1/2" | -4'-3" | 4'-4 1/2" |
| 17 | 2'-5 1/2" | -9'-3 1/2" | 9'-7" |
| 18 | 6'-10" | -0'-10 1/2" | 6'-10 1/2" |
| 19 | 7'-0 1/2" | -3'-10 1/2" | 8'-0 1/2" |
| 20 | 9'-3" | -8'-8" | 12'-8" |
| 21 | 9'-4" | 0'-9 1/2" | 9'-4 1/2" |
| 22 | 9'-8 1/2" | -5'-2 1/2" | 11'-0 1/2" |
| 23 | 11'-10" | -5'-8 1/2" | 13'-1 1/2" |
| 24 | 12'-0 1/2" | -0'-6 1/2" | 12'-0 1/2" |
| 25 | 12'-2 1/2" | -3'-6 1/2" | 12'-8 1/2" |
| 26 | 14'-10" | 5'-6" | 15'-10" |
| 27 | 16'-9 1/2" | -0'-2 1/2" | 16'-9 1/2" |
| 28 | 17'-0" | -3'-2 1/2" | 17'-3 1/2" |
| 29 | 17'-1 1/2" | 1'-11" | 17'-2 1/2" |
| 30 | 17'-10" | -4'-10 1/2" | 18'-6" |
| 31 | 18'-0" | -7'-0" | 19'-3 1/2" |
| 32 | 19'-3 1/2" | 1'-5 1/2" | 19'-4" |
| 33 | 19'-3 1/2" | 1'-5 1/2" | 19'-4" |
| 34 | 19'-8" | -4'-6 1/2" | 20'-2 1/2" |
| 35 | 21'-5 1/2" | -4'-6 1/2" | 21'-11" |
| 36 | 21'-11 1/2" | 0'-1 1/2" | 21'-11 1/2" |
| 37 | 21'-11 1/2" | 0'-1 1/2" | 21'-11 1/2" |
| 38 | 22'-2" | -2'-10 1/2" | 22'-4" |
| 39 | 26'-2 1/2" | 0'-11 1/2" | 26'-2 1/2" |
| 40 | 26'-11" | -3'-4 1/2" | 27'-1 1/2" |
| 41 | 29'-1 1/2" | 0'-4" | 29'-1 1/2" |
| 42 | 29'-8 1/2" | 1'-6" | 29'-9" |
| 43 | 30'-1 1/2" | -5'-1" | 30'-6 1/2" |
| 44 | 34'-4 1/2" | -4'-10" | 34'-8 1/2" |
| 45 | 57'-6 1/2" | 1'-1 1/2" | 57'-6 1/2" |

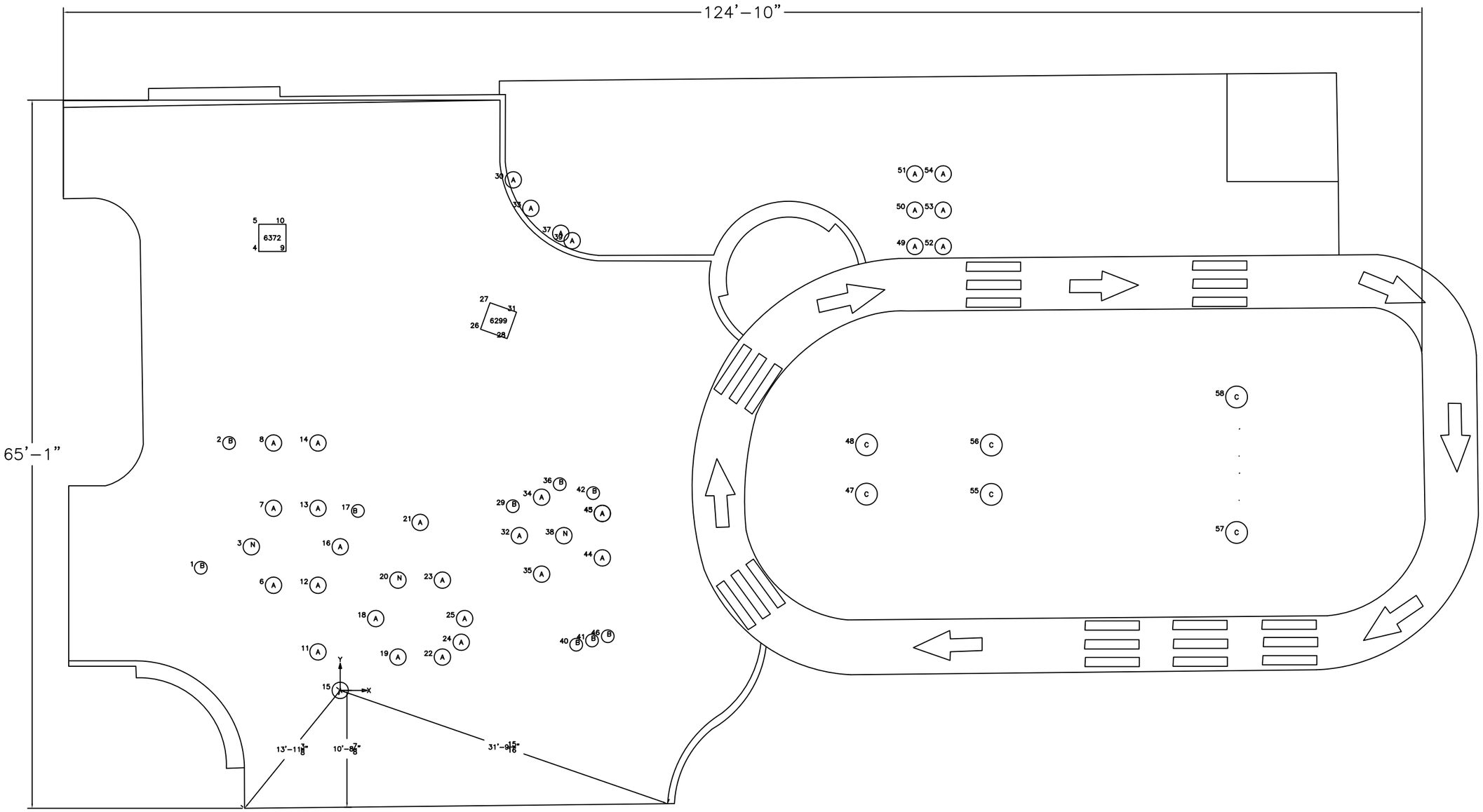
* IN GROUND 9170B EXTENSION REQUIRED

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH* | QTY. |
| A | 1'-6" [45.72cm] | 2'-6" [76.20cm] | 22 |
| B | 1'-2" [35.56cm] | 2'-6" [76.20cm] | 11 |
| C | 2'-0" [60.96cm] | 4'-0" [121.92cm] | 6 |
| N | 1'-6" [45.72cm] | 3'-6" [106.68cm] | 2 |

*DEPTH IS MEASURED FROM FINISHED GRADE

NOTE:
ON NON-LETTERED HOLES, TO ENSURE CONCRETE REQUIREMENTS PLEASE REFER TO EACH COMPONENTS INSTALLATION SHEETS.






| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | –12'–9 1/2" | 11'–3" | 17'–0 1/2" |
| 2 | –10'–2 1/2" | 22'–9" | 24'–11" |
| 3 | –8'–2" | 13'–2 1/2" | 15'–6" |
| 4 | –7'–5 1/2" | 40'–4" | 41'–0 1/2" |
| 5 | –7'–5 1/2" | 42'–10" | 43'–6" |
| 6 | –6'–1 1/2" | 9'–8" | 11'–5 1/2" |
| 7 | –6'–1 1/2" | 16'–9" | 17'–10" |
| 8 | –6'–1 1/2" | 22'–9" | 23'–6 1/2" |
| 9 | –4'–11 1/2" | 40'–4" | 40'–7 1/2" |
| 10 | –4'–11 1/2" | 42'–10" | 43'–1 1/2" |
| 11 | –2'–0 1/2" | 3'–6 1/2" | 4'–1" |
| 12 | –2'–0 1/2" | 9'–8" | 9'–10 1/2" |
| 13 | –2'–0 1/2" | 16'–9" | 16'–10 1/2" |
| 14 | –2'–0 1/2" | 22'–9" | 22'–10" |
| 15 | 0'–0" | 0'–0" | 0'–0" |
| 16 | 0'–0" | 13'–2 1/2" | 13'–2 1/2" |
| 17 | 1'–7 1/2" | 16'–6" | 16'–7" |
| 18 | 3'–3" | 6'–7" | 7'–4 1/2" |
| 19 | 5'–3 1/2" | 3'–0 1/2" | 6'–1 1/2" |
| 20 | 5'–3 1/2" | 10'–1 1/2" | 11'–5 1/2" |
| 21 | 7'–4" | 15'–5" | 17'–1" |
| 22 | 9'–4 1/2" | 3'–0 1/2" | 9'–10 1/2" |
| 23 | 9'–4 1/2" | 10'–1 1/2" | 13'–10" |
| 24 | 11'–1 1/2" | 4'–5" | 11'–11 1/2" |
| 25 | 11'–5" | 6'–7" | 13'–2 1/2" |
| 26 | 12'–10 1/2" | 33'–2 1/2" | 35'–7 1/2" |
| 27 | 13'–9" | 35'–7 1/2" | 38'–2 1/2" |
| 28 | 15'–4" | 32'–4" | 35'–9 1/2" |
| 29 | 15'–10" | 16'–11" | 23'–2 1/2" |
| 30 | 15'–11" | 46'–11" | 49'–6 1/2" |
| 31 | 16'–2 1/2" | 34'–9" | 38'–4" |
| 32 | 16'–5 1/2" | 14'–2 1/2" | 21'–9" |
| 33 | 17'–6" | 44'–3 1/2" | 47'–7 1/2" |
| 34 | 18'–6" | 17'–9" | 25'–7 1/2" |
| 35 | 18'–6" | 10'–8" | 21'–4 1/2" |
| 36 | 20'–2" | 18'–11 1/2" | 27'–8" |
| 37 | 20'–3" | 42'–0" | 46'–2 1/2" |
| 38 | 20'–6 1/2" | 14'–2 1/2" | 25'–0" |
| 39 | 21'–3 1/2" | 41'–4" | 46'–6" |
| 40 | 21'–8" | 4'–2 1/2" | 22'–1" |
| 41 | 23'–1 1/2" | 4'–7" | 23'–7" |
| 42 | 23'–3" | 18'–1 1/2" | 29'–5 1/2" |
| 43 | 24'–1" | 16'–3" | 29'–0 1/2" |
| 44 | 24'–1" | 12'–2" | 27'–0" |
| 45 | 24'–1" | 16'–3" | 29'–0 1/2" |
| 46 | 24'–7" | 4'–11 1/2" | 25'–1" |
| 47 | 48'–4" | 18'–0 1/2" | 51'–7" |
| 48 | 48'–4" | 22'–7" | 53'–4 1/2" |
| 49 | 52'–9 1/2" | 40'–9 1/2" | 66'–8 1/2" |
| 50 | 52'–9 1/2" | 44'–1 1/2" | 68'–9 1/2" |
| 51 | 52'–9 1/2" | 47'–5 1/2" | 71'–0" |
| 52 | 55'–4 1/2" | 40'–9 1/2" | 68'–9 1/2" |
| 53 | 55'–4 1/2" | 44'–1 1/2" | 70'–10" |
| 54 | 55'–4 1/2" | 47'–5 1/2" | 72'–11 1/2" |
| 55 | 59'–9 1/2" | 18'–0" | 62'–5 1/2" |
| 56 | 59'–10" | 22'–6 1/2" | 63'–11" |
| 57 | 82'–4" | 14'–6" | 83'–7 1/2" |
| 58 | 82'–4" | 26'–11 1/2" | 86'–8" |
| * IN GROUND 91708 EXTENSION REQUIRED | | | |

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH* | QTY. |
| A | 1'–6" [45.72cm] | 2'–6" [76.20cm] | 31 |
| B | 1'–2" [35.56cm] | 2'–6" [76.20cm] | 9 |
| C | 2'–0" [60.96cm] | 4'–0" [121.92cm] | 6 |
| N | 1'–6" [45.72cm] | 3'–6" [106.68cm] | 3 |
| *DEPTH IS MEASURED FROM FINISHED GRADE | | | |

NOTE:
ON NON–LETTERED HOLES, TO ENSURE CONCRETE REQUIREMENTS PLEASE REFER TO EACH COMPONENTS INSTALLATION SHEETS.

A PLAYCORE COMPANY GameTime®
Enriching Childhood Through Play℠
1-800-235-2440

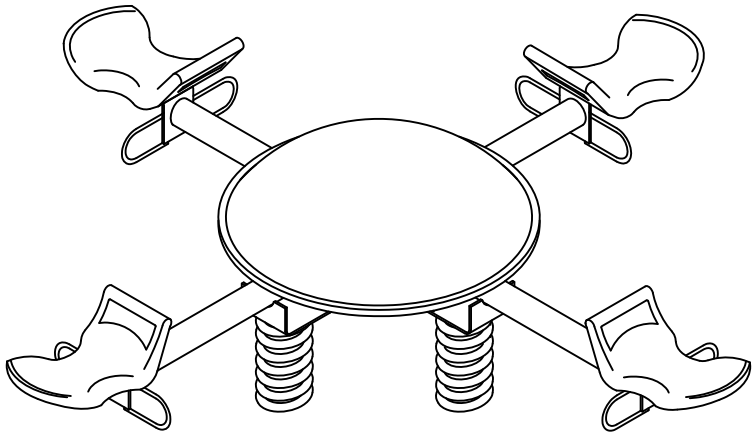
# 200
# BUCK-A-BOUT

**ISSUED/REVISED: 6/30/23**

⬡ = INSTALLATION DETAIL

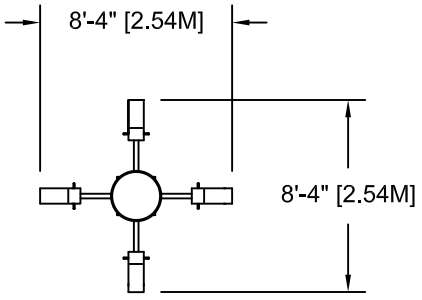
◯ = PARTS LIST REFERENCE



*2313 Seats Ordered Seperately*

•THIS PRODUCT SHALL BE INSTALLED IN A LOW-TRAFFIC AREA.
•OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF THIS PRODUCT TO COMPLY WITH ASTM F1292 AND ASTM F-1487 (U.S.) OR CAN/CSA-614 (CANADA). USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) FOR THIS PRODUCT SHALL EXTEND TO 13'-8" [4.1 M] DIAMETER MINIMUM.
•FOR CANADIAN INSTALLATIONS ONLY. AN ADDITIONAL 1.8 M LONG NO ENCROACHMENT ZONE IS REQUIRED BEYOND THE PROTECTIVE SURFACING ZONE OF SLIDES, SPACE SHUTTLES AND OTHER PLAY EQUIPMENT CAUSING THE USER TO BE PROPELLED FORWARD.




***TOP VIEW***

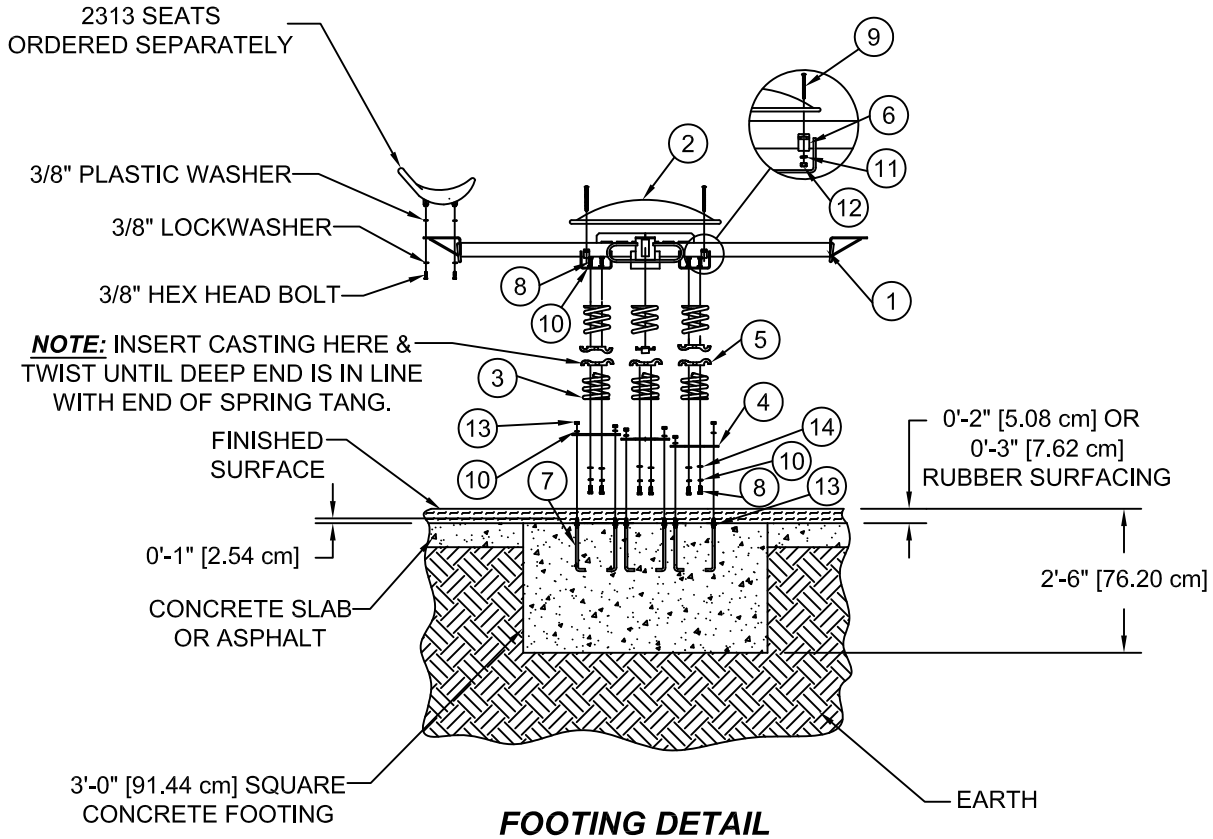
## *SPECIFICATIONS*

**FRAME:** Cross Bars shall be fabricated of 2-7/8" O.D. galvanized pipe. Top plates shall be fabricated of 1/4" x 4" H.R. steel plate. Footbuck shall be fabricated of 1/2" diameter rod. Spring mount brackets shall be fabricated of 1/4" x 6" H.R. steel. Dome shall be fabricated of 14 gauge H.R. steel, 2'-7-1/2" [80.01 cm] diameter with 3/4" O.D. rolled edge. All shall be electric welded to form frame assembly. Dome will bolt to frame assembly.
**BASE PLATES:** Shall be fabricated of 1/4" x 6" x 10" H.R. steel and precision drilled to receive 1/2" spring mount bolts and anchor bolts.
**SPRING MOUNT CASTING:** Shall be high strength type 32510 malleable iron.
**SADDLEMATES:** Shall be cast in one piece from aluminum. The nominal wall thickness of the saddlemates shall be 1/4" thick. A 1-1/16" diameter aluminum rod shall extend through the saddlemate to provide a handhold. Handhold shall be capped with a 3-3/16" O.D. aluminum guard casting.
**SEATS:** Cast aluminum with handhold molded to seat to form a one piece seat.
**FINISH:** Powder coating. Animals shall be painted and decorated bright permacryl colors.

**GENERAL:** Buck-A-Bout shall be supported on four springs. Spring shall be attached to base plate and spring mount plate with malleable iron castings. No welding shall be done on springs.
**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.
**NOTE:** All weights are based on average comparisons of each part.
**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

## STOP IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS STOP

❑ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
❑ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
❑ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
❑ Equipment should be placed to eliminate conflicting traffic patterns.
❑ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
❑ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
❑ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
❑ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
❑ Never add components not intended for use with this product.
❑ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
❑ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.
❑ Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.
❑ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the equipment. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.




## FOOTING DETAIL

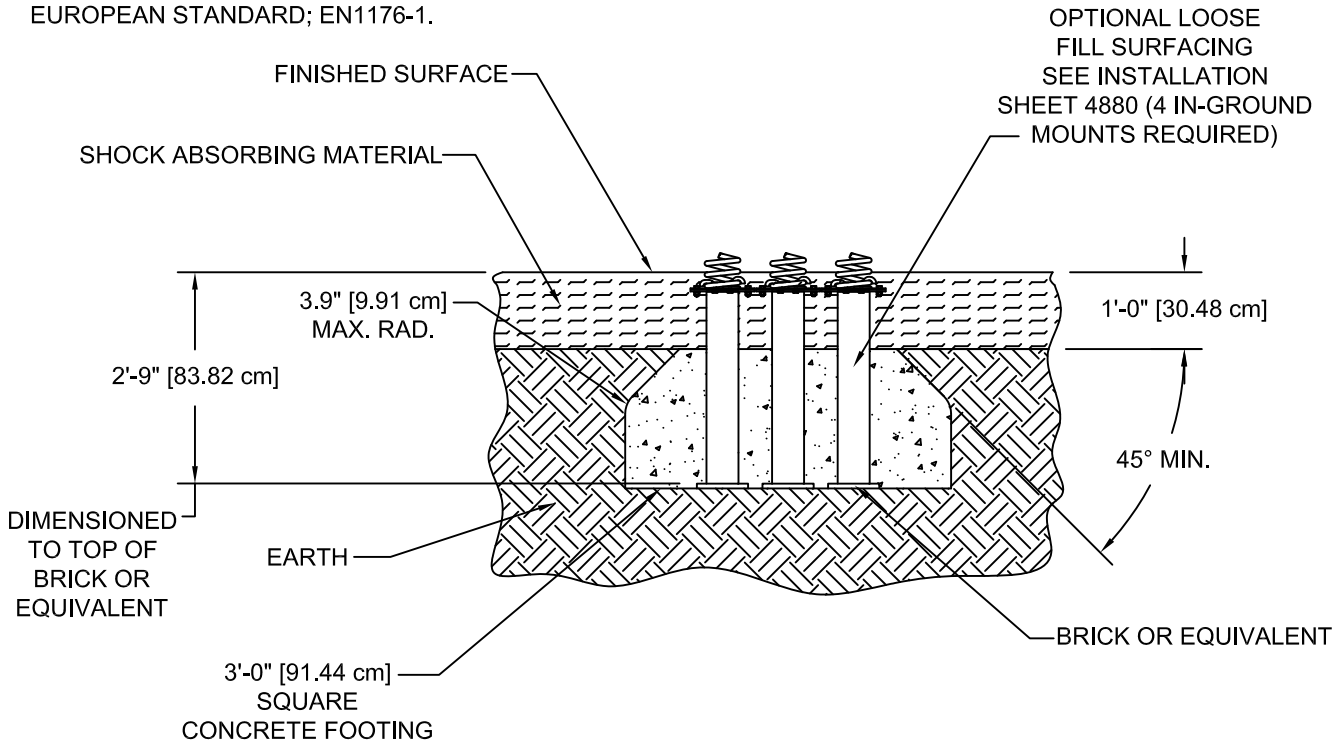
Rubber Surfacing
(Corner View)

***NOTES:***

- SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48 CM] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI.
- HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE GROUND DETAIL. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.
- NO MORE THAN TWO THREADS MAY EXTEND PAST NUT ON COMPLETED ASSEMBLY. IF MORE THAN TWO THREADS ARE SHOWING CUT END OFF BOLT AND TREAT TO PREVENT CORROSION.

Concrete Requirement
for Rubber Surfacing
.75 Cubic Yards
[.57 Cubic Meters]

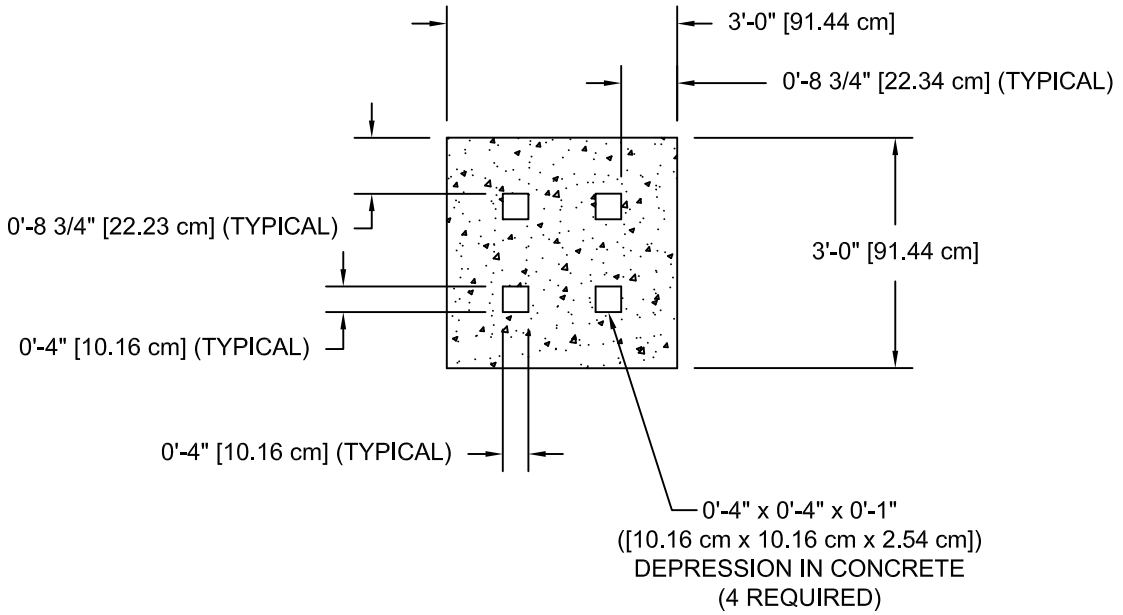
**NOTE:**
SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD; EN1176-1.




## *ALTERNATE FOOTING*

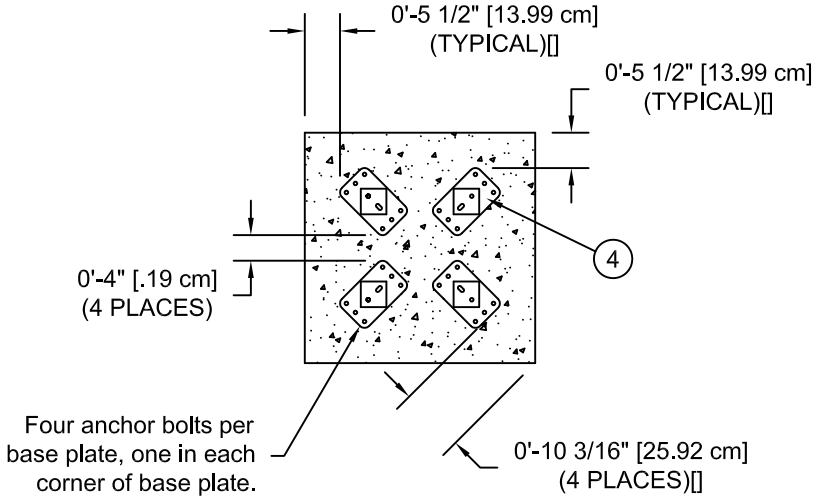
*FOR LOOSE FILL SURFACING*
*(CORNER VIEW)*

CONCRETE REQUIREMENT
FOR LOOSE FILL SURFACING
.58 CUBIC YARDS
[.45 CUBIC METERS]




## *DETAIL 'A'*

*HOLE LOCATIONS*
*FOR SPRING BOLTS*




***DETAIL 'B'***

*LOCATION FOR*
*BASE PLATES*

## *SET UP INSTRUCTIONS*

**NOTE:** THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.
**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.
**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.
**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.
**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.
**STEP 1:** Dig hole 3'-0" [91.44 cm] square x 2'-6" [76.20 cm] deep and fill with concrete. Note: Check footing detail for correct shape.
**NOTE:** After installation, the seat area height should be between 1'-2" [35.56 cm] and 2'-4" [71.12 cm] above the protective surfacing.
**STEP 2:** Attach anchor bolts to base plates. Four anchor bolts per base plate, one in each corner of base plate. Make indentations in concrete for spring bolts. See Detail 'A'. Set base plates in concrete when concrete has set long enough to support base plate. Level and wait 48 hours before proceeding.
**STEP 3:** After concrete has hardened, remove base plate. Place frame assembly upside down on the ground. Fasten springs to frame assembly using 1/2" x 1-1/4" hex head bolts and lockwashers then fasten base plates to springs using 1/2" x 1-1/4" hex head bolts (fine thread), lockwasher, flatwasher and spring castings. Do not tighten bolt until all springs and base plates are secured.
**STEP 4:** Turn assembly over and secure to anchor bolts. Fasten dome to frame using clamps and 3/8" x 4 1/2" carriage bolts, nut and lockwasher.
**STEP 5:** (FOR SADDLE SEATS) Fasten seat to frame using 3/8" hex head bolts, lockwashers and plastic washers. **VERY IMPORTANT.** Place the 4 special plastic washers between bottom of seat and plate of Frame Assembly.
**STEP 5:** (FOR SADDLEMATES) Refer to set-up instructions under Saddlemate spec sheet.
**NOTE:** Loctite (supplied by others) should be used on all threaded hardware.
**NOTE:** We suggest you retighten all bolts after the unit has been used three to four days.
**NOTE:** Approximately .75 cubic yards [.57 cubic meters] of concrete required for rubber surfacing. Approximately .58 cubic yards [.45 cubic meters] is required for optional loose fill footing.
**NOTE:** For optional loose fill surfacing refer to specification sheet 4880.
**NOTE:** Allow 48 hours minimumfor concrete to cure before using.
**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.
**NOTE:** No more than two threads may extend past nut on completed assembly. If more than two threads are showing cut end off bolt and treat to prevent corrosion.

## *PARTS LIST*

| *REF NO.* | *DESCRIPTION* | *No. REQ'D* | *PART NUMBER* |
|---|---|---|---|
| 1 | Frame Ass'y | 1 | 126778 |
| 2 | Dome | 1 | 100543 |
| 3 | Spring | 4 | 100334 |
| 4 | Base Plate | 4 | 126776 |
| | Hardware Complete | 1 | 127248 |
| 5 | Spring Mount Casting | 8 | 1089* |
| 6 | Clamp for Dome | 2 | 157002* |
| 7 | Anchor Bolt | 16 | 800000* |
| 8 | 1/2" x 1-1/4" Hex Head Bolts (Fine Thread) | 16 | 801254* |
| 9 | 3/8" x 4 1/2" Carriage Bolt | 4 | 800267* |
| 10 | 1/2" Lockwasher | 32 | 817342* |
| 11 | 3/8" Lockwasher | 4 | 817334* |
| 12 | 3/8" Hex Nut | 4 | 804053* |
| 13 | 1/2" Hex Nut | 32 | 804055* |
| 14 | 1/2" Flatwasher | 8 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

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**1-800-235-2440**

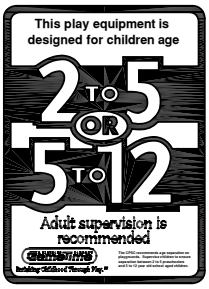
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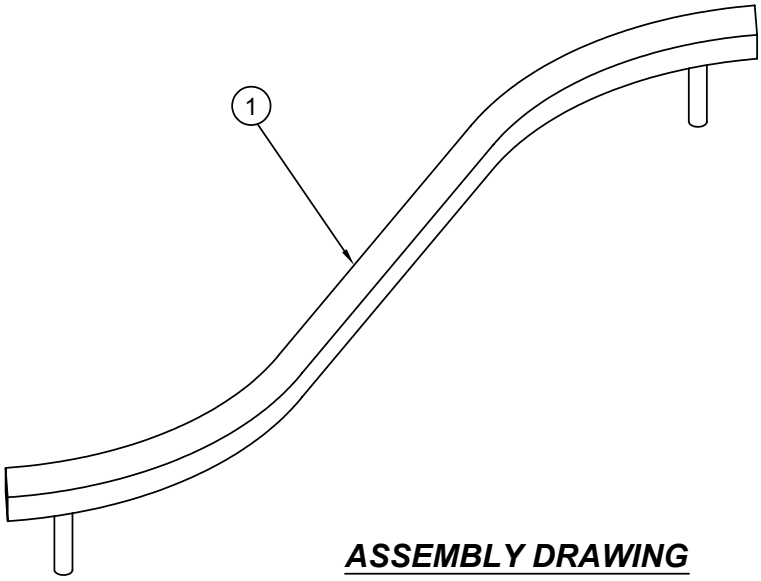
# CURVED BALANCE BEAM

**ISSUED/REVISED: 08/04/04**

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

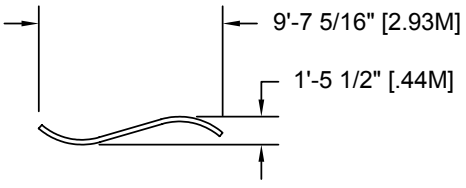



***ASSEMBLY DRAWING***

OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).

THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS.




***TOP VIEW***

## *SPECIFICATIONS*

***BEAM ASSEMBLY:*** Beam shall be fabricated of 3/16" x 3" square tubing. Caps shall be fabricated of 3/16" H.R. flat. Legs shall be fabricated of 1-7/8" O.D. galvanized pipe. Balance beam shall be an all-welded construction.

***GENERAL:*** Beam shall be approximately 1'-0" [30.48cm] high and approximately 9'-8" [294.64cm] long. Uprights shall be anchored in 2'-0" [60.96cm] deep concrete footings.

***FINISH:*** Unit shall have a powder coat finish.

***HARDWARE:*** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***SPECIFICATIONS:*** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

## STOP IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS STOP

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

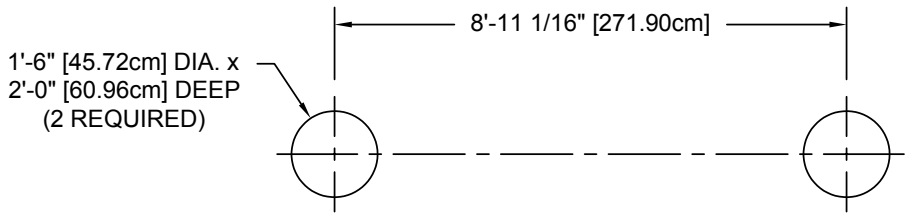
☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.

☐ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the equipment. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.




NOTE: Hole depths indicated on all ground plans are measurd from the finished surface. See Ground Detail. All footing dimensions are based on level finished surface.

## ***GROUND PLAN***

Concrete Required:
.14 Cubic Yards
[.11 Cubic Meters]

## *PARTS LIST*

| *REF. NO.* | *DESCRIPTION* | *NO. REQ'D* | *PART NUMBER* |
|---|---|---|---|
| 1 | Beam Assembly | 1 | 103409 |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

## *INSTALLATION INSTRUCTIONS*

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

***NOTE:*** Place a brick or equivalent at the bottom of ground holes (where shown) to provide a solid foundation. Allow for this in hole depth. See Ground Detail.

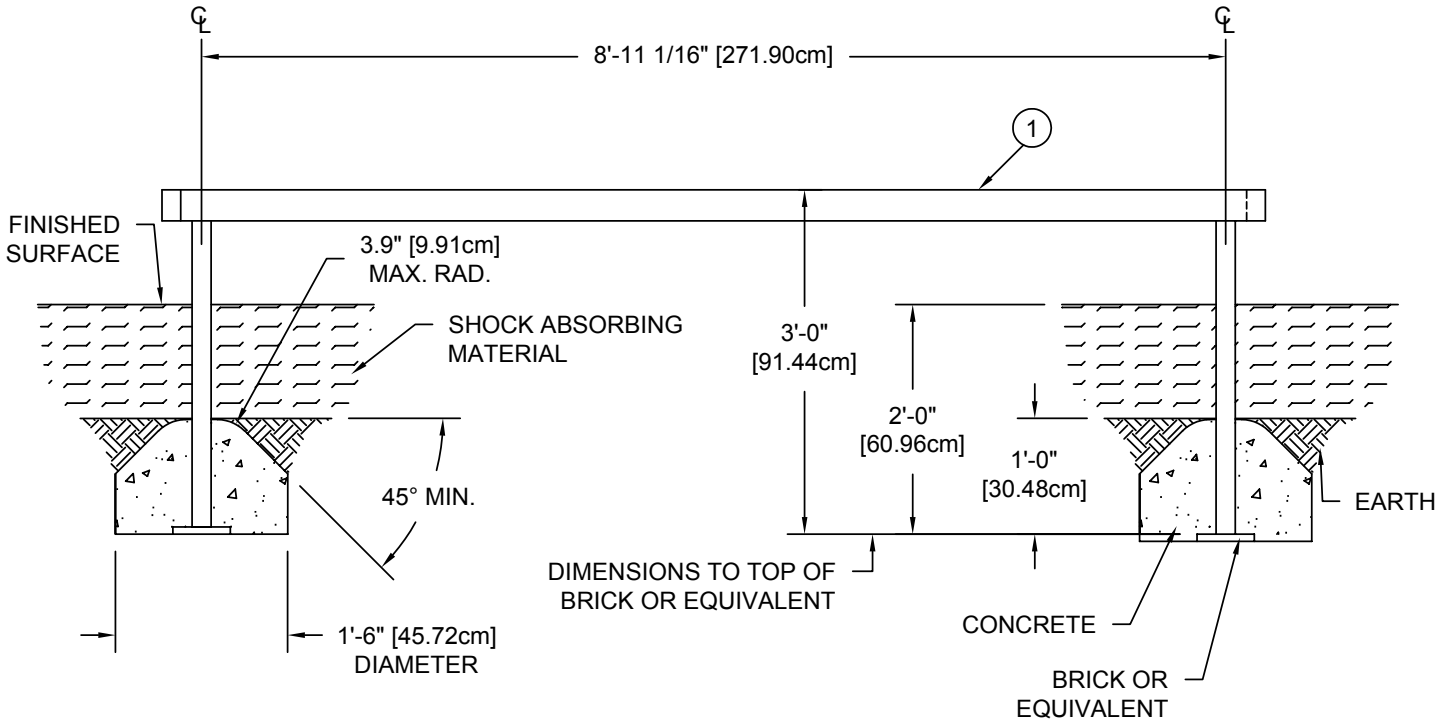
***STEP 1:*** Dig (2) holes 1'-6" [45.72cm] diameter x 2'-0" [60.96cm] deep, spaced on 8'-11 1/16" [271.90cm] centers. *NOTE: Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

***STEP 2:*** Tip Balance Beam into holes, making sure legs rest on foundation blocks.

***STEP 3:*** Plumb and sway brace.

***STEP 4:*** Pour concrete to within 1'-0" [30.48cm] of finished surface. (See Ground Detail).

***NOTE:*** Allow 48 hours minimum for concrete to cure and harden before using Balance Beam.




## ***GROUND DETAIL***

NOTES:

1.) Shock absorbing properties of surfacing materials vary. If you determine that less than 1'-0" [30.48cm] of surfacing is required, make up the difference in elevation with earth, before applying surfacing.

2.) Sloped footing is a requirement of European Standard EN1176-1.

3.) Suggested minimum concrete rating: 3000psi.

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# 3259

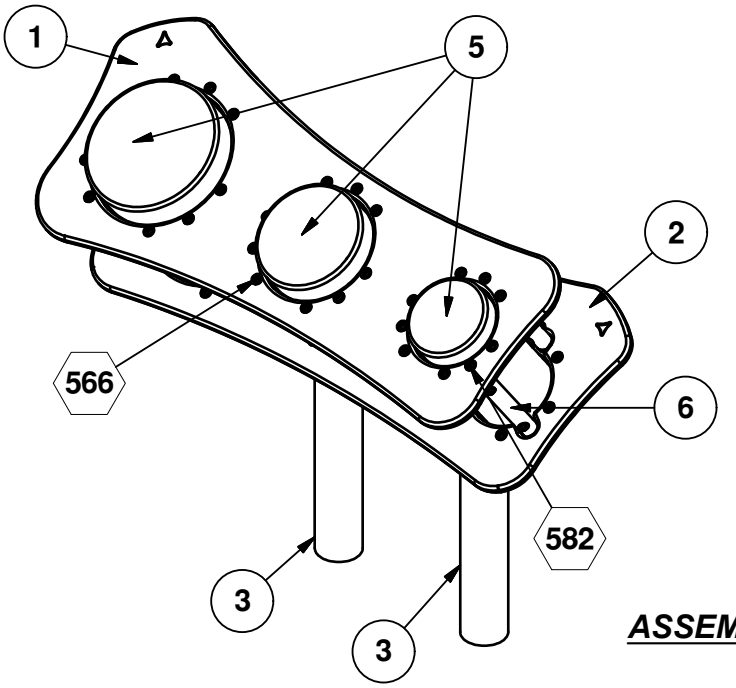
# CONCERT TRIO

**ISSUED/REVISED: 10/4/2017**

= INSTALLATION DETAIL

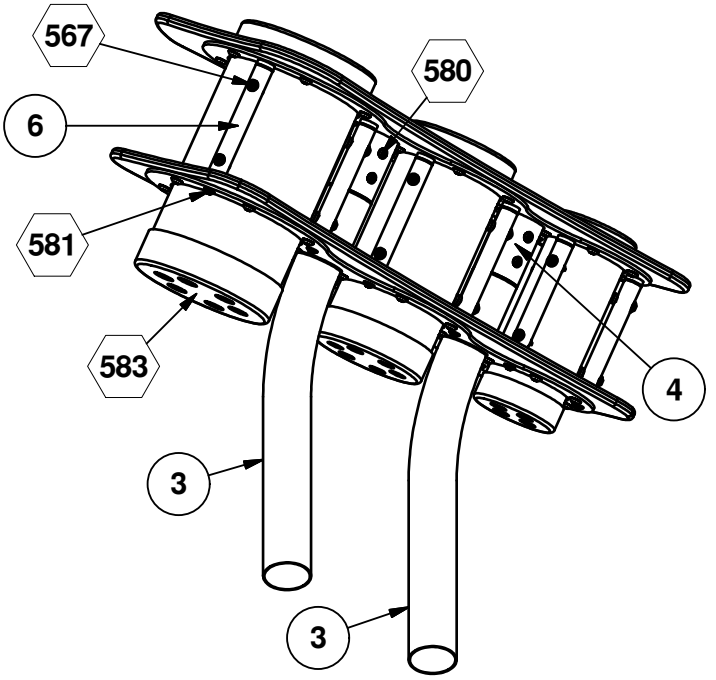
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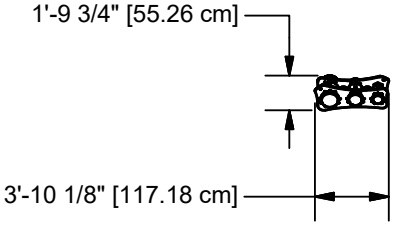


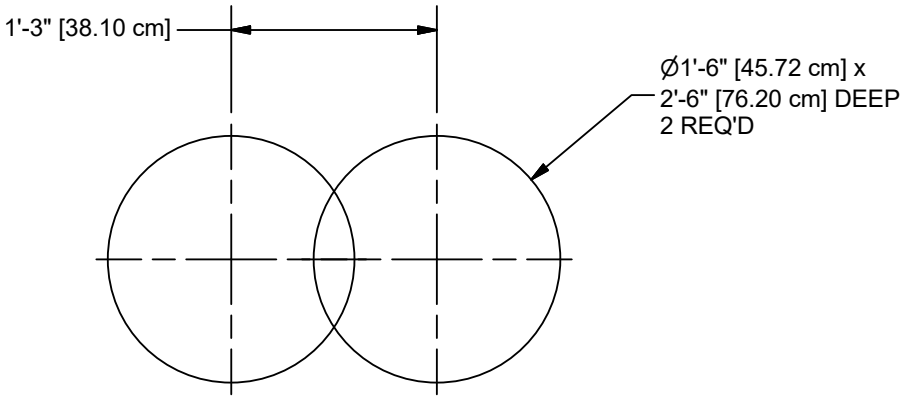

***ASSEMBLY VIEW***

**NOTE:**
**LOWER PRODUCT 0'-8" [20.32 cm]**
**IF INTENDED SPECIFICALLY**
**FOR USE BY 2-5 AGE GROUP**




***TOP VIEW***




**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

## ***GROUND PLAN***

**CONCRETE REQUIRED**
.20 CUBIC YARDS
[.15 CUBIC METERS]

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | CONCERT TRIO FRONT HDPE PANEL | 1 | 314066 |
| 2 | CONCERT TRIO BACK HDPE PANEL | 1 | 212793 |
| 3 | CONCERT TRIO UPRIGHT SUPPORT | 1 | 314065 |
| 4 | CONCERT TRIO RING ASSEMBLY | 1 | 314062 |
| 5 | DRUM PKG. (SET OF THREE) | 1 | 314097 |
| 6 | SPACER WITH INSERTS | 9 | 314057 |
| | ***HARDWARE COMPLETE*** | 1 | 314070 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 36 | 812052* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 18 | 812053* |
| | 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 18 | 812057* |
| | 3/8" x 3 1/4" P.B.H.C.S. w/PATCH | 4 | 812060* |
| | 3/8" FLAT WASHER | 72 | 817410* |
| | 3/8" BARREL NUT | 40 | 804804* |
| | 3/8" HEX NUT | 18 | 804053* |
| | 3/8" LOCK WASHER | 22 | 817334* |
| | 3/8" PLASTIC SPACER | 36 | 817613* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

# ***INSTALLATION INSTRUCTIONS***

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions

**1.** Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding surfacing, etc.

**2.** Attach Concert Trio Back HDPE Panel to Concert Trio Support Assembly. See Detail 566. **NOTE:** *Rotate panel so that the reference arrow is face up in the top right corner.*

**3.** Attach Spacer with Inserts to Concert Trio Upright Support. See Detail 581. **NOTE:** *Do not tighten connection until entire assembly is complete. Rotate Spacers so that the holes are orientated toward the center hole for the drum.*

**4.** Attach Concert Trio Ring Assembly to Concert Trio Upright Support. See Detail 580.

**5.** Attach Concert Trio Front HDPE Panel to Concert Trio Ring Assembly. See Detail 566. **NOTE:** *Rotate panel so that the reference arrow is face up in the top left corner.*

**6.** Attach Concert Trio Ring Assembly and Concert Trio Front HDPE Panel to Spacer with Inserts. See Detail 582.

**7.** Insert Concert Trio 6, Concert Trio 8, and Concert Trio 10 (included in Concert Trio Drum Package) into appropriate hole for each drum. Place the open end toward ground and allow the top to rest on the Concert Trio Support Assembly. Align each Spacer with Inserts so that the holes face each drum and field drill 3/8" hole thru each drum. Attach Concert Trio to Spacers. See Detail 567.

**8.** Plumb and level the entire assembly and tighten all fasteners

**9.** Attach bottom cover for Concert Trio 6, Concert Trio 8, and Concert Trio 10 using supplied adhesive. See Detail 583.

**10.** After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

**11.** When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

## ***SPECIFICATIONS***

**CONCERT TRIO FRONT HDPE PANEL AND CONCERT TRIO BACK HDPE PANEL:**
Shall be 3/4" thick high-desnity polyethylene.

**CONCERT TRIO 6, CONCERT TRIO 8, AND CONCERT TRIO 10:**
Shall be constructed of 6" plastic pipe, 8", and 10" plastic pipe, and molded plastic lid.

**CONCERT TRIO RING ASSEMBLY:**
Shall be an all welded construction fabricated from 3-1/2” O.D. X .095” (13 gauge) wall galvanized steel tubing and 1/4" thick laser cut steel. The Concert Trio Ring Assembly shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**CONCERT TRIO UPRIGHT SUPPORT:**
Shall be an all welded construction fabricated from 3-1/2” O.D. X .095” (13 gauge) wall galvanized steel tubing and 1/4" thick laser cut steel. The Concert Trio Upright Support shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**SPACER WITH INSERTS:**
Shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing and 1.120" threaded insert. The Spacer shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

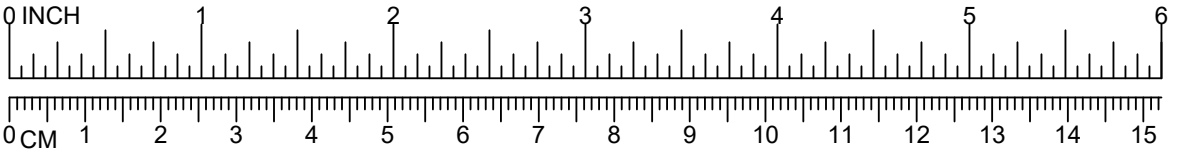
# DETAILS -for-
# 3259

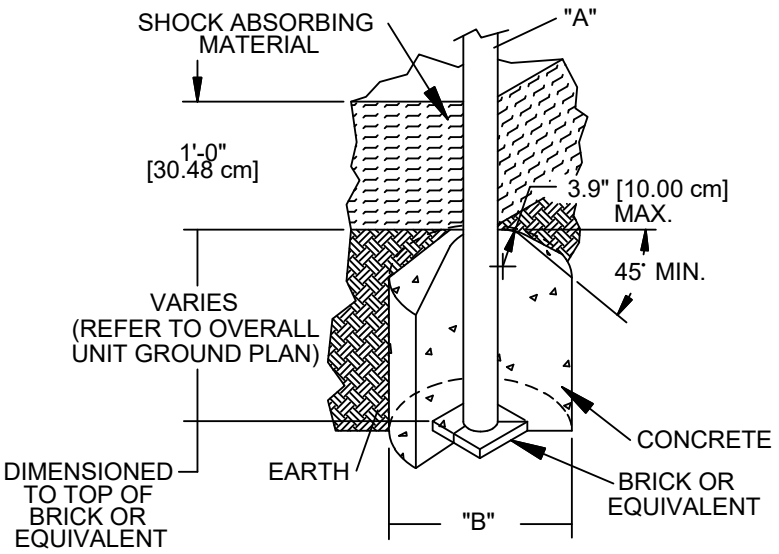
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



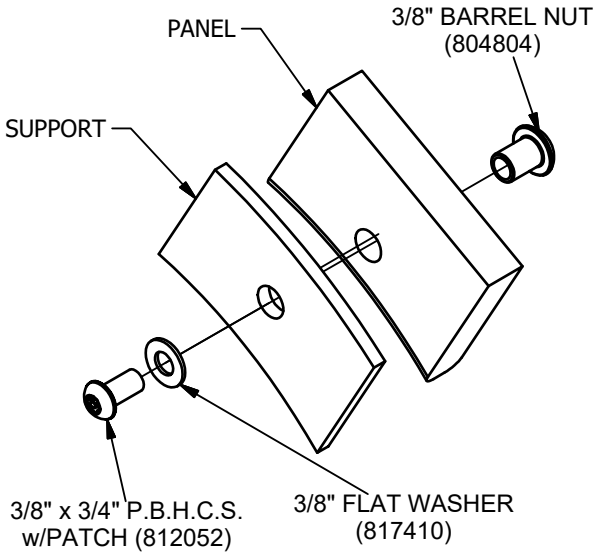




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

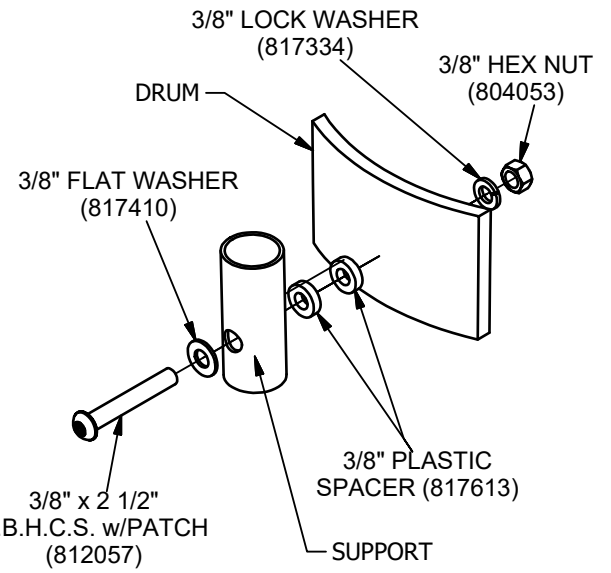
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




566




567

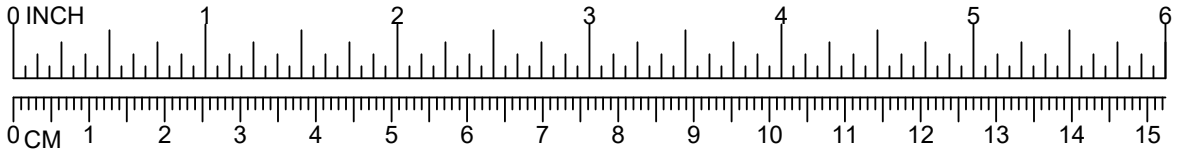
# DETAILS -for-
# 3259

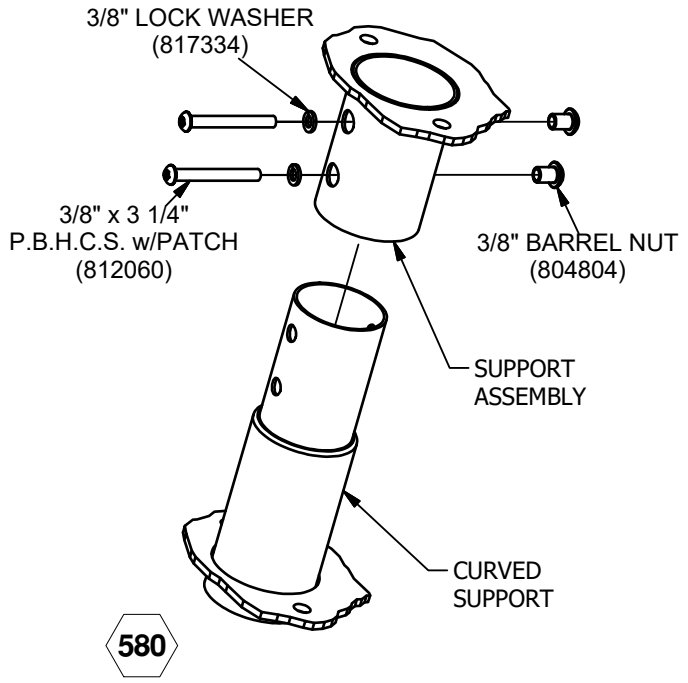
**I**MPORTANT

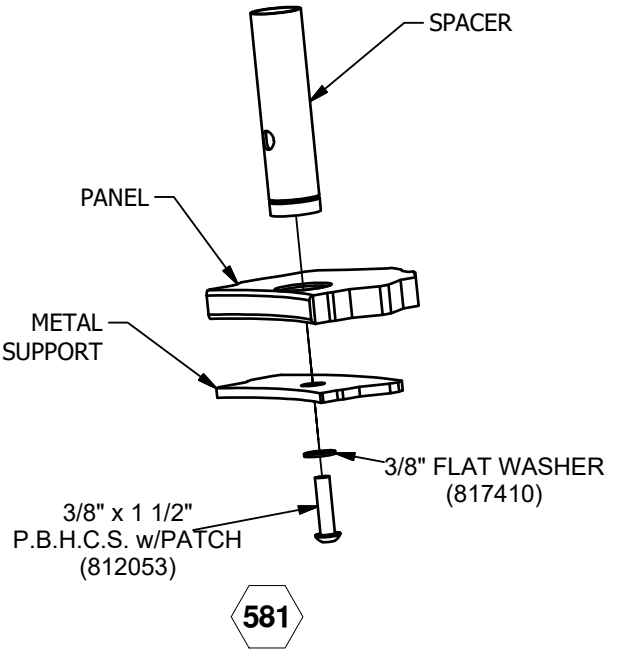
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

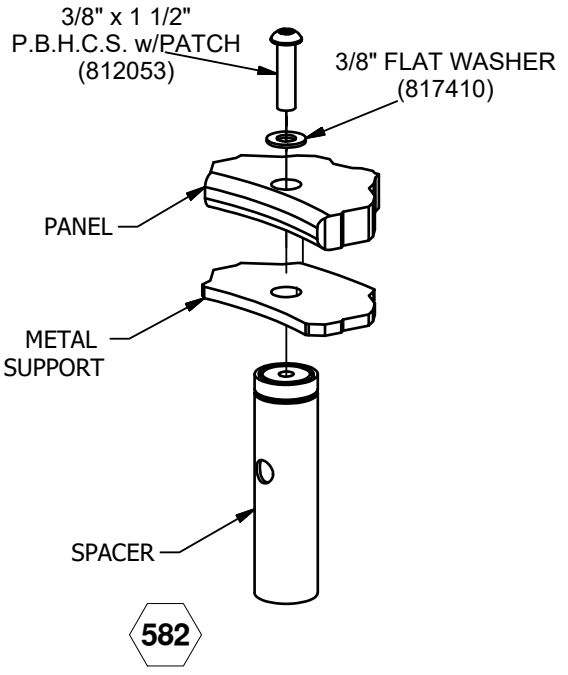
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

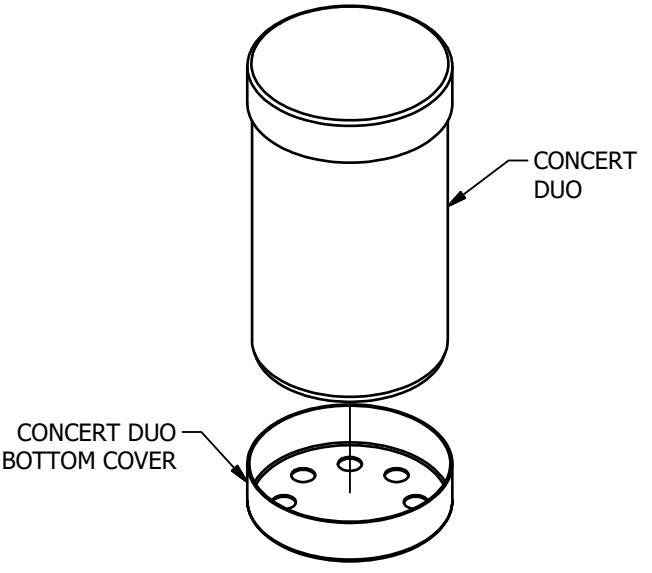
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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1-800-235-2440

# 3904

# BELLS

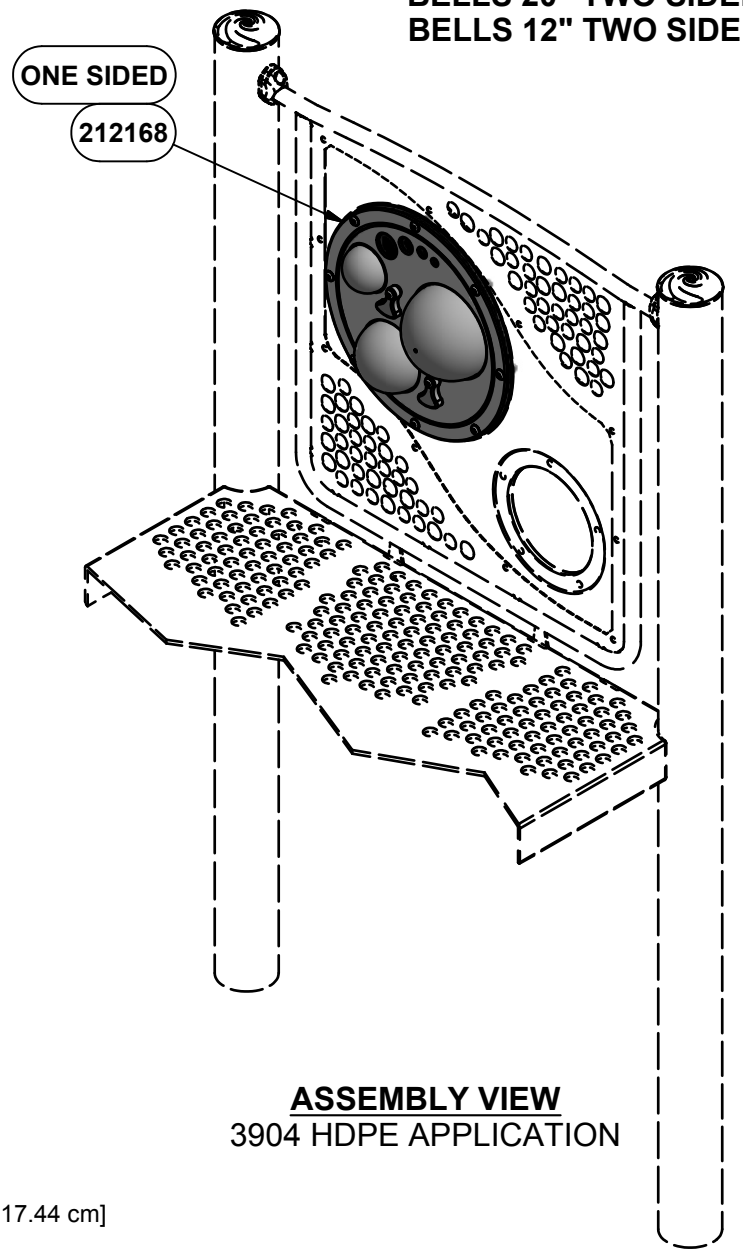
**ISSUED/REVISED: 9/24/2021**



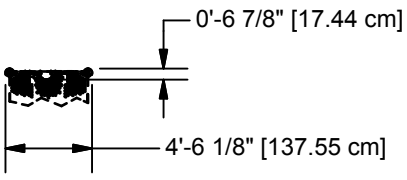

**BELLS 20" ONE SIDED 3904**
**BELLS 12" ONE SIDED 3905**
**BELLS 20" TWO SIDED 3906**
**BELLS 12" TWO SIDED 3907**

## INSTALLATION INSTRUCTIONS

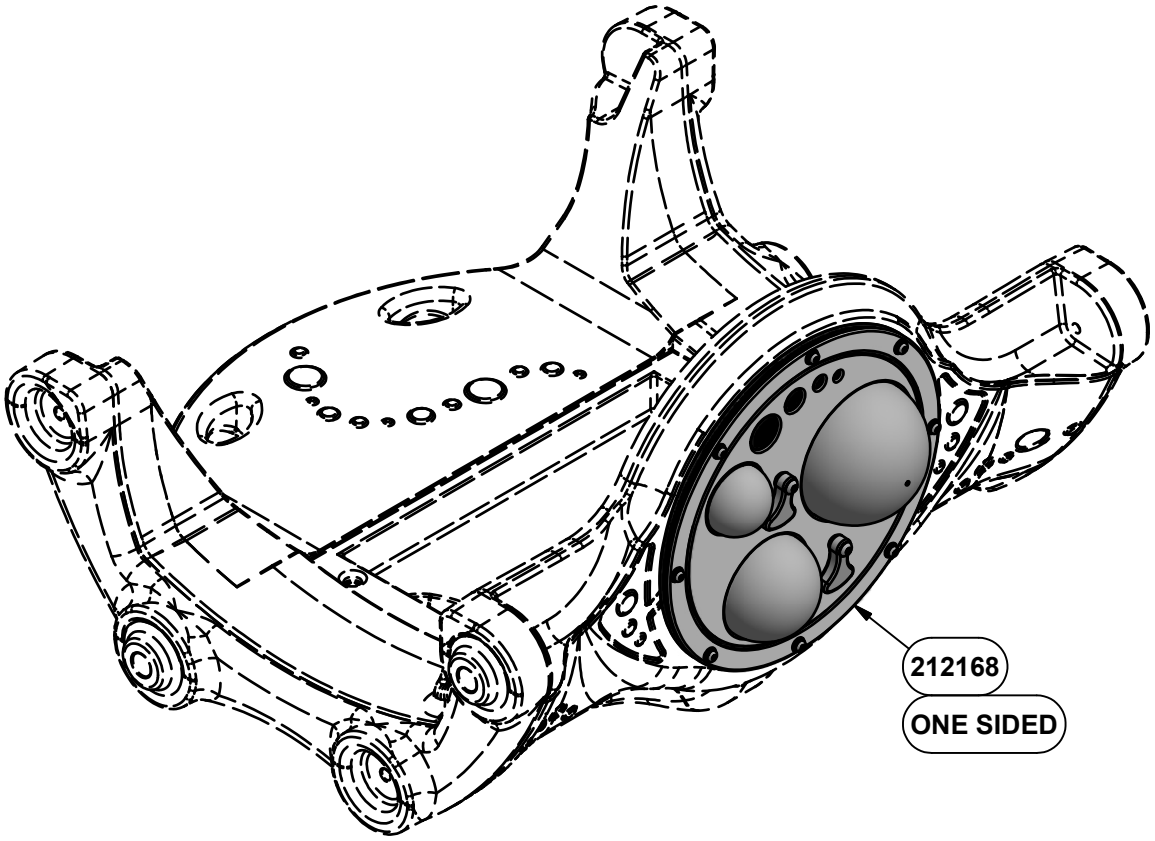
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



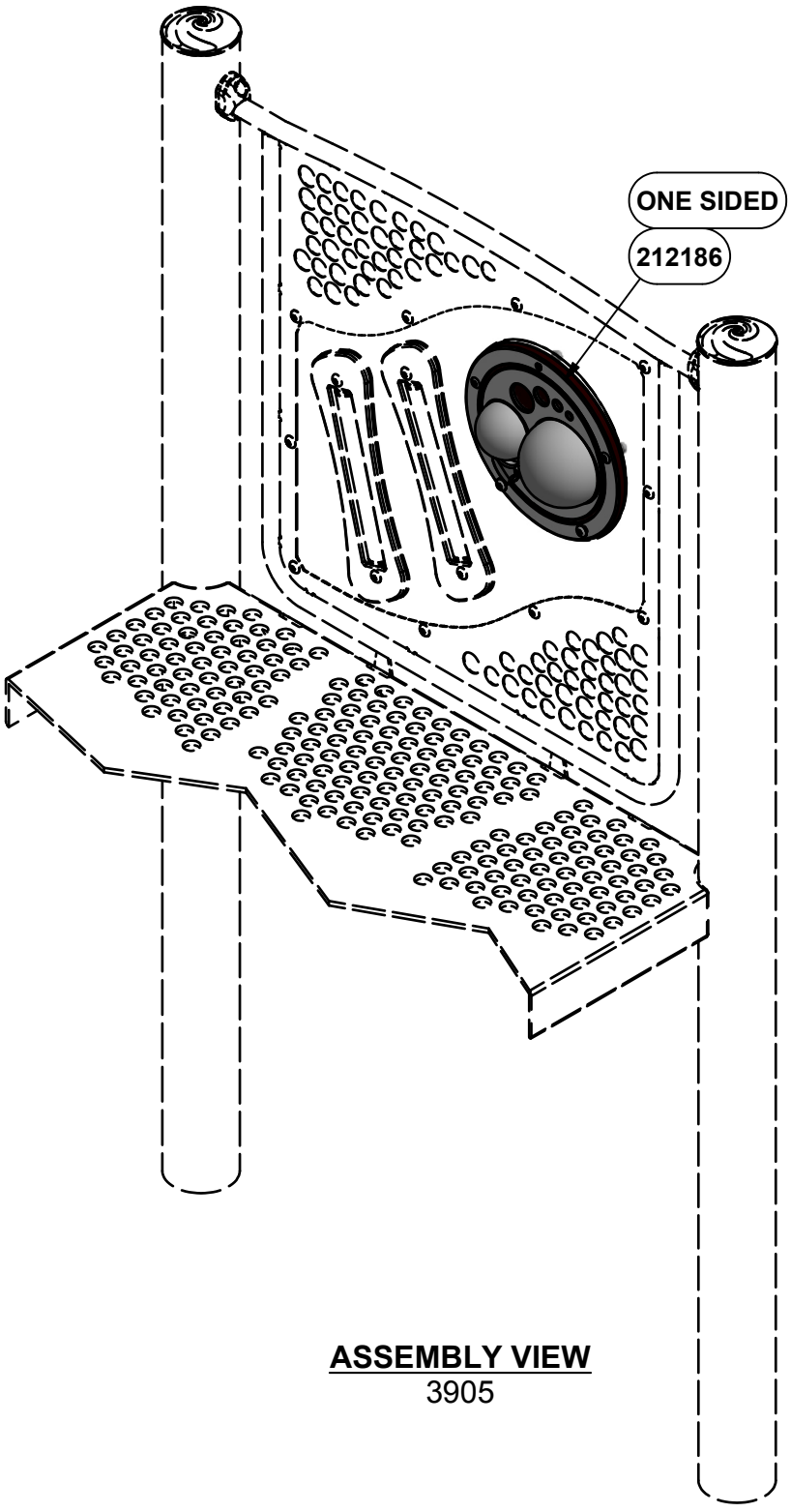

**ASSEMBLY VIEW**
3904 HDPE APPLICATION



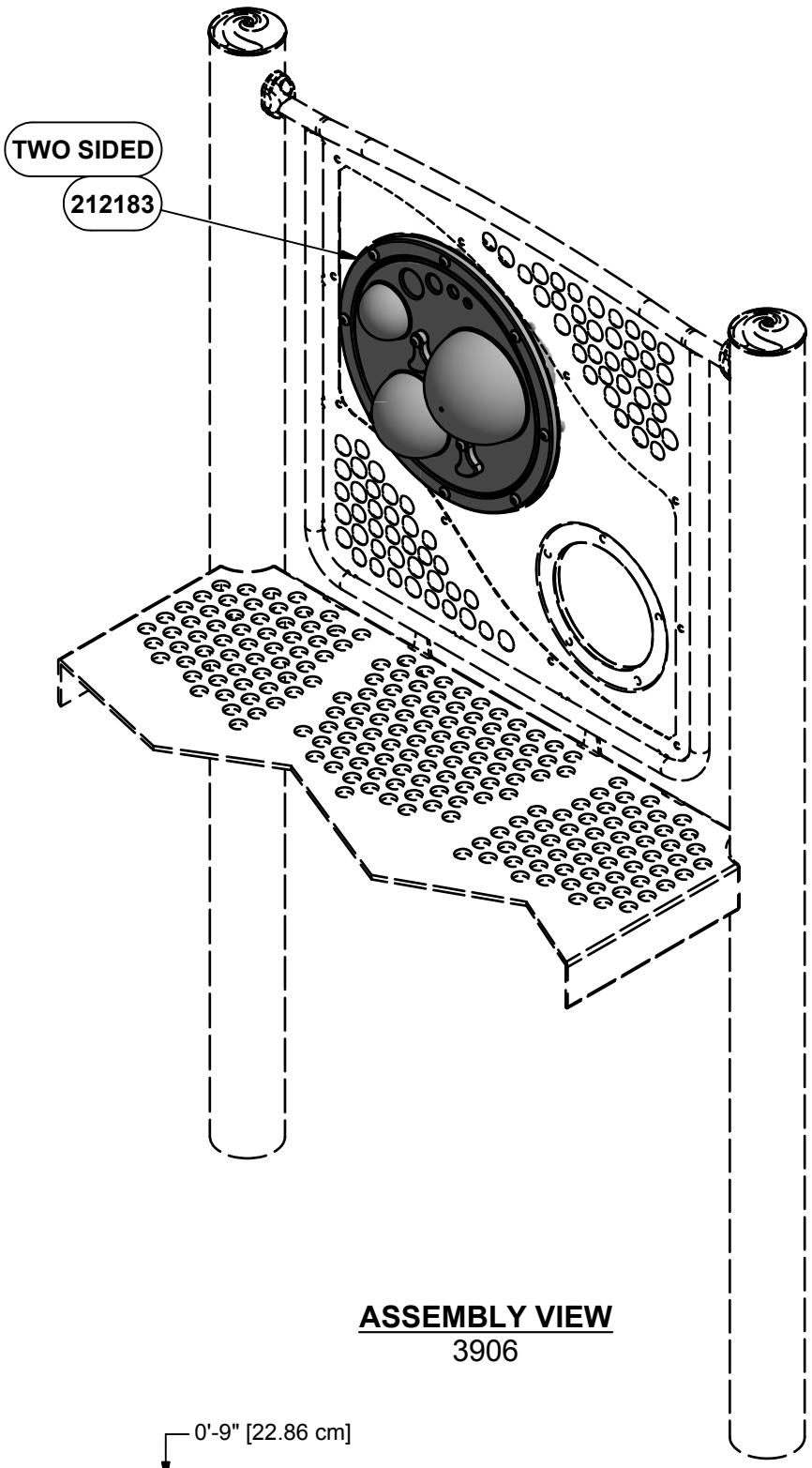

**TOP VIEW**
3904 SHOWN
3905 SIMILAR



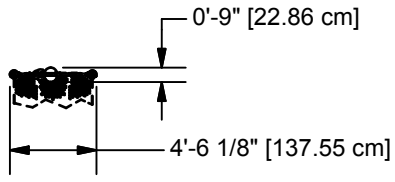

**ASSEMBLY VIEW**
3904 ROTO APPLICATION



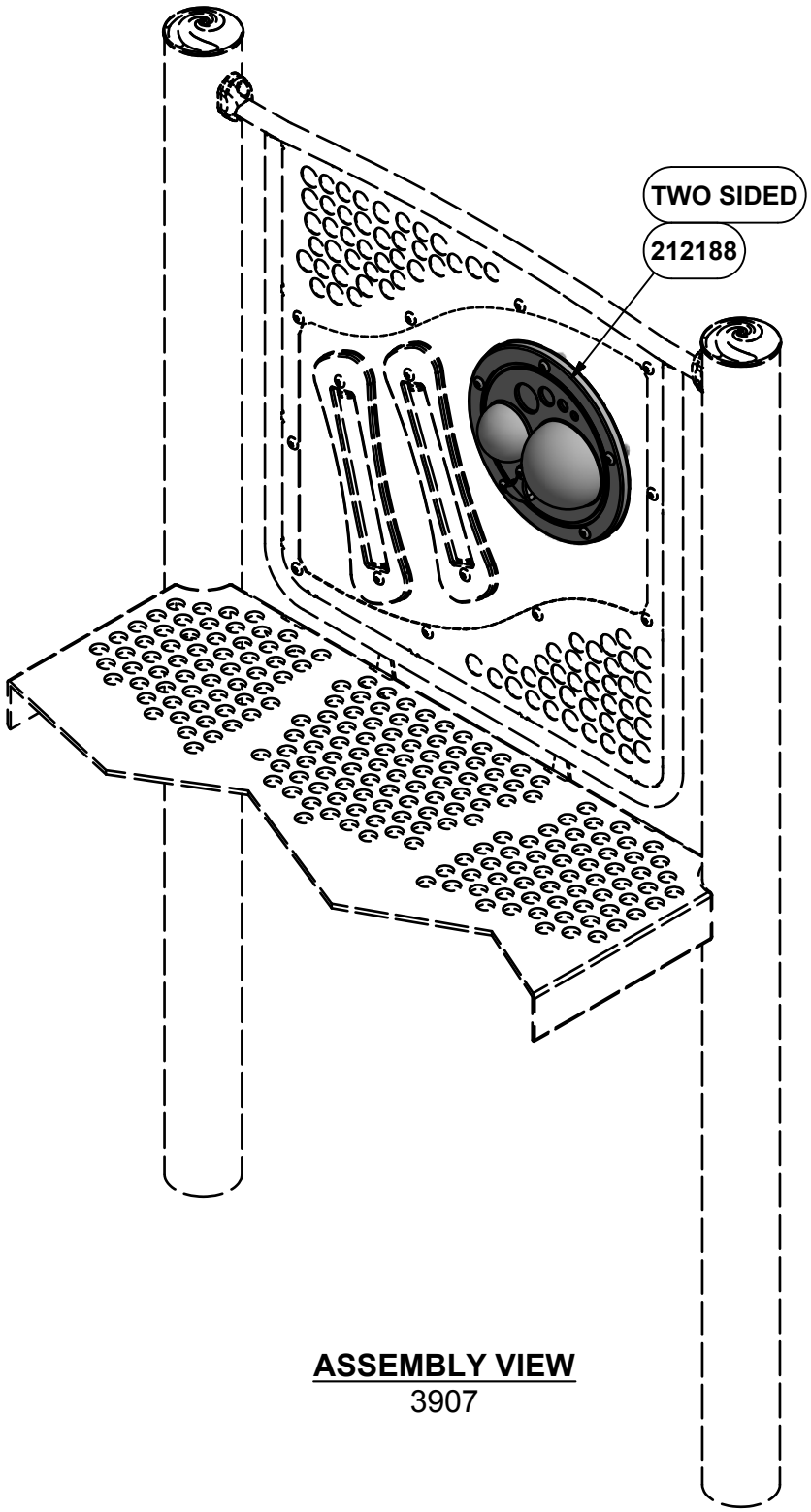

**ASSEMBLY VIEW**
3905




**ASSEMBLY VIEW**
3906




**TOP VIEW**
3906 SHOWN
3907 SIMILAR




**ASSEMBLY VIEW**
3907

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☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

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☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

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☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**HDPE APPLICATION STEP 1:** Attach Bell Assembly to HDPE Panel. **REFER TO PAGE 8.**

**ROTO APPLICATION STEP 1:** Attach Bell Assembly to Roto Panel. **REFER TO PAGE 9.**

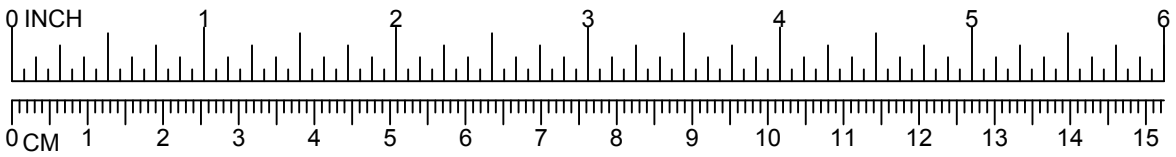
# SPECIFICATIONS

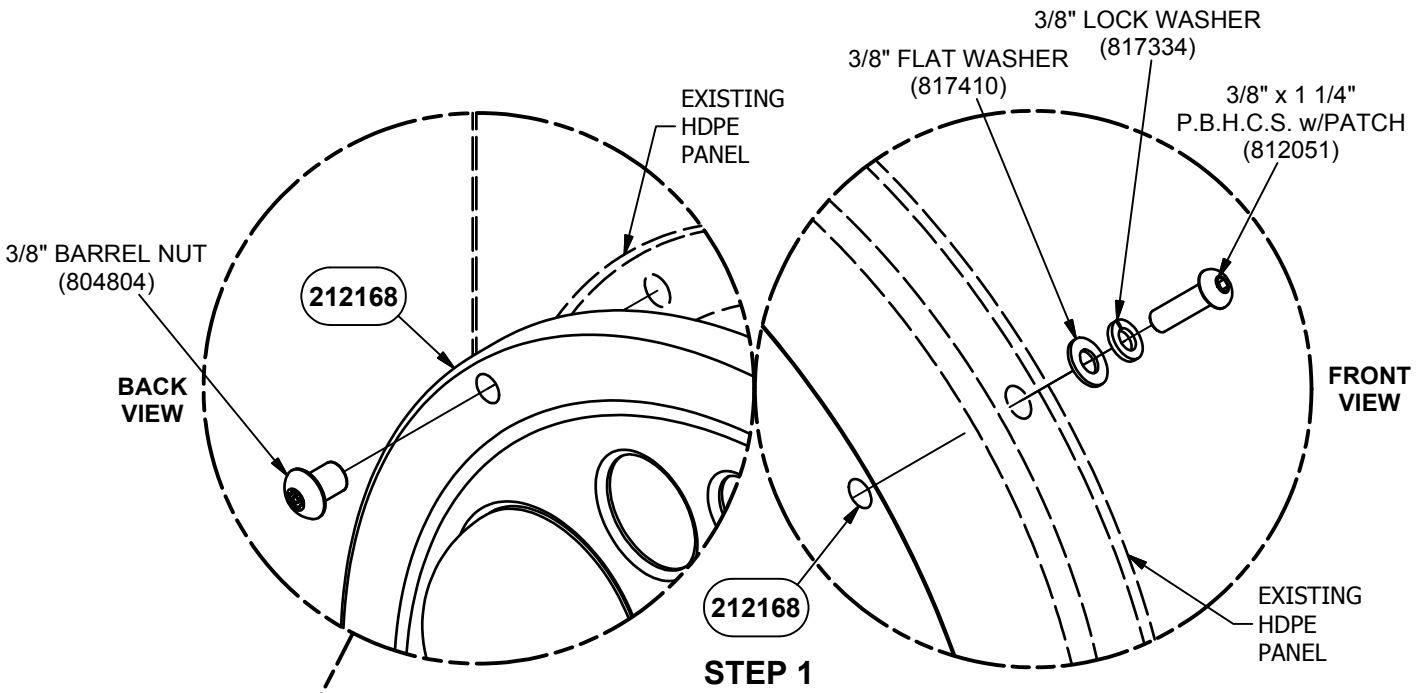
**BELL ASSEMBLY:** Shall be fabricated from 3/4" thick high density polyethylene. Bells shall be fabricated from 1-5/16" O.D. x .083" (14 Gauge) wall galvanized steel tubing, 11 Gauge H.R. Steel, and purchased machined stainless steel insert. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

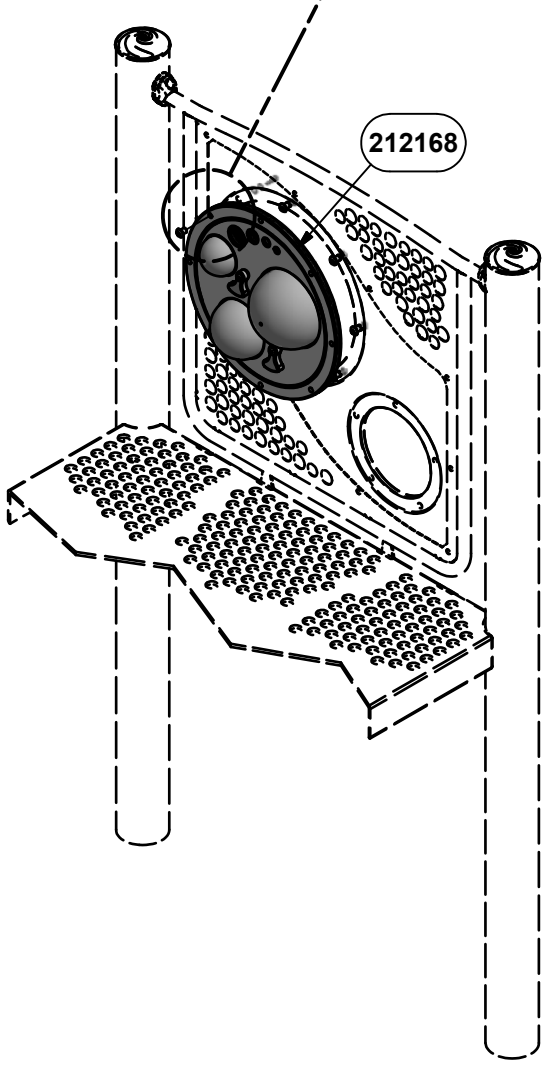
**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.




**STEP 1**

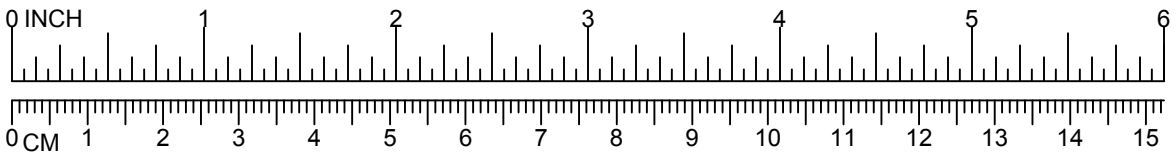
3904 - 8 PLACES
3905 - 5 PLACES
3906 - 8 PLACES
3907 - 5 PLACES

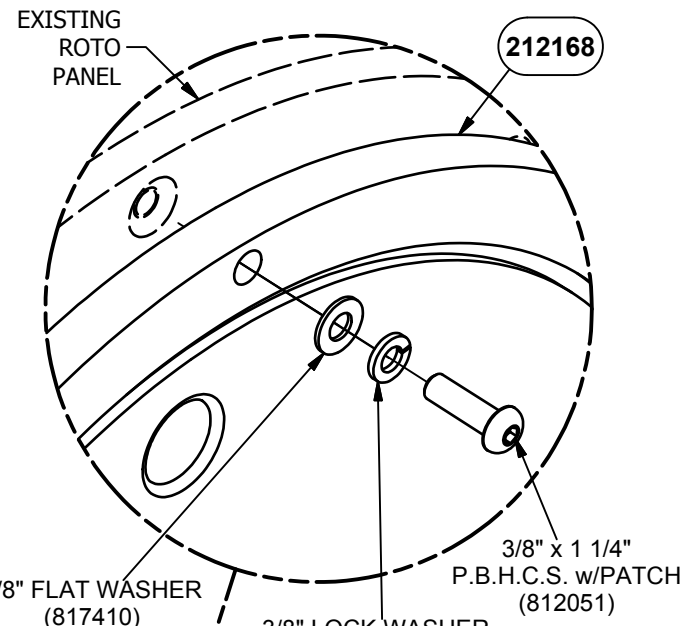



# THIS VIEW IS FOR HDPE APPLICATION ONLY

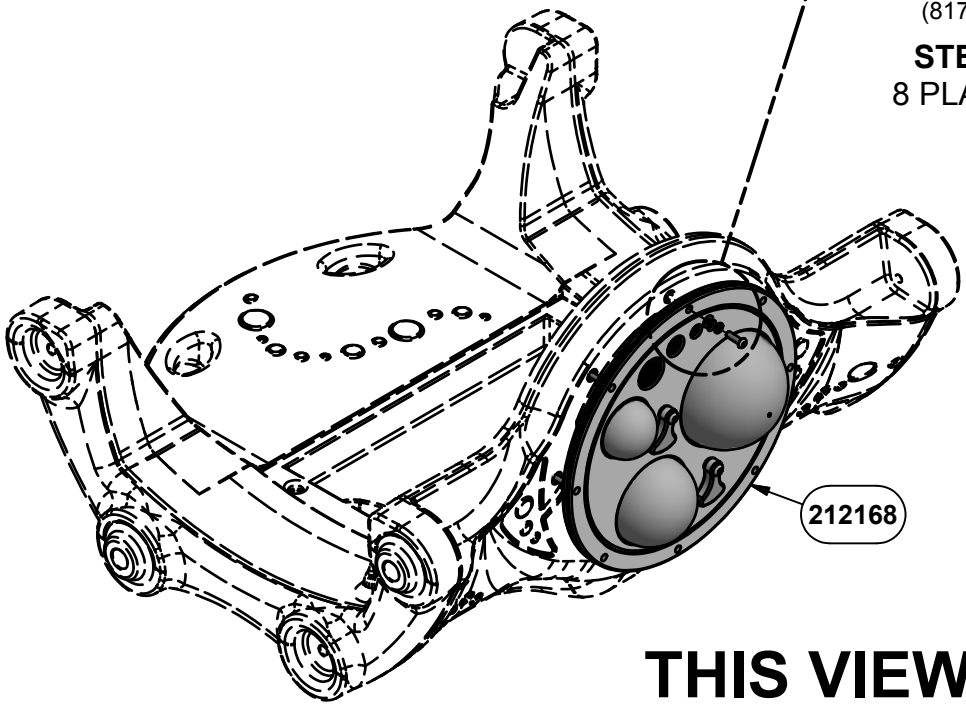
# REFER TO PARTS LIST FOR PROPER BELL ASSEMBLY

**DETAIL VIEW**
3904 SHOWN
OTHERS SIMILAR




**STEP 1**
8 PLACES




# THIS VIEW IS FOR ROTO APPLICATION ONLY

**DETAIL VIEW**
3904 SHOWN

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 3904 | 3905 | 3906 | 3907 | PART NUMBER |
| 20" BELL ASSEMBLY ONE SIDED | 1 | 0 | 0 | 0 | 212168 |
| 12" BELL ASSEMBLY ONE SIDED | 0 | 1 | 0 | 0 | 212186 |
| 20" BELL ASSEMBLY TWO SIDED | 0 | 0 | 1 | 0 | 212183 |
| 12" BELL ASSEMBLY TWO SIDED | 0 | 0 | 0 | 1 | 212188 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 1 | 0 | 212190 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 1 | 212191 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 8 | 5 | 8 | 5 | 812051* |
| 3/8" BARREL NUT | 8 | 5 | 8 | 5 | 804804* |
| 3/8" FLAT WASHER | 8 | 5 | 8 | 5 | 817410* |
| 3/8" LOCK WASHER | 8 | 5 | 8 | 5 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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# 3924

# SENSORY MIRRORS

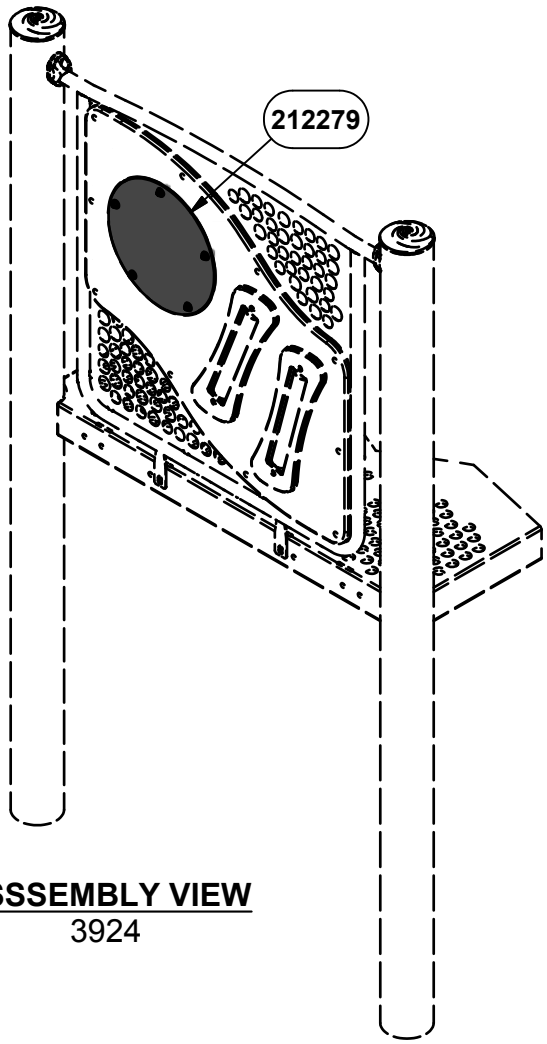
**ISSUED/REVISED: 10/4/2021**



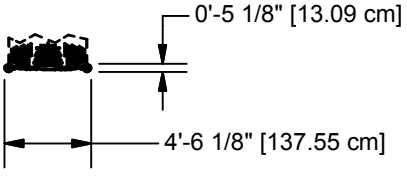

| | |
|---|---|
| 12" MIRROR ONE SIDED | 3924 |
| 12" MIRROR TWO SIDED | 3925 |
| 20" MIRROR ONE SIDED | 3926 |
| 20" MIRROR TWO SIDED | 3927 |
| 12" FUN MIRROR ONE SIDED | 3928 |
| 12" FUN MIRROR TWO SIDED | 3929 |
| 20" FUN MIRROR ONE SIDED | 3930 |
| 20" FUN MIRROR TWO SIDED | 3931 |

## INSTALLATION INSTRUCTIONS

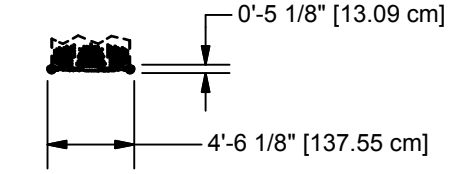
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



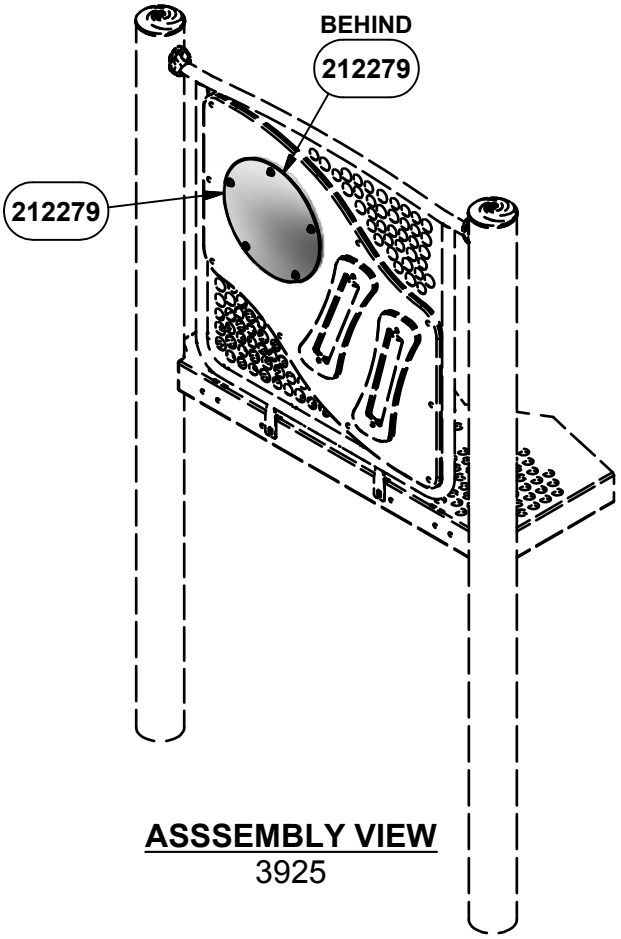

**ASSSEMBLY VIEW**
3924



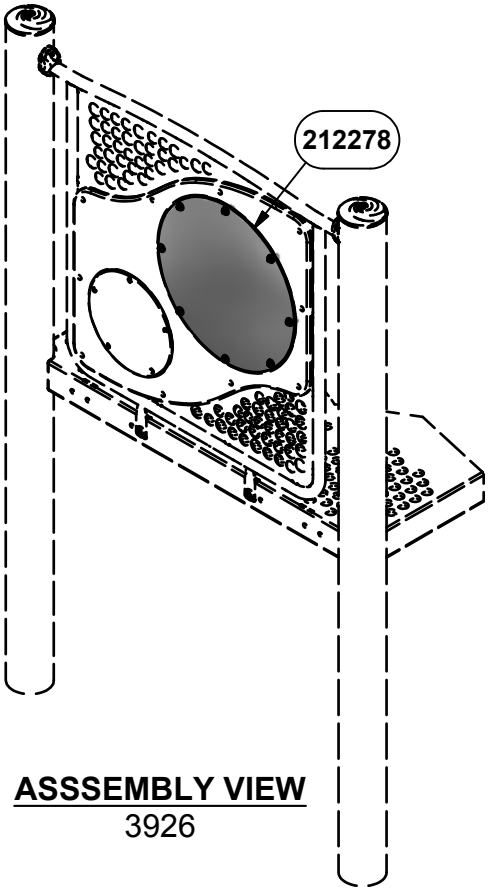

**TOP VIEW**
3924



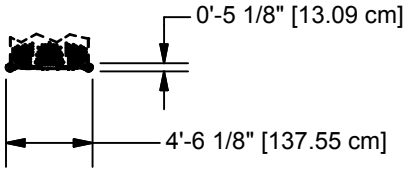

**TOP VIEW**
3925



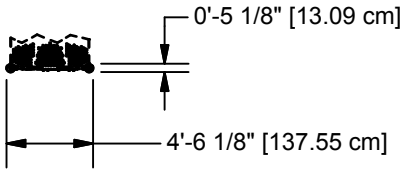

**ASSSEMBLY VIEW**
3925



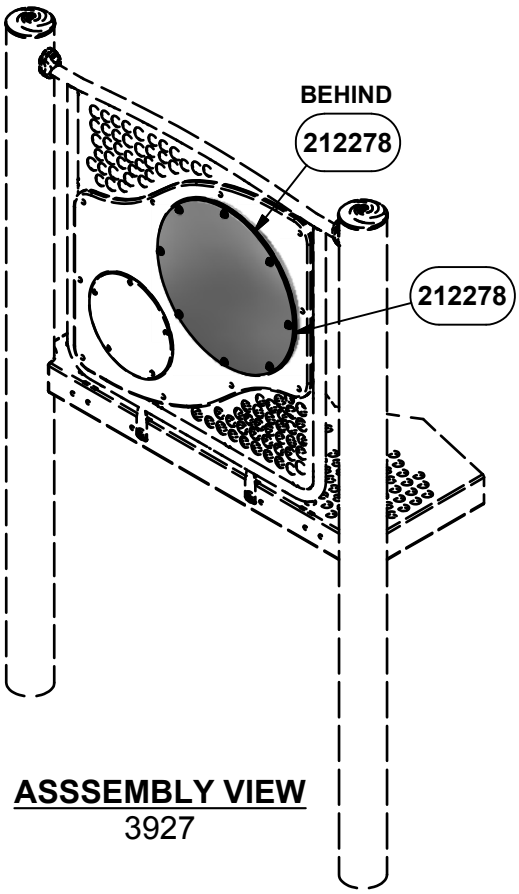

**ASSSEMBLY VIEW**
3926



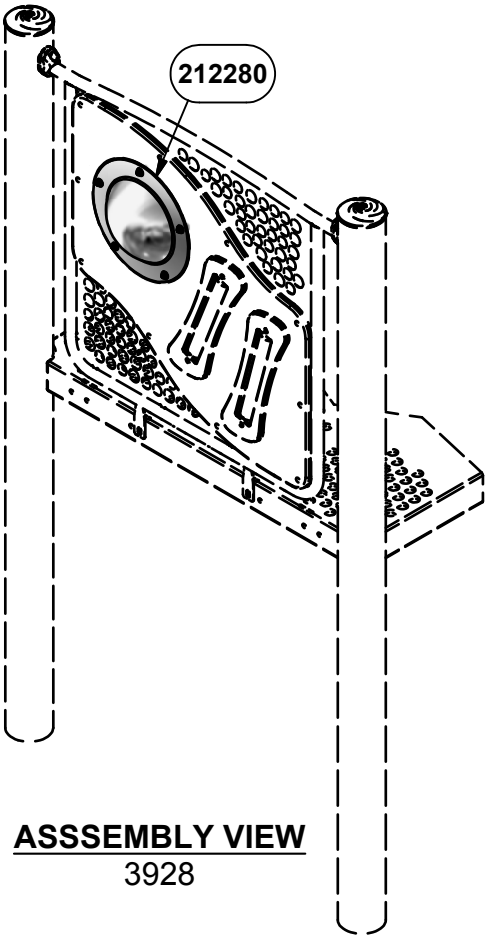

**TOP VIEW**
3926



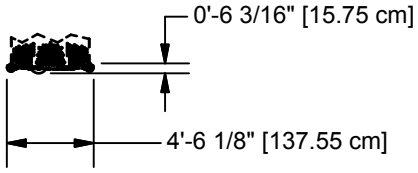

**TOP VIEW**
3927



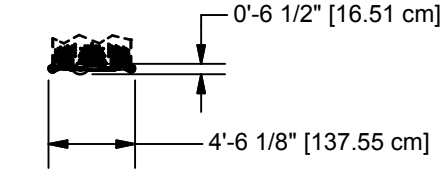

**ASSSEMBLY VIEW**
3927



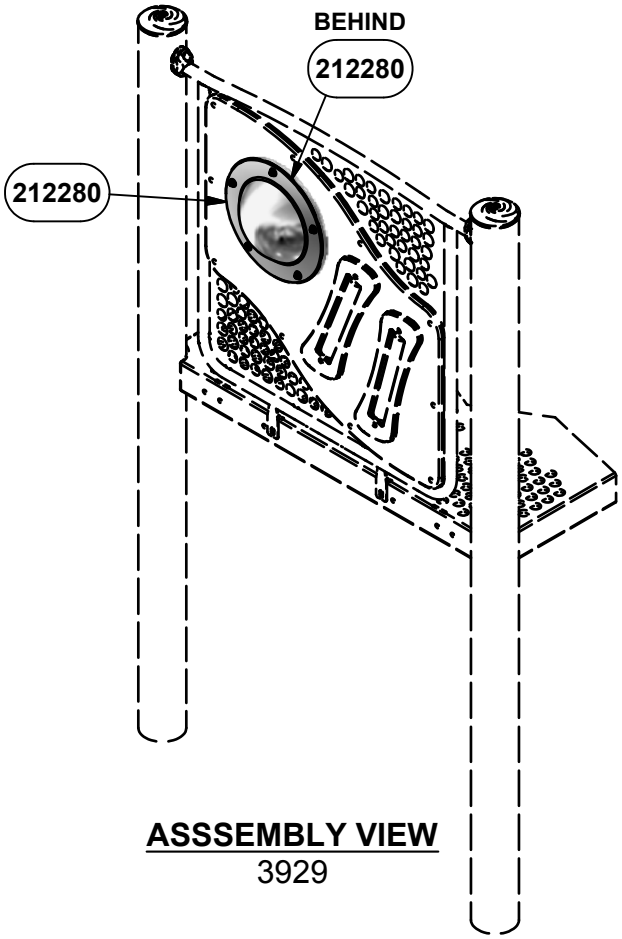

**ASSSEMBLY VIEW**
3928



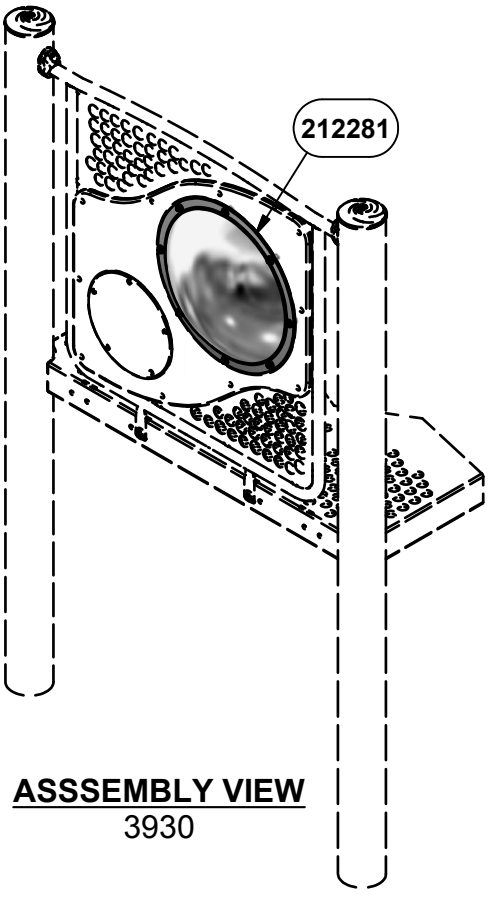

**TOP VIEW**
3928



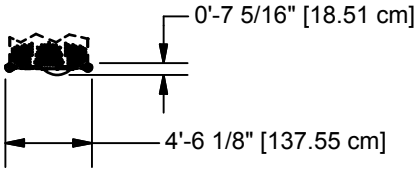

**TOP VIEW**
3929



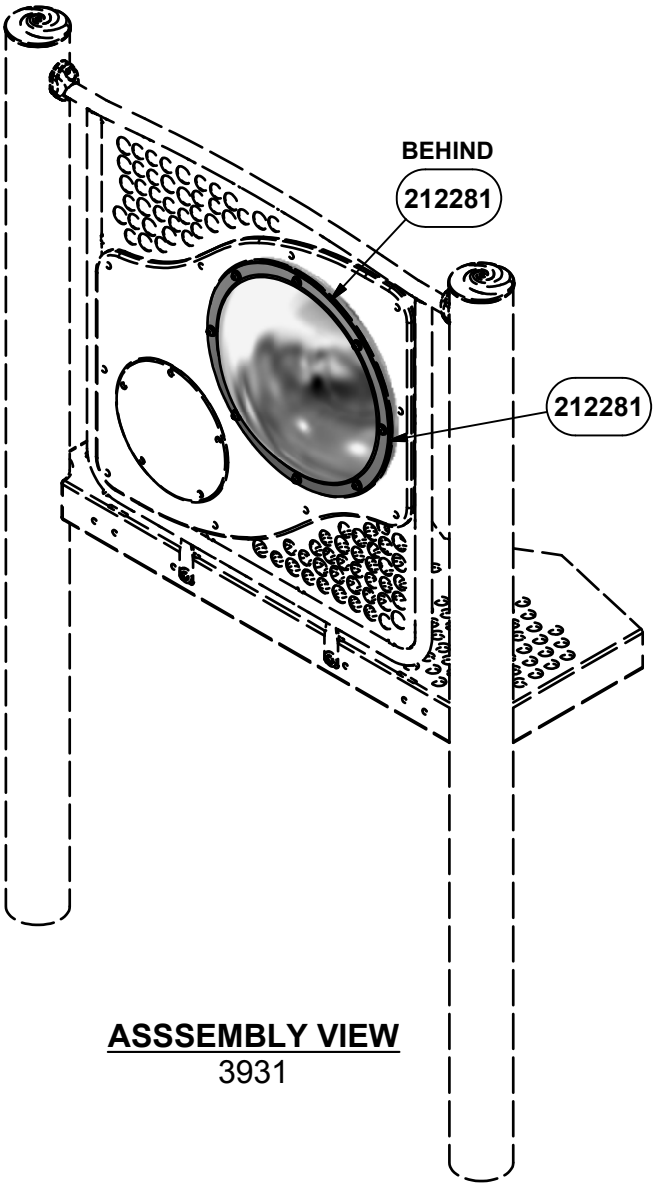

**ASSSEMBLY VIEW**
3929



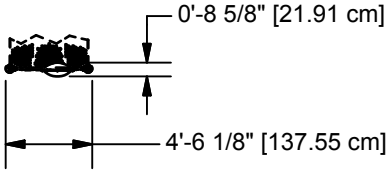

**ASSSEMBLY VIEW**
3930




**TOP VIEW**
3930




**ASSSEMBLY VIEW**
3931




**TOP VIEW**
3931




## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS




☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**ONE SIDED STEP 1:** Attach one Mirror to Panel. **REFER TO PAGE 8.**

**TWO SIDED STEP 1:** Attach two Mirrors to Panel. **REFER TO PAGE 9.**

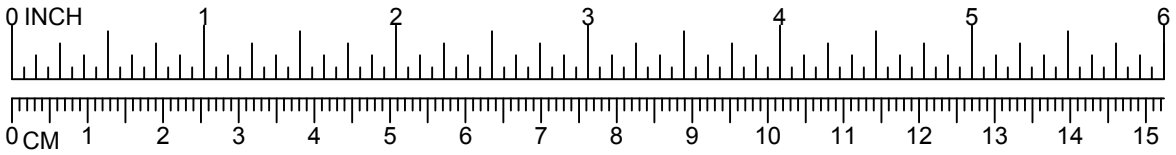
# SPECIFICATIONS

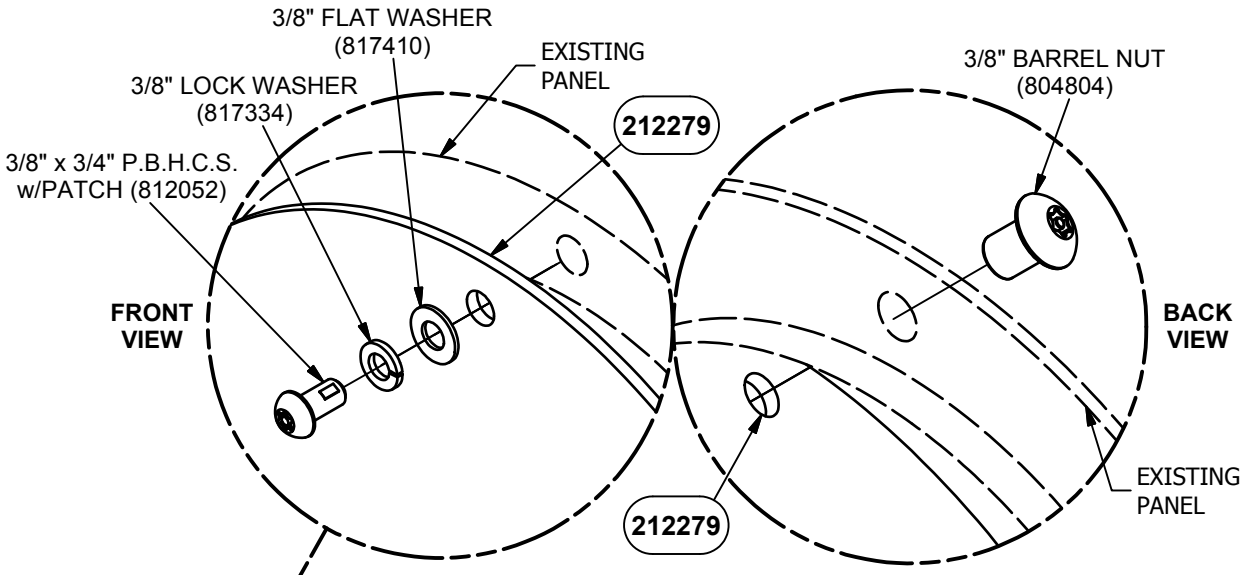
**MIRROR PANEL:** Shall be fabricated from 3/16" thick acrylic with UV inhibitve reflective coating.

**FUN MIRROR PANEL:** Shall be fabricated from 3/16" thick acrylic with UV inhibitve reflective coating.

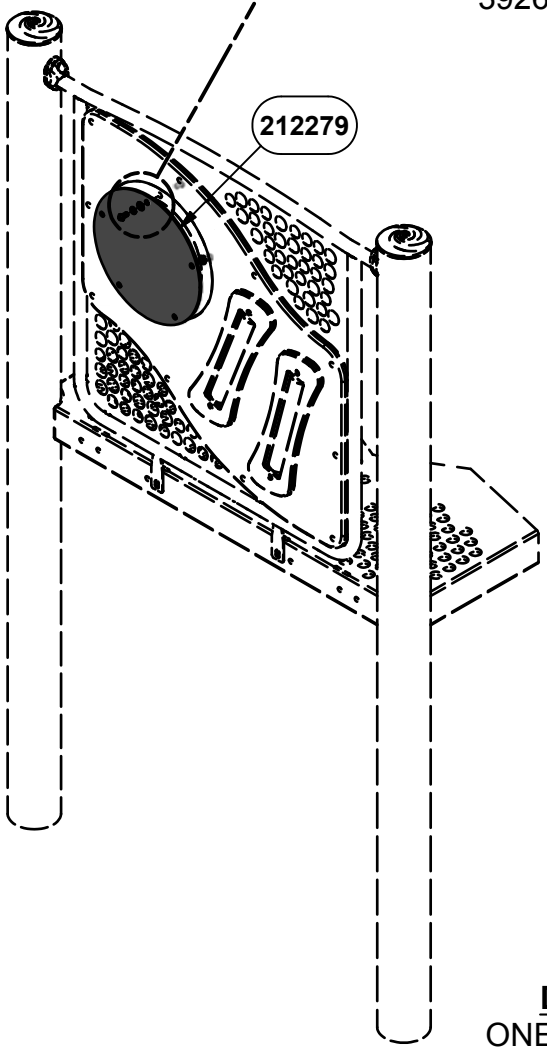
**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



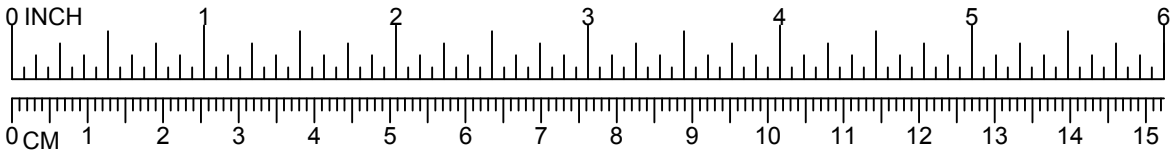

**STEP 1**
3924 AND 3928 - 5 PLACES
3926 AND 3930 - 8 PLACES

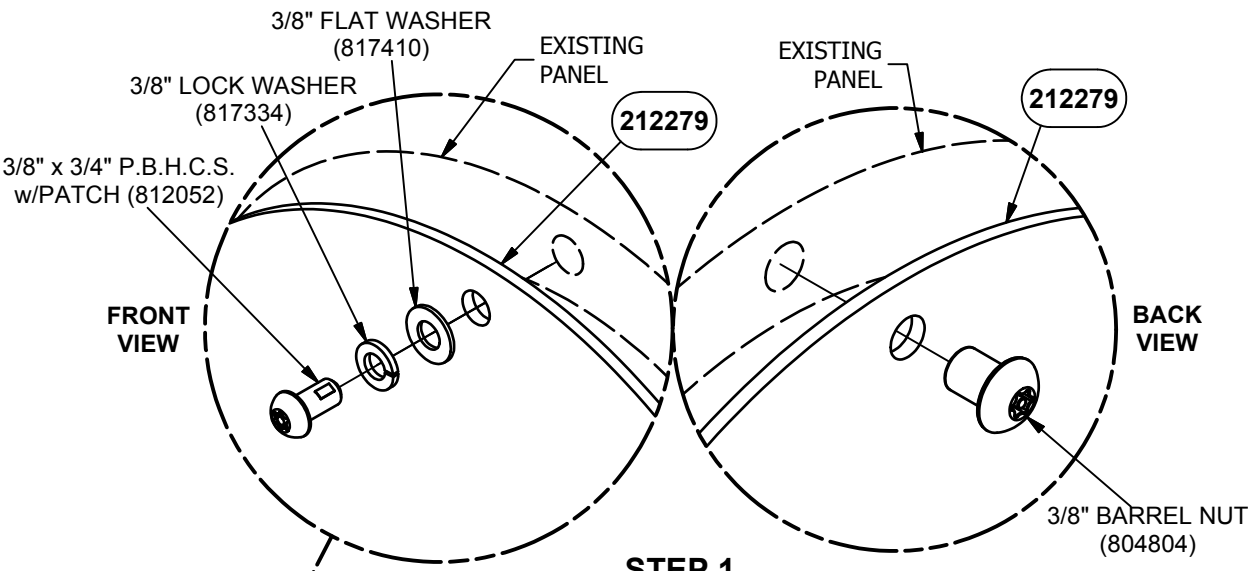



# THIS VIEW IS FOR ONE SIDED MIRRORS ONLY

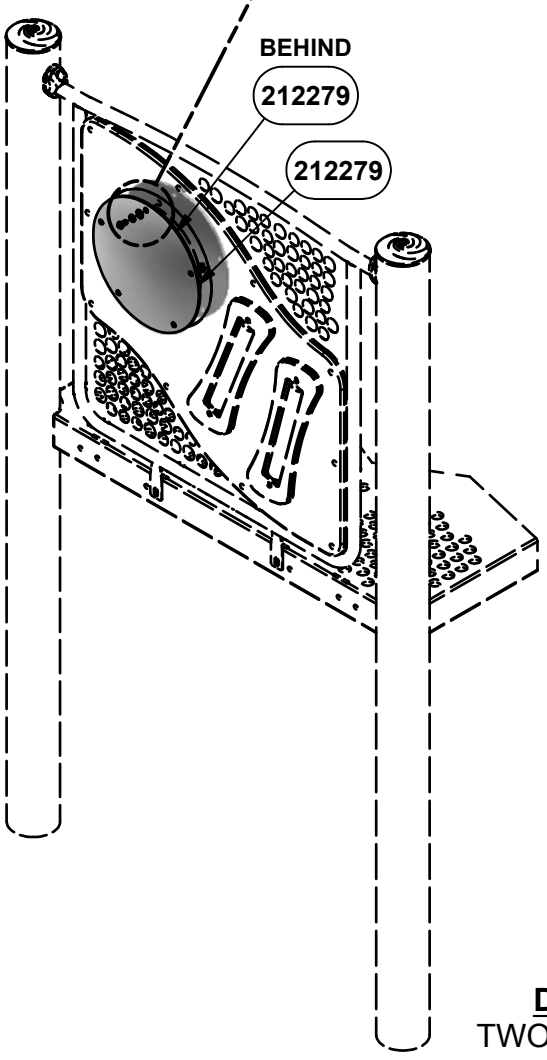
# REFER TO PARTS LIST FOR PROPER MIRROR PANEL

**DETAIL VIEW**
ONE SIDED MIRROR




**STEP 1**
3925 AND 3929 - 5 PLACES
3927 AND 3931 - 8 PLACES




# THIS VIEW IS FOR TWO SIDED MIRRORS ONLY

# REFER TO PARTS LIST FOR PROPER MIRROR PANEL

**DETAIL VIEW**
TWO SIDED MIRROR

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 3924 | 3925 | 3926 | 3927 | 3928 | 3929 | 3930 | 3931 | PART NUMBER |
| SMALL MIRROR | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 212279 |
| LARGE MIRROR | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 212278 |
| SMALL FUN MIRROR | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 212280 |
| LARGE FUN MIRROR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 212281 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 212226 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 212225 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 5 | 5 | 8 | 8 | 5 | 5 | 8 | 8 | 812052* |
| 3/8" BARREL NUT | 5 | 5 | 8 | 8 | 5 | 5 | 8 | 8 | 804804* |
| 3/8" FLAT WASHER | 5 | 5 | 8 | 8 | 5 | 5 | 8 | 8 | 817410* |
| 3/8" LOCK WASHER | 5 | 5 | 8 | 8 | 5 | 5 | 8 | 8 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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# 3947

# PACHINKO

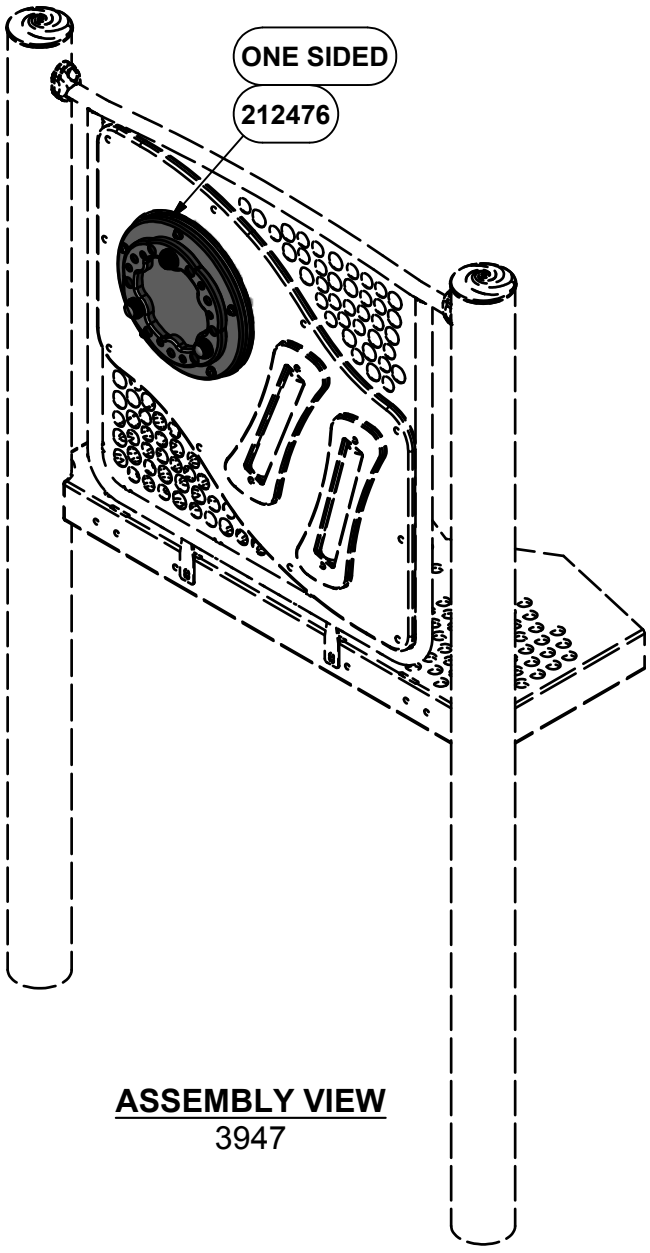
**ISSUED/REVISED: 9/27/2021**



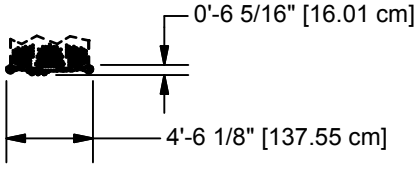

| | |
|---|---|
| **12" ONE SIDED** | **3947** |
| **20" TWO SIDED** | **3948** |
| **20" ONE SIDED** | **3949** |

## INSTALLATION INSTRUCTIONS

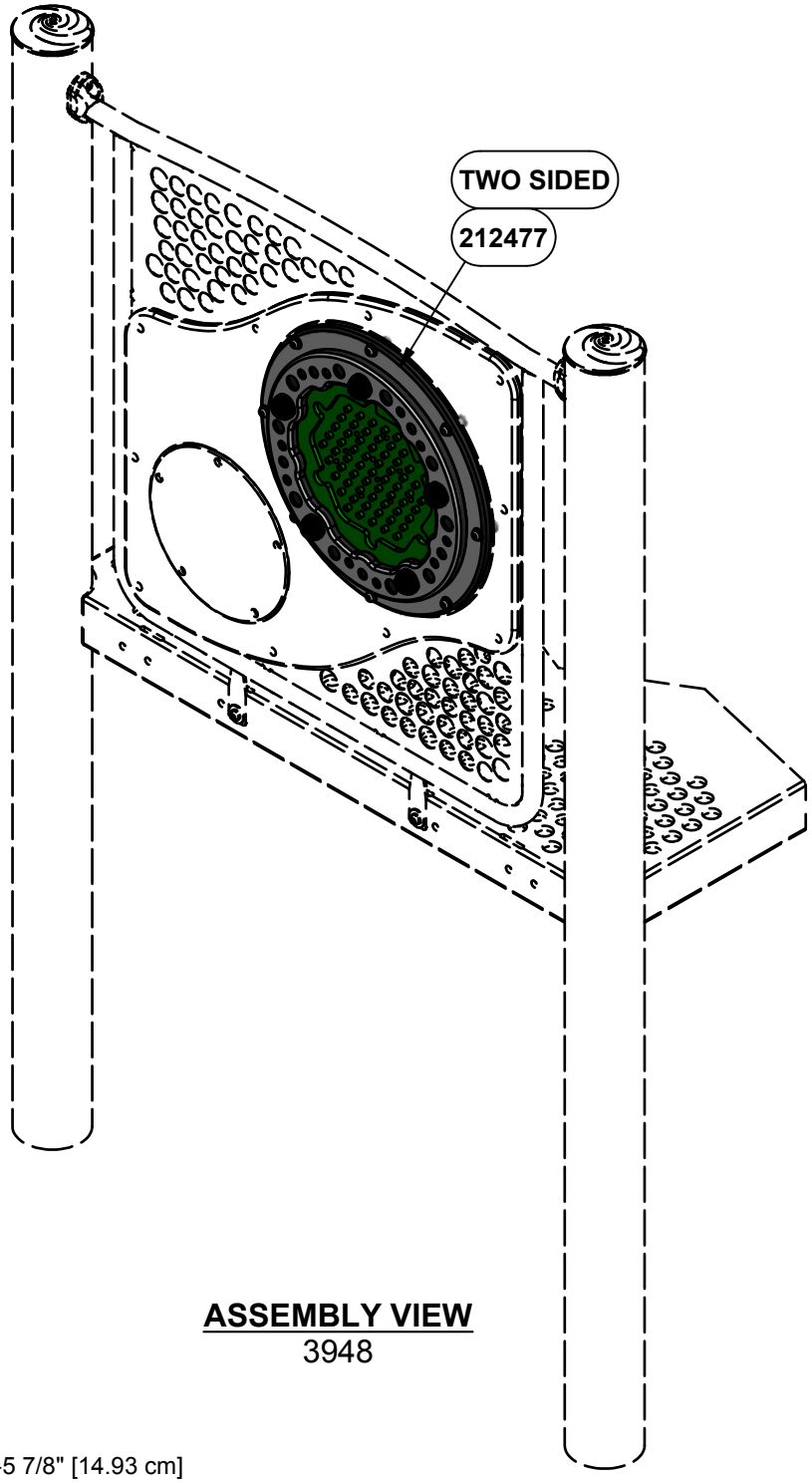
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



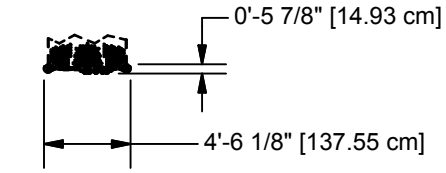

**ASSEMBLY VIEW**
3947



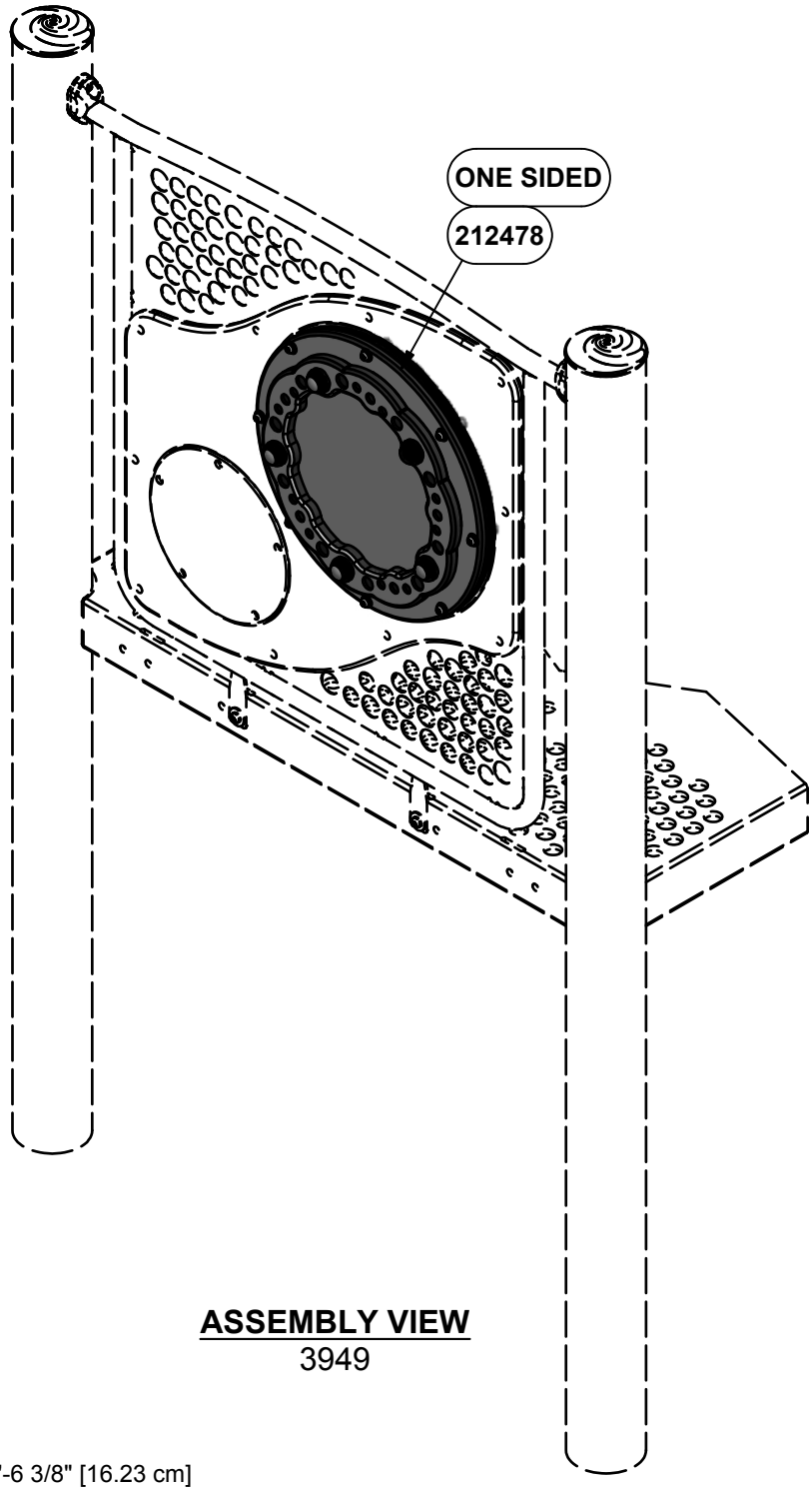

**TOP VIEW**
3947



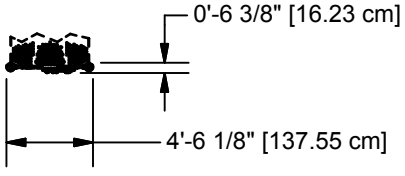

**ASSEMBLY VIEW**
3948




**TOP VIEW**
3948




**ASSEMBLY VIEW**
3949




**TOP VIEW**
3949

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

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☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**3947 AND 3949 STEP 1:** Attach Pachinko One Sided Panel to HDPE Panel. **REFER TO PAGE 6.**

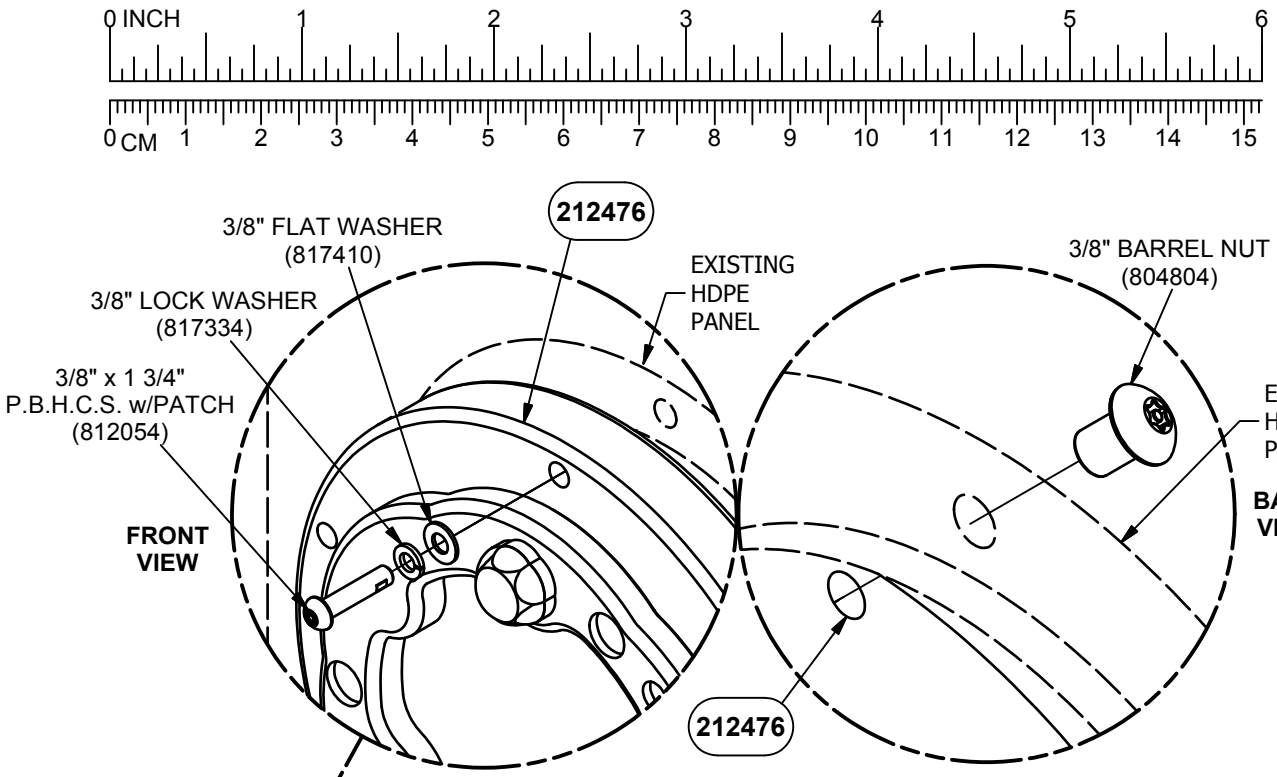
**3948 STEP 1:** Attach Pachinko Two Sided Panel to HDPE Panel. **REFER TO PAGE 7.**

# SPECIFICATIONS

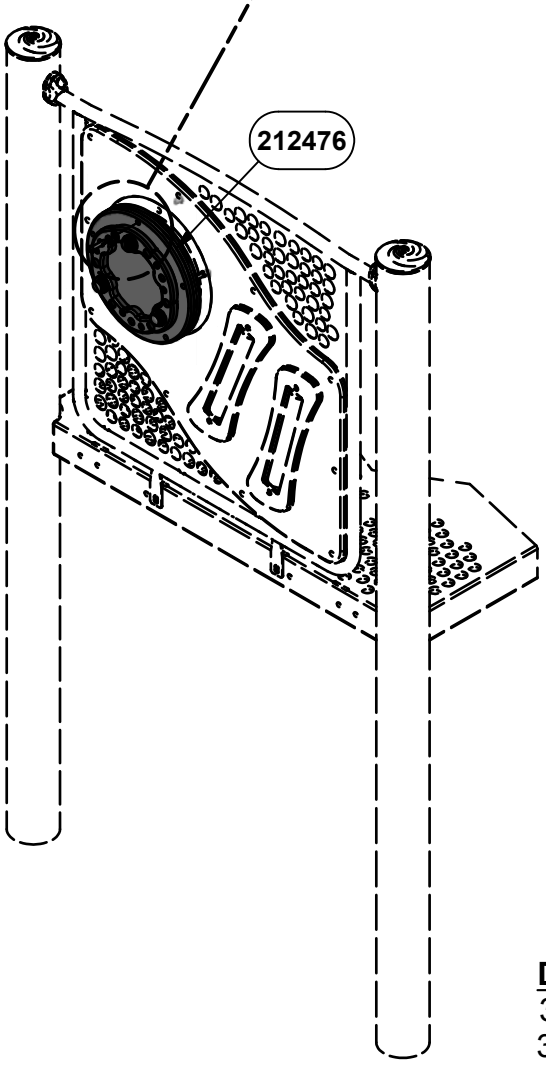
**PACHINKO PANEL:** Shall be fabricated from 1/2" Thick high density polyethylene, nylon spacers, and 3/16" thick UV inhibitive acrylic with 10mm nylon ball.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



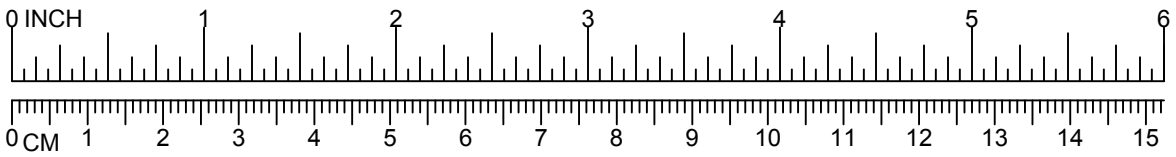

**STEP 1**
3947 - 5 PLACES
3949 - 8 PLACES

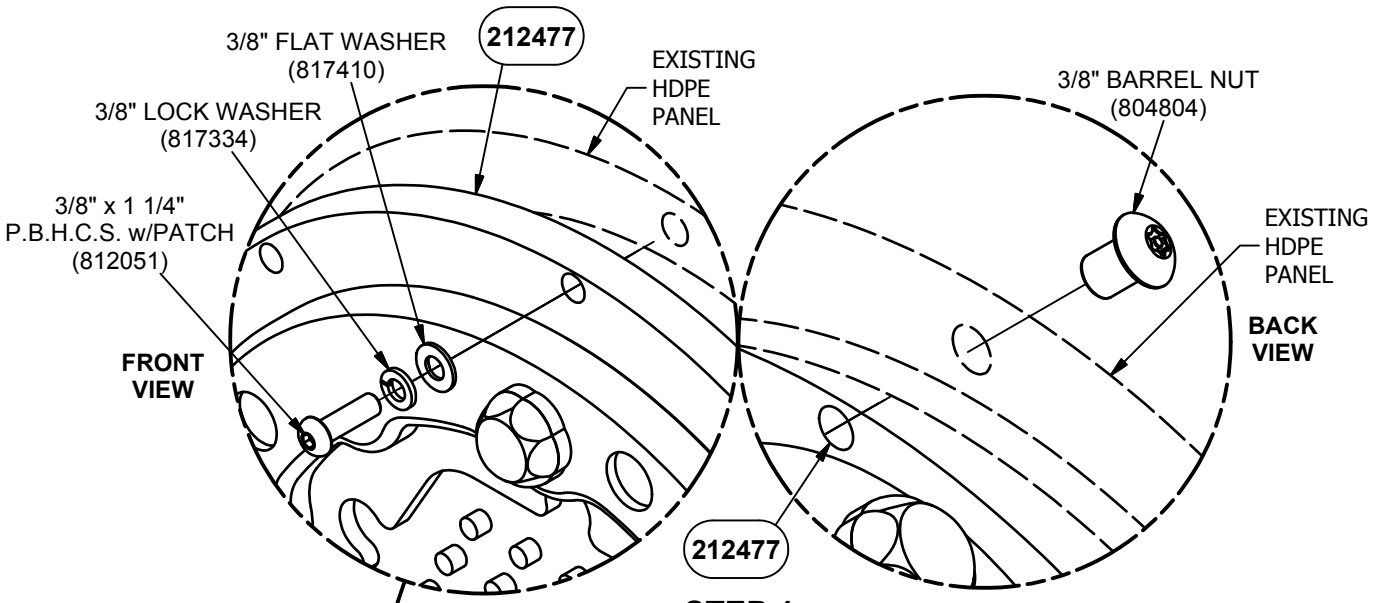



# THIS VIEW IS FOR ONE SIDED PANELS ONLY

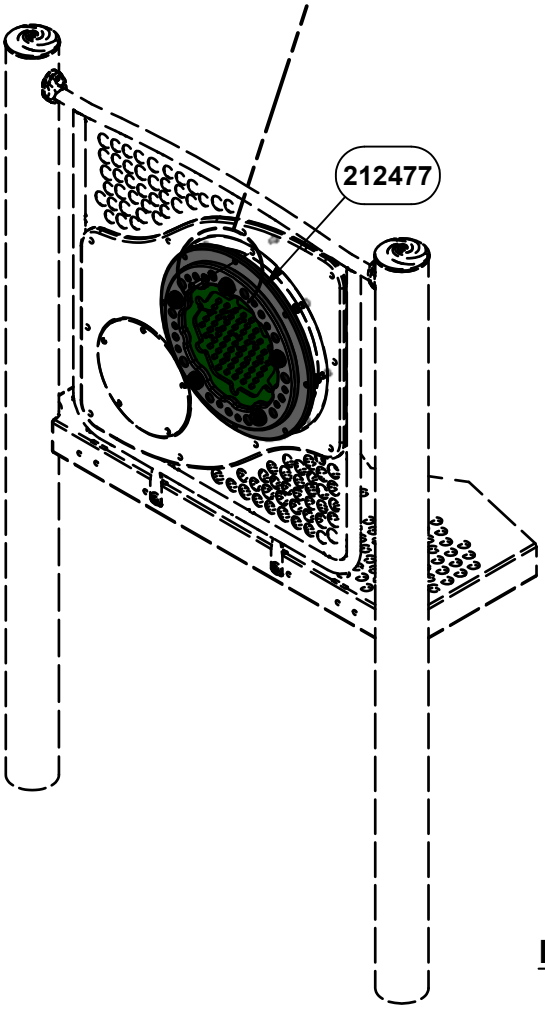
# REFER TO PARTS LIST FOR PROPER PACHINKO PANEL

**DETAIL VIEW**
3947 SHOWN
3949 SIMILAR




**STEP 1**
3948 - 8 PLACES




# THIS VIEW IS FOR TWO SIDED PANELS ONLY

**DETAIL VIEW**
3948 ONLY

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 3947 | 3948 | 3949 | PART NUMBER |
| 12" PACHINKO PANEL ONE SIDED | 1 | 0 | 0 | 212476 |
| 20" PACHINKO PANEL TWO SIDED | 0 | 1 | 0 | 212477 |
| 20" PACHINKO PANEL ONE SIDED | 0 | 0 | 1 | 212478 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 212479 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 212475 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 212472 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 0 | 8 | 0 | 812051* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 5 | 0 | 8 | 812054* |
| 3/8" BARREL NUT | 5 | 8 | 8 | 804804* |
| 3/8" FLAT WASHER | 5 | 8 | 8 | 817410* |
| 3/8" LOCK WASHER | 5 | 8 | 8 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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# MELODY CHIMES

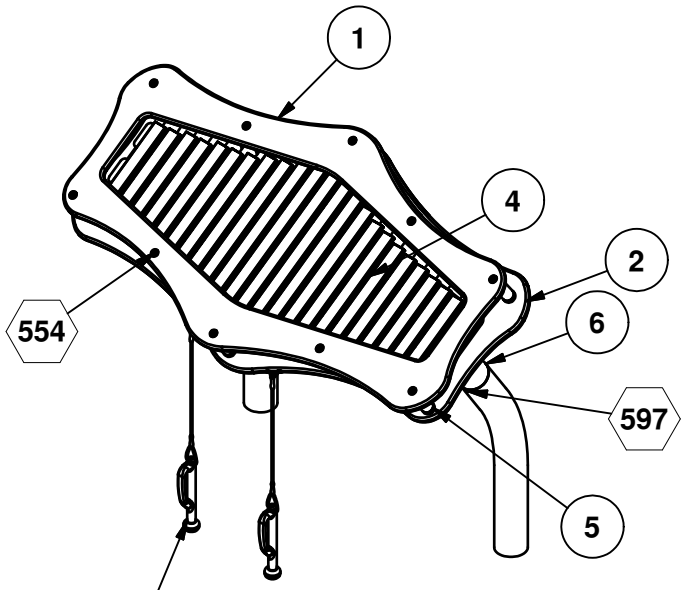
**ISSUED/REVISED: 1/10/2020**

⬡ = INSTALLATION DETAIL

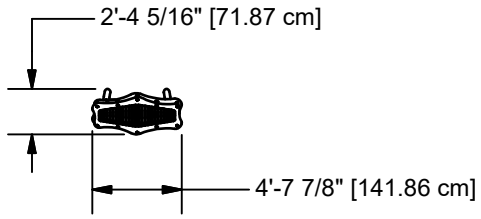
◯ = PARTS LIST REFERENCE



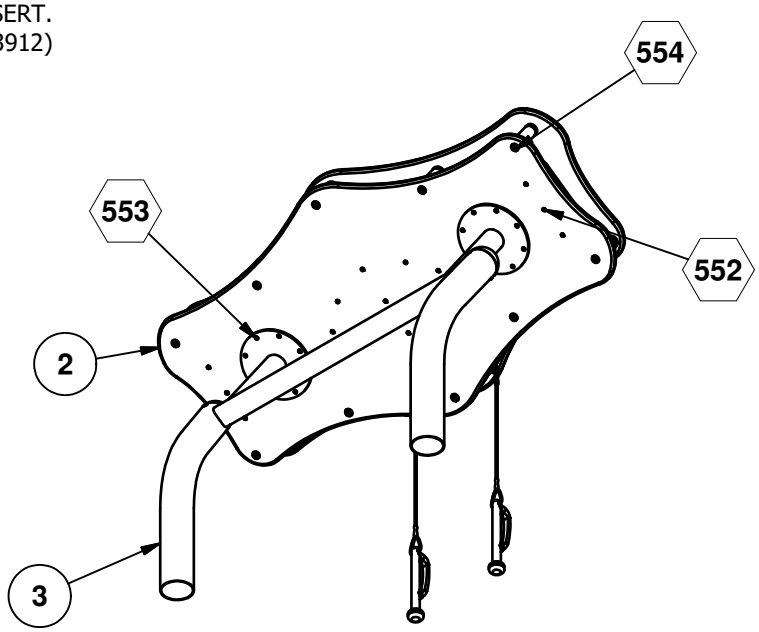

**NOTE:**
**LOWER PRODUCT 0'-8" [20.32 cm] IF INTENDED SPECIFICALLY FOR USE BY 2-5 AGE GROUP**



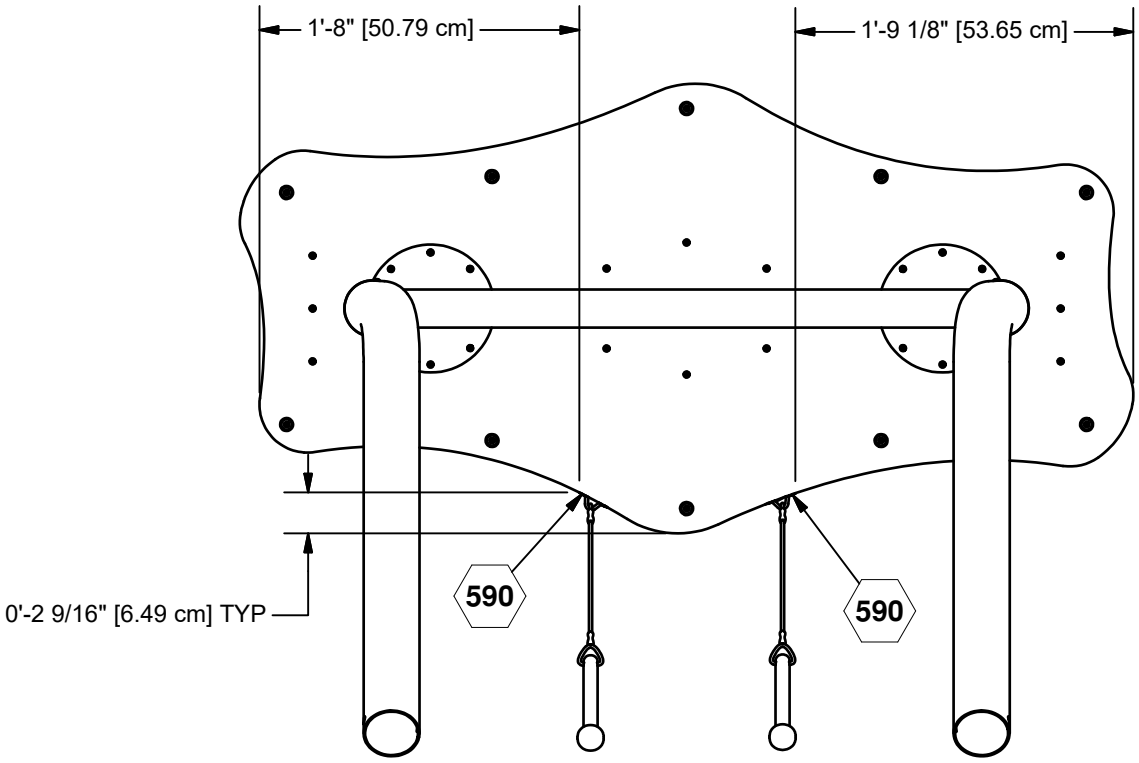

**NOTE:** MALLETS ARE INCLUDED WITH MELODY CHIMES INSTRUMENT INSERT. (313912)



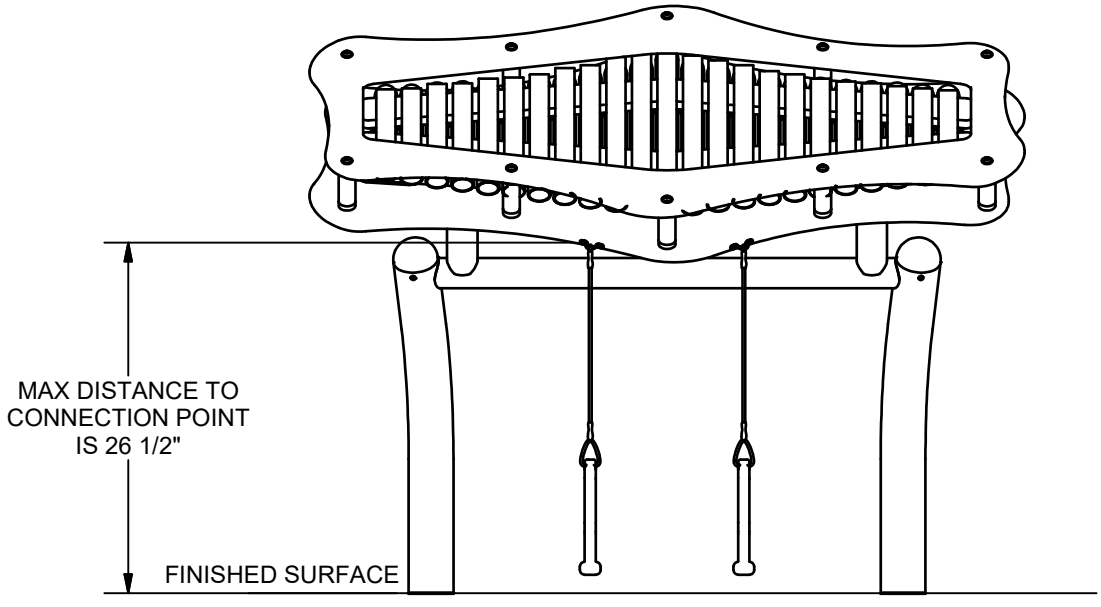

***TOP VIEW***




***ASSEMBLY VIEWS***




***MALLET PLACEMENT VIEW***




***MALLET CONNECTION POINT VIEW***

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | MELODY CHIMES FRONT HDPE PANEL | 1 | 313914 |
| 2 | MELODY CHIMES BACK HDPE PANEL | 1 | 212794 |
| 3 | MELODY CHIMES SUPPORT ASSEMBLY | 1 | 313919 |
| 4 | MELODY CHIMES INSTRUMENT INSERT | 1 | 313912 |
| 5 | MELODY CHIMES SPACER | 10 | 313917 |
| 6 | 3 1/2" DOME CAP | 2 | 212995 |
| | ***HARDWARE COMPLETE*** | 1 | 313972 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 20 | 812053* |
| | 3/8" FLAT WASHER | 20 | 817410* |
| | #10 x 1 1/4" SHEET METAL SCREW | 15 | 810069* |
| | #10 x 1 1/2" SHEET METAL SCREW | 16 | 810064* |
| | 3/16" x 13/32" DRIVE RIVET | 4 | 805366* |
| | #10 x 1" SCREW | 4 | 815506* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions

**1.** Locate and dig footing holes according to Ground Plan. See Detail 032.

**2.** Attach Melody Chimes Back HDPE Panel to Melody Chimes Support Assembly. See Detail 553. Attach Caps to Support Assembly using Detail 597.

**3.** Attach Melody Chimes Instrument Insert to Melody Chimes Back HDPE Panel. See Detail 552

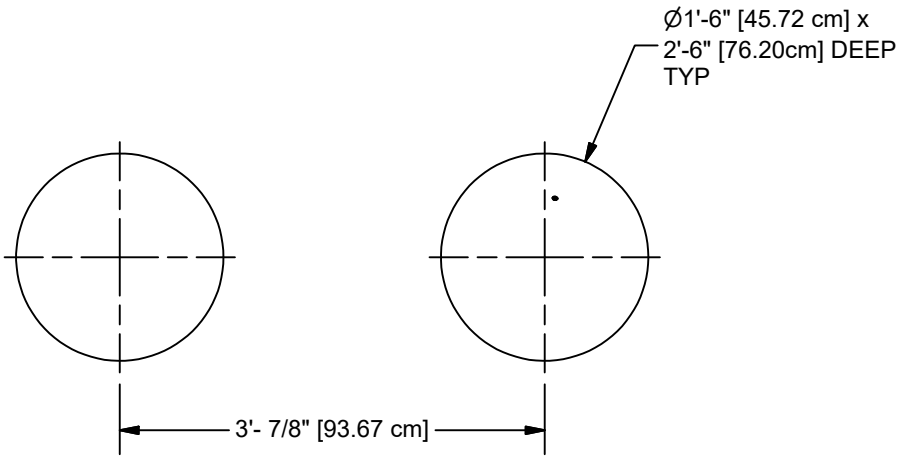
**4.** Attach Melody Chimes Spacer to Melody Chimes Back HDPE Panel and Melody Chimes Front HDPE Panel. See Detail 554.

**5.** Attach Mallet Package to Melody Chimes Back HDPE Panel. See Detail 590. Reference Mallet Placement View for placement.

**6.** Plumb and level the entire assembly and tighten all fasteners.

**7.** After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

**8.** When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.




**NOTE:** ALL HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

## ***GROUND PLAN***

**CONCRETE REQUIRED**
.20 CUBIC YARDS
[.15 CUBIC METERS]

## ***SPECIFICATIONS***

**MELODY CHIMES FRONT HDPE PANEL AND MELODY CHIMES BACK HDPE PANEL:**
The HDPE pieces shall be made from 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

**MELODY CHIMES INSTRUMENT PACKAGE:**
Shall be constructed of anodized aluminum chimes, plastic slats, and 3/8" thick pvc sheet. Mallet shall be an all plastic construction with stainless steel hardware.

**MELODY CHIMES SUPPORT ASSEMBLY:**
Shall be an all welded construction fabricated from 2-3/8" O.D. x .095" (13 gauge) wall galvanized steel tubing, 1/4" thick laser cut plate, and 3-1/2" O.D. X .095" (13 gauge) wall galvanized steel tubing.
The Melody Chimes Support Assembly shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**MELODY CHIMES SPACER:**
Shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing and threaded insert. The Melody Chimes Spacer shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

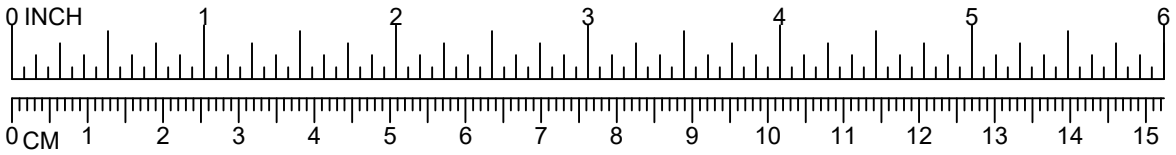
# DETAILS -for-
# 4677

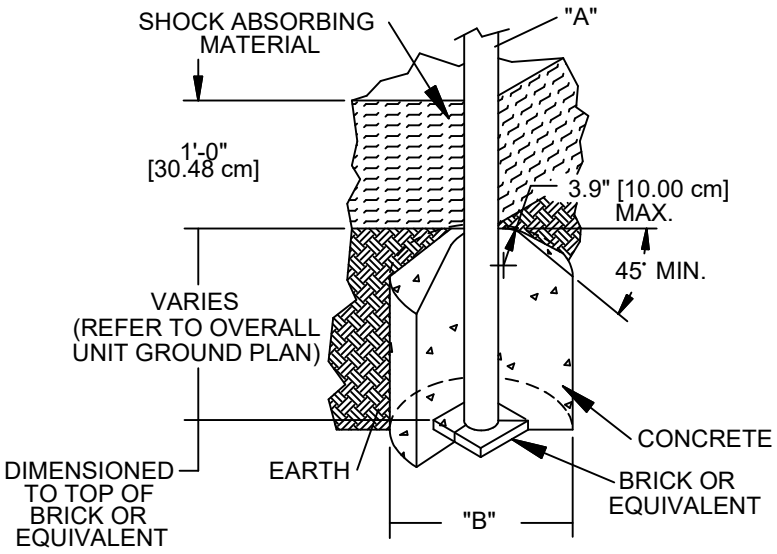
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

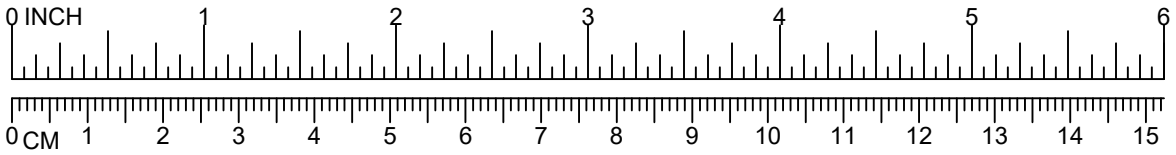
# DETAILS -for-
# 4677

*I*MPORTANT

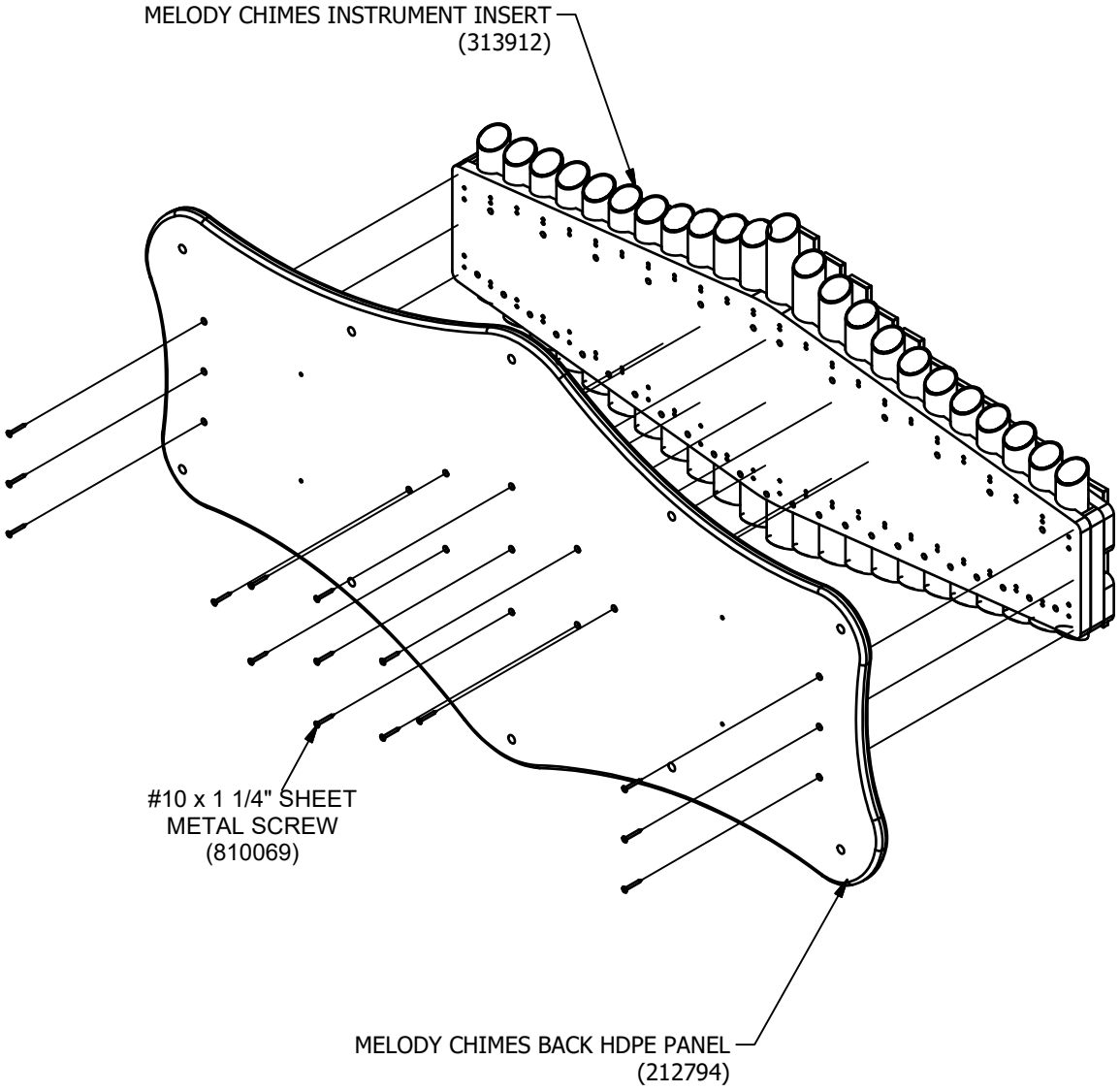
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




INPORTANT: ORIENTATION OF INSTRUMENT INSERT IS CRITICAL.
OPEN END OF CHIMES MUST BE FACING DOWN TO ALLOW DRAINAGE.



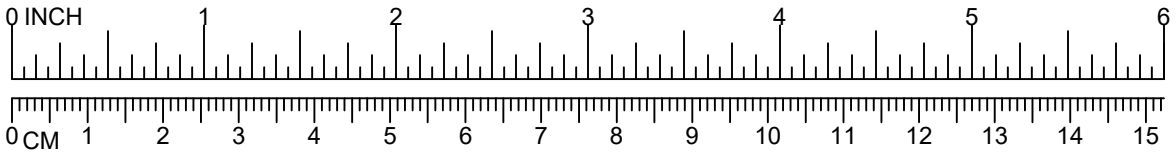
# DETAILS -for-
# 4677

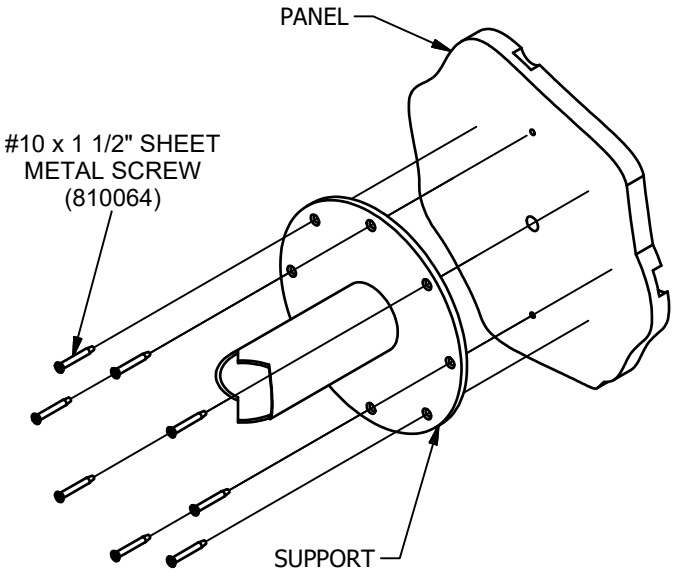
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

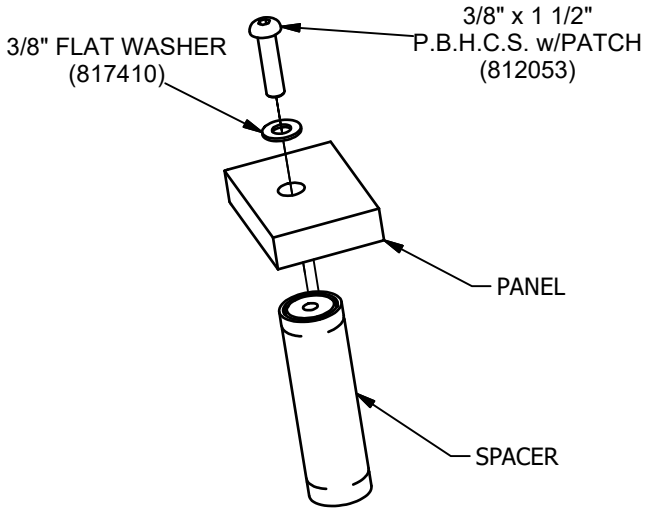
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

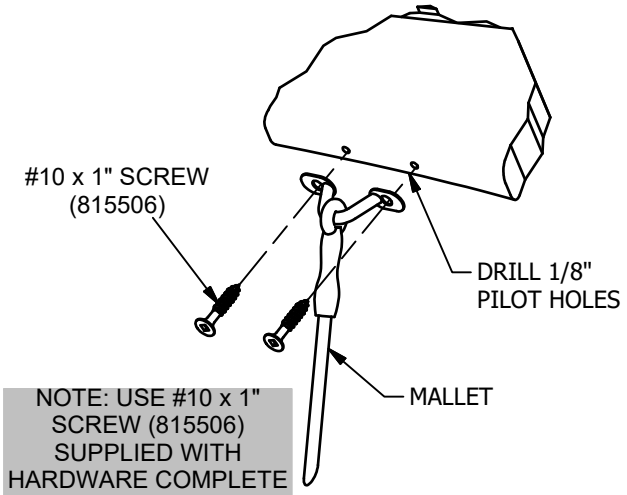



553

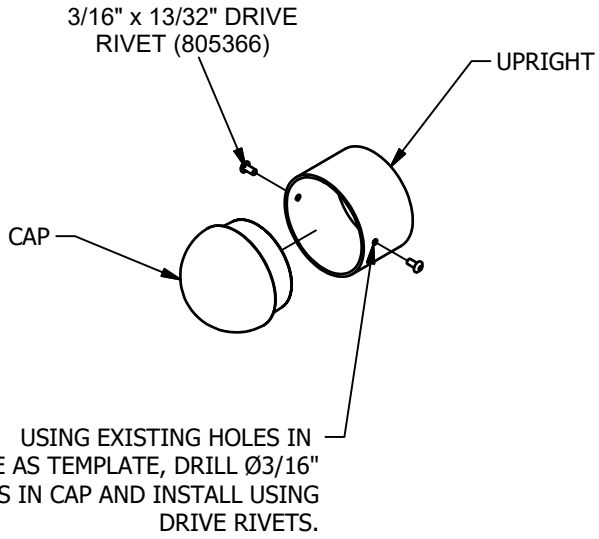



554




NOTE: USE #10 x 1" SCREW (815506) SUPPLIED WITH HARDWARE COMPLETE IN PLACE OF SCREW SUPPLIED WITH MALLET.
PILOT HOLE MUST BE DRILLED BEFORE ATTACHING.

590




597

GameTime
A PLAYCORE Company
1-800-235-2440

# 4870

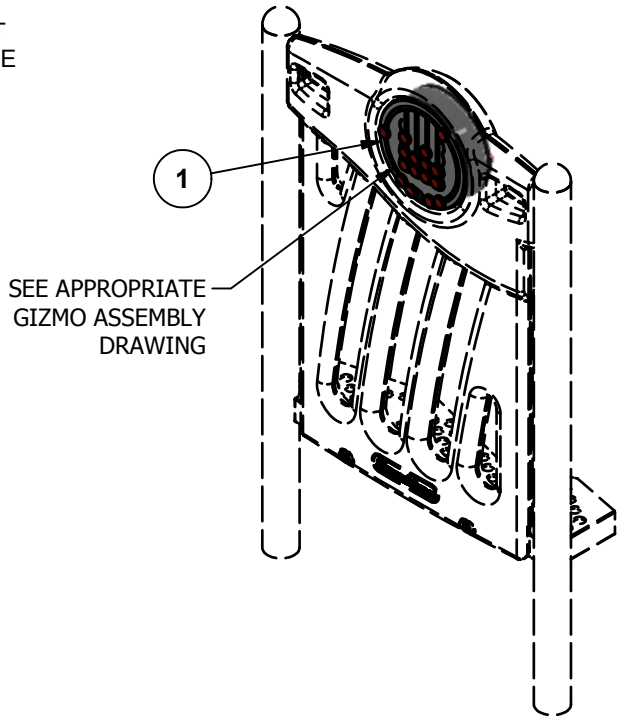
# GIZMO
# 3 IN-A-ROW

**ISSUED/REVISED: 10/23/2019**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

| | |
|---|---|
| **3 IN-A-ROW** | **4870** |
| **3 IN-A-ROW W/ BACK** | **4871** |
| **3 IN-A-ROW W/ MAZE** | **4872** |
| **MAZE** | **4873** |
| **MAZE W/ BACK** | **4874** |



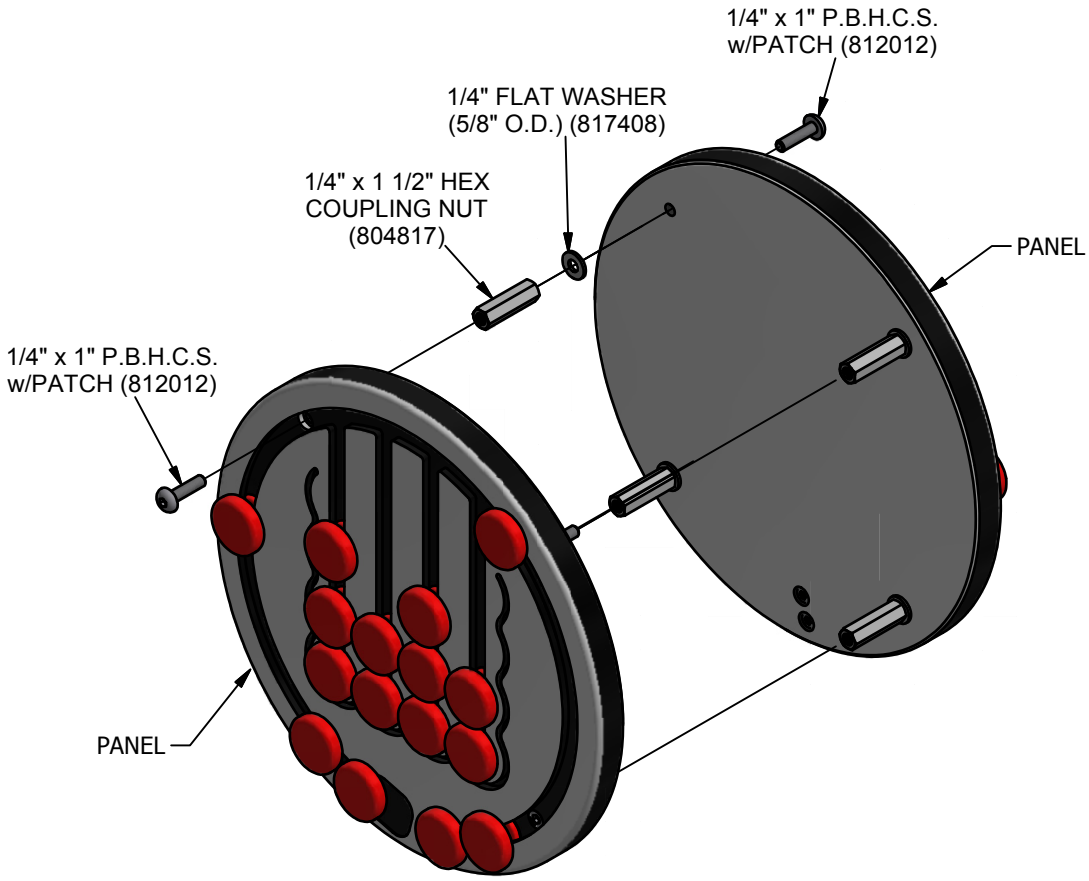

***ASSEMBLY DRAWING***
4870 SHOWN
OTHERS SIMILAR

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| REF | DESCRIPTION | 4870 | 4871 | 4872 | 4873 | 4874 | PART NUMBER |
| 1 | 3 IN-A-ROW GIZMO PANEL | 2 | 1 | 1 | 0 | 0 | 218366 |
| 2 | BACK FINGER MAZE GIZMO PANEL | 0 | 1 | 0 | 0 | 1 | 218367 |
| 3 | MAZE SLIDER GIZMO PANEL | 0 | 0 | 1 | 2 | 1 | 218368 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 1 | 218369 |
| | 1/4" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 8 | 812012* |
| | 1/4" FLAT WASHER (5/8" O.D.) | 4 | 4 | 4 | 4 | 4 | 817408* |
| | 1/4" x 1 1/2" HEX COUPLING NUT | 4 | 4 | 4 | 4 | 4 | 804817* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




***ASSEMBLY DRAWING***

4870/4871/4872/4873/4874

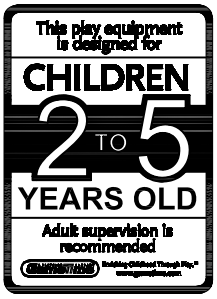
A PLAYCORE COMPANY GameTime®
Enriching Childhood Through Play℠
**1-800-235-2440**

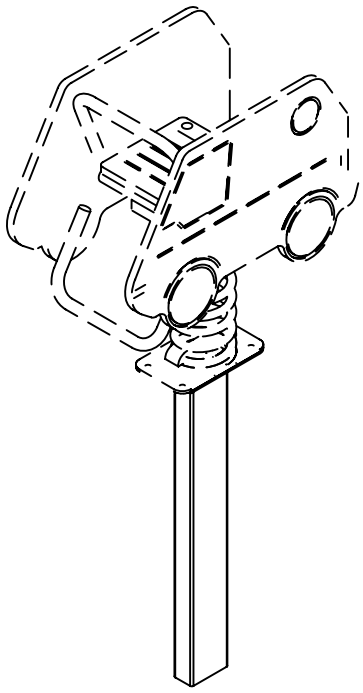
# 4880
# INGROUND MOUNT FOR SPRING RIDER

**ISSUED/REVISED: 10/19/07**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE



VAN SPRING RIDER SHOWN
(SOLD SEPARATELY)

## SPECIFICATIONS

BASE ASSEMBLY: Shall be one piece all welded construction made from 4" x 2" x 3/16" Rectangular Structural Tubing and 3/16" x 6" x 10" hot rolled steel plate. The
assembly shall be coated with a custom formula TGIC polyester powder coating.
HARDWARE: All nuts, bolts, screws and lockwashers used in the assembly of all equipment, shall be stainless
steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/ yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.
NOTE: All weights are based on average comparisons of each part.
SPECIFICATIONS: GAMETIME® has a policy of continuous
improvement and reserves the right to discontinue or change specifications without notice.

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

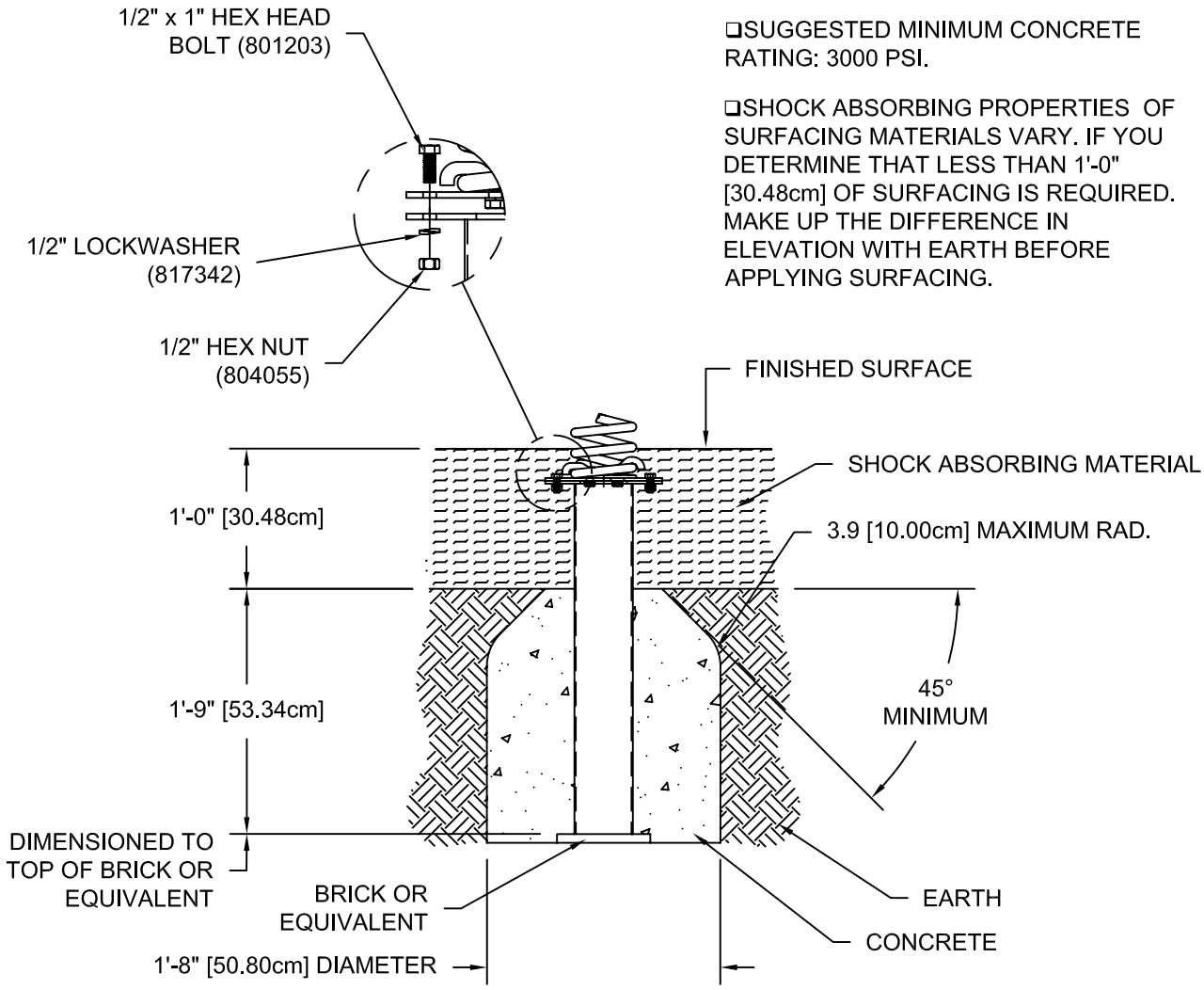
## SET UP INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN
CUSTOMERS FILE FOR FUTURE REFERENCE.
NOTE: Do not over tighten bolts. To over tighten may cause buckling or dimpling of some parts.
NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.
NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.
NOTE: Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.
NOTE: Due to extremes in weather and soil conditions, hole size may have to be increased to meet local conditions.
STEP 1: Dig ground hole per "Assembly Drawing".
NOTE: After installation, the seat height should be between 1'-2" [35.56 cm] and 2'-4" [71.12 cm] above the protective surfacing.
STEP 2: Place Base Assembly in ground hole and fill with concrete per "Assembly Drawing". Allow 72 hours for concrete to cure.
STEP 3: Attach base plate of Spring Rider to base assembly using the 1/2" hardware shown in the Assembly Drawing.
NOTE: Shaft and bearing retainer should be used on all threaded hardware.

❑SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1.

❑SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI.

❑SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED. MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING.




NOTES:

CONCRETE REQUIREMENT: .14 CUBIC YARDS [.11 CUBIC METERS]

HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE ASSEMBLY DRAWING. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

## ASSEMBLY DRAWING

### *PARTS LIST*

| *REF. NO.* | *DESCRIPTION* | *NO. REQ'D.* | *PART NUMBER* |
|---|---|---|---|
| 1 | Base Ass'y. | 1 | 177218 |
| | *Hardware Complete* | 1 | 161648 |
| | 1/2" x 1" Hex Head Bolt | 4 | 801203* |
| | 1/2" Hex Nut | 4 | 804055* |
| | 1/2" Lockwasher | 4 | 817342* |
| | Shaft and Bearing Retainer | 1 | 803517* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

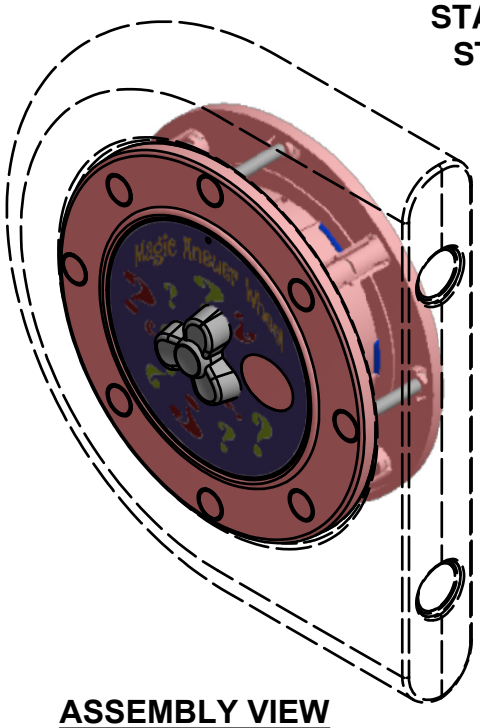
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A PLAYCORE Company
1-800-235-2440

# 4956

# GIZMO ASSEMBLIES

**ISSUED/REVISED: 11/15/2021**

| | |
|---|---|
| **ANSWER WHEEL** | **4956** |
| **BUBBLE MIRROR** | **4957** |
| **HYPNO WHEEL** | **4958** |
| **MAZE WHEEL** | **4959** |
| **STAINED GLASS YELLOW** | **4960** |
| **STAINED GLASS GREEN** | **4961** |
| **ECHO CHAMBER** | **4962** |



**ASSEMBLY VIEW**
4956 SHOWN
OTHERS SIMILAR

| Parts List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 4956 | 4957 | 4958 | 4959 | 4960 | 4961 | 4962 | PART NUMBER |
| ANSWER WHEEL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 219419 |
| BUBBLE MIRROR | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 219420 |
| HYPNO WHEEL | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 219421 |
| MAZE WHEEL | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 219422 |
| STAINED GLASS YELLOW | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 219423 |
| STAINED GLASS GREEN | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 219725 |
| ECHO CHAMBER | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 220825 |

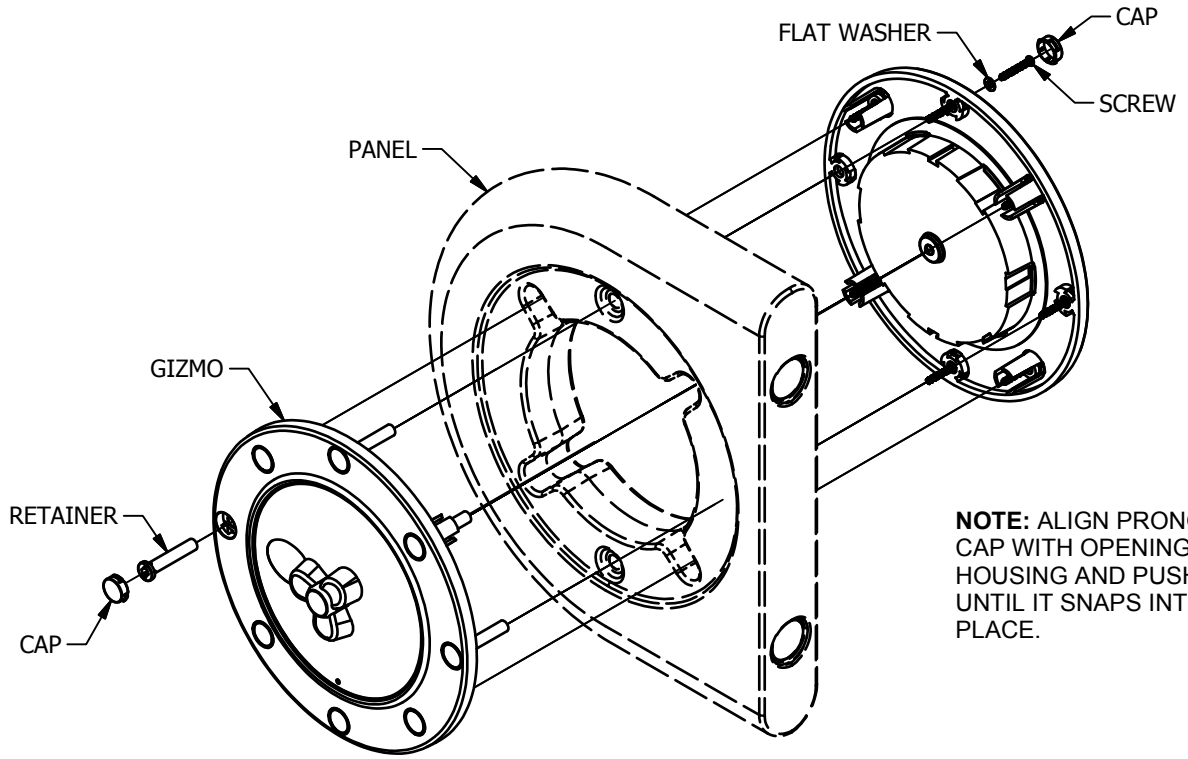
*Unless Otherwise Specified, All Units of Measure are Each*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

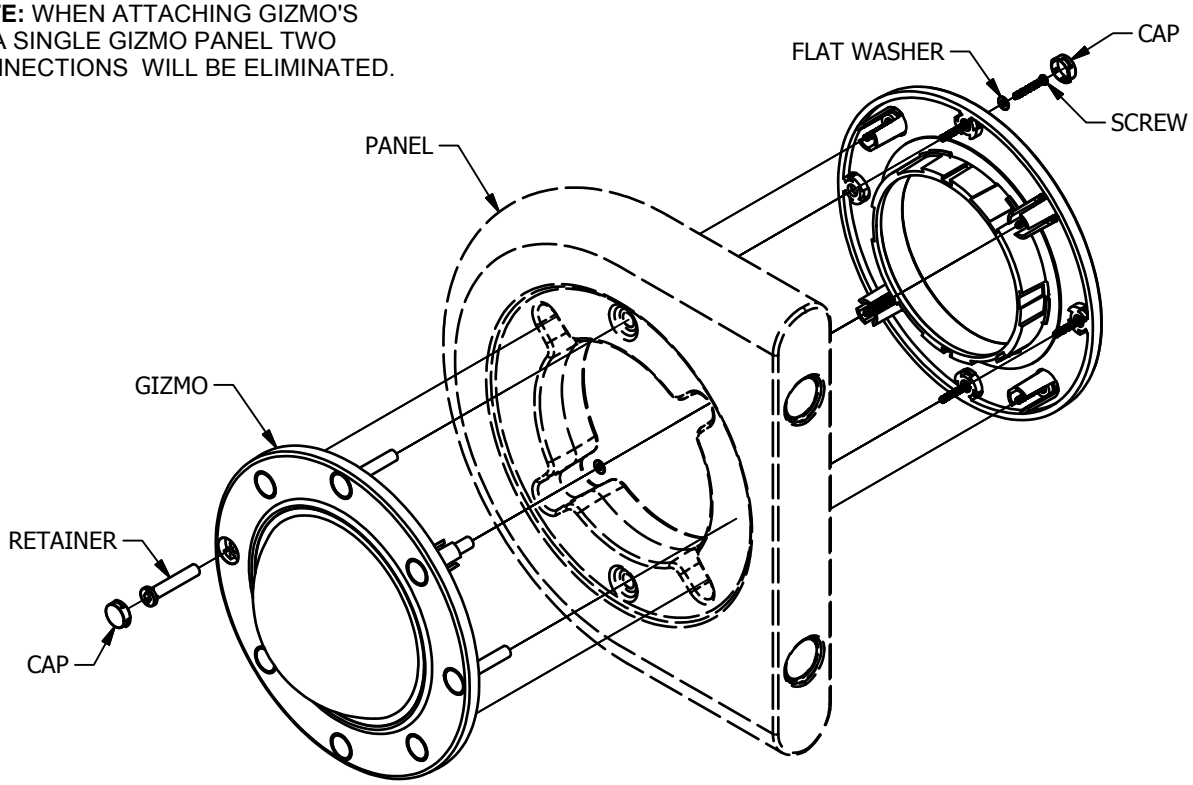



**NOTE:** ALIGN PRONGS OF CAP WITH OPENINGS OF HOUSING AND PUSH IN UNTIL IT SNAPS INTO PLACE.

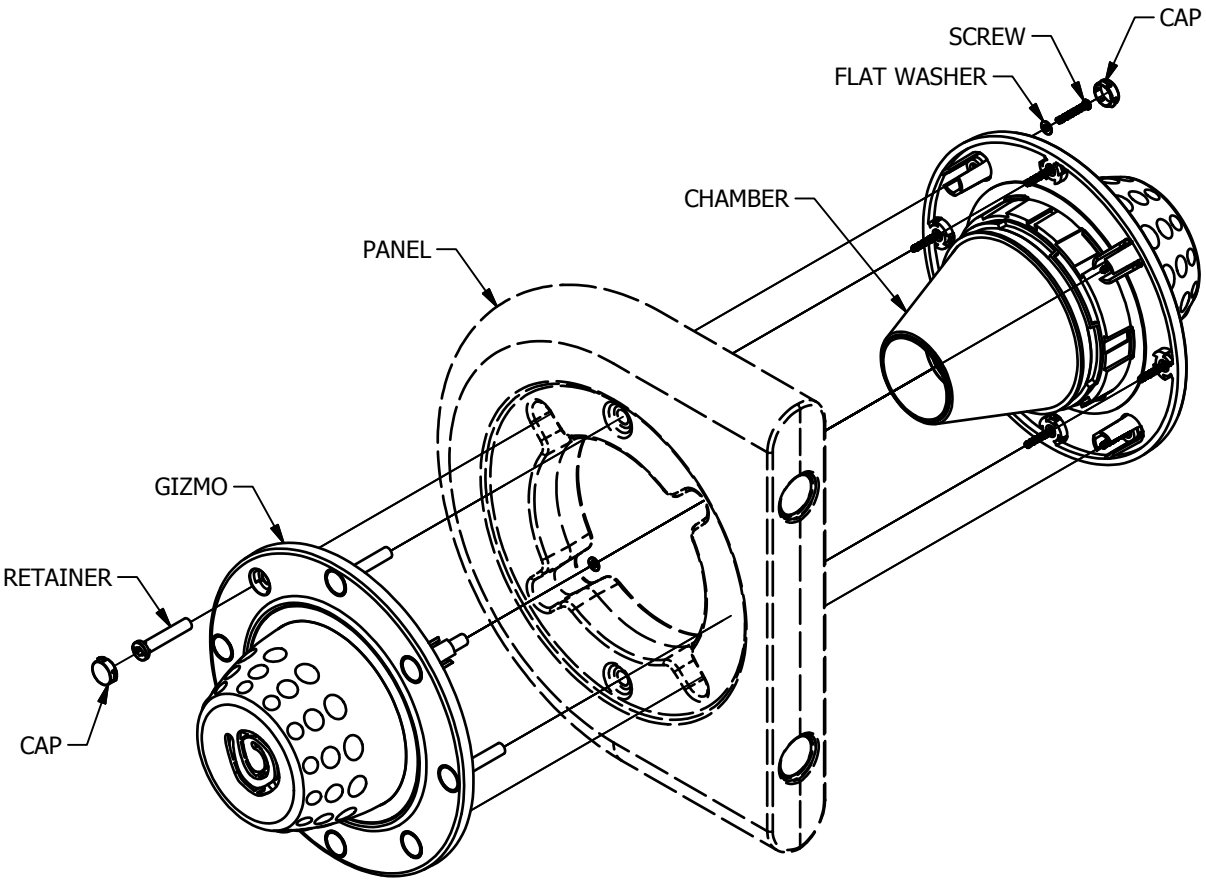
**DETAIL VIEW**
4956, 4958, AND 4959

4956 ONLY: MOUNT ANSWER WHEEL SO ANSWER IN WINDOW IS ON THE RIGHT SIDE.

**NOTE:** WHEN ATTACHING GIZMO'S TO A SINGLE GIZMO PANEL TWO CONNECTIONS WILL BE ELIMINATED.




**DETAIL VIEW**
4957, 4960, AND 4961




**DETAIL VIEW**
4962 ONLY

**NOTE:** WHEN ATTACHING GIZMO'S TO A SINGLE GIZMO PANEL TWO CONNECTIONS WILL BE ELIMINATED.

**NOTE:** ALIGN PRONGS OF CAP WITH OPENINGS OF HOUSING AND PUSH IN UNTIL IT SNAPS INTO PLACE.

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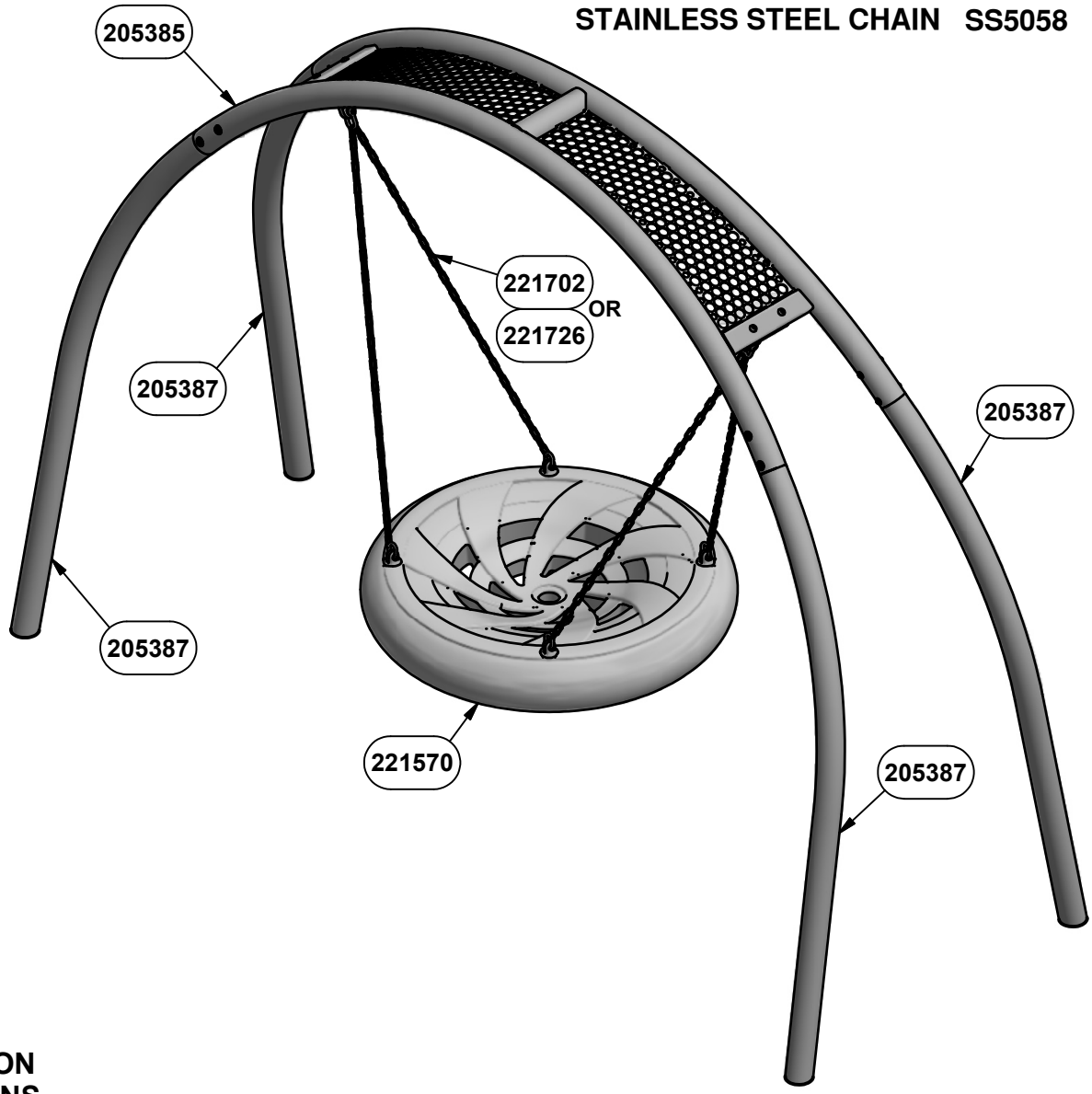
# 5058

# ARCH SWING

**ISSUED/REVISED: 8/13/2024**




**GALVANIZED CHAIN 5058**
**STAINLESS STEEL CHAIN SS5058**



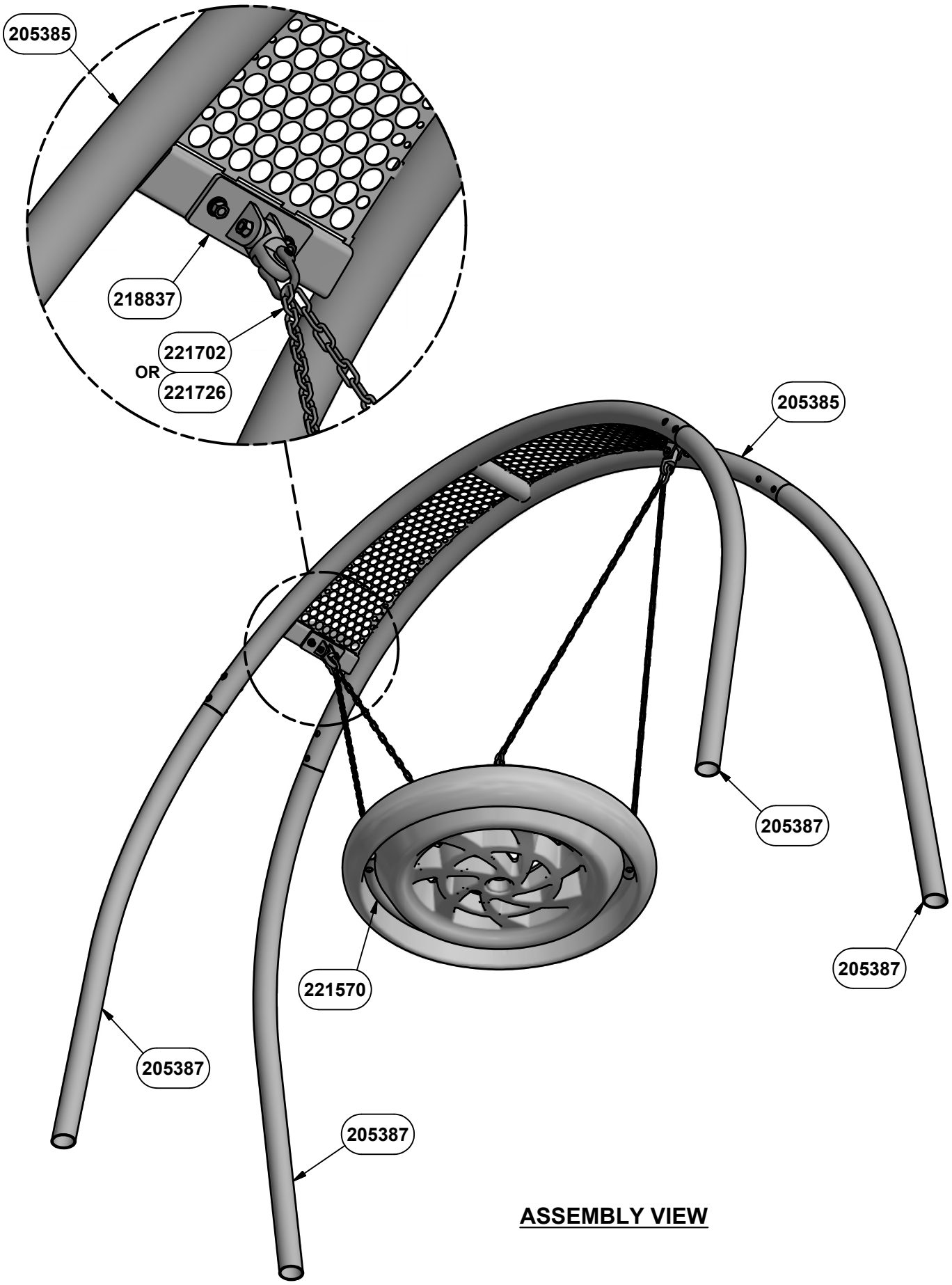

## ASSEMBLY VIEW

## INSTALLATION INSTRUCTIONS

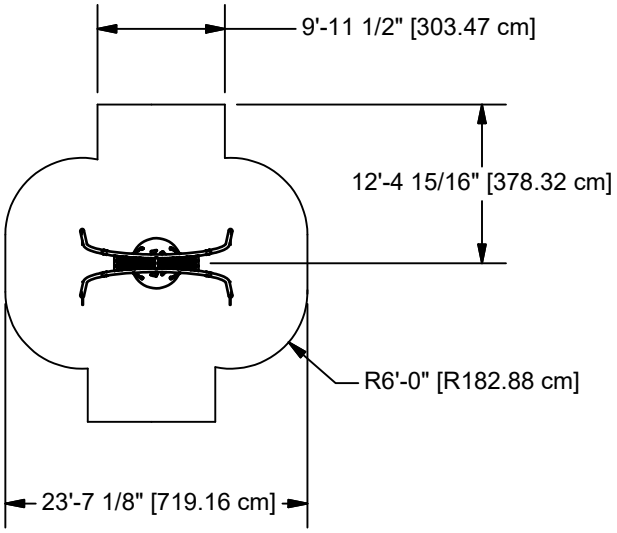
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 300mm [11.81"] | N/A |
| ASTM | 12" [305mm] | N/A |
| BS EN | 400mm [15.75"] | N/A |
| CPSC | 12" [305mm] | N/A |

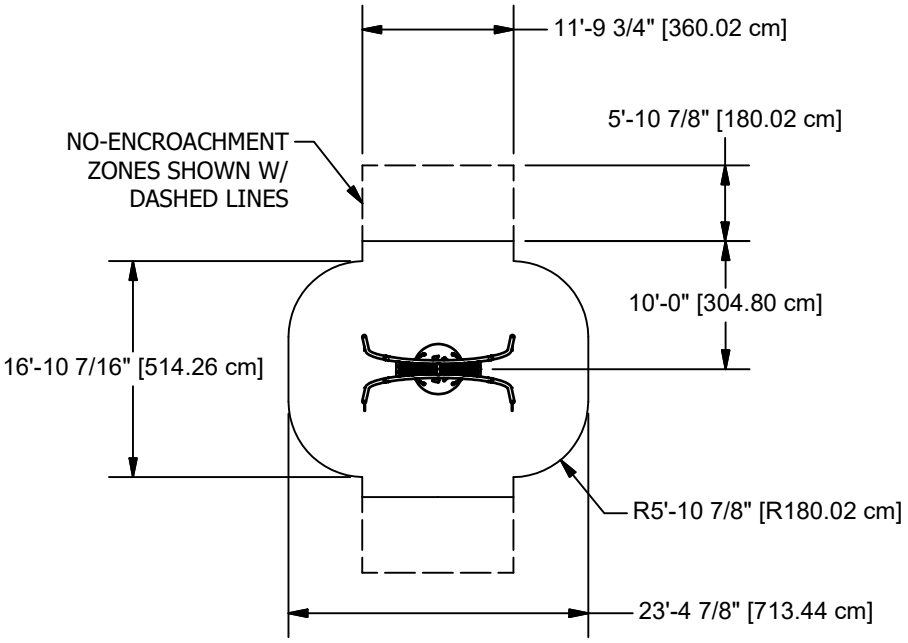
*UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]




**ASSEMBLY VIEW**

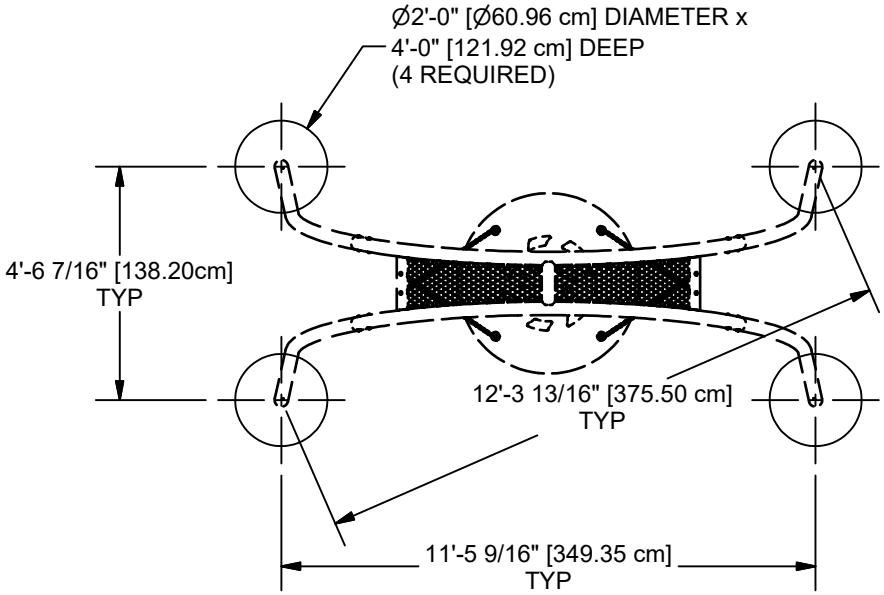



***TOP VIEW***




***CSA ONLY***

NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO-ENCROACHMENT* ZONE (CANADA ONLY).



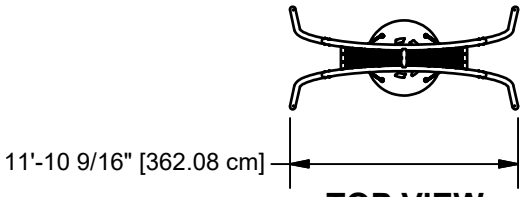

## PLAN VIEW

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

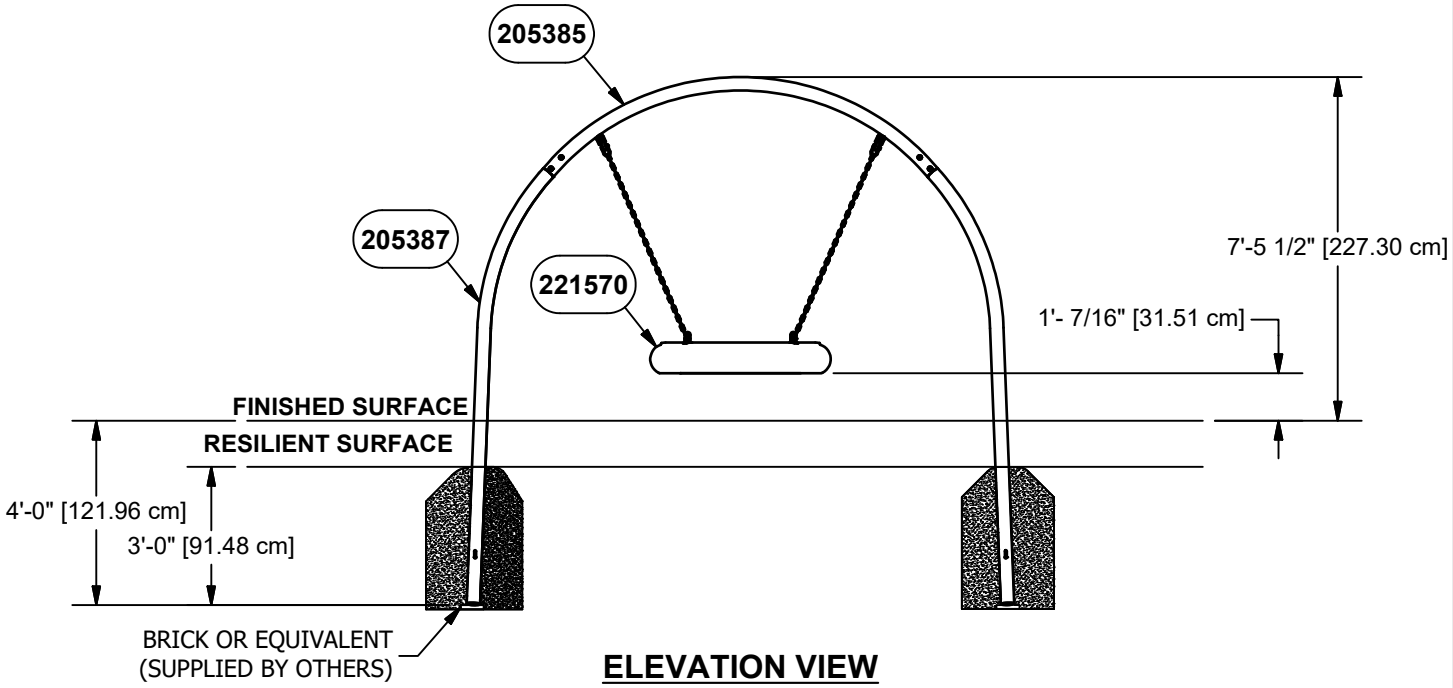
**CONCRETE REQUIRED**
1.40 CUBIC YARDS
[1.07 CUBIC METERS]

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 300mm [11.81"] | N/A |
| ASTM | 12" [305mm] | N/A |
| BS EN | 400mm [15.75"] | N/A |
| CPSC | 12" [305mm] | N/A |

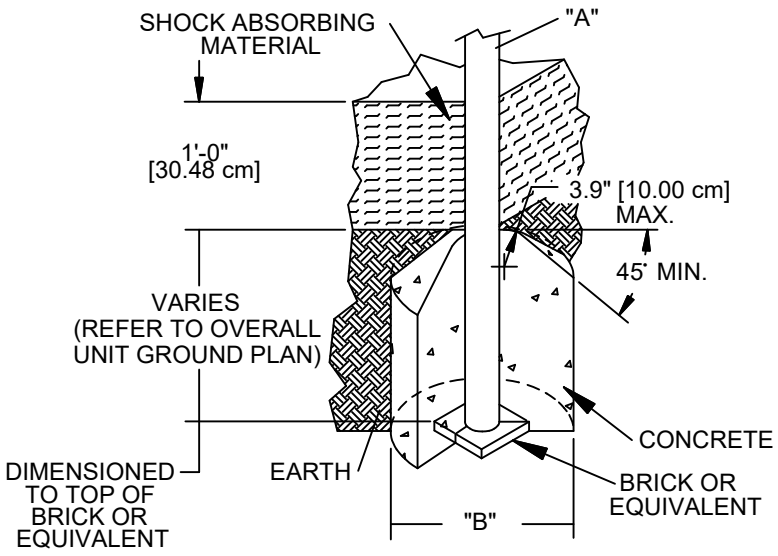
*UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]




## TOP VIEW




## ELEVATION VIEW

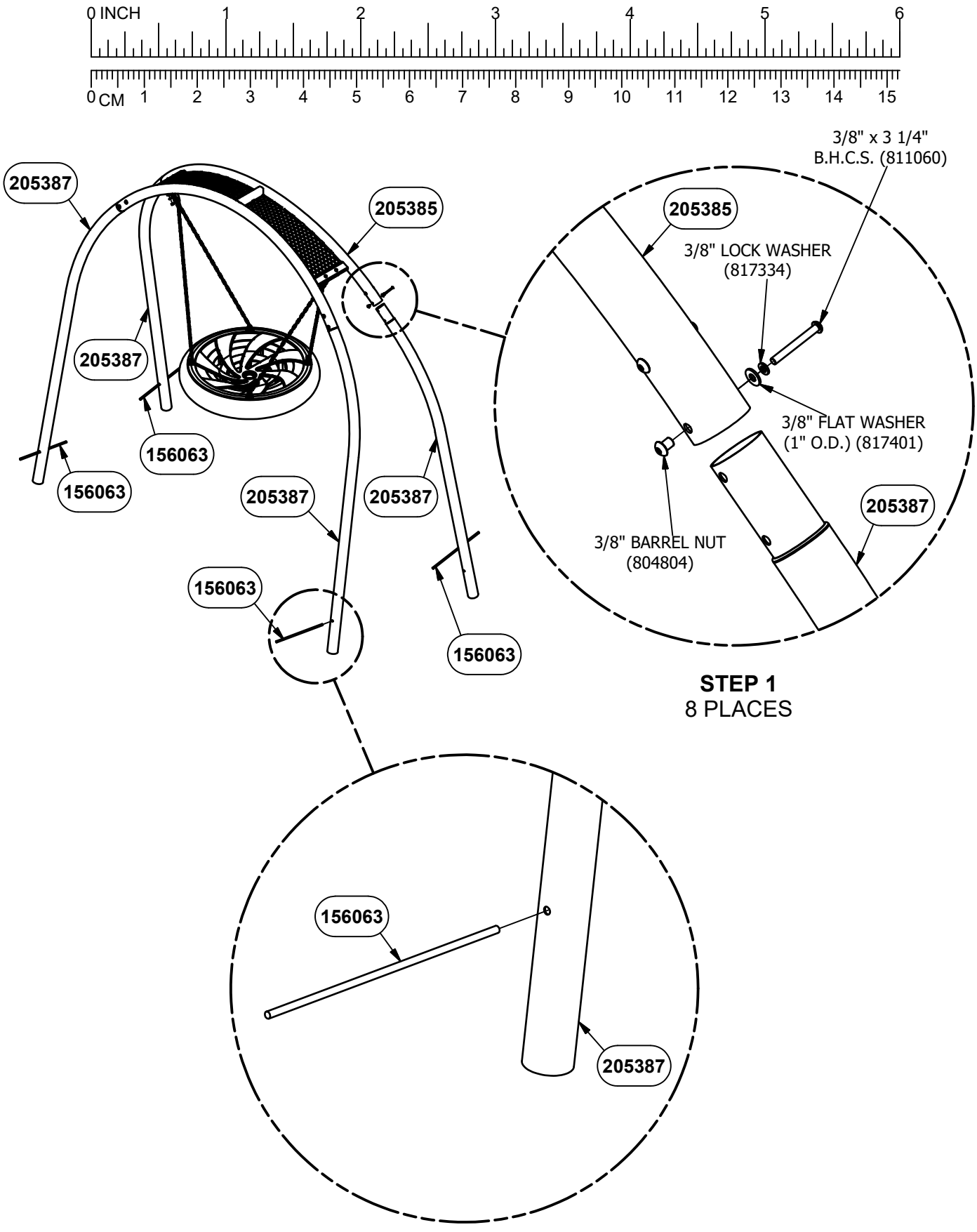



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

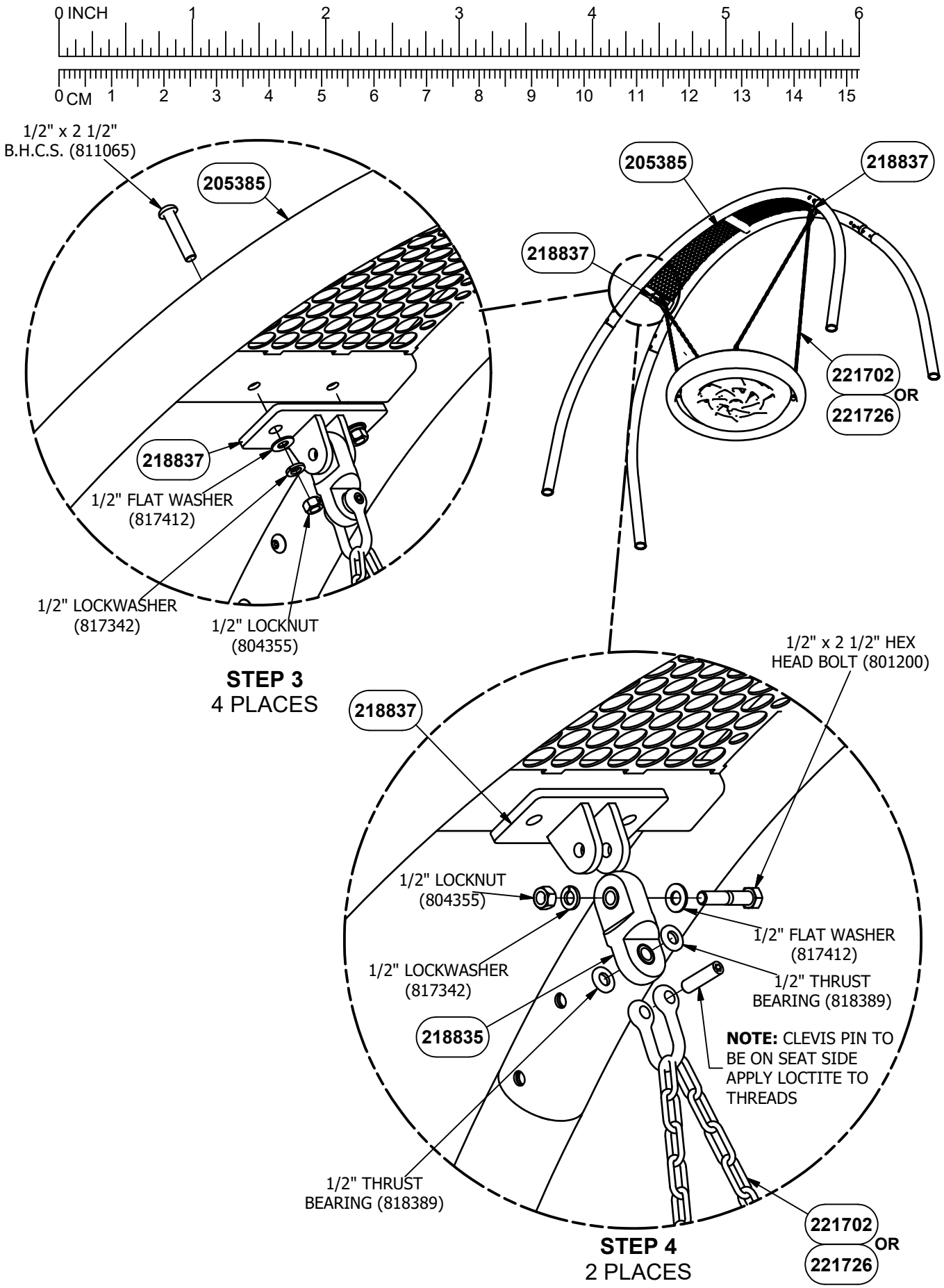
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL



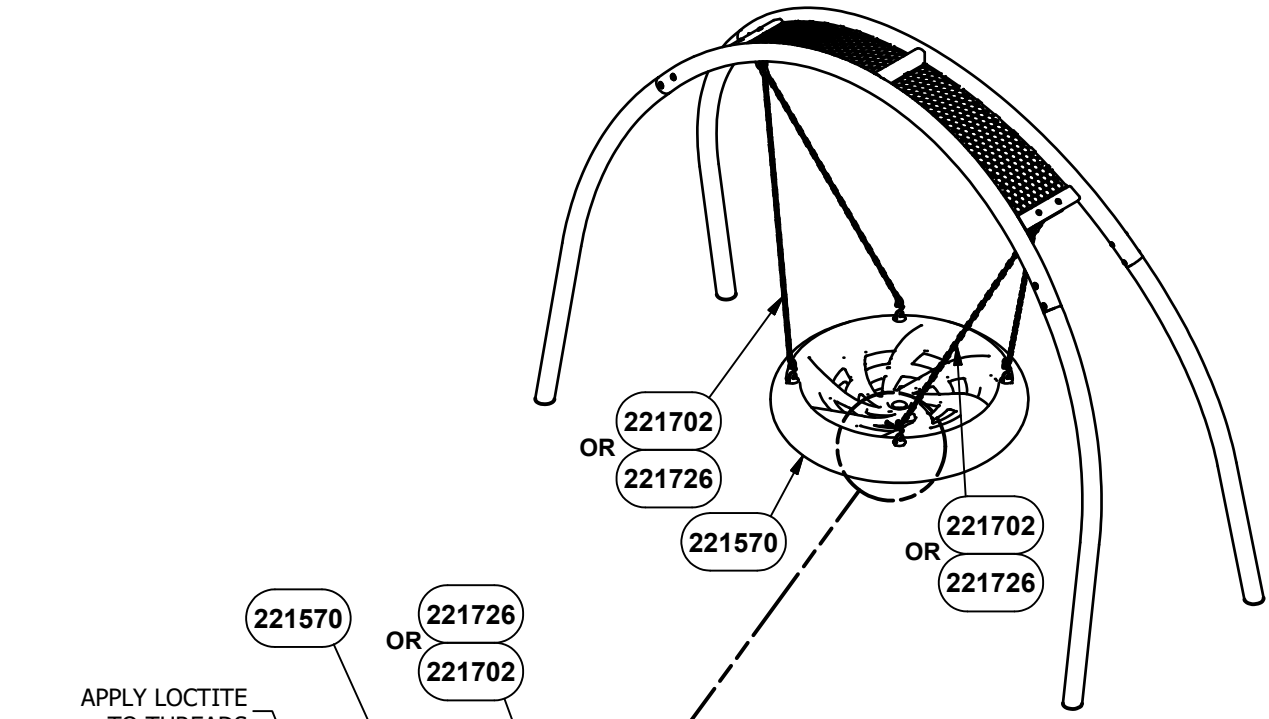

## DETAIL VIEW

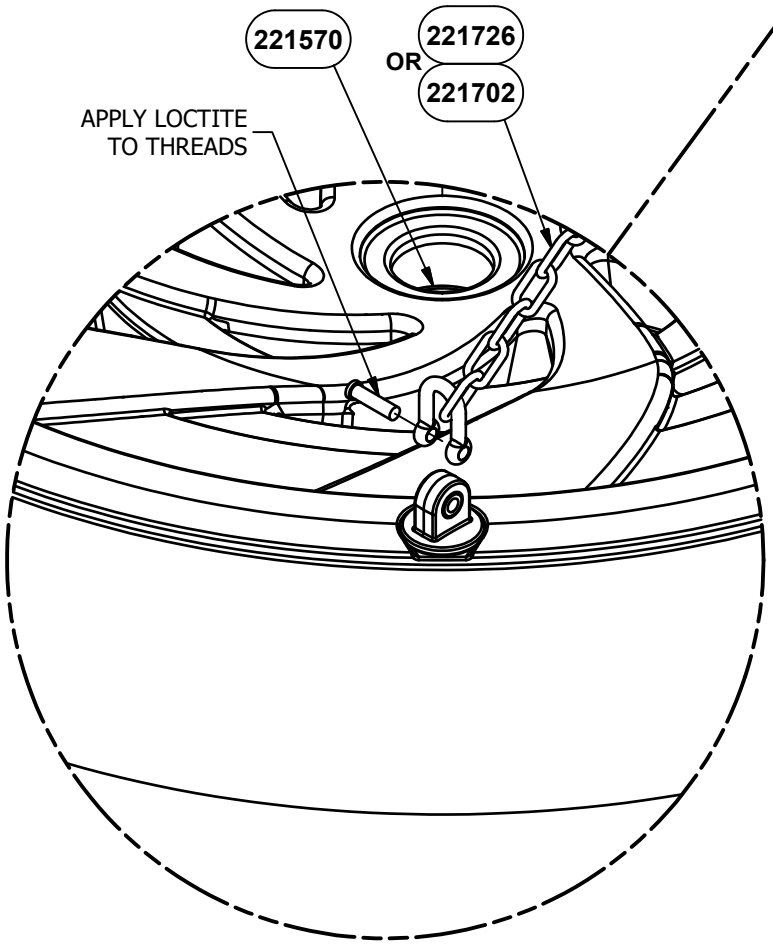
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**NOTE:** POSITION SHACKLE SO THAT PIN ENTERS ON THE SEAT SIDE.

WHEN ATTACHING SAUCER SWING TO CHAIN POSITION MOUNTING PINS AS SHOWN.

**STEP 5**
4 PLACES

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# SPECIFICATIONS

**TOPRAIL ASSEMBLY:** Shall be fabricated of 3-1/2" O.D. (11 Gauge) galvanized steel tubing and from .083" (12 Gauge) Thick H.R Steel, Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**LEGS:** Shall be fabricated of 3-1/2" O.D. (11 Gauge) galvanized steel tubing. Fabricated Part shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**MOUNTING PLATE WELD ASSEMBLY:** Shall be fabricated of 3/8" thick HR steel. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a customformula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**ARCH SWING CONNECTOR:** Shall be fabricated from 304 Stainless Steel and SAE 841 Oil Impregnated Bronze Bushings.

**GALVANIZED CHAIN:** Shall be fabricated from #80 4/0 straight link coil Steel chain, cut to length.

**STAINLESS STEEL CHAIN:** Shall be fabricated from #50 4/0 straight link coil Stainless Steel chain, cut to length.

**SAUCER ASSEMBLY:** Saucer seat assembly shall be constructed using rotationally molded plastic and coated steel cable. Rotationally Molded Products are manufactured from linear low-density polyethylene UV-stabilized color and an anti-static compound additive. The tensile strength of this material is to be 2500 PSI as defined by ASTM D638. The typical wall thickness will be .250" (¼"). All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790). Cable shall be 18mm diameter UV protected Polyamide Nylon rope with breaking load greater than or equal to 60KN. 6 strands each containing 19 steel reinforcement cords. (0.49mm cords within a Polypropylene Thermo-fixed sleeve wrapped around a reinforced fiber core containing 3 3.7mm strands.)

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 5058 | SS5058 | PART NUMBER |
| TOPRAIL ASSEMBLY | 1 | 1 | 205385 |
| LEG | 4 | 4 | 205387 |
| MOUNTING PLATE WELD ASSEMBLY | 2 | 2 | 218837 |
| GALVANIZED CHAIN CONNECTION ASSEMBLY | 2 | 0 | 221702 |
| STAINLESS STEEL CHAIN CONNECTION ASSEMBLY | 0 | 2 | 221726 |
| SAUCER SWING ASSEMBLY | 1 | 1 | 221570 |
| **HARDWARE COMPLETE** | 1 | 1 | 221577 |
| 3/8" x 3 1/4" B.H.C.S. | 8 | 8 | 811060* |
| 3/8" FLAT WASHER (1" O.D.) | 8 | 8 | 817401* |
| 3/8" LOCK WASHER | 8 | 8 | 817334* |
| 3/8" BARREL NUT | 8 | 8 | 804804* |
| 1/2" x 2 1/2" B.H.C.S. | 4 | 4 | 811065* |
| 1/2" x 2 1/2" HEX HEAD BOLT | 2 | 2 | 801200* |
| 1/2" FLAT WASHER | 6 | 6 | 817412* |
| 1/2" LOCKWASHER | 6 | 6 | 817342* |
| 1/2" LOCKNUT | 6 | 6 | 804355* |
| ARCH SWING CONNECTOR | 2 | 2 | 218835* |
| 22" ANCHOR ROD | 4 | 4 | 156063* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

GameTime
A PLAYCORE Company
1-800-235-2440

# 5165

# EXPRESSION SWING w/ ADAPTIVE SEAT

**ISSUED/REVISED: 1/19/2023**

**3 1/2" O.D. x 8' TOPRAIL 5165**
**5" O.D. x 8' TOPRAIL 5166**

⬡ = INSTALLATION DETAIL

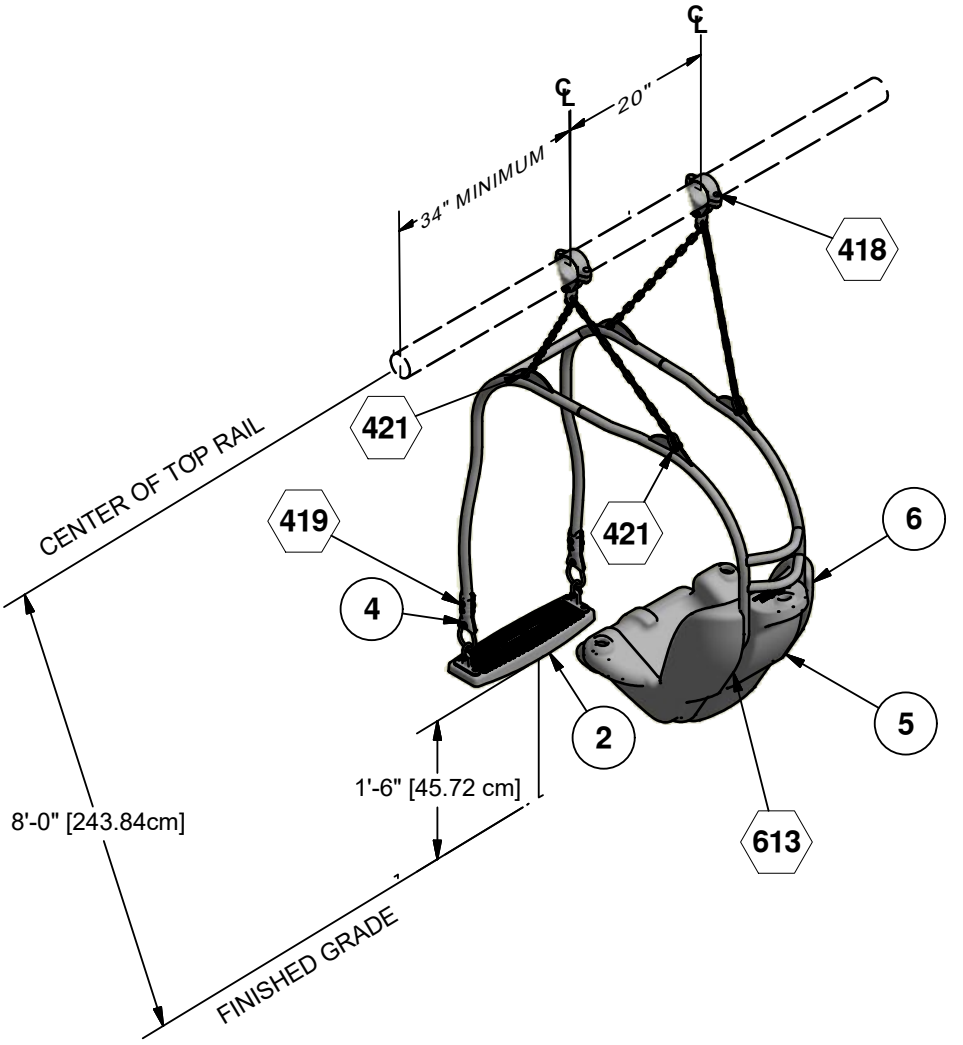
◯ = PARTS LIST REFERENCE

This play equipment is designed for CHILDREN 5 TO 12 YEARS OLD Adult supervision is recommended

Enriching Childhood Through Play.™ www.gametime.com

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. NOTE: Drill out 1/4" holes with 3/8" drill bit on the adaptive seat.




***ASSEMBLY DRAWING***
**5165 SHOWN**

| Parts List | | | | |
|---|---|---|---|---|
| REF | DESCRIPTION | 5165 | 5166 | PART NUMBER |
| 1 | EXPRESSION SWING w/ ADAPTIVE SEAT PACKAGE | 1 | 1 | 213059 |
| 2 | SEAT ASS'Y | 1 | 1 | 208958** |
| 3 | ADAPTIVE WELD ASS'Y | 1 | 1 | 212912** |
| 4 | SWING CASTING | 4 | 4 | 209237** |
| 5 | (PURCHASED) EXPRESSION SWING w/ ADAPTIVE SEAT CAUTION LABEL | 1 | 1 | 213060** |
| | ***ADAPTIVE SEAT PACKAGE 3 1/2" TOP RAIL*** | 1 | | 213062 |
| 6 | ADAPTIVE SEAT | 1 | 1 | 166082*** |
| | SWING HANGER (3-1/2" O.D.) | 2 | 0 | 1462*** |
| | ***ADAPTIVE SEAT PACKAGE 5" TOP RAIL*** | 0 | 1 | 213063 |
| 6 | ADAPTIVE SEAT | 0 | 1 | 166082**** |
| | SWING HANGER (5" O.D.) | 0 | 2 | 1487**** |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 213061** |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 2 | 812050* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 4 | 812053* |
| | 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 2 | 2 | 812057* |
| | 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 812058* |
| | 3/8" FLAT WASHER | 2 | 2 | 817410* |
| | 3/8" BARREL NUT | 10 | 10 | 804804* |
| | 3/8" LOCK WASHER | 2 | 2 | 817334* |
| | 3/8" O.D. STAINLESS STEEL WIRE | 2 | 2 | 208743* |
| | 3/8" PLASTIC SPACER | 12 | 12 | 817613* |
| | 3/8" PIN-IN TORX BIT, T45 | 2 | 2 | 812655* |
| | 1/2" LOCKWASHER | 4 | 4 | 817342* |
| | D SHACKLE w/NO-SNAG PIN | 6 | 6 | 161853* |
| | S.S. CHAIN 17 LINKS | 4 | 4 | 213058* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
***Included in Expression Swing W/ Adaptive Seat Package 213059*
****Included in Adaptive Seat Package 3 1/2" Top Rail 213062*
*****Included in Adaptive Seat Package 5" Top Rail 213063*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

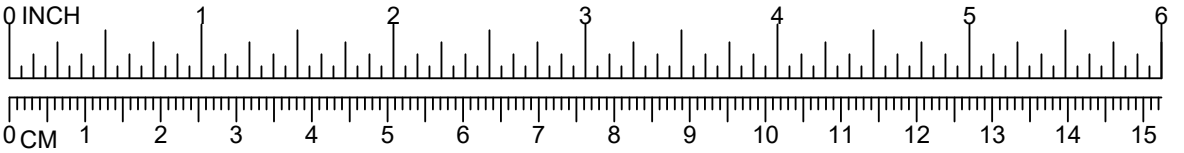
# DETAILS -for-
# 5165 & 5166

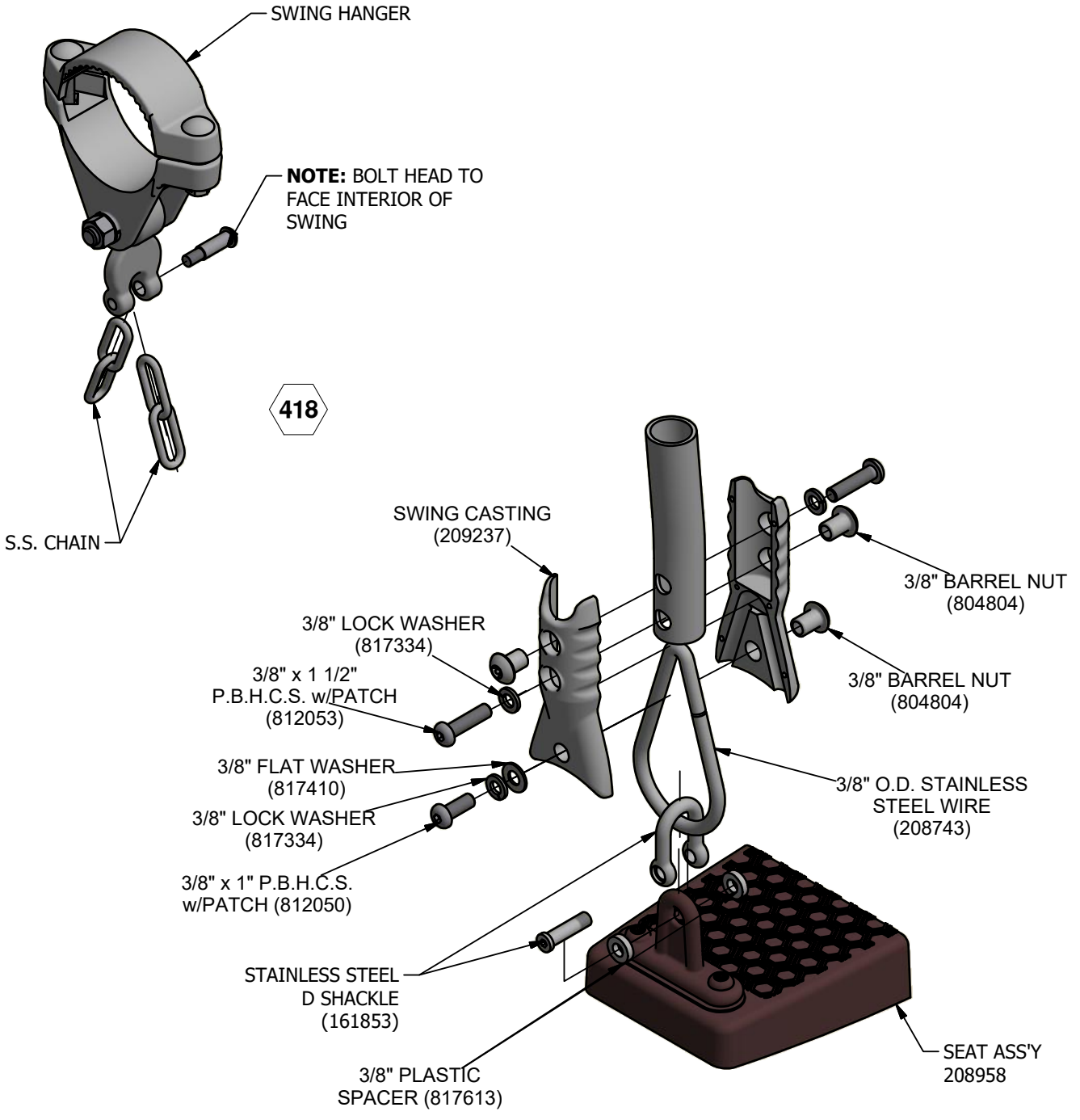
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



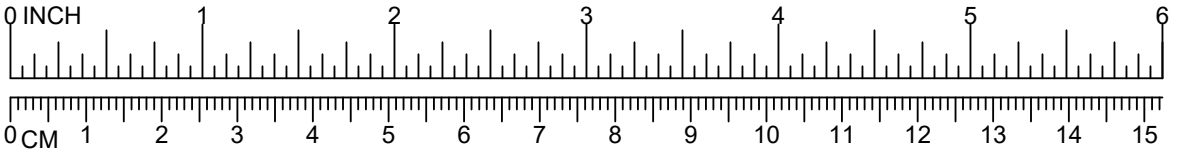
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# 5165 & 5166

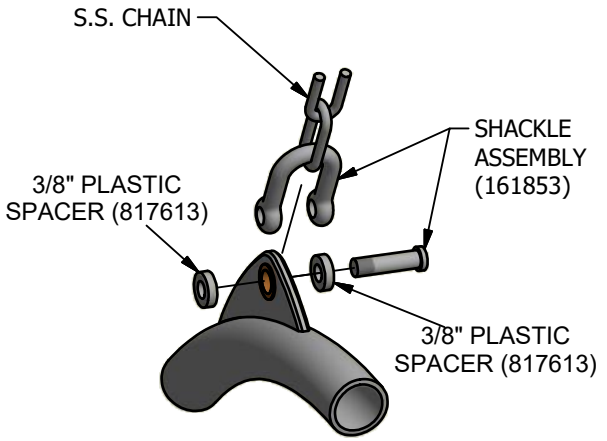
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




**NOTE:**
SPACERS LOCATED BETWEEN TAB AND INTERIOR OF SHACKLE.

421

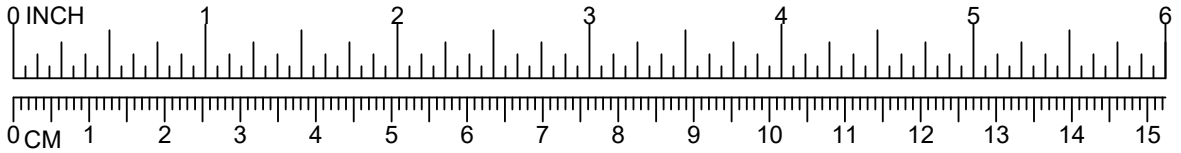
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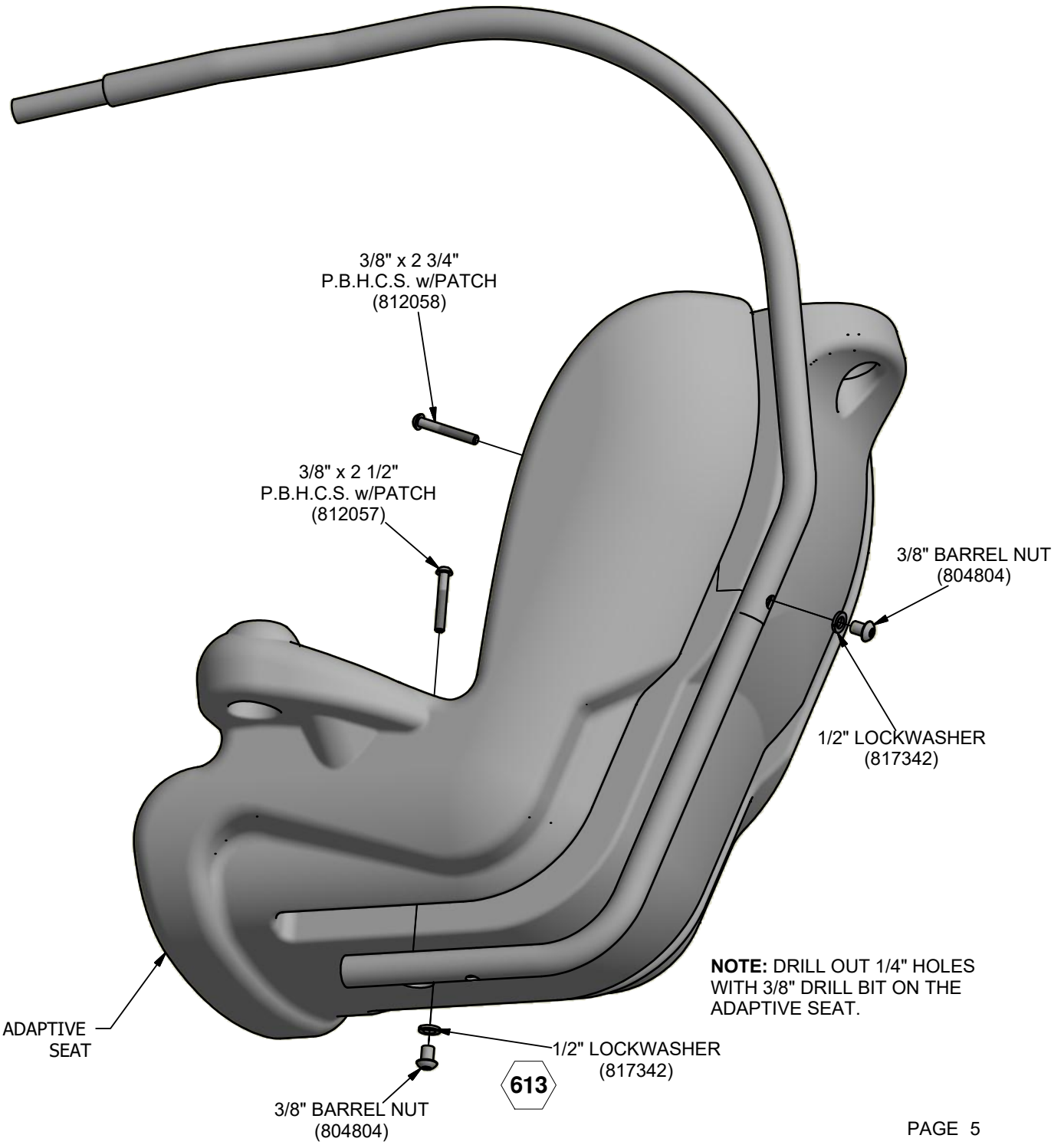
**I**MPORTANT

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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




**NOTE:** DRILL OUT 1/4" HOLES WITH 3/8" DRILL BIT ON THE ADAPTIVE SEAT.

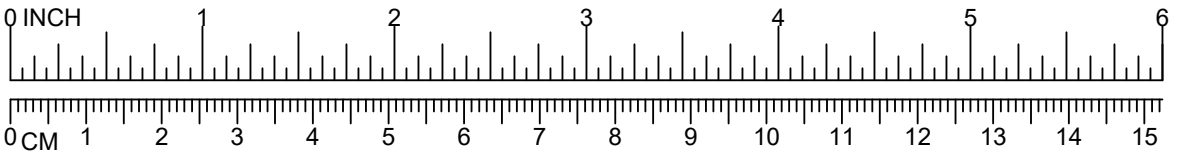
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# 5165 & 5166

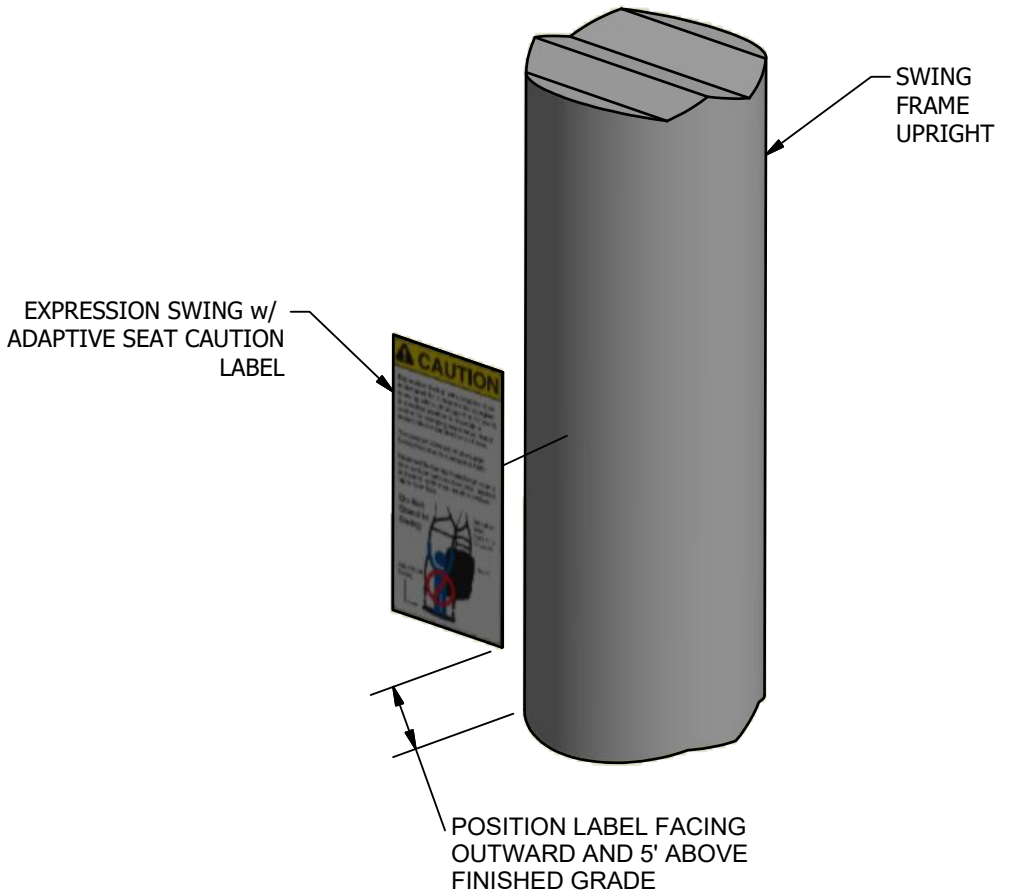
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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1-800-235-2440

# 5173

# ADAPTIVE SWING W/ RUNG SAFETY BELT KIT

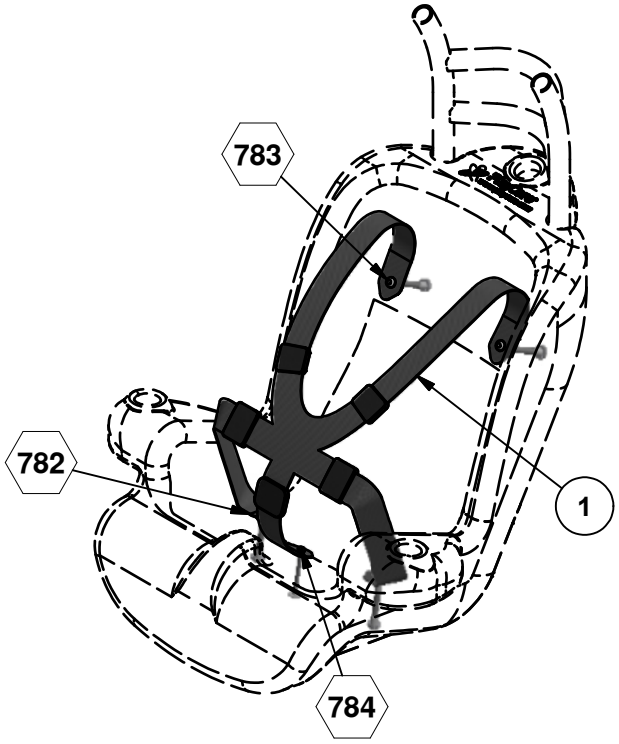
**ISSUED/REVISED: 9/25/2018**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing.* Refer to the assembly details for the specific hardware required in each connection.
3. NOTE: Drill out 1/4" holes with 3/8" drill bit on the adaptive seat.




***ASSEMBLY DRAWING***

| Parts List | | | |
|---|---|---|---|
| REF | DESCRIPTION | QTY | PART NUMBER |
| 1 | ADAPTIVE SWING SAFETY BELT | 1 | X18249 |
| | ***HARDWARE COMPLETE*** | 1 | 215684 |
| | 1/4" X 2-3/4" B.H.C.S. | 1 | 811021* |
| | 1/4" LOCK WASHER | 1 | 817326* |
| | 1/4" TEE-NUT | 1 | 804559* |
| | 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 2 | 812058* |
| | 3/8" x 3" P.B.H.C.S. w/PATCH | 2 | 812059* |
| | 3/8" BARREL NUT | 4 | 804804* |
| | 1/2" LOCKWASHER | 4 | 817342* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

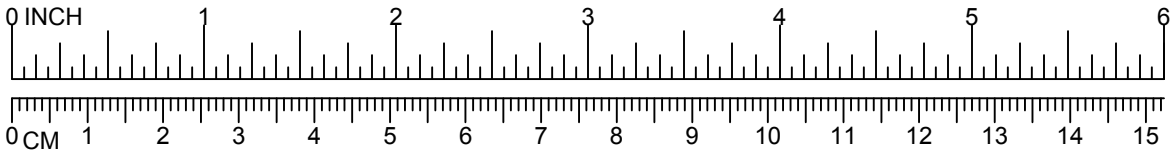
# DETAILS -for-
# 5173

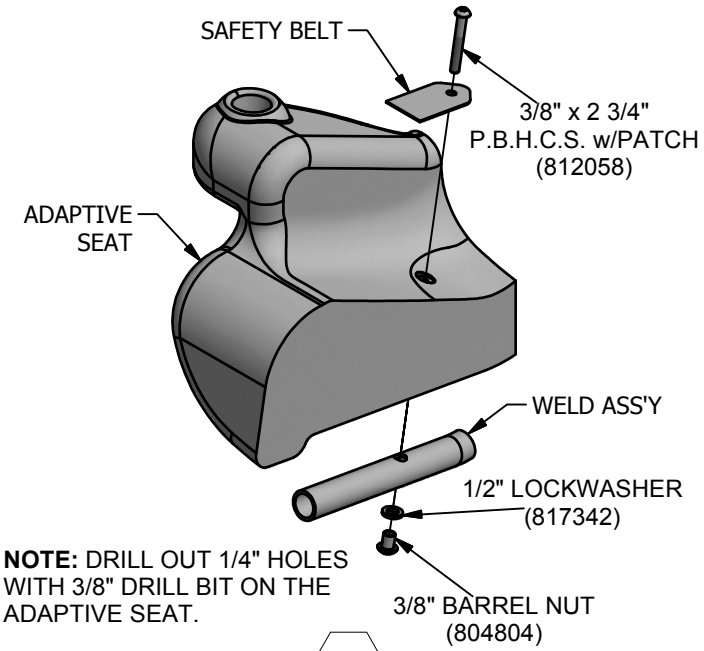
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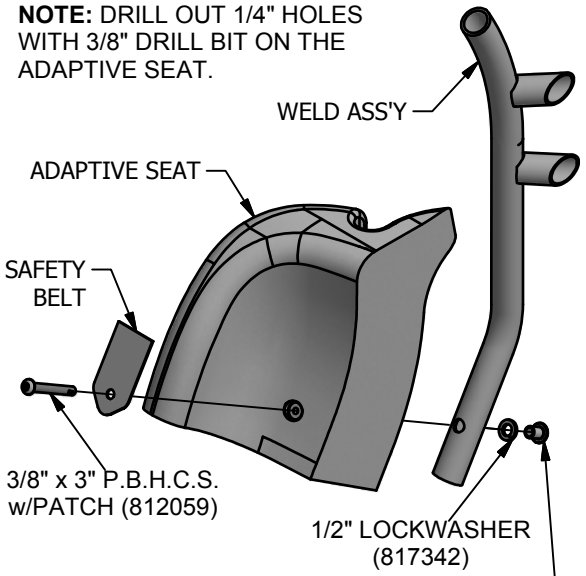
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



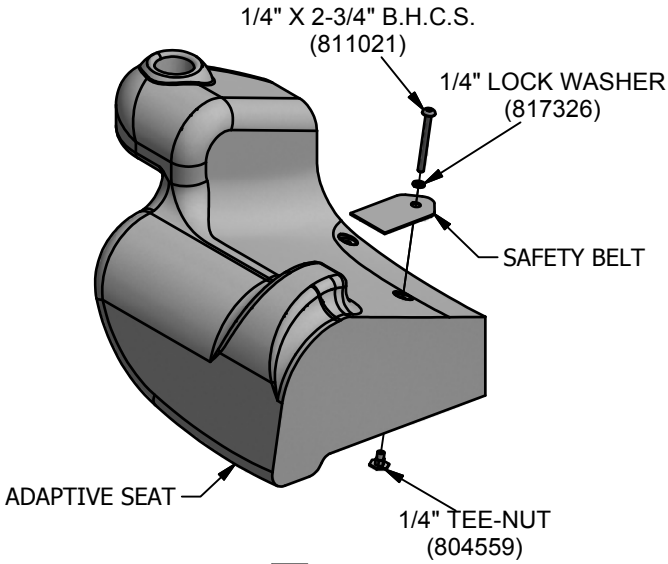




**NOTE:** DRILL OUT 1/4" HOLES WITH 3/8" DRILL BIT ON THE ADAPTIVE SEAT.

**782**




**783**




**784**

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1-800-235-2440

# 5178

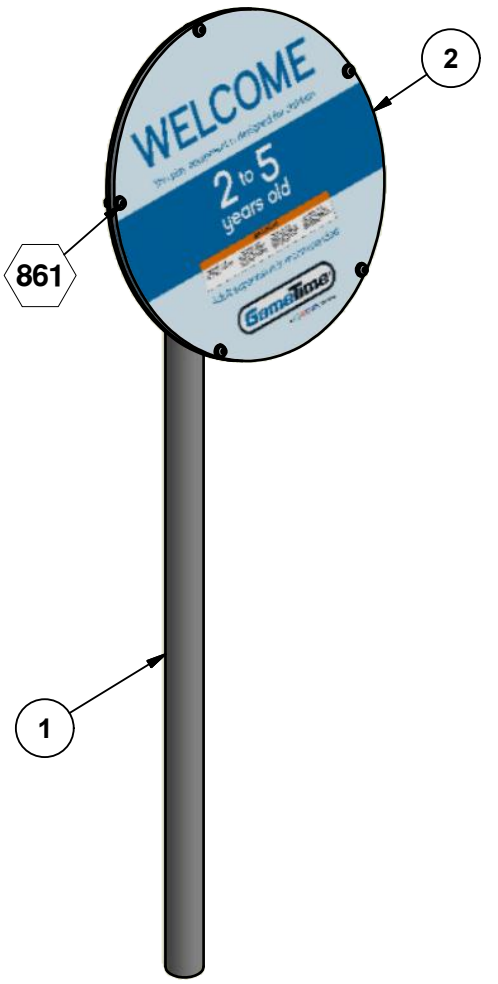
# WELCOME SIGN

ISSUED/REVISED: 2/3/2020

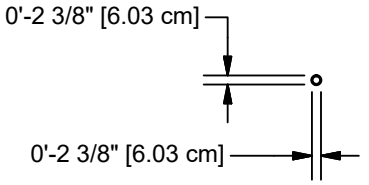
= INSTALLATION DETAIL

= PARTS LIST REFERENCE

| | |
|---|---|
| **2-5 YEAR OLD** | **5178** |
| **5-12 YEAR OLD** | **5179** |
| **2-5 OR 5-12 YEAR OLD** | **5180** |




***ASSEMBLY VIEW***




***TOP VIEW***

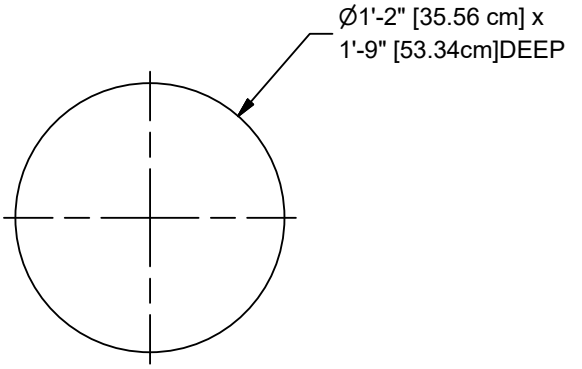
| Parts List | | | | | |
|---|---|---|---|---|---|
| REF. | DESCRIPTION | 5178 | 5179 | 5180 | PART NUMBER |
| 1 | WELCOME SIGN WELD ASS'Y | 1 | 1 | 1 | 215665 |
| 2 | 2 TO 5 WELCOME SIGN | 1 | 0 | 0 | 217318 |
| 2 | 2 TO 5 OR 5 TO 12 WELCOME SIGN | 0 | 0 | 1 | 217320 |
| 2 | 5 TO 12 WELCOME SIGN | 0 | 1 | 0 | 217319 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 219264 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 5 | 5 | 5 | 812051* |
| | 3/8" LOCK WASHER | 5 | 5 | 5 | 817334* |
| | 3/8" FLAT WASHER | 5 | 5 | 5 | 817410* |
| | 3/8" HEX NUT | 5 | 5 | 5 | 804053* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




## ***GROUND PLAN***

CONCRETE REQUIRED:
.24 CUBIC YARDS
[.18 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 298. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

## ***INSTALLATION INSTRUCTIONS***

**STEP 1:** Dig required hole. Place a brick or equivalent in the bottom of hole to provide a solid foundation.See Assembly Drawing and Ground Plan.

**STEP 2:** Bolt Sign onto Mounting Plate as shown in Detail 861.

**STEP 3:** Place Assembly into center of ground hole. Plumb and level Assembly.

## ***SPECIFICATIONS***

**WELCOME SIGN:** The Welcome Signs shall be 1/2" thick exterior DHPL with a 12 color high definition printed graphic.

**WELCOME SIGN WELD ASSEMBLY:** Shall be an all welded construction consisting of 2 3/8" O.D. x .095" (13 gauge) wall galvanized steel tubing and a 1/4" thk. 22" dia. hot rolled steel mounting plate. Assembly shall have a powder coat finish.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

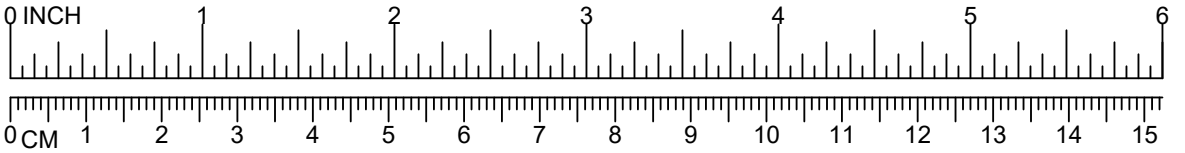
# DETAILS -for-
# 5178, 5179 & 5180

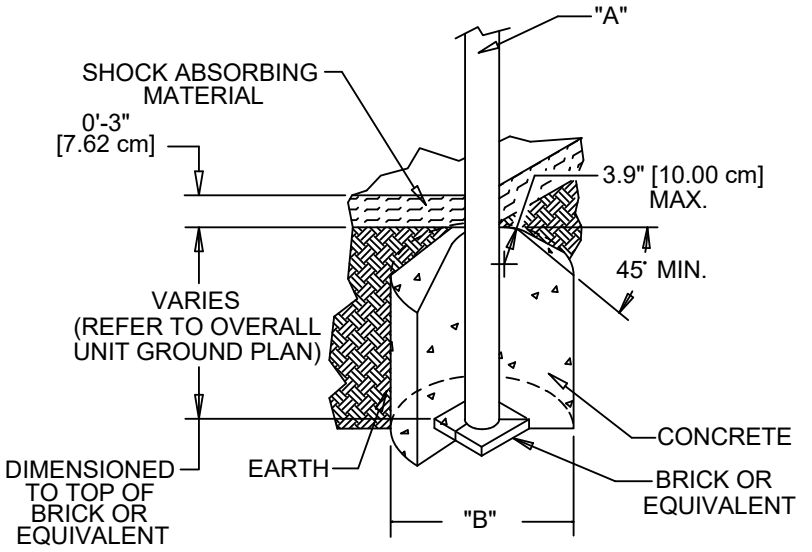
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

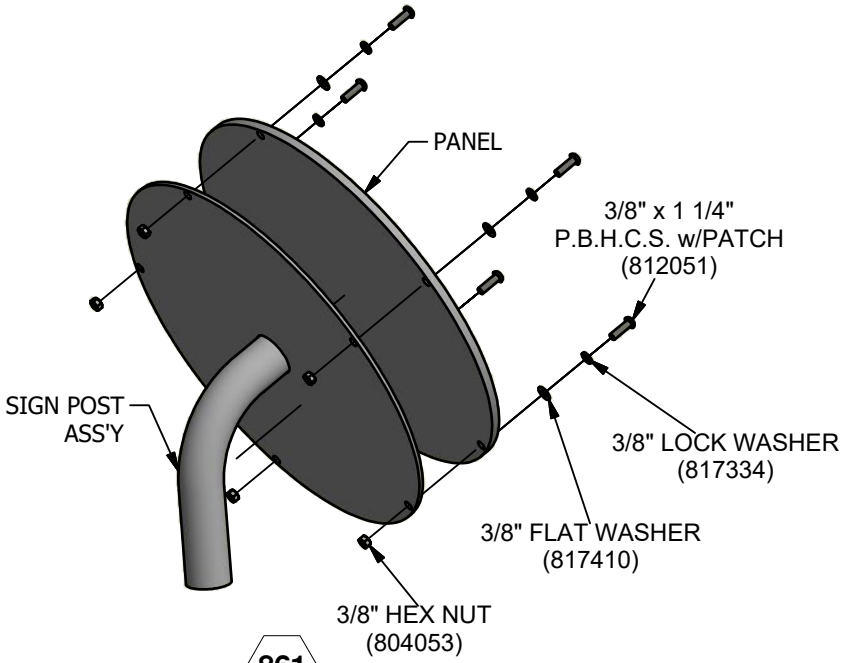



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

298




861

GameTime
A PLAYCORE Company
1-800-235-2440

# 6232

# POD

ISSUED/REVISED: 5/1/19

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

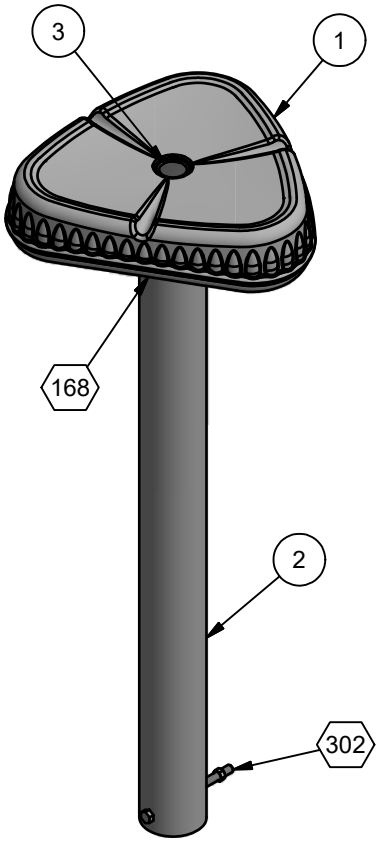
| | |
|---|---|
| **POD 1'-0"** | **6232** |
| **POD 2'-0"** | **6233** |
| **POD 2'-6"** | **6236** |




6232



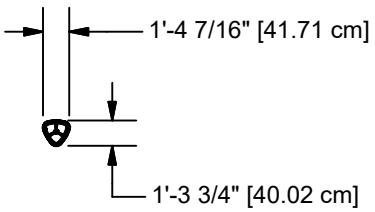

6233 & 6236




***ASSEMBLY DRAWING***
**6232 SHOWN**

*OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F1292 AND ASTM F1487 (U.S.) OR CAN/CSA-Z614 (CANADA).

*THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS. FOR CANADIAN INSTALLATIONS ONLY, AN ADDITIONAL 1.8M LONG (MINIMUM) NO-ENCROACHMENT ZONE IS REQUIRED BEYOND THE PROTECTIVE SURFACING ZONE.




***TOP VIEW***

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

☐ Assembly all slides on level ground to insure proper run-off of slide bedway. The runoff portion of bedway should slope downward no more than 4 degrees.

☐ Examine bedway, bedrails, handrails for foreign objects, holes, and rough edges.

☐ Because metal slides left in the sun can cause burns, they should be placed in shaded areas whenever possible. Placing metal slides in a shaded location will also prevent them from reflecting the glare of the sun and interfering with children's vision.

☐ A soft resilient surface should be placed under all slides, extending at least six feet in all directions surrounding the slides. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

## *SPECIFICATIONS*

***MINI POD:*** The Mini Pod shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

***FRAME:*** Shall be an all welded assembly fabricated of 3.500" O.D. galvanized steel tubing with a wall thickness of .095" and 11 gauge (.120") hot rolled flat steel that is formed. This assembly shall have a powder coat finish.

***PLUG:*** Shall be fabricated of black butyl rubber with a durometer of 60.

***HARDWARE:*** All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel.
Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

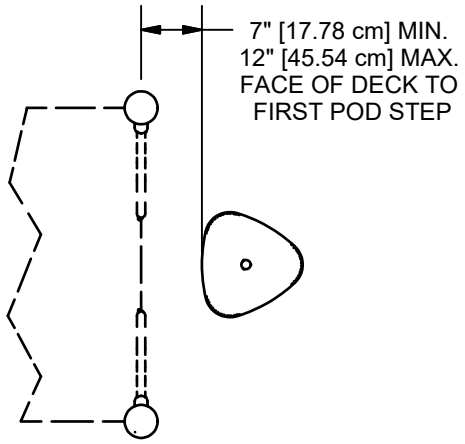
***NOTE:*** All weights are based on average comparisons of each part.

***SPECIFICATIONS:*** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

# SET-UP INSTRUCTIONS

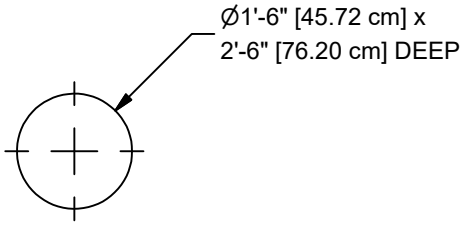
NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMERS FILE FOR FUTURE REFERENCE
NOTE: Do not over tighten bolts. To over tighten may cause buckling or dimpling of some parts.
NOTE: Read installation instructions thoroughly before starting assembly. Pour Concrete only after final assembly is complete. Bracing material may be required during assembly.
NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.
NOTE: apply construction adhesive or rubber glue to Rubber Plug when installing.
NOTE: Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.
NOTE: Due to extremes in weather and soil conditions, holes size may have to be increased to meet local conditions.

STEP 1: Dig required hole. See Ground Plan for correct shape and size.
STEP 2: Insert the Plug into the Pod and fasten the Pod to the Post using Detail 168.
STEP 3: Fasten the carriage bolt to the Post as an anchoring devise, using Detail 302.
STEP 4: Tighten all connections. Plumb and level the Pod and pour concrete. ALLOW THE CONCRETE TO SET AT LEAST 72 HOURS BEFORE USE.
Note: After Installation, the Pod height should be 1'-0" [30.48 cm], 2'-0" [60.96 cm] or 2'-6" [76.20 cm] above the protective surfacing.
NOTE: We suggest you retighten all bolts after the unit has been used three to four days.
NOTE: Loctite (supplied by others) should be used on all threaded hardware.




***TOP VIEW***

PODS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT PODS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT PODS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT PODS ARE AT DIFFERENT HEIGHTS.




CONCRETE REQUIRED
.10 CUBIC YARDS
[.08 CUBIC METERS]

***GROUND PLAN***

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THEN 1'-0" [30.48 cm] OF SURFACING IS REQUIRED. MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING.

HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE TYPICAL FOOTING DETAIL. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**NOTE:**

**SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI**

| Parts List | | | | | |
|---|---|---|---|---|---|
| REF. | DESCRIPTION | 6232 | 6233 | 6236 | PART NUMBER |
| 1 | MINI POD | 1 | 1 | 1 | 176364 |
| 2 | POST WELD ASS'Y | 1 | 0 | 0 | 205169 |
| 2 | POST WELD ASS'Y | 0 | 1 | 0 | 205172 |
| 2 | POST WELD ASS'Y | 0 | 0 | 1 | 209319 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 205176 |
| 3 | PLUG TOP | 1 | 1 | 1 | 176441* |
| | 3/8" x 1" B.H.C.S. | 4 | 4 | 4 | 811050* |
| | 3/8" FLAT WASHER | 4 | 4 | 4 | 817410* |
| | 3/8" LOCK WASHER | 4 | 4 | 4 | 817334* |
| | 3/8" HEX NUT | 1 | 1 | 1 | 804053* |
| | 3/8" x 6" HEX HEAD BOLT | 1 | 1 | 1 | 801021* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

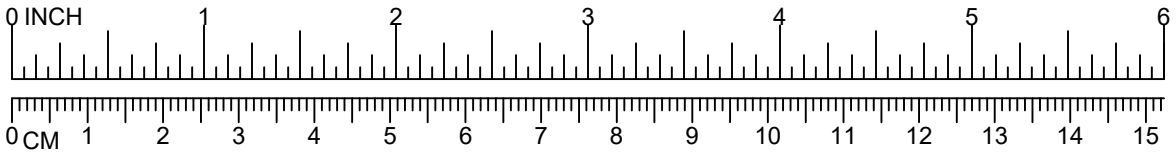
# DETAILS -for-
# 6232, 6233 & 6236

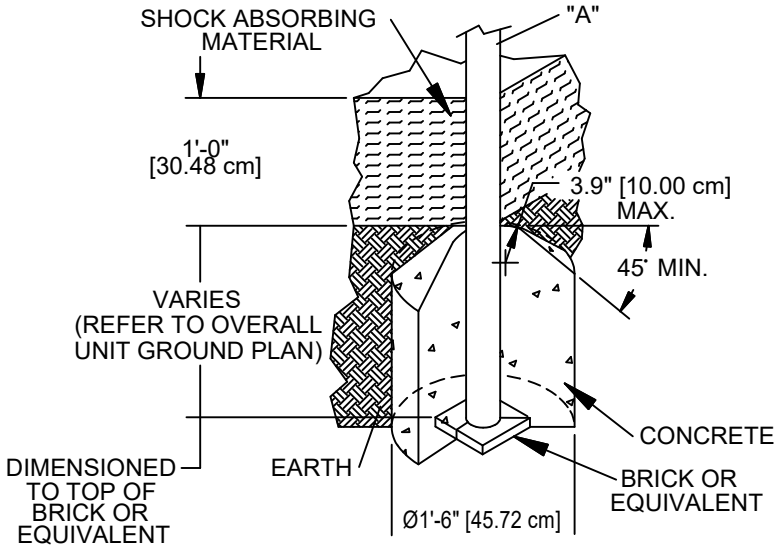
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

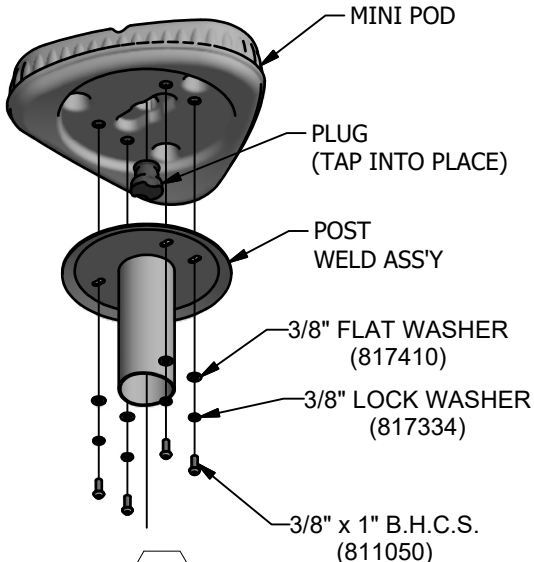



NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




168

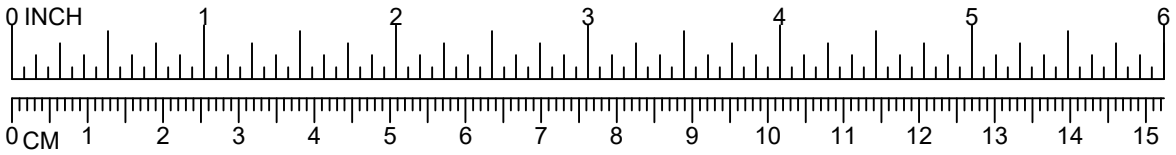
# DETAILS -for-
# 6232, 6233 & 6236

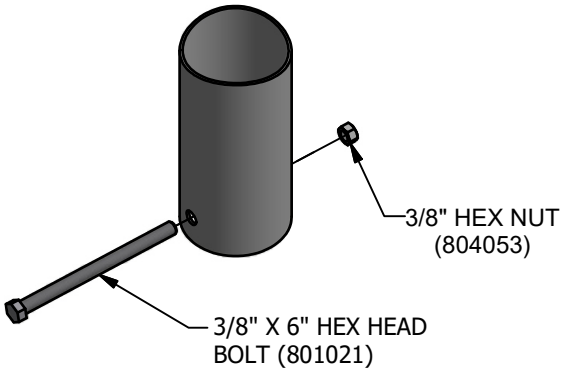
*I*MPORTANT

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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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1-800-235-2440

# 6237

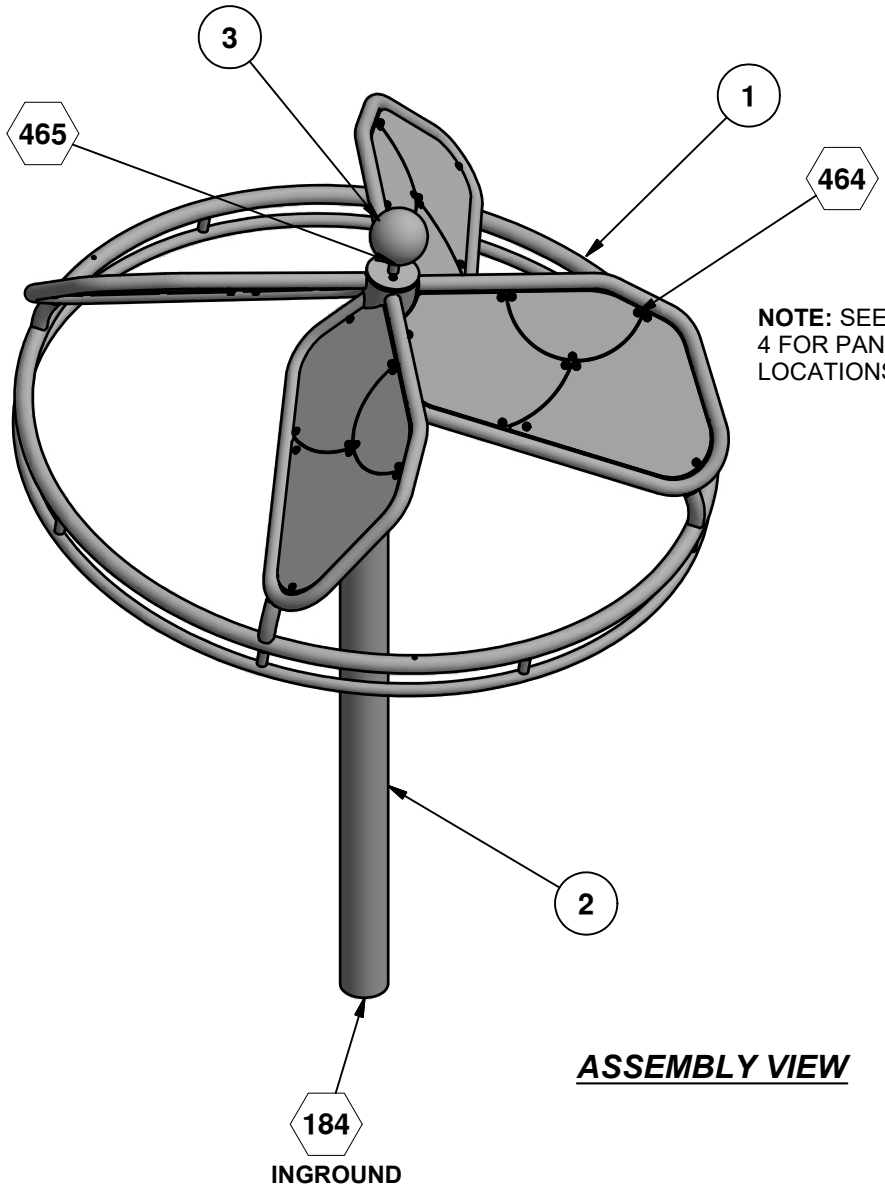
# SHADOWPLAY®
# SKYRUNNER®

**ISSUED/REVISED: 9/21/2021**

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

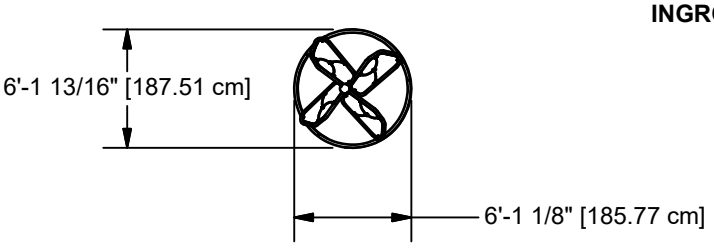
This play equipment is designed for
CHILDREN
5 TO 12
YEARS OLD
Adult supervision is recommended
Enriching Childhood Through Play.™
www.gametime.com



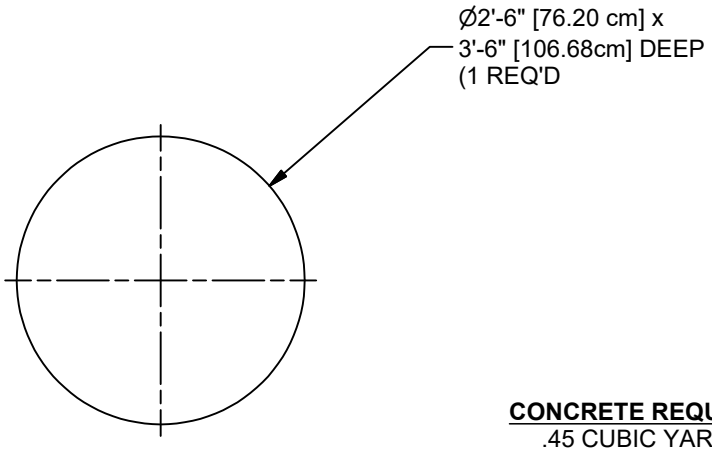

**NOTE:** SEE PAGE 4 FOR PANEL LOCATIONS

**INGROUND**

***ASSEMBLY VIEW***




***TOP VIEW***




**CONCRETE REQUIRED**
.45 CUBIC YARDS
[.35 CUBIC METERS]

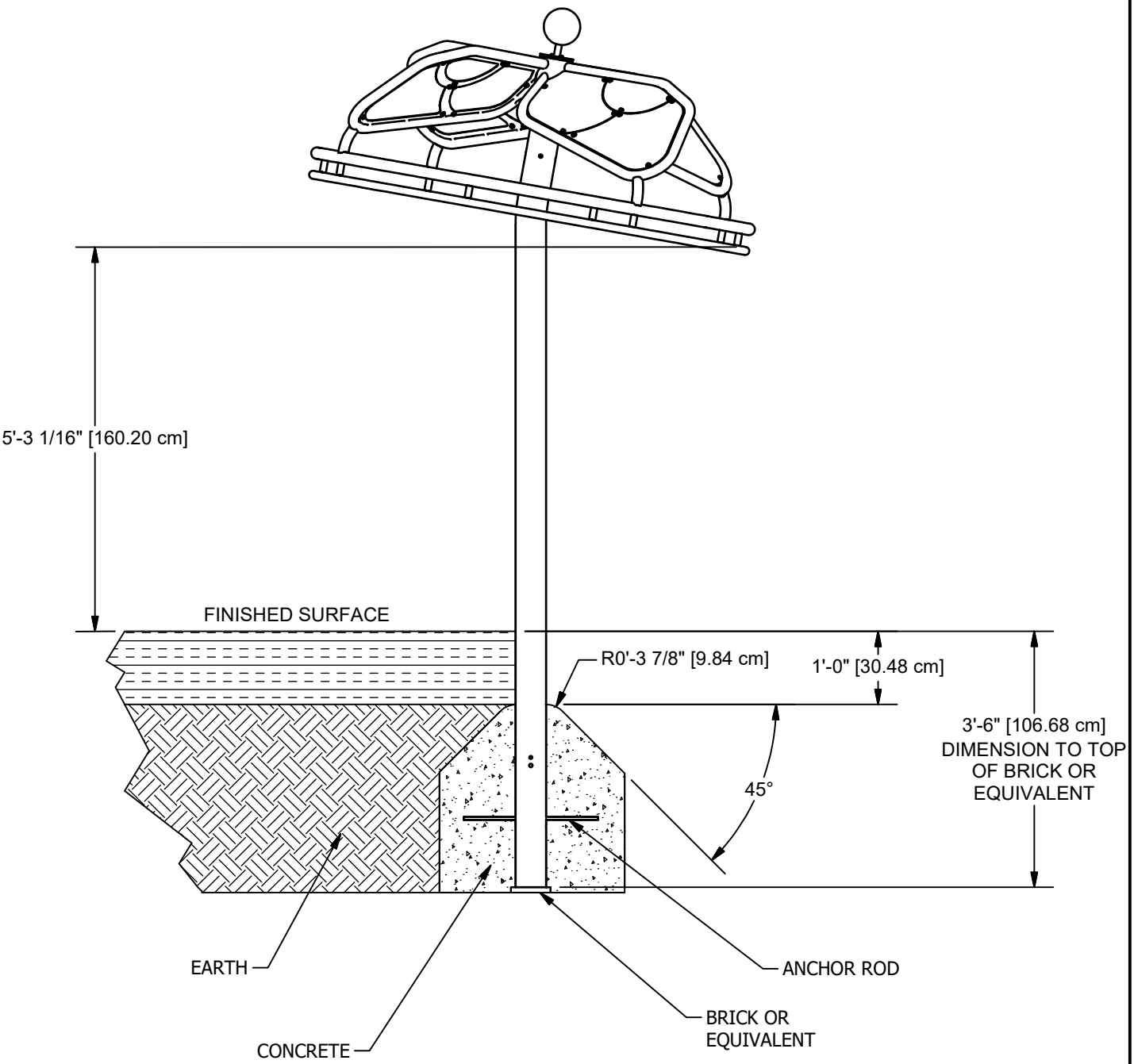
| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | BEARING ASS'Y | 1 | 210705 |
| 2 | UPRIGHT POST WELD ASS'Y | 1 | 177351 |
| 3 | FINIAL | 1 | 177367 |
| 4 | TRANSPARENT ACRYLIC DARK BLUE OUTER PANEL | 1 | 210694 |
| 5 | TRANSPARENT ACRYLIC RED OUTER PANEL | 1 | 210693 |
| 6 | TRANSPARENT ACRYLIC ORANGE OUTER PANEL | 1 | 210696 |
| 7 | TRANSPARENT ACRYLIC LIGHT BLUE OUTER PANEL | 1 | 210695 |
| 8 | TRANSPARENT ACRYLIC ORANGE INNER PANEL | 1 | 210692 |
| 9 | TRANSPARENT ACRYLIC LIGHT BLUE INNER PANEL | 1 | 210689 |
| 10 | TRANSPARENT ACRYLIC YELLOW INNER PANEL | 1 | 210691 |
| 11 | TRANSPARENT ACRYLIC GREEN INNER PANEL | 1 | 210690 |
| 12 | TRANSPARENT ACRYLIC RED SMALL PANEL | 1 | 210700 |
| 13 | TRANSPARENT ACRYLIC DARK BLUE SMALL PANEL | 1 | 210699 |
| 14 | TRANSPARENT ACRYLIC GREEN SMALL PANEL | 1 | 210697 |
| 15 | TRANSPARENT ACRYLIC YELLOW SMALL PANEL | 1 | 210698 |
| | ***HARDWARE COMPLETE*** | 1 | 210742 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 812050* |
| | 3/8" LOCKWASHER | 2 | 817334* |
| | 5/16" x 3/4" P.B.H.C.S. w/Patch | 44 | 812040* |
| | 5/16" FLATWASHER (3/4" O.D.) | 88 | 817404* |
| | 5/16" LOCK WASHER | 44 | 817330* |
| | 5/16" LOCKNUT | 44 | 804359* |
| | 22" ANCHOR ROD | 2 | 156063* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

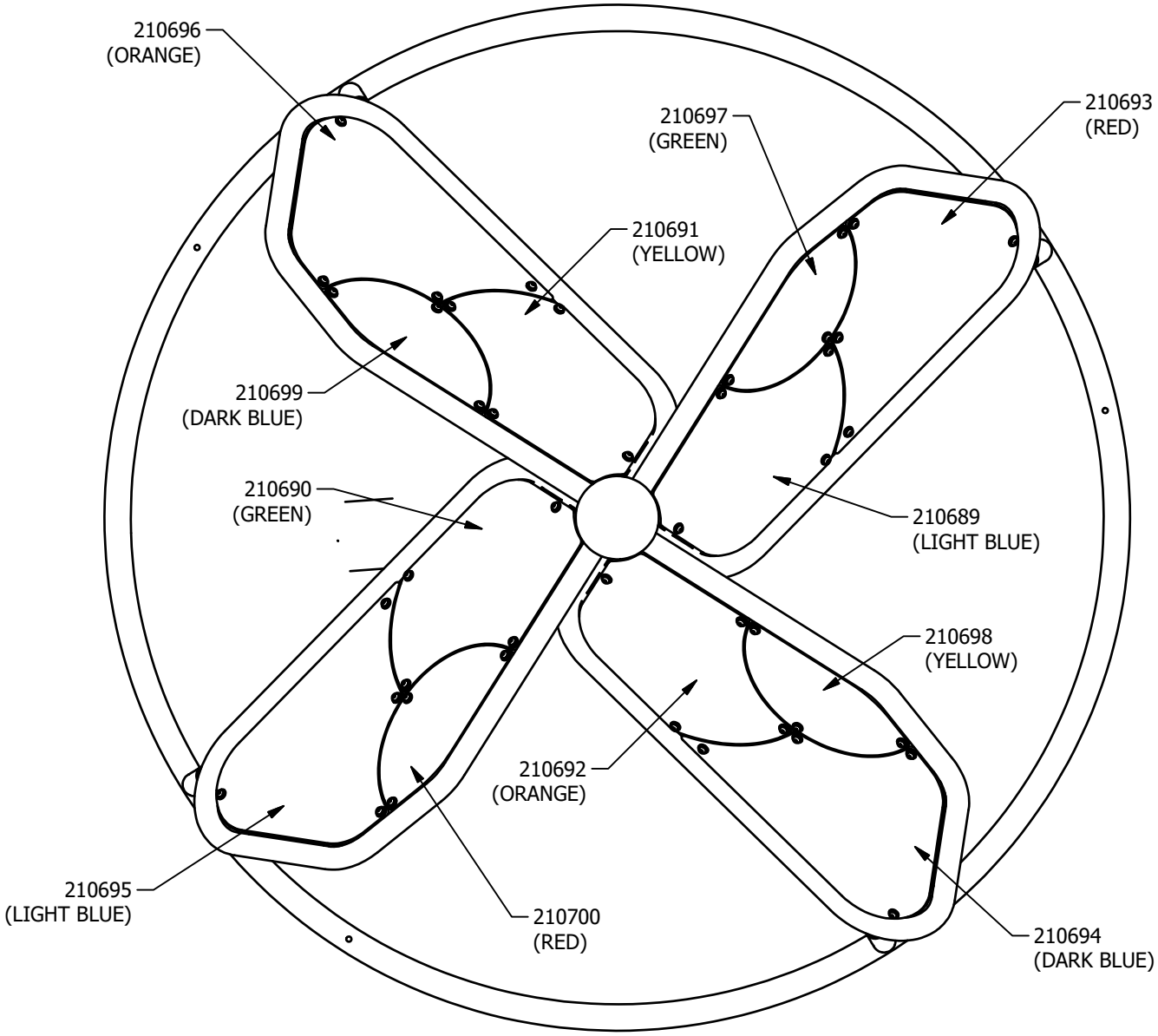
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***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING.

CONCRETE REQUIREMENTS:
APPROXIMATELY .45 CUBIC YARDS
9.35 CUBIC METERS) OF CONCRETE REQUIRED.
SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI
SLOPED FOOTING IS A REQUIREMENT OF
EUROPEAN STANDARD EN11761-1.




***FOOTING DETAIL***




***ACRYLIC PANEL DETAIL***

(SOME LINES OMITTED FOR CLARITY)

# ***INSTALLATION INSTRUCTIONS***

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

***NOTE:*** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***STEP 1:*** Dig required hole and place a brick or equivalent at the bottom of holes (where shown) to provide a solid foundation. Allow for this in hole depth. See Footing Detail.

***STEP 2:*** Attach the handhold assembly and the finial. Refer to detail # 465.

***STEP 3:*** Attach acrylic panels onto the handhold assembly. Refer to detail # 464.

***STEP 4:*** Place anchor rods in the holes in lower end of the upright post weld assembly. Refer to detail 184. Place assembly in hole. See Footing Detail.

***STEP 5:*** Check and make sure the upright is vertical and plumb. Make adjustments as required.

***STEP 6:*** Pour concrete to within 1'-0" [30.48cm] of ground level and fill remaining with compacted subgrade and surfacing. Allow a minimum of 48 hours for concrete to cure and harden before using. Refer to Footing Detail.

# ***SPECIFICATIONS***

***UPRIGHT SUPPORTS:*** The Upright Supports shall be constructed of 5" O.D. X (Heavy Wall: 0.1875) galvanized pipe. The Upright Support Assemblies shall be welded constructions and coated with a custom formula of TGIC polyester powder coating after fabrication.

***BEARING SYSTEM:*** Shall be fabricated from 5.500" o.d. x .500" wall D.O.M. MEC. tube and 3/16" H.R. steel plate. Two bearings shall be press fit into the weld assembly. Hub Bearing shall be an all welded assembly and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication

***HANDHOLD ASSEMBLY:*** Shall constructed of formed 1 ¼" L.W. galvanized pipe (1.66 O.D.), 1 ½" L.W. galvanized pipe (1.9" O.D), and 1.029" O.D. galvanized pipe. The Overhead Assembly shall be welded constructions and coated with a custom formula of TGIC polyester powder coating after fabrication. ***FINIAL:*** Shall be an all welded assembly fabricated with a 6" diameter 11 gauge H.R. steel ball, 3/16" thick H.R. steel plate, and 1.029" O.D. galvanized pipe.

***HARDWARE***: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***POWDER COAT FINISH:*** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68),

***SPECIFICATIONS***: *GAMETIME*® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

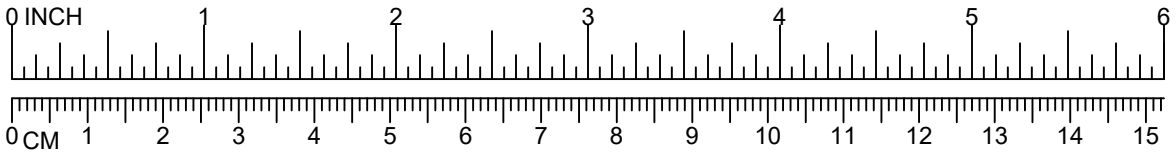
# DETAILS -for-
# 6237

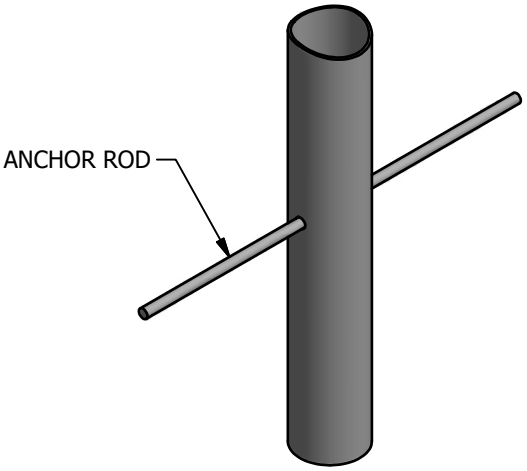
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




184

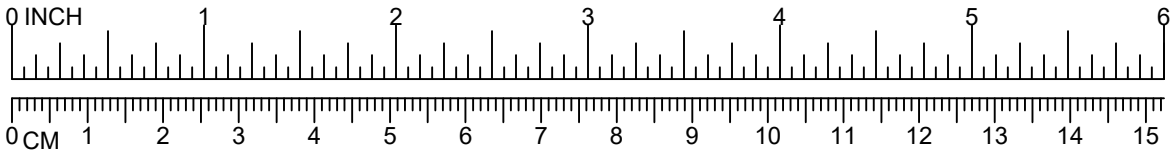
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# 6237

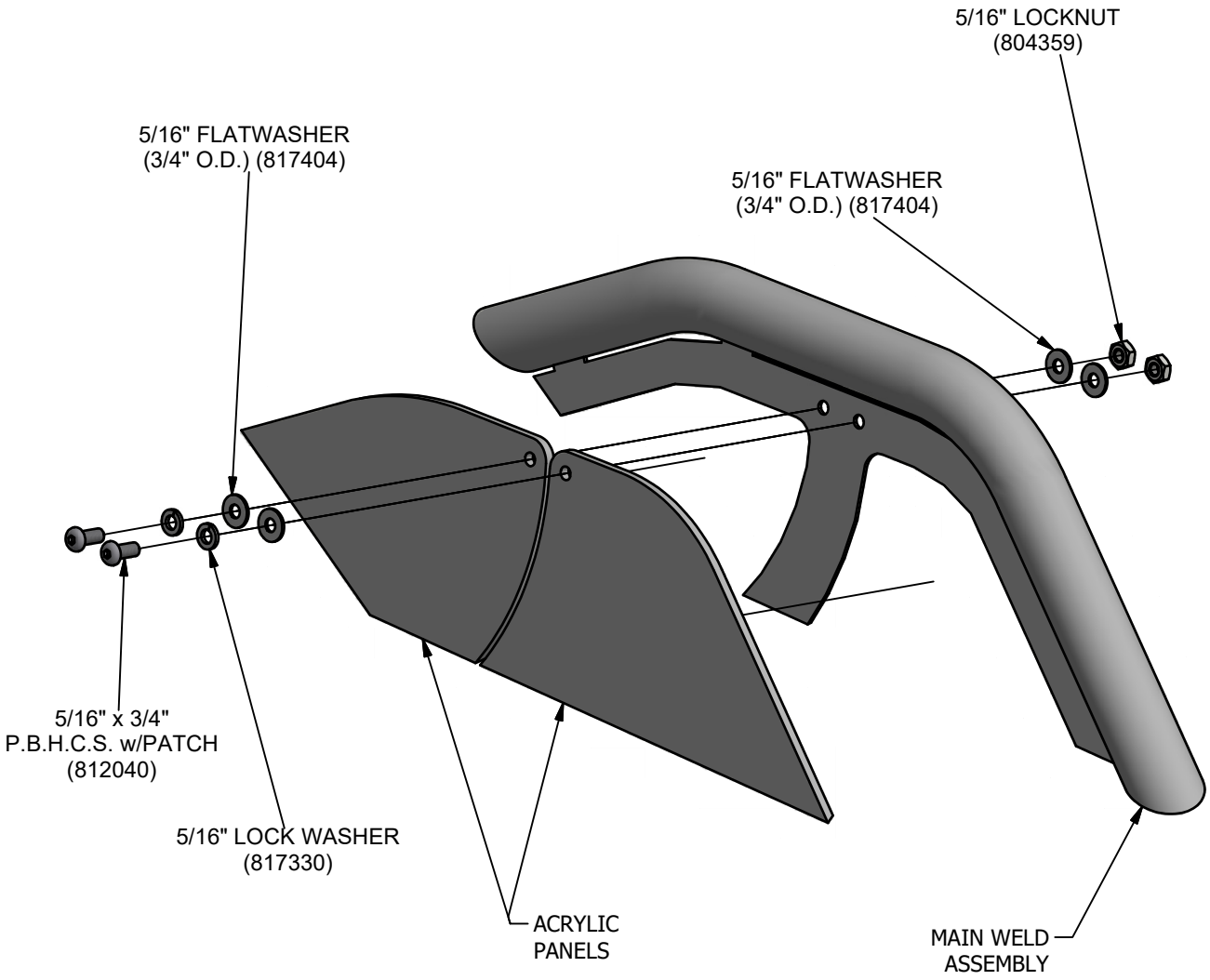
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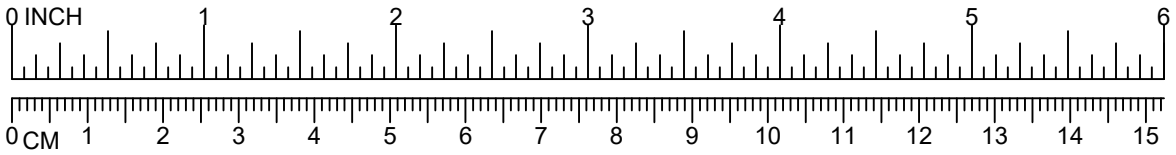
# DETAILS -for-
# 6237

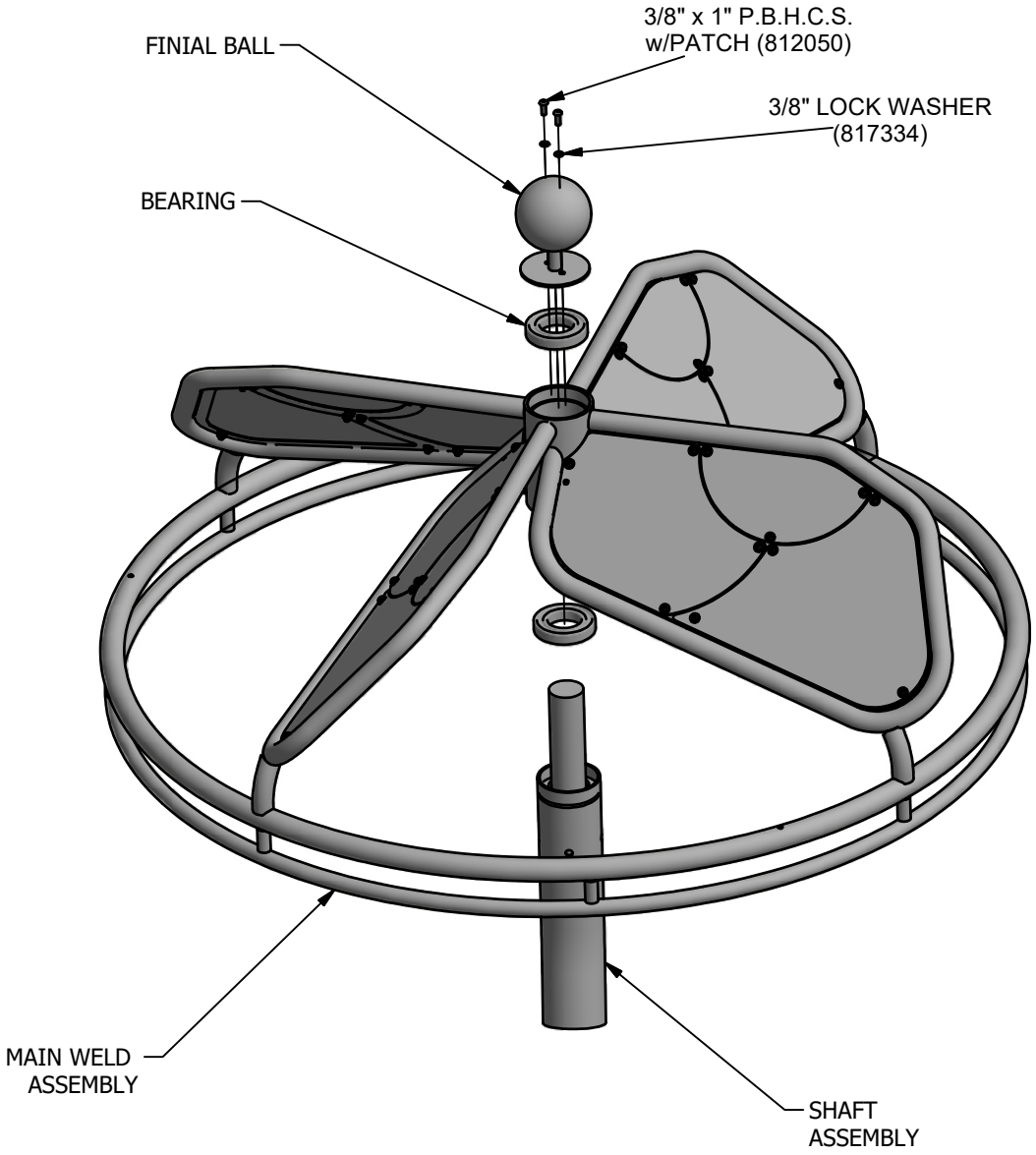
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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1-800-235-2440

# 6238

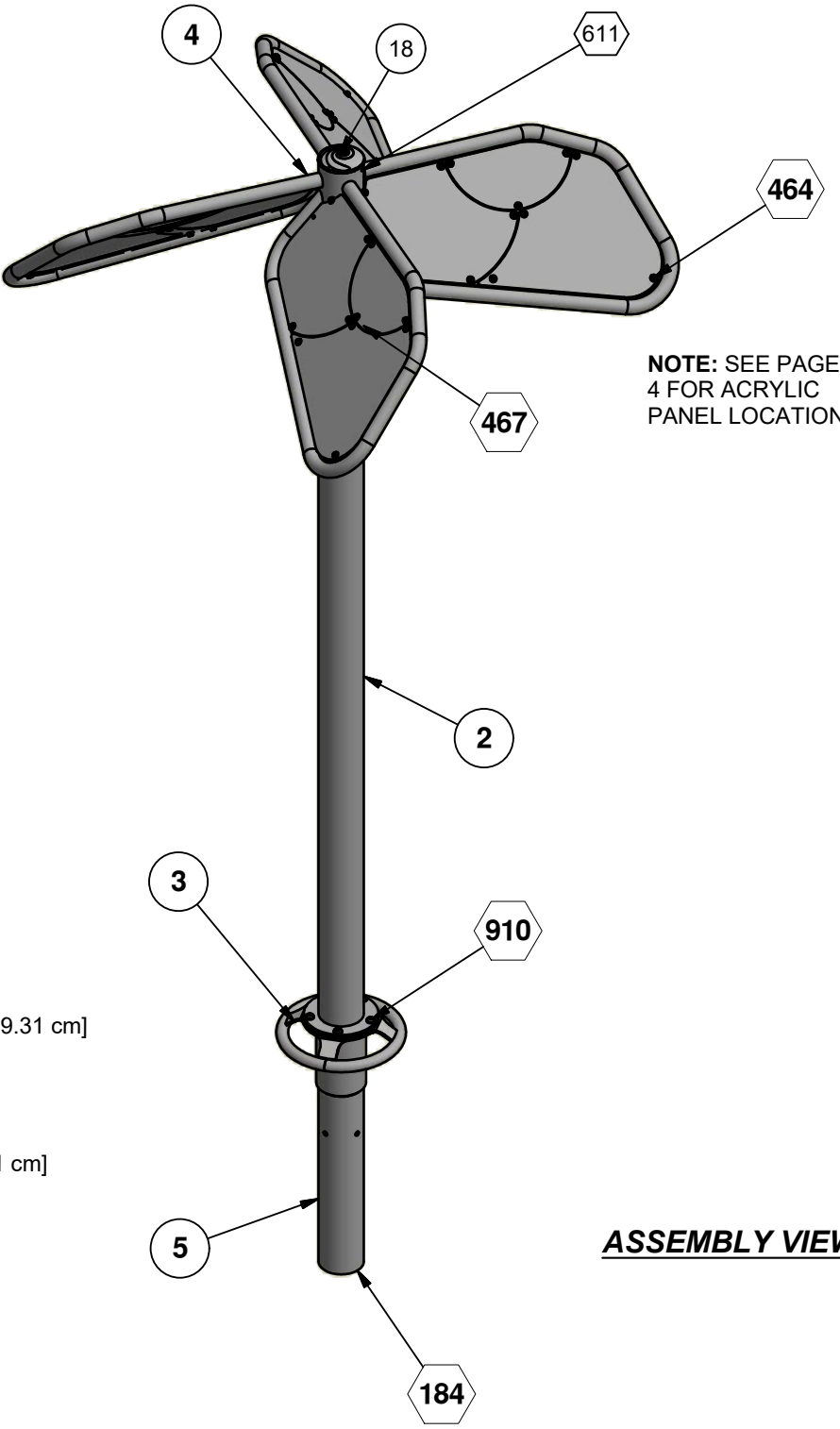
# SHADOWPLAY® FLOWER

**ISSUED/REVISED: 10/10/2022**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

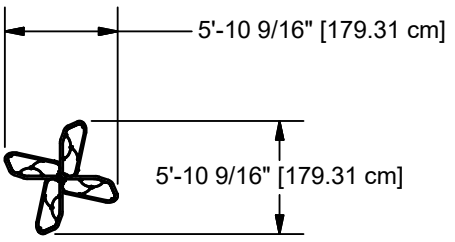


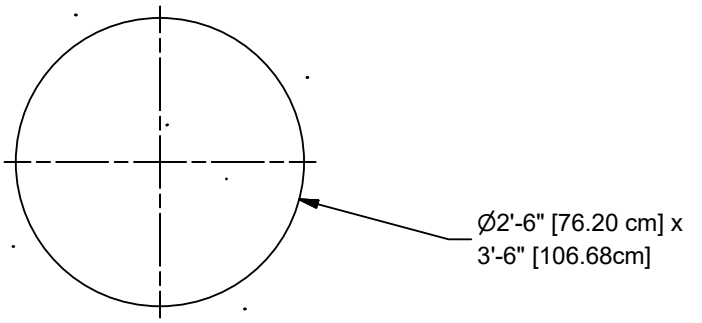

**NOTE:** SEE PAGE 4 FOR ACRYLIC PANEL LOCATIONS

***ASSEMBLY VIEW***

**INGROUND**




***TOP VIEW***

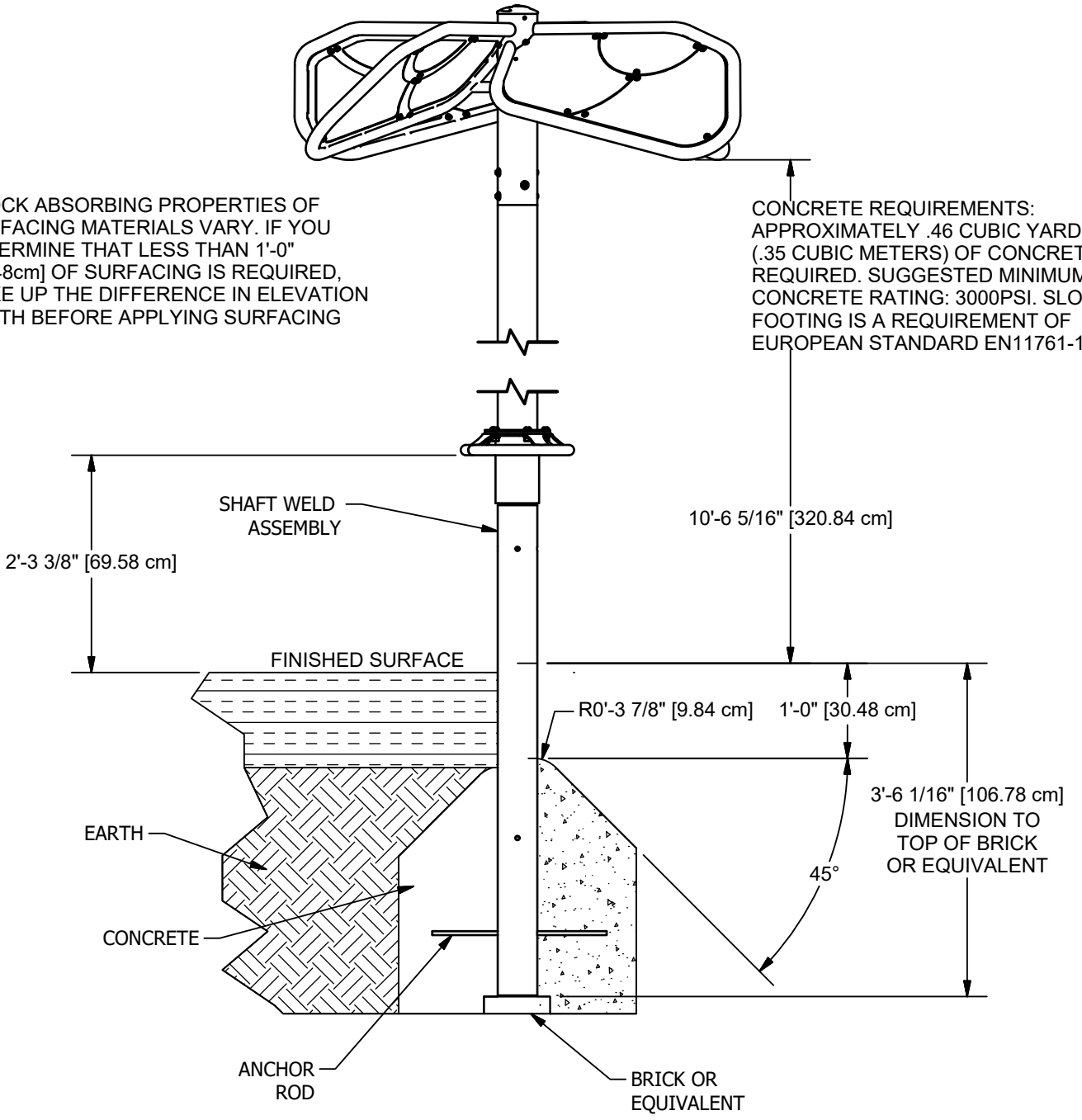



## *GROUND PLAN*

**CONCRETE REQUIRED**
.46 CUBIC YARDS
[.35 CUBIC METERS]

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION EARTH BEFORE APPLYING SURFACING

CONCRETE REQUIREMENTS: APPROXIMATELY .46 CUBIC YARDS (.35 CUBIC METERS) OF CONCRETE REQUIRED. SUGGESTED MINIMUM CONCRETE RATING: 3000PSI. SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN11761-1.




## FOOTING DETAIL

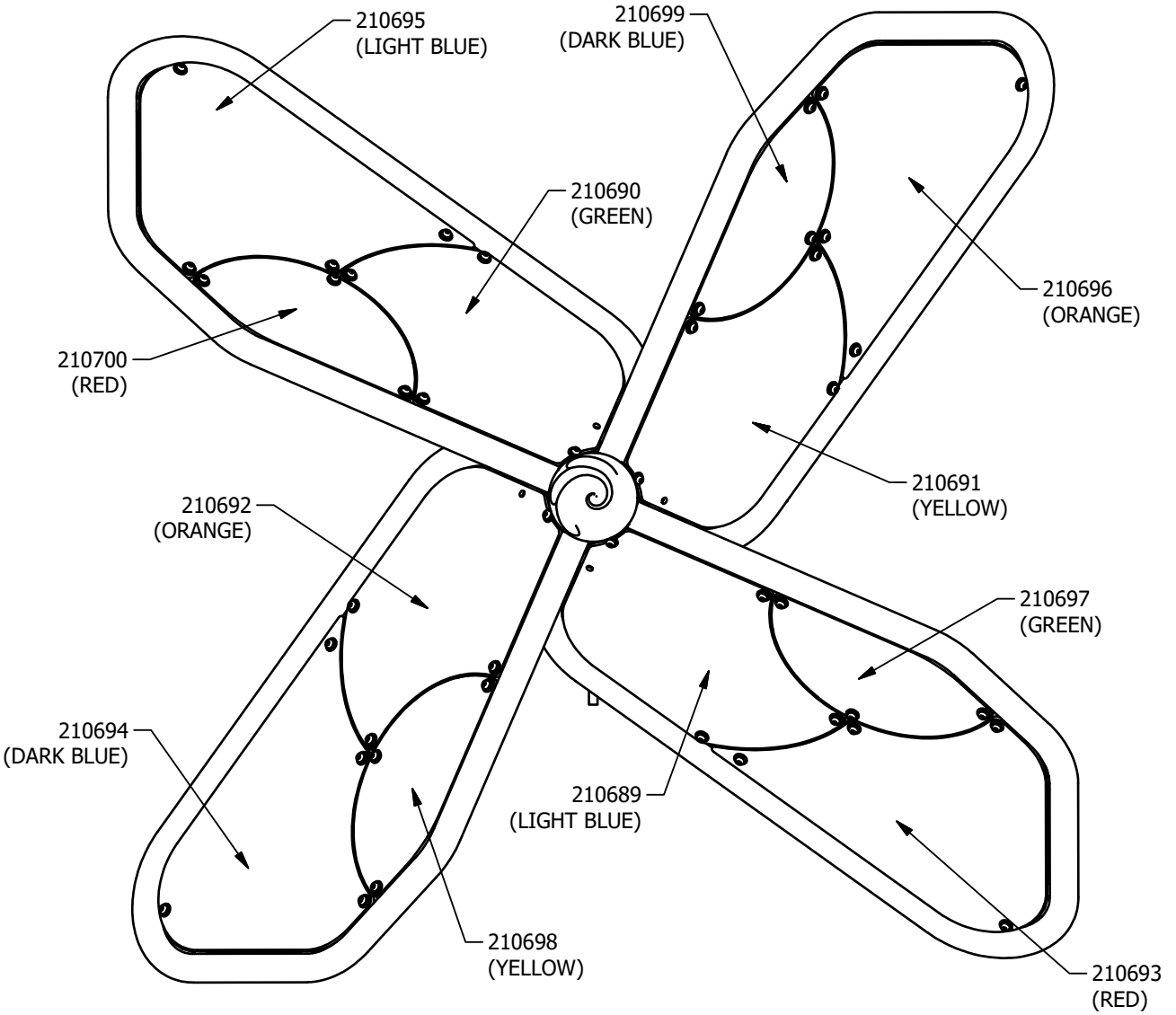
| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | HUB BEARING ASS'Y | 1 | 220563 |
| 2 | UPRIGHT WELD ASS'Y | 1 | 220571 |
| 3 | HANDHOLD ASSEMBLY | 1 | 220568 |
| 4 | SKY FLOWER ASS'Y | 1 | 210932 |
| 5 | SHAFT WELD ASS'Y | 1 | 210625 |
| 6 | TRANSPARENT ACRYLIC LIGHT BLUE INNER PANEL | 1 | 210689 |
| 7 | TRANSPARENT ACRYLIC RED OUTER PANEL | 1 | 210693 |
| 8 | TRANSPARENT ACRYLIC YELLOW INNER PANEL | 1 | 210691 |
| 9 | TRANSPARENT ACRYLIC GREEN INNER PANEL | 1 | 210690 |
| 10 | TRANSPARENT ACRYLIC ORANGE INNER PANEL | 1 | 210692 |
| 11 | TRANSPARENT ACRYLIC DARK BLUE SMALL PANEL | 1 | 210699 |
| 12 | TRANSPARENT ACRYLIC DARK BLUE OUTER PANEL | 1 | 210694 |
| 13 | TRANSPARENT ACRYLIC YELLOW SMALL PANEL | 1 | 210698 |
| 14 | TRANSPARENT ACRYLIC GREEN SMALL PANEL | 1 | 210697 |
| 15 | TRANSPARENT ACRYLIC LIGHT BLUE OUTER PANEL | 1 | 210695 |
| 16 | TRANSPARENT ACRYLIC RED SMALL PANEL | 1 | 210700 |
| 17 | TRANSPARENT ACRYLIC ORANGE OUTER PANEL | 1 | 210696 |
| 18 | SWIRL CAP | 1 | 213000 |
| | ***HARDWARE COMPLETE*** | 1 | 220575 |
| | 5/16" x 3/4" P.B.H.C.S. w/PATCH | 44 | 812040* |
| | 5/16" FLATWASHER (3/4" O.D.) | 88 | 817404* |
| | 5/16" LOCK WASHER | 44 | 817330* |
| | 5/16" LOCKNUT | 44 | 804359* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | 3/8" x 5" P.B.H.C.S. w/PATCH | 3 | 812078* |
| | 3/8" FLAT WASHER (1" O.D.) | 3 | 817401* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" BARREL NUT | 3 | 804804* |
| | 3/8" LOCK WASHER | 5 | 817334* |
| | 1/2" x 1 1/2" B.H.C.S. | 5 | 811073* |
| | 1/2" LOCKWASHER | 5 | 817342* |
| | 1/2" LOCKNUT | 5 | 804355* |
| | 9/16" FLATWASHER | 10 | 817470* |
| | 22" ANCHOR ROD | 2 | 156063* |
| | 3/16" x 13/32" DRIVE RIVET | 2 | 805366* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




***ACRYLIC PANEL LOCATIONS***

# ***INSTALLATION INSTRUCTIONS***

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

***NOTE:*** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***STEP 1:*** Dig required hole and place a brick or equivalent at the bottom of holes (where shown) to provide a solid foundation. Allow for this in hole depth. See Footing Detail.

***STEP 2:*** Attach the acrylic panels to the top weld assembly. Refer to detail # 464.

***STEP 3:*** Attach the top weld assembly onto the upright. Refer to detail # 467

***STEP 4:*** Attach the Upright Assembly, Handhold Assembly and Hub Bearing Assembly to the Shaft Assembly using Detail 910.

***STEP 5:*** Place anchor rods in the holes in lower end of the upright post weld assembly. Refer to detail 184. Place assembly in hole. See Footing Detail.

***STEP 6:*** Check and make sure the upright is vertical and plumb. Make adjustments as required.

***STEP 7:*** Pour concrete to within 1'-0" [30.48cm] of ground level and fill remaining with compacted subgrade and surfacing. Allow a minimum of 48 hours for concrete to cure and harden before using. Refer to Footing Detail.

## ***SPECIFICATIONS***

***UPRIGHT ASSEMBLY & FOOTING UPRIGHT:*** The Upright Supports shall be constructed of 5" O.D. X (Heavy Wall: 0.1875) galvanized pipe, ¼" thick plate. The Upright assembly shall be welded constructions and coated with a custom formula of TGIC polyester powder coating after fabrication.

***HANDHOLD ASSEMBLY:*** Shall be an all welded assembly consisting of 1/4" thick steel and 1.315" O.D. Pipe. The Handhold Assembly shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

***BEARING SYSTEM:*** Shall be fabricated from 5.500" o.d. x .500" wall D.O.M. MEC. tube and 3/16" H.R. steel plate. Two bearings shall be press fit into the weld assembly. Hub Bearing shall be an all welded assembly and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication

***TOP WELD ASSEMBLY:*** Shall be constructed 5" O.D. L.W. galvanized pipe, formed 1 ¼" L.W. galvanized pipe (1.66 O.D.), The Overhead Assembly shall be welded constructions and coated with a custom formula of TGIC polyester powder coating after fabrication.

***HARDWARE***: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***SPECIFICATIONS***: *GAMETIME*® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

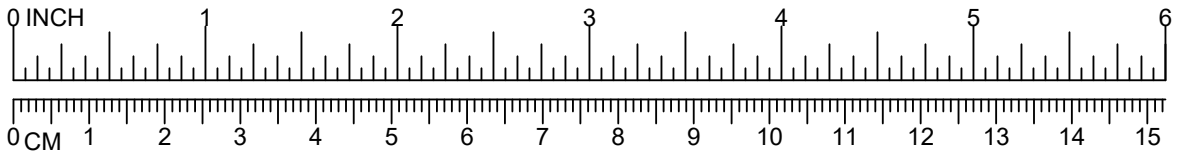
# DETAILS -for-
# 6238

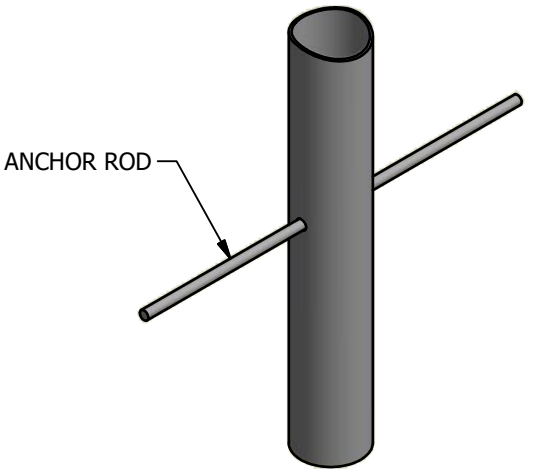
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




184

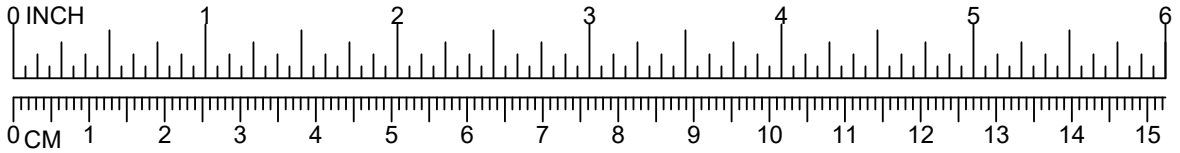
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# 6238

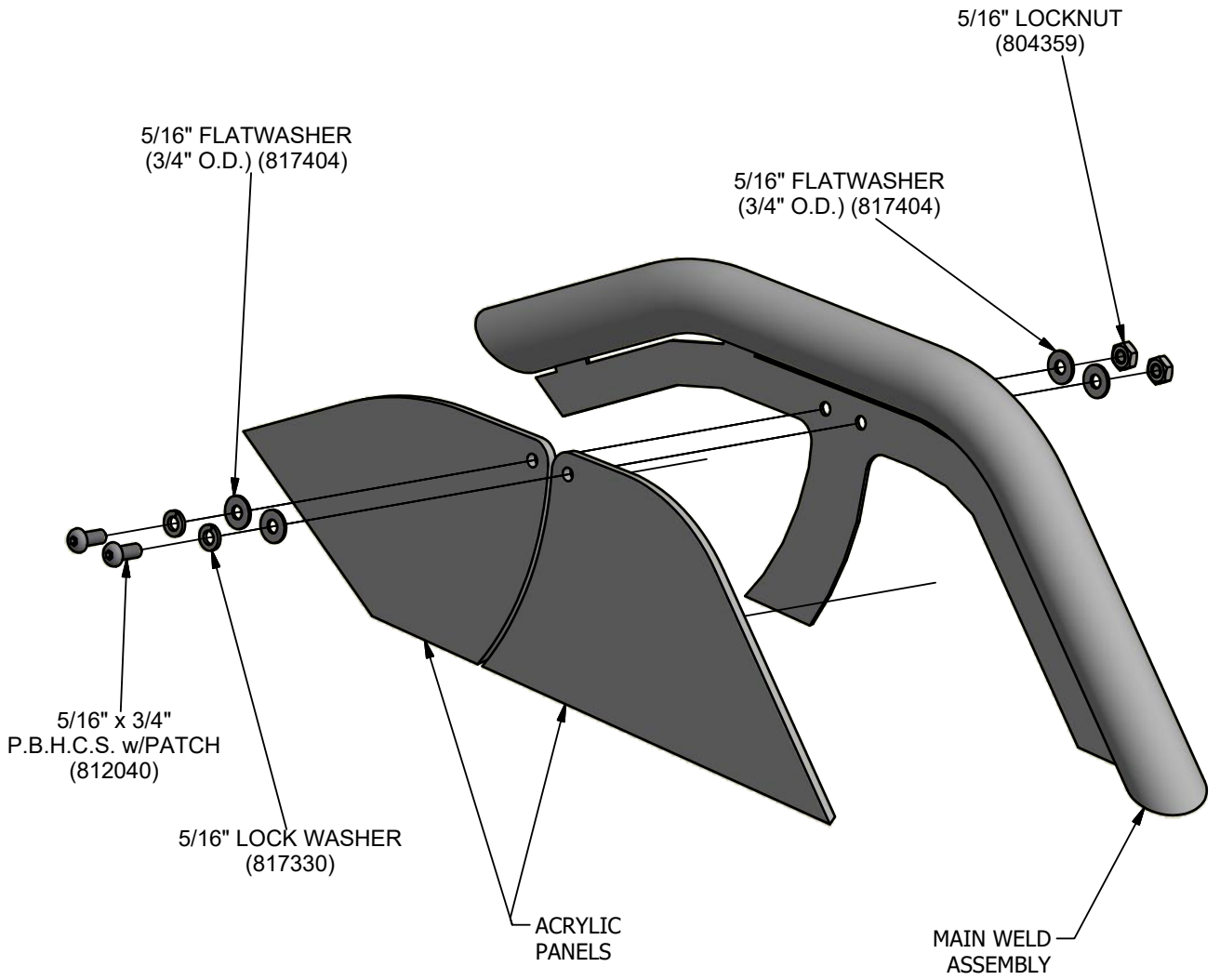
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



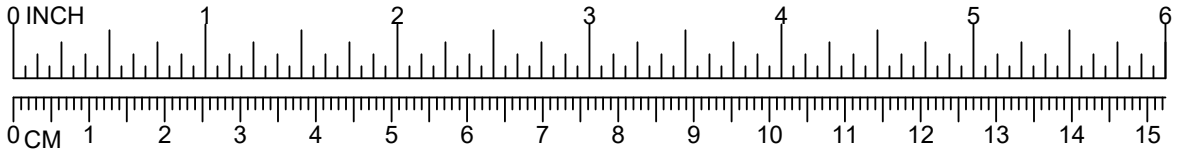
# DETAILS -for-
# 6238

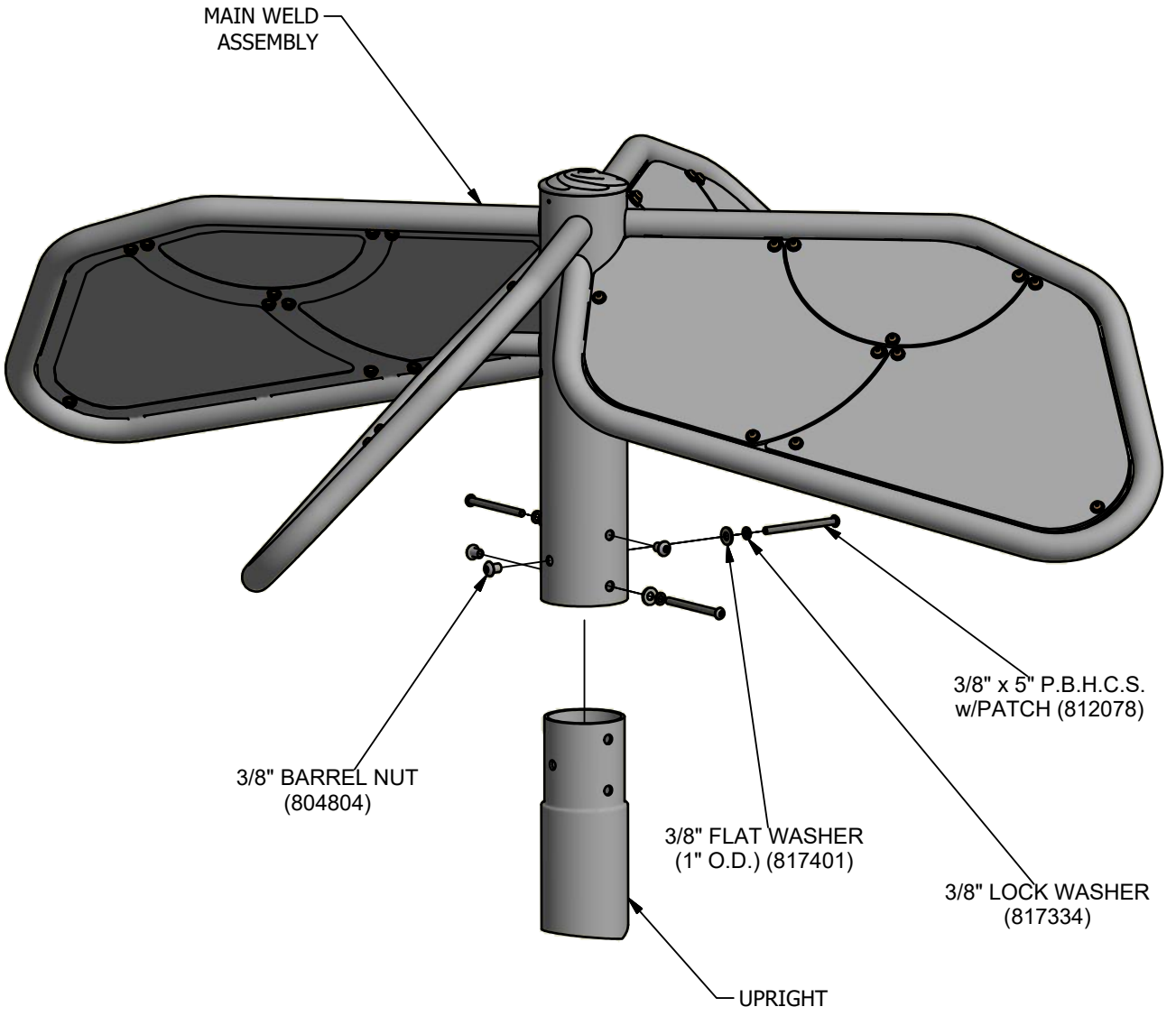
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



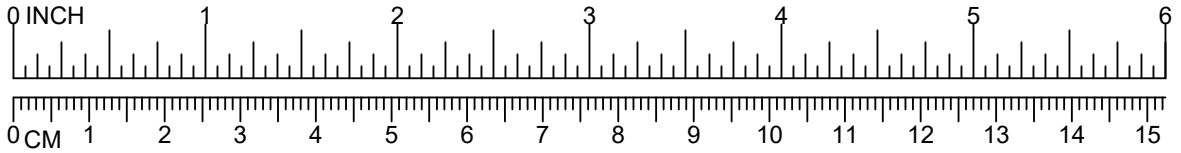
# DETAILS -for-
# 6238

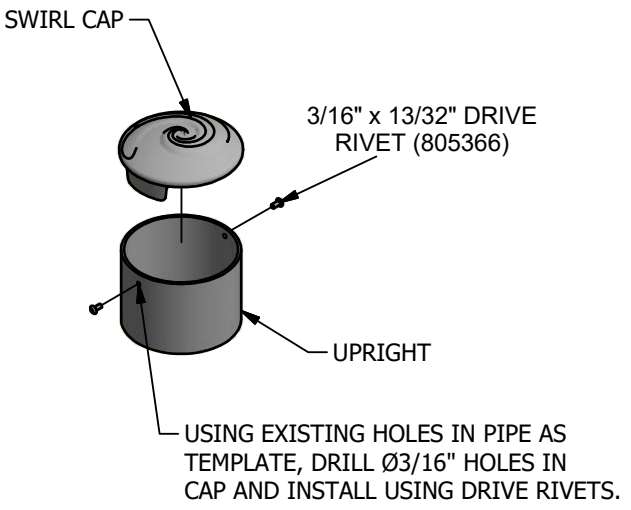
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




611

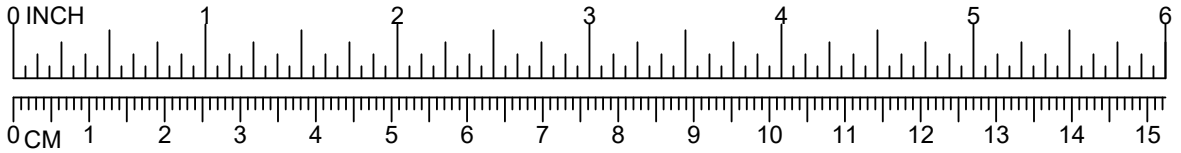
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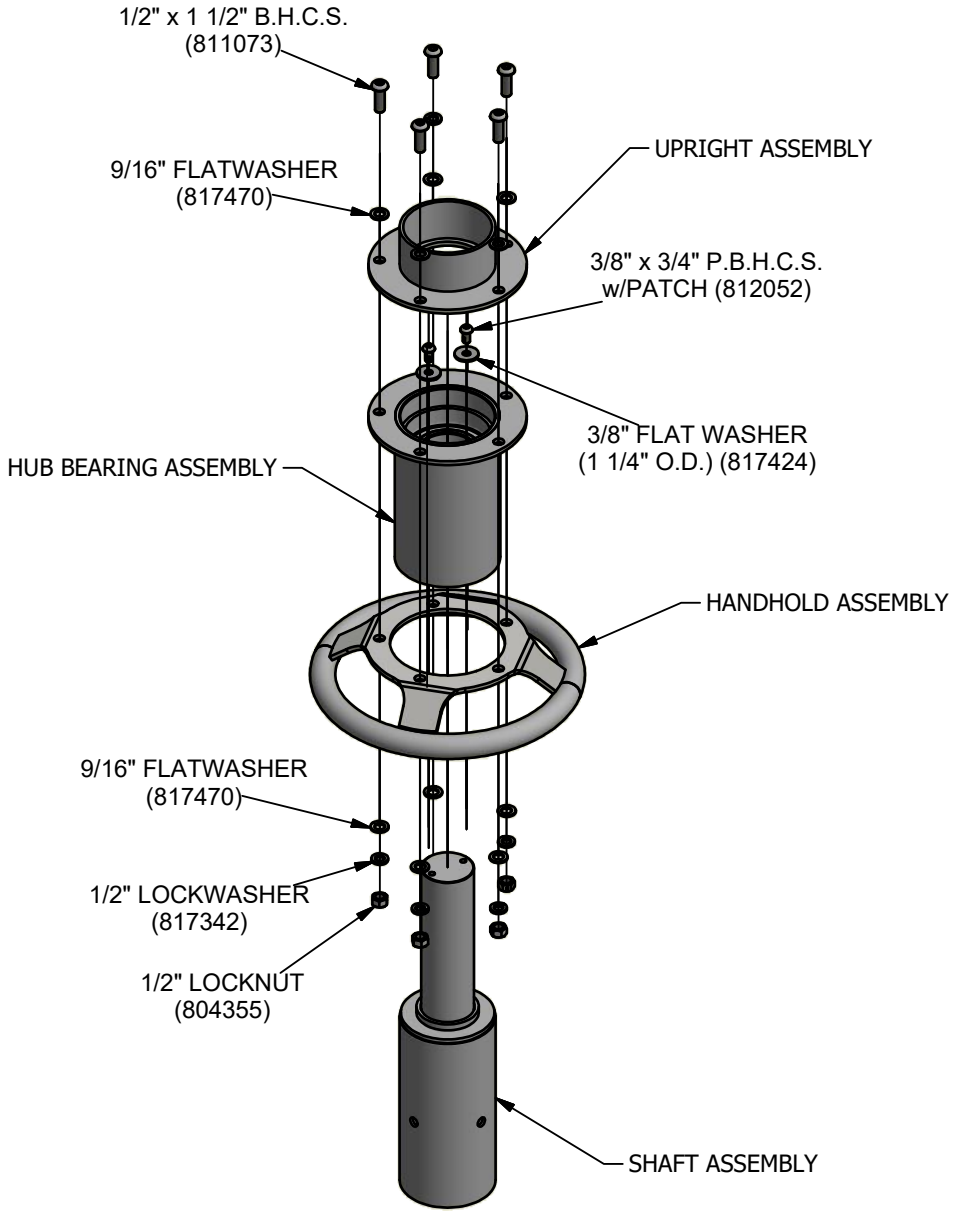
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



GameTime
A PLAYCORE Company
1-800-235-2440

# 6246

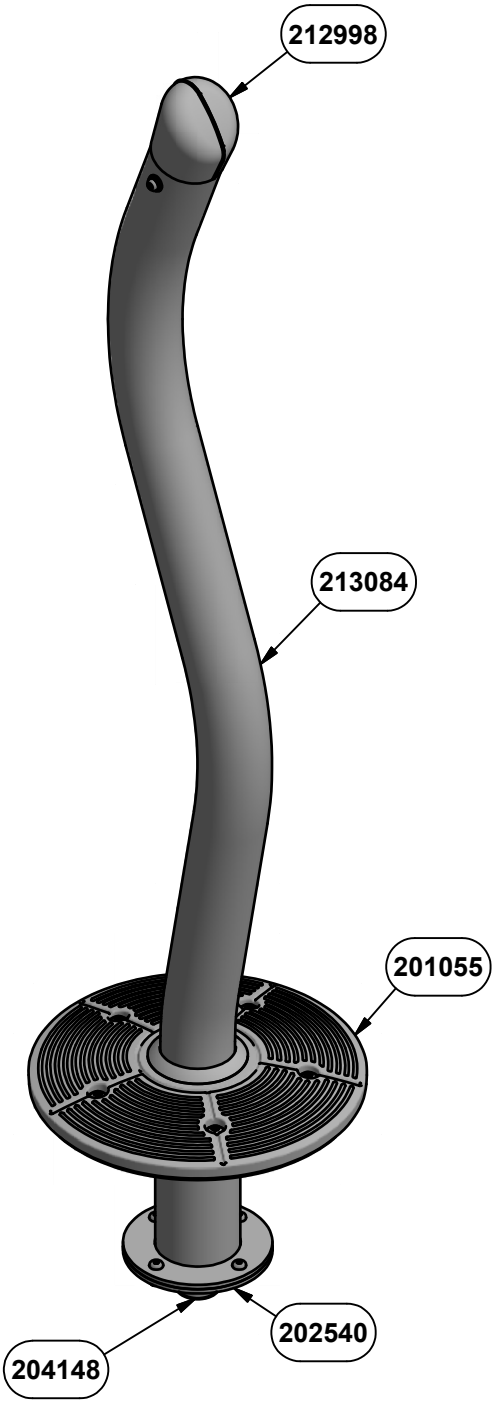
# SOLO SPINNER

**ISSUED/REVISED: 3/17/2023**




## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

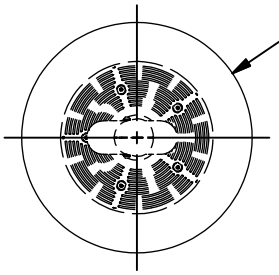



**ASSEMBLY VIEW**

- THIS PRODUCT SHALL BE INSTALLED IN A LOW-TRAFFIC AREA.

- OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF THIS PRODUCT TO COMPLY WITH ASTM F1292 AND ASTM F-1487 (U.S.) OR CAN/ CSA-Z614 (CANADA). USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) FOR THIS PRODUCT SHALL EXTEND TO 13'-8" [4.1 M] DIAMETER MINIMUM.

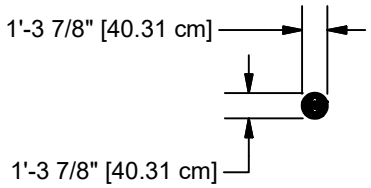
- A NO-ENCROACHMENT ZONE (REQUIRED IN CANADA) SHALL EXTEND TO 25'-8" [7.7 M] DIAMETER MINIMUM.



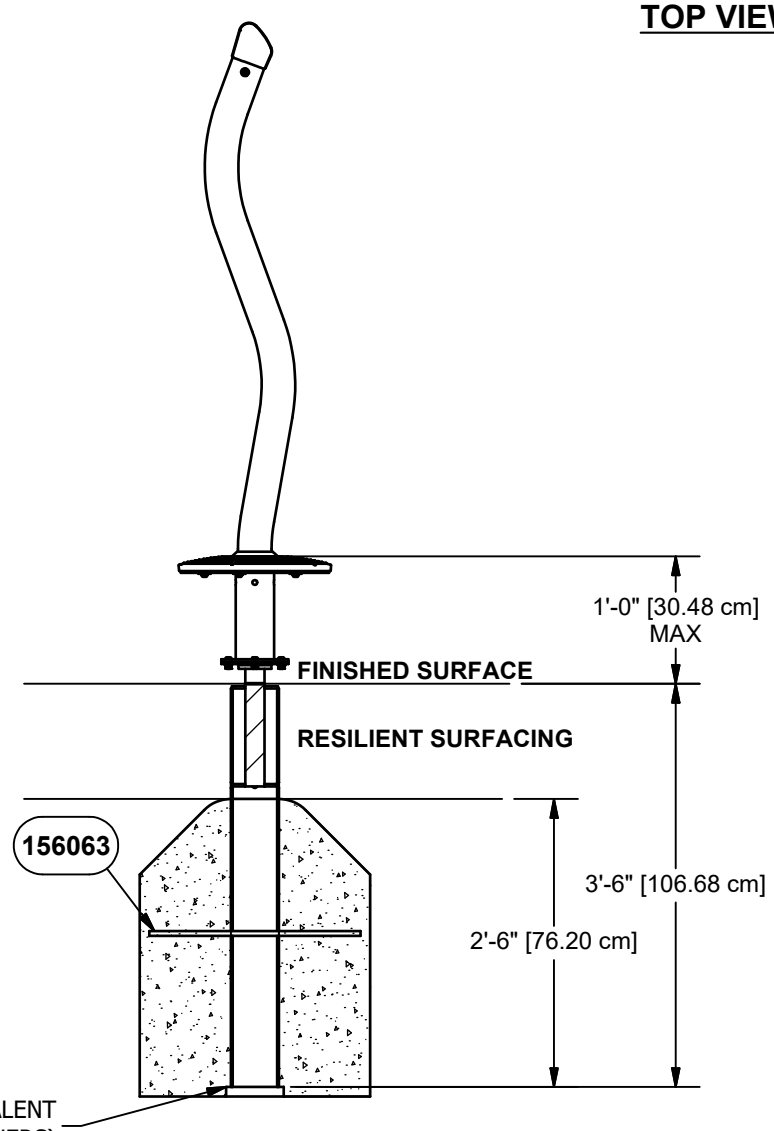

**PLAN VIEW**

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED**
.30 CUBIC YARDS
[.22 CUBIC METERS]

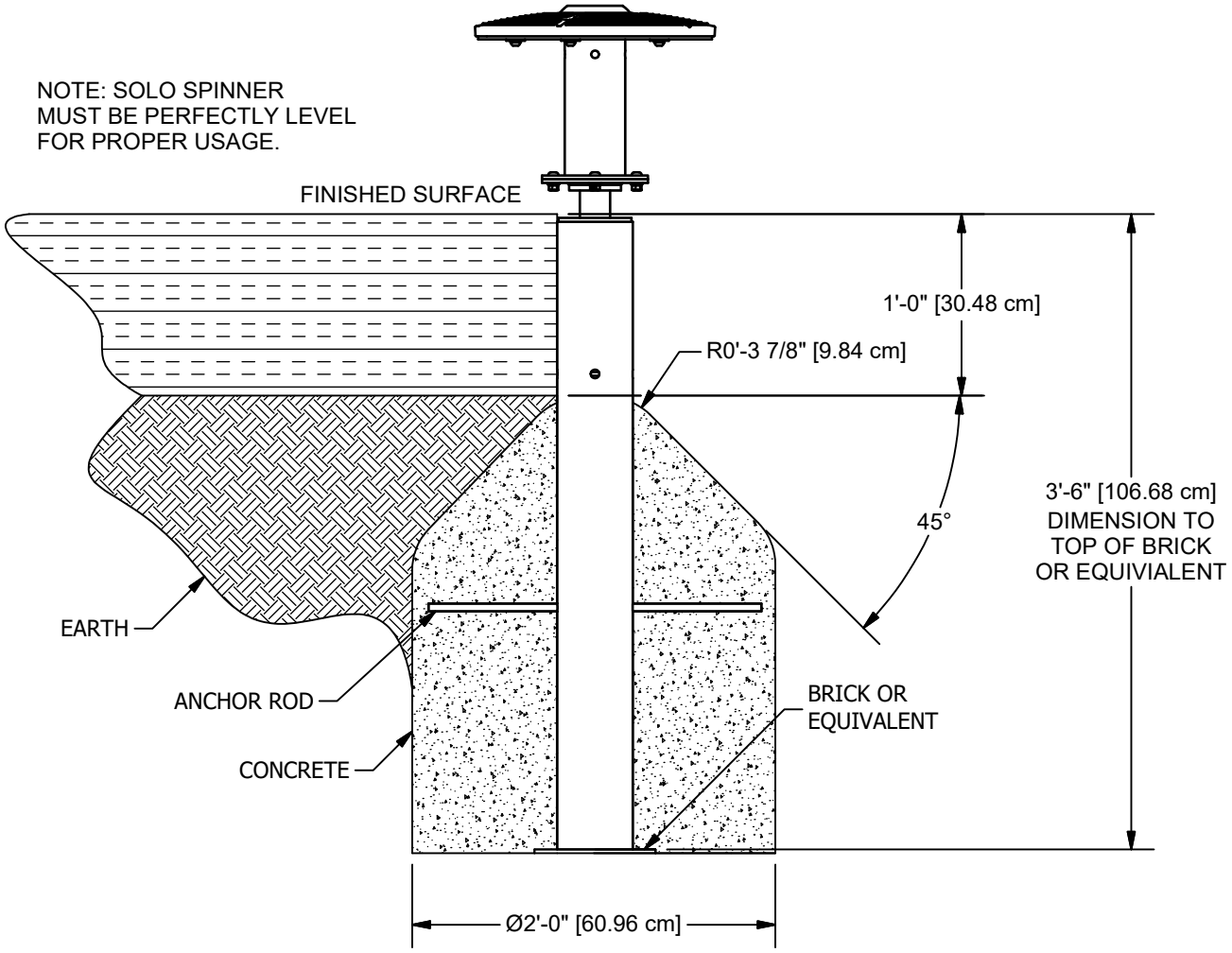



**TOP VIEW**




**ELEVATION VIEW**

NOTE: SOLO SPINNER
MUST BE PERFECTLY LEVEL
FOR PROPER USAGE.



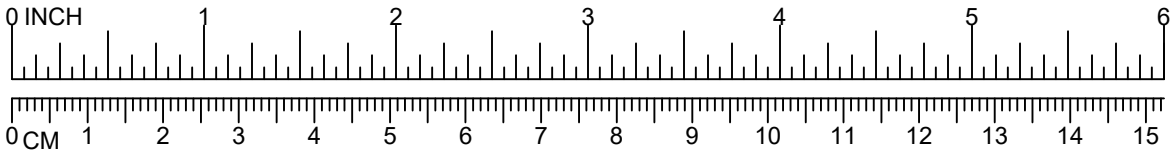

CONCRETE REQUIRED
.22 CUBIC YARDS
[.17 CUBIC METERS]

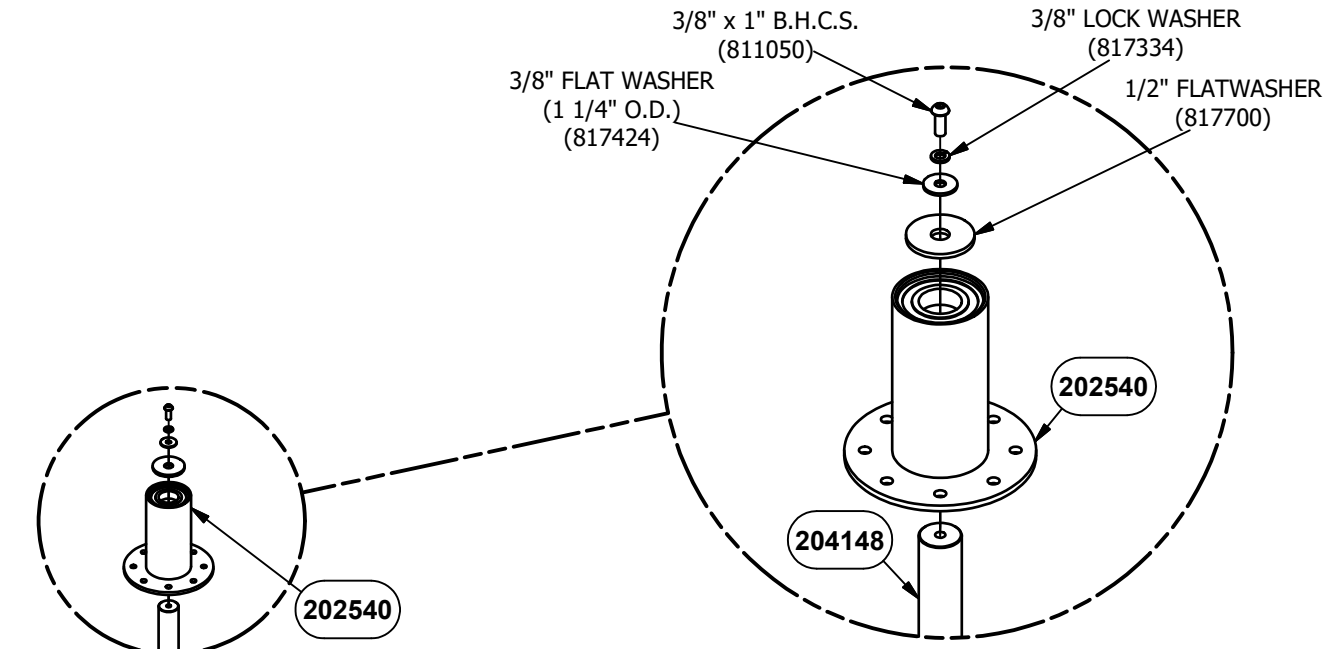
SUGGESTED MINIMUM
CONCRETE RATING:
3000 PSI

SLOPED FOOTING IS A
REQUIREMENT OF
EUROPEAN STANDARD
EN1176-1.

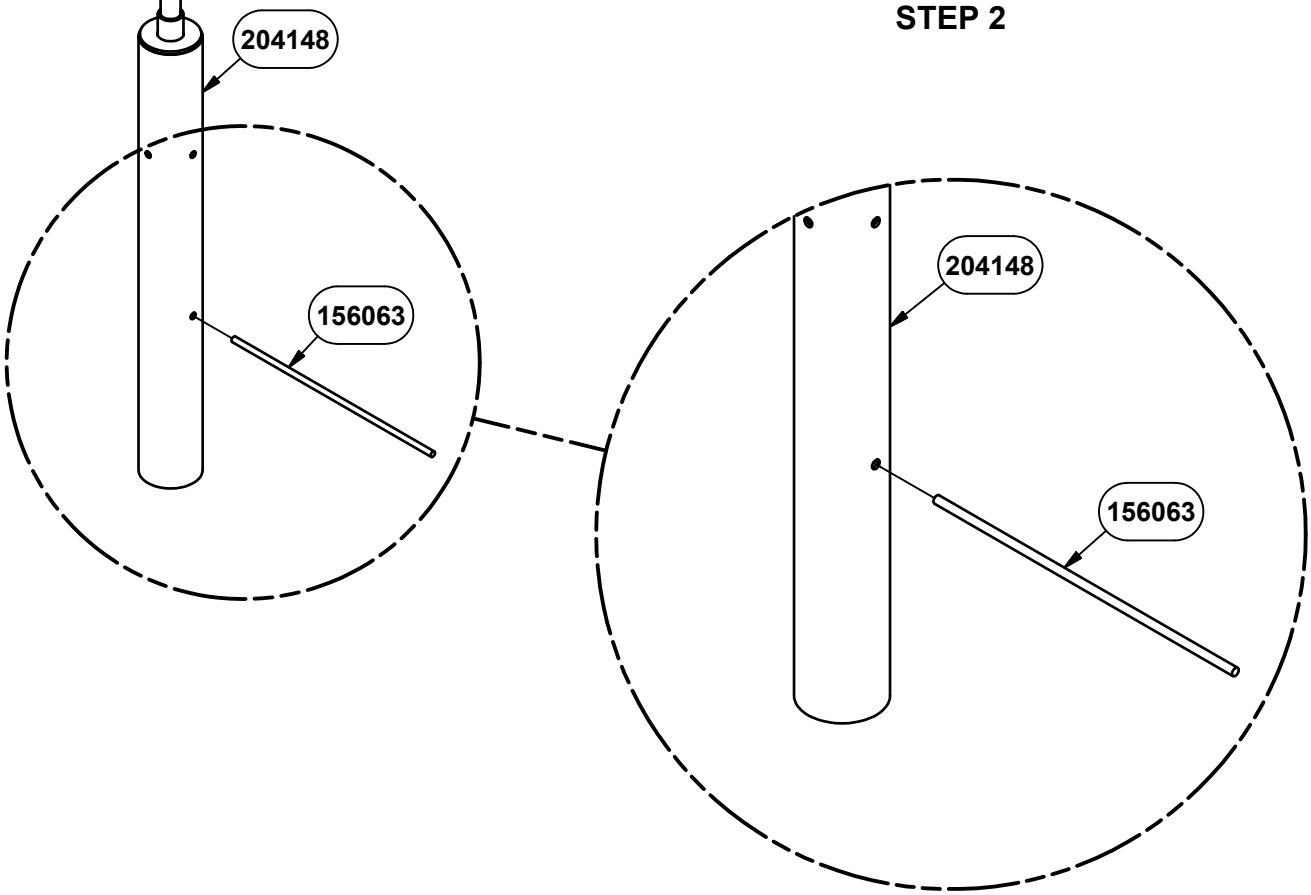
***FOOTING DETAIL***

SHOCK ABOSORBING PROPERTIES
OF SURFACING MATERIALS VARY .
IF YOU DETERMINE THAT LESS THAN
1'-0" [30.48 cm] OF SURFACING IS
REQUIRED , MAKE UP THE DIFFERENCE
IN ELEVATION WITH EARTH , BEFORE
APPLYING SURFACING.



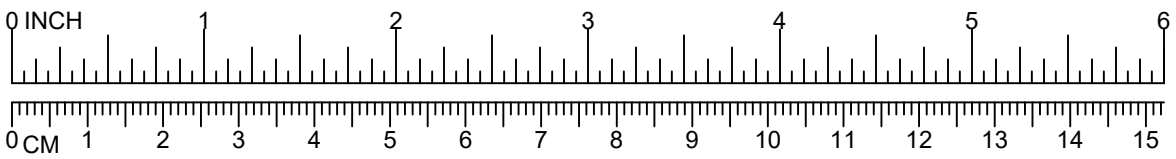

**STEP 2**

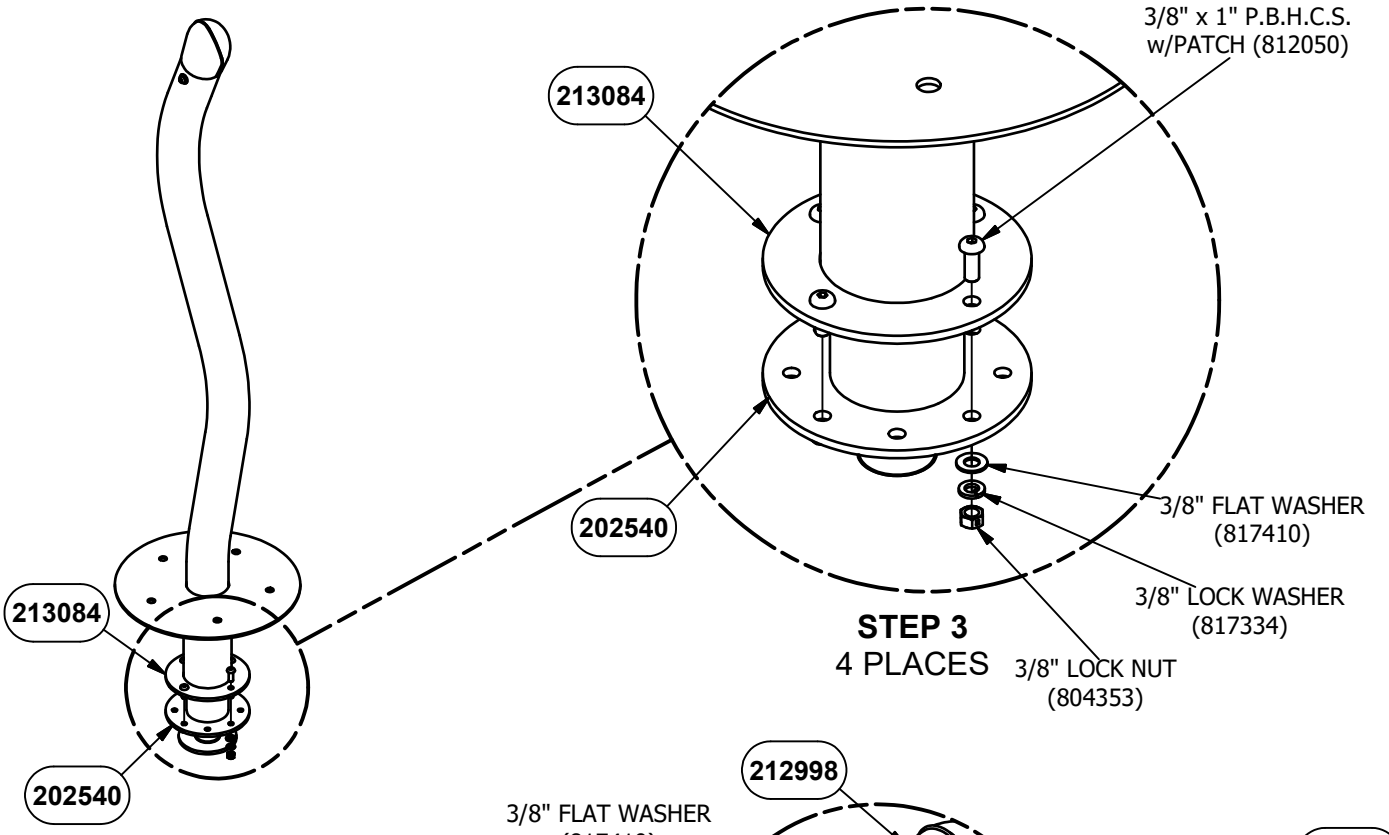



**STEP 1**

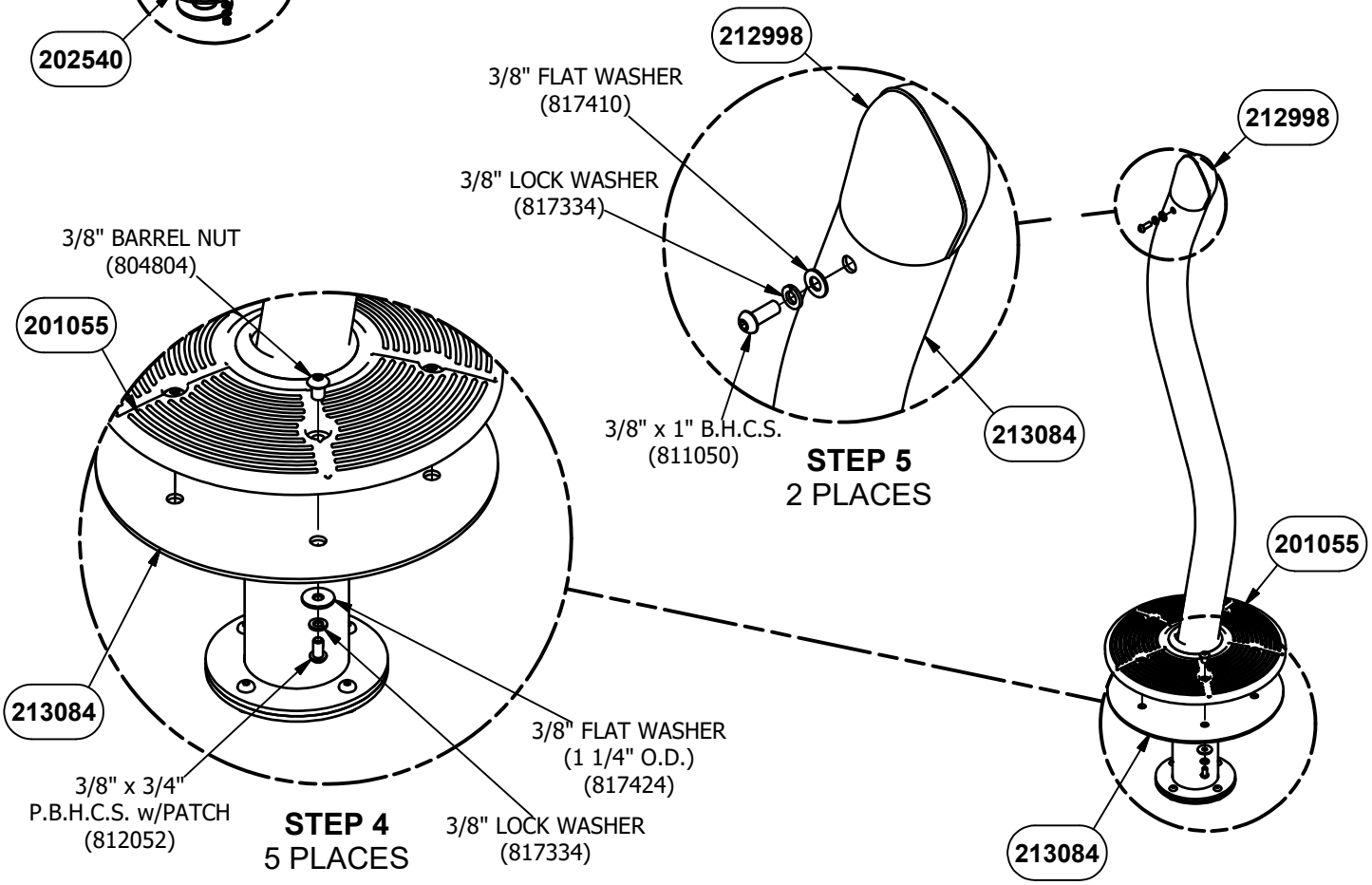
## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**STEP 3**
4 PLACES




**STEP 5**
2 PLACES

**STEP 4**
5 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

# IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

**STEP 1:** Attach Anchor Rod and place Ground Shaft in ground hole, check to be sure it is level and at the proper height. **REFER TO PAGE 4.**

**STEP 2:** Attach Hub Bearing Assembly to Ground Shaft. **REFER TO PAGE 4.**

**STEP 3:** Attach Solo Spinner Weld Assembly to Hub Bearing Assembly. **REFER TO PAGE 5.**

**STEP 4:** Attach X-Pod Step Surface to Solo Spinner Weld Assembly. **REFER TO PAGE 5.**

**STEP 5:** Attach Umbra Topper to Solo Spinner Weld Assembly. **REFER TO PAGE 5.**

**NOTE:** Loctite (supplied by others) should be used on all threaded hardware.

# SPECIFICATIONS

**SOLO SPINNER WELD ASSEMBLY:** Shall be an all welded assembly fabricated from 3 1/2" (4" O.D.) schedule 40 (.226" wall) galvanized steel pipe, 1/4" thick hot rolled steel, 3/16" hot rolled steel, and 3 1/2" O.D. 11 gauge (.120" wall) galvanized steel pipe. The Solo Spinner Weld Assembly shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**HUB BEARING ASSEMBLY:** The Hub Weld Assembly shall be an all welded assembly fabricated from machined 3" (.300" wall) black steel pipe and 1/4" thick hot rolled steel plate. Two heavy duty, permanently lubricated and sealed bearings shall be press fit into the Hub Weld Assembly. The Hub Bearing Assembly shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**SHAFT WELD ASSEMBLY:** Shall be an all welded assembly fabricated from machined 2.0000" O.D. cold rolled steel, 1/4" hot rolled steel plate, and 11 gauge (.12") galvannealed steel sheet. The Shaft Weld Assembly shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**X-POD STEP SURFACE:** X-Pod Step Surface shall be molded EPDM with a 90 durometer.

**UMBRA TOPPER:** Umbra Topper shall be manufactured from linear low-density polyethylene material and shall conform to the rotationally molded specifications outlined herein. Polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. Rotationally molded products shall meet or exceep the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SOLO SPINNER WELD ASSEMBLY | 1 | 213084 |
| UMBRA TOPPER | 1 | 212998 |
| GROUND SHAFT | 1 | 204148 |
| HUB BEARING ASSEMBLY | 1 | 202540 |
| X-POD STEP SURFACE (2-5) | 1 | 201055 |
| **HARDWARE COMPLETE** | 1 | 213350 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 5 | 812052* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050* |
| 3/8" x 1" B.H.C.S. | 3 | 811050* |
| 3/8" LOCK WASHER | 12 | 817334* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 817424* |
| 3/8" FLAT WASHER | 6 | 817410* |
| 3/8" BARREL NUT | 5 | 804804* |
| 3/8" LOCK NUT | 4 | 804353* |
| 1/2" FLATWASHER | 1 | 817700* |
| 22" ANCHOR ROD | 1 | 156063* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

GameTime
A PLAYCORE Company
1-800-235-2440

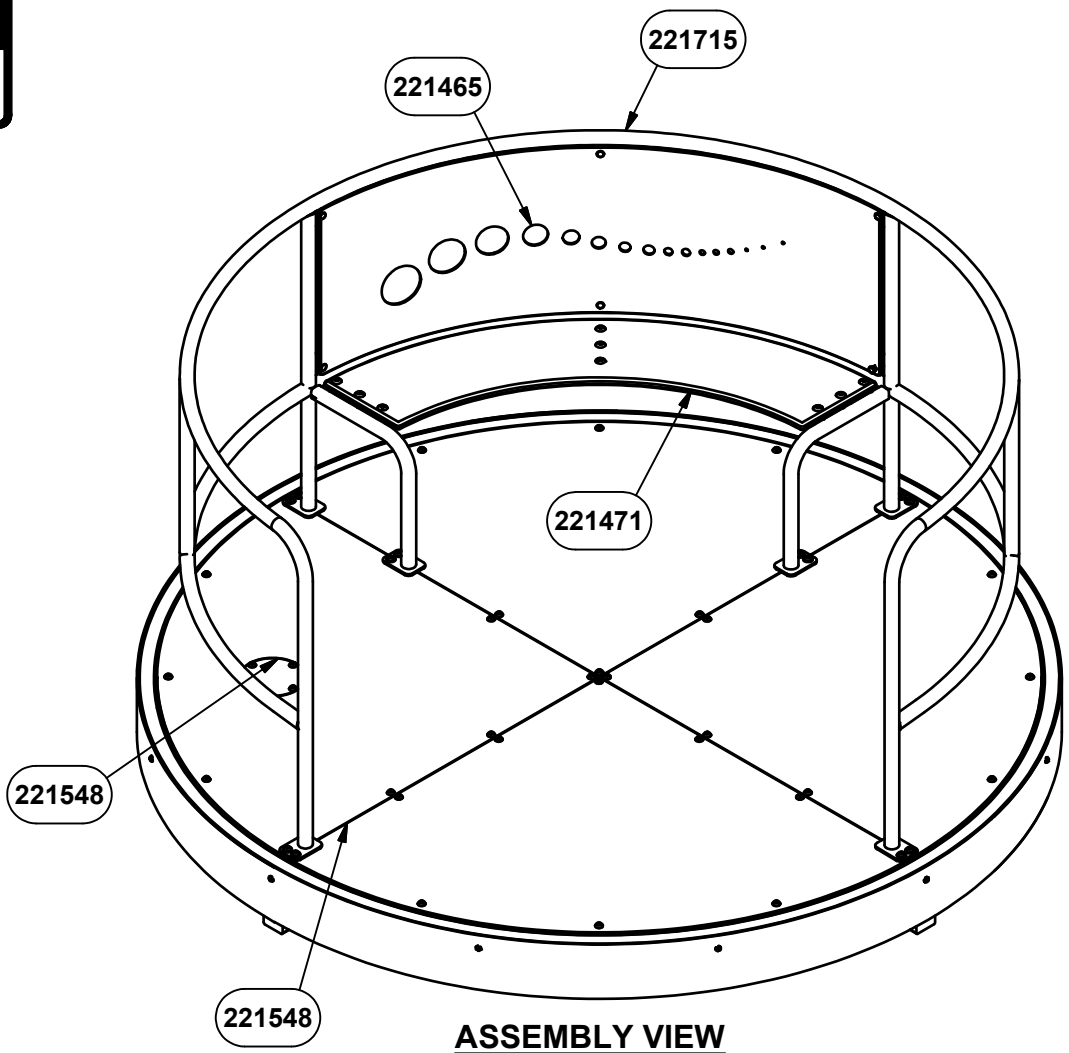
# 6262

# INCLUSIVE WHIRL - BASIC

**ISSUED/REVISED: 6/21/2023**




| | |
|---|---|
| **INCLUSIVE WHIRL - BASIC** | **6262** |
| **INCLUSIVE WHIRL - NATURAL** | **6263** |
| **INCLUSIVE WHIRL - PLAYFUL** | **6264** |

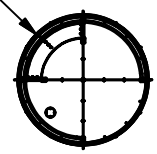



**ASSEMBLY VIEW**
6262 SHOWN
OTHERS SIMILAR

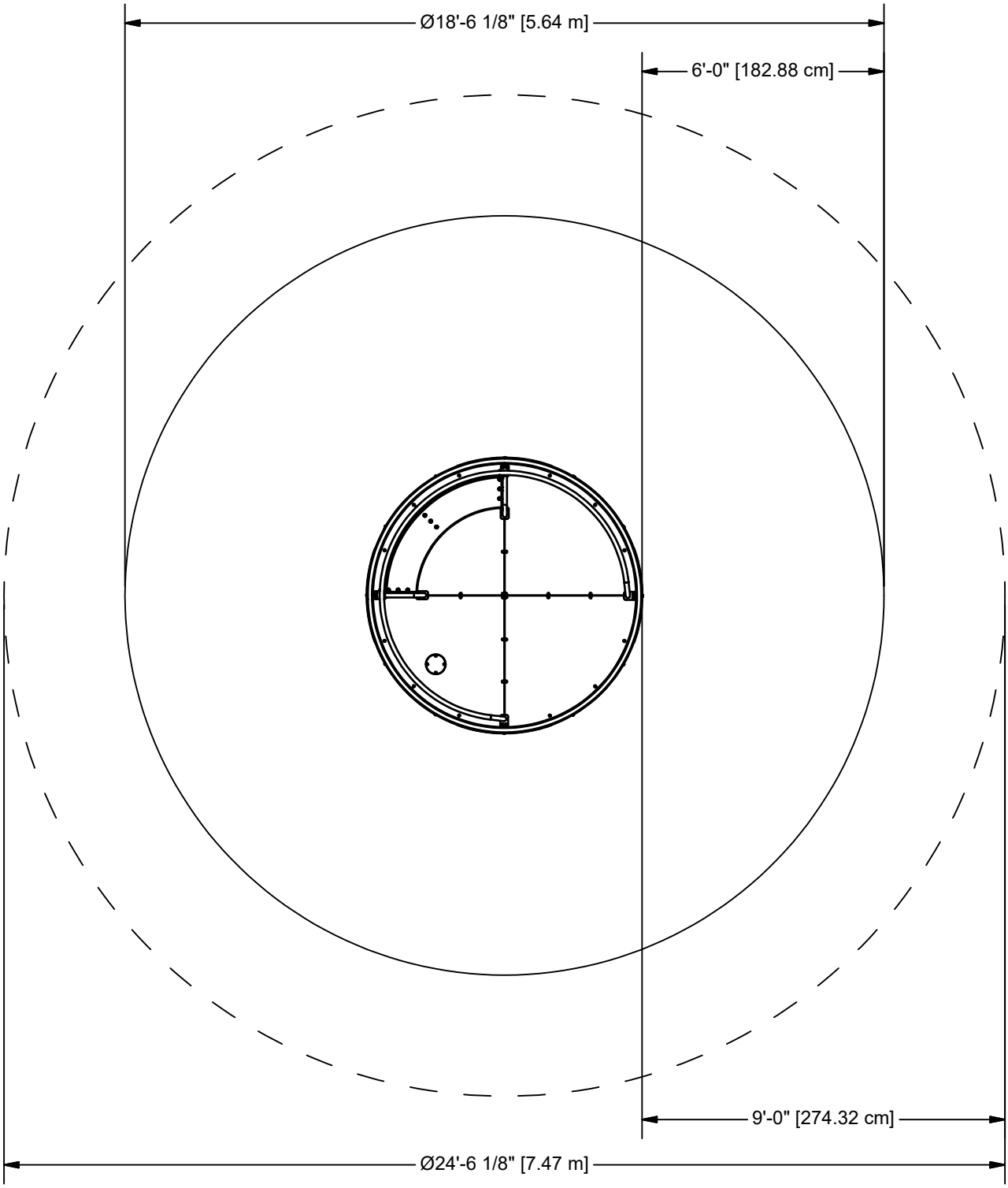
**IMPORTANT:**
ONCE ASSEMBLY IS COMPLETE PERFORM CRITICAL FINAL CHECKS ON PAGE 9.

* THIS WHIRL SHALL BE INSTALLED IN A LOW-TRAFFIC AREA.
* OWNER/OPERATIOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF THIS WHIRL TO COMPLY WITH ASTM F1292 AND ASTM F-1487 (U.S.) OR CAN/CSA Z-614 (CANADA). USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) FOR THIS WHIRL SHALL EXTEND TO 18'-6 1/8" [5.64 m] DIAMETER MINIMUM.
*A NO-ENCROACHMENT ZONE (REQUIRED IN CANADA) SHALL EXTEND TO 24'-6 1/8" [7.47 m] DIAMETER MINIMUM.

Ø6'-9 7/8" [Ø208.00 cm]



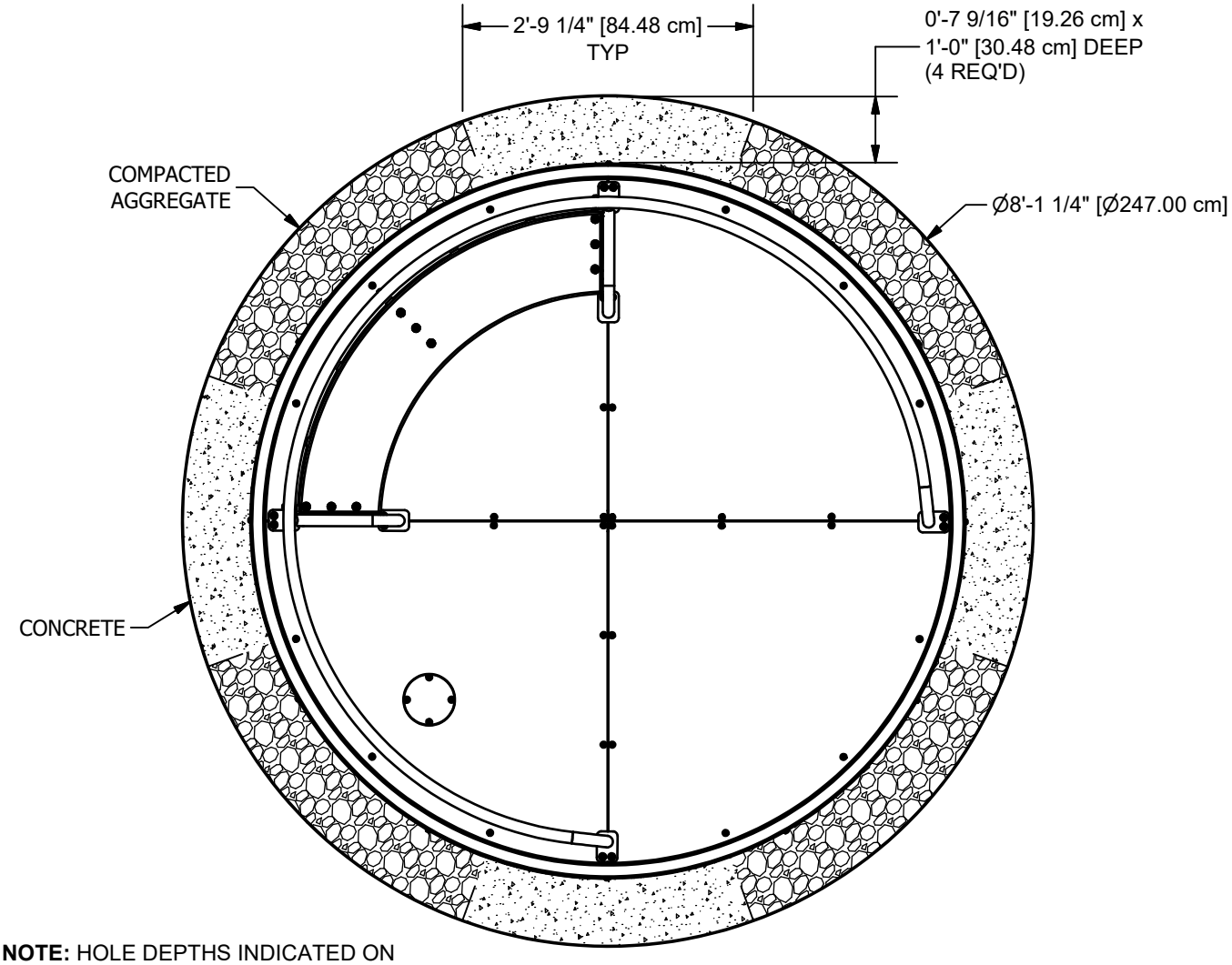
**TOP VIEW**




## USE ZONE

NOTES:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR INCLUSIVE WHIRL SHOWN.
3. DASHED LINES REPRESENT CSA NO-ENCROACHMENT ZONE (CANADA ONLY).

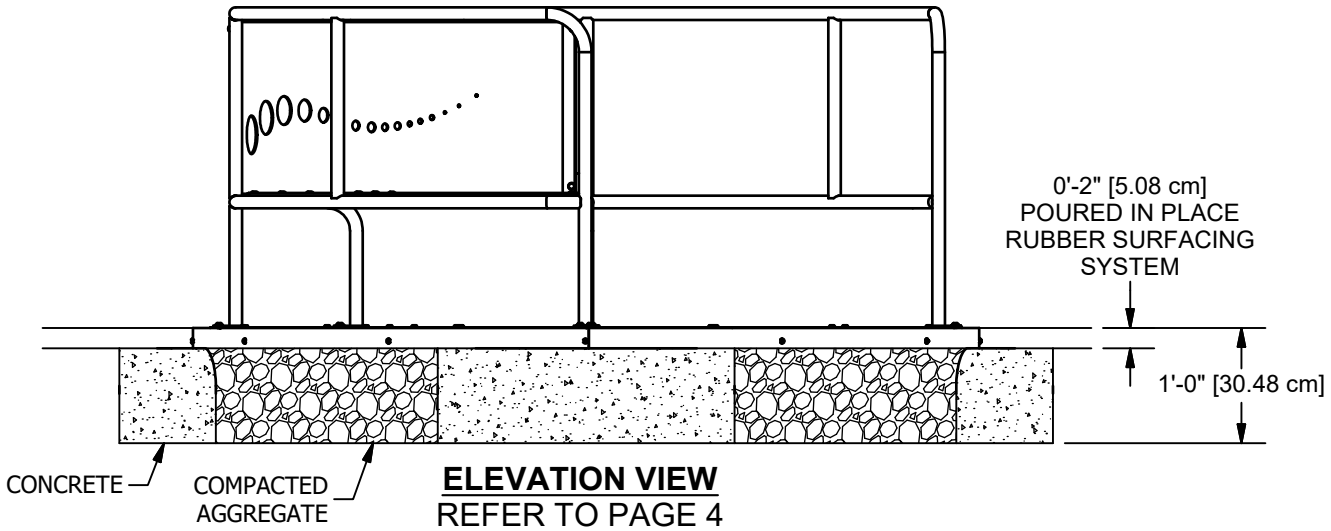
# STEP 1



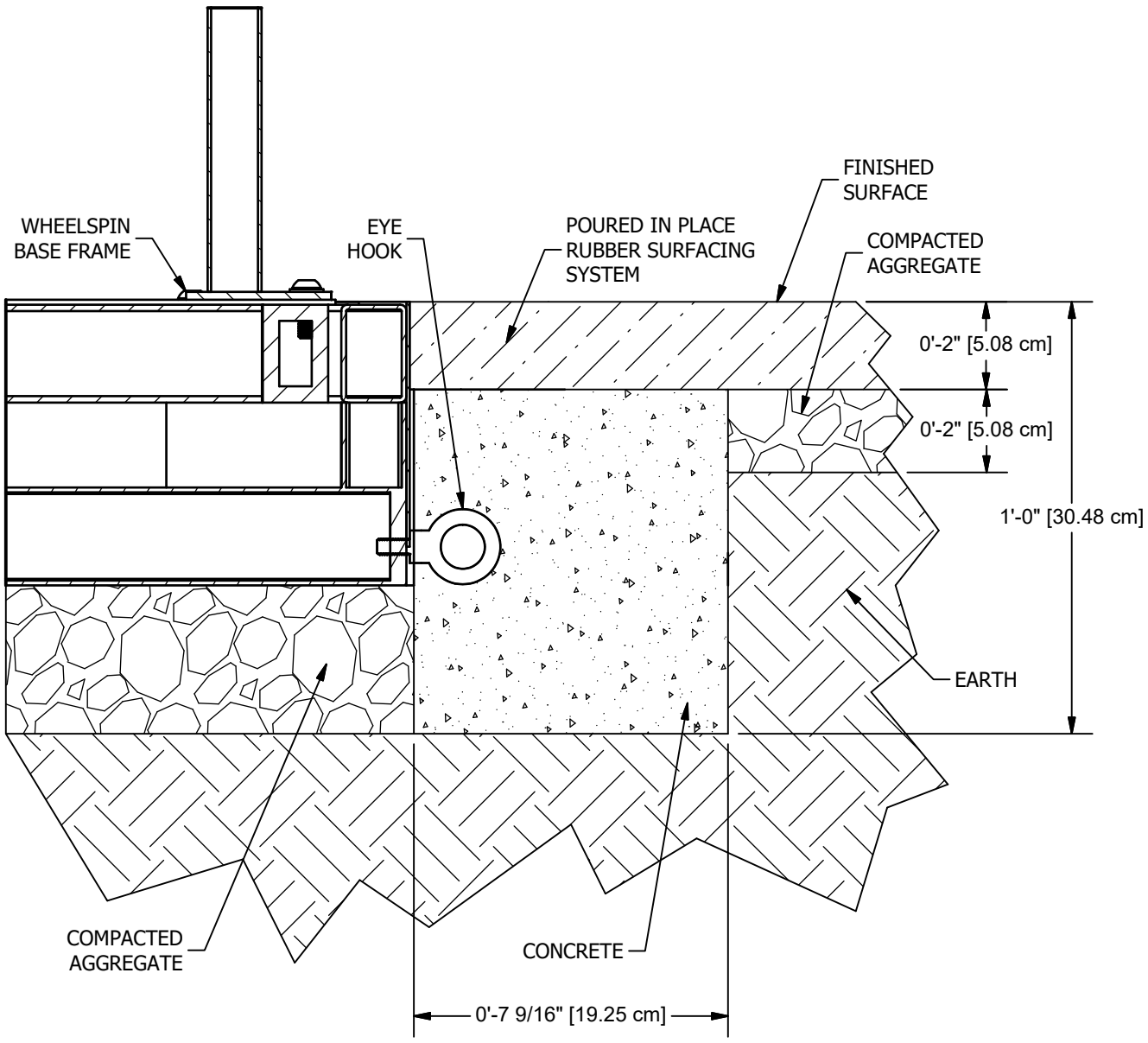

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**PLAN VIEW**
REFER TO PAGE 4
FOOTING DETAIL

**CONCRETE REQUIRED:**
0.22 CUBIC YARDS
[0.16 CUBIC METERS]

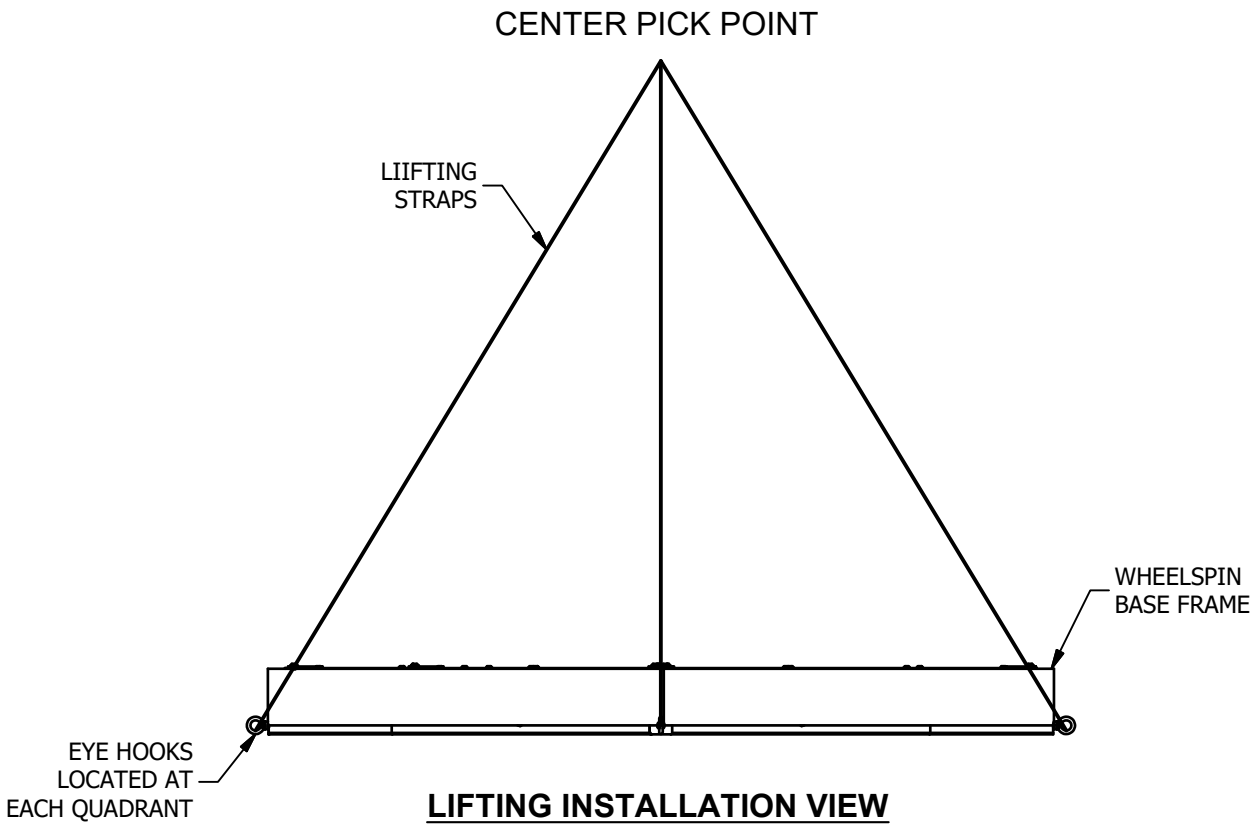



**ELEVATION VIEW**
REFER TO PAGE 4
FOOTING DETAIL

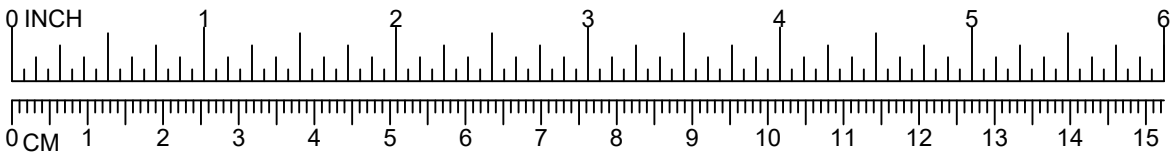


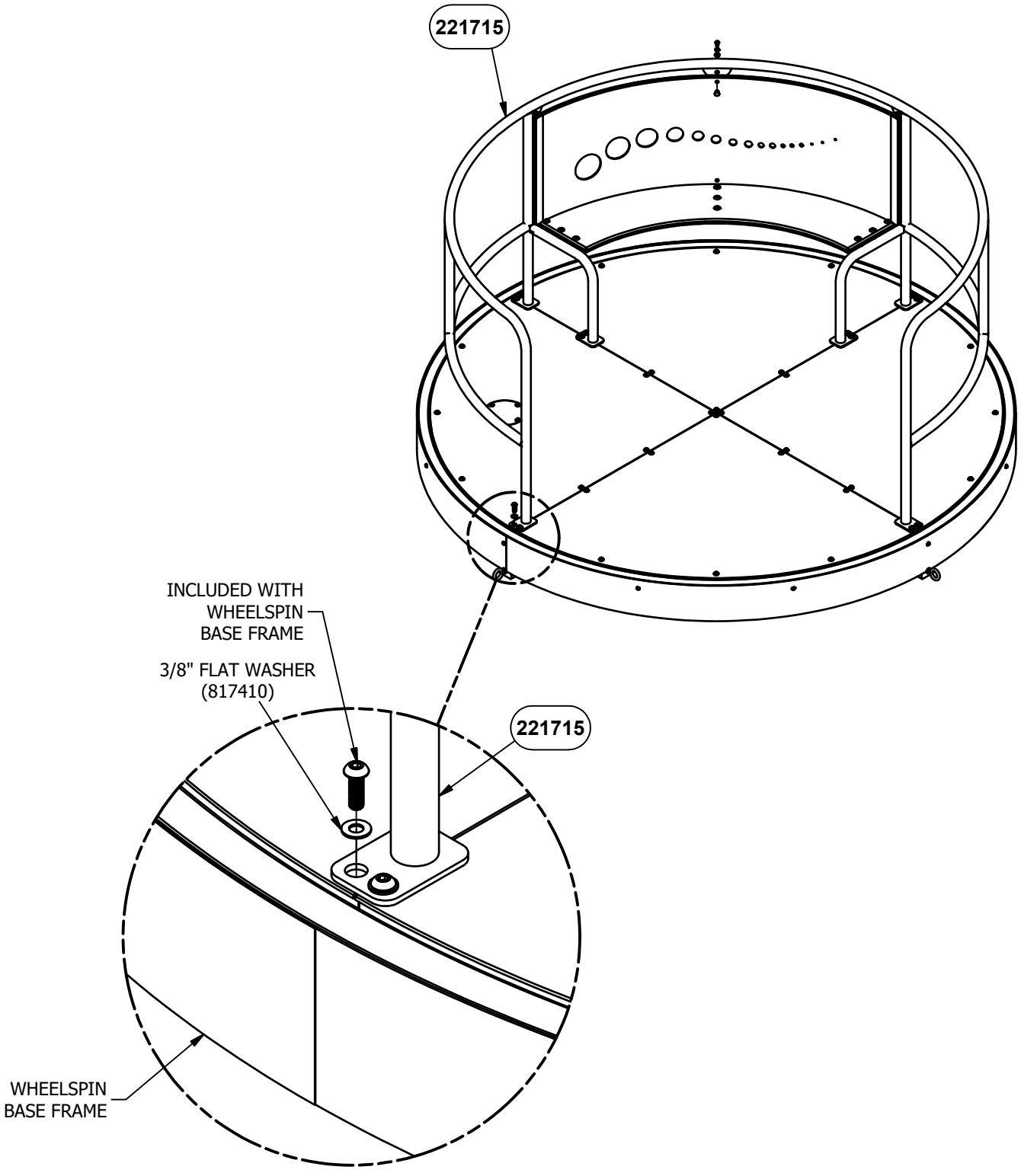

## FOOTING DETAIL

# STEP 2




**LIFTING INSTALLATION VIEW**

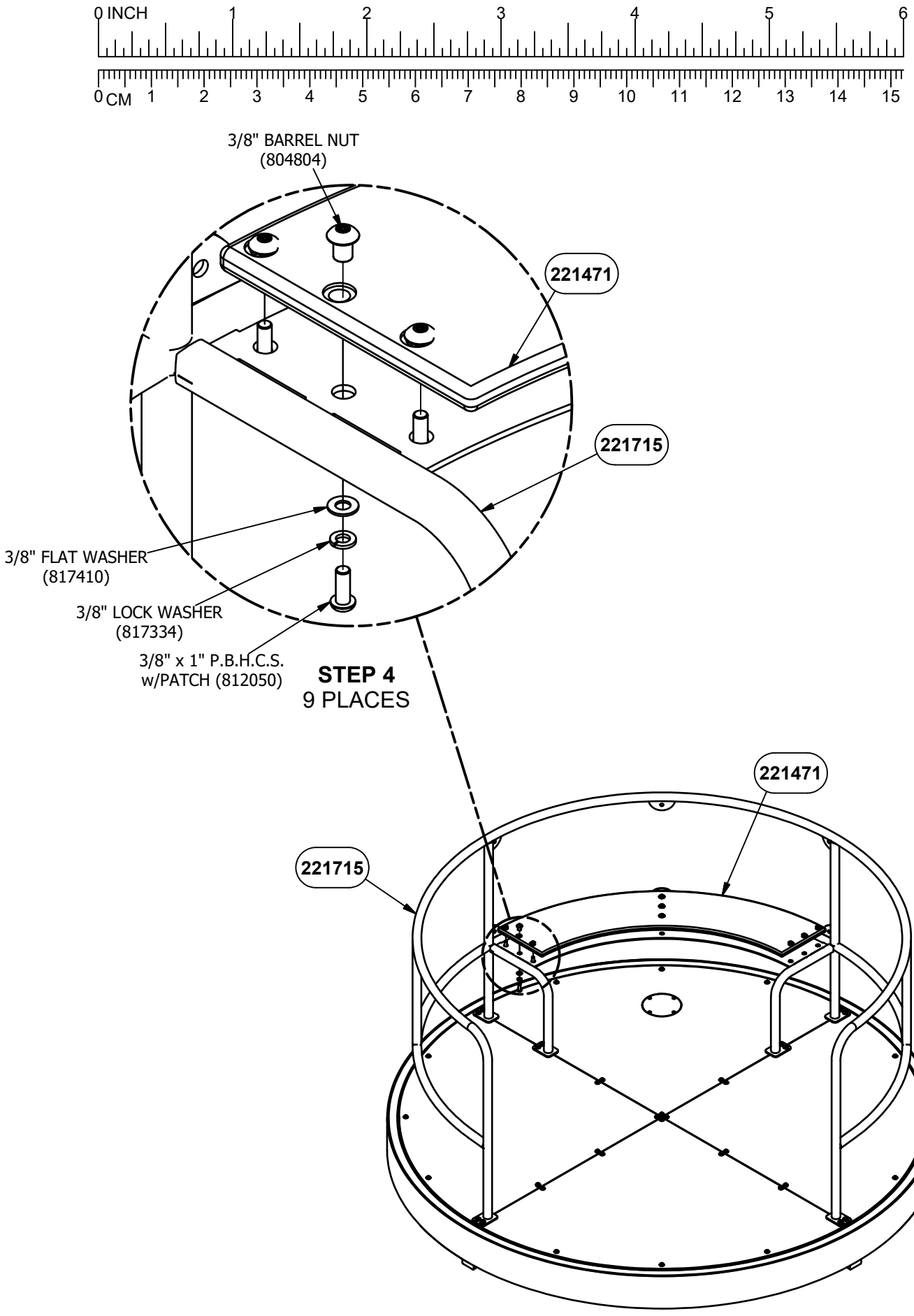



**STEP 3**
12 PLACES

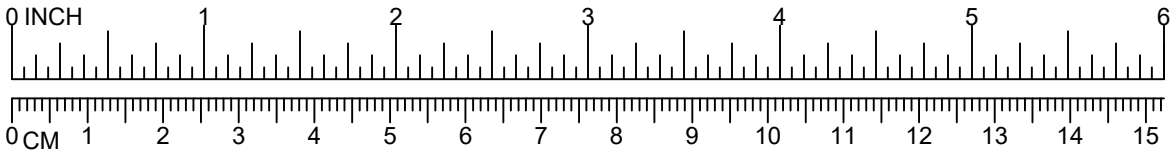


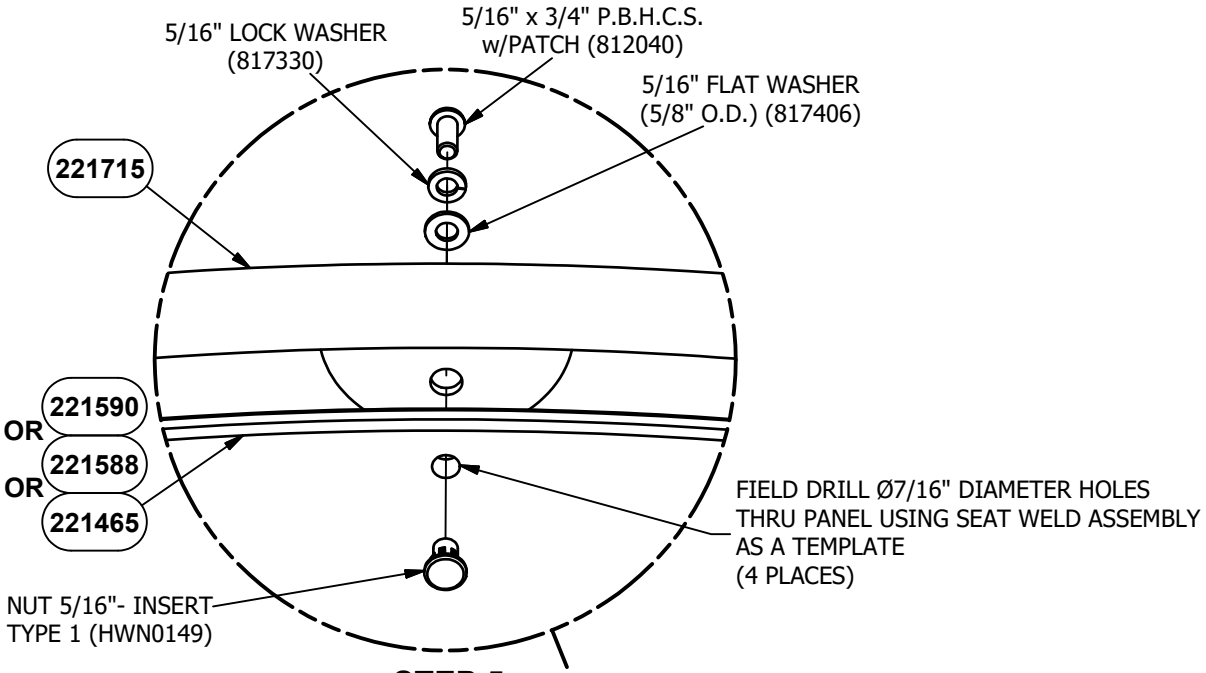
**DETAIL VIEW**


0 INCH 1 2 3 4 5 6
0 CM 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
3/8" BARREL NUT
(804804)
221471
221715
3/8" FLAT WASHER
(817410)
3/8" LOCK WASHER
(817334)
3/8" x 1" P.B.H.C.S.
w/PATCH (812050)
STEP 4
9 PLACES
221471
221715



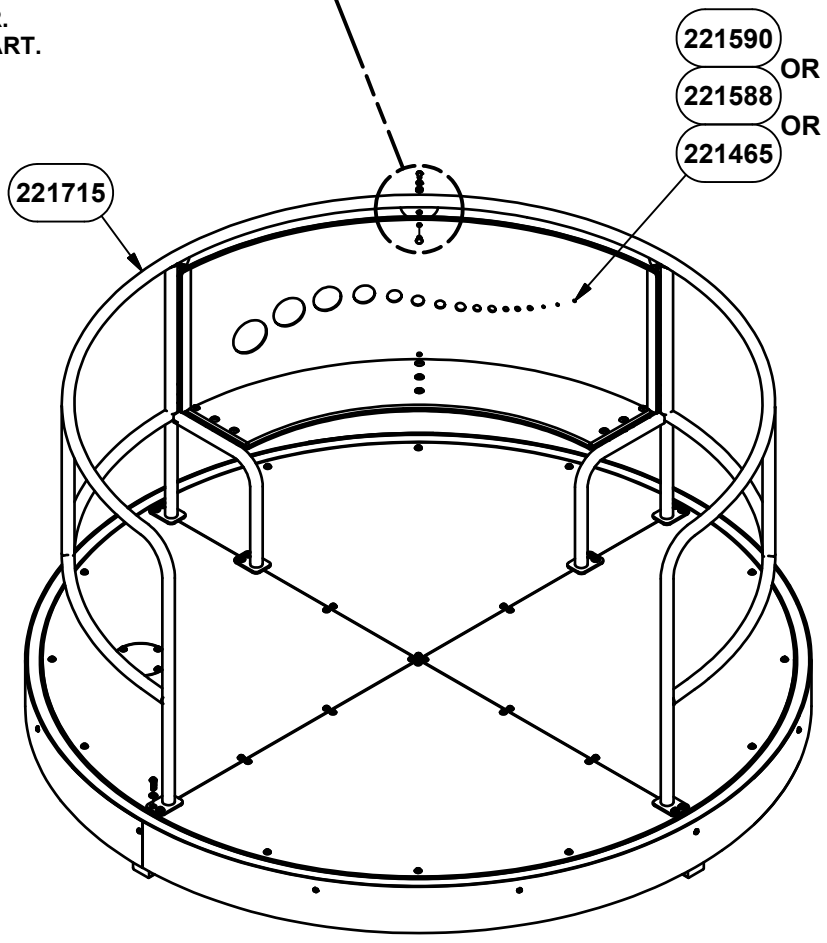
**DETAIL VIEW**



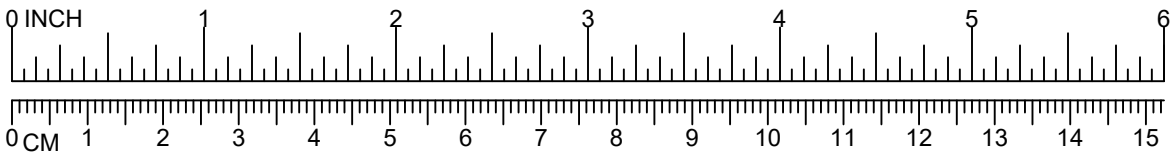



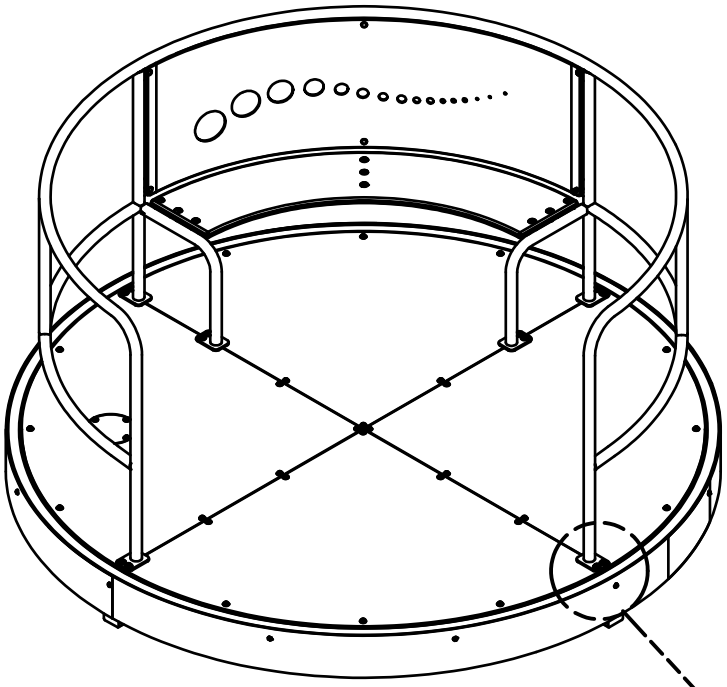

**STEP 5**
6 PLACES

**CAUTION: WHILE INSTALLING HWN0149**
**USE HAND TOOLS ONLY.**
**DO NOT USE AN IMPACT DRIVER.**
**DOING SO COULD DAMAGE THE PART.**




## DETAIL VIEW



**PROBE CHECK VIEW**

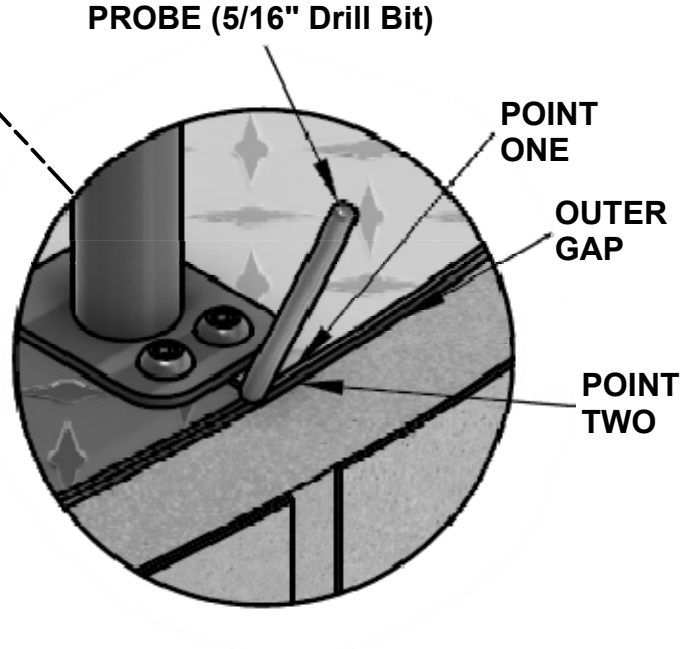
## CRITICAL FINAL CHECKS

Following installation, it is vital that final checks are carried out.

1. Ensure the rotation of the Whirl runs smoothly.

2. Check that all hardware is secured tightly.

3. Slowly rotate the Whirl while using the "Probe" (5/16" Drill Bit) to ensure the gap between "**Point One"** and "**Point Two" DOES NOT EXCEED** 5/16" [8 mm] anywhere along the "**Outer Gap".**




## WHIRL ADJUSTMENTS (ONLY IF REQUIRED)

1. Adjustments can be carried out by loosening the hardware on the Floor Quadrants and adjusting the position of the Floor Quadrants where necessary. This will help reduce any gaps along the Outer Gap that may exceed 5/16" [8mm].

2. Further alterations can be carried out by adjusting the top section placement of the Bearing. To do this, remove the Top Frame and Floor Quadrants and loosen the hardware connecting the Top Frame to the Bearing. This will allow you to make any slight adjustments to the Top Frame.

3. Once complete, tighten the inner section and then reattach the Floor Quadrants and Whirl Seat Weld Assembly. Ensure the gap does not exceed 5/16" [8mm] anywhere along the Outer Gap. Ensure all hardware is secured tightly.

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions

**DRAINAGE:** If the ground does not drain naturally (water-impermeable), suitable drainage must be installed. In this case, the pit should be 5-7/8" deeper to allow a drainage pipe connected to a suitable outflow (e.g. the local sewerage system). After that, you disperse a combined frost protection and base layer on the whole area depth 5-7/8".

**NOTE:** Mark out an area for suitable surfacing. **REFER TO PAGE 3 ELEVATION VIEW.**

**STEP 1:** Dig compacted aggregate away from the four areas around the eye hooks according to Elevation View. **REFER TO PAGE 3 AND 4.**

**STEP 2:** Lift Inclusive Whirl into place by using lifting straps and eye hooks. **REFER TO PAGE 5.**

**STEP 3:** Attach Whirl Seat Weld Assembly to the Wheelspin Base Frame. **REFER TO PAGE 6.**

**STEP 4:** Attach HDPE Seat to the Whirl Seat Weld Assembly. **REFER TO PAGE 7.**

**STEP 5:** Attach HDPE Backrest to the Whirl Seat Weld Assembly. **REFER TO PAGE 8.**

## CRITICAL FINAL CHECKS

**REFER TO PAGE 9 FOR PROBE CHECK VIEW AND CRITICAL FINAL CHECK NOTES.**

**NOTE:** Ensure the rotation of the Whirl runs smoothly and check that all hardware is secured tightly.

Slowly rotate the Whirl while using the "Probe" (5/16" Drill Bit) to ensure the gap between "**Point One"** and **"Point Two"** **DOES NOT EXCEED** 5/16" [8 mm] anywhere along the **"Outer Gap".**

## BEARING MAINTENANCE

**REFER TO PAGE 12 FOR BEARING MAINTENANCE VIEWS.**

**STEP 1:** Inspection hatch is located under seat and attached by four security screws.

**STEP 2:** Fill the grease gun with waterproof grease tube and attach the grease gun to the nipple.

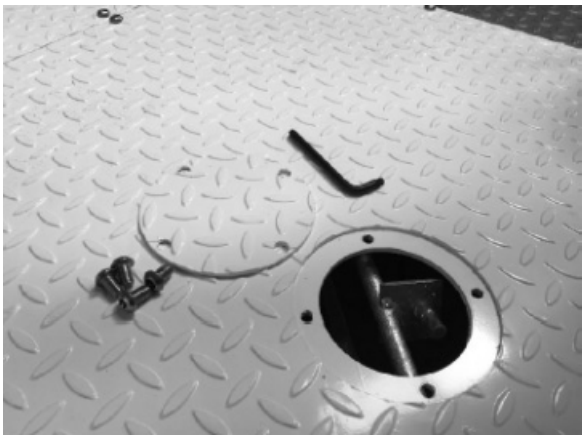
**STEP 3:** Pump the grease gun while slowly rotating the Whirl.

**STEP 4:** Continue to do this until the grease gun is empty.

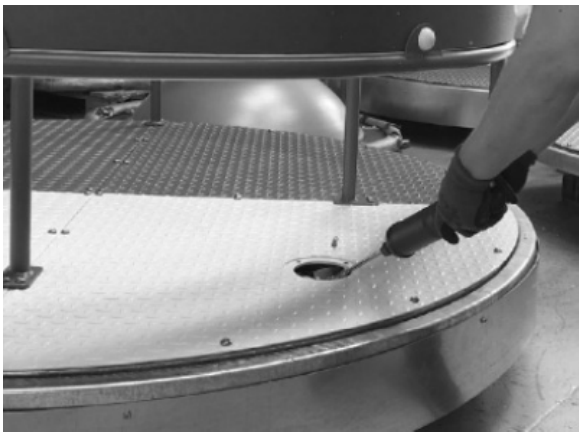
**STEP 5:** Spin the Whirl for a few minutes to allow the grease to settle into the bearing.

**STEP 6:** Ensure the inspection hatch is put securely back in place.

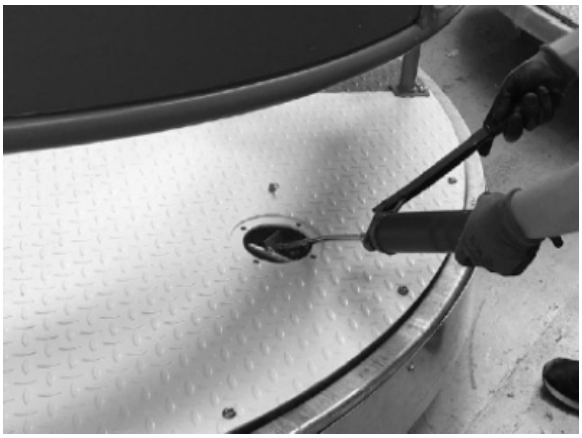
# BEARING MAINTENANCE



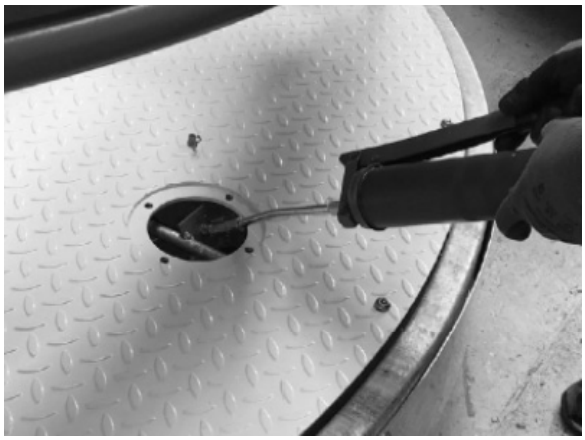
**STEP 1**
INSPECTION HATCH IS LOCATED UNDER SEAT AND ATTACHED BY FOUR SECURITY SCREWS.



**STEP 2**
FILL THE GREASE GUN WITH WATERPROOF GREASE TUBE AND ATTACH THE GREASE GUN TO THE NIPPLE.



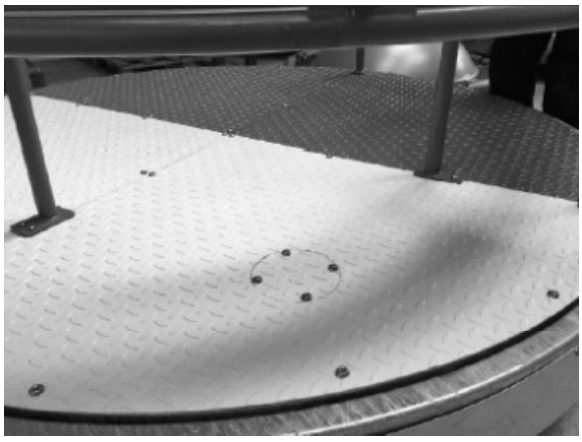
**STEP 3**
PUMP THE GREASE GUN WHILE SLOWLY ROTATING THE WHIRL.



**STEP 4**
CONTINUE TO DO THIS UNTIL THE GREASE GUN IS EMPTY.




**STEP 5**
SPIN THE WHIRL FOR A FEW MINUTES TO ALLOW THE GREASE TO SETTLE INTO THE BEARING.



**STEP 6**
ENSURE THE INSPECTION HATCH IS PUT SECURELY BACK IN PLACE.

## GENERAL NOTES

1. Lifting assistance required.
2. Only use genuine spare parts.
3. Remove all installation equipment before first use.
4. Care must be taken under abnormal conditions to ensure sufficient foundation depth is available.
5. Inclusive Whirl must be installed into level ground.

## ROUTINE VISUAL AND OPERATIONAL INSPECTIONS

1. Carried out every 3 months. The frequency of inspection will vary depending upon the type of equipment or material used and other factors such as: Heavy use, vandalism, coastal location, air pollution, and age of equipment.
2. Check general structural integrity and for any loose hardware and tighten if necessary.
3. Check paint work for damage, touch up if required.
4. Check for excessive wear on any parts.
5. Listen for any abnormal noise from bearing during rotation of unit.
6. Check surfacing for excessive wear or damage.
7. If subject to heavy use or vandalism, daily inspection is recommended by: checking for loose or dangerous parts, clearances, ground surfaces, sharp objects, missing parts, excessive wear, and cleanliness of equipment on site.

## MAIN INSPECTION

1. Carried out annually.
2. Close off surrounding area to create safe environment during maintenance and apply warning signs.
3. Remove Whirl Seat Weld Assembly.
4. Remove Floor Quadrants.
5. Check bearing for excessive wear and replace if required.
6. Apply a good quality waterproof grease to bearing at all grease points.
7. Refit Floor Quadrants and replace any bolts if damaged.
8. Refit Whirl Seat Weld Assembly.
9. Check for smooth operation.

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 6262 | 6263 | 6264 | PART NUMBER |
| WHIRL SEAT WELD ASSEMBLY | 1 | 1 | 1 | 221715 |
| HDPE SEAT | 1 | 1 | 1 | 221471 |
| HDPE BACKREST | 1 | 0 | 0 | 221465 |
| HDPE NATURAL BACKREST | 0 | 1 | 0 | 221588 |
| HDPE PLAIN BACKREST | 0 | 0 | 1 | 221590 |
| WHEELSPIN BASE FRAME | 1 | 1 | 1 | 221548 |
| UPPER MAIN FRAME | 1 | 1 | 1 | ** |
| LOWER MAIN FRAME | 1 | 1 | 1 | ** |
| SKIRT COVER | 3 | 3 | 3 | ** |
| SLEW RING BEARING | 1 | 1 | 1 | ** |
| FLOOR QUADRANT | 3 | 3 | 3 | ** |
| FLOOR QUADRANT ACCESS PLATE | 1 | 1 | 1 | ** |
| FLOOR QUADRANT ACCESS CAP | 1 | 1 | 1 | ** |
| REMOTE GREASING NIPPLE | 1 | 1 | 1 | ** |
| 5/16" DRILL BIT | 1 | 1 | 1 | ** |
| M10 x 30mm CSK | 40 | 40 | 40 | ** |
| M12 x 30mm | 4 | 4 | 4 | ** |
| SELF DRILLING SCREW | 16 | 16 | 16 | ** |
| EYE HOOK | 4 | 4 | 4 | ** |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 221483 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 6 | 6 | 6 | 812040* |
| 5/16" FLAT WASHER (5/8" O.D.) | 6 | 6 | 6 | 817406* |
| 5/16" LOCK WASHER | 6 | 6 | 6 | 817330* |
| NUT 5/16"- INSERT TYPE 1 | 6 | 6 | 6 | HWN0149* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 9 | 9 | 9 | 812050* |
| 3/8" FLAT WASHER | 21 | 21 | 21 | 817410* |
| 3/8" LOCK WASHER | 9 | 9 | 9 | 817334* |
| 3/8" BARREL NUT | 9 | 9 | 9 | 804804* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
*** Included in Base Frame Assembly*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

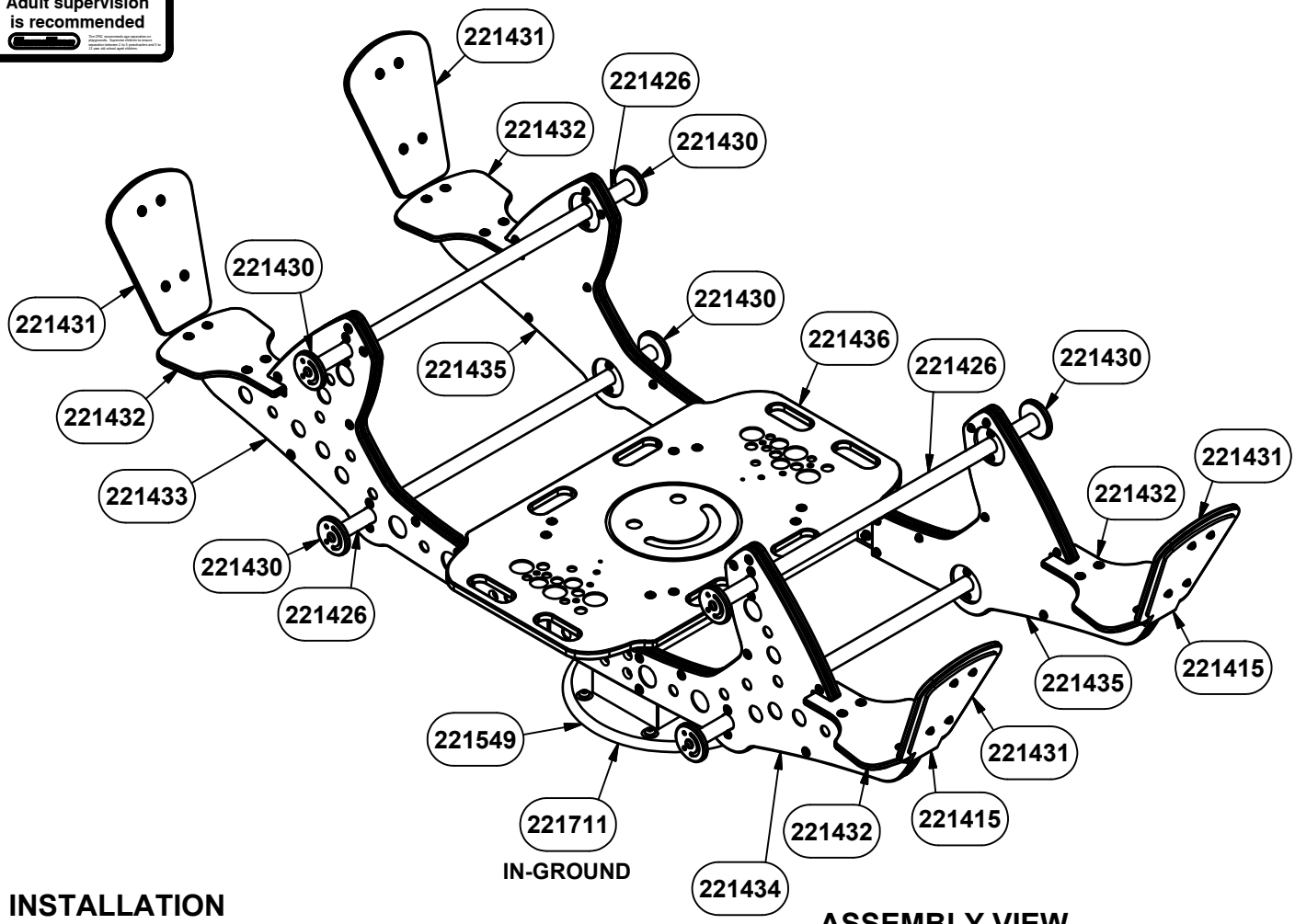
GameTime
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1-800-235-2440

# 6299

# INCLUSIVE SEE SAW

**ISSUED/REVISED: 5/31/2024**

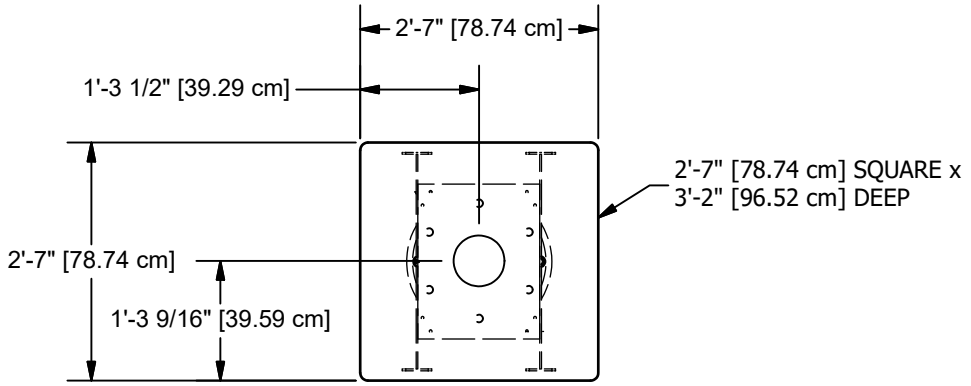



**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

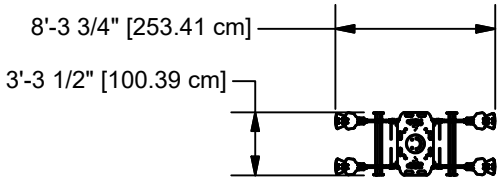
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



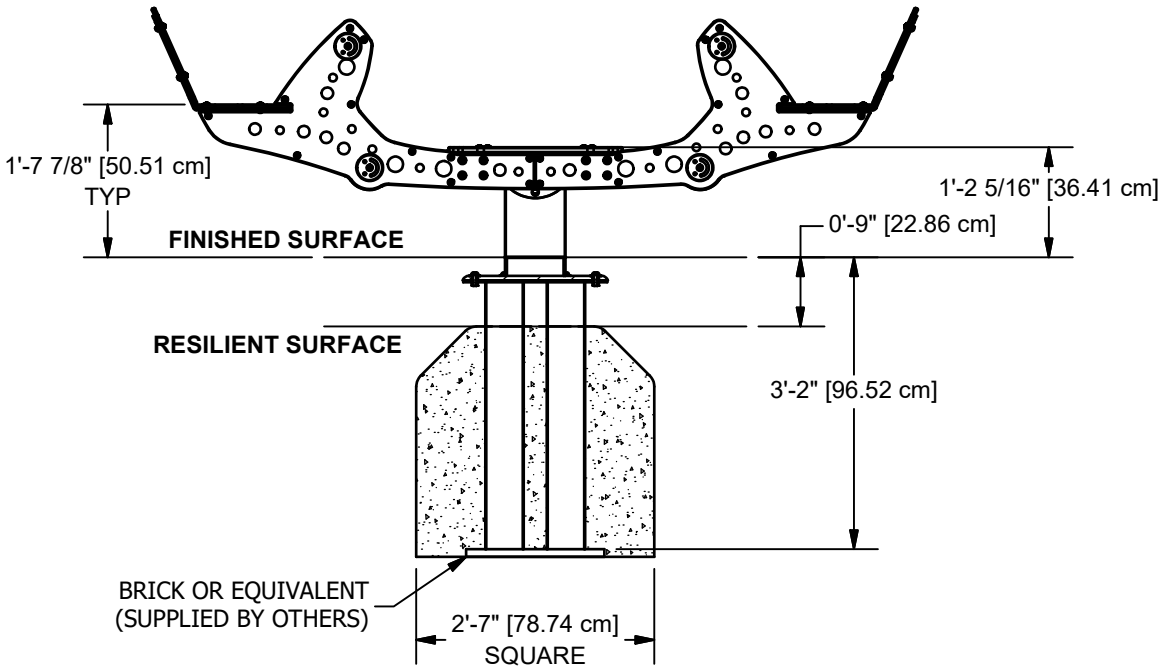

## PLAN VIEW

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

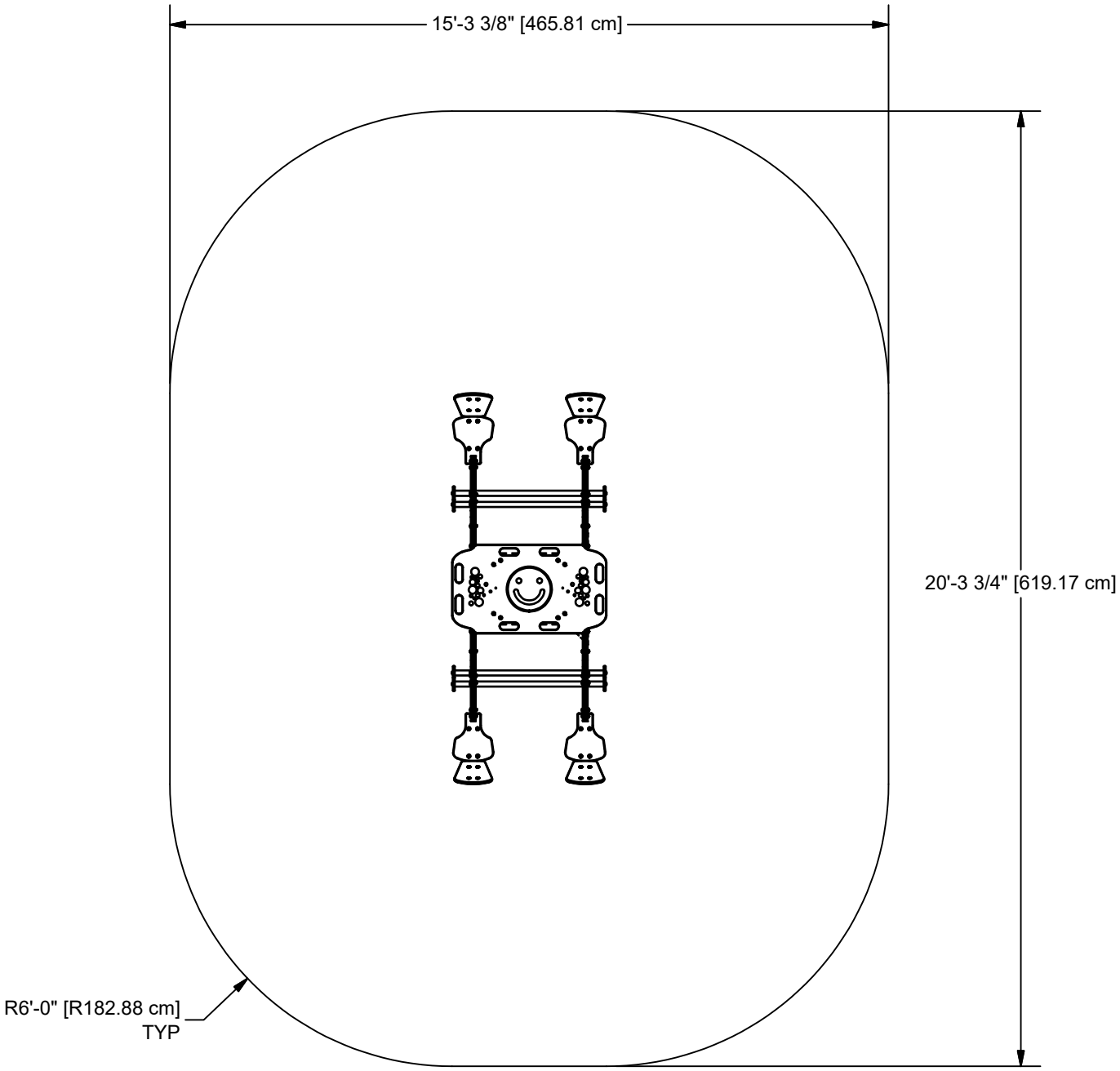
**CONCRETE REQUIRED:**
0.60 CUBIC YARDS
[0.46 CUBIC METERS]




## TOP VIEW




## ELEVATION VIEW




**USE ZONE**




## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS




☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

**NOTE:** Refer to the Detail Views for the specific hardware required in each connection.

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**STEP 1:** Attach Inclusive See Saw Base Assembly to Inclusive See Saw Footbuck Weld Assembly. **APPLY LOCTITE GRADE 2700 (Supplied by others). REFER TO PAGE 7.**

**STEP 2:** Attach HDPE Body Outer Panels and HDPE Body Inner Panels to Seat Weld Assemblies. **REFER TO PAGE 8.**

**STEP 3:** Attach HDPE Body Outer Panels to Seat Weld Assemblies. **REFER TO PAGE 8.**

**STEP 4:** Attach Crossbar Weld Assemblies to one set of Seat Weld Assembly and HDPE Body Panels. **REFER TO PAGE 9.**

**STEP 5:** Attach Inclusive See Saw Base Assembly to one set of Seat Weld Assembly and HDPE Body Panels. **REFER TO PAGE 9.**

**STEP 6:** Attach Crossbar Weld Assemblies to the remaining Seat Weld Assembly and HDPE Body Panels. **REFER TO PAGE 10.**

**STEP 7:** Attach Inclusive See Saw Base Assembly to the remaining Seat Weld Assembly and HDPE Body Panels. **REFER TO PAGE 10.**

**STEP 8:** Attach HDPE Crossbar Cover to Crossbar Weld Assemblies. **REFER TO PAGE 11.**

**STEP 9:** Attach HDPE Middle Panel to Inclusive See Saw Base Assembly. **REFER TO PAGE 11.**

**STEP 10:** Attach HDPE Seat Panels and HDPE Seat Back Panels to Seat Weld Assemblies. **REFER TO PAGE 12.**

# SPECIFICATIONS

**INCLUSIVE SEE SAW BASE ASSEMBLY:** Shall be fabricated from 11-13/16" x 7-7/8" x 1/4" wall rectangular tubing, 11 Gauge (.120") H.R. Steel, 3/8" Thick H.R. Steel, 3/16" Thick H.R. Steel, 1/4" Thick H.R. Steel, and Spring Assembly. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**INCLUSIVE SEE SAW FOOTBUCK WELD ASSEMBLY:** Shall be fabricated from 5" O.D. x .120" (11 Gauge) wall galvanized steel tubing and 1/4" Thick H.R. Steel. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**SEAT WELD ASSEMBLY:** Shall be fabricated from 1/4" Thick H.R. Steel. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**CROSSBAR WELD ASSEMBLY:** Shall be fabricated from 1-5/16" O.D. x .083" (14 Gauge) wall galvanized steel tubing, 1/4" Thick H.R. Steel, and threaded crimped insert. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

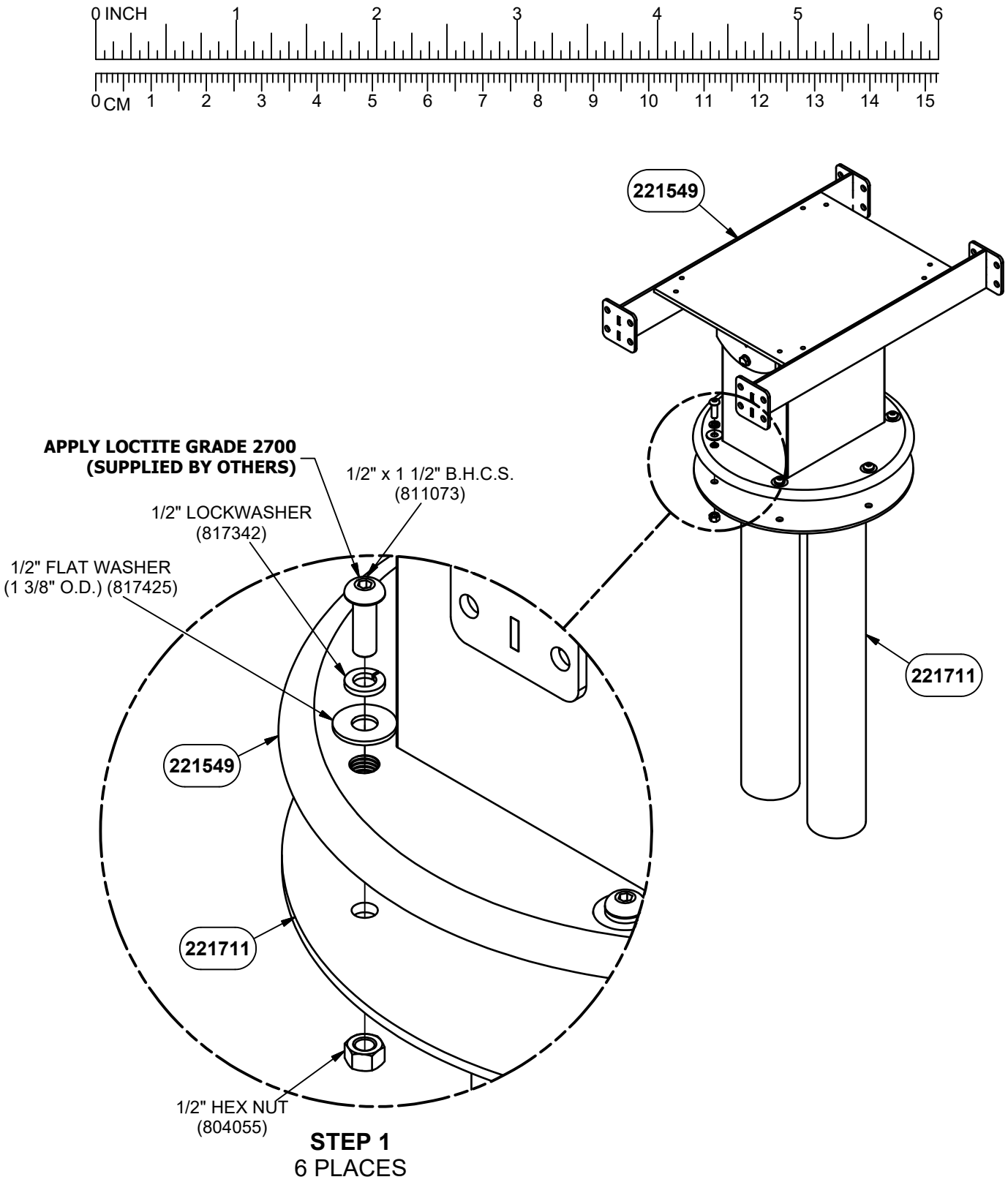
**HDPE PANELS:** Shall be fabricated from 1/2” thick (solid) high density, UV-stabilized and color impregnated polyethylene.

**HDPE MIDDLE PANEL:** Shall be fabricated from 3/4” thick (solid) high density, UV-stabilized and color impregnated polyethylene.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

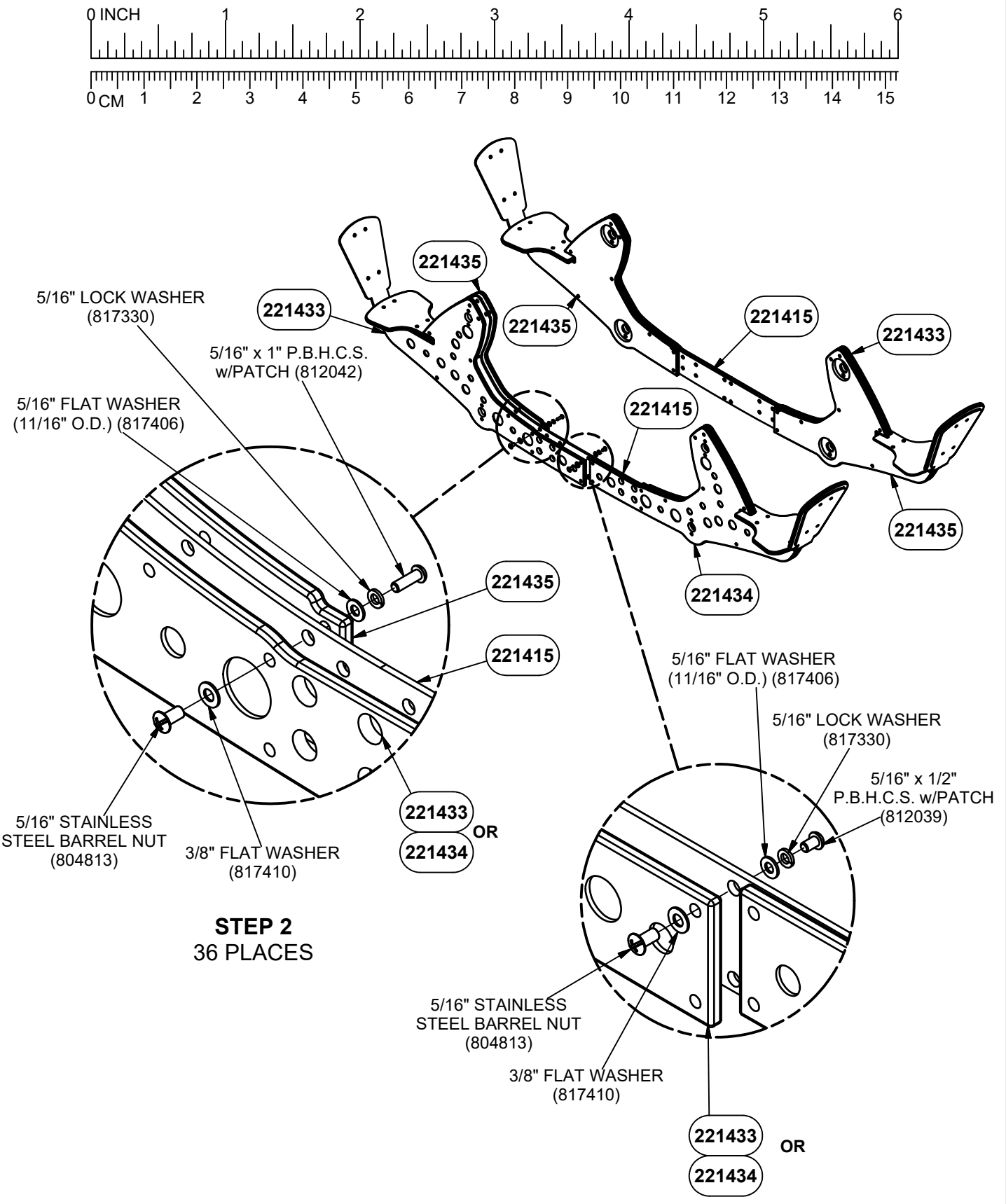
**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.




**STEP 1**
6 PLACES

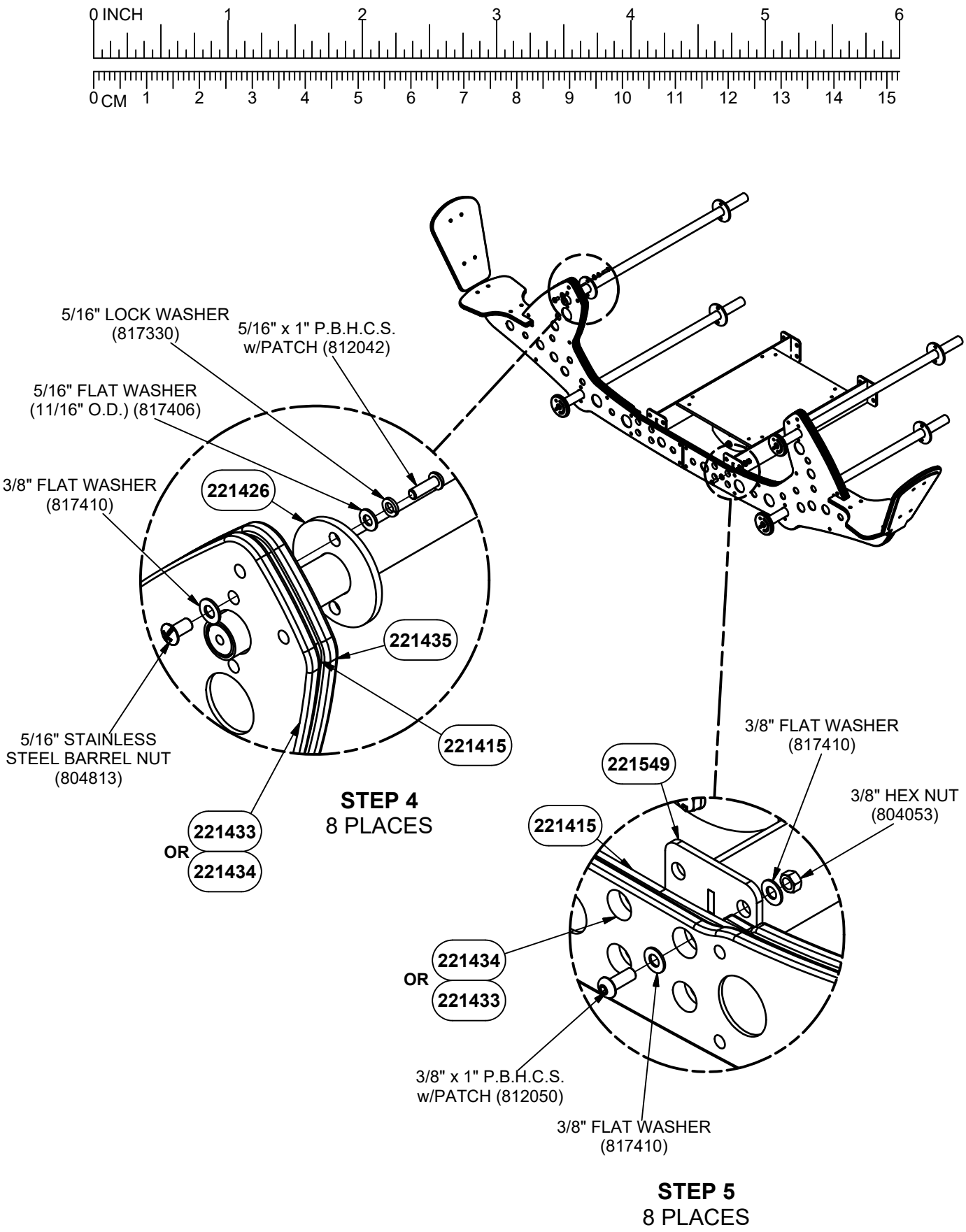
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW



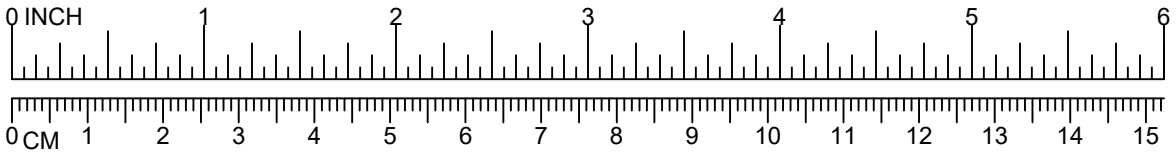

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

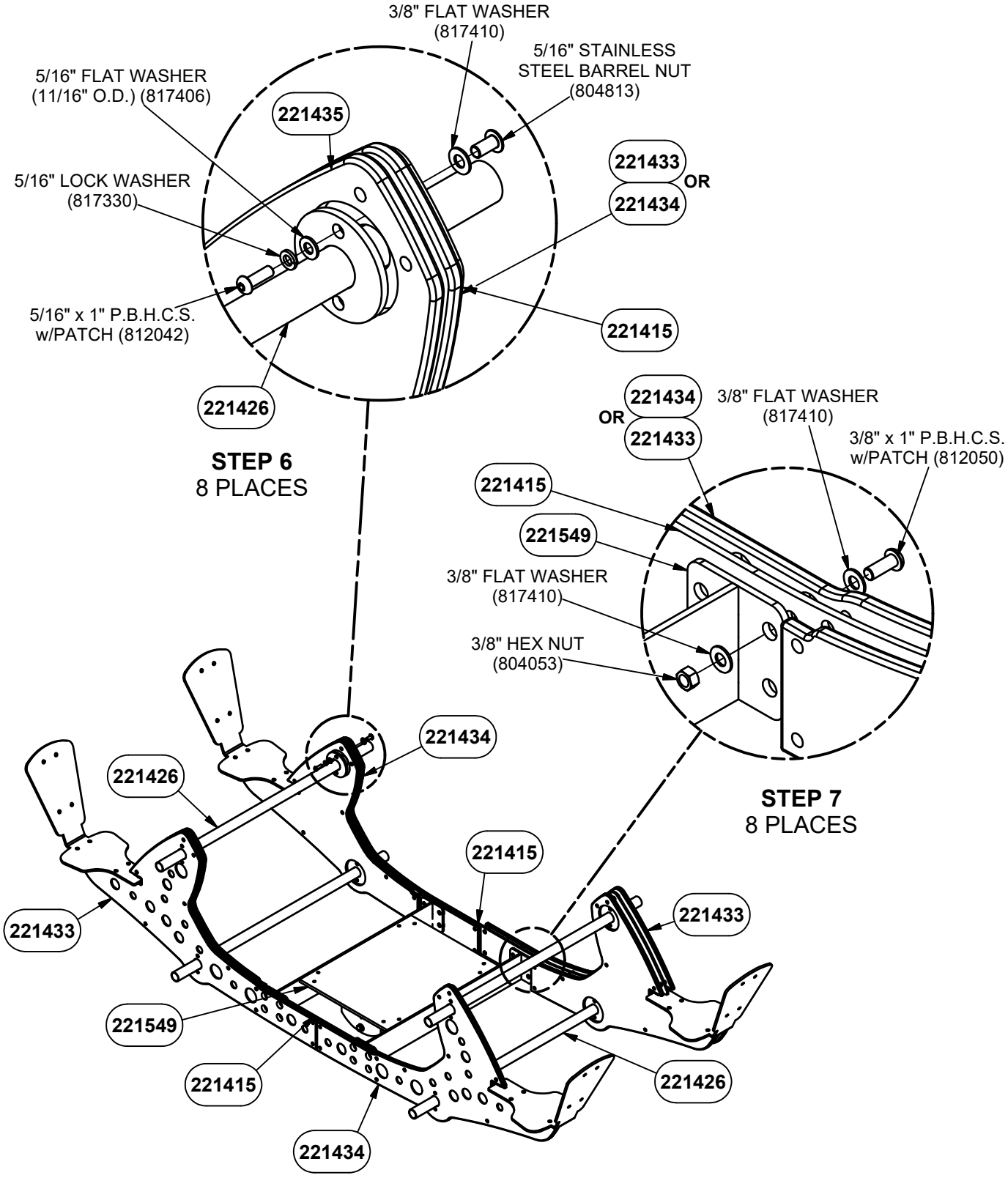
## DETAIL VIEW




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

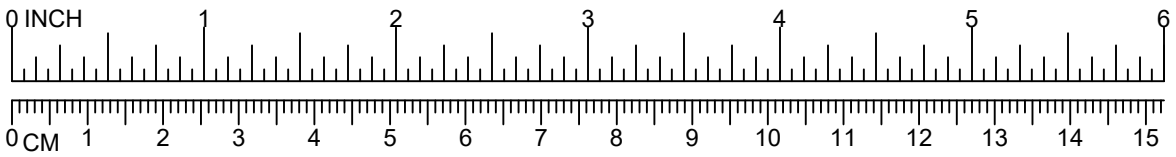
## DETAIL VIEW

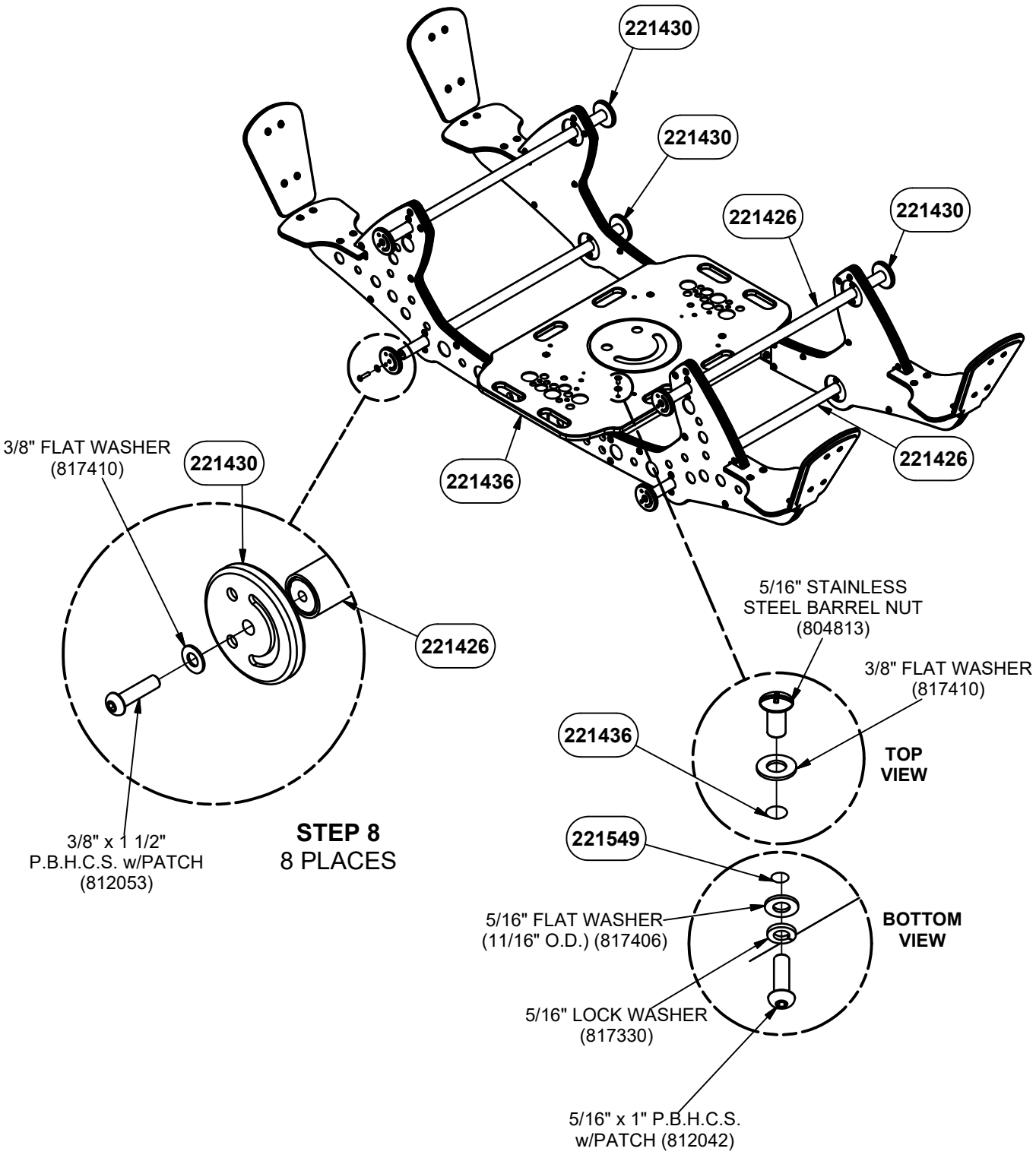



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

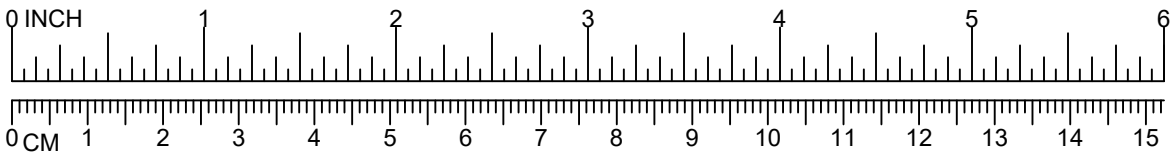


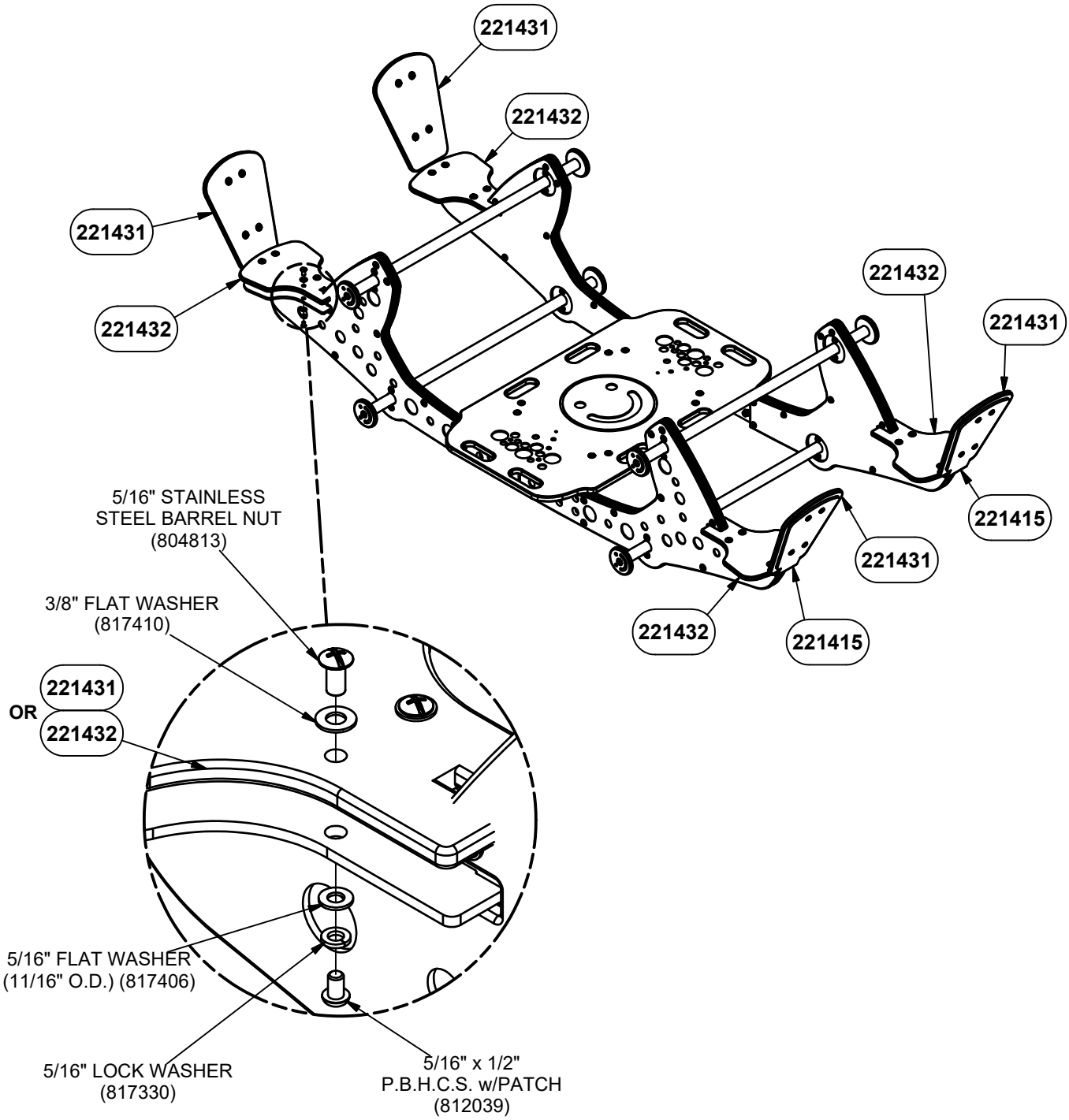




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**STEP 9**
8 PLACES

## DETAIL VIEW




**STEP 10**
32 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| INCLUSIVE SEE SAW BASE ASSEMBLY | 1 | 221549 |
| INCLUSIVE SEE SAW FOOTBUCK WELD ASSEMBLY | 1 | 221711 |
| SEAT WELD ASSEMBLY | 2 | 221415 |
| CROSSBAR WELD ASSEMBLY | 4 | 221426 |
| HDPE CROSSBAR COVER | 8 | 221430 |
| HDPE SEAT BACK PANEL | 4 | 221431 |
| HDPE SEAT PANEL | 4 | 221432 |
| HDPE BODY OUTER PANEL 1 | 2 | 221433 |
| HDPE BODY OUTER PANEL 2 | 2 | 221434 |
| HDPE BODY INNER PANEL | 4 | 221435 |
| HDPE MIDDLE PANEL | 1 | 221436 |
| ***HARDWARE COMPLETE*** | 1 | 224482 |
| 5/16" x 1/2" P.B.H.C.S. w/PATCH | 40 | 812039* |
| 5/16" x 1" P.B.H.C.S. w/PATCH | 60 | 812042* |
| 5/16" FLAT WASHER (11/16" O.D.) | 100 | 817406* |
| 5/16" LOCK WASHER | 100 | 817330* |
| 5/16" STAINLESS STEEL BARREL NUT | 100 | 804813* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 16 | 812050* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 8 | 812053* |
| 3/8" FLAT WASHER | 140 | 817410* |
| 3/8" HEX NUT | 16 | 804053* |
| 1/2" x 1 1/2" B.H.C.S. | 6 | 811073* |
| 1/2" FLAT WASHER (1 3/8" O.D.) | 6 | 817425* |
| 1/2" LOCKWASHER | 6 | 817342* |
| 1/2" HEX NUT | 6 | 804055* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

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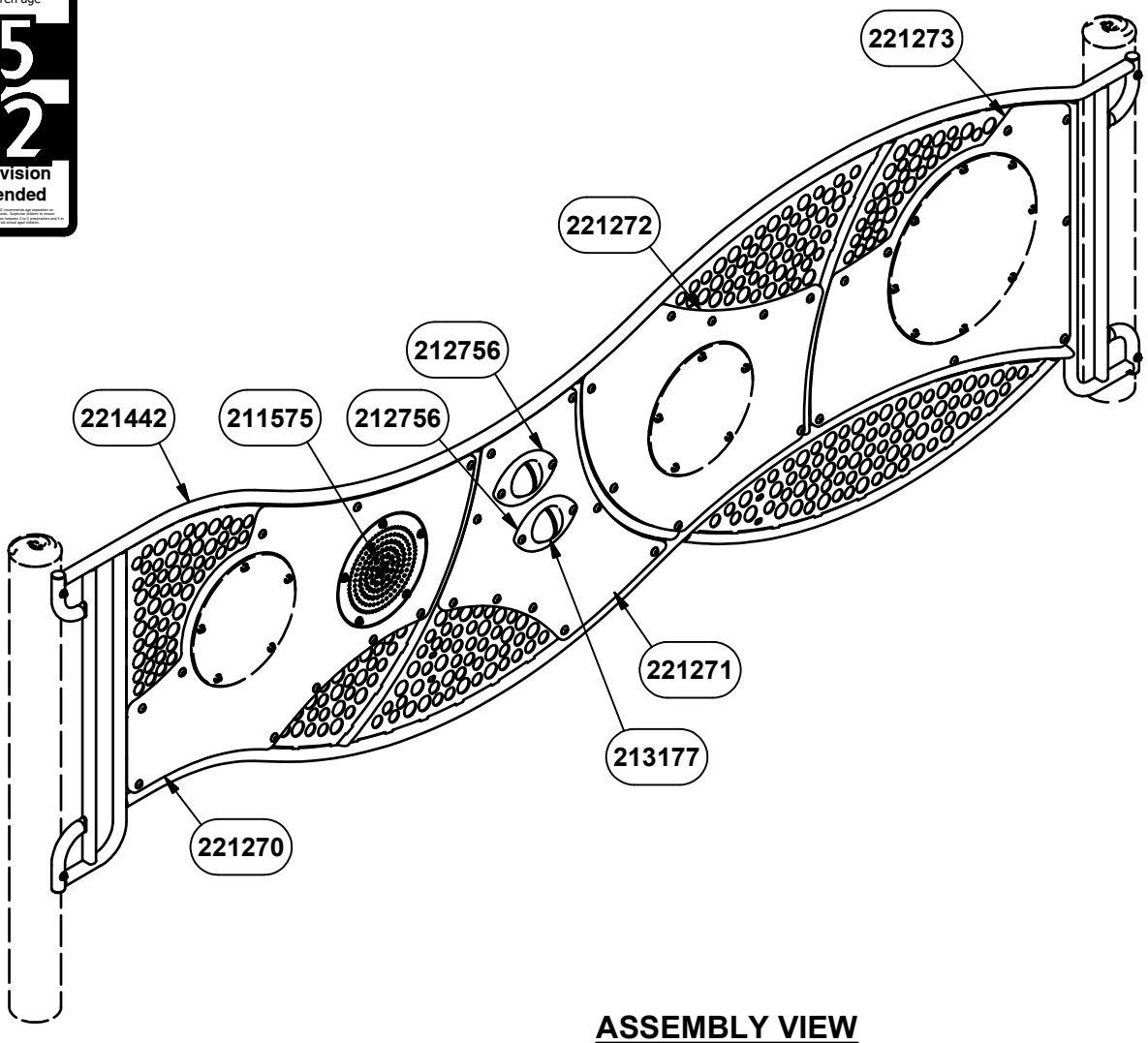
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ISSUED/REVISED: 5/16/2022

# 6301

# SENSORY WAVE WALL



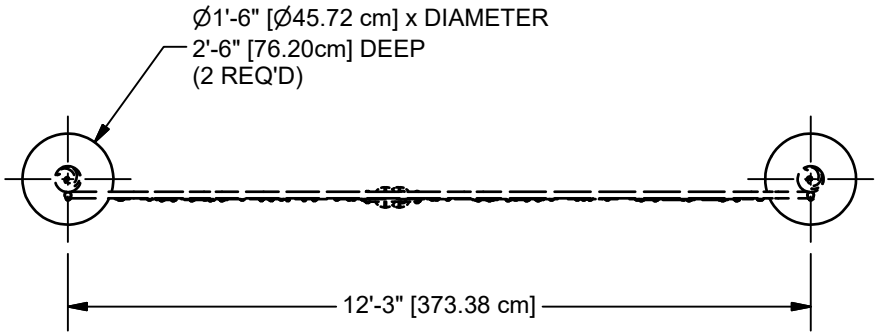




**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

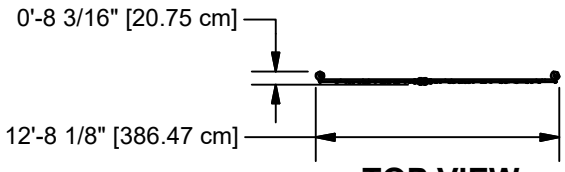
**NOTE:** ALL OPENINGS ON WALL MUST BE FILLED WITH A SENSOR BEFORE PLAYGROUND IS OPERATIONAL



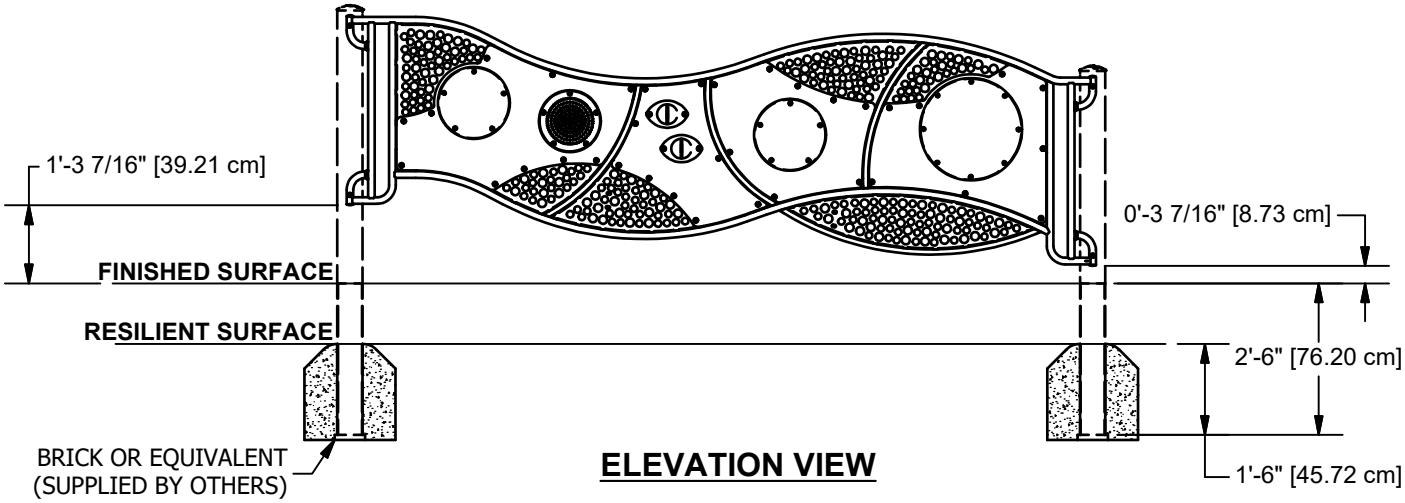

**PLAN VIEW**

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

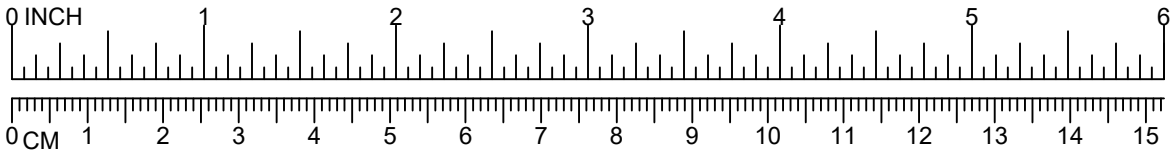
**CONCRETE REQUIRED**
.20 CUBIC YARDS
[.15 CUBIC METERS]

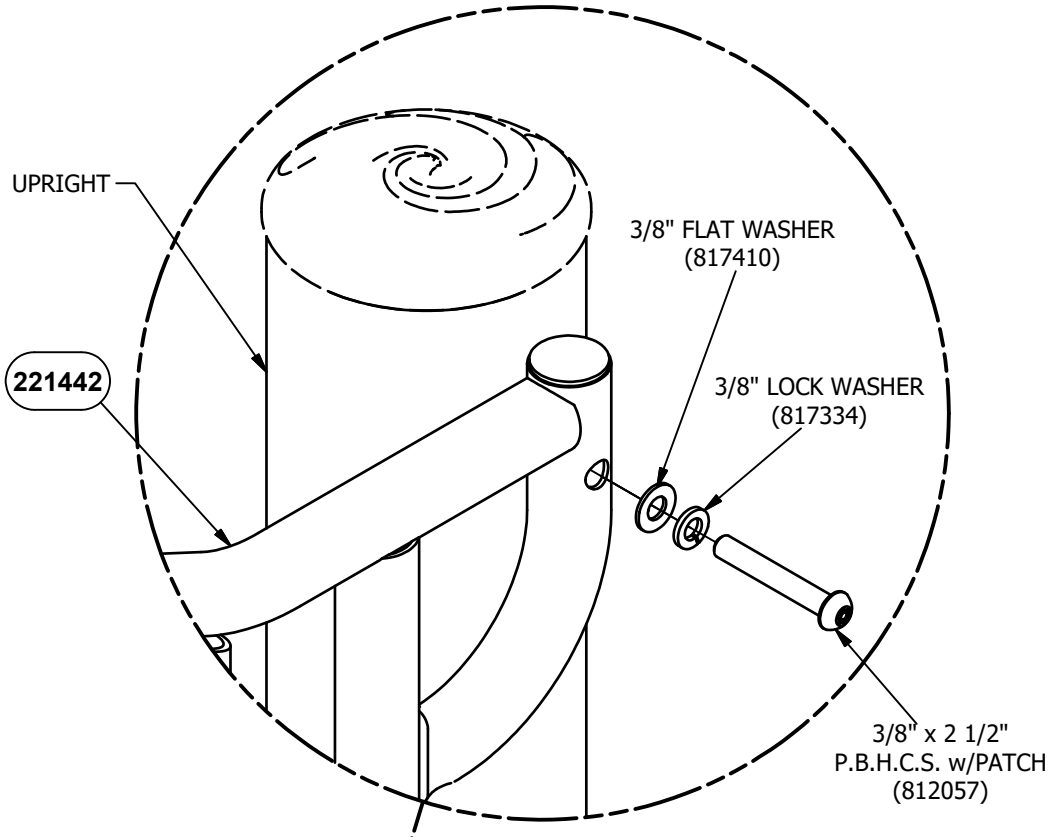



**TOP VIEW**

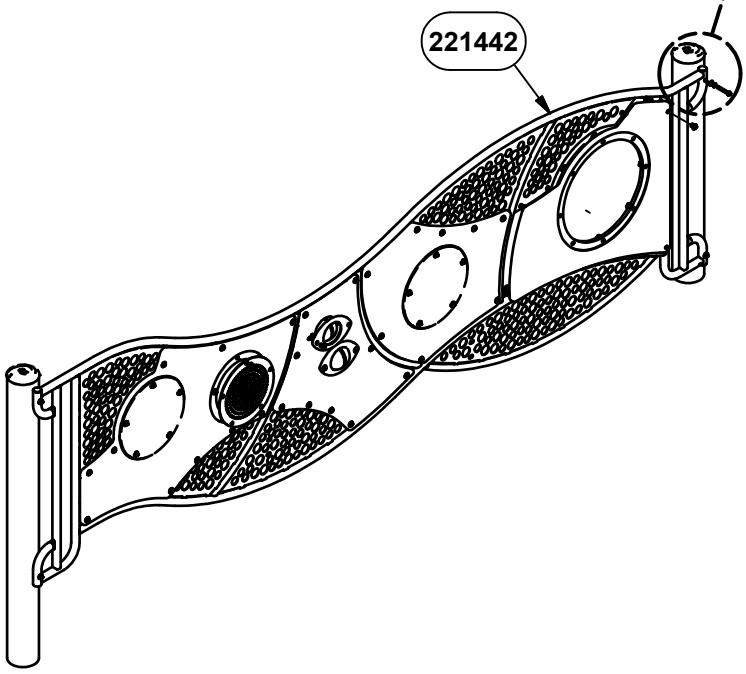



**ELEVATION VIEW**



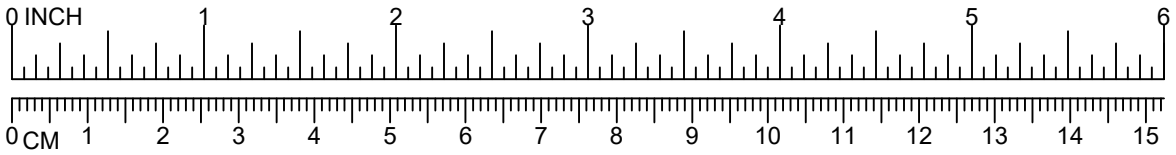



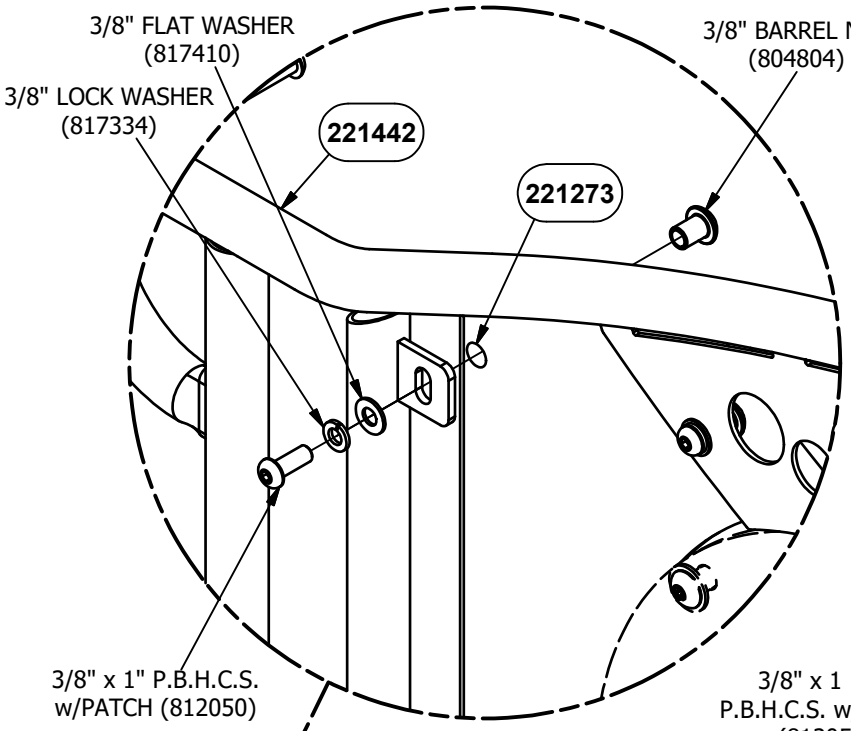

**STEP 1**
4 PLACES



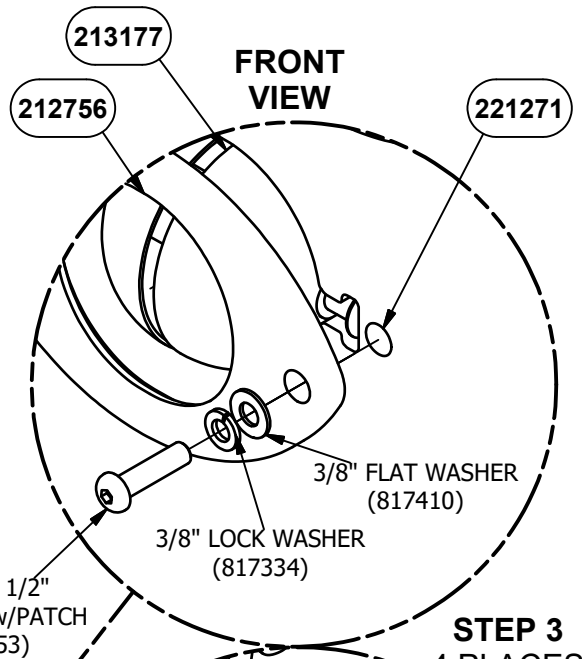

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



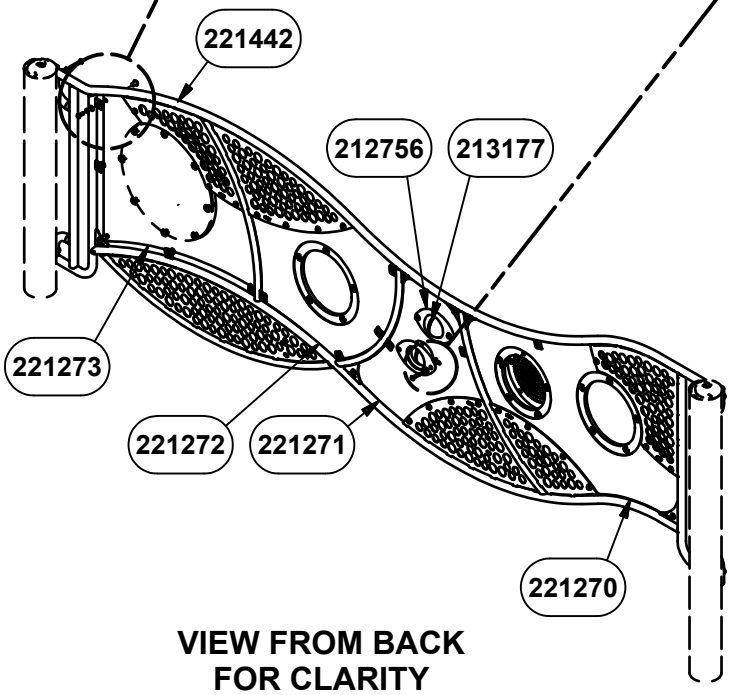




**STEP 2**
35 PLACES

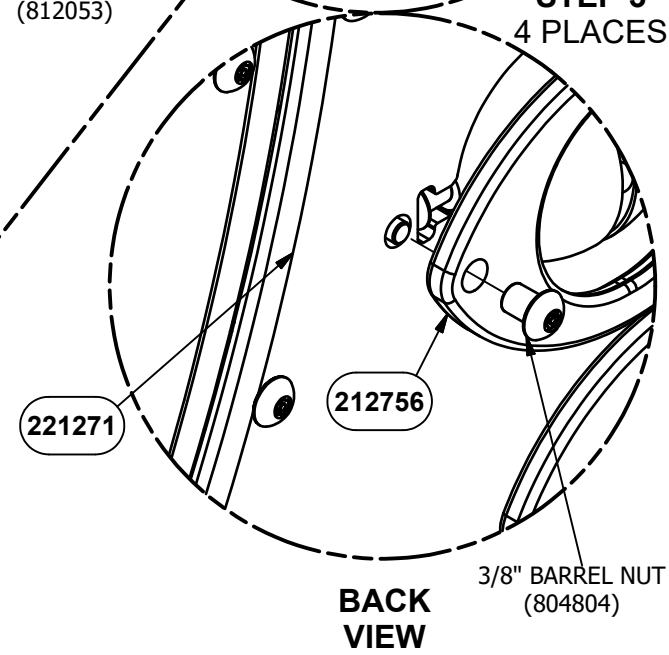



**STEP 3**
4 PLACES

**NOTE:** TO ALLOW FOR FREE SPINNING MOTION OF SPIN CHIME, DO NOT OVER TIGHTEN BOLTS DURING ASSEMBLY




**VIEW FROM BACK FOR CLARITY**



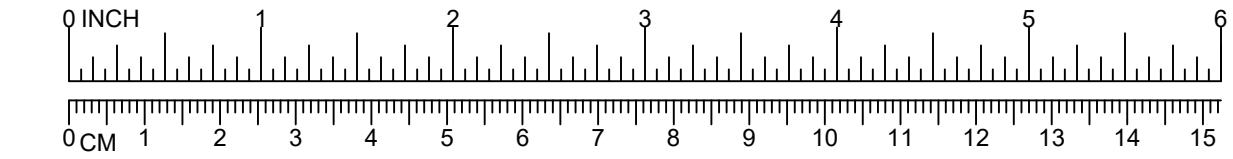

**BACK VIEW**

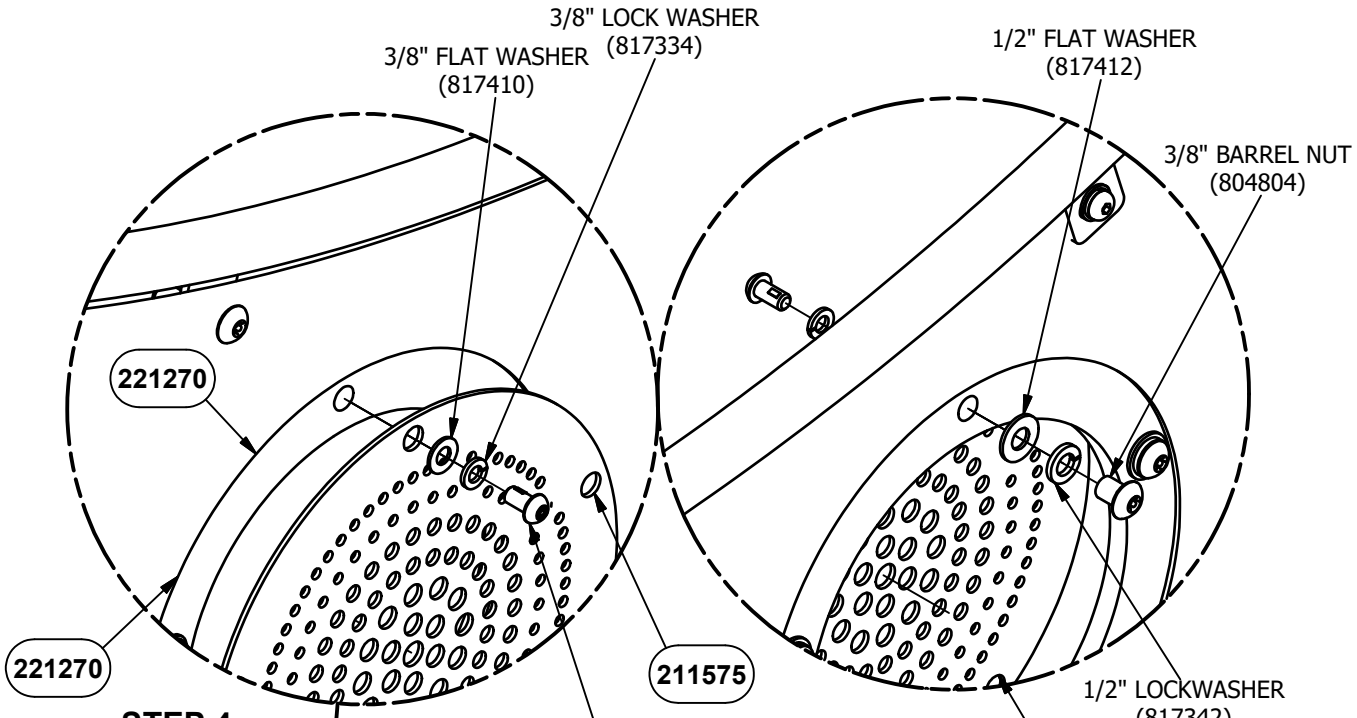
**NOTE 1:** HDPE PANEL PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** USING 221269 AS A TEMPLATE FIELD DRILL Ø9/16" HOLES IN HDPE PANELS.

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

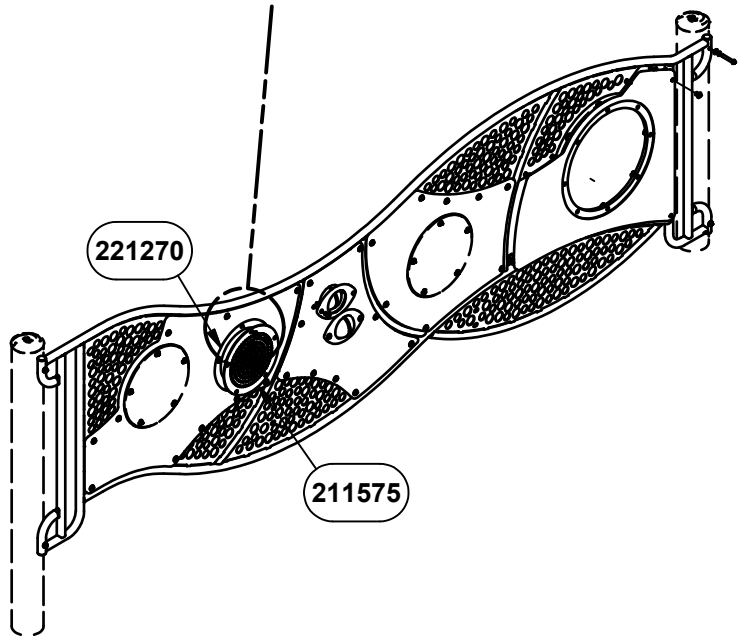



**STEP 4**
5 PLACES

**FRONT VIEW**

**BACK VIEW**




**DETAIL VIEW**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# SPECIFICATIONS

**METAL FILLER:** Shall be fabricated from .120" (11 Gauge) Thick H.R. Steel. Fabricated Parts shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**WALL WELD ASSEMBLY:** Shall be fabricated from 1-5/16" O.D. x .109" (12 Gauge) wall galvanized steel tubing and 1-1/16" O.D. x .072" (15 Gauge) wall galvanized steel tubing and .120" (11 Gauge) Thick H.R. Steel and 3/16" Thick H.R. Steel. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

**HDPE PANELS:** Shall be made from 3/4” thick (solid) high density, UV-stabilized and color impregnated polyethylene.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| WALL WELD ASSEMBLY | 1 | 221442 |
| METAL FILLER | 1 | 211575 |
| SPIN CHIME COVER | 4 | 212756 |
| SPIN CHIME BELL ASSEMBLY | 2 | 213177 |
| HDPE PANEL | 1 | 221273 |
| HDPE PANEL 2 | 1 | 221272 |
| HDPE PANEL 3 | 1 | 221271 |
| HDPE PANEL 4 | 1 | 221270 |
| **HARDWARE COMPLETE** | 1 | 221443 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 5 | 812052* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 35 | 812050* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 812053* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 4 | 812057* |
| 3/8" FLAT WASHER | 48 | 817410* |
| 3/8" BARREL NUT | 44 | 804804* |
| 3/8" LOCK WASHER | 48 | 817334* |
| 1/2" FLAT WASHER | 5 | 817412* |
| 1/2" LOCKWASHER | 5 | 817342* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

# 6372

GameTime
A PLAYCORE Company
1-800-235-2440

**ISSUED/REVISED: 1/9/2023**

# SPIN WITH ME (WITH HANDLE)

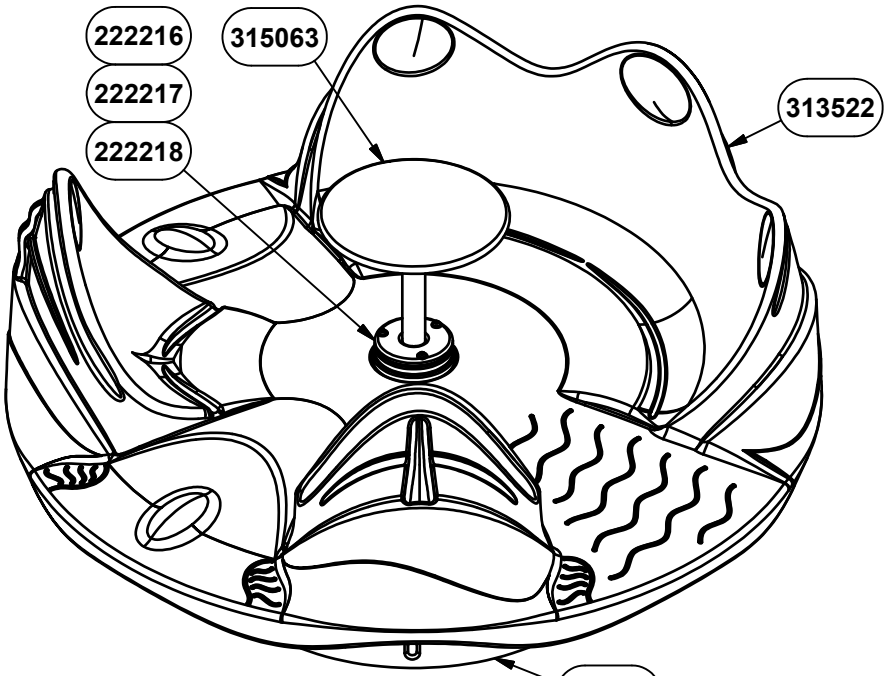



**COMPLIES WITH ASTM GUIDELINES**

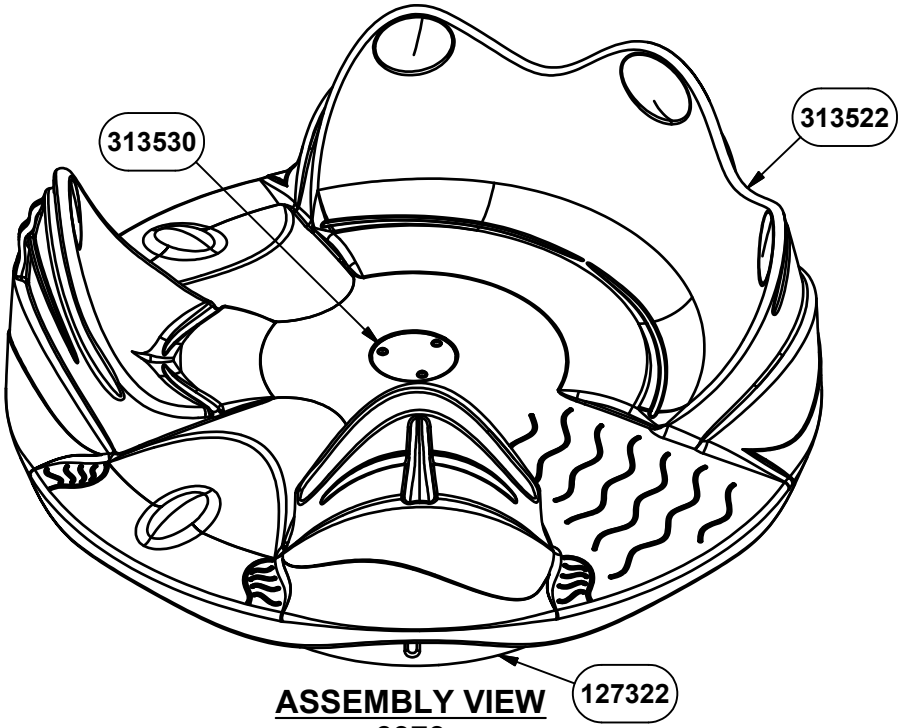



**COMPLIES WITH CPSC AND CSA GUIDELINES**

**SPIN WITH ME 6373**



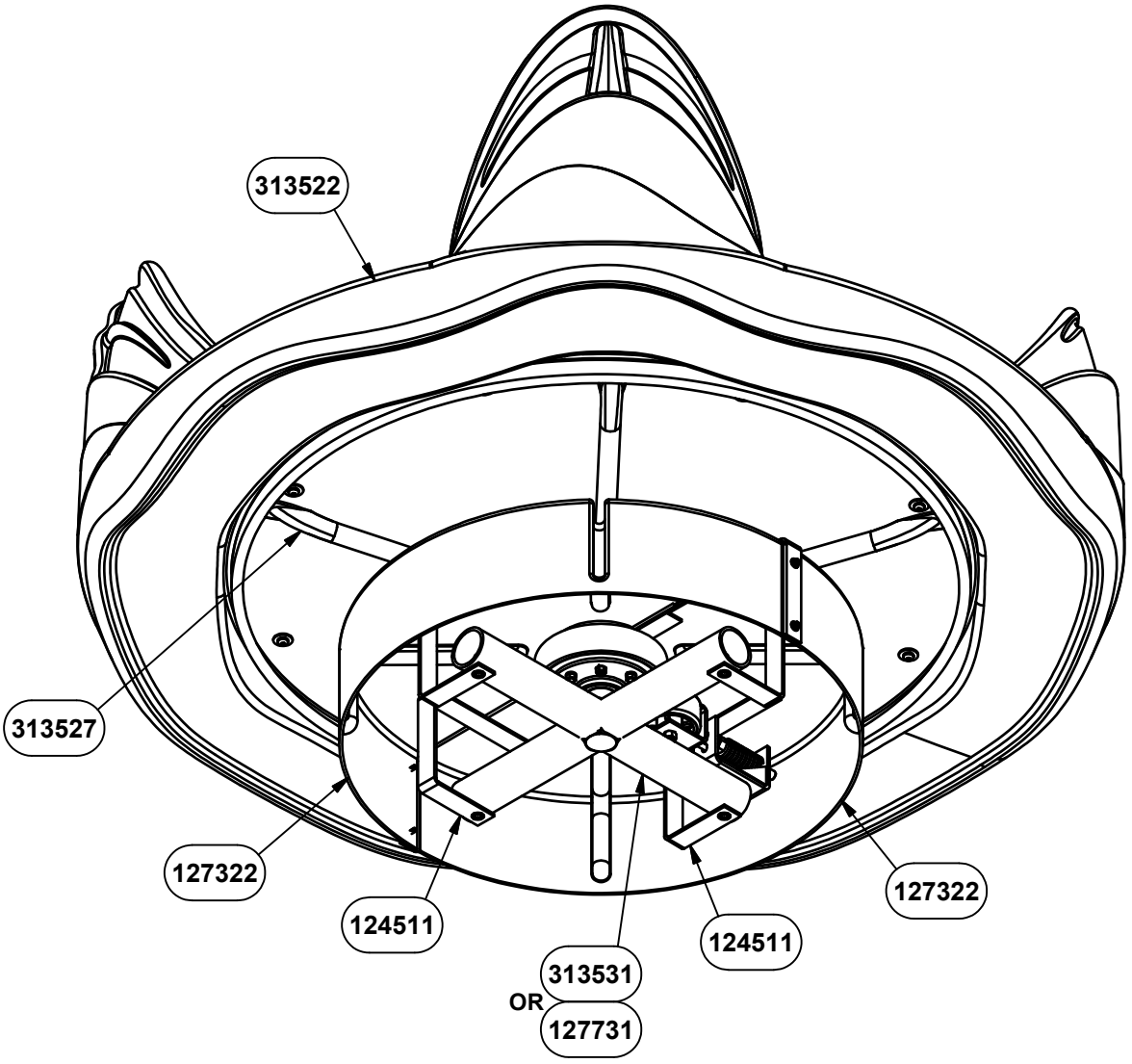

**ASSEMBLY VIEW**
6372



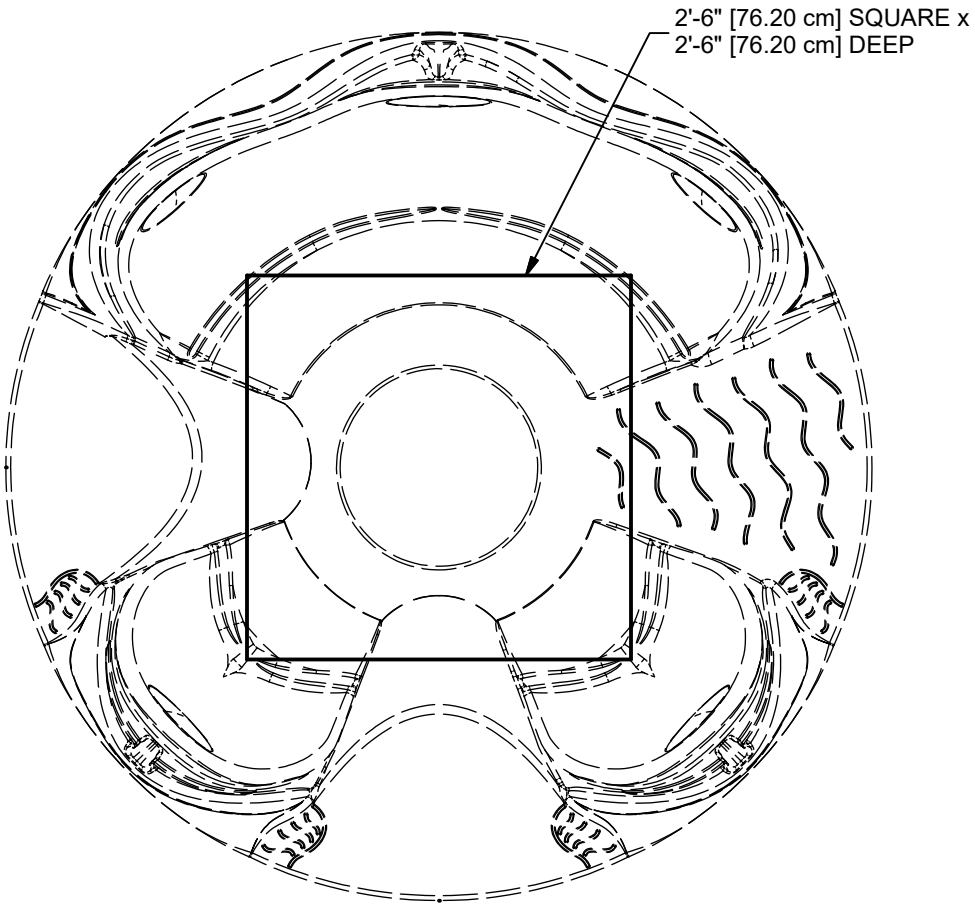

**ASSEMBLY VIEW**
6373

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



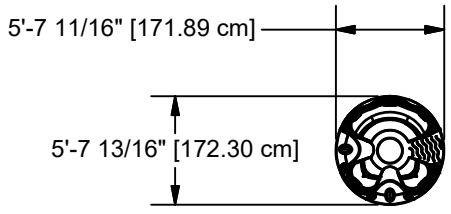

**ASSEMBLY VIEW**



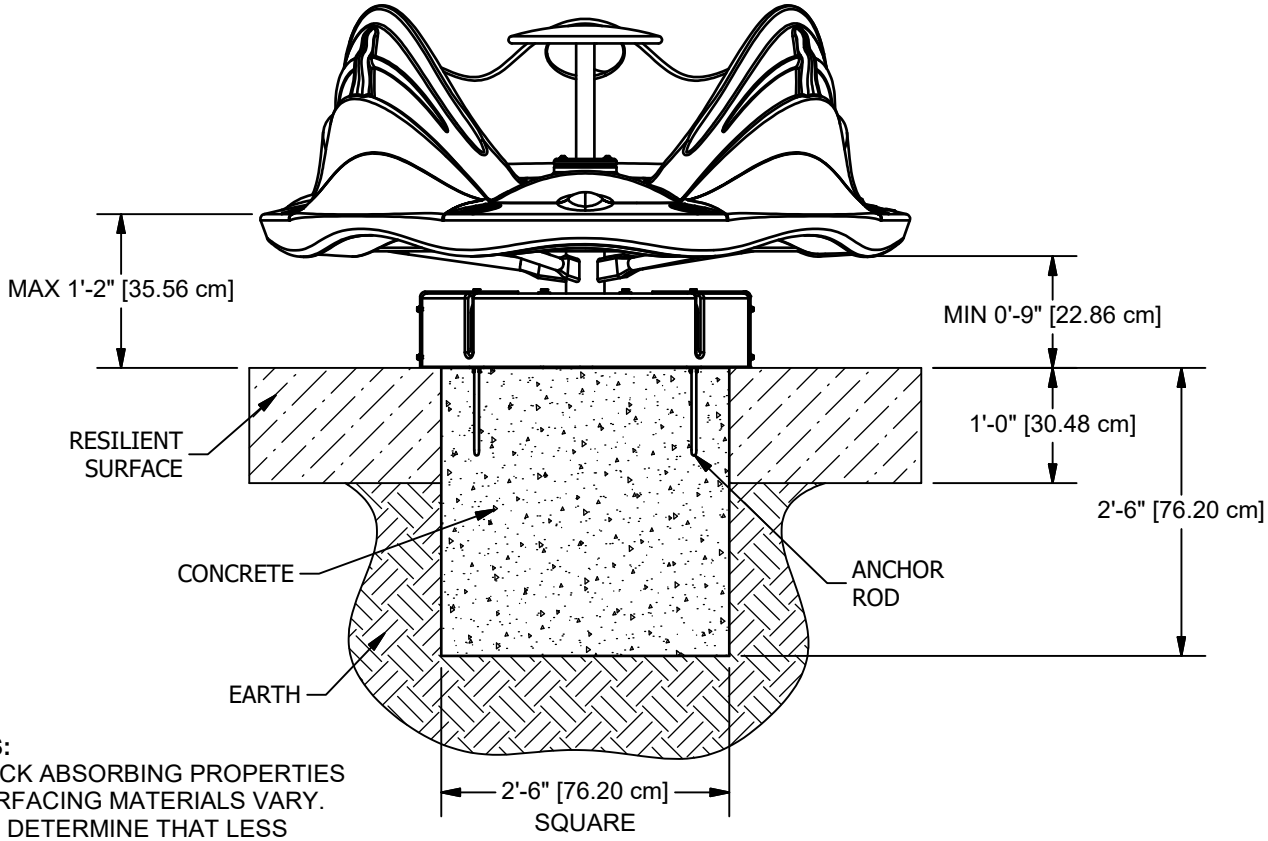

**PLAN VIEW**
6372 SHOWN
6373 SIMILAR

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED:**
0.58 CUBIC YARDS
[0.44 CUBIC METERS]

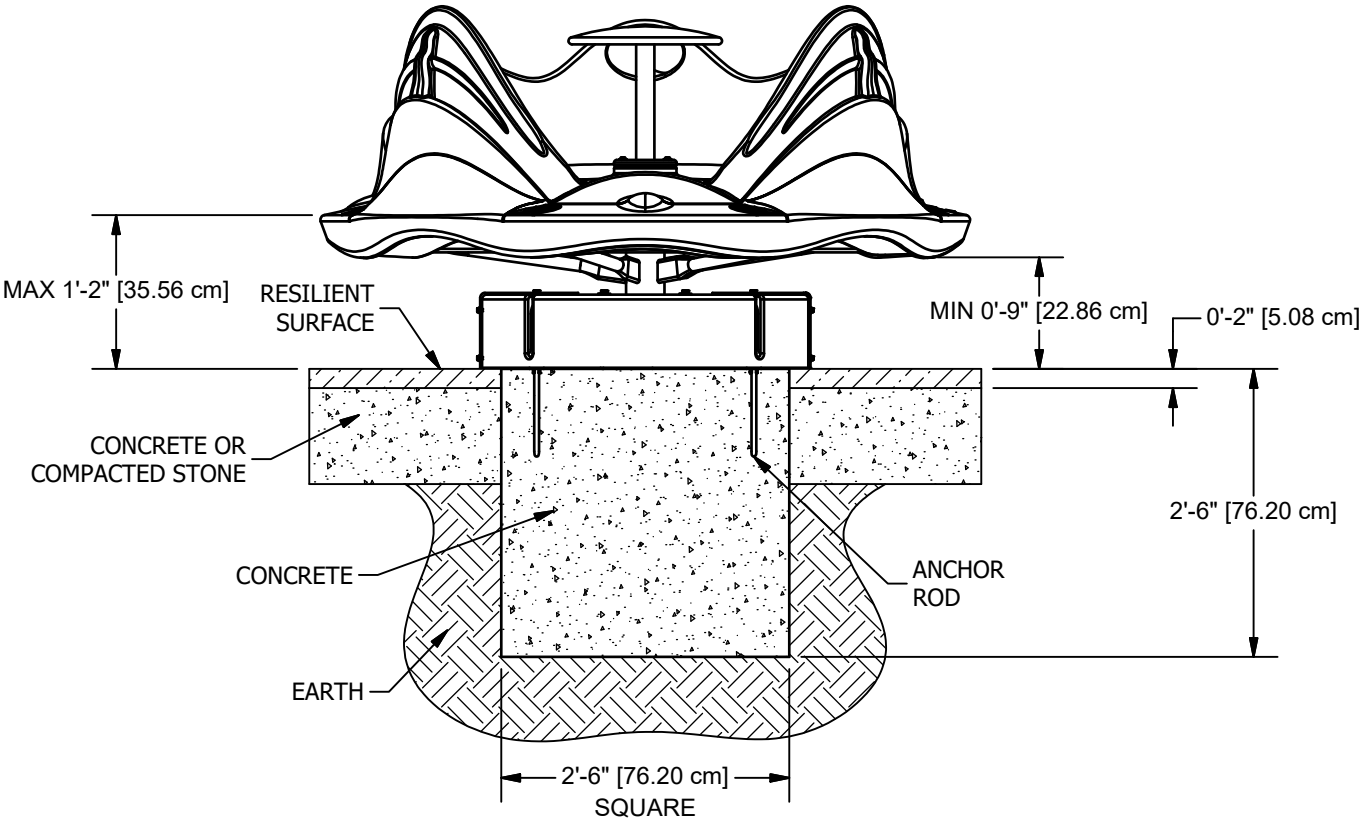



**TOP VIEW**
6372 SHOWN
6373 SIMILAR



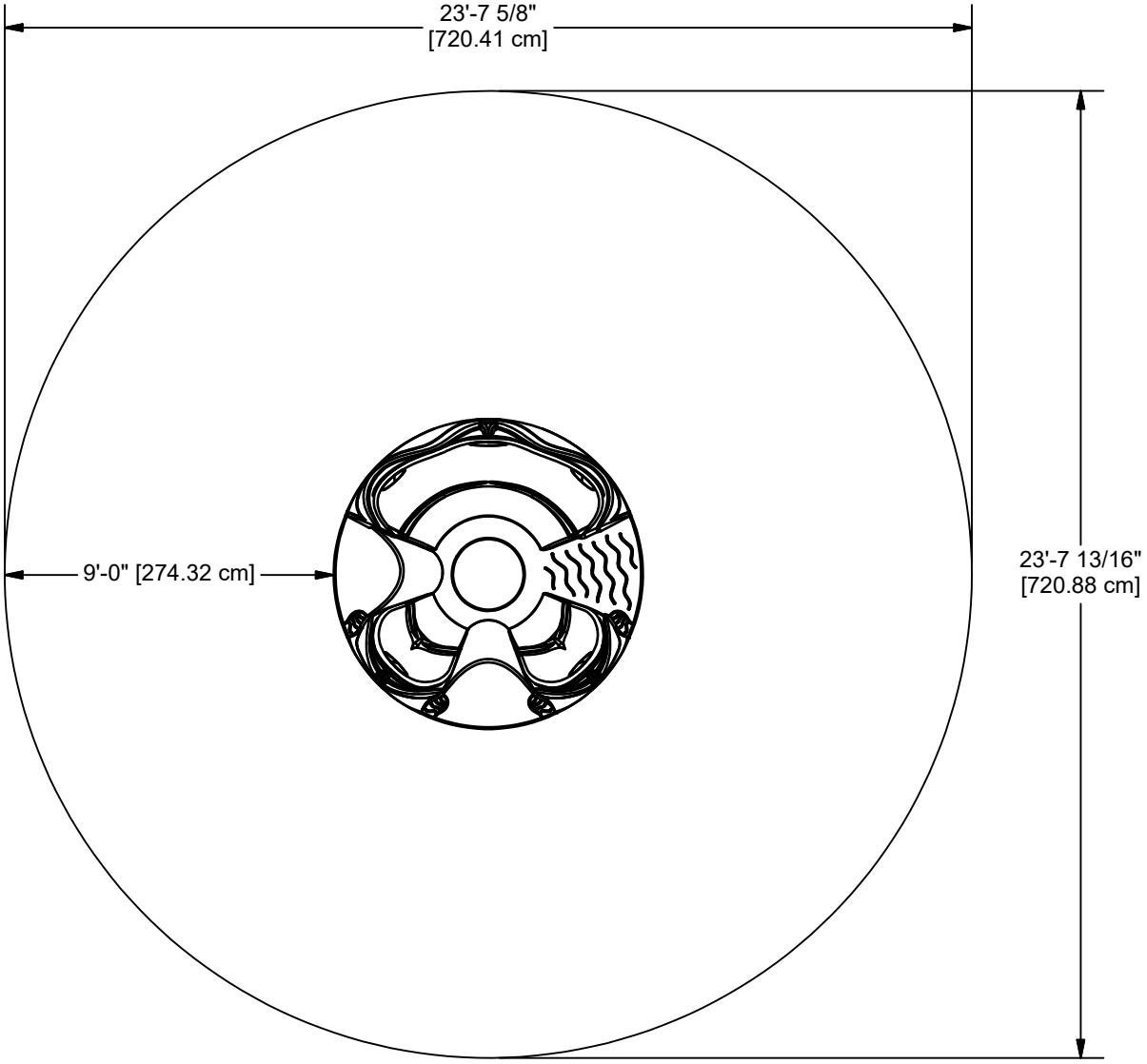

**NOTES:**
1. SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48 cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYIING SURFACING.
2. MINIMUM CONCRETE RATING: 3000 PSI.

**ELEVATION VIEW**
6372 SHOWN
6373 SIMILAR




**ELEVATION VIEW**
SURFACE MOUNT

**NOTES:**
1. THIS WHIRL SHALL BE INSTALLED IN A LOW-TRAFFIC AREA.
2. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF THIS WHIRL TO COMPLY WITH ASTM F-1292 AND F-1487 (U.S.) OR CAN/CSA Z-614 (CANADA).




**USE ZONE**
6372 SHOWN
6373 SIMILAR

# IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

**NOTE:** Refer to Detail Views for the specific hardware required in each connection.

**STEP 1:** Attach 1/2" Hex Nut on 1/2" Anchor Rod leaving 1-1/4" (3.18 cm) of thread exposed prior to installing Shield Mounting Brackets and Base Assembly w/Brake. **REFER TO PAGE 8.**

**STEP 2:** Attach Shield Mounting Brackets and Base Assembly w/Brake to Anchor Rods. **REFER TO PAGE 8.**

**STEP 3:** Place Shield Mounting Brackets and Base Assembly w/Brake onto concrete and force 1/2" Anchor Bolts into concrete until Shield Mounting Brackets are flush with the top of concrete. Temporary bracing may be required until concrete cures. **REFER TO PAGE 9.**

**NOTE: ALLOW CONCRETE TO CURE AT LEAST 48 HOURS BEFORE PROCEEDING.**

**STEP 4:** Attach 48" Dia. Platform Assembly to Base Assembly w/Brake. **REFER TO PAGE 10.**

**STEP 5:** Attach Whirl Brake Covers to Shield Mounting Brackets. **REFER TO PAGE 11.**

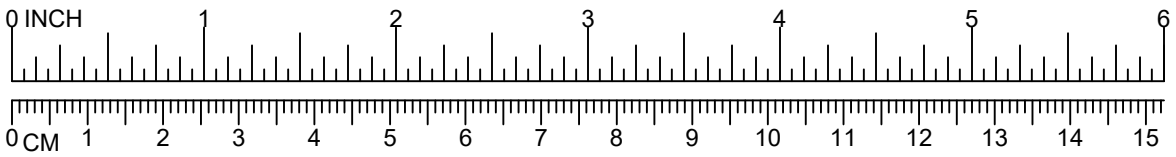
**STEP 6:** Attach Whirl Brake Covers together. **REFER TO PAGE 12.**

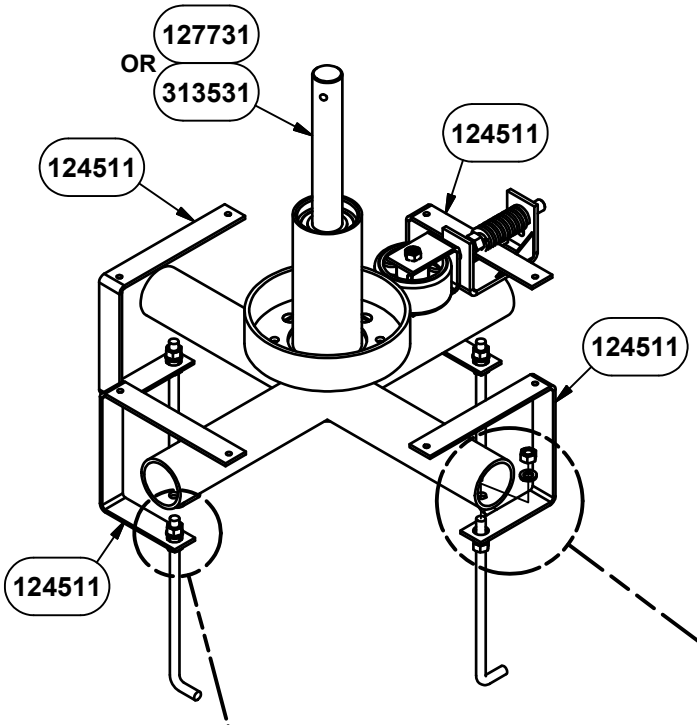
**STEP 7:** Attach Whirl to 48" Dia. Platform Assembly. **REFER TO PAGE 13.**

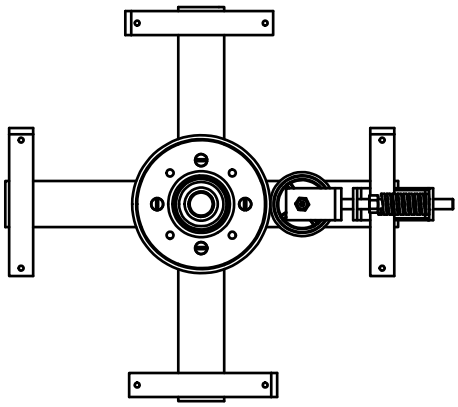
**STEP 8 (6373 ONLY):** Attach Cover Plate to Whirl. **REFER TO PAGE 14.**

**STEP 8 (6372 ONLY):** Attach Whirl Handle to Base Assembly w/Brake. **NOTE:** The Three HDPE Center Covers must be in position before installing Whirl Handle. **REFER TO PAGE 15.**

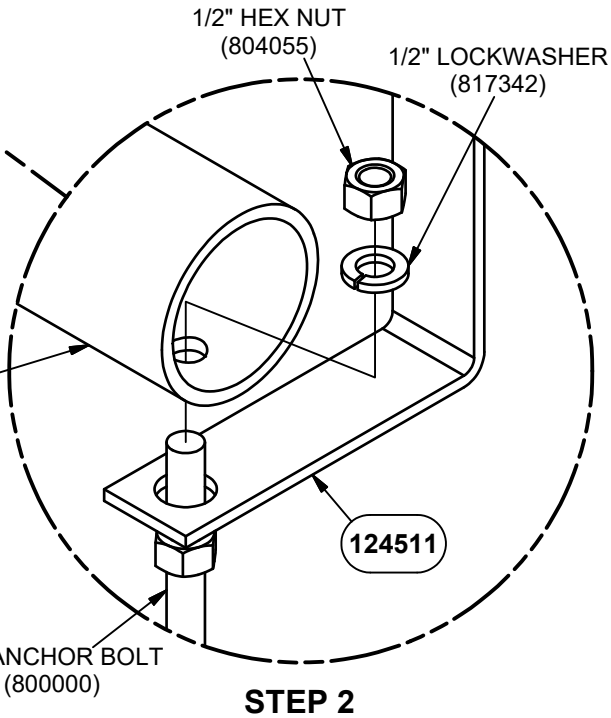
**STEP 9 (6372 ONLY):** Attach HDPE Center Covers to Whirl. **REFER TO PAGE 16.**



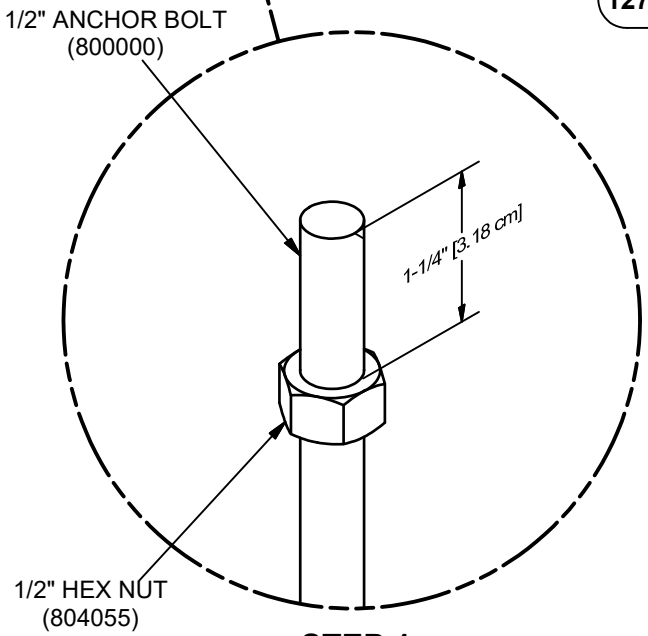



**TOP VIEW FOR BRACKET CLARITY ONLY**

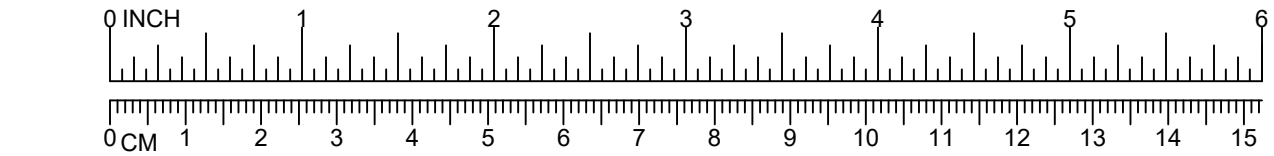


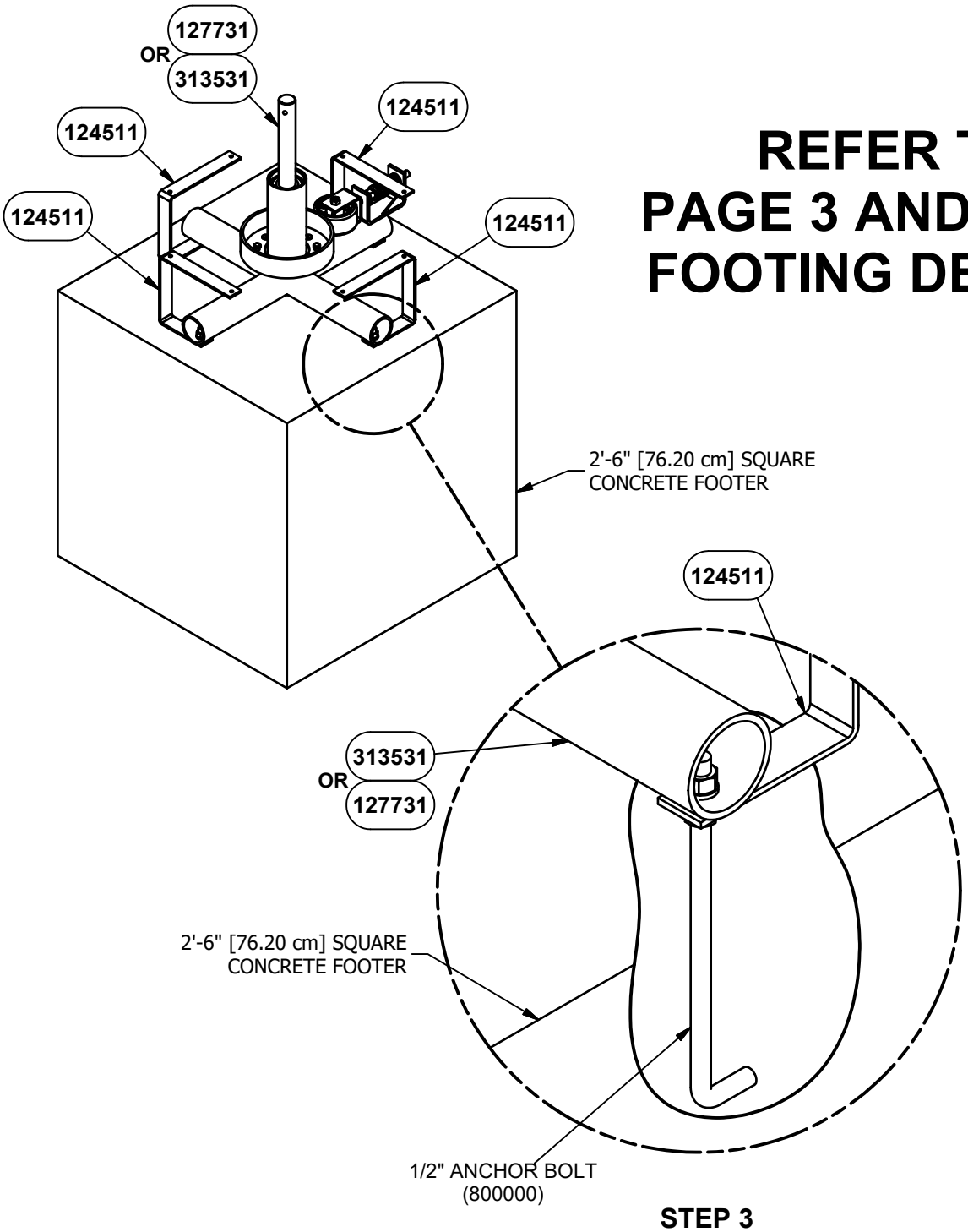

**STEP 2**
4 PLACES




**STEP 1**
4 PLACES

**DETAIL VIEW**



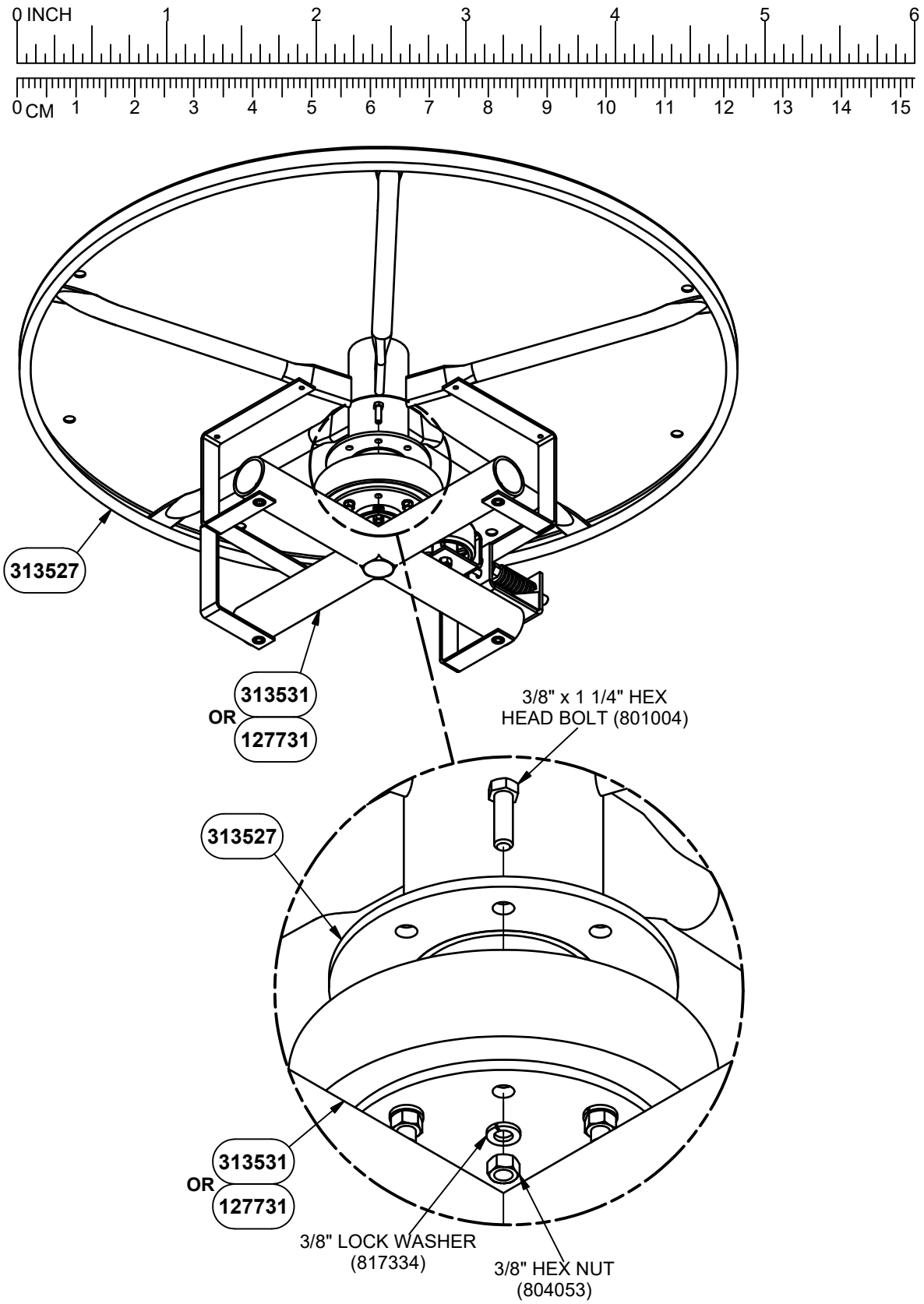




# REFER TO PAGE 3 AND 4 FOR FOOTING DETAILS

**STEP 3**
4 PLACES

**NOTE:** PLACE SHIELD MOUNTING BRACKETS AND BRACE ASSEMBLY w/BRAKE ONTO CONCRETE AND FORCE 1/2" ANCHOR BOLTS INTO CONCRETE UNTIL SHIELD MOUNTING BRACKETS ARE FLUSH WITH THE TOP OF CONCRETE. TEMPORARY BRACING MAY BE REQUIRED UNTIL CONCRETE CURES.
**ALLOW CONCRETE TO CURE AT LEAST 48 HOURS BEFORE PROCEEDING.**

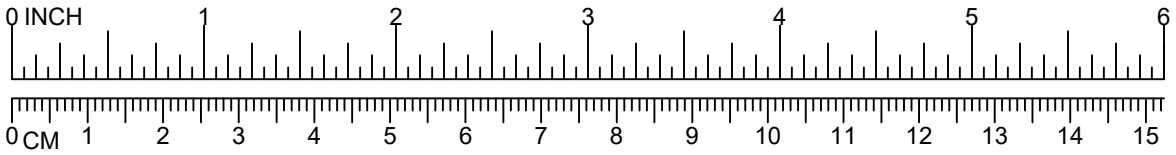
**DETAIL VIEW**

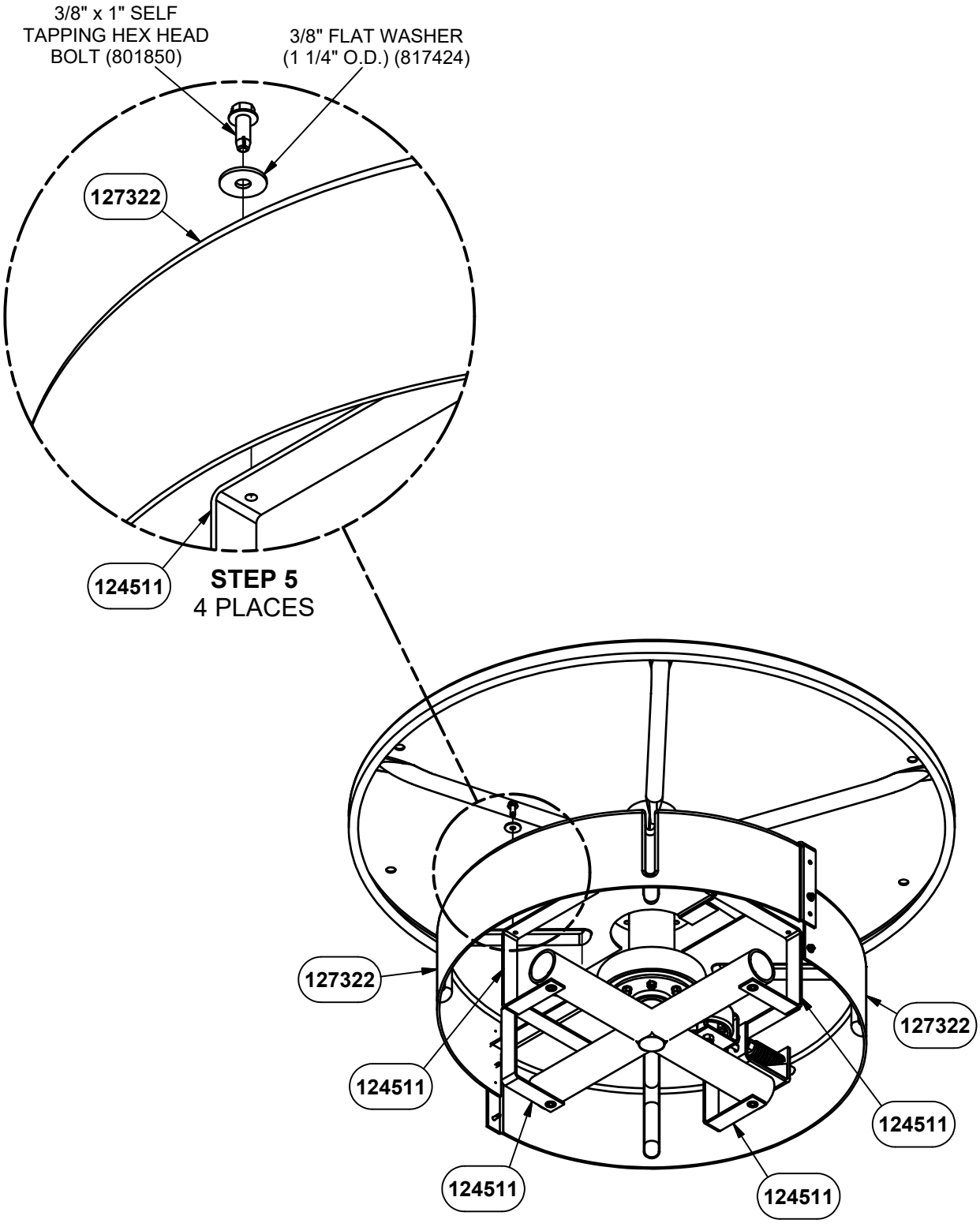



**STEP 4**
4 PLACES

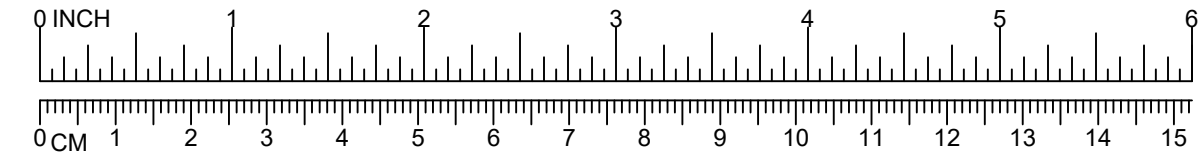
**NOTE:** ALLOW CONCRETE TO CURE AT LEAST 48 HOURS AFTER STEP 3 BEFORE PROCEEDING.

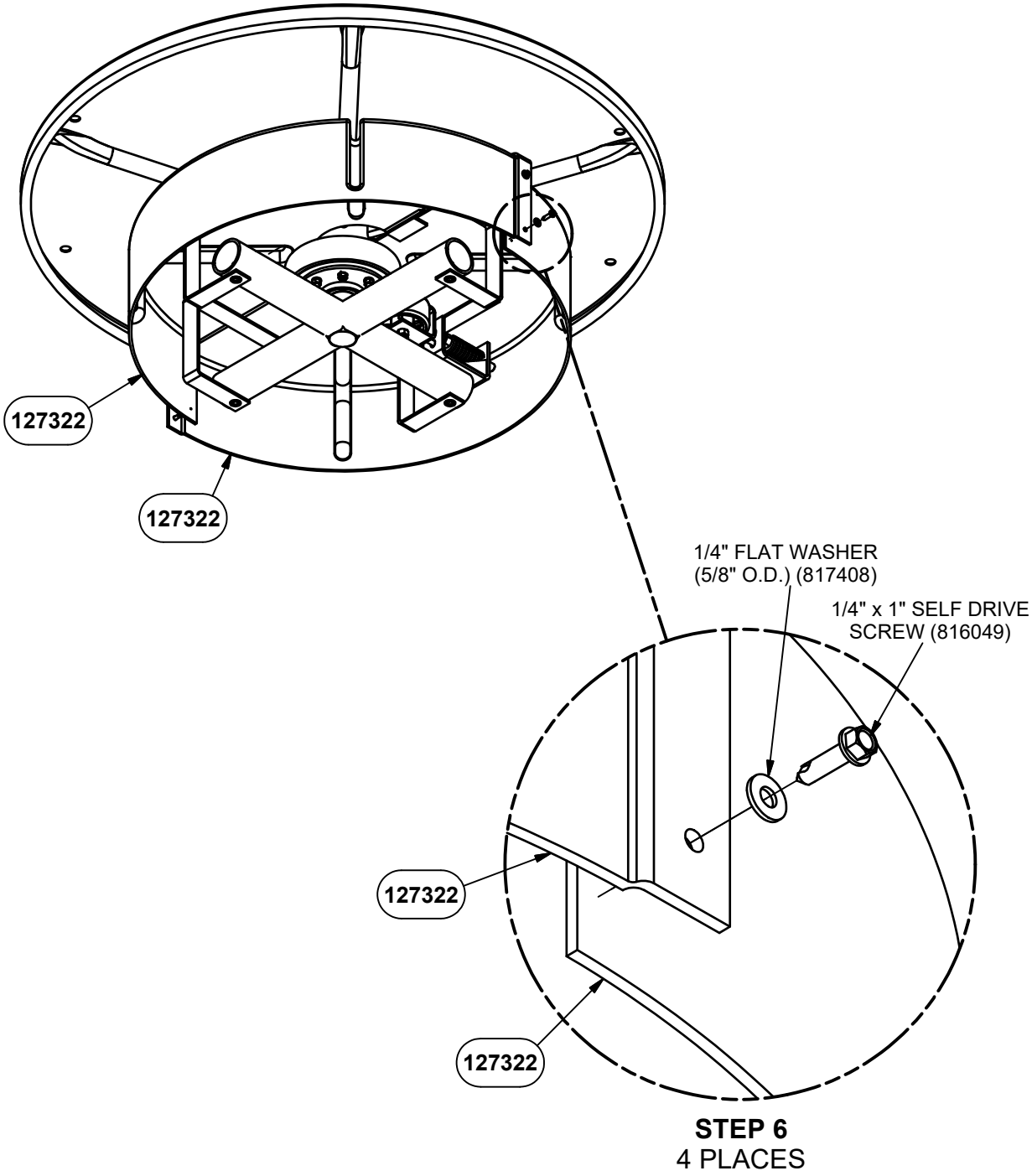
## DETAIL VIEW


0 INCH
1
2
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0 CM
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15


3/8" x 1" SELF TAPPING HEX HEAD BOLT (801850)
3/8" FLAT WASHER (1 1/4" O.D.) (817424)
127322
124511
STEP 5
4 PLACES
127322
124511
124511
124511
127322
124511

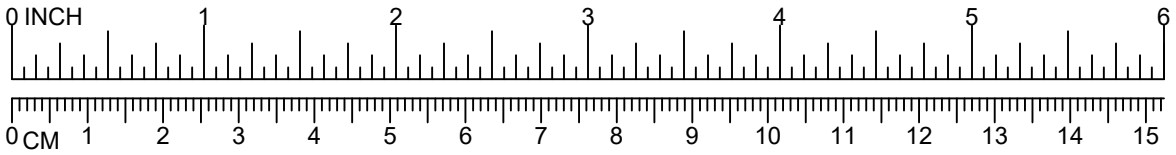
## DETAIL VIEW

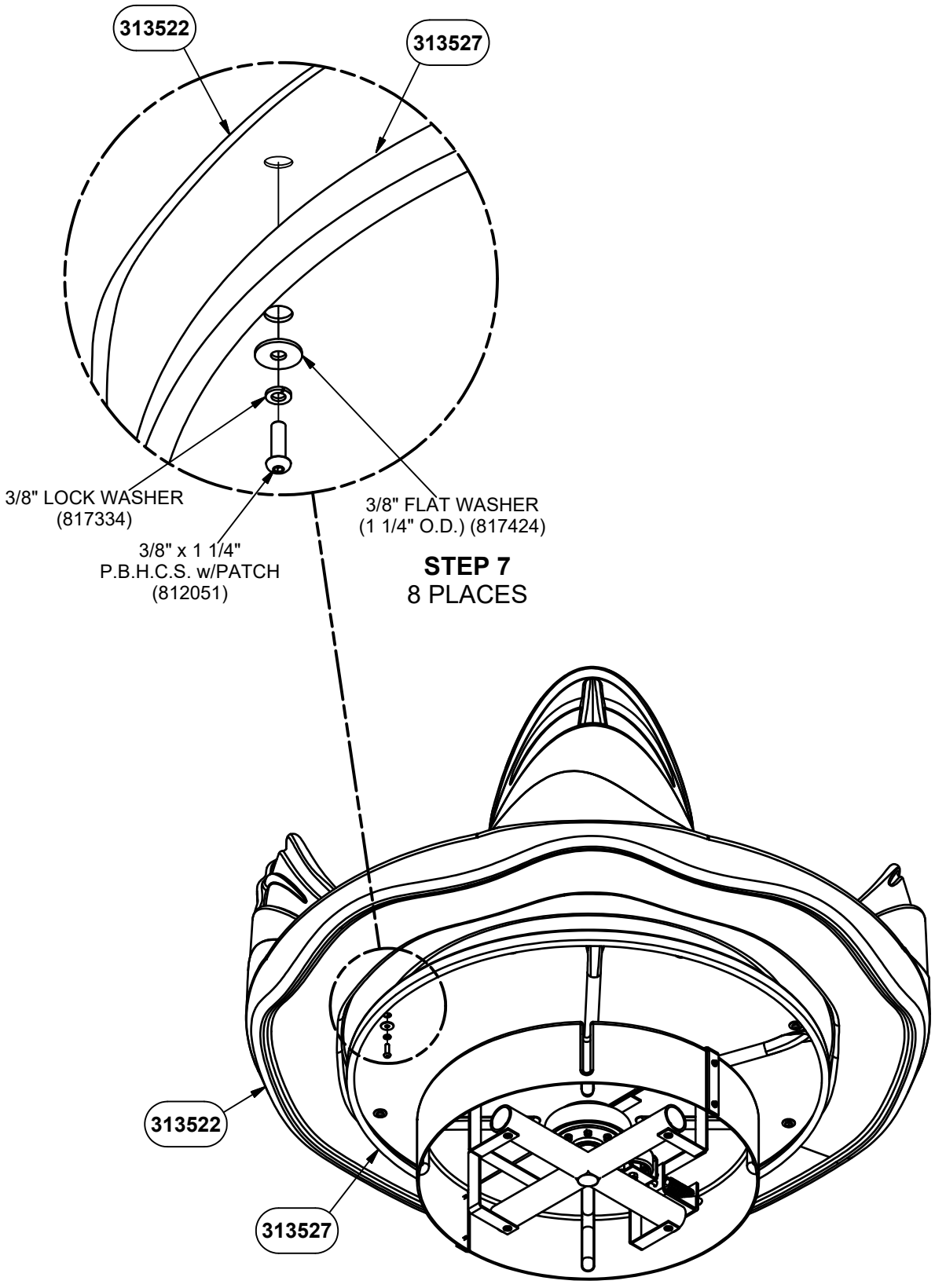


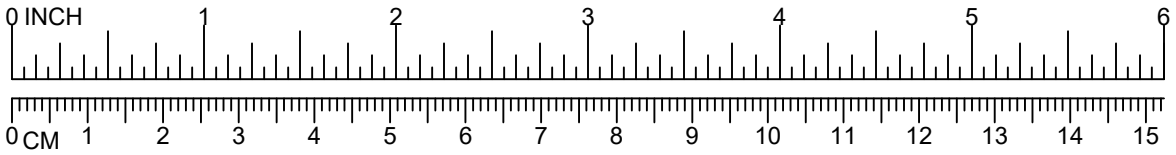

**STEP 6**
4 PLACES

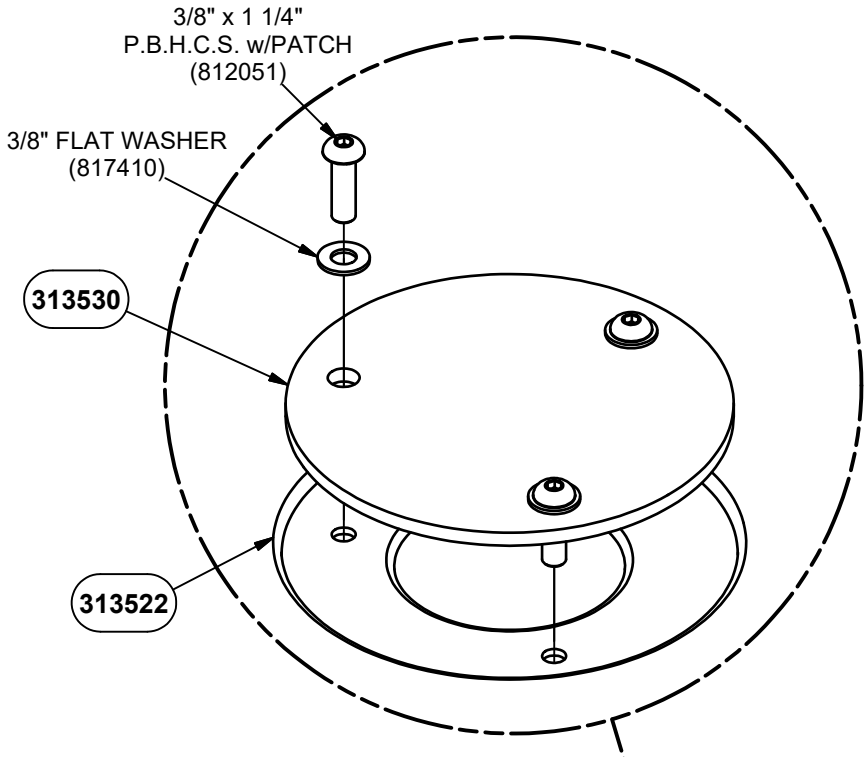
## DETAIL VIEW


0 INCH 1 2 3 4 5 6
0 CM 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


313522
313527
3/8" LOCK WASHER
(817334)
3/8" x 1 1/4"
P.B.H.C.S. w/PATCH
(812051)
3/8" FLAT WASHER
(1 1/4" O.D.) (817424)
STEP 7
8 PLACES
313522
313527

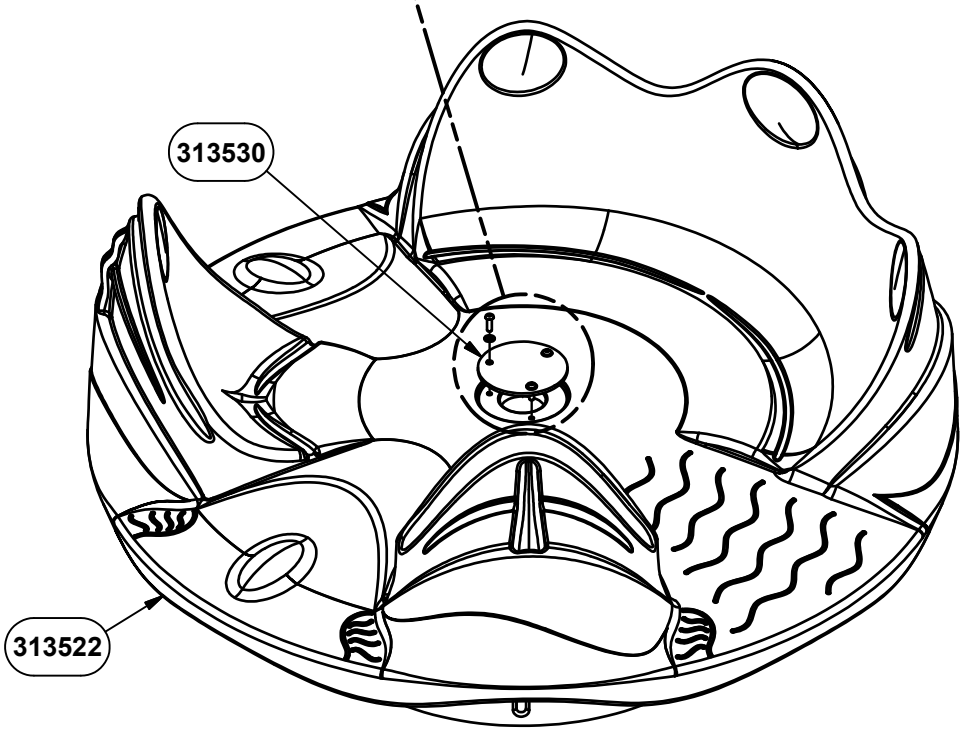
## DETAIL VIEW



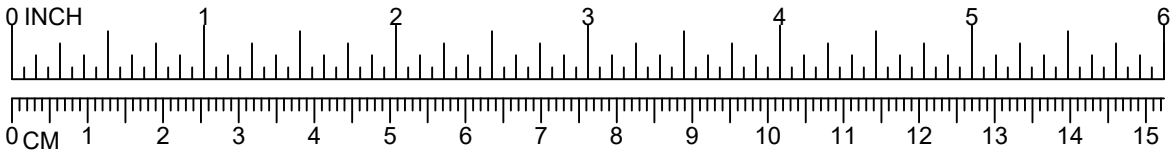



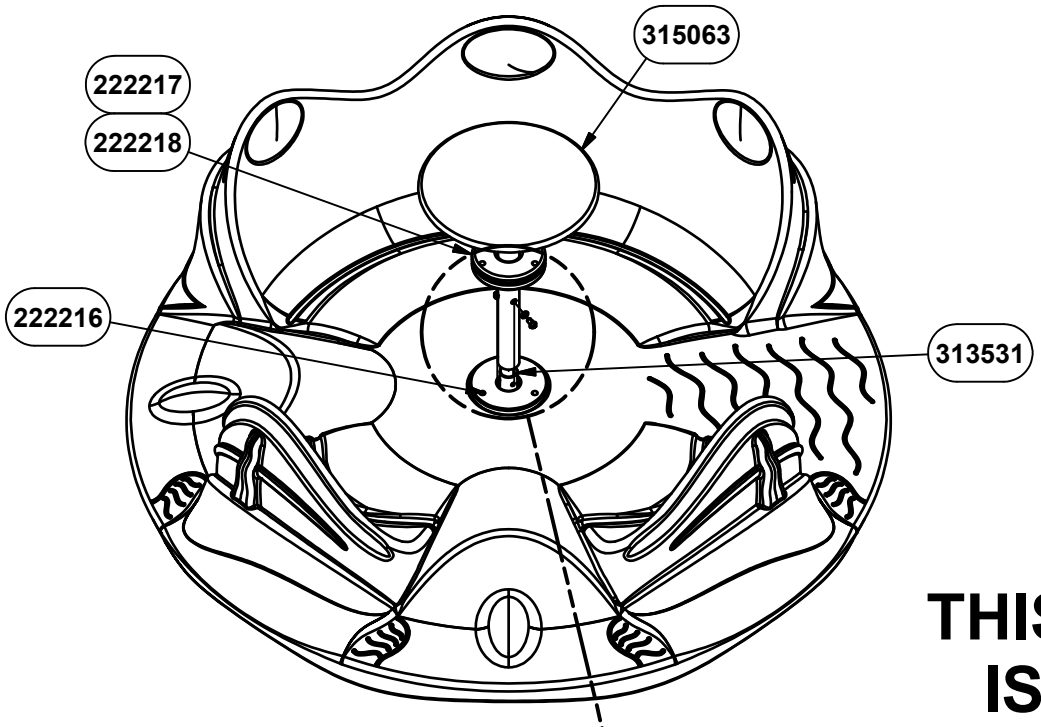

**THIS VIEW IS FOR 6373 ONLY**

**6373 - STEP 8**
3 PLACES

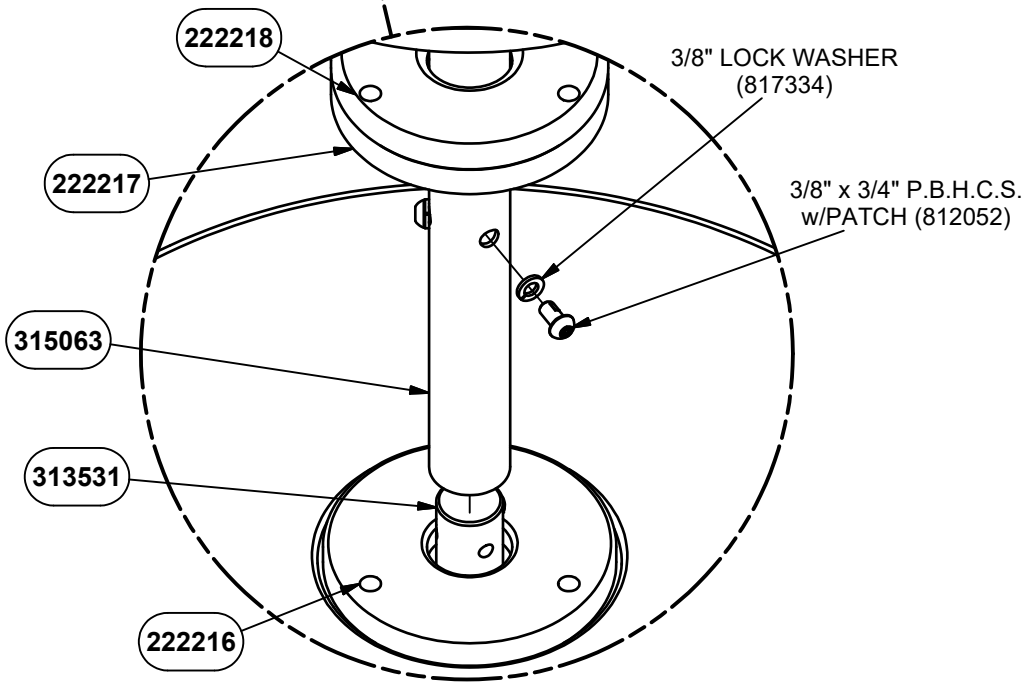



**DETAIL VIEW**
6373 ONLY



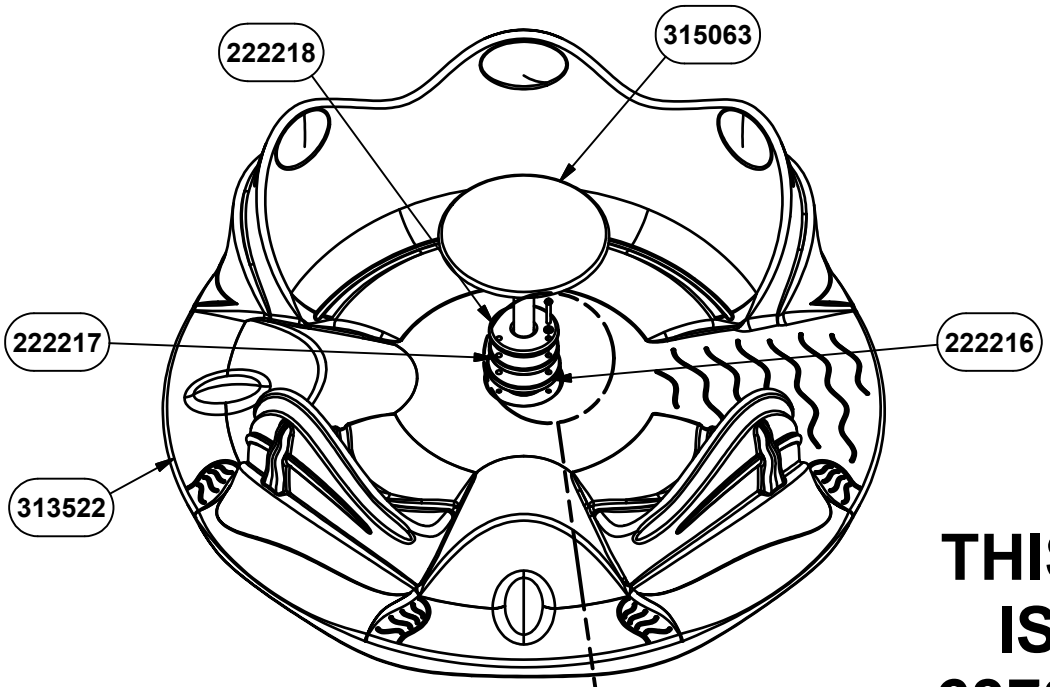

# THIS VIEW IS FOR 6372 ONLY



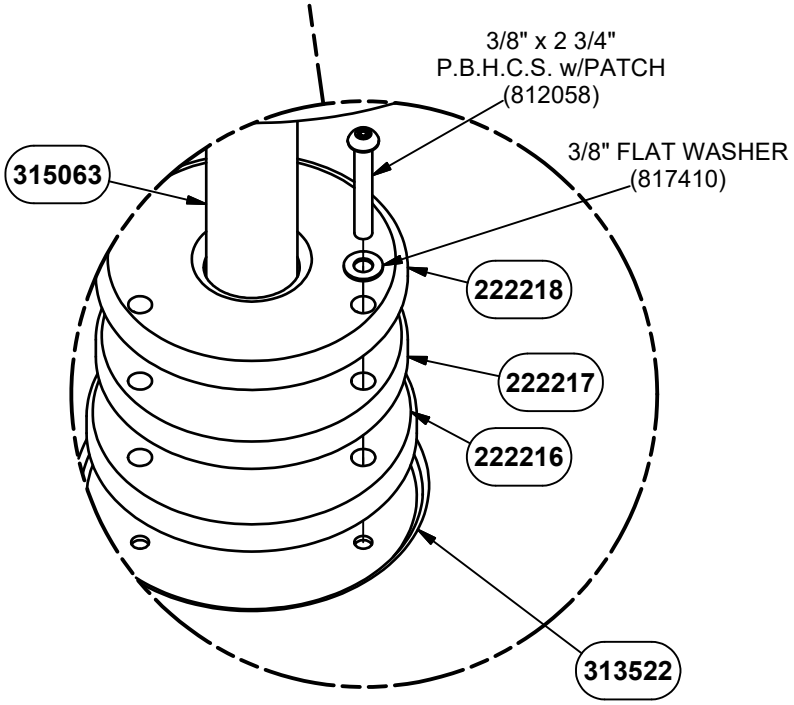

**6372 - STEP 8**
3 PLACES

**NOTE:** THE THREE HDPE CENTER COVERS MUST BE IN POSITION BEFORE INSTALLING WHIRL HANDLE.

**DETAIL VIEW**
6372 ONLY




**THIS VIEW IS FOR 6372 ONLY**




**6372 - STEP 9**
3 PLACES

**NOTE:** THE THREE HDPE CENTER COVERS MUST BE IN POSITION BEFORE INSTALLING WHIRL HANDLE DURING STEP 8.

**DETAIL VIEW**
6372 ONLY

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 6372 | 6373 | PART NUMBER |
| BASE ASSEMBLY w/BRAKE | 1 | 0 | 313531 |
| BASE ASSEMBLY w/BRAKE | 0 | 1 | 127731 |
| SHIELD MOUNTING BRACKET | 4 | 4 | 124511 |
| WHIRL BRAKE COVER | 2 | 2 | 127322 |
| 48" DIA. PLATFORM ASSEMBLY | 1 | 1 | 313527 |
| WHIRL | 1 | 1 | 313522 |
| WHIRL HANDLE | 1 | 0 | 315063 |
| HDPE CENTER COVER BOTTOM | 1 | 0 | 222216 |
| HDPE CENTER COVER MIDDLE | 1 | 0 | 222217 |
| HDPE CENTER COVER TOP | 1 | 0 | 222218 |
| COVER PLATE | 0 | 1 | 313530 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 222222 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 222223 |
| 1/4" x 1" SELF DRIVE SCREW | 4 | 4 | 816049* |
| 1/4" FLAT WASHER (5/8" O.D.) | 4 | 4 | 817408* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 3 | 0 | 812052* |
| 3/8" x 1" SELF TAPPING HEX HEAD BOLT | 4 | 4 | 801850* |
| 3/8" x 1 1/4" HEX HEAD BOLT | 4 | 4 | 801004* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 8 | 11 | 812051* |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 3 | 0 | 812058* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 12 | 12 | 817424* |
| 3/8" FLAT WASHER | 3 | 3 | 817410* |
| 3/8" LOCK WASHER | 15 | 12 | 817334* |
| 3/8" HEX NUT | 4 | 4 | 804053* |
| 1/2" HEX NUT | 8 | 8 | 804055* |
| 1/2" LOCKWASHER | 4 | 4 | 817342* |
| 1/2" ANCHOR BOLT | 4 | 4 | 800000* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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# 8536
# ADAPTIVE SWING
# 3 1/2" O.D. RAIL (8' HIGH)

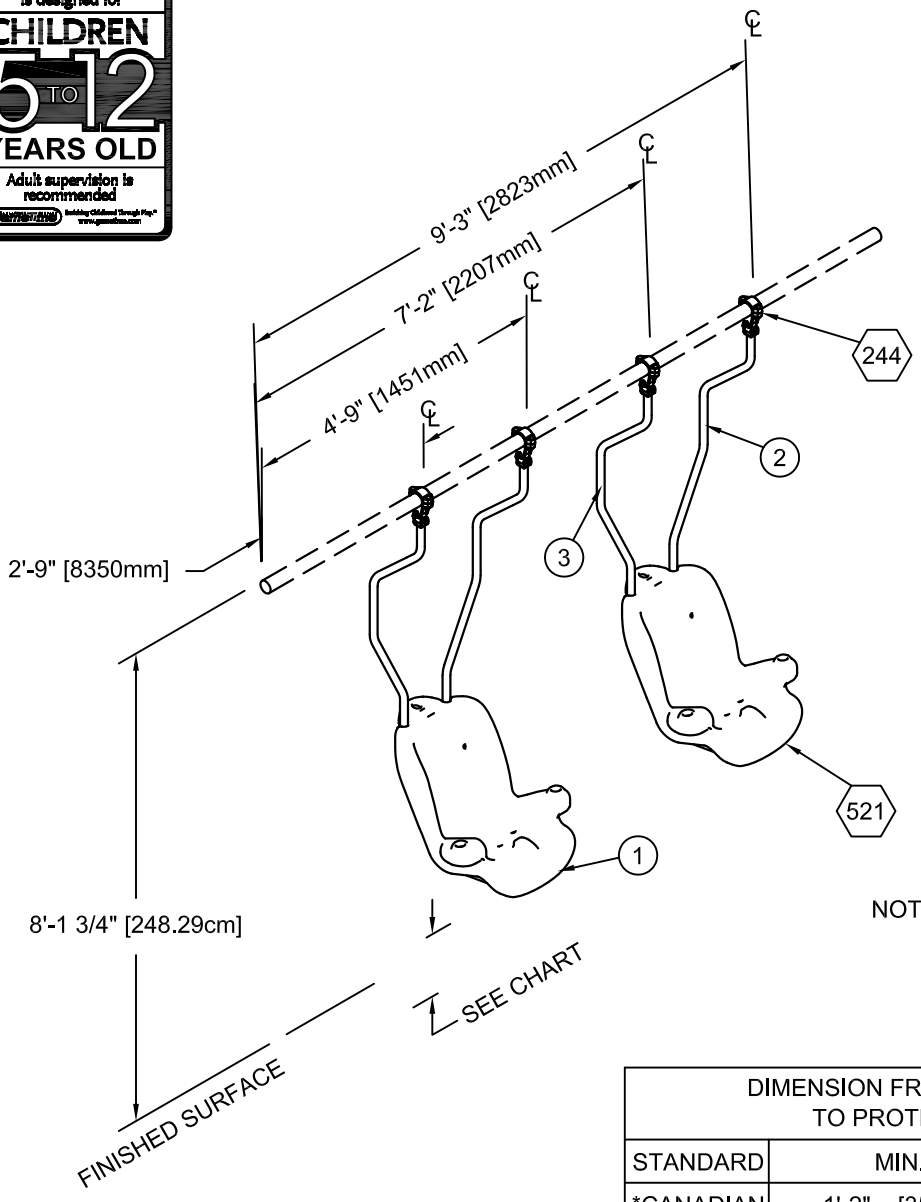
**ISSUED/REVISED: 07/17/12**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

| | |
|---|---|
| **W/ RUNGS** | **8536** |
| **W/CHAIN** | **8537** |
| **W/ COATED CHAIN** | **8538** |
| **STAINLESS STEEL CHAIN** | **SS8537** |



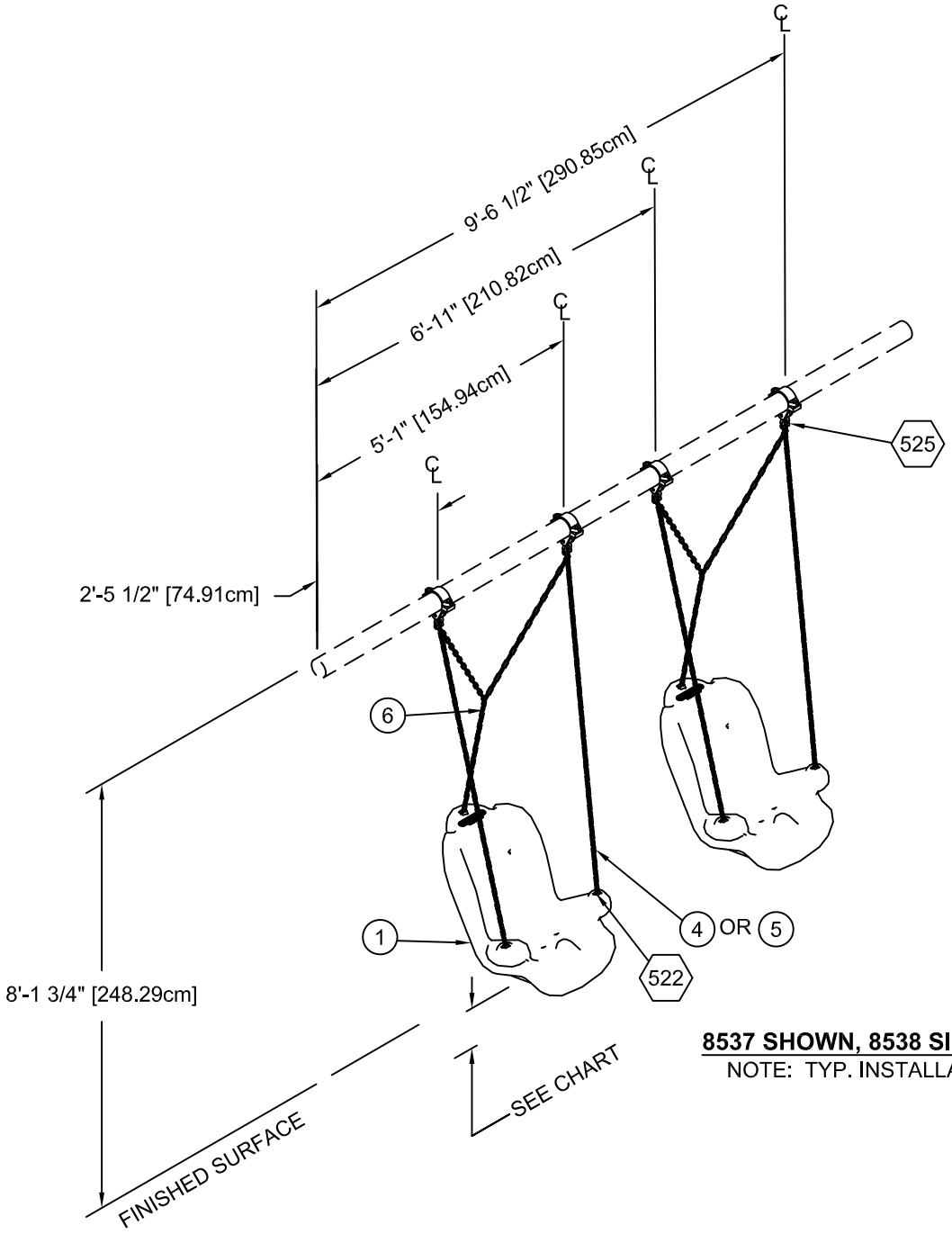

**8536 SHOWN**
NOTE: TYP. INSTALLATION

## *INSTALLATION INSTRUCTIONS*

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 1'-2" [35.56cm] | 1'-6" [45.72cm] |
| ASTM | 1'-0" [30.48cm] | N/A |
| DIN | 1'-3 3/4"[40.00cm] | N/A |
| CPSC | N/A | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]




**8537 SHOWN, 8538 SIMILAR**
NOTE: TYP. INSTALLATION

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 1'-2" [35.56cm] | 1'-6" [45.72cm] |
| ASTM | 1'-0" [30.48cm] | N/A |
| DIN | 1'-3 3/4"[40.00cm] | N/A |
| CPSC | N/A | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

# PARTS LIST

| REF. NO. | DESCRIPTION | NO. REQ'D. 8536 | 8537 | 8538 | SS8537 | PART NUMBER |
|---|---|---|---|---|---|---|
| 1 | Adaptive Swing Seat | 1 | 1 | 1 | 1 | 166082 |
| 2 | Right Support Arm | 1 | 0 | 0 | 0 | 200637 |
| 3 | Left Support Arm | 1 | 0 | 0 | 0 | 200634 |
| 4 | Safe-T-Grip Chain, 94 15/16" Lg. | 0 | 0 | 2 | 0 | 167451 |
| | *Hardware Complete* | 1 | 0 | 0 | 0 | 200683 |
| | *Hardware Complete* | 0 | 1 | 0 | 0 | 168877 |
| | *Hardware Complete* | 0 | 0 | 1 | 0 | 168878 |
| | *Hardware Complete* | 0 | 0 | 0 | 1 | 178036 |
| 5 | Chain, 94" Lg. | 0 | 2 | 0 | 0 | 166921* |
| 6 | Chain, 24 5/8" Lg. | 0 | 1 | 1 | 0 | 166922* |
| 5 | Stainless Steel Chain | 0 | 0 | 0 | 2 | 177999* |
| 6 | Stainless Steel Chain | 0 | 0 | 0 | 1 | 177989* |
| | Swing Clevis | 0 | 1 | 1 | 1 | 166683* |
| | 1/4" x 2 3/4" B.H.C.S | 4 | 0 | 0 | 0 | 811021* |
| | 1/4" Lockwasher | 4 | 0 | 0 | 0 | 817326* |
| | 1/4" Flatwasher 5/8" O.D. | 4 | 0 | 0 | 0 | 817408* |
| | 1/4" Tee Nut | 4 | 0 | 0 | 0 | 804559* |
| | 3/8" x 1 1/4" B.H.C.S. | 0 | 3 | 3 | 3 | 811051* |
| | 3/8" Hex Nut | 0 | 3 | 3 | 3 | 804053* |
| | Swing Hanger | 0 | 2 | 2 | 2 | 1462* |
| | Chain Plug Insert | 0 | 6 | 6 | 6 | 179799* |
| | 1/2" Pin-In Hex Bit (5/16") | 0 | 1 | 1 | 1 | 812644* |
| | Top Clevis | 2 | 0 | 0 | 0 | 157002* |
| | Bottom Clevis | 2 | 0 | 0 | 0 | 157012* |
| | 1/2" x 2 1/2" Hex Bolt | 4 | 0 | 0 | 0 | 801200* |
| | 1/2" Hex Nut | 4 | 0 | 0 | 0 | 804055* |
| | 1/2" Lockwasher | 4 | 0 | 0 | 0 | 817342* |
| | Pendulum | 2 | 0 | 0 | 0 | 200195* |
| | 3/8" x 2" Carriage Bolt | 4 | 0 | 0 | 0 | 800256* |
| | 3/8" Lock Nut | 4 | 0 | 0 | 0 | 804353* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

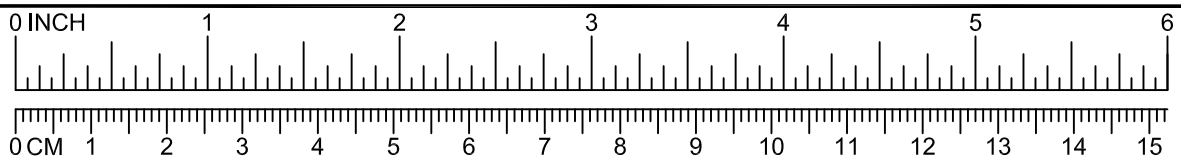
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

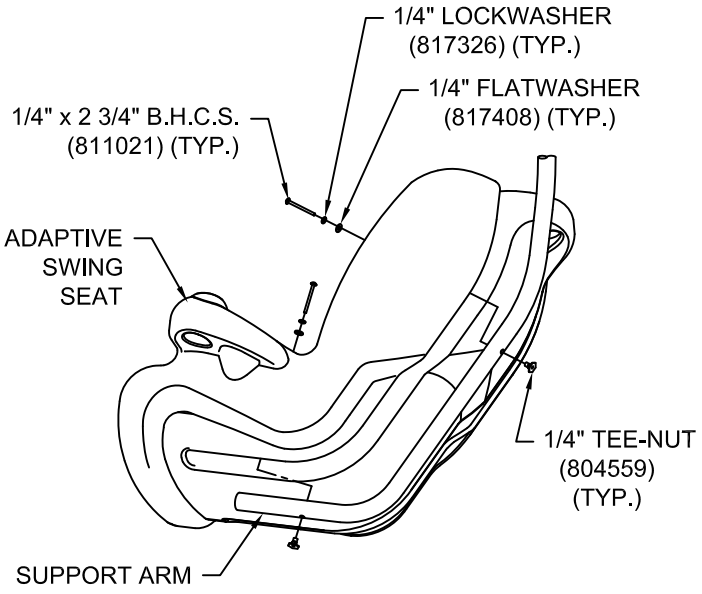
# DETAILS -for-
# 8536, 8537, 8538, SS8537

***IMPORTANT***

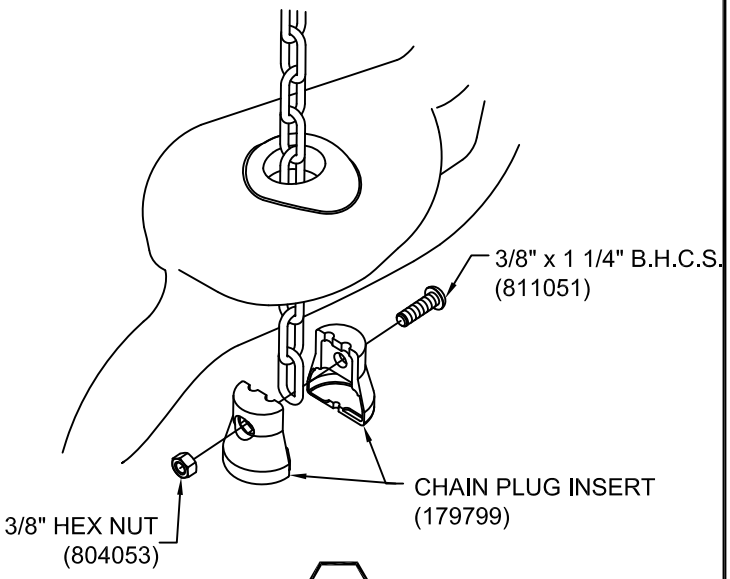
***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***

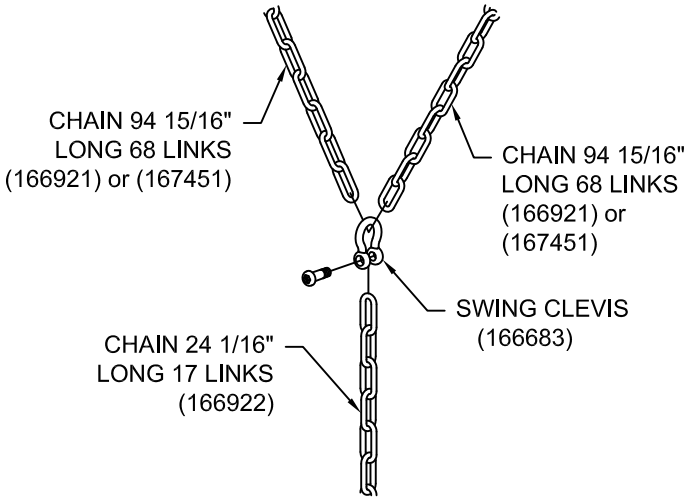


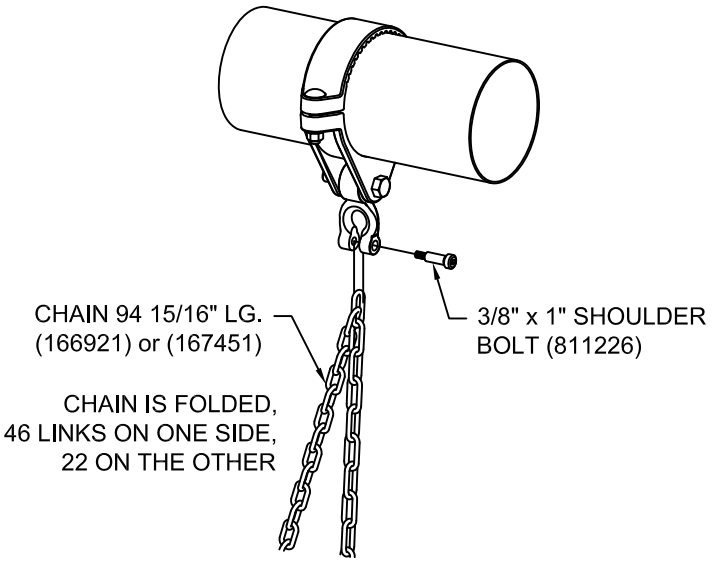

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522




524



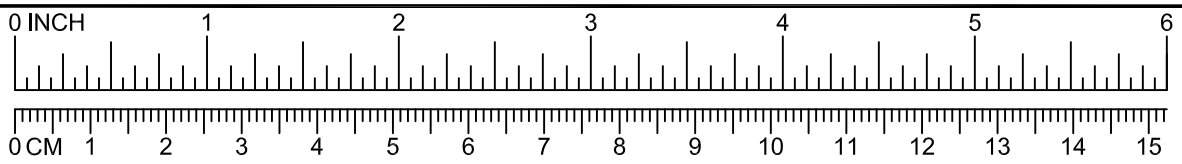

525

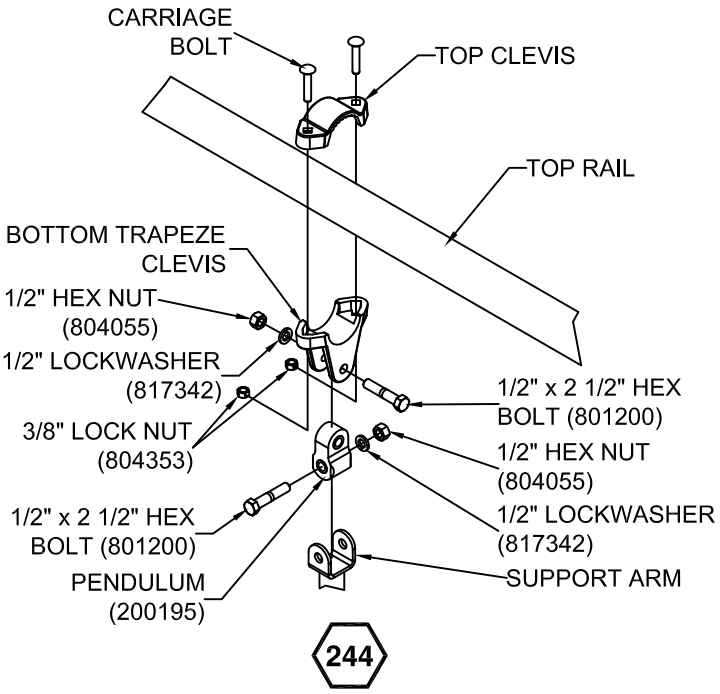
# DETAILS -for-
# 8536, 8537,8538, SS8537

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



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# 8537
# ADAPTIVE SWING
# 3 1/2" O.D. RAIL (8' HIGH)

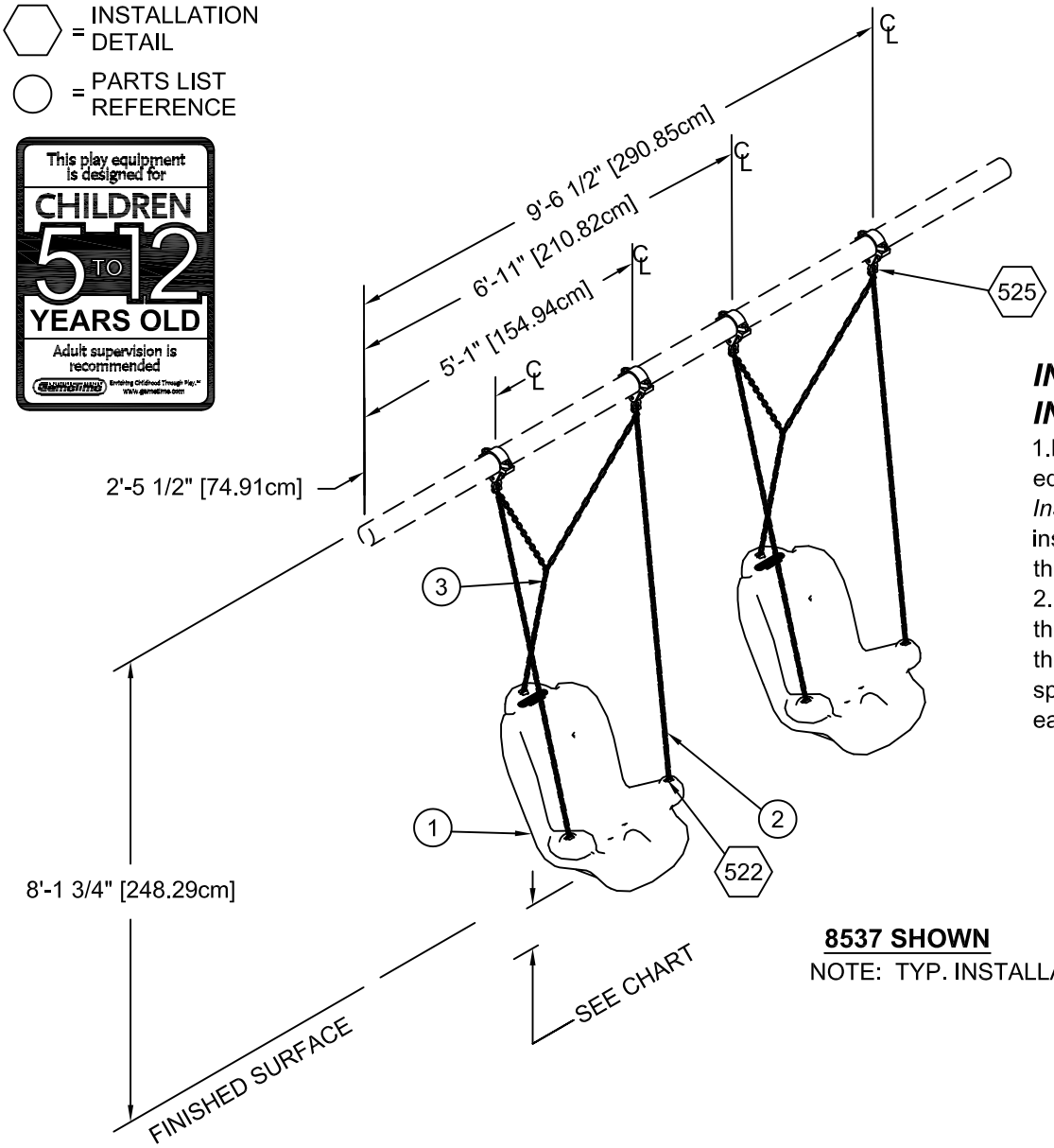
**ISSUED/REVISED: 7/31/18**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

**W/ CHAIN 8537**
**S.S. CHAIN SS8537**

This play equipment is designed for CHILDREN 5 TO 12 YEARS OLD
Adult supervision is recommended




**8537 SHOWN**
NOTE: TYP. INSTALLATION

## *INSTALLATION INSTRUCTIONS*

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 300mm [11.81"] | N/A |
| ASTM | 12" [305mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | 12" [305mm] | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

# *PARTS LIST*

| *REF. NO.* | *DESCRIPTION* | *NO. REQ'D. 8537* | *NO. REQ'D. SS8537* | *PART NUMBER* |
|---|---|---|---|---|
| 1 | Adaptive Swing Seat | 1 | 1 | 166082 |
| | *Hardware Complete* | 1 | 0 | 168877 |
| | *Hardware Complete* | 0 | 1 | 178036 |
| 2 | Chain, 94" Lg. | 2 | 0 | 166921* |
| 3 | Chain, 24 5/8" Lg. | 1 | 0 | 166922* |
| 2 | Stainless Steel Chain | 0 | 2 | 177999* |
| 3 | Stainless Steel Chain | 0 | 1 | 177989* |
| | Swing Clevis | 1 | 1 | 166683* |
| | 3/8" x 1 1/4" B.H.C.S. | 3 | 3 | 811051* |
| | 3/8" Hex Nut | 3 | 3 | 804053* |
| | Swing Hanger | 2 | 2 | 1462* |
| | Chain Plug Insert | 6 | 6 | 179799* |
| | 1/2" Pin-In Hex Bit (5/16") | 1 | 1 | 812644* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

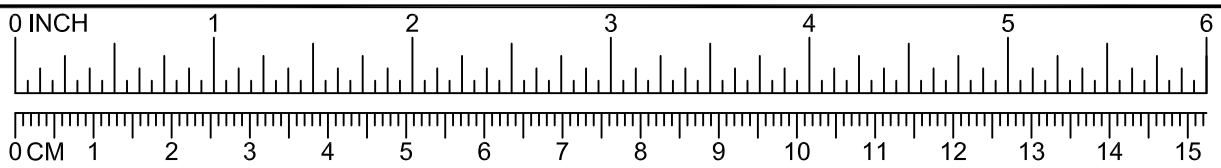
***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

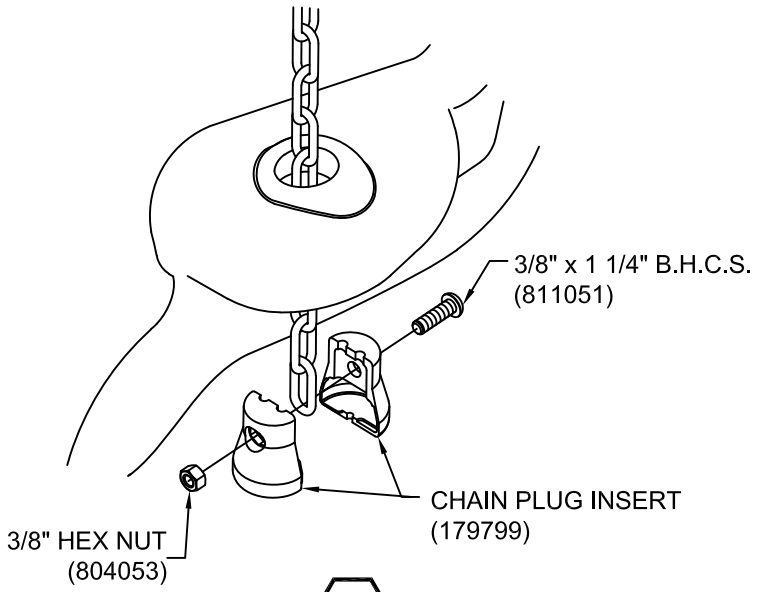
# DETAILS -for-
# 8537, SS8537

***IMPORTANT***

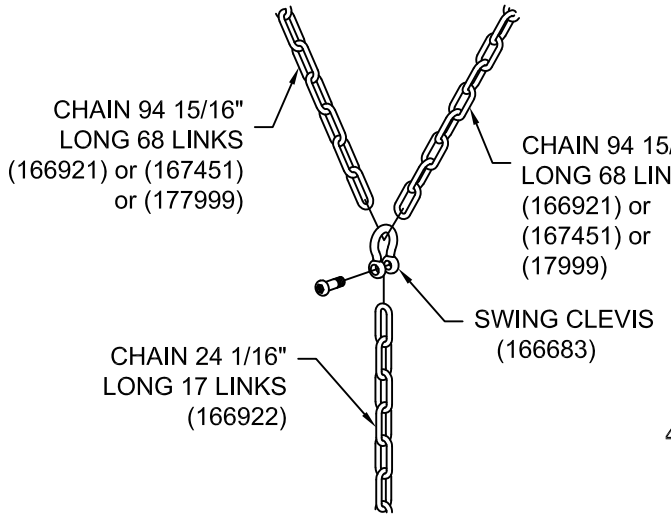
***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***

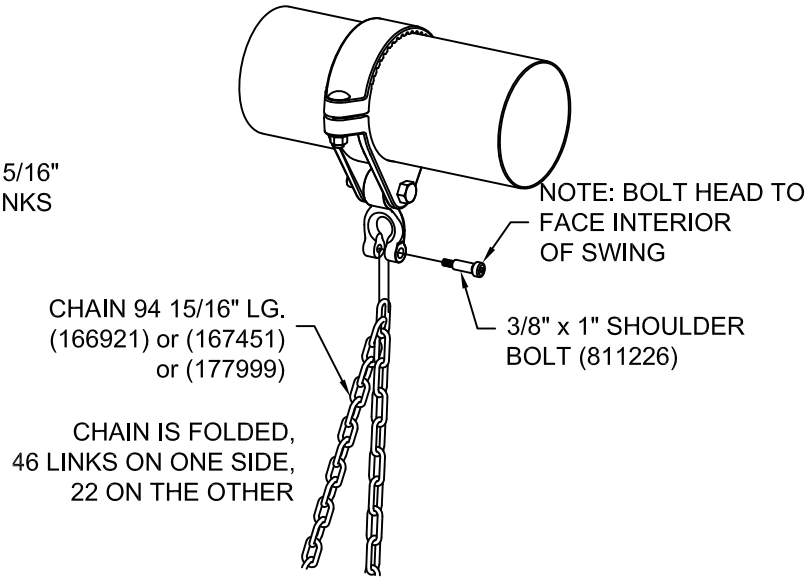



522




524




525

GameTime
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# 8691
# SEAT

**ISSUED/REVISED: 10/30/17**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

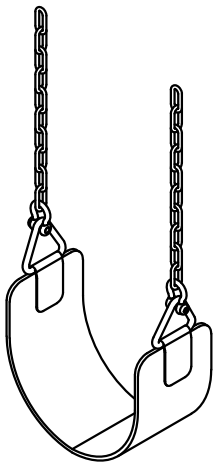
**BELT SEAT 8691**
**FULLY ENCLOSED SEAT 8693**
**8695, 8696, 8908, 8909, 8910, 8911, 8914, 8918, SS8914, SS8695, SS8696, SS8918, SS8908, SS8910, SS8909, SS8911**
**SEAT PACKAGES**



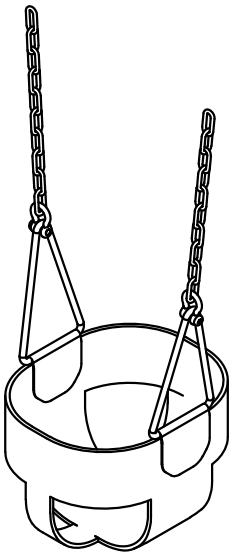

8695, 8696, 8914, SS8914, SS8695, SS8696




8908, 8909, 8910, 8911, 8918, 8915, SS8918, SS8908, SS8910, SS8909, SS8911



***8691***



***8693***

## *SPECIFICATIONS*

*Rights are reserved to disontinue or change specifications without notice.
*Fully Enclosed Seats shall be fabricated with .025" thick stainless steel inserts covered by a dark green colored EPDM rubber.
*Commercial Belt Seat - an extra piece of fluted rubber at the front and back of seat gives it a cushion bumper.
***NOTE:** Weights are based on average comparisons of each part.

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

## PARTS LIST -for- SEATS

| DESCRIPTION | NO. REQD | | PART NO. |
|---|---|---|---|
| | *8693* | *8691* | |
| *Belt Seat* | *0* | *1* | *153738* |
| *Enclosed Tot Seat* | *1* | *0* | *153746* |
| *Hardware Complete* | *1* | *1* | *167359* |
| *Swing Clevis* | *2* | *2* | *166683** |
| *1/2" Pin-In Hex Bit (5/16")* | *1* | *1* | *812644** |

## PARTS LIST -for- SEAT PACKAGES

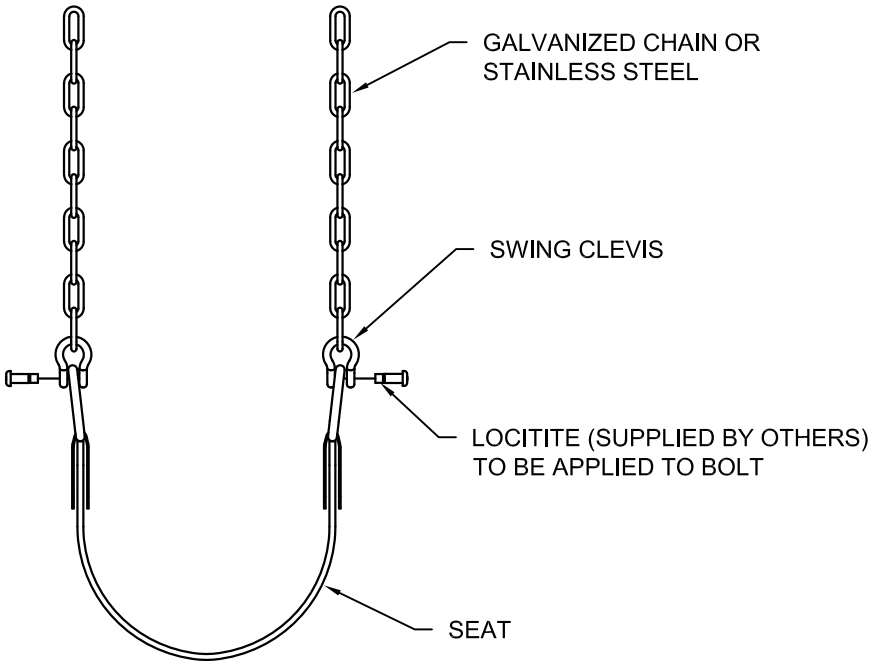
| DESCRIPTION | NO. REQUIRED | | | PART NO. |
|---|---|---|---|---|
| | *8914* | *8695* | *8696* | |
| *Enclosed Tot Seat* | *1* | *1* | *1* | *8693* |
| *Swing Hanger (2-3/8" O.D.)* | *0* | *2* | *0* | *1461* |
| *Swing Hanger (3-1/2" O.D.)* | *0* | *0* | *2* | *1462* |
| *Swing Hanger (5" O.D.)* | *2* | *0* | *0* | *1487* |
| *Chain* | *2* | *2* | *2* | *131904* |

***Unless otherwise specified, all units of measure are each.***
****Included in Hardware Complete.***
***NOTE: "CC" prefix before package number indicates seat with coated chain.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

## PARTS LIST -for- SEAT PACKAGES

| DESCRIPTION | NO. REQUIRED | | | | | | | | PART NO. |
|---|---|---|---|---|---|---|---|---|---|
| | *8691* | *8918* | *8908* | *8910* | *8909* | *8911* | | | |
| *Belt Seat* | *1* | *1* | *1* | *1* | *1* | *1* | | | *8691* |
| *Swing Hanger (2-3/8" O.D.)* | *0* | *0* | *2* | *0* | *2* | *0* | | | *1461* |
| *Swing Hanger (3-1/2" O.D.)* | *0* | *0* | *0* | *2* | *0* | *2* | | | *1462* |
| *Swing Hanger (5" O.D.)* | *0* | *2* | *0* | *0* | *0* | *0* | | | *1487* |
| *Chain* | *0* | *2* | *0* | *0* | *0* | *0* | | | *103052* |
| *Chain* | *0* | *0* | *2* | *2* | *0* | *0* | | | *166892* |
| *Chain* | *0* | *0* | *0* | *0* | *2* | *2* | | | *153867* |
| *Swing Clevis* | *2* | *2* | *2* | *2* | *2* | *2* | | | *166683** |
| *1/2" Pin-In Hex Bit (5/16")* | *1* | *1* | *1* | *1* | *1* | *1* | | | *812644** |
| | *SS8914* | *SS8695* | *SS8696* | *SS8918* | *SS8908* | *SS8910* | *SS8909* | *SS8911* | |
| *Enclosed Tot Seat* | *1* | *1* | *1* | *0* | *0* | *0* | *0* | *0* | *8693* |
| *Belt Seat* | *0* | *0* | *0* | *1* | *1* | *1* | *1* | *1* | *8691* |
| *Swing Hanger (2-3/8" O.D.)* | *0* | *2* | *0* | *0* | *2* | *0* | *2* | *0* | *1461** |
| *Swing Hanger (3-1/2" O.D.)* | *0* | *0* | *2* | *0* | *0* | *2* | *0* | *2* | *1462** |
| *Swing Hanger (5" O.D.)* | *2* | *0* | *0* | *2* | *0* | *0* | *0* | *0* | *1487** |
| *Stainless Steel Chain* | *0* | *0* | *0* | *2* | *0* | *0* | *0* | *0* | *177993** |
| *Stainless Steel Chain* | *2* | *2* | *2* | *0* | *0* | *0* | *0* | *0* | *177994** |
| *Stainless Steel Chain* | *0* | *0* | *0* | *0* | *2* | *2* | *0* | *0* | *177991** |
| *Stainless Steel Chain* | *0* | *0* | *0* | *0* | *0* | *0* | *2* | *2* | *177990** |

***Unless otherwise specified, all units of measure are each.***
***Included in Hardware Complete.**
***NOTE: "CC" prefix before package number indicates seat with coated chain.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***




***SEAT ASSEMBLY***
***(WITH GALVANIZED CHAIN***
***OR STAINLESS STEEL)***

# 1461
# SWING HANGER

**ISSUED/REVISED: 3/15/16**

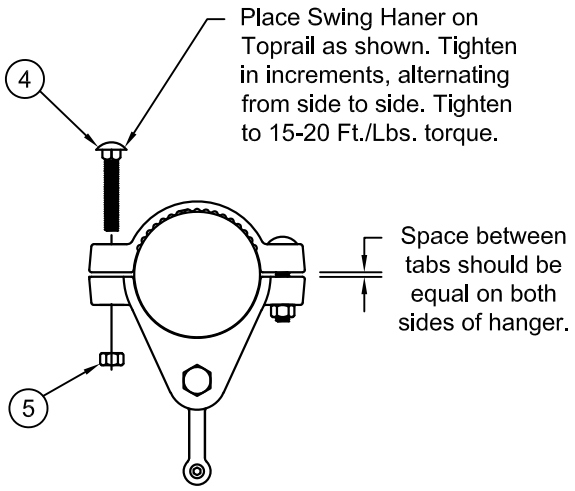
⬡ = INSTALLATION DETAIL

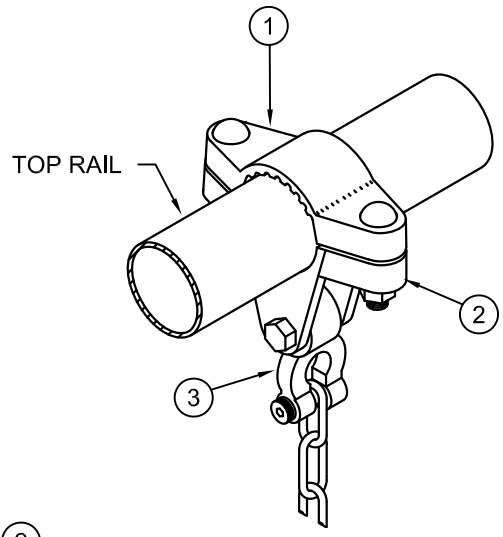
◯ = PARTS LIST REFERENCE

**GALVANIZED 1461**
**GALVANIZED 1462**
**PAINTED 1463**
**PAINTED 1485**
**PAINTED 1486**
**GALVANIZED 1487**

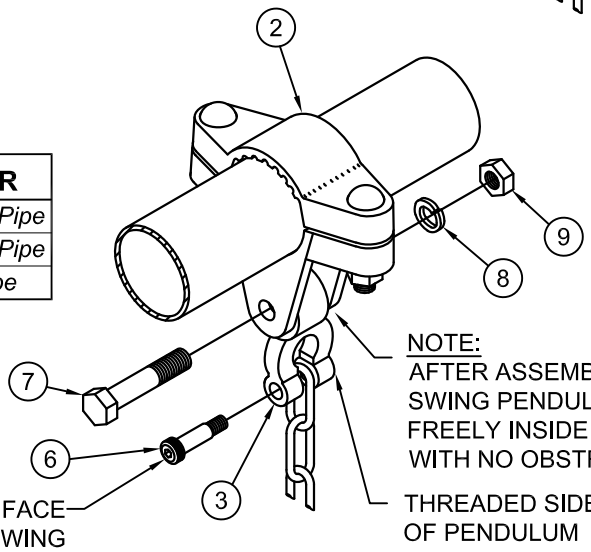
## *SPECIFICATIONS*

**MATERIAL:** All swing hanger castings shall be cast of malleable iron.
**HARDWARE:** All Carriage bolts, lockwashers, hex nuts, and shoulder bolts shall be zinc plated with a clear chromate coating.
**FINISH:** All top and bottom clevis parts shall be galvanized or powder coated. The swing pendulum shall be galvanized only.
**CONSTRUCTION:** The swing hanger shall consist of a top clevis, bottom clevis, and swing pendulum. The top clevis shall have a non-slip-serrated surface. The pendulum shall incorporate a factory installed bronze bushing. The pendulum shall be attached to the bottom clevis with 1/2" x 2-1/2" hex bolt, 1/2" lockwasher, and 1/2" hex nut. The top and bottom clevis shall be attached with 3/8" carriage bolt and 3/8" lock nut.
**SPECIFICATIONS: GAMETIME** has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.




| PAINTED | GALVANIZED | PIPE DIAMETER |
|---|---|---|
| *1485* | *1461* | *2-3/8" [6.03cm] O.D. Pipe* |
| *1486* | *1462* | *3-1/2" [8.89cm] O.D. Pipe* |
| *1463* | *1487* | *5" [12.70cm] O.D. Pipe* |



## PARTS LIST

| Ref. NO. | DESCRIPTION | NO. REQUIRED | | | | | | PART NO. |
|---|---|---|---|---|---|---|---|---|
| | | 1461 | 1462 | 1463 | 1485 | 1486 | 1487 | |
| 1 | Top Clevis | 1 | 0 | 0 | 0 | 0 | 0 | 157000 |
| 1 | Top Clevis | 1 | 1 | 0 | 0 | 0 | 0 | 157002 |
| 1 | Top Clevis | 0 | 0 | 1 | 0 | 0 | 0 | 157382 |
| 1 | Top Clevis | 0 | 0 | 0 | 1 | 0 | 0 | 158223 |
| 1 | Top Clevis | 0 | 0 | 0 | 0 | 1 | 0 | 158221 |
| 1 | Top Clevis | 0 | 0 | 0 | 0 | 0 | 1 | 157005 |
| 2 | Bottom Clevis | 1 | 0 | 0 | 0 | 0 | 0 | 157011 |
| 2 | Bottom Clevis | 0 | 1 | 0 | 0 | 0 | 0 | 157012 |
| 2 | Bottom Clevis | 0 | 0 | 1 | 0 | 0 | 0 | 157383 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 1 | 0 | 0 | 158233 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 0 | 1 | 0 | 158230 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 0 | 0 | 1 | 157013 |
| 3 | Swing Pendulum | 1 | 1 | 1 | 1 | 1 | 1 | 157010 |
| 4 | 3/8" x 2" Carriage Bolt | 2 | 2 | 0 | 2 | 2 | 0 | 800256 |
| 4 | 3/8" x 1-3/4" Carriage Bolt | 0 | 0 | 2 | 0 | 0 | 2 | 800290 |
| 5 | 3/8" Lock Nut | 2 | 2 | 2 | 2 | 2 | 2 | 804353 |
| 6 | 3/8" x 1" Shoulder Bolt | 1 | 1 | 1 | 1 | 1 | 1 | 811226 |
| 7 | 1/2" x 2-1/2" Hex Bolt | 1 | 1 | 1 | 1 | 1 | 1 | 801200 |
| 8 | 1/2" Lockwasher | 1 | 1 | 1 | 1 | 1 | 1 | 817342 |
| 9 | 1/2" Hex Nut | 1 | 1 | 1 | 1 | 1 | 1 | 804055 |

***Unless otherwise specified, all units of measure are each.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

NEW POWERSCAPE PLUS

A PLAYCORE COMPANY GameTime

Enriching Childhood Through Play℠

**1-800-235-2440**

**ISSUED/REVISED: 7/30/18**

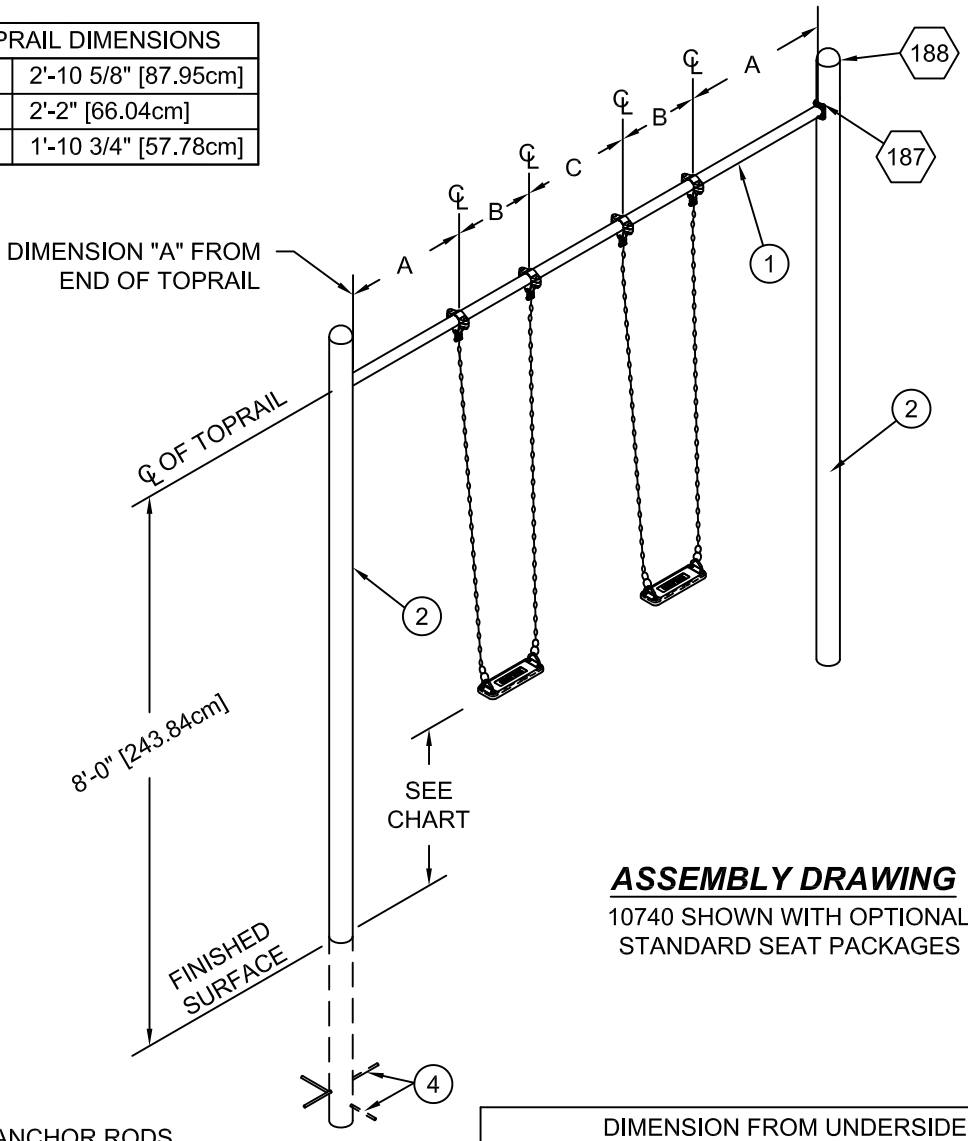
# 10740
# SINGLE POST w/ 3 1/2" O.D. TOP RAIL

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

**NOTE: 10740 SINGLE BAY**
**81751 DOUBLE BAY**

| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-10 5/8" [87.95cm] |
| DIM. B | 2'-2" [66.04cm] |
| DIM. C | 1'-10 3/4" [57.78cm] |




***ASSEMBLY DRAWING***

10740 SHOWN WITH OPTIONAL STANDARD SEAT PACKAGES

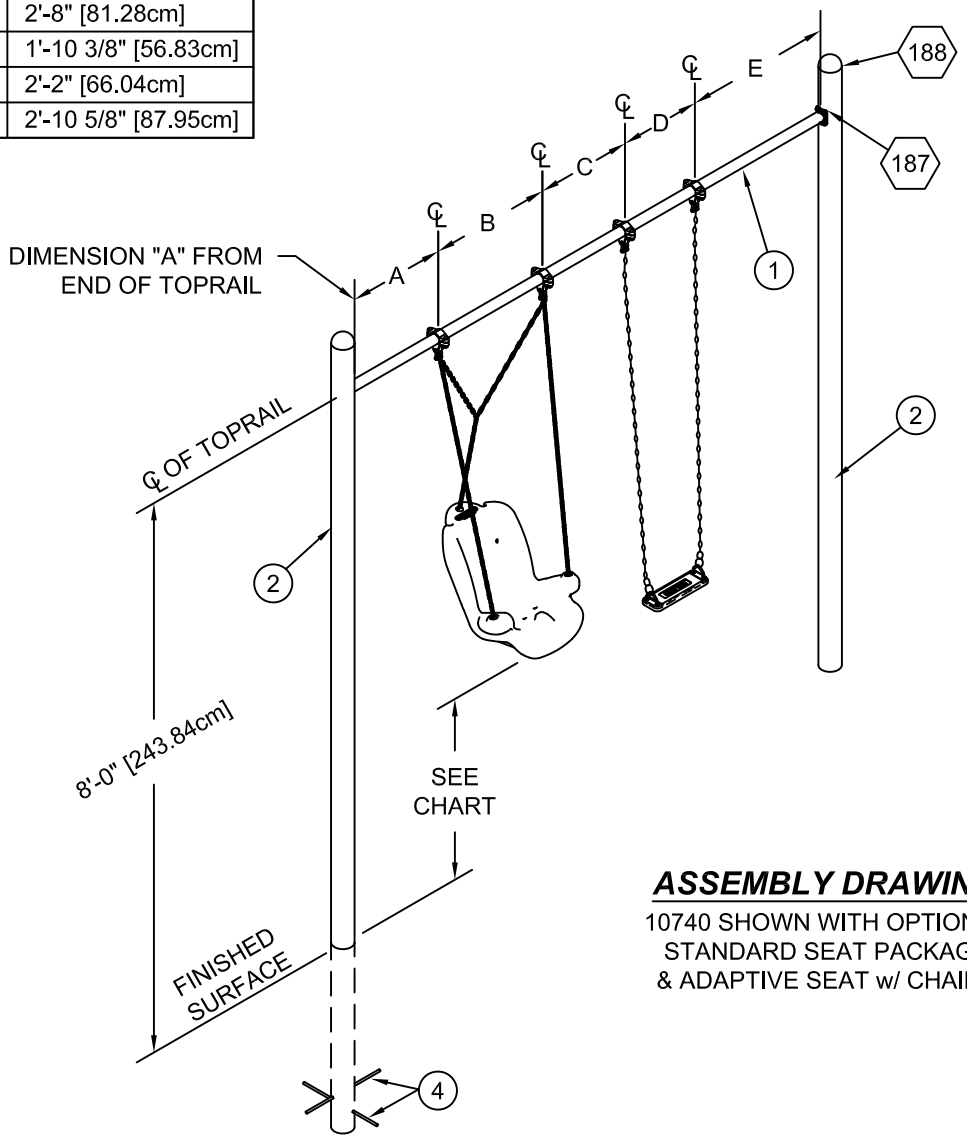
NOTE: ANCHOR RODS SHOULD BE PLACED IN UPRIGHTS BEFORE CONCRETE IS POURED.

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 300mm [11.81"] | N/A |
| ASTM | 12" [305mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | 12" [305mm] | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWINGS NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.

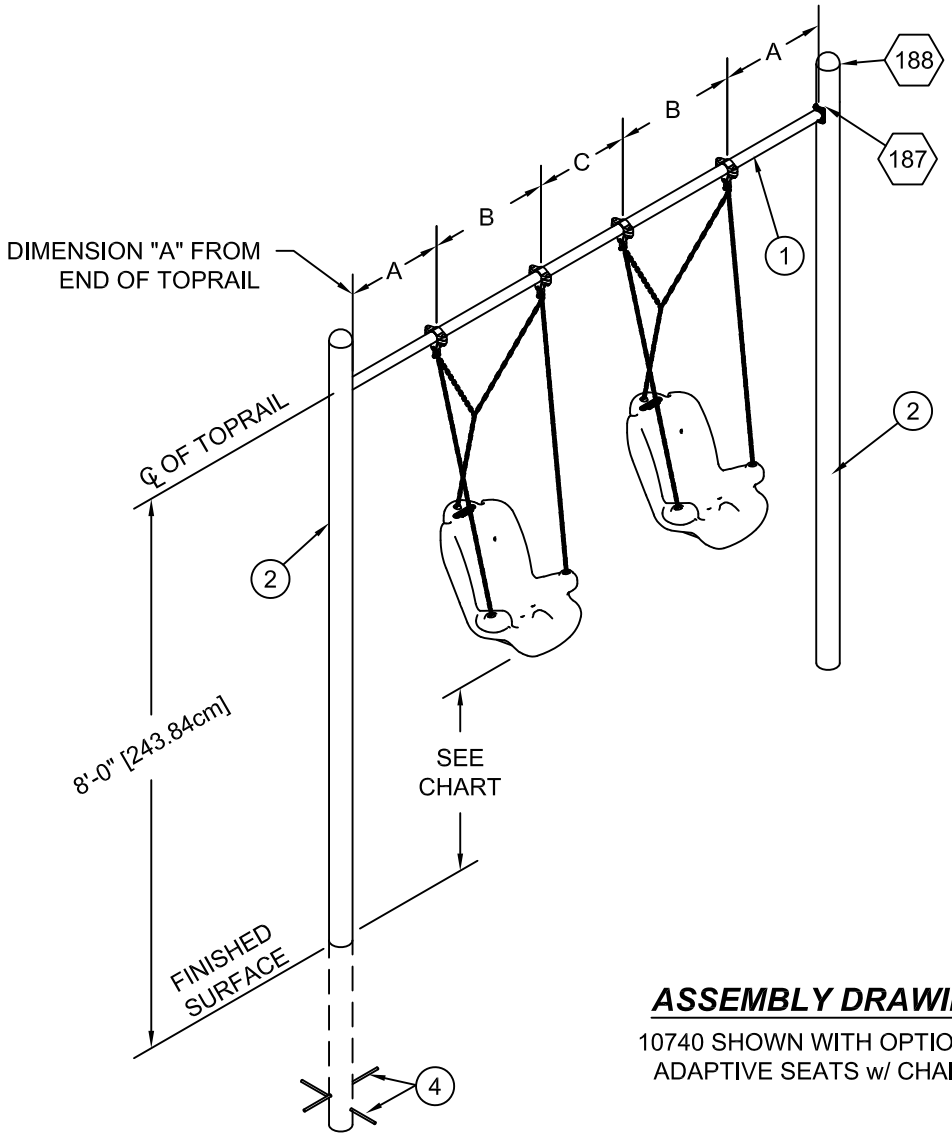
| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-5" [73.66cm] |
| DIM. B | 2'-8" [81.28cm] |
| DIM. C | 1'-10 3/8" [56.83cm] |
| DIM. D | 2'-2" [66.04cm] |
| DIM. E | 2'-10 5/8" [87.95cm] |




***ASSEMBLY DRAWING***

10740 SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGE
& ADAPTIVE SEAT w/ CHAINS

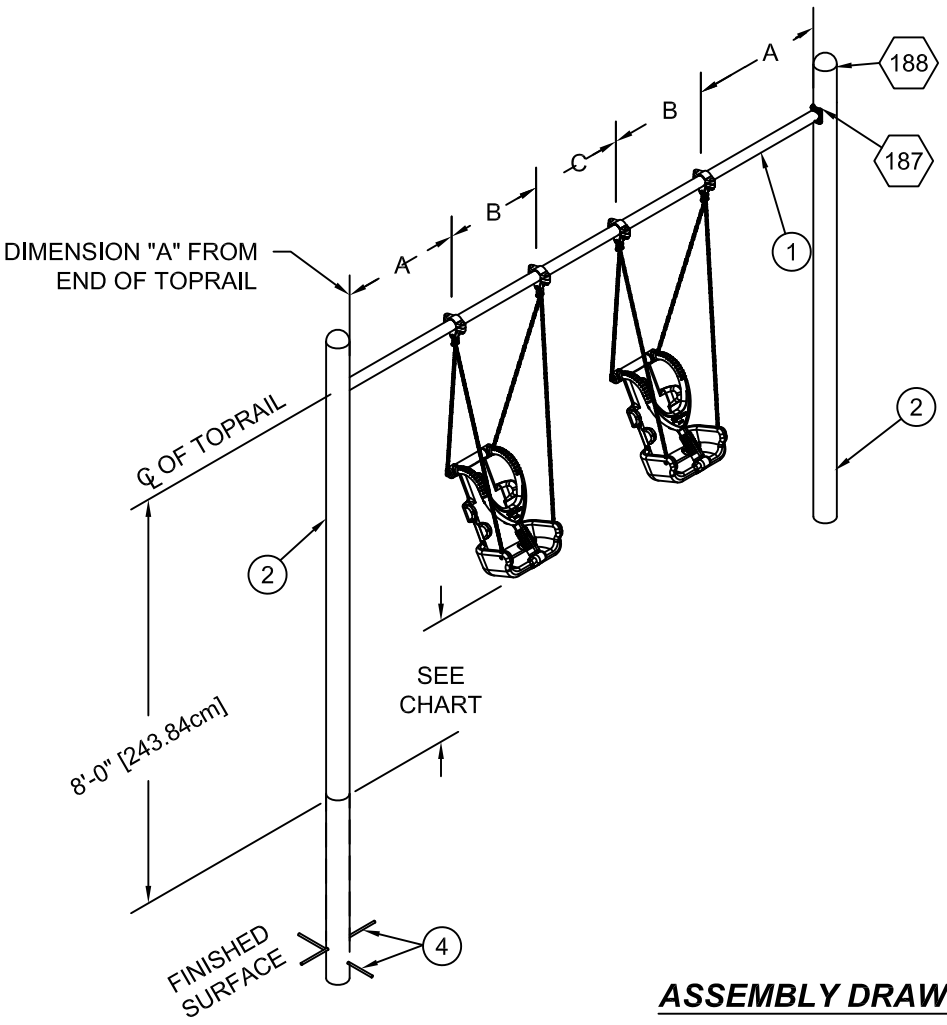
| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-5" [73.66cm] |
| DIM. B | 2'-8" [81.28cm] |
| DIM. C | 1'-10" [55.88cm] |




***ASSEMBLY DRAWING***

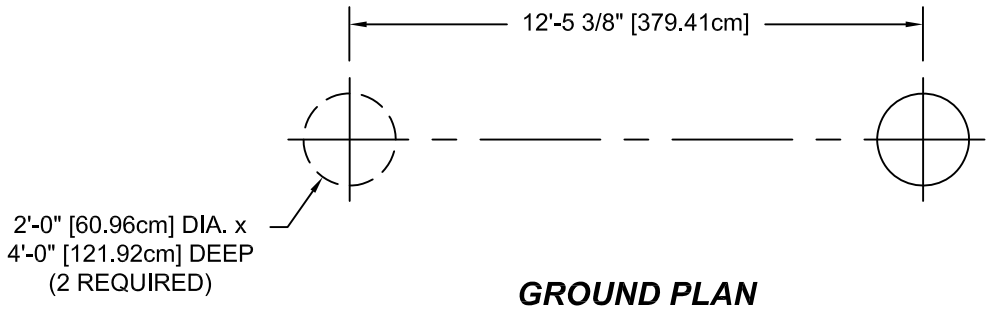
10740 SHOWN WITH OPTIONAL
ADAPTIVE SEATS w/ CHAINS

| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-6" [76.2cm] |
| DIM. B | 2'-4" [71.12cm] |
| DIM. C | 2'-4" [71.12cm] |




***ASSEMBLY DRAWING***

10740 SHOWN WITH OPTIONAL
ZERO-G CHAIRS

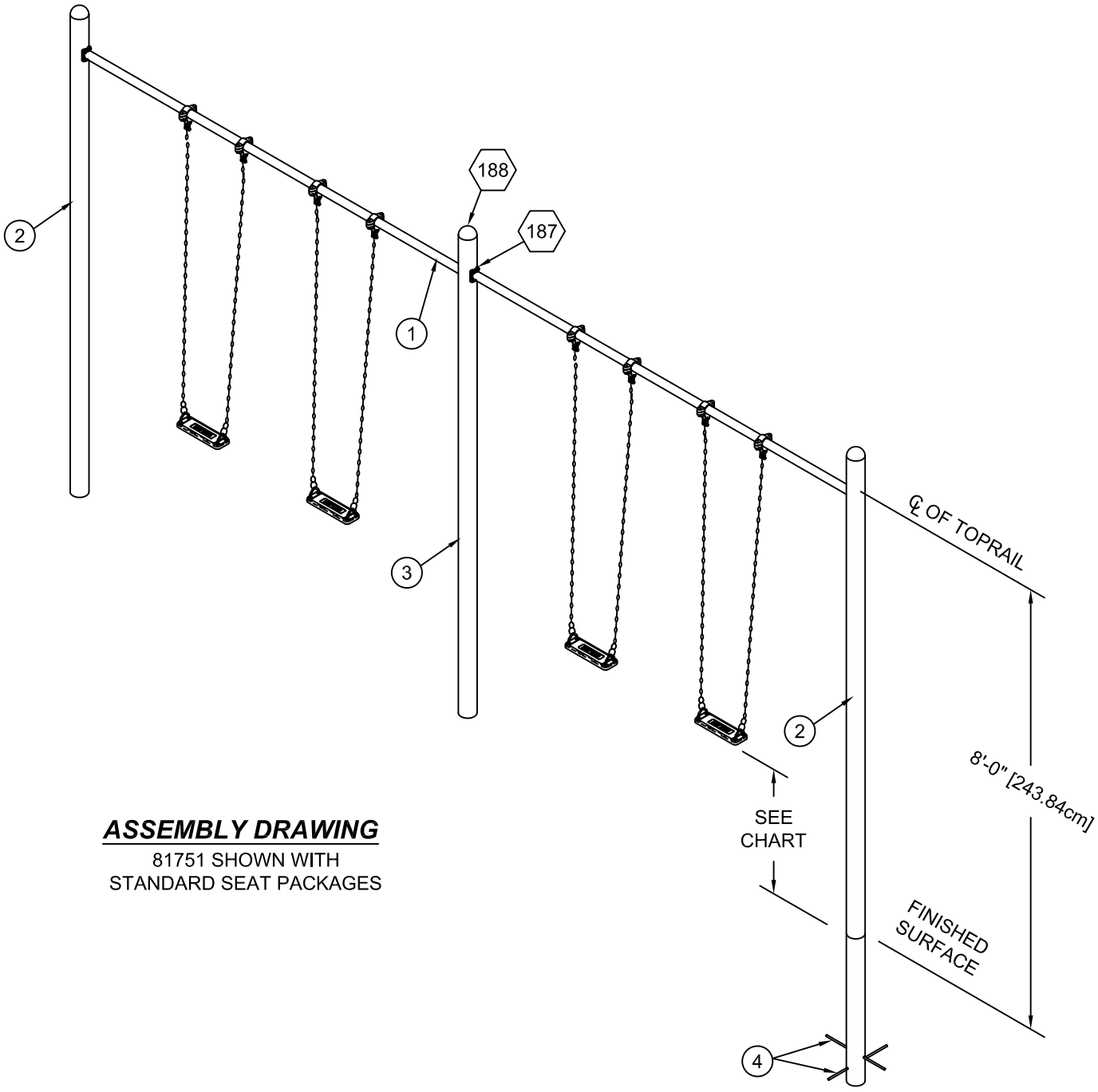



## ***GROUND PLAN***

10740

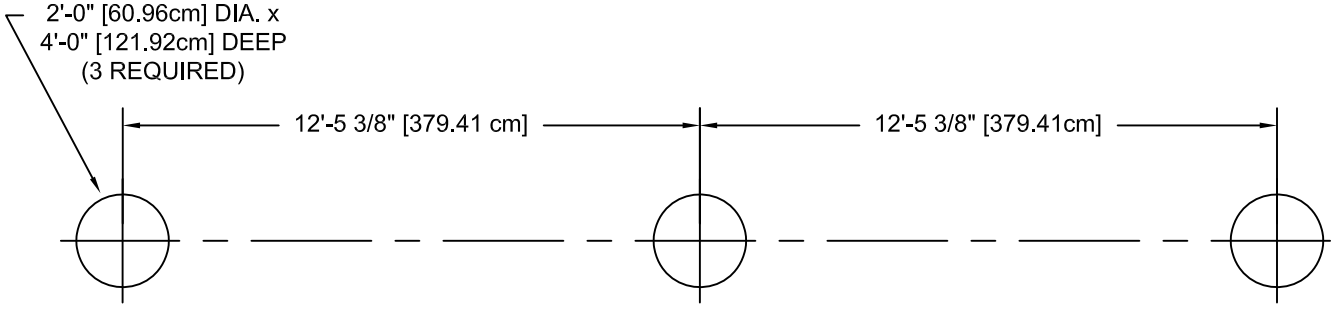
NOTE: Hole depths indicated on all ground plans are measurd from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.

Concrete Required:
.70 Cubic Yards
[.54 Cubic Meters]




***ASSEMBLY DRAWING***

81751 SHOWN WITH
STANDARD SEAT PACKAGES



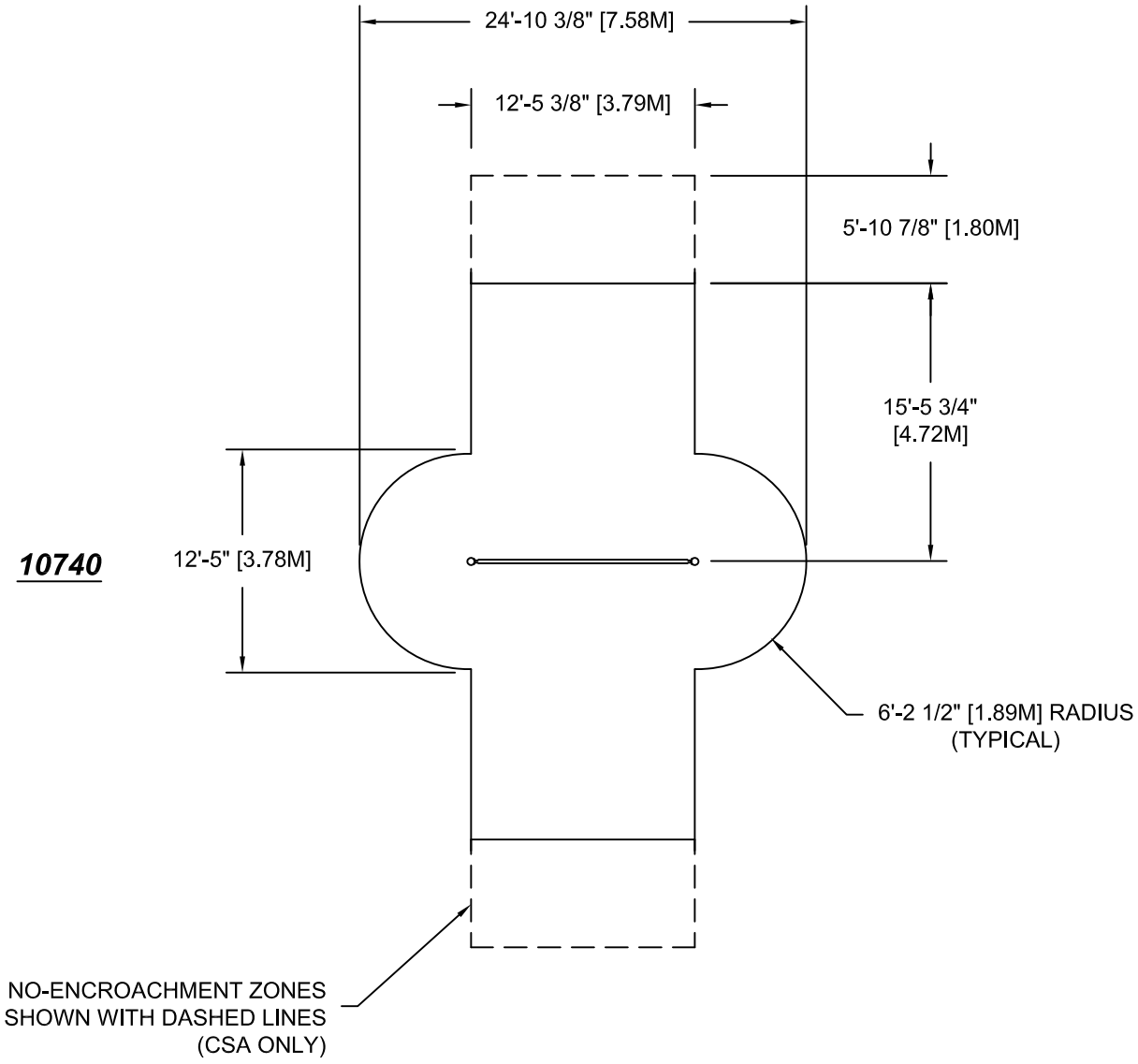

***GROUND PLAN***

81751

NOTE: Hole depths indicated on all ground plans are measurd from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.

Concrete Required:
1.05 Cubic Yards
[.81 Cubic Meters]

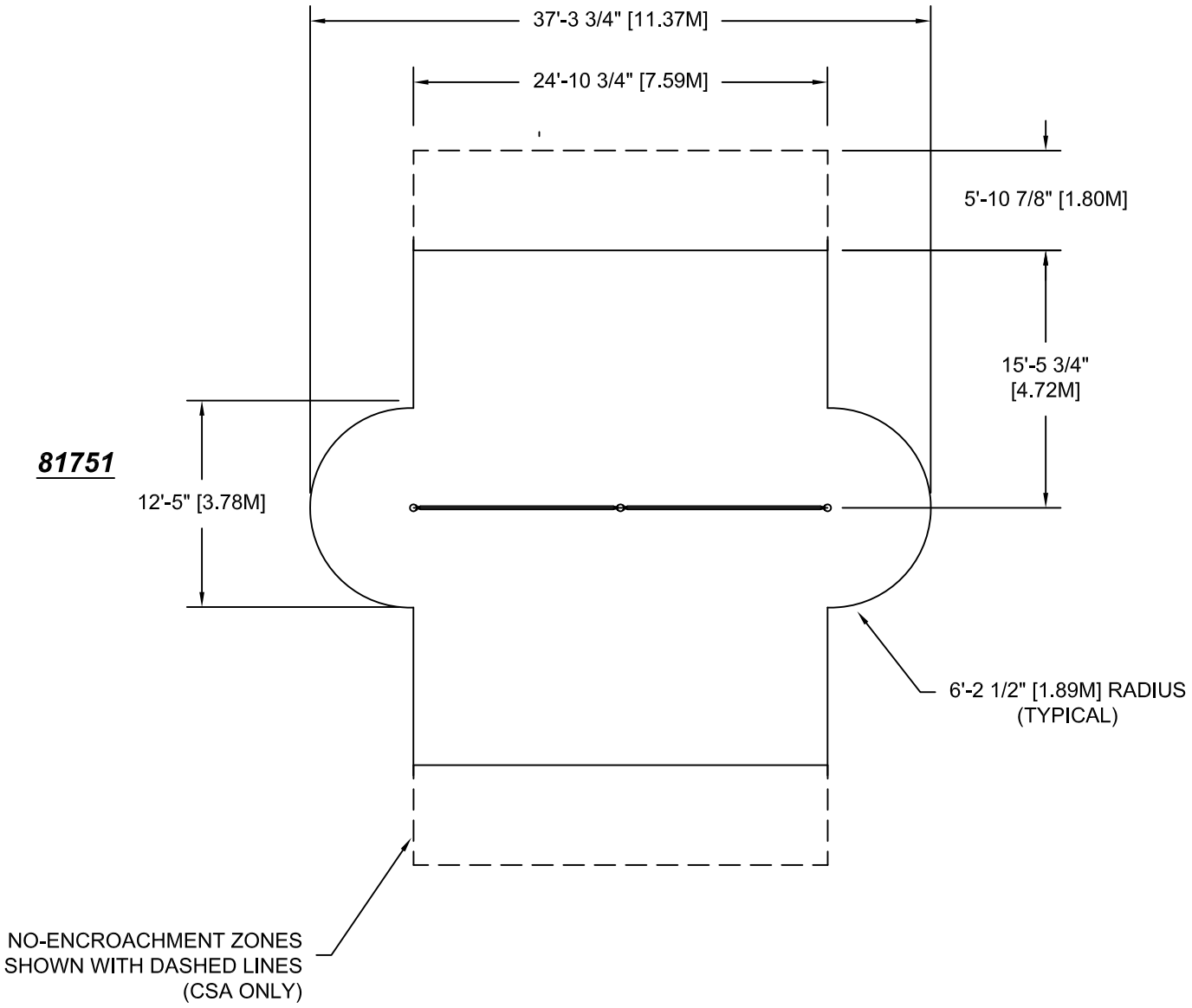
## ***TOP VIEW***




***10740***

NOTES:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT* ZONE (CANADA ONLY).

## ***TOP VIEW***




***81751***

NOTES:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT* ZONE (CANADA ONLY).

## *SPECIFICATIONS*

***POSTS:*** Shall be fabricated of 5" O.D. (7 Gauge) galvanized steel tubing.

***TOP RAIL:*** Shall be fabricated of 3 1/2" O.D. (7 Gauge) steel tubing. Top rail also includes 1/4" thick HR steel tabs to attach posts.

***FINISH:*** Shall be an electrostatically applied custom formula of TGIC polyester powder with baked finish. Specify color desired.

***HARDWARE:*** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***SPECIFICATIONS:*** GAMETIME® has a policy of continuous improvement and reserves the right to change specifications without notice.

## STOP IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS STOP

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE INSTALLATION SHEETS AND INSTALLATION INSTRUCTIONS. THE INSTALLATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.

☐ Replace all worn S-Hooks. S-Hooks must be completely closed. To close S-Hooks properly, use GAMETIME® S-Hook Pliers. Failure to close S-Hooks properly can result in serious injury to the user. Never reuse S-Hooks.

☐ Test for free movement of swing hanger and other moving attached parts.

☐ Check for worn chains and replace them.

☐ Replace worn or damaged seats.

☐ A soft, resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat, both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

## *INSTALLATION INSTRUCTIONS*

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***NOTE:*** It is important to check the hole location in the upright and on the drawings while assembling this unit.

***STEP 1:*** Dig holes according to the Ground Plan (see Detail 005 also). Place a brick or equivalent at the bottom of the hole to provide a solid foundation. Allow for this in hole depth (see Detail 005).

***STEP 2:*** Attach toprail onto the posts and secure with 3/8" x 1 1/4" P.B.H.C.S., 3/8" flatwasher, 3/8" lockwasher and 3/8" hex nut (see Detail 187).

***STEP 3:*** Set frame in holes, making sure that legs rest on foundation bricks. Check to ensure swing is level.

***STEP 4:*** Fill holes with concrete per Detail 005. Plumb and brace assembly. Allow a minimum of 48 hours for concrete to harden before continuing.

***NOTE:*** Loctite (supplied by others) should be used on all threaded hardware.

***STEP 5:*** Place swing hangers on toprail using Assembly Drawing for spacing. Hang seats per Installation Sheet for swing seats.

***STEP 6:*** After assembly is complete, place manufacturer's I.D. label in a visible location.

## *PARTS LIST*

| REF. NO. | DESCRIPTION | NO. REQ'D | | PART NUMBER |
|---|---|---|---|---|
| | | 10740 | 81751 | |
| 1 | Single Post Swing Toprail | 1 | 2 | 208758 |
| 2 | Single Post Swing End Post | 2 | 2 | LG6545 |
| 3 | Single Post Swing Center Post | 0 | 1 | LG6547 |
| | Upright Cap | 2 | 3 | 140200 |
| | Hardware Complete | 1 | 0 | 177876 |
| | Hardware Complete | 0 | 1 | 178673 |
| 4 | Anchor Rod | 4 | 6 | 156063* |
| | 3/8" x 1-1/4" P.B.H.C.S. w/ Patch | 8 | 16 | 812051* |
| | 3/8" Lockwasher | 8 | 16 | 817334* |
| | 3/8" Flatwasher | 8 | 16 | 817410* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 8 | 16 | 817424* |
| | 3/8" Locknut | 8 | 16 | 804353* |
| | Pop rivet | 4 | 6 | 137618* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

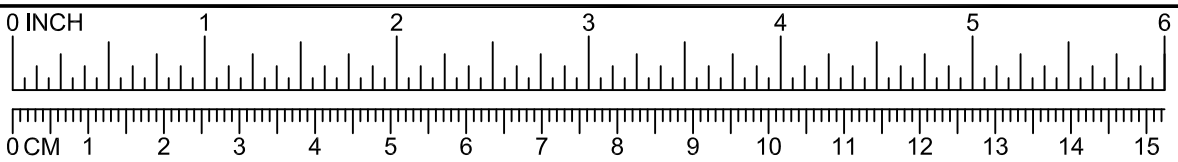
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

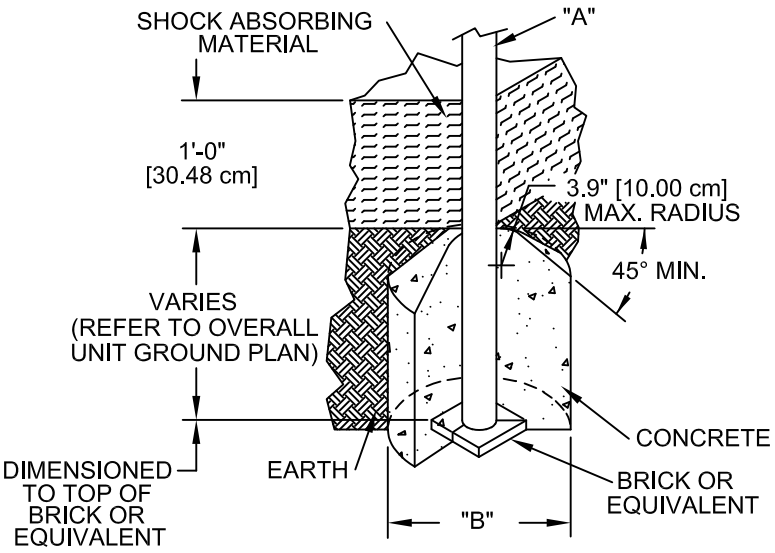
# DETAILS -for-
# 10740 & 81751

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



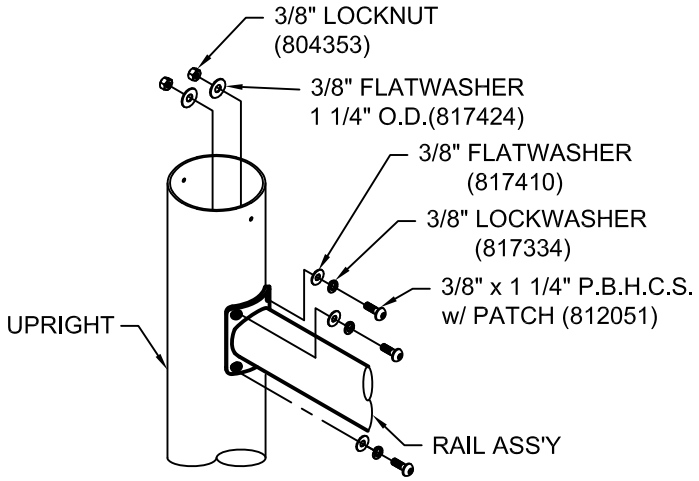




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

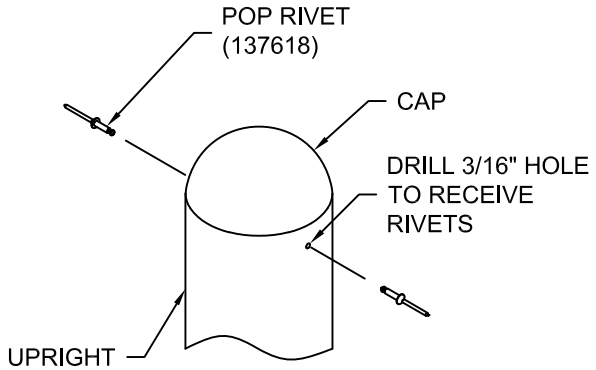
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN (817410) FLATWASHERS TO MATCH RADIUS OF PIPE.

TIGHTEN HARDWARE UNTIL (817424) FLATWASHERS FORMS TO INSIDE RADIUS OF PIPE.

187




188

PRIME TIME

A PLAYCORE COMPANY GameTime

Enriching Childhood Through Play

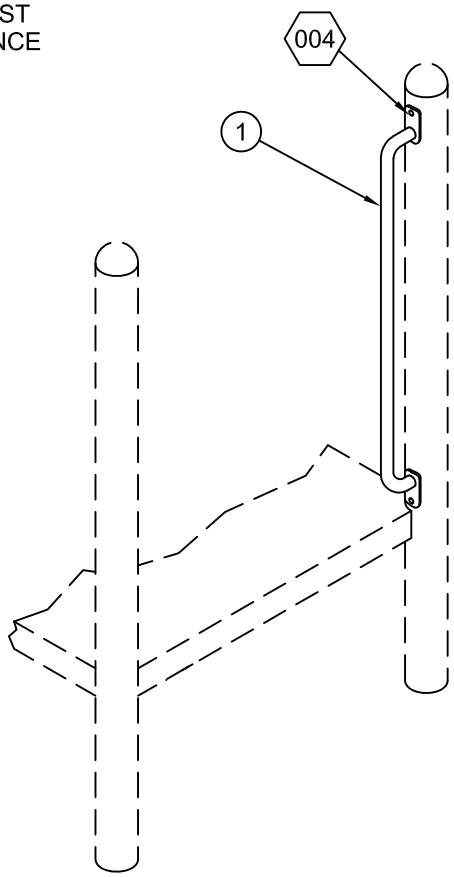
**1-800-235-2440**

**ISSUED/REVISED: 06/7/17**

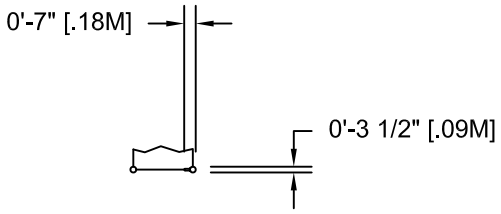
# 12055
# HANDHOLD TRANSFER

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE




***ASSEMBLY DRAWING***




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING.
3. Loctite (supplied by others) should be used on any non-patch hardware.

## *PARTS LIST*

| *REF NO.* | *DESCRIPTION* | *No. REQ'D* | *PART NUMBER* |
|---|---|---|---|
| 1 | Handhold | 1 | 151345 |
| | Hardware Complete | 1 | 151404 |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 811051* |
| | 3/8" Lockwasher | 2 | 817334* |
| | 3/8" Flatwasher | 2 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

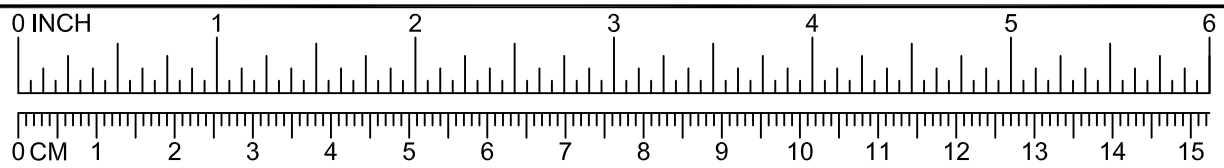
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

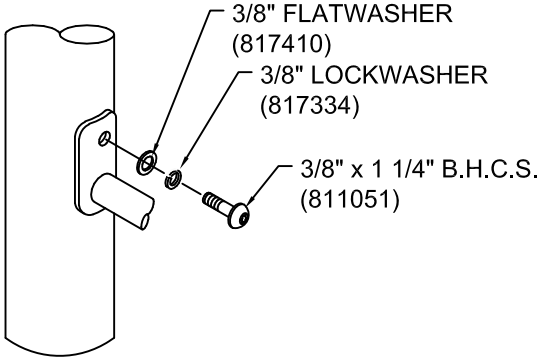
# DETAILS -for-
# 12055

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




004

PRIME TIME

A PLAYCORE COMPANY GameTime

Enriching Childhood Through Play

**1-800-235-2440**

**ISSUED/REVISED: 1/24/18**

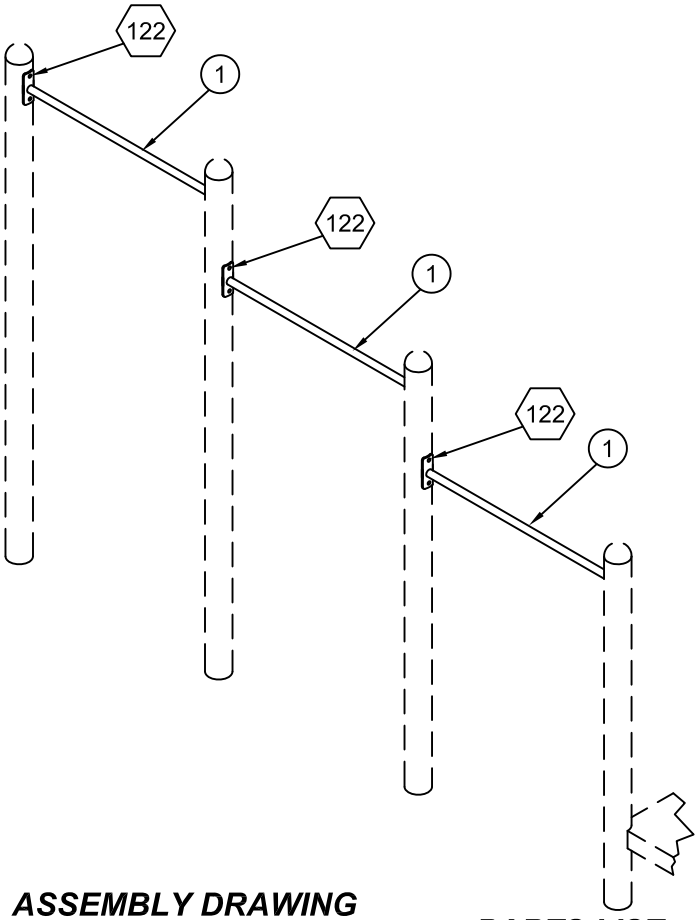
# 12201
# CHINNING BARS

= INSTALLATION DETAIL

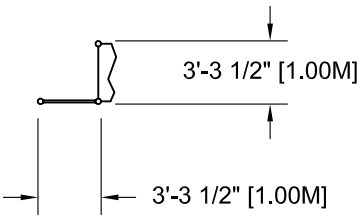
= PARTS LIST REFERENCE

COMPONENTS SHOWN UTILIZE ALUMINUM URIGHTS. FOR GALVANIZED, ADD "G" PREFIX TO FINAL NUMBER

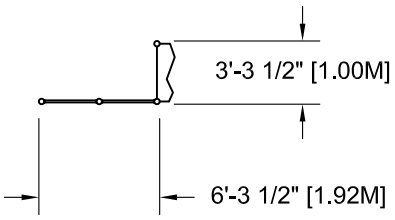
| | |
|---|---|
| **ONE-LEVEL** | **12201** |
| **TWO-LEVEL** | **12202** |
| **THREE-LEVEL** | **12203** |



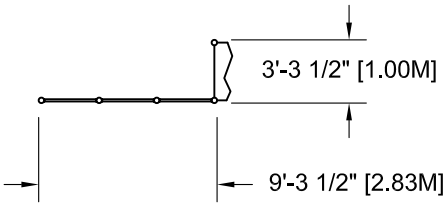

***ASSEMBLY DRAWING***




*12201*




*12202*




*12203*

***TOP VIEWS***

***PARTS LIST***

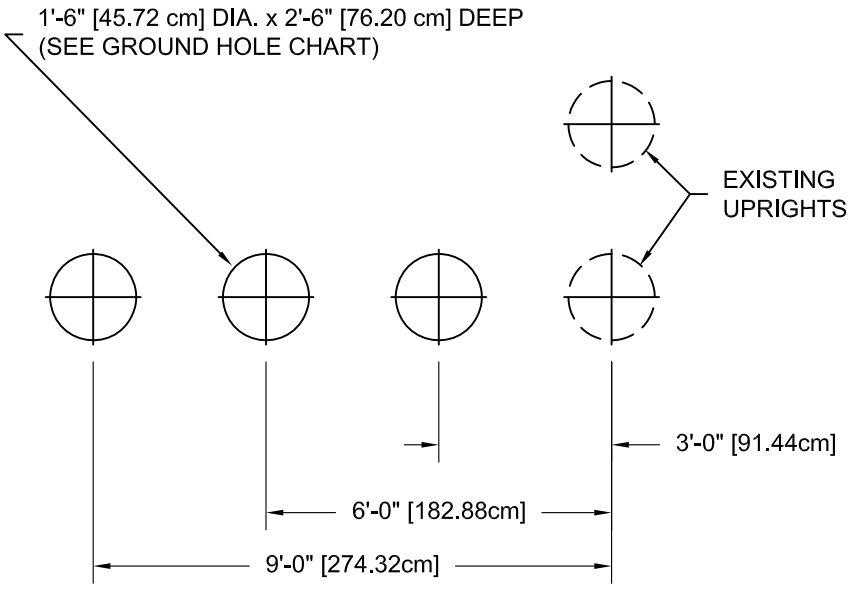
| REF NO. | DESCRIPTION | No. REQUIRED 12201 | 12202 | 12203 | PART NUMBER |
|---|---|---|---|---|---|
| 1 | Horizontal Rung | 1 | 2 | 3 | 205945 |
| | Upright Ass'y | SEE TOP VIEW OF YOUR MODULAR UNIT FOR PROPER UPRIGHT IDENTIFICATION | | | |
| | Hardware Complete | 1 | 0 | 0 | 205946 |
| | Hardware Complete | 0 | 1 | 0 | 205947 |
| | Hardware Complete | 0 | 0 | 1 | 151924 |
| | 3/8" x 1 1/4" B.H.C.S. | 4 | 8 | 12 | 811051* |
| | 3/8" Lockwasher. | 4 | 8 | 12 | 817334* |
| | 3/8" Flatwasher. | 4 | 8 | 12 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Loctite (supplied by others) should be used on all threaded hardware.***

| PART NO. | QTY. |
|---|---|
| 12201 | 1 |
| 12202 | 2 |
| 12203 | 3 |




## ***GROUND PLAN***

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:

2'-6" [76.20cm] FOOTING DEPTH

12201
.10 CUBIC YARDS
[.07 CUBIC METERS]

12202
.20 CUBIC YARDS
[.15 CUBIC METERS]

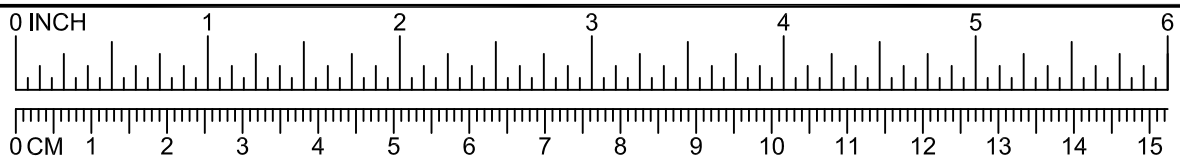
12203
.30 CUBIC YARDS
[.22 CUBIC METERS]

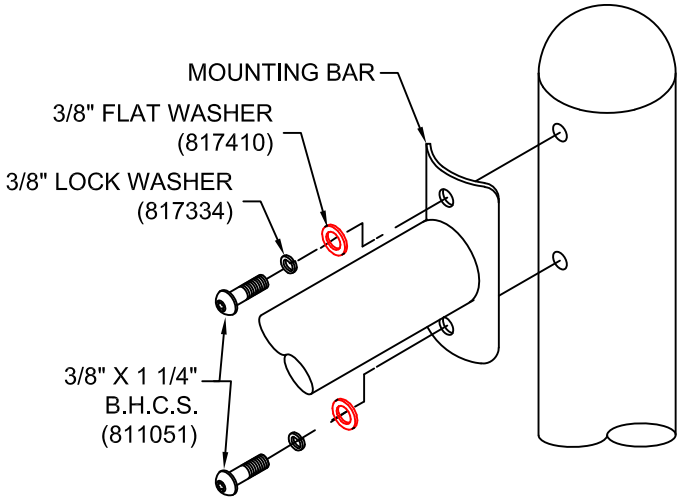
# DETAILS -for-
# 12201, 12201, & 12203

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




122

PRIME TIME

A PLAYCORE COMPANY GameTime

Enriching Childhood Through Play

**1-800-235-2440**

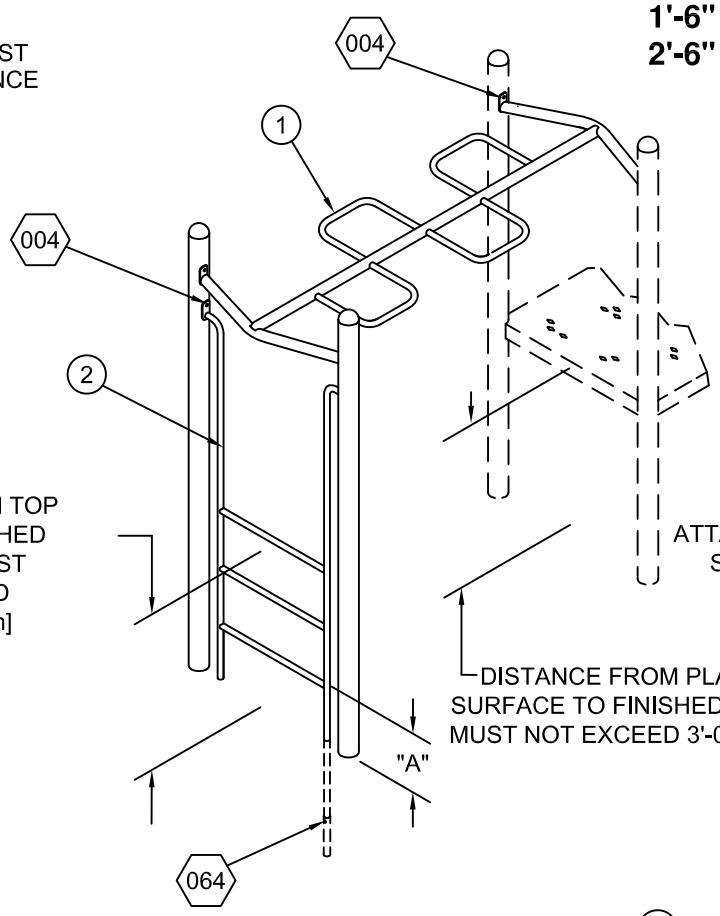
**ISSUED/REVISED: 01/19/17**

# 12205 OVERHEAD TREE CLIMBER

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

| | |
|---|---|
| **1'-6" THRU 3' LINK** | **12205** |
| **1'-6" AND 2' ATTACHMENT** | **12206** |
| **2'-6" AND 3' ATTACHMENT** | **12207** |

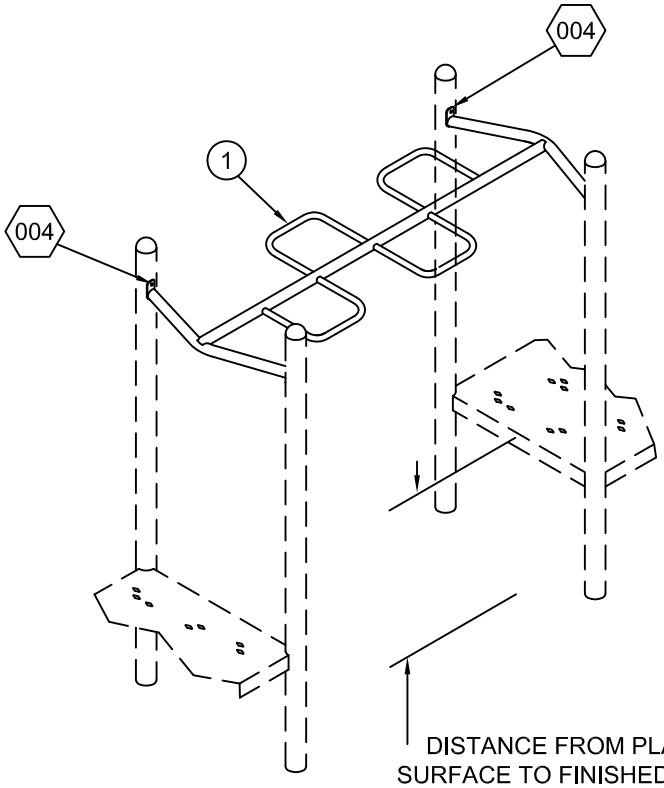



COMPONENT SHOWN UTILIZES ALUMINUM UPRIGHTS.
FOR GALVANIZED, ADD "G" PREFIX TO FINAL NUMBER.

DISTANCE FROM TOP RUNG TO FINISHED SURFACE MUST NOT EXCEED 3'-0" [91.44cm]

12207 ATTACHMENT SHOWN

DISTANCE FROM PLATFORM SURFACE TO FINISHED SURFACE MUST NOT EXCEED 3'-0" [91.44cm]




12205 LINK

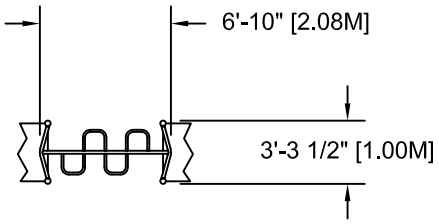
DISTANCE FROM PLATFORM SURFACE TO FINISHED SURFACE MUST NOT EXCEED 3'-0" [91.44cm]

| Deck Height | Dim "A" |
|---|---|
| 1'-6" & 2'-6" | 0'-6" [15.24cm] |
| 2'-0" & 3'-0" | 1'-0" [30.48cm] |

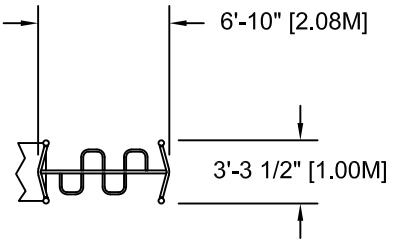
## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.

***ASSEMBLY DRAWINGS***

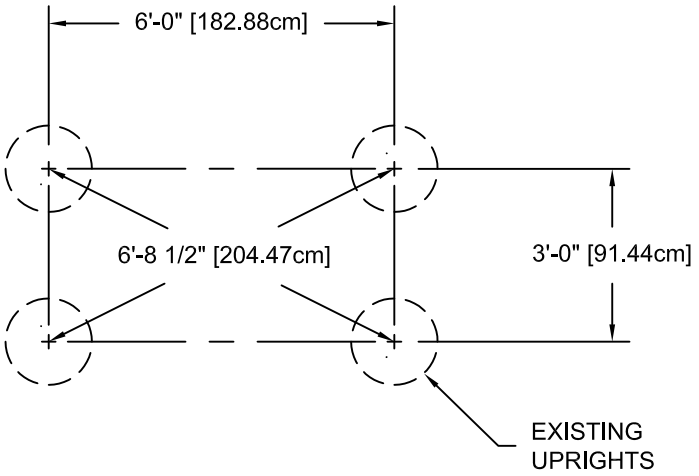



12205



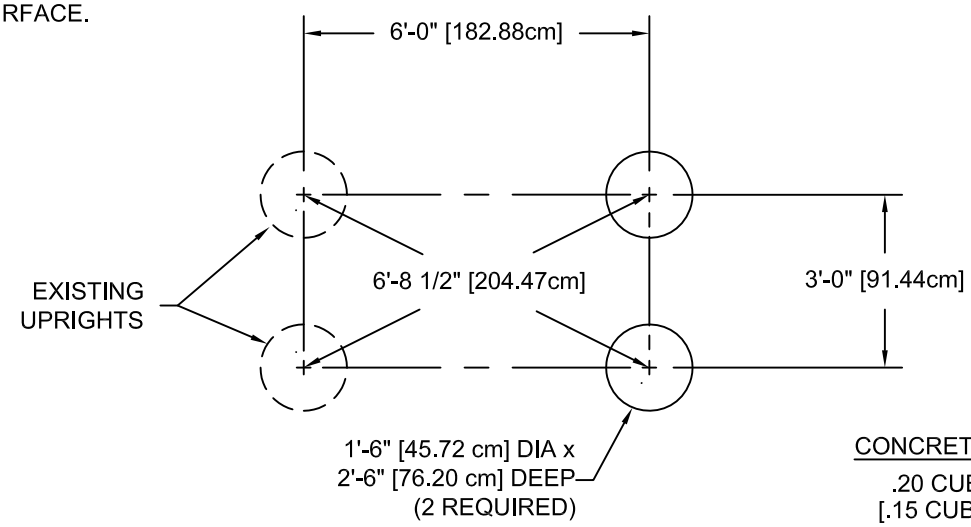

12206/12207

## ***TOP VIEWS***




12205

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




CONCRETE REQUIRED:

.20 CUBIC YARDS
[.15 CUBIC METERS]

12206/12207

## ***GROUND PLANS***

## *PARTS LIST*

| *REF. NO.* | *DESCRIPTION* | *No. REQ'D.* | | | *PART NUMBER* |
|---|---|---|---|---|---|
| | | *12205* | *12206* | *12207* | |
| 1 | Over Head Tree Climber | 1 | 1 | 1 | 156699 |
| 2 | Vertical Ladder (Long) | 0 | 0 | 1 | 151039 |
| 2 | Vertical Ladder (Short) | 0 | 1 | 0 | 151138 |
| | Upright | See Top View of Your Modular Unit for Proper Upright Identification | | | |
| | Upright | | | | |
| | *Hardware Complete* | 1 | 0 | 0 | 212830 |
| | *Hardware Complete* | 0 | 1 | 1 | 152111 |
| | 3/8" x 1 1/4" B.H.C.S. | 4 | 6 | 6 | 811051* |
| | 3/8" x 2" Hex Bolt | 0 | 2 | 2 | 801007* |
| | 3/8" Lockwasher | 4 | 8 | 8 | 817334* |
| | 3/8" Hex Nut | 0 | 2 | 2 | 804053* |
| | 3/8" Flatwasher | 4 | 6 | 6 | 817410* |
| | Extension Leg | 0 | 2 | 2 | 152110* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

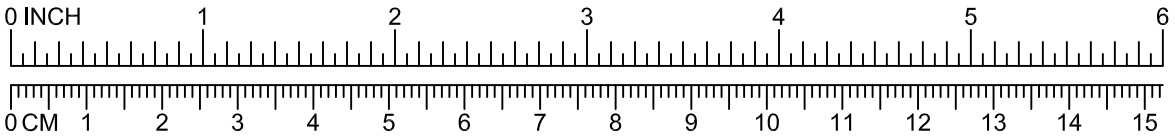
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

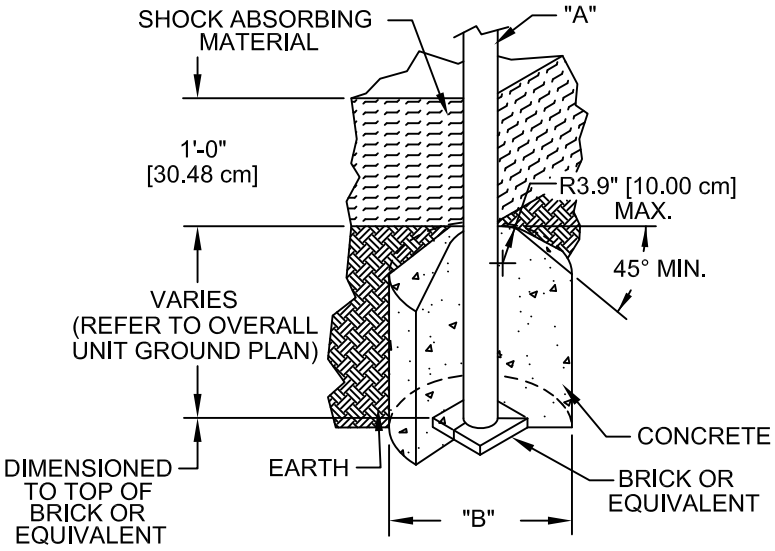
# DETAILS -for-
# 12205, 12206, 12207

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



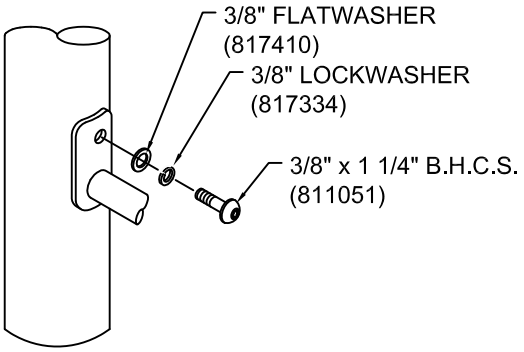




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 3 1/2" [8.89 cm] | 2'-0" [60.96 cm] |

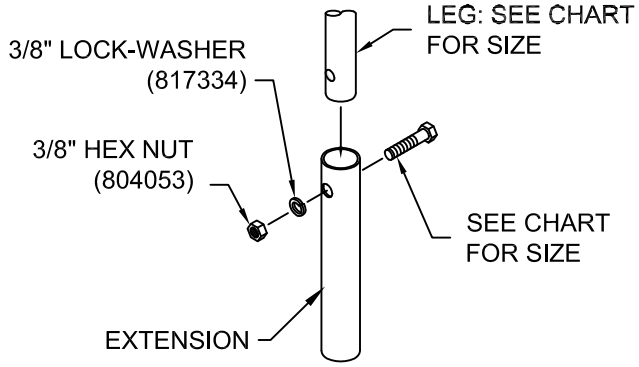
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




004




| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| **1 5/16" [3.3 cm]** | **3/8" x 2" HEX HEAD (801007)** |
| **1 5/8" [4.1 cm]** | **3/8" x 2 1/2" HEX HEAD (801009)** |
| **1 7/8" [6.0 cm]** | **3/8" x 3" HEX HEAD (801011)** |
| **2 3/8" [6.0 cm]** | **3/8" x 3 1/2" HEX HEAD (801013)** |

064

PRIME TIME

A PLAYCORE COMPANY GameTime

Enriching Childhood Through Play℠

**1-800-235-2440**

**ISSUED/REVISED: 03/28/2022**

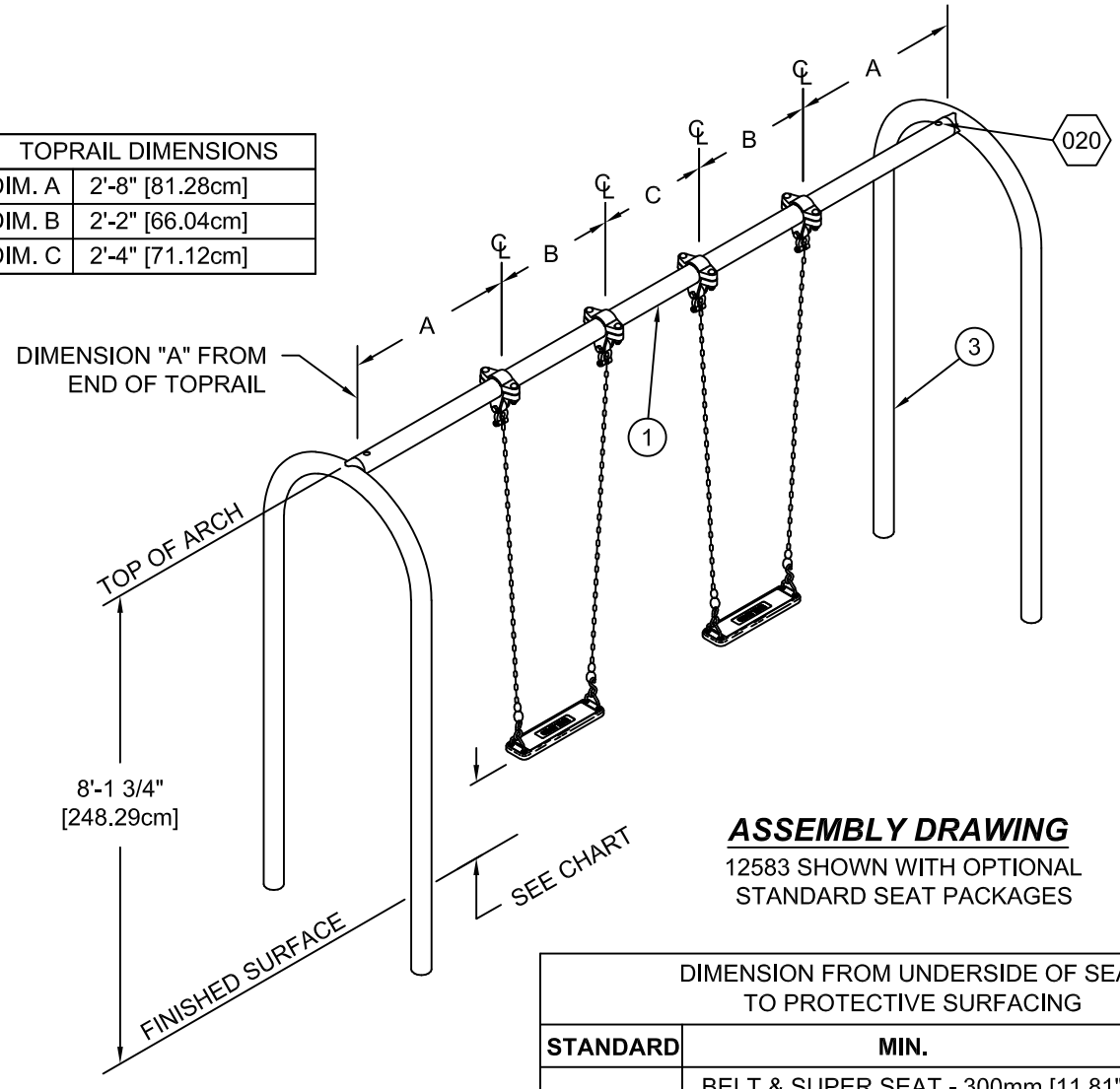
# 12583
# ADA PRIMETIME SWING

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

**NOTE: 12583 FREESTANDING**
**12584 ADD-A-BAY**

| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-8" [81.28cm] |
| DIM. B | 2'-2" [66.04cm] |
| DIM. C | 2'-4" [71.12cm] |



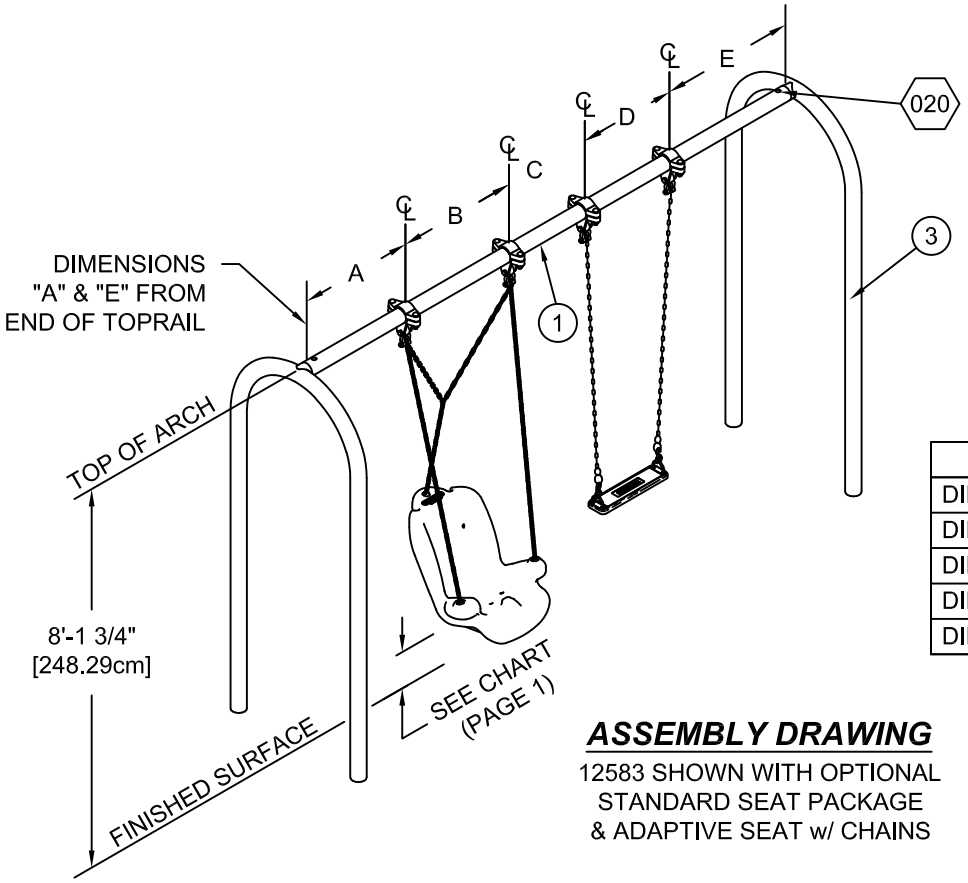

***ASSEMBLY DRAWING***

12583 SHOWN WITH OPTIONAL STANDARD SEAT PACKAGES

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| **STANDARD** | **MIN.** | **MAX.** |
| CANADIAN | BELT & SUPER SEAT - 300mm [11.81"]<br>ENCLOSED TOT SEAT - 600mm [23.62"] | N/A |
| ASTM | BELT & SUPER SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | BELT & SUPER SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

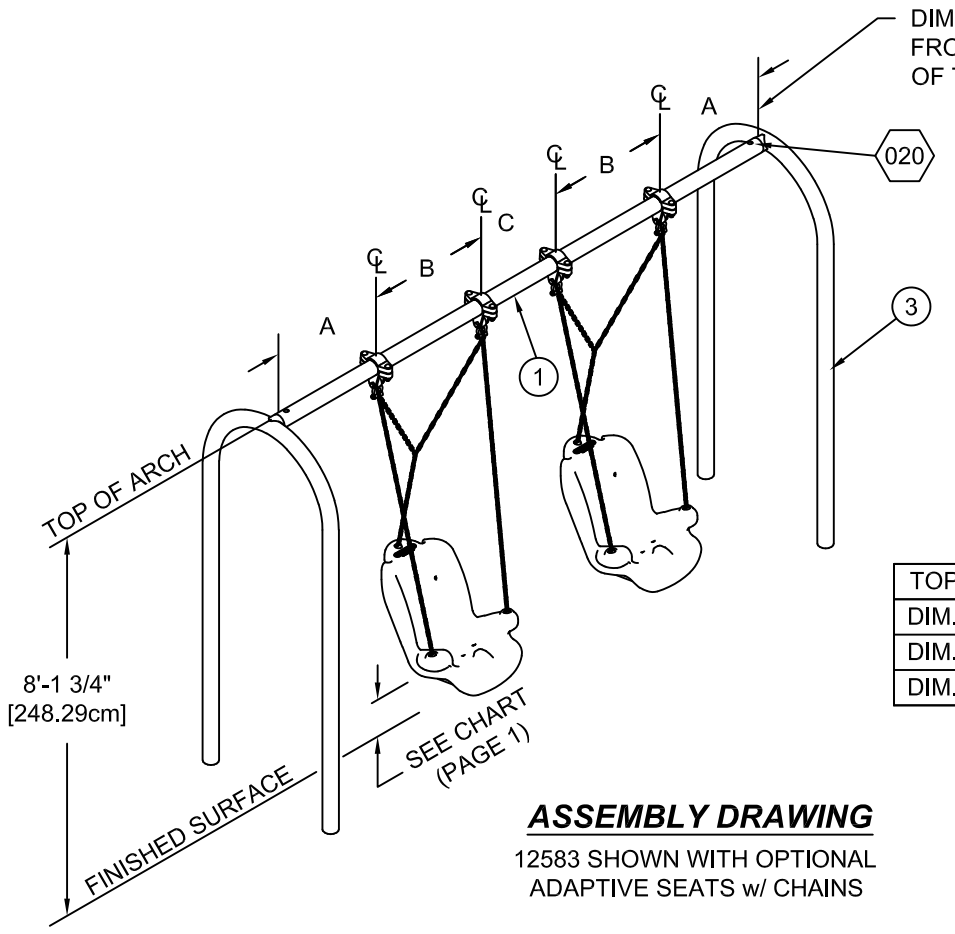
NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWINGS NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.




| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-6" [73.66cm] |
| DIM. B | 2'-8" [81.28cm] |
| DIM. C | 2'-2" [66.04cm] |
| DIM. D | 2'-2" [66.04cm] |
| DIM. E | 2'-6" [76.20cm] |

***ASSEMBLY DRAWING***

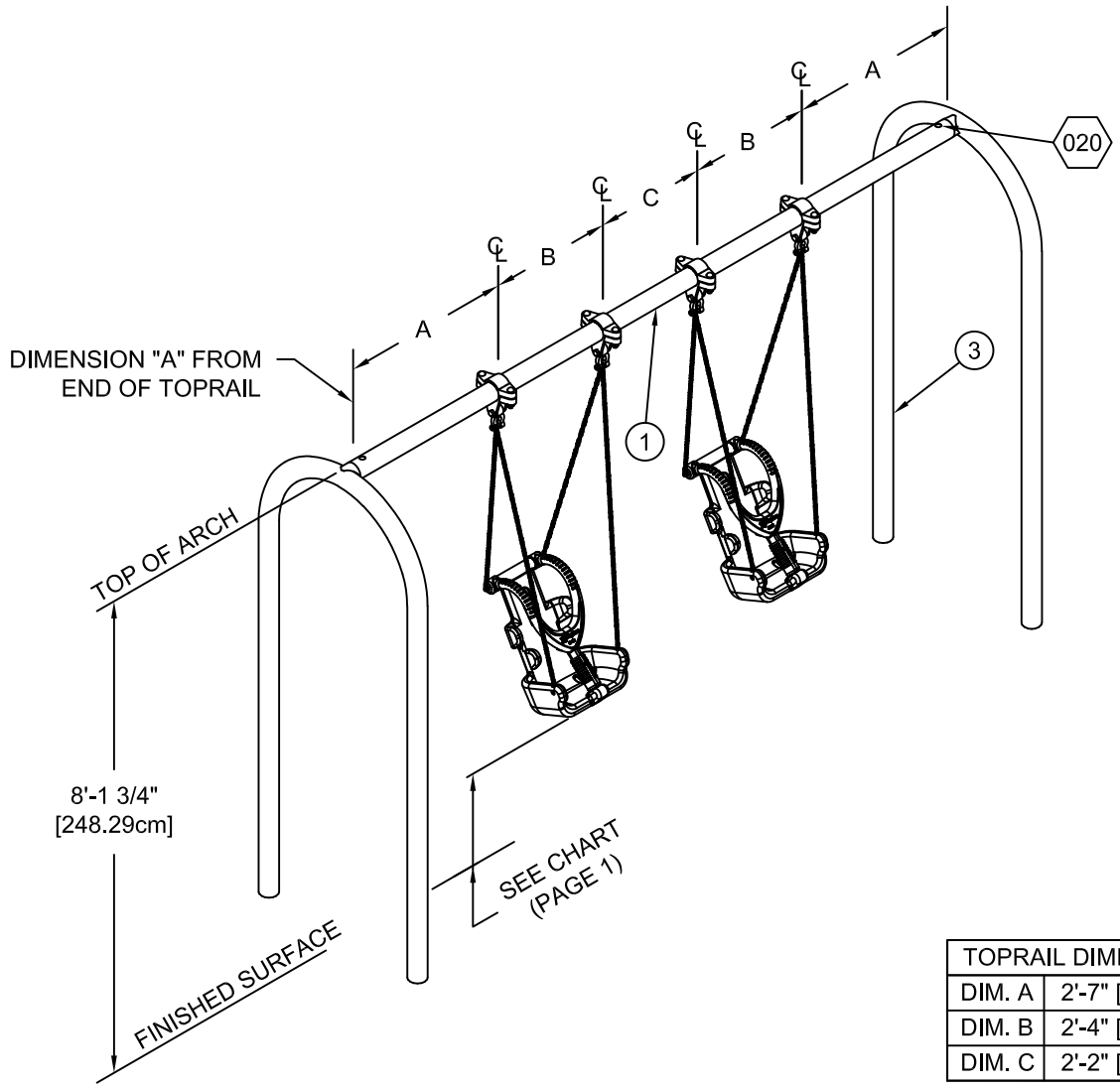
12583 SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGE
& ADAPTIVE SEAT w/ CHAINS




| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-5" [73.66cm] |
| DIM. B | 2'-8" [81.28cm] |
| DIM. C | 1'-10" [55.88cm] |

***ASSEMBLY DRAWING***

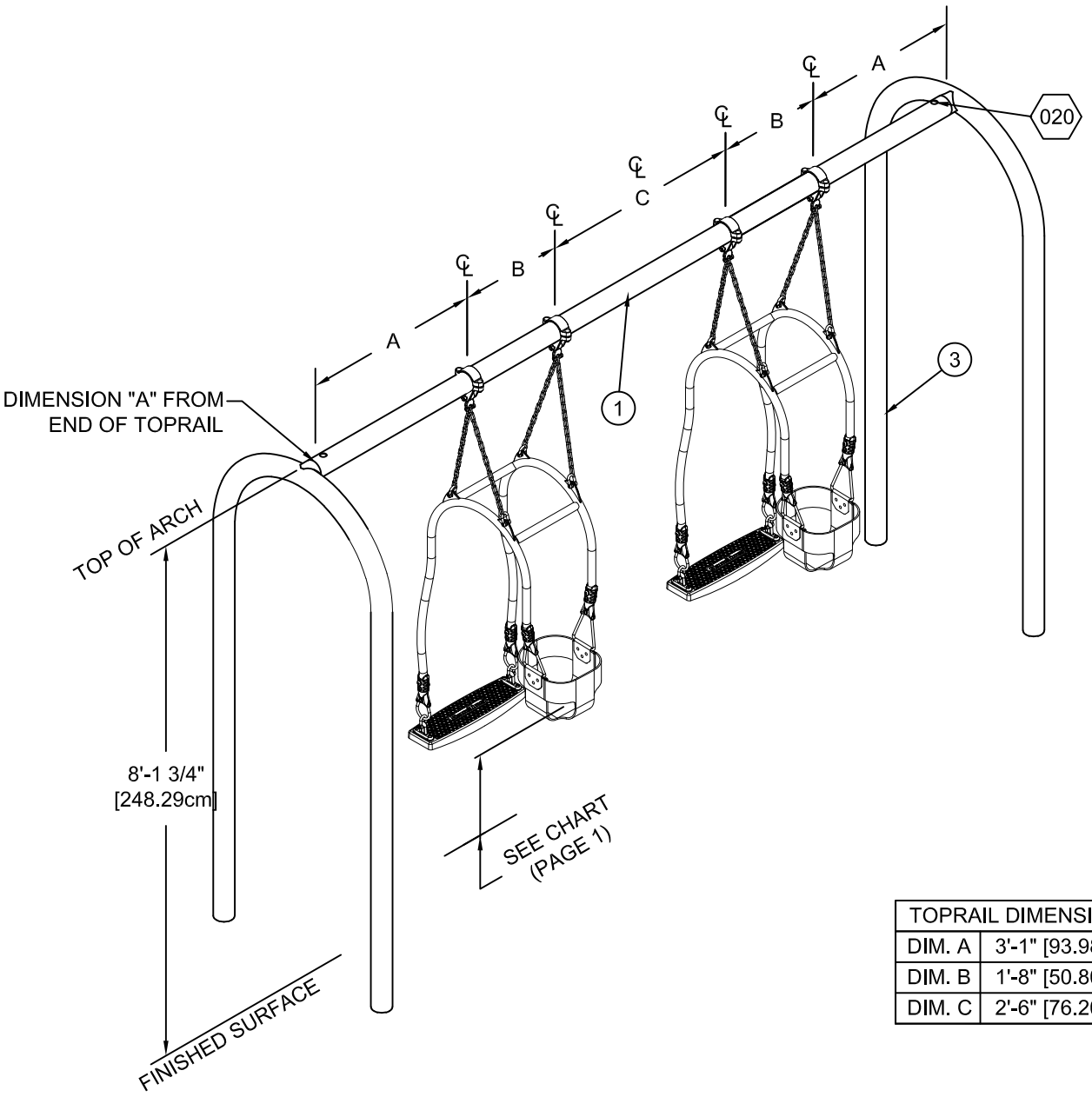
12583 SHOWN WITH OPTIONAL
ADAPTIVE SEATS w/ CHAINS




| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 2'-7" [78.74cm] |
| DIM. B | 2'-4" [71.12cm] |
| DIM. C | 2'-2" [66.04cm] |

***ASSEMBLY DRAWING***

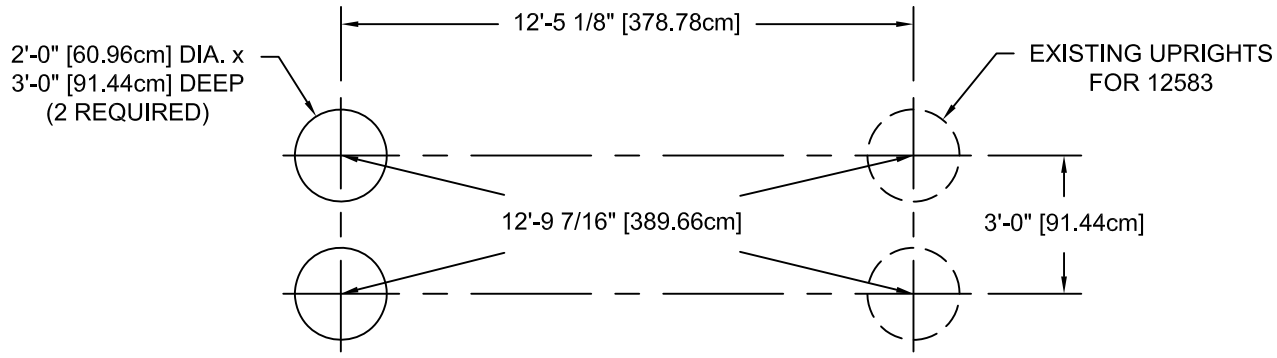
12583 SHOWN WITH OPTIONAL
ZERO-G CHAIRS




| TOPRAIL DIMENSIONS | |
|---|---|
| DIM. A | 3'-1" [93.98cm] |
| DIM. B | 1'-8" [50.80cm] |
| DIM. C | 2'-6" [76.20cm] |

## ***ASSEMBLY DRAWING***

12583 SHOWN WITH OPTIONAL
EXPRESSION SWINGS

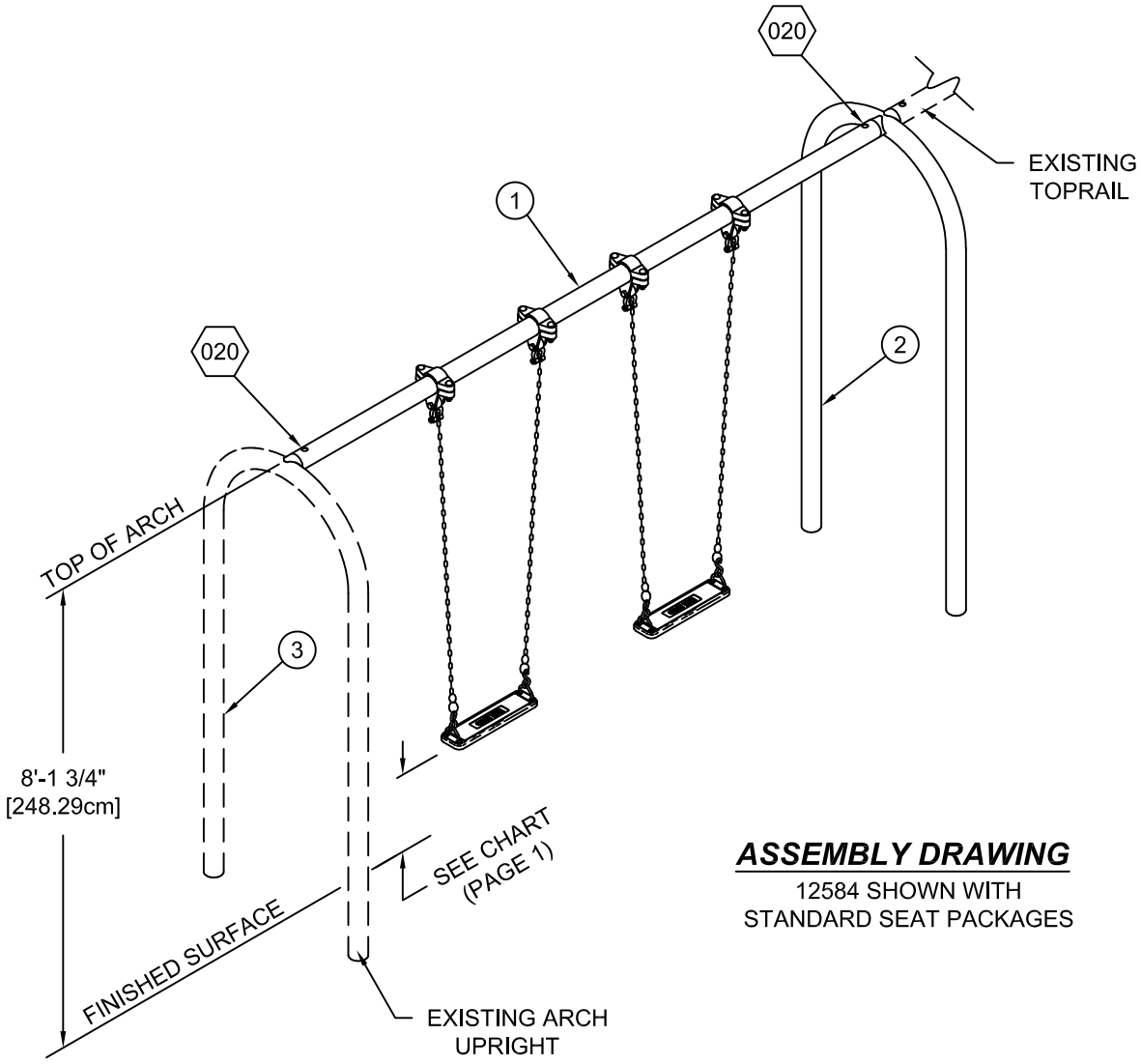



## ***GROUND PLAN***

NOTE: Hole depths indicated on all ground plans are measurd from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.

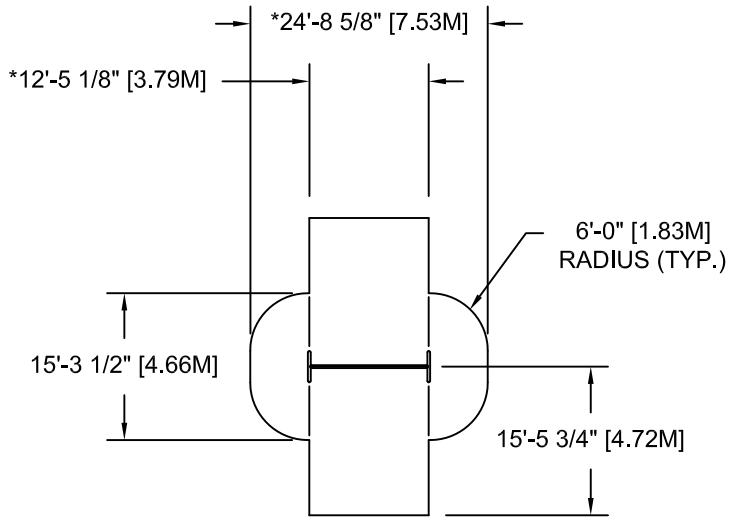
Concrete Required - 12583:
.92 Cubic Yards
[.70 Cubic Meters]

Concrete Required -12584:
.46 Cubic Yards
[.35 Cubic Meters]



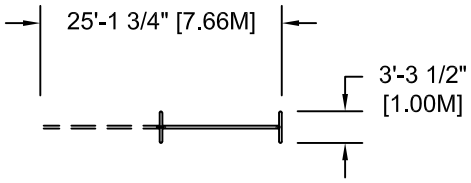

***ASSEMBLY DRAWING***

12584 SHOWN WITH
STANDARD SEAT PACKAGES

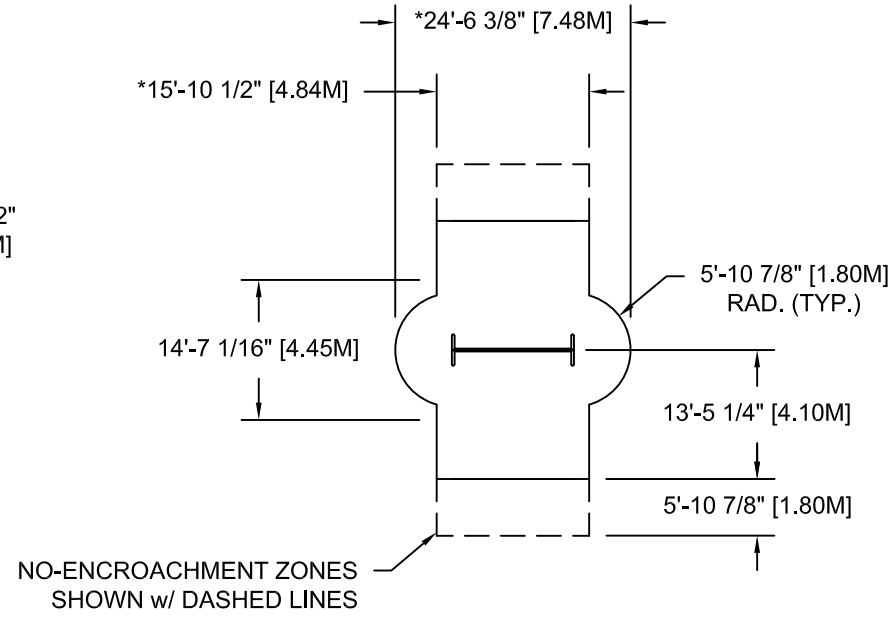



***TOP VIEWS***

12583




12584




12583 (CSA ONLY)

NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT* ZONE (CANADA ONLY).
4. *EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ZONE SURFACING, AND *NO ENCROACHMENT* ZONE DIMENSIONS BY 12'-5 1/8" [3.79M].

## *SPECIFICATIONS*

***TOPRAIL AND ARCH:*** Shall be fabricated of 3-1/2" O.D. (11 Gauge) galvanized steel tubing. Arch includes a welded 3-1/8" O.D. galvanized steel sleeve to which the toprail is fastened.

***FINISH:*** Shall be an electrostatically applied custom formula of TGIC polyester powder with baked finish. Specify color desired.

***HARDWARE:*** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***SPECIFICATIONS:*** GAMETIME® has a policy of continuous improvement and reserves the right to change specifications without notice.

## STOP IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS STOP

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE INSTALLATION SHEETS AND INSTALLATION INSTRUCTIONS. THE INSTALLATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.

☐ Replace all worn S-Hooks. S-Hooks must be completely closed. To close S-Hooks properly, use GAMETIME® S-Hook Pliers. Failure to close S-Hooks properly can result in serious injury to the user. Never reuse S-Hooks.

☐ Test for free movement of swing hanger and other moving attached parts.

☐ Check for worn chains and replace them.

☐ Replace worn or damaged seats.

☐ A soft, resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat, both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

## *INSTALLATION INSTRUCTIONS*

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***NOTE:*** It is important to check the hole location in the upright and on the drawings while assembling this unit.

***STEP 1:*** Dig holes according to the Ground Plan (see Detail 005 also). Place a brick or equivalent at the bottom of the hole to provide a solid foundation. Allow for this in hole depth (see Detail 005).

***STEP 2:*** Insert toprail onto socket on the arch and secure with 1/2" x 4" hex head bolt, 1/2" flatwasher, 1/2" lockwasher and 1/2" hex nut. Bolt head should recess inside oversize hole as shown in Detail 020.

***STEP 3:*** Set frame in holes, making sure that legs rest on foundation bricks. Check to ensure swing is level.

***STEP 4:*** Fill holes with concrete per Detail 005. Plumb and brace assembly. Allow a minimum of 48 hours for concrete to harden before continuing.

***NOTE:*** Loctite (supplied by others) should be used on all threaded hardware.

***STEP 5:*** Place swing hangers on toprail using Assembly Drawing for spacing. Hang seats per Installation Sheet for swing seats.

***STEP 6:*** After assembly is complete, place manufacturer's I.D. label in a visible location.

## *PARTS LIST*

| *REF. NO.* | *DESCRIPTION* | *NO. REQ'D* | | *PART NUMBER* |
|---|---|---|---|---|
| | | *12583* | *12584* | |
| 1 | 3-1/2" O.D. Toprail | 1 | 1 | 168622 |
| 2 | Multi-Bay Arch Upright Ass'y | 0 | 1 | 152805 |
| 3 | Arch End Upright Ass'y | 2 | 0 | 152803 |
| | Hardware Complete | 1 | 1 | 152821 |
| | 1/2" x 4" Hex Bolt | 2 | 2 | 801215* |
| | 1/2" Lockwasher | 2 | 2 | 817342* |
| | 1/2" Hex Nut | 2 | 2 | 804055* |
| | 1/2" Flatwasher | 2 | 2 | 817412* |
| | Manufacturer I.D. Label | 1 | 1 | 159151* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

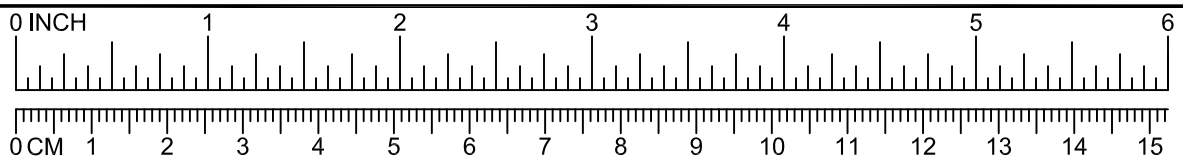
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

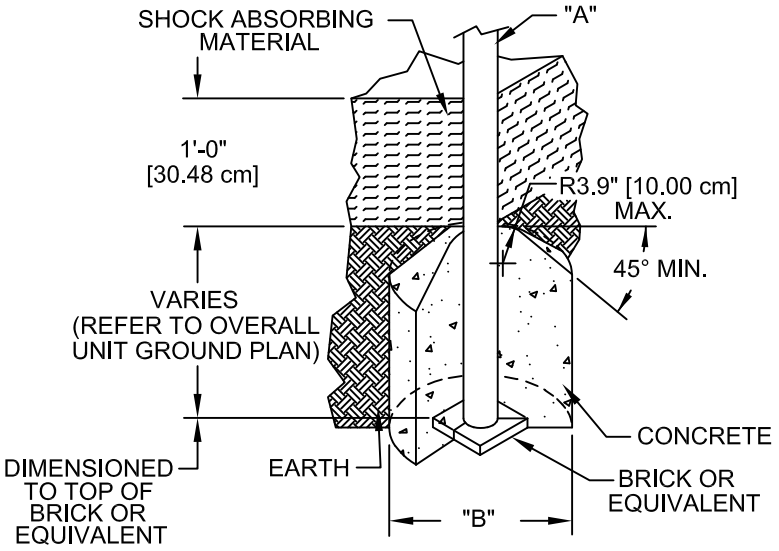
# DETAILS -for-
# 12583 & 12584

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



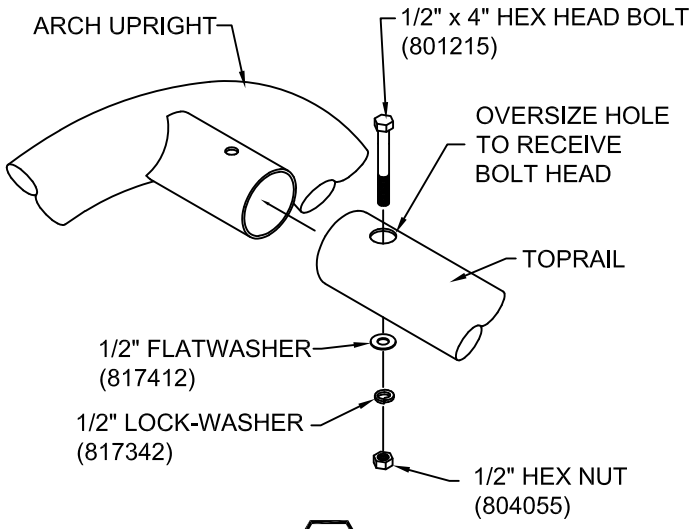

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 3 1/2" [8.89 cm] | 2'-0" [60.96 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

NOTE: PEEN FLATWASHERS AFTER INSTALLATION TO MATCH RADIUS OF TOPRAIL.




020

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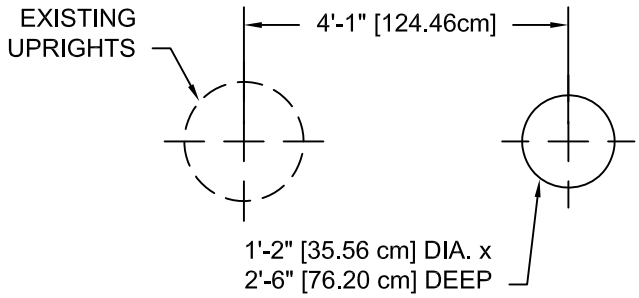
**1-800-235-2440**

**ISSUED/REVISED: 01/26/18**

# 12729 TURNING BAR

⬡ = INSTALLATION DETAIL

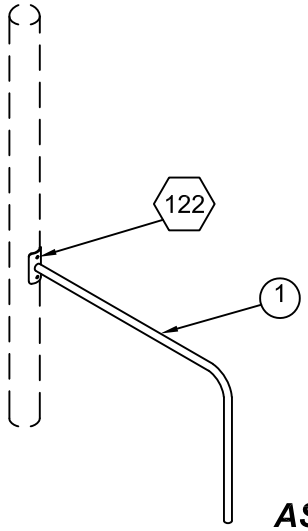
◯ = PARTS LIST REFERENCE




## GROUND PLAN

CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]

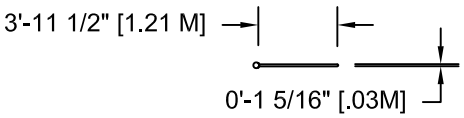
***NOTE:*** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005.
ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




## ASSEMBLY DRAWING

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on any non-patch hardware




## TOP VIEW

## PARTS LIST

| REF NO. | DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|---|
| 1 | Turning Bar | 1 | 160401 |
| | Hardware Complete | 1 | 151404 |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 811051* |
| | 3/8" Lockwasher | 2 | 817334* |
| | 3/8" Flatwasher | 2 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

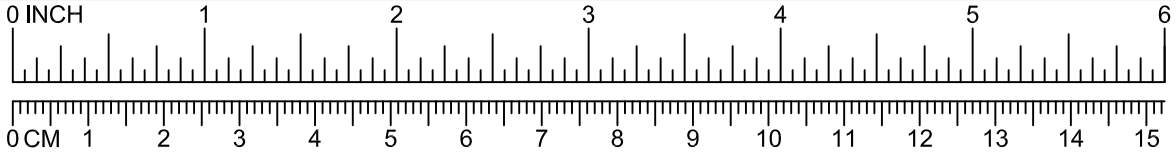
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

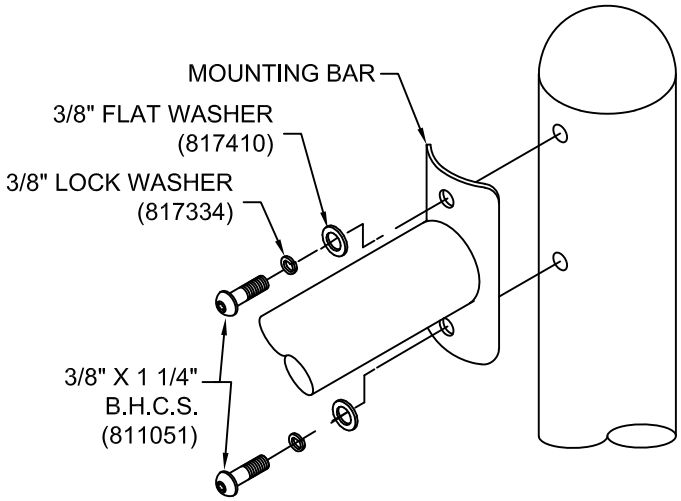
# DETAILS -for-
# 12729

***IMPORTANT***

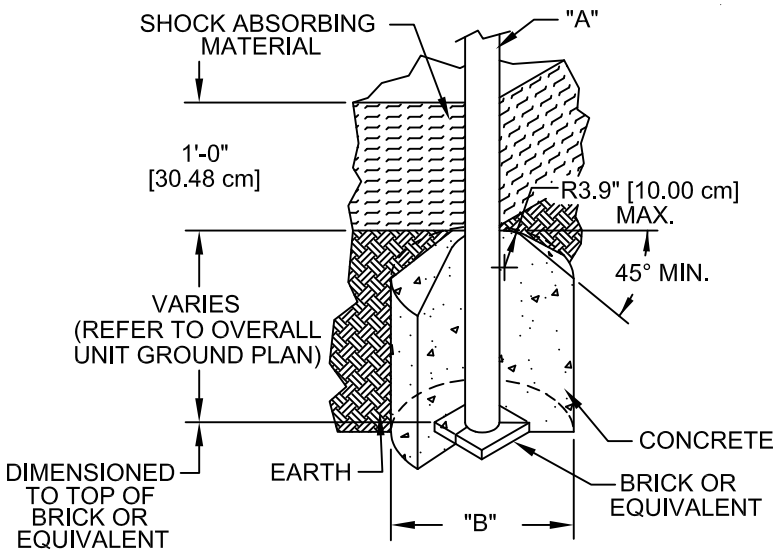
***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




122




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 3 1/2" [8.89 cm] | 2'-0" [60.96 cm] |

NOTES:
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-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

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14926

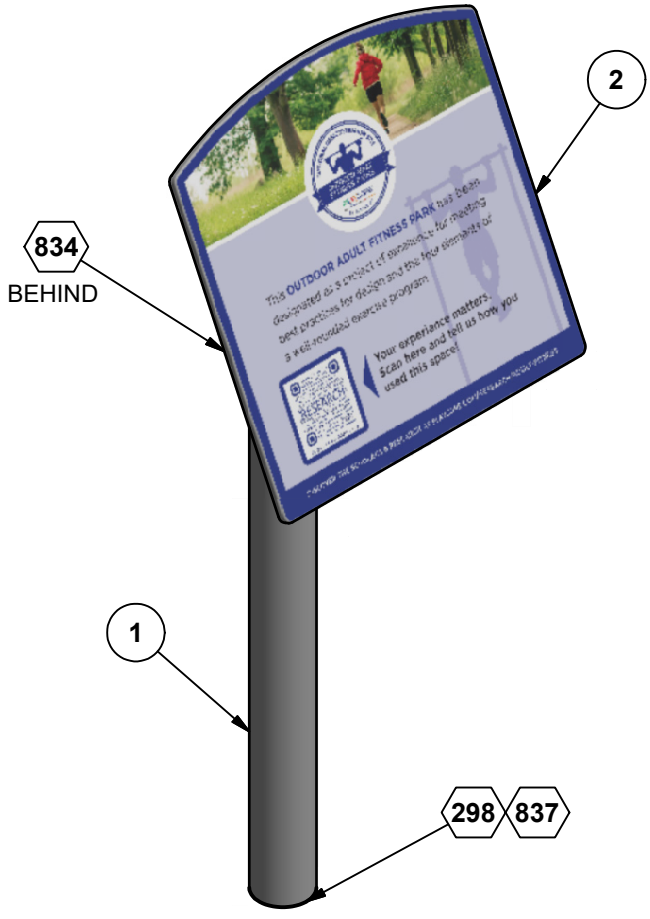
# NATIONAL DEMONSTRATION SITE SIGN PACKAGE

ISSUED/REVISED: 2/15/19

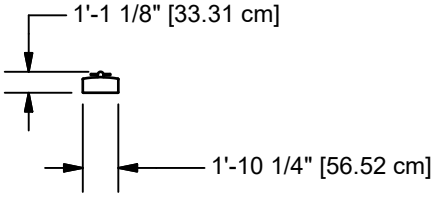
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

| | |
|---|---|
| NDS FITNESS SIGN PACKAGE | 14926 |
| NDS PLAY ON SIGN PACKAGE | 14927 |
| NDS INCLUSIVE PLAY SIGN PACKAGE | 14928 |
| NDS PATHWAYS FOR PLAY SIGN PACKAGE | 14929 |
| NDS NATURE GROUNDS SIGN PACKAGE | 14930 |




***ASSEMBLY VIEW***

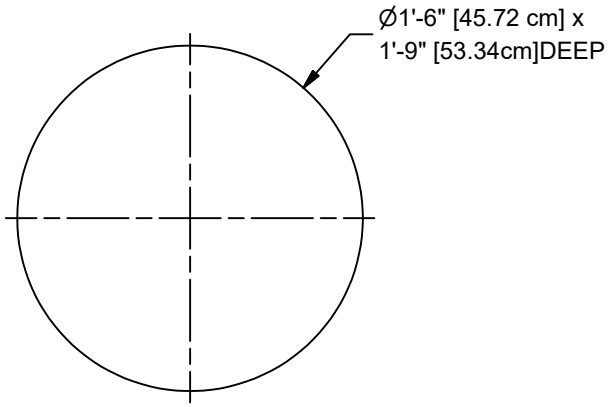



***TOP VIEW***

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 14926 | 14927 | 14928 | 14929 | 14930 | PART NUMBER |
| 1 | SIGN POST WELD ASS'Y | 1 | 1 | 1 | 1 | 1 | 216574 |
| 2 | NDS FITNESS SIGN | 1 | 0 | 0 | 0 | 0 | 216564 |
| 2 | NDS PLAY ON SIGN | 0 | 1 | 0 | 0 | 0 | 216566 |
| 2 | NDS INCLUSIVE PLAY SIGN | 0 | 0 | 1 | 0 | 0 | 216568 |
| 2 | NDS PATHWAYS FOR PLAY SIGN | 0 | 0 | 0 | 1 | 0 | 216570 |
| 2 | NDS NATURE GROUNDS SIGN | 0 | 0 | 0 | 0 | 1 | 216572 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 1 | 216580 |
| | 1/4" x 3/4" B.H.C.S. | 4 | 4 | 4 | 4 | 4 | 811010* |
| | 1/4" LOCK WASHER | 4 | 4 | 4 | 4 | 4 | 817327* |
| | 1/4" FLAT WASHER (5/8" O.D.) | 4 | 4 | 4 | 4 | 4 | 817408* |
| | 1/2" ANCHOR ROD | 1 | 1 | 1 | 1 | 1 | 135038* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




## ***GROUND PLAN***

CONCRETE REQUIRED:
.12 CUBIC YARDS
[.09 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 298. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

## *INSTALLATION INSTRUCTIONS*

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.**

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Bracing material may be required during assembly.

**STEP 1:** Dig required hole. Place a brick or equivalent in the bottom of hole to provide a solid foundation. See Assembly Drawing and Ground Plan.

**STEP 2:** Bolt Sign onto Sign Post Weld Assembly as Shown in Detail 834.

**STEP 3:** Place Anchor Rod into Sign Post Weld Ass'y using Detail 837.

**STEP 4:** Place Assembly into center of ground hole, plumb and level. Pour concrete in ground hole all 48 hours to cure.

## *SPECIFICATIONS*

**SIGN POST WELD ASSEMBLY:** Shall be an all welded construction consisting of 3 1/2" O.D. x .095” (13 gauge) wall galvanized steel tubing and 1/4” thick hot rolled steel mounting plate. The Sign Post Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specification outlined herein.

**NDS SIGNS:** The NDS Signs shall be 1/2” thick exterior DHPL with a 12 color high definition printed graphic with four 1/4” -20 UNC threaded inserts for mounting.

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protuding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

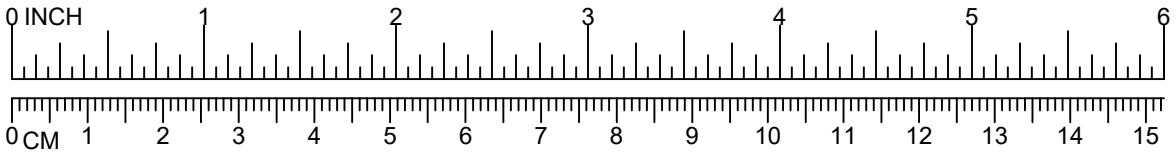
# DETAILS -for-
# 14926-14930

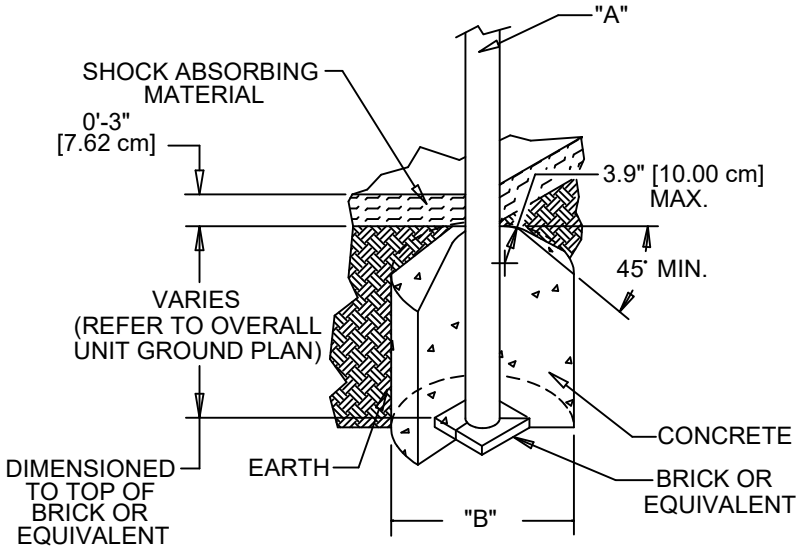
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

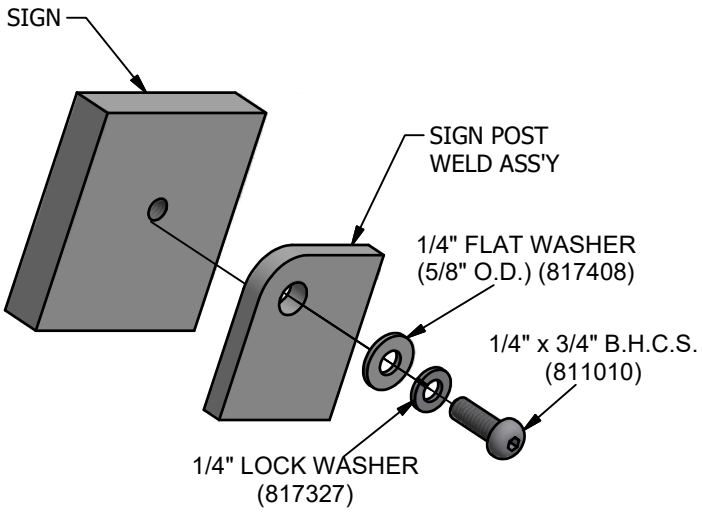


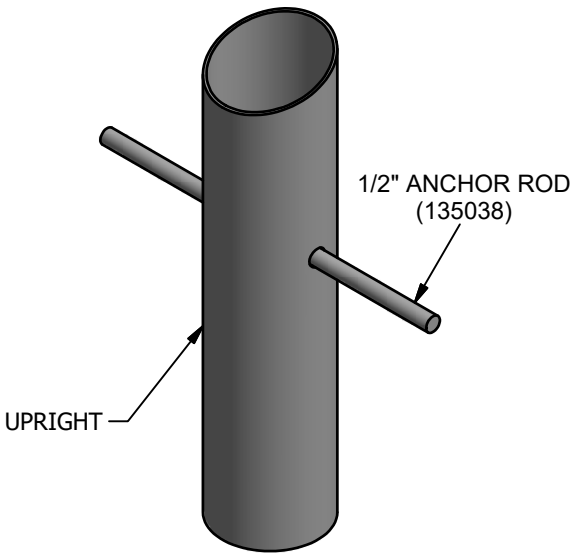

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

298




834




837

NEW! POWERSCAPE® PLUS

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Enriching Childhood Through Play™

**1-800-235-2440**

**ISSUED/REVISED: 08/30/2021**

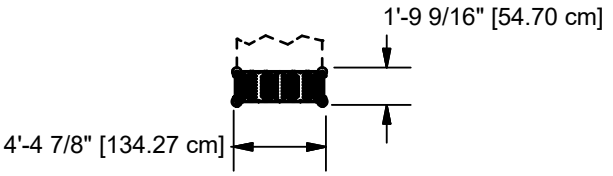
# 16465 ADA SLIDE TRANSFER PLATFORM

⬡ = INSTALLATION DETAIL

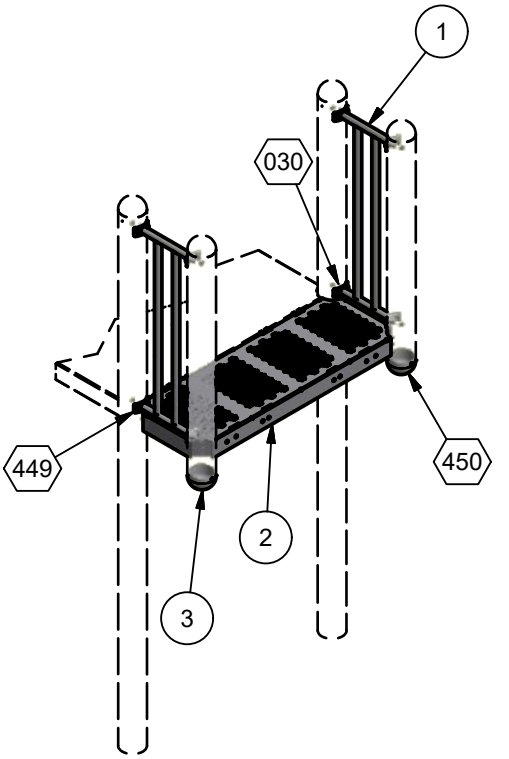
◯ = PARTS LIST REFERENCE

**INSTALLATION INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




TOP VIEW




ASSEMBLY DRAWING

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | HANDRAIL | 2 | 176344 |
| 2 | PLATFORM | 1 | V10054 |
| 3 | ALUMINUM END CAP | 2 | 166376 |
| | *********HARDWARE COMPLETE********** | 1 | 200649 |
| | 3/8" x 1 1/2" P.B.H.C.S. | 8 | 810053 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 16 | 812053 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" LOCK WASHER | 24 | 817334 |
| | SELF SEALING POP-RIVET | 4 | 140068 |
| | 3/8" FLAT WASHER | 16 | 817410 |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

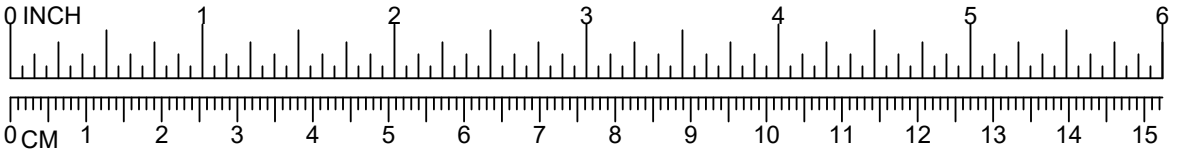
# DETAILS -for-
# 16465

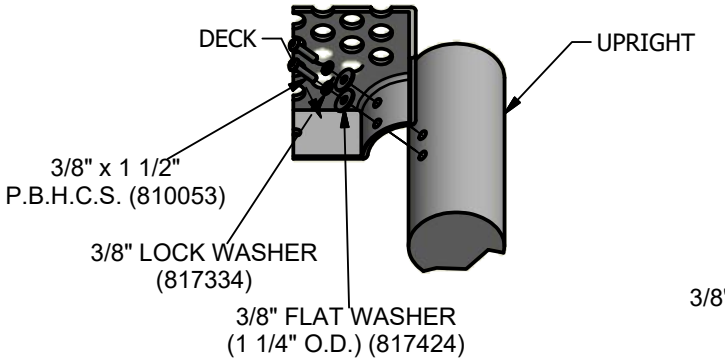
**I**MPORTANT

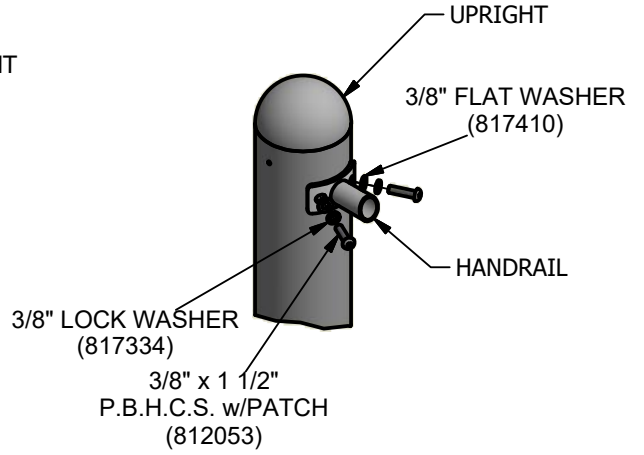
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



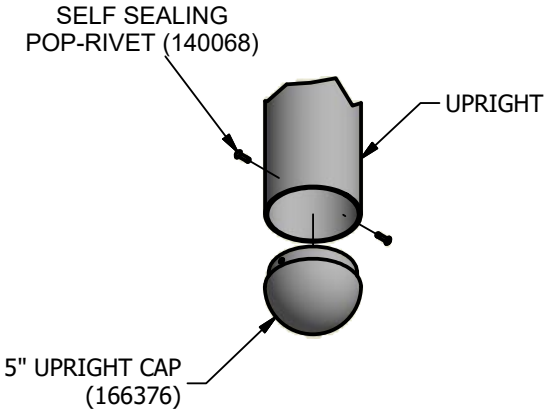




*NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

030

449

*NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.




450

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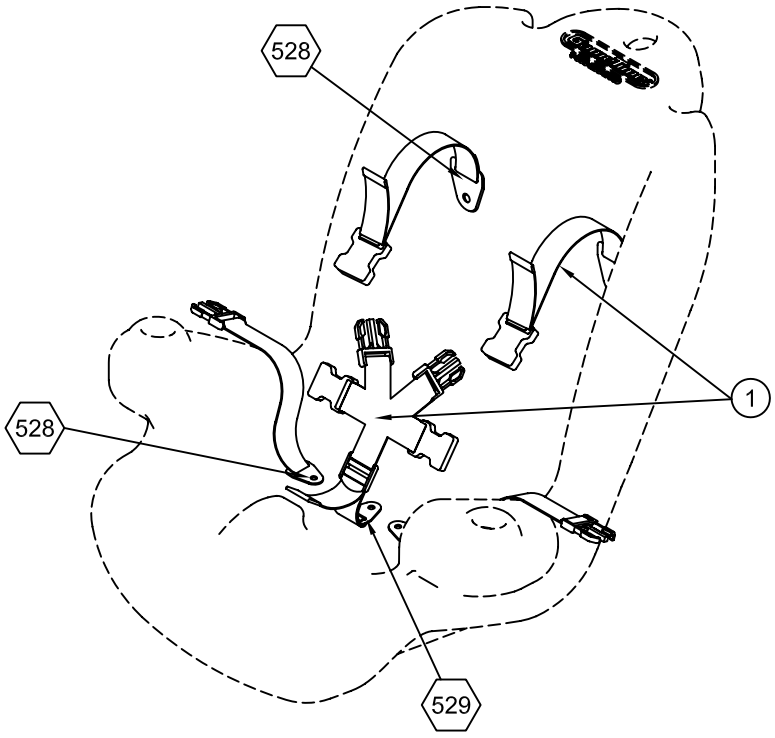
**ISSUED/REVISED: 08/14/12**

# 17247

# ADAPTIVE SWING SAFETY BELT KIT

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE




## *INSTALLATION INSTRUCTIONS*

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

## *PARTS LIST*

| *REF. NO.* | *DESCRIPTION* | *NO. REQ'D* | *PART NUMBER* |
|---|---|---|---|
| 1 | Adaptive Swing Safety Belt | 1 | 167111 |
| | *Hardware Complete* | 1 | 167161 |
| | 1/4" x 1 1/2" B.H.C.S. | 4 | 811014* |
| | 1/4" x 2 3/4" B.H.C.S. | 1 | 811021* |
| | 1/4" Lockwasher | 5 | 817326* |
| | 1/4" Tee-Nut | 5 | 804559* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

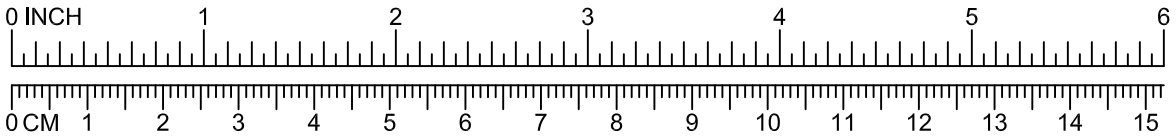
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

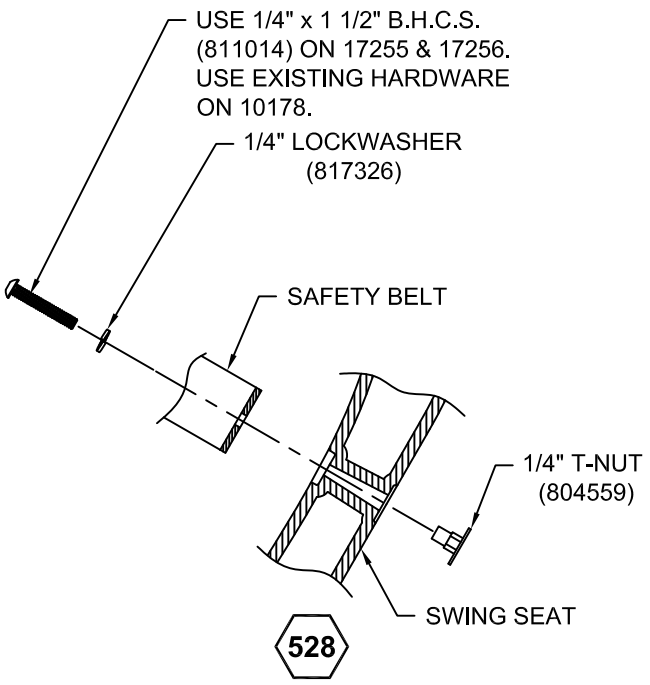
# DETAILS -for-
# 17247

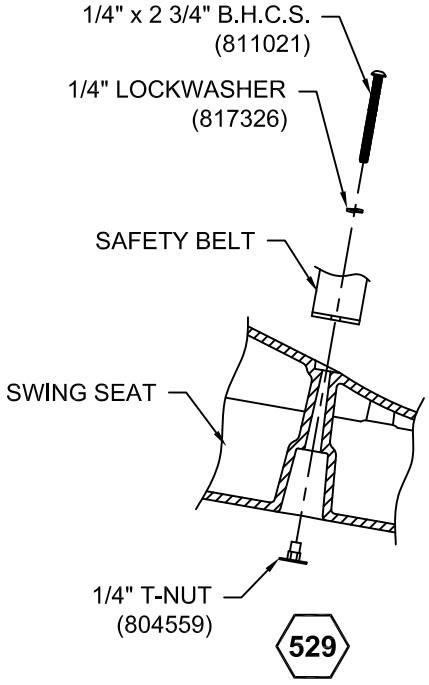
***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



PRIME TIME

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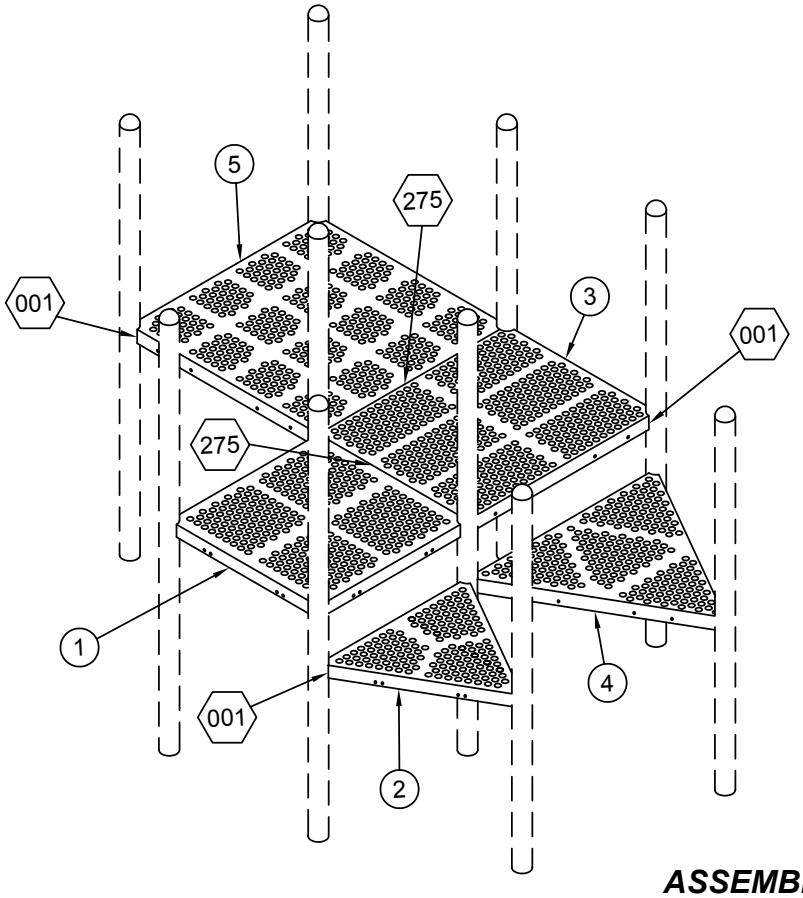
**ISSUED/REVISED: 05/12/05**

# 18200
# DECKS

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

**NOTE: 18200 SQUARE**
**18201 TRIANGULAR**
**18202 RECTANGULAR**
**18203 LARGE TRIANGULAR**
**18250 LARGE SQUARE**

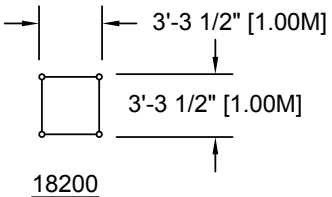



***ASSEMBLY DRAWING***

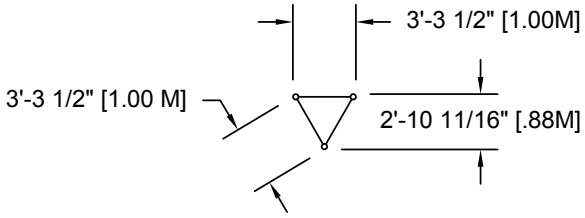
## *INSTALLATION INSTRUCTIONS*

1.) Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2.) Using a 1/2" [1.27 cm] drill bit, remove the vinyl coating from the four corner mounting holes. When decks are to be installed side by side at the same level, remove the coating from the (2) holes in the mating edges; for a rectangular deck, use the (2) holes nearest the middle.
3.) Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
4.) Loctite (supplied by others) should be used on any non-patch hardware.

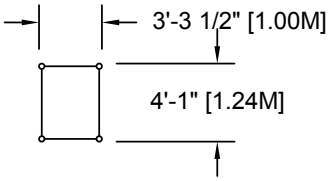
## ***TOP VIEWS***



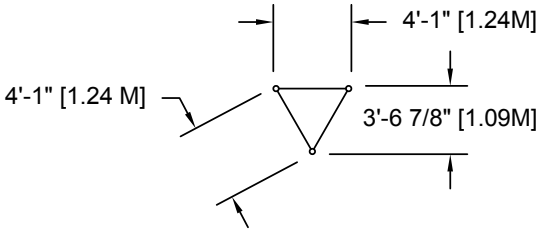

18200



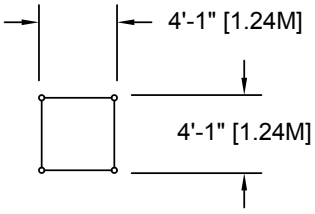

18201




18202




18203

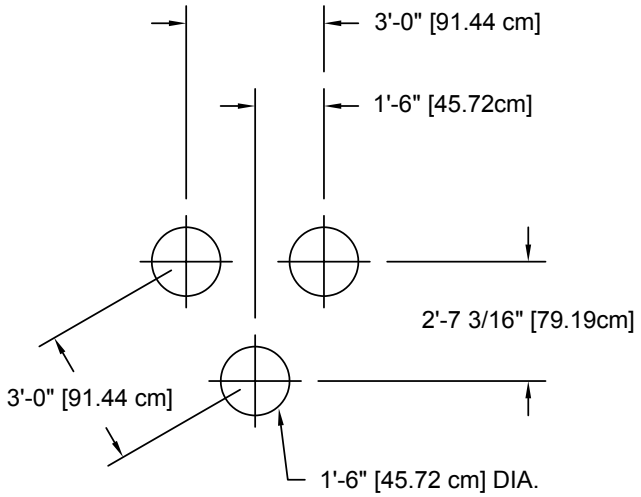



18250

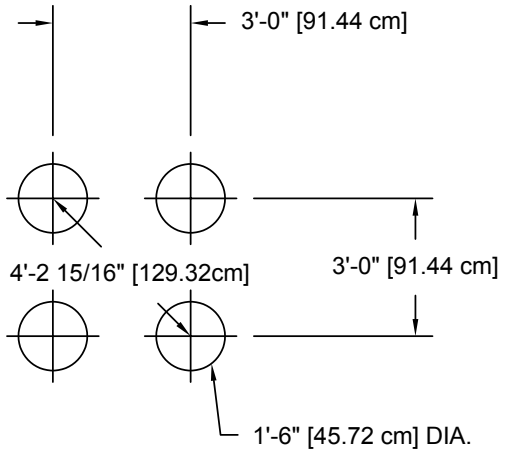
# ***GROUND PLANS***

**NOTE**: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

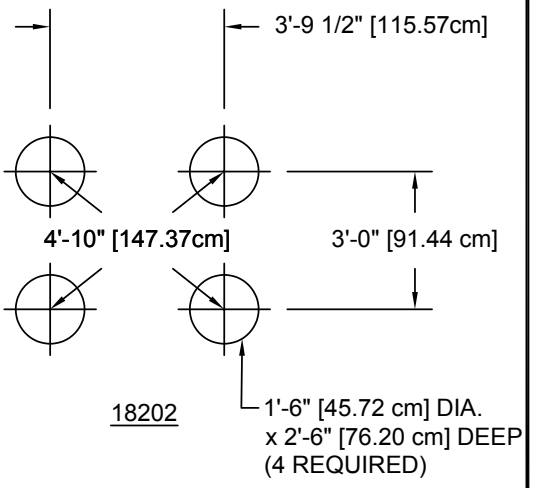
CONCRETE REQUIRED
.10 CUBIC YARDS [.07 CUBIC METERS]
(PER UPRIGHT GROUND HOLE)



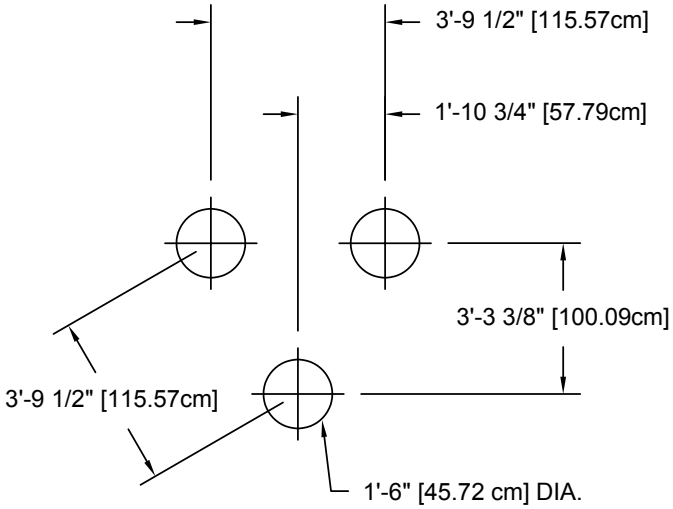

18201



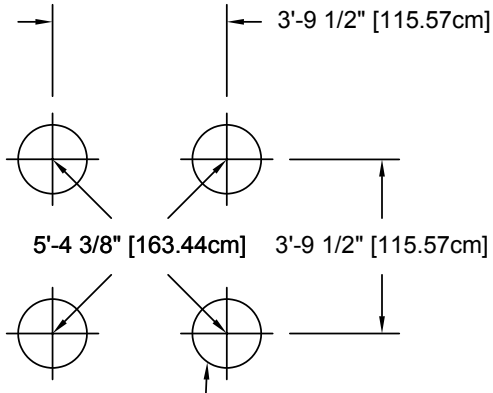

18200




18202




18203




18250

## *PARTS LIST*

| *REF NO.* | *DESCRIPTION* | *NUMBER REQUIRED* | | | | | *PART NUMBER* |
|---|---|---|---|---|---|---|---|
| | | *18200* | *18201* | *18202* | *18203* | *18250* | |
| 1 | Punched Metal Square Deck | 1 | 0 | 0 | 0 | 0 | 159258 |
| 2 | Punched Metal Triangular Deck | 0 | 1 | 0 | 0 | 0 | 159312 |
| 3 | Punched Metal Rectangular Deck | 0 | 0 | 1 | 0 | 0 | 159317 |
| 4 | Punched Metal Large Triangular Deck | 0 | 0 | 0 | 1 | 0 | 159322 |
| 5 | Punched Metal Large Square Deck | 0 | 0 | 0 | 0 | 1 | 160868 |
| | Hardware Complete | 1 | 0 | 1 | 0 | 1 | 161522 |
| | Hardware Complete | 0 | 1 | 0 | 1 | 0 | 161523 |
| | 3/8" x 3/4" B.H.C.S. | 2 | 2 | 2 | 2 | 2 | 811052* |
| | 3/8 x 1 1/4" B.H.C.S. | 4 | 3 | 4 | 3 | 4 | 811051* |
| | 3/8" Lockwasher | 6 | 5 | 6 | 5 | 6 | 817334* |
| | 3/8" Flatwasher | 6 | 5 | 6 | 5 | 6 | 817424* |
| | 3/8" Tee-Nut | 2 | 2 | 2 | 2 | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

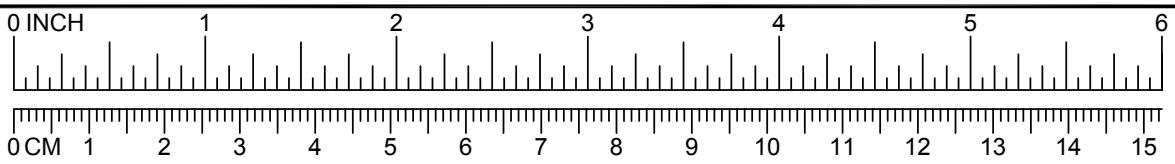
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

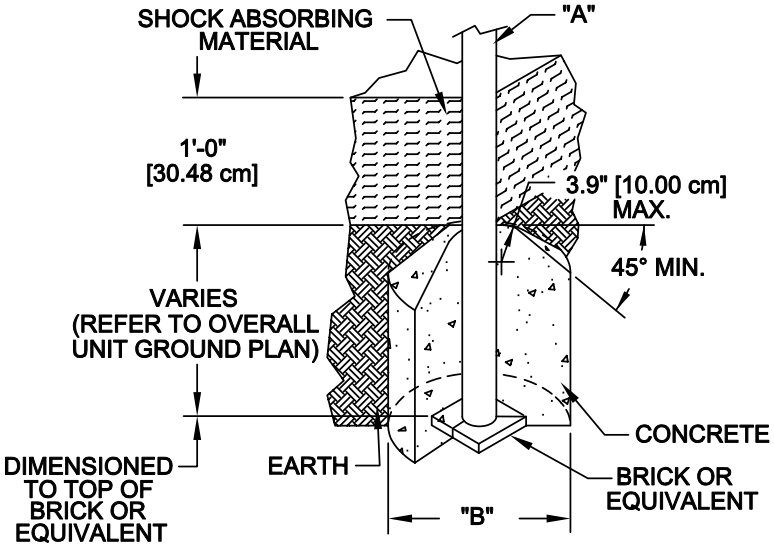
# DETAILS -for-
# 18200, 18201, 18202, 18203 & 18250

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



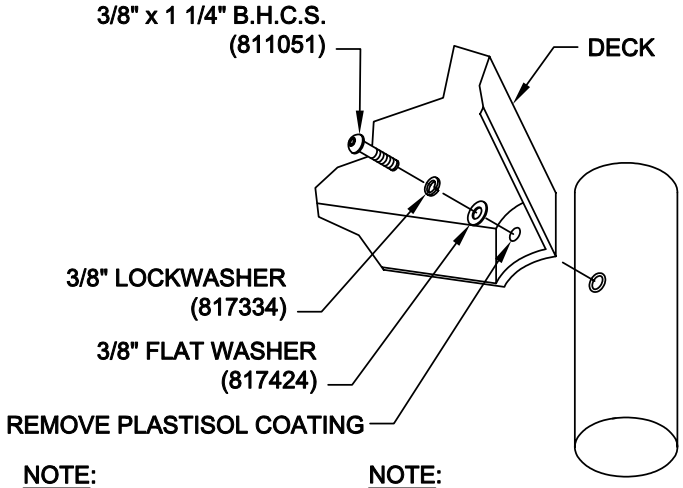




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 3 1/2" [8.89 cm] | 2'-0" [60.96 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

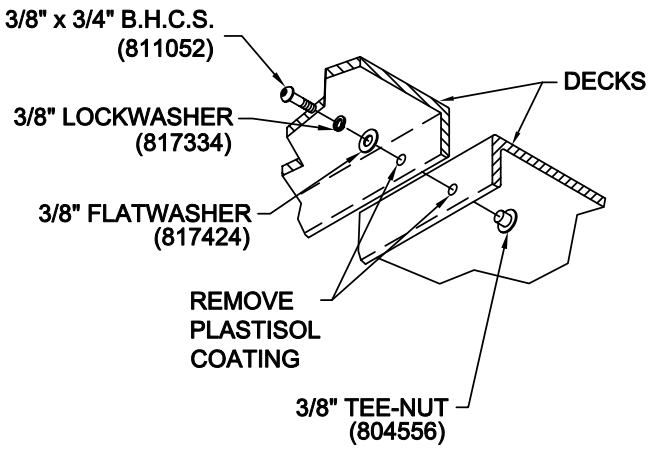
SHOCK ABSOBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




NOTE:
BOLTS SHOULD BE TORQUED TO 20-25 FT. LBS. FOR PROPER INSTALLATION.

NOTE:
AFTER ASSEMBLY IS COMPLETE, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

001




275

PRIME TIME

GameTime
A PLAYCORE Company

1-800-235-2440

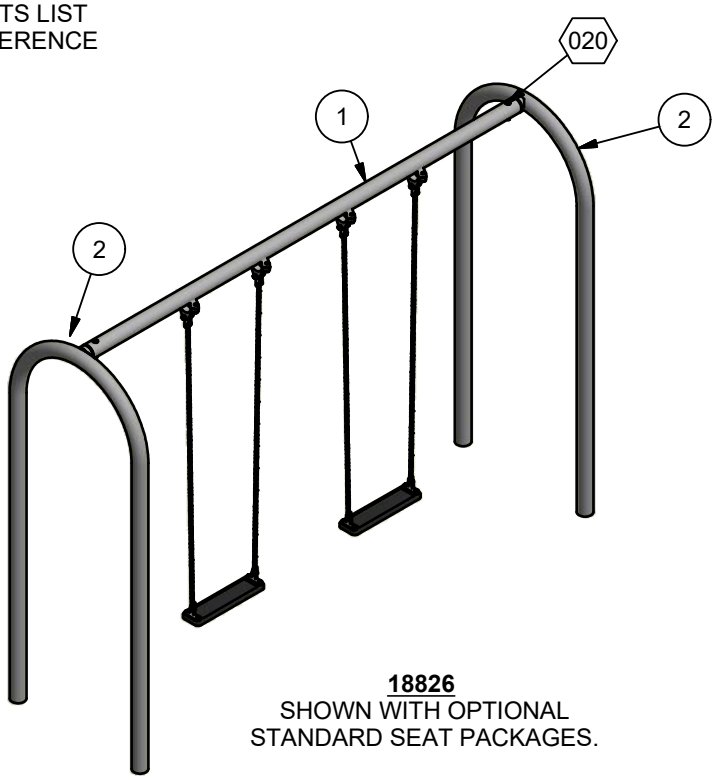
ISSUED/REVISED: 3/28/2022

# 18826 ARCH SWING

= INSTALLATION DETAIL

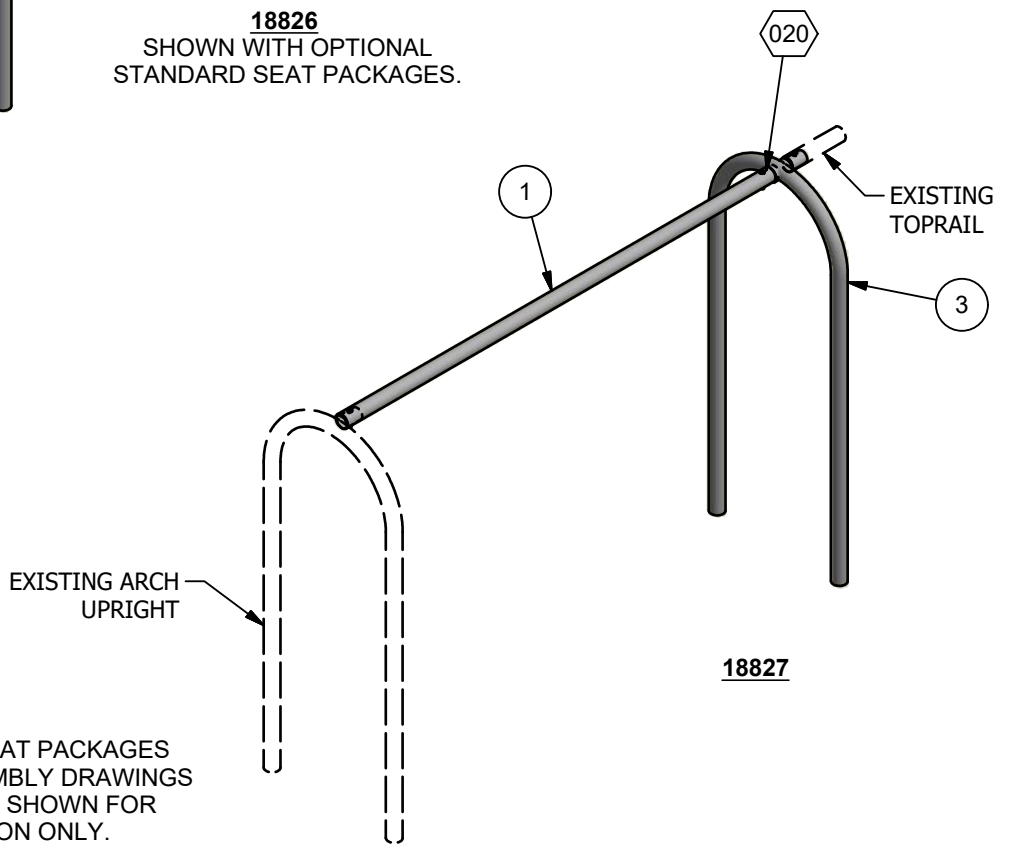
= PARTS LIST REFERENCE

**FREESTANDING 18826**
**ADD-A-BAY 18827**




**18826**
SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

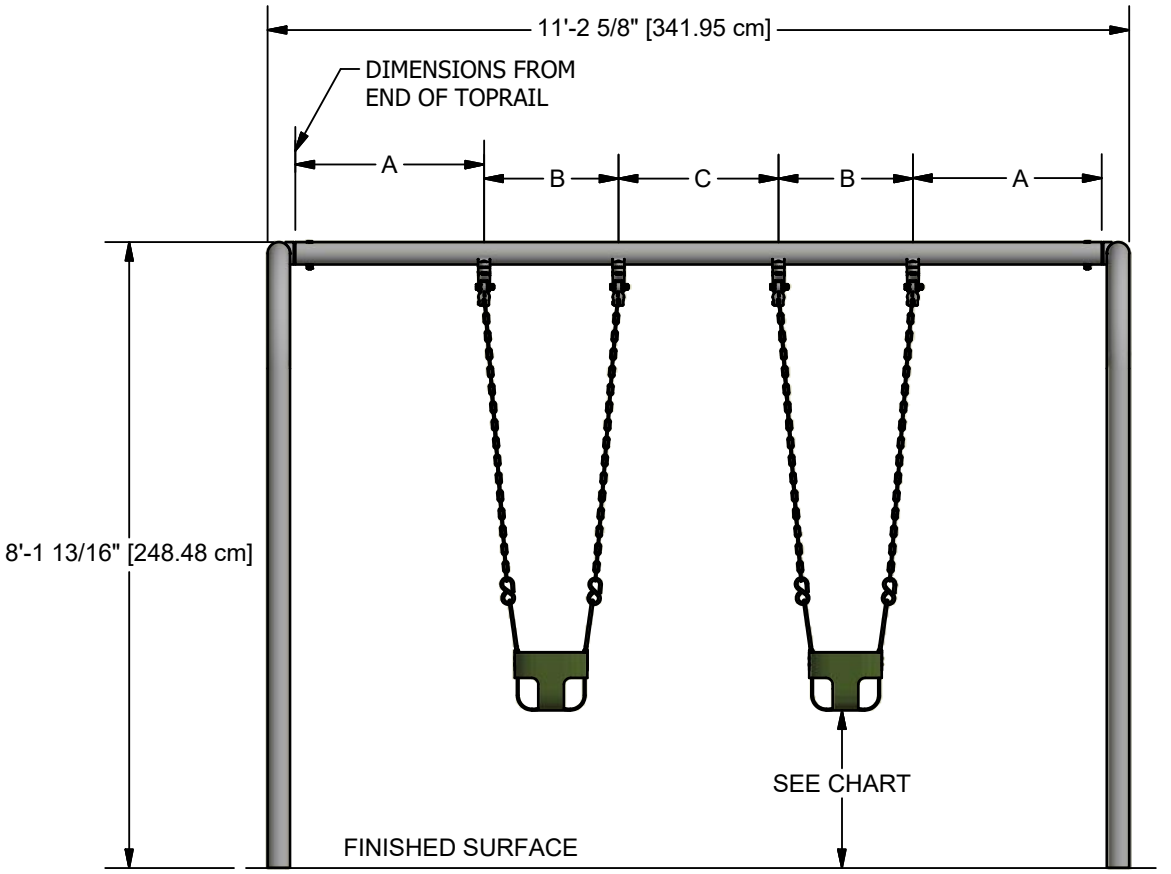
**ASSEMBLY DRAWINGS**




**18827**

NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWINGS NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.

| TOPRAIL DIMENSIONS | |
|---|---|
| DIM A | 2'-5 1/2" [74.93 cm] |
| DIM B | 1'-9" [53.34 cm] |
| DIM C | 2'-1" [63.50 cm] |

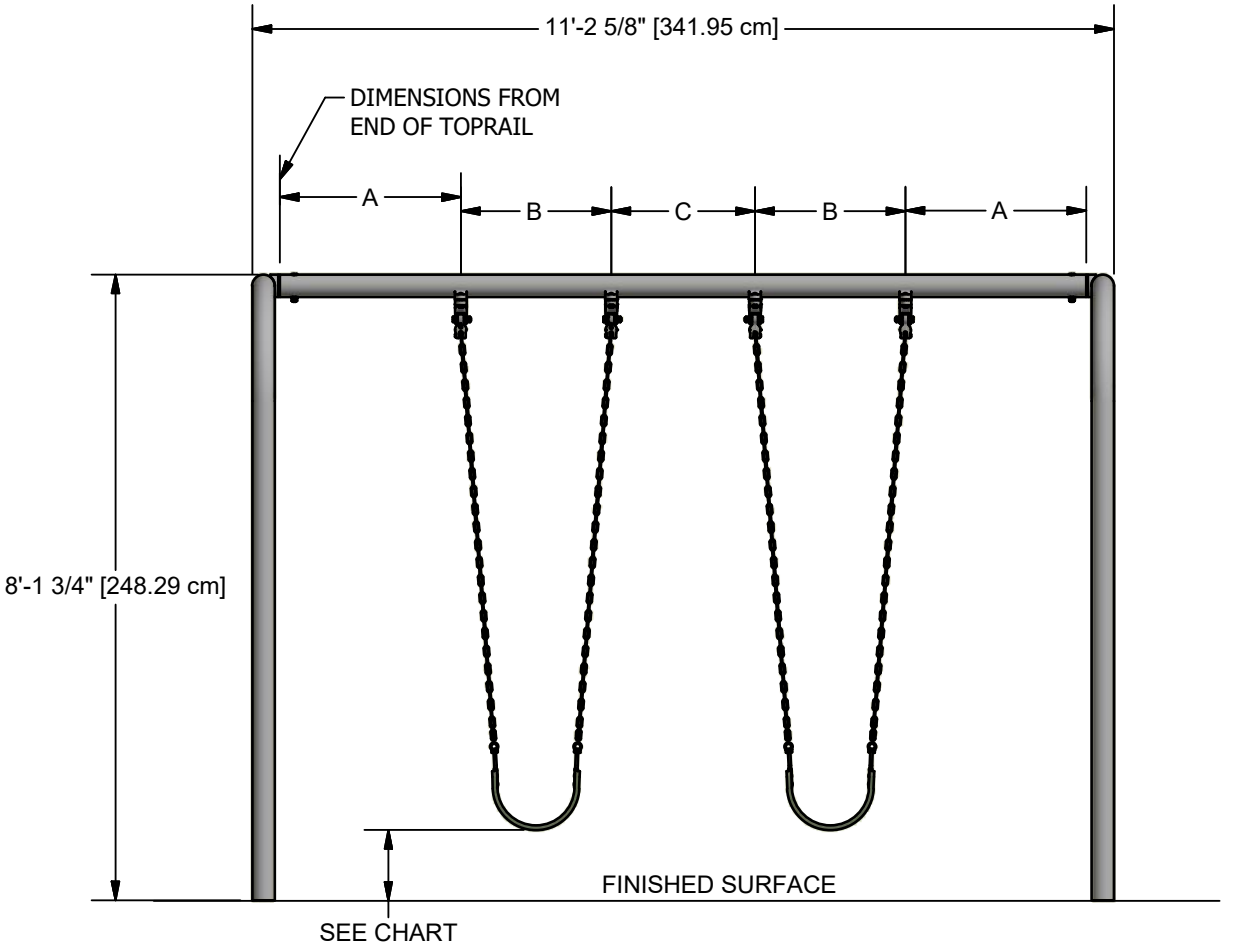



18826 SHOWN (18827 SIMILAR)
WITH OPTIONAL ENCLOSED TOT
SEAT PACKAGES (NOT INCLUDED)

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| **STANDARD** | **MIN.** | **MAX.** |
| CANADIAN | BELT & SUPER SEAT - 300mm [11.81"]<br>ENCLOSED TOT SEAT - 600mm [23.62"] | N/A |
| ASTM | BELT & SUPER SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | BELT & SUPER SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

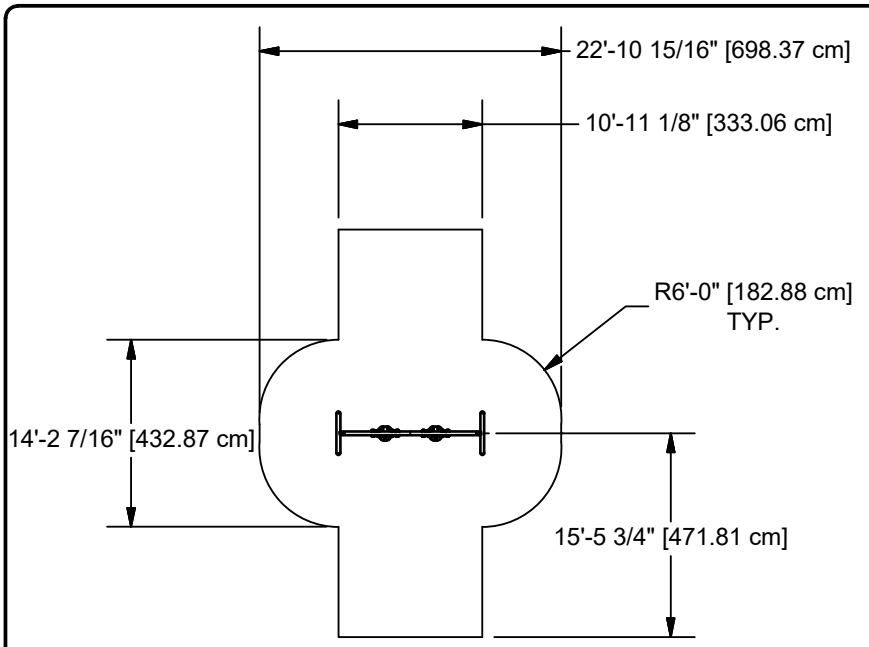
| TOPRAIL DIMENSIONS | |
|---|---|
| DIM A | 2'-4 1/4" [71.80 cm] |
| DIM B | 1'-11 1/2" [59.69 cm] |
| DIM C | 1'-10 7/16" [57.07 cm] |




18826 SHOWN (18827 SIMILAR)
WITH OPTIONAL BELT
SEAT PACKAGES (NOT INCLUDED)

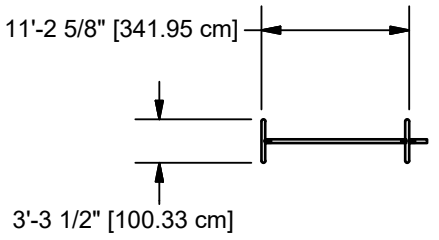
| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| **STANDARD** | **MIN.** | **MAX.** |
| CANADIAN | BELT & SUPER SEAT - 300mm [11.81"]<br>ENCLOSED TOT SEAT - 600mm [23.62"] | N/A |
| ASTM | BELT & SUPER SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | BELT & SUPER SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |

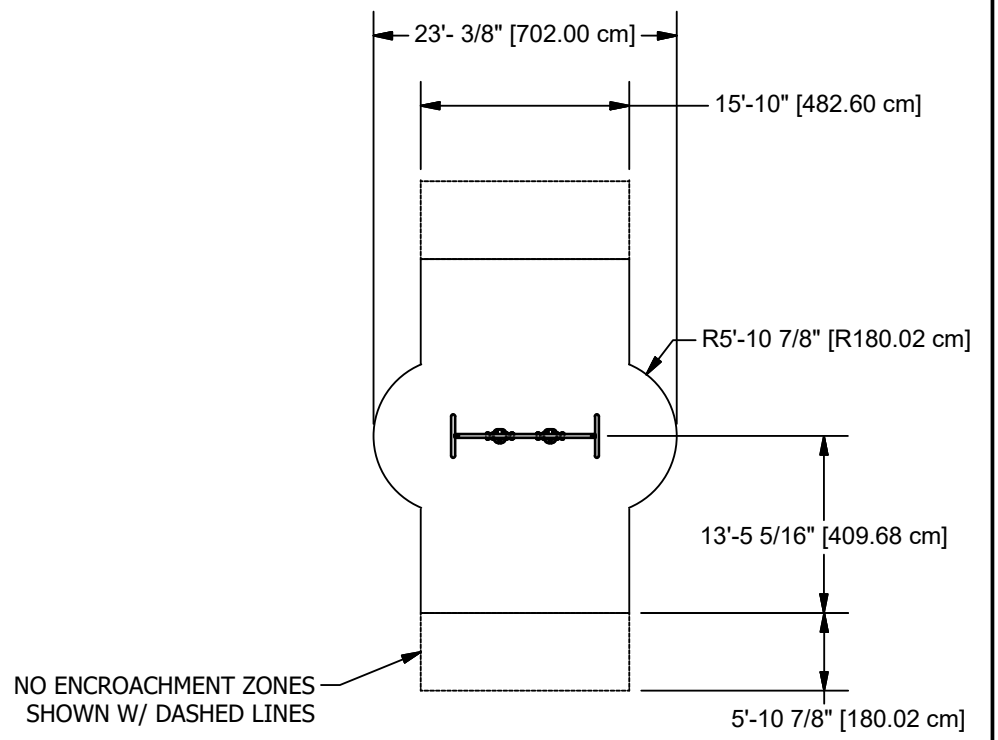
MEASURED WHEN OCCUPIED BY MAXIMUM USERS




**TOP VIEWS**

**18826**




**18826 (CSA ONLY)**

NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT* ZONE (CANADA ONLY).
4. *EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ZONE SURFACING, AND *NO ENCROACHMENT* ZONE DIMENSIONS BY 10'-11 1/8" [3.33M].

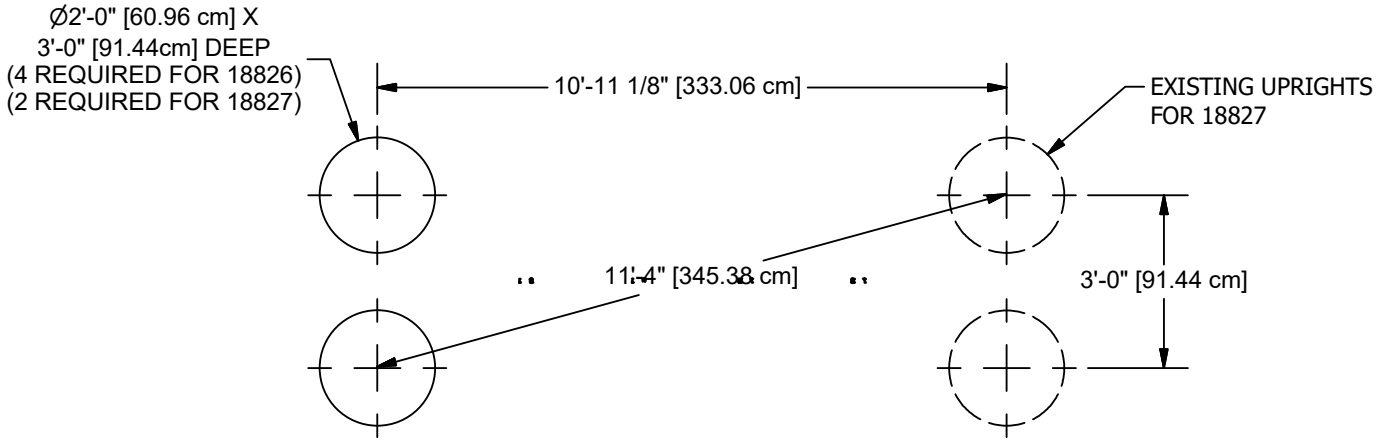
# SPECIFICATIONS

***TOPRAIL AND ARCH:*** Shall be fabricated of 3-1/2" O.D. (11 Gauge) galvanized steel tubing. Arch includes a welded 3-1/8" O.D. galvanized steel sleeve to which the toprail is fastened.

***FINISH:*** Shall be an electrostatically applied custom formula of TGIC polyester powder with baked finish. Specify color desired.

***HARDWARE:*** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***SPECIFICATIONS:*** GAMETIME® has a policy of continuous improvement and reserves the right to change specifications without notice.




**GROUND PLAN**

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED: 18826
.92 CUBIC YARDS
[.70 CUBIC METERS]

CONCRETE REQUIRED - 18827
.46 Cubic Yards
[.35 CUBIC mETERS]

# INSTALLATION INSTRUCTIONS

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***NOTE:*** It is important to check the hole location in the upright and on the drawings while assembling this unit.

***STEP 1:*** Dig holes according to the Ground Plan (see Detail 005 also). Place a brick or equivalent at the bottom of the hole to provide a solid foundation. Allow for this in hole depth (see Detail 005).

***STEP 2:*** Insert toprail onto socket on the arch and secure with 1/2" x 4" hex head bolt, 1/2" flatwasher, 1/2" lockwasher and 1/2" hex nut (see Detail 020).

***STEP 3:*** Set frame in holes, making sure that legs rest on foundation bricks. Check to ensure swing is level.

***STEP 4:*** Fill holes with concrete per Detail 005. Plumb and brace assembly. Allow a minimum of 48 hours for concrete to harden before continuing.

***NOTE:*** Loctite (supplied by others) should be used on all threaded hardware.

***STEP 5:*** Place swing hangers on toprail using Assembly Drawing for spacing. Hang seats per Installation Sheet for swing seats.

***STEP 6:*** After assembly is complete, place manufacturer's I.D. label in a visible location.

| Parts List | | | | |
|---|---|---|---|---|
| ITEM | DESCRIPTION | 18826 | 18827 | PART NUMBER |
| 1 | 3 1/2" O.D. TOPRAIL | 1 | 1 | 208806 |
| 2 | ARCH END UPRIGHT ASS'Y | 2 | 0 | 152803 |
| 3 | MULTI-BAY ARCH UPRIGHT ASS'Y | 0 | 1 | 152805 |
| | HARDWARE COMPLETE | 1 | 1 | 152821 |
| | 1/2" x 4" HEX HEAD BOLT | 2 | 2 | 801215* |
| | 1/2" FLAT WASHER | 2 | 2 | 817412* |
| | 1/2" LOCKWASHER | 2 | 2 | 817342* |
| | 1/2" HEX NUT | 2 | 2 | 804055* |
| | MANUFACTURER I.D. LABEL | 1 | 1 | 159151* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS




- ☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- ☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- ☐ Equipment should be placed to eliminate conflicting traffic patterns.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- ☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- ☐ Check for and repair damage caused by wear or vandalism, a major factor in injury causing situations.
- ☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- ☐ Never add components not intended for use with this product.
- ☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- ☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.
- ☐ Assemble all slides on level ground to insure proper run-off of slide bedway. The run-off portion of bedway should slope downward no more than 4 degrees.
- ☐ Examine bedway, bedrails, handrails for foreign objects, holes and rough edges.
- ☐ Because metal slides left in the sun can cause burns, they should be placed in shaded areas whenever possible. Placing metal slides in a shaded location will also prevent them from reflecting the glare of the sun and interfering with children's vision.
- ☐ A soft, resilient surface should be placed under all slides, extending at least six feet in all directions surrounding the slides. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

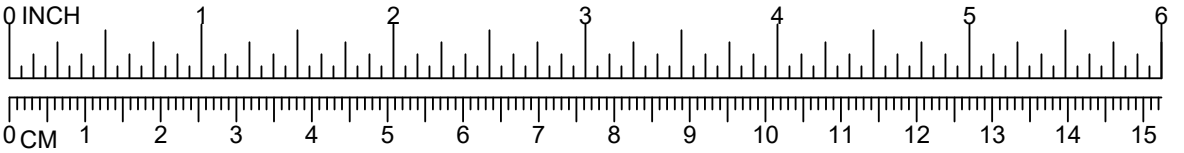
# DETAILS -for-
# 18826 & 18827

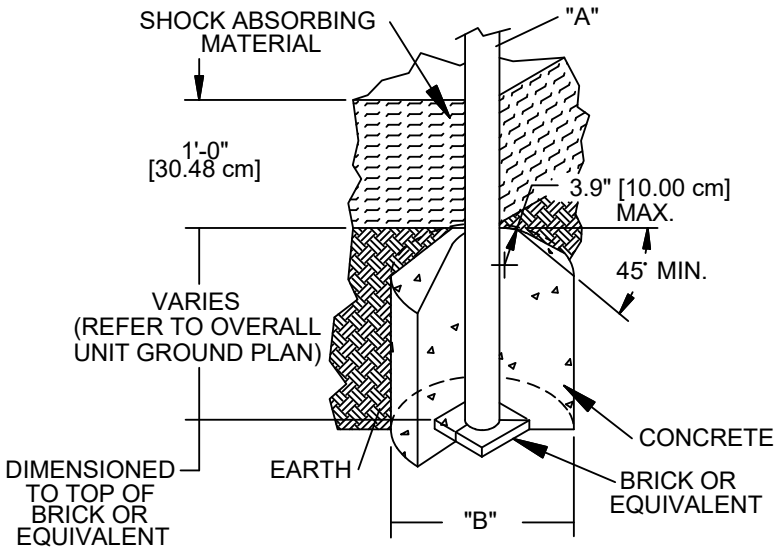
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



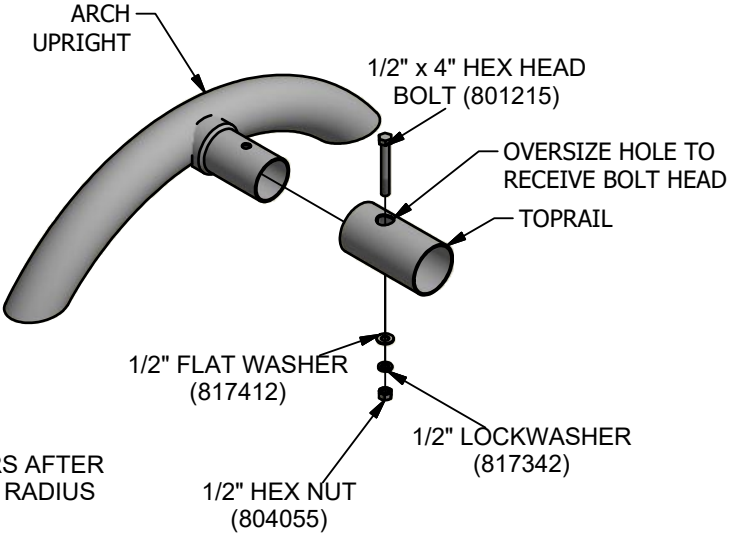




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




NOTE: PEEN FLATWASHERS AFTER INSTALLATION TO MATCH RADIUS OF TOPRAIL.

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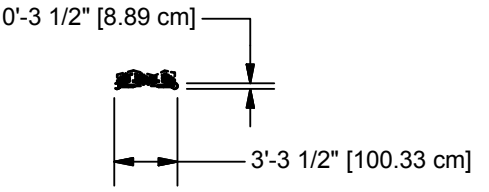
1-800-235-2440

**ISSUED/REVISED: 12/4/16**

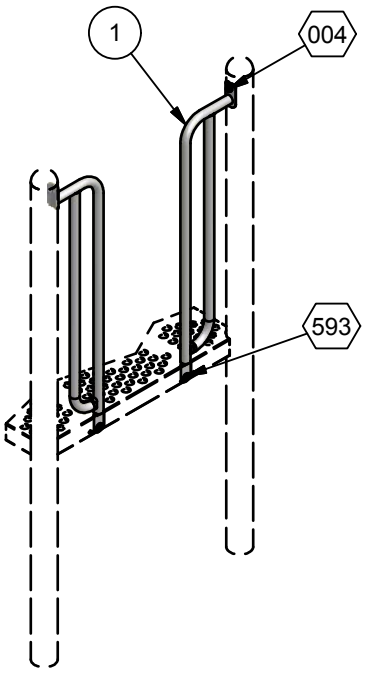
# 19001
# ENTRY WAY

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE




***TOP VIEW***




***ASSEMBLY VIEW***

**INSTALLATION INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | D-RING WELD ASS'Y | 2 | 202623 |
| | ***HARDWARE COMPLETE*** | 1 | 202959 |
| | 3/8" x 3/4" B.H.C.S. | 2 | 811052* |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 811051* |
| | 3/8" LOCKWASHER | 4 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" T-NUT | 2 | 804556* |
| | 3/8" FLAT WASHER | 2 | 817410 |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

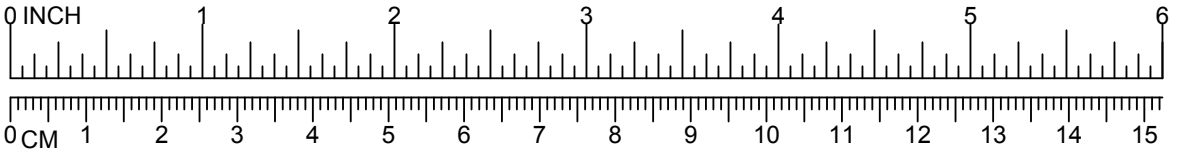
# DETAILS -for-
# 19001

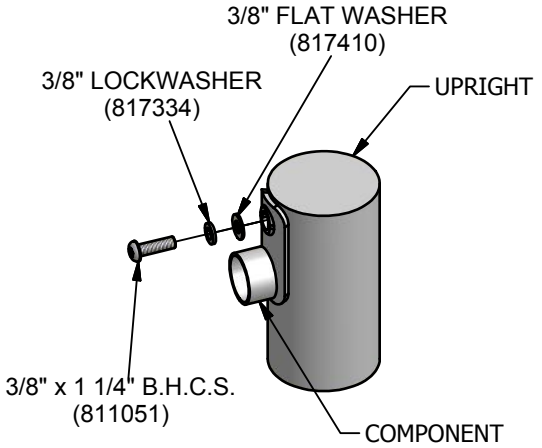
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

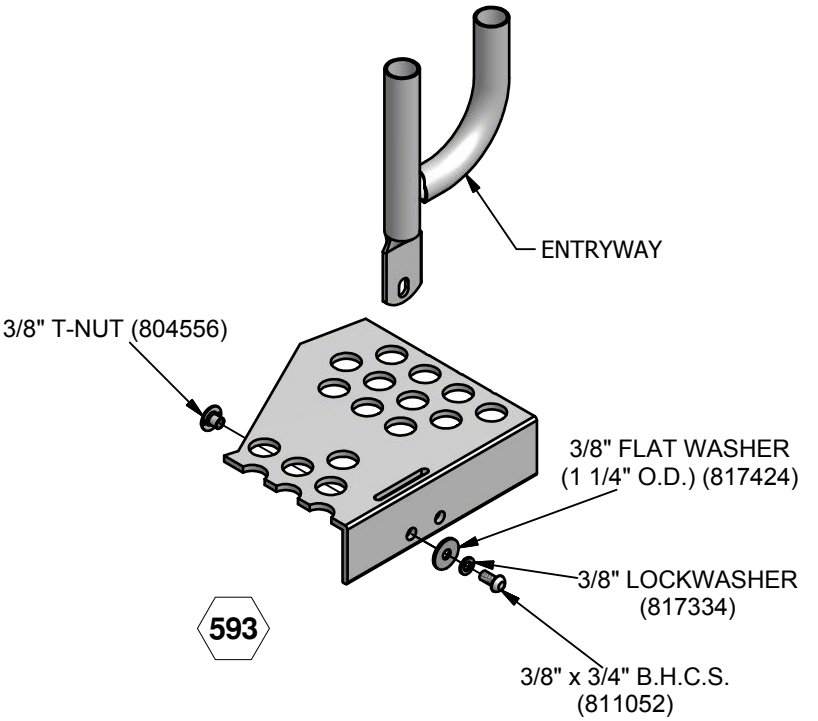
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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1-800-235-2440

ISSUED/REVISED: 8/16/23

# 19004

# TRANSFER SYSTEM WITH BARRIER

| | |
|---|---|
| 1' RISE | 19004 |
| 2' RISE | 19005 |
| 2'-6" RISE | 19006 |
| 3' RISE | 19007 |
| 4' RISE | 19008 |

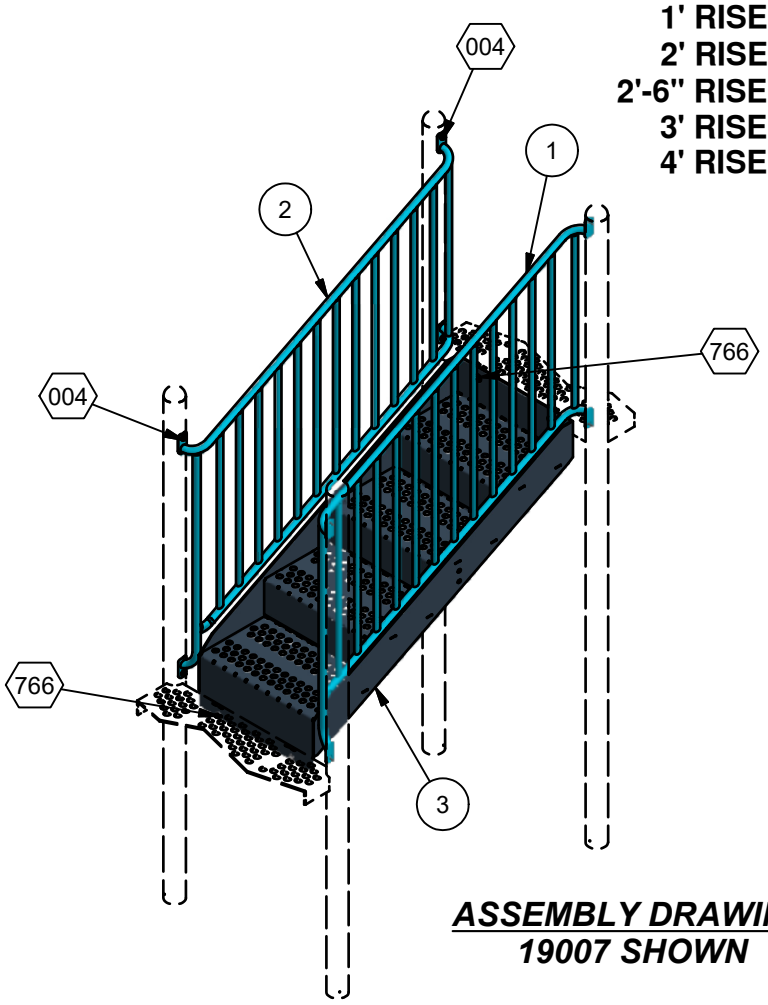
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

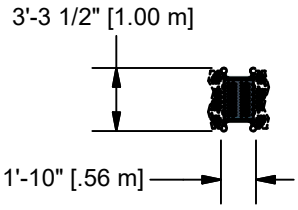



## INSTALLATION INSTRUCTIONS

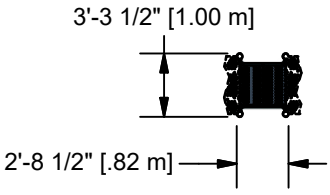
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Remove coating from mounting holes on ramp section(s) and deck.
3. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
4. Loctite (supplied by others) should be used on all threaded hardware.



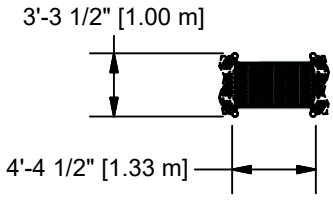

***ASSEMBLY DRAWING***
***19007 SHOWN***



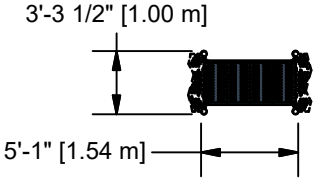

**19004**



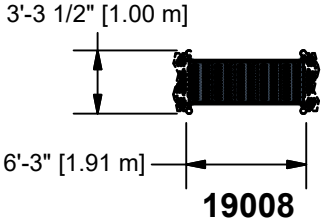

**19005**




**19006**

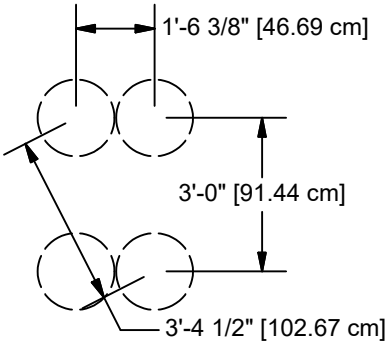



**19007**

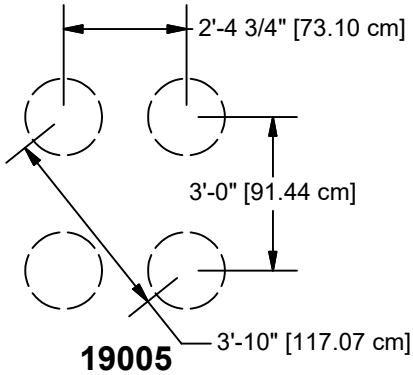



**19008**

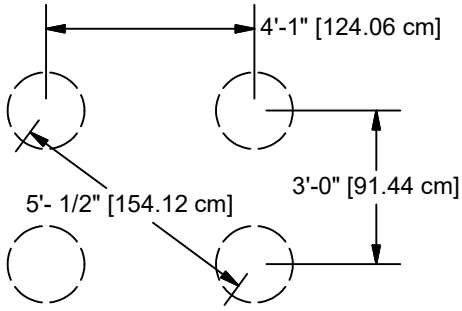
***TOP VIEWS***



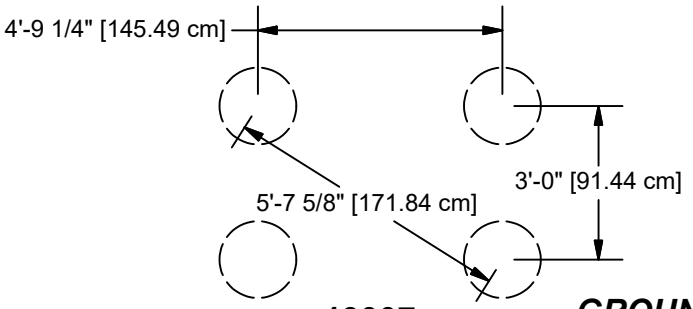

**19004**



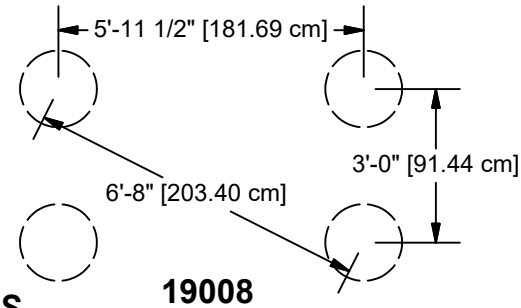

**19005**




**19006**




**19007**




**19008**

## ***GROUND PLANS***

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19004 | 19005 | 19006 | 19007 | 19008 | PART NUMBER |
| 1 | RIGHT BARRIER WELD ASSEMBLY | 1 | 0 | 0 | 0 | 0 | 202760 |
| 1 | RIGHT BARRIER WELD ASSEMBLY | 0 | 1 | 0 | 0 | 0 | 202753 |
| 1 | RIGHT BARRIER WELD ASSEMBLY | 0 | 0 | 1 | 0 | 0 | 202745 |
| 1 | RIGHT BARRIER WELD ASSEMBLY | 0 | 0 | 0 | 1 | 0 | 202736 |
| 1 | RIGHT BARRIER WELD ASSEMBLY | 0 | 0 | 0 | 0 | 1 | 202716 |
| 2 | LEFT BARRIER WELD ASSEMBLY | 1 | 0 | 0 | 0 | 0 | 202766 |
| 2 | LEFT BARRIER WELD ASSEMBLY | 0 | 1 | 0 | 0 | 0 | 202757 |
| 2 | LEFT BARRIER WELD ASSEMBLY | 0 | 0 | 1 | 0 | 0 | 202750 |
| 2 | LEFT BARRIER WELD ASSEMBLY | 0 | 0 | 0 | 1 | 0 | 202741 |
| 2 | LEFT BARRIER WELD ASSEMBLY | 0 | 0 | 0 | 0 | 1 | 202728 |
| 3 | 1' COATED STEPLINK | 1 | 0 | 0 | 0 | 0 | 161235 |
| 3 | 2' STEP ASSEMBLY | 0 | 1 | 0 | 0 | 0 | 160670 |
| 3 | 2'-6" STEP ASSEMBLY | 0 | 0 | 1 | 0 | 0 | 167494 |
| 3 | 3' STEP ASSEMBLY | 0 | 0 | 0 | 1 | 0 | 161371 |
| 3 | 4' STEP ASSEMBLY | 0 | 0 | 0 | 0 | 1 | 160667 |
| | HARDWARE COMPLETE | 1 | 1 | 1 | 1 | 1 | 223306 |
| | 3/8" LOCK WASHER | 8 | 8 | 8 | 8 | 8 | 817334* |
| | 3/8" x 1 1/4" B.H.C.S. | 8 | 8 | 8 | 8 | 8 | 811051* |
| | 3/8" FLAT WASHER | 8 | 8 | 8 | 8 | 8 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 8 | 8 | 8 | 8 | 817424* |
| | 3/8" x 1" B.H.C.S. | 4 | 4 | 4 | 4 | 4 | 811050* |
| | 3/8" LOCK NUT | 4 | 4 | 4 | 4 | 4 | 804353* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

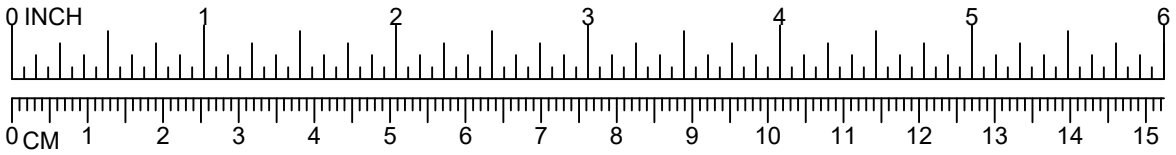
# DETAILS -for-
# 19004, 19005, 19006, 19007 & 19008

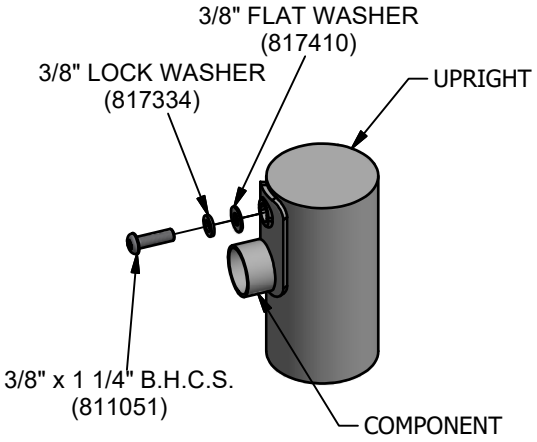
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

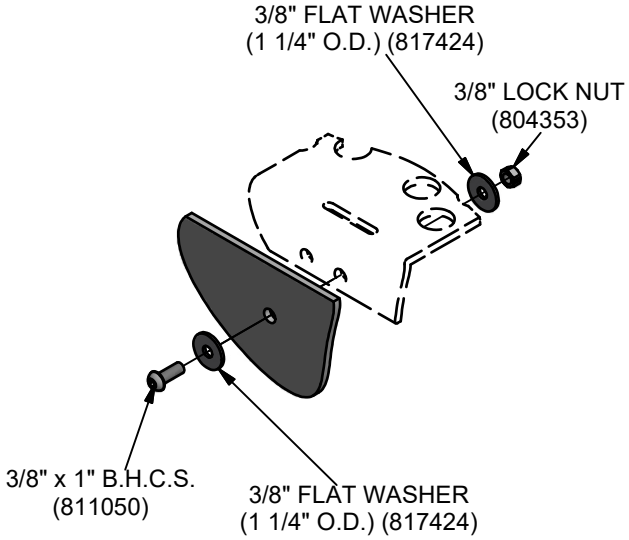
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




004




766

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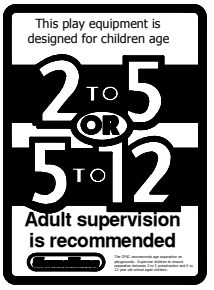
**ISSUED/REVISED: 12/13/16**

# 19047 TREE CLIMBER

| | |
|---|---|
| 3', 3'-6" | 19047 |
| 4', 4'-6" | 19048 |
| 5', 5'-6" | 19049 |
| 6', 6'-6" | 19050 |
| 7', 7'-6" | 19051 |
| 8' | 19052 |

⬡ = INSTALLATION DETAIL

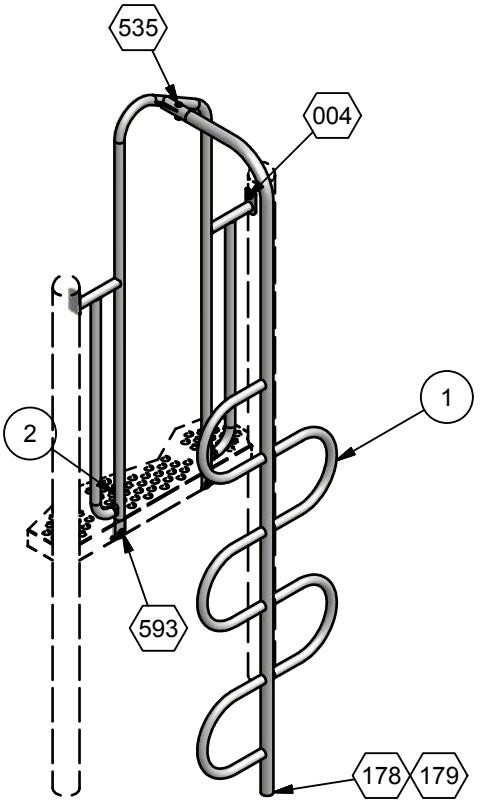
◯ = PARTS LIST REFERENCE




19048
19049 5'-0"




19047
19049 5'-6"
19050
19051
19052




NOTE: 3'-6",4'-6", 5'-6", 6'-6", 7'-6", AND 8' DECKS ONLY.

## *INSTALLATION INSTRUCTIONS*

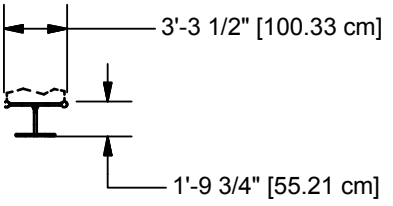
1.) BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED ***INSTALLER INSTRUCTIONS*** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.

2.) ASSEMBLE PARTS AS SHOWN IN THE ***ASSEMBLY DRAWING***. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.

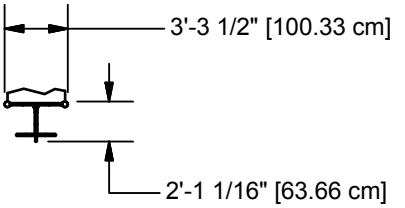
3.) LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ANY NON-PATCH HARDWARE.

## *ASSEMBLY DRAWING*

19047 SHOWN
OTHERS SIMILAR




19047

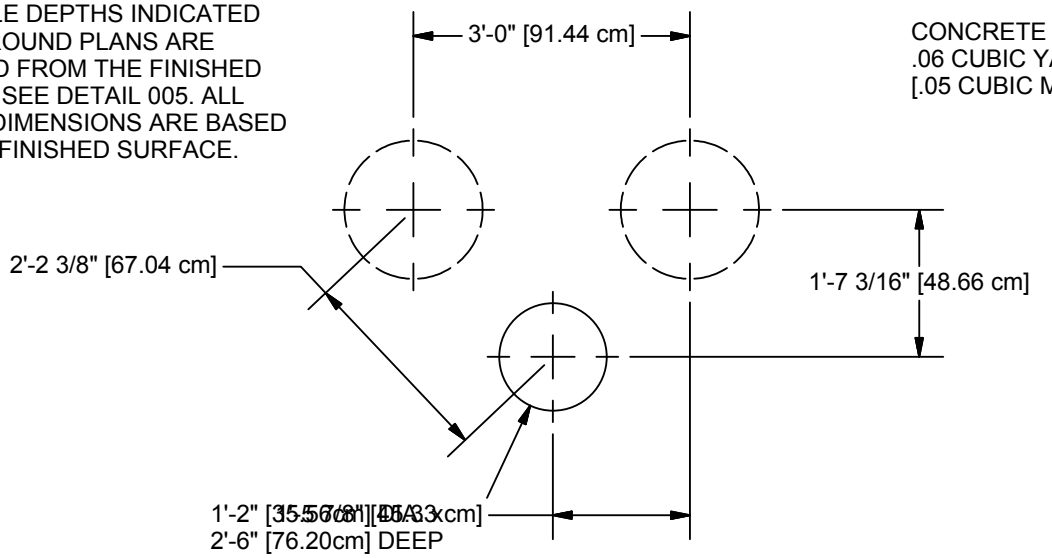



19048, 19049, 19050,
19051, & 19052

## *TOP VIEWS*

**NOTE**: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]




## ***GROUND PLAN***

| Parts List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19047 | 19048 | 19049 | 19050 | 19051 | 19052 | PART NUMBER |
| 1 | TREE CLIMBER ASS'Y | 1 | 0 | 0 | 0 | 0 | 0 | 179041 |
| 1 | TREE CLIMBER ASS'Y | 0 | 1 | 0 | 0 | 0 | 0 | 179043 |
| 1 | TREE CLIMBER ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 179045 |
| 1 | TREE CLIMBER ASS'Y | 0 | 0 | 0 | 1 | 0 | 0 | 179047 |
| 1 | TREE CLIMBER ASS'Y | 0 | 0 | 0 | 0 | 1 | 0 | 179049 |
| 1 | TREE CLIMBER ASS'Y | 0 | 0 | 0 | 0 | 0 | 1 | 179051 |
| 2 | ARCHWAY WELD ASS'Y | 1 | 1 | 1 | 1 | 1 | 1 | 202627 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 1 | 0 | 203228 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 1 | 203230 |
| | 3/8" x 3/4" B.H.C.S. | 2 | 2 | 2 | 2 | 2 | 2 | 811052* |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 2 | 2 | 2 | 2 | 2 | 811051* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 1 | 1 | 1 | 1 | 1 | 1 | 812053* |
| | 3/8" x 1-3/4" B.H.C.S. | 1 | 1 | 1 | 1 | 1 | 1 | 811054* |
| | 3/8" FLAT WASHER | 3 | 3 | 3 | 3 | 3 | 3 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 2 | 2 | 2 | 2 | 817424* |
| | 3/8" LOCKWASHER | 5 | 5 | 5 | 5 | 5 | 5 | 817334* |
| | 3/8" BARREL NUT | 1 | 1 | 1 | 1 | 1 | 1 | 804804* |
| | 3/8" T-NUT | 3 | 3 | 3 | 3 | 3 | 3 | 804556* |
| | EXTENSION LEG | 1 | 1 | 1 | 1 | 1 | 0 | 152110* |
| | EXTENSION LEG | 0 | 0 | 0 | 0 | 0 | 1 | 176430* |

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** Included in Hardware*

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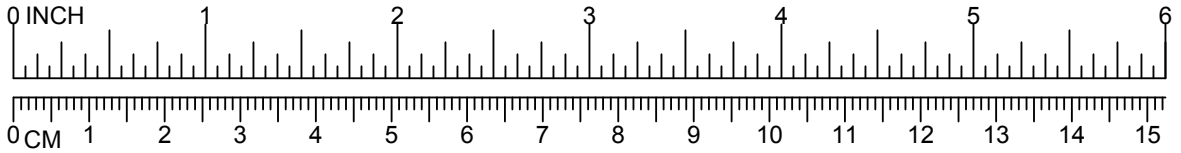
# DETAILS -for-
# 19047 - 19052

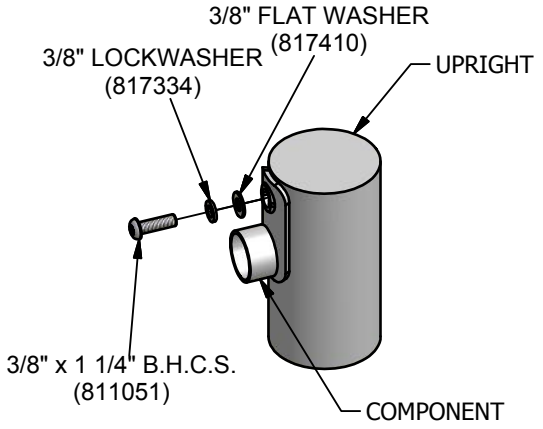
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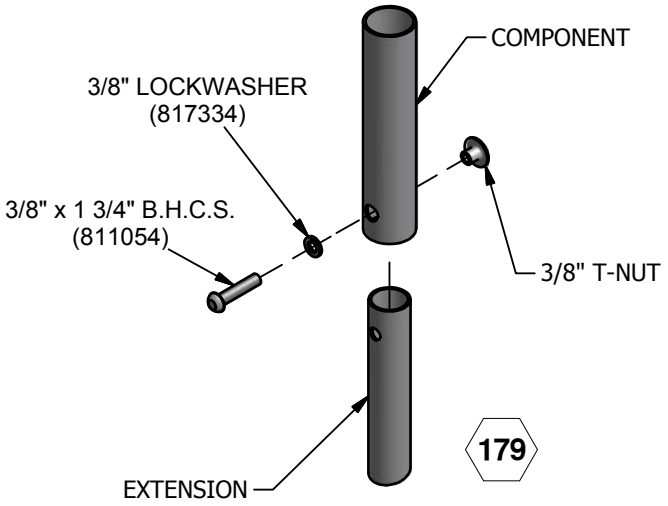
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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

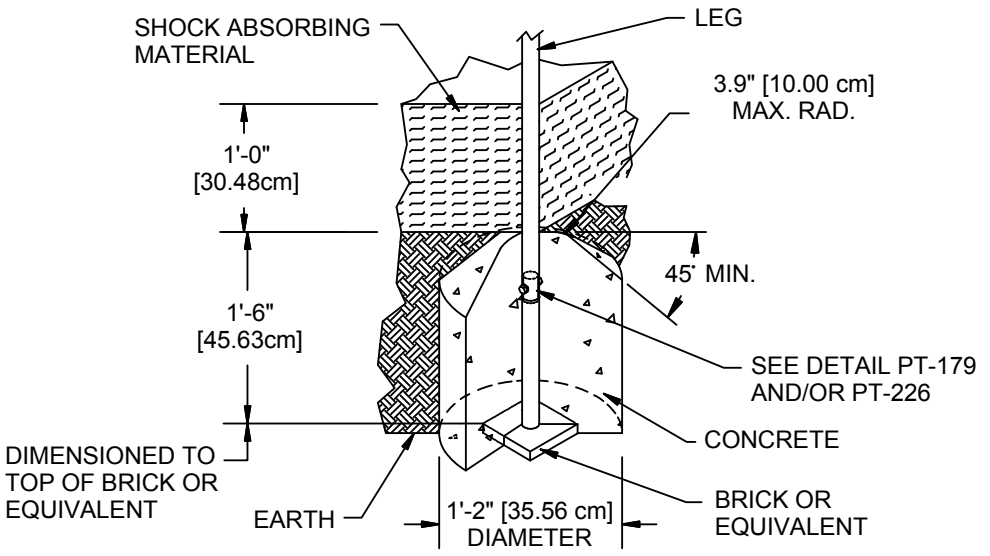



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NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

178

SHOCK ABSOBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

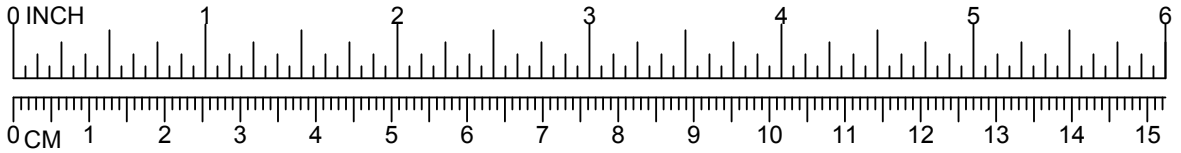
# DETAILS -for-
# 19047 - 19052

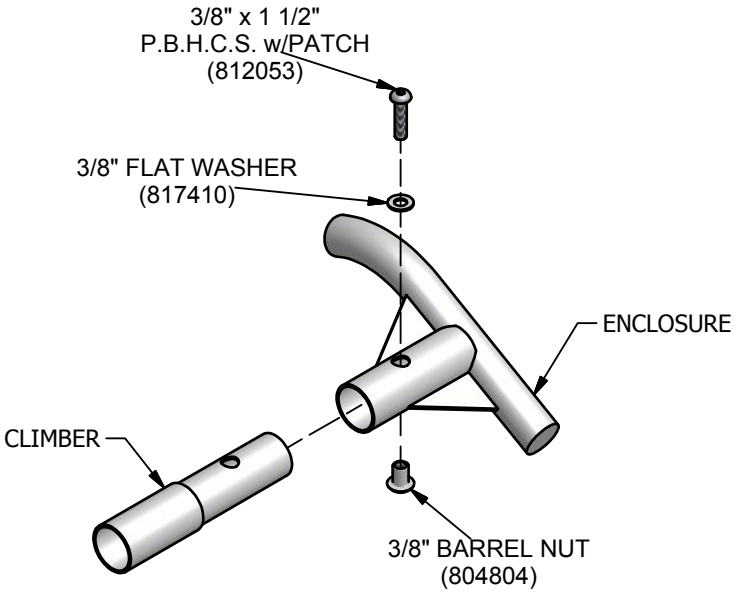
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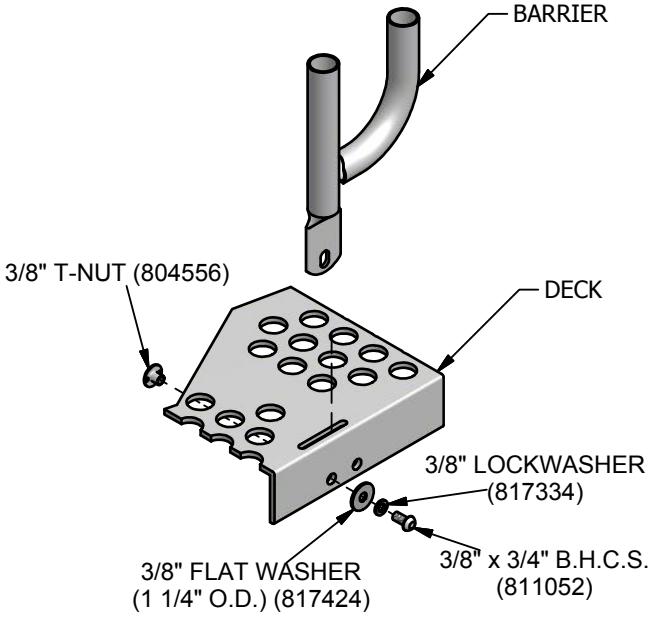
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535




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**ISSUED/REVISED: 12/15/16**

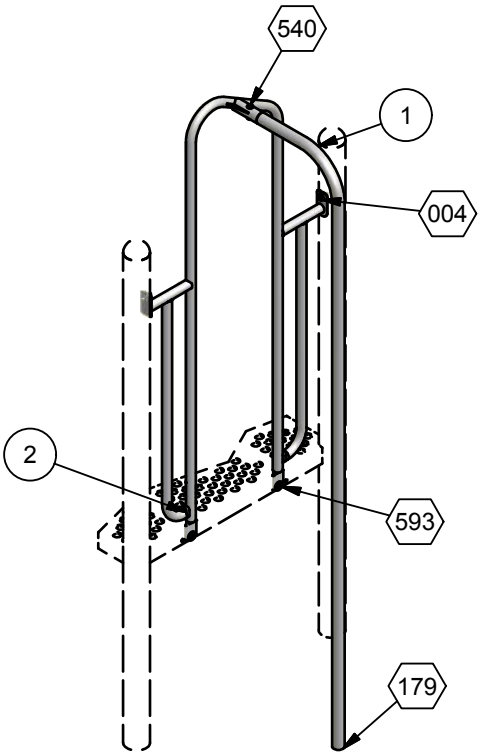
# 19130 CLIMBING POLE

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

| | |
|---|---|
| 2' & 2'-6" | 19130 |
| 3' & 3'-6" | 19131 |
| 4' & 4'-6" | 19132 |
| 5' & 5'-6" | 19133 |
| 6' | 19134 |



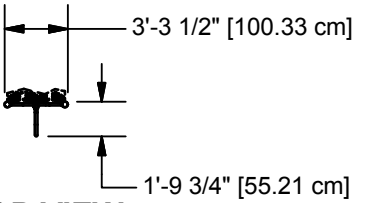

***ASSEMBLY DRAWING***

## *INSTALLATION INSTRUCTIONS*

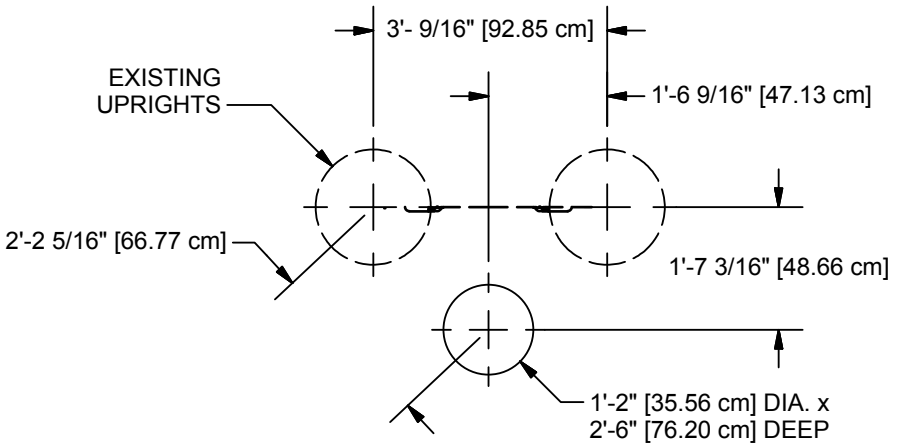
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3.) LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.




***TOP VIEW***




***GROUND PLAN***

**NOTE**: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19130 | 19131 | 19132 | 19133 | 19134 | PART NUMBER |
| 1 | CLIMBING POLE | 1 | 0 | 0 | 0 | 0 | 179053 |
| 1 | CLIMBING POLE | 0 | 1 | 0 | 0 | 0 | 203251 |
| 1 | CLIMBING POLE | 0 | 0 | 1 | 0 | 0 | 179057 |
| 1 | CLIMBING POLE | 0 | 0 | 0 | 1 | 0 | 203253 |
| 1 | CLIMBING POLE | 0 | 0 | 0 | 0 | 1 | 179059 |
| 2 | ARCHWAY WELD ASS'Y | 1 | 1 | 1 | 1 | 1 | 202627 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 0 | 203207 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 203208 |
| | 3/8" x 3/4" B.H.C.S. | 2 | 2 | 2 | 2 | 2 | 811052* |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 2 | 2 | 2 | 2 | 811051* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 1 | 1 | 1 | 1 | 1 | 812053* |
| | 3/8" x 1 3/4" B.H.C.S. | 1 | 1 | 1 | 1 | 0 | 811054* |
| | 3/8" FLAT WASHER | 3 | 3 | 3 | 3 | 3 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 2 | 2 | 2 | 817424* |
| | 3/8" LOCKWASHER | 5 | 5 | 5 | 5 | 4 | 817334* |
| | 3/8" BARREL NUT | 1 | 1 | 1 | 1 | 1 | 804804* |
| | 3/8" T-NUT | 3 | 3 | 3 | 3 | 2 | 804556* |
| | EXTENSION LEG | 1 | 1 | 1 | 1 | 0 | 152110* |

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** Included in Hardware*

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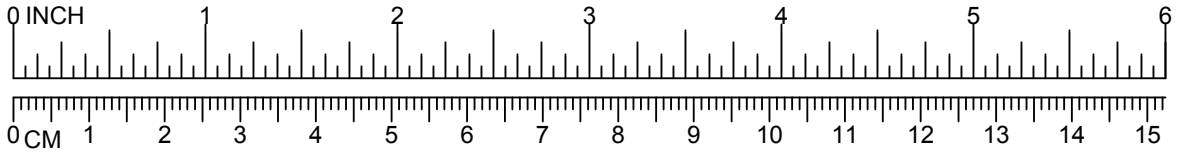
# DETAILS -for-
# 19130-19133

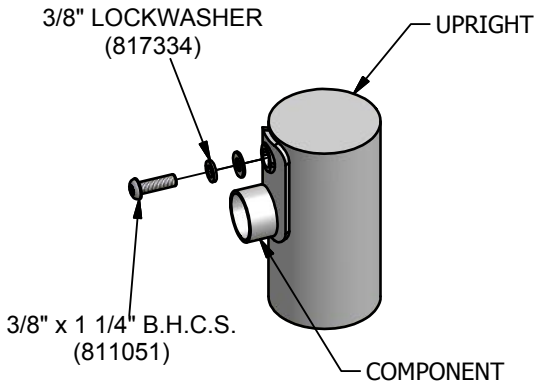
**I**MPORTANT

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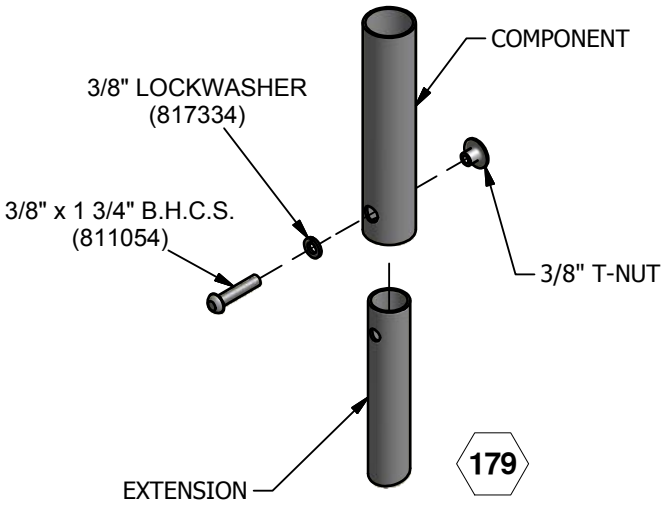
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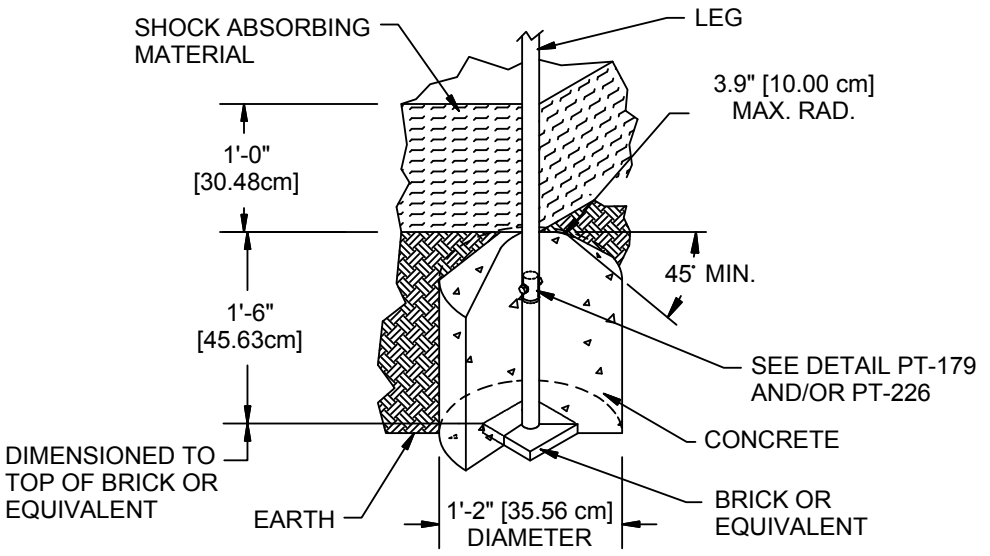



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178

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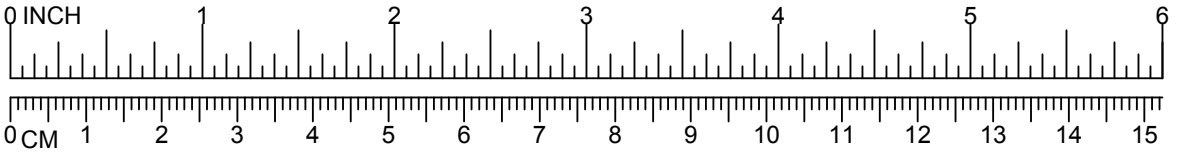
# DETAILS -for- 19130-19133

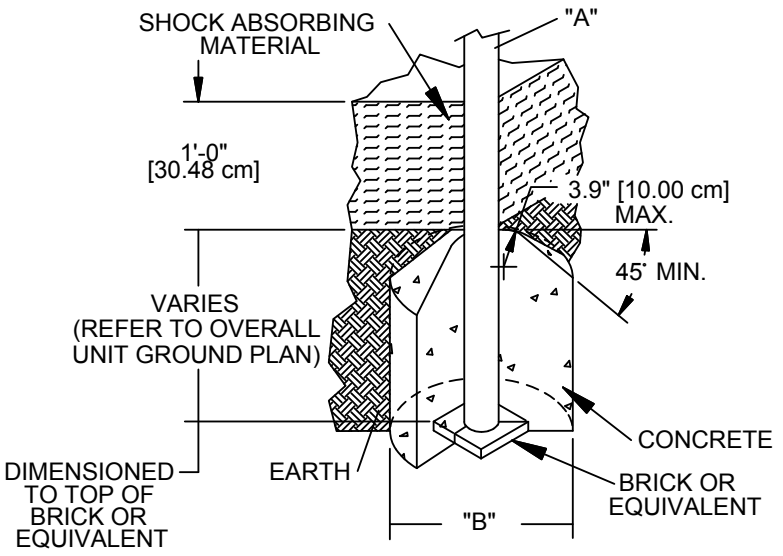
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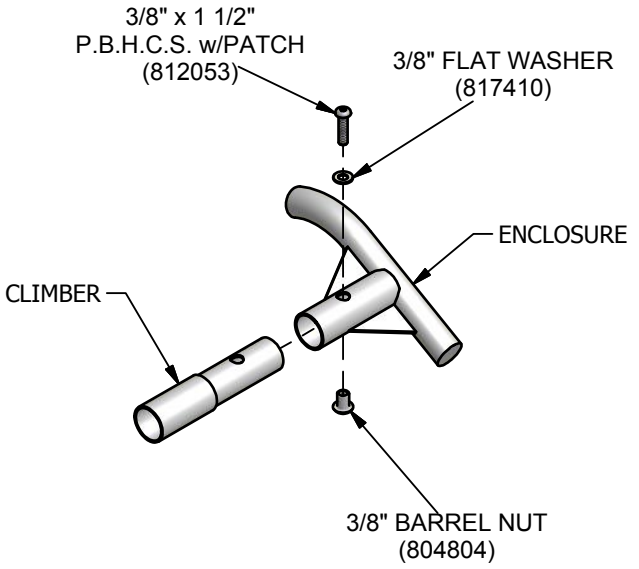




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |

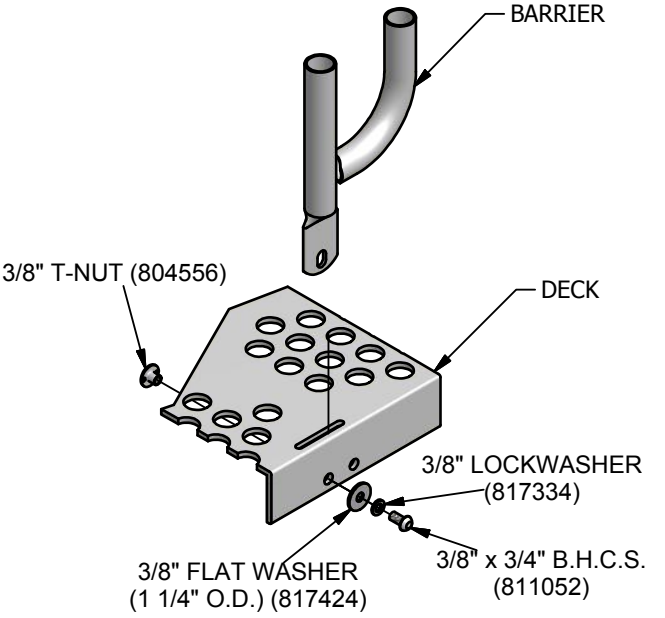
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




540




593

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ISSUED/REVISED: 5/2/19

# 19147
# TOAD STOOL CLIMBER

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

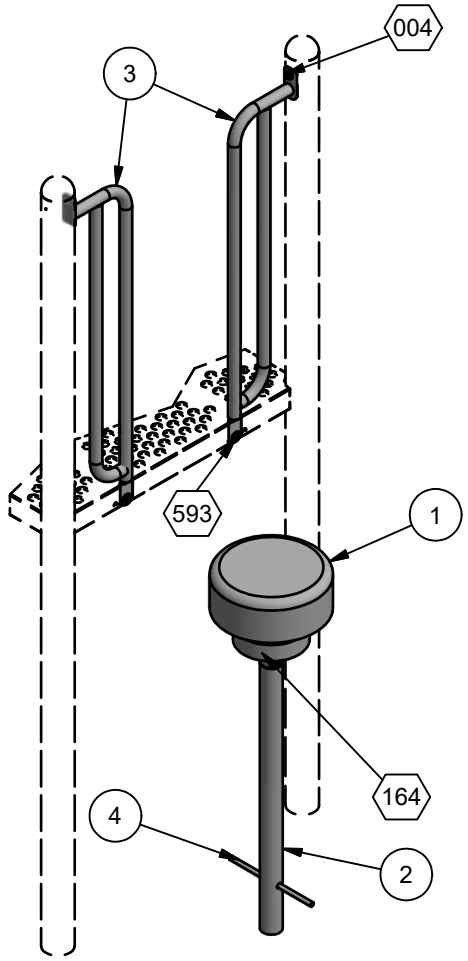



## *INSTALLATION INSTRUCTIONS*

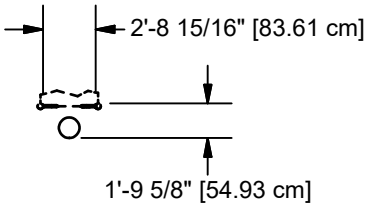
1.) BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED ***INSTALLER INSTRUCTIONS*** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.

2.) ASSEMBLE PARTS AS SHOWN IN THE ***ASSEMBLY DRAWING***. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.

3.) LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ANY NON-PATCH HARDWARE.



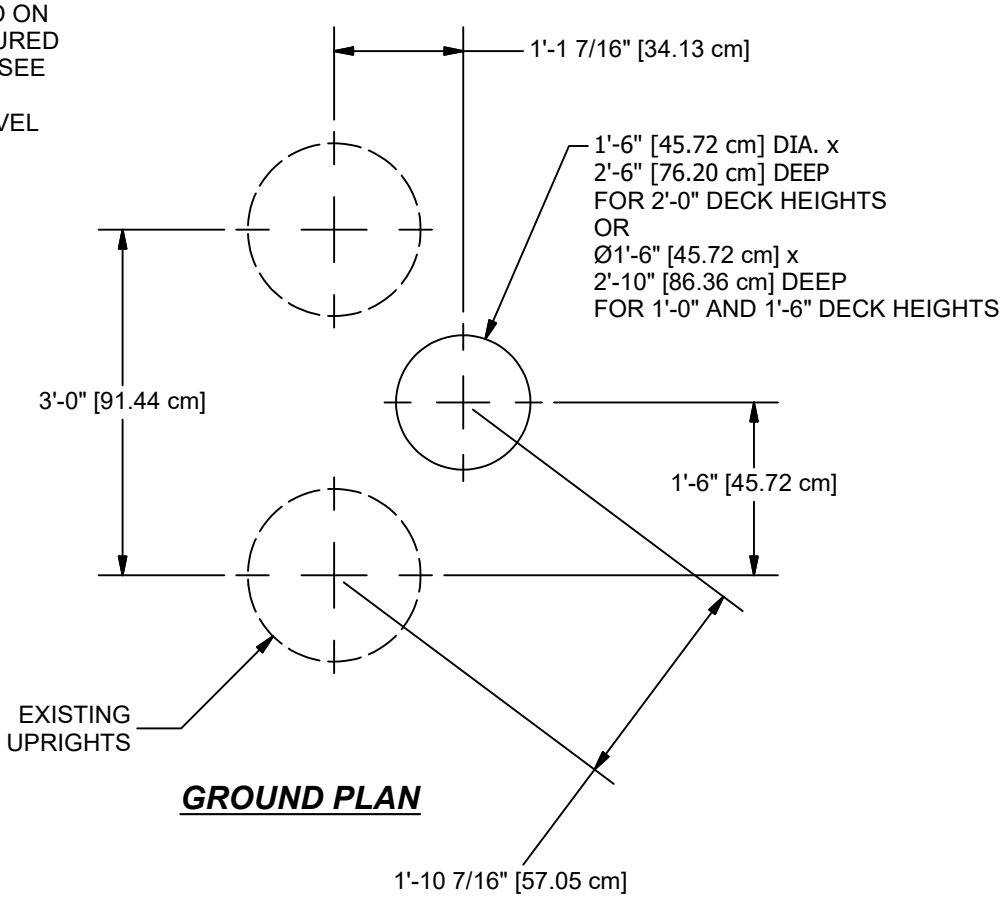

***ASSEMBLY DRAWING***




***TOP VIEW***

***NOTE:*** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
.10 CUBIC YARDS
[.07 CUBIC METERS]



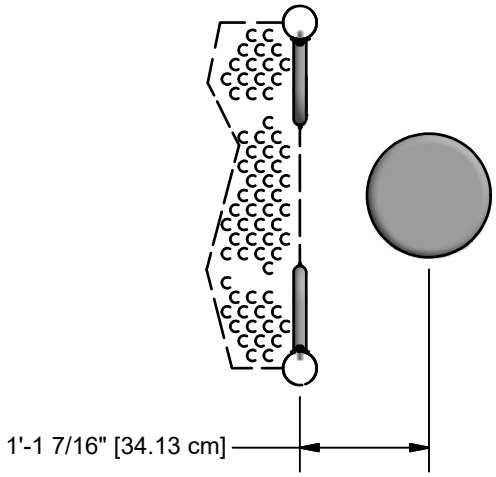

***GROUND PLAN***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | TOAD STOOL | 1 | 157594 |
| 2 | GROUND EXTENSION ( 16" ) HEIGHT | 1 | 156351 |
| 3 | D-RING WELD ASS'Y | 2 | 202623 |
| | ***HARDWARE COMPLETE*** | 1 | 203241 |
| | 3/8" x 3/4" B.H.C.S. | 2 | 811052* |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 811051* |
| | 3/8" x 2 1/4" B.H.C.S. | 2 | 811056* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" LOCK WASHER | 6 | 817334* |
| | 3/8" T-NUT | 4 | 804556* |
| 4 | 1/2" ANCHOR ROD | 1 | 135038* |
| | 3/8" FLAT WASHER | 2 | 817410* |

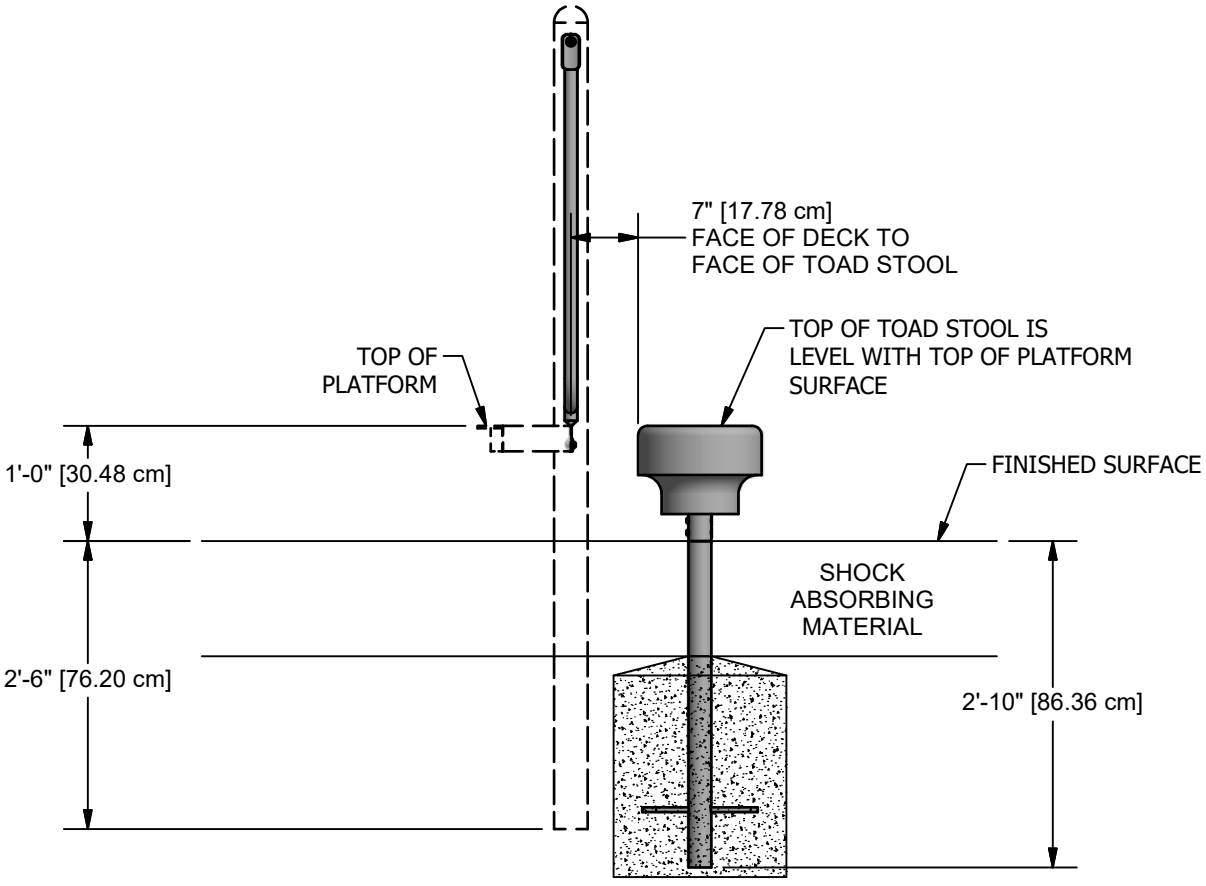
*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

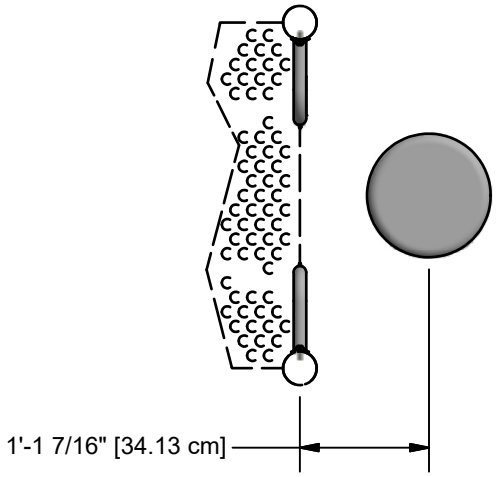
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***



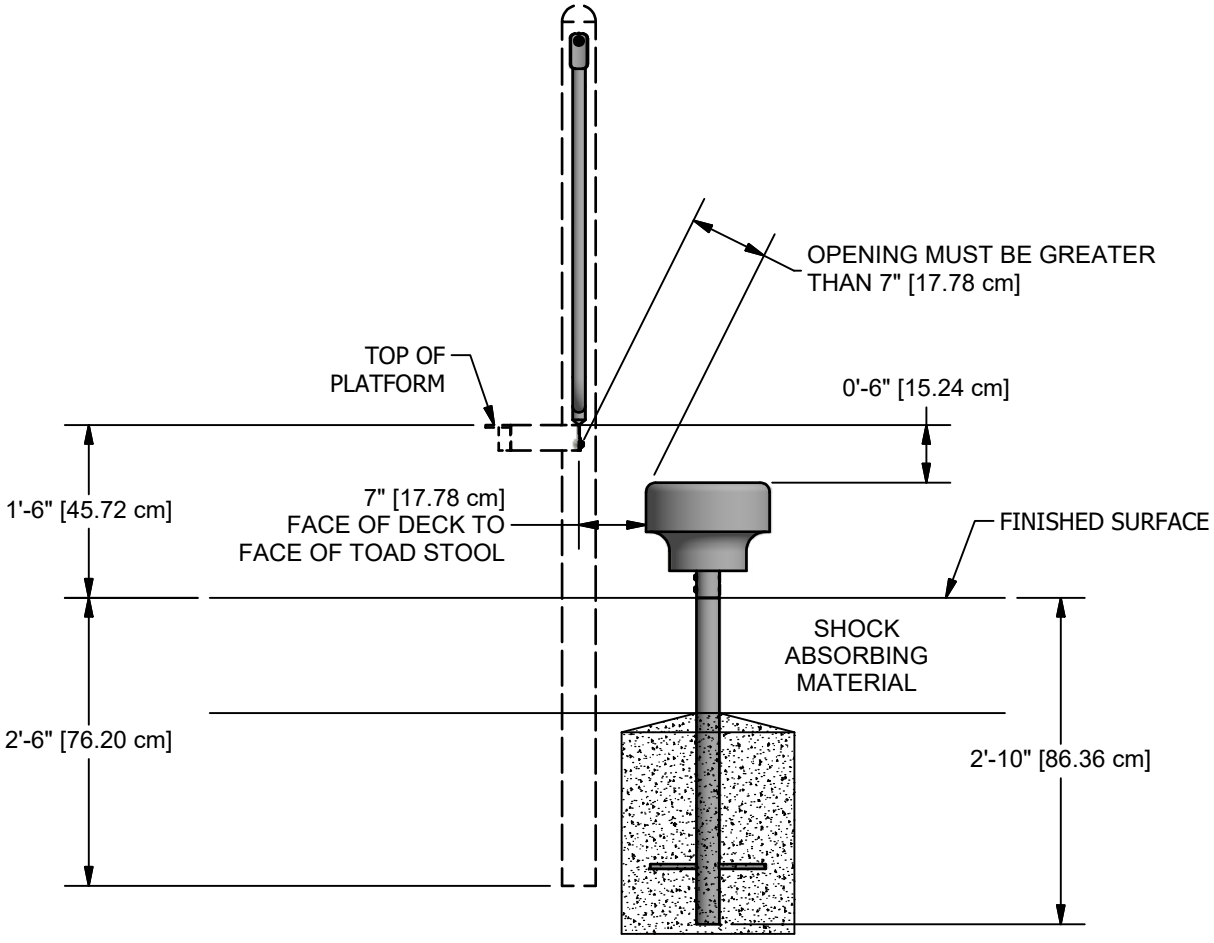

TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT TOAD STOOLS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT TOAD STOOLS ARE AT DIFFERENT HEIGHTS.



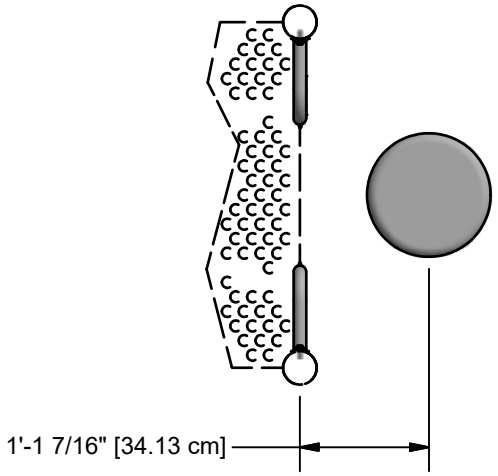

19147
1'-0" DECK HEIGHT
SHOWN



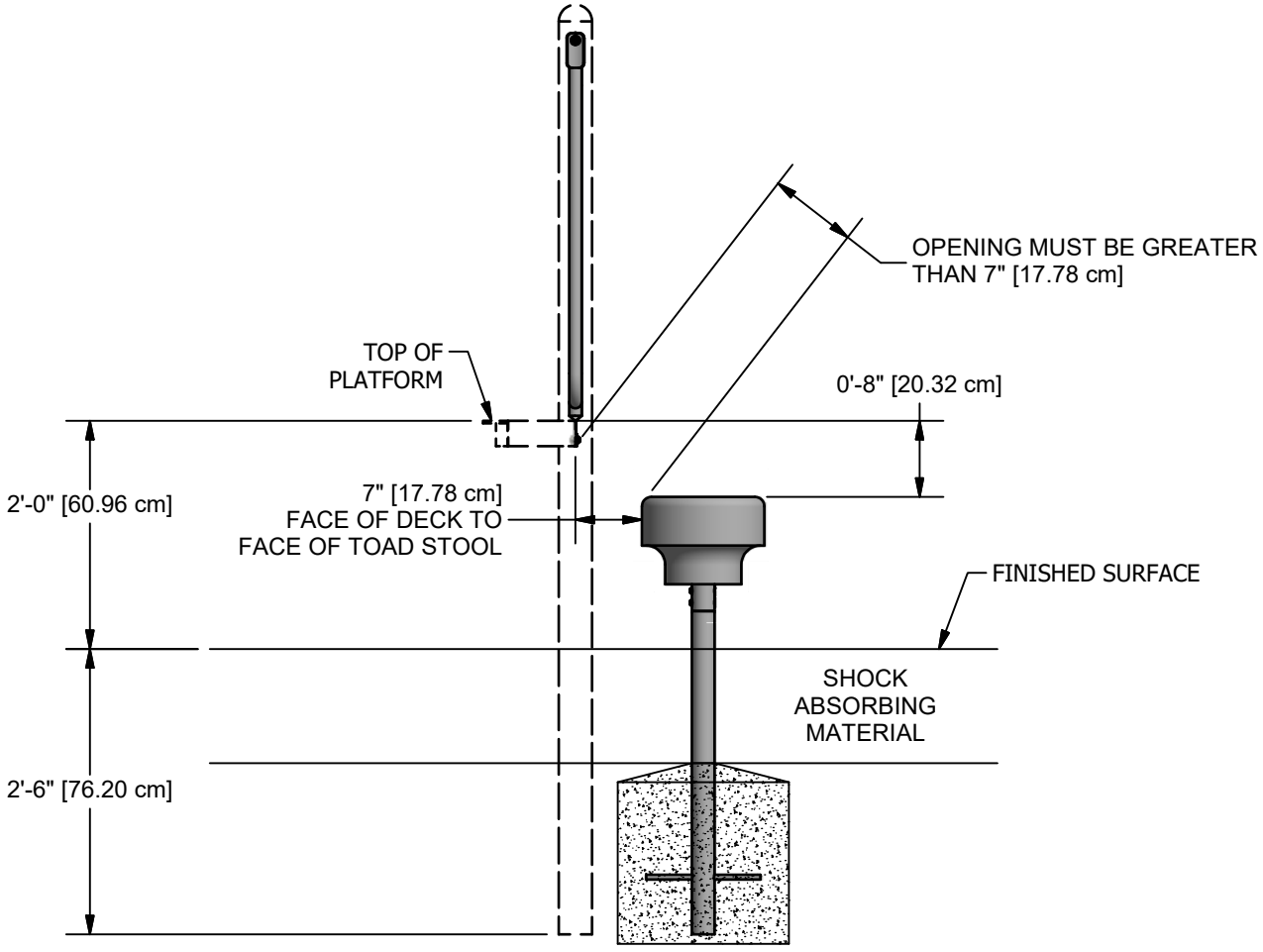

TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT TOAD STOOLS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT TOAD STOOLS ARE AT DIFFERENT HEIGHTS.




19147
1'-6" DECK HEIGHT SHOWN




TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT TOAD STOOLS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT TOAD STOOLS ARE AT DIFFERENT HEIGHTS.




19147
2'-0" DECK HEIGHT
SHOWN

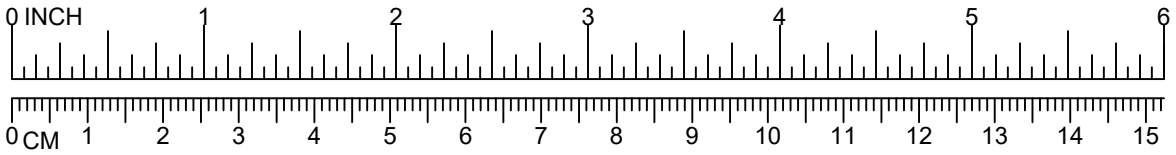
# DETAILS -for-
# 19147

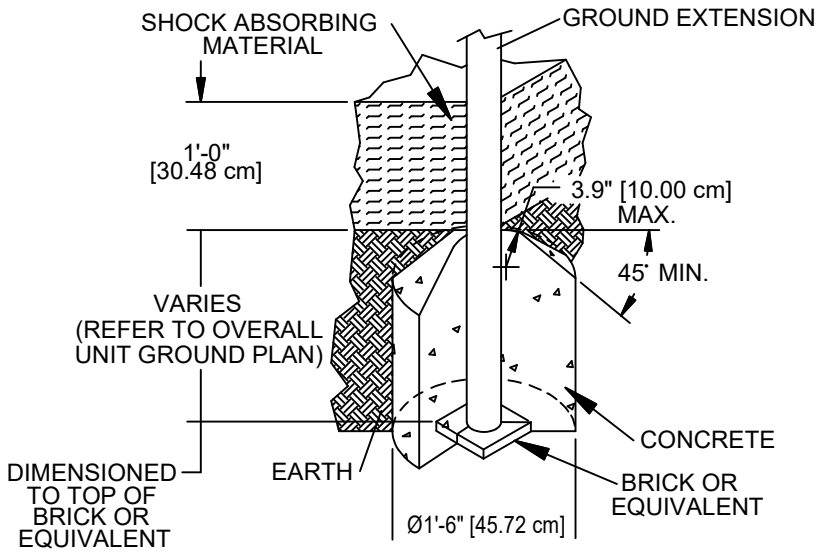
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

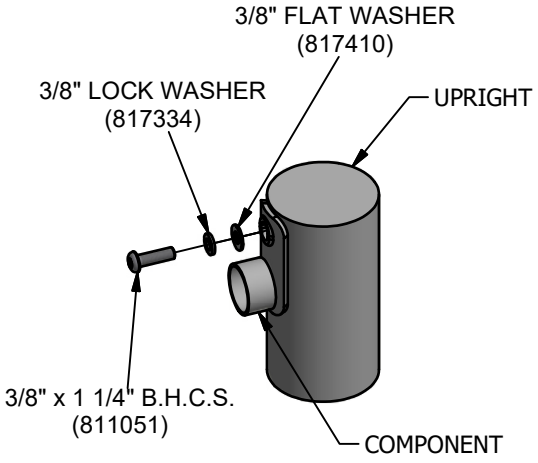


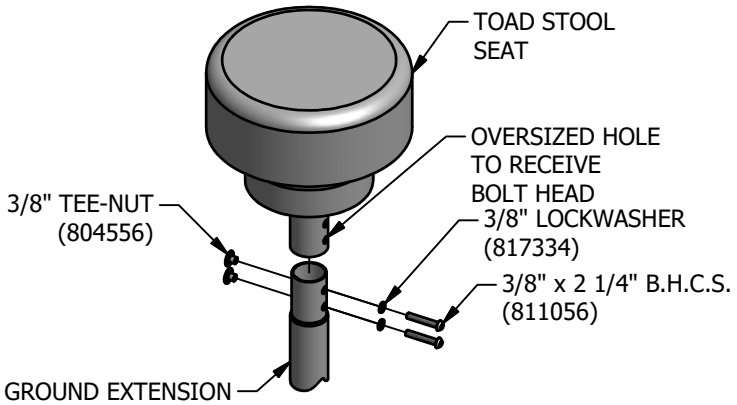

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




004




***NOTE***: AFTER ASSEMBLY IS COMPLETED, PEEN T-NUTS TO MATCH RADIUS OF PIPE.

164

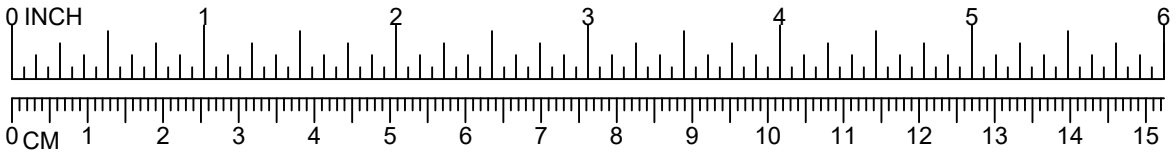
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# 19147

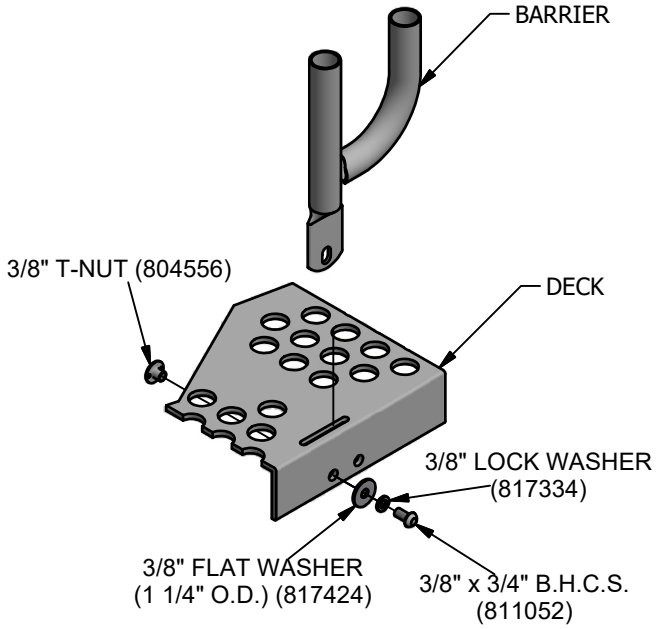
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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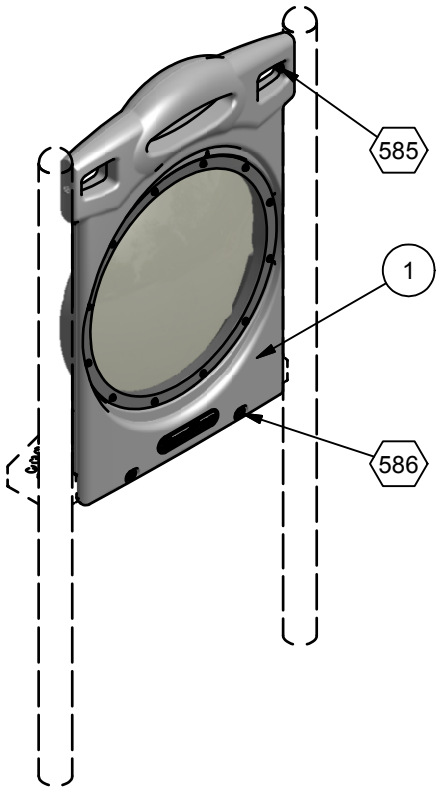
**ISSUED/REVISED: 10/27/11**

# 19198
# BUBBLE PANEL

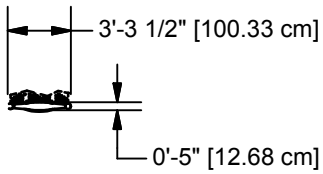
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE




***ASSEMBLY DRAWING***




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED ***INSTALLER INSTRUCTIONS*** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.
2. ASSEMBLE PARTS AS SHOWN IN THE ***ASSEMBLY DRAWING***. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | 19198 | PART NUMBER |
| 1 | BUBBLE PANEL 26" DIA. | 1 | 203034 |
| | ***HARDWARE COMPLETE*** | 1 | 203183 |
| | 3/8" x 1 1/2"B.H.C.S. | 2 | 811053* |
| | 3/8" x 2 1/4" B.H.C.S. | 2 | 811056* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| | 3/8" LOCKWASHER | 4 | 817334* |
| | 3/8" T-NUT | 2 | 804353* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

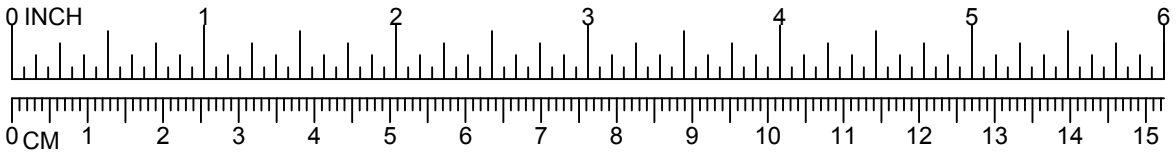
# DETAILS -for-
# 19198

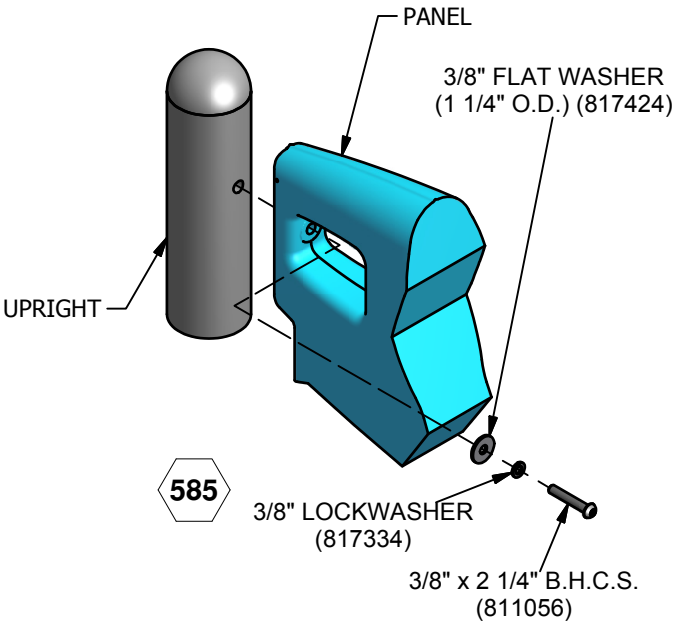
*I*MPORTANT

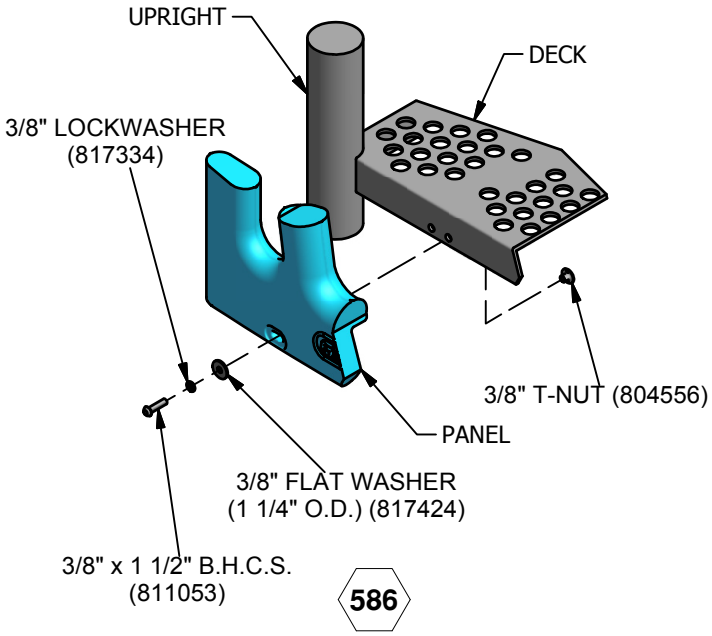
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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**ISSUED/REVISED: 1/17/17**

# 19214
# RUNG ENCLOSURE

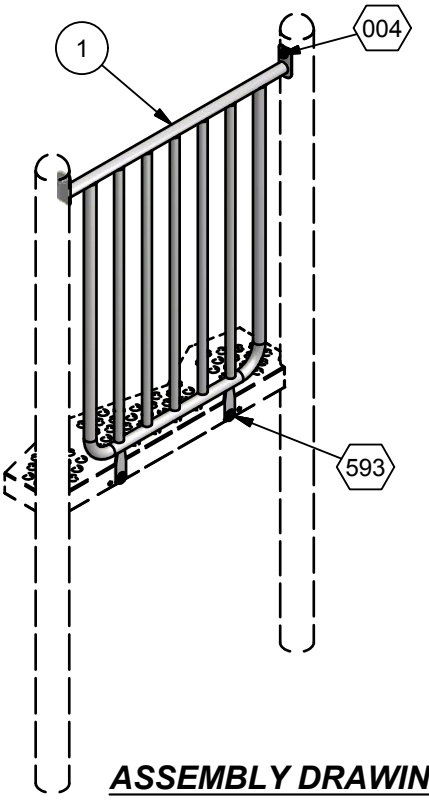
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

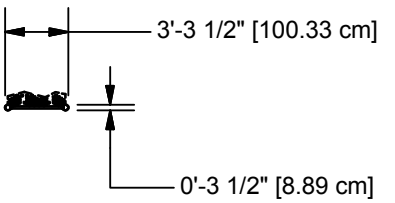



## *INSTALLATION INSTRUCTIONS*

1.) BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED ***INSTALLER INSTRUCTIONS*** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.
2.) ASSEMBLE PARTS AS SHOWN IN THE ***ASSEMBLY DRAWING***. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.
3.) LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.




***ASSEMBLY DRAWING***




***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | RUNG ENCLOSURE ASSEMBLY | 1 | 203061 |
| | ***HARDWARE COMPLETE*** | 1 | 202959 |
| | 3/8" x 3/4" B.H.C.S. | 2 | 811052* |
| | 3/8" x 1 1/4" B.H.C.S. | 2 | 811051* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" LOCKWASHER | 4 | 817334* |
| | 3/8" T-NUT | 2 | 804556* |
| | 3/8" FLAT WASHER | 2 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

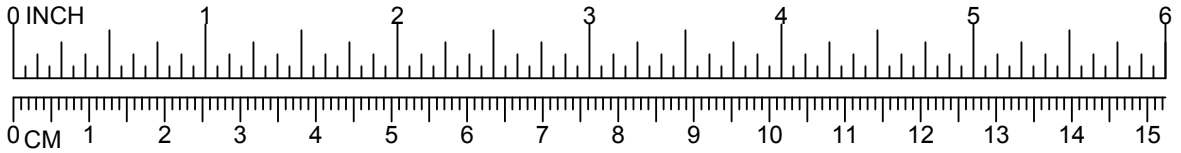
# DETAILS -for-
# 19214

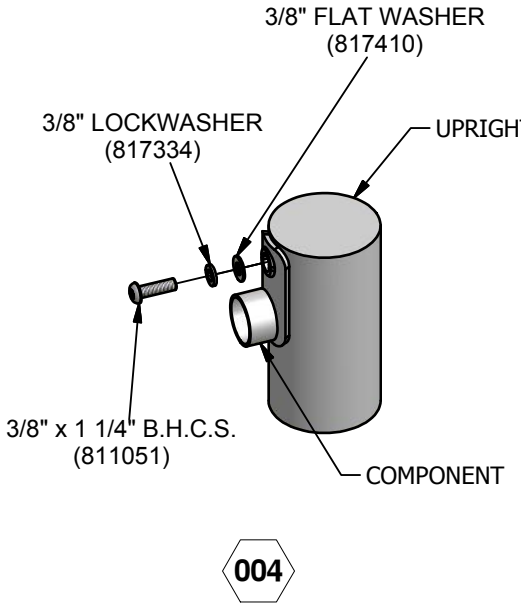
**I**MPORTANT

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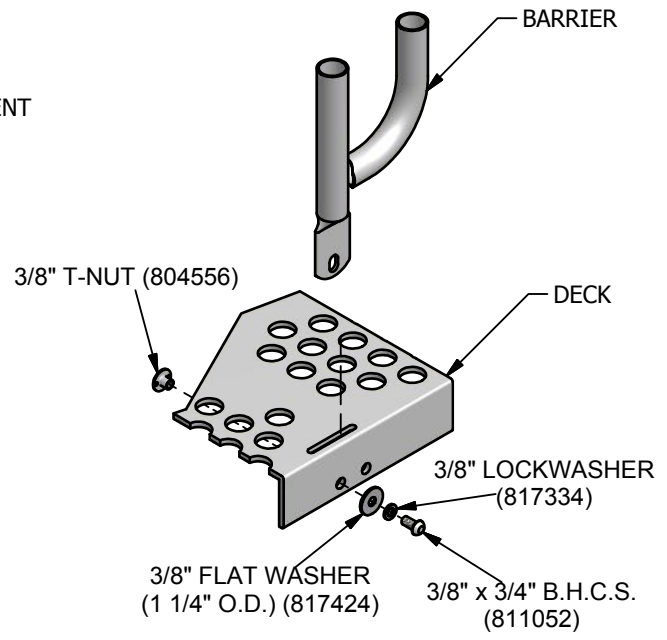
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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**ISSUED/REVISED: 8/15/18**

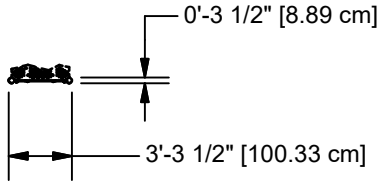
# 19241 MAZE PANEL

⬡ = INSTALLATION DETAIL

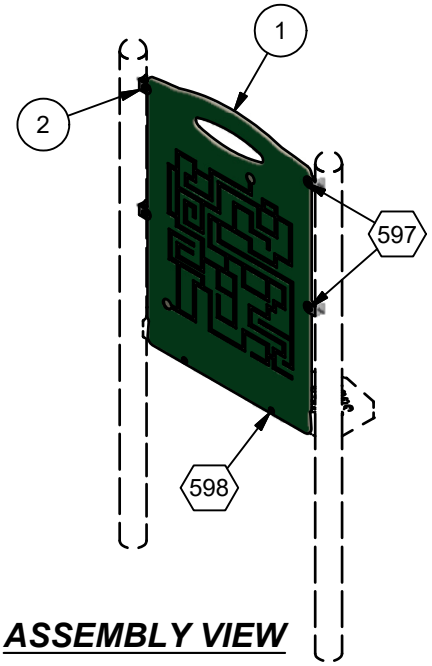
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.




***TOP VIEW***




***ASSEMBLY VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | MAZE PANEL | 1 | 203110 |
| 2 | FORMED TAB | 4 | 169926 |
| | ***HARDWARE COMPLETE*** | 1 | 214376 |
| | 3/8" x 3/4" B.H.C.S. | 4 | 811052* |
| | 3/8" x 1 1/4" B.H.C.S. | 4 | 811051* |
| | 3/8" x 1 1/2" B.H.C.S. | 2 | 811053* |
| | 3/8" LOCK WASHER | 10 | 817334* |
| | 3/8" FLAT WASHER | 10 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" HEX NUT | 2 | 804053* |
| | 3/8" T-NUT | 4 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

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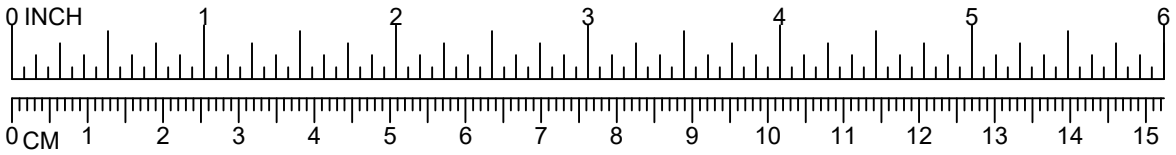
# DETAILS -for-
# 19241

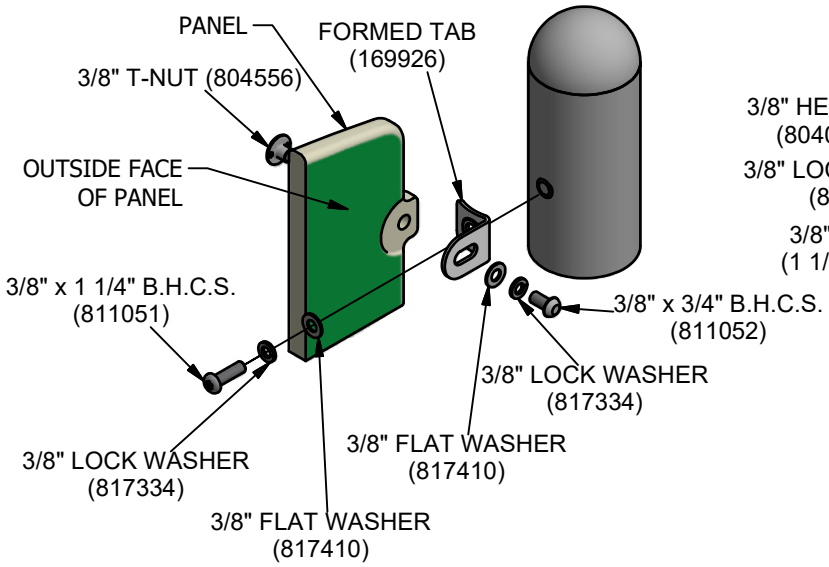
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

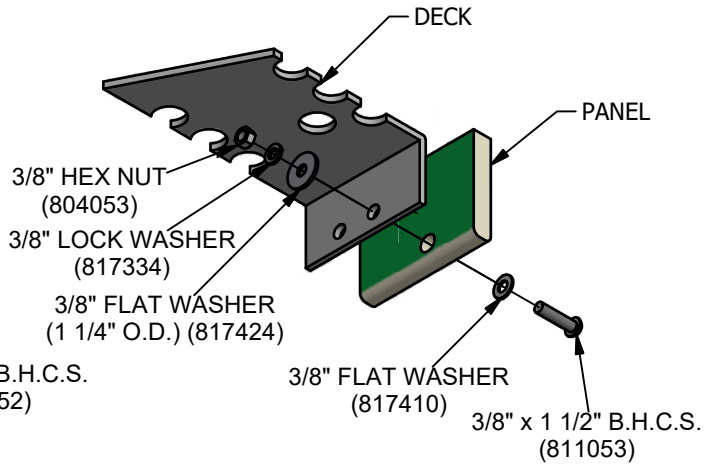
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




597




598

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**ISSUED/REVISED: 10/25/19**

# 19289
# TWO PIECE
# HEX DECK

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE




UP TO 5'-0" DECK HEIGHTS

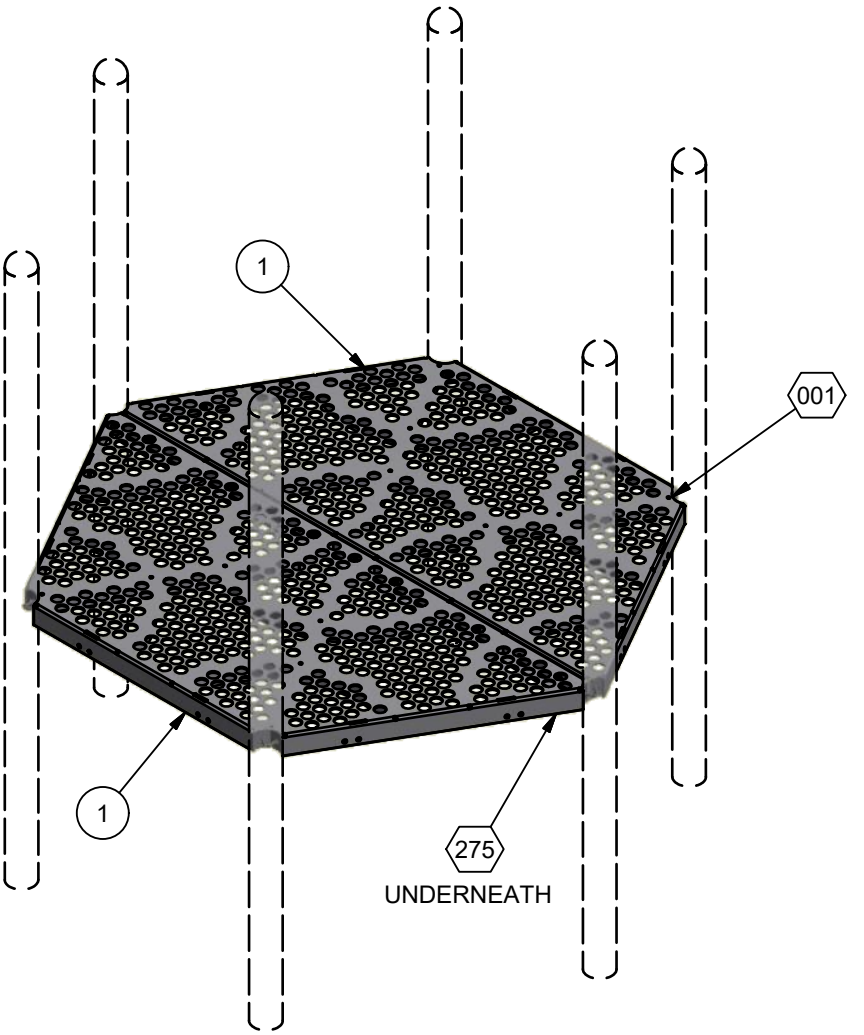



ALL DECK HEIGHTS

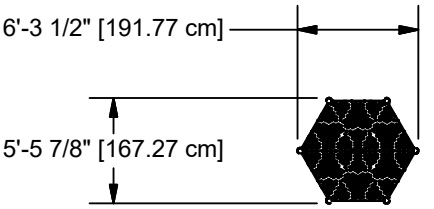
## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during assembly.
2. Dig ground holes per *GROUND PLAN*. See system top view for quantity.
3. Attach deck to uprights using (1) Detail 001 per upright.
4. Loctite (supplied by others) should be used on all threaded hardware.
5. Fasten decks together using (11) Detail 275.

NOTE: Remove vinyl from the inside holes, with 1/2" bit.




***ASSEMBLY DRAWING***

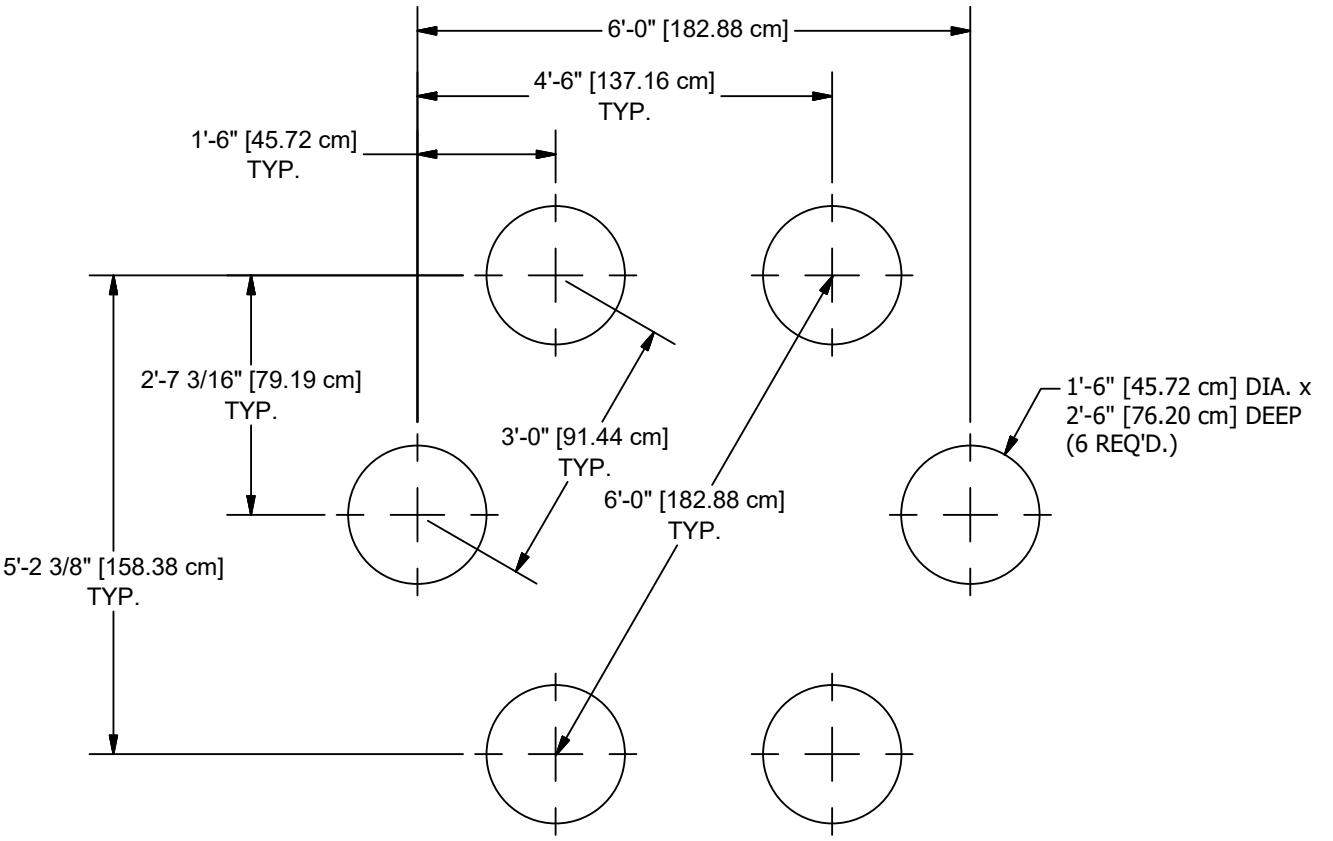



***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | COATED TWO PIECE HEX DECK | 2 | 204935 |
| | ***HARDWARE COMPLETE*** | 1 | 204962 |
| | 3/8" x 3/4" B.H.C.S. | 7 | 811052* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 19 | 817424* |
| | 3/8" LOCK WASHER | 19 | 817334* |
| | 3/8" T-NUT | 7 | 804556* |
| | 3/8" x 1 1/2" B.H.C.S. | 12 | 811053* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




**CONCRETE REQUIRED**
.59 Cubic Yards
[.45 Cubic Meters]

## ***GROUND PLAN***

NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.

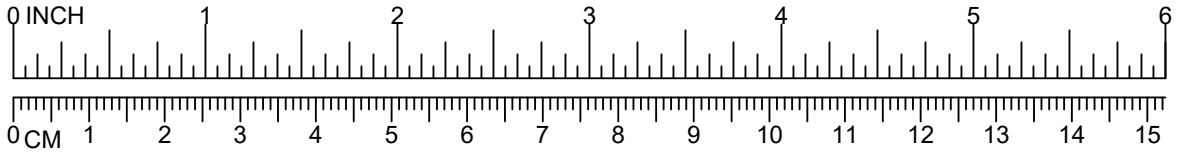
# DETAILS -for-
# 19289

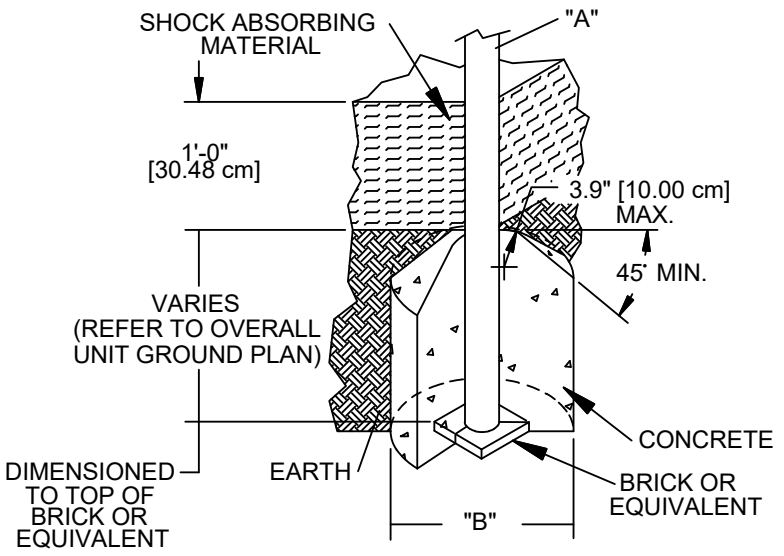
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



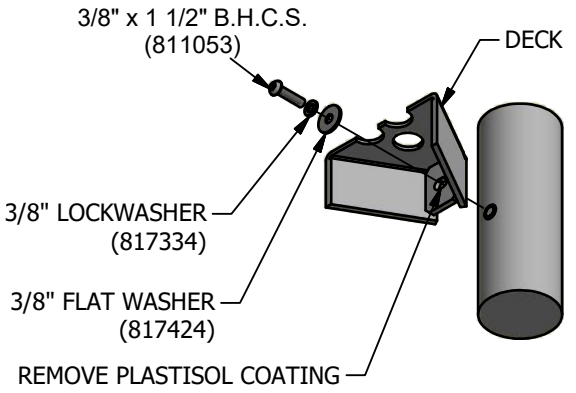




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

**005**

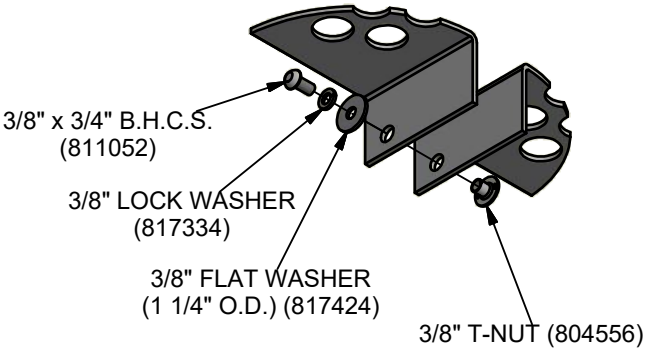
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




NOTE:
BOLTS SHOULD BE TORQUED TO 20-25 FT. LBS. FOR PROPER INSTALLATION.

NOTE:
AFTER ASSEMBLY IS COMPLETE, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

**001**




**275**

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ISSUED/REVISED: 4/03/2024

# 19382 WILDER SLIDE II

= INSTALLATION DETAIL

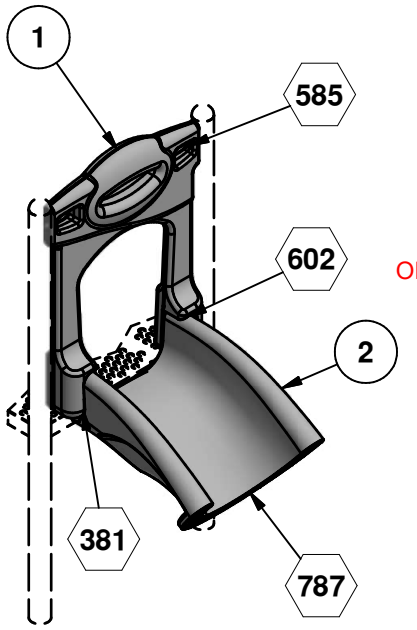
= PARTS LIST REFERENCE




UP TO 5'-0"

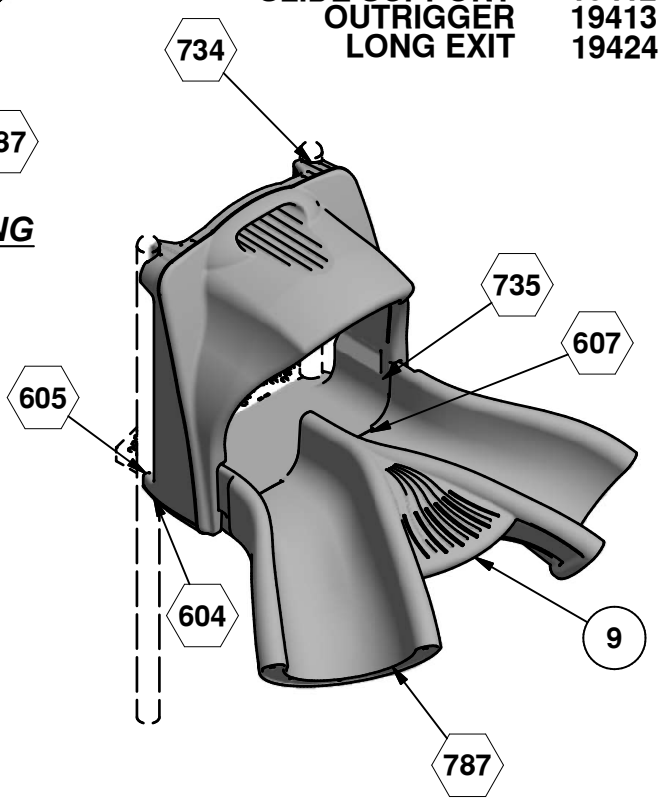



UP TO 8'-0"

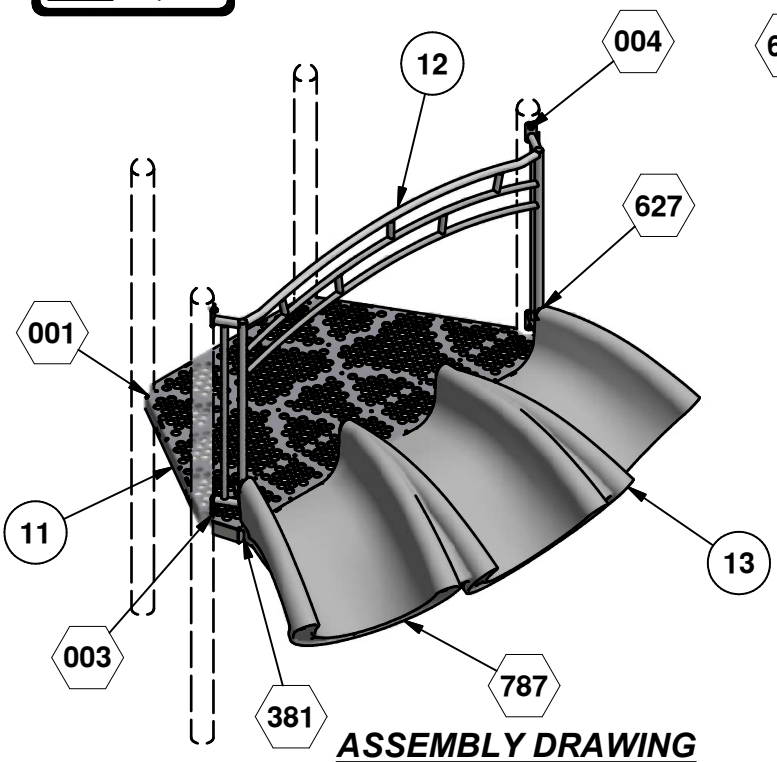



***ASSEMBLY DRAWING***
**19382 SHOWN**

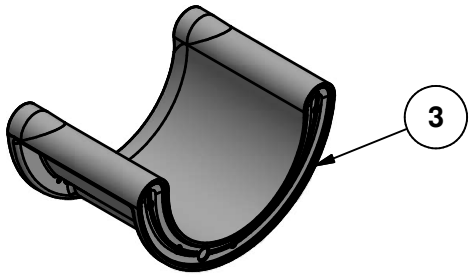
| | |
|---|---|
| SINGLE ENTRANCE | 19382 |
| DOUBLE ENTRANCE | 19464 |
| TRIPLE ENTRANCE | 19384 |
| STRAIGHT | 19385 |
| CURVE LEFT | 19386 |
| CURVE RIGHT | 19387 |
| EXIT | 19388 |
| OBSOLETE ~~140° HELIX SPIRAL~~ | ~~19389~~ |
| HELIX SPIRAL | 19390 |
| SLIDE SUPPORT | 19391 |
| SLIDE SUPPORT | 19392 |
| DOUBLE STRAIGHT | 19403 |
| SLIDE SUPPORT | 19412 |
| OUTRIGGER | 19413 |
| LONG EXIT | 19424 |



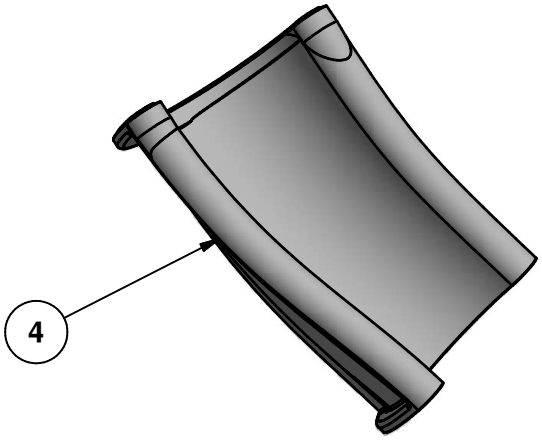

***ASSEMBLY DRAWING***
**19464 SHOWN**



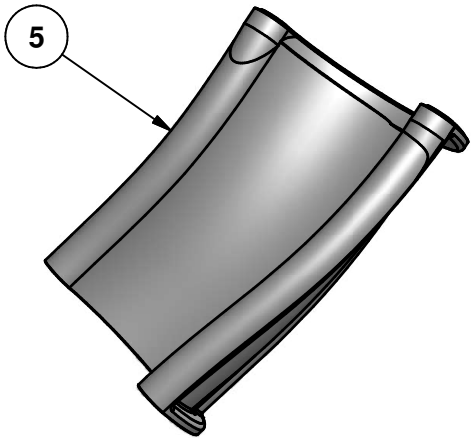

***ASSEMBLY DRAWING***
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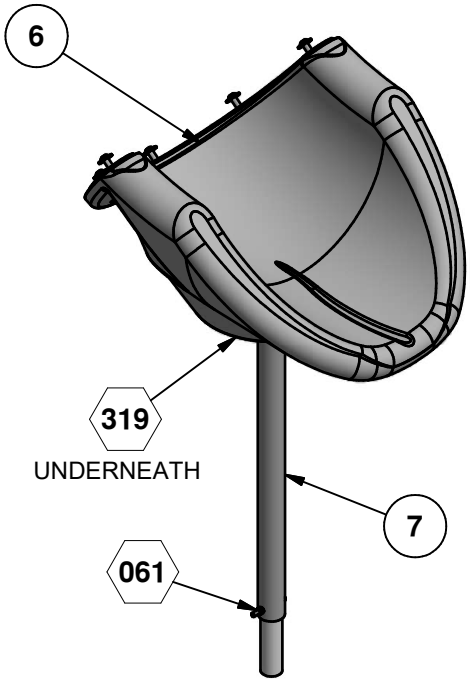

***ASSEMBLY DRAWING***
**19385 SHOWN**



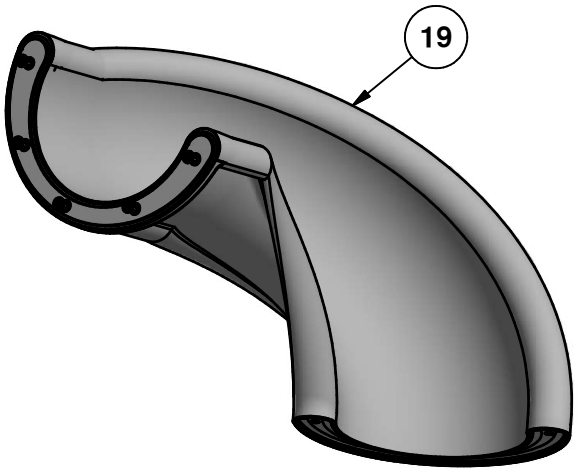

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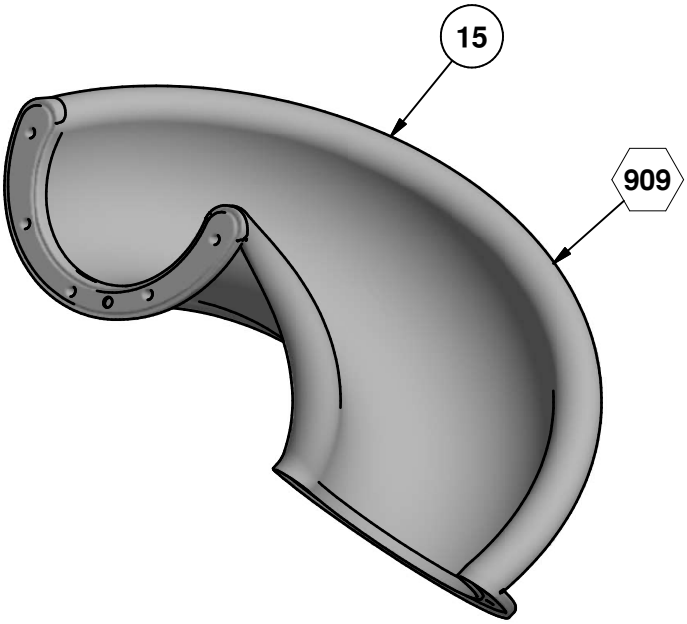

***ASSEMBLY DRAWING***
**19387 SHOWN**



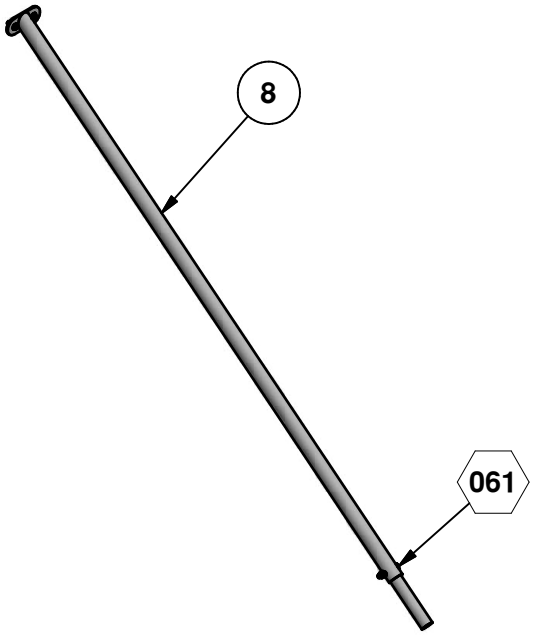

***ASSEMBLY DRAWING***
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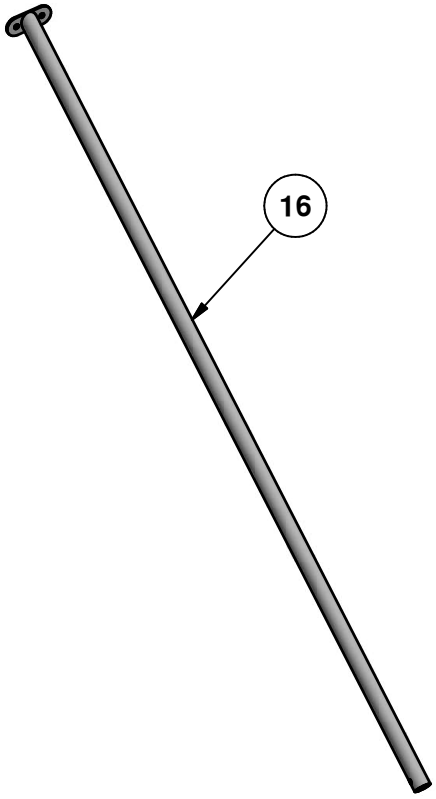

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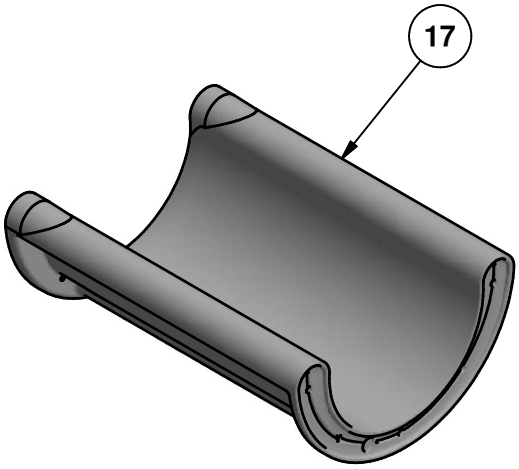

***ASSEMBLY DRAWING***
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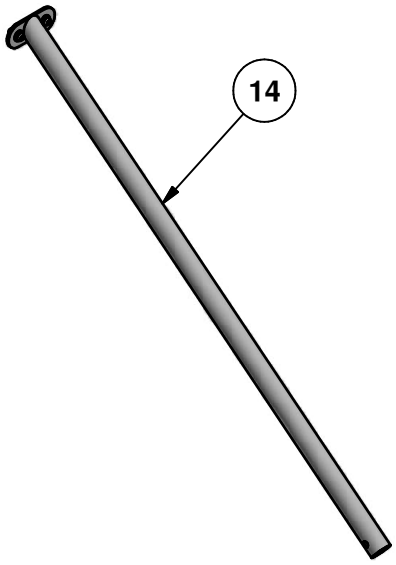

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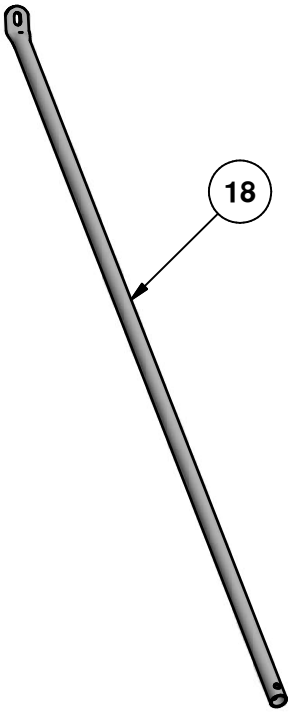

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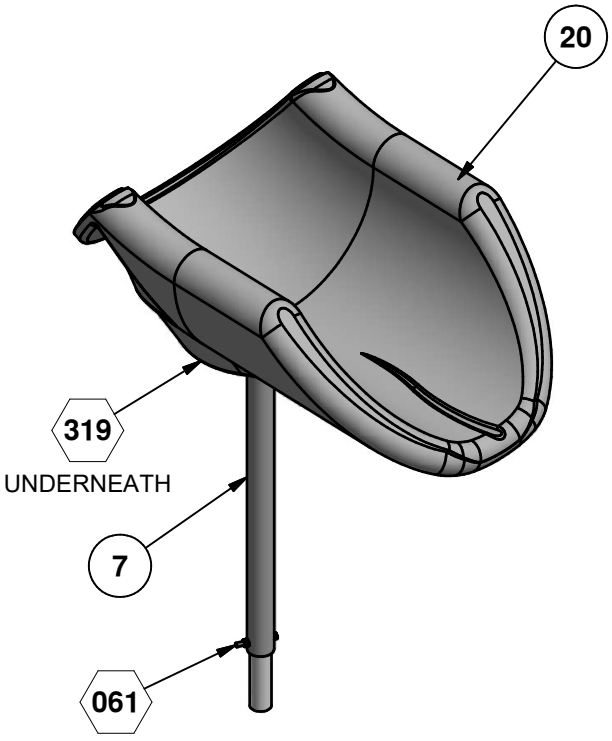

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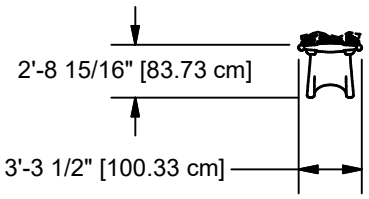

***ASSEMBLY DRAWING***
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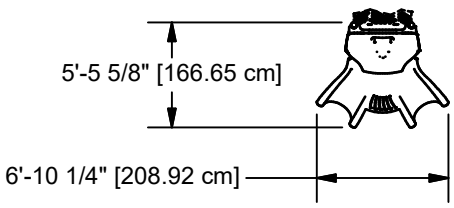

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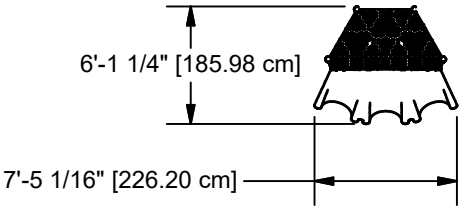

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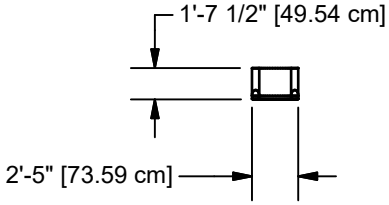

**19382**



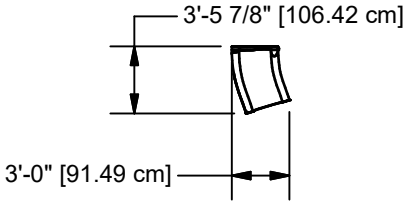

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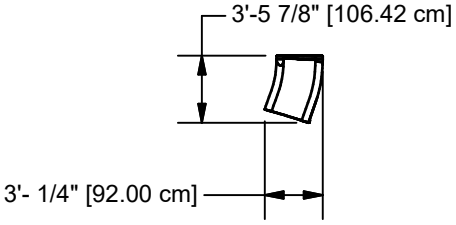

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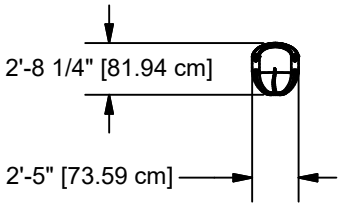

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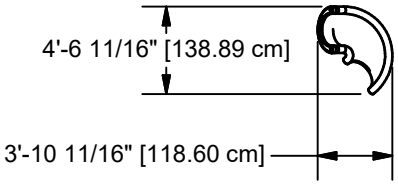

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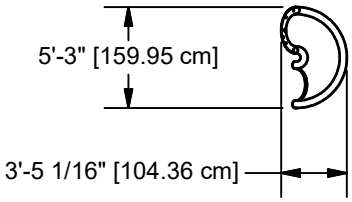

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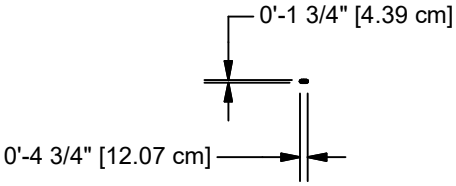

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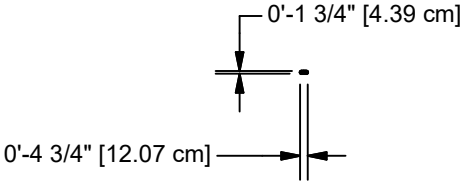

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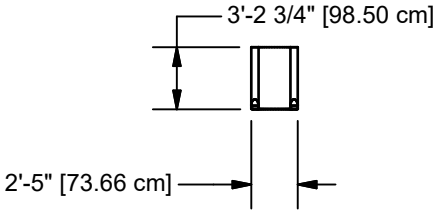

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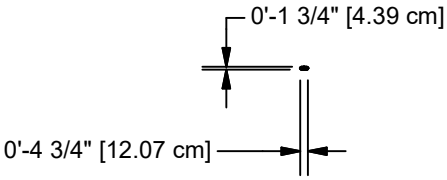

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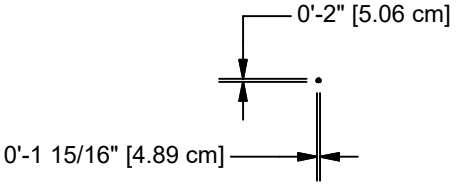

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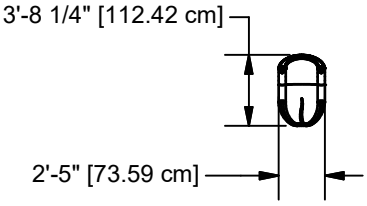

**19403**




**19412**



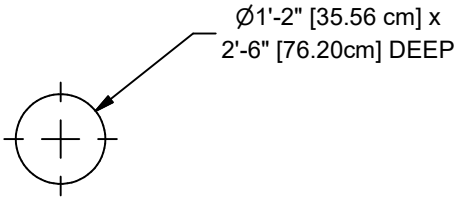

**19413**




**19424**

***TOP VIEWS***

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON A LEVEL FINISHED SURFACE

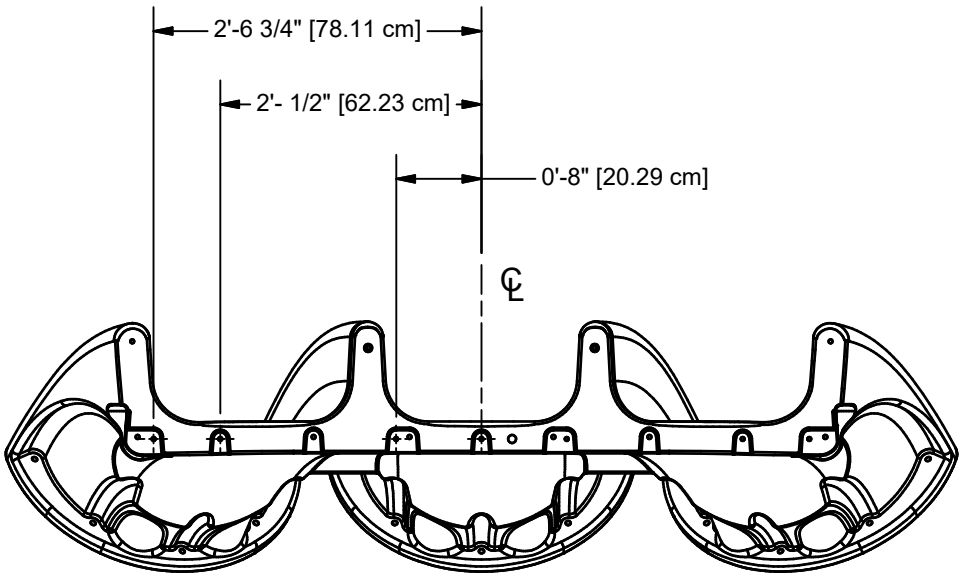



CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

PER GROUND HOLE
(DETERMINED BY CONFIGURATION)

NOTE:
NUMBER OF GROUND HOLES REQUIRED WILL BE DETERMINED BY SLIDE CONFIGURATION.

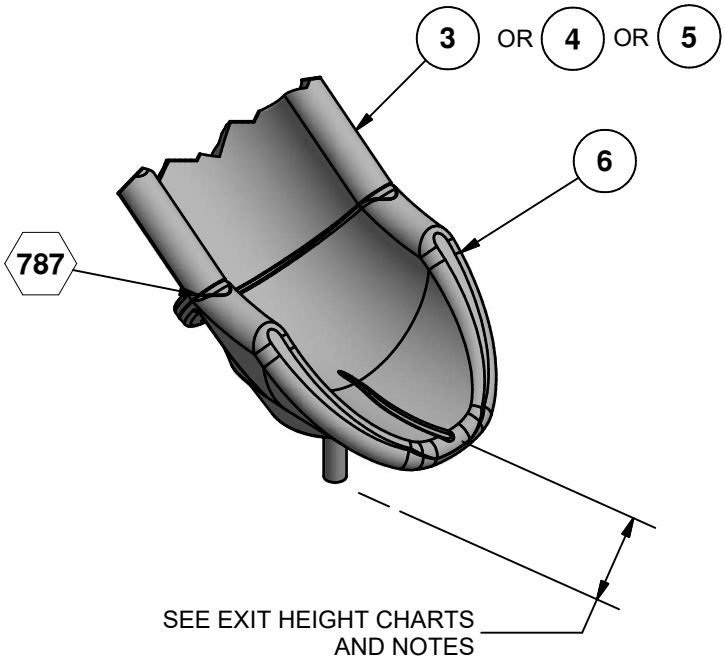
## ***GROUND PLAN***




**NOTE:**USE THESE INSERTS TO ATTACH TRIPLE ENTRANCE TO PLATFORM. CLEAN OUT HOLE LOCATIONS ON PLATFORM TO MATCH DIMENSIONS.

## TRIPLE ENTRANCE HOLE PATTERN DETAIL

| EXIT HEIGHT CHART | |
|---|---|
| DECK HEIGHT | EXIT HEIGHT |
| 3'-0" | 7 1/4" [18.42cm] |
| 3'-6" | 13 1/4" [33.66cm] |
| 4'-0" | 7 1 /4" [18.42 cm] |
| 4'-6" | 13 1/4" [33.66 cm] |
| 5'-0" | 7 1/4" [18.42cm] |
| 5'-6" | 13 1/4" [33.66 cm] |
| 6'-0" | 7 1/4" [18.42 cm] |
| 6'-6" | 13 1/4" [33.66 cm] |
| 7'-0" | 7 1/4" [18.42 cm] |
| 7'-6" | 13 1/4" [33.66 cm] |
| 8'-0" | 7 1/4" [18.42cm] |

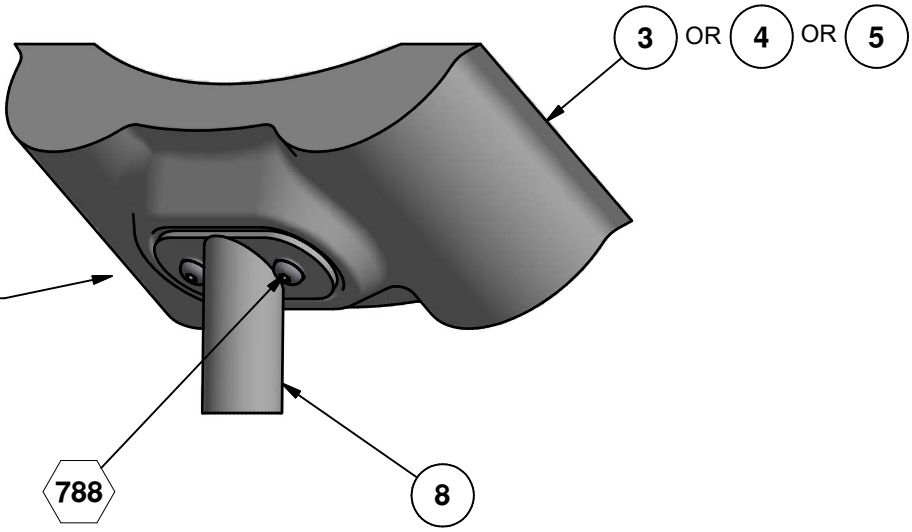



NOTE: CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS APPLIED

NOTE:
IF YOUR BUILDING A SINGLE ENTRANCE STRAIGHT SLIDE YOUR EXIT HEIGHT WILL BE AS FOLLOWS:

| DECK HEIGHT | EXIT HEIGHT |
|---|---|
| 7'-0" | 8 3/4" [22.23cm] |
| 7'-6" | 14 3/4" [37.47cm] |
| 8'-0" | 11" [27.94cm] |

## ***EXIT SECTION ASSEMBLY DRAWING***




NOTE: SUPPORT ATTACHES TO THE THIRD MOUNTING PAD UP FROM BOTTOM

EXCEPT WHEN A HELIX SPIRAL IS USED.

IF HELIX SPIRAL IS USED THEN SUPPORT WILL ATTACH TO THE FIRST DOWNWARD HELIX SPIRAL.

## ***SLIDE SUPPORT ASSEMBLY DRAWING***

# ***INSTALLATION INSTRUCTIONS***

***SINGLE BEDWAY SLIDES***

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Zip Slide Hood using Detail 585.
4. Attach Footbuck to Exit Section using Detail 319.
5. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

6. Once all sections are bolted together, hand tight, install the slide to the Zip Slide Hood and platform using Detail 381 and Detail 602.
7. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
8. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
9. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 7 and 8 until seams are properly fitted.
10. After the slide is adjusted and the bolts are tight, attach the slide support using Detail 659 (if required).
11. Use Detail 660 to plug inserts in Straight and Curved Sections as required.
12. Attach Outrigger to Spirals if required using Detail 840.

***DOUBLE BEDWAY SLIDES***

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Double Slide Hood using Detail 734, Detail 604, and Detail 605.
4. Attach Footbucks to Exit Sections using Detail 319.
5. Attach the Double Entrance Section using Detail 735 and Detail 607.
6. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

7. Once all sections are bolted together, hand tight, install the slides to the Double Entrance Section using Detail 787.
8. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
9. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
10. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 8 and 9 until seams are properly fitted.
11. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 659 (if required).
12. Use Detail 660 to plug inserts in Straight and Curved Sections as required.
13. Attach Outrigger to Spirals if required using Detail 840.

***TRIPLE BEDWAY SLIDES***

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach the four Uprights to Triple Slide Deck using Detail 001.
4. Attach Triple Slide Enclosure using Detail 003 and Detail 004.
5. Attach Footbucks to Exit Sections using Detail 319.
6. Attach the Triple Entrance Section using Detail 381 and Detail 627.
7. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

8. Once all sections are bolted together, hand tight, install the slides to the Triple Entrance Section using Detail 787.
9. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
10. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
11. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 9 and 10 until seams are properly fitted.
12. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 659 (if required).
13. Use Detail 660 to plug inserts in Straight and Curved Sections as required.
14. Attach Outrigger to Spirals if required using Detail 840.

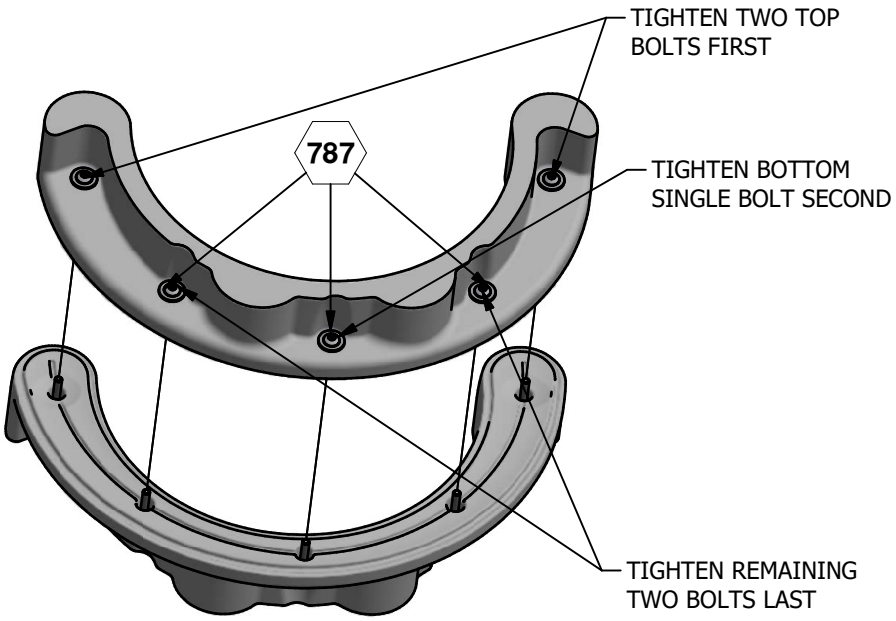



**FIGURE #1**

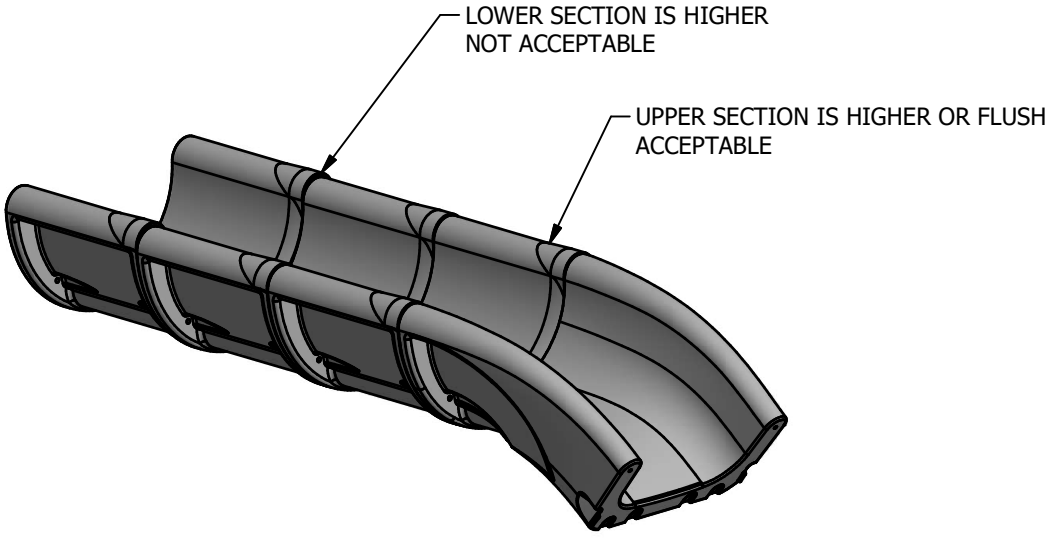



**FIGURE #2**

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19382 | 19464 | 19384 | 19385 | 19386 | 19387 | 19388 | PART NUMBER |
| 1 | ZIP SLIDE ENTRANCE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 202636 |
| 2 | SINGLE ENTRANCE SECTION | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 205960 |
| 3 | STRAIGHT SECTION | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 205962 |
| 4 | CURVED LEFT SECTION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 205963 |
| 5 | CURVED RIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 205964 |
| 6 | EXIT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 206179 |
| 7 | FOOTBUCK WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 204879 |
| 8 | SUPPORT ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 312634 |
| 9 | DOUBLE ENTRANCE SECTION | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 206167 |
| 10 | DOUBLE SLIDE HOOD | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 214527 |
| 11 | COATED TRIPLE SLIDE DECK | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 207568 |
| 12 | TRIPLE SLIDE ENCLOSURE WELD ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 207561 |
| 13 | TRIPLE ENTRANCE SECTION | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 206168 |
| 14 | SLIDE SUPPORT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208976 |
| 15 | HELIX SPIRAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206170 |
| 16 | SUPPORT ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 312637 |
| 17 | DOUBLE STRAIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207601 |
| 18 | OUTRIGGER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209049 |
| 19 | HELIX SPIRAL 140 DEGREES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210735 |
| 20 | EXIT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 211303 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 207053 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 207054 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 207055 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 207056 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 207572 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 207573 |
| | 3/8" x 3/4" B.H.C.S. | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 811052* |
| | 3/8" x 1" B.H.C.S. | 0 | 2 | 0 | 2 | 4 | 4 | 0 | 811050* |
| | 3/8" x 1 1/4" B.H.C.S. | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 811051* |
| | 3/8" x 1 1/2" B.H.C.S. | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 811053* |
| | 3/8" x 1 3/4" B.H.C.S. | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 811054* |
| | 3/8" x 2" P.B.H.C.S w/Patch | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 812055* |
| | 3/8" x 2" B.H.C.S | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 811055* |
| | 3/8" x 2 1/4" B.H.C.S. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 811056* |
| | 3/8" x 2 1/2" B.H.C.S. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 811057* |
| | 3/8" X 3" B.H.C.S. | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 811059* |
| | 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 801013* |
| | 3/8" FLATWASHER | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 14 | 14 | 6 | 6 | 6 | 6 | 817424* |
| | 3/8" LOCK WASHER | 6 | 12 | 20 | 5 | 5 | 5 | 8 | 817334* |
| | 3/8" HEX NUT | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 804053* |
| | 3/8" BARREL NUT LONG | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 804820* |
| | 1/2" FLATWASHER | 0 | 0 | 0 | 6 | 6 | 6 | 6 | 817425* |
| | 6" EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 151080* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19389 | 19390 | 19391 | 19392 | 19403 | 19412 | 19413 | 19424 | PART NUMBER |
| 1 | ZIP SLIDE ENTRANCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 202636 |
| 2 | SINGLE ENTRANCE SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205960 |
| 3 | STRAIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205962 |
| 4 | CURVED LEFT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205963 |
| 5 | CURVED RIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205964 |
| 6 | EXIT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206179 |
| 7 | FOOTBUCK WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 204879 |
| 8 | SUPPORT ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 312634 |
| 9 | DOUBLE ENTRANCE SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206167 |
| 10 | DOUBLE SLIDE HOOD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 214527 |
| 11 | COATED TRIPLE SLIDE DECK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207568 |
| 12 | TRIPLE SLIDE ENCLOSURE WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207561 |
| 13 | TRIPLE ENTRANCE SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206168 |
| 14 | SLIDE SUPPORT | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 208976 |
| 15 | HELIX SPIRAL | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 206170 |
| 16 | SUPPORT ASS'Y | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 312637 |
| 17 | DOUBLE STRAIGHT SECTION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 207601 |
| 18 | OUTRIGGER | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 209049 |
| 19 | HELIX SPIRAL 140 DEGREES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210735 |
| 20 | EXIT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 211303 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 207054 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 207055 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 207056 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 207057 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 208399 |
| | 3/8" x 3/4" B.H.C.S. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 811052* |
| | 3/8" x 1" B.H.C.S. | 2 | 2 | 2 | 2 | 4 | 2 | 0 | 0 | 811050* |
| | 3/8" x 2" P.B.H.C.S w/Patch | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 5 | 812055* |
| | 3/8" x 2 1/4" P.B.H.C.S w/Patch | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 812056* |
| | 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 801009* |
| | 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 801013* |
| | 3/8" FLATWASHER | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 2 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 5 | 6 | 0 | 0 | 6 | 0 | 0 | 6 | 817424* |
| | 3/8" LOCK WASHER | 5 | 5 | 3 | 2 | 5 | 2 | 0 | 8 | 817334* |
| | 3/8" HEX NUT | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 804053* |
| | 3/8" BARREL NUT LONG | 5 | 5 | 0 | 0 | 5 | 0 | 0 | 5 | 804820* |
| | 1/2" FLATWASHER | 5 | 6 | 0 | 0 | 6 | 0 | 0 | 6 | 817425* |
| | 6" EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 151080* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

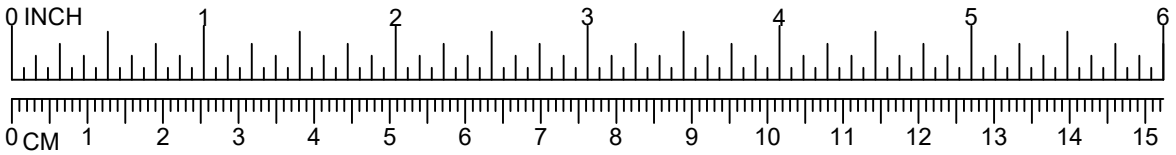
# DETAILS -for-
# 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

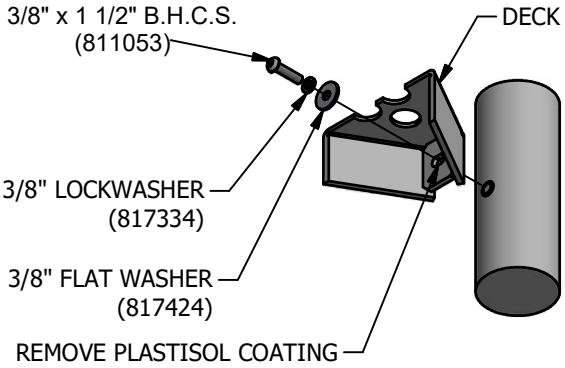
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

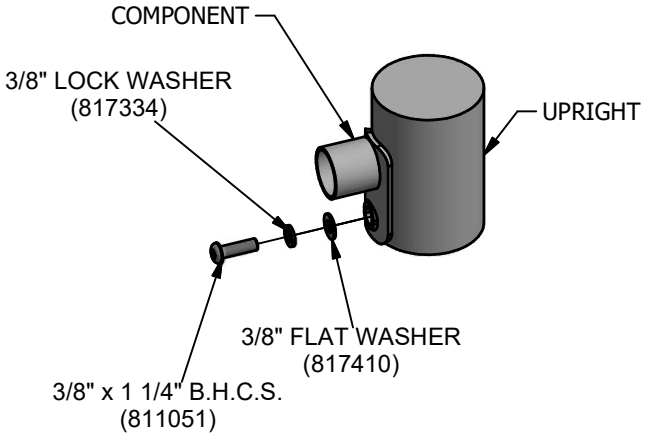


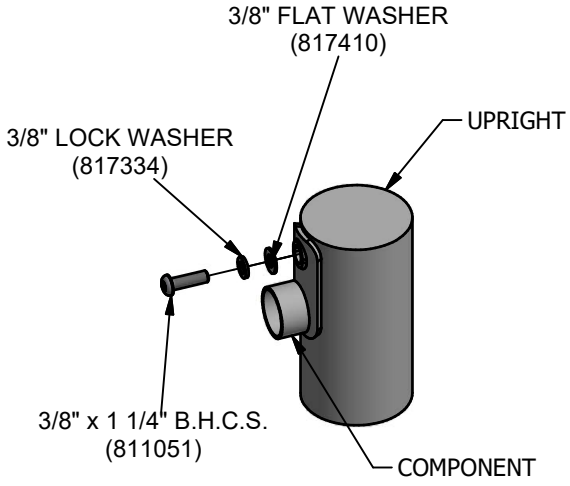

NOTE:
BOLTS SHOULD BE TORQUED TO 20-25 FT. LBS. FOR PROPER INSTALLATION.

NOTE:
AFTER ASSEMBLY IS COMPLETE, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

**001**




**003**




**004**

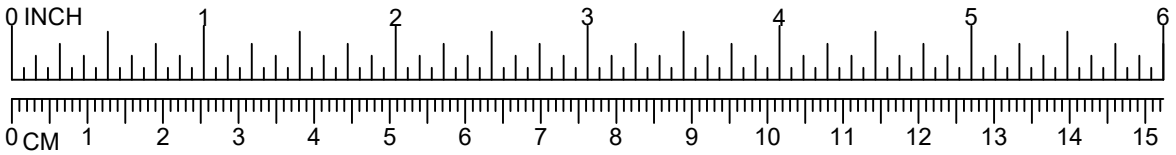
# DETAILS -for-
# 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

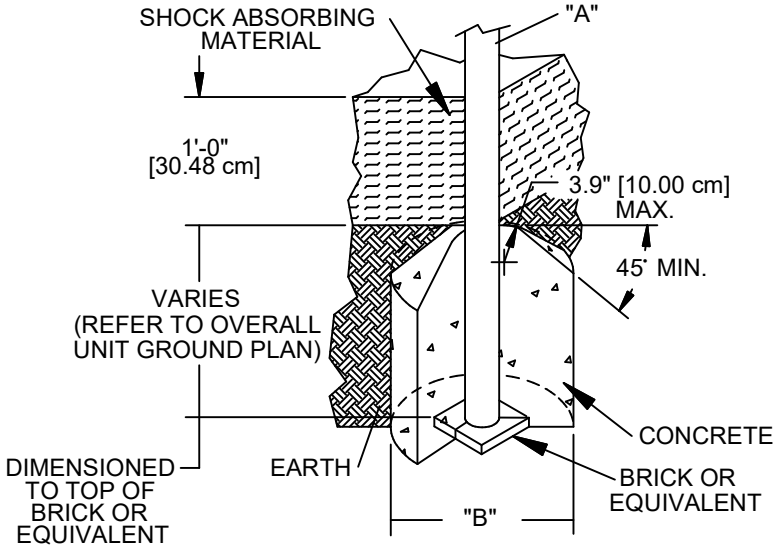
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



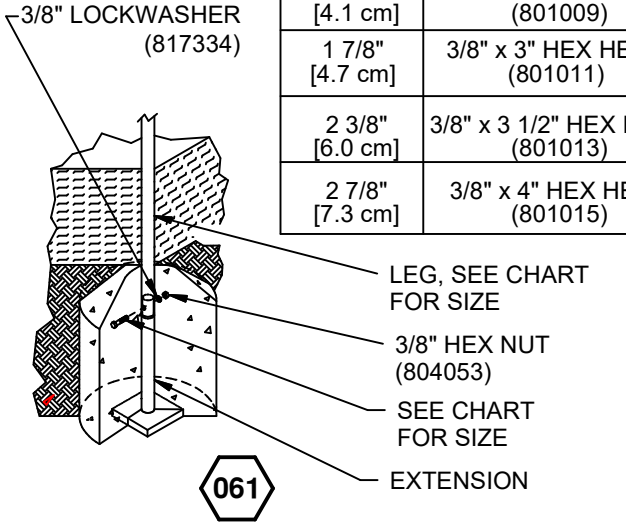

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

**005**

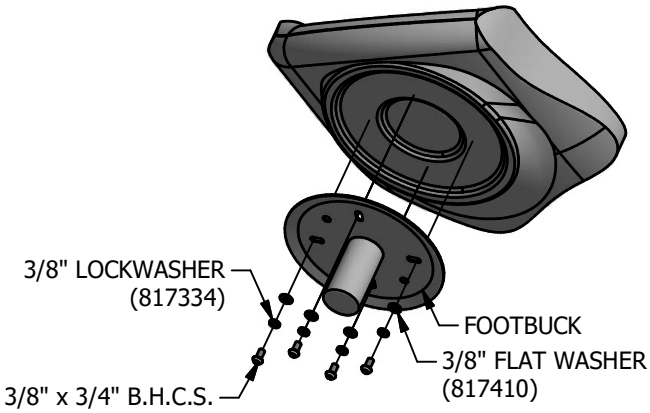
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [4.7 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |
| 2 7/8" [7.3 cm] | 3/8" x 4" HEX HEAD (801015) |




**061**

SOME SLIDES WILL ONLY HAVE TWO BOLTS PER FOOTBUCK CONNECTION




**319**

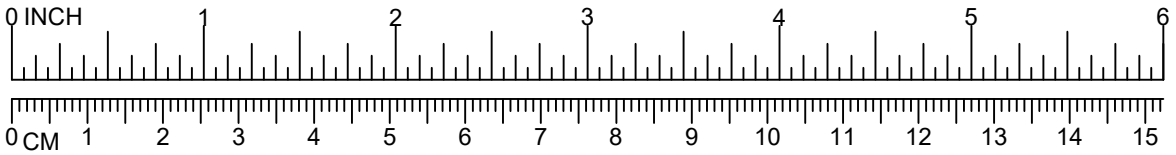
# DETAILS -for-
# 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

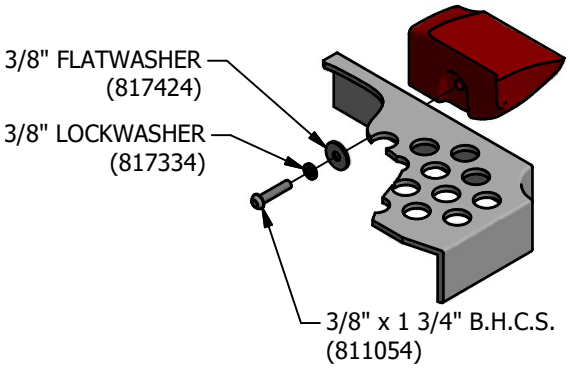
IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

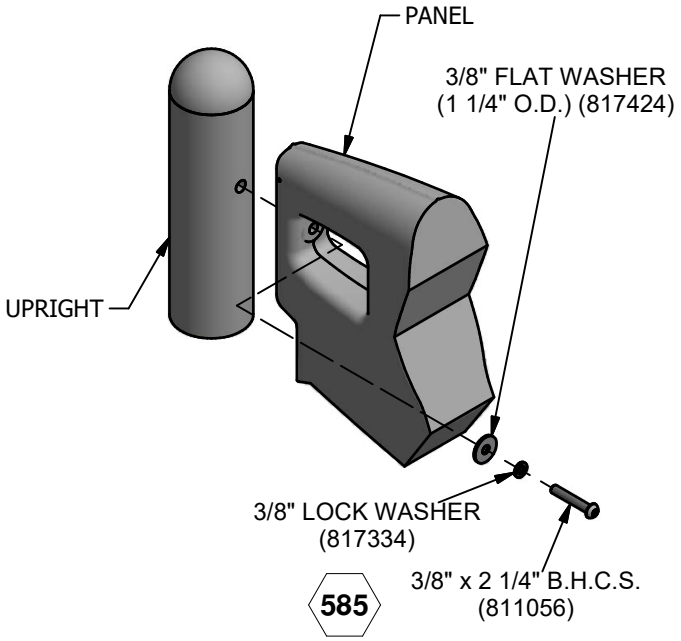
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

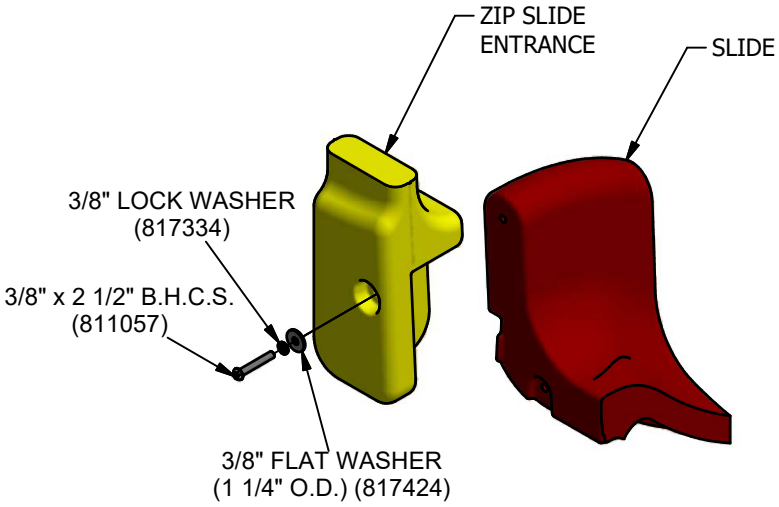


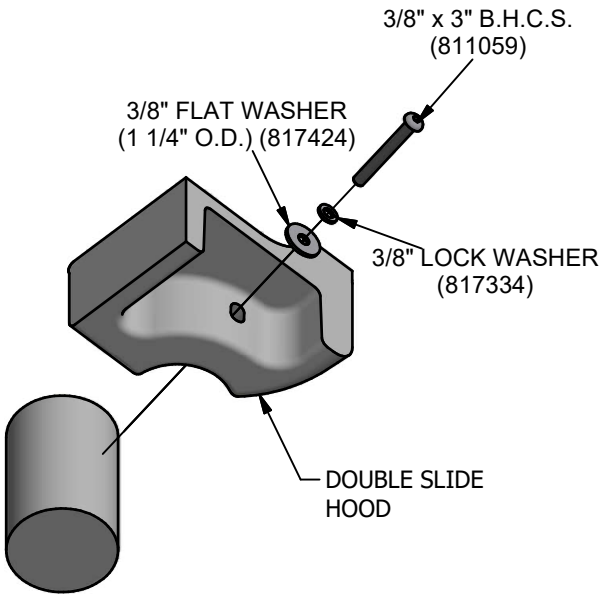

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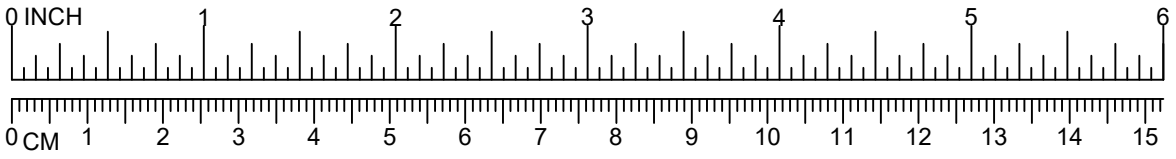
# DETAILS -for-
# 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

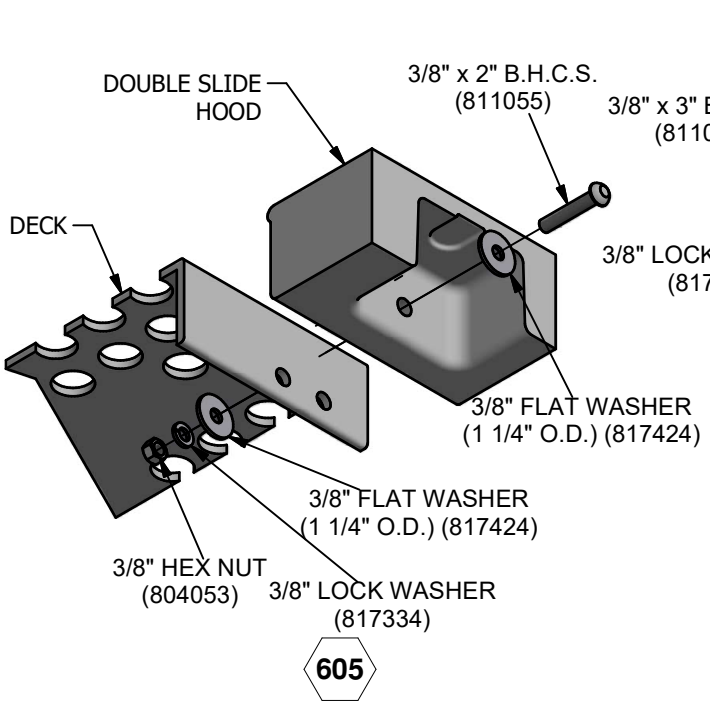
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

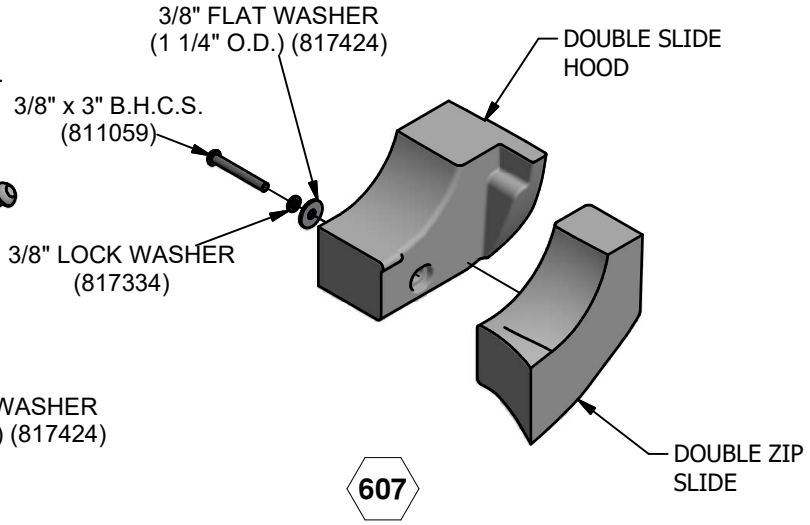
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

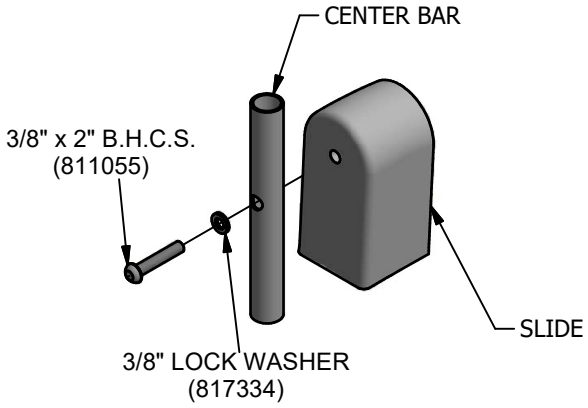


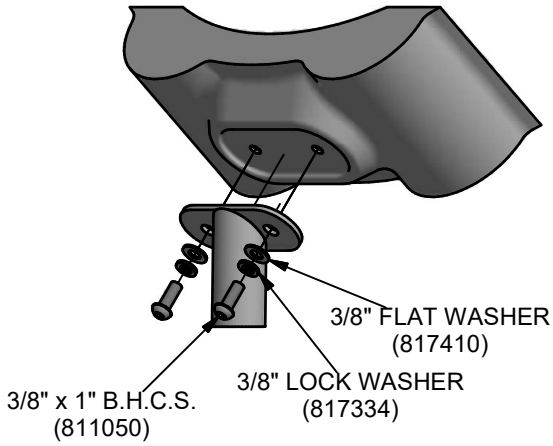

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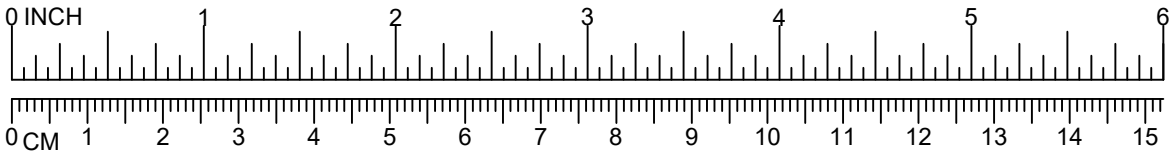
# DETAILS -for-
# 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

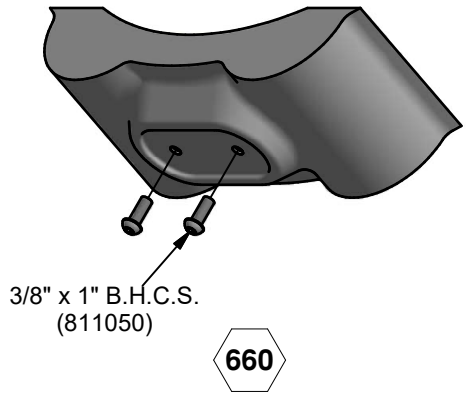
**IMPORTANT**

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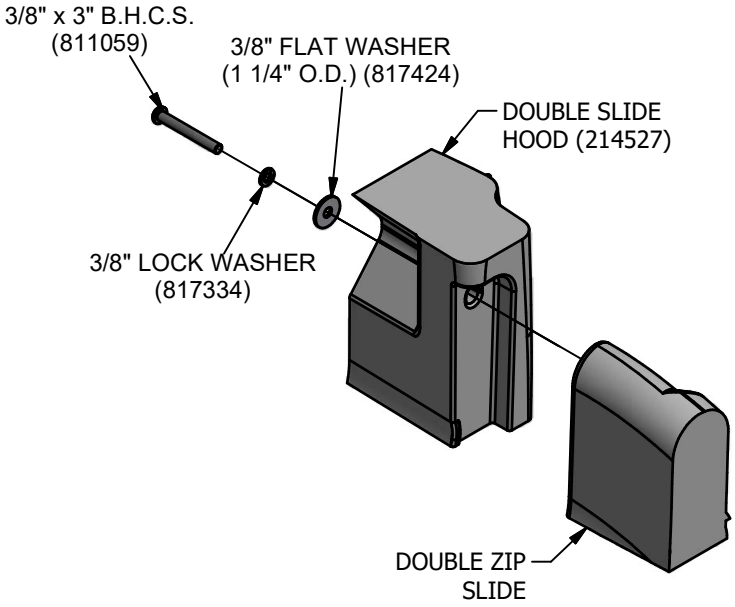
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

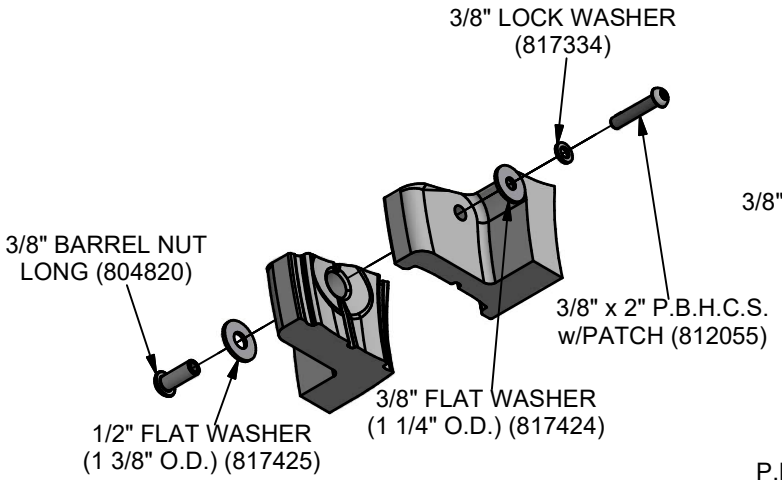



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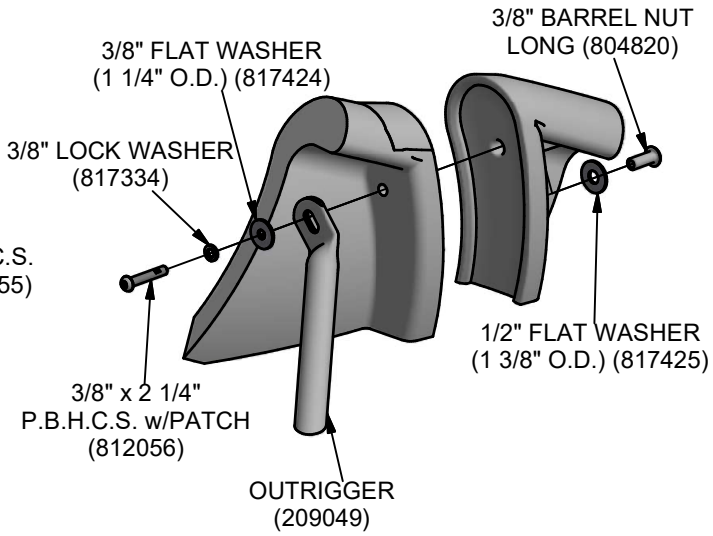



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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE

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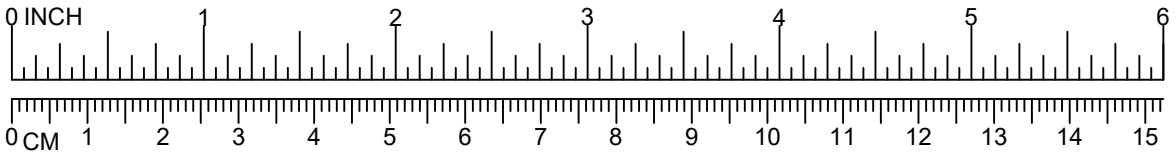
# DETAILS -for-
# 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

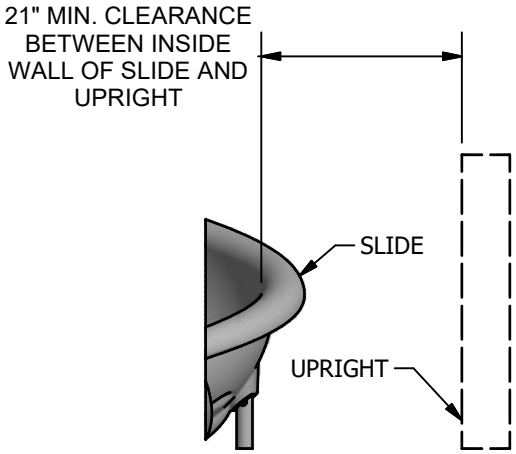
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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ISSUED/REVISED: 2/26/2024

# 19475

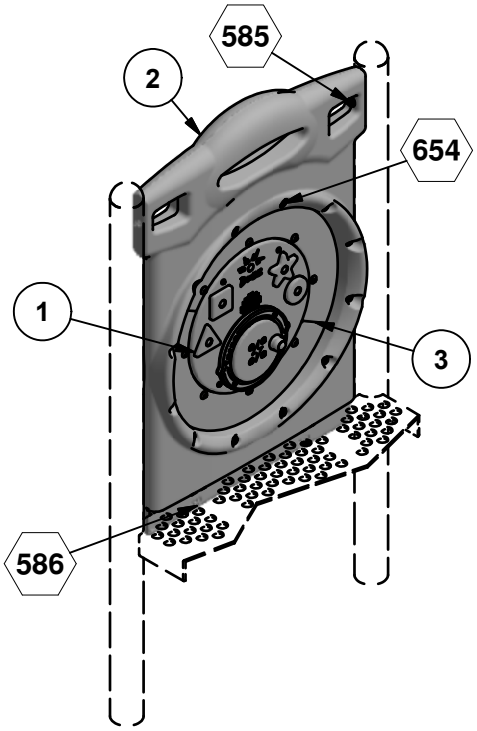
# BUZZ REACTIONS SENSORY PANEL

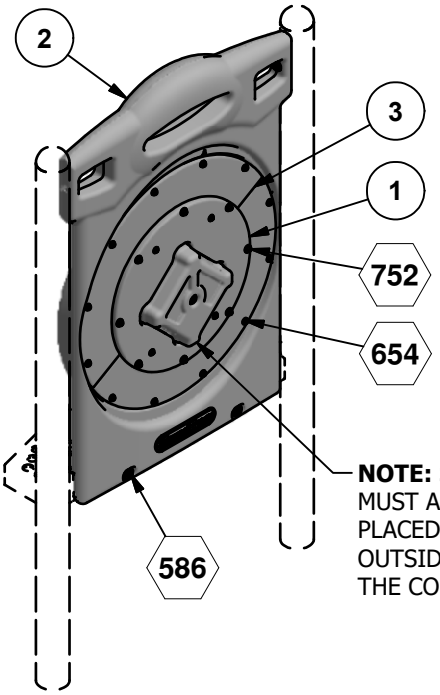
= INSTALLATION DETAIL

= PARTS LIST REFERENCE

| | |
|---|---|
| **BUZZ REACTIONS** | **19475** |
| **POND EXPLORER** | **19476** |
| **SPIN CHIME** | **19477** |



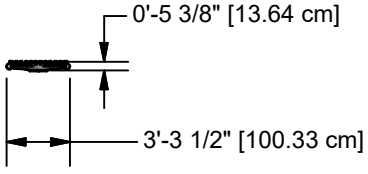

**NOTE:** SENSOR PIECE MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT

## *INSTALLATION INSTRUCTIONS*

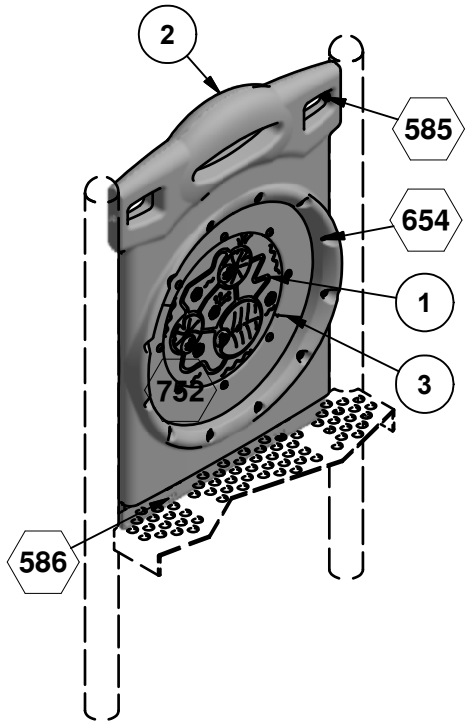
1. BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED ***INSTALLER INSTRUCTIONS*** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.
2. ASSEMBLE PARTS AS SHOWN IN THE ***ASSEMBLY DRAWING***. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

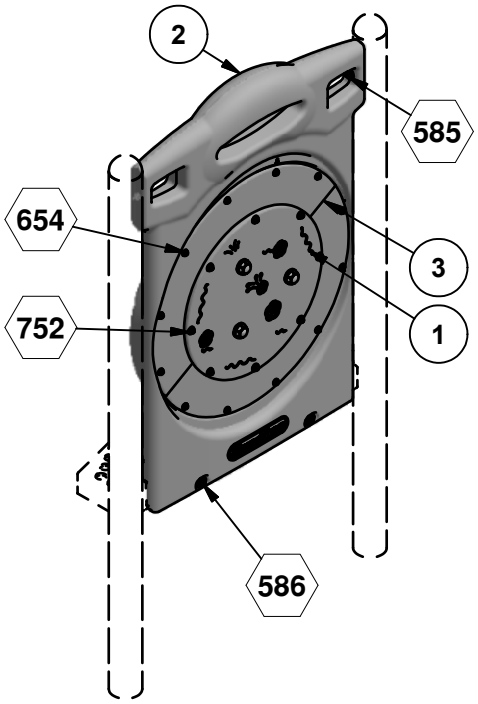
## ***ASSEMBLY DRAWING***

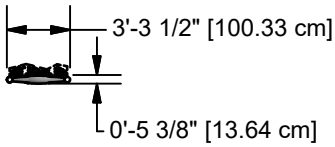
19475 SHOWN




***TOP VIEW***

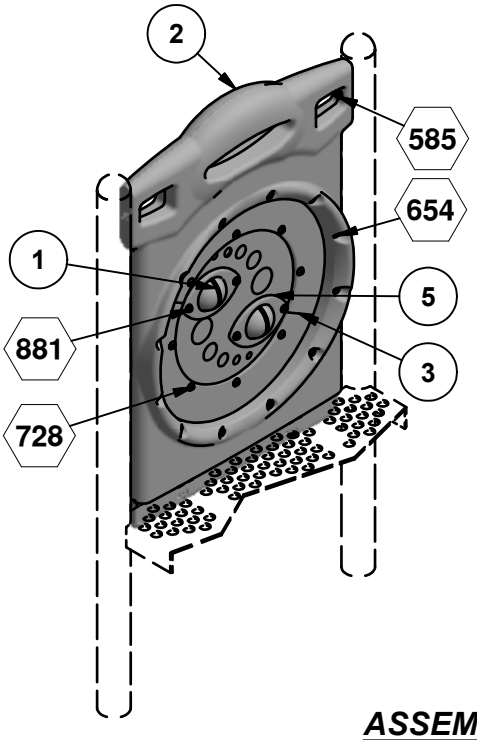


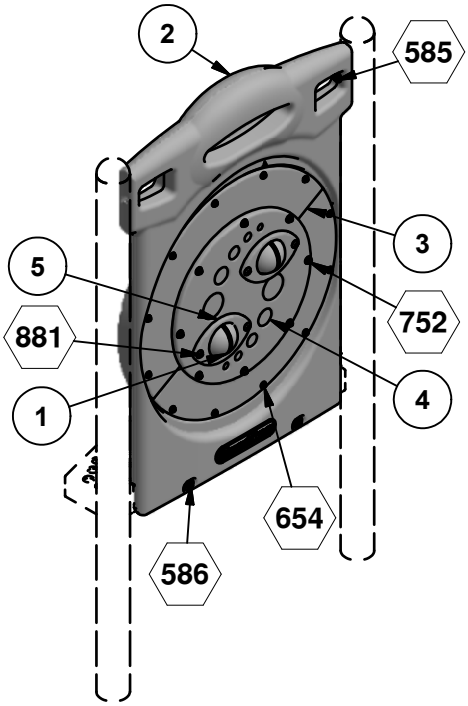



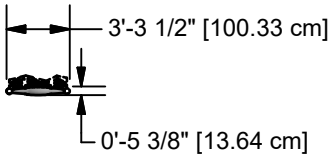

***ASSEMBLY DRAWING***
19476 SHOWN

***TOP VIEW***




***ASSEMBLY DRAWING***
19477 SHOWN




***TOP VIEW***

| Parts List | | | | | |
|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19475 | 19476 | 19477 | PART NUMBER |
| 1 | BUZZ REACTION GAME 20" ROTOGEN | 1 | 0 | 0 | 218227 |
| 1 | POND EXPLORER SENSOR 20" ROTOGEN | 0 | 1 | 0 | 218240 |
| 1 | HDPE PANEL | 0 | 0 | 1 | 212757 |
| 2 | CRAWL TUBE PANEL | 1 | 1 | 1 | 202633 |
| 3 | HDPE HALF RING | 2 | 2 | 2 | 224007 |
| 4 | SPIN CHIME BELL ASS'Y | 0 | 0 | 2 | 213177 |
| 5 | SPIN CHIME COVER | 0 | 0 | 4 | 212756 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 218401 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 218402 |
| | 3/8" x 1" B.H.C.S. | 8 | 8 | 8 | 811050* |
| | 3/8" x 1 1/2" B.H.C.S. | 2 | 2 | 2 | 811053* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 0 | 0 | 4 | 812053* |
| | 3/8" x 2 1/4" B.H.C.S. | 2 | 2 | 2 | 811056* |
| | 3/8" LOCK WASHER | 12 | 12 | 16 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 4 | 817424* |
| | 3/8" FLAT WASHER | 8 | 8 | 12 | 817410* |
| | 3/8" T-NUT | 2 | 2 | 2 | 804556* |
| | 3/8" BARREL NUT | 8 | 8 | 12 | 804804* |
| | 5/16" x 2" B.H.C.S. | 12 | 12 | 12 | 811046* |
| | 5/16" LOCK WASHER | 12 | 12 | 12 | 817330* |
| | 5/16" FLAT WASHER (11/16" O.D.) | 12 | 12 | 12 | 817406* |
| | 5/16" T-NUT | 12 | 12 | 12 | 804555* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

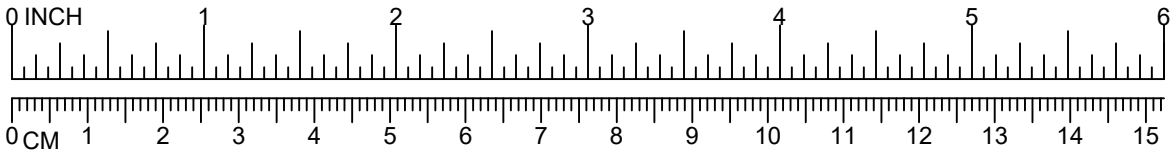
# DETAILS -for-
# 19475

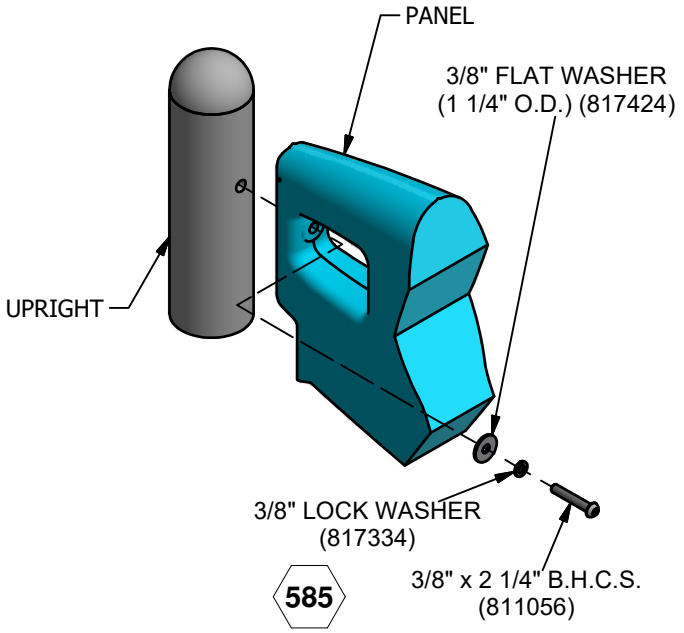
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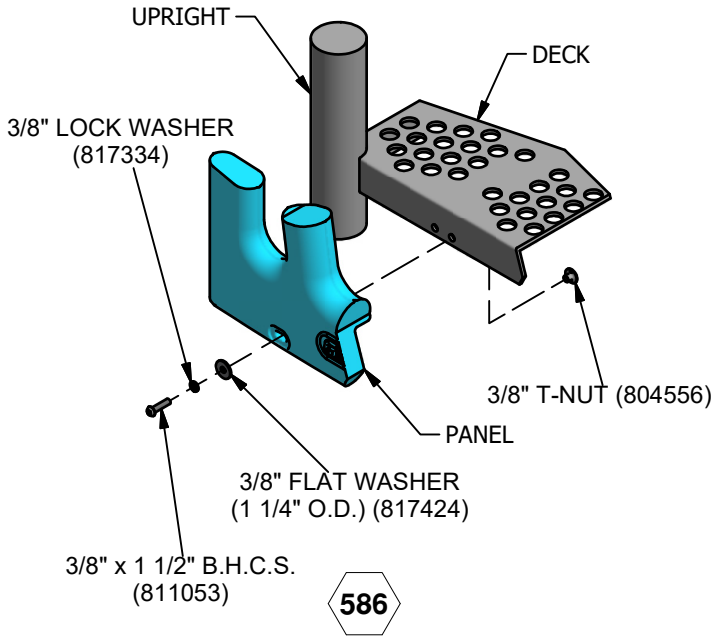
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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

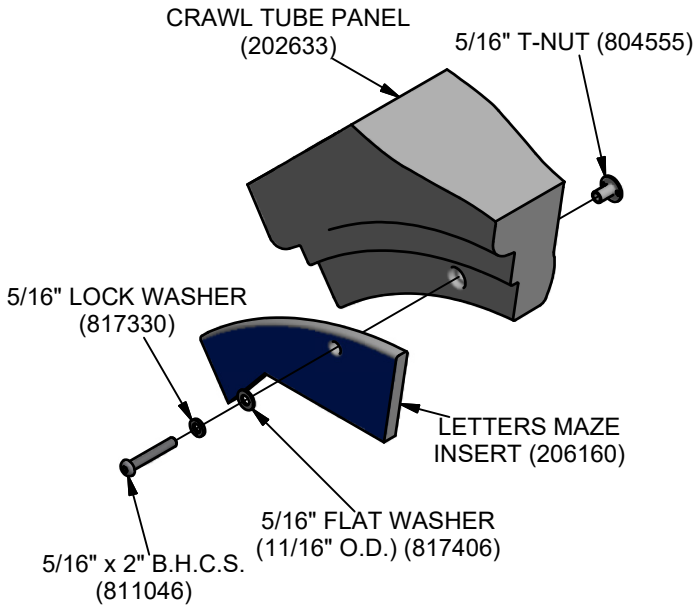


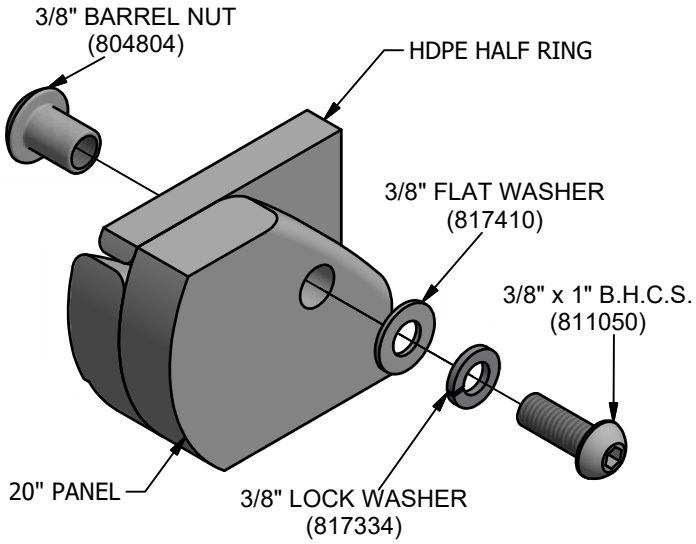

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**NOTE:** SENSOR PIECE MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT

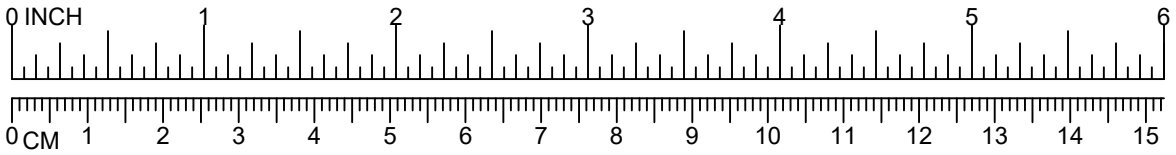
# DETAILS -for-
# 19475

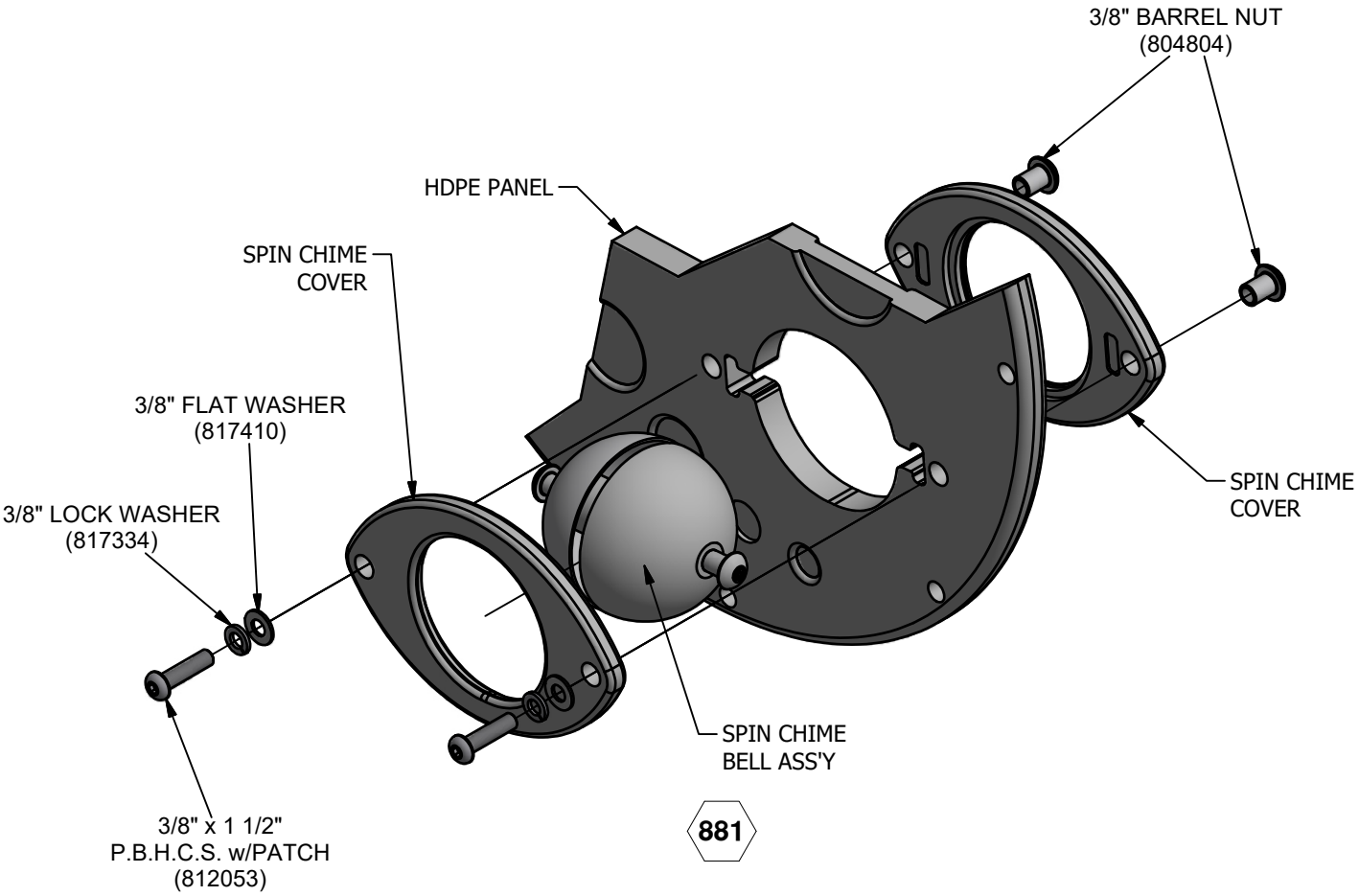
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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**ISSUED/REVISED: 3/4/19**

# 19767 EDGE CLIMBER SMALL

| | |
|---|---|
| 2'-0", 2'-6", 3'-0" | 19767 |
| 3'-6", 4'-0" | 19768 |
| 4'-6", 5'-0", 5'-6" | 19769 |
| 6'-0" | 19778 |

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE



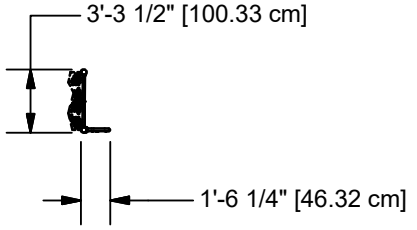

**19767 ONLY**



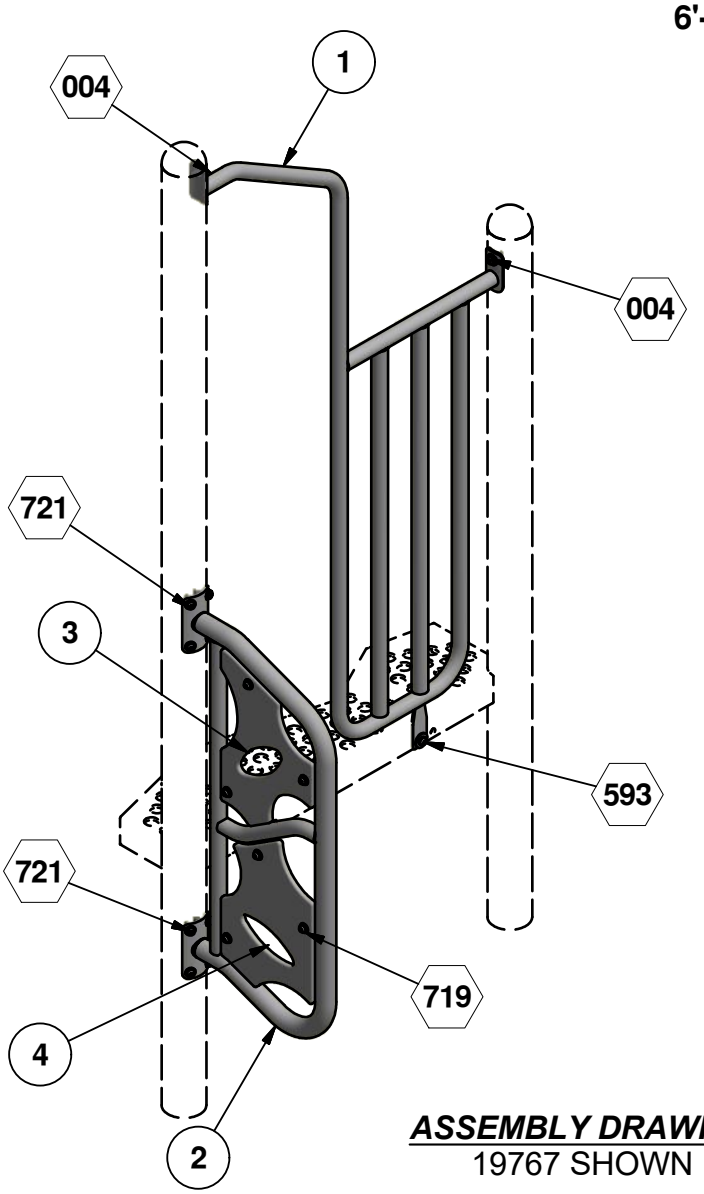

**19768, 19769, 19778**

## *INSTALLATION INSTRUCTIONS*

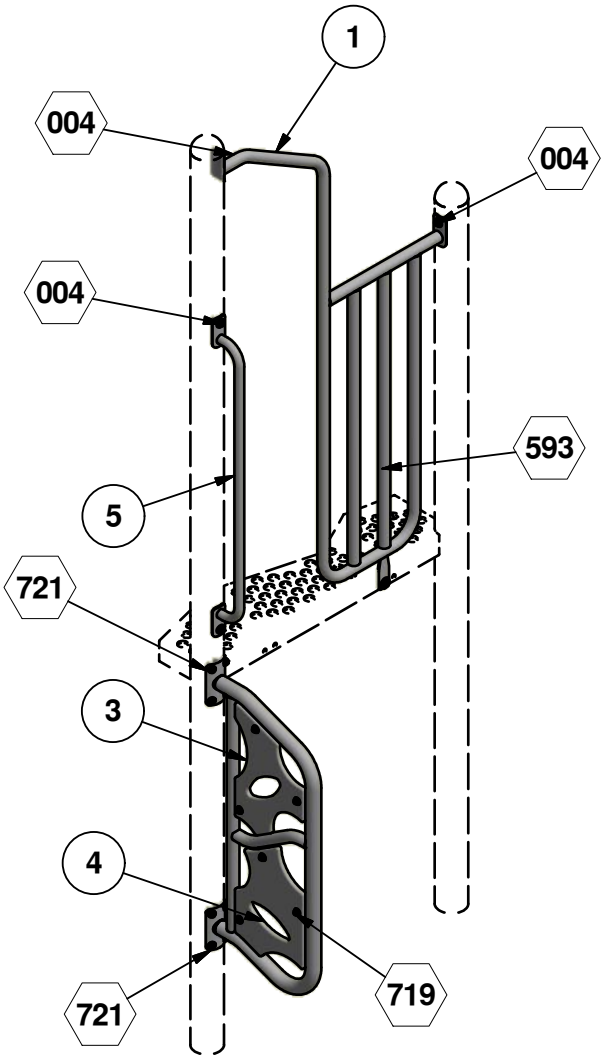
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.



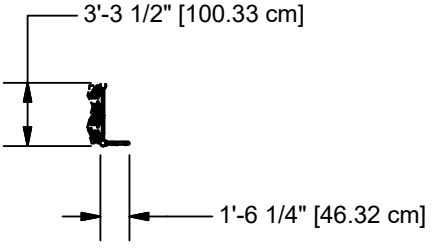

***TOP VIEW***
19767 SHOWN



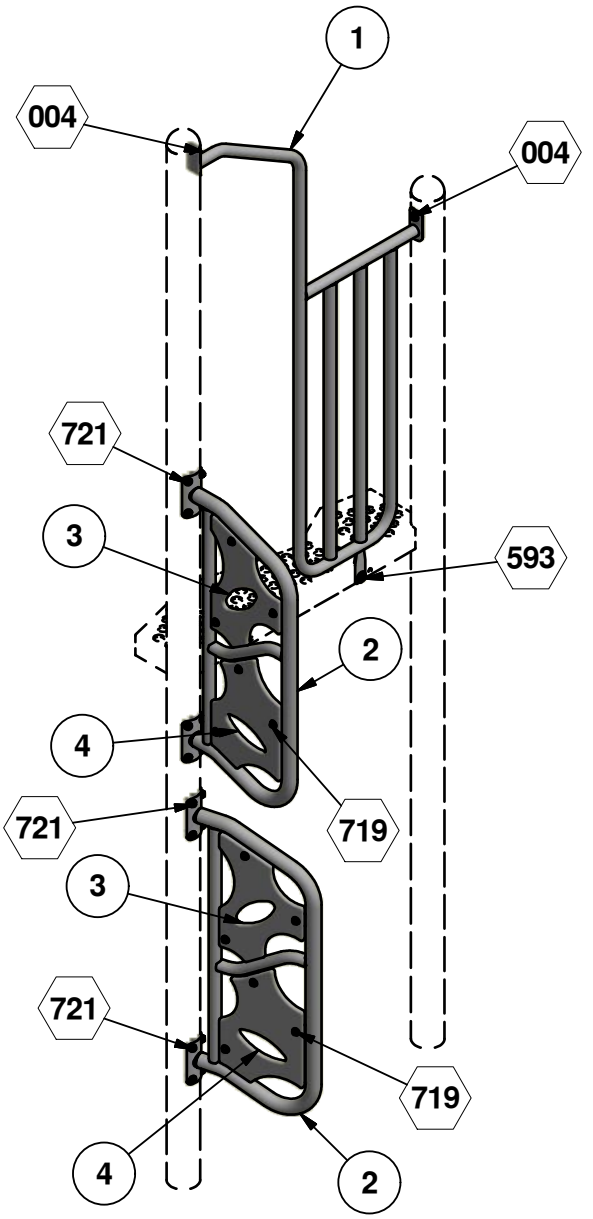

***ASSEMBLY DRAWING***
19767 SHOWN

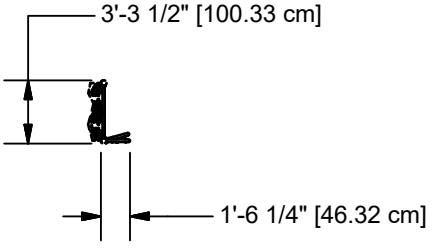



***ASSEMBLY DRAWING***
19768 SHOWN



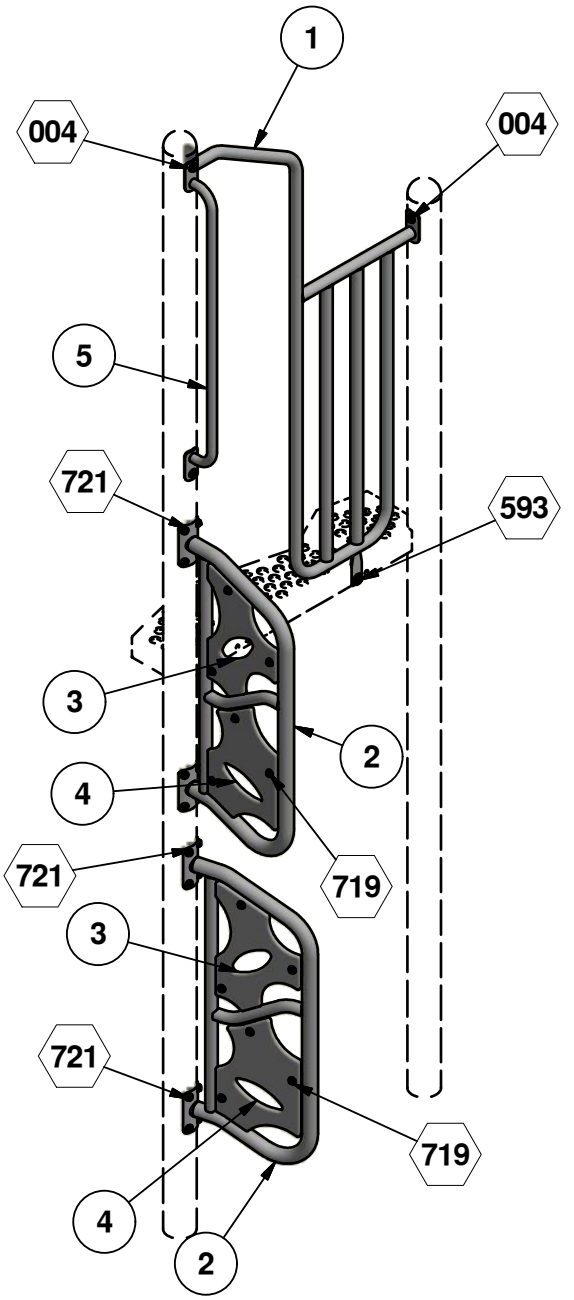

***TOP VIEW***
19768 SHOWN



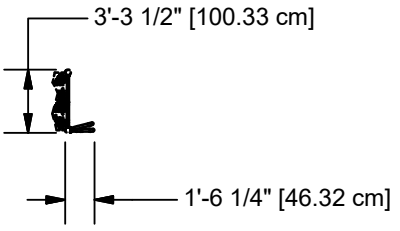




***TOP VIEW***
19769 SHOWN

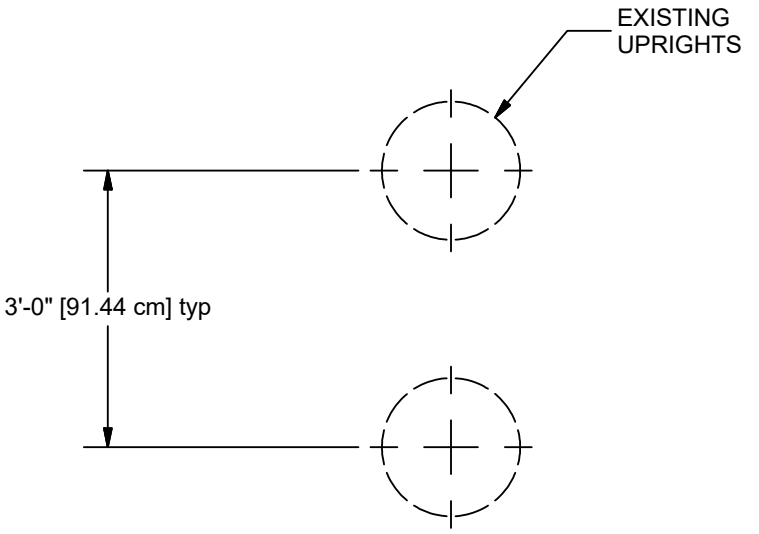
***ASSEMBLY DRAWING***
19769 SHOWN




***ASSEMBLY DRAWING***
19778 SHOWN




***TOP VIEW***
19778 SHOWN




***GROUND PLAN***

| Parts List | | | | | | |
|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 19767 | 19768 | 19769 | 19778 | PART NUMBER |
| 1 | OFFSET ARCHWAY WELD ASS'Y | 1 | 1 | 1 | 1 | 202803 |
| 2 | ATTACHMENT WELD ASS'Y | 1 | 1 | 2 | 2 | 213621 |
| 3 | SMALL HDPE PANEL 1 | 1 | 1 | 2 | 2 | 213624 |
| 4 | SMALL HDPE PANEL 2 | 1 | 1 | 2 | 2 | 213625 |
| 5 | HANDHOLD ASS'Y | 0 | 1 | 0 | 1 | 151345 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 213775 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 213776 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 213777 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 213778 |
| | 3/8" x 3/4" B.H.C.S. | 7 | 7 | 13 | 13 | 811052* |
| | 3/8" BARREL NUT | 6 | 6 | 12 | 12 | 804804* |
| | 3/8" x 1 1/4" B.H.C.S. | 10 | 12 | 18 | 20 | 811051* |
| | 3/8" FLAT WASHER | 16 | 18 | 30 | 32 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 1 | 1 | 1 | 1 | 817424* |
| | 3/8" LOCK WASHER | 17 | 19 | 31 | 33 | 817334* |
| | 3/8" T-NUT | 1 | 1 | 1 | 1 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

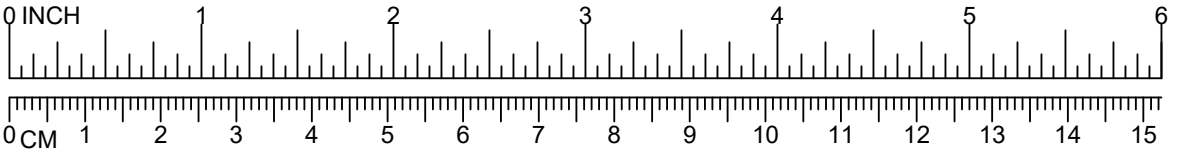
# DETAILS -for-
# 19767, 19768, 19769 & 19778

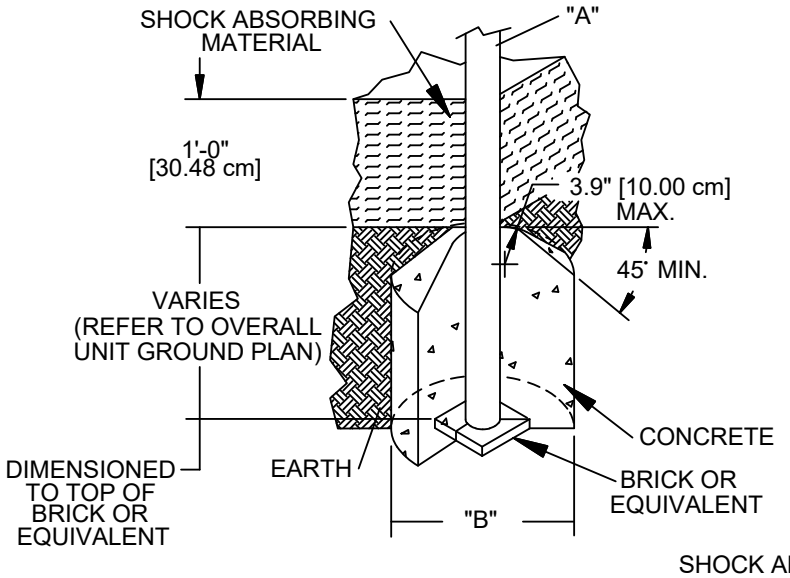
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



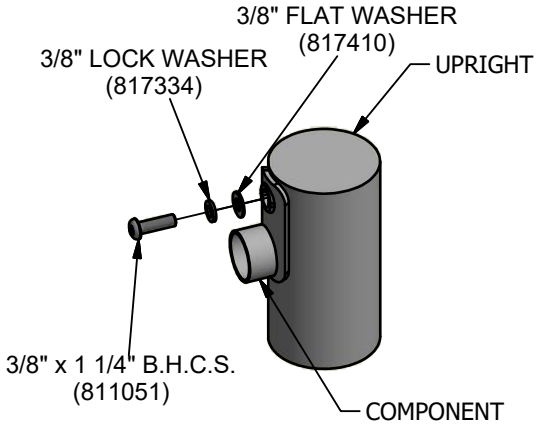




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| ARCH SWING | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |

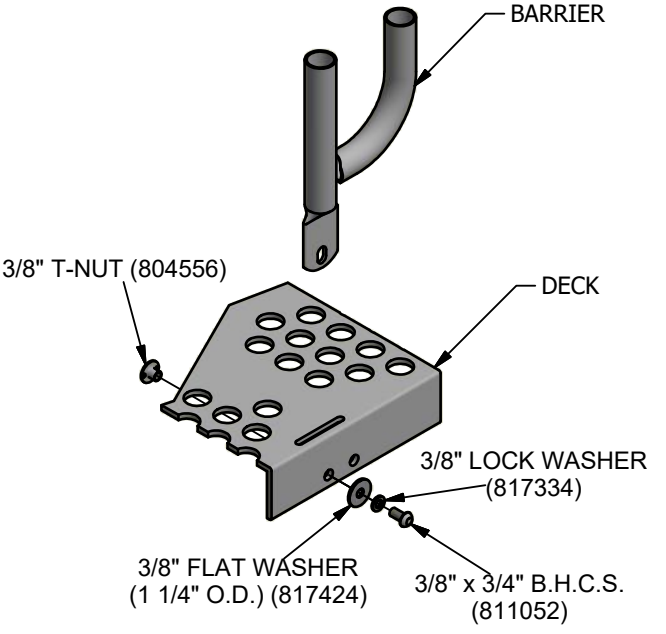
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




004




593

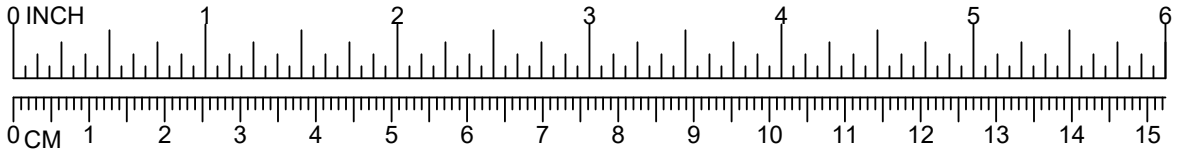
# DETAILS -for-
# 19767, 19768, 19769 & 19778

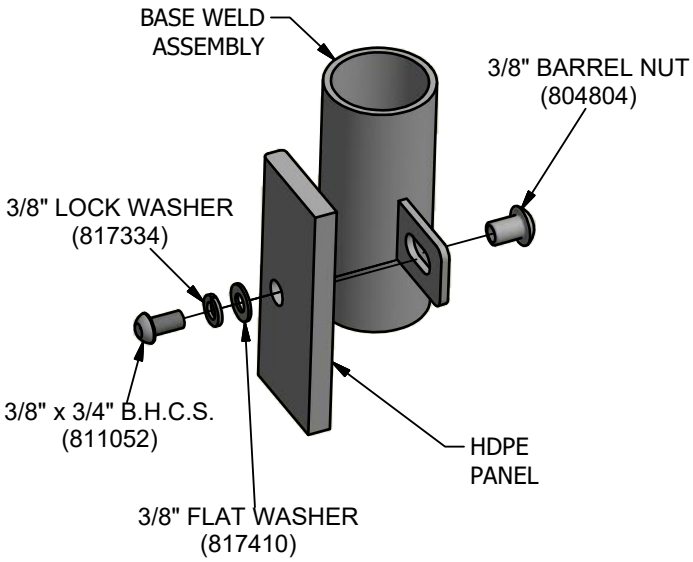
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

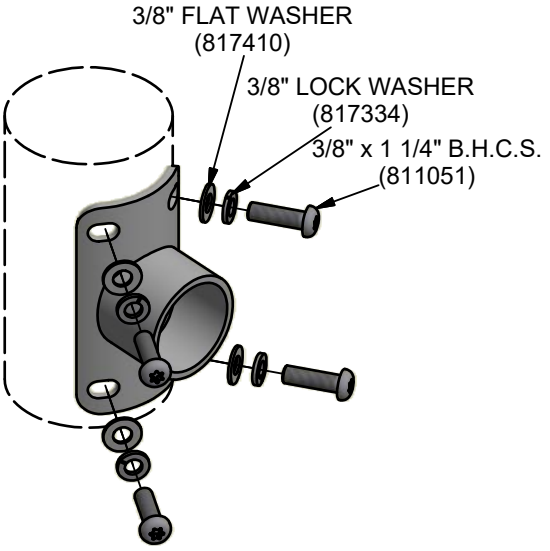
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




719




721

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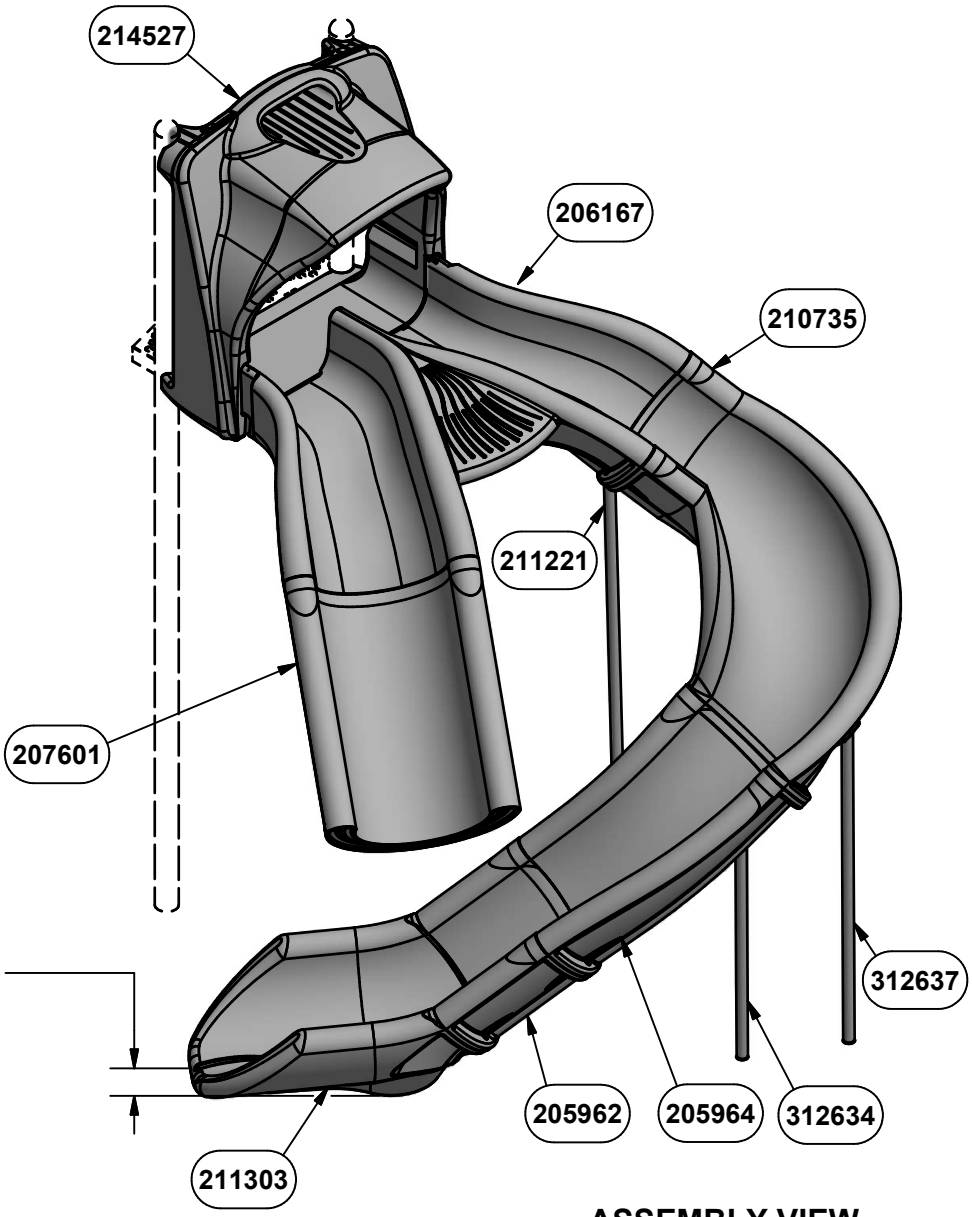
ISSUED/REVISED: 5/1/2024

# 19801

# WILDERSLIDE II OVER 'N UNDER

This play equipment is designed for CHILDREN 5 TO 12 YEARS OLD Adult supervision is recommended

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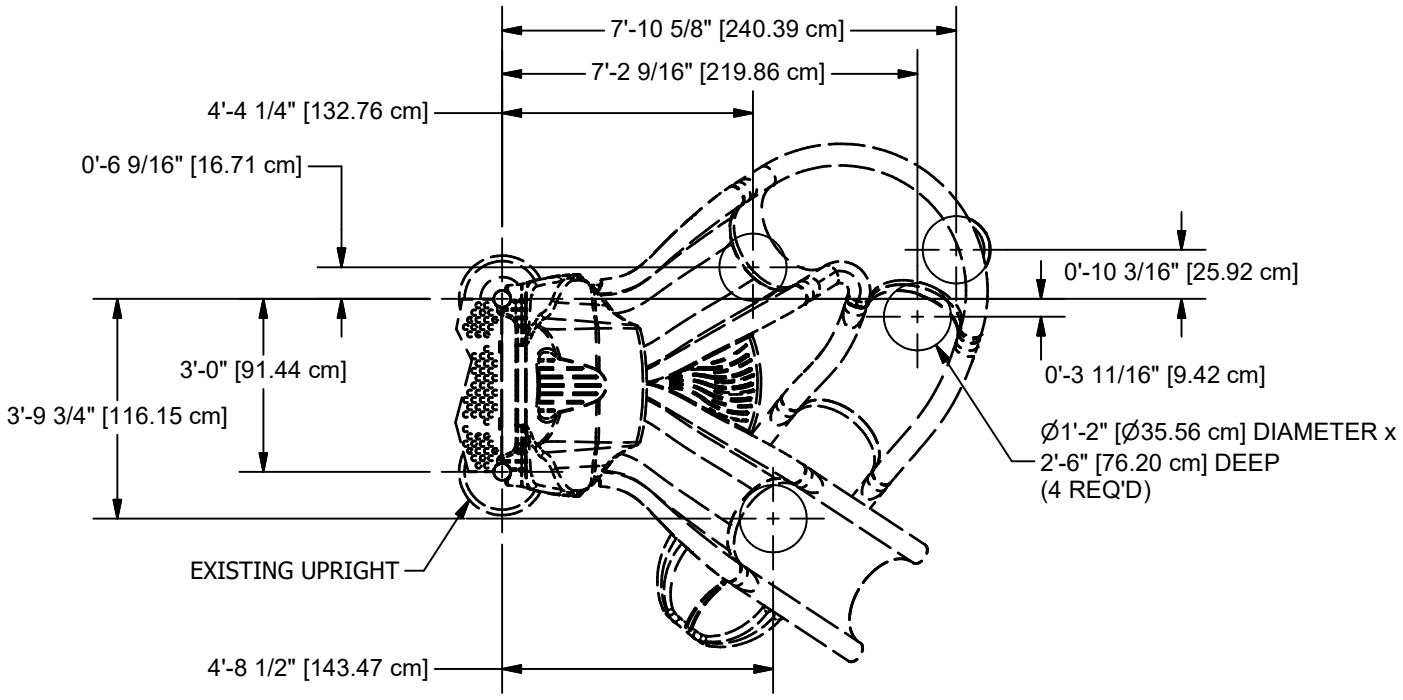

**ASSEMBLY VIEW**

**NOTE:** CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS APPLIED

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

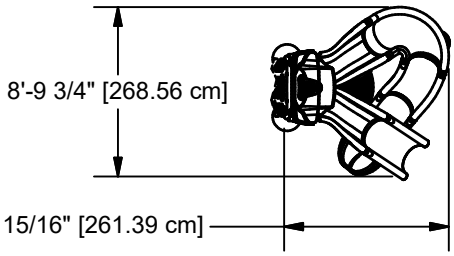
| EXIT HEIGHT CHART | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |



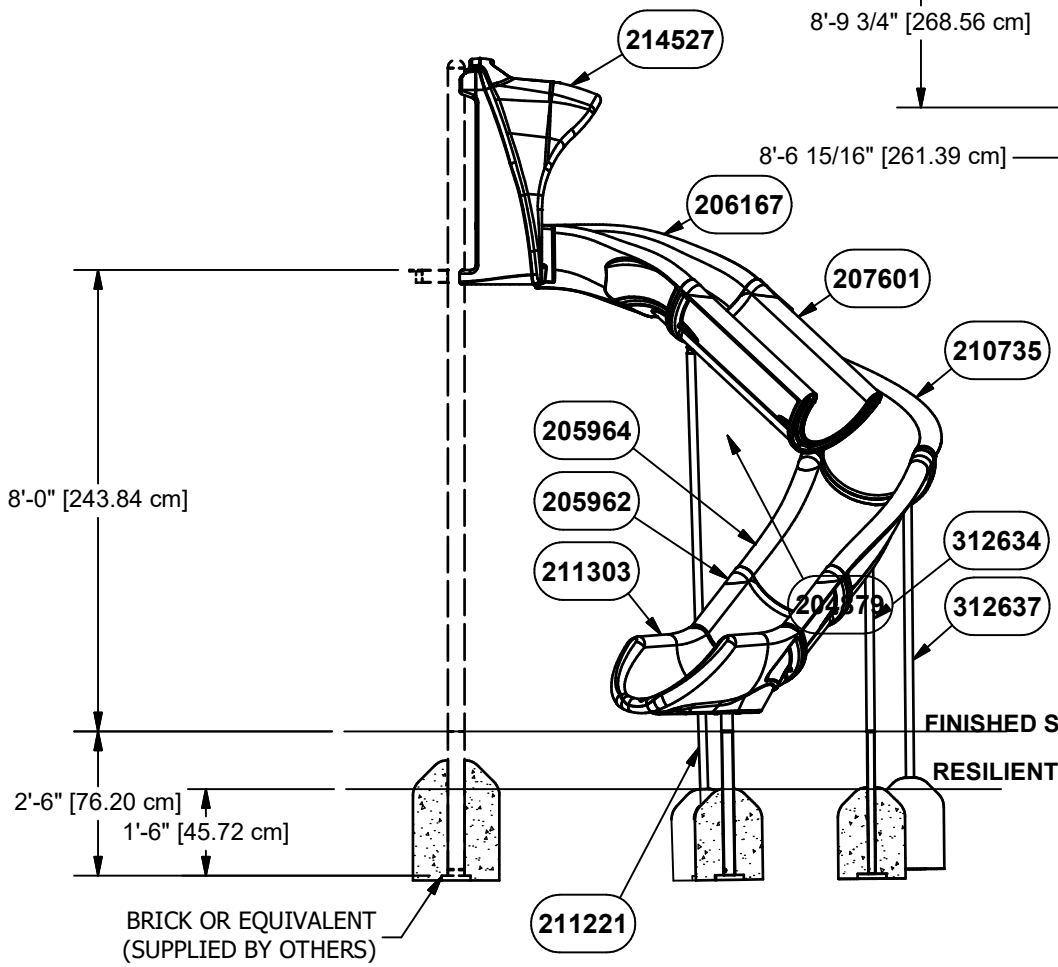

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED:**
.24 CUBIC YARDS
[.18 CUBIC METERS]

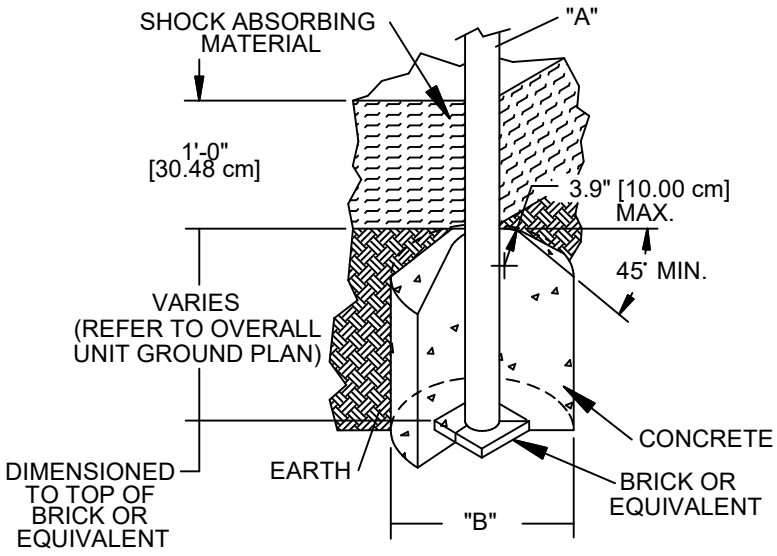
## PLAN VIEW




## TOP VIEW




## ELEVATION VIEW




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL

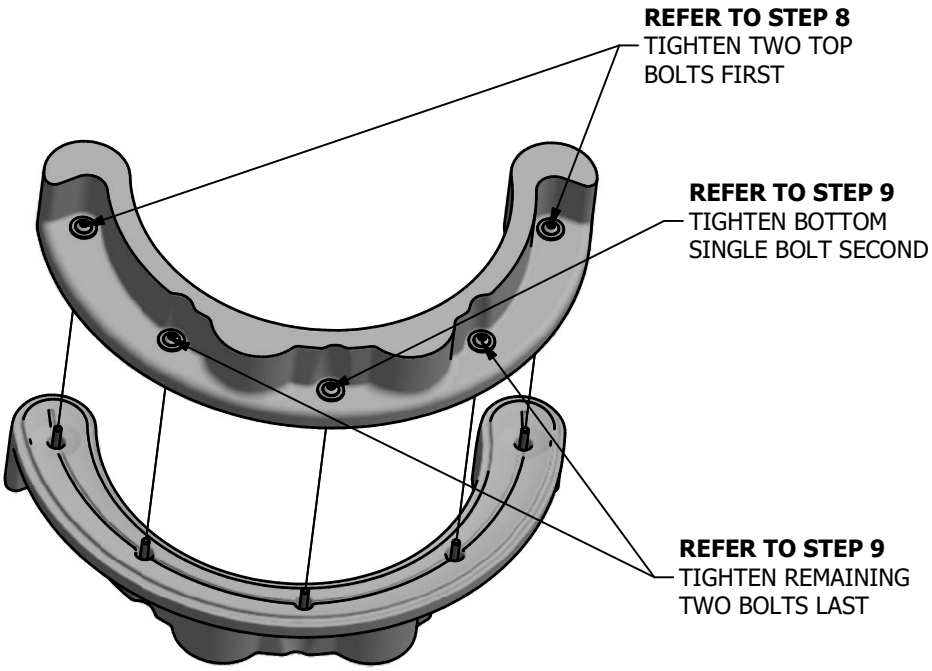



**FIGURE #1**

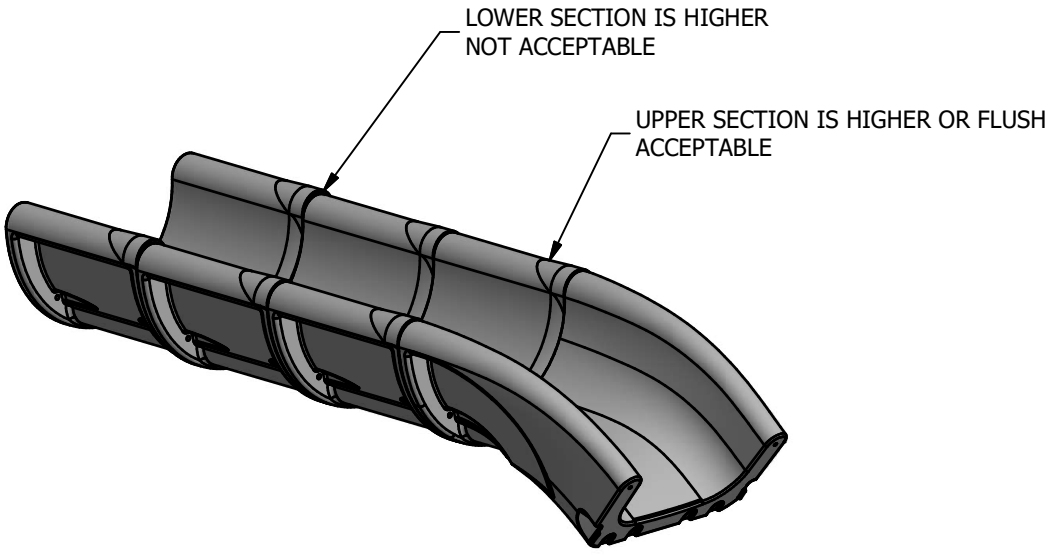
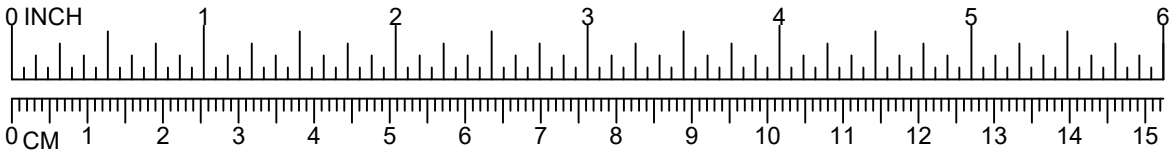
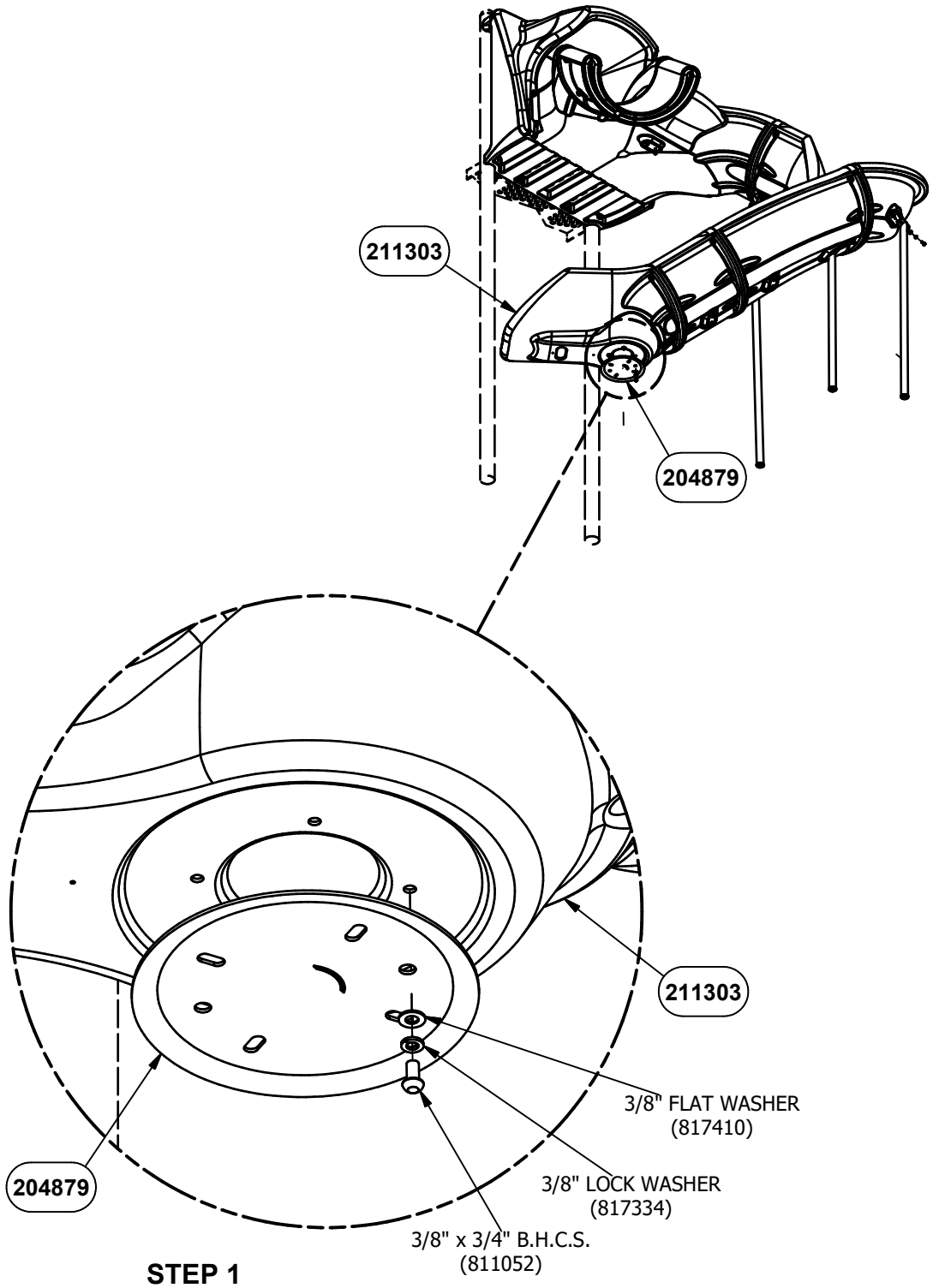



**FIGURE #2**

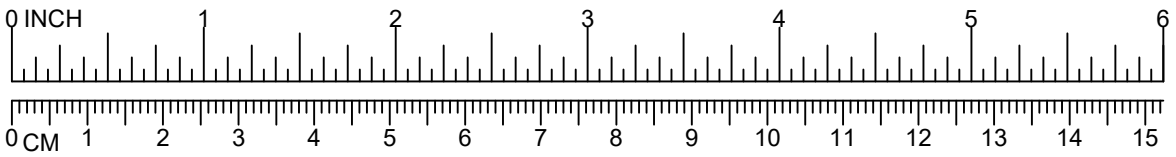


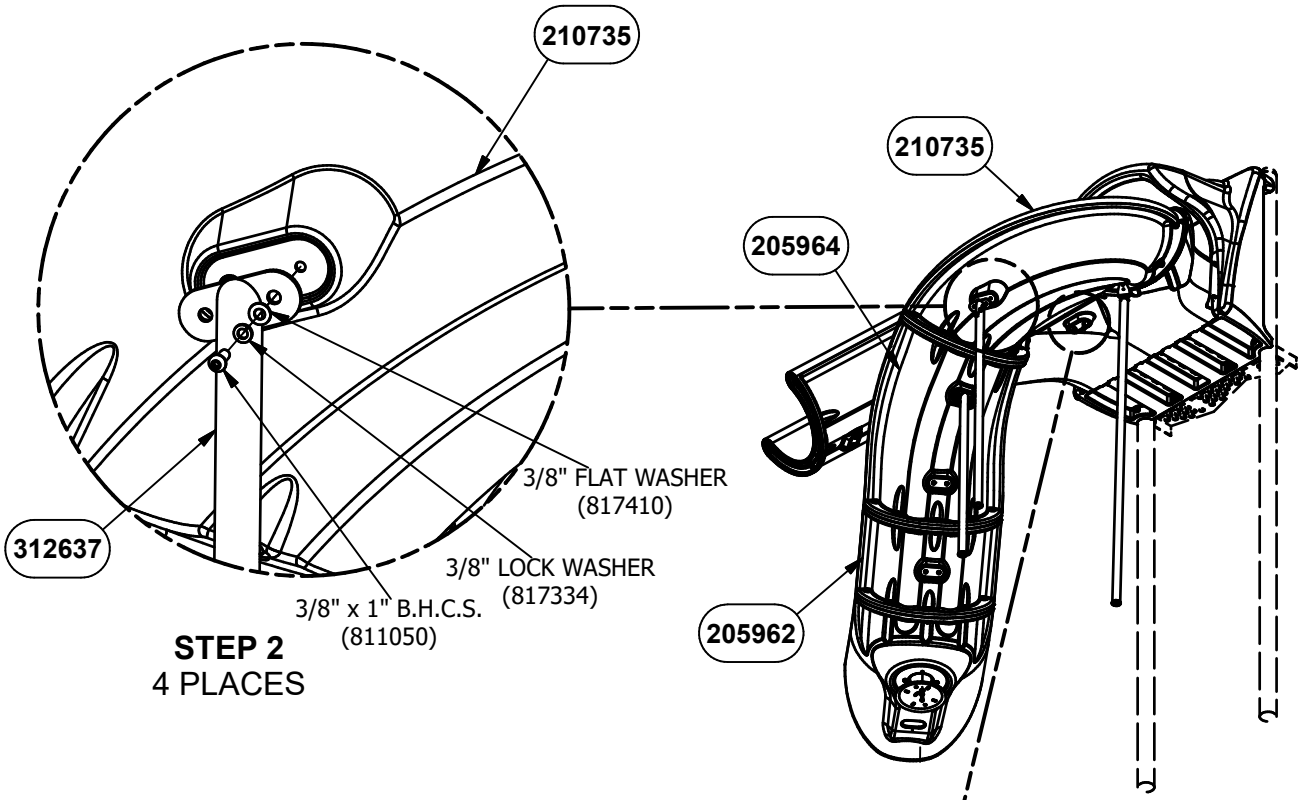




**STEP 1**
4 PLACES

**DETAIL VIEW**

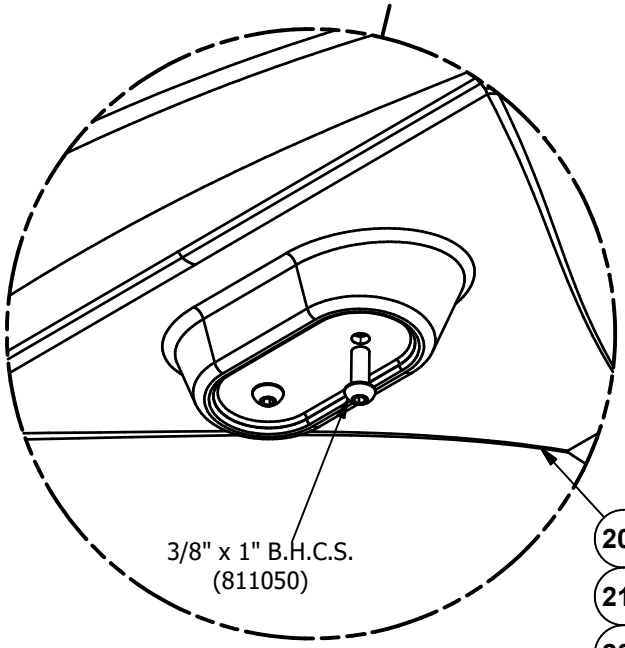
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**STEP 2**
4 PLACES

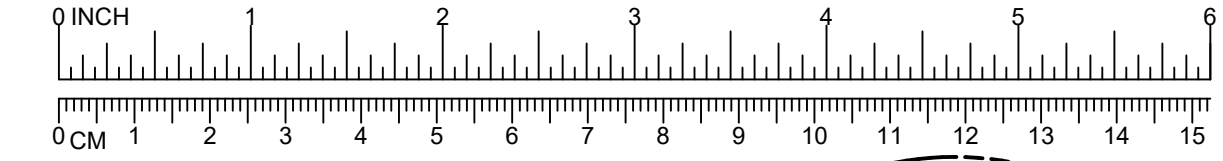
**REFER TO ASSEMBLY VIEWS FOR PROPER SLIDE SECTION PLACEMENT**

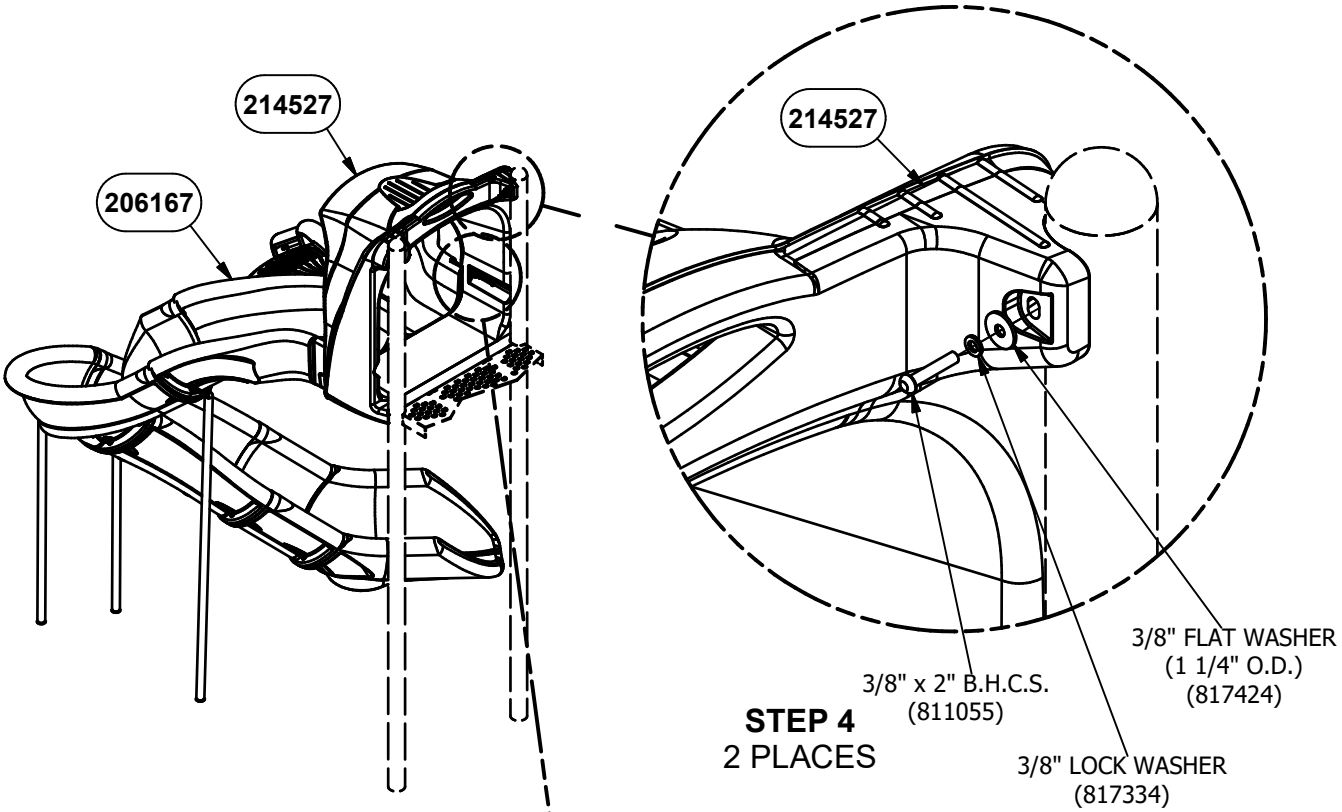



**STEP 3**
10 PLACES

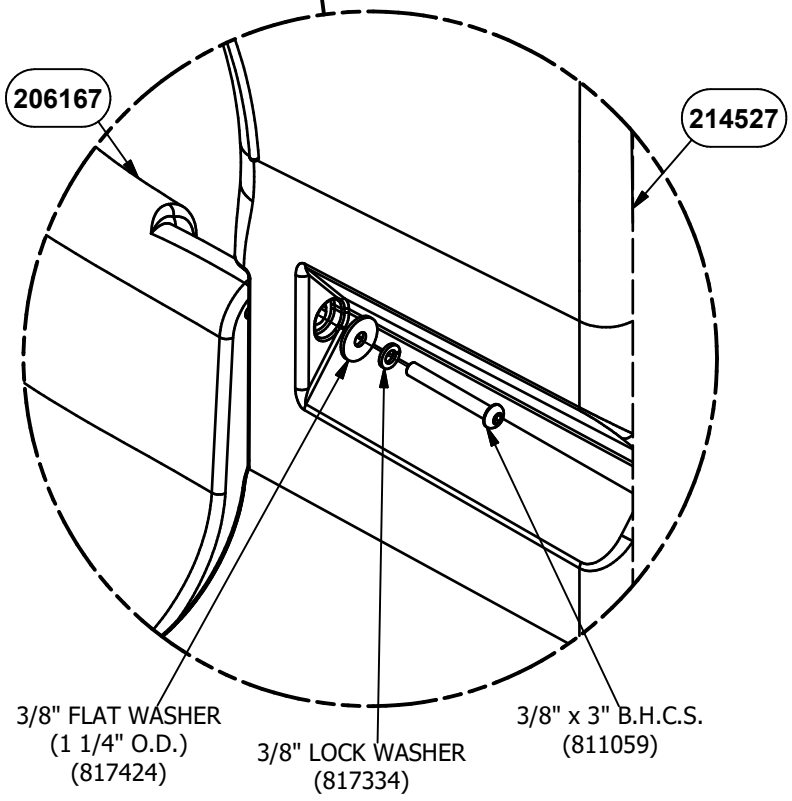
**DETAIL VIEW**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



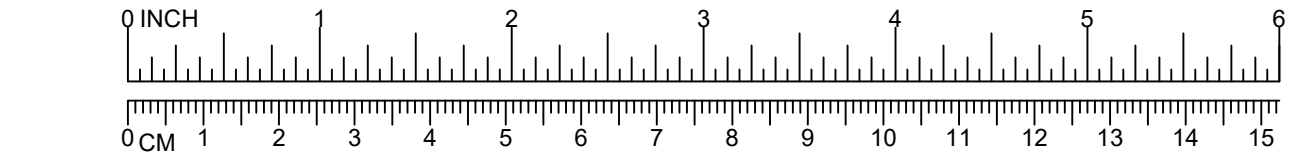

**STEP 4**
2 PLACES

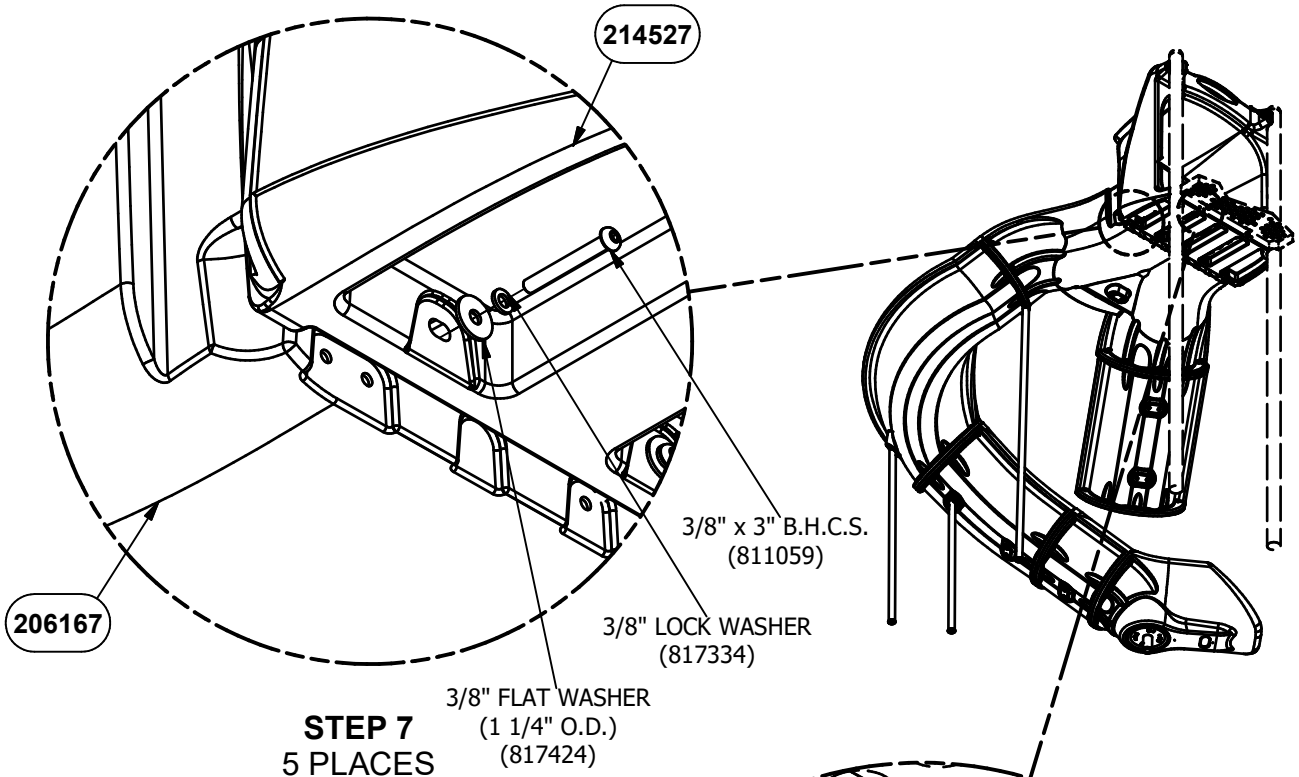



**STEP 5**
2 PLACES

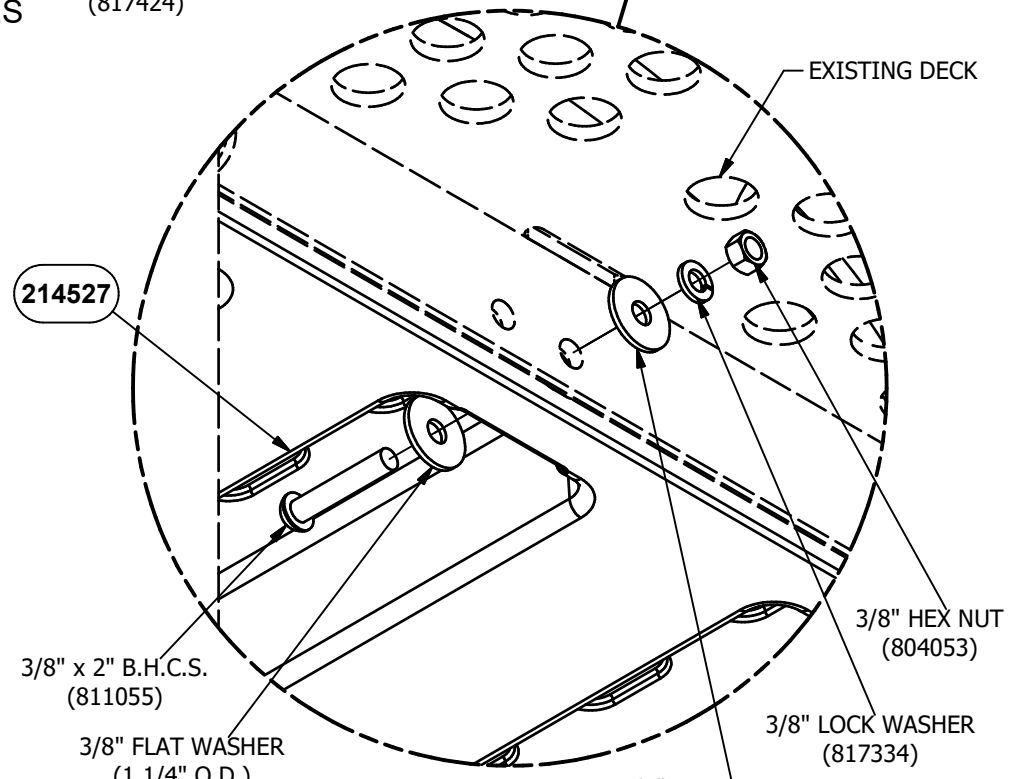
**DETAIL VIEW**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



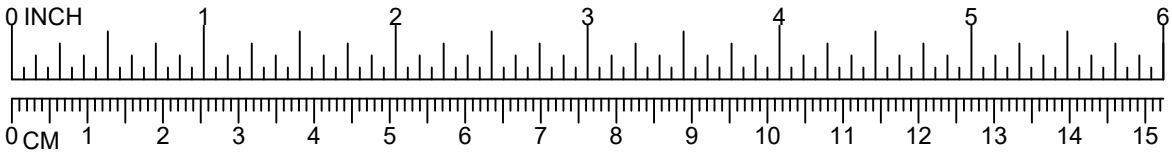

**STEP 7**
5 PLACES

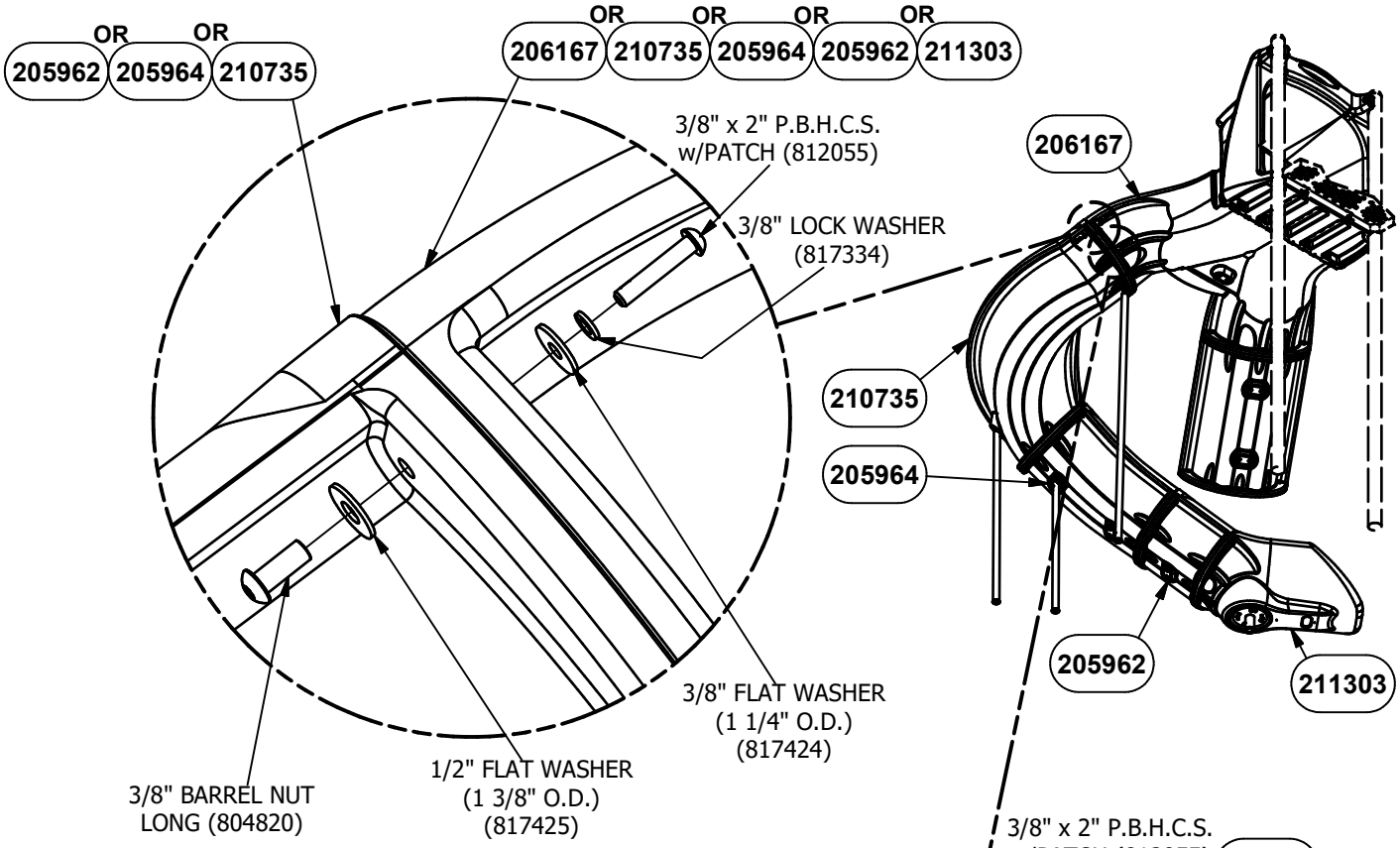



**STEP 6**
2 PLACES

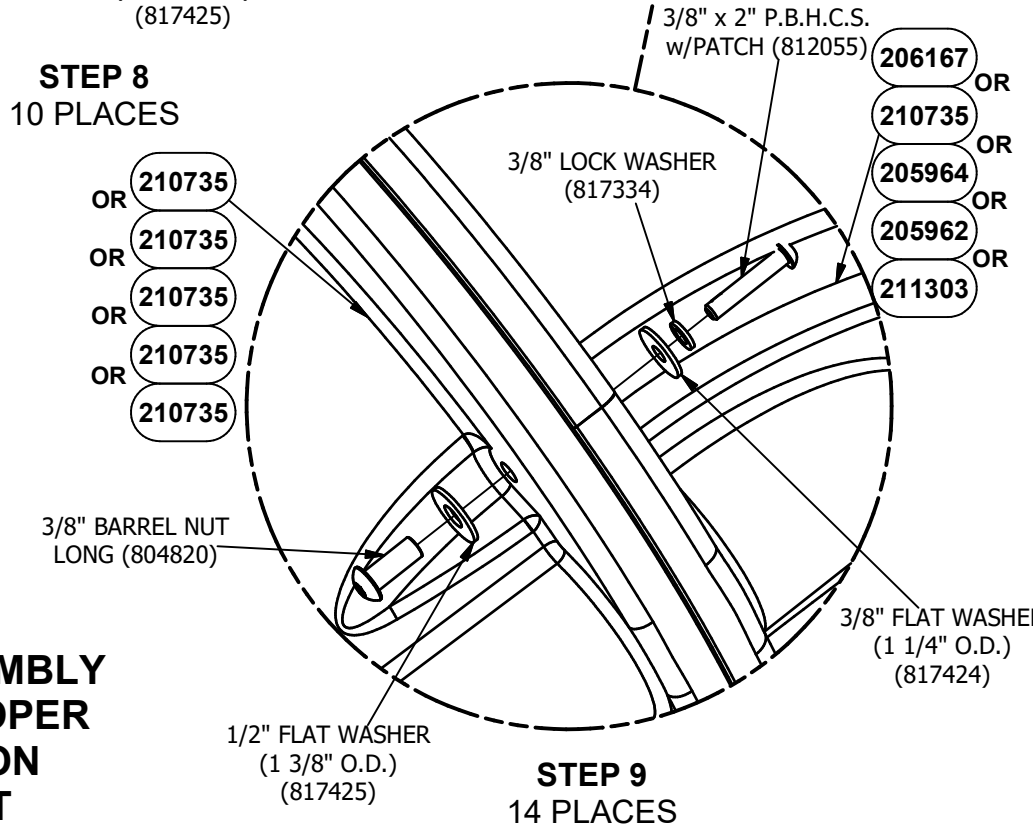
## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**STEP 8**
10 PLACES



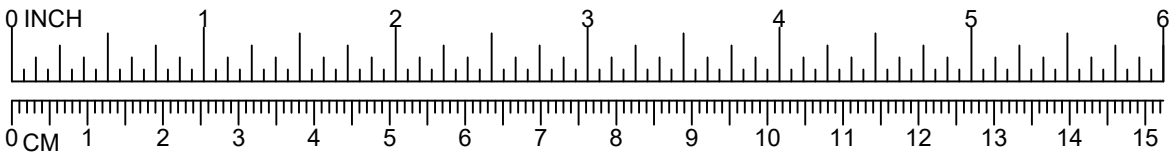

**STEP 9**
14 PLACES

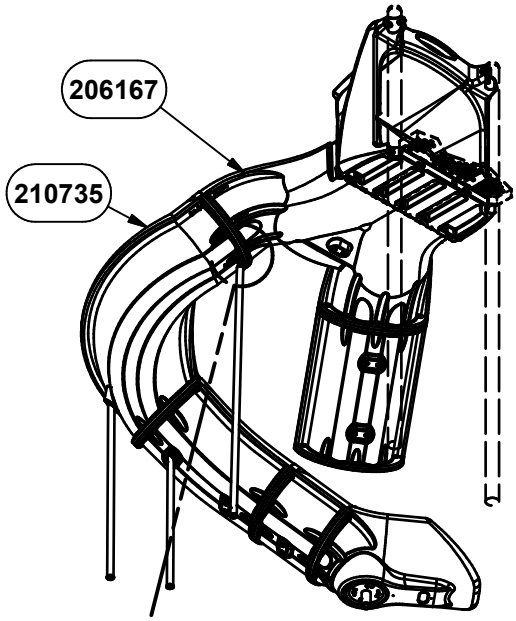
**REFER TO FIGURE #1 PAGE 4**

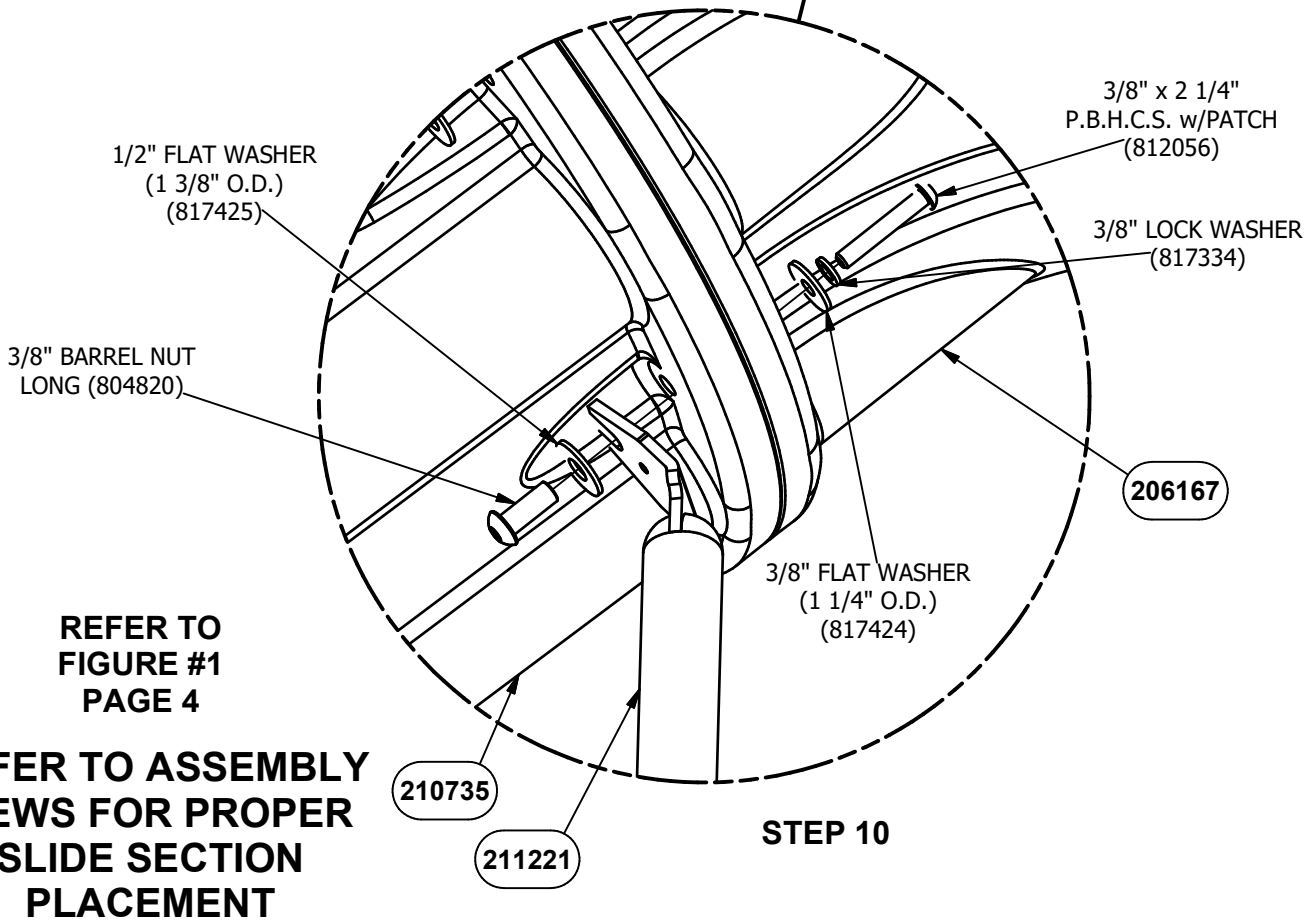
**REFER TO ASSEMBLY VIEWS FOR PROPER SLIDE SECTION PLACEMENT**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW




**REFER TO FIGURE #1 PAGE 4**

**REFER TO ASSEMBLY VIEWS FOR PROPER SLIDE SECTION PLACEMENT**

**STEP 10**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| DOUBLE SLIDE HOOD | 1 | 214527 |
| DOUBLE ENTRANCE SECTION | 1 | 206167 |
| DOUBLE STRAIGHT SECTION | 1 | 207601 |
| STRAIGHT SECTION | 1 | 205962 |
| HELIX SPIRAL 140 DEGREES | 1 | 210735 |
| CURVED RIGHT SECTION | 1 | 205964 |
| EXIT SECTION | 1 | 211303 |
| SUPPORT ASS'Y 1 | 1 | 312634 |
| SUPPORT ASS'Y 2 | 1 | 312637 |
| FOOTBUCK WELD ASS'Y | 1 | 204879 |
| OVER AND UNDER SLIDE SUPPORT | 1 | 211221 |
| **HARDWARE COMPLETE** | 1 | 223380 |
| 3/8" x 3/4" B.H.C.S. | 4 | 811052* |
| 3/8" x 1" B.H.C.S. | 14 | 811050* |
| 3/8" x 2" B.H.C.S. | 4 | 811055* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 24 | 812055* |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 1 | 812056* |
| 3/8" x 3" B.H.C.S. | 8 | 811059* |
| 3/8" LOCK WASHER | 45 | 817334* |
| 3/8" FLAT WASHER | 8 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 40 | 817424* |
| 3/8" HEX NUT | 2 | 804053* |
| 3/8" BARREL NUT LONG | 25 | 804820* |
| 1/2" FLAT WASHER (1 3/8" O.D.) | 26 | 817425* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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**ISSUED/REVISED: 4/29/2020**

# 19825

# DUNUN DRUM PANEL



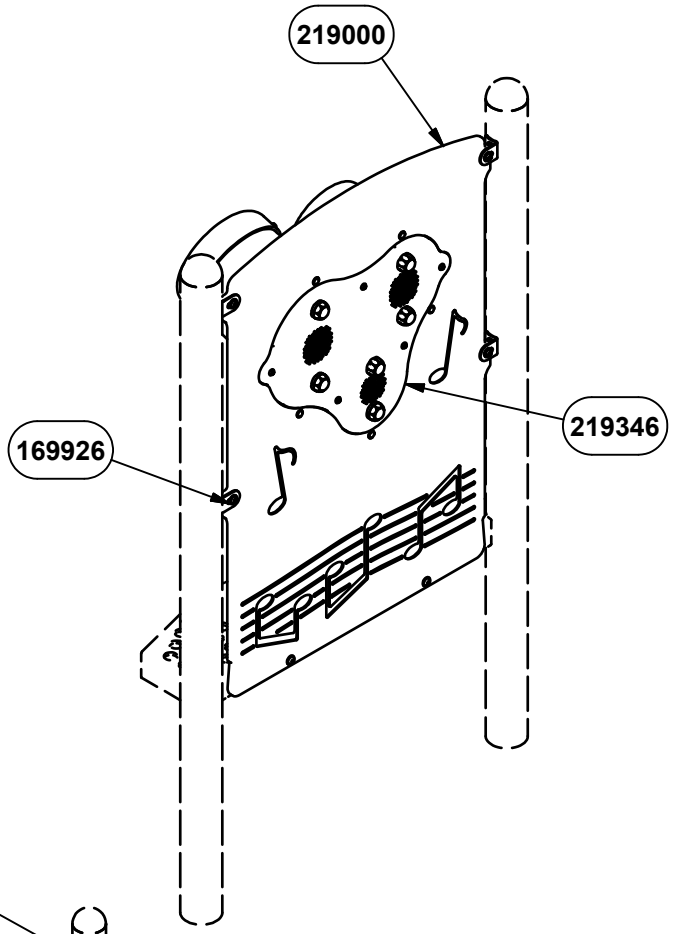

UP TO 5'-0" DECK HEIGHTS



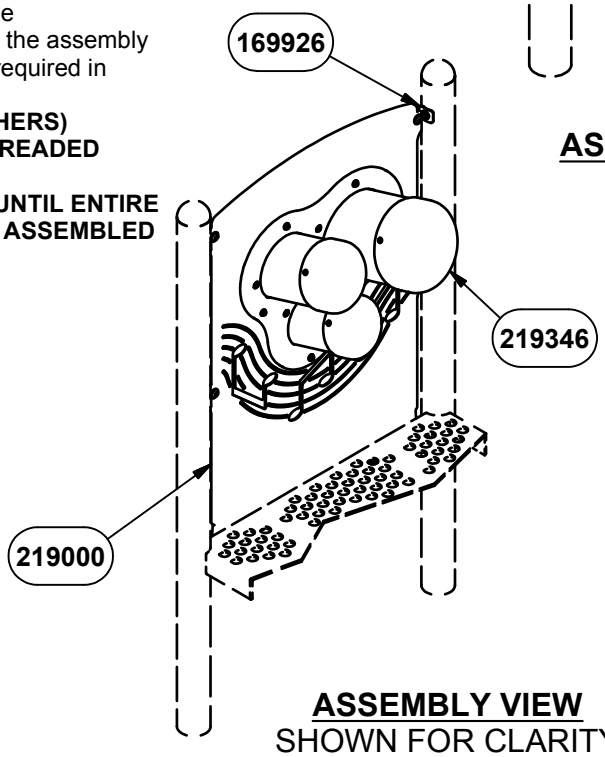

ALL DECK HEIGHTS

## INSTALLATION INSTRUCTIONS

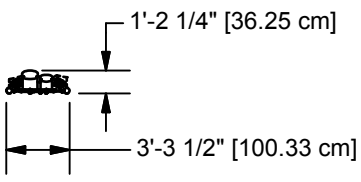
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



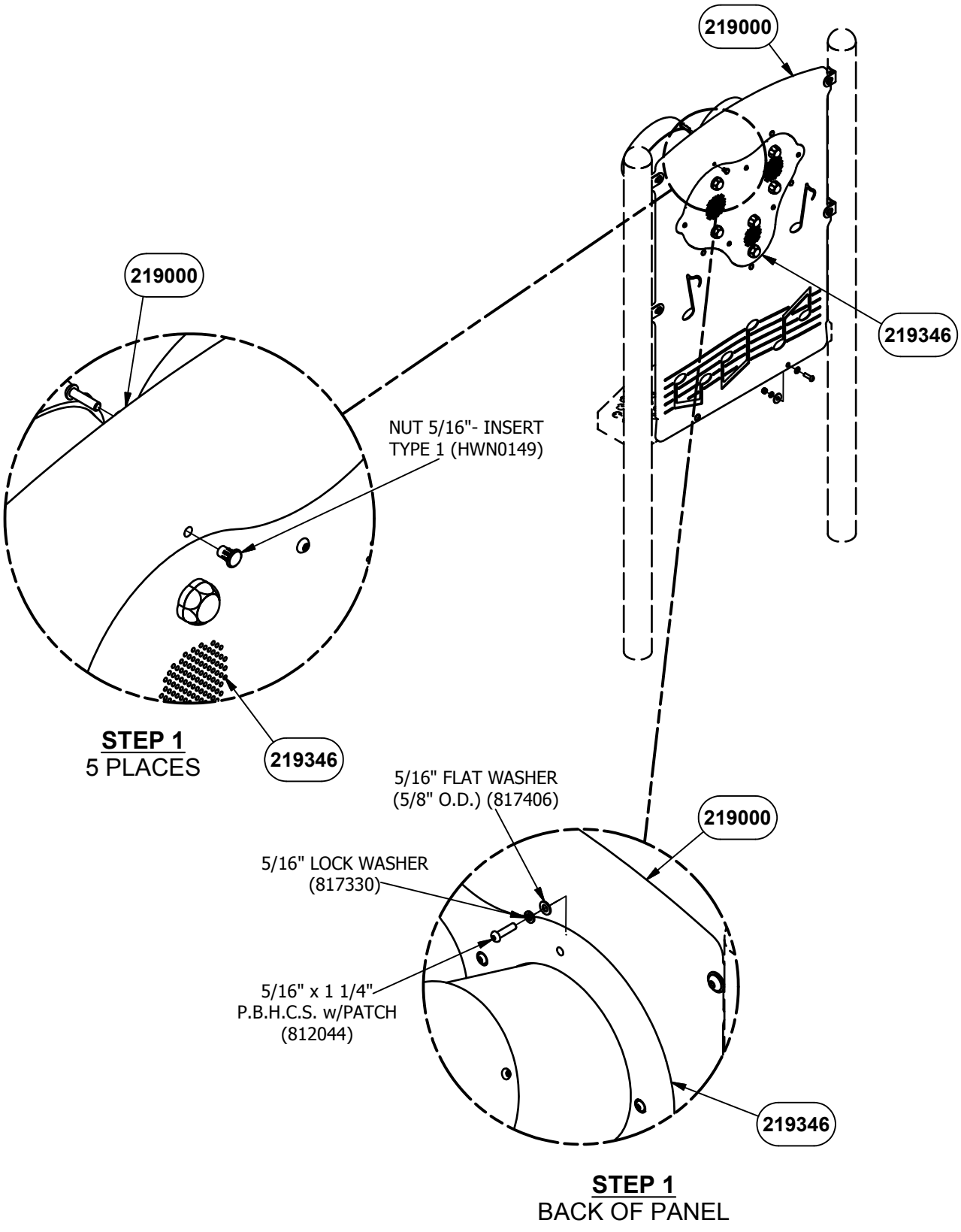

**ASSEMBLY VIEW**




**ASSEMBLY VIEW**
SHOWN FOR CLARITY




**TOP VIEW**

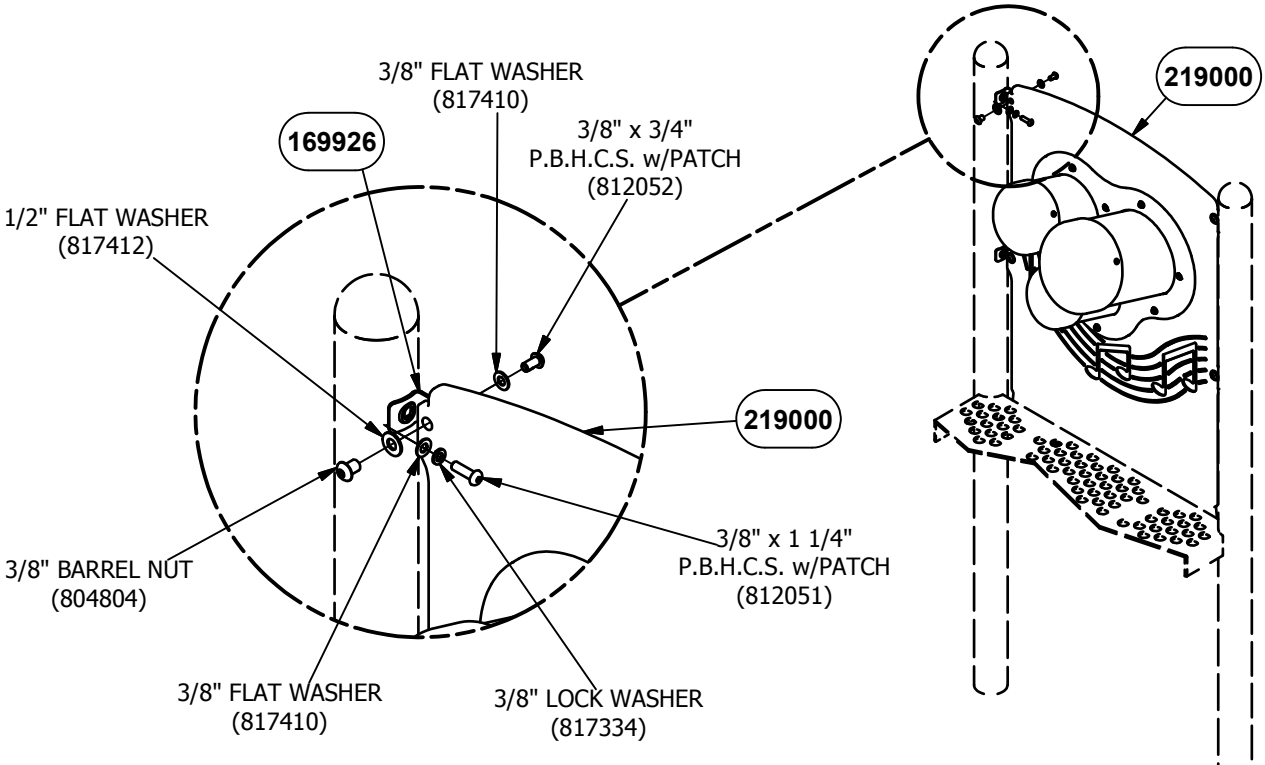



**STEP 1**
5 PLACES

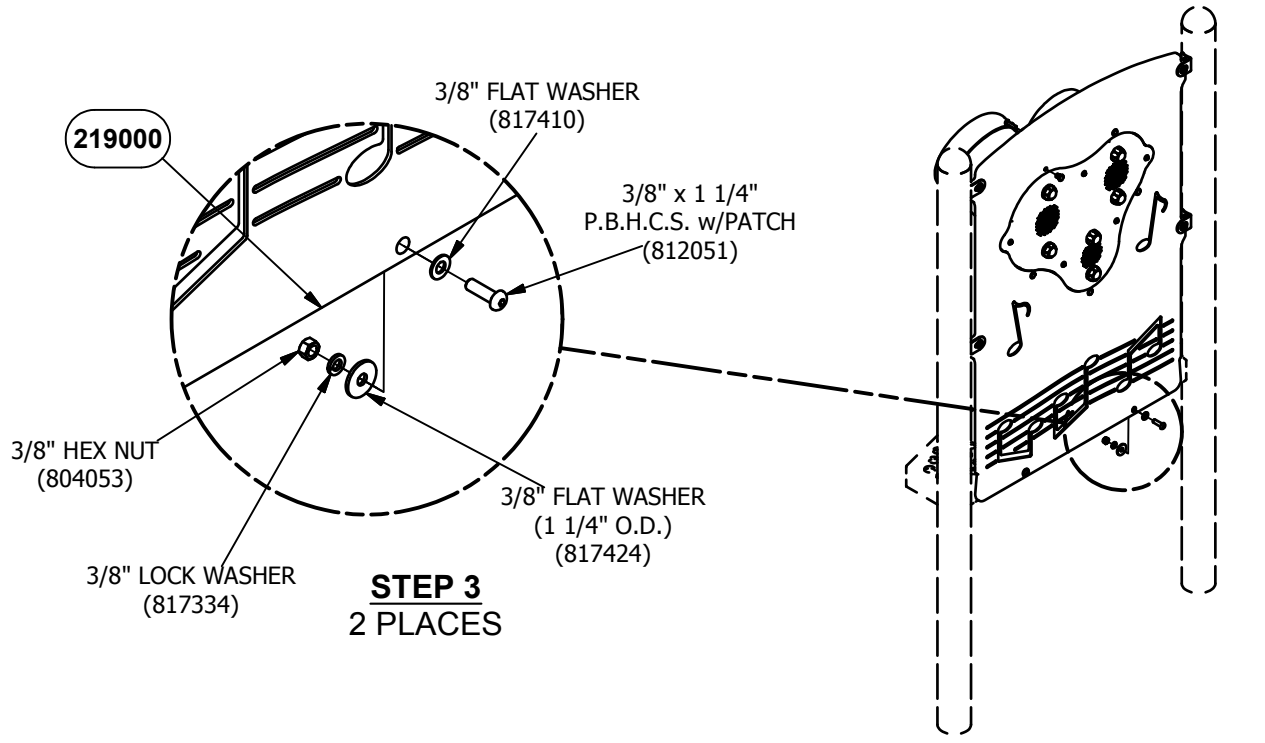
**STEP 1**
BACK OF PANEL

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW




**STEP 2**
4 PLACES




**STEP 3**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| DUNUN DRUM PANEL | 1 | 219000 |
| DUNUN DRUM PANEL INSERT | 1 | 219346 |
| FORMED TAB | 4 | 169926 |
| ***HARDWARE COMPLETE*** | 1 | 219350 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 6 | 812051* |
| 3/8" LOCK WASHER | 6 | 817334* |
| 3/8" FLAT WASHER | 10 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| 3/8" BARREL NUT | 4 | 804804* |
| 3/8" HEX NUT | 2 | 804053* |
| 5/16" x 1 1/4" P.B.H.C.S. w/PATCH | 5 | 812044* |
| 5/16" LOCK WASHER | 5 | 817330* |
| 5/16" FLAT WASHER (5/8" O.D.) | 5 | 817406* |
| NUT 5/16"- INSERT TYPE 1 | 5 | HWN0149* |
| 1/2" FLAT WASHER | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## *MAINTENANCE PROCEDURE:*

- Periodically check hardware for tightness, and tighten as necessary.
- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.
- Check all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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ISSUED/REVISED: 11/24/2020

# 19827

# MARACABASAS PANEL



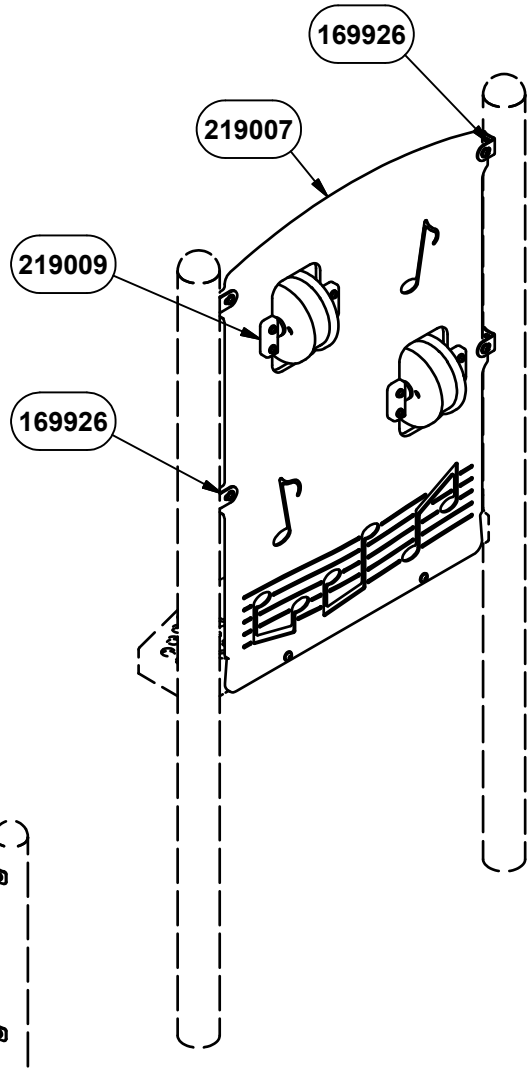

UP TO 5'-0"
DECK HEIGHT



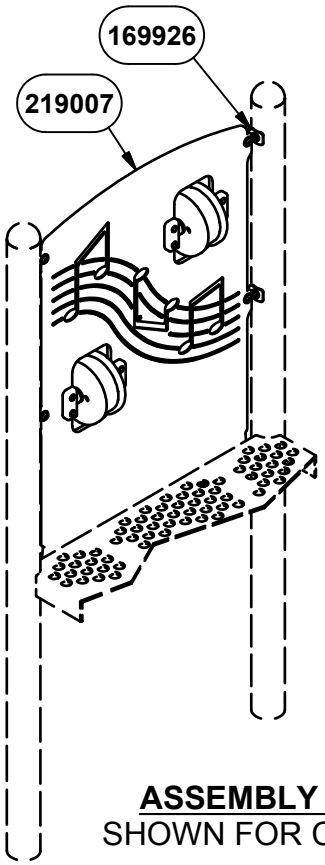

ALL DECK HEIGHTS

## INSTALLATION INSTRUCTIONS

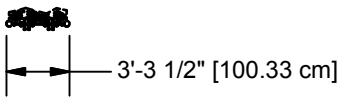
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



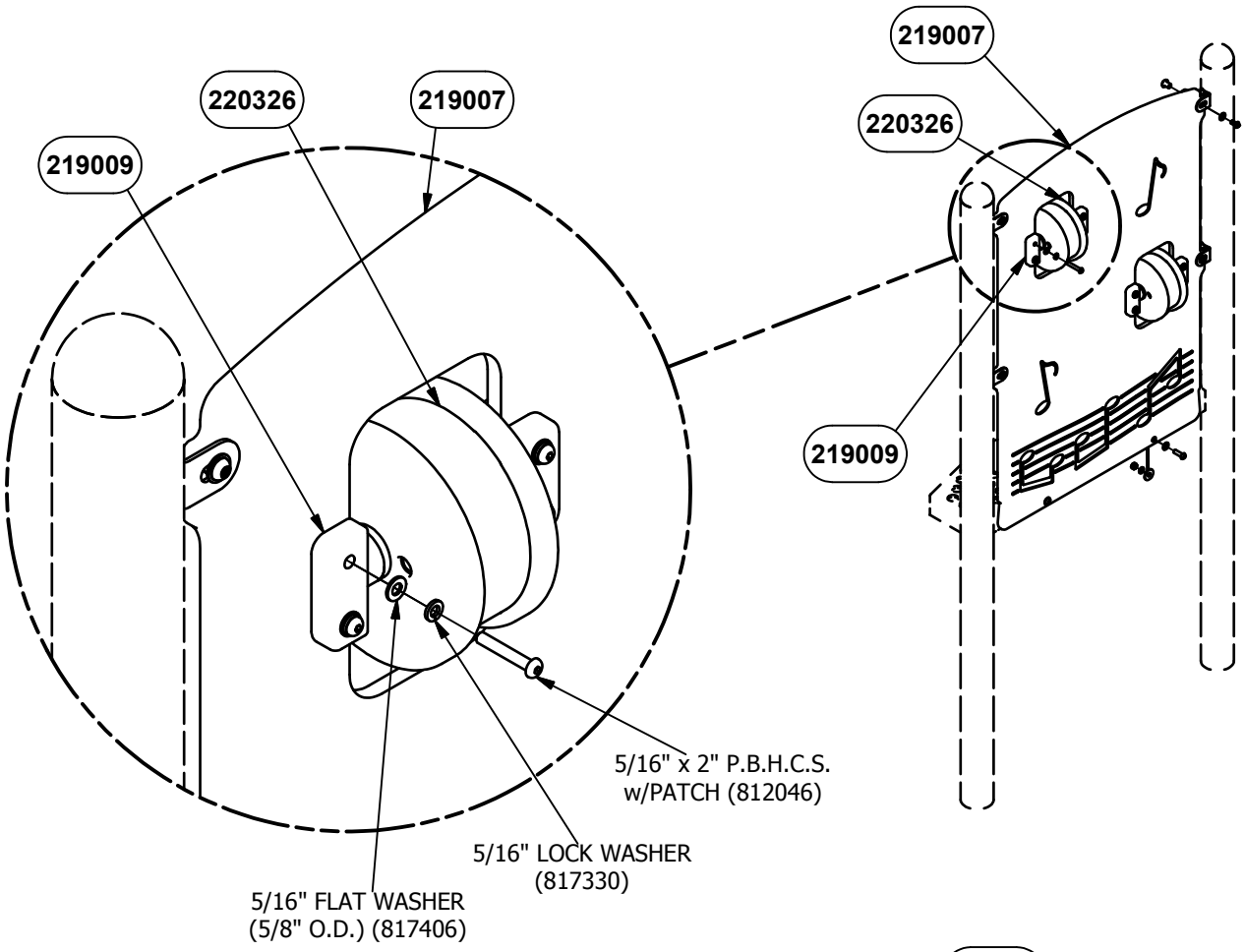

**ASSEMBLY VIEW**



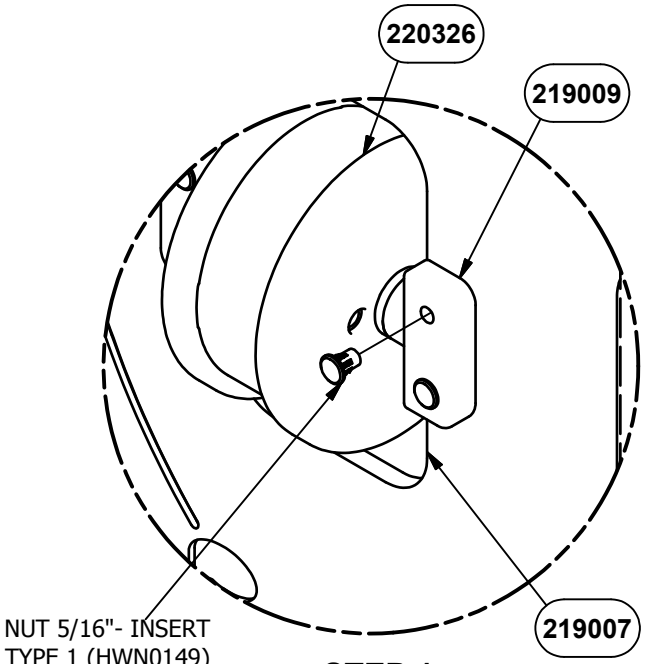

**ASSEMBLY VIEW**
SHOWN FOR CLARITY




**TOP VIEW**



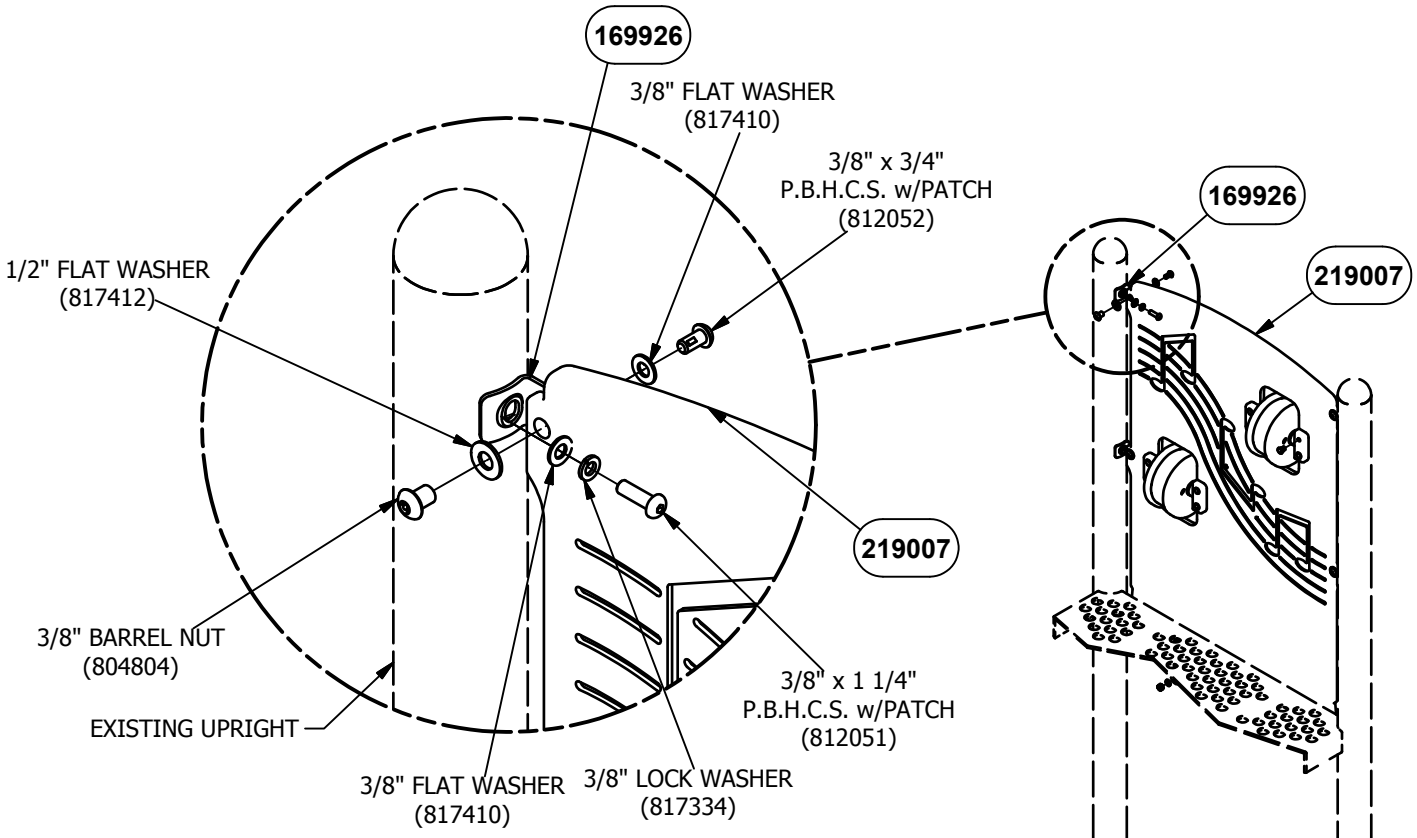

**STEP 1**
8 PLACES



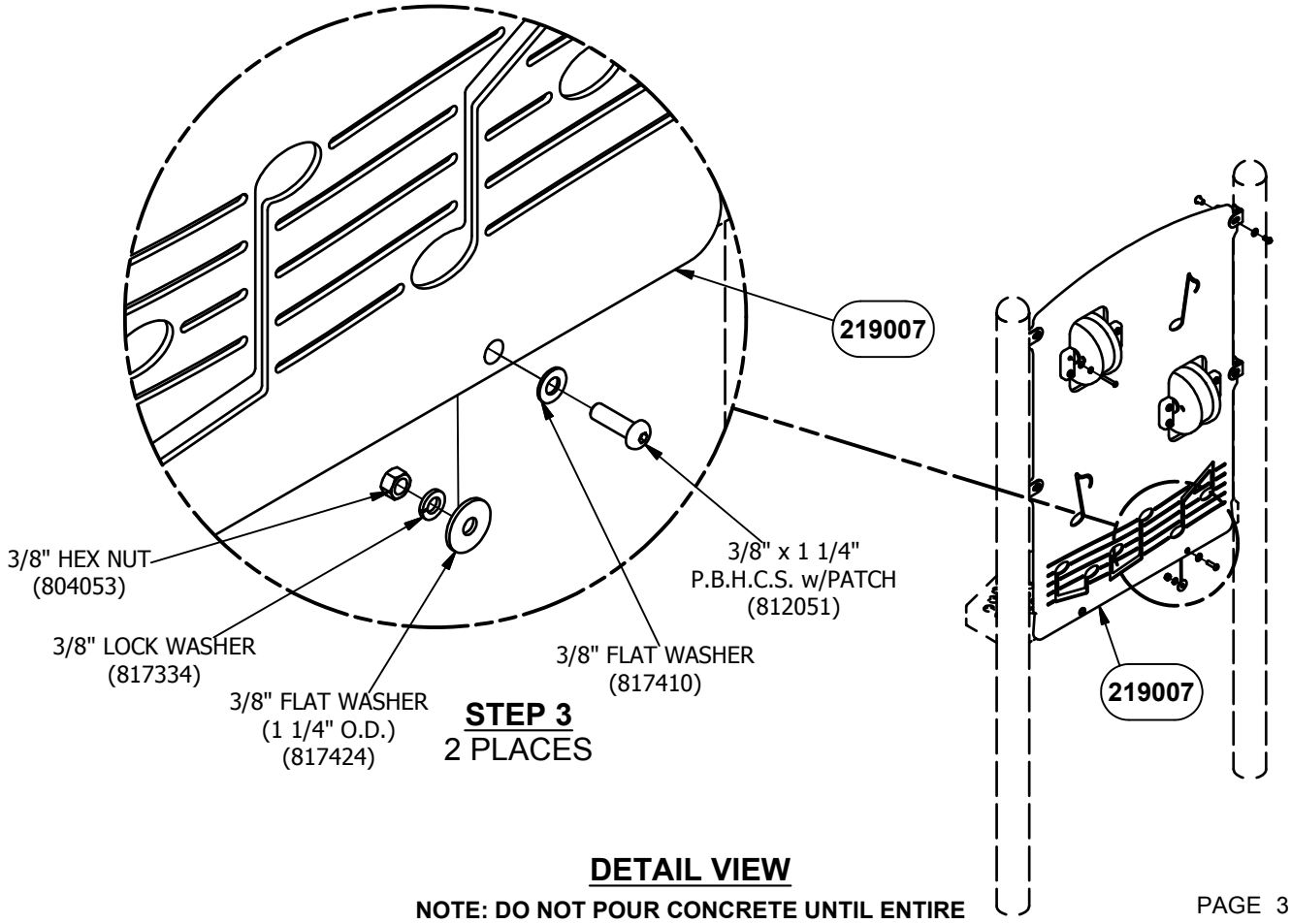

**STEP 1**
BACK OF PANEL

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**STEP 2**
4 PLACES




**STEP 3**
2 PLACES

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| MARACABASAS PANEL | 1 | 219007 |
| MARACABASAS PANEL INSERT | 1 | 220326 |
| FORMED TAB | 4 | 169926 |
| HARDWARE COVER | 8 | 219009 |
| **HARDWARE COMPLETE** | 1 | 219010 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 6 | 812051* |
| 3/8" LOCK WASHER | 6 | 817334* |
| 3/8" FLAT WASHER | 10 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| 3/8" BARREL NUT | 4 | 804804* |
| 3/8" HEX NUT | 2 | 804053* |
| 5/16" x 2" P.B.H.C.S. w/PATCH | 8 | 812046* |
| 5/16" LOCK WASHER | 8 | 817330* |
| 5/16" FLAT WASHER (5/8" O.D.) | 8 | 817406* |
| NUT 5/16"- INSERT TYPE 1 | 8 | HWN0149* |
| 1/2" FLAT WASHER | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## *MAINTENANCE PROCEDURE:*

- Periodically check hardware for tightness, and tighten as necessary.
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- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
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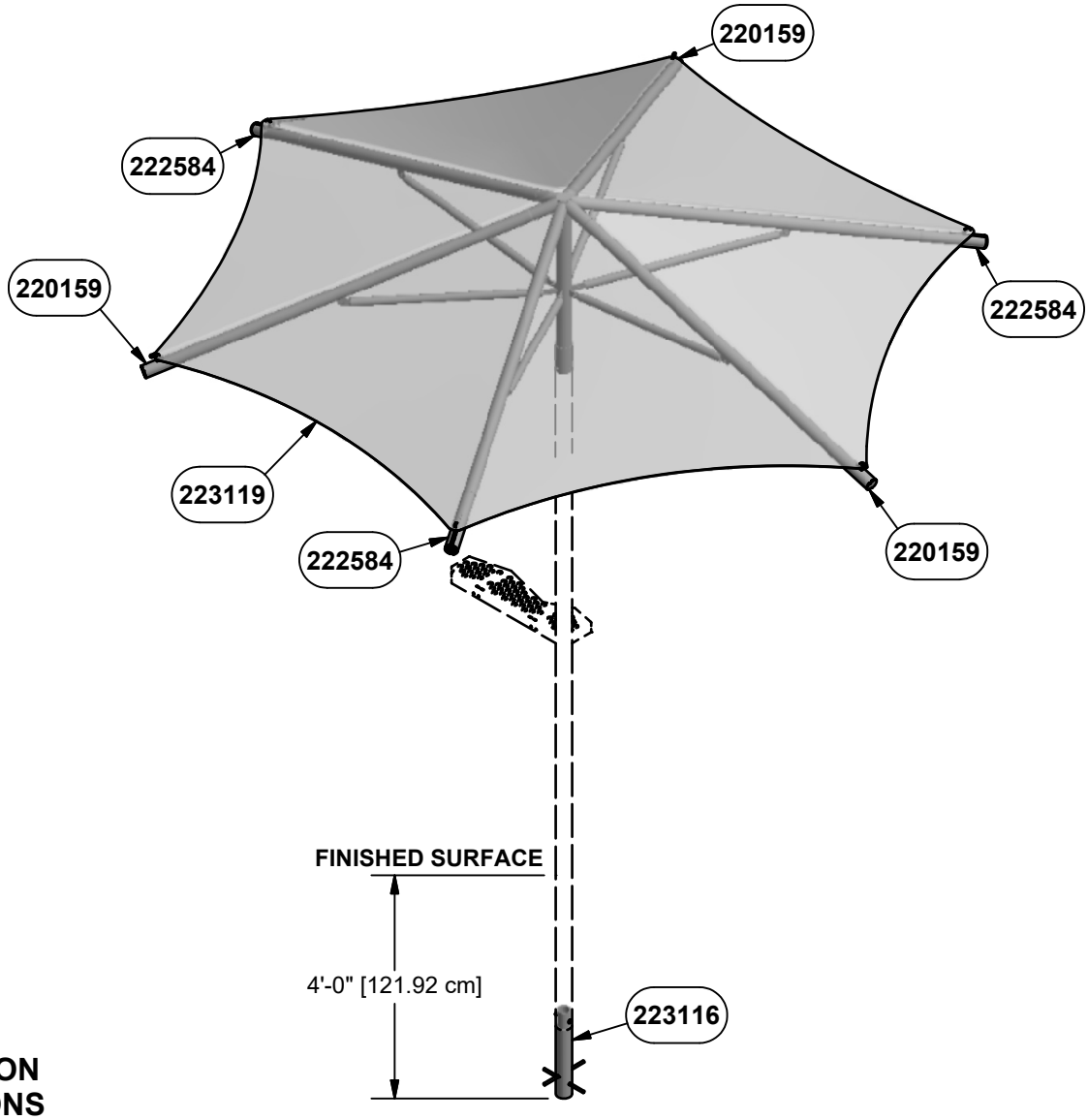
1-800-235-2440

ISSUED/REVISED: 6/14/2023

SUNBLOX
SHADE BY GAMETIME

# 19873
# 15' HEX UMBRELLA CANOPY

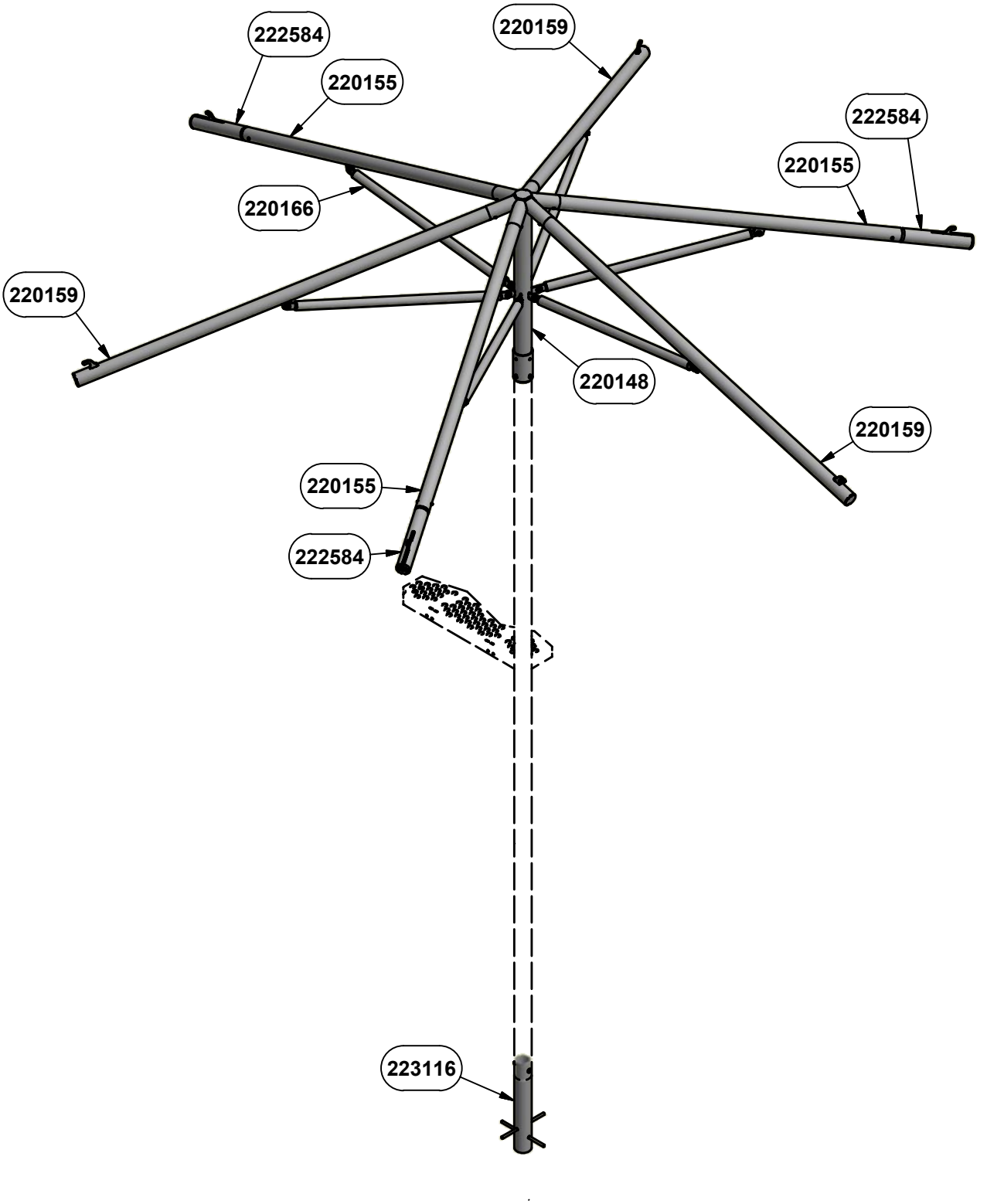
**1' THRU 6' DECK 19873**
**7' THRU 8' DECK 19874**




**ASSEMBLY VIEW**
**19873 SHOWN**
**19874 SIMILAR**

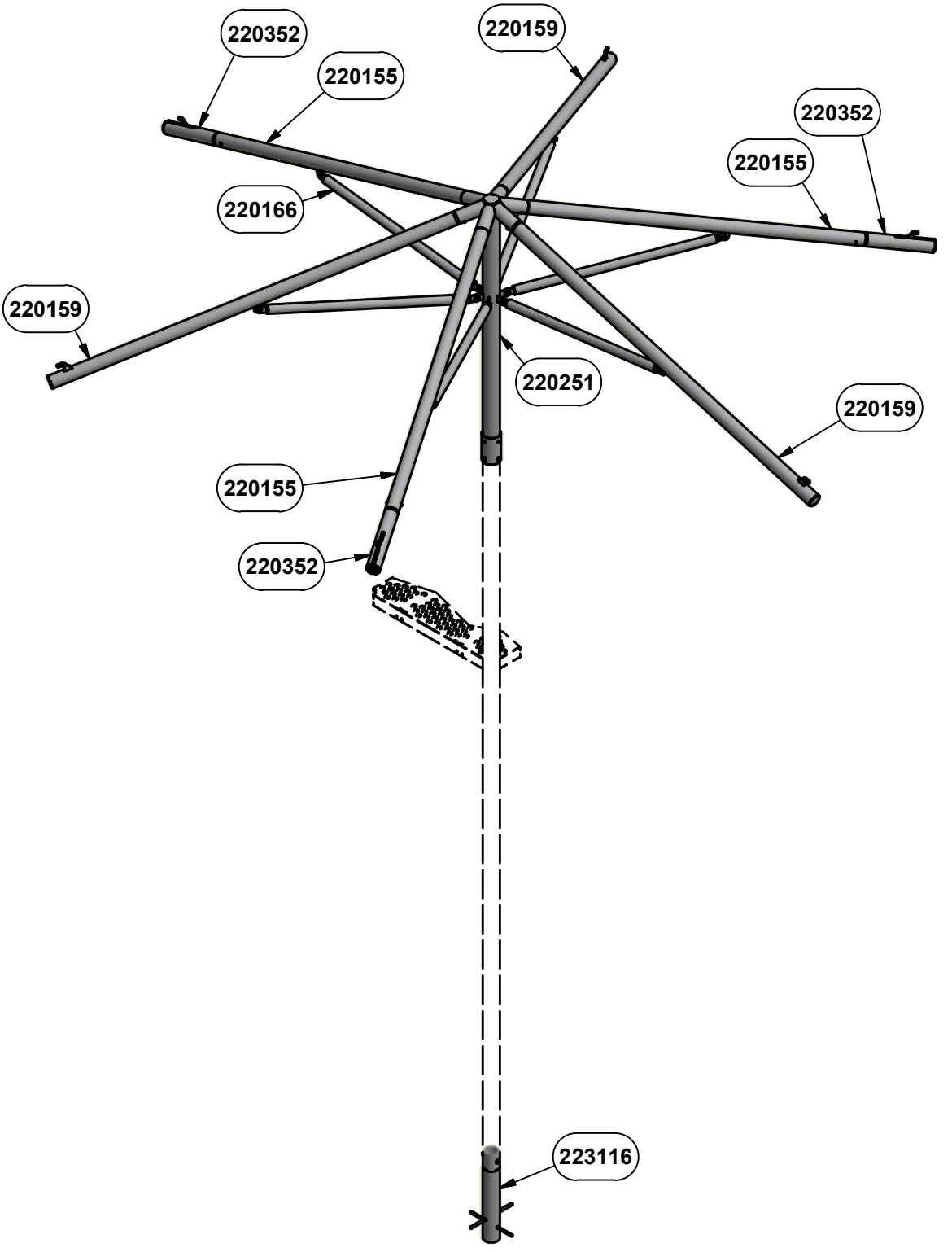
## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

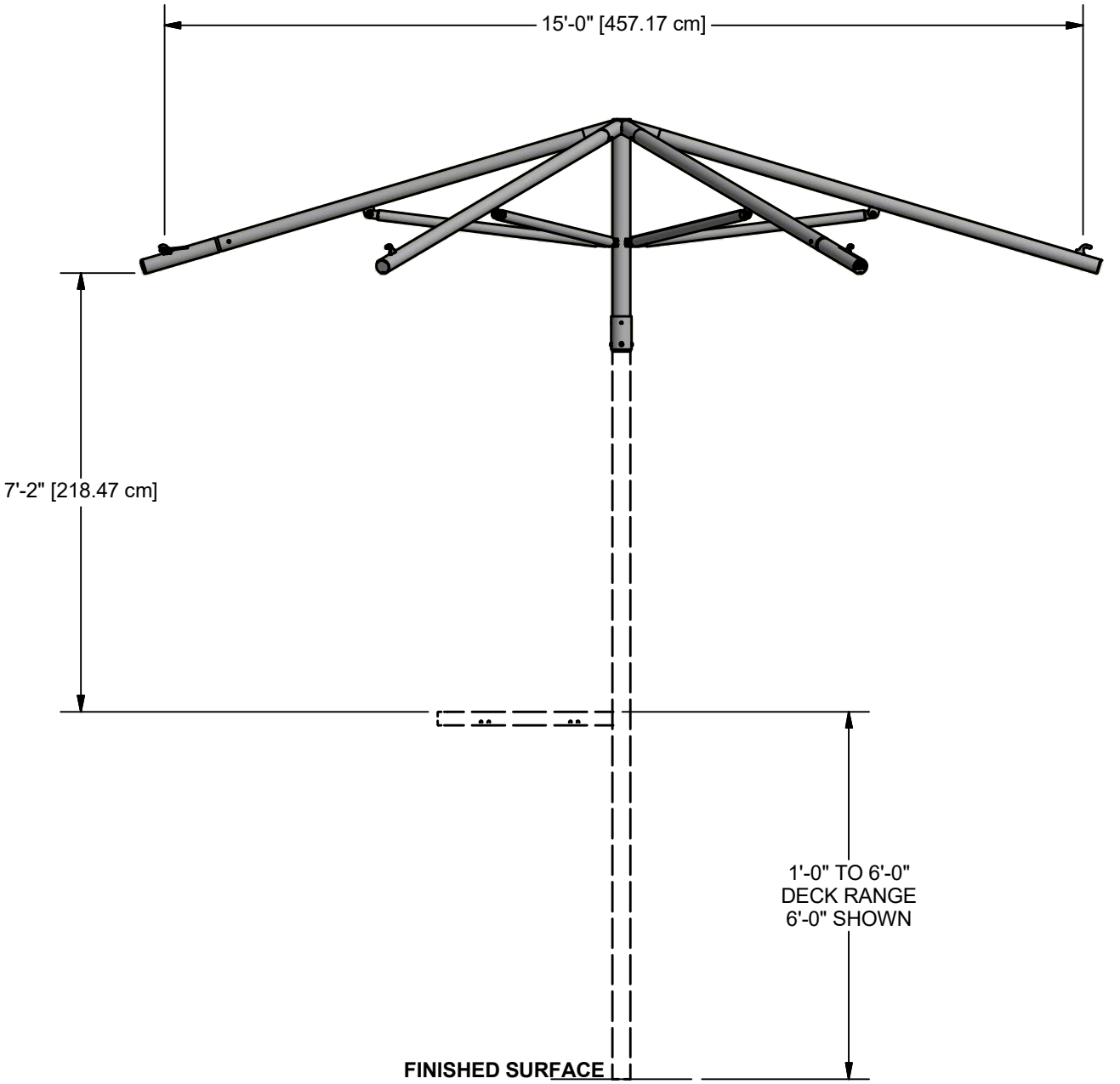



**FRAME ASSEMBLY VIEW**

19873

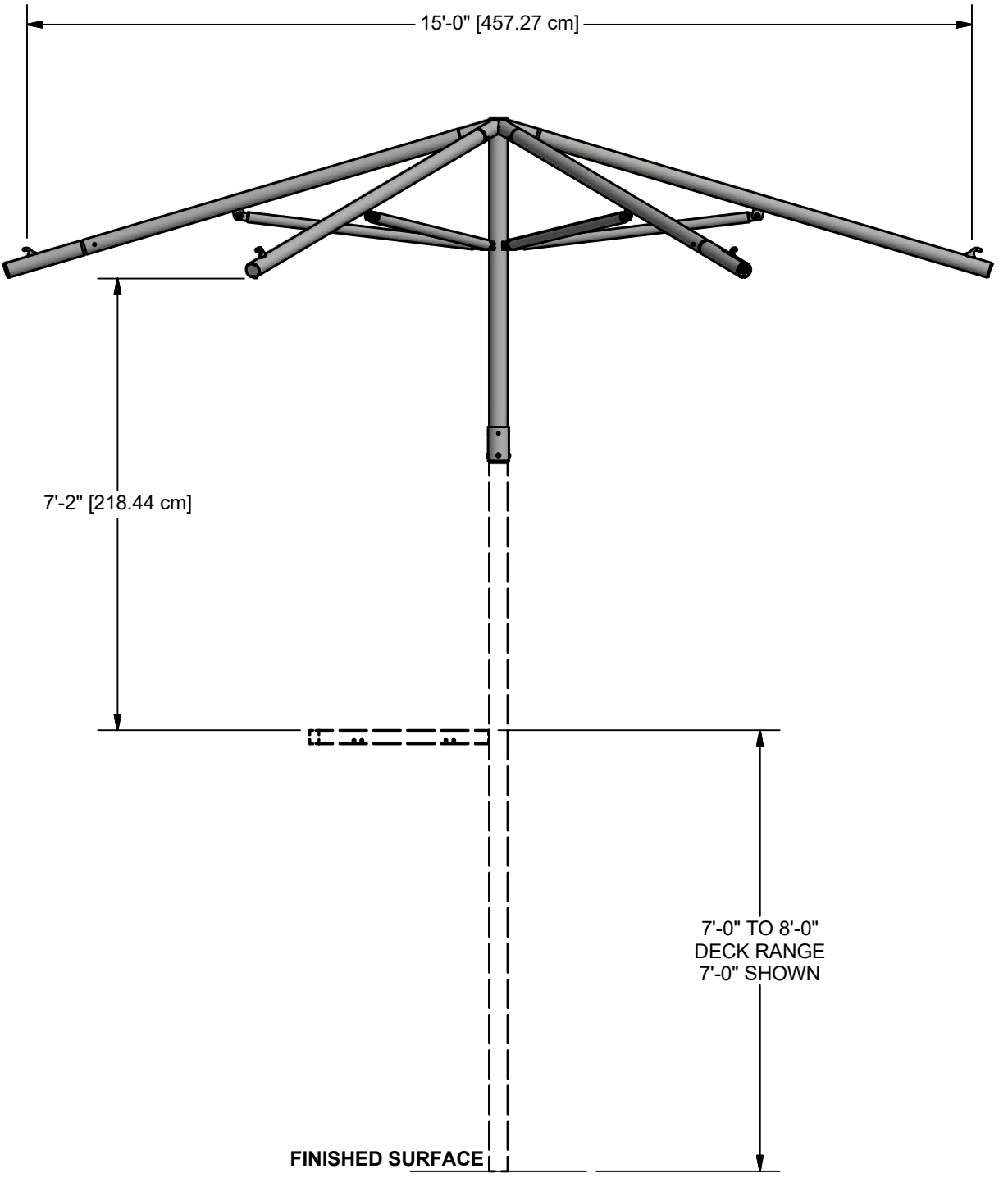



**FRAME ASSEMBLY VIEW**
19874



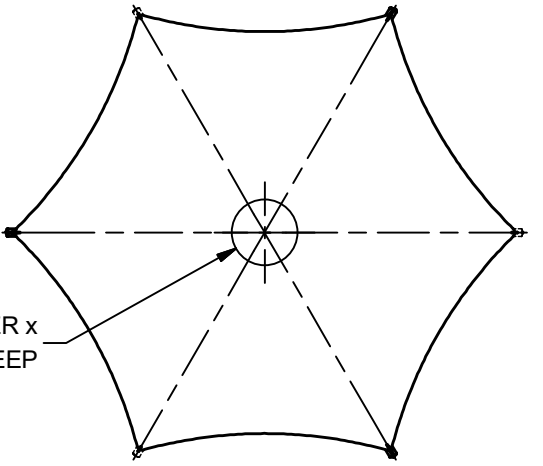

**FRAME ELEVATION VIEW**

19873




**FRAME ELEVATION VIEW**

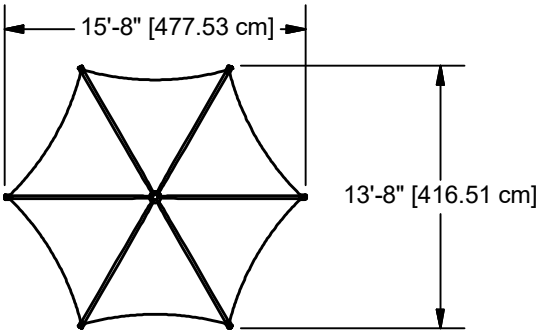
19874



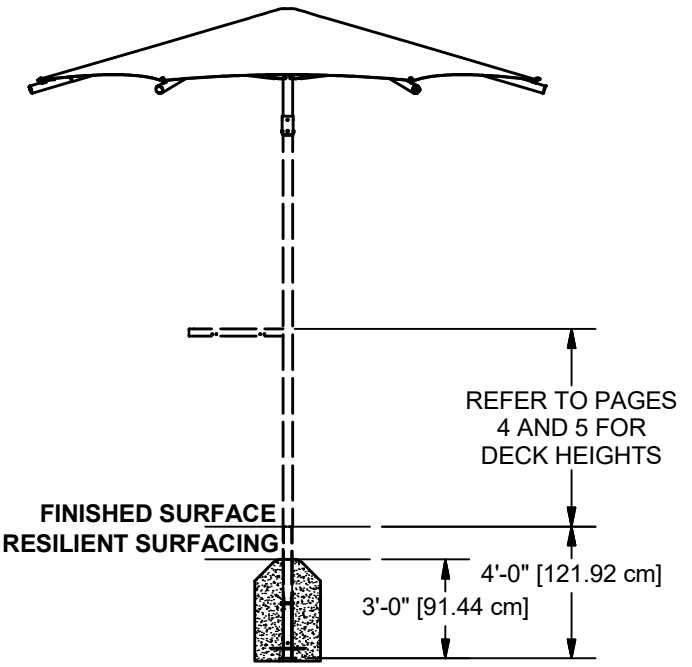

**PLAN VIEW**
19873 SHOWN
19874 SIMILAR

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

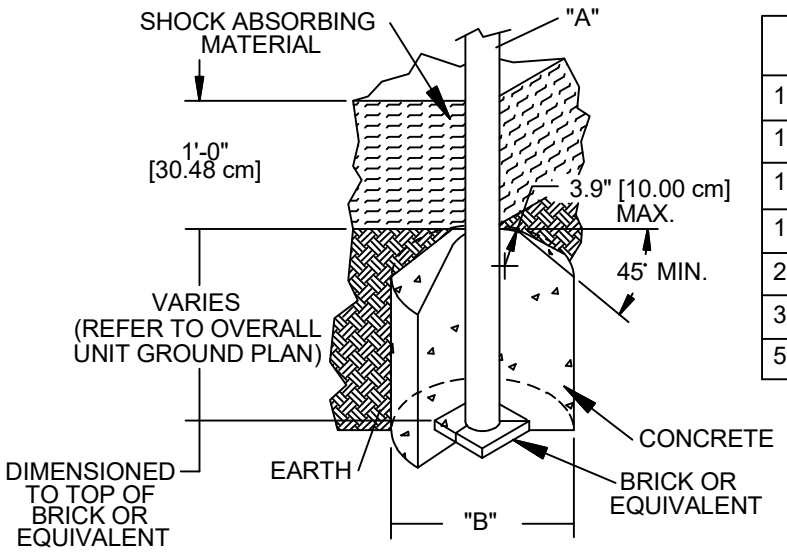
**CONCRETE REQUIRED:**
0.35 CUBIC YARDS
[0.27 CUBIC METERS]




**TOP VIEW**
19873 SHOWN
19874 SIMILAR




**ELEVATION VIEW**
19873 SHOWN
19874 SIMILAR

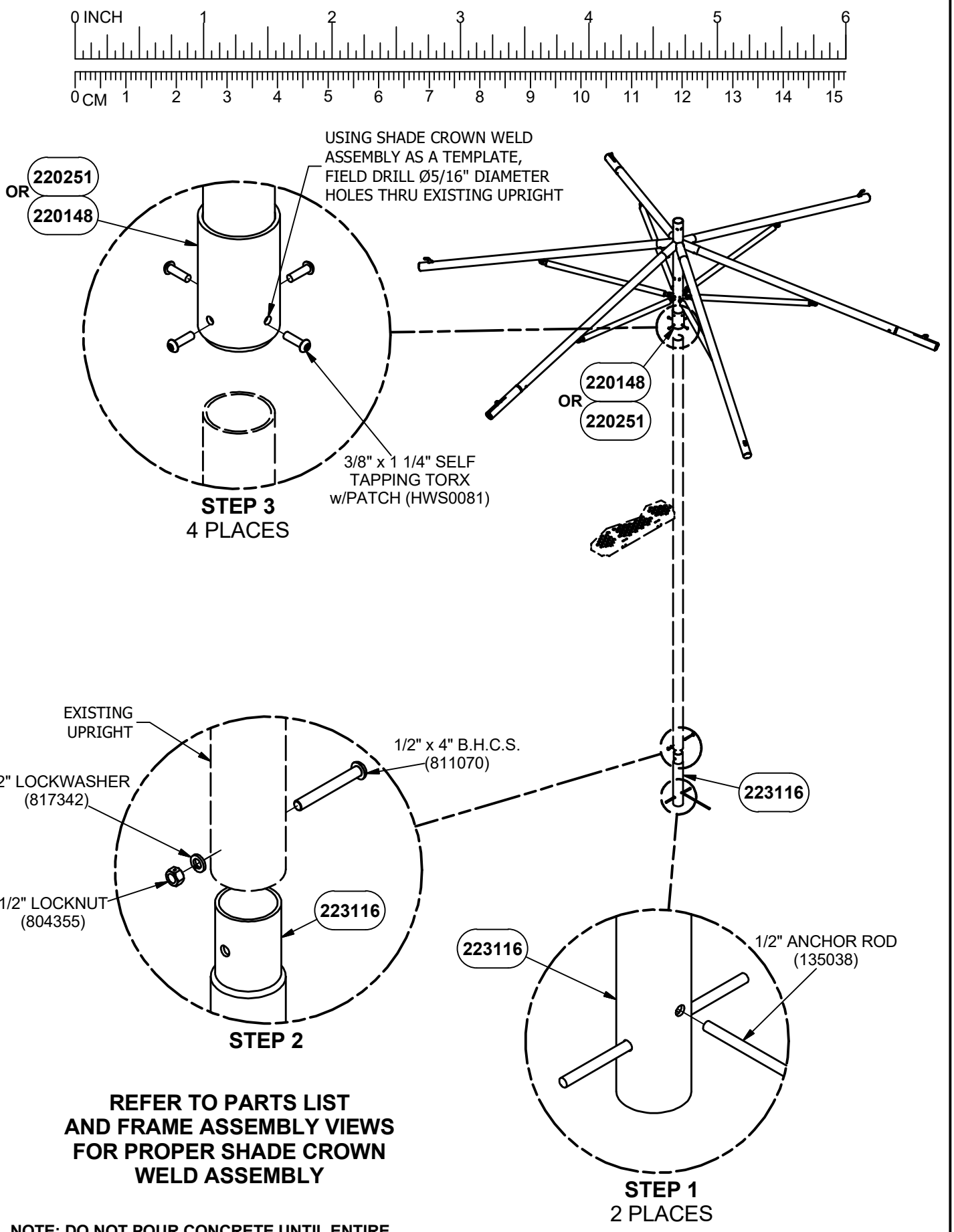



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

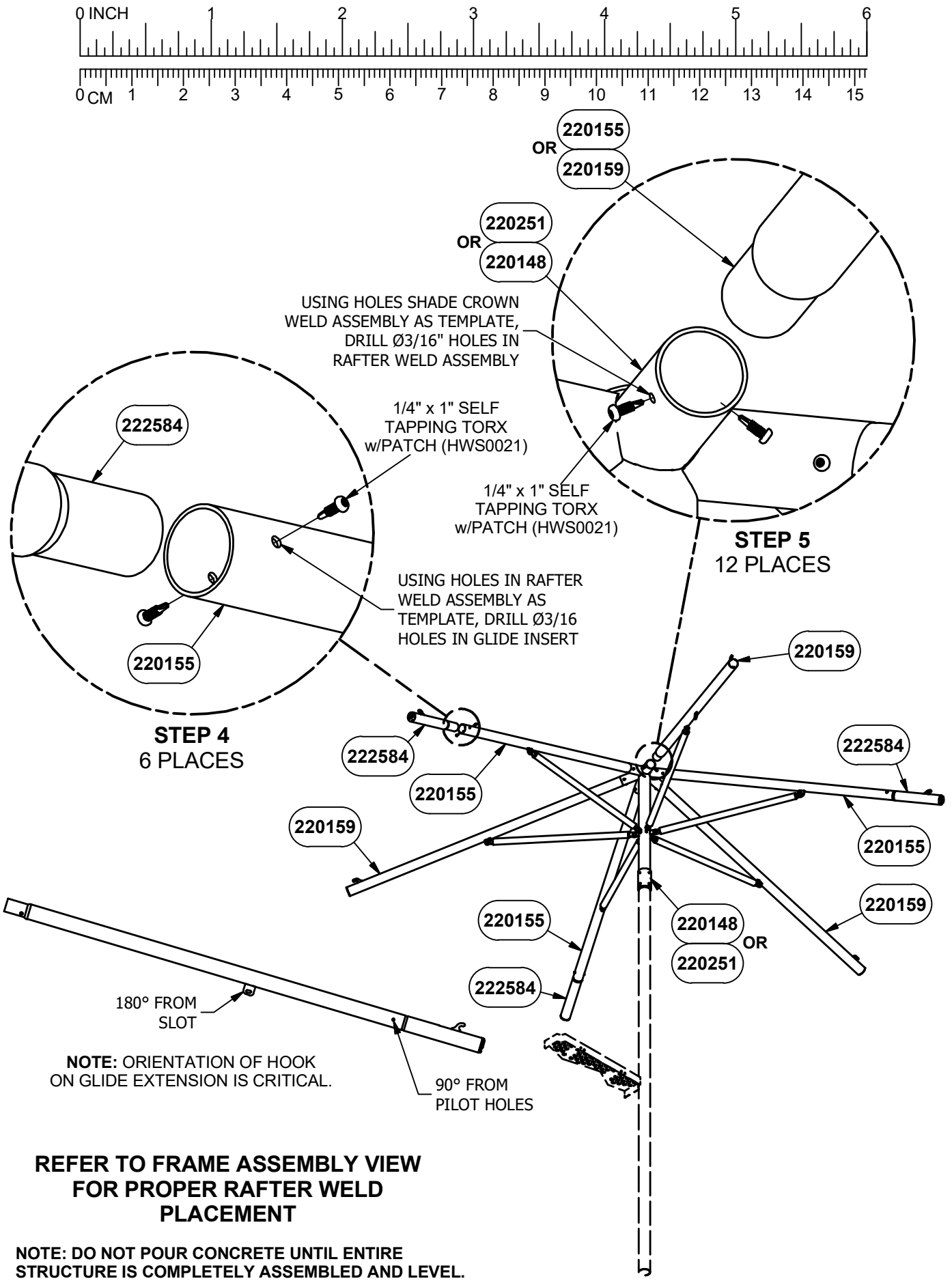
## FOOTING DETAIL




**REFER TO PARTS LIST AND FRAME ASSEMBLY VIEWS FOR PROPER SHADE CROWN WELD ASSEMBLY**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

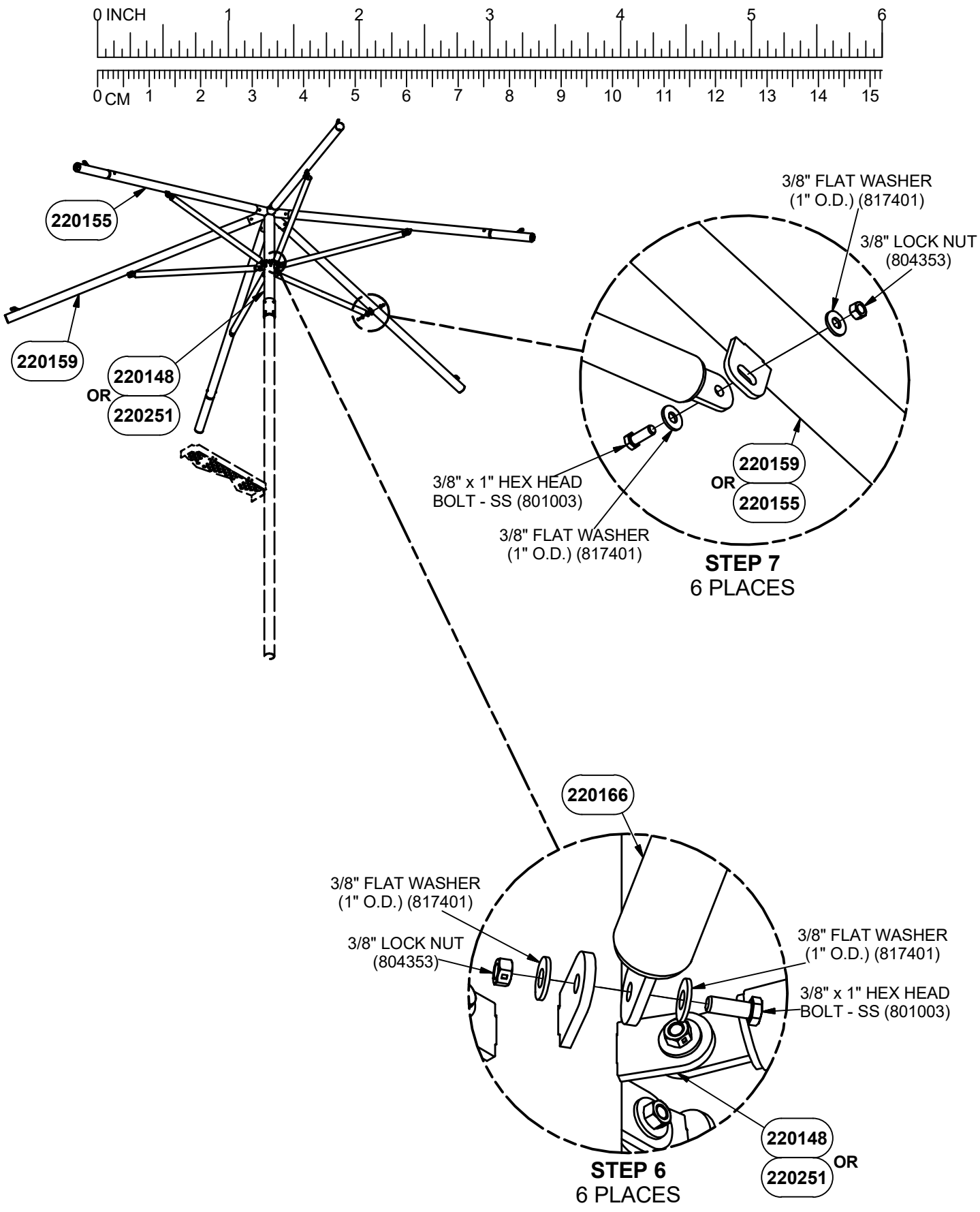
## DETAIL VIEW




**REFER TO FRAME ASSEMBLY VIEW FOR PROPER RAFTER WELD PLACEMENT**

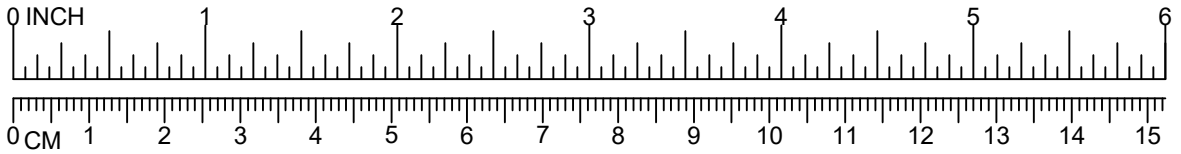
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

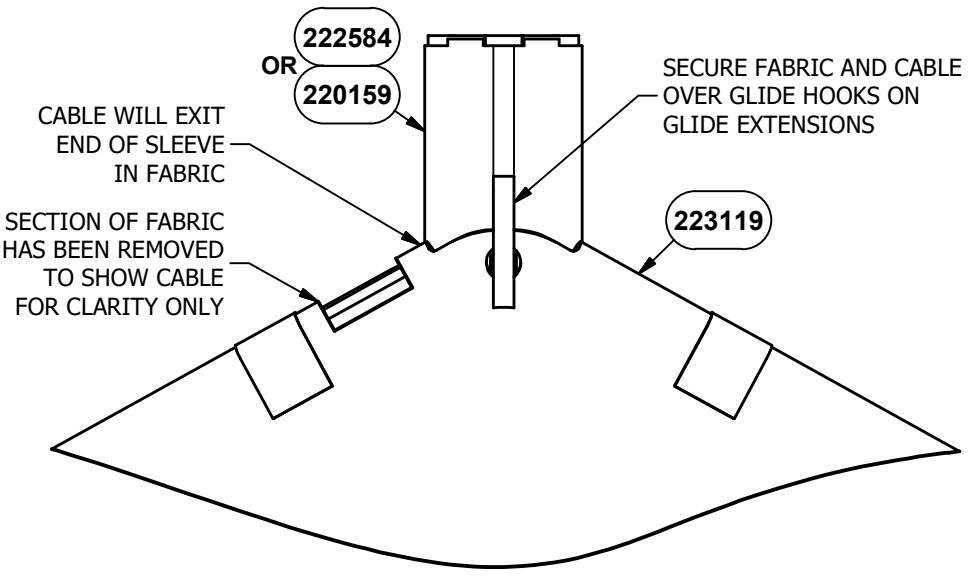
## DETAIL VIEW




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW



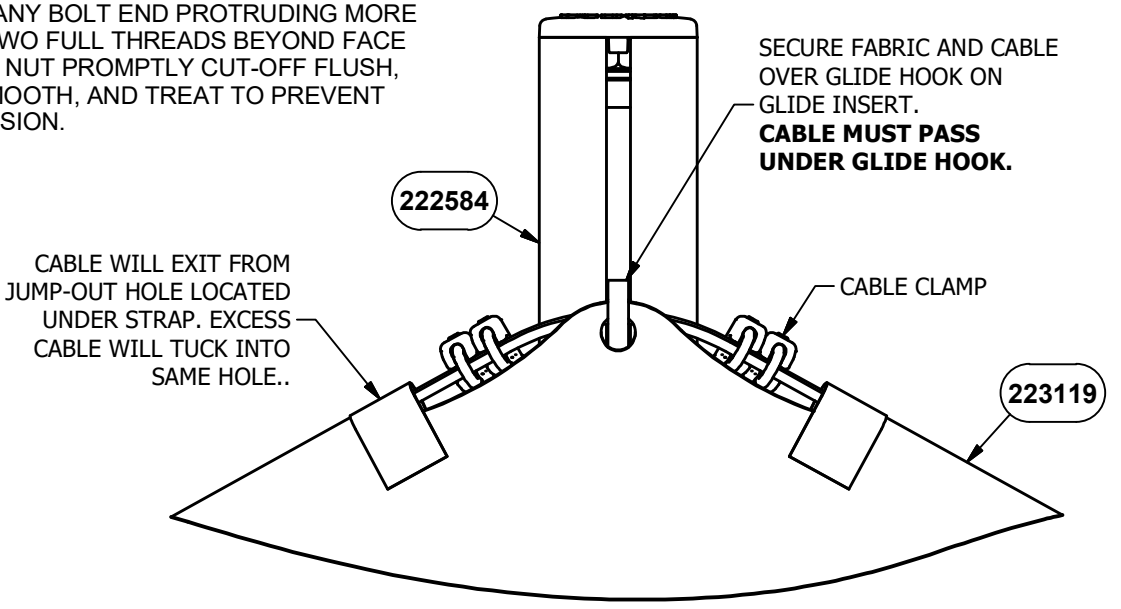

VIEW IS FROM TOP OF SHADE FABRIC

**STEP 8**
5 PLACES

**NOTE:** ADD LOCTITE (SUPPLIED BY OTHERS) TO BOLTED CONNECTIONS.

**NOTE:** CABLE CLAMP MUST BE INSTALLED WITH NUTS FACING DOWN. CLAMPS MUST BE TOUCHING EACH OTHER.

**NOTE:** ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND FACE OF THE NUT PROMPTLY CUT-OFF FLUSH, FILE SMOOTH, AND TREAT TO PREVENT CORROSION.



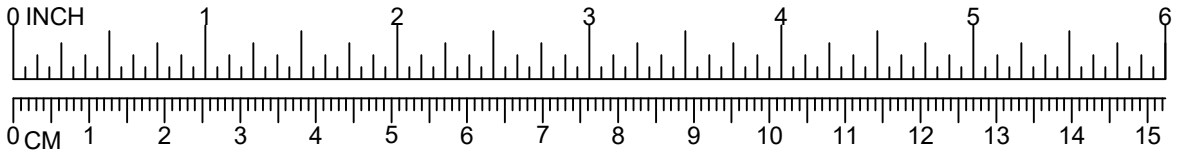

VIEW IS FROM TOP OF SHADE FABRIC

**STEP 9**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




REMOVE COVER PLATE
TO ACCESS TENSIONING NUT

222584

COVER PLATE
*DRAIN PORT AT BOTTOM

3/8" WASHER

3/8" BOLT

HARDWARE INCLUDED IN
GLIDE INSERT (222584)

**STEP 10**
3 PLACES

222584

222584

222584

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE**.

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local condition

**NOTE:** Refer to the Detail Views for the specific hardware required in each connection.

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**STEP 1:** Attach Anchor Rods to In-Ground Extension. **REFER TO PAGE 8.**

**STEP 2:** Attach In-Ground Extension to Upright. **REFER TO PAGE 8.**

**STEP 3:** Attach Shade Crown Weld Assembly to Upright. Using Shade Crown Weld Assembly as a template, field drill Ø5/16" diameter holes thru existing upright. **REFER TO PAGE 8.**

**STEP 4:** Attach Glide Inserts to Rafter Weld Assemblies (220155). Using existing holes in Rafter Weld Assembly as template, drill Ø3/16" holes in Glide Insert. **REFER TO PAGE 9.**

**STEP 5:** Attach Rafter Weld Assemblies to Shade Crown Weld Assembly. Using existing holes in Shade Crown Weld Assembly, drill Ø3/16" holes in Rafter Weld Assembly. **REFER TO PAGE 9.**

**STEP 6:** Attach Strut Weld Assemblies to Shade Crown Weld Assembly. **REFER TO PAGE 10.**

**STEP 7:** Attach Strut Weld Assemblies to Rafter Weld Assemblies. **REFER TO PAGE 10.**

**NOTE:** FOLLOWING STEPS TO BE COMPLETED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

**STEP 8:** Starting at any corner thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on the same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner. Spread the shade fabric over the frame and secure corners to the Glide Hooks. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Hooks. **NOTE:** The Steel Cable must always pass under the Glide Hooks. **REFER TO PAGE 11.**

**STEP 9:** Pull tight by hand then using the clamps provided, fasten the steel cables together. All clamps must be used. After clamps are tightened, thread the excess steel cable back into the jump-out holes in the shade fabric. **NOTE:** If any portion of the steel cable was bent/kinked during the tensioning process, it must be straightened by bending the steel cable back in the opposite direction of the bend. **REFER TO PAGE 11.**

**STEP 10:** Remove Cover Plate from Glide Insert to access tensioning nut. Take turns tensioning each Glide Insert in small increments. Make sure that the steel cables cross each other at the corner where the steel cable ends. DO NOT OVER TENSION! You can test the tightness of the shade fabric by hitting the perimeter steel cable with the palm of your hand to see how much it moves. If the shade fabric does not move more than 6" up or down then you have the correct tension. If the shade fabric bounces and has a ripple affect then you may need to apply more tension. Attach Cover Plate to Glide Insert. **REFER TO PAGE 12.**

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 19873 | 19874 | PART NUMBER |
| SHADE CROWN WELD ASSEMBLY | 1 | 0 | 220148 |
| SHADE CROWN WELD ASSEMBLY | 0 | 1 | 220251 |
| GLIDE EXTENSION | 3 | 3 | 222584 |
| RAFTER WELD ASSEMBLY | 3 | 3 | 220155 |
| RAFTER WELD ASSEMBLY | 3 | 3 | 220159 |
| STRUT WELD ASSEMBLY | 6 | 6 | 220166 |
| IN-GROUND EXTENSION | 1 | 1 | 223116 |
| ***15' HEX FABRIC PACKAGE*** | 1 | 1 | 223119 |
| 15' HEX SHADE FABRIC | 1 | 1 | ** |
| CABLE (3/16" DIAMETER 50' LG) | 1 | 1 | ** |
| CABLE CLAMP | 4 | 4 | ** |
| ***HARDWARE COMPLETE*** | 1 | 1 | 220245 |
| 1/4" x 1" SELF TAPPING TORX w/PATCH | 18 | 18 | HWS0021* |
| 3/8" x 1" HEX HEAD BOLT - SS | 12 | 12 | 801003* |
| 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 4 | 4 | HWS0081* |
| 3/8" FLAT WASHER (1" O.D.) | 24 | 24 | 817401* |
| 3/8" LOCK NUT | 12 | 12 | 804353* |
| 1/2" x 4" B.H.C.S. | 1 | 1 | 811070* |
| 1/2" LOCKWASHER | 1 | 1 | 817342* |
| 1/2" LOCKNUT | 1 | 1 | 804355* |
| 1/2" ANCHOR ROD | 2 | 2 | 135038* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
*** Included in 15' Hex Fabric Package*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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ISSUED/REVISED: 2/9/2024

# 19881

# HI-LINE CLIMBING LINK



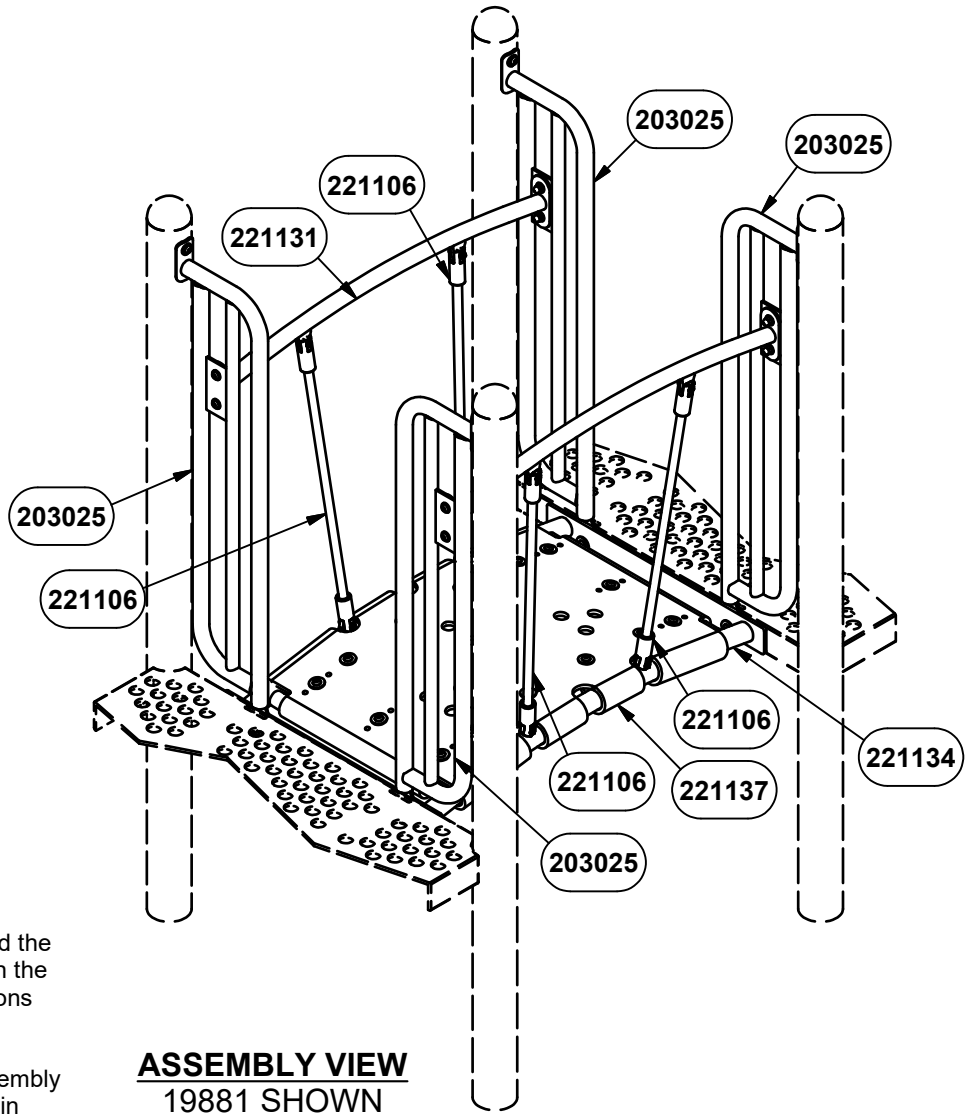

UP TO 5'-0"




19881 & 19883
UP TO 7'-0"

19882, 19884,
19885 & 19886
UP TO 8'-0"

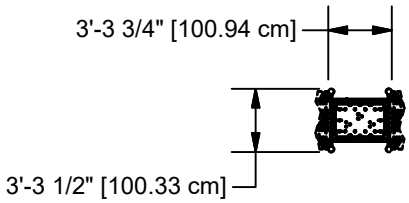
| | |
|---|---|
| **HI-LINE CLIMBING LINK 1 DECK SPAN 0'-0" RISE** | **19881** |
| **HI-LINE CLIMBING LINK 1 DECK SPAN 1'-0" RISE** | **19882** |
| **HI-LINE CLIMBING LINK 2 DECK SPAN 0'-0" RISE** | **19883** |
| **HI-LINE CLIMBING LINK 2 DECK SPAN 1'-0" RISE** | **19884** |
| **HI-LINE CLIMBING LINK 2 DECK SPAN 2'-0" RISE** | **19885** |
| **HI-LINE CLIMBING LINK 2 DECK SPAN 3'-0" RISE** | **19886** |



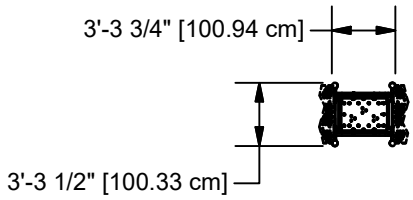

**ASSEMBLY VIEW**
19881 SHOWN
OTHER SIMILAR

## NSTALLATION INSTRUCTIONS

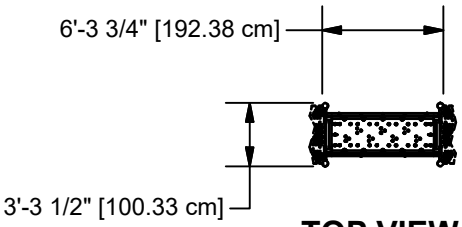
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



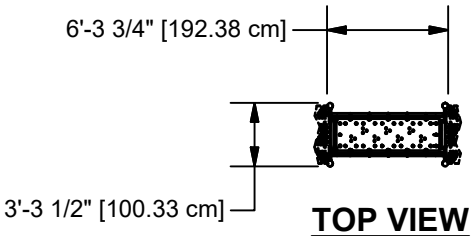

**TOP VIEW**
19881



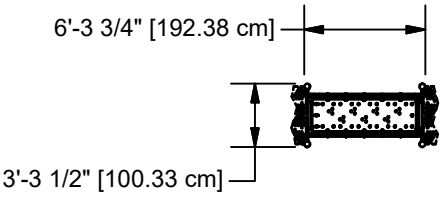

**TOP VIEW**
19882



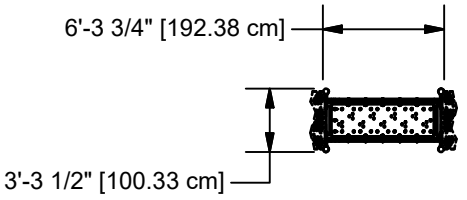

**TOP VIEW**
19883



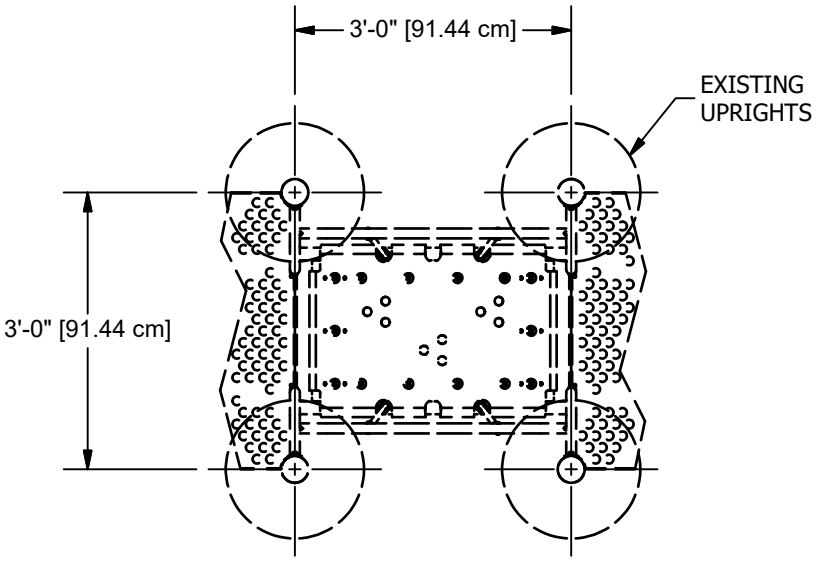

**TOP VIEW**
19884



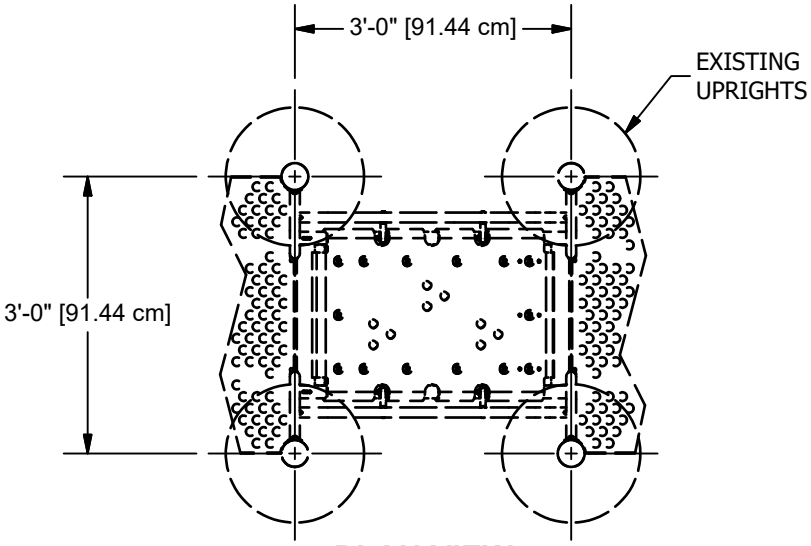

**TOP VIEW**
19885



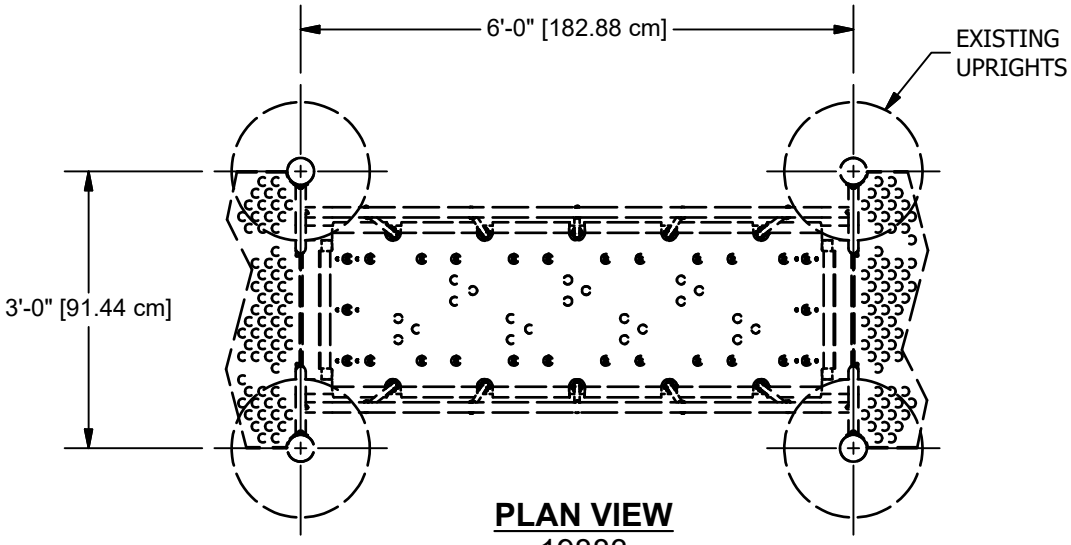

**TOP VIEW**
19886



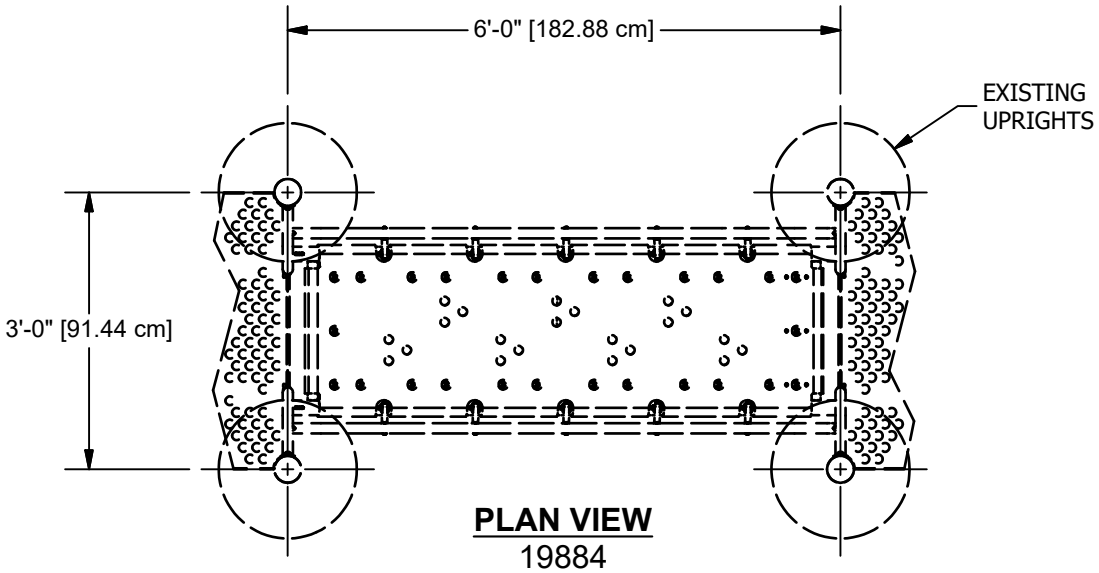

**PLAN VIEW**
19881



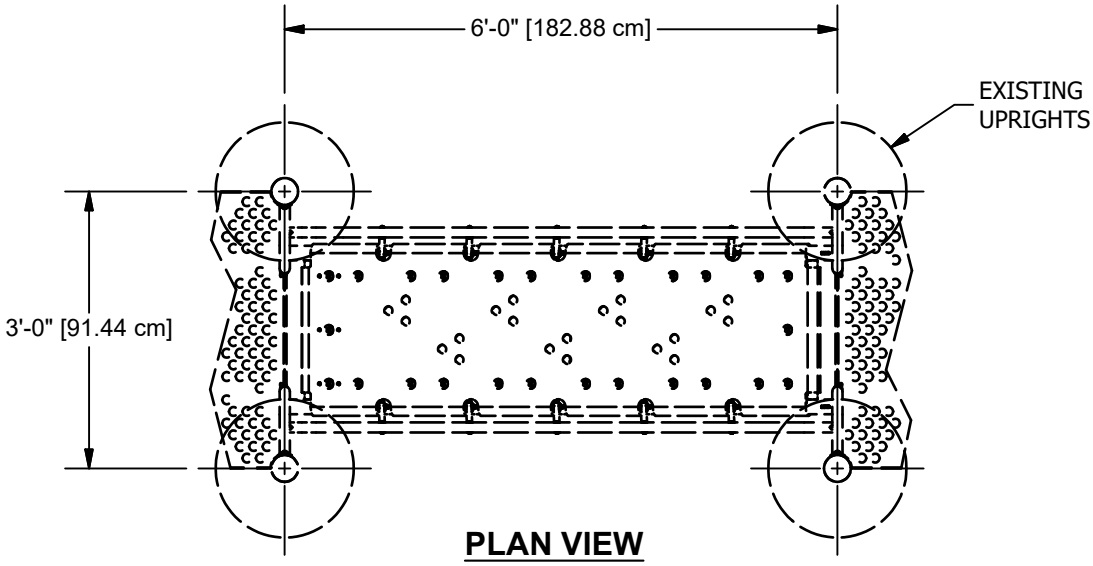

**PLAN VIEW**
19882



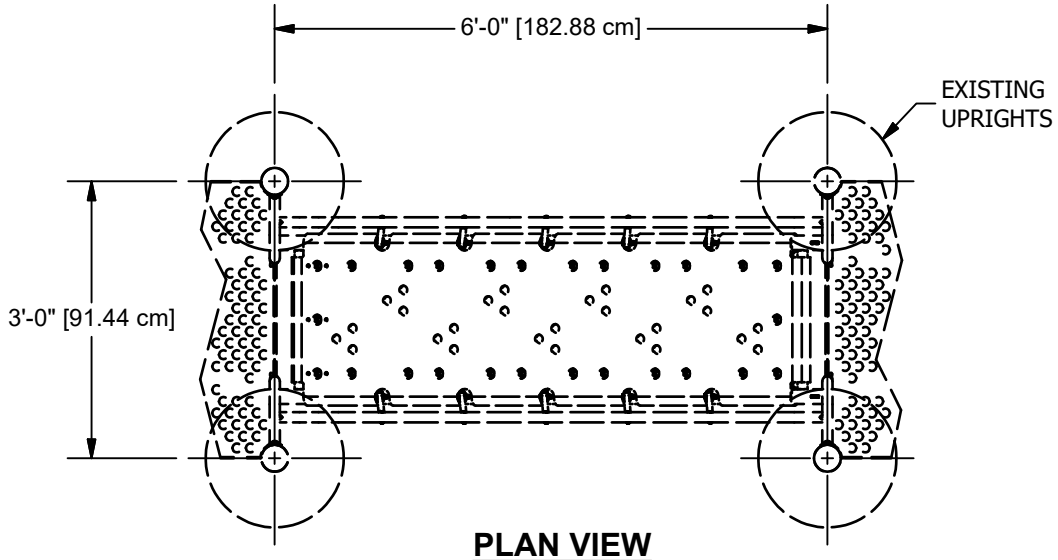

**PLAN VIEW**
19883



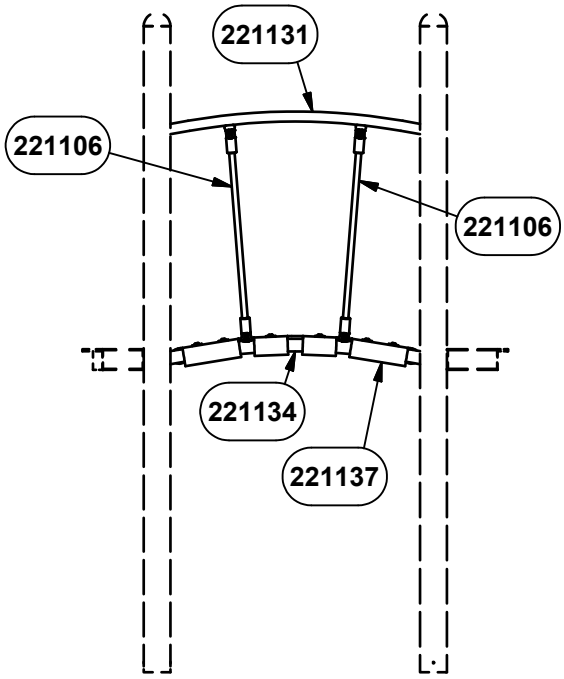

**PLAN VIEW**
19884



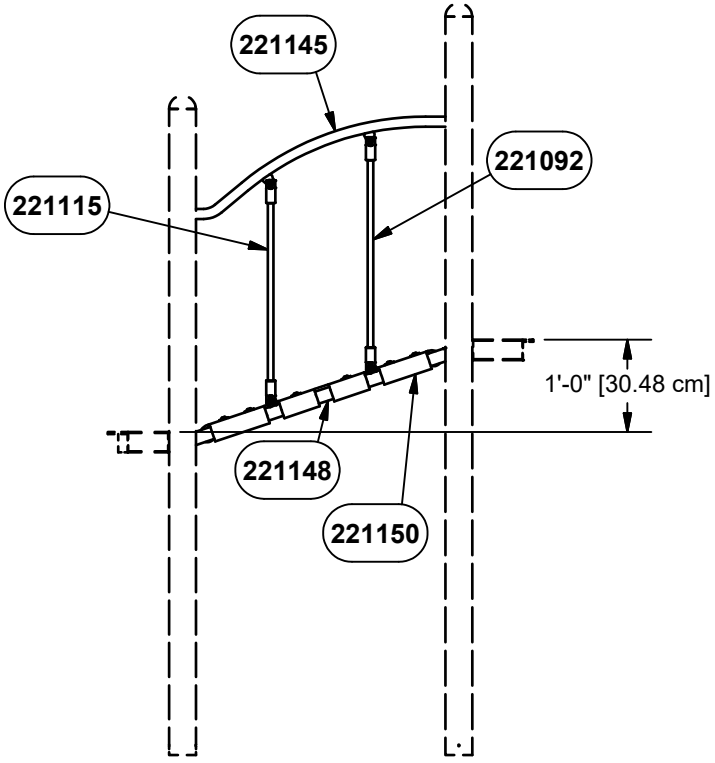

**PLAN VIEW**
19885



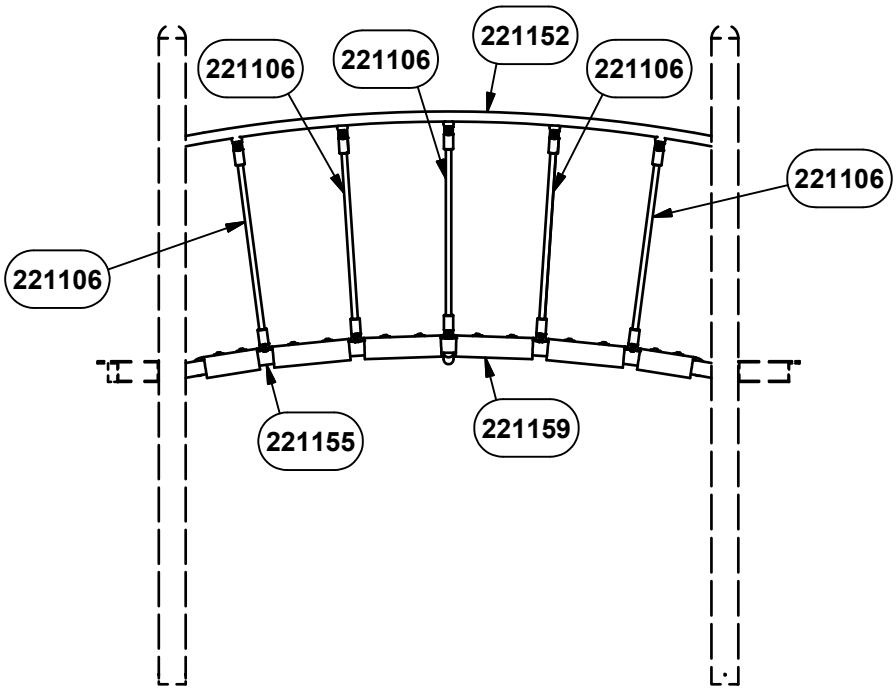

**PLAN VIEW**
19886



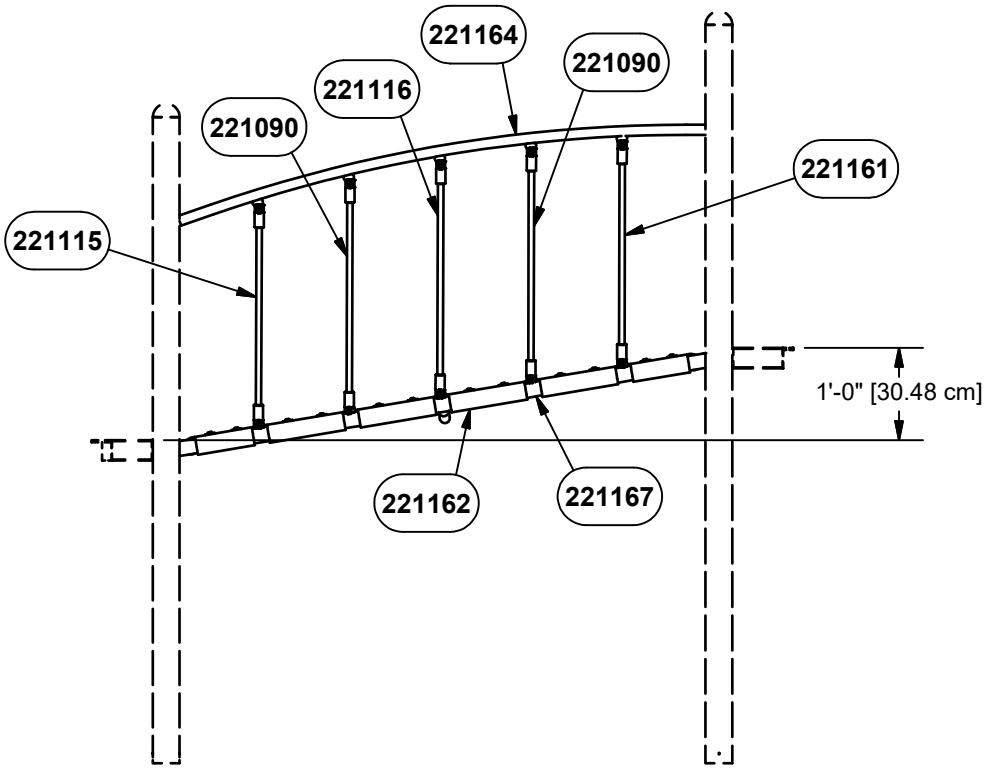

**ELEVATION VIEW**
19881



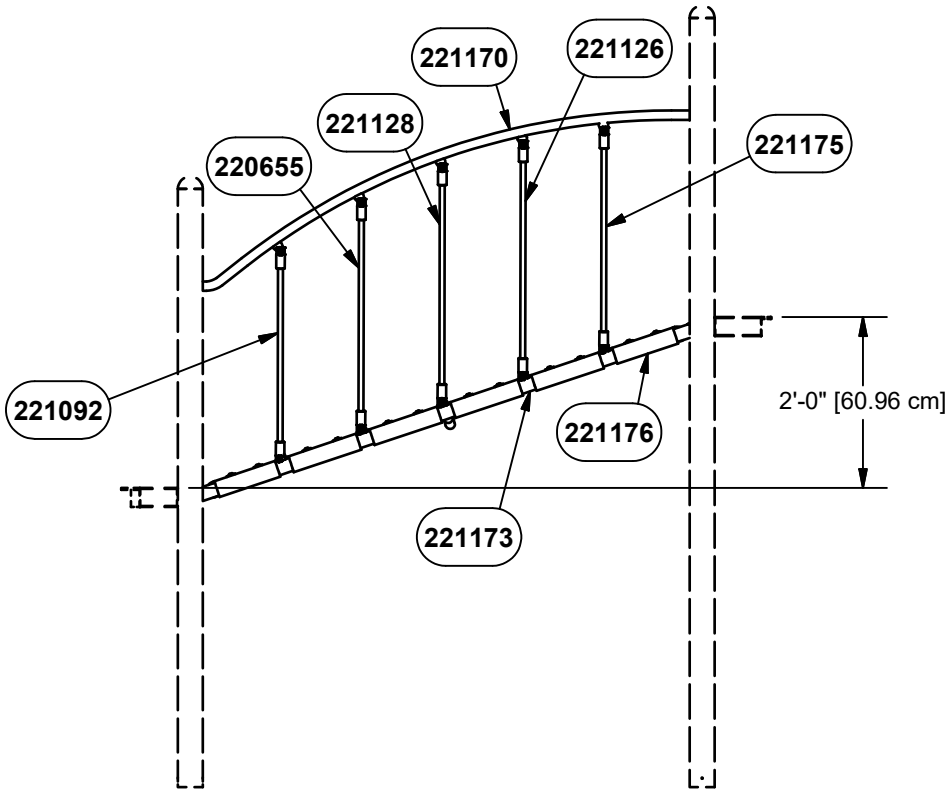

**ELEVATION VIEW**
19882



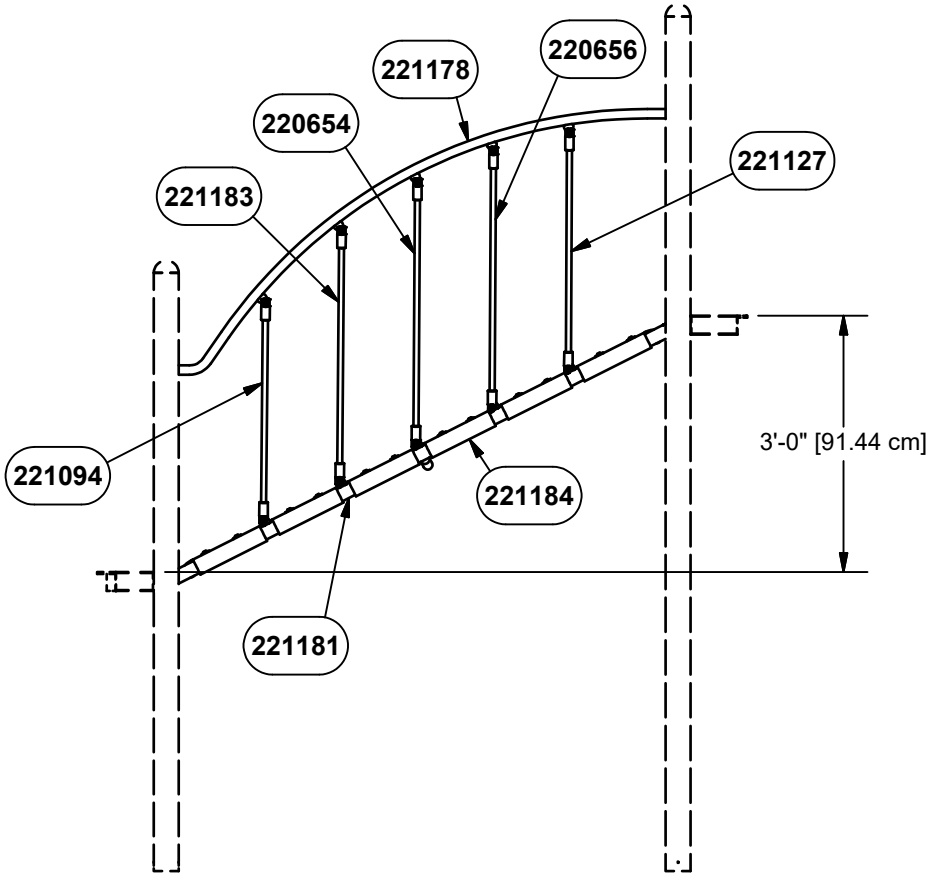

**ELEVATION VIEW**
19883



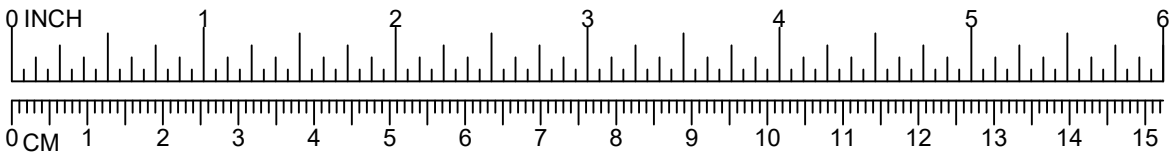

**ELEVATION VIEW**
19884

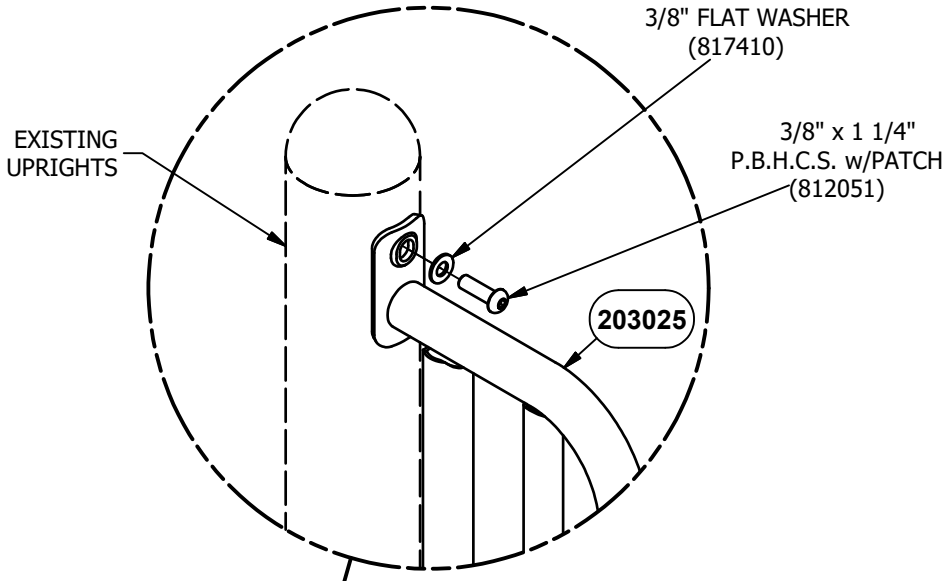



**ELEVATION VIEW**
19885

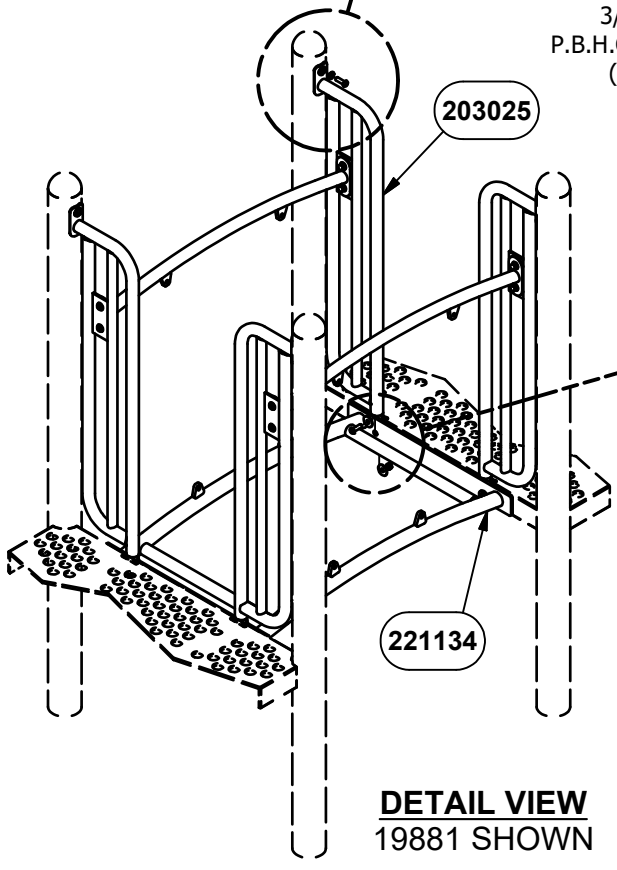



**ELEVATION VIEW**
19886

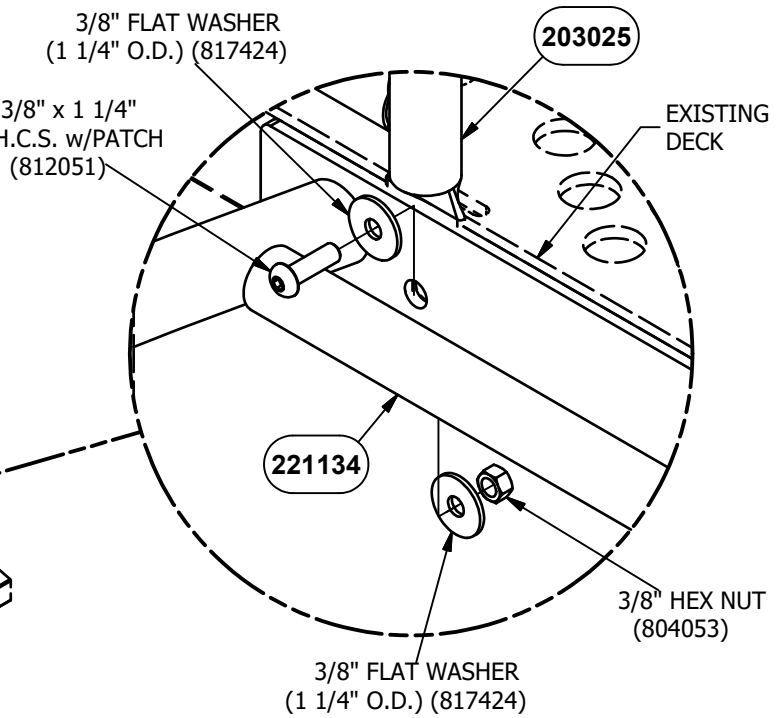



**STEP 1**
4 PLACES

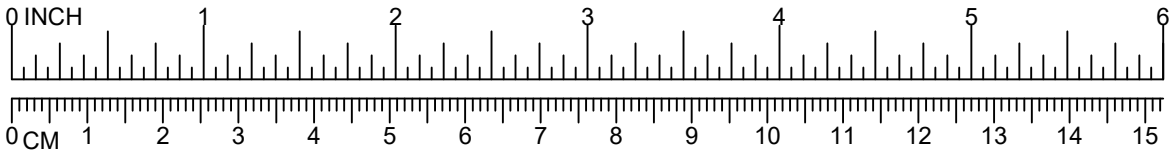


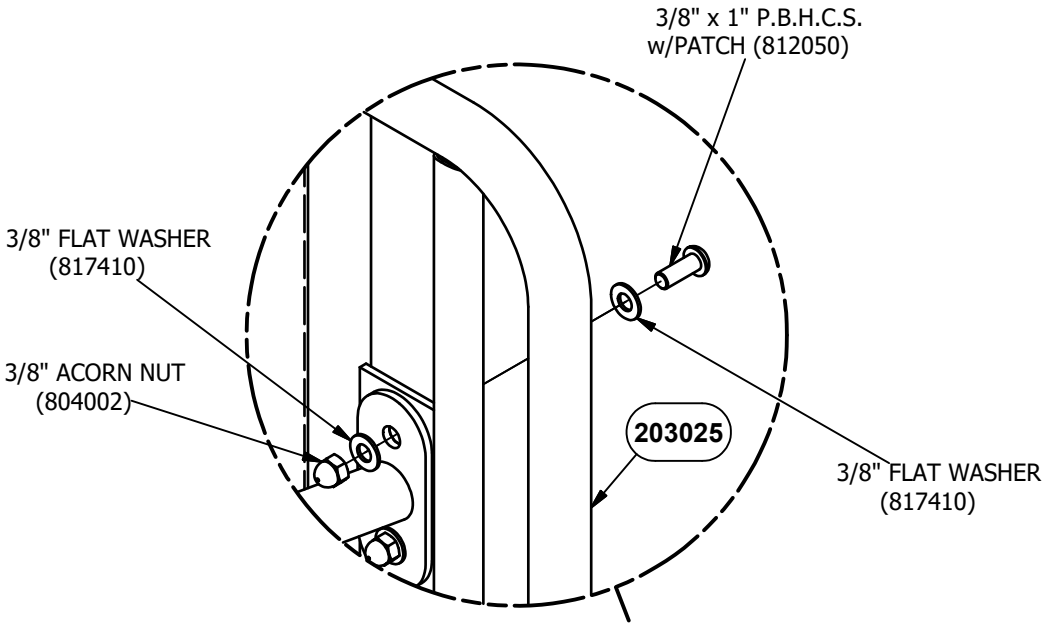

**DETAIL VIEW**
19881 SHOWN



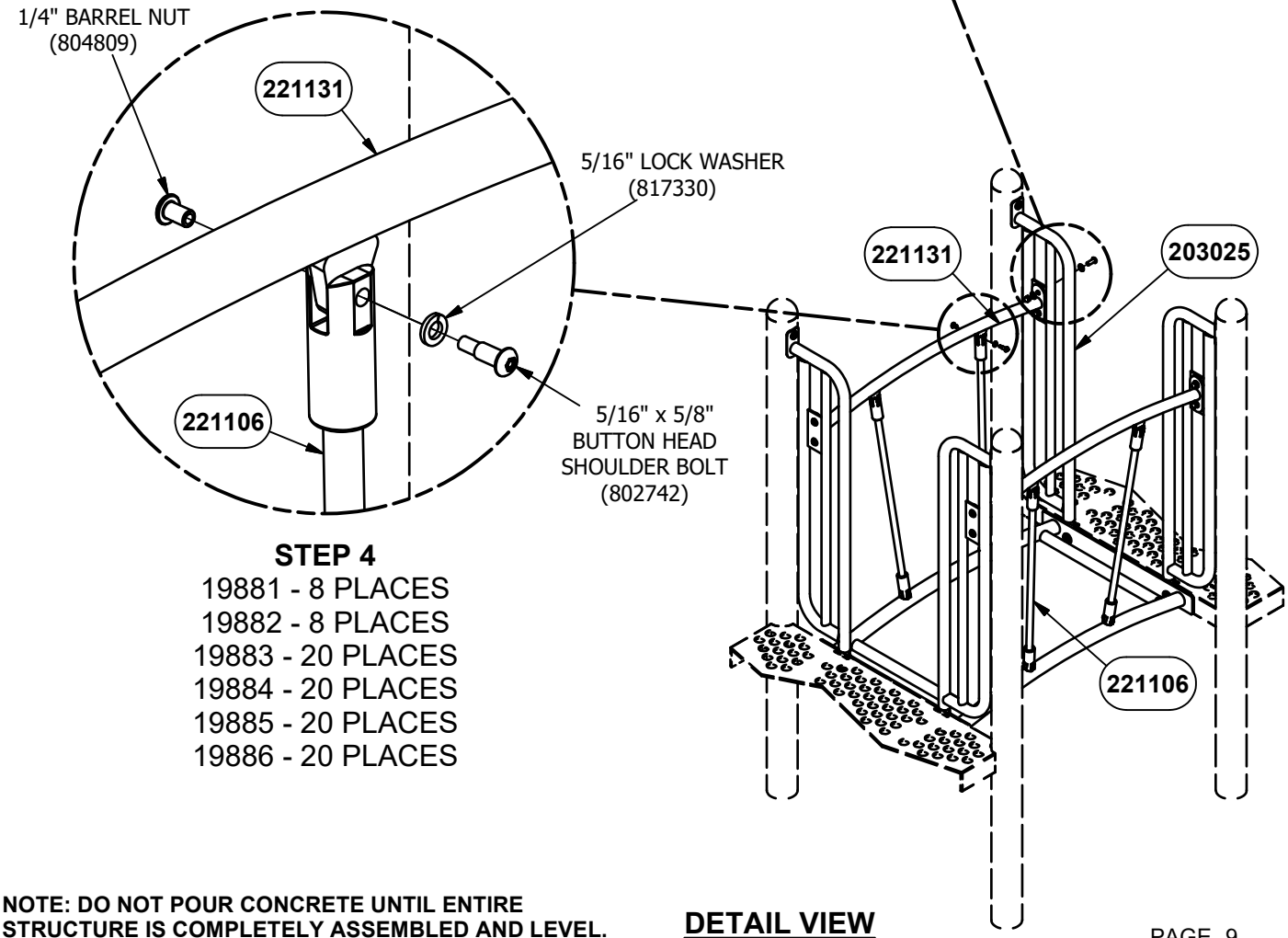

**STEP 2**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



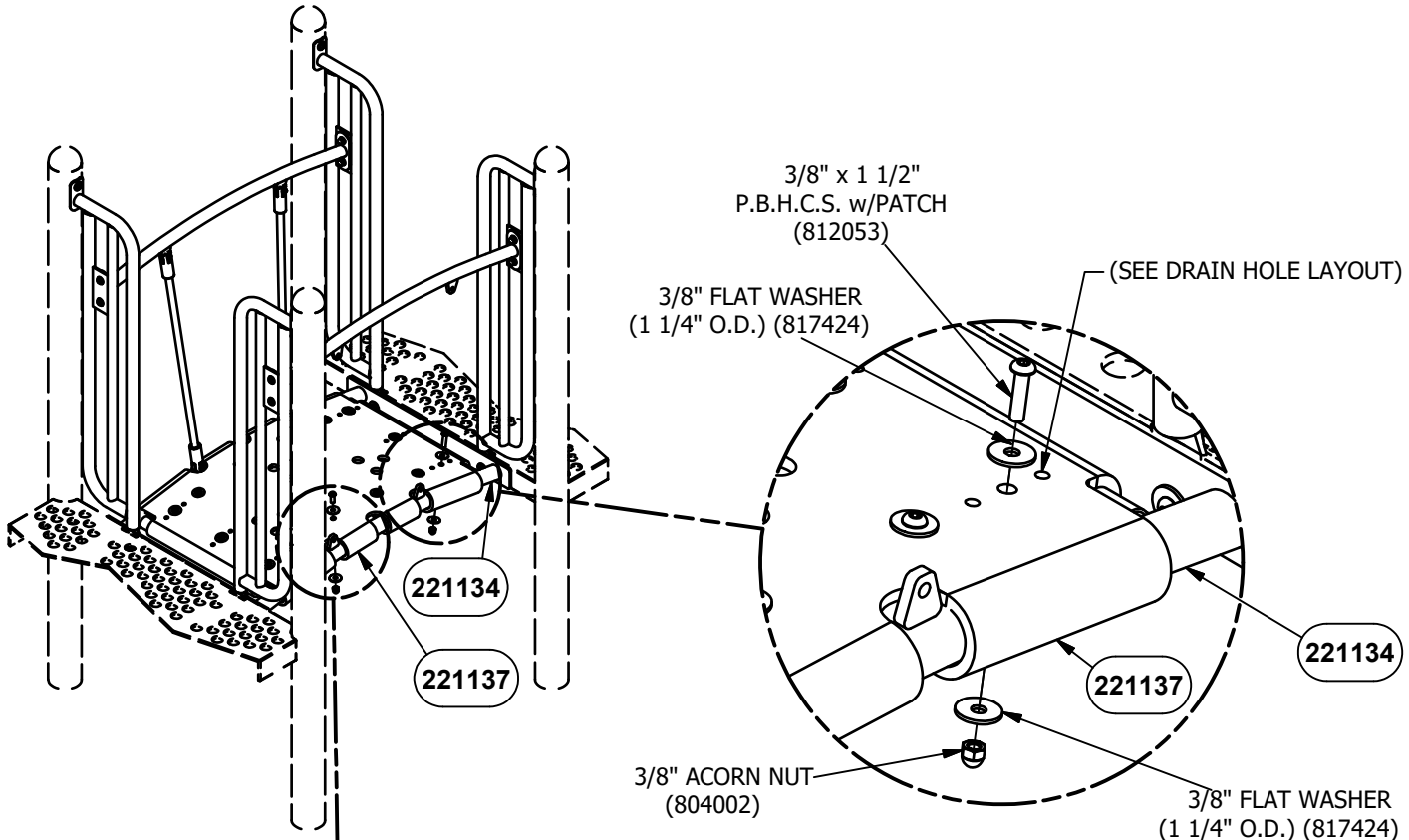

**STEP 3**
8 PLACES



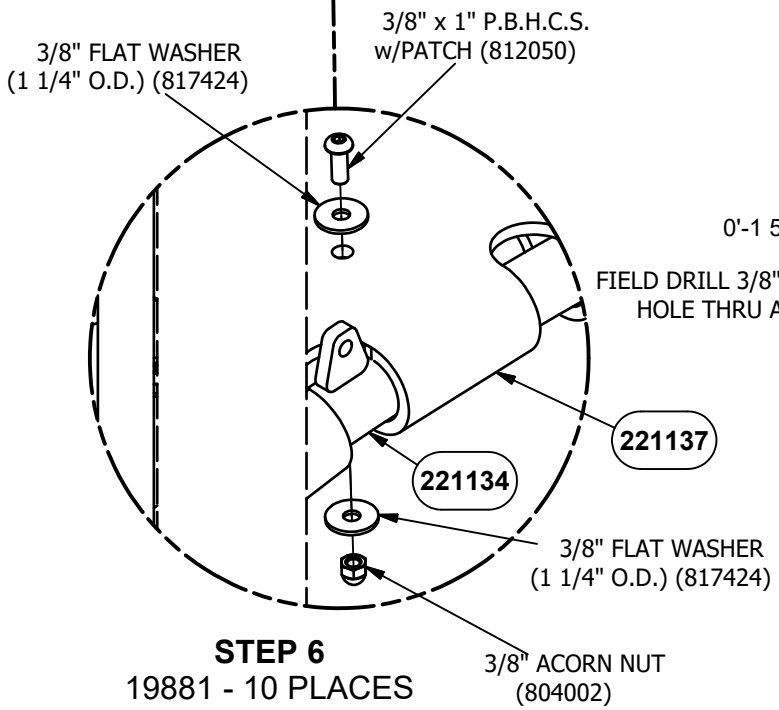

**STEP 4**
19881 - 8 PLACES
19882 - 8 PLACES
19883 - 20 PLACES
19884 - 20 PLACES
19885 - 20 PLACES
19886 - 20 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

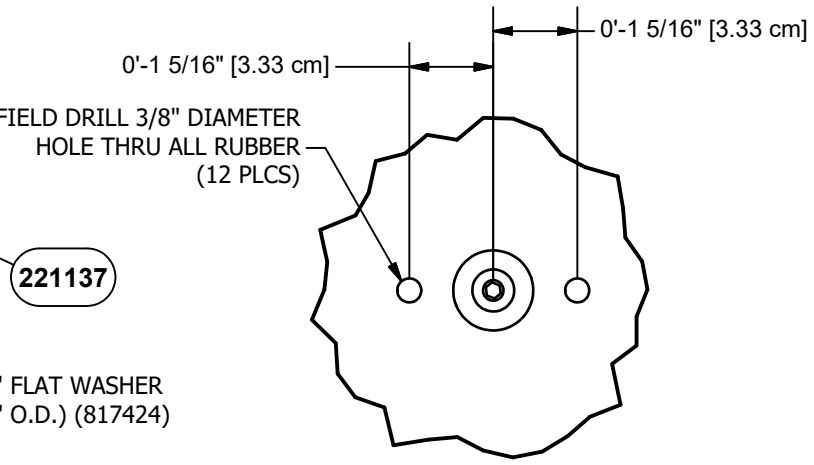
**DETAIL VIEW**
19881 SHOWN




**STEP 5**
4 PLACES




**STEP 6**
19881 - 10 PLACES
19882 - 10 PLACES
19883 - 22 PLACES
19884 - 22 PLACES
19885 - 22 PLACES
19886 - 22 PLACES




**DRAIN HOLE LAYOUT**
6 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**
19881 SHOWN

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION | 19881 | 19882 | 19883 | 19884 | 19885 | 19886 | PART NUMBER |
| TOP RAIL WELD ASSEMBLY | 2 | 0 | 0 | 0 | 0 | 0 | 221131 |
| TOP RAIL WELD ASSEMBLY | 0 | 2 | 0 | 0 | 0 | 0 | 221145 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 2 | 0 | 0 | 0 | 221152 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 0 | 2 | 0 | 0 | 221164 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221170 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 221178 |
| BOTTOM SUPPORT WELD ASSEMBLY | 1 | 0 | 0 | 0 | 0 | 0 | 221134 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 1 | 0 | 0 | 0 | 0 | 221148 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 0 | 1 | 0 | 0 | 0 | 221155 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 0 | 0 | 1 | 0 | 0 | 221167 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 0 | 0 | 0 | 1 | 0 | 221173 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 1 | 221181 |
| D-RING w/ PLATE | 4 | 4 | 4 | 4 | 4 | 4 | 203025 |
| RUBBER MAT | 1 | 0 | 0 | 0 | 0 | 0 | 221137 |
| RUBBER MAT | 0 | 1 | 0 | 0 | 0 | 0 | 221150 |
| RUBBER BELT | 0 | 0 | 1 | 0 | 0 | 0 | 221159 |
| RUBBER MAT | 0 | 0 | 0 | 1 | 0 | 0 | 221162 |
| RUBBER MAT | 0 | 0 | 0 | 0 | 1 | 0 | 221176 |
| RUBBER MAT | 0 | 0 | 0 | 0 | 0 | 1 | 221184 |
| CABLE ASSEMBLY | 4 | 0 | 10 | 0 | 0 | 0 | 221106 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 2 | 0 | 0 | 221116 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 2 | 0 | 0 | 221161 |
| CABLE ASSEMBLY | 0 | 2 | 0 | 2 | 0 | 0 | 221115 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221126 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 221127 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221128 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 221183 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221175 |
| CABLE ASSEMBLY 1 | 0 | 0 | 0 | 4 | 0 | 0 | 221090 |
| CABLE ASSEMBLY 2 | 0 | 2 | 0 | 0 | 2 | 0 | 221092 |
| CABLE ASSEMBLY 3 | 0 | 0 | 0 | 0 | 0 | 2 | 221094 |
| CABLE 3 ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 220654 |
| CABLE 4 ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 220655 |
| CABLE 5 ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 220656 |

**CONTINUES TO NEXT PAGE**

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION | 19881 | 19882 | 19883 | 19884 | 19885 | 19886 | PART NUMBER |
| ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 0 | 0 | 0 | 221138 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 1 | 1 | 1 | 221160 |
| 1/4" BARREL NUT | 8 | 8 | 20 | 20 | 20 | 20 | 804809* |
| 5/16" x 5/8" BUTTON HEAD SHOULDER BOLT | 8 | 8 | 20 | 20 | 20 | 20 | 802742* |
| 5/16" LOCK WASHER | 8 | 8 | 20 | 20 | 20 | 20 | 817330* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 18 | 18 | 30 | 30 | 30 | 30 | 812050* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 8 | 8 | 812051* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 4 | 812053* |
| 3/8" FLAT WASHER | 20 | 20 | 20 | 20 | 20 | 20 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 36 | 36 | 60 | 60 | 60 | 60 | 817424* |
| 3/8" ACORN NUT | 22 | 22 | 34 | 34 | 34 | 34 | 804002* |
| 3/8" HEX NUT | 4 | 4 | 4 | 4 | 4 | 4 | 804053* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/29/2023

# 19916
# MODERN
# TRANSFER PLATFORM
# w/ GUARDRAIL

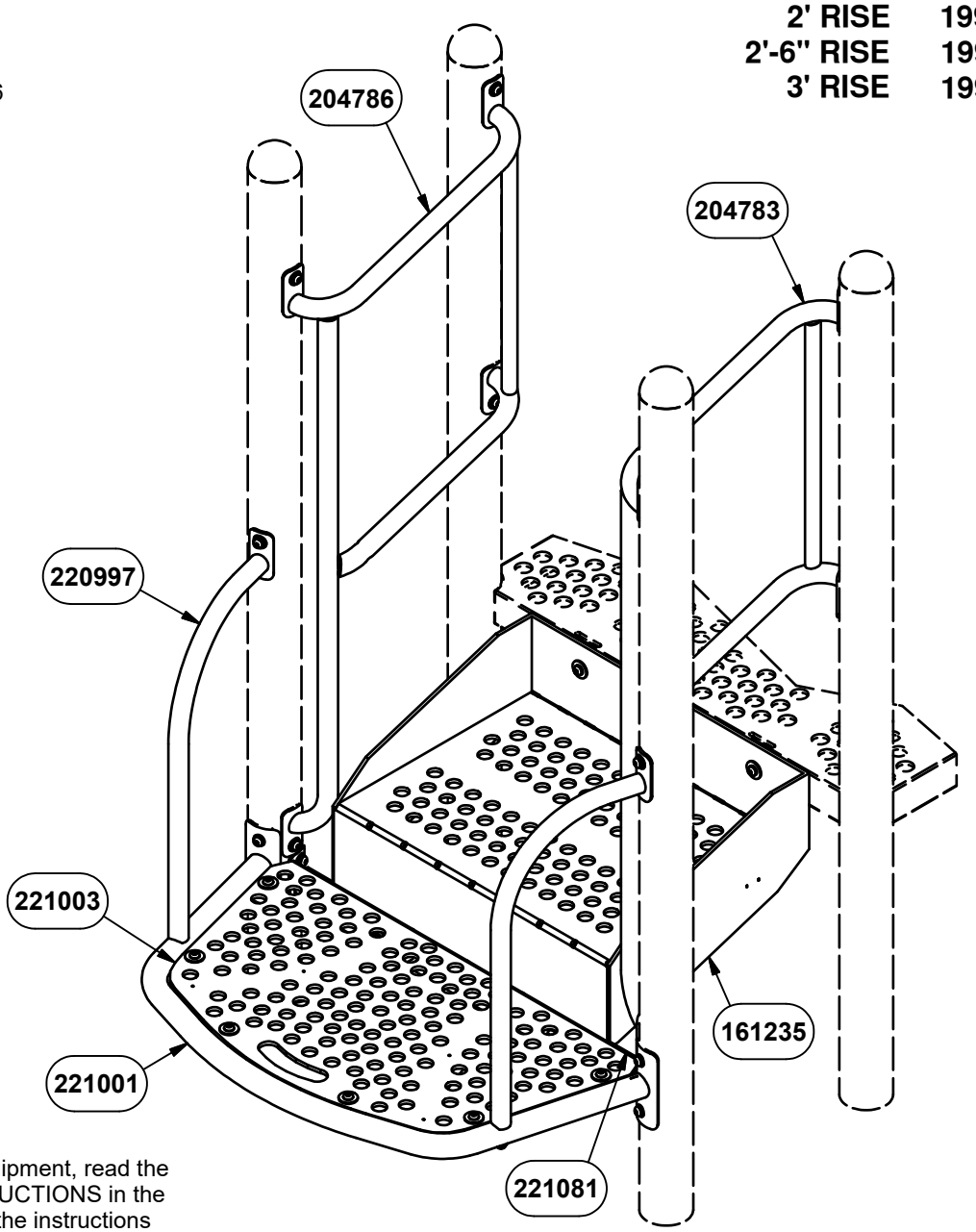
| | |
|---|---|
| 1' RISE | 19916 |
| 2' RISE | 19917 |
| 2'-6" RISE | 19918 |
| 3' RISE | 19919 |




19916



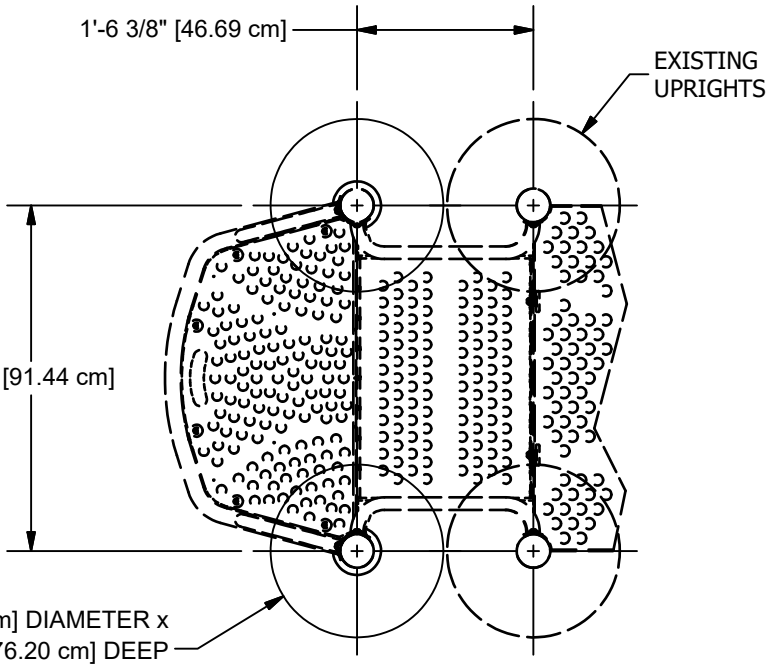

19916
19917
19918
19919




**ASSEMBLY VIEW**
19916 SHOWN

## INSTALLATION INSTRUCTIONS

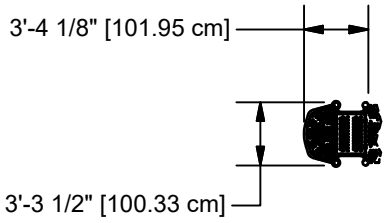
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



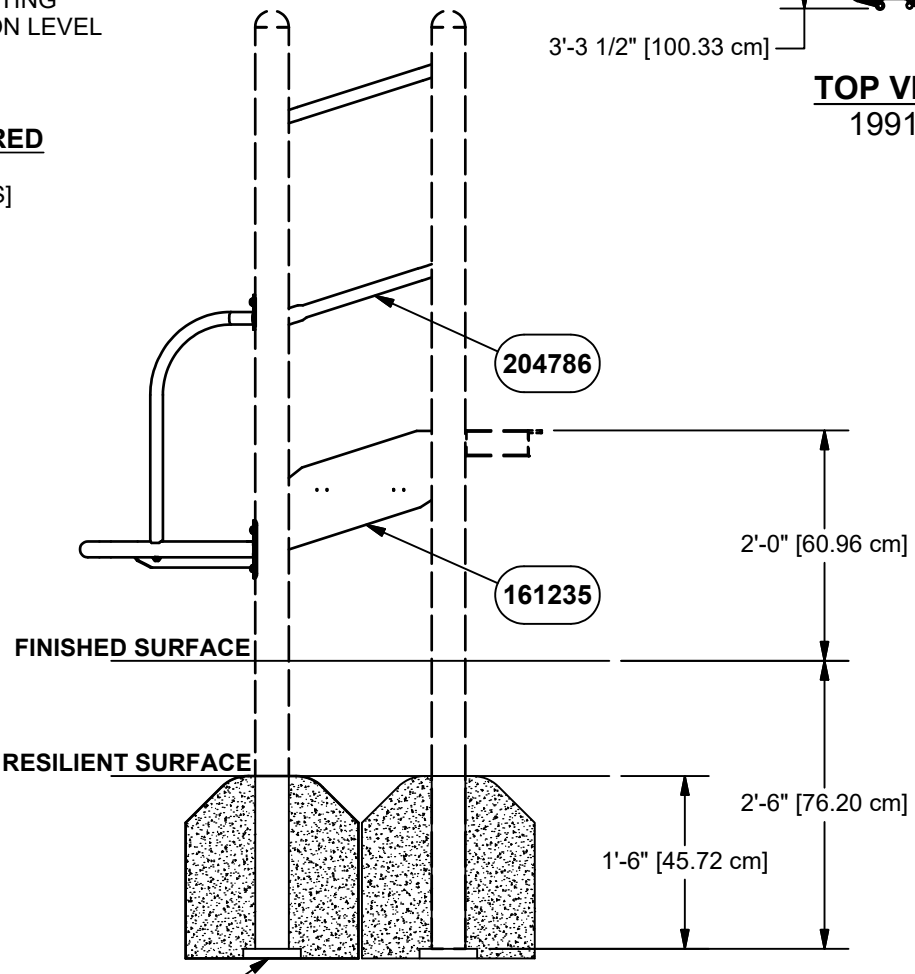

**PLAN VIEW**
19916

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

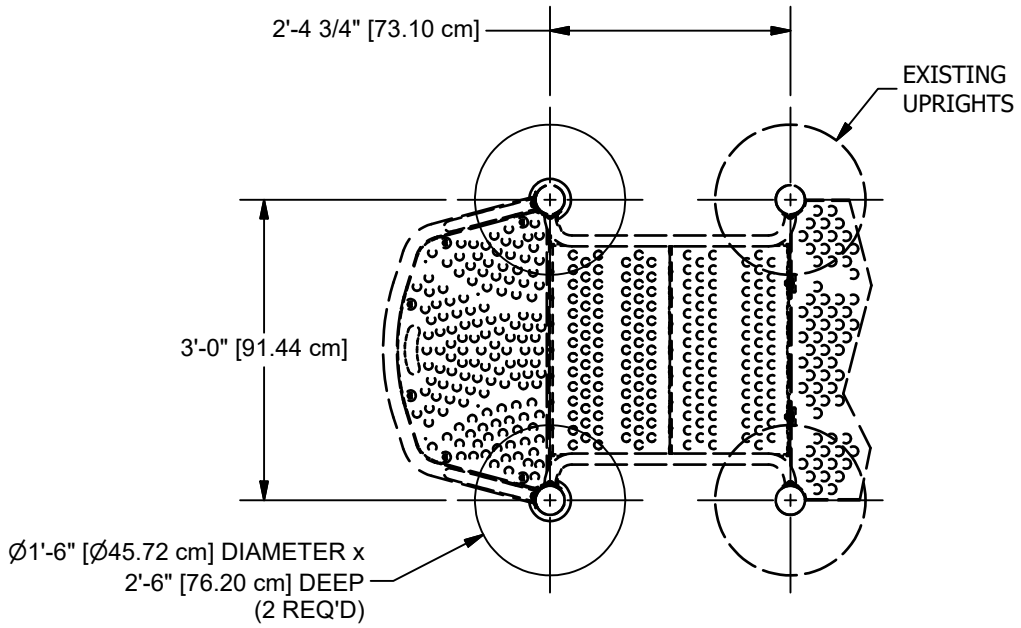
**CONCRETE REQUIRED**
.21 CUBIC YARDS
[.16 CUBIC METERS]




**TOP VIEW**
19916



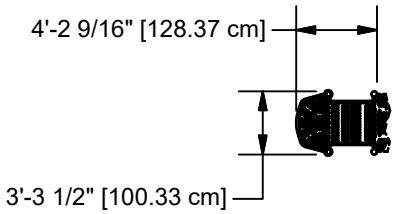

**ELEVATION VIEW**
19916



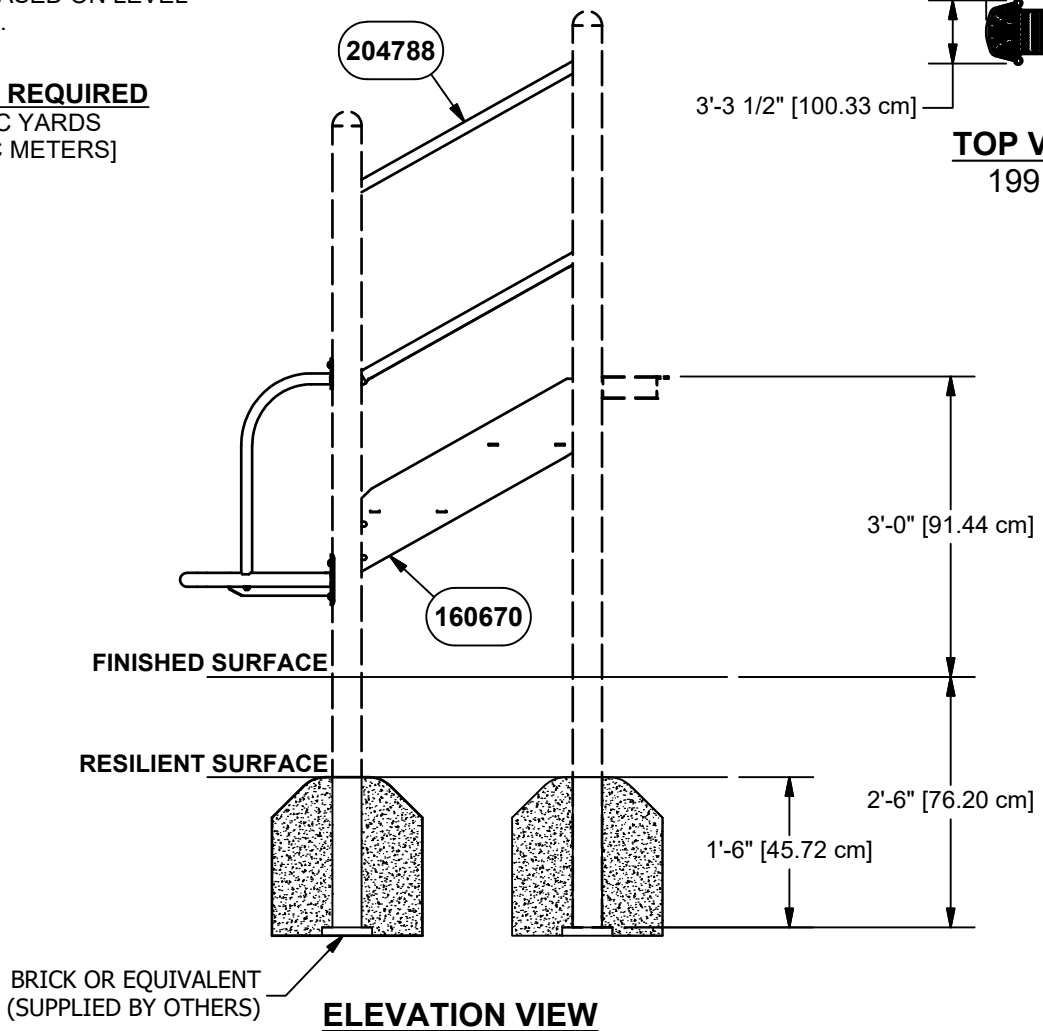

**PLAN VIEW**
19917

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

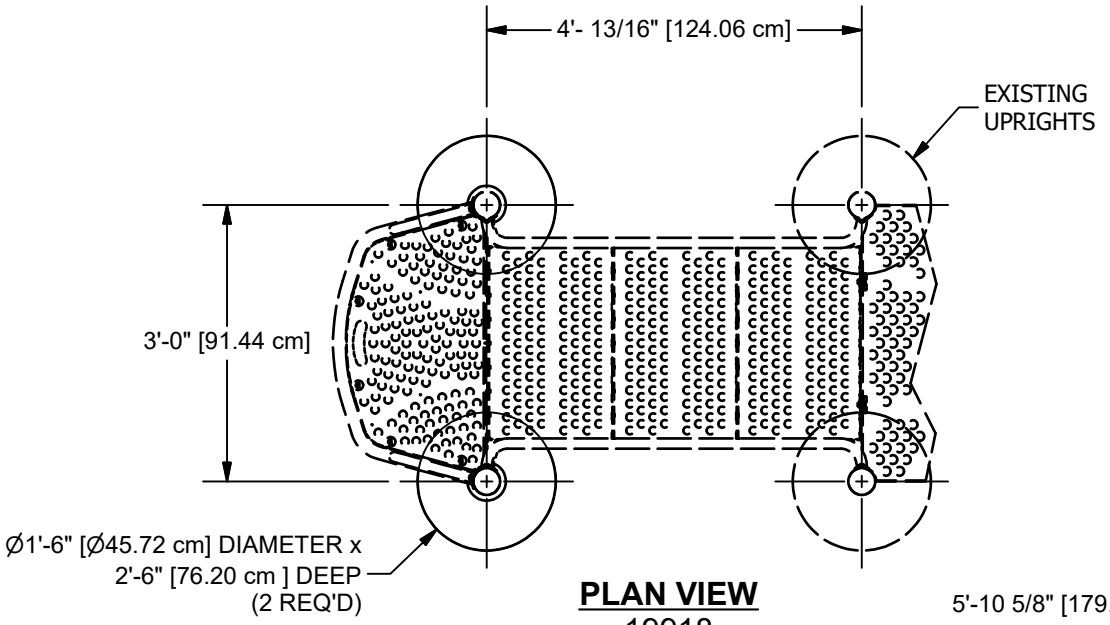
**CONCRETE REQUIRED**
.21 CUBIC YARDS
[.16 CUBIC METERS]




**TOP VIEW**
19917

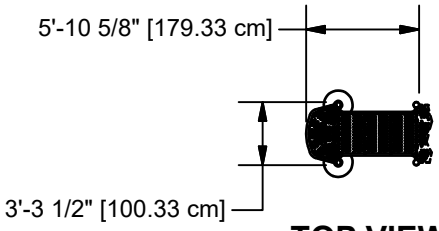



**ELEVATION VIEW**
19917



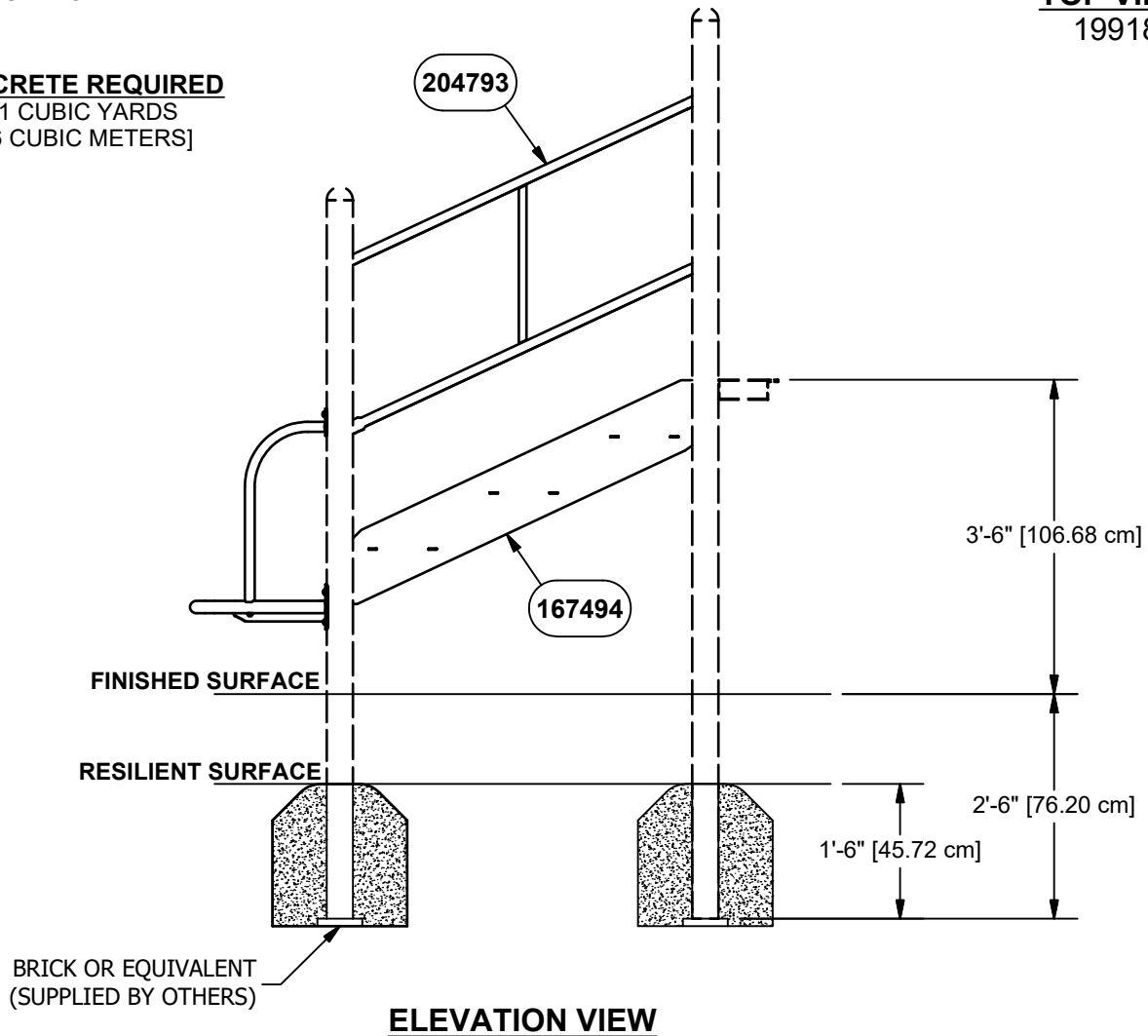

**PLAN VIEW**
19918

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

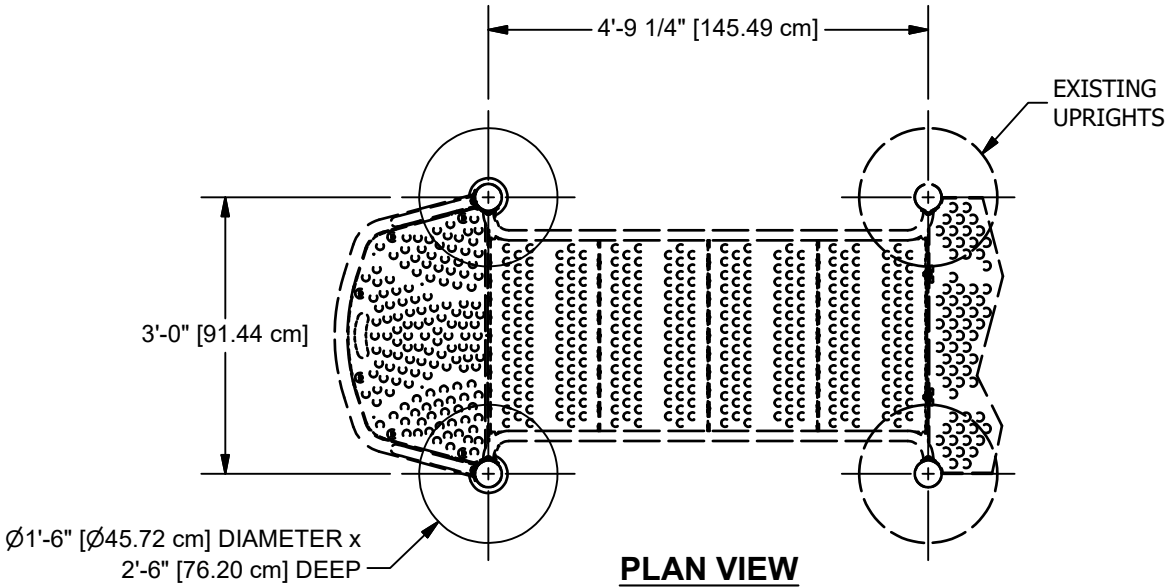



**TOP VIEW**
19918

**CONCRETE REQUIRED**
.21 CUBIC YARDS
[.16 CUBIC METERS]

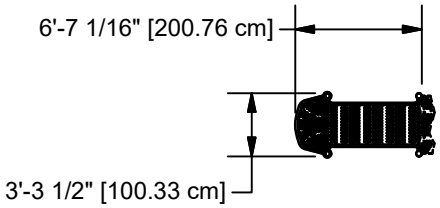



**ELEVATION VIEW**
19918



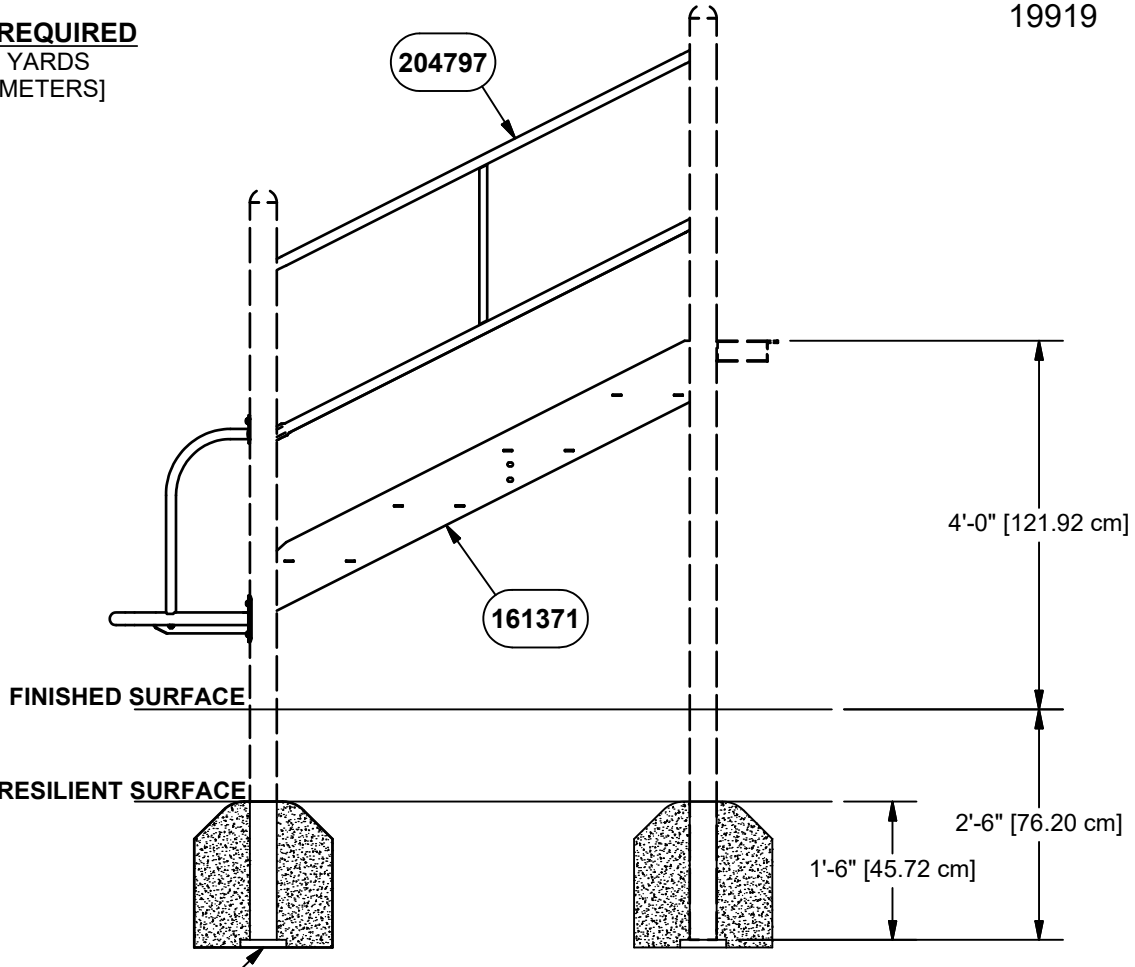

**PLAN VIEW**
19919

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

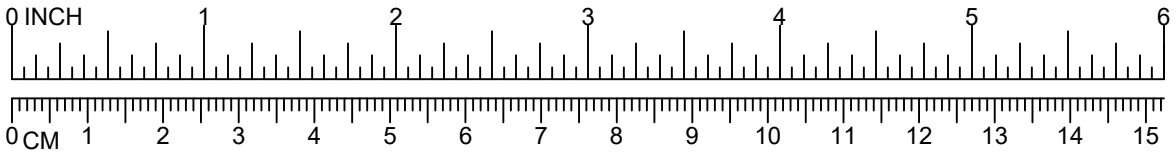


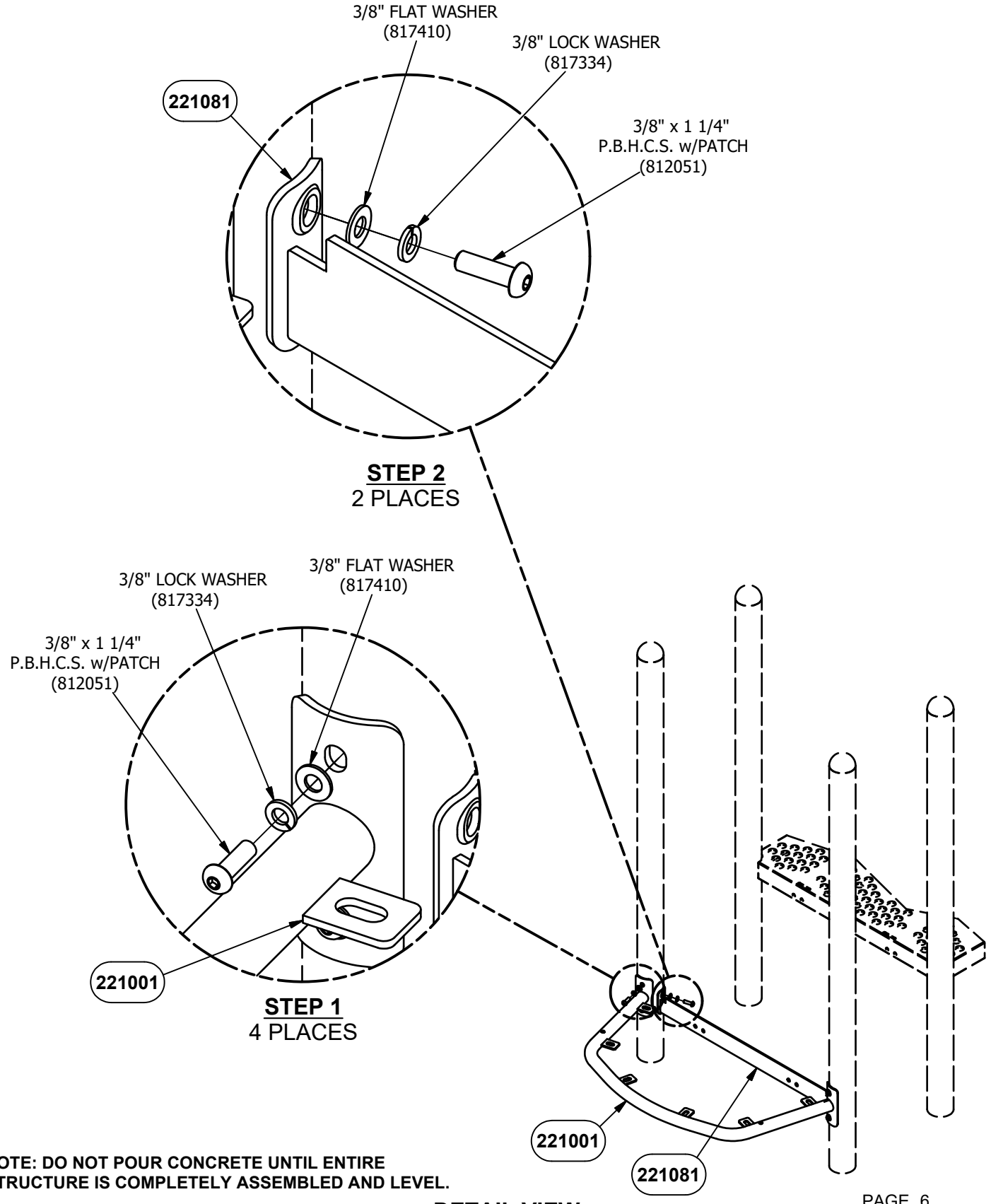

**TOP VIEW**
19919

**CONCRETE REQUIRED**
.21 CUBIC YARDS
[.16 CUBIC METERS]




**ELEVATION VIEW**
19919

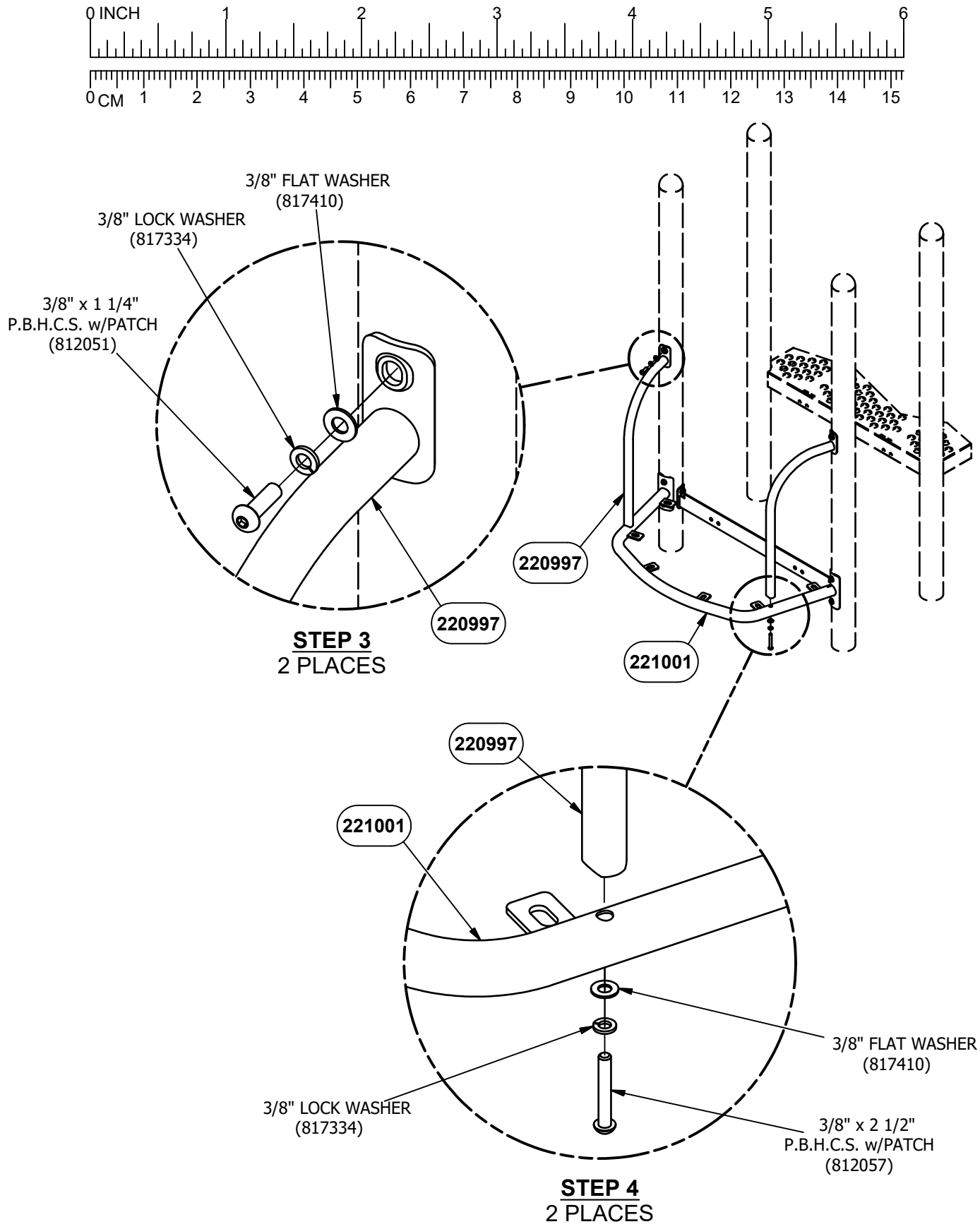



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



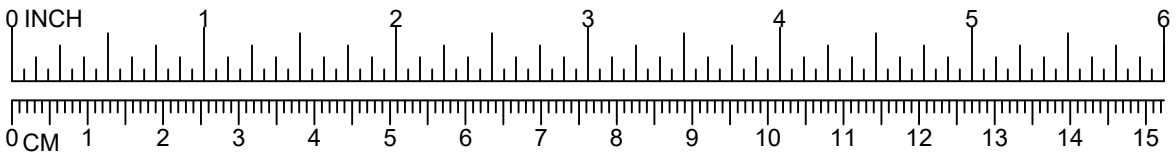
## DETAIL VIEW

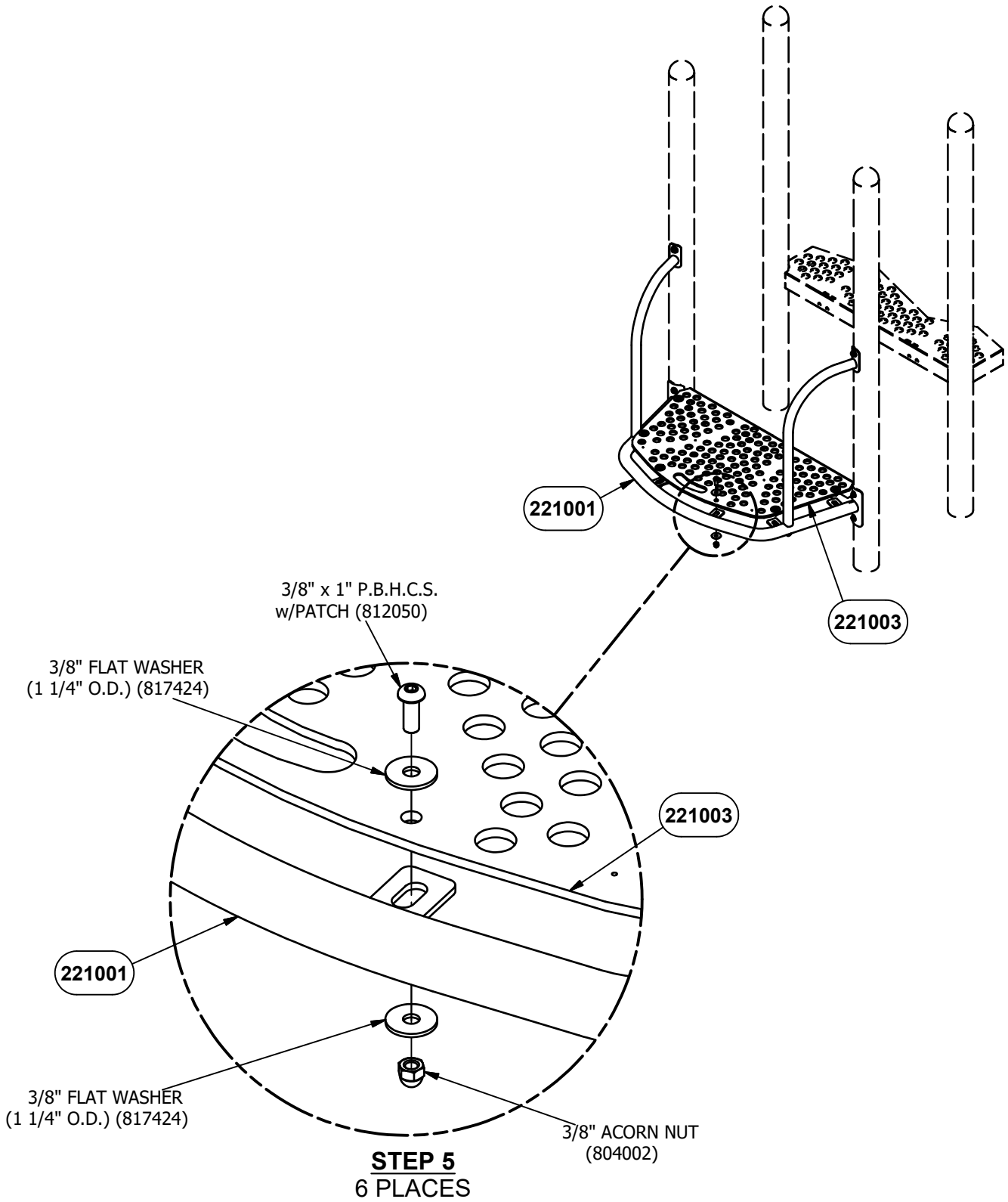



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW



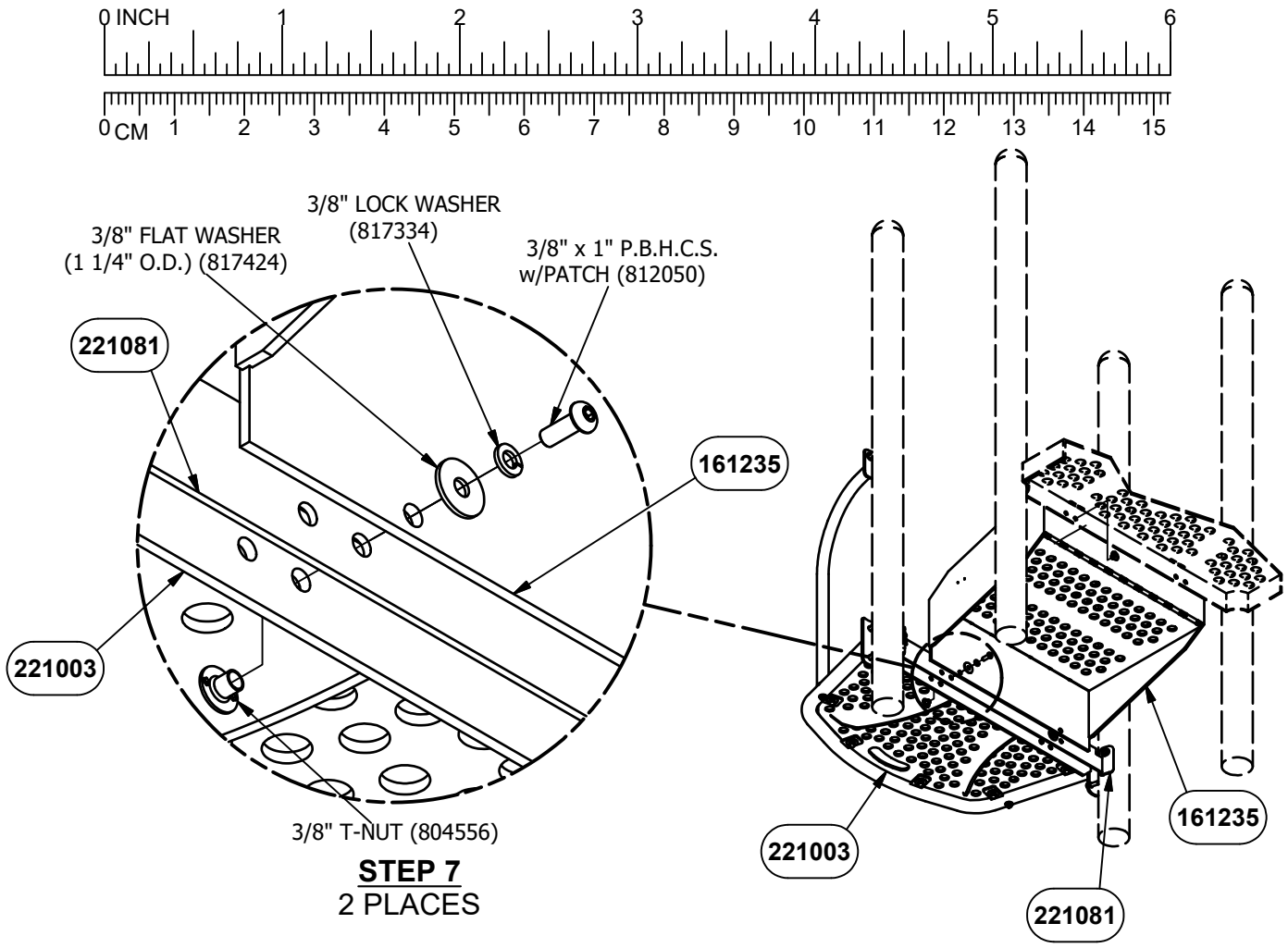




**STEP 5**
6 PLACES

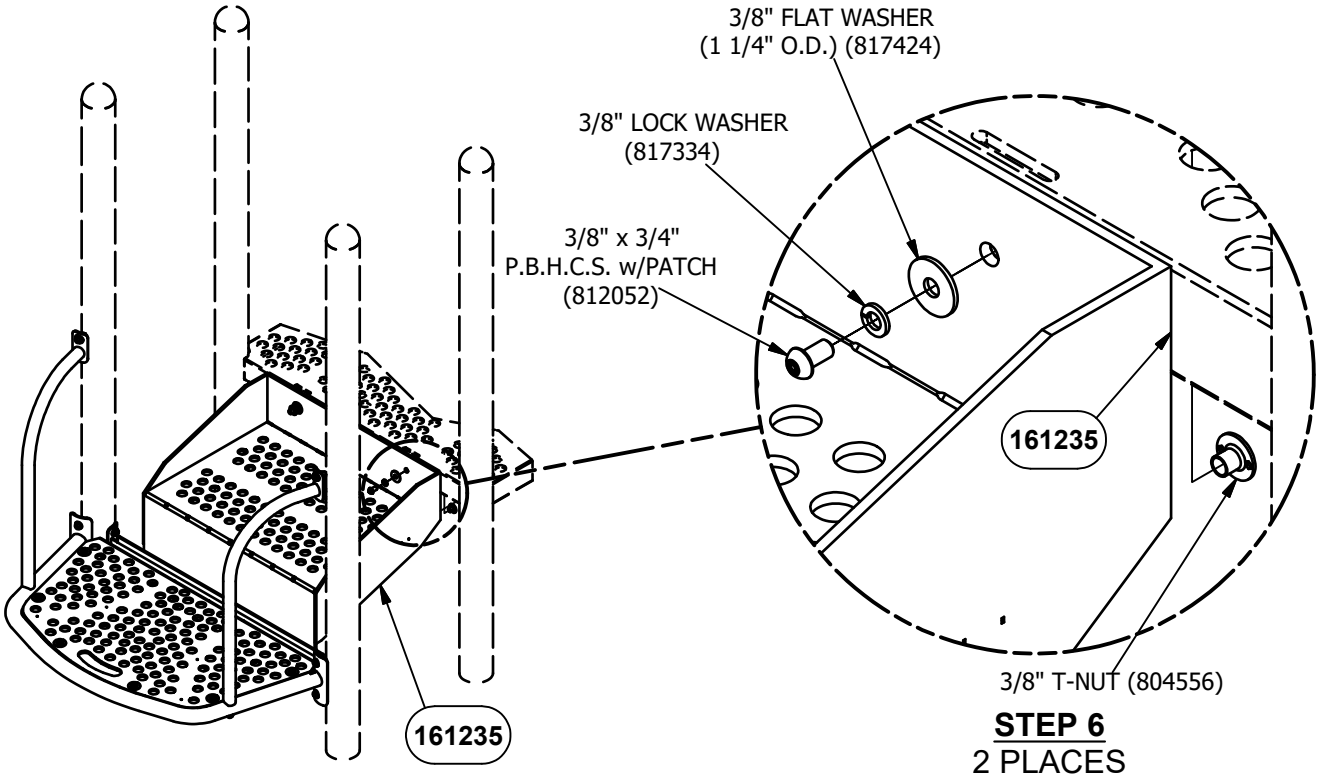
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




**STEP 7**
2 PLACES

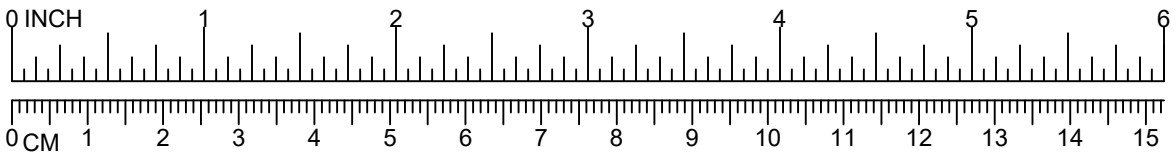


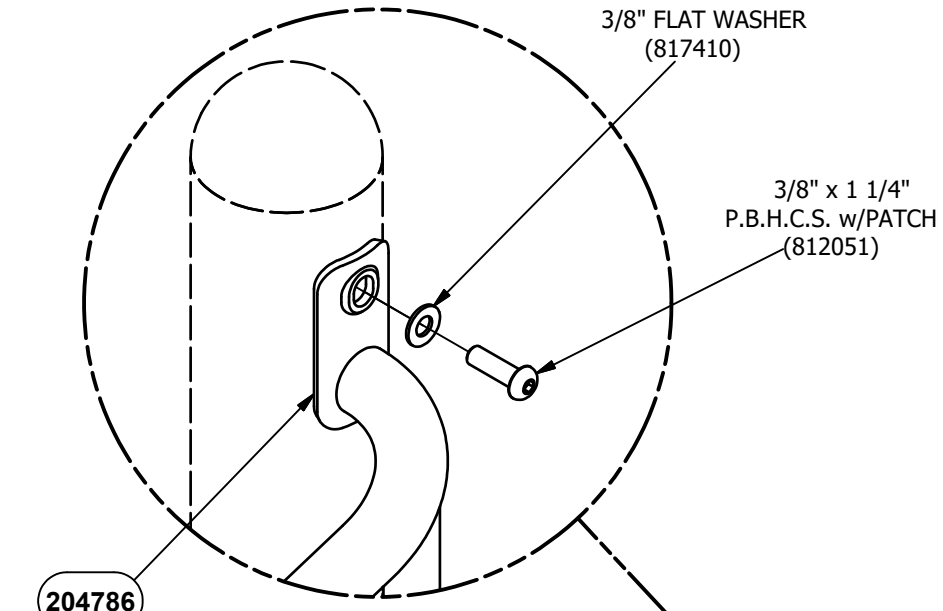

**STEP 6**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

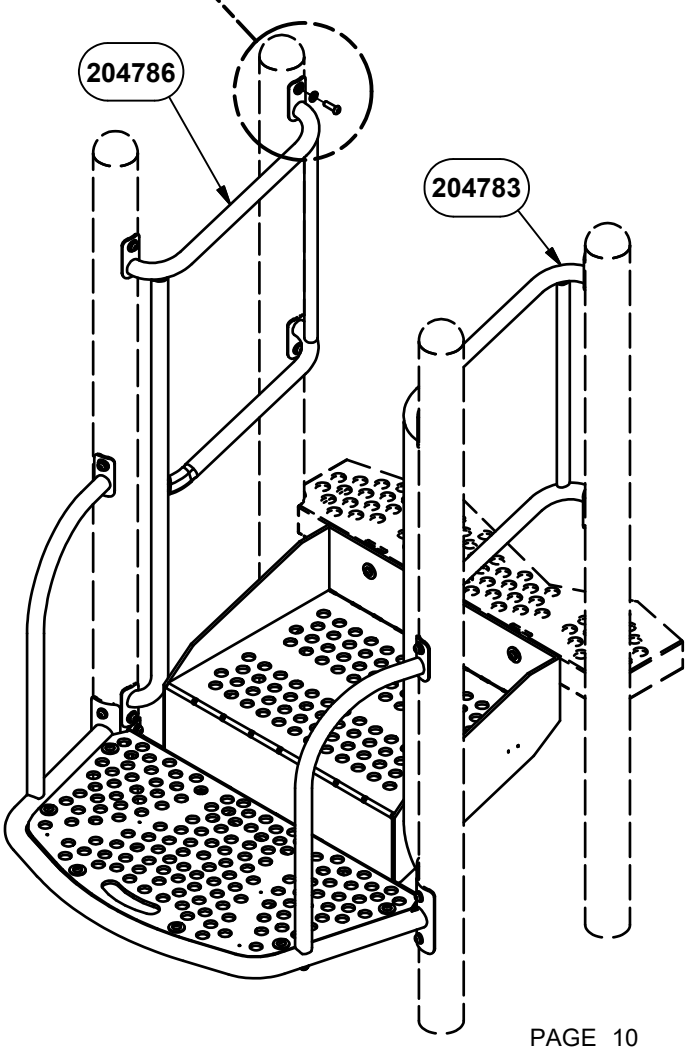


## DETAIL VIEW




**STEP 8**
8 PLACES




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 19916 | 19917 | 19918 | 19919 | PART NUMBER |
| COATED PLATFORM | 1 | 1 | 1 | 1 | 221003 |
| 1' COATED STEPLINK | 1 | 0 | 0 | 0 | 161235 |
| 3' COATED STEPLINK | 0 | 0 | 0 | 1 | 161371 |
| STEP ASSEMBLY | 0 | 0 | 1 | 0 | 167494 |
| STEP ASSEMBLY | 0 | 1 | 0 | 0 | 160670 |
| RIGHT GUARDRAIL WELD ASSEMBLY | 1 | 0 | 0 | 0 | 204783 |
| RIGHT GUARDRAIL WELD ASSEMBLY | 0 | 1 | 0 | 0 | 204788 |
| RIGHT GUARDRAIL WELD ASSEMBLY | 0 | 0 | 1 | 0 | 204793 |
| RIGHT GUARDRAIL WELD ASSEMBLY | 0 | 0 | 0 | 1 | 204797 |
| LEFT GUARDRAIL WELD ASSEMBLY | 1 | 0 | 0 | 0 | 204786 |
| LEFT GUARDRAIL WELD ASSEMBLY | 0 | 1 | 0 | 0 | 204791 |
| LEFT GUARDRAIL WELD ASSEMBLY | 0 | 0 | 1 | 0 | 204795 |
| LEFT GUARDRAIL WELD ASSEMBLY | 0 | 0 | 0 | 1 | 204799 |
| PLATFORM SUPPORT WELD ASSEMBLY | 1 | 1 | 1 | 1 | 221001 |
| HAND SUPPORT WELD ASSEMBLY | 2 | 2 | 2 | 2 | 220997 |
| SUPPORT WELD ASSEMBLY | 1 | 1 | 1 | 1 | 221081 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 221347 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 812052* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 812050* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 16 | 16 | 16 | 16 | 812051* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 812057* |
| 3/8" FLAT WASHER | 18 | 18 | 18 | 18 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 16 | 16 | 16 | 16 | 817424* |
| 3/8" LOCK WASHER | 14 | 14 | 14 | 14 | 817334* |
| 3/8" T-NUT | 4 | 4 | 4 | 4 | 804556* |
| 3/8" ACORN NUT | 6 | 6 | 6 | 6 | 804002* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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GameTime®

A PLAYCORE Company

1-800-235-2440

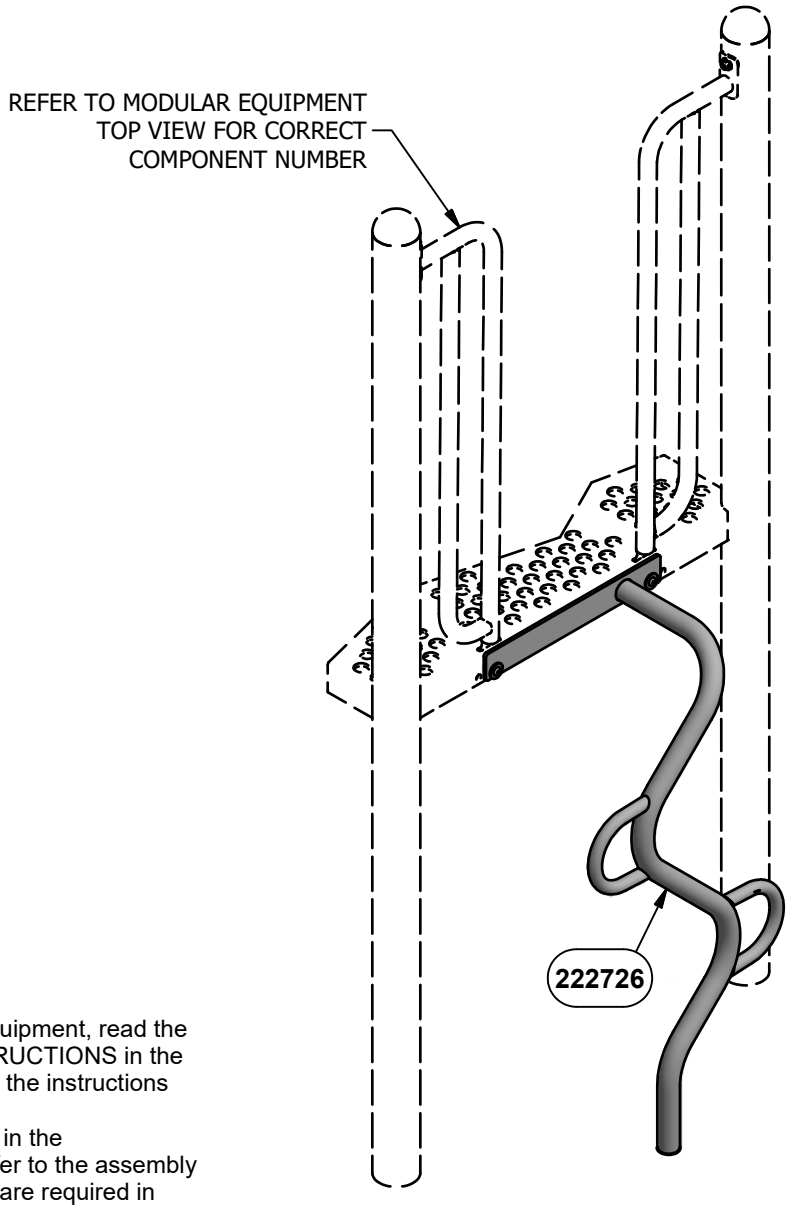
ISSUED/REVISED: 4/3/2023

# 19972

# ELEO CLIMBER




| | |
|---|---|
| 3'-0" - 3'-6" | 19972 |
| 4'-0" - 4'-6" | 19973 |
| 5'-0" - 5'-6" | 19974 |
| 6'-0" - 6'-6" | 19975 |
| 7'-0" - 7'-6" | 19976 |
| 8'-0" | 19977 |



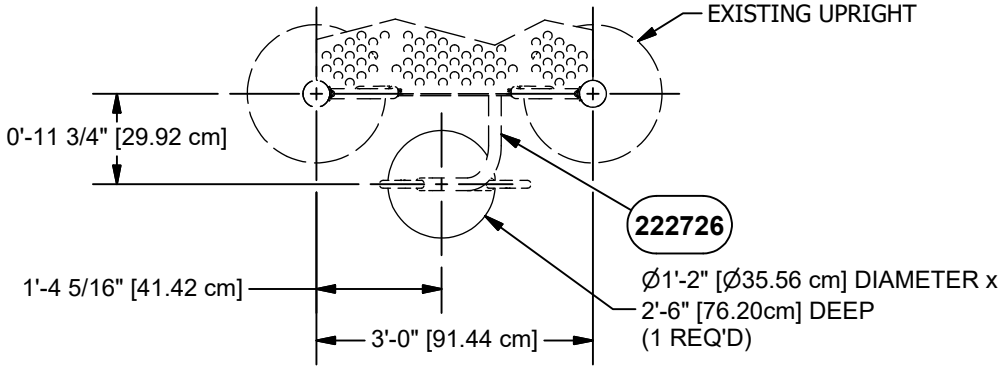

**ASSEMBLY VIEW**
19972 SHOWN
OTHERS SIMILAR

## INSTALLATION INSTRUCTIONS

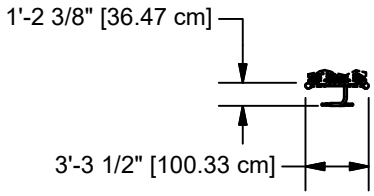
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**

**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



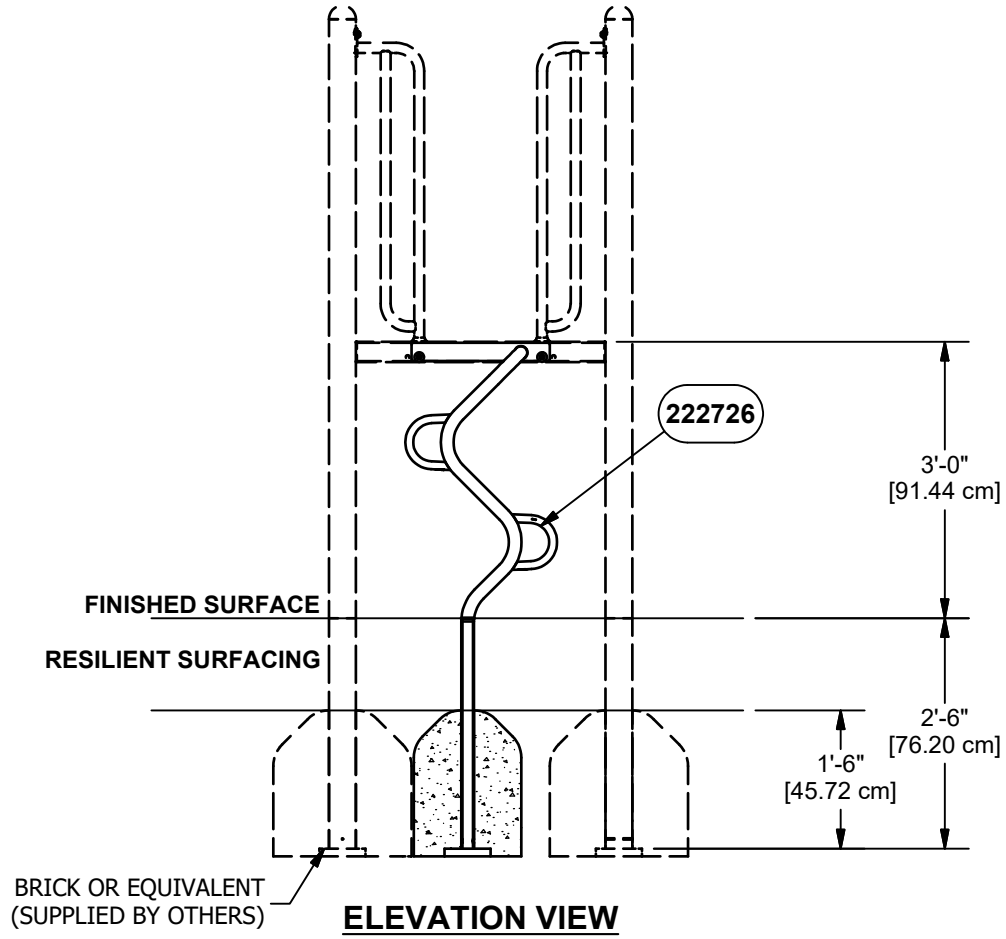

**PLAN VIEW**
19972 SHOWN
3'-0" VIEW



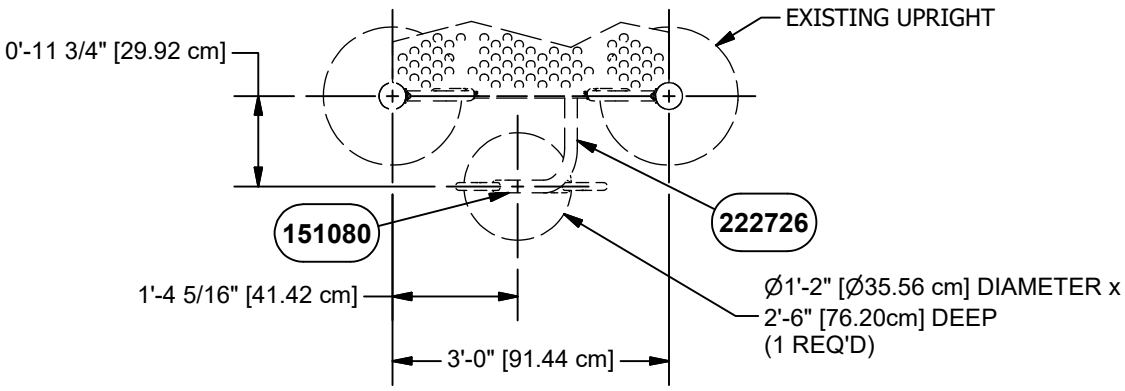

**TOP VIEW**
19972 SHOWN
3'-0" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

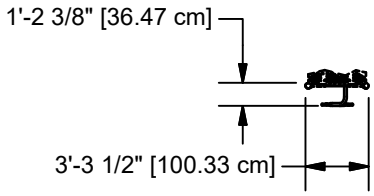
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**ELEVATION VIEW**
19972 SHOWN
3'-0" VIEW



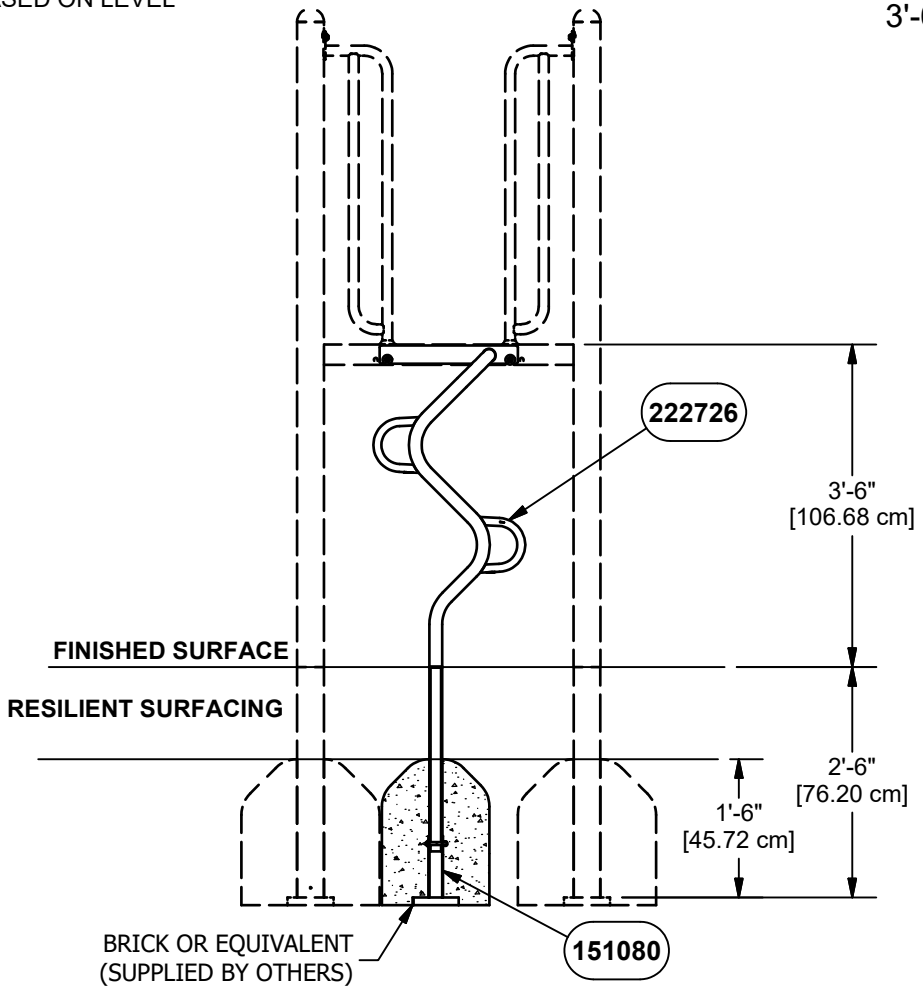

**PLAN VIEW**
19972 SHOWN
3'-6" VIEW



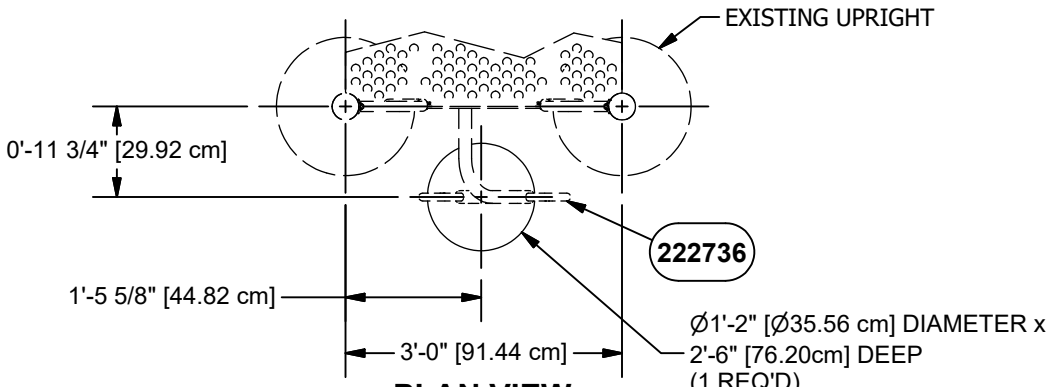

**TOP VIEW**
19972 SHOWN
3'-6" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

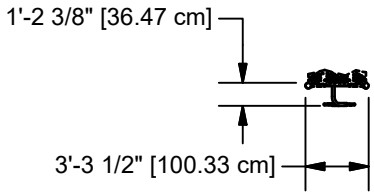
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**ELEVATION VIEW**
19972 SHOWN
3'-6" VIEW



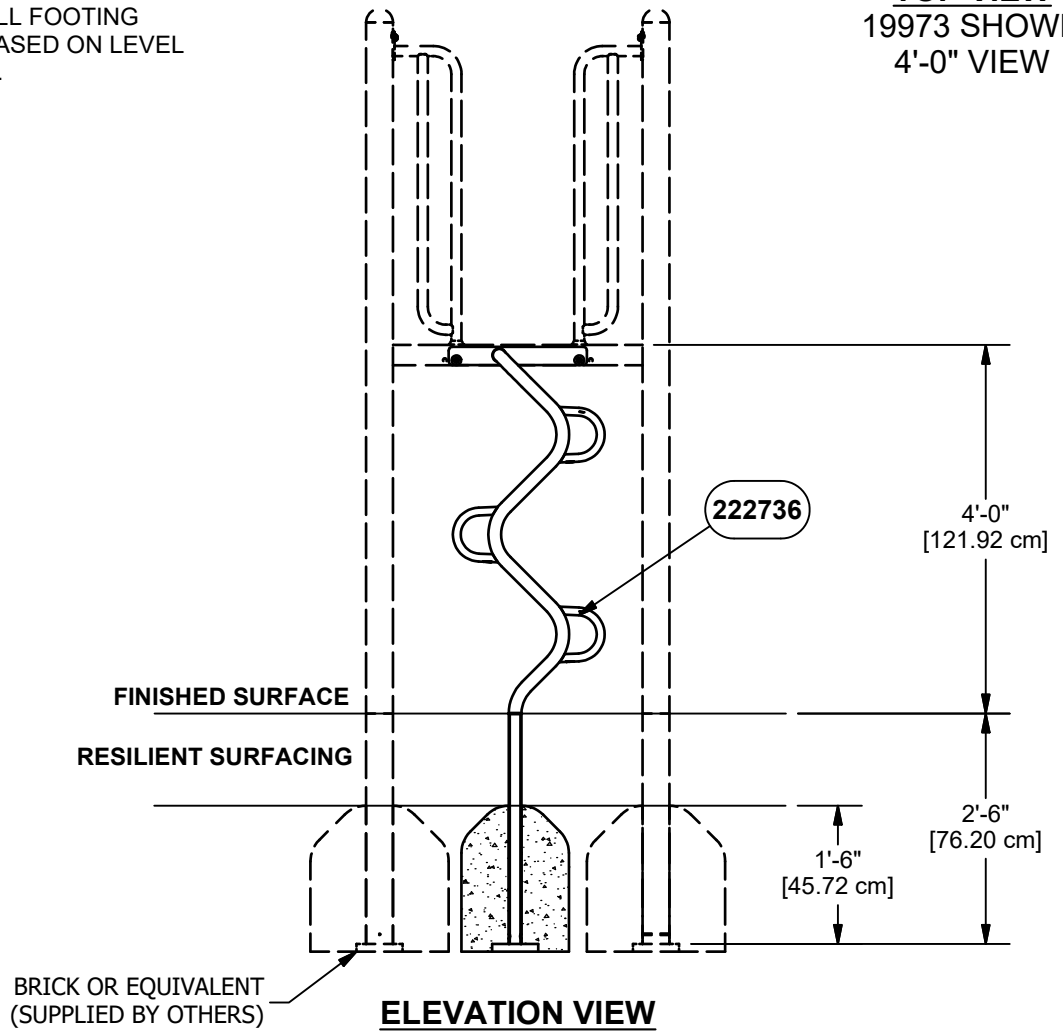

**PLAN VIEW**
19973 SHOWN
4'-0" VIEW



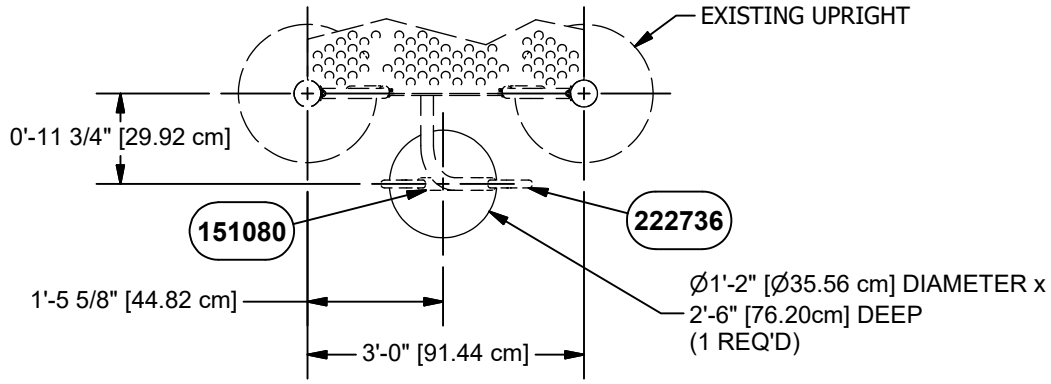

**TOP VIEW**
19973 SHOWN
4'-0" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



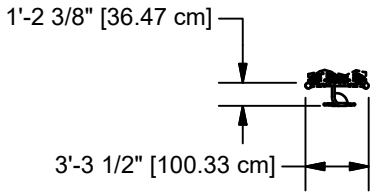

**ELEVATION VIEW**
19973 SHOWN
4'-0" VIEW



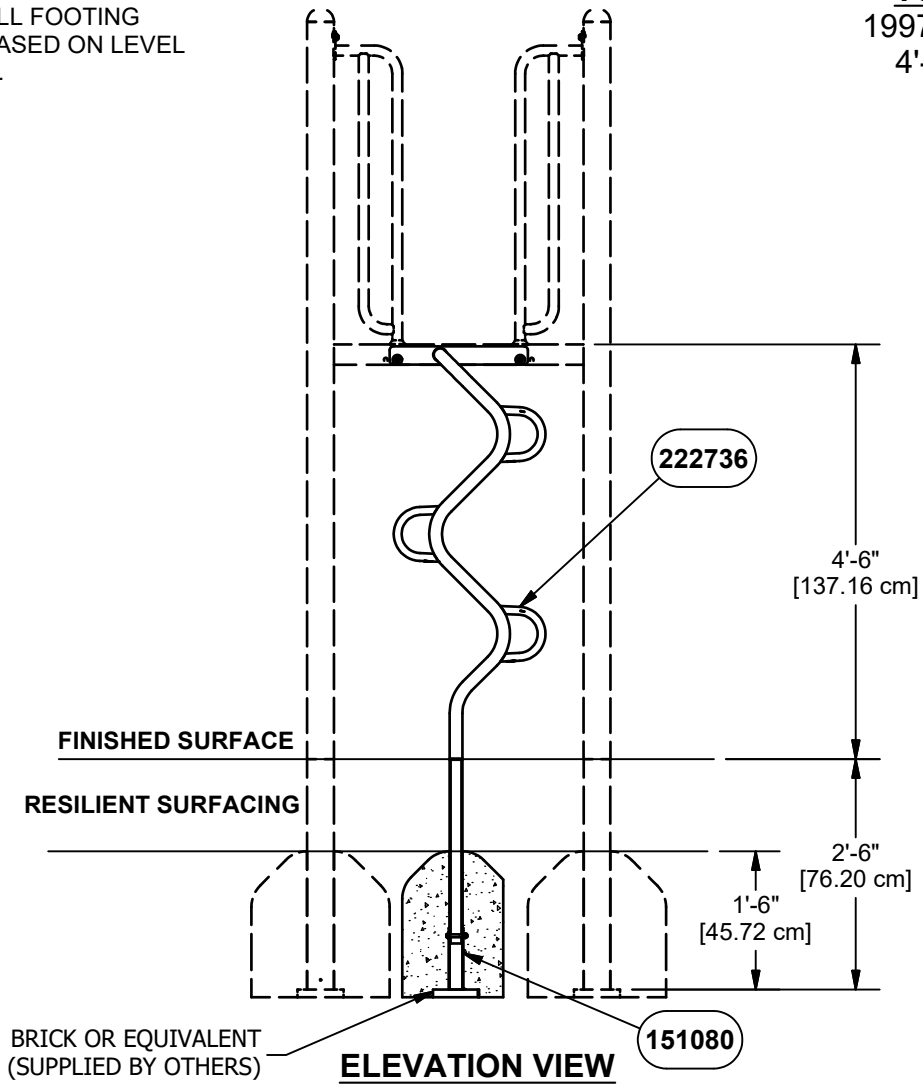

**PLAN VIEW**
19973 SHOWN
4'-6" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

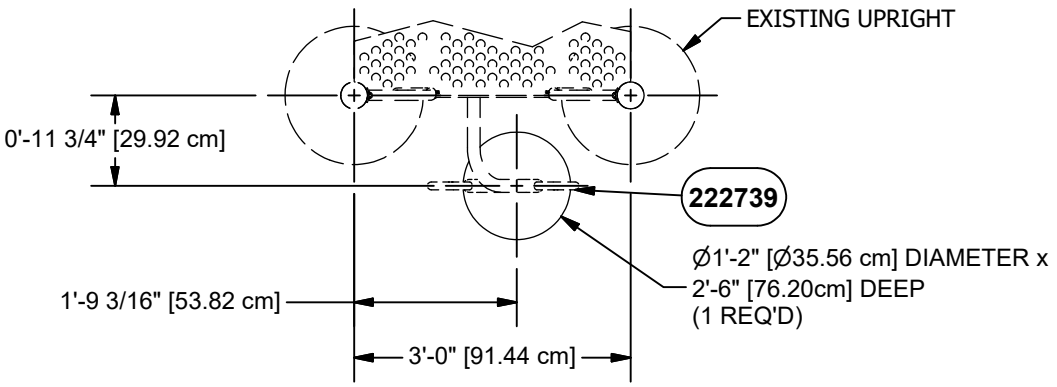
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



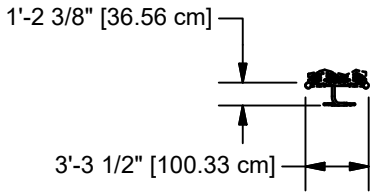

**TOP VIEW**
19973 SHOWN
4'-6" VIEW




**ELEVATION VIEW**
19973 SHOWN
4'-6" VIEW



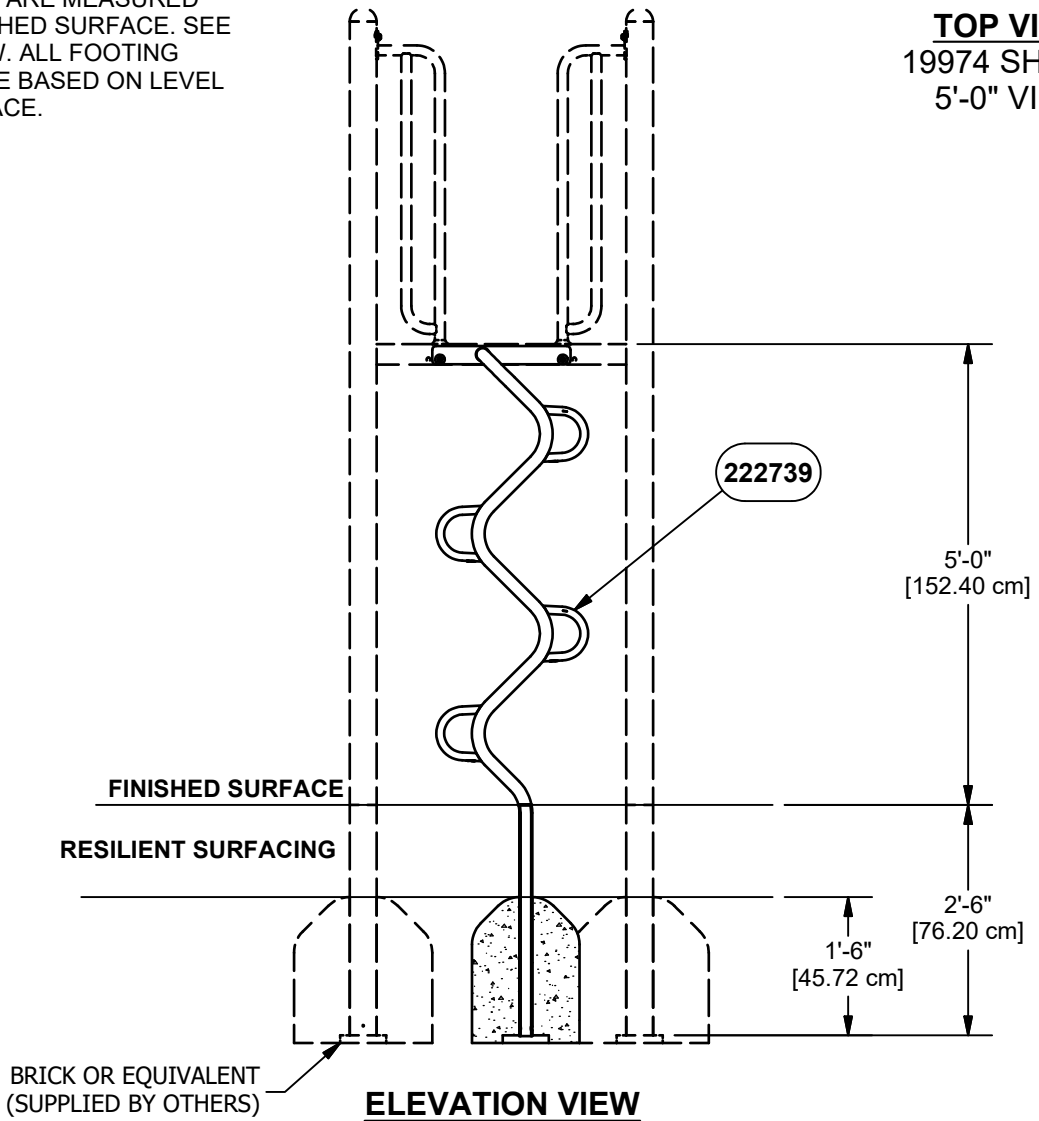

**PLAN VIEW**
19974 SHOWN
5'-0" VIEW



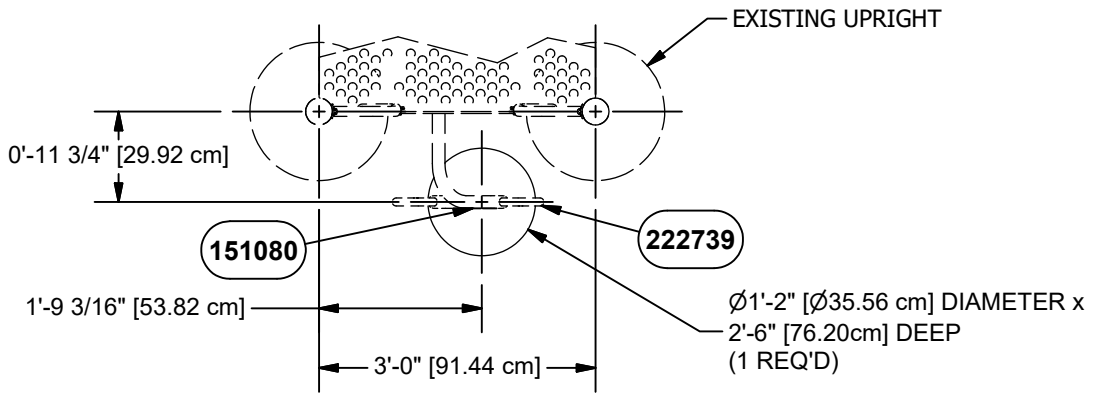

**TOP VIEW**
19974 SHOWN
5'-0" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

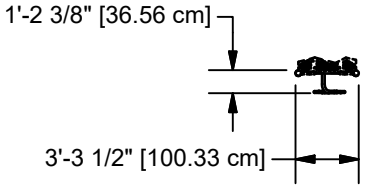
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**ELEVATION VIEW**
19974 SHOWN
5'-0" VIEW



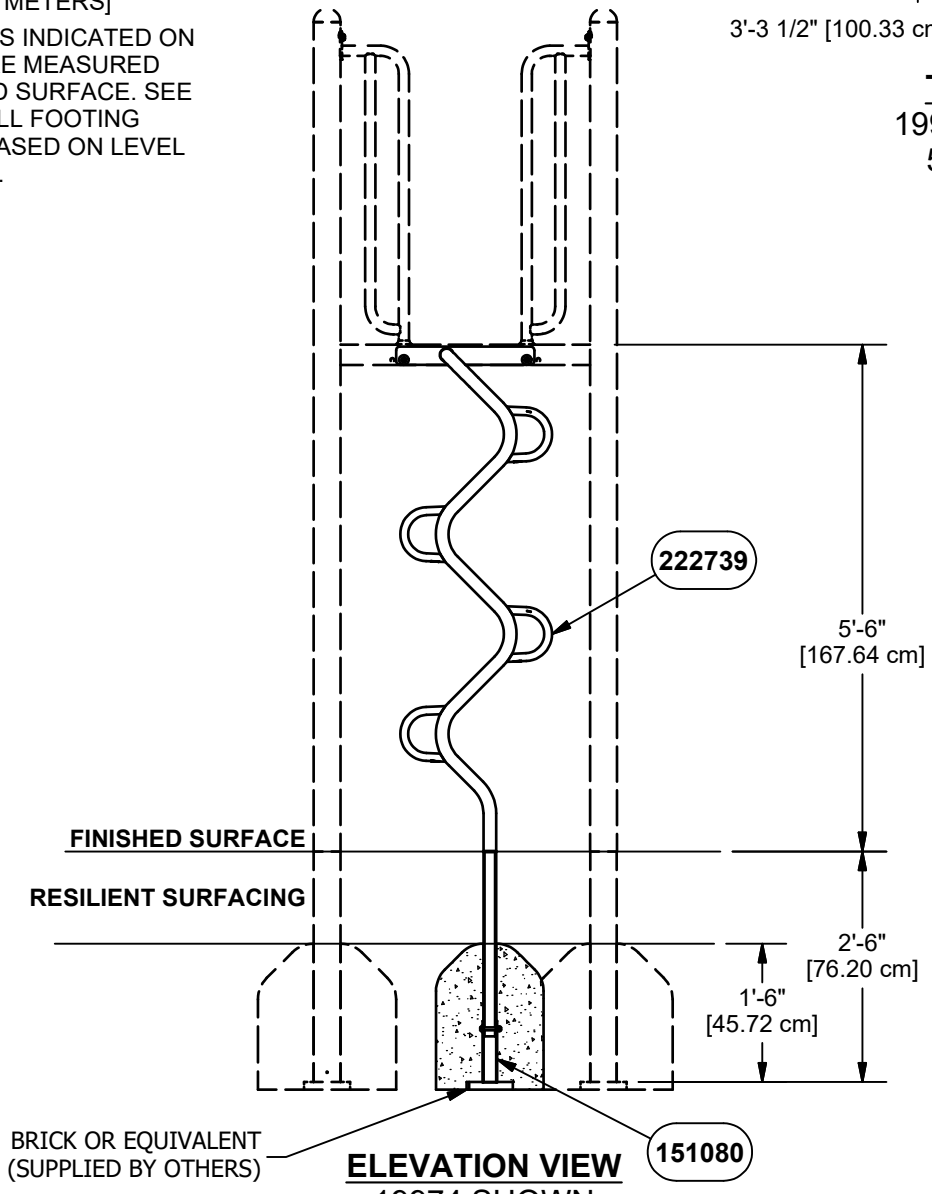

**PLAN VIEW**
19974 SHOWN
5'-6" VIEW



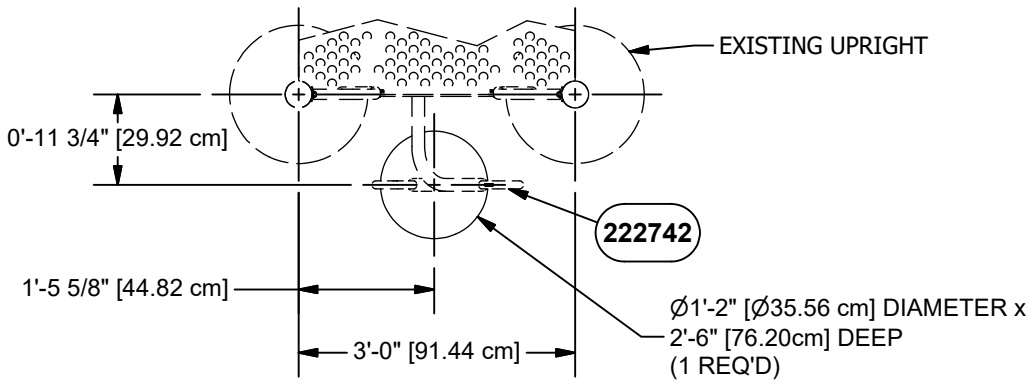

**TOP VIEW**
19974 SHOWN
5'-6" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



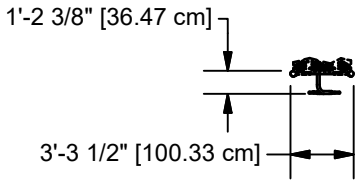

**ELEVATION VIEW**
19974 SHOWN
5'-6" VIEW



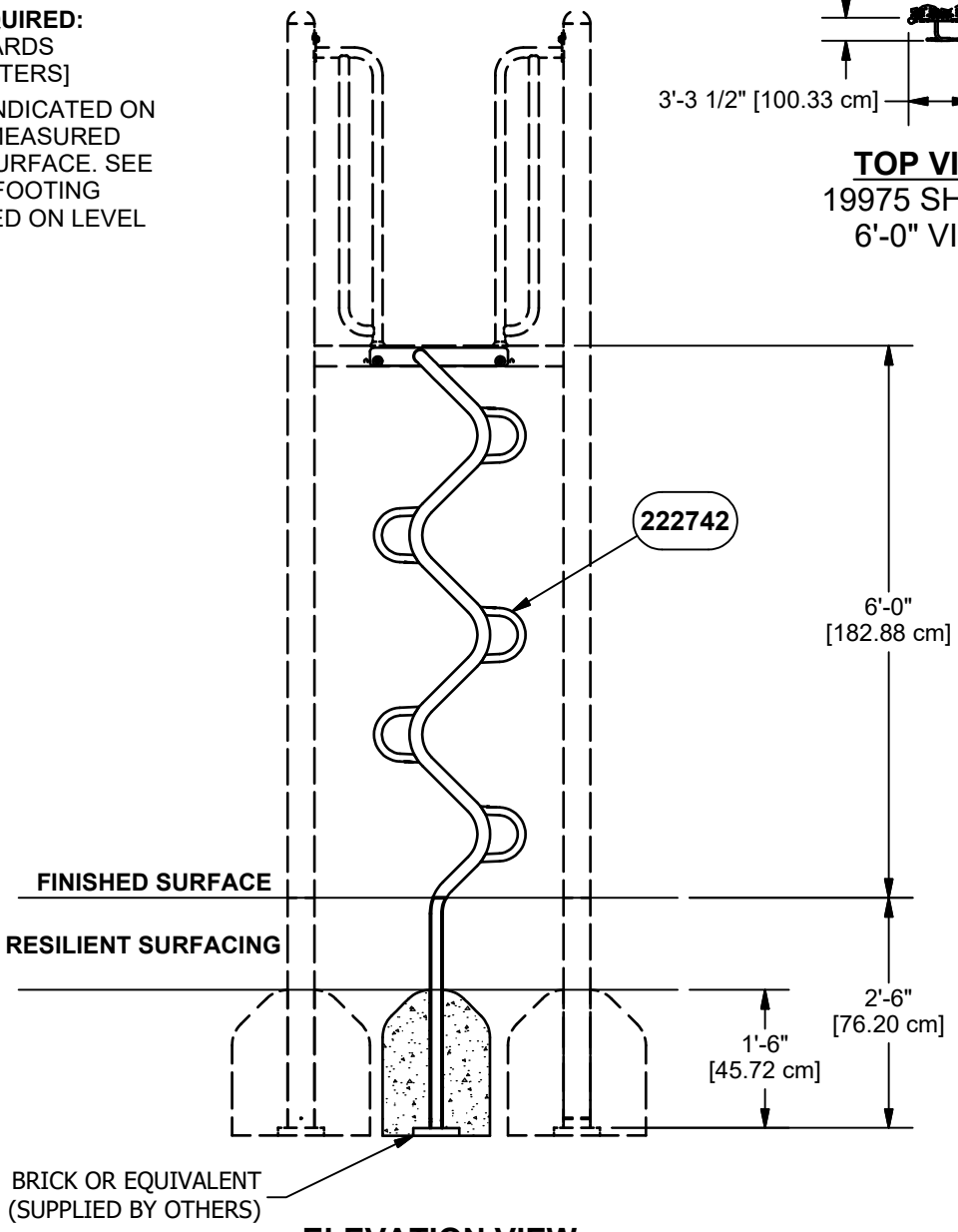

**PLAN VIEW**
19975 SHOWN
6'-0" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

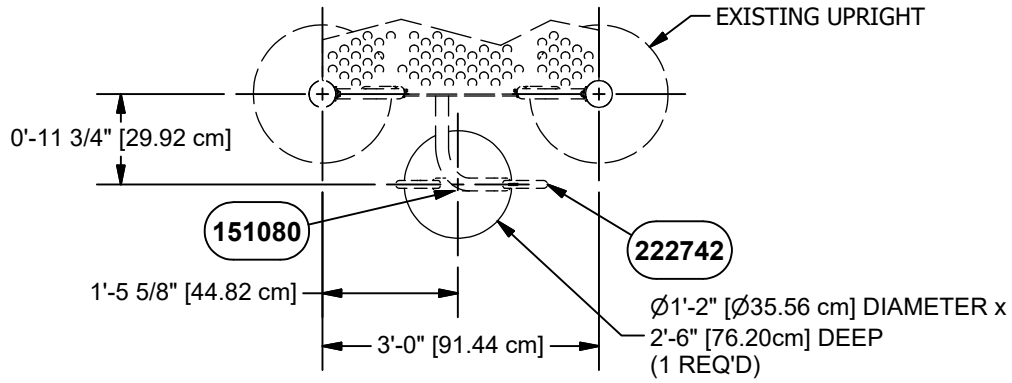
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**TOP VIEW**
19975 SHOWN
6'-0" VIEW



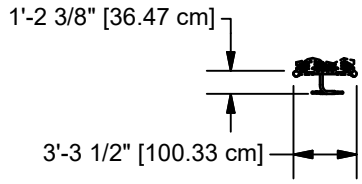

**ELEVATION VIEW**
19975 SHOWN
6'-0" VIEW



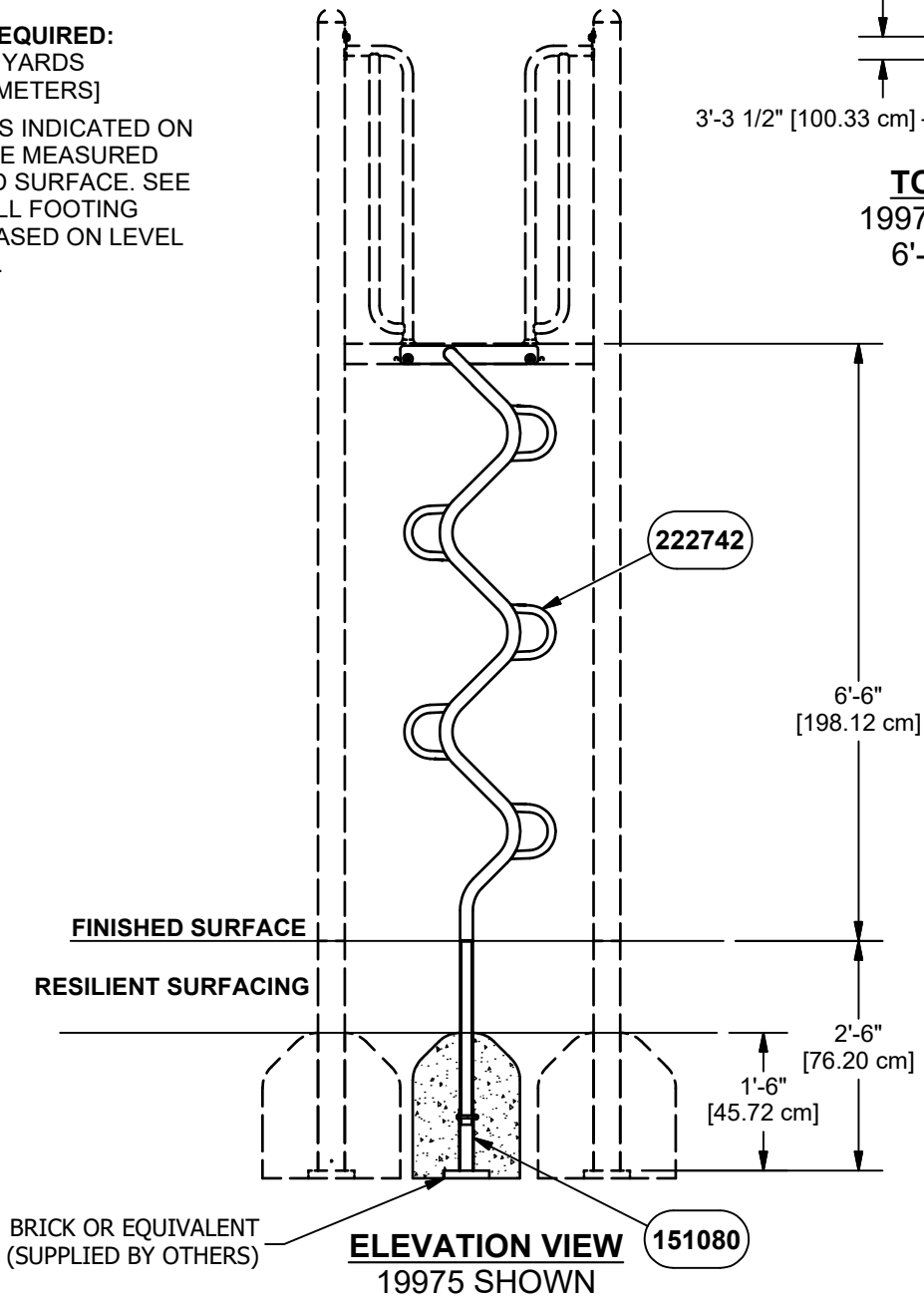

**PLAN VIEW**
19975 SHOWN
6'-6" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

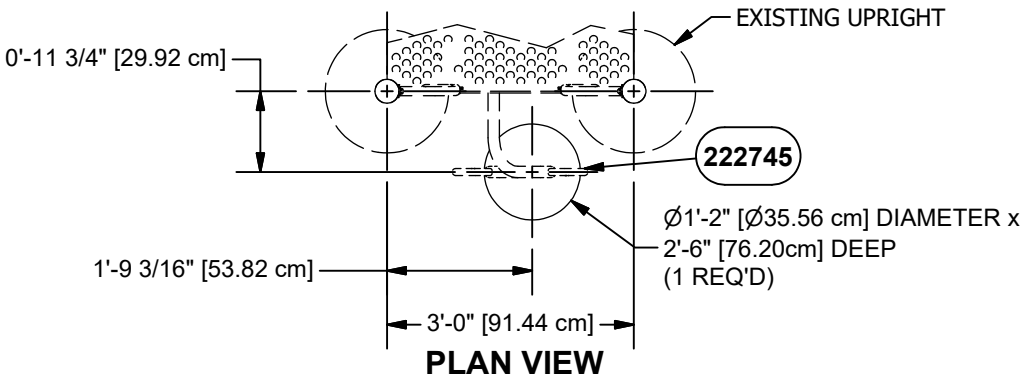
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**TOP VIEW**
19975 SHOWN
6'-6" VIEW



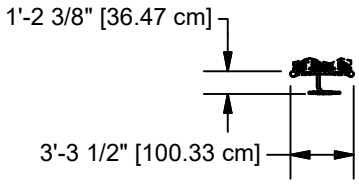

**ELEVATION VIEW**
19975 SHOWN
6'-6" VIEW



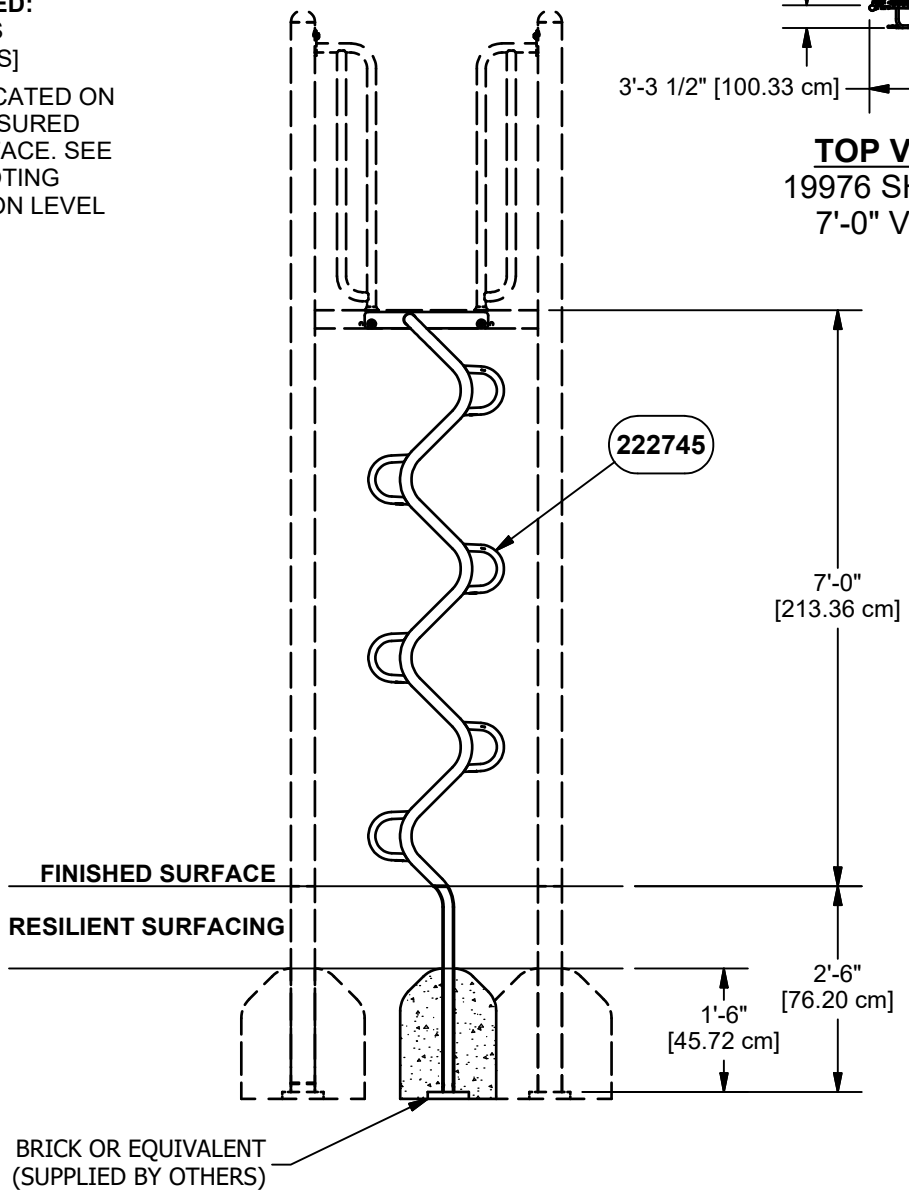

**PLAN VIEW**
19976 SHOWN
7'-0" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

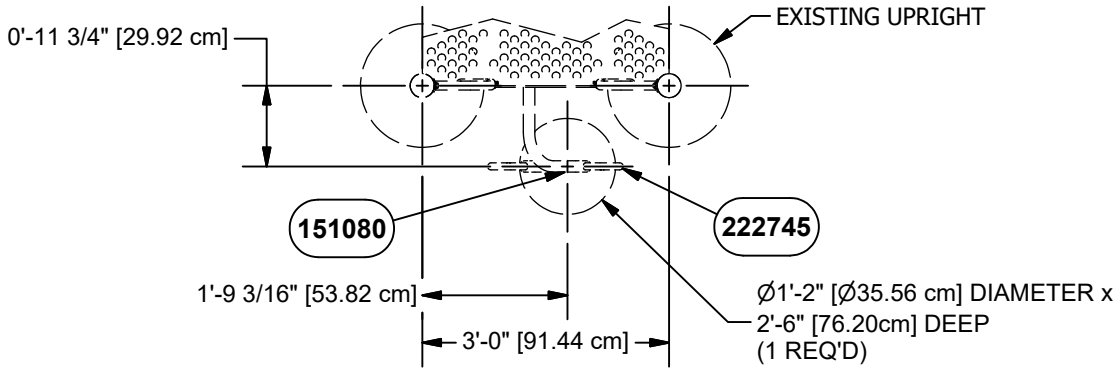
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**TOP VIEW**
19976 SHOWN
7'-0" VIEW



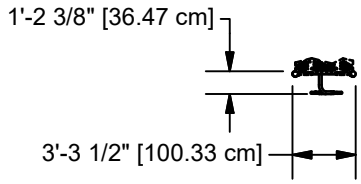

**ELEVATION VIEW**
19976 SHOWN
7'-0" VIEW



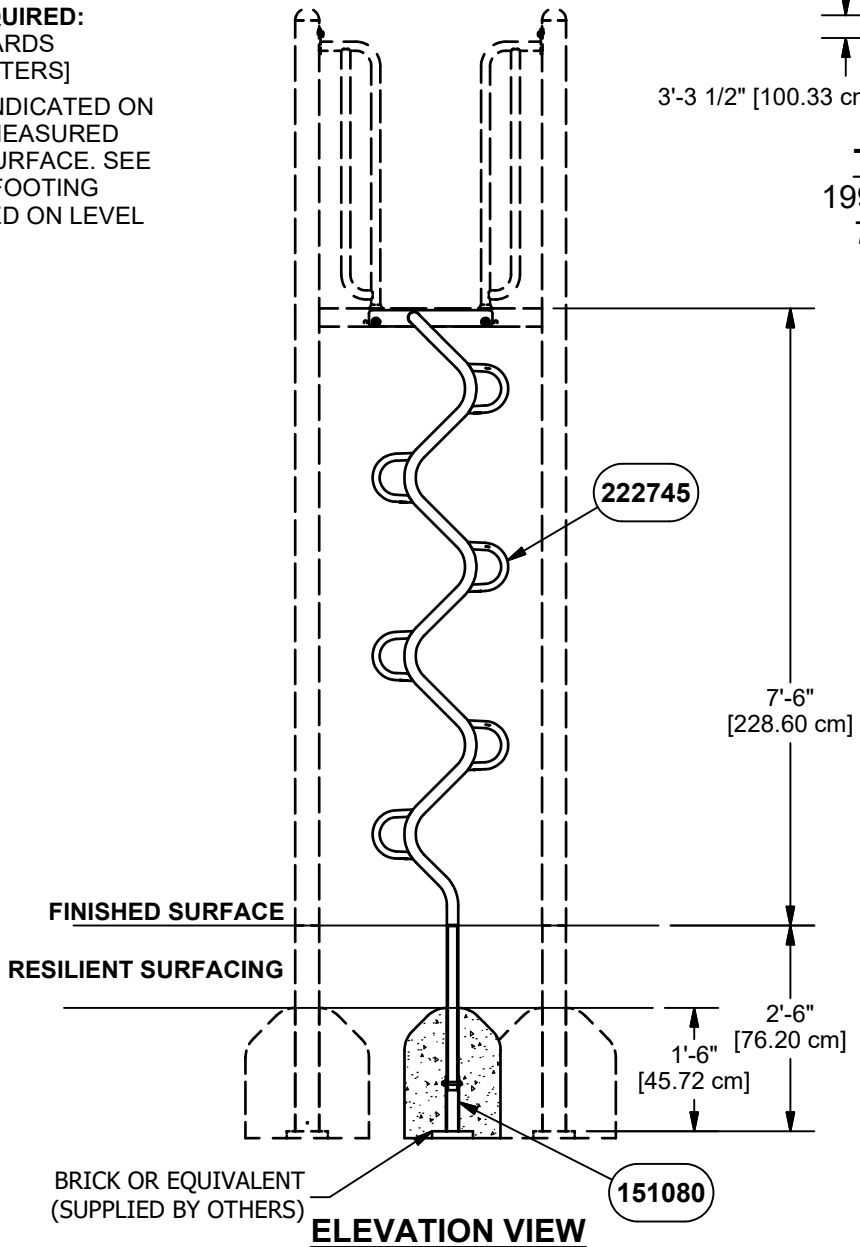

**PLAN VIEW**
19976 SHOWN
7'-6" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

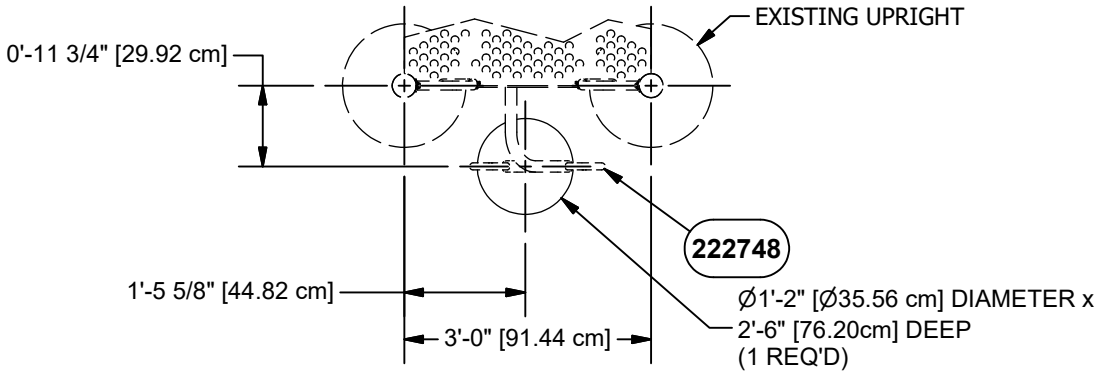
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**TOP VIEW**
19976 SHOWN
7'-6" VIEW



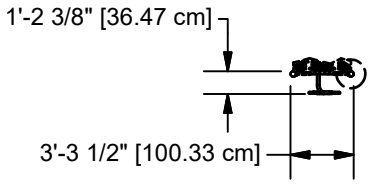

**ELEVATION VIEW**
19976 SHOWN
7'-6" VIEW



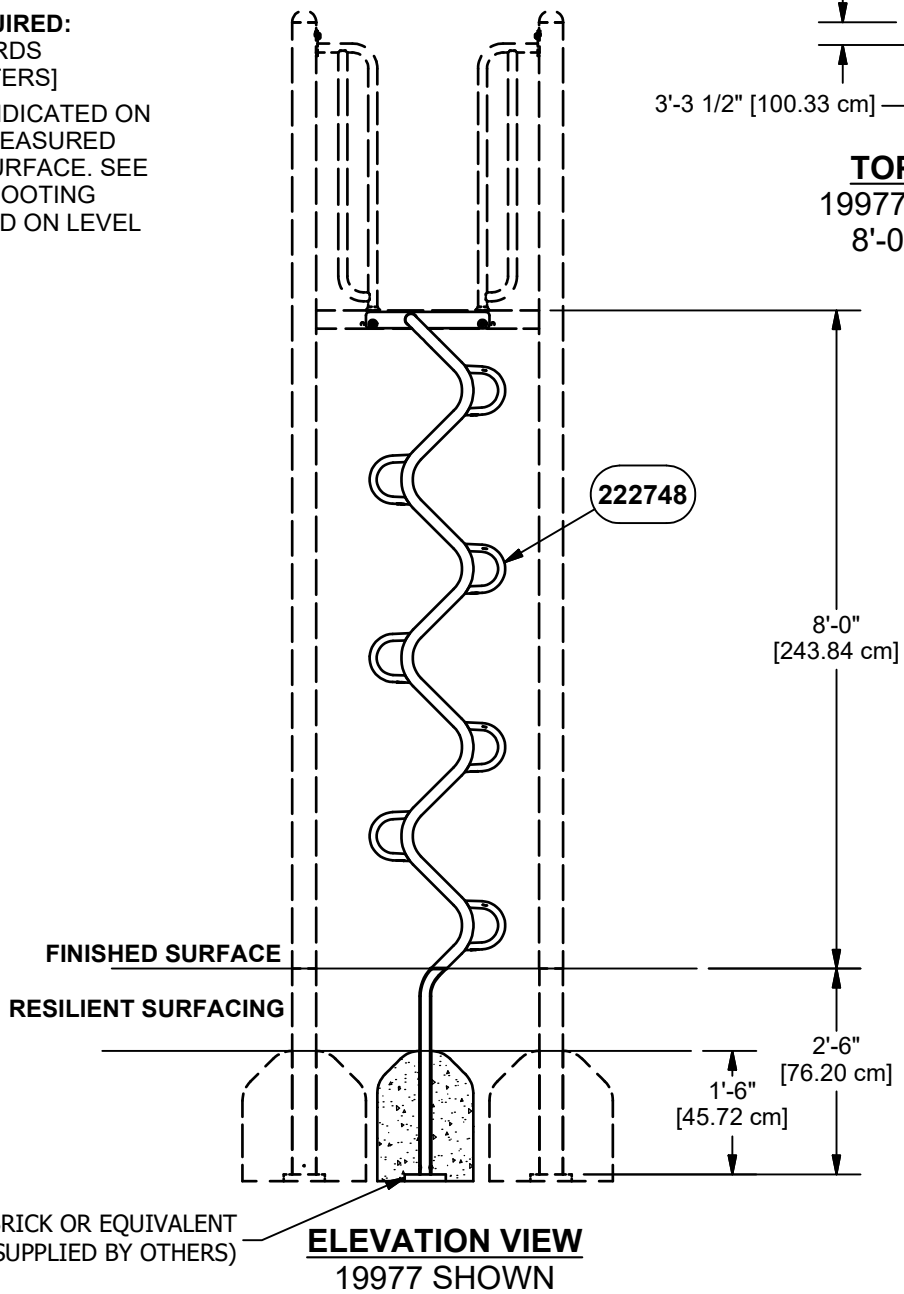

**PLAN VIEW**
19977 SHOWN
8'-0" VIEW

**CONCRETE REQUIRED:**
0.06 CUBIC YARDS
[0.05 CUBIC METERS]

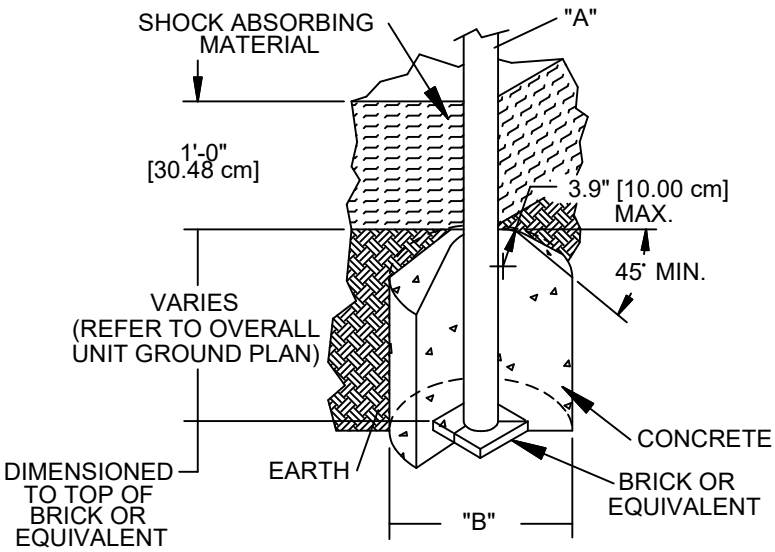
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**TOP VIEW**
19977 SHOWN
8'-0" VIEW




**ELEVATION VIEW**
19977 SHOWN
8'-0" VIEW

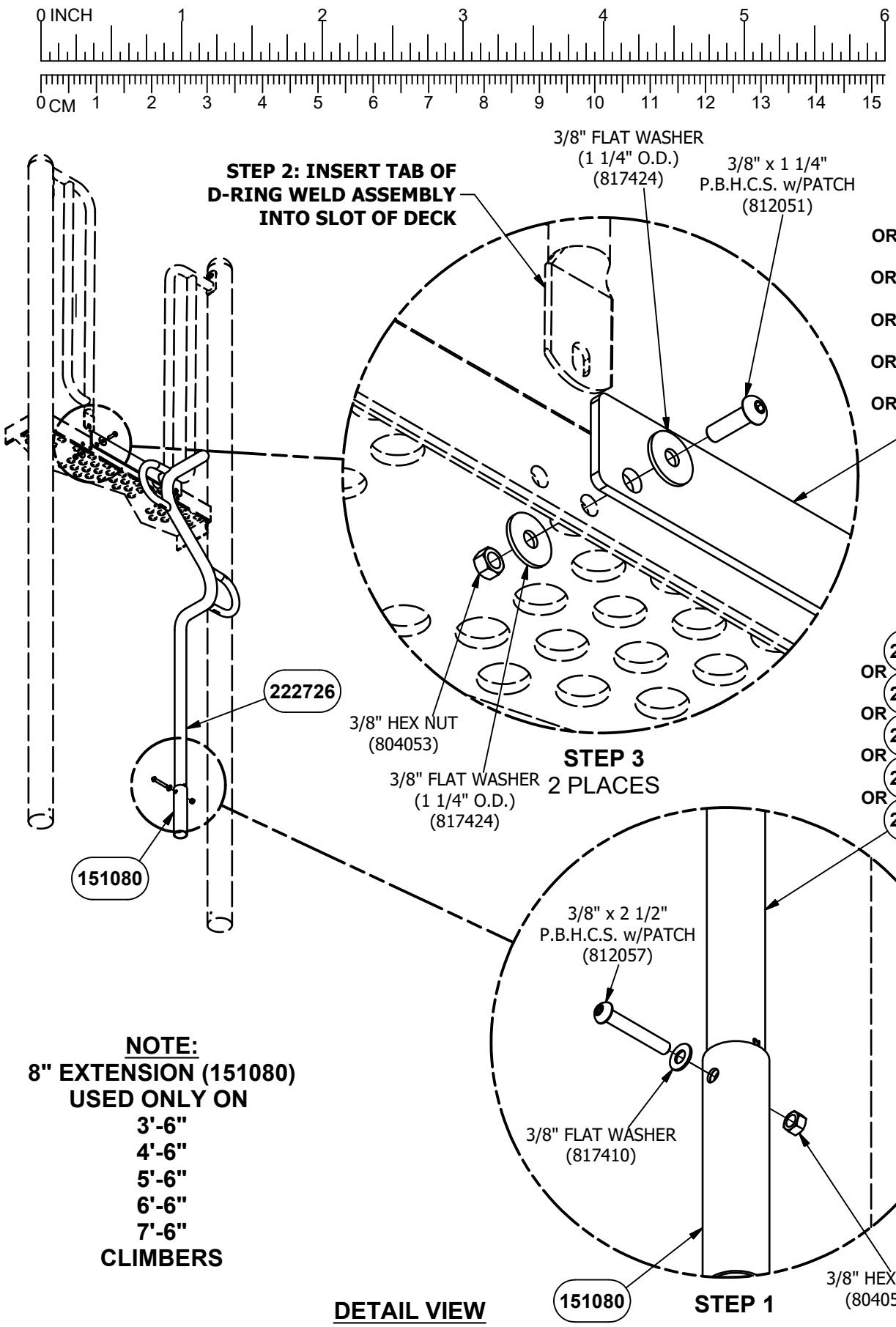



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL




**NOTE:**
**8" EXTENSION (151080) USED ONLY ON**
**3'-6"**
**4'-6"**
**5'-6"**
**6'-6"**
**7'-6"**
**CLIMBERS**

**DETAIL VIEW**
3'-6" SHOWN
OTHERS SIMILAR

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION | 19972 | 19973 | 19974 | 19975 | 19976 | 19977 | PART NUMBER |
| CLIMBER WELD ASSEMBLY | 1 | 0 | 0 | 0 | 0 | 0 | 222726 |
| CLIMBER WELD ASSEMBLY | 0 | 1 | 0 | 0 | 0 | 0 | 222736 |
| CLIMBER WELD ASSEMBLY | 0 | 0 | 1 | 0 | 0 | 0 | 222739 |
| CLIMBER WELD ASSEMBLY | 0 | 0 | 0 | 1 | 0 | 0 | 222742 |
| CLIMBER WELD ASSEMBLY | 0 | 0 | 0 | 0 | 1 | 0 | 222745 |
| CLIMBER WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 1 | 222748 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 1 | 0 | 222750 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 1 | 222755 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 812051* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 1 | 1 | 1 | 1 | 1 | 0 | 812057* |
| 3/8" FLAT WASHER | 1 | 1 | 1 | 1 | 1 | 0 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 4 | 4 | 4 | 4 | 817424* |
| 3/8" HEX NUT | 3 | 3 | 3 | 3 | 3 | 2 | 804053* |
| 8" EXTENSION | 1 | 1 | 1 | 1 | 1 | 0 | 151080* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

Xscape

A PLAYCORE COMPANY GameTime

Enriching Childhood Through Play™

**1-800-235-2440**

**ISSUED/REVISED: 8/26/20**

# 36058

# DRAMATIC PLAY HOUSE

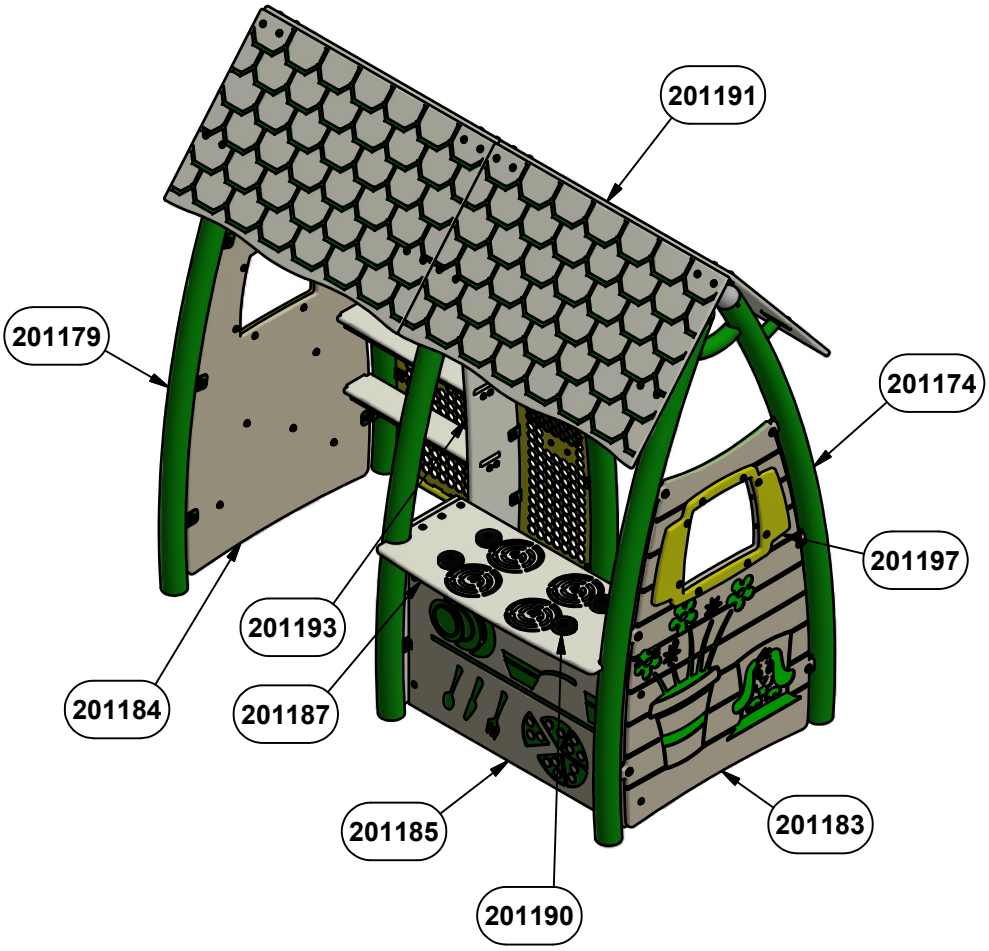
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

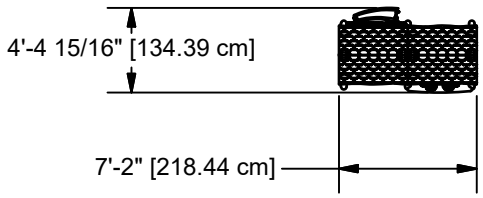
## *INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.

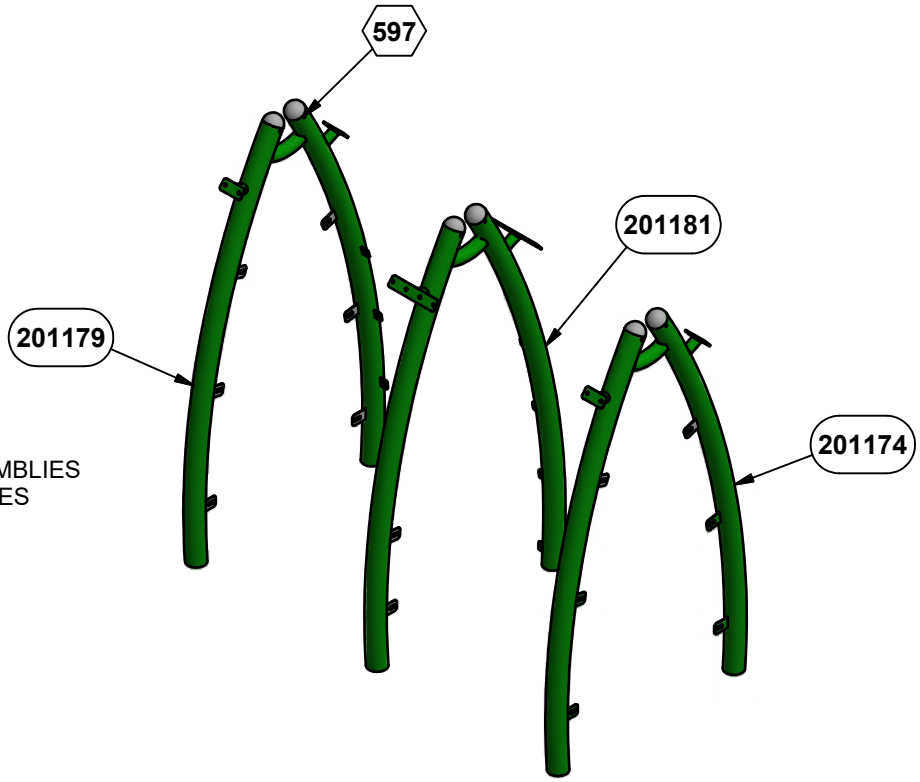


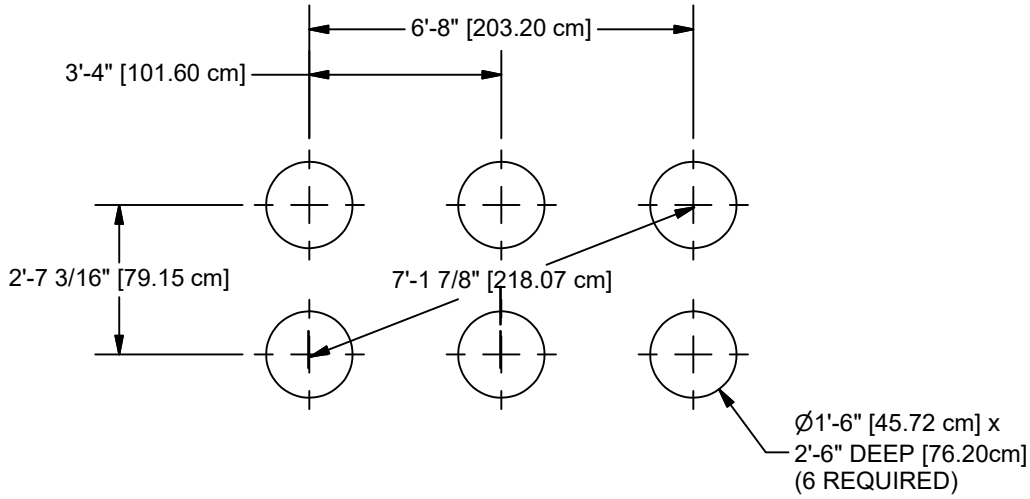

***ASSEMBLY VIEW***




***TOP VIEW***




**STEP 1:**
LOCATE WALL ASSEMBLIES
IN GROUND HOLES

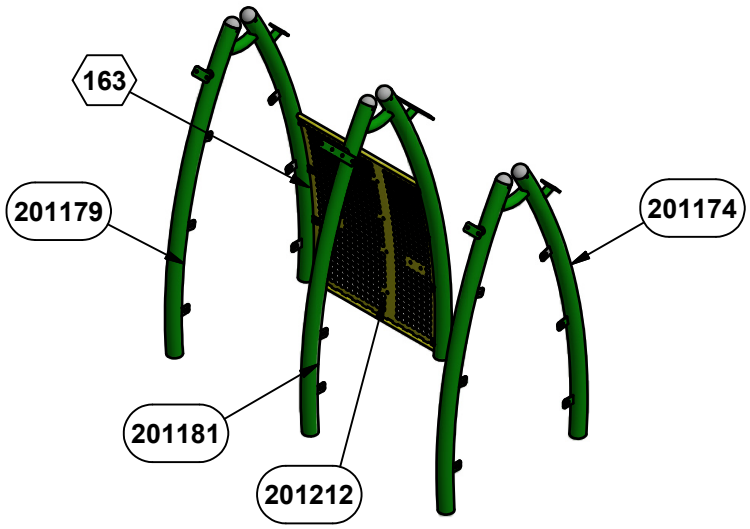



**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUN PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 003. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

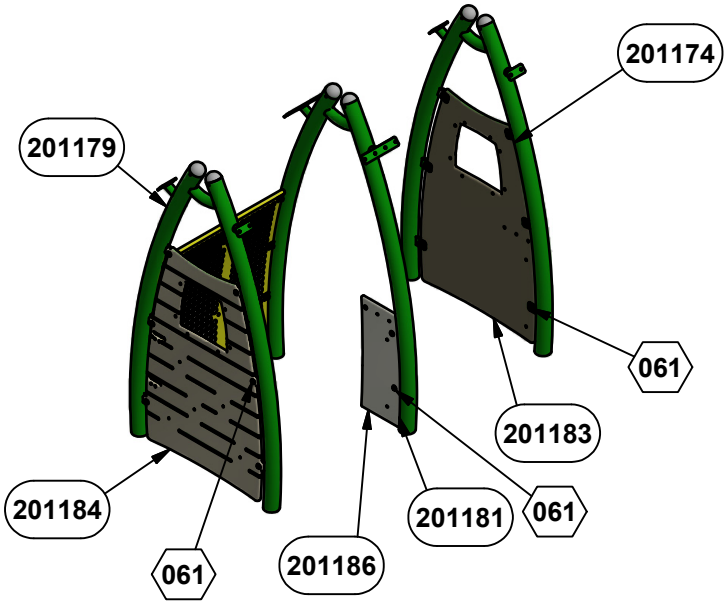
CONCRETE RERQUIRED
.60 CUBIC YARDS
[.46 CUBIC METERS]

## ***GROUND PLAN***

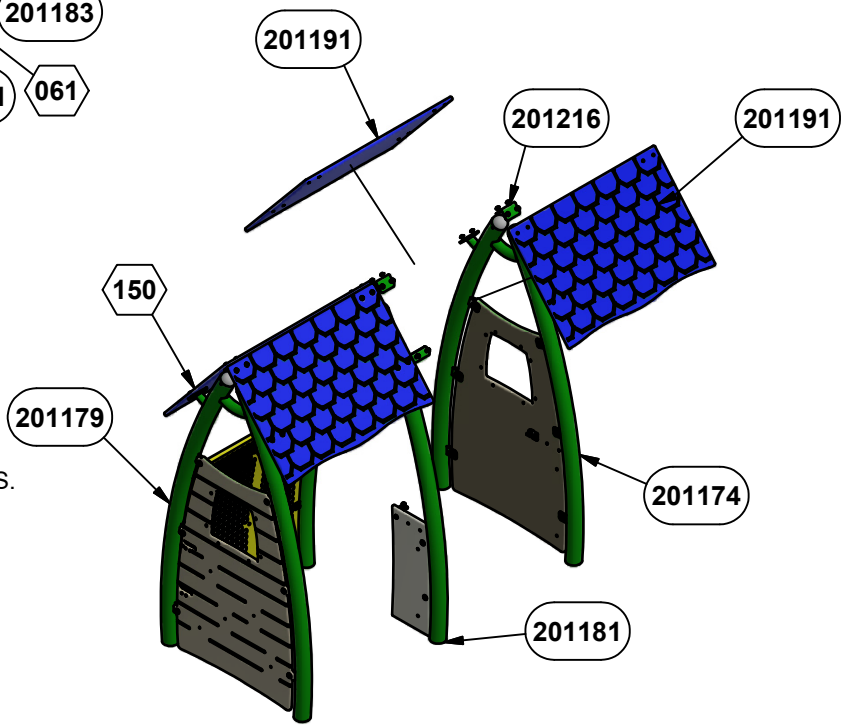
**STEP 2:**
ATTACH PUNCHED WALL ASS'Y
TO WALL ASS'Y #2 AND
CENTER WALL ASS'Y

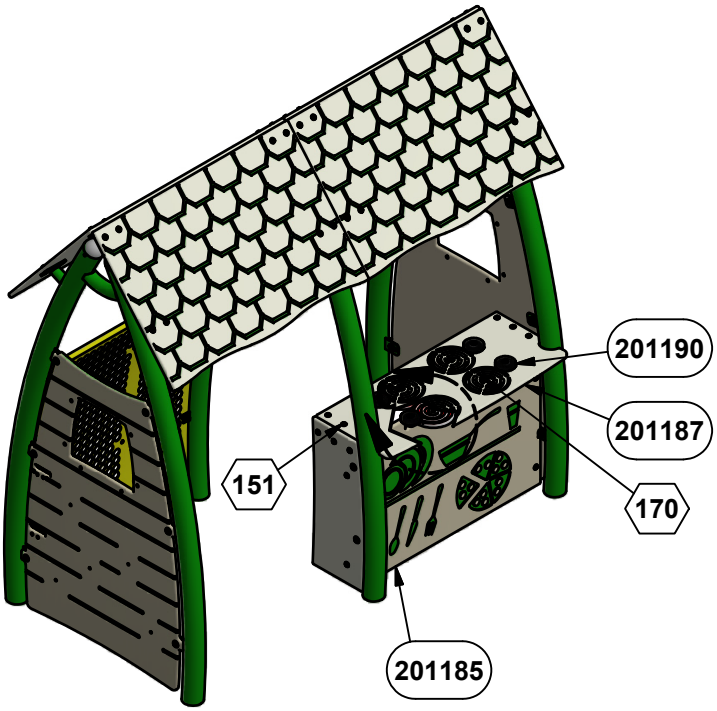



**STEP 3:**
ATTACH DRAMATIC PLAYHOUSE
PANEL #1 TO WALL ASS'Y #1.
DRAMATIC PLAYHOUSE PANEL #2
TO WALL ASS'Y #2 AND STOVE
SIDE PANEL TO CENTER WALL ASS'Y.

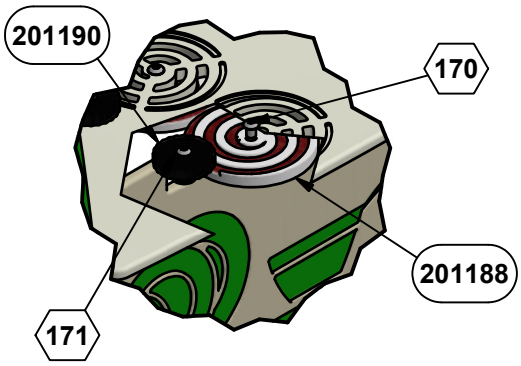


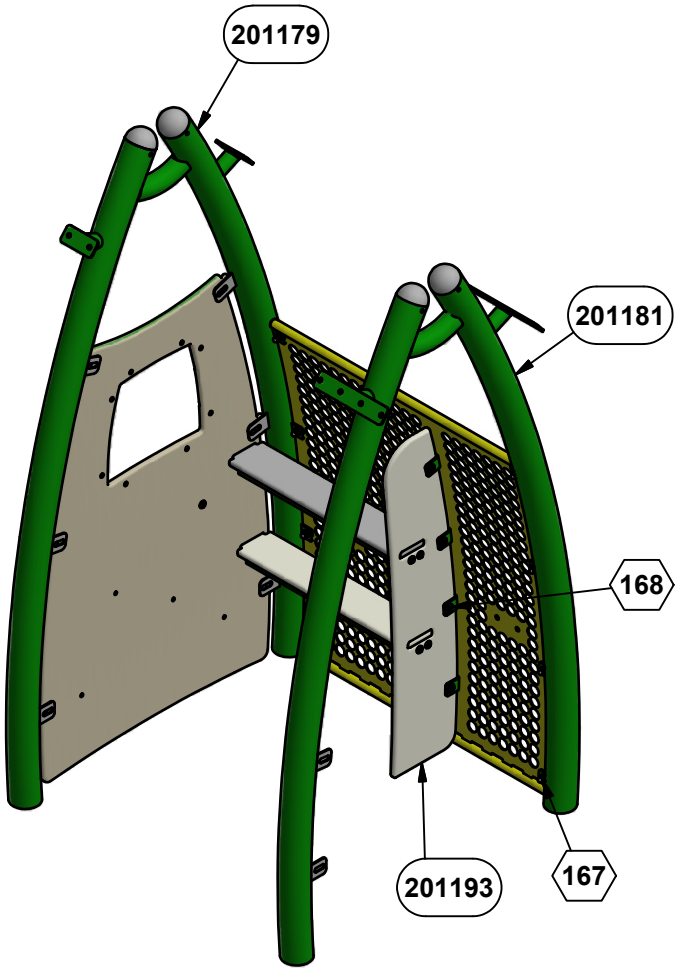

**STEP 4:**
ATTACH SHINGLE ROOF PANELS
TO WALL ASS'Y, ATTACH ROOF
BRACKETS TO SHINGLE ROOF PANELS.





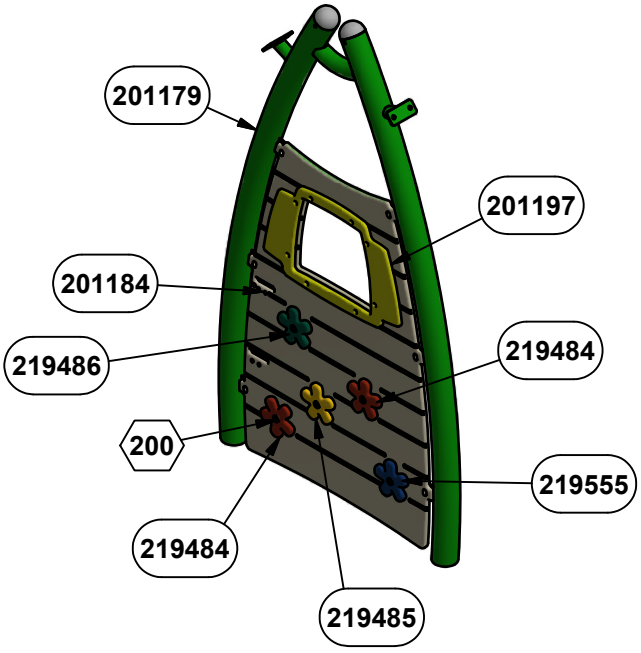

**STEP 5:**
ATTACH STOVE PANEL AND FRONT STOVE PANEL TO DRAMATIC PLAY HOUSE PANEL #1 AND STOVE SIDE PANEL. ATTACH ROUTED BURNER WITH GEARS TO STOVE PANEL. ATTACH STOVE KNOBS AND HDPE GEARS TO STOVE PANEL.



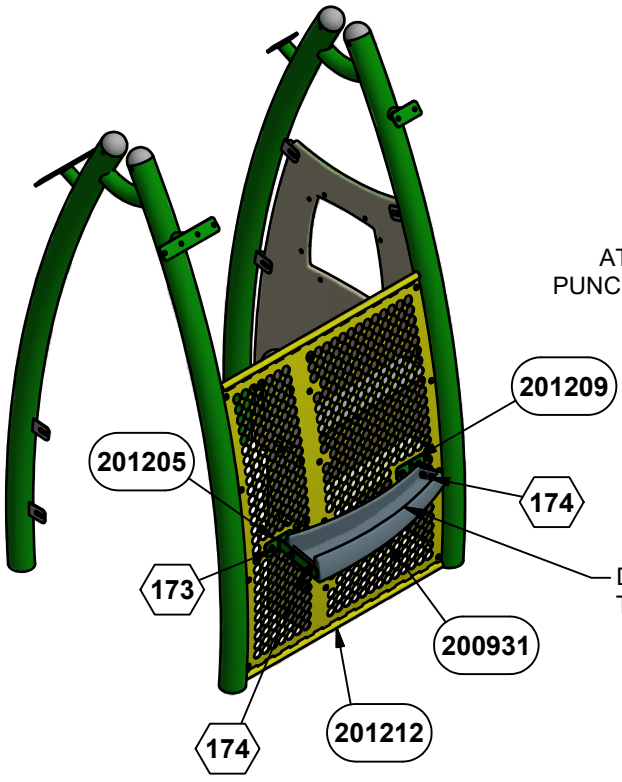




**STEP 6:**
ATTACH SIDE SHELF PANEL TO PUNCHED WALL ASS'Y. ATTACH HDPE NOTCHED SHELF PANELS AND SHELF SUPPORT BRACKET TO DRAMATIC PLAY HOUSE PANEL #2 AND SIDE SHELF PANEL. ATTACH HDPE SEAT TO CENTER WALL ASS'Y AND SIDE SHELF PANEL.

**STEP 7:**
ATTACH WINDOW PANELS TO DRAMATIC PLAYHOUSE PANELS. ATTACH FLOWER MOTIFF PANELS TO DRAMATIC PLAY HOUSE #2




**STEP 8:**
ATTACH PLANTER BRACKETS TO PUNCHED WALL ASS'Y, ATTACH RUBBER BALANCE BEAM.




DRILL DRAIN 1/2" HOLES THROUGH THE BOTTOM OF THE RUBBER PART




# IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS




☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

☐ Assemble all slides on level ground to insure proper run-off of slide bedway. The run-off portion of bedway should slope downward no more than 4 degrees.

☐ Examine bedway, bedrails, handrails for foreign objects, holes and rough edges.

☐ Because metal slides left in the sun can cause burns, they should be placed in shaded areas whenever possible. Placing metal slides in a shaded location will also prevent them from reflecting the glare of the sun and interfering with children's vision.

☐ A soft, resilient surface should be placed under all slides, extending at least six feet in all directions surrounding the slides. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# ***INSTALLATION INSTRUCTIONS***

***NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.***

***NOTE:*** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

***NOTE:*** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

***NOTE:*** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***STEP 1:*** Dig holes according to the Ground Plan (see Detail 003 also). Place a brick or equivalent at the bottom of the hole to provide a solid foundation. Allow for this in hole depth (see Detail 003). Locate and place walls in holes in the right order and with the right orientation. See STEP 1 graphic to determine the right orientation.

***STEP 2:*** Attach Caps to Wall Assemblies using Detail 597. Attach Punched Wall Assembly to Wall Assembly #2 and Center Wall Assembly (see Detail 163). Use illustration STEP 2 for Orientation.

***STEP 3:*** Attach Dramatic Play House Panels and Stove Side Panel to Wall Assemblies (see Detail 061). Wall Panels are similar but different. Location is critical. Use STEP 3 illustration to determine panels right location.

***STEP 4:*** Attach Shingle Roof Panels to Wall Assemblies and Roof Brackets (see Detail 150 and Step 4 illustration).

***STEP 5:*** Attach Stove Panel and Front Stove Panel to Dramatic Play House Panel #1 and Stove Side Panel (see Detail 151). Attach Routed Burner with Gear Panels to Stove Panel (see Detail 170). Attach Stove Knobs and HDPE Gears to Stove Panel (see Detail 171). Use Step 5 illustration for panel location.

***STEP 6:*** Attach Side Shelf Panel to Punched Wall Assembly (see Detail 168). Attach HDPE Notched Shelf Panels and Shelf Support Brackets to Dramatic Play House Panel #2 and Side Shelf Panel (see Details 172). Attach HDPE Seat Panel to Center Wall Assembly and Side Shelf Panel (see Details 151 and 167). Use Step 7 illustration for panels location.

***STEP 7:*** Attach Window Panels to Dramatic Play House Panels (see Detail 155). Attach Flower Motiff Panels to Dramatic Play House Panel #2 (see Detail 156). Use STEP 7 illustration for location.

***STEP 8:*** Planter Brackets to Punched Wall Assembly (see Detail 173). Attach Rubber Balance Beam, Small and Big Bull Noses to Planter Brackets (see Detail 174). Use STEP 8 illustration for location.

***STEP 9:*** Tighten all nuts, bolts, etc.

***NOTE:*** Loctite (supplied by others) should be used on all threaded hardware.

***STEP 10:*** Check and make sure that entire assembly is plumb and level.

***STEP 11:*** Fill holes with concrete per Detail 003. Plumb and brace assembly. Allow a minimum of 48 hours for concrete to harden before use.

***STEP 12:*** After assembly is complete, place manufacturer's I.D. label in a visible location.

# ***SPECIFICATIONS***

***WALL ASSEMBLIES***
Shall be one piece welded assemblies fabricated from 3-1/2" O.D. 13 gauge (.095") wall, 2 -3/8" x 13 gauge (.095") wall galvanized steel tubing and 1" x 15 gauge (.072") wall galvanized steel tubing. The Triangle Tabs are constructed of 3/16" thick stainless steel. The Wall Assemblies shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

***DRAMATIC PLAY HOUSE PANELS, SHINGLE ROOF PANELS, FRONT STOVE PANEL, ROUTED BURNERS***
These panels shall be made from 3/4" Thick (three ply) routed high density, UV-stabilized, laminated and color impregnated polyethylene.

***STOVE PANELS, STOVE SIDE PANES, WINDOW PANEL, SIDE SHELF PANEL, HDPE NOTCHED SHELF PANELS, STOVE KNOBS, HDPE GEAR***
These HDPE panels shall be made from 3/4" Thick (solid) high density, UV-stabilized, laminated and color impregnated polyethylene. Countertop Leaf Panel, Chimney and Fireplace Flame shall be made from 3/4" Thick (three ply) routed high density, UV-stabilized, laminated and color impregnated polyethylene.

***METAL WALL ASSEMBLY.***
Shall be an all welded assembly manufactured with 1" O.D. x 15 gauge (.072") wall galvanized steel tubing, a 14 gauge galvanized cap, and 14 gauge galvannealed punched sheet. Coated product shall consist of a welded assembly with an oven cured matte finish polyvinyl chloride (PVC) coating with a minimum coating thickness of .080".

***FLOWER HOLDER ASSEMBLY***
Shall be an all welded assembly manufactured with 1 5/16" O.D. x 14 gauge (.083") wall galvanized steel tubing and, a 1/8" thick laser cut steel plates. Coated product shall consist of a welded assembly with an oven cured matte finish polyvinyl chloride (PVC) coating with a minimum coating thickness of .080".

***RUBBER BALANCE BEAM***
Shall be cast of EPDM of durometer 90.

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***POWDER COAT FINISH***
Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

***HARDWARE***
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. All primary stainless steel fasteners shall be Button Head Socket Caps.

***SPECIFICATIONS***
GAMETIME © has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice

| Parts List | | | |
|---|---|---|---|
| SEQ. NO. | DESCRIPTION | 36058 | PART NUMBER |
| 1 | WALL ASSEMBLY #1 | 1 | 201174 |
| 2 | WALL ASSEMBLY #2 | 1 | 201179 |
| 3 | CENTER WALL ASSEMBLY | 1 | 201181 |
| 4 | DRAMATIC PLAY HOUSE PANEL #1 | 1 | 201183 |
| 5 | DRAMATIC PLAY HOUSE PANEL #2 | 1 | 201184 |
| 6 | SHINGLE ROOF PANEL (BEIGE/GREEN) | 4 | 201191 |
| 7 | STOVE PANEL | 1 | 201187 |
| 8 | STOVE SIDE PANEL | 1 | 201186 |
| 9 | FRONT STOVE PANEL | 1 | 201185 |
| 10 | HDPE NOTCHED SHELF | 2 | 201194 |
| 11 | FLOWER MOTIF RED | 2 | 219484 |
| 12 | FLOWER MOTIF GREEN | 1 | 219486 |
| 13 | FLOWER MOTIFF YELLOW | 1 | 219485 |
| 14 | FLOWER MOTIF BLUE | 1 | 219555 |
| 15 | WINDOW PANEL | 2 | 201197 |
| 16 | SIDE SHELF PANEL | 1 | 201193 |
| 17 | STOVE KNOB | 4 | 201190 |
| 18 | ROUTED BURNER WITH GEARS | 4 | 201188 |
| 19 | RUBBER BALANCE BEAM | 1 | 200931 |
| 20 | SHELF SUPPORT BRACKET | 2 | 201218 |
| 21 | PUNCHED WALL ASS'Y | 1 | 201212 |
| 22 | PLANTER LONG BRACKET ASS'Y | 1 | 201205 |
| 23 | PLANTER SHORT BRACKET ASS'Y | 1 | 201209 |
| 24 | ROOF BRACKET | 4 | 201216 |
| 25 | FORMED TAB | 14 | 201230 |
| 26 | 3 1/2" DOME CAP | 6 | 212995 |
| 27 | ***HARDWARE COMPLETE*** | 1 | 219574 |
| | 3/8" LOCK WASHER | 39 | 817334* |
| | 3/8" T-NUT | 64 | 804556* |
| | 3/8" BARREL NUT | 43 | 804804* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 22 | 817424* |
| | 3/8" FLAT WASHER | 122 | 817410* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 16 | 812052* |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 82 | 812050* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 21 | 812053* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 8 | 812054* |
| | 3/8" ACORN NUT | 20 | 804002* |
| | 1/2" FLAT WASHER | 14 | 817412* |
| | 3/16" x 13/32" DRIVE RIVET | 12 | 805366* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

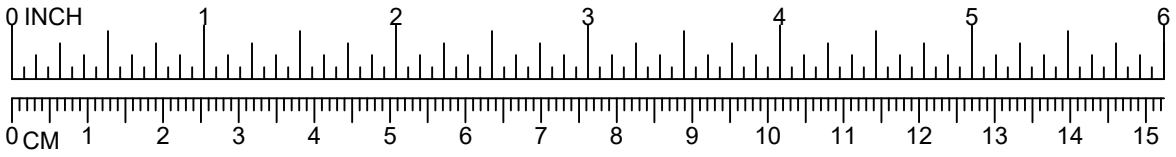
# DETAILS -for-
# 36058

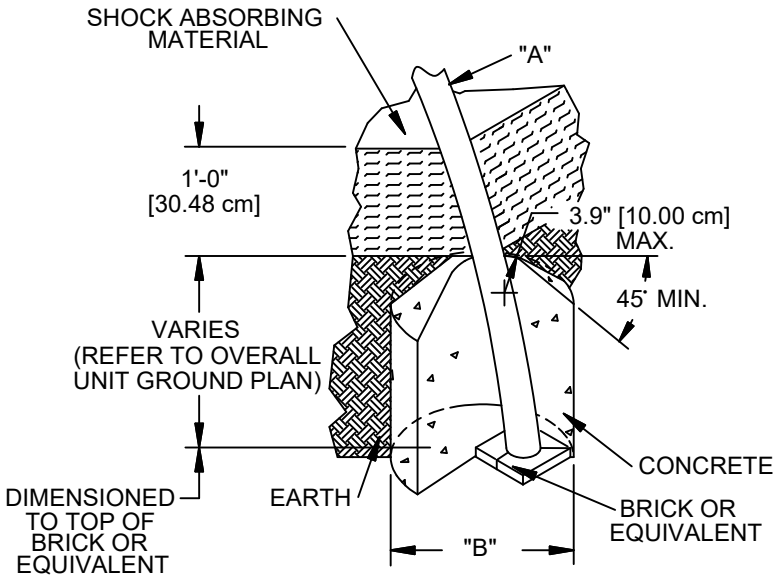
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



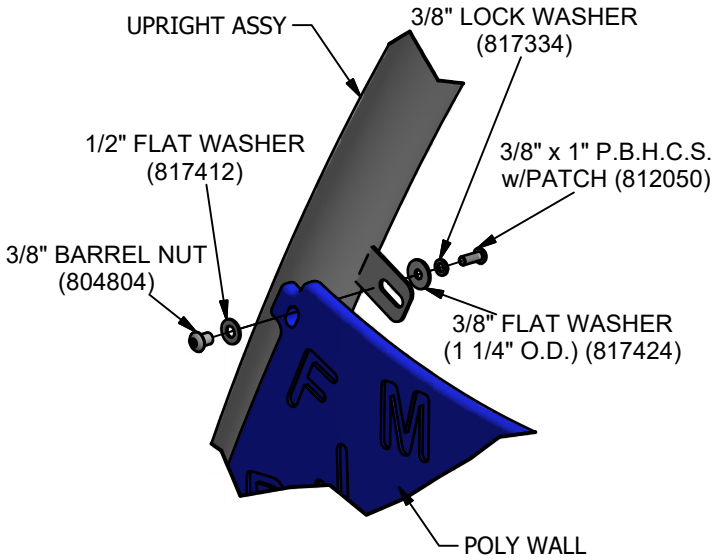




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| SWINGS | |
| 3 1/2" [8.89 cm] | 2'-0" [60.96 cm] |

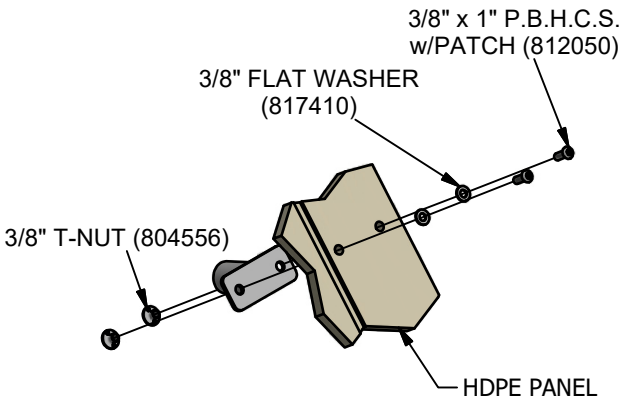
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

003

SHOCK ABSOBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




061




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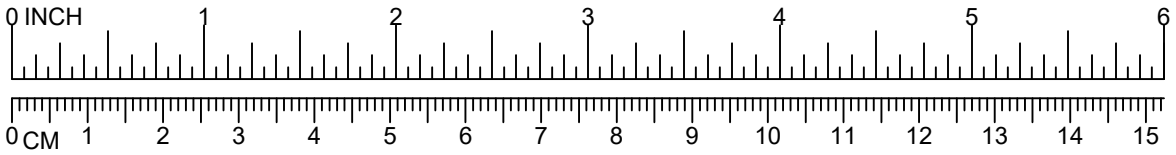
# DETAILS -for-
# 36058

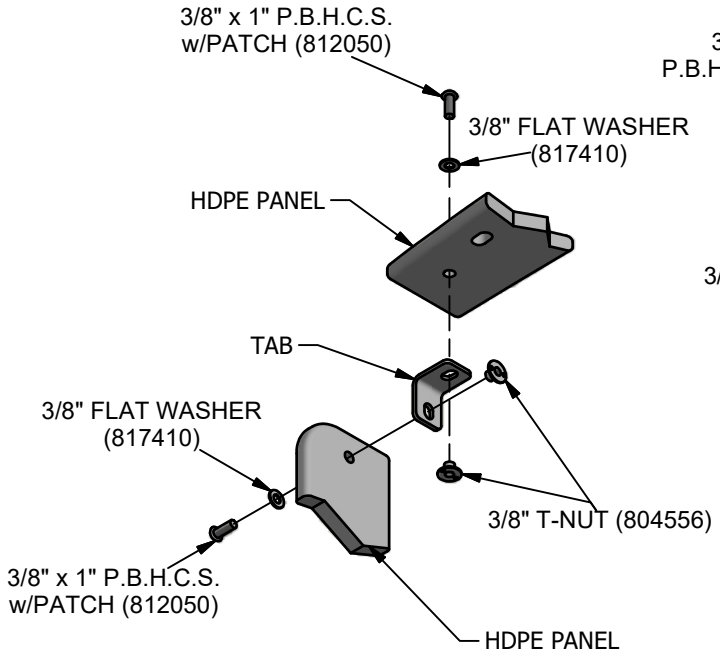
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

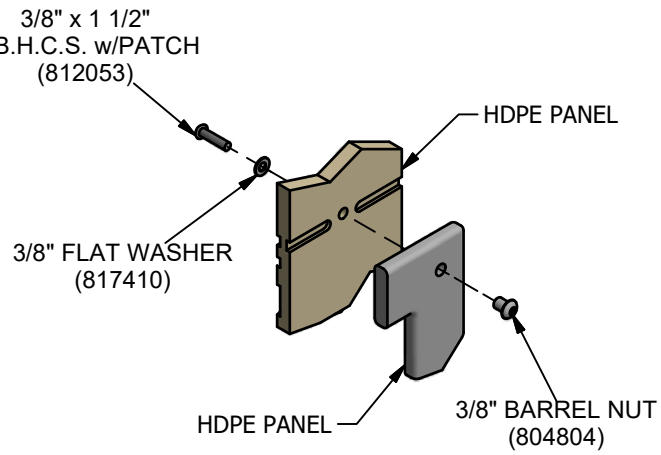
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

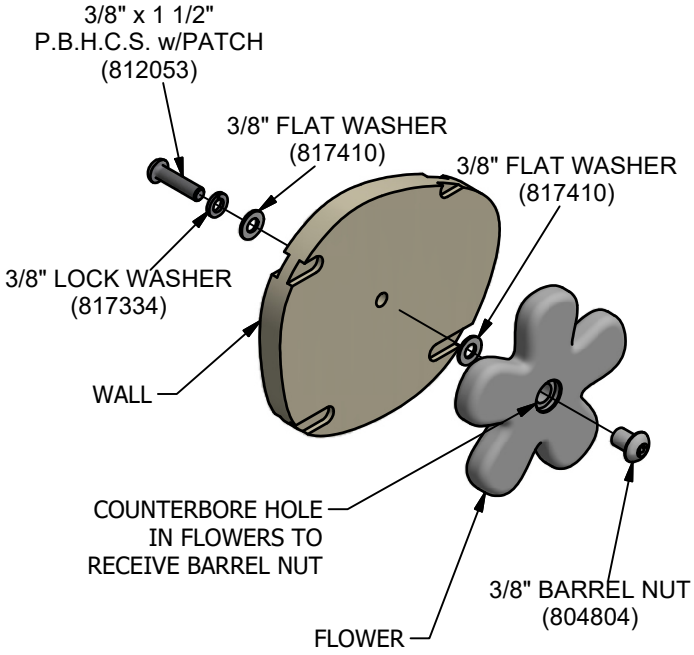


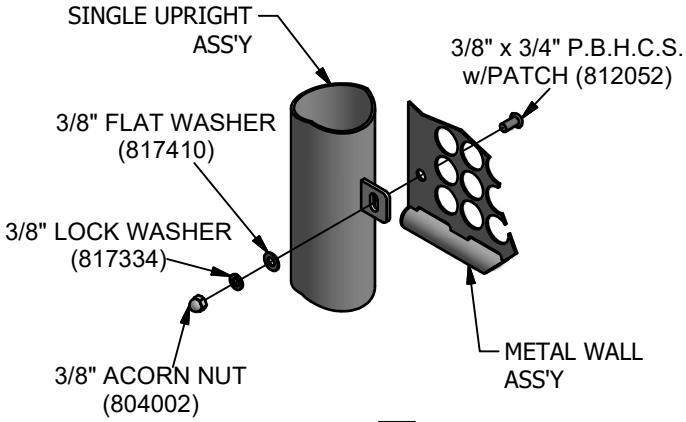

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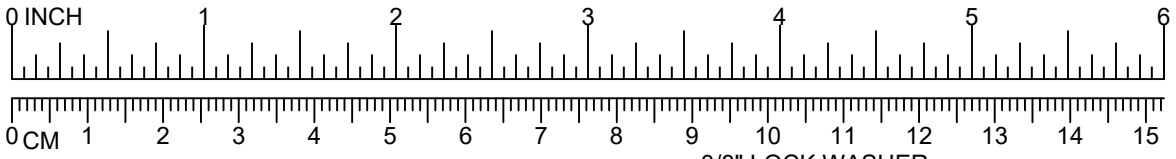
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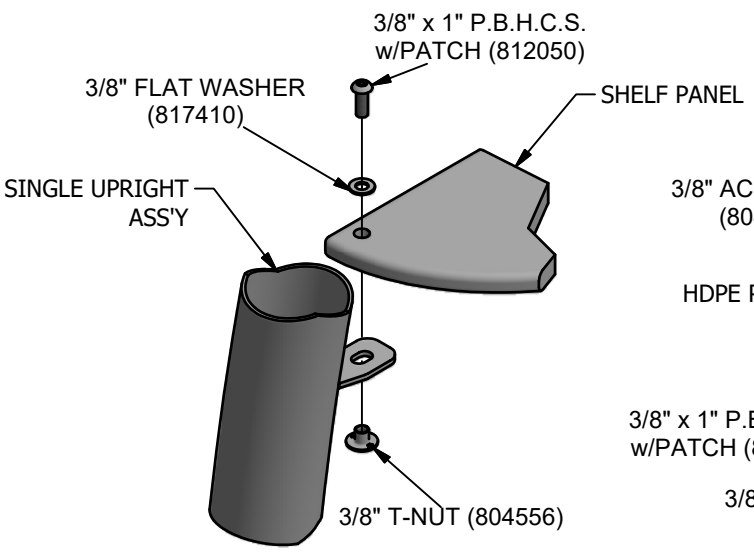
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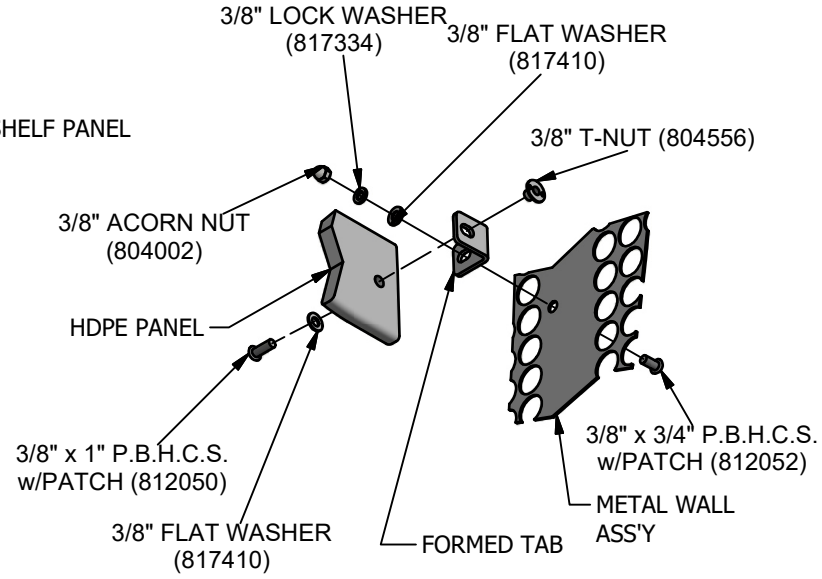
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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

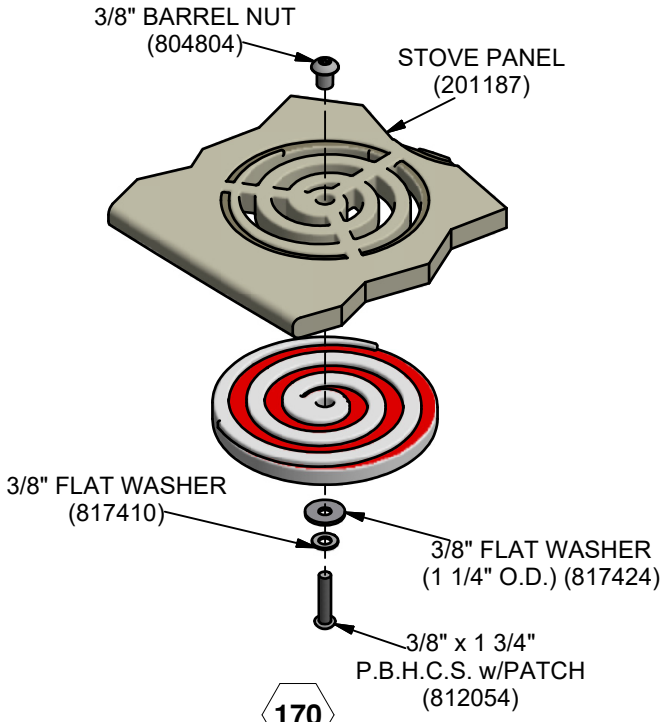


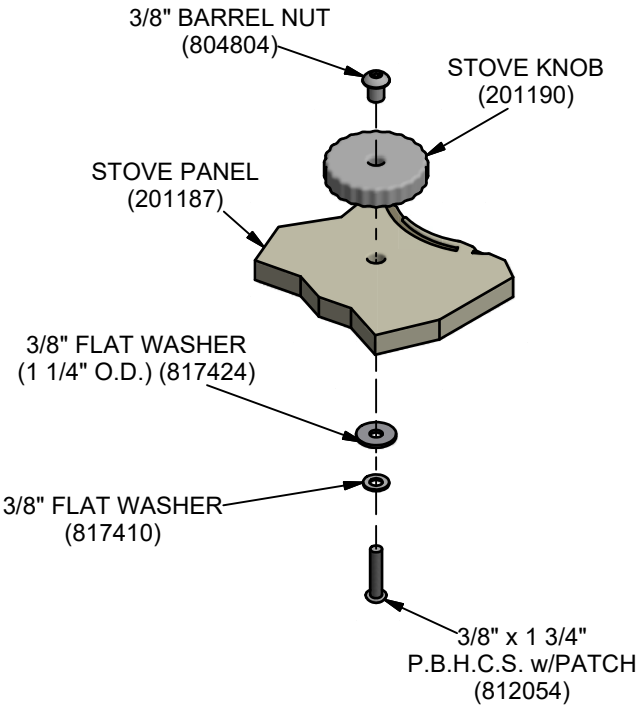

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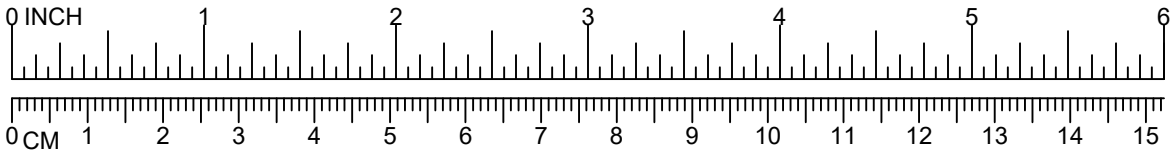
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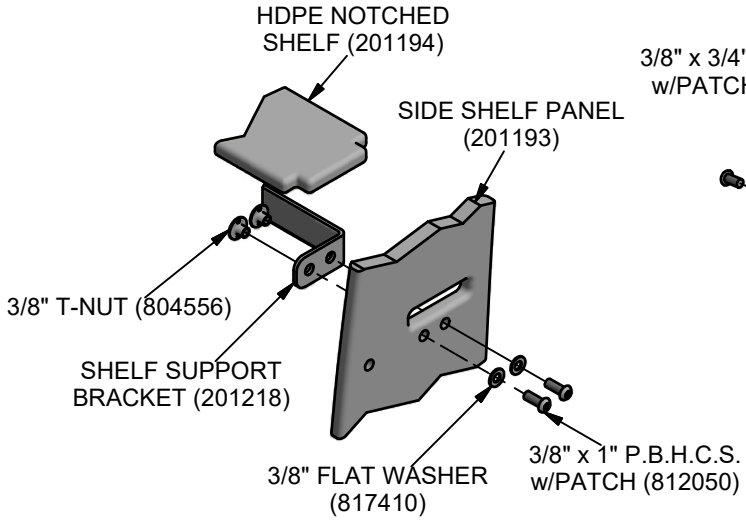
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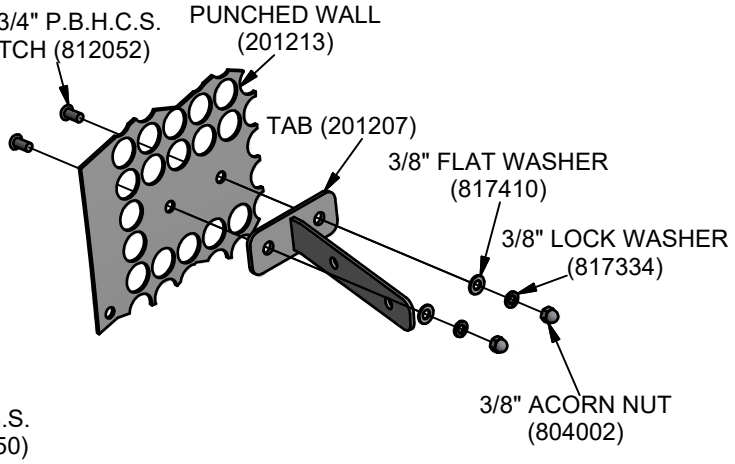
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

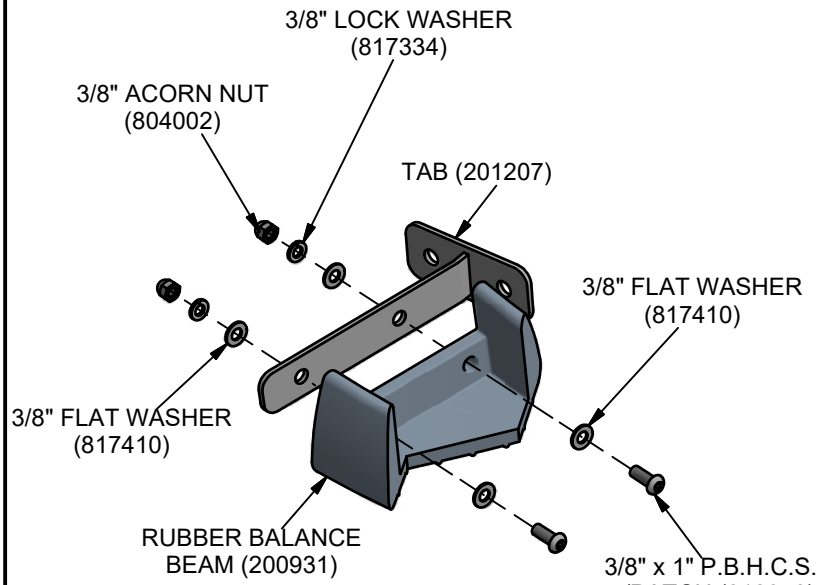


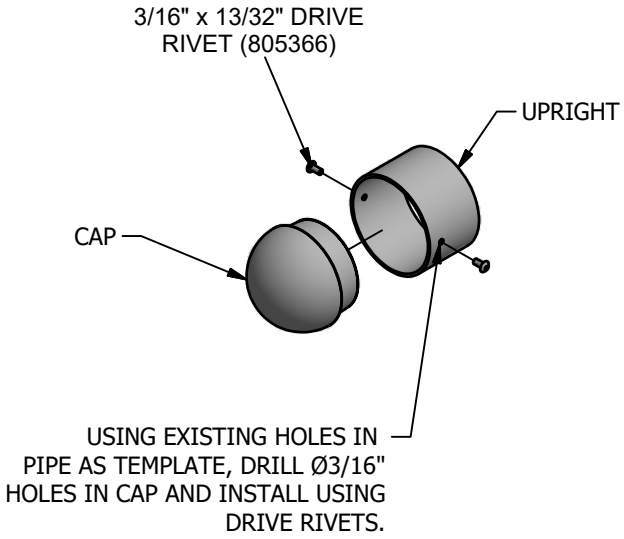

172




173




174




597

TOT STUFF

GameTime
A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 3/19/13

# 39012 TOT'S LEAF

TOT'S TURTLE 39013
TOT'S SPIDER 39014

= INSTALLATION DETAIL

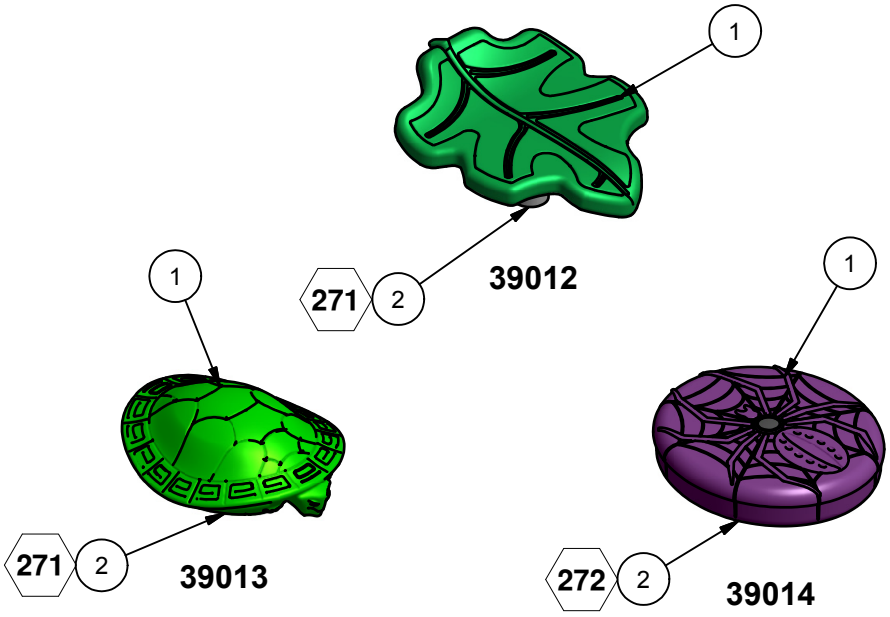
= PARTS LIST REFERENCE



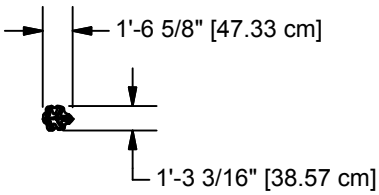

## *INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.

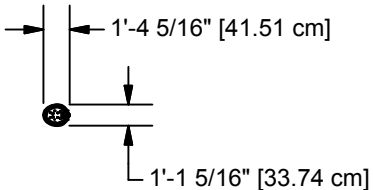
NOTE: After installation, the seat height should be per Seat Height Chart.



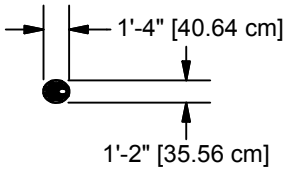

## *ASSEMBLY VIEWS*




39012




39013




39014

## *TOP VIEWS*

## SPECIFICATIONS

***LEAF, TURTLE, & SPIDER SEAT, :*** Shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

***FOOTBUCK:*** Shall be an all welded assembly constructed of 2" SCH 40 galvanized steel pipe and1/4" thick H.R. steel plate.

***SPACER:*** Shall be fabricated from 1 7/8" O.D. x .095" (13 gauge) wall galvanized steel tubing.

***PLUG:*** Shall be fabricated of black butyl rubber with a durometer of 60.

**FINISH:** The Footbuck Weld Ass'y shall be coated with an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

***HARDWARE:*** All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel.

Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

***NOTE:*** All weights are based on average comparisons of each part.

***SPECIFICATIONS:*** GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

| Parts List | | | | | |
|---|---|---|---|---|---|
| ITEM | DESCRIPTION | 39012 | 39013 | 39014 | PART NUMBER |
| 1 | LEAF | 1 | 0 | 0 | 201413 |
| 1 | TURTLE | 0 | 1 | 0 | 201516 |
| 1 | SPIDER | 0 | 0 | 1 | 201416 |
| 2 | FOOTBUCK | 1 | 0 | 0 | 202417 |
| 2 | FOOTBUCK | 0 | 1 | 0 | 202606 |
| 2 | FOOTBUCK | 0 | 0 | 1 | 202423 |
| | HARDWARE COMPLETE | 1 | 1 | 0 | 202419 |
| | HARDWARE COMPLETE | 0 | 0 | 1 | 202420 |
| | 6-23 MONTH AGE LABEL | 1 | 1 | 1 | 202617* |
| | PLUG TOP | 0 | 0 | 1 | 176441* |
| | 3/8" x 1 1/4" B.H.C.S. | 4 | 4 | 4 | 811051* |
| | 3/8" LOCKWASHER | 4 | 4 | 4 | 817334* |
| | 3/8" FLAT WASHER | 4 | 4 | 4 | 817410* |
| | 1/2" ANCHOR ROD | 1 | 1 | 1 | 135038* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***




## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS




☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

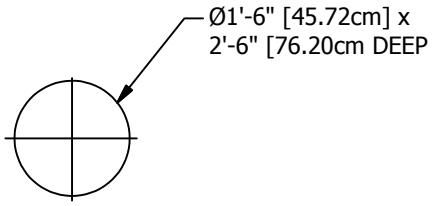
☐ Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.

☐ Check for loose spring castings and tighten.

☐ A soft, resilient surface should be placed under all equipment, extending at least six feet in all directions surrounding the equipment. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

| SEAT HEIGHT CHART | |
|---|---|
| 39012 | 0'-6 1/2" |
| 39013 | 0'-6" |
| 39014 | 0'-6 1/2" |

Concrete Required:
.10 Cubic Yards
[.07 Cubic Meters]




## ***GROUND PLAN***

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED. MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING

HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE TYPICAL FOOTING DETAIL. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

NOTE:

SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

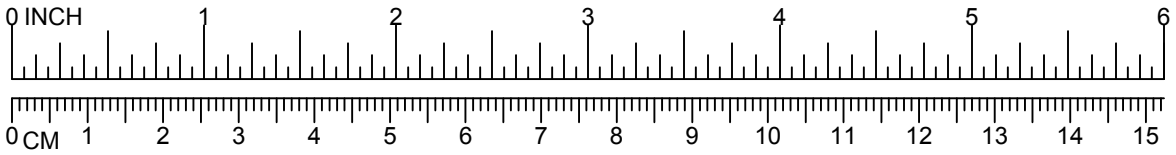
# DETAILS -for-
# 39012, 39013, & 39014

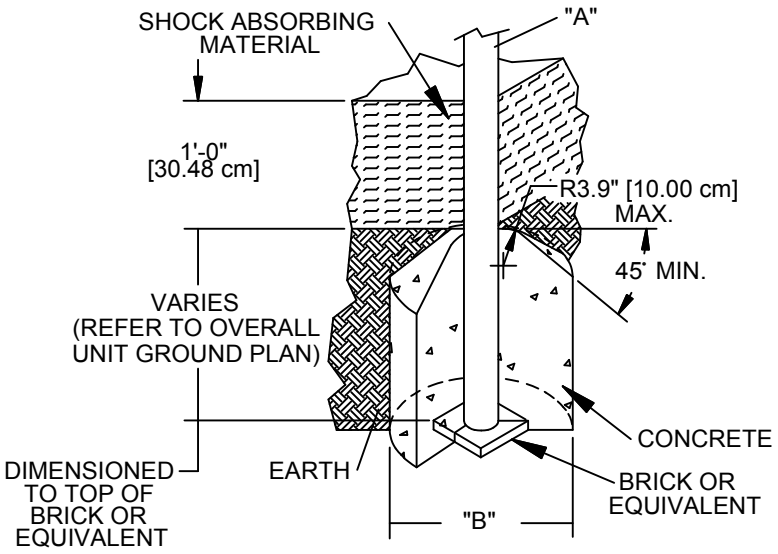
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



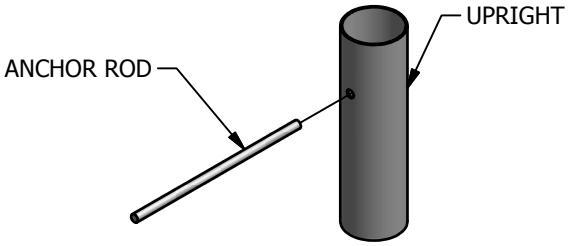




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/4" [3.18 cm] | 1'-2" [35.56 cm] |
| 1 1/2" [3.81 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

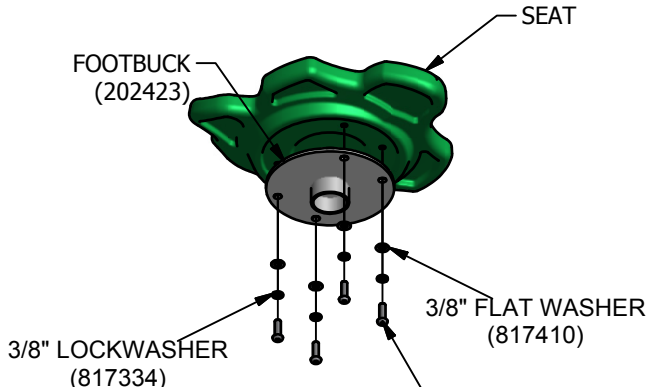
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

003




232




271

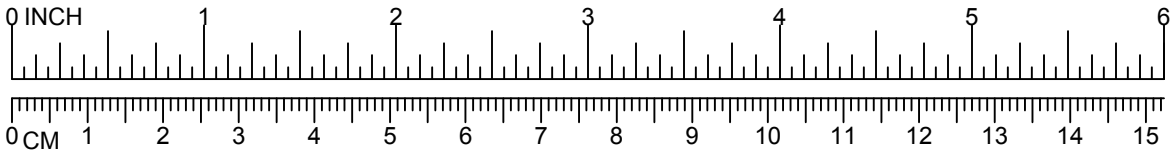
# DETAILS -for-
# 39012, 39013, & 39014

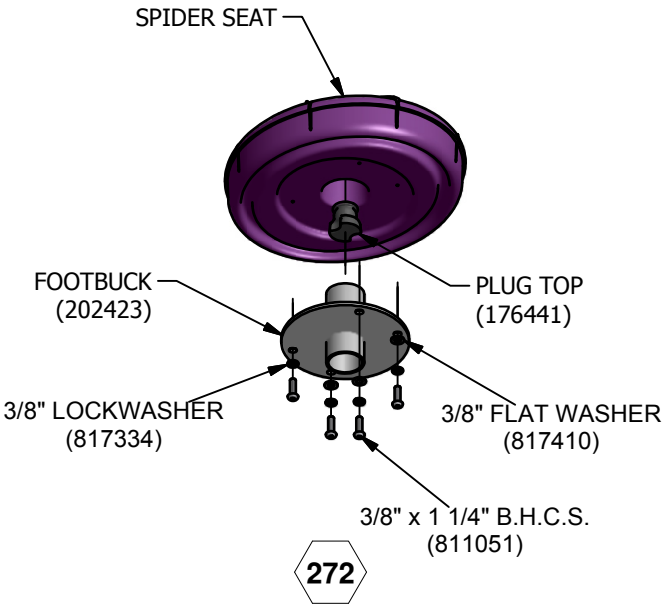
***I***MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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**ISSUED/REVISED: 3/24/10**

# 80000
# DECKS

⬡ = INSTALLATION DETAIL

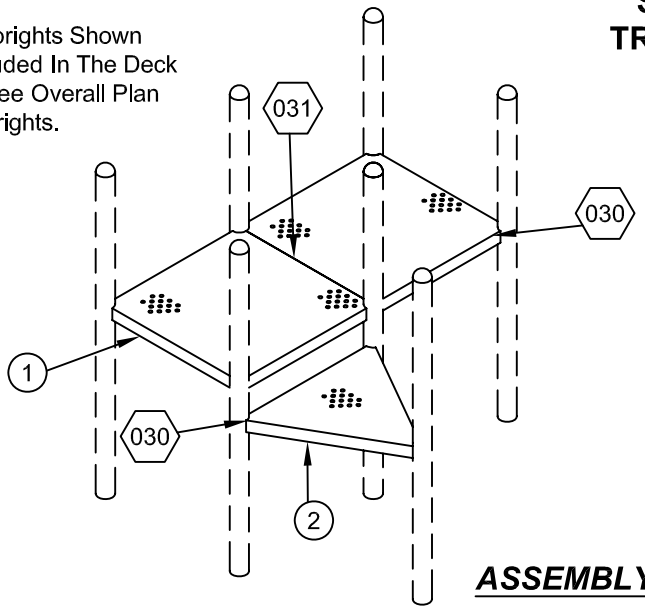
◯ = PARTS LIST REFERENCE

**SQUARE 80000**
**TRIANGLE 80001**

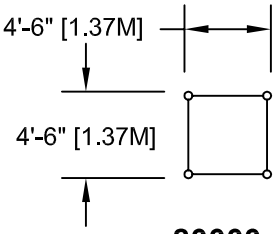
Note: The Uprights Shown Are Not Included In The Deck Packages. See Overall Plan View For Uprights.

## *INSTALLATION INSTRUCTIONS*

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Dig ground holes per Ground Plan. See system topview for quantity.
3. Attach deck to uprights using (1) Detail 030 per upright.
4. Loctite (supplied by others) should be used on all threaded hardware.
5. When decks are at the same height as shown in Assembly Drawing, fasten together using (2) Detail 031.
***NOTE:*** Remove vinyl from the two inside holes, with 1/2" bit.

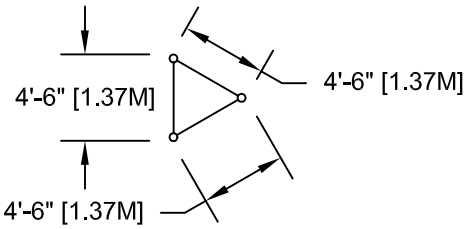



***ASSEMBLY DRAWING***




**80000**

***TOP VIEWS***




**80001**

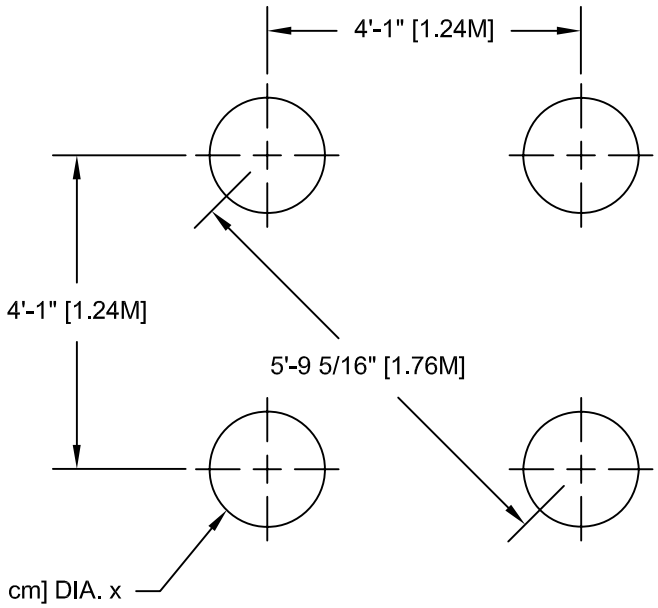
## *PARTS LIST*

| REF NO. | DESCRIPTION | 80000 | 80001 | PART NUMBER |
|---|---|---|---|---|
| 1 | Punched Deck, Square | 1 | 0 | 163307 |
| 2 | Punched Deck, Triangle | 0 | 1 | 163317 |
| | *Hardware Complete* | 1 | 0 | 161254 |
| | *Hardware Complete* | 0 | 1 | 161255 |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 2 | 2 | 812052* |
| | 3/8" x 1 1/2" P.B.H.C.S. | 8 | 6 | 810053* |
| | 3/8" Tee-Nut | 2 | 2 | 804556* |
| | 3/8" Lockwasher | 10 | 8 | 817334* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 10 | 8 | 817424* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

PlayCore™ Moving play forward.℠

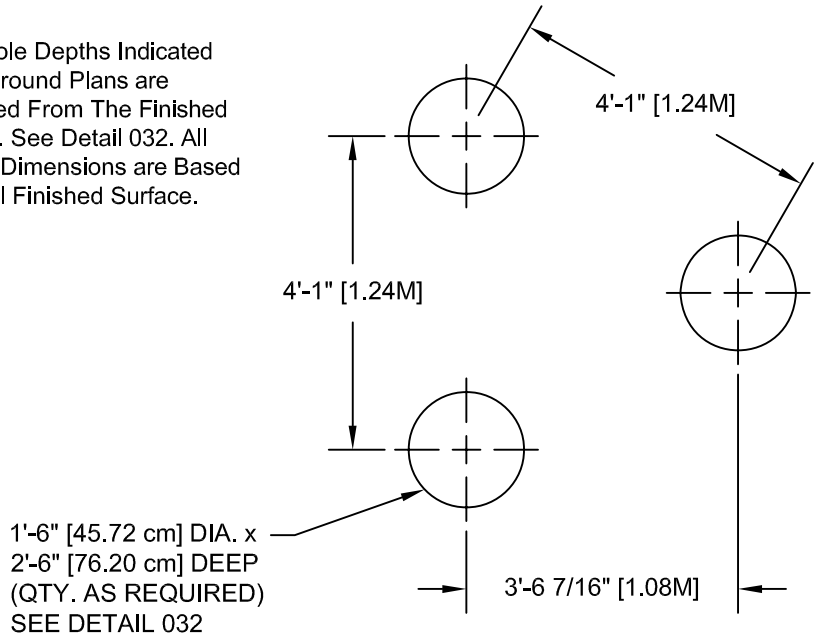
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***




**80000**

Concrete Required
.10 Cubic Yards [.07 cm]
Per Upright Ground Hole

Note: Hole Depths Indicated on All Ground Plans are Measured From The Finished Surface. See Detail 032. All Footing Dimensions are Based on Level Finished Surface.




**80001**

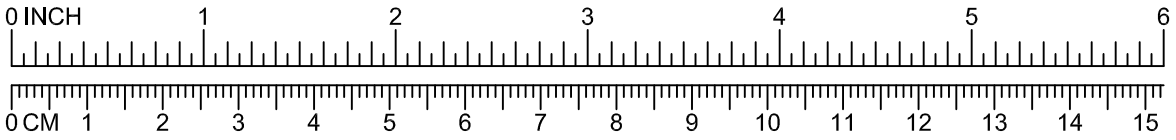
## *GROUND PLANS*

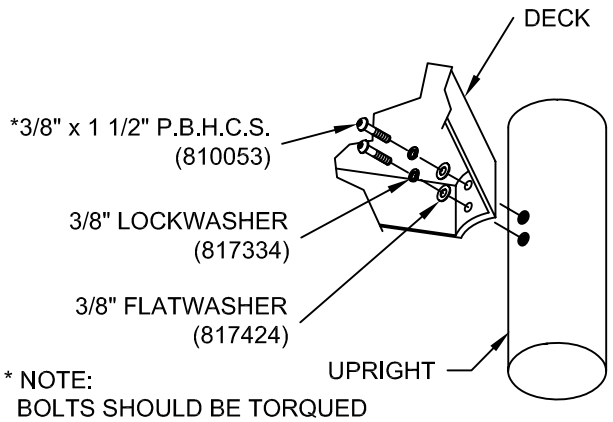
# DETAILS -for- 80000 & 80001

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***

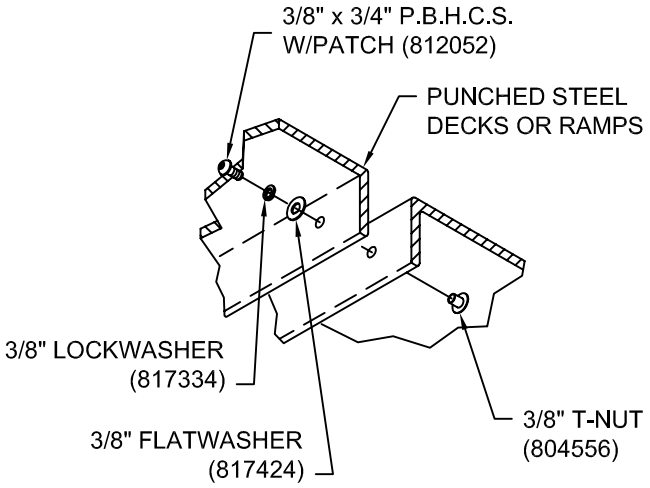


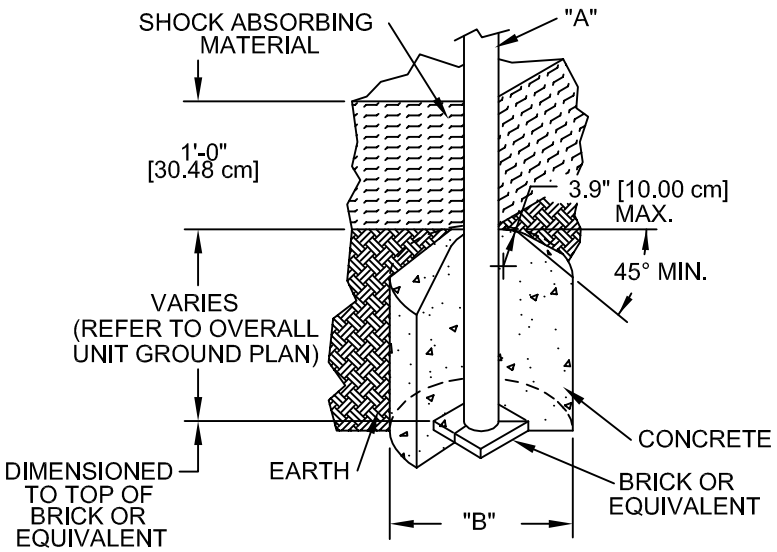

* NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

* NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

030




031




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

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**ISSUED/REVISED: 09/01/2021**

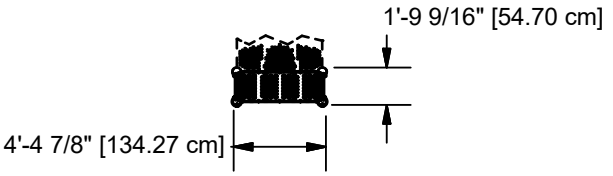
# 80082 SLIDE TRANSFER PLATFORM

⬡ = INSTALLATION DETAIL

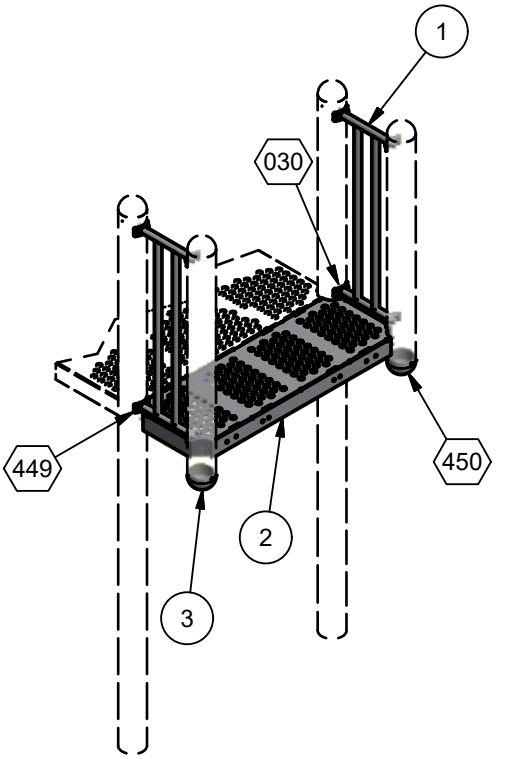
◯ = PARTS LIST REFERENCE

**INSTALLATION INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




TOP VIEW




ASSEMBLY DRAWING

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | HANDRAIL | 2 | 176344 |
| 2 | PLATFORM | 1 | 176330 |
| 3 | ALUMINUM END CAP | 2 | 166376 |
| | *********HARDWARE COMPLETE********** | 1 | 200649 |
| | 3/8" x 1 1/2" P.B.H.C.S. | 8 | 810053 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 16 | 812053 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" LOCK WASHER | 24 | 817334 |
| | SELF SEALING POP-RIVET | 4 | 140068 |
| | 3/8" FLAT WASHER | 16 | 817410 |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

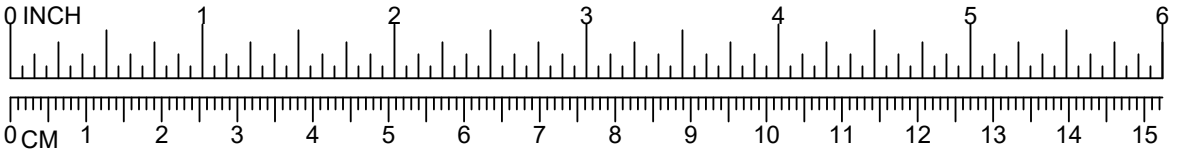
# DETAILS -for-
# 80082

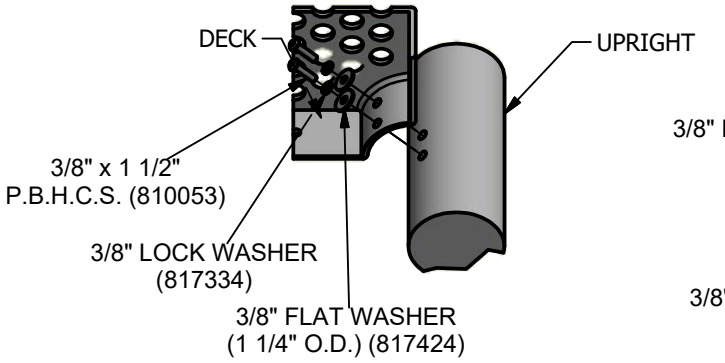
**I**MPORTANT

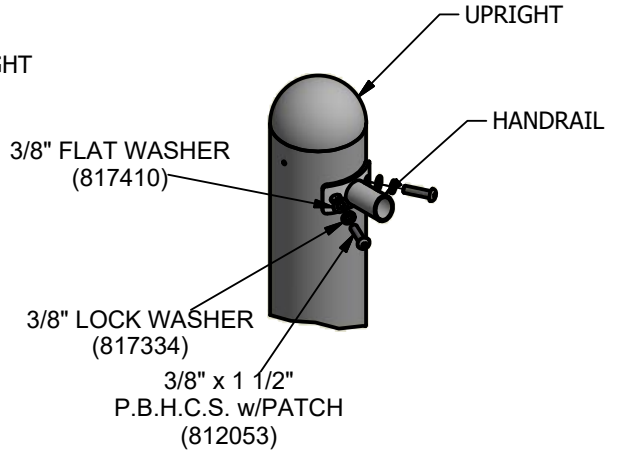
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



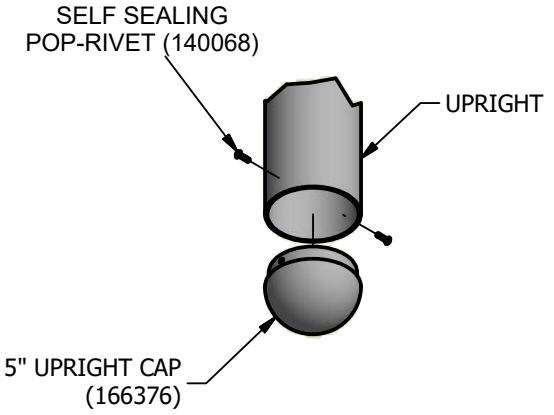




*NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

030

449

*NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.




450

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**ISSUED/REVISED: 08/29/12**

# 80601 ENTRANCE BARRIERS

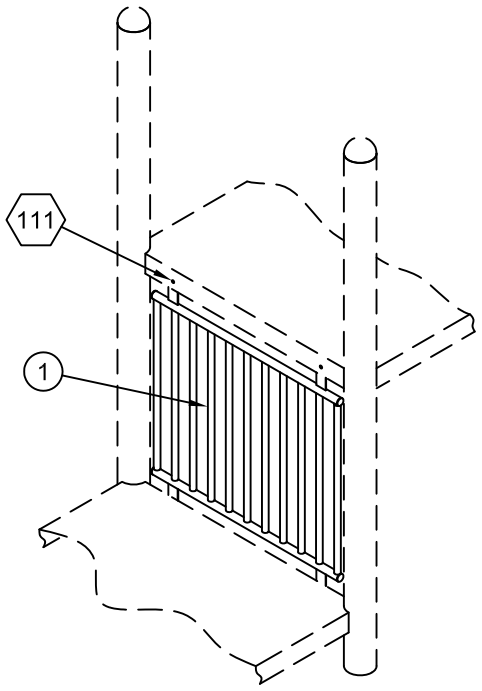
| | |
|---|---|
| 1'-6" | 80601 |
| 2' | 80602 |
| 2'-6" | 80603 |
| 3' | 80604 |
| 3'-6" | 80605 |

⬡ = INSTALLATION DETAIL

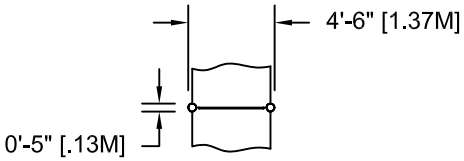
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

Note: Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.




***ASSEMBLY DRAWING***




***TOP VIEW***

## *PARTS LIST*

| REF NO. | DESCRIPTION | 80601 | 80602 | 80603 | 80604 | 80605 | PART NUMBER |
|---|---|---|---|---|---|---|---|
| 1 | Entrance Barrier | 1 | 0 | 0 | 0 | 0 | 147642 |
| 1 | Entrance Barrier | 0 | 1 | 0 | 0 | 0 | 163434 |
| 1 | Entrance Barrier | 0 | 0 | 1 | 0 | 0 | 163436 |
| 1 | Entrance Barrier | 0 | 0 | 0 | 1 | 0 | 163438 |
| 1 | Entrance Barrier | 0 | 0 | 0 | 0 | 1 | 163440 |
| | *Hardware Complete* | 1 | 1 | 1 | 1 | 1 | 147649 |
| | 3/8" x 1" P.B.H.C.S. w/Patch | 4 | 4 | 4 | 4 | 4 | 812050* |
| | 3/8" Lockwasher | 4 | 4 | 4 | 4 | 4 | 817334* |
| | 3/8" Flatwasher | 8 | 8 | 8 | 8 | 8 | 817424* |
| | 3/8" Hex Nut | 4 | 4 | 4 | 4 | 4 | 804053* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

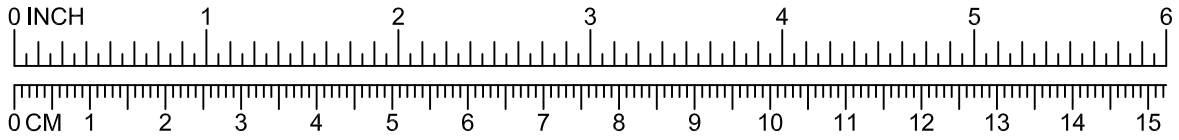
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***Note: Loctite (supplied by others) should be used on all threaded hardware.***

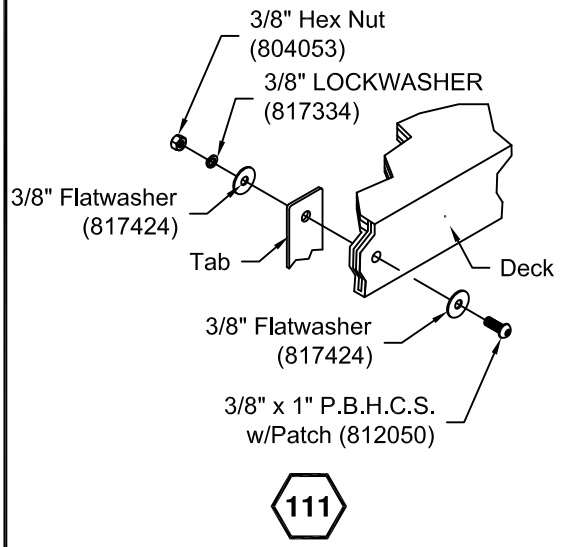
# DETAILS -for-
# 80601,80602,80603,80604 & 80605

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




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**ISSUED/REVISED: 05/12/2023**

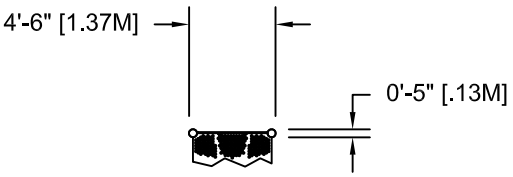
# 80612
# DECK CURB

⬡ = INSTALLATION DETAIL

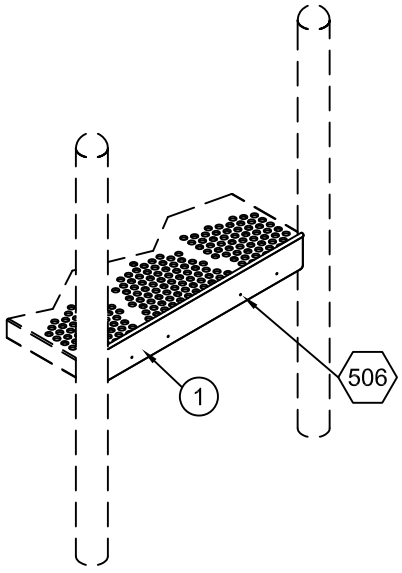
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1.Before assembling this equipment, read the enclosed Installer Instructions in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.




***TOP VIEW***




***ASSEMBLY DRAWING***

## *PARTS LIST*

| REF NO. | DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|---|
| 1 | Deck Curb | 1 | 178172 |
| | Hardware Complete | 1 | 178177 |
| | 3/8" x 3/4" B.H.C.S. w/Patch | 4 | 812052* |
| | 3/8" Flatwasher | 4 | 817424* |
| | 3/8" Tee-Nut (Spanner) | 4 | 804556* |
| | 3/8" Lockwasher | 4 | 817334* |
| | 1/2" Flatwasher | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

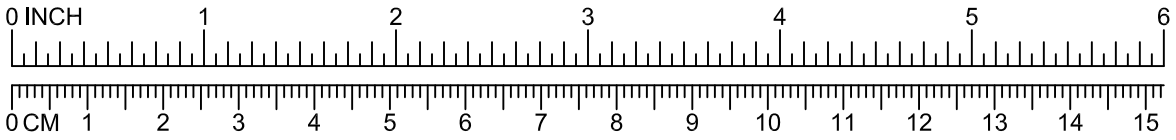
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

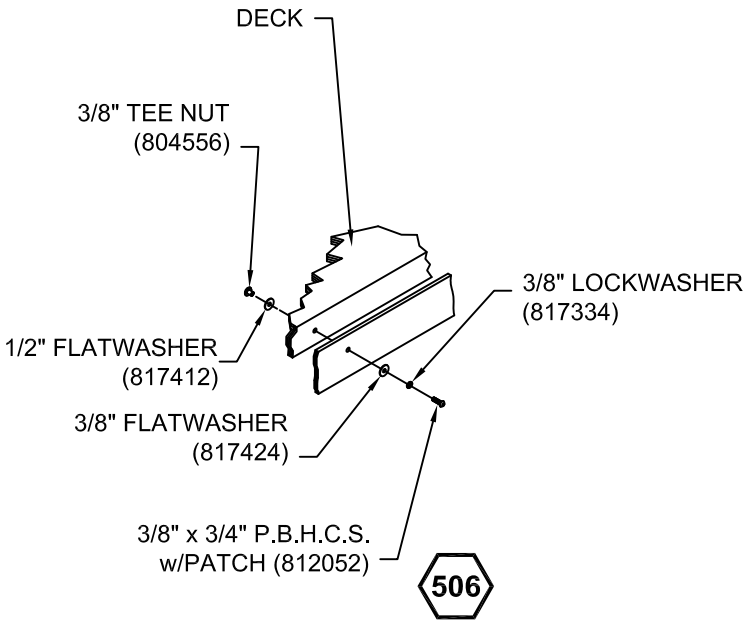
# DETAILS -for-
# 80612

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***



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**ISSUED/REVISED: 02/02/16**

# 80686
# HANDHOLD KICK PLATE PKG.

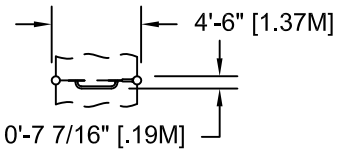
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

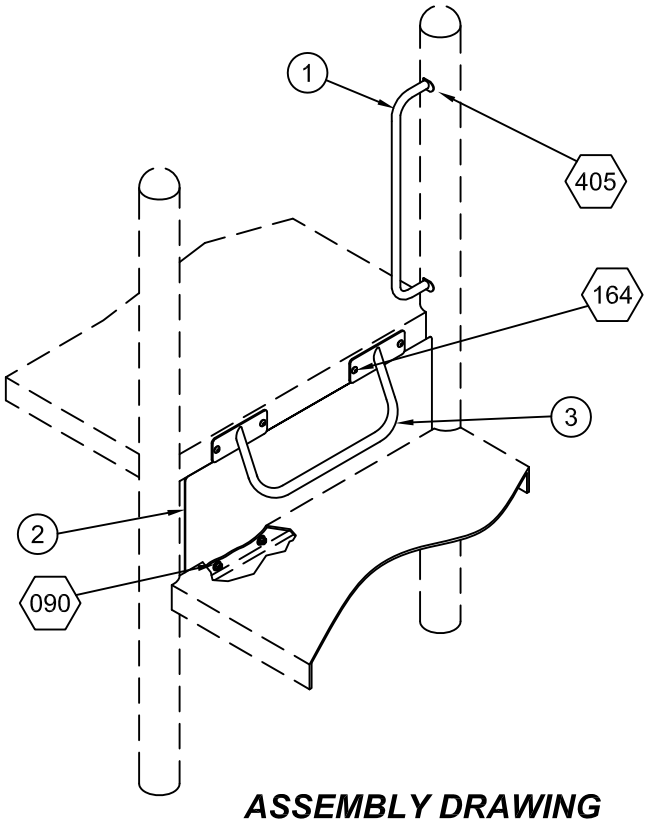
*Note: Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.*

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.




***TOP VIEW***

**NOTE: 1'-6" PLATFORM INCREMENT**




***ASSEMBLY DRAWING***

## *PARTS LIST*

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---|---|---|---|
| 1 | Handhold Ass'y | 1 | 211395 |
| 2 | Filler/Kick Plate | 1 | 151093 |
| 3 | Step Down Rung | 1 | 151088 |
| | *Hardware Complete* | 1 | 177010 |
| | 3/8" Lockwasher | 12 | 817334* |
| | 3/8" Flatwasher | 4 | 817410* |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 4 | 812052* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 4 | 817424* |
| | 3/8" Hex Nut | 4 | 804053* |
| | 3/8" Tee Nut | 4 | 804556* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/Patch | 8 | 812051* |
| | 1/2" Flatwasher | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

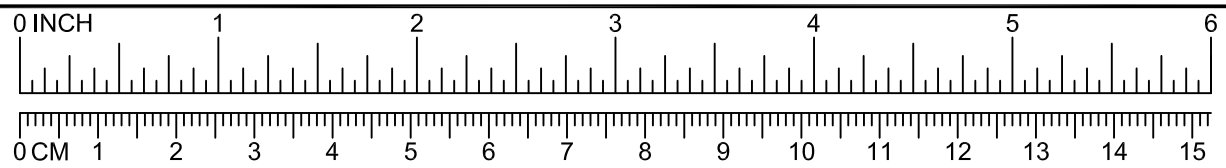
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

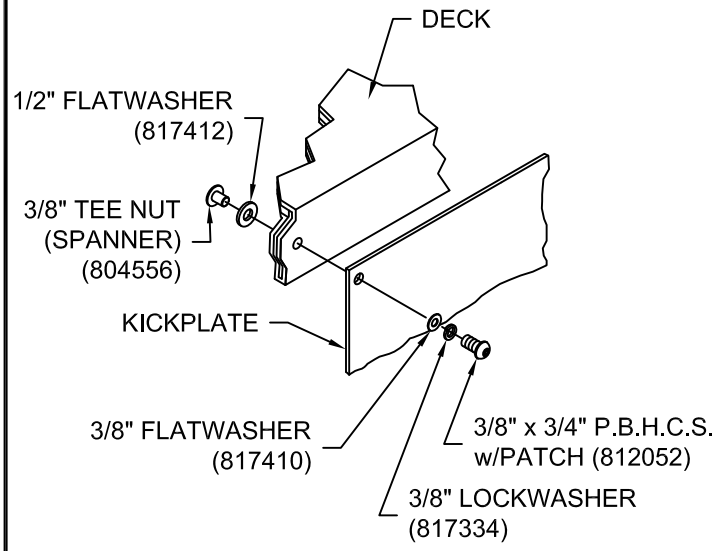
# DETAILS -for-
# 80686

***IMPORTANT***

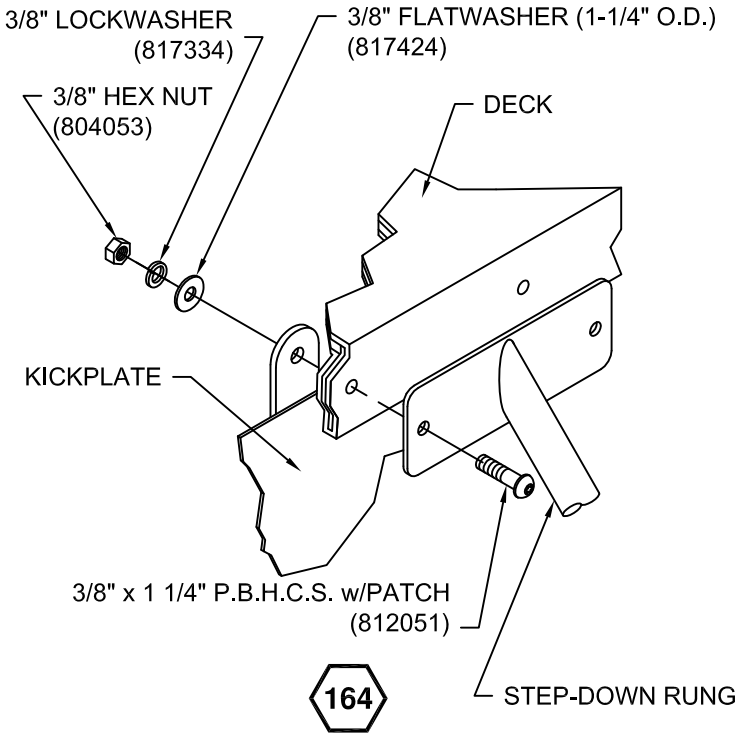
***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***

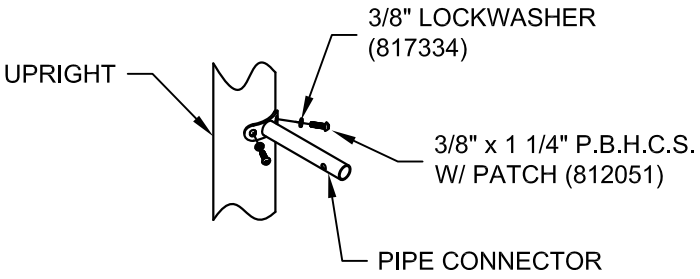



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**ISSUED/REVISED: 2/2/16**

# 80689
# HANDHOLD PACKAGE

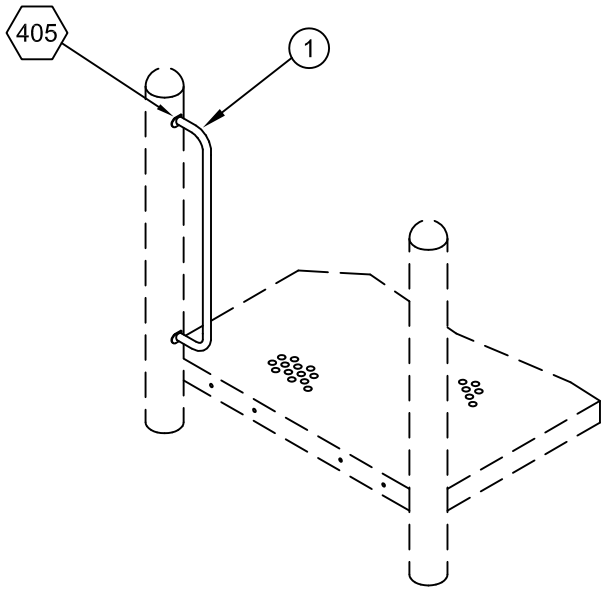
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

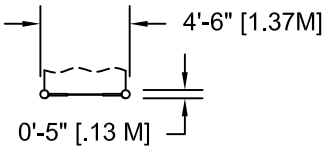
## *INSTALLATION INSTRUCTIONS*

*Note: Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.*

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.




***ASSEMBLY DRAWING***




***TOP VIEW***

## *PARTS LIST*

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---|---|---|---|
| 1 | Handhold Ass'y | 1 | 211395 |
| | *Hardware Complete* | 1 | 177005 |
| | 3/8" x 1 1/4" Hex Head Bolt | 4 | 812051* |
| | 3/8" Lockwasher | 4 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

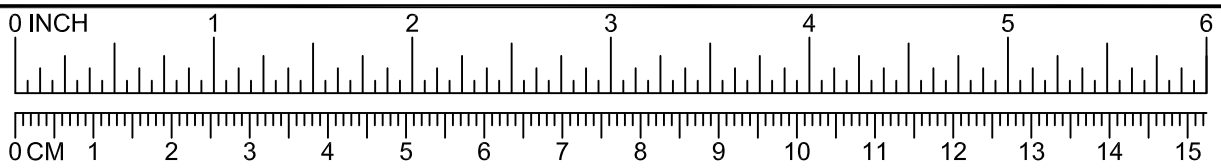
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

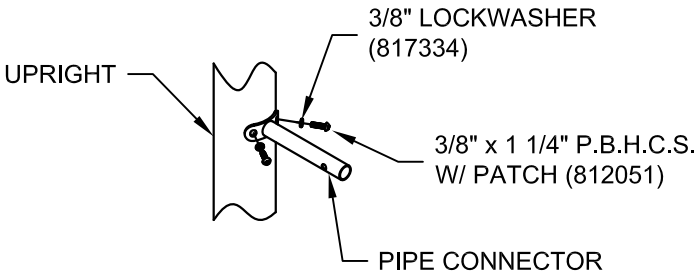
# DETAILS -for-
# 80689

***IMPORTANT***

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***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




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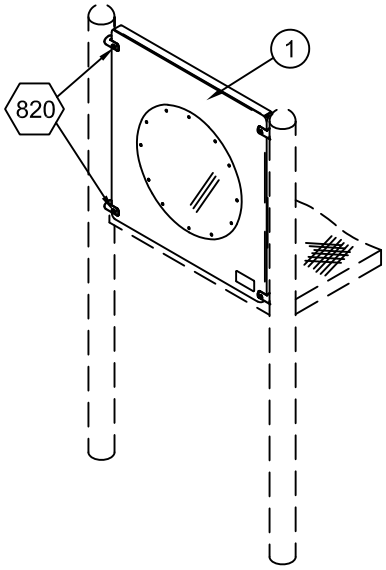
**1-800-235-2440**

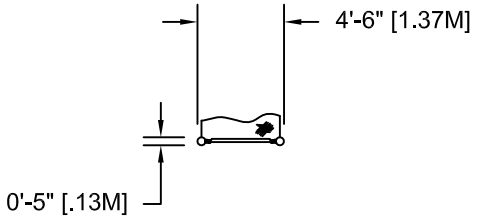
**ISSUED/REVISED: 04/12/2021**

# 80833
# ROUND MIRROR PANEL

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

***ASSEMBLY DRAWING***

## *PARTS LIST*

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---|---|---|---|
| 1 | Round Mirror Panel Ass'y | 1 | 159192 |
| | Panel Attachment Tru-Lock | 4 | W03861 |
| | *Hardware Complete* | 1 | 165096 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/Patch | 4 | 812054* |
| | 3/8" Lockwasher | 8 | 817334* |
| | 3/8" x 1 3/4" Hex Head Bolt | 4 | 801006* |
| | 3/8" Flatwasher | 4 | 817410* |
| | 3/8" Tee Nut | 4 | 804556* |
| | 1/2" Flatwasher | 4 | 817412* |

***Unless Otherwise Specified, All Units of Measure are Each***
**** Included in Hardware***

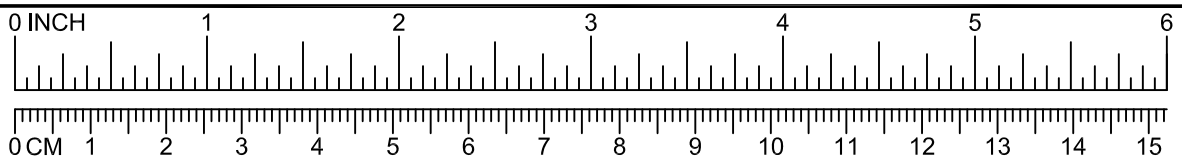
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

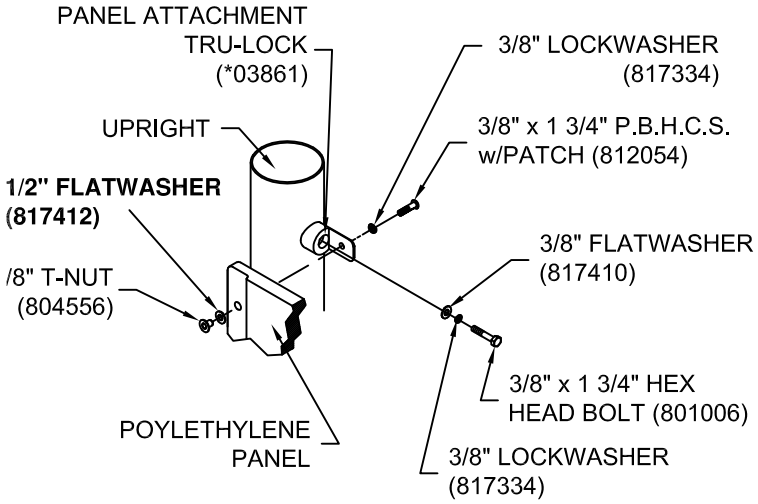
# DETAILS -for-
# 80833

***IMPORTANT***

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***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




*NOTE:
HEX BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

820

( * = B,T,W,G, or K )

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**ISSUED/REVISED: 1/13/21**

# 80931 SINGLE GIZMO PANEL

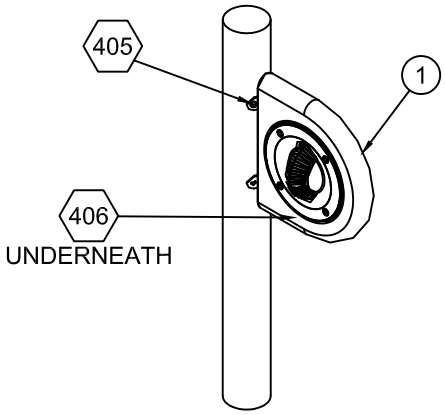
**FOR GIZMOS SEE INSTALLATION SHEET 4956**

⬡ = INSTALLATION DETAIL

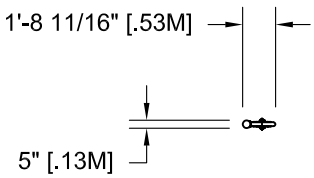
◯ = PARTS LIST REFERENCE

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***ASSEMBLY DRAWING***




***TOP VIEW***

NOTE: OPENING ON PANEL MUST BE FILLED WITH A GIZMO BEFORE PLAYGROUND IS OPERATIONAL.

## PARTS LIST

| REF NO. | DESCRIPTION | 80931 | PART NUMBER |
|---|---|---|---|
| 1 | Single Gizmo Panel | 1 | 169416 |
| | Pipe connector | 2 | 169549 |
| | ***Hardware Complete*** | 1 | 169721 |
| | 3/8" x 1 3/4" Hex Head Bolt | 2 | 801006* |
| | 3/8" Lockwasher | 4 | 817334* |
| | 3/8" Tee-Nut | 2 | 804556* |
| | 3/8" x 1 1/4" P.B.H.C.S. | 4 | 812051* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

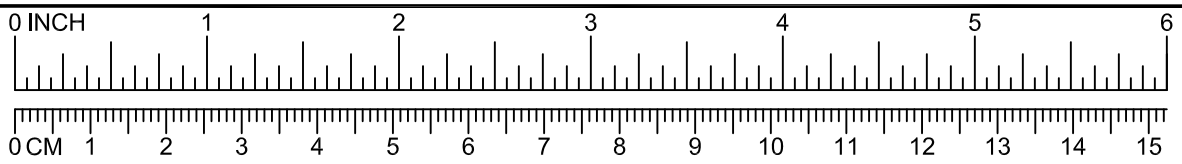
# DETAILS -for-
# 80931

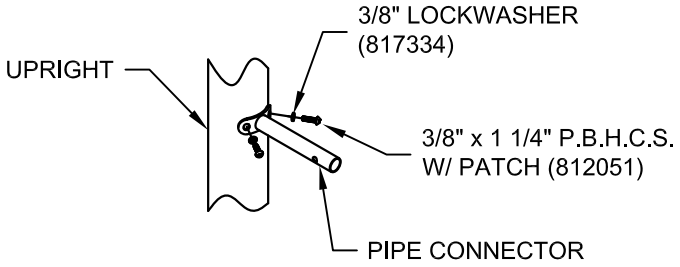
***IMPORTANT***

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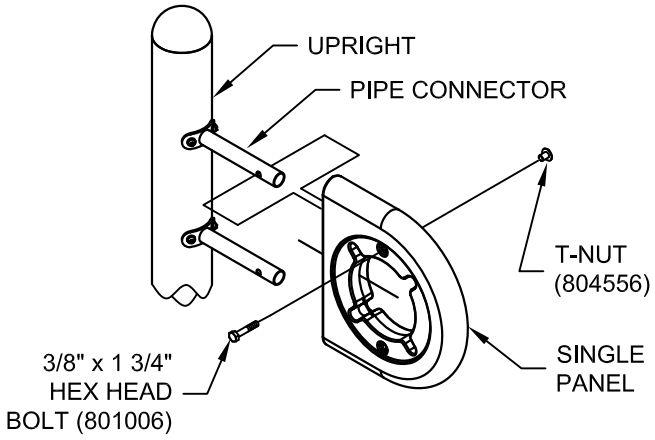
***NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




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**ISSUED/REVISED: 11/4/19**

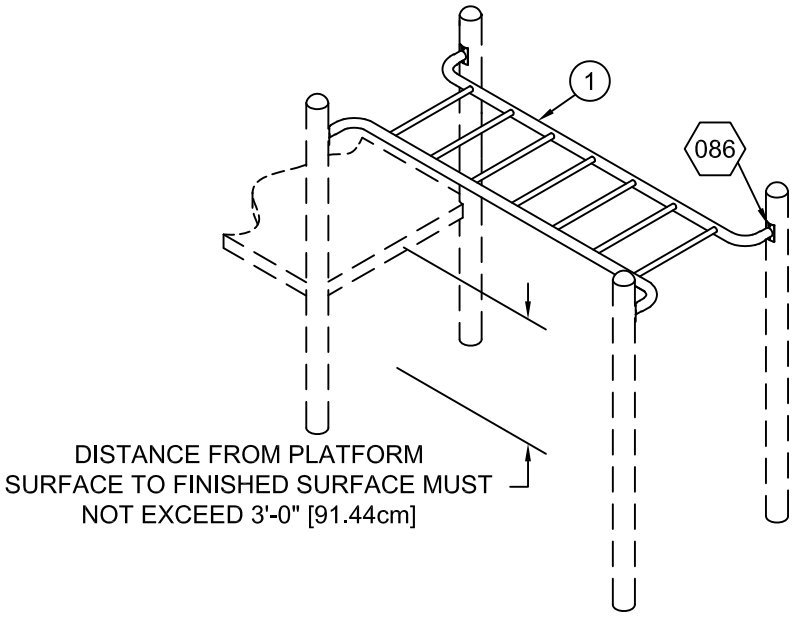
# 81473
# HORIZONTAL LADDER

⬡ = INSTALLATION DETAIL

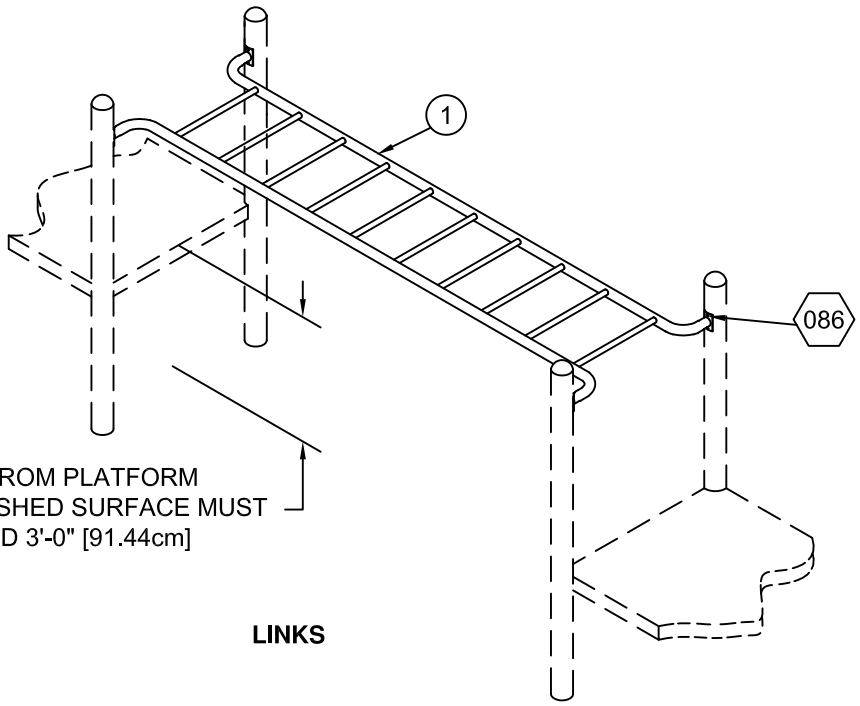
◯ = PARTS LIST REFERENCE




**LINK (2 DECK SPAN) 81473**
**LINK (3 DECK SPAN) 81478**




**ATTACHMENTS**



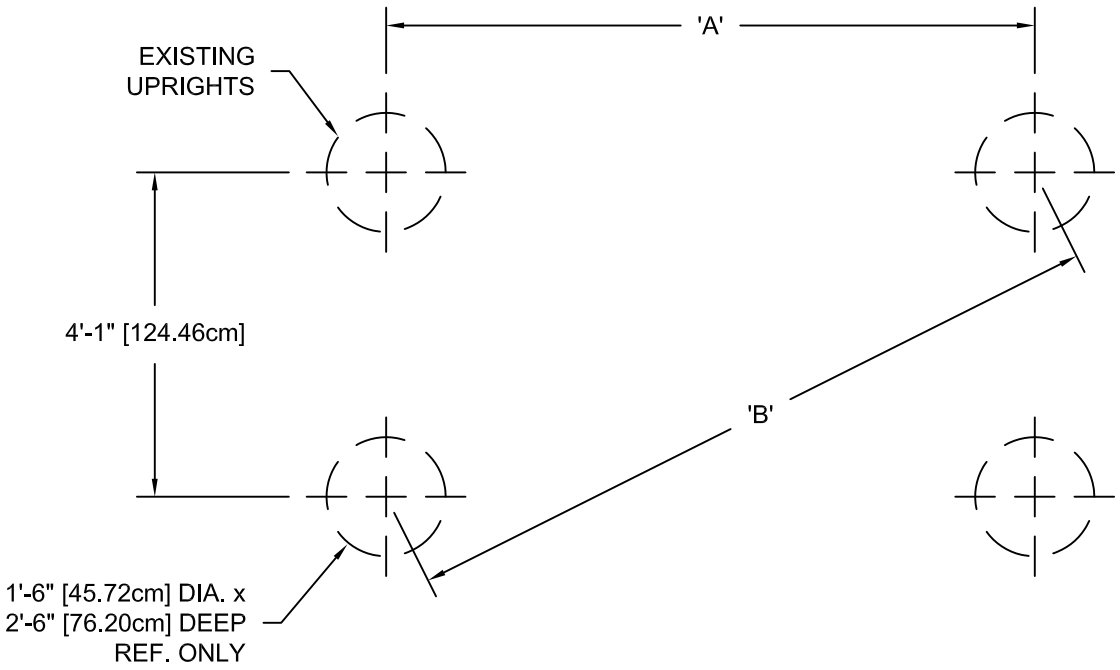

**LINKS**

## *INSTALLATION INSTRUCTIONS*

Note: Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.

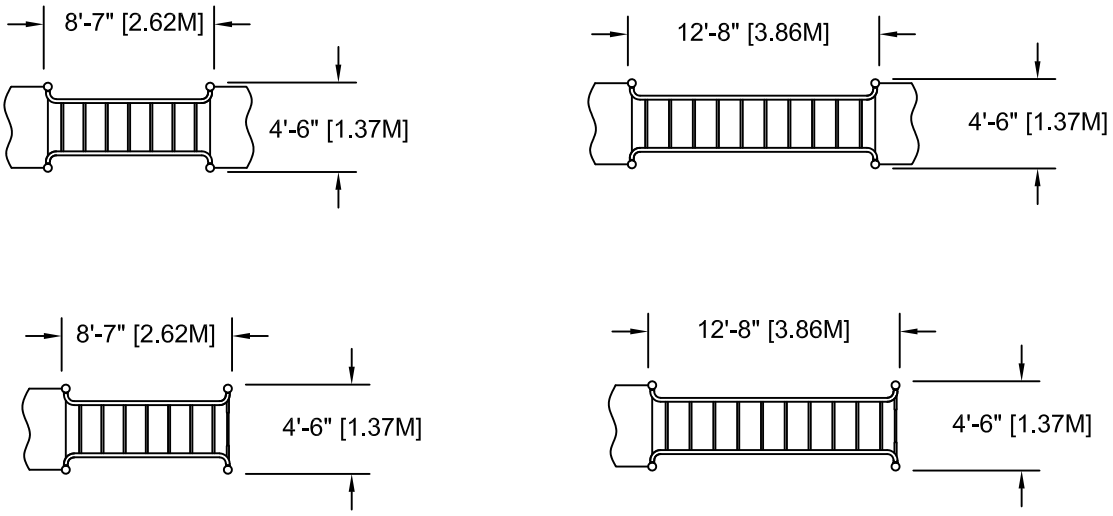
## ***ASSEMBLY DRAWINGS***




| Link | Dim 'A' | Dim 'B' |
|---|---|---|
| 81473 | 8'-2" [248.92cm] | 9'-1 9/16" [278.30cm] |
| 81478 | 12'-3" [373.38cm] | 12'-10 15/16" [393.58cm] |

Note: Hole Depths Indicated on All Ground Plans are Measured From The Finished Surface. See Detail 032. All Footing Dimensions are Based on Level Finished Surface.

## ***GROUND PLAN***




## ***TOP VIEWS***

## *PARTS LIST*

| REF NO. | DESCRIPTION | 81473 | 81478 | PART NUMBER |
|---|---|---|---|---|
| 1 | Horizontal Ladder (98") | 1 | 0 | 160445 |
| 1 | Horizontal Ladder (147") | 0 | 1 | 160487 |
| | *Hardware Complete* | 1 | 1 | 164706 |
| | 3/8" x 1" P.B.H.C.S. w/Patch | 8 | 8 | 812050* |
| | 3/8" Lockwasher | 8 | 8 | 817334* |
| | 3/8" Flatwasher | 8 | 8 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

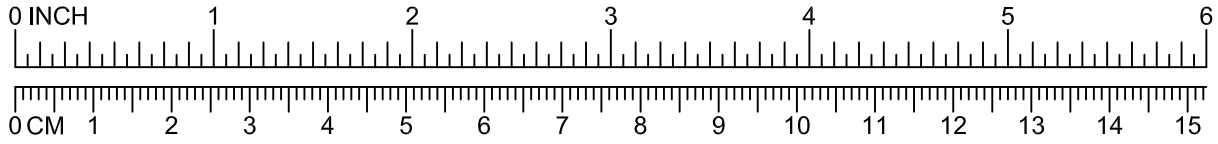
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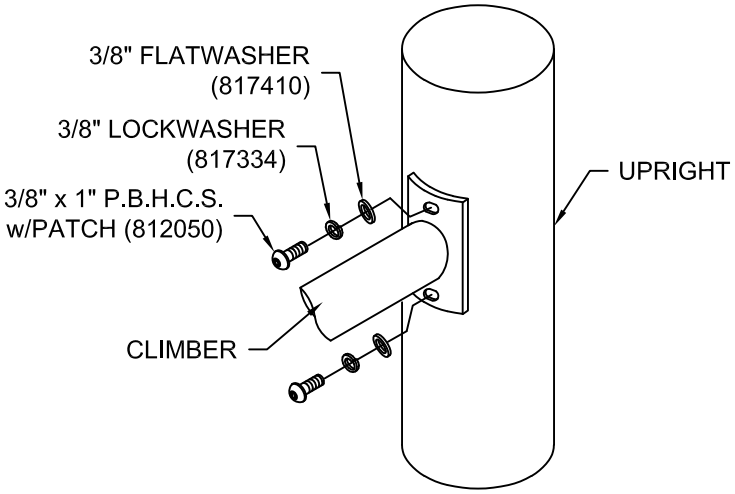
# DETAILS -for-
# 81473 & 81478

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




086

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**ISSUED/REVISED: 11/4/09**

# 81666

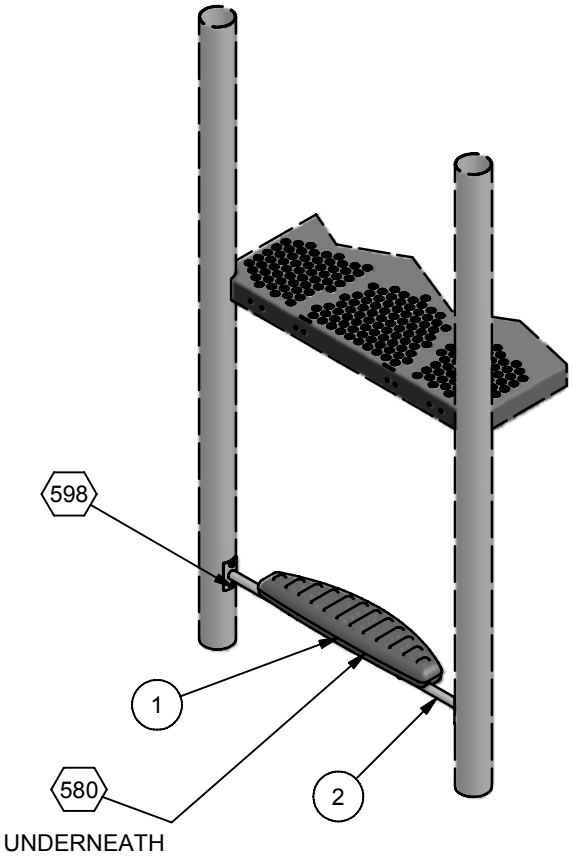
# FUN SEAT

⬡ = INSTALLATION DETAIL

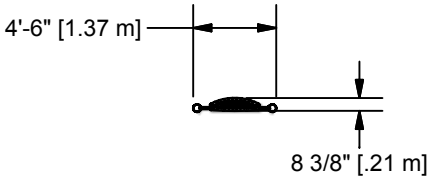
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***ASSEMBLY DRAWING***



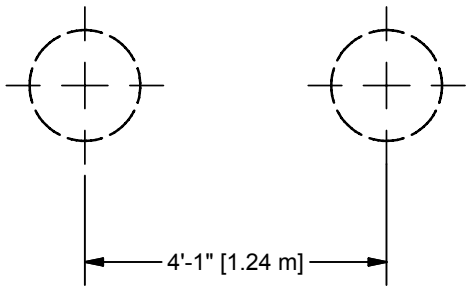

***TOP VIEW***

| PARTS LIST | | | |
|---|---|---|---|
| REF No. | DESCRIPTION | QTY | PART NUMBER |
| 1 | NATURE DISCOVERY TABLE SEAT | 1 | 179945 |
| 2 | SEAT FRAME WELD ASS'Y | 1 | 200041 |
| | ***HARDWARE COMPLETE*** | 1 | 200576 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| | 3/8" FLAT WASHER | 8 | 817410* |
| | 3/8" LOCKWASHER | 8 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***




## ***GROUND PLAN***

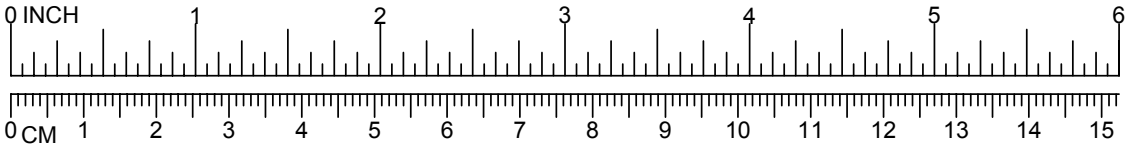
# DETAILS -for- 81666

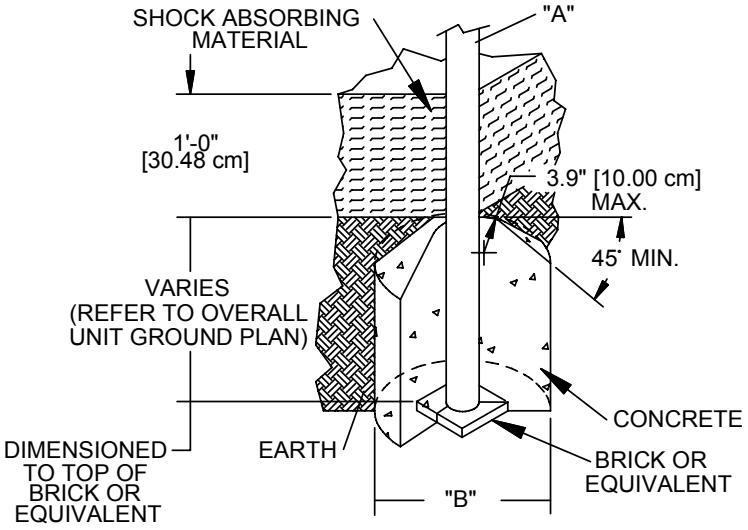
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



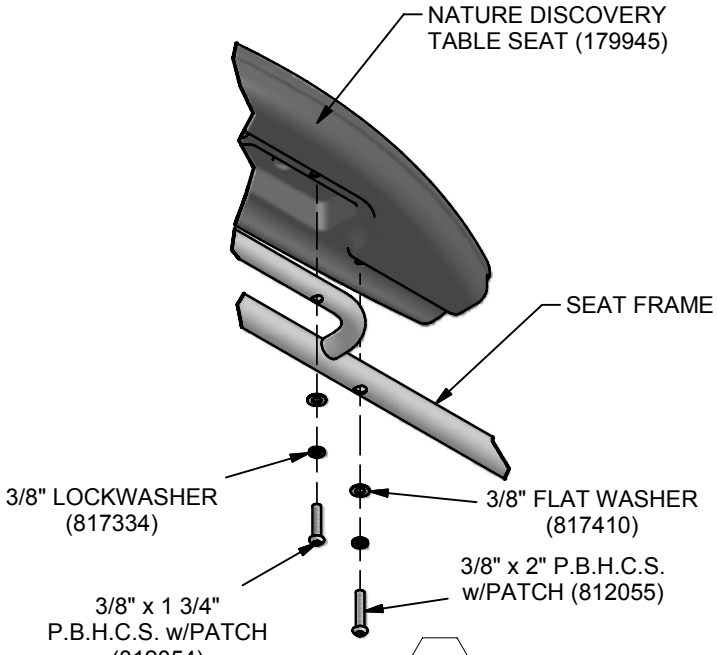




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

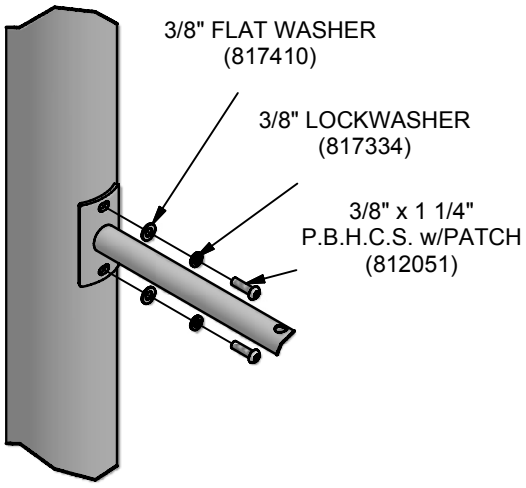
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




580




598

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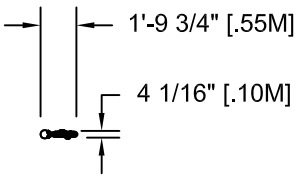
# 81669
# HAND CYCLER

⬡ = INSTALLATION DETAIL

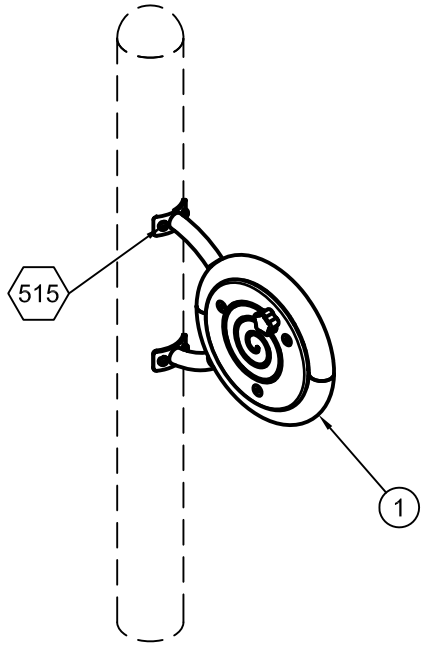
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEW***




***ASSEMBLY DRAWING***

## *PARTS LIST*

| REF NO. | DESCRIPTION | NO. REQ'D | PART NUMBER |
|---|---|---|---|
| 1 | Hand Cycler | 1 | 178368 |
| | *Hardware Complete* | 1 | 178388 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/Patch | 4 | 812051* |
| | 3/8" Lockwasher | 4 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

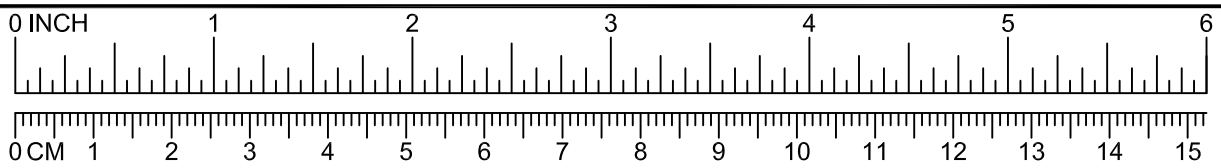
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

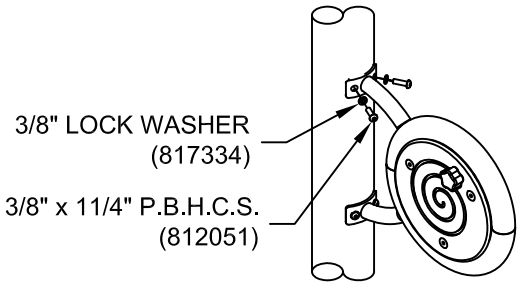
# DETAILS -for-
# 81669

***IMPORTANT***

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***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




515

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ISSUED/REVISED: 1/7/21

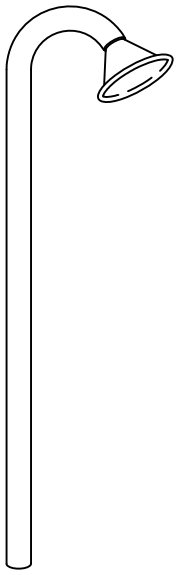
# 81675
# TALK TUBE ATTACHMENTS

⬡ = INSTALLATION DETAIL

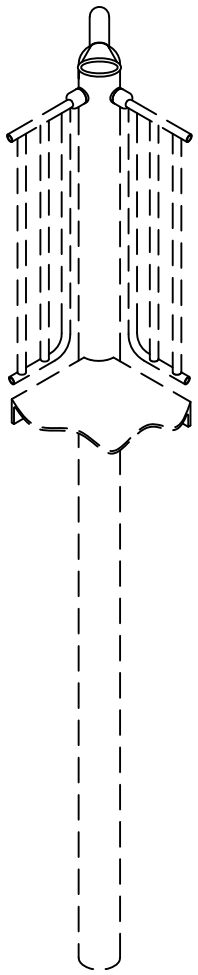
◯ = PARTS LIST REFERENCE

| | |
|---|---|
| 0'-6" THRU 2'-0" | 81675 |
| 2'-6" THRU 4'-0" | 81676 |
| 4'-6" THRU 6'-0" | 81677 |
| 6'-6" THRU 8'-0" | 81678 |
| FREESTANDING | 81768 |

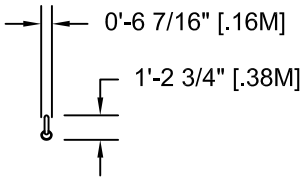


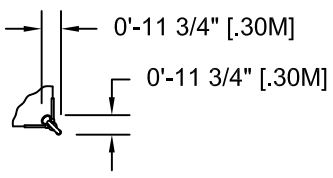
81768



81678 SHOWN




81768




81675-81678

***TOP VIEWS***

# *INSTALLATION INSTRUCTIONS*

***IN-GROUND ASSEMBLY***

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

***DECK ASSEMBLY***

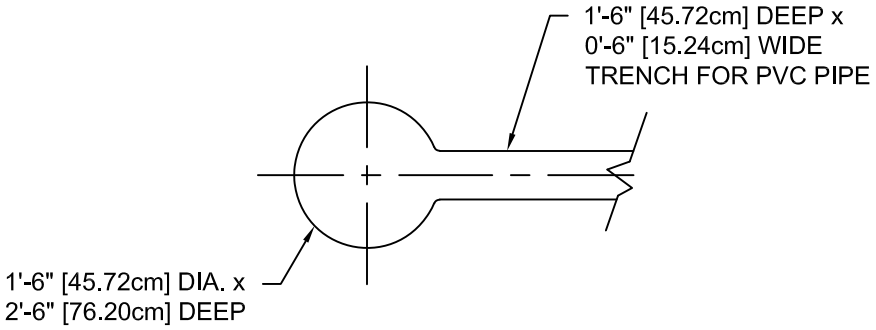
1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Dig 6" wide x 6" deep trench between designated locations for talk tubes.
4. Refer to Pipe Length chart on the *Assembly Drawing* to field cut the non-swaged end of talk tube section to its proper length.
5. Attach Connection Sleeves to Upright. Refer to Detail 436.
6. Slide talk tube section thru Connection Sleeves and attach the talk tube section and 10'-0" lengths of PVC pipe to the 90° PVC elbow using the Fitting Detail.
7. Slide the Funnel Assembly thru connection sleeve. Fit Funnel Assembly over swaged top on Talk Tube Section. Refer to detail 245. ***Note: See Top View for orientation. Funnel Assembly should be positioned directly over top of upright as shown in Assembly Drawing and Top View.***

8. Refer to the Assembly Drawing dimensions of Funnel Assembly in relation to the upright. Attach Funnel Assembly and Talk Tube Section to Connection Sleeves using pop rivets. Refer to detail 435.

9. For Ground level installation attach Funnel Assembly to upright using detail 430. Refer to 90661 Assembly Drawing for proper placement.

***Attention*:** Because sound travels best in a straight line, the pipe and couplings furnished with this product accommodate in-line installation. If your installation requires turns in the pipe, you may purchase the appropriate 1-1/4" PVC couplings at a local hardware or plumbing supply store.

NOTE: NO CONCRETE IS REQUIRED FOR TRENCH, REFER TO *TOP VIEW* IN INSTALLATION MANUAL FOR TRENCH LENGTH. DISTANCE WILL VARY.

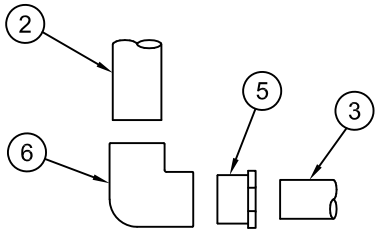



## *GROUND PLAN*

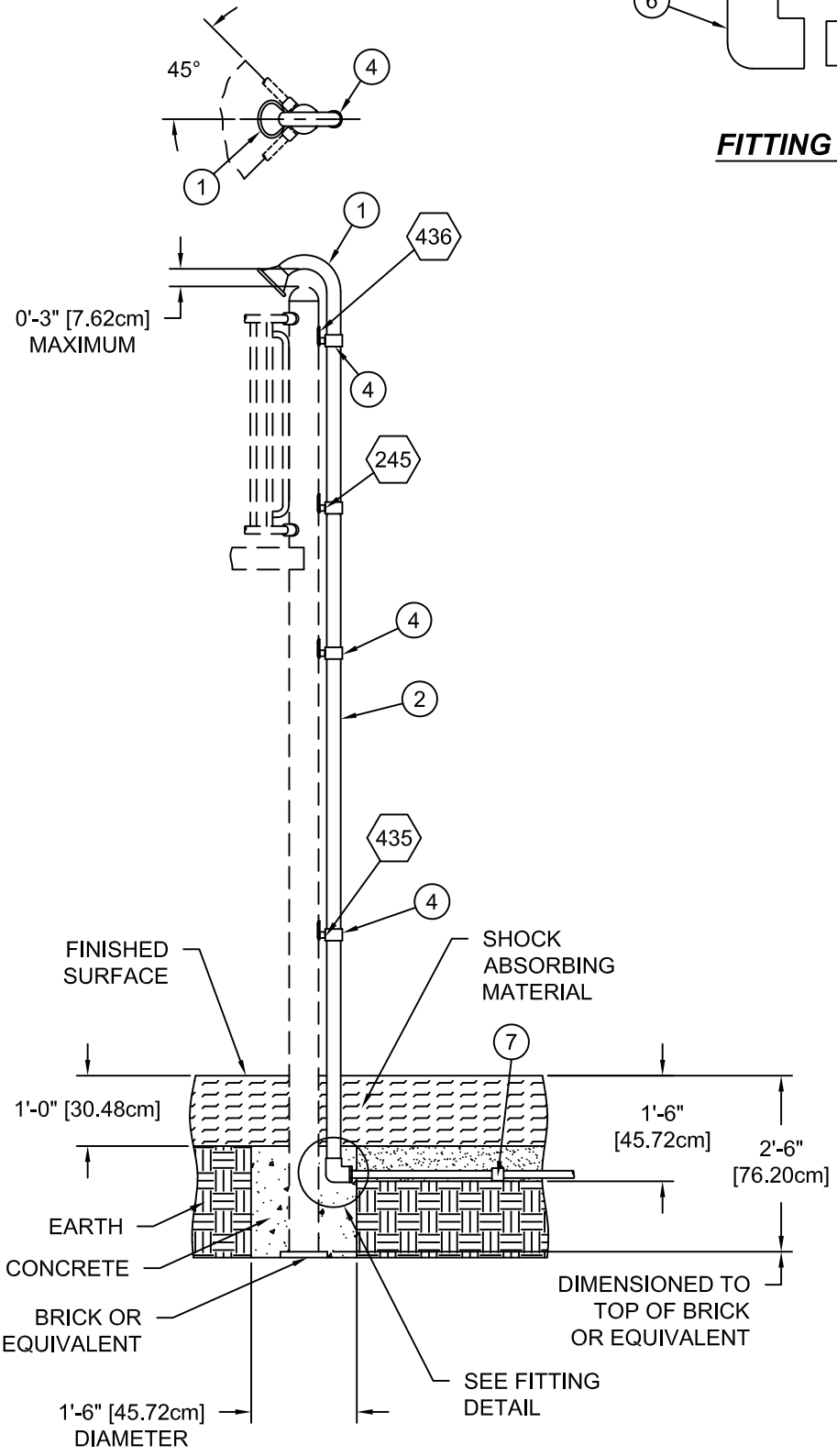
CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]

NOTE: SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE *ASSEMBLY DRAWINGS*. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



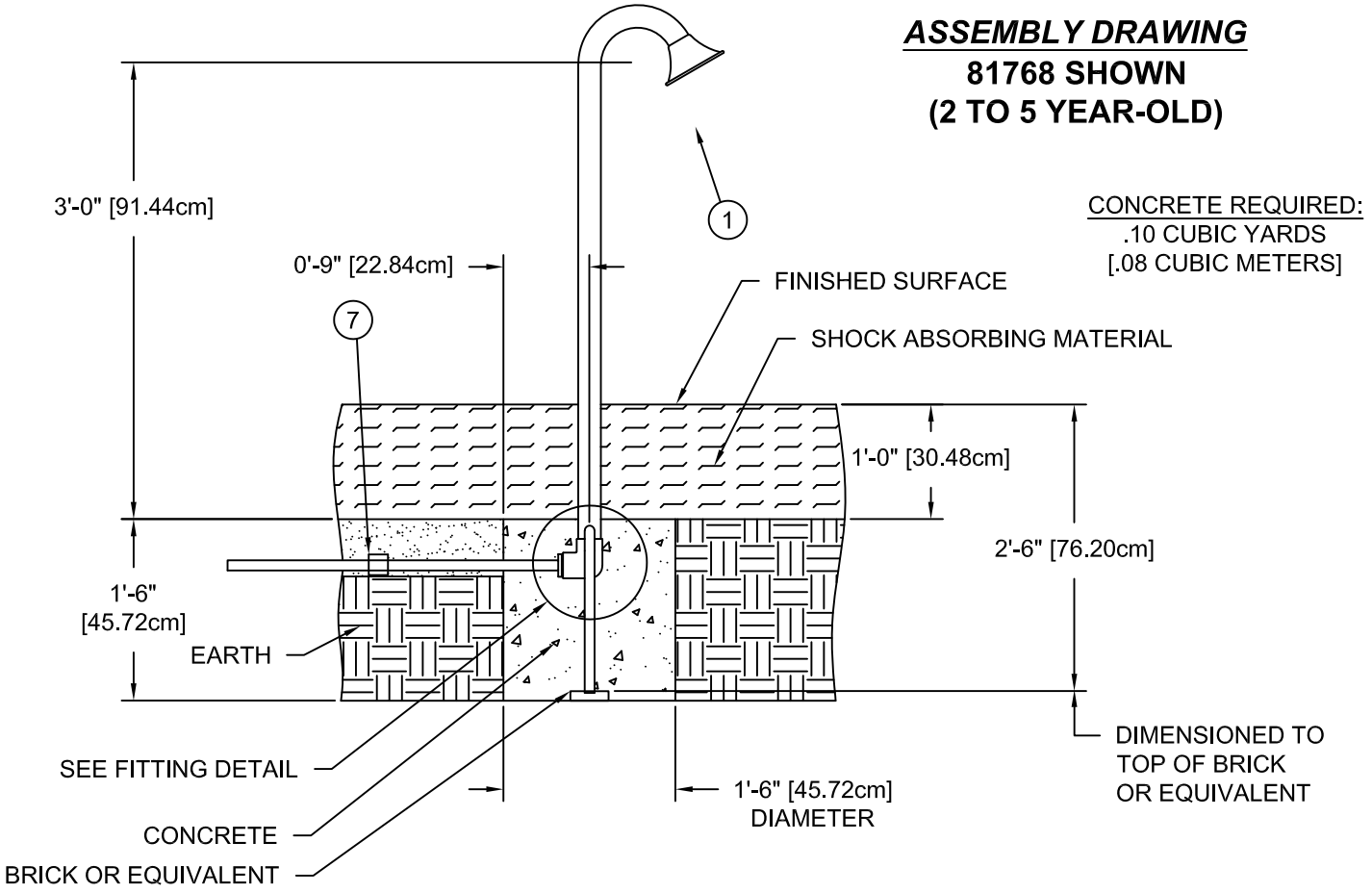

***FITTING DETAIL***

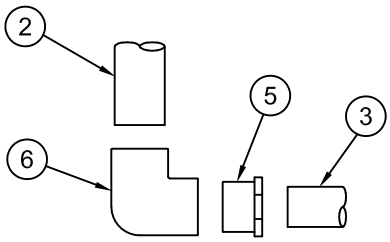



***ASSEMBLY DRAWING***

**81678 SHOWN**
**(2-12 YR. OLD)**

## *ASSEMBLY DRAWING*
## 81768 SHOWN
## (2 TO 5 YEAR-OLD)




***FITTING DETAIL***

## TALK TUBE SECTION LENGTHS

* MEASURED FROM SWAGED END
TO OPPOSITE END OF PIPE.

| PRODUCT NO. | DECK HEIGHT | LENGTH OF TALK TUBE SECTION (NON-SWAGED END) TO BE REMOVED IN FIELD | FINAL TALK TUBE SECTION LENGTHS |
|---|---|---|---|
| 81675 | 0'-6" | 12" LG. | 36 1/2" LG. |
| | 1'-0" | 12" LG. | 36 1/2" LG. |
| | 1'-6" | NO CUTTING REQUIRED | 48 1/2" LG. |
| | 2'-0" | NO CUTTING REQUIRED | 48 1/2" LG. |
| 81676 | 2'-6" | 12" LG. | 60 1/2" LG. |
| | 3'-0" | 12" LG. | 60 1/2" LG. |
| | 3'-6" | NO CUTTING REQUIRED | 72 1/2" LG. |
| | 4'-0" | NO CUTTING REQUIRED | 72 1/2" LG. |
| 81677 | 4'-6" | 12" LG. | 84 1/2" LG. |
| | 5'-0" | 12" LG. | 84 1/2" LG. |
| | 5'-6" | NO CUTTING REQUIRED | 96 1/2" LG. |
| | 6'-0" | NO CUTTING REQUIRED | 96 1/2" LG. |
| 81678 | 6'-6" | 12" LG. | 108 1/2" LG. |
| | 7'-0" | 12" LG. | 108 1/2" LG. |
| | 7'-6" | NO CUTTING REQUIRED | 120 1/2" LG. |
| | 8'-0" | NO CUTTING REQUIRED | 120 1/2" LG. |

# *PARTS LIST*

| REF. NO. | DESCRIPTION | NO. REQ'D. | | | | | PART NUMBER |
|---|---|---|---|---|---|---|---|
| | | 81675 | 81676 | 81677 | 81678 | 81768 | |
| 1 | Funnel Weld Assembly | 1 | 1 | 1 | 1 | 0 | 165273 |
| 1 | Funnel Weld Assembly | 0 | 0 | 0 | 0 | 1 | 206446 |
| 2 | Pipe, 48-1/2" Lg. (for 0'-6" to 2'-0" Deck) | 1 | 0 | 0 | 0 | 0 | 159378 |
| 2 | Pipe, 72-1/2" Lg. (for 2'-6" to 4'-0" Deck) | 0 | 1 | 0 | 0 | 0 | 165585 |
| 2 | Pipe, 96-1/2" Lg. (for 4'-6" to 6'-0" Deck) | 0 | 0 | 1 | 0 | 0 | 159412 |
| 2 | Pipe, 120-1/2" Lg. (for 6'-6" to 8'-0" Deck) | 0 | 0 | 0 | 1 | 0 | 165587 |
| 3 | 1-1/4" PVC Pipe (10' Lg.) | 2 | 2 | 2 | 2 | 2 | 147221 |
| 4 | Connection Sleeve Assembly | 3 | 3 | 4 | 4 | 0 | 176453* |
| | *Hardware Complete* | 1 | 1 | 0 | 0 | 0 | 166070 |
| | *Hardware Complete* | 0 | 0 | 1 | 1 | 0 | 166071 |
| | *Hardware Complete* | 0 | 0 | 0 | 0 | 1 | 166072 |
| 5 | 2" x 1-1/4" PVC Bushing | 1 | 1 | 1 | 1 | 1 | 141216* |
| 6 | 2" PVC 90° Elbow | 1 | 1 | 1 | 1 | 1 | 141214* |
| 7 | 1-1/4" PVC Coupling | 2 | 2 | 2 | 2 | 2 | 147222* |
| | 4 Oz. Can PVC Glue | 1 | 1 | 1 | 1 | 1 | 147199* |
| | Pop Rivet | 6 | 6 | 8 | 8 | 0 | 140068* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/ Patch | 3 | 3 | 4 | 4 | 0 | 812051* |
| | 3/8" Lockwasher | 3 | 3 | 4 | 4 | 0 | 817334* |
| | 3/8" Flatwasher | 0 | 0 | 0 | 0 | 0 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

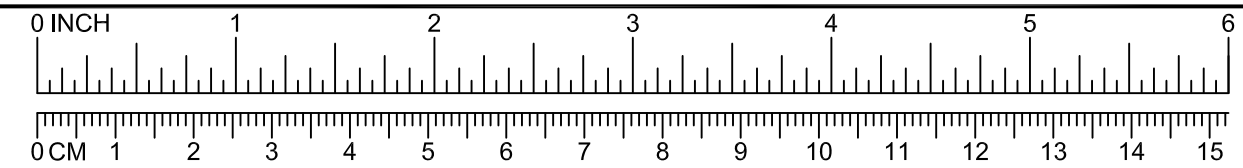
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

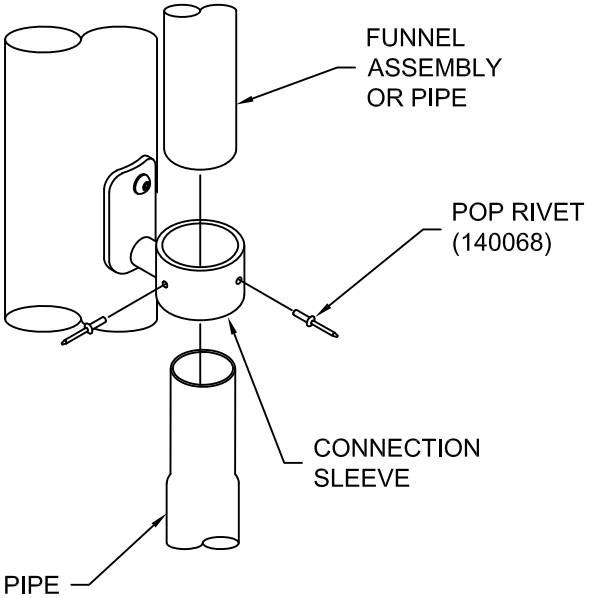
# DETAILS -for-
# 81675, 81676, 81677, 81678 & 81768

***IMPORTANT***

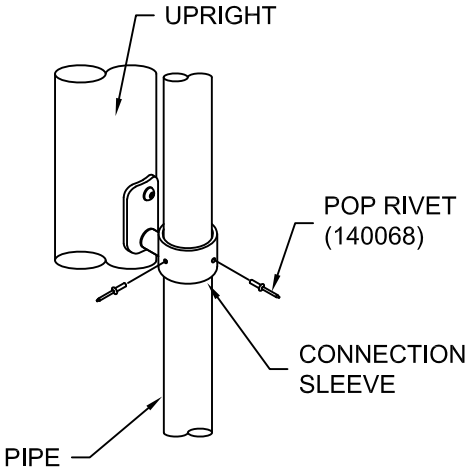
***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***

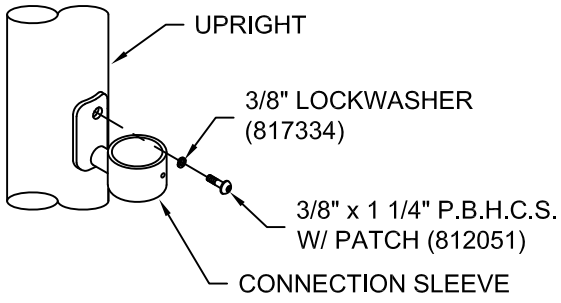



245




435




436

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**ISSUED/REVISED: 11/5/19**

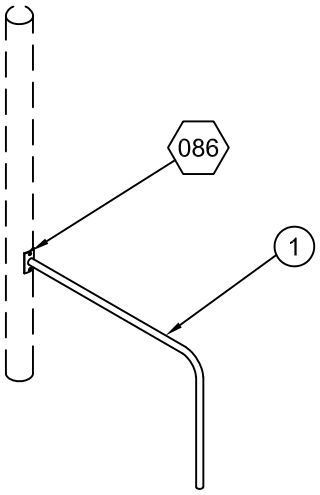
# 81681
# TURNING BAR

⬡ = INSTALLATION DETAIL

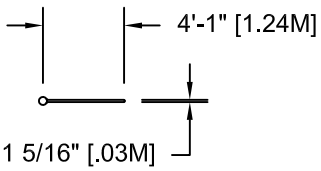
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.




***ASSEMBLY DRAWING***

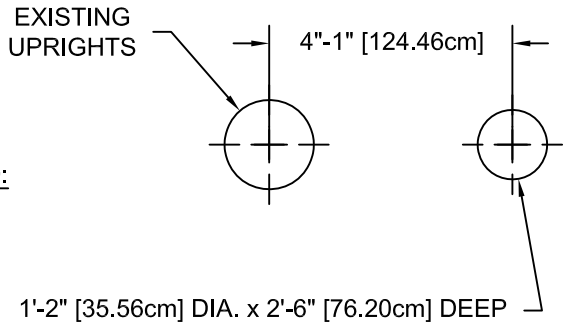



***TOP VIEW***

NOTE:

HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE. FOR IN-GROUND SYSTEMS ONLY.

CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]




***GROUND PLAN***

## PARTS LIST

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---|---|---|---|
| | | | |
| 1 | Turning Bar | 1 | 160399 |
| | *Hardware Complete* | 1 | 160404 |
| | 3/8" x 1" P.B.H.C.S. w/Patch | 2 | 812050* |
| | 3/8" Lockwasher | 2 | 817334* |
| | 3/8" Flatwasher | 2 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

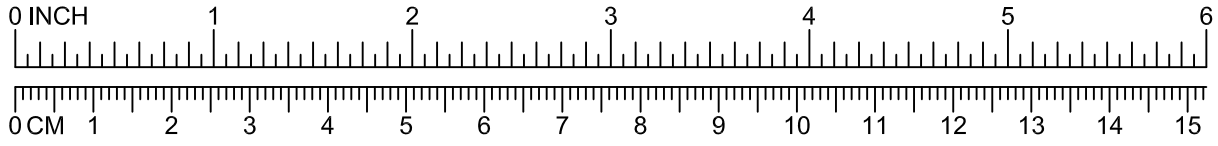
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

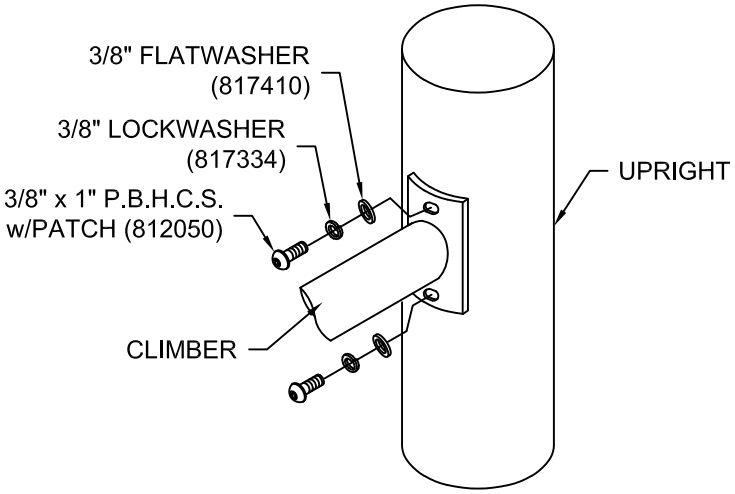
# DETAILS -for-
# 81681

***IMPORTANT***

***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




086

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**ISSUED/REVISED: 9/11/12**

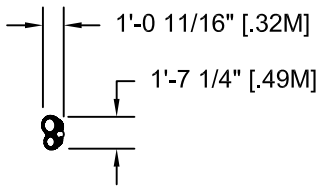
# 81699
# BONGOS

⬡ = INSTALLATION DETAIL

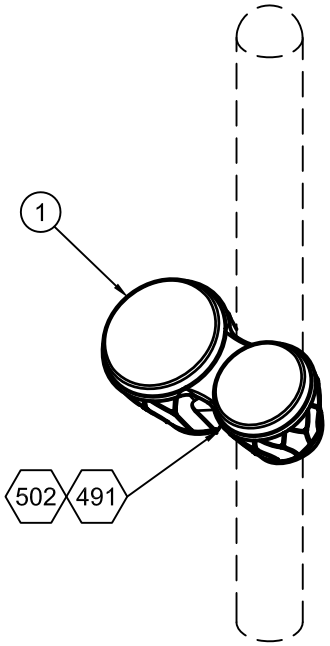
◯ = PARTS LIST REFERENCE

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEW***




***ASSEMBLY DRAWING***

## *PARTS LIST*

| REF NO. | DESCRIPTION | NO. REQ'D | PART NUMBER |
|---|---|---|---|
| 1 | Bongos | 1 | 177954 |
| | *Hardware Complete* | 1 | 178081 |
| | 3/8" x 1" P.B.H.C.S. w/Patch | 4 | 812050* |
| | 3/8" Lockwasher | 4 | 817334* |
| | 3/8" Flatwasher | 4 | 817424* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

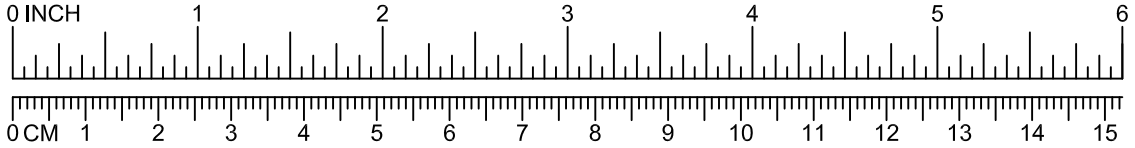
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

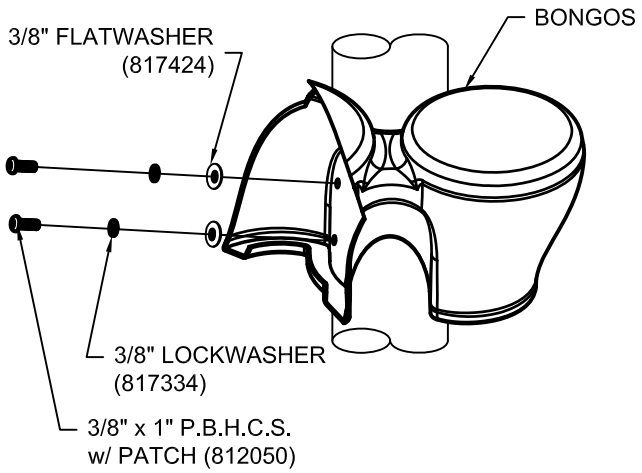
# DETAILS -for-
# 81699

***IMPORTANT***

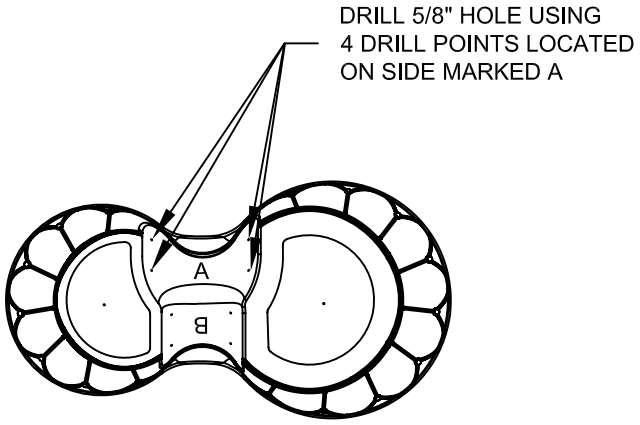
***TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.***

***NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.***




491




502

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ISSUED/REVISED: 8/17/16

# 81766 LEAF SEAT

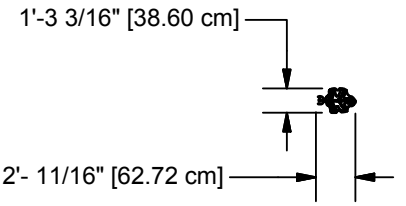
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

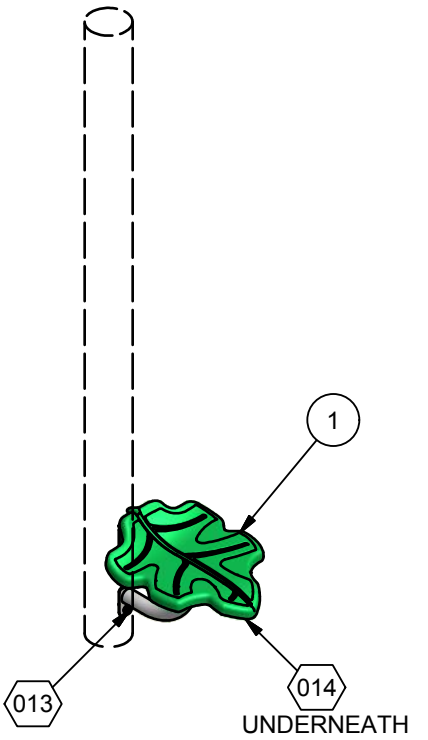
## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEW***




***ASSEMBLY VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | LEAF STEP | 1 | 201413 |
| 2 | LEAF BRACKET | 1 | 201695 |
| | ***HARDWARE COMPLETE*** | 1 | 202350 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051* |
| | 3/8" LOCKWASHER | 6 | 817334* |
| | 3/8" FLAT WASHER | 6 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

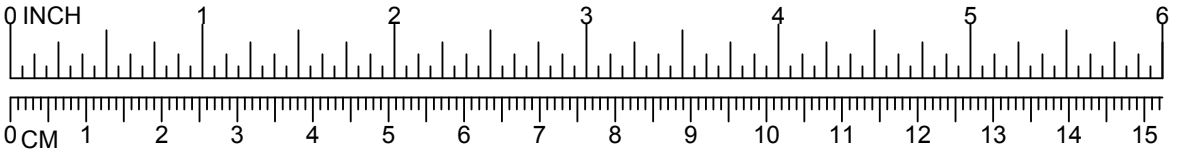
# DETAILS -for-
# 81766

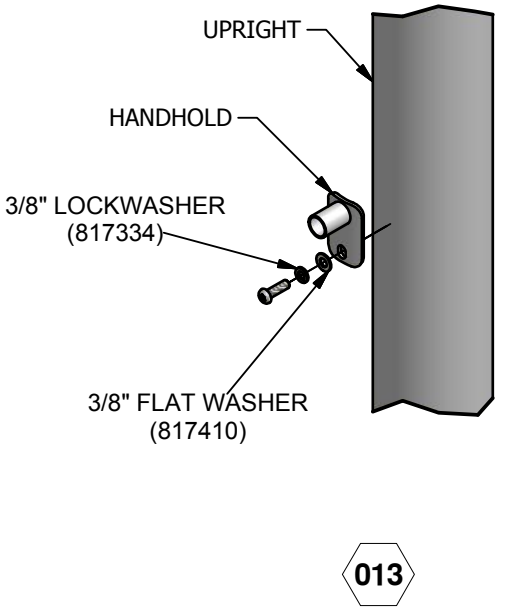
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

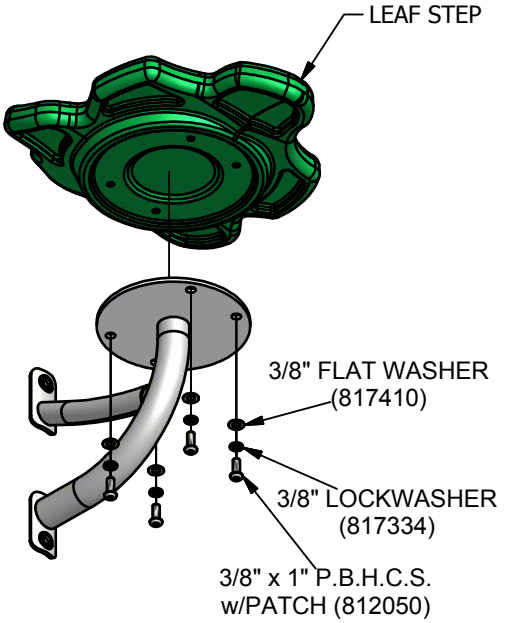
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




013




014

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ISSUED/REVISED: 9/12/23

# 90003 WIDE TRIANGLE DECK

⬡ = INSTALLATION DETAIL

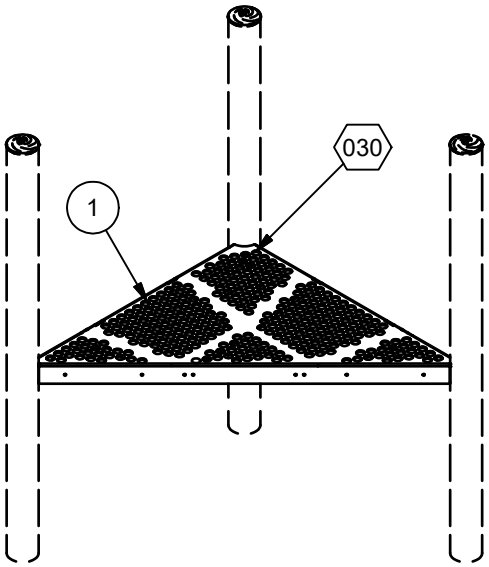
◯ = PARTS LIST REFERENCE




UP TO 5'-0" DECK HEIGHTS



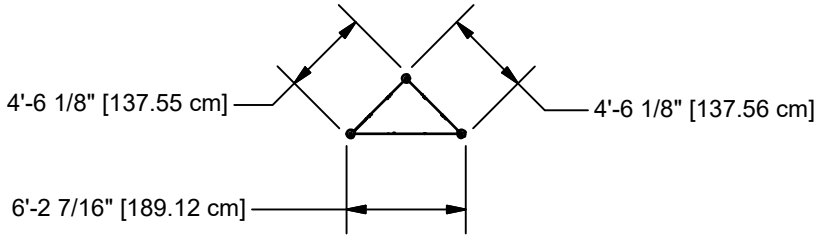

ALL DECK HEIGHTS




***ASSEMBLY DRAWING***

## *INSTALLATION INSTRUCTIONS*

1) Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2) Dig ground holes per Ground Plan. See system top view for quantity.
3) Attach deck to uprights using (1|) detail 030 per upright.
4) Loctite (supplied by others) should be used on all threaded hardware.
5) When decks are at the same height as shown in Assembly Drawing, fasten together using (2) Detail 031.
***NOTE***: Remove vinyl from the two inside holes, with 1/2" bit.



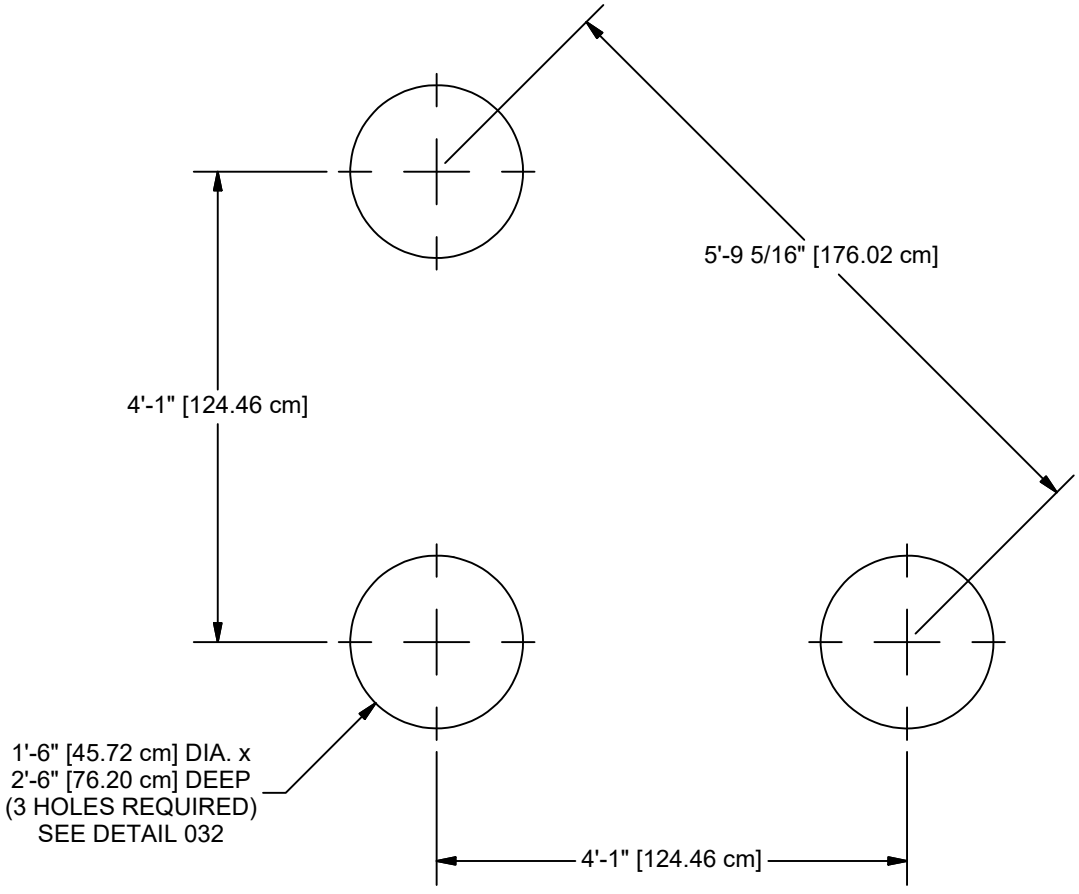

***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | TRIANGLE DECK | 1 | 176223 |
| | HARDWARE COMPLETE | 1 | 161255 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | 3/8" x 1 1/2" P.B.H.C.S. | 6 | 810053* |
| | 3/8" TEE NUT | 2 | 804556* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424* |
| | 3/8" LOCK WASHER | 8 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***




NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 032. All fooring dimensions are based on level finished surface.

**CONCRETE REQUIRED**
.30 Cubic Yards
[.23 Cubic Meters]

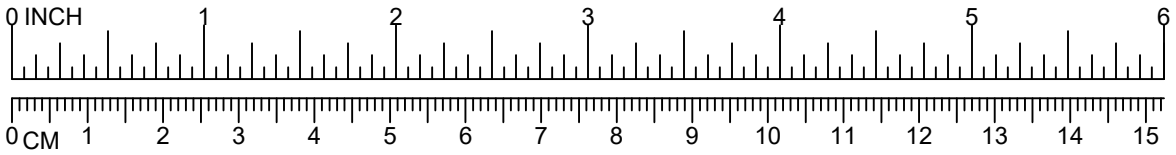
# DETAILS -for-
# 90003

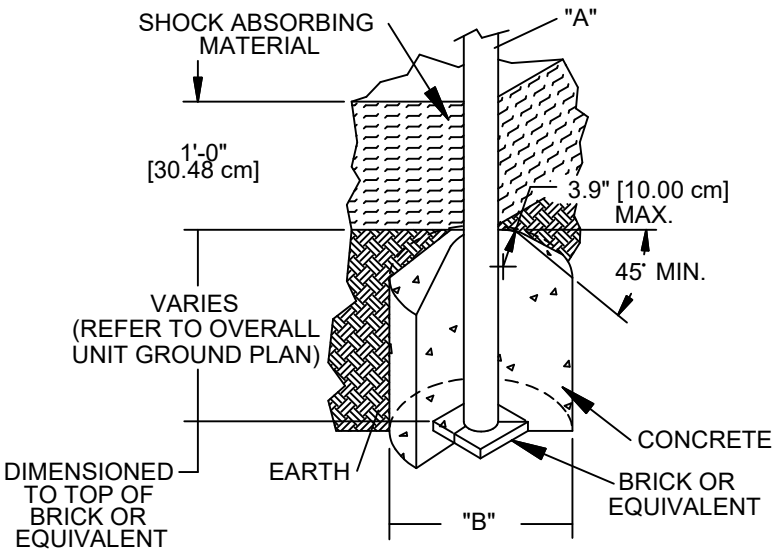
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



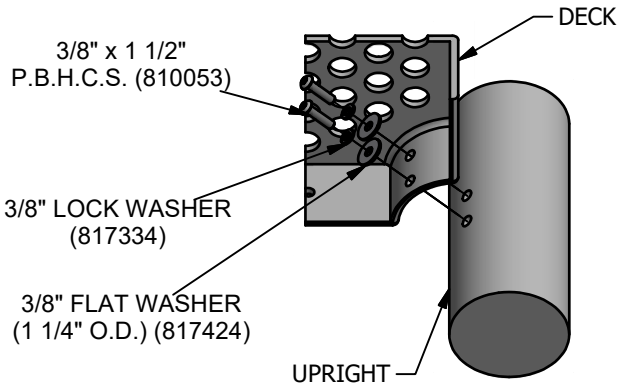



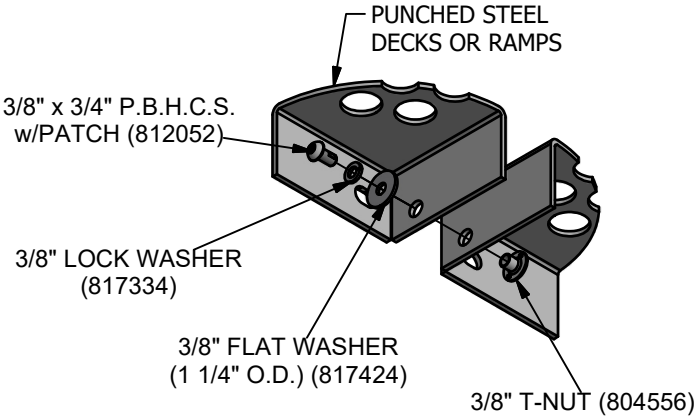

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.




*NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

*NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

031

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ISSUED/REVISED: 11/22/2022

# 90004

# TWO PIECE HEX DECK

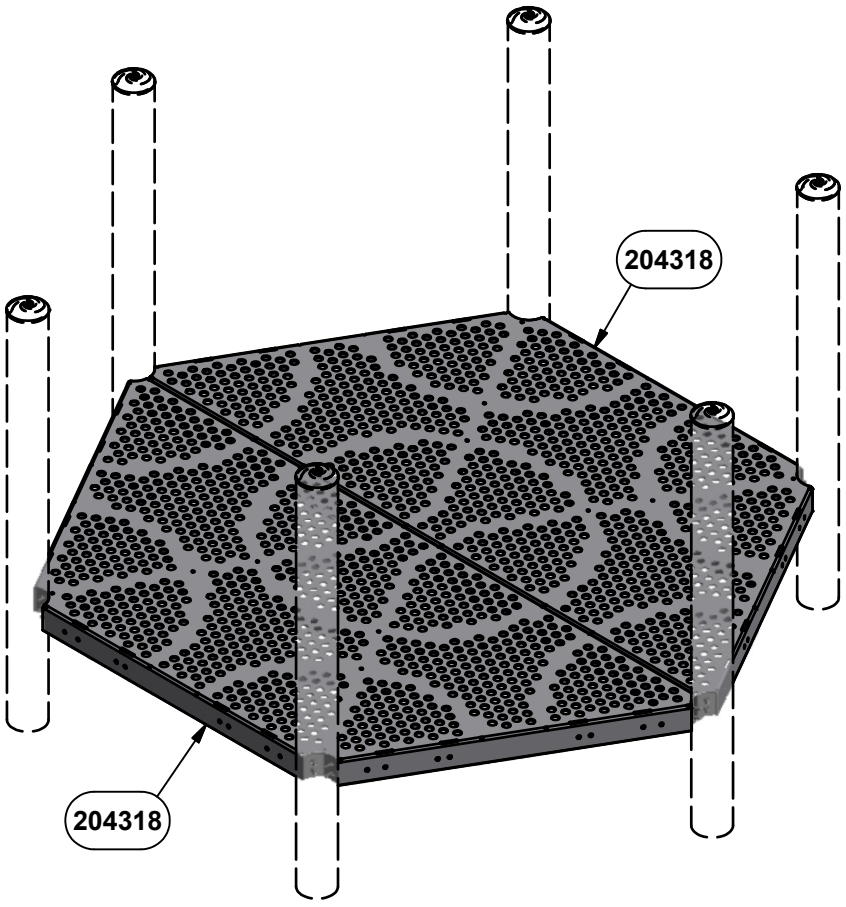
**LARGE HOLES 90004**
**ADA HOLES 90005**




UP TO 5'-0" DECK HEIGHTS



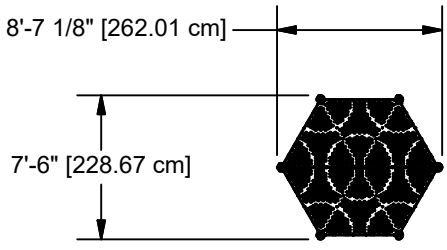

ALL DECK HEIGHTS



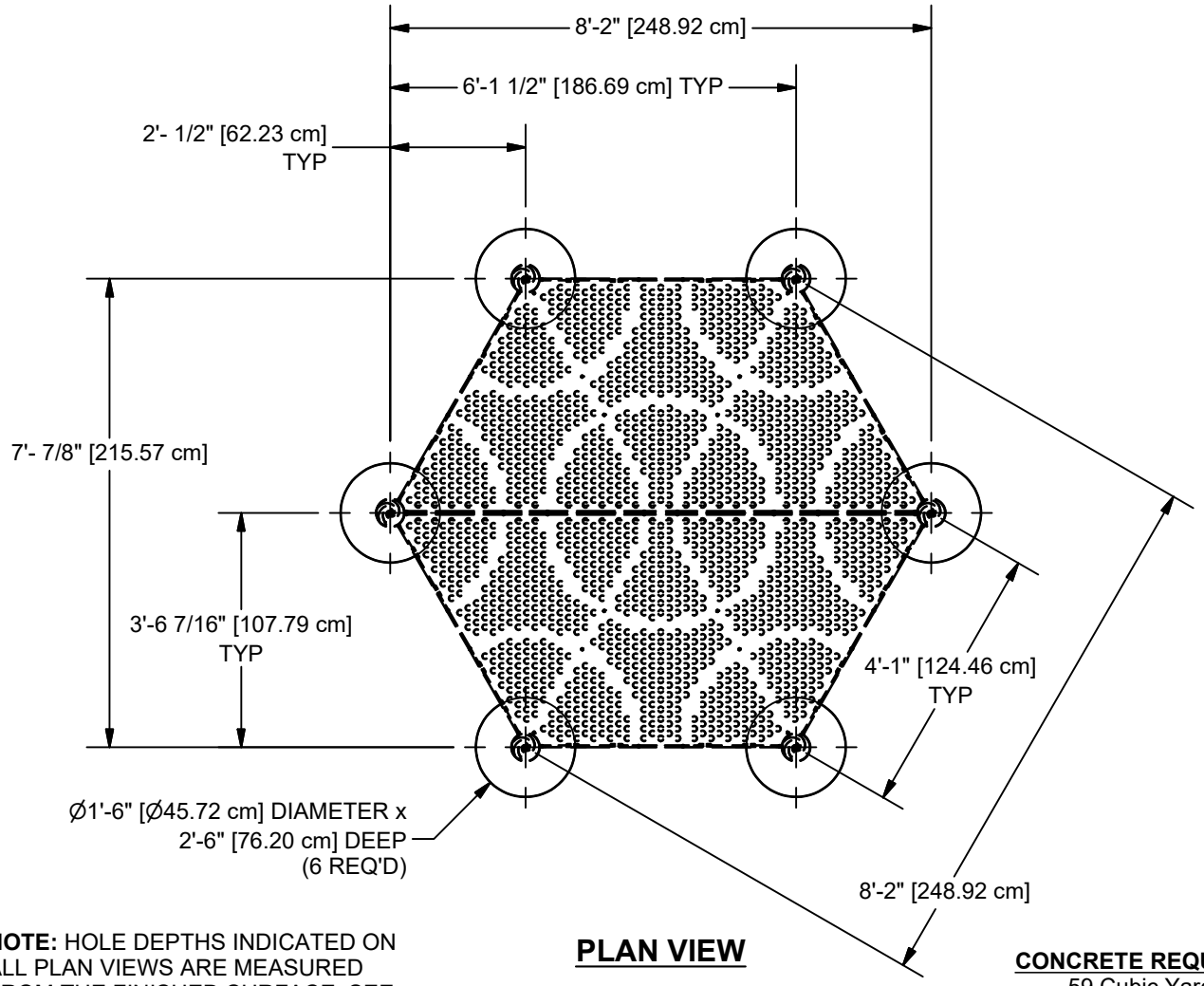

**ASSEMBLY VIEW**
90004 SHOWN
OTHER SIMILAR

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



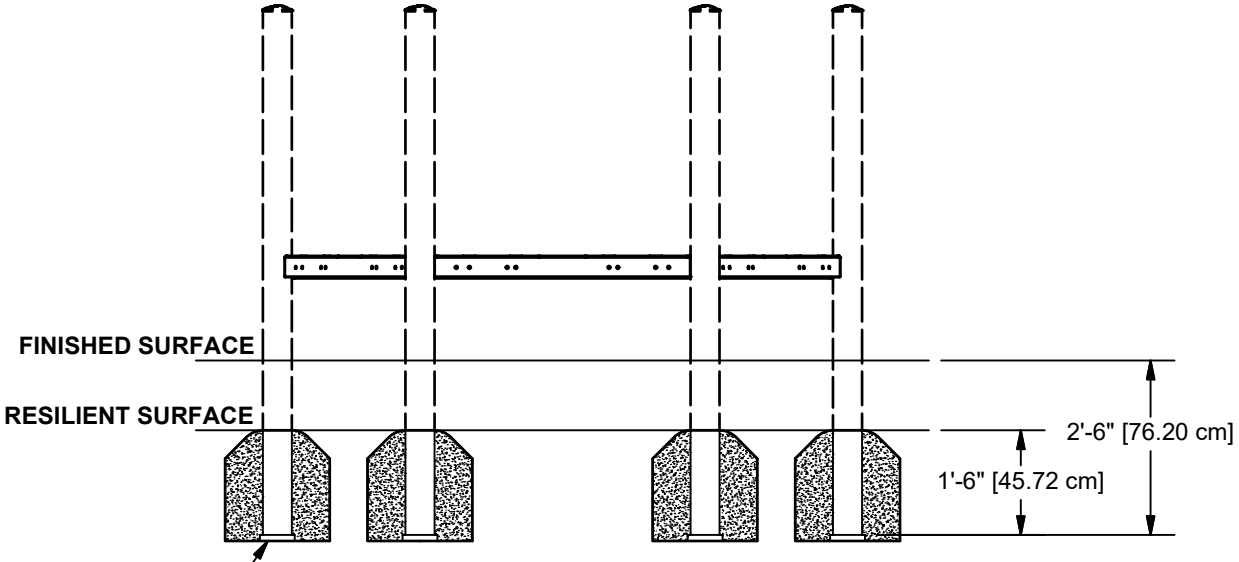

**TOP VIEW**



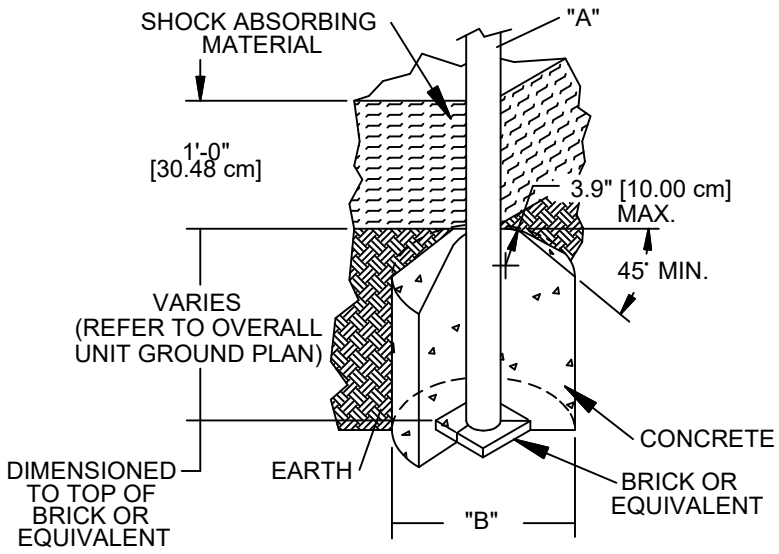

**PLAN VIEW**

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED**
.59 Cubic Yards
[.45 Cubic Meters]




**ELEVATION VIEW**

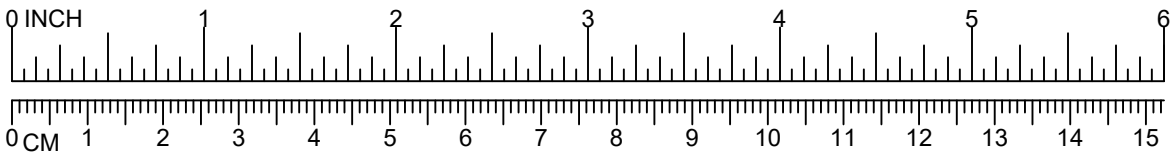


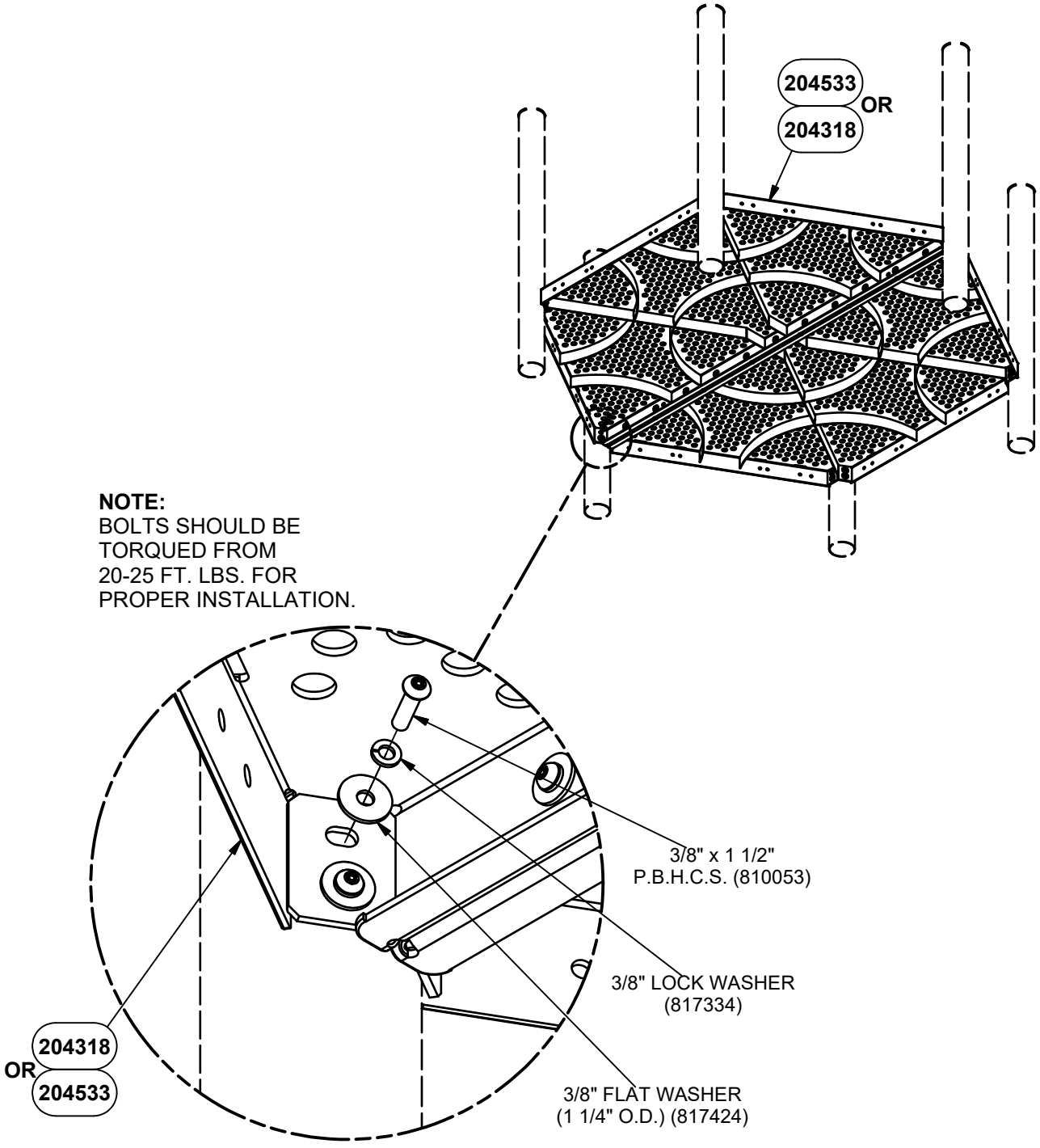

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL



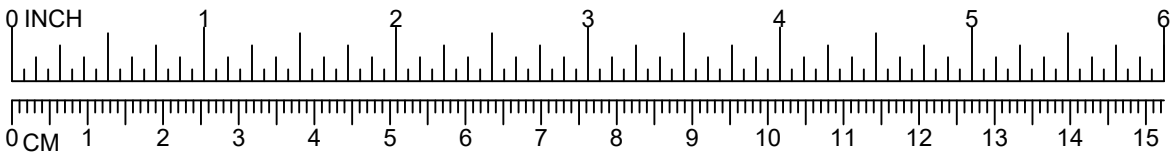



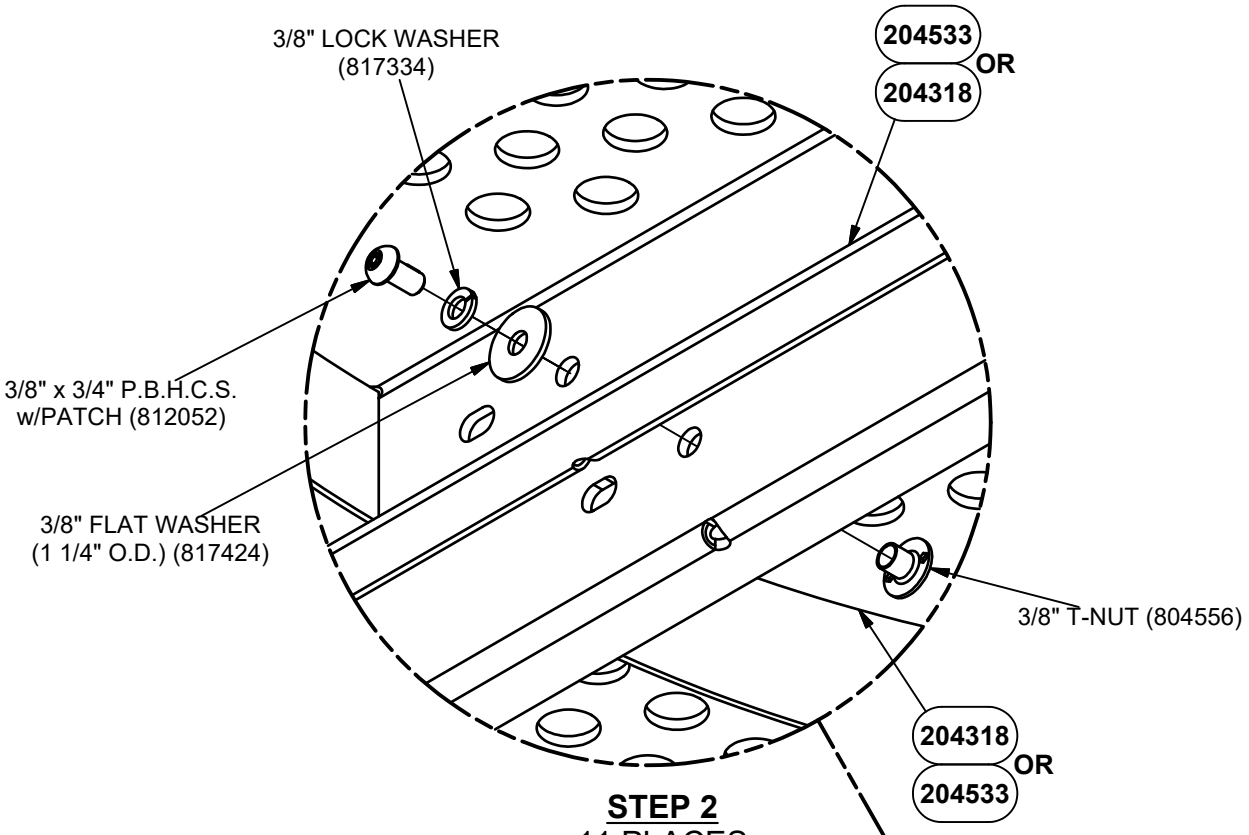

**STEP 1**
24 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

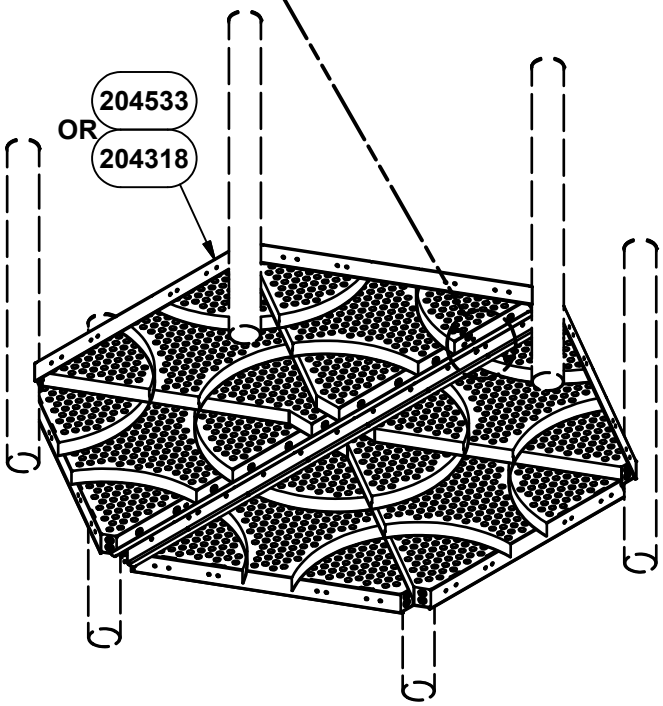


## DETAIL VIEW




**STEP 2**
11 PLACES




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 90004 | 90005 | PART NUMBER |
| TWO PIECE COATED HEX DECK | 2 | 0 | 204318 |
| TWO PIECE COATED ADA HEX DECK | 0 | 2 | 204533 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 204319 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 11 | 11 | 812052* |
| 3/8" x 1 1/2" P.B.H.C.S. | 24 | 24 | 810053* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 35 | 35 | 817424* |
| 3/8" LOCK WASHER | 35 | 35 | 817334* |
| 3/8" T-NUT | 11 | 11 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***
**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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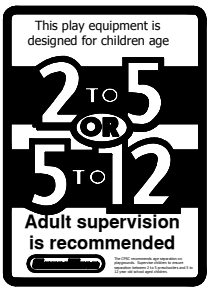
ISSUED/REVISED: 6/17/13

# 90011
# FLOWER
# TALK TUBE

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

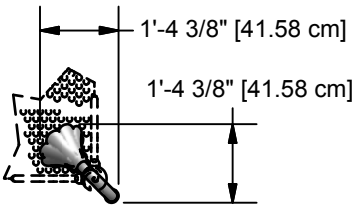
| | |
|---|---|
| 0'-6" TO 2'-0" | 90011 |
| 2'-6" TO 4'-0" | 90012 |
| 4'-6" TO 6'-0" | 90013 |
| 6'-6" TO 8'-0" | 90113 |



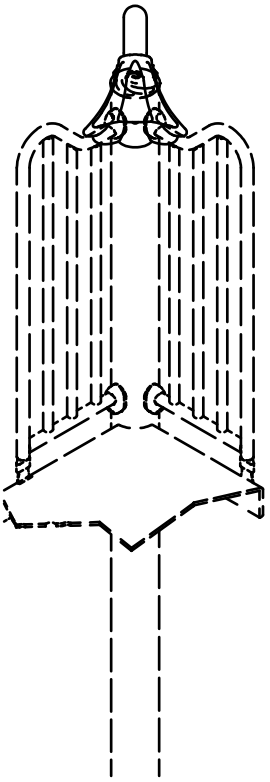

90011
90012
90013




90113




**90011 THRU 90113**
**TOP VIEW**



**90011 THRU 90113**
**SHOWN**

# *INSTALLATION INSTRUCTIONS*

***IN-GROUND ASSEMBLY***

1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

***DECK ASSEMBLY***

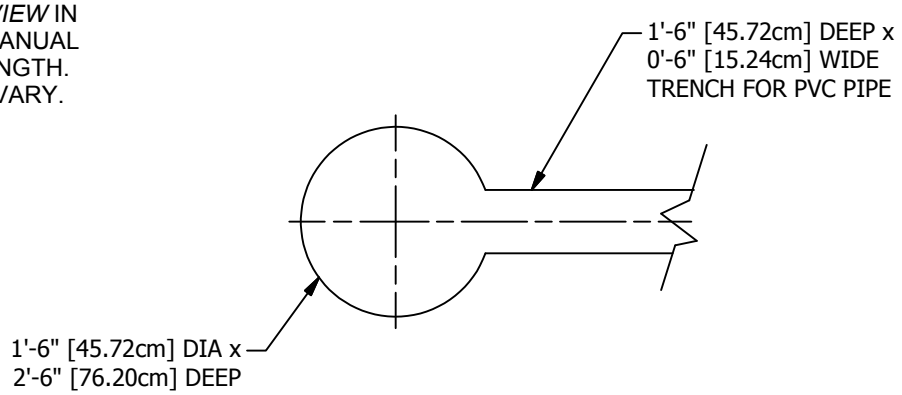
1.Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Dig 6" wide x 6" deep trench between designated locations for talk tubes.
4. Refer to Pipe Length chart on the *Assembly Drawing* to field cut the non-swaged end of talk tube section to its proper length.
5. Attach Connection Sleeves to Upright. Refer to Detail 437.
6. Slide talk tube section thru Connection Sleeves and attach the talk tube section and 10'-0" lengths of PVC pipe to the 90° PVC elbow using the Fitting Detail.
7. Slide the Funnel Assembly thru connection sleeve. Fit Funnel Assembly over swaged top on Talk Tube Section. Refer to detail 231. ***Note: See Top View for orientation. Funnel Assembly should be positioned directly over top of upright as shown in Assembly Drawing and Top View.***

8. Refer to the Assembly Drawing dimensions of Funnel Assembly in relation to the upright. Attach Funnel Assembly and Talk Tube Section to Connection Sleeves using pop rivets. Refer to detail 232.

9. For Ground level installation attach Funnel Assembly to upright using detail 034. Refer to Assembly Drawing for proper placement.

***Attention*:** Because sound travels best in a straight line, the pipe and couplings furnished with this product accommodate
in-line installation. If your installation requires turns in the pipe,
you may purchase the appropriate 1-1/4" PVC couplings at a
local hardware or plumbing supply store.

NOTE: NO CONCRETE IS REQUIRED FOR TRENCH, REFER TO *TOP VIEW* IN INSTALLATION MANUAL FOR TRENCH LENGTH. DISTANCE WILL VARY.

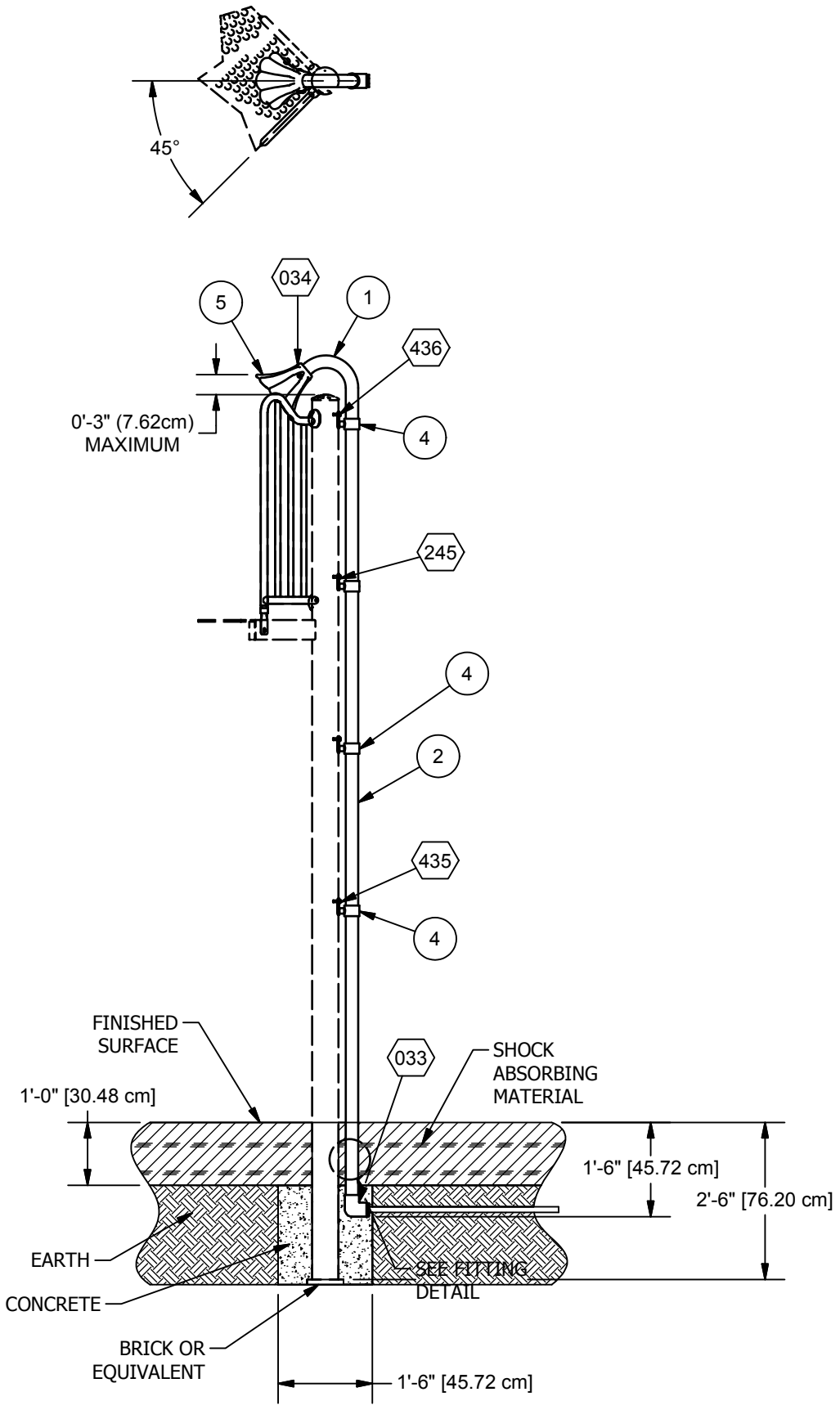



## GROUND PLAN

CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]

NOTE: SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE *ASSEMBLY DRAWINGS*. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**ASSEMBLY DRAWING**
**90113 SHOWN**
**(2 TO 12 YEAR AGE)**

TALK TUBE SECTION LENGTHS

* MEASURED FROM SWAGED END
TO OPPOSITE END OF PIPE.

| PRODUCT NO. | DECK HEIGHT | LENGTH OF TALK TUBE SECTION (NON-SWAGED END) TO BE REMOVED IN FIELD | FINAL TALK TUBE SECTION LENGTHS |
|---|---|---|---|
| 90011 | 0'-6" | 12" LG. | 36 1/2" LG. |
| | 1'-0" | 12" LG. | 36 1/2" LG. |
| | 1'-6" | NO CUTTING REQUIRED | 48 1/2" LG. |
| | 2'-0" | NO CUTTING REQUIRED | 48 1/2" LG. |
| 90012 | 2'-6" | 12" LG. | 60 1/2" LG. |
| | 3'-0" | 12" LG. | 60 1/2" LG. |
| | 3'-6" | NO CUTTING REQUIRED | 72 1/2" LG. |
| | 4'-0" | NO CUTTING REQUIRED | 72 1/2" LG. |
| 90013 | 4'-6" | 12" LG. | 84 1/2" LG. |
| | 5'-0" | 12" LG. | 84 1/2" LG. |
| | 5'-6" | NO CUTTING REQUIRED | 96 1/2" LG. |
| | 6'-0" | NO CUTTING REQUIRED | 96 1/2" LG. |
| 90113 | 6'-6" | 12" LG. | 108 1/2" LG. |
| | 7'-0" | 12" LG. | 108 1/2" LG. |
| | 7'-6" | NO CUTTING REQUIRED | 120 1/2" LG. |
| | 8'-0" | NO CUTTING REQUIRED | 120 1/2" LG. |

## PARTS LIST

| ITEM | DESCRIPTION | 90011 | 90012 | 90013 | 90113 | PART # |
|---|---|---|---|---|---|---|
| 1 | FUNNEL WELD ASSEMBLY | 1 | 1 | 1 | 1 | 203221 |
| 2 | PIPE, 48-1/2" LG. (FOR 0'-6" TO 2'-0" DECK) | 1 | 0 | 0 | 0 | 159378 |
| 2 | PIPE, 72-1/2" LG. (FOR 2'-6" TO 4'-0" DECK) | 0 | 1 | 0 | 0 | 165585 |
| 2 | PIPE, 96-1/2" LG. (FOR 4'-6" TO 6'-0" DECK) | 0 | 0 | 1 | 0 | 159412 |
| 2 | PIPE, 120-1/2" LG. (FOR 6'-6" TO 8'-0" DECK) | 0 | 0 | 0 | 1 | 165587 |
| 3 | 1-1/4" PVC PIPE (10' LG.) | 2 | 2 | 2 | 2 | 147221 |
| 4 | CONNECTION SLEEVE ASSEMBLY | 3 | 3 | 4 | 4 | 176453 |
| 5 | FLOWER | 1 | 1 | 1 | 1 | 201412 |
| | HARDWARE COMPLETE | 1 | 1 | 0 | 0 | 206474 |
| | HARDWARE COMPLETE | 0 | 0 | 1 | 1 | 206475 |
| 6 | 2" x 1-1/4" PVC BUSHING | 1 | 1 | 1 | 1 | 141216* |
| 7 | 2" PVC 90 ELBOW | 1 | 1 | 1 | 1 | 141214* |
| 8 | 1-1/4" PVC COUPLING | 2 | 2 | 2 | 2 | 147222* |
| | 4 OZ. CAN PVC GLUE | 1 | 1 | 1 | 1 | 147199* |
| | POP RIVET | 6 | 6 | 8 | 8 | 140068* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 3 | 3 | 4 | 4 | 812051* |
| | 3/8" x 3 3/4" P.B.H.C.S. w/PATCH | 1 | 1 | 1 | 1 | 812076* |
| | 3/8" LOCKWASHER | 3 | 3 | 4 | 4 | 817334* |
| | 3/8" FLATWASHER | 1 | 1 | 1 | 1 | 817410* |
| | 3/8" BARREL NUT | 1 | 1 | 1 | 1 | 804804* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

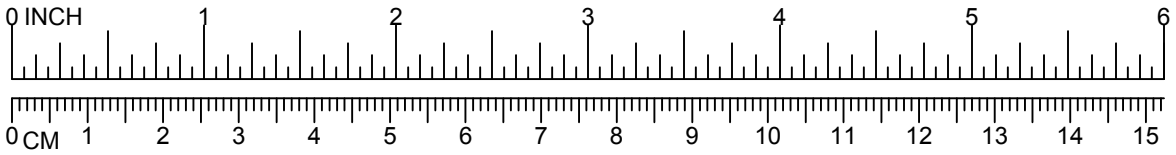
# DETAILS -for-
# 90011, 90012, 90013 & 90113

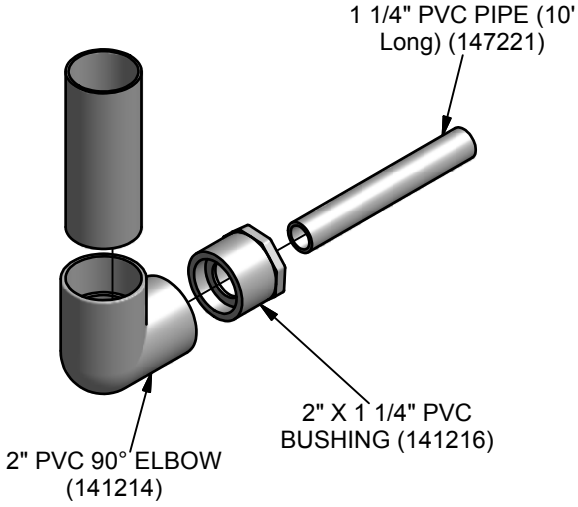
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

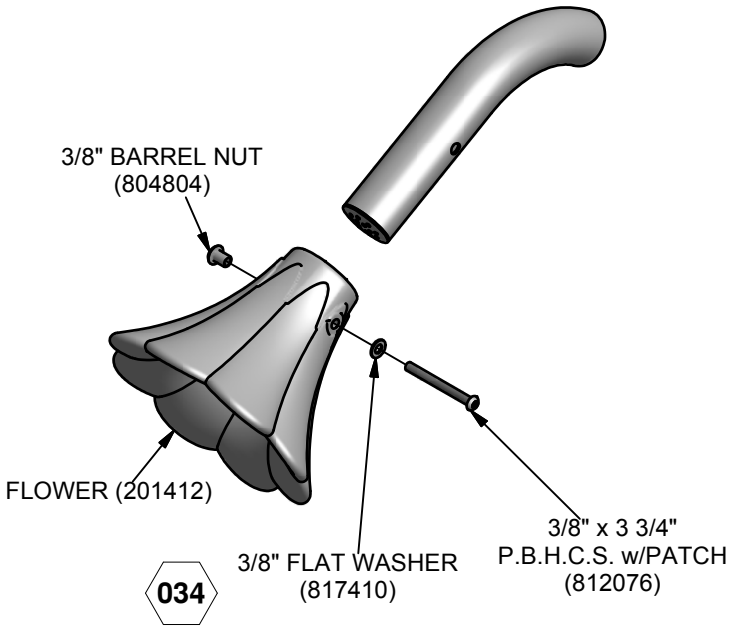
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

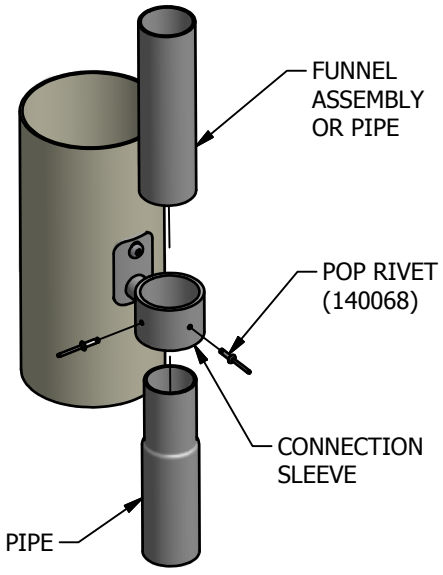


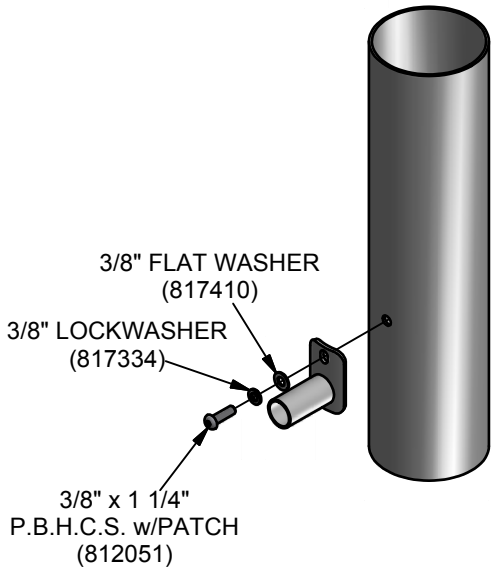

033




034




245




430

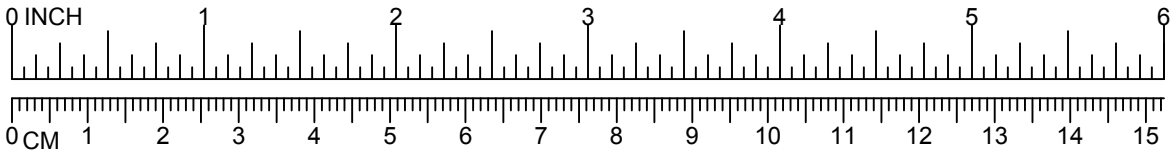
# DETAILS -for-
# 90011, 90012, 90013 & 90113

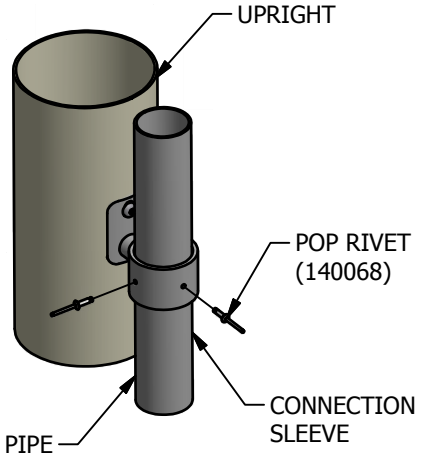
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

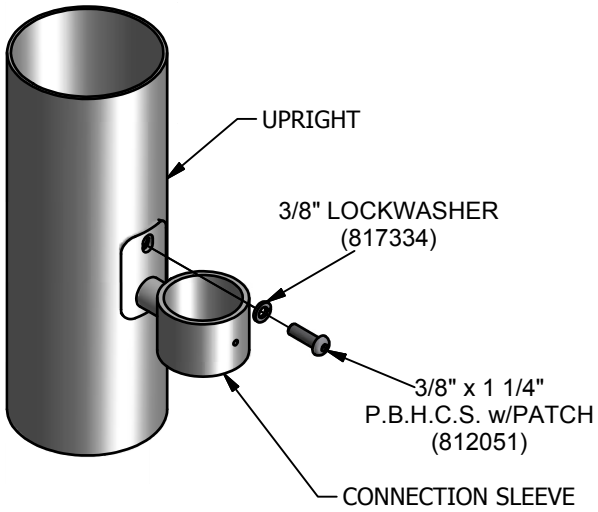
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




435




436

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ISSUED/REVISED: 08/22/13

# 90014 WIDE DECK ARCHWAY

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

**GUARDRAIL 90014**
**BARRIER 90015**



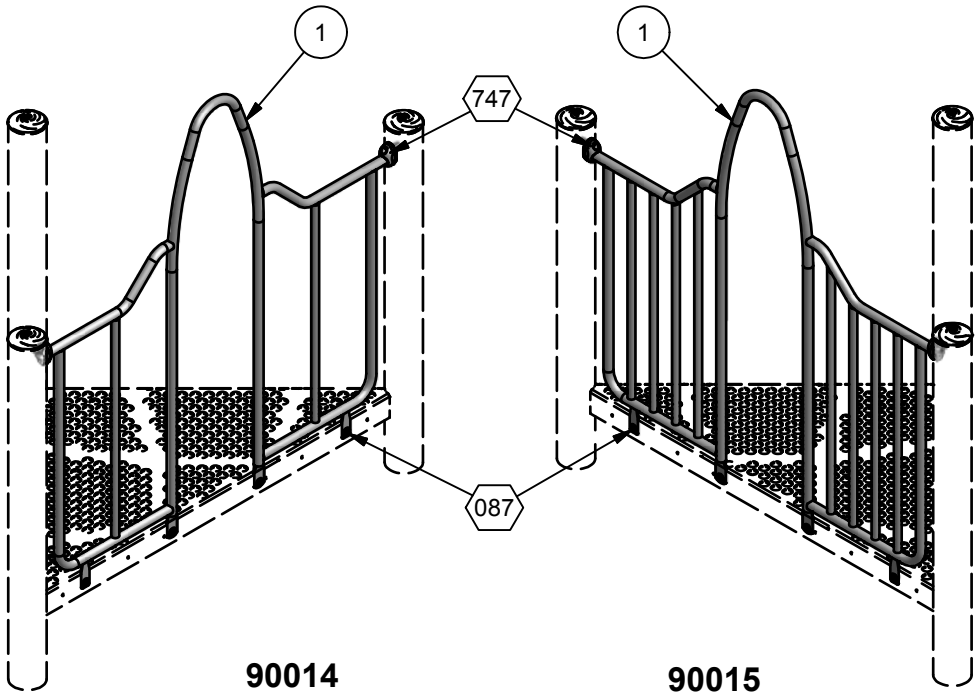

90014 UP TO 2'-6"




90015

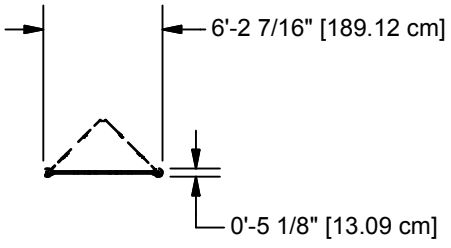



90014 UP TO 4'-0"

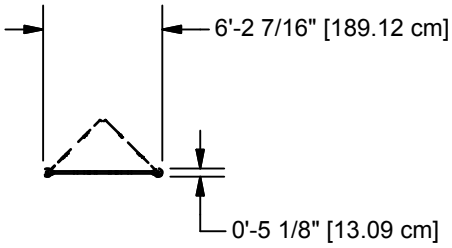



**90014** **90015**

## *ASSEMBLY DRAWINGS*




**90014**




**90015**

## *TOP VIEWS*

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

| Parts List | | | | |
|---|---|---|---|---|
| REF. | DESCRIPTION | 90014 | 90015 | PART NUMBER |
| 1 | WIDE GUARDRAIL ARCHWAY WELD ASS'Y | 1 | 0 | 206008 |
| 1 | WIDE ARCHWAY w/ INFILL WELD ASS'Y | 0 | 1 | 206428 |
| | TRU-LOC | 2 | 2 | Z03650 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 204505 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 4 | 812052* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 812055* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 817424* |
| | 3/8" LOCKWASHER | 6 | 6 | 817334* |
| | 3/8" T-NUT | 4 | 4 | 804556* |
| | ALUM. PIN | 2 | 2 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

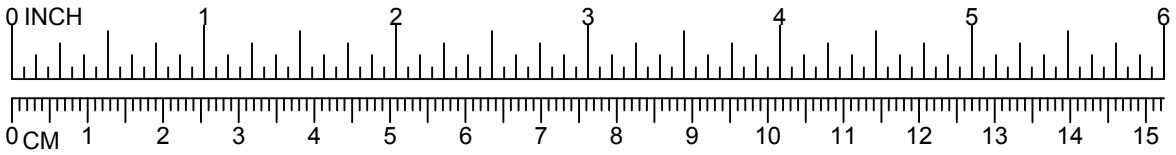
# DETAILS -for-
# 90014 & 90015

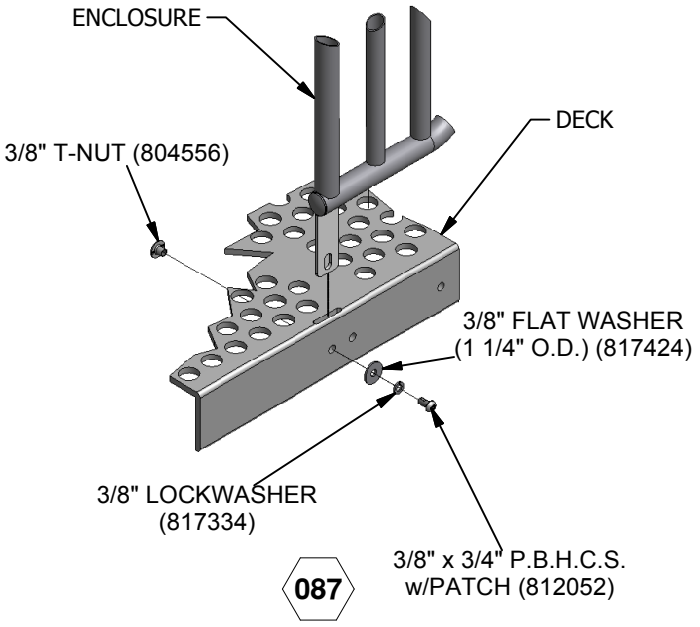
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

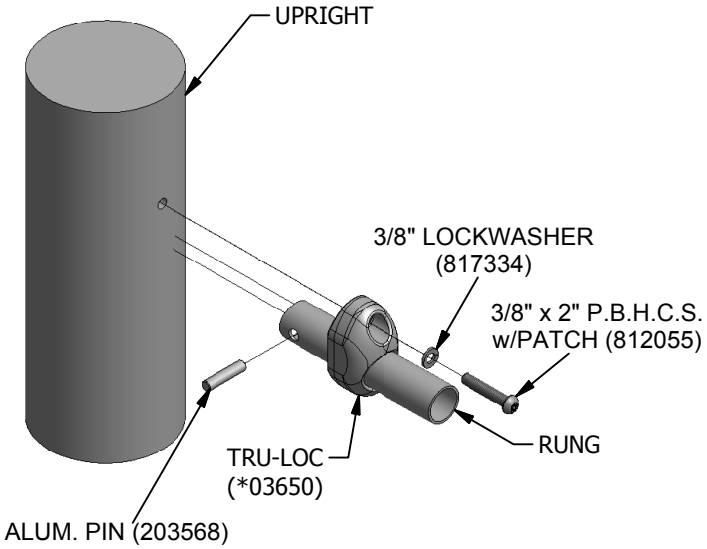



***NOTE:**
BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLTION.

( * = A OR Z )

747



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GameTime

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1-800-235-2440

ISSUED/REVISED: 11/18/2020

# 90103 SCHOONER CLIMBER

| | |
|---|---|
| 2'-0" | 90103 |
| 2'-6" & 3'-0" | 90104 |
| 3'-6" & 4'-0" | 90105 |
| 4'-6" & 5'-0" | 90106 |
| 5'-6" & 6'-0" | 90107 |
| 6'-6" & 7'-0" | 90108 |
| 7'-6" & 8'-0" | 90109 |



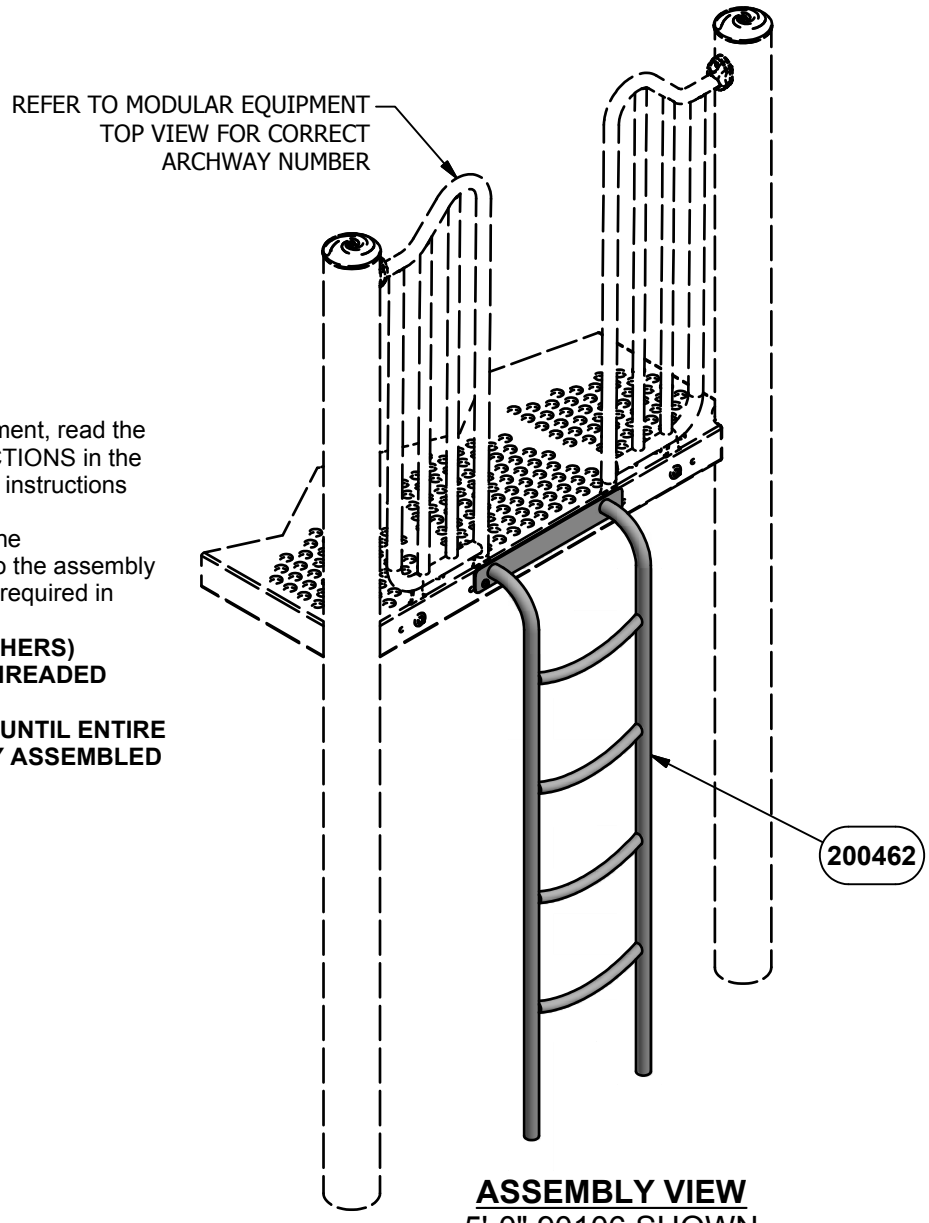

90103
90104
90105
90106



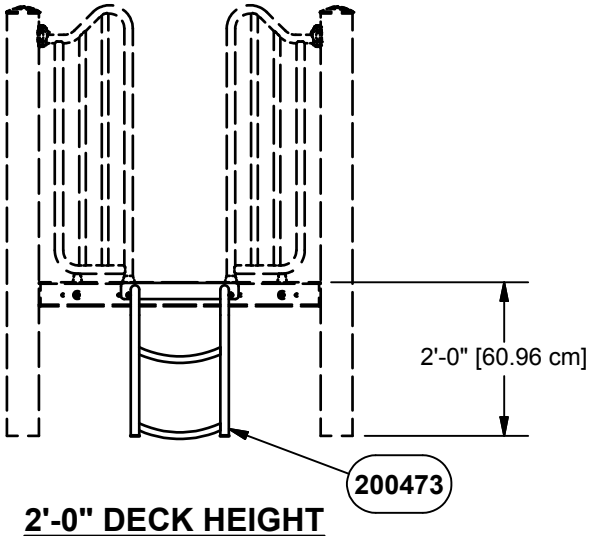

90107
90108
90109

## INSTALLATION INSTRUCTIONS

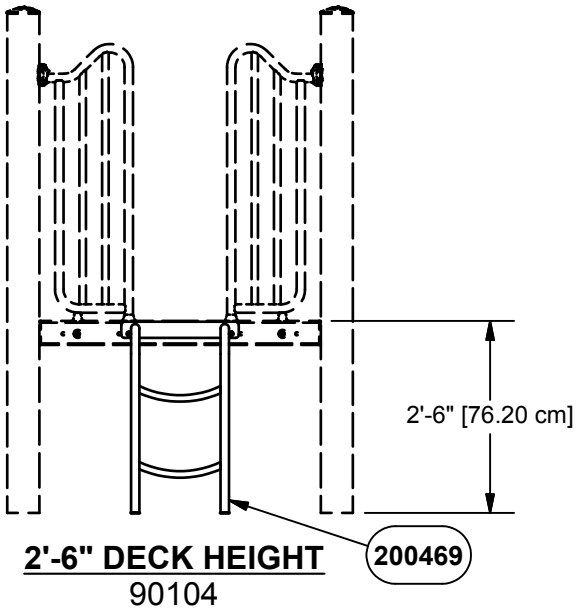
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



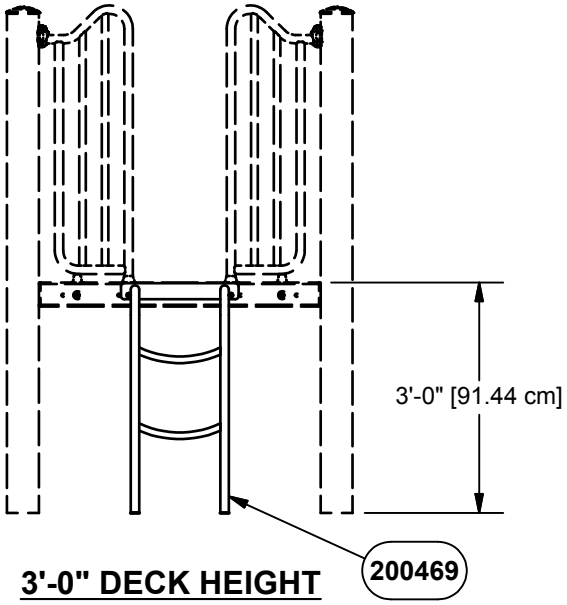

**ASSEMBLY VIEW**
5'-0" 90106 SHOWN



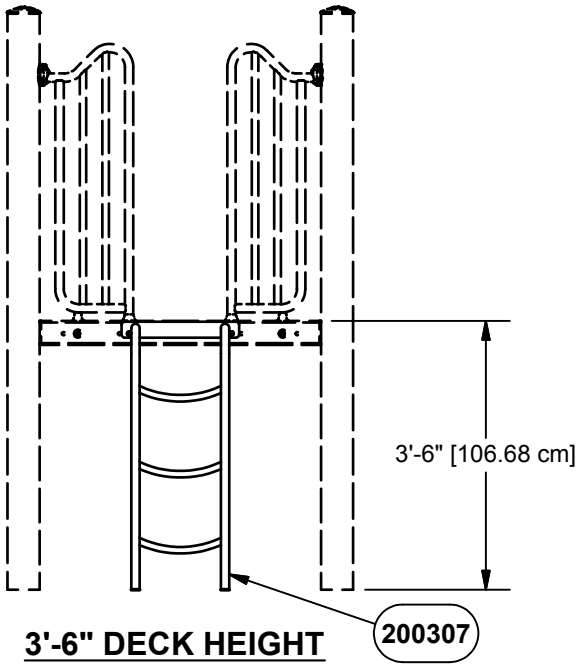

**2'-0" DECK HEIGHT**
90103




**2'-6" DECK HEIGHT**
90104

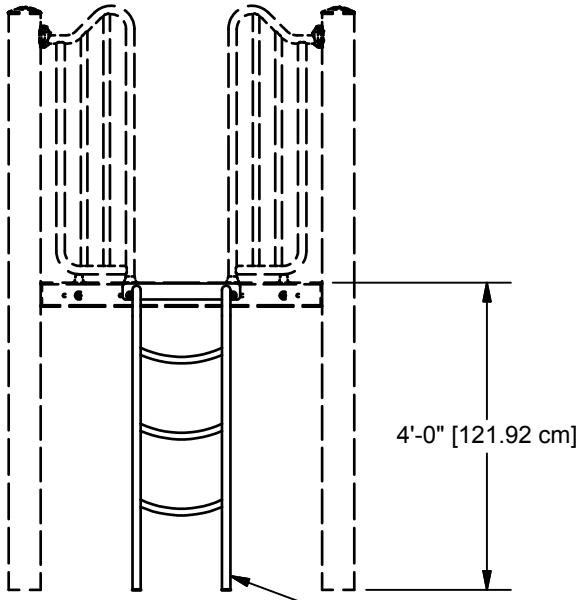



**3'-0" DECK HEIGHT**
90104

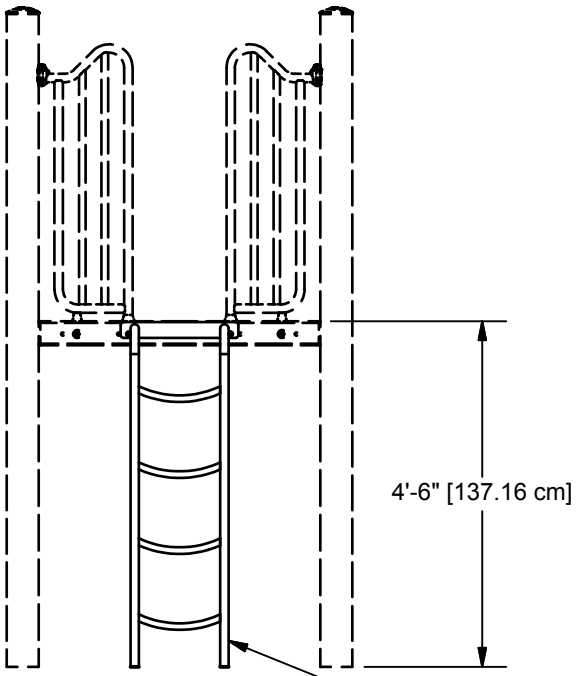



**3'-6" DECK HEIGHT**
90105

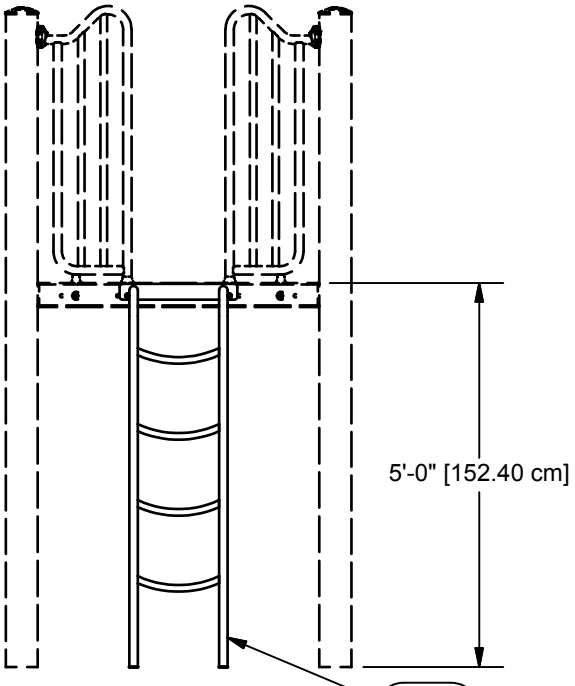
## DECK HEIGHT ELEVATION



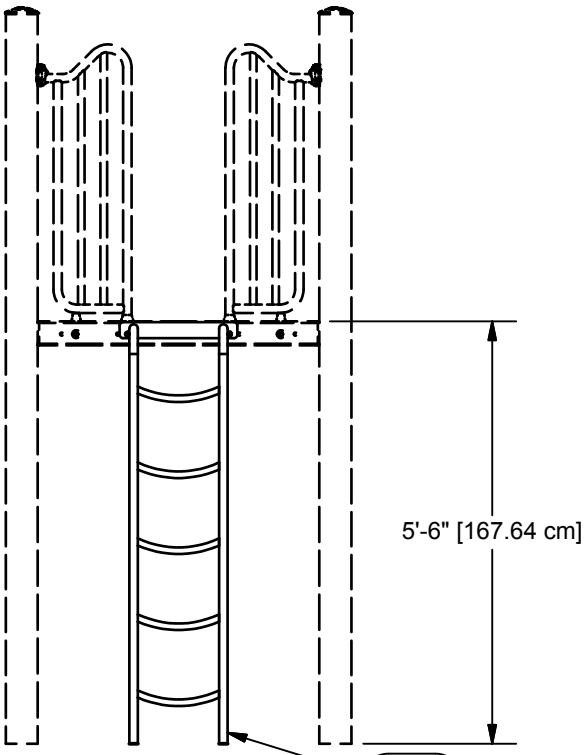

**4'-0" DECK HEIGHT**
90105




**4'-6" DECK HEIGHT**
90106

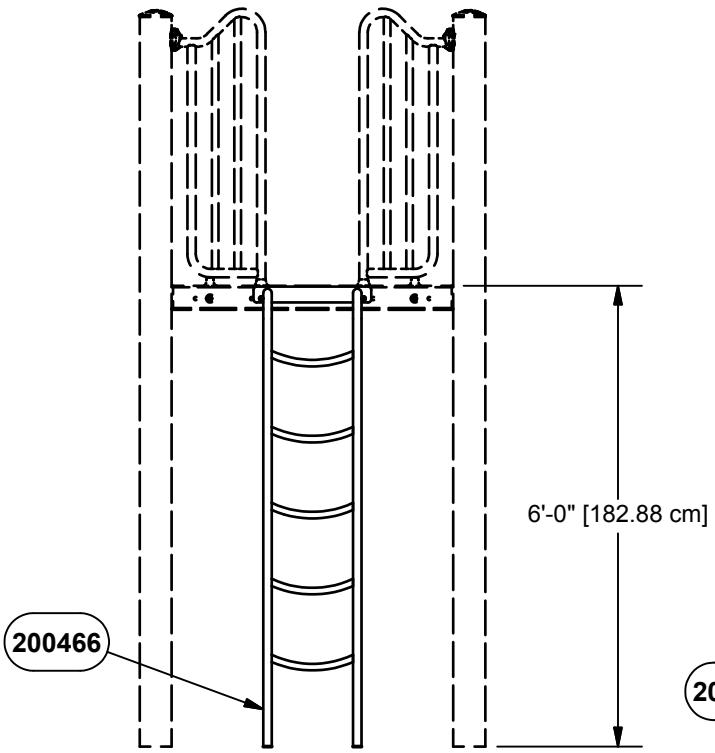



**5'-0" DECK HEIGHT**
90106

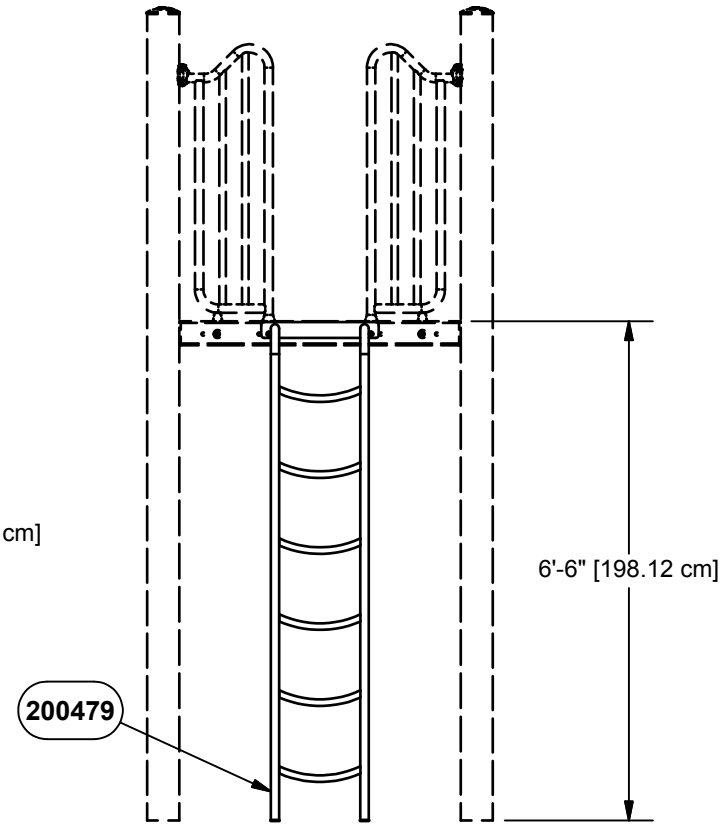



**5'-6" DECK HEIGHT**
90107

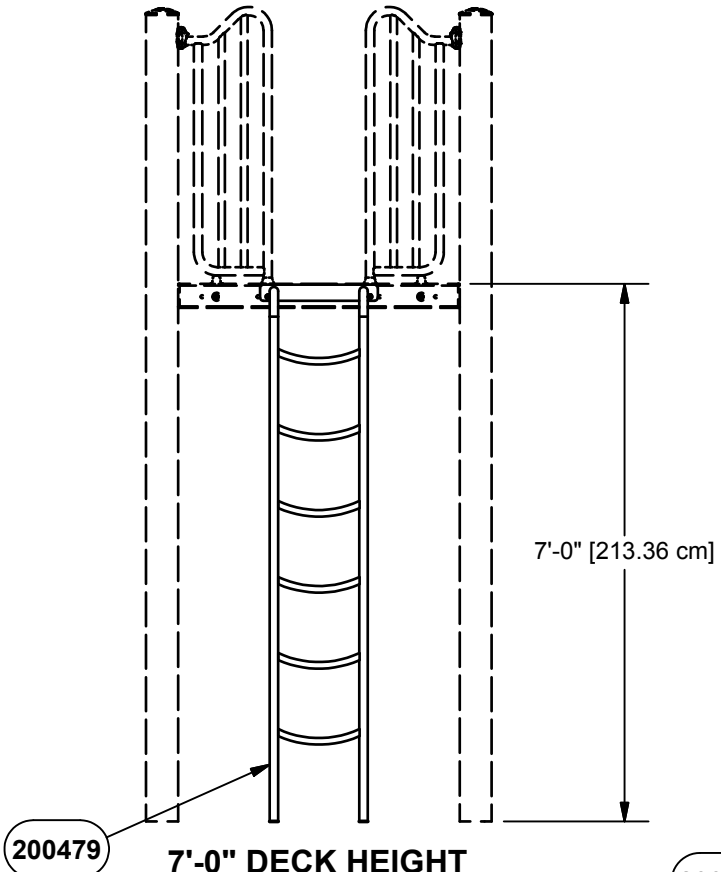
## DECK HEIGHT ELEVATIONS



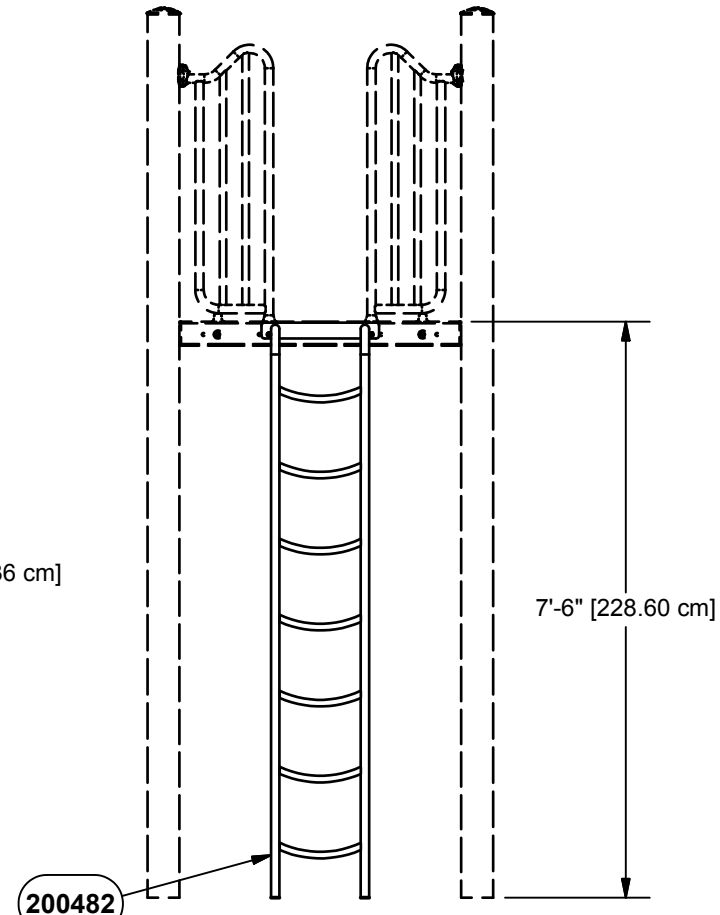

**6'-0" DECK HEIGHT**
90107




**6'-6" DECK HEIGHT**
90108

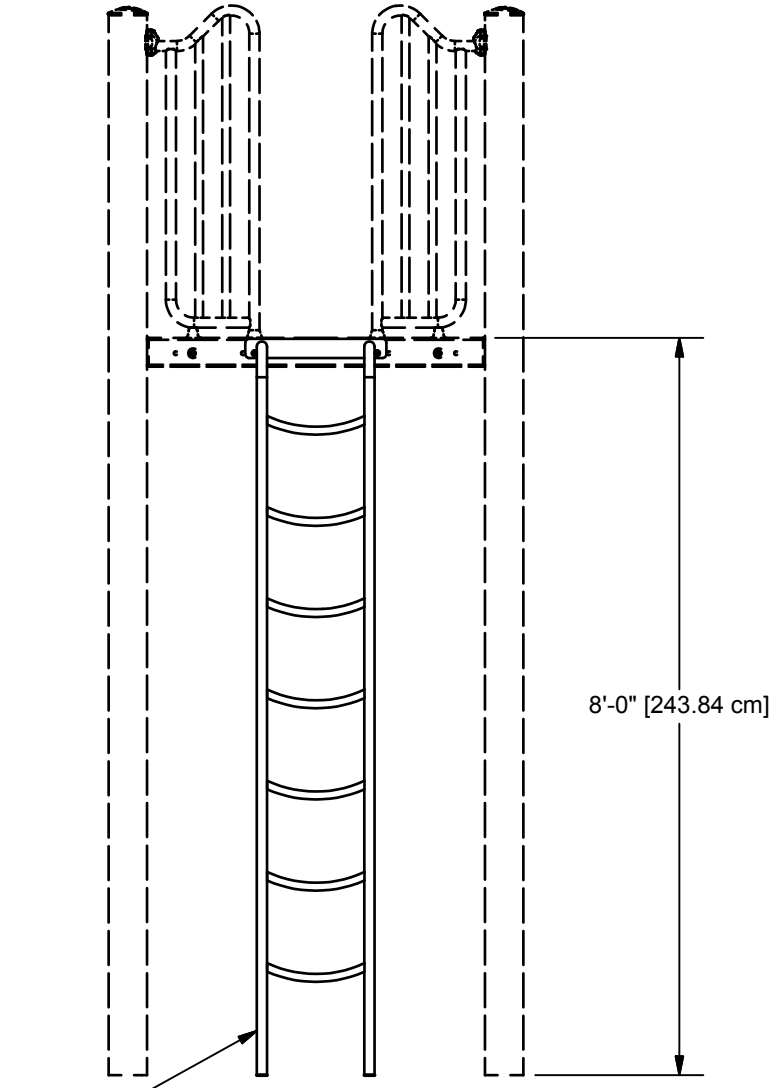



**7'-0" DECK HEIGHT**
90108



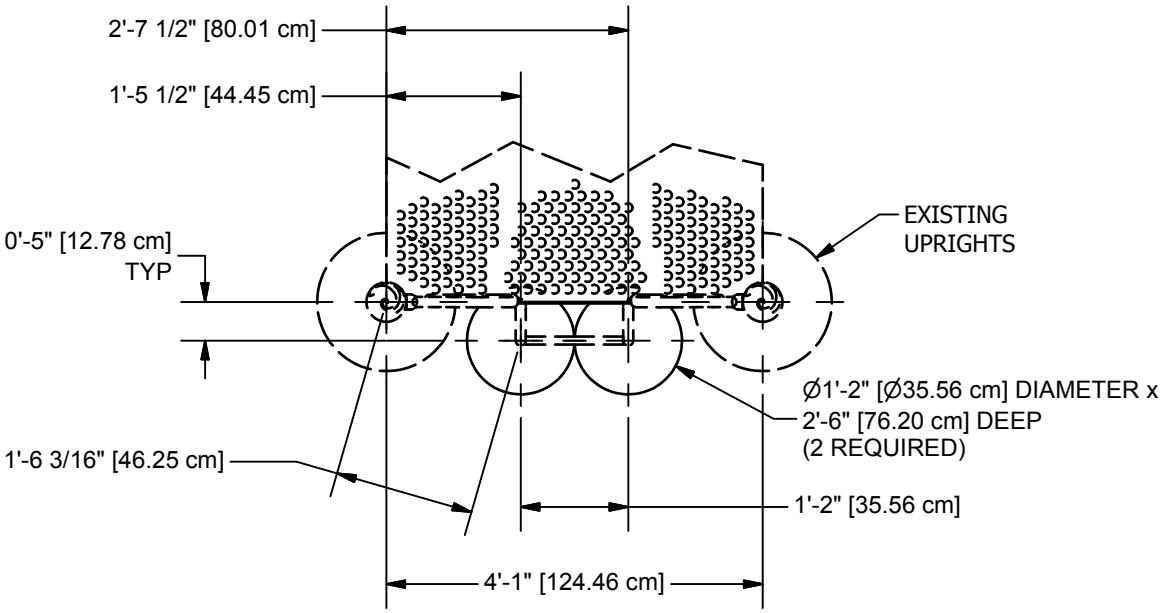

**7'-6" DECK HEIGHT**
90109

## DECK HEIGHT ELEVATIONS




**8'-0" DECK HEIGHT**
90109

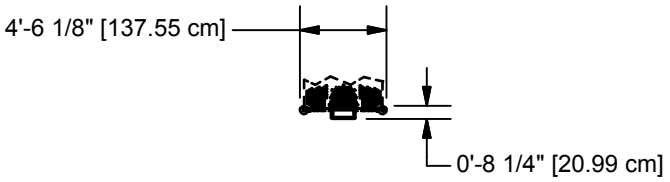
**DECK HEIGHT**
**ELEVATIONS**



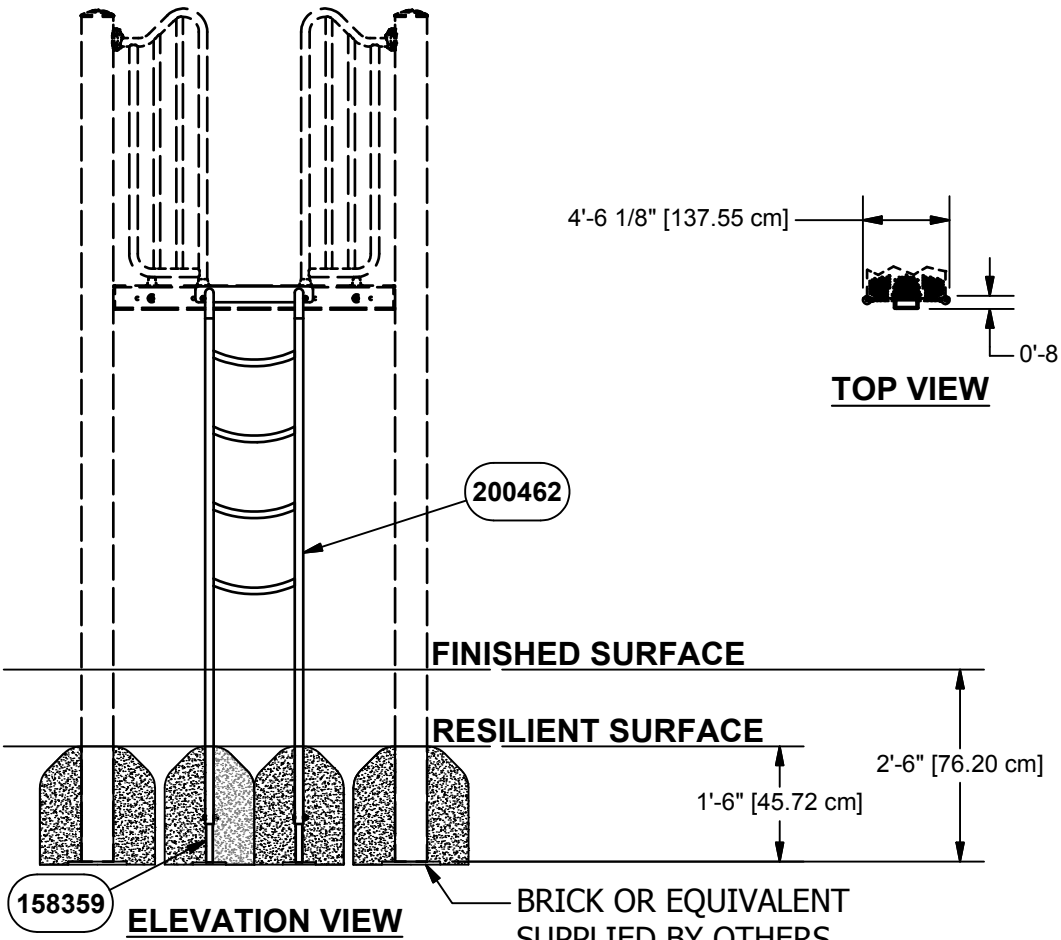

**PLAN VIEW**

CONCRETE REQUIRED:
.12 CUBIC YARDS
[.09 CUBIC METERS]

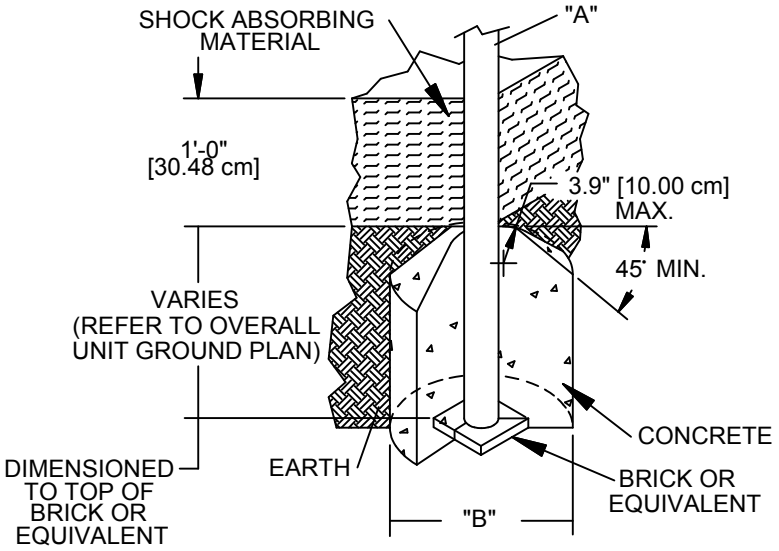
**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




**TOP VIEW**




**ELEVATION VIEW**
90106 5'-0" SHOWN
OTHERS SIMILAR

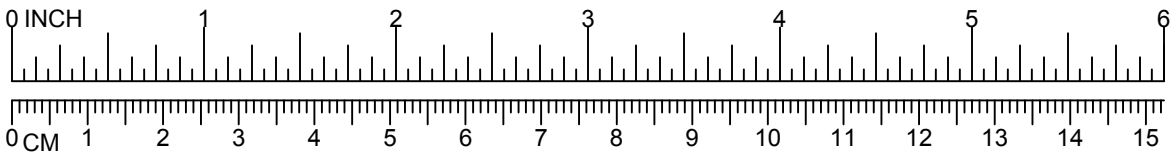


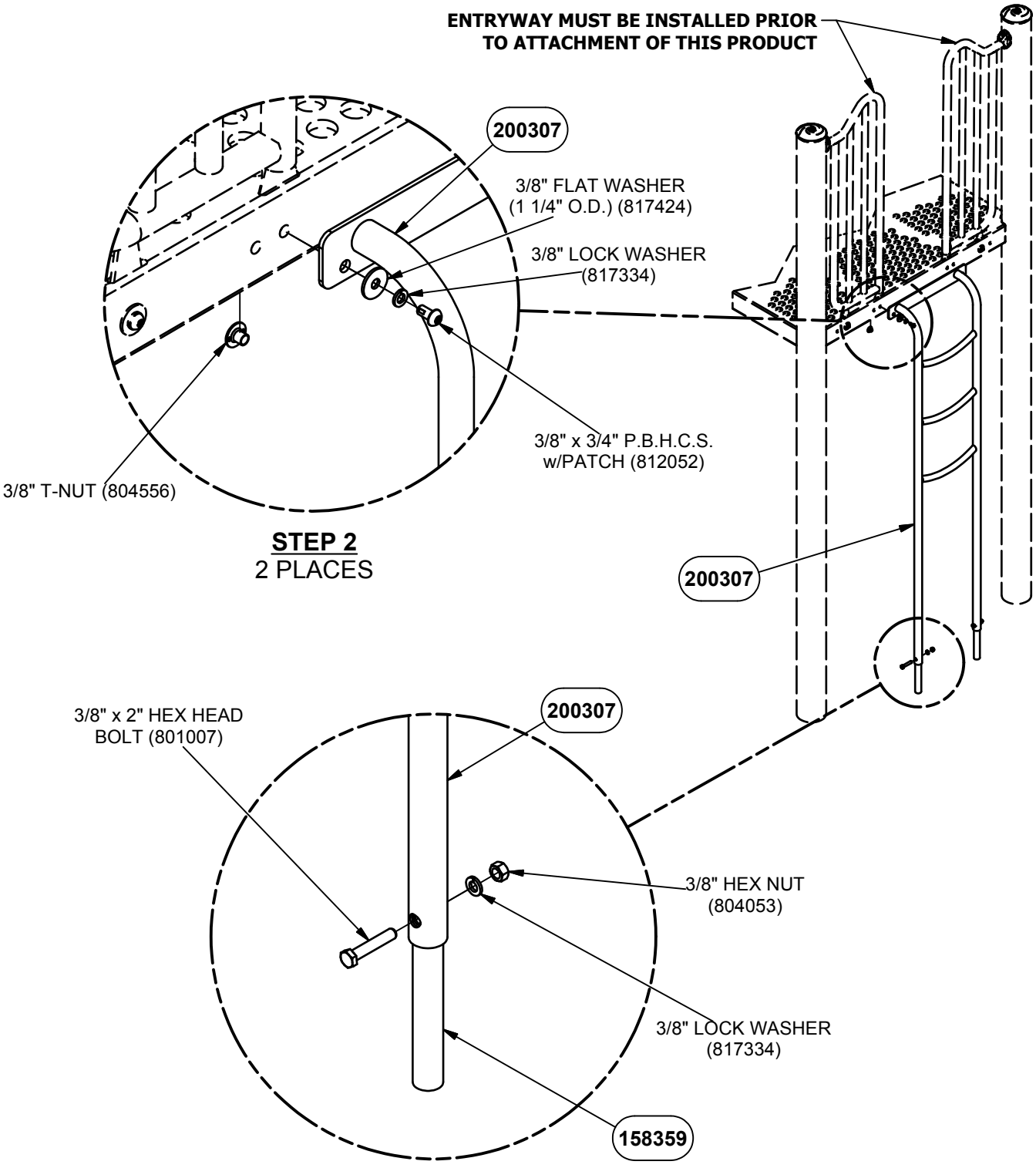

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL




**STEP 2**
2 PLACES

**STEP 1**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 90103 | 90104 | 90105 | 90106 | 90107 | 90108 | 90109 | PART NUMBER |
| SCHOONER CLIMBER WELD ASS'Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 200473 |
| SCHOONER CLIMBER WELD ASS'Y | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 200469 |
| SCHOONER CLIMBER WELD ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 200307 |
| SCHOONER CLIMBER WELD ASS'Y | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 200462 |
| SCHOONER CLIMBER WELD ASS'Y | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 200466 |
| SCHOONER CLIMBER WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 200479 |
| SCHOONER CLIMBER WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 200482 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 203664 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 203665 |
| EXTENSION | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 158359* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 812052* |
| 3/8" x 2" HEX HEAD BOLT | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 801007* |
| 3/8" LOCK WASHER | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 817334* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 817424* |
| 3/8" HEX-NUT | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 804053* |
| 3/8" T-NUT | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime
A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/25/2020

# 90138

# VERT WALL CLIMBER

**4' VERT WALL CLIMBER 90138**
**8' VERT WALL CLIMBER 90139**



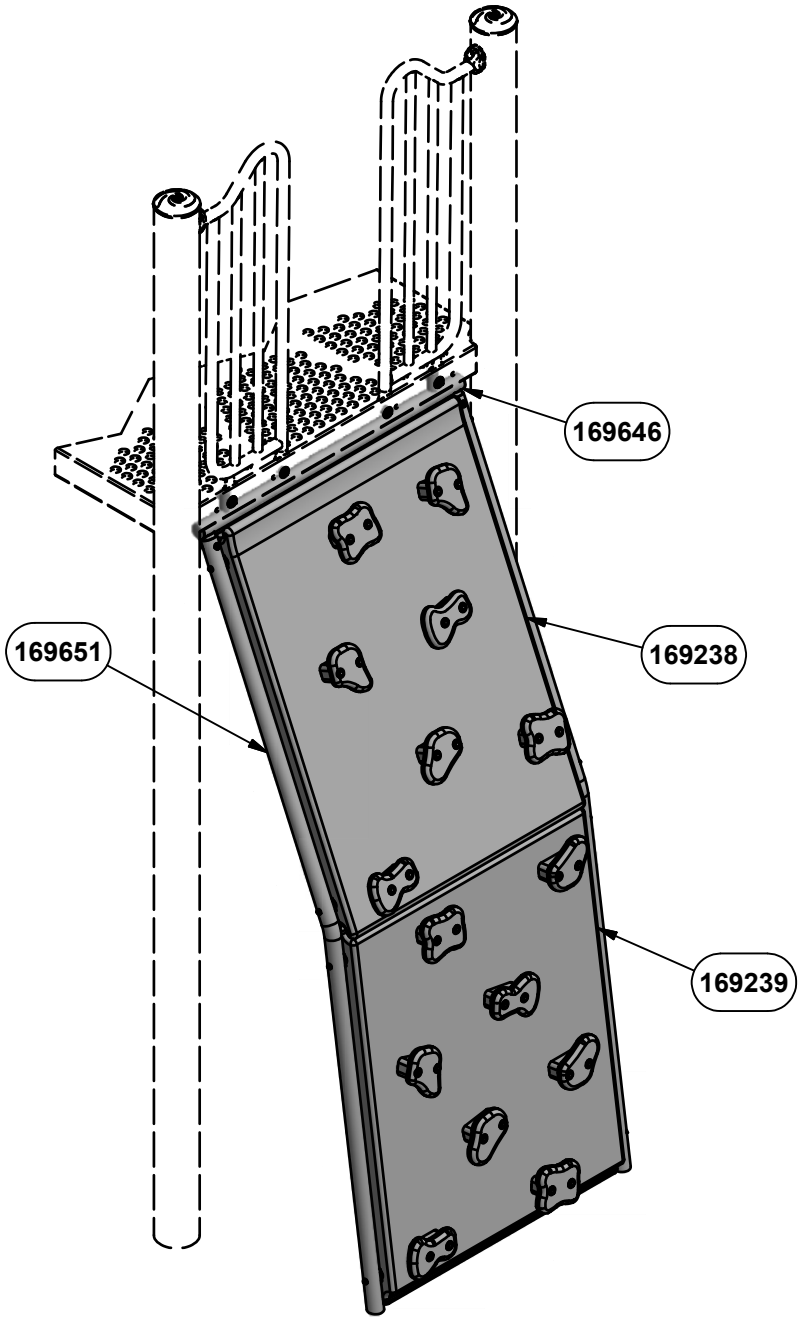

90138



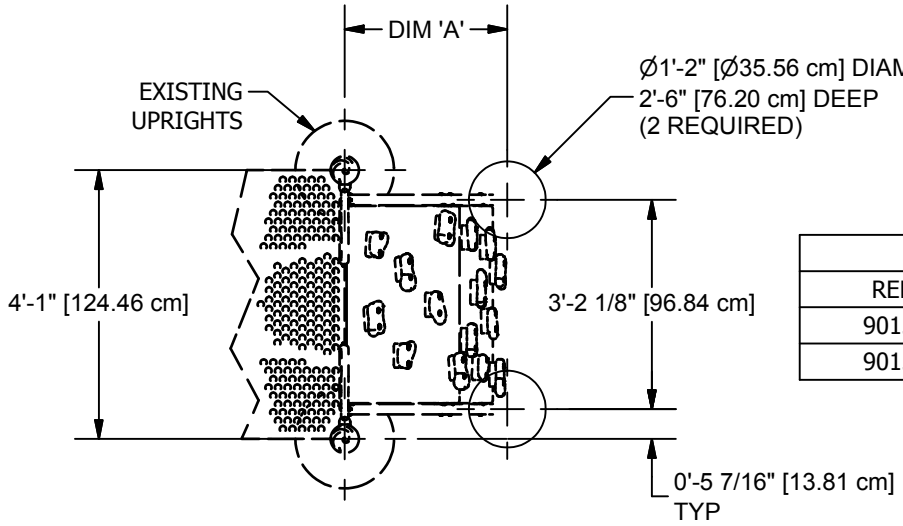

90139

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**ASSEMBLY VIEW**
90139 SHOWN

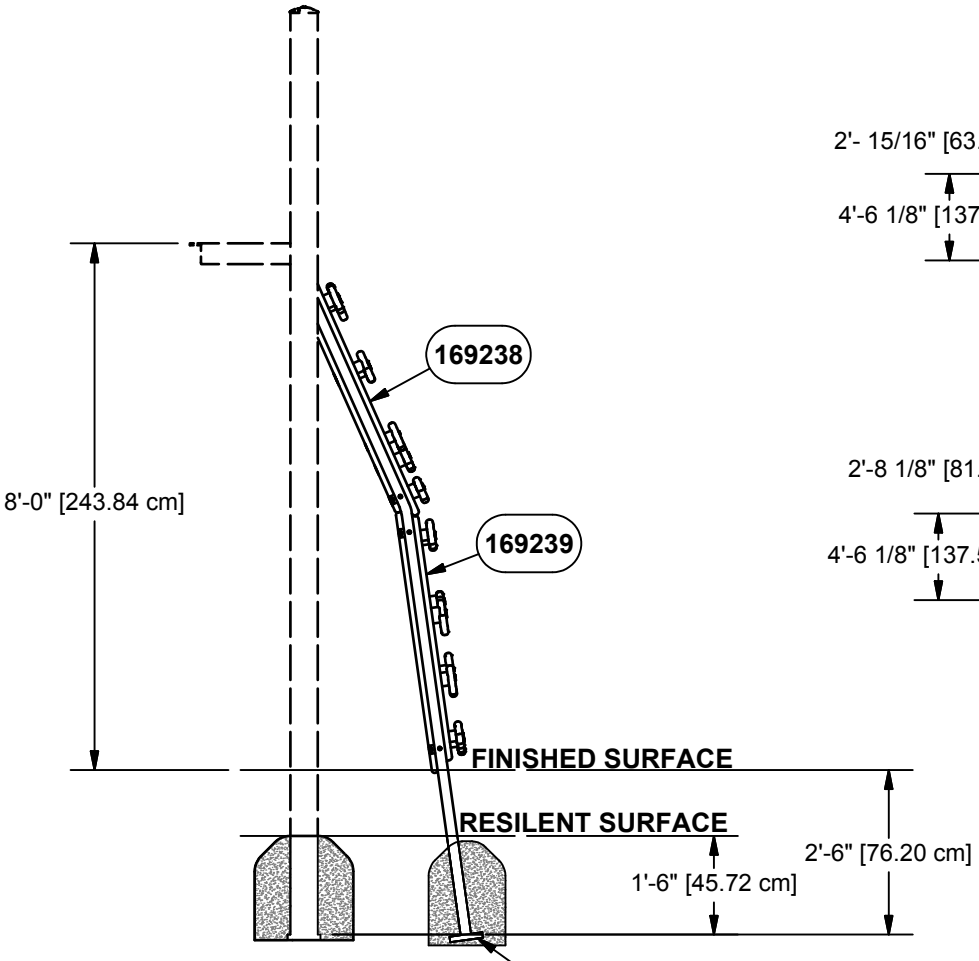



| Table | |
|---|---|
| REF. | DIM. 'A' |
| 90138 | 1'-7" [48.26 cm] |
| 90139 | 2'-3 1/2" [69.85 cm] |

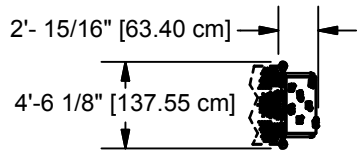
**PLAN VIEW**

CONCRETE REQUIREMENT:
.12 CUBIC YARDS
[.09 CUBIC METERS]

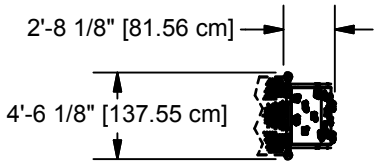
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



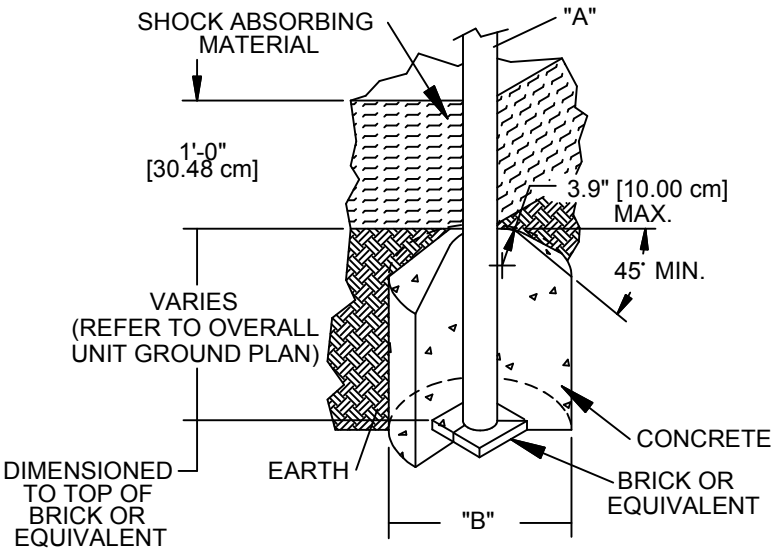

**ELEVATION VIEW**
90139 SHOWN
OTHER SIMILAR




**TOP VIEW**
90138




**TOP VIEW**
90139

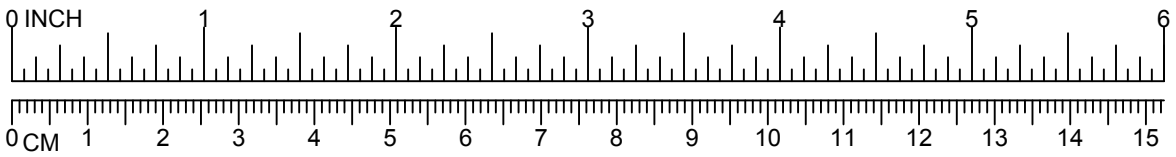



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL




3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

3/8" LOCK WASHER
(817334)

EXISTING
DECK

3/8" x 3/4" P.B.H.C.S.
w/PATCH (812052)

3/8" T-NUT (804556)

**STEP 1**
2 PLACES

**169646**

3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

3/8" LOCK WASHER
(817334)

3/8" x 2" P.B.H.C.S.
w/PATCH (812055)

3/8" T-NUT (804556)

**169646**

**STEP 2**
2 PLACES

**169646**

3/8" LOCK WASHER
(817334)

3/8" T-NUT (804556)

3/8" x 2" P.B.H.C.S.
w/PATCH (812055)

EXISTING
UPRIGHTS

**169651**

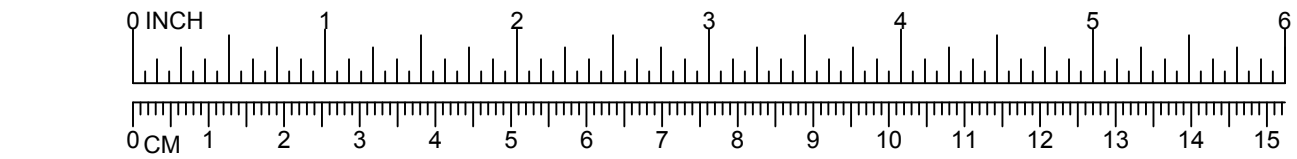
**169651**

**STEP 3**
2 PLACES

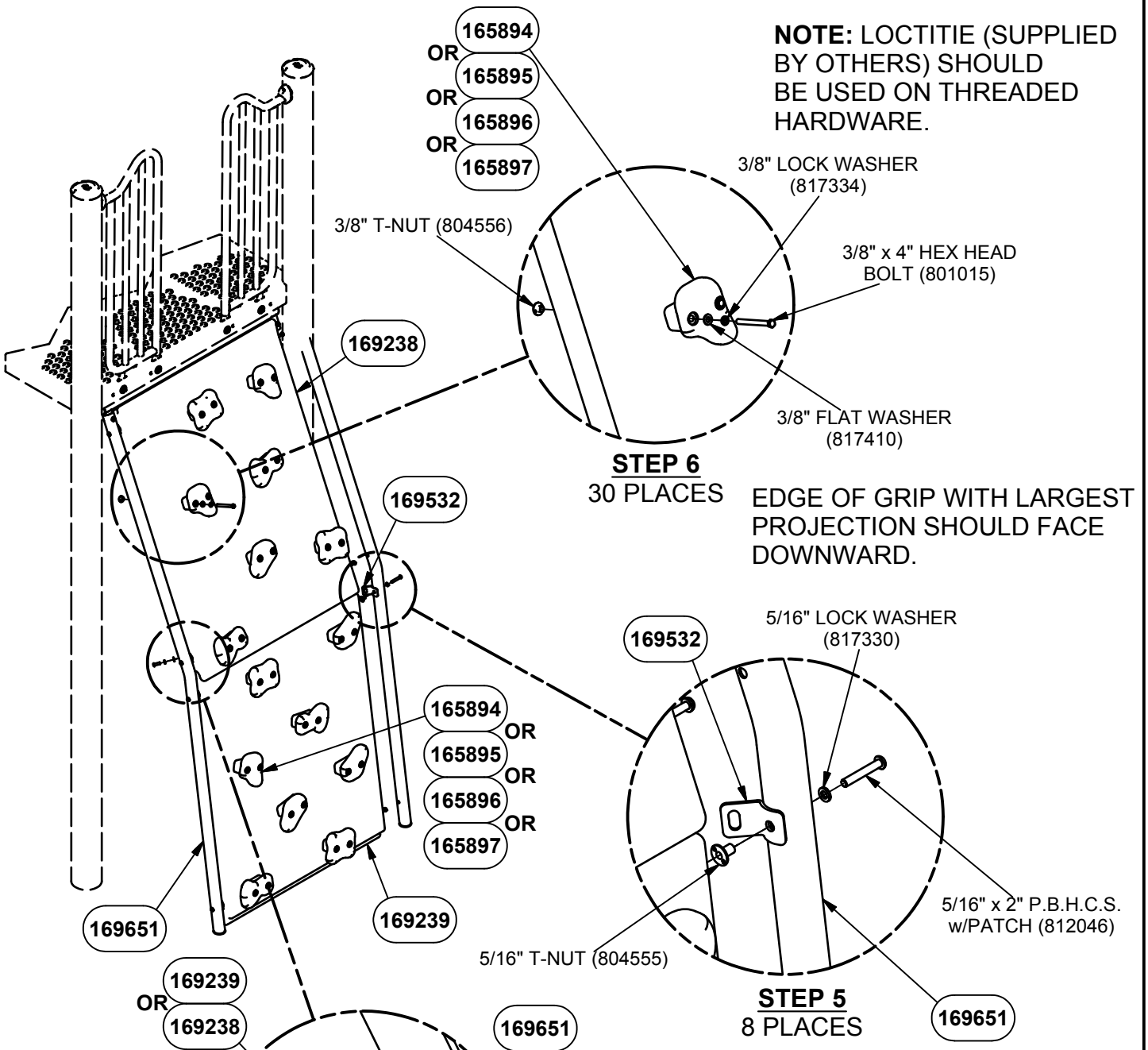
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




**NOTE:** LOCTITIE (SUPPLIED BY OTHERS) SHOULD BE USED ON THREADED HARDWARE.




**STEP 6**
30 PLACES

EDGE OF GRIP WITH LARGEST PROJECTION SHOULD FACE DOWNWARD.

**STEP 5**
8 PLACES

**STEP 4**
8 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



**DETAIL VIEW**

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 90138 | 90139 | PART NUMBER |
| FLAT WALL (TOP) | 1 | 1 | 169238 |
| FLAT WALL (BOTTOM) | 0 | 1 | 169239 |
| MOUNTING BRACKET | 1 | 1 | 169646 |
| 4 FT. ATTACHMENT STRUT | 2 | 0 | 169650 |
| 8 FT. ATTACHMENT STRUT | 0 | 2 | 169651 |
| TAB | 4 | 8 | 169532 |
| MOLDED GRIP #1 | 2 | 3 | 165894 |
| MOLDED GRIP #2 | 2 | 4 | 165895 |
| MOLDED GRIP #3 | 2 | 4 | 165896 |
| MOLDED GRIP #4 | 1 | 4 | 165897 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 203655 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 203656 |
| 5/16" x 1" B.H.C.S. | 4 | 8 | 811042* |
| 5/16" x 2" P.B.H.C.S. w/PATCH | 4 | 8 | 812046* |
| 5/16" FLAT WASHER (5/8" O.D.) | 4 | 8 | 817406* |
| 5/16" LOCK WASHER | 8 | 16 | 817330* |
| 5/16" T-NUT | 4 | 8 | 804555* |
| 5/16" PIN-IN TORX BIT | 2 | 2 | 812654* |
| 5/16" PIN-IN TORX KEY | 2 | 2 | 812657* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 812052* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 4 | 4 | 812055* |
| 3/8" x 4" HEX HEAD BOLT | 14 | 30 | 801015* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 817424* |
| 3/8" FLAT WASHER | 14 | 30 | 817410* |
| 3/8" LOCK WASHER | 20 | 36 | 817334* |
| 3/8" T-NUT | 20 | 36 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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A PLAYCORE Company

1-800-235-2440

**ISSUED/REVISED: 09/03/2024**

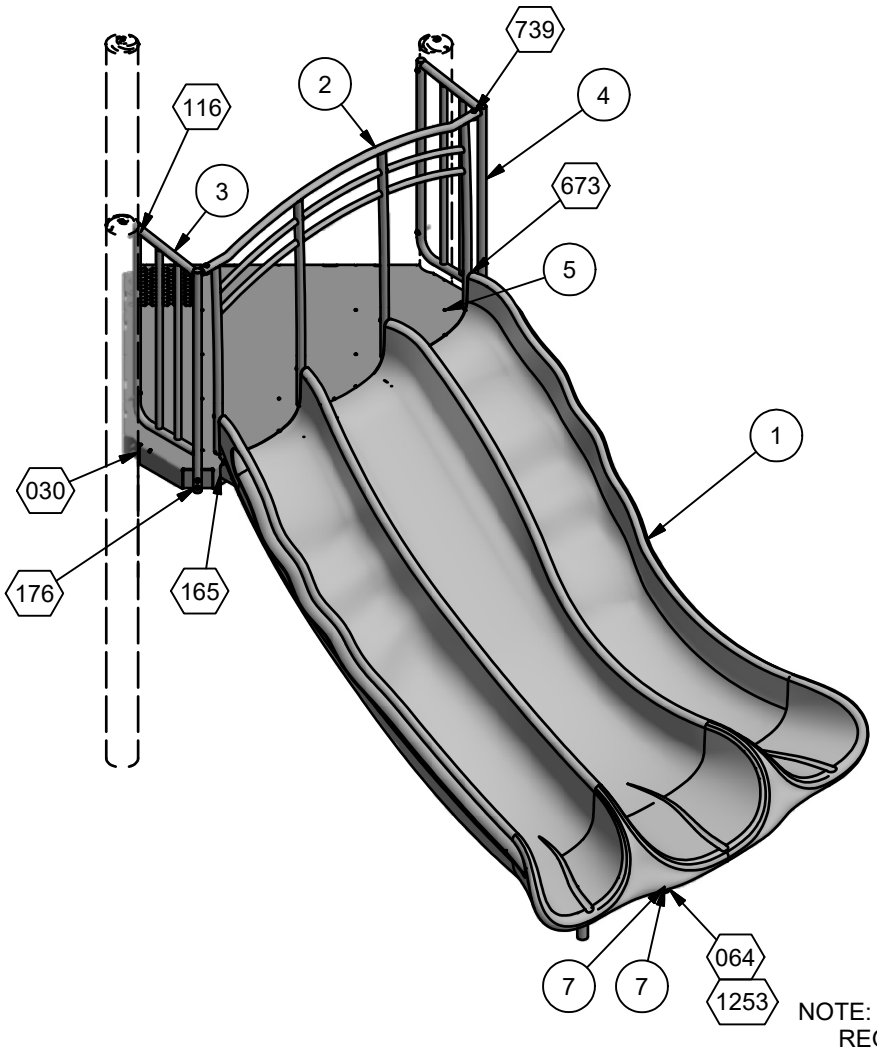
# 90157

# TRIPLE SLIDE

⬡ = INSTALLATION DETAIL

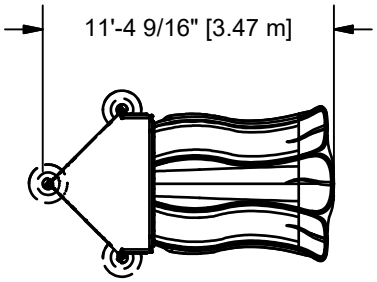
◯ = PARTS LIST REFERENCE




NOTE: CHECK SLIDE EXIT REGION FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS APPLIED

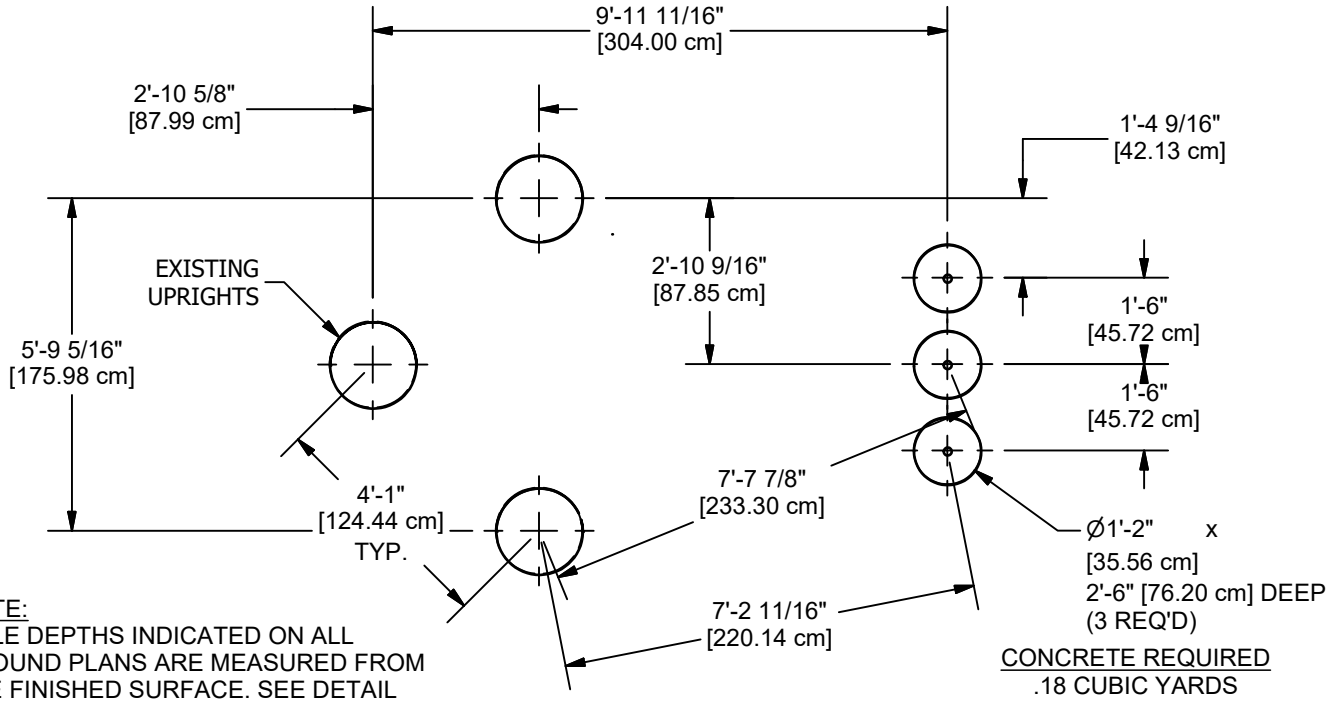
***ASSEMBLY DRAWING***




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




NOTE:
HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVERL FINISHED SURFACE.

***GROUND PLAN***

CONCRETE REQUIRED
.18 CUBIC YARDS
[.14 CUBIC METERS]

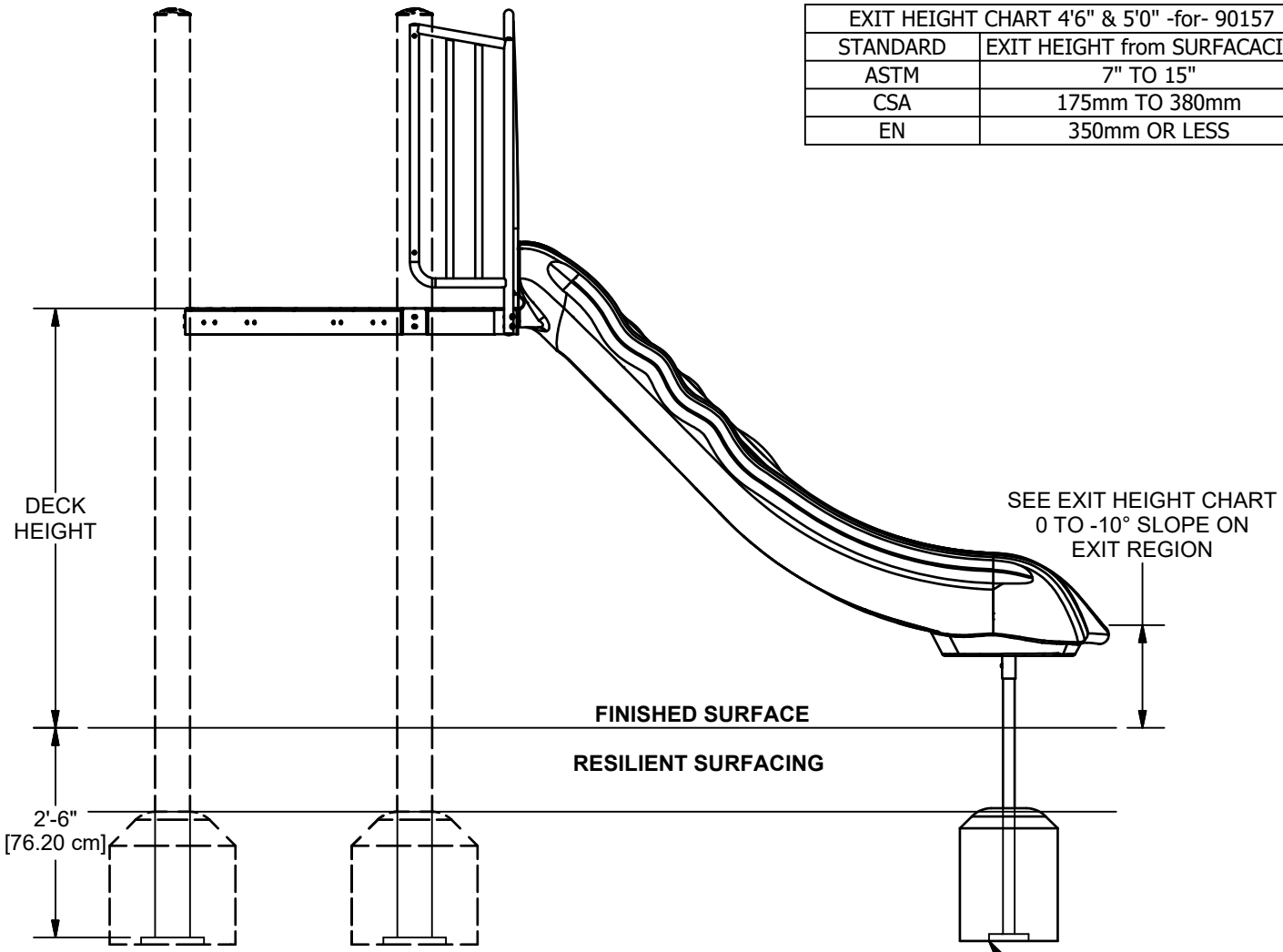
| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | TRIPLE SLIDE | 1 | 311532 |
| 2 | ARCH ENCLOSURE WELD ASS'Y | 1 | 205238 |
| 3 | CROSSBAR SUPPORT RIGHT ASS'Y | 1 | 203555 |
| 4 | CROSSBAR SUPPORT LEFT ASS'Y | 1 | 203552 |
| 5 | DIAMOND DECK | 1 | 163360 |
| 6 | FOOTBUCK PLATE | 3 | 223226 |
| 7 | FOOTBUCK PIPE, 34 1/4" | 3 | 223452 |
| | ***HARDWARE COMPLETE*** | 1 | 203470 |
| | EXTENSION LEG | 3 | 152110* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 6 | 812052* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051* |
| | 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 3 | HWS0081* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 6 | 812053* |
| | 3/8" x 1 1/2" P.B.H.C.S. | 6 | 810053* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 4 | 812054* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 4 | 812055* |
| | 3/8" x 2 1/2" HEX HEAD BOLT | 3 | 801009* |
| | 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 4 | 812057* |
| | 3/8" FLAT WASHER | 6 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 12 | 817424* |
| | 3/8" LOCK WASHER | 35 | 817334* |
| | 3/8" HEX NUT | 3 | 804053* |
| | 3/8" T-NUT | 6 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

| EXIT HEIGHT CHART 4'6" & 5'0" -for- 90157 | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |




**ELEVATION VIEW**

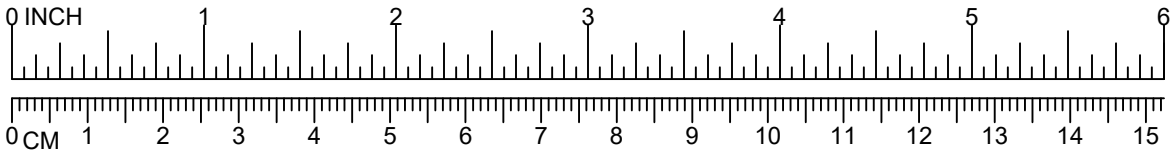
# DETAILS -for-
# 90157

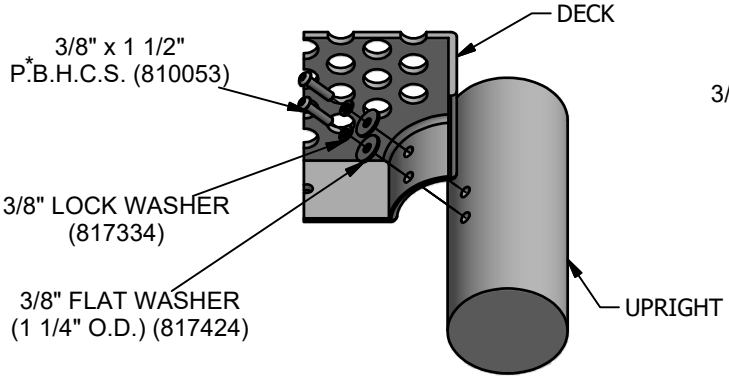
*I*MPORTANT

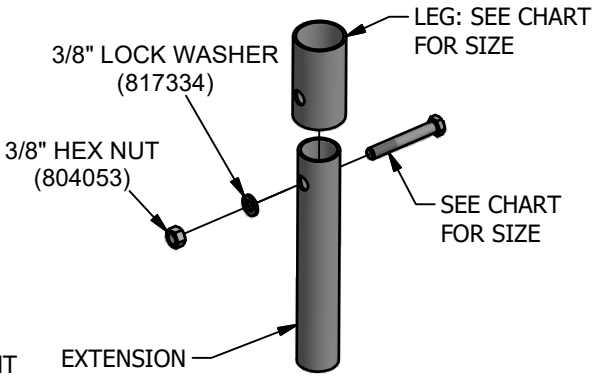
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



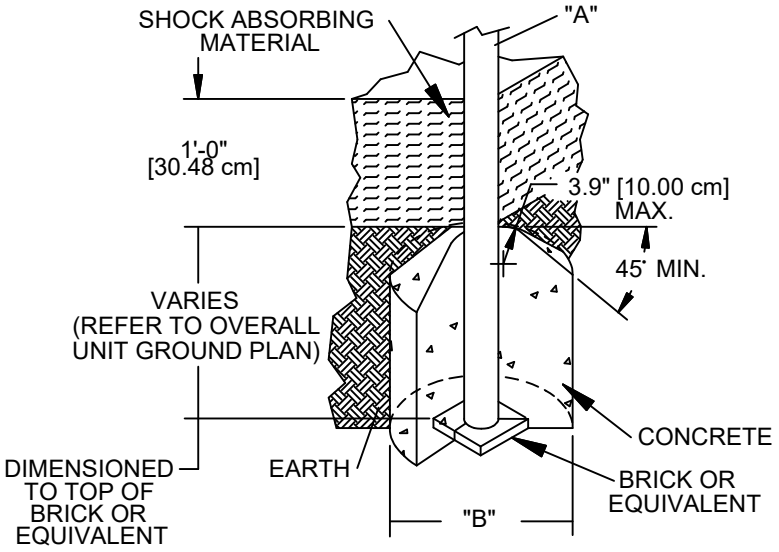

| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [6.0 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |

064

*NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

*NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

030




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

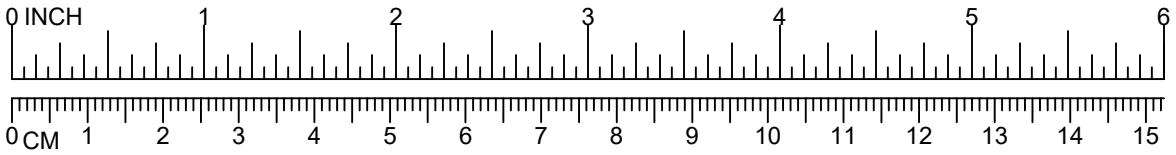
# DETAILS -for-
# 90157

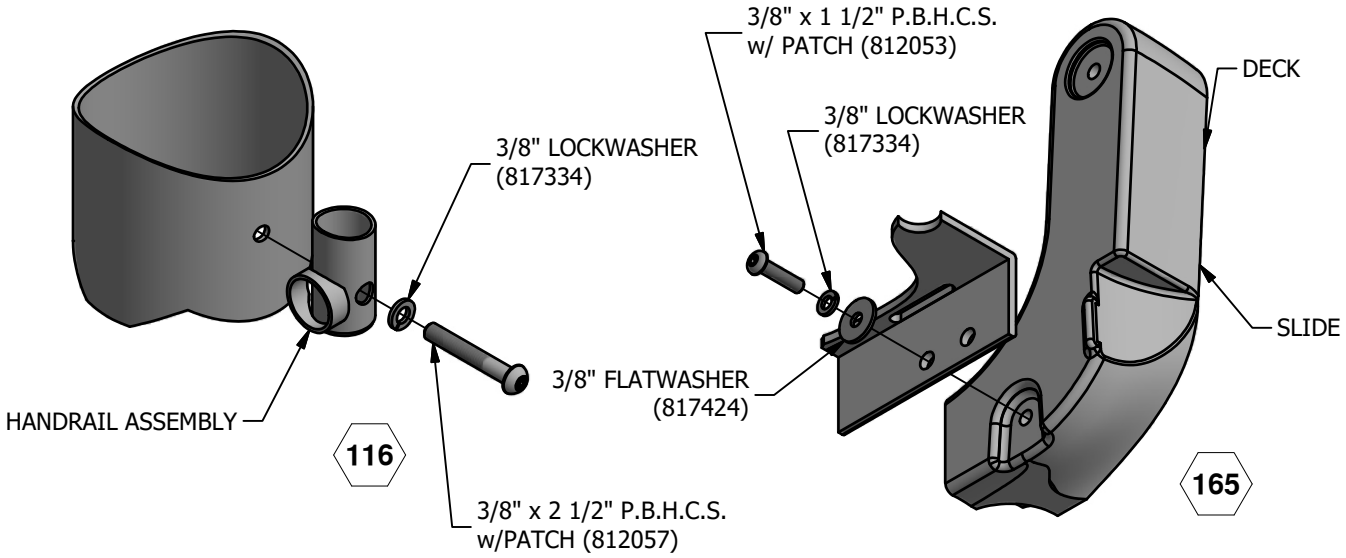
*I*MPORTANT

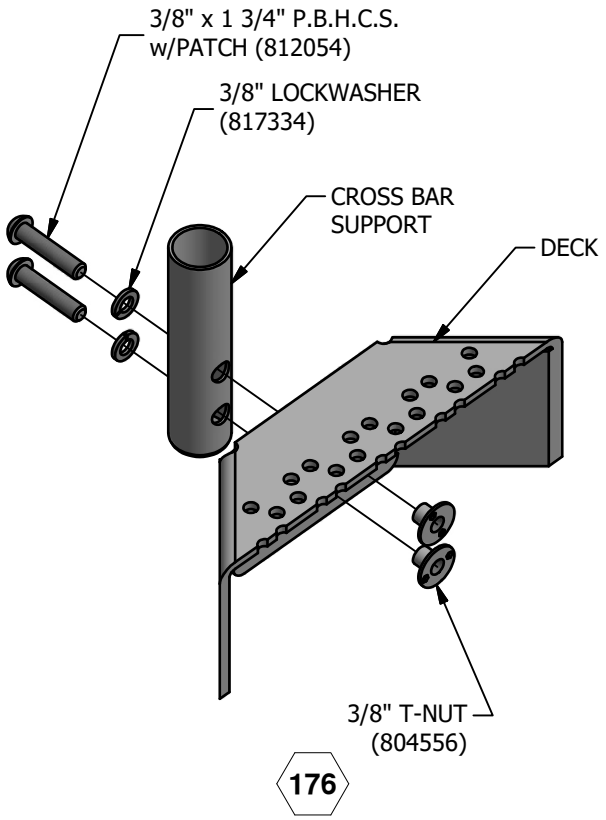
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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



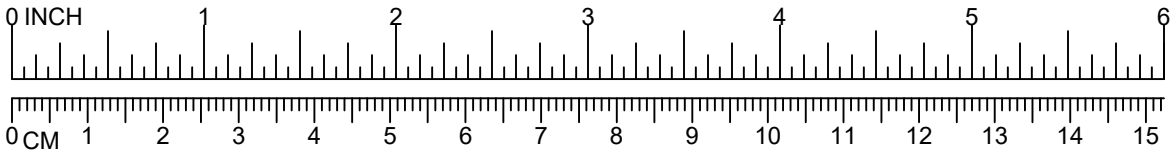
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# 90157

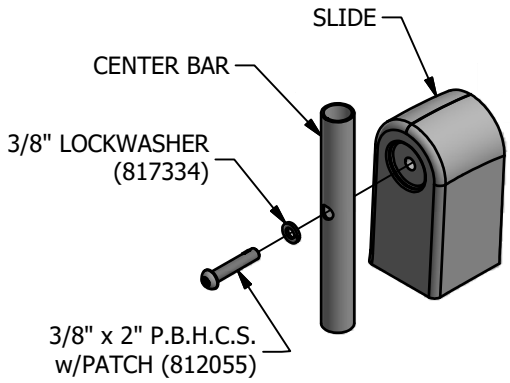
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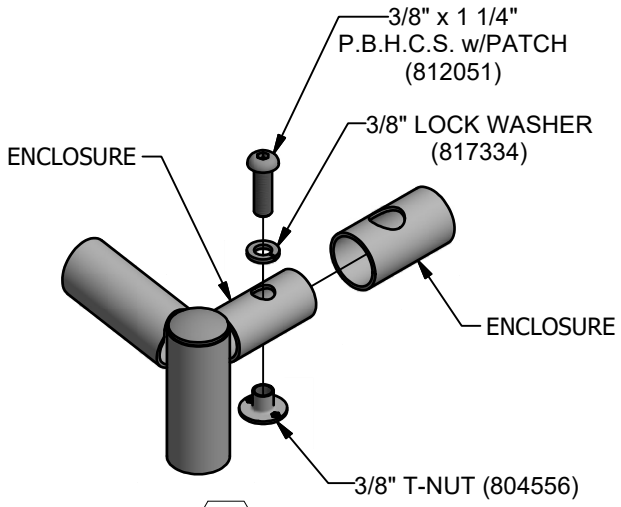
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673




739

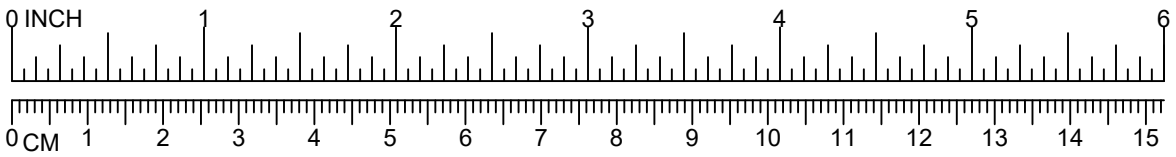
# DETAILS -for-
# 90157

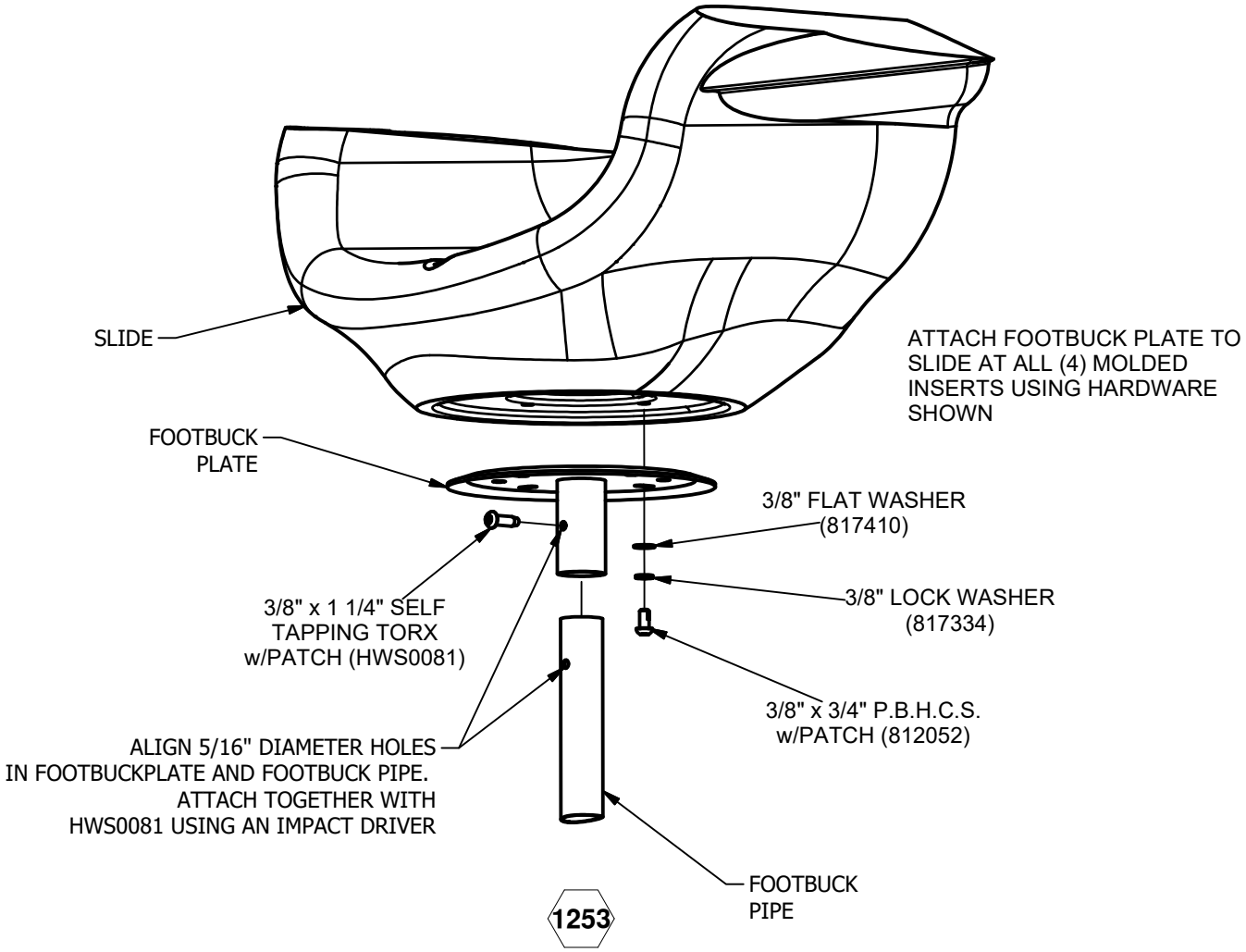
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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ISSUED/REVISED: 02/11/2022

# 90176
# ADA
# CROW'S NEST

**w/ GIZMO PANEL 90176**
**FOR GIZMOS, SEE INSTALLATION SHEET 4956**

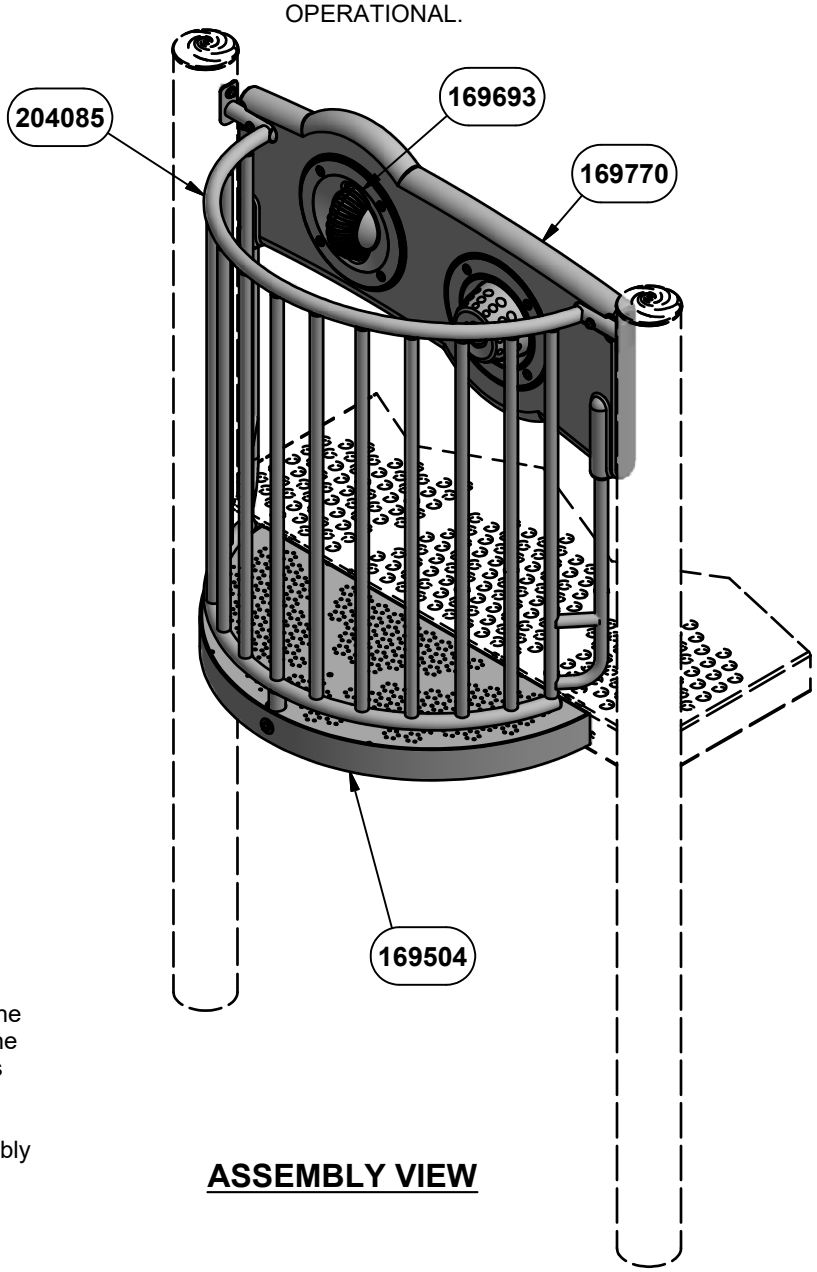



UP TO 5'-0" DECK HEIGHTS




ALL DECK HEIGHTS

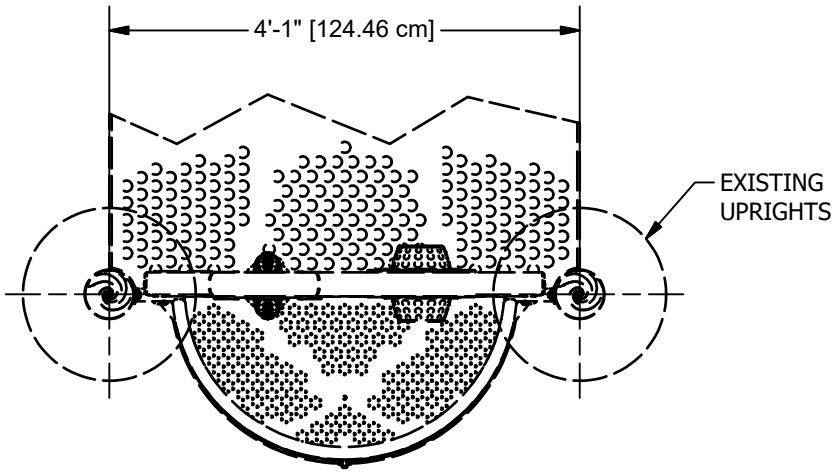
NOTE: ALL OPENINGS ON PANEL MUST BE FILLED WITH A GIZMO BEFORE PLAYGROUND IS OPERATIONAL.



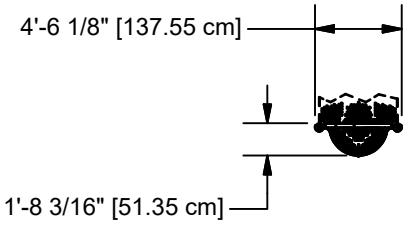

**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

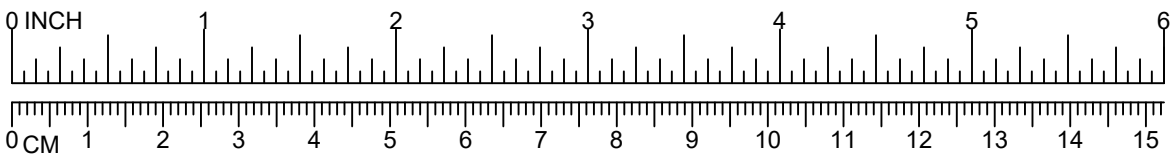
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

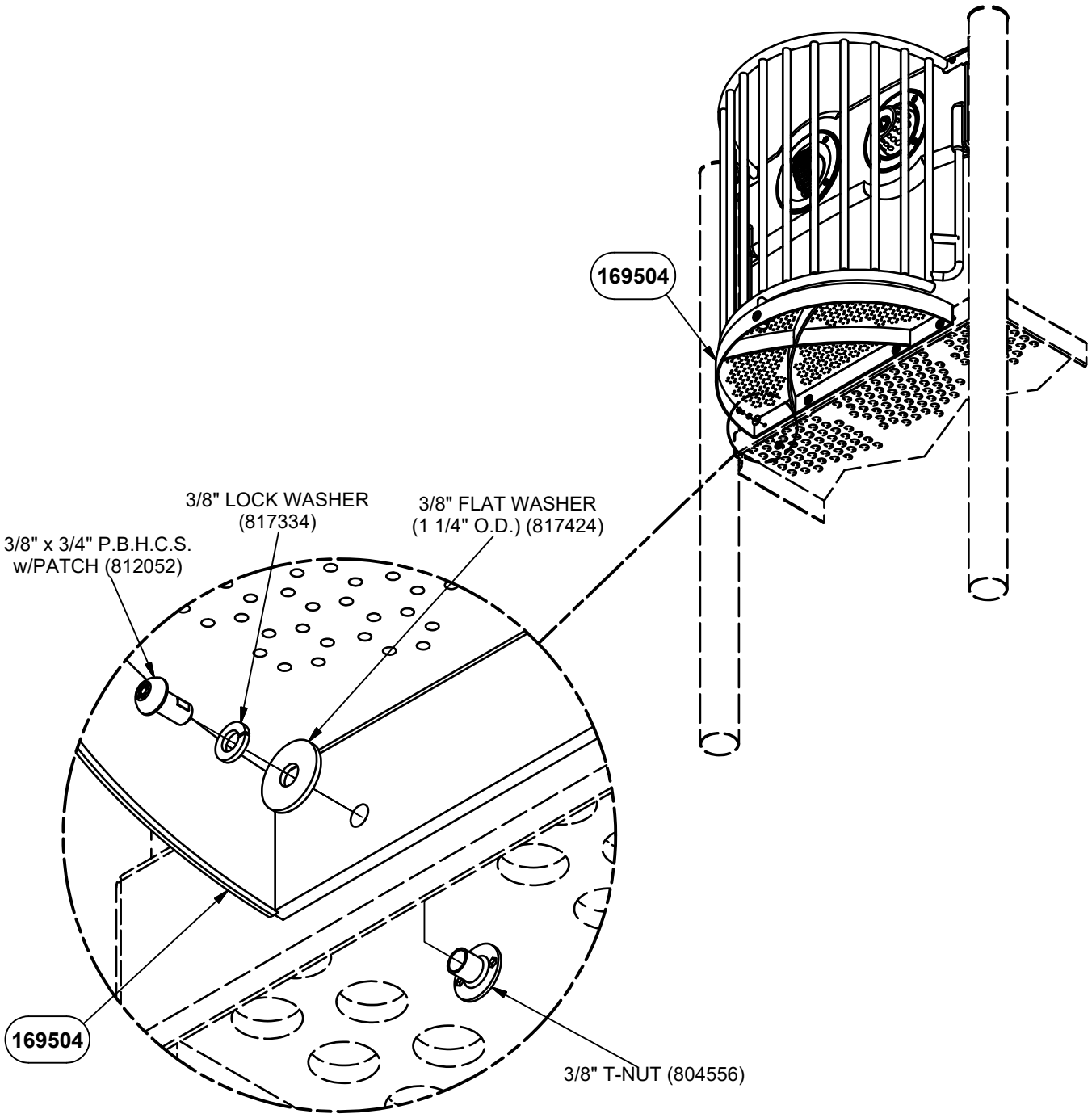



**PLAN VIEW**




**TOP VIEW**



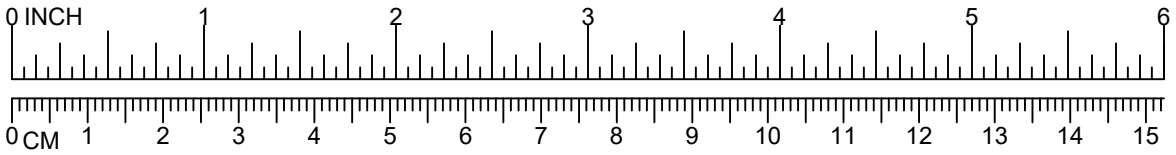



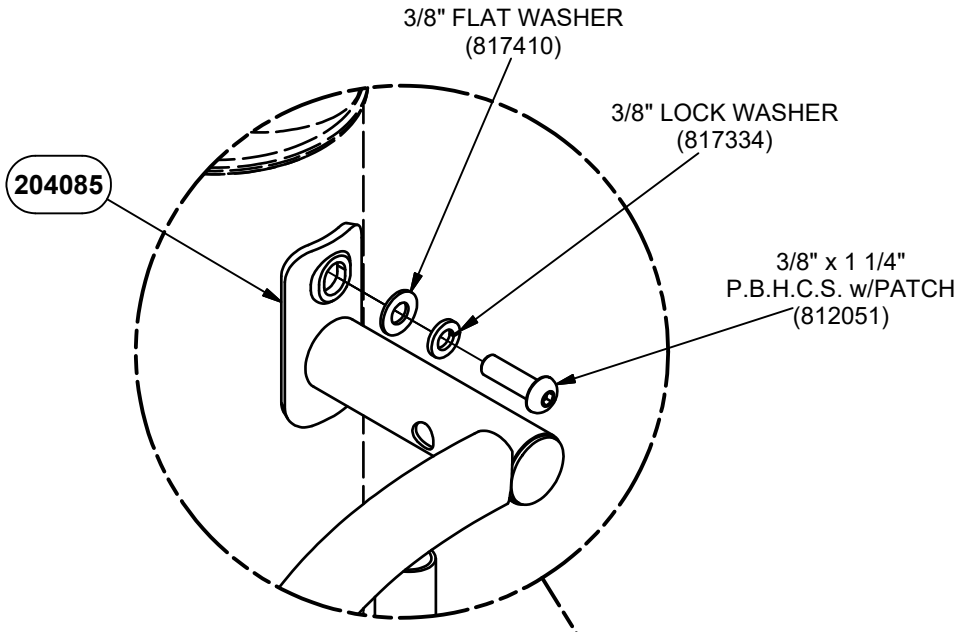

**STEP 1**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

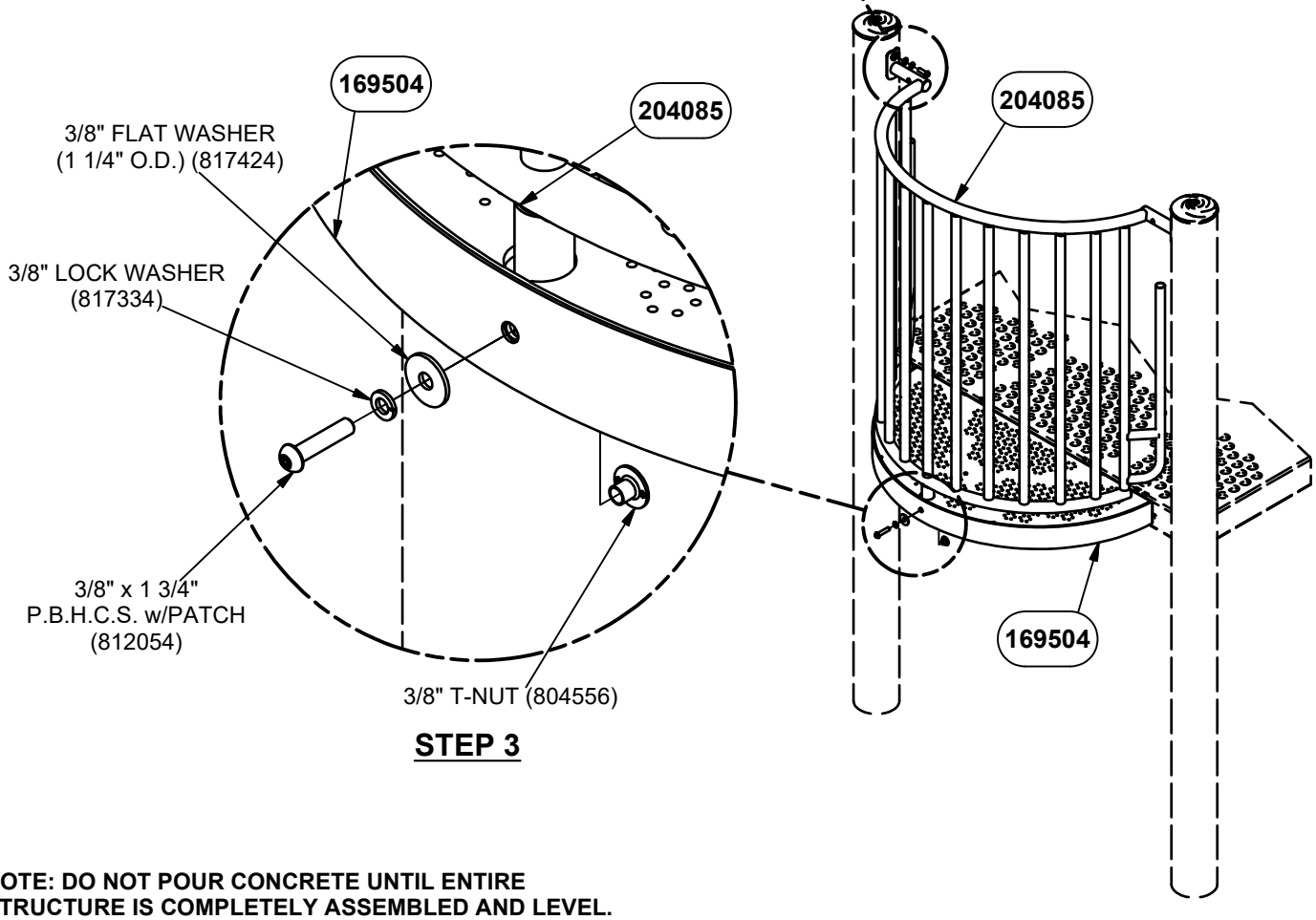


## DETAIL VIEW




**STEP 2**
2 PLACES

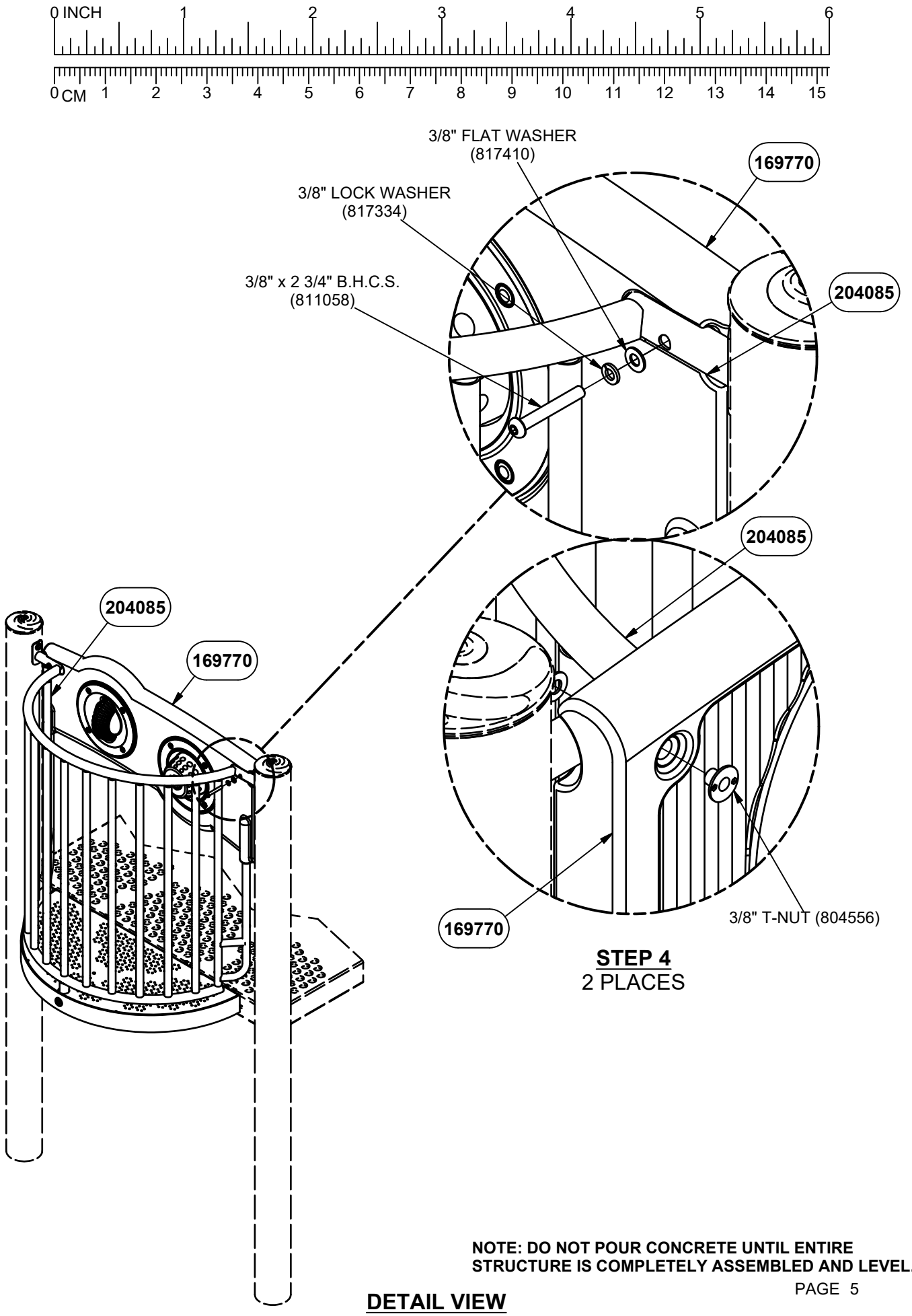



**STEP 3**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




**STEP 4**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



**DETAIL VIEW**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| ADA GIZMO PANEL | 1 | 169770 |
| CROW'S NEST ENCLOSURE | 1 | 204085 |
| CROW'S NEST PLATFORM (ADA) | 1 | 169504 |
| ***HARDWARE COMPLETE*** | 1 | 204095 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 1 | 812054* |
| 3/8" x 2 3/4" B.H.C.S. | 2 | 811058* |
| 3/8" FLAT WASHER | 4 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 5 | 817424* |
| 3/8" LOCK WASHER | 9 | 817334* |
| 3/8" T-NUT | 7 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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**ISSUED/REVISED: 9/25/23**

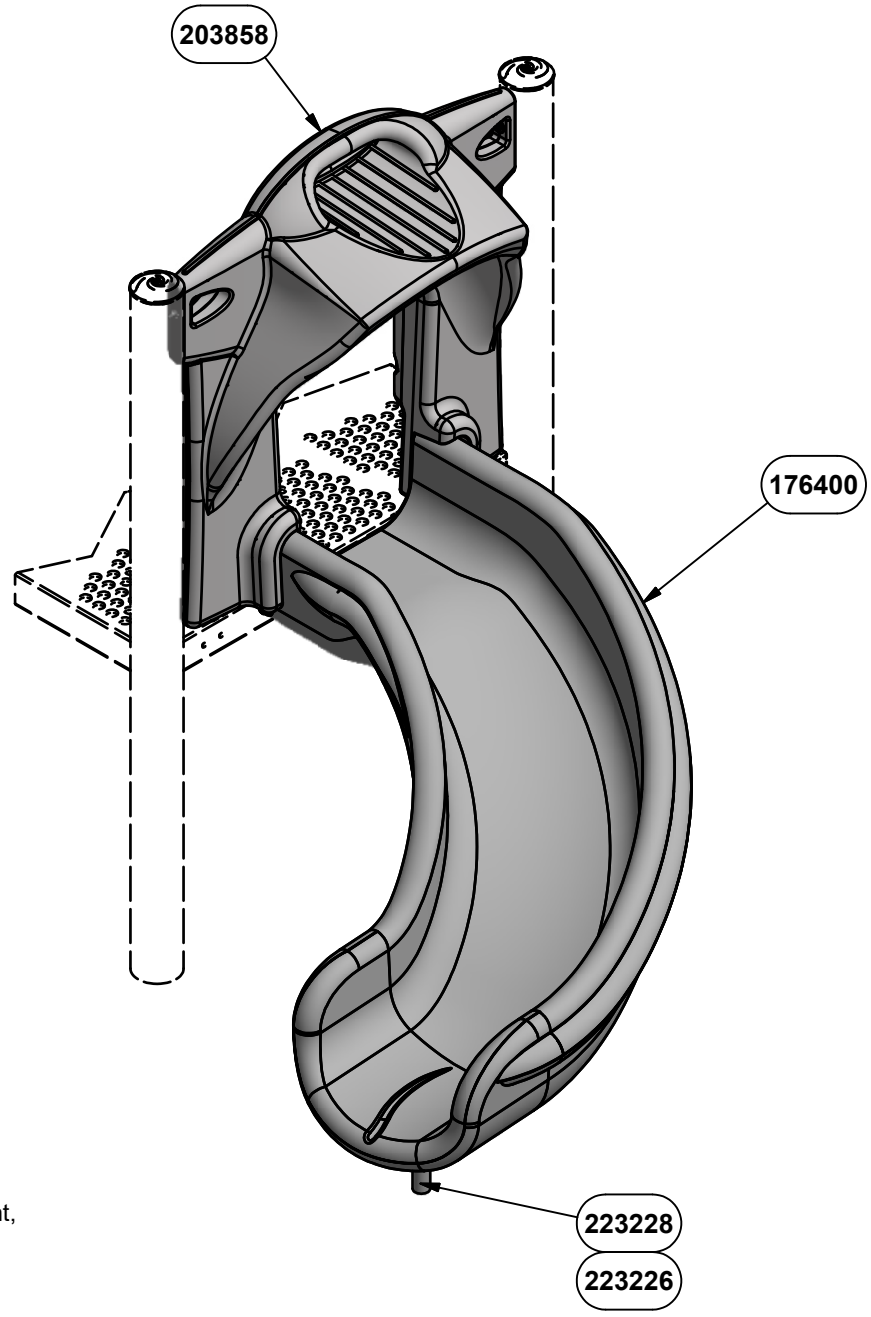
# 90193 CURVED ZIP SLIDE

**2'-6" / 3'-0"  90193**

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

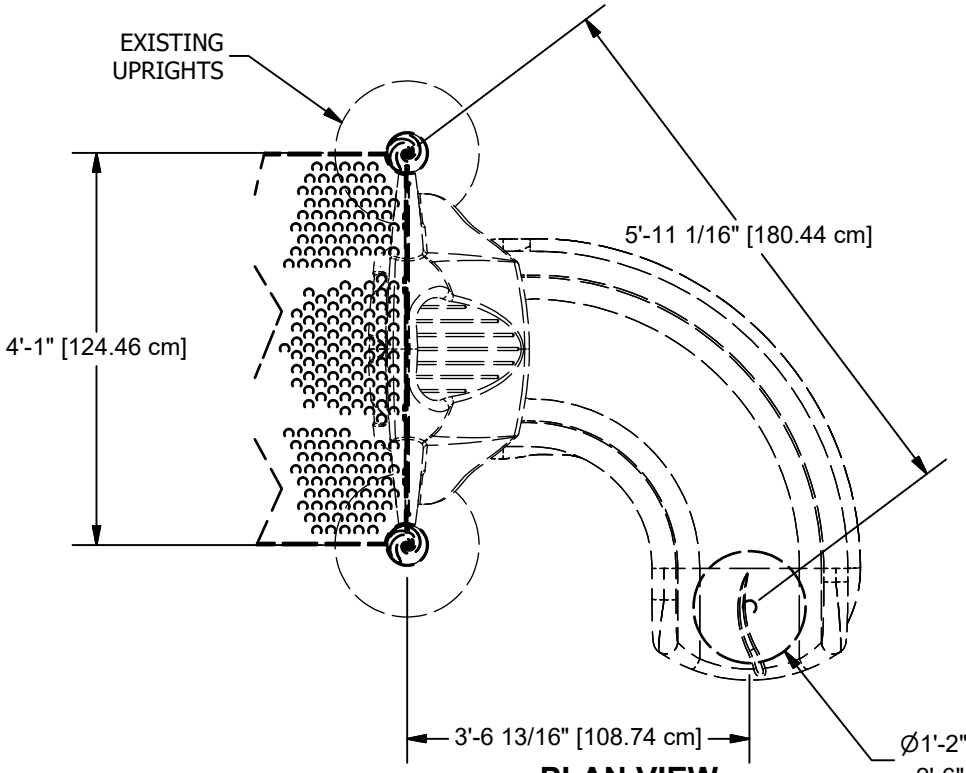



***ASSEMBLY DRAWING***

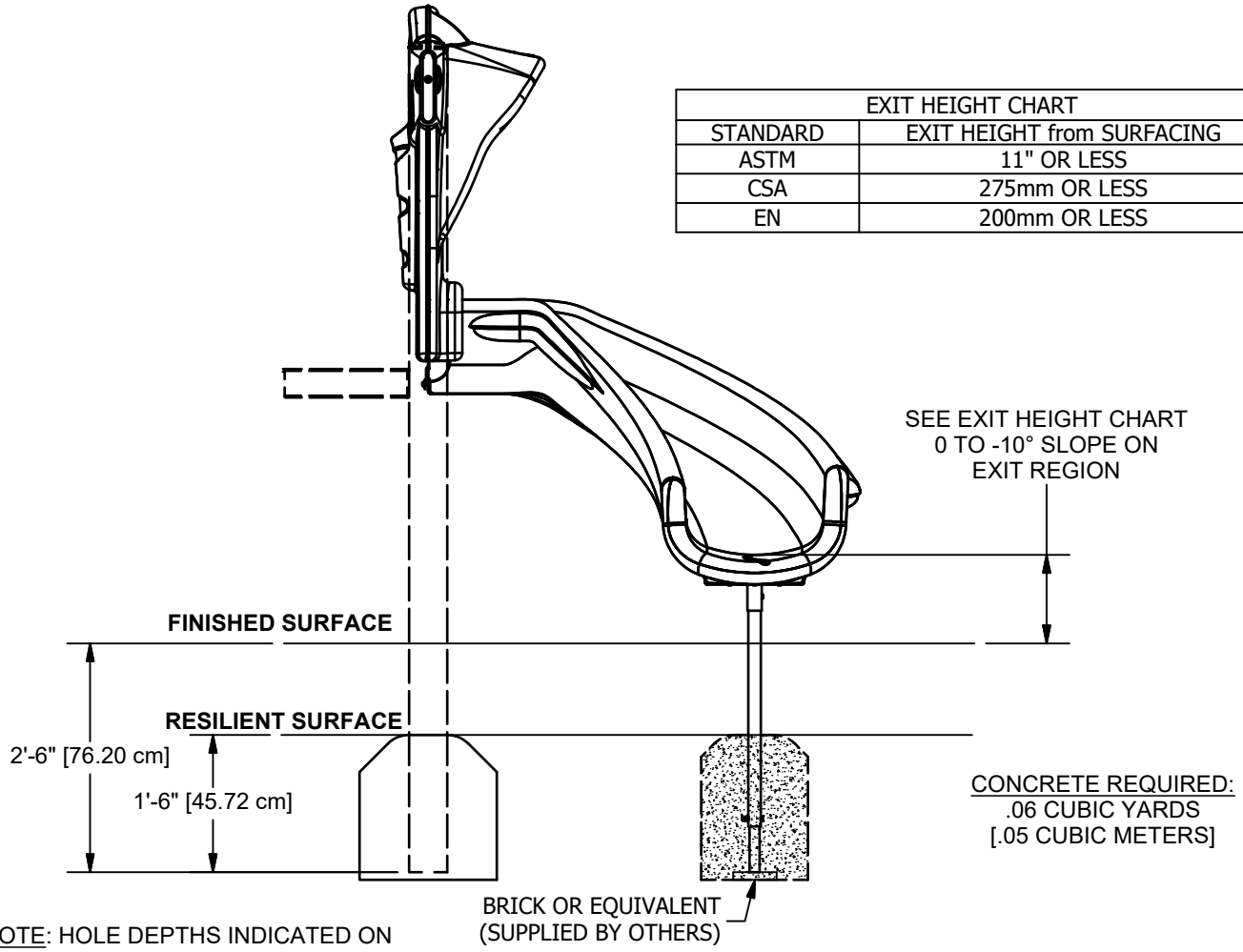
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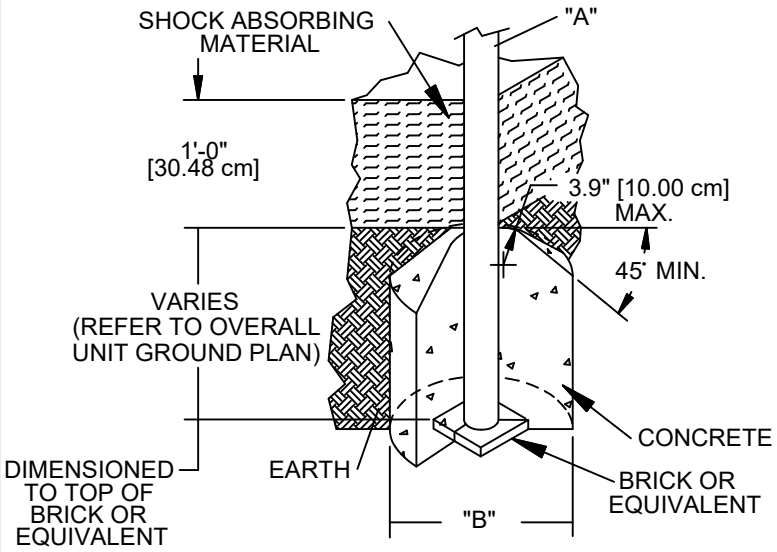

**PLAN VIEW**

| EXIT HEIGHT CHART | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |




NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE FOOTING DETAIL. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**ELEVATION VIEW**

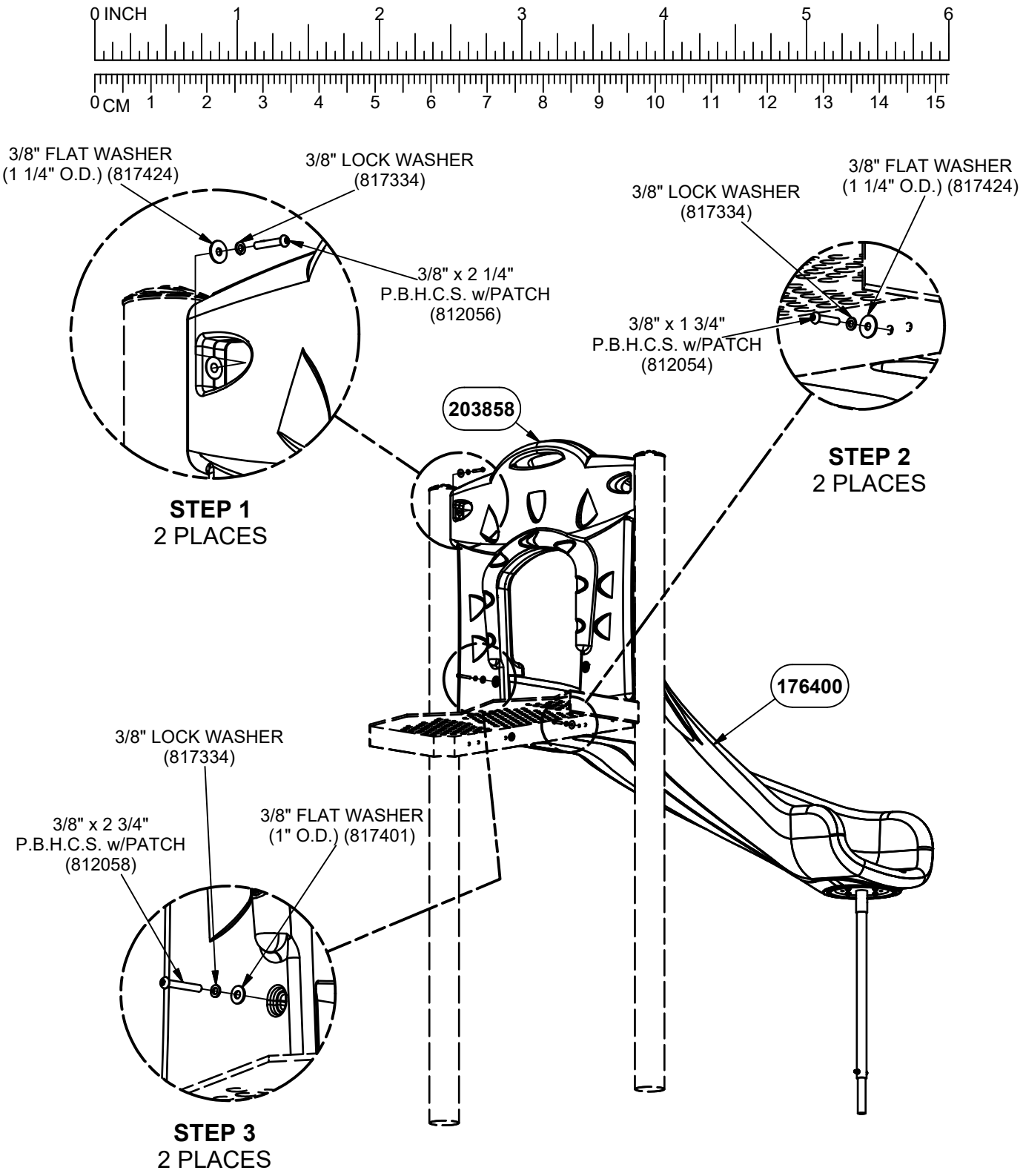



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
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| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
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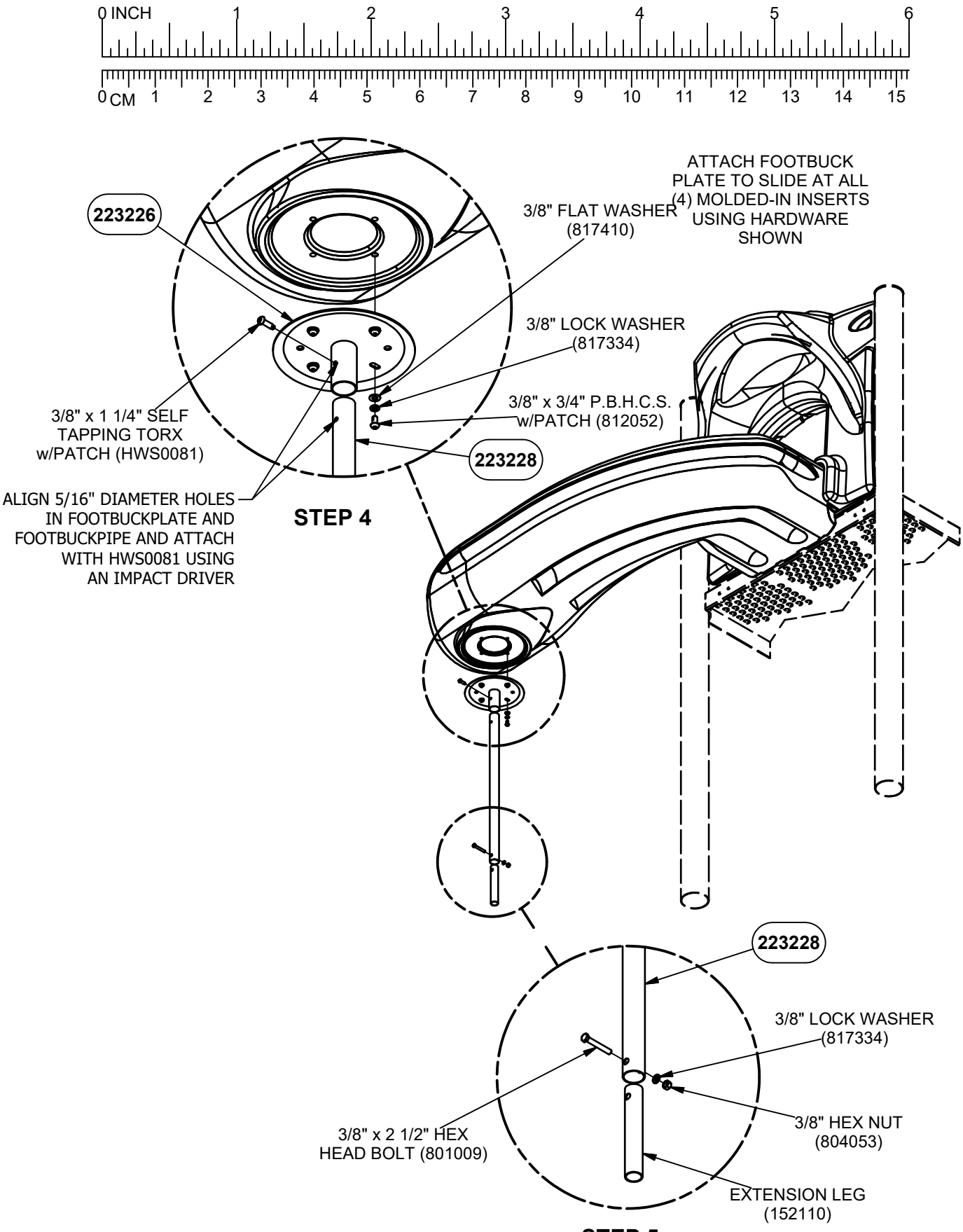
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**FOOTING DETAIL**




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**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SINGLE ZIP SLIDE HOOD | 1 | 203858 |
| 3' CURVED ZIP SLIDE | 1 | 176400 |
| FOOTBUCK PLATE | 1 | 223226 |
| FOOTBUCK PIPE | 1 | 223228 |
| HARDWARE COMPLETE | 1 | 223413 |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 2 | 812058* |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 812056* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 3/8" FLAT WASHER (1" O.D.) | 2 | 817401* |
| 3/8" FLAT WASHER | 4 | 817410* |
| 3/8" LOCK WASHER | 11 | 817334* |
| 3/8" HEX NUT | 1 | 804053* |
| 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 1 | HWS0081* |
| 3/8" x 2 1/2" HEX HEAD BOLT | 1 | 801009* |
| EXTENSION LEG | 1 | 152110* |

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** Included in Hardware*

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1-800-235-2440

**ISSUED/REVISED: 3/5/13**

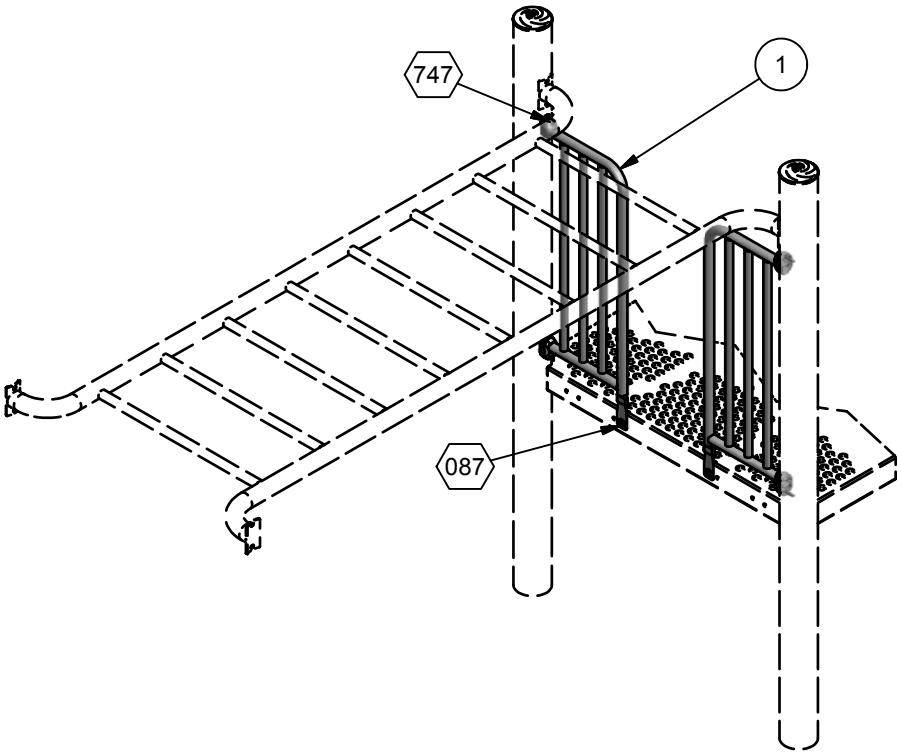
# 90207 OVERHEAD LADDER ACCESS PACKAGE

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

This play equipment is designed for CHILDREN 5 TO 12 YEARS OLD Adult supervision is recommended

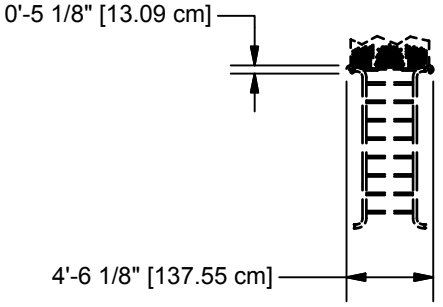
Enriching Childhood Through Play.™ www.gametime.com




***ASSEMBLY VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEWS***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | D-RING w/INFILL WELD ASS'Y | 2 | 206044 |
| | TRU-LOC | 4 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 203637 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 4 | 812055* |
| | 3/8" LOCKWASHER | 6 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" T-NUT | 2 | 804556* |
| | ALUM. PIN | 4 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

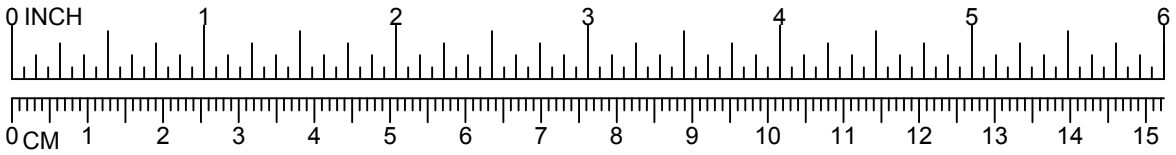
# DETAILS -for-
# 90207

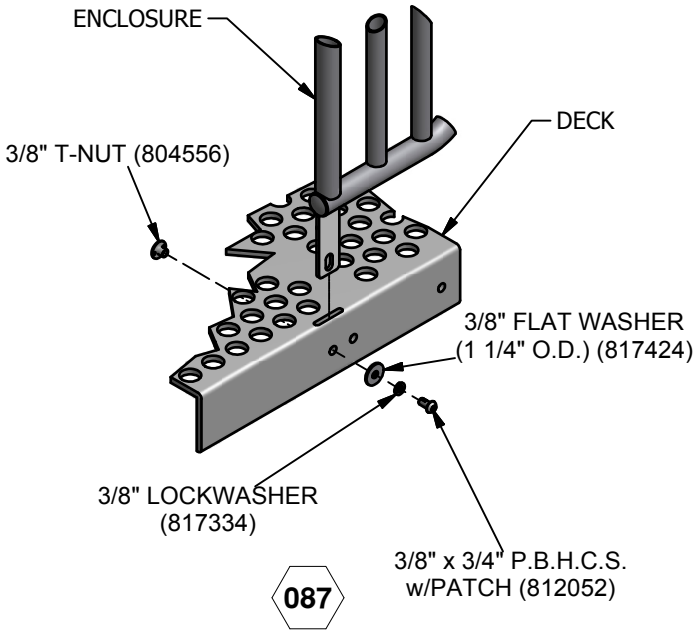
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

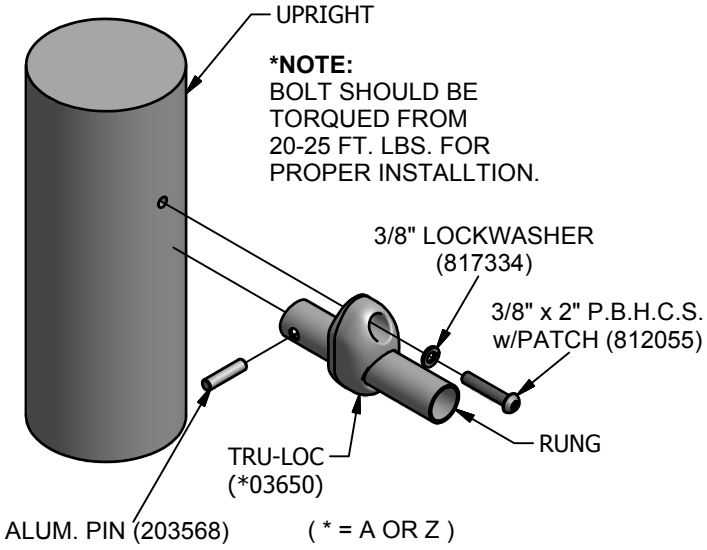
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




087




747

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**1-800-235-2440**

**ISSUED/REVISED: 5/20/13**

# 90209 RUNG ENCLOSURE (BARRIER)

| | |
|---|---|
| w/ KALEIDOSCOPE (ABOVE DECK) | 90209 |
| w/ KALEIDOSCOPE (BELOW DECK) | 90210 |
| w/ TELESCOPE (ABOVE DECK) | 90211 |
| w/ TELESCOPE (BELOW DECK) | 90212 |

⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE



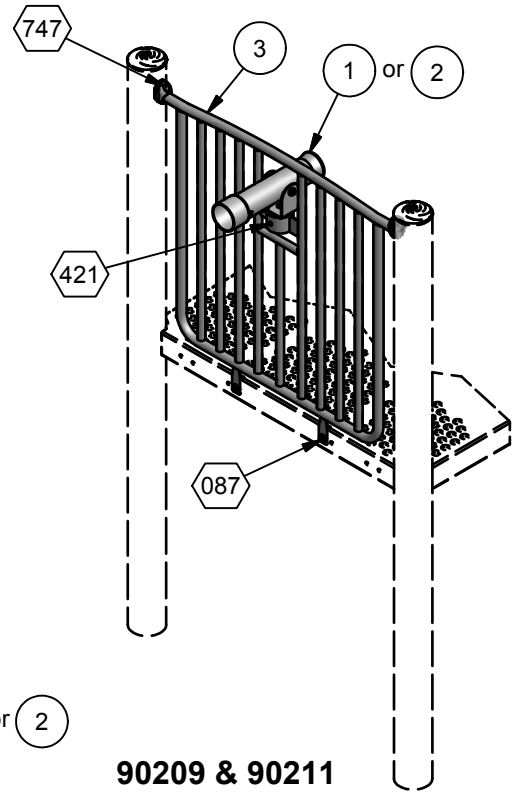

90209 & 90211
UP TO 5'-0"

90210 & 90212
4'-0" TO 5'-0"

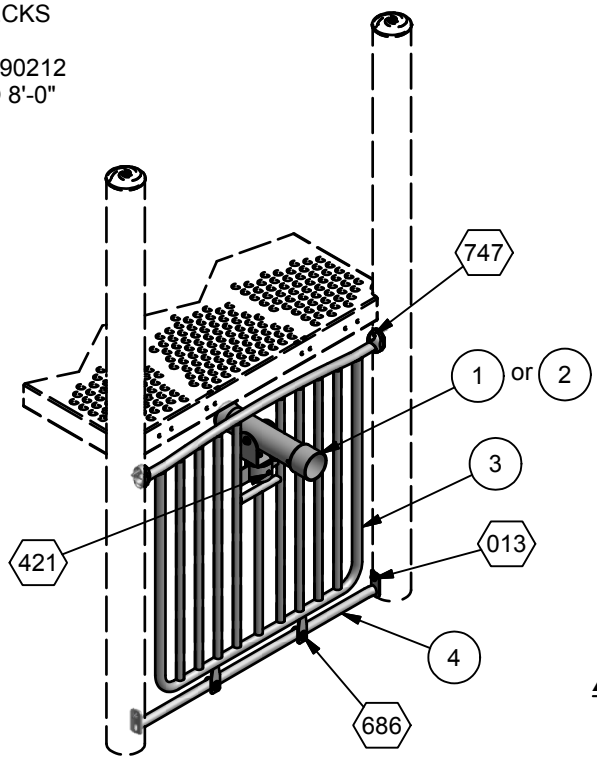



90209 & 90211
ALL DECKS

90210 & 90212
4'-0" TO 8'-0"

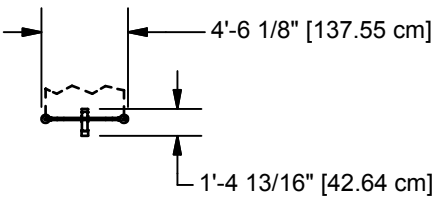



**90209 & 90211**




**90210 & 90212**

## *ASSEMBLY DRAWINGS*




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

| Parts List | | | | | | |
|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 90209 | 90210 | 90211 | 90212 | PART NUMBER |
| 1 | TELESCOPE ASSEBLY | 0 | 0 | 1 | 1 | 166988 |
| 2 | KALEIDOSCOPE ASSEMBLY | 1 | 1 | 0 | 0 | 167016 |
| 3 | ENCLOSURE PANEL | 1 | 1 | 1 | 1 | 203893 |
| | TRU-LOC | 2 | 2 | 2 | 2 | A03650 |
| 4 | MOUNTING PIPE | 0 | 1 | 0 | 1 | 203900 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 1 | 0 | 203903 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 1 | 203904 |
| | ALUM. PIN | 2 | 2 | 2 | 2 | 203568* |
| | 1/4" x 3/4" B.H.C.S. | 2 | 2 | 2 | 2 | 811010* |
| | 1/4" LOCK WASHER | 2 | 2 | 2 | 2 | 817326* |
| | 1/4" HEX NUT | 2 | 2 | 2 | 2 | 804351* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 0 | 2 | 0 | 812052* |
| | 3/8" x 1 1/4" P.B.H.C.S w/PATCH | 0 | 2 | 0 | 2 | 812051* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 0 | 2 | 0 | 2 | 812053* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 812055* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 2 | 2 | 817424* |
| | 3/8" LOCKWASHER | 4 | 6 | 4 | 6 | 817334* |
| | 3/8" T-NUT | 2 | 2 | 2 | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

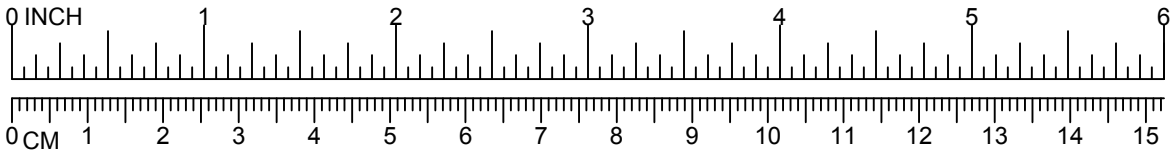
# DETAILS -for-
# 90209, 90210, 90211 & 90212

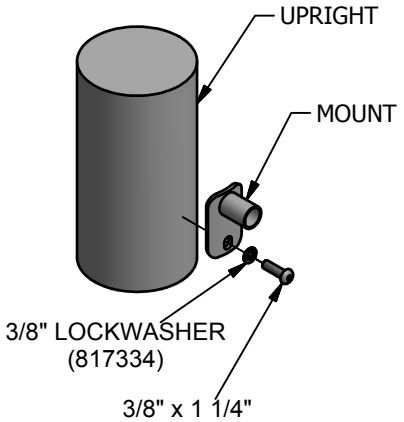
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

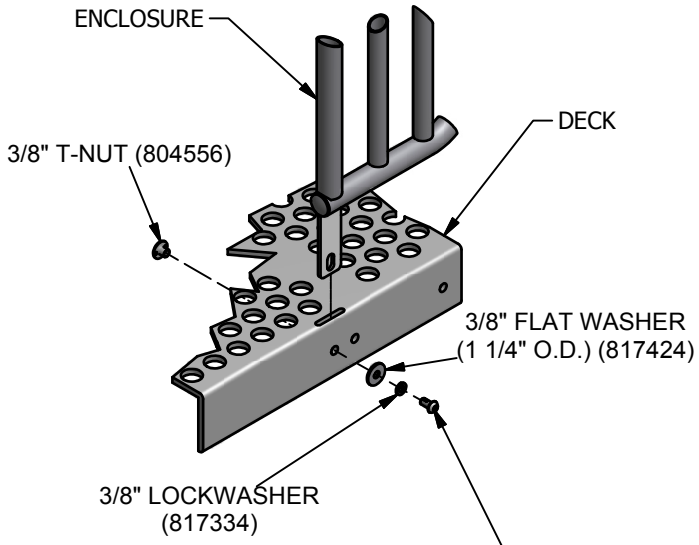
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

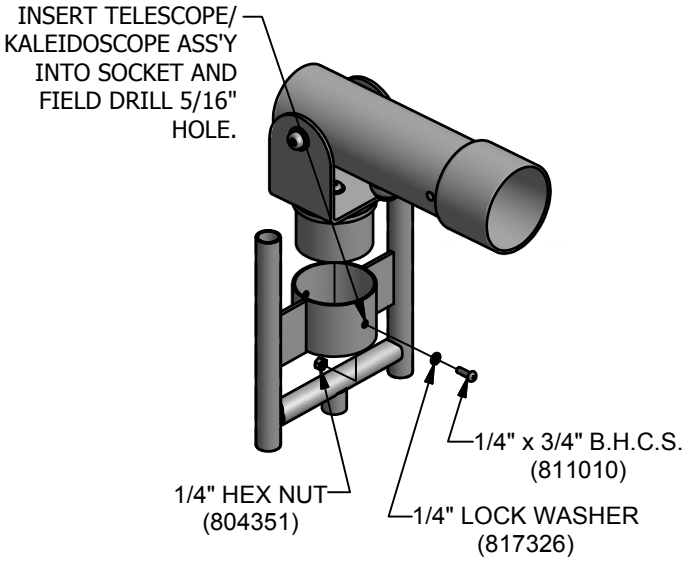


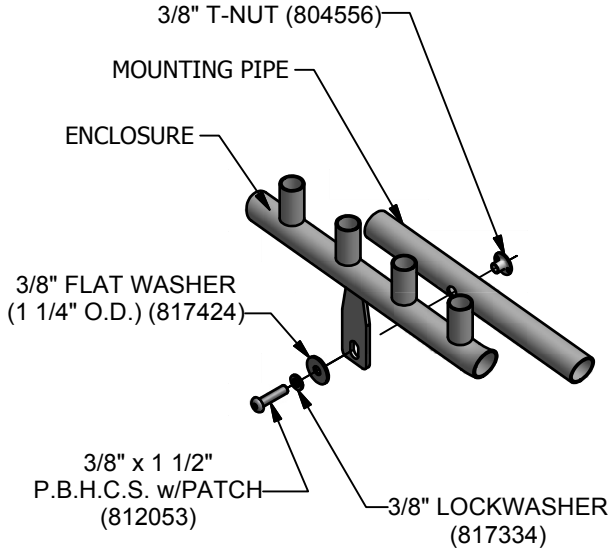

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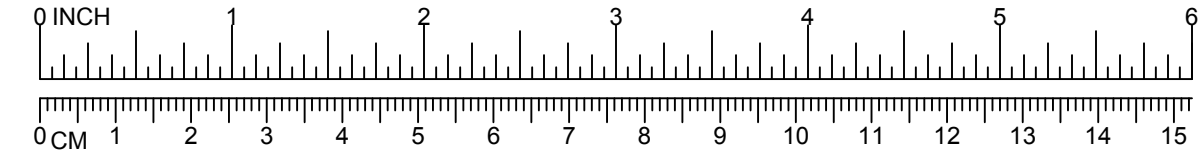
# DETAILS -for-
# 90209, 90210, 90211 & 90212

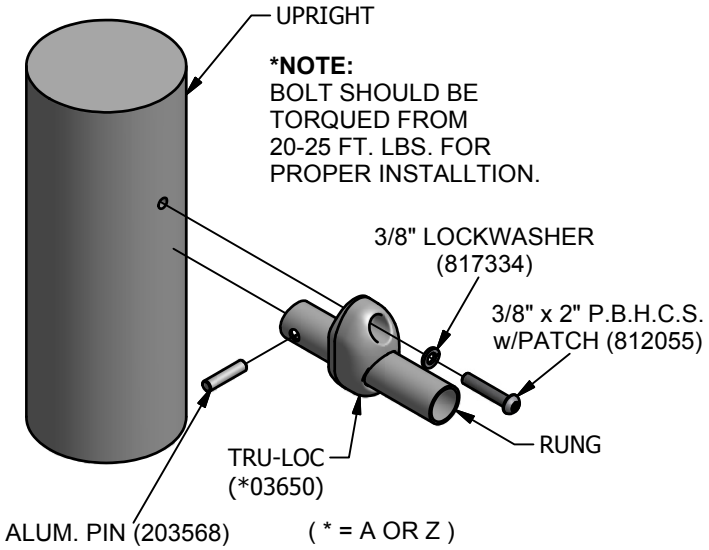
*IMPORTANT*

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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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ISSUED/REVISED: 12/12/18

# 90211 RUNG ENCLOSURE (BARRIER)

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

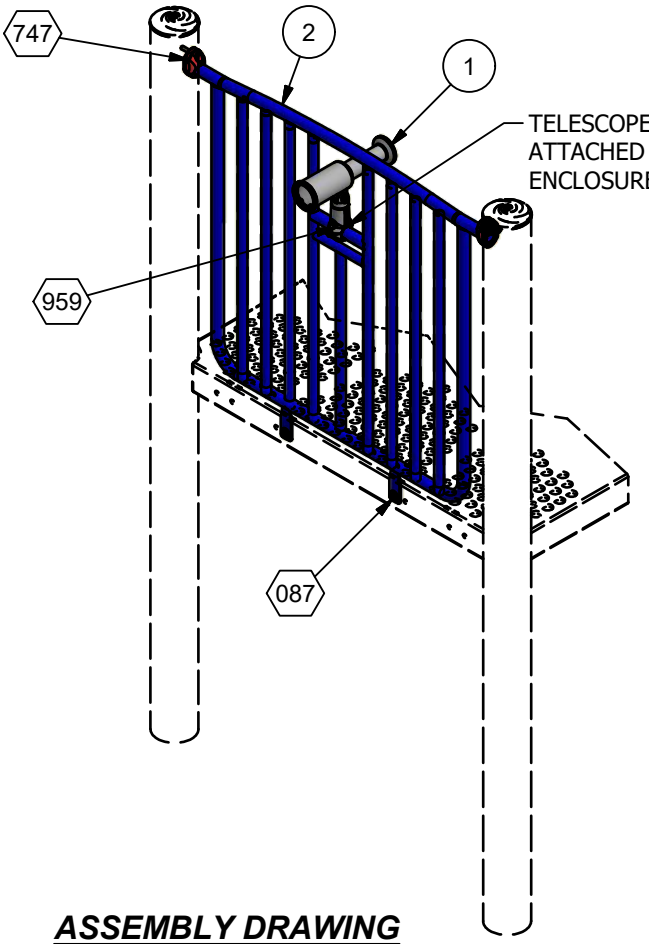



UP TO 5'-0"




ALL DECKS

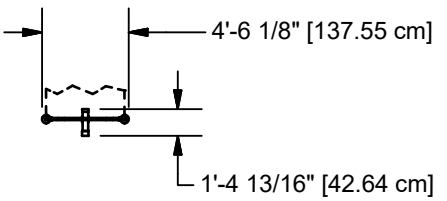
## w/ TELESCOPE (ABOVE DECK) 90211




***ASSEMBLY DRAWING***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | TELESCOPE ASS'Y | 1 | 314712 |
| 2 | ENCLOSURE PANEL | 1 | 216264 |
| | TELESCOPE SWIVEL CASTING | 1 | 314703 |
| | TELESCOPE HALF CLAMP CASTING | 2 | 314705 |
| | TRU-LOC | 2 | A03650 |
| | HARDWARE COMPLETE | 1 | 216312 |
| | 3/8" T-NUT | 2 | 804556* |
| | 3/8" LOCK WASHER | 6 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | ALUM. PIN | 2 | 203568* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 1 | 812050* |
| | 3/8" FLAT WASHER | 3 | 817410* |
| | 1/2" FLAT WASHER | 1 | 817412* |
| | 3/8" BARREL NUT | 2 | 804804* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 1 | 812053* |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

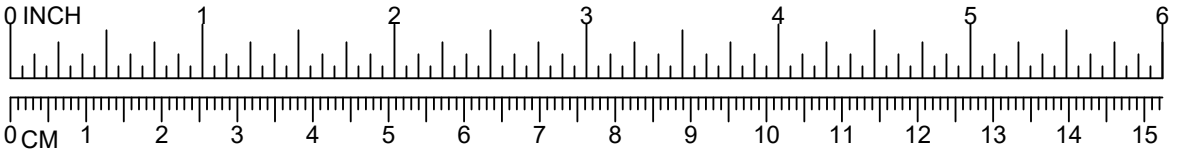
# DETAILS -for-
# 90211

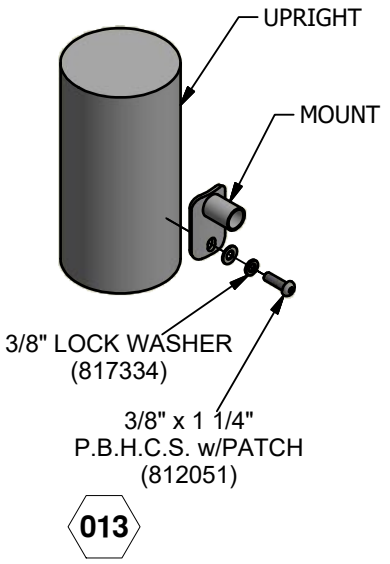
**I**MPORTANT

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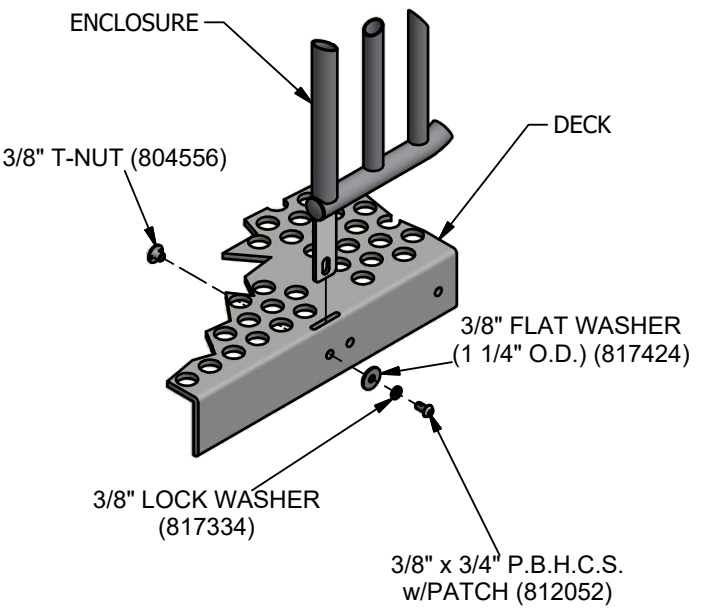
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




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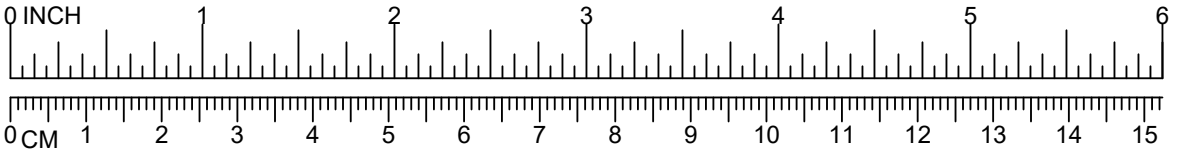
# DETAILS -for-
# 90211

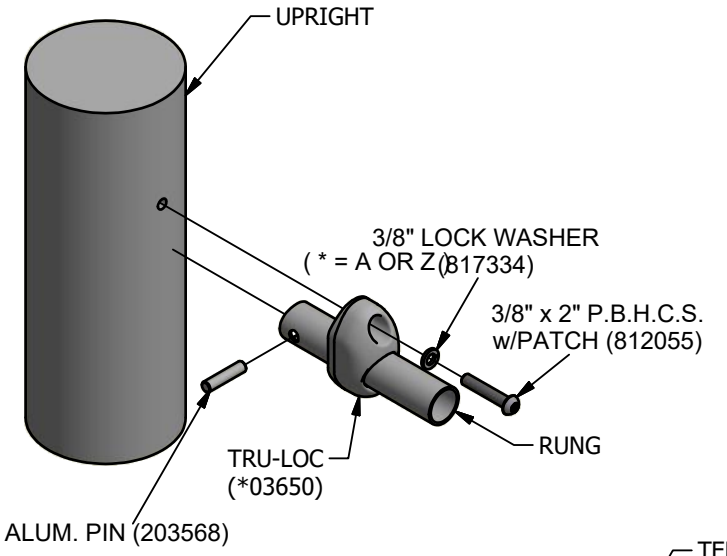
**I**MPORTANT

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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

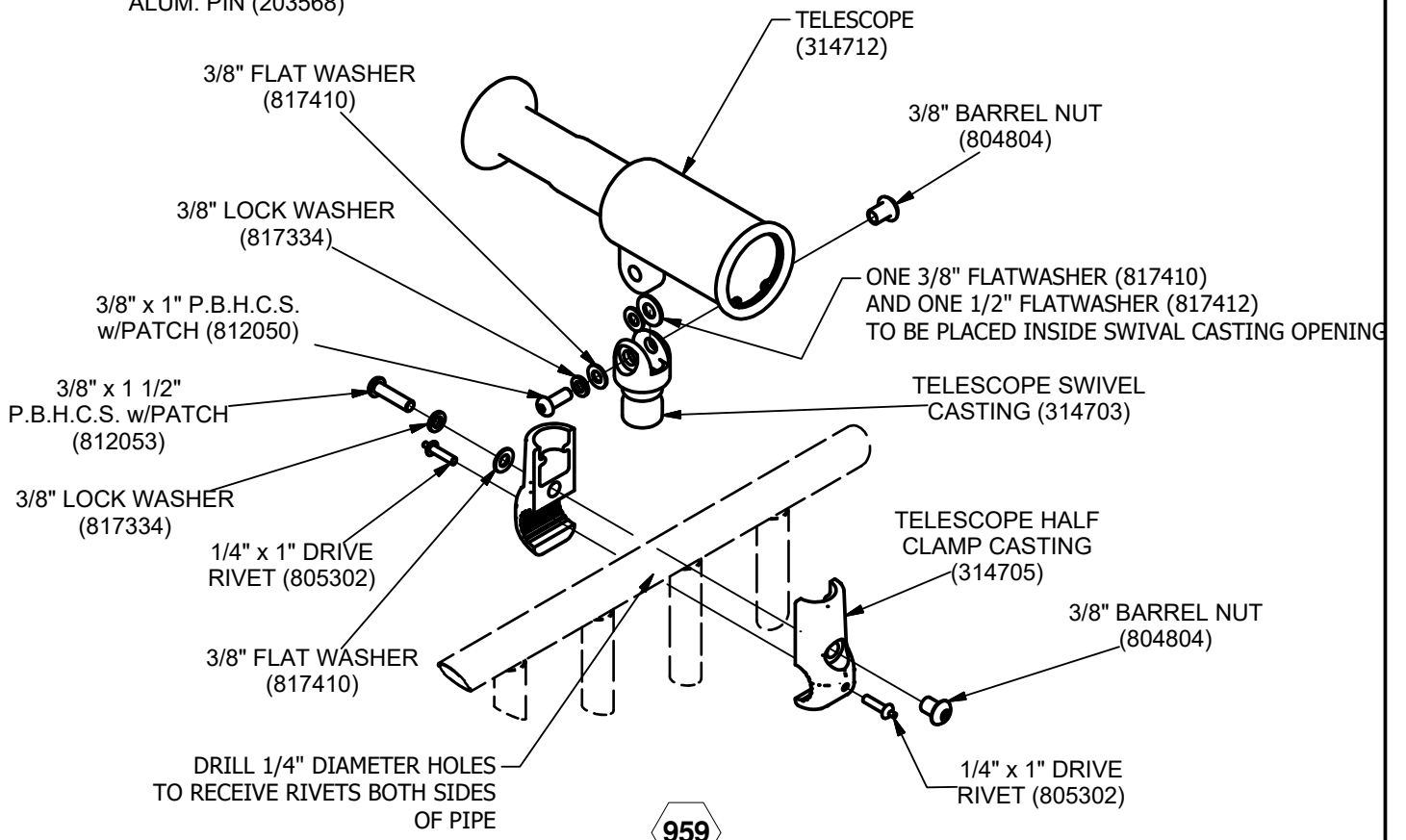
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




***NOTE:**
BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLTION.

**747**




**959**

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1-800-235-2440

ISSUED/REVISED: 11/19/20

# 90355

# STORE WINDOW PANEL

= INSTALLATION DETAIL

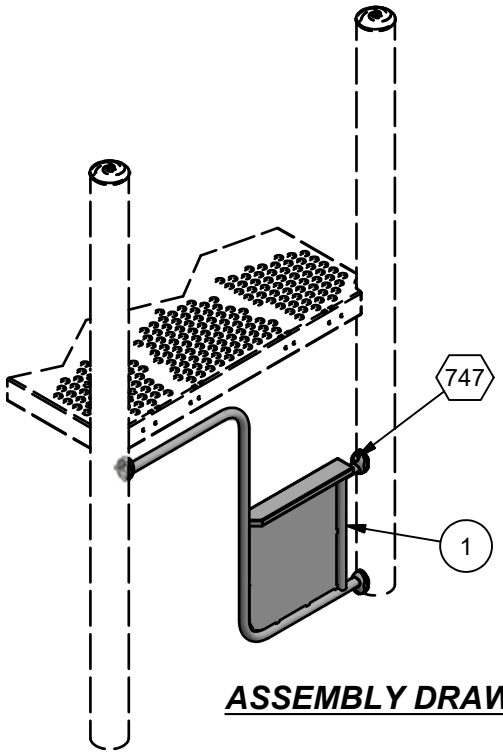
= PARTS LIST REFERENCE




4'-0" to 5'-0"



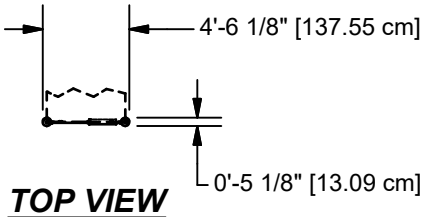

5'-6" to 8'-0"




***ASSEMBLY DRAWING***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCITONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | STORE WINDOW ASS'Y | 1 | 203930 |
| | TRU-LOC | 3 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 203936 |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 3 | 812055* |
| | 3/8" LOCK WASHER | 3 | 817334* |
| | ALUM. PIN | 3 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

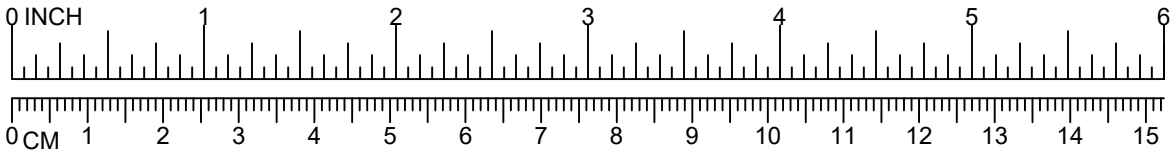
# DETAILS -for-
# 90355

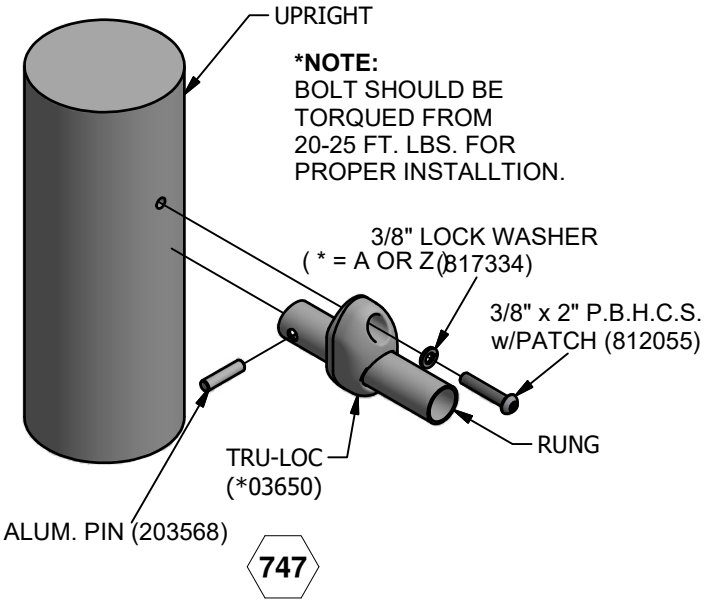
*IMPORTANT*

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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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ISSUED/REVISED: 4/24/20

# 90494

# CASTLE WINDOW PANEL

⬡ = INSTALLATION DETAIL

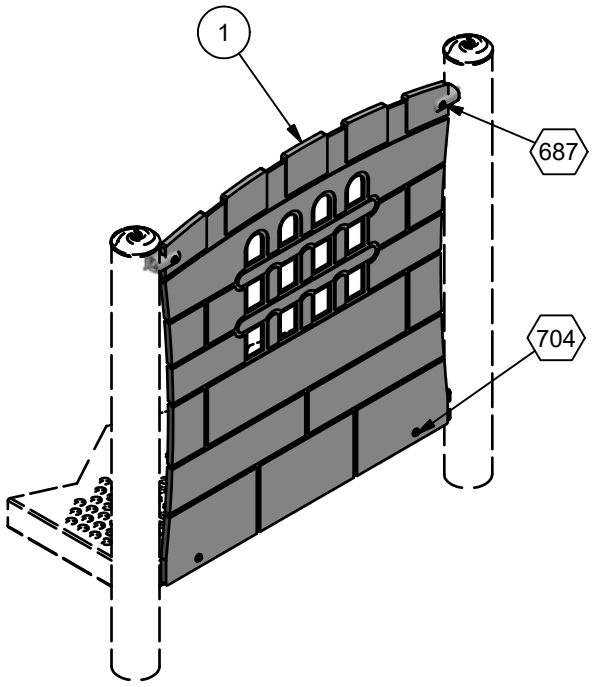
◯ = PARTS LIST REFERENCE



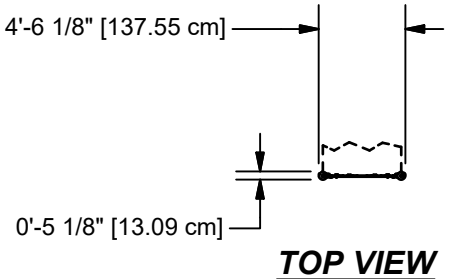

UP TO 5'-0" DECK HEIGHTS




ALL DECK HEIGHTS




***ASSEMBLY DRAWING***




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| | CASTLE WINDOW PANEL | 1 | 204388 |
| | TRU-LOC PANEL ATTACHMENT | 2 | K03861 |
| | ***HARDWARE COMPLETE*** | 1 | 204370 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 812050* |
| | 3/8" x 1 3/4" HEX HEAD BOLT | 2 | 801006* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" FLAT WASHER | 2 | 817410* |
| | 3/8" LOCK WASHER | 6 | 817334* |
| | 3/8" HEX NUT | 2 | 804053* |
| | 3/8" T-NUT | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

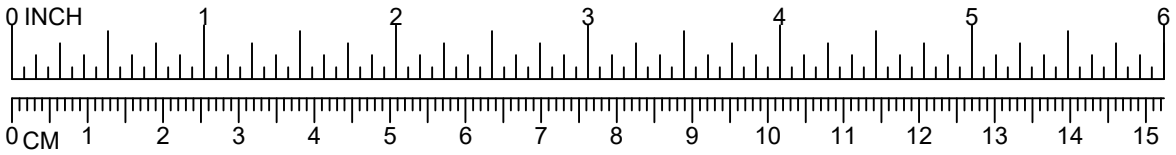
# DETAILS -for-
# 90494

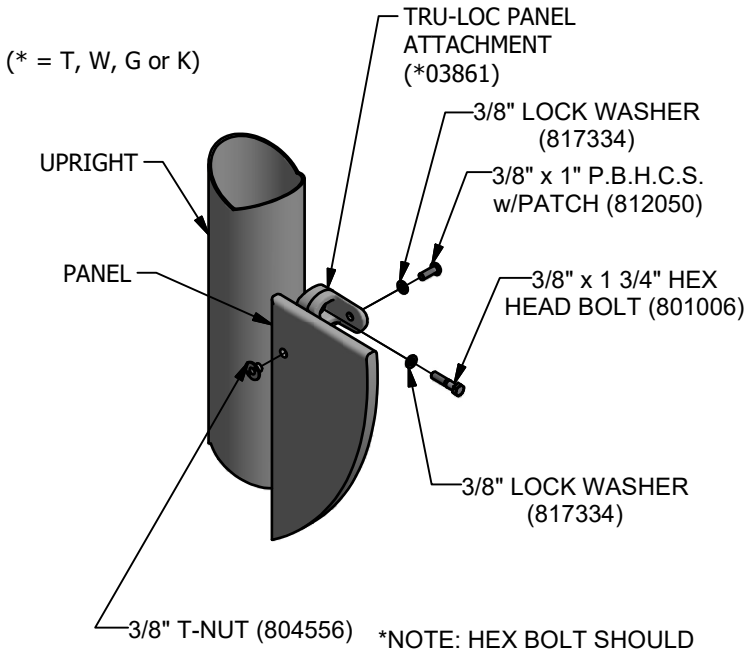
**IMPORTANT**

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

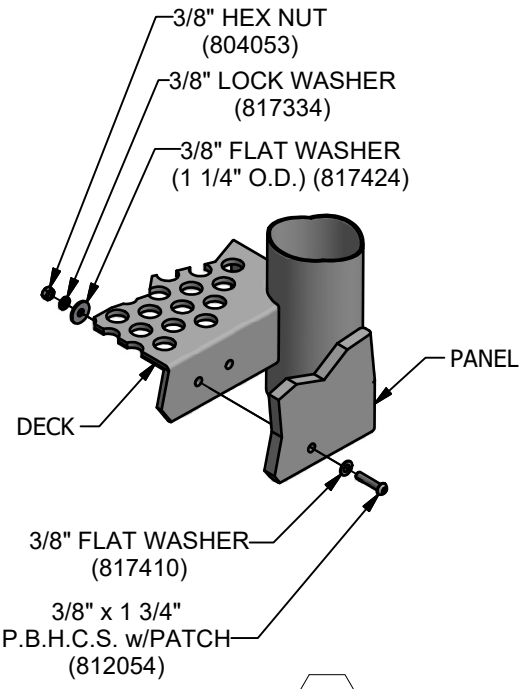
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




*NOTE: HEX BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

687




704

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ISSUED/REVISED: 8/28/2014

# 90530

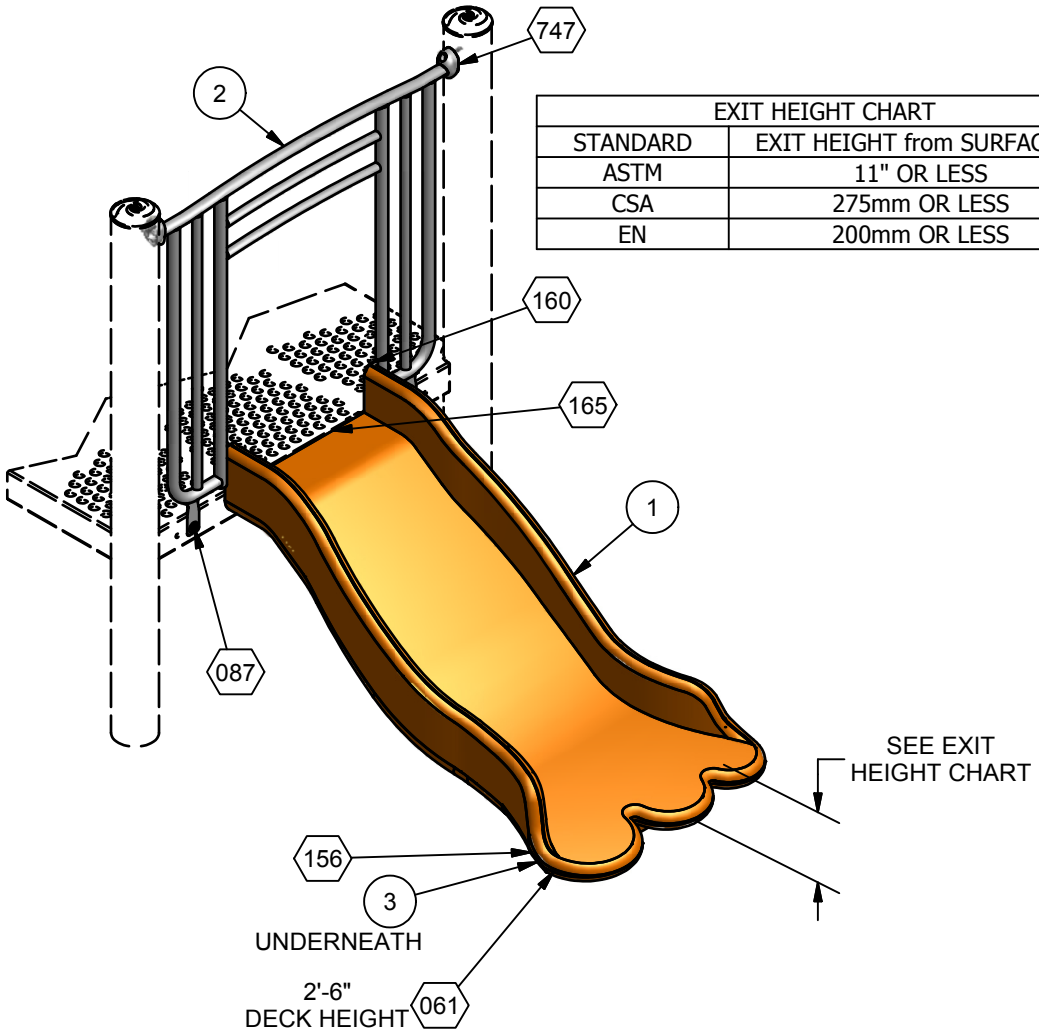
# LITTLE FOOT SLIDE

= INSTALLATION DETAIL

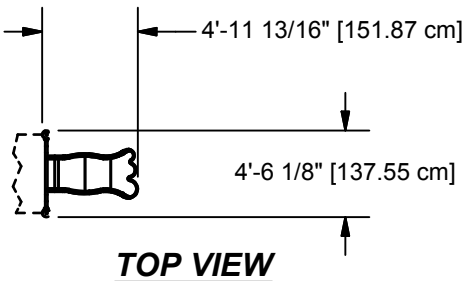
= PARTS LIST REFERENCE




| EXIT HEIGHT CHART | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |



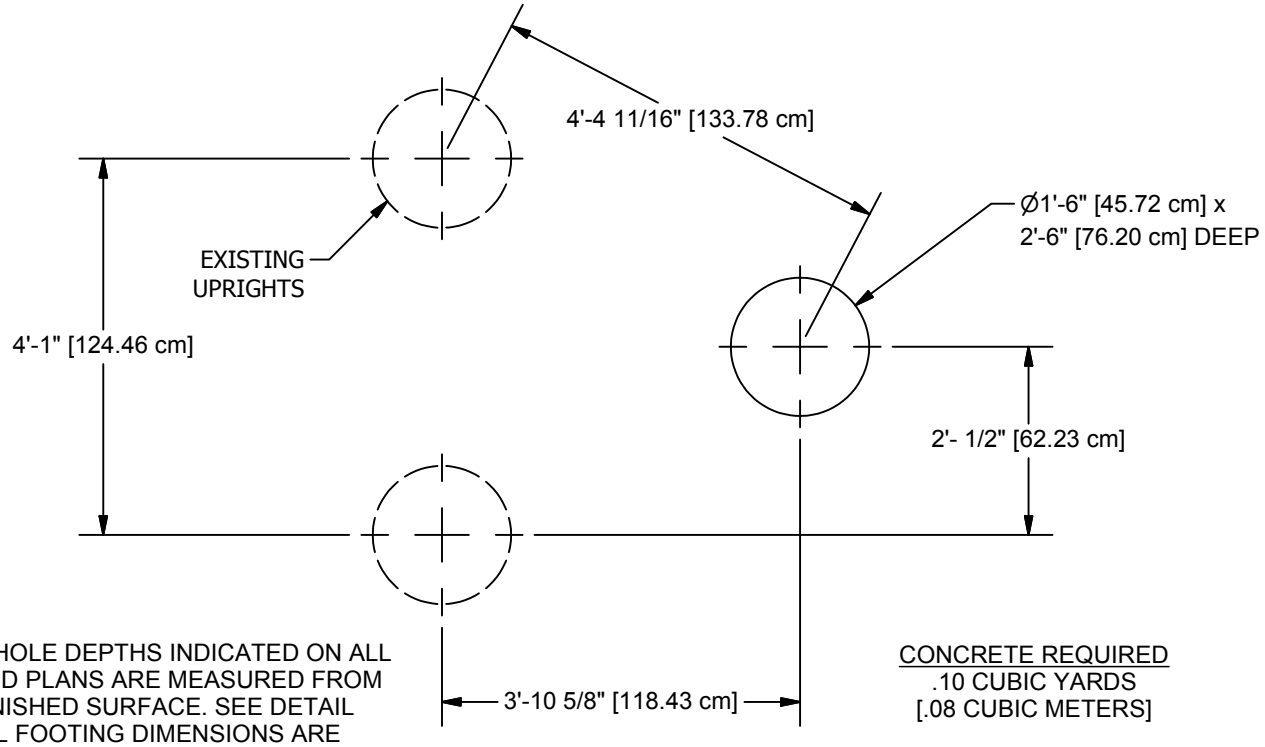

***ASSEMBLY DRAWING***




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
.10 CUBIC YARDS
[.08 CUBIC METERS]

## ***GROUND PLAN***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | LITTLE FOOT SLIDE | 1 | 158300 |
| 2 | METAL ENCLOSURE WELD ASS'Y | 1 | 204555 |
| 3 | FOOTBUCK | 1 | 154333 |
| | TRU-LOC | 2 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 204571 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 812053* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| | 3/8" x 2" HEX HEAD | 2 | 801009* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 817424* |
| | 3/8" FLAT WASHER | 2 | 817410* |
| | 3/8" LOCKWASHER | 10 | 817334* |
| | 3/8" T-NUT | 2 | 804556* |
| | 3/8" HEX NUT | 2 | 804053* |
| | 6" EXTENSION | 2 | 158359* |
| | ALUM. PIN | 2 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

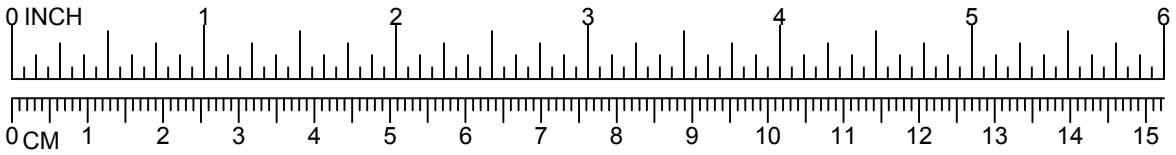
# DETAILS -for-
# 90530

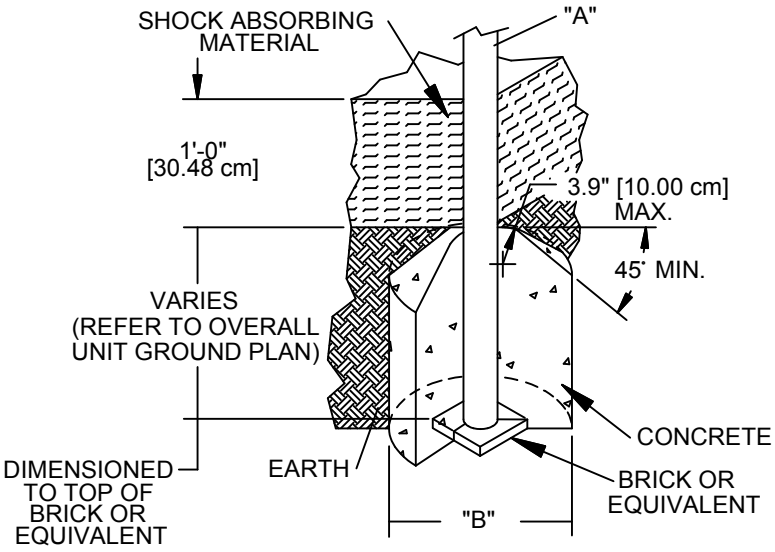
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



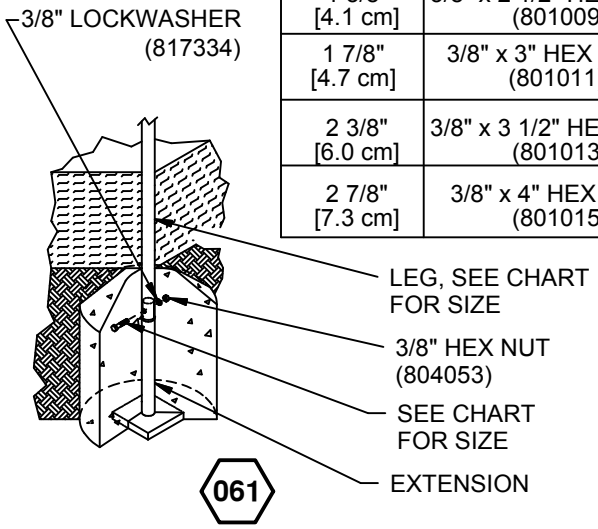

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

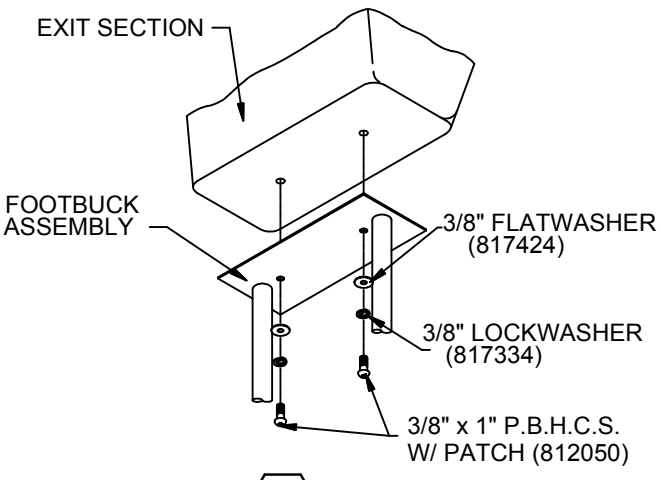
032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [4.7 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |
| 2 7/8" [7.3 cm] | 3/8" x 4" HEX HEAD (801015) |




061




156

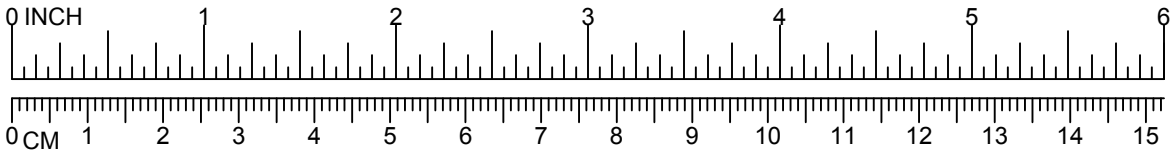
# DETAILS -for-
# 90530

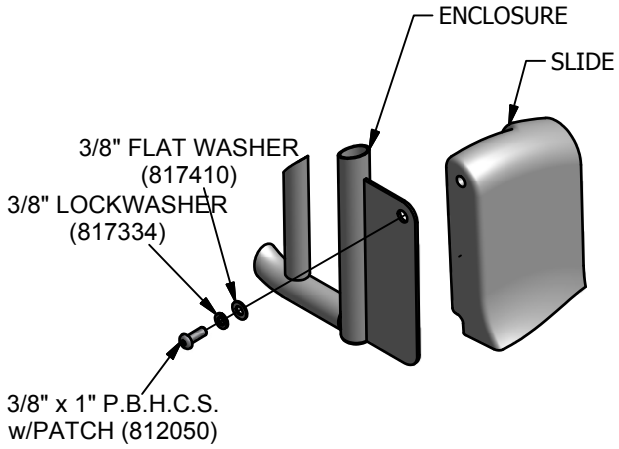
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

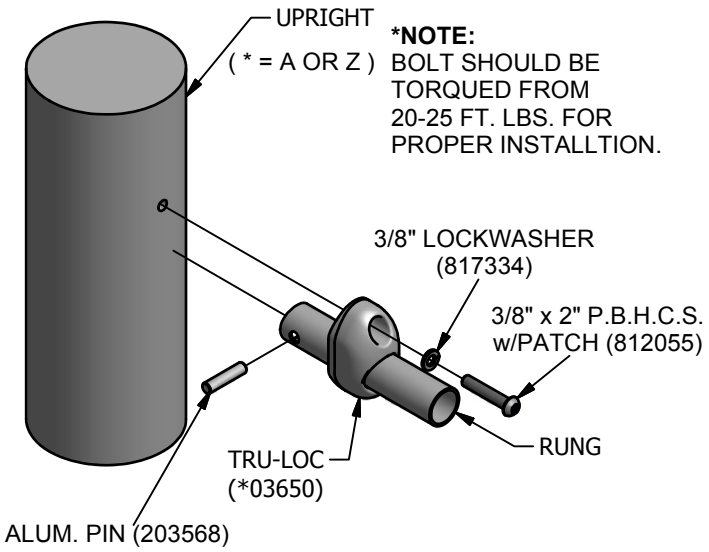
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

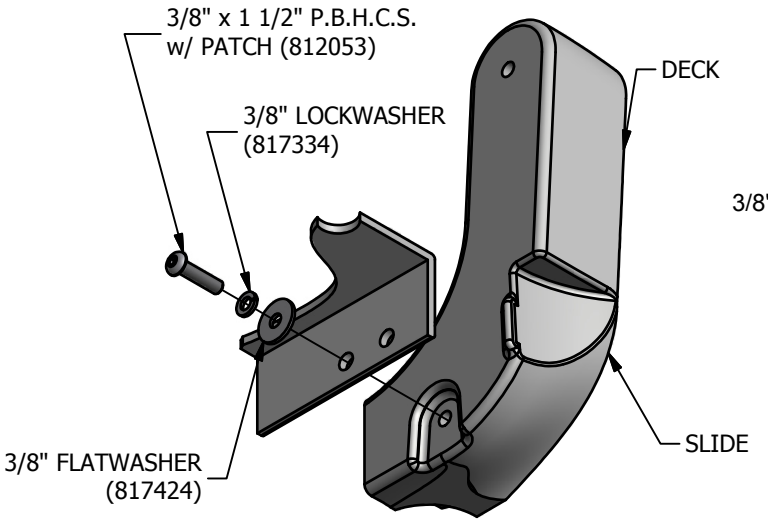


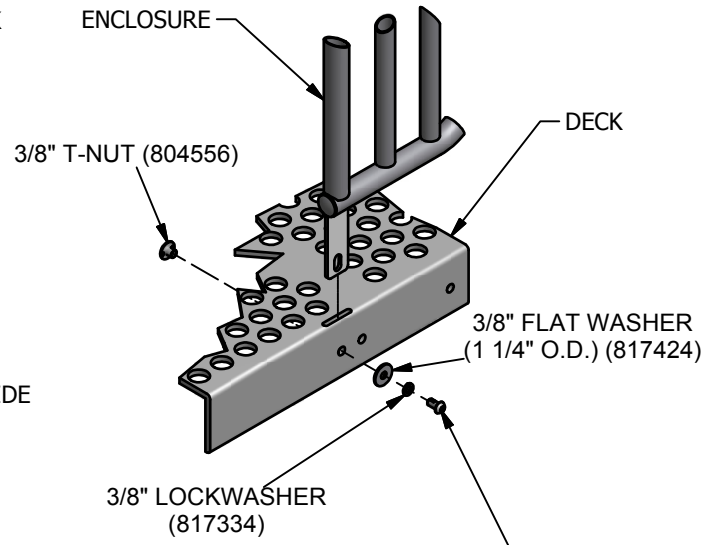

160




747




165




087

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ISSUED/REVISED: 11/12/12

# 90610

# CONTOURED SEAT PANEL

= INSTALLATION DETAIL

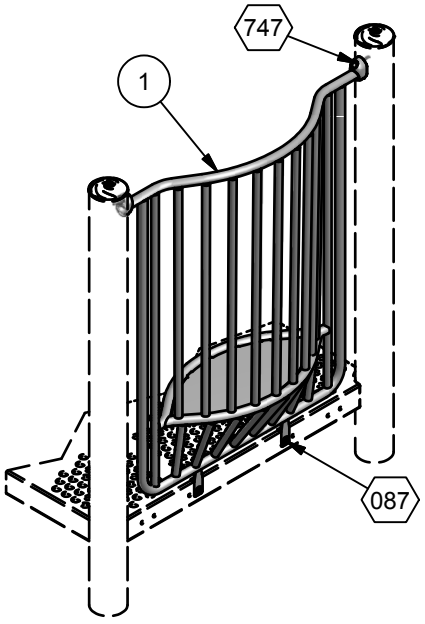
= PARTS LIST REFERENCE



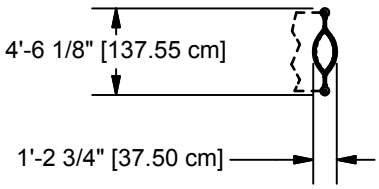

UP TO 5'-0"




UP TO 7'-0"




***ASSEMBLY DRAWING***




***TOP VIEW***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | SEAT ENCLOSURE WELD ASS'Y | 1 | 204937 |
| | TRU-LOC | 2 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 204943 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" LOCKWASHER | 4 | 817334* |
| | 3/8" T-NUT | 2 | 804556* |
| | ALUM. PIN | 2 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

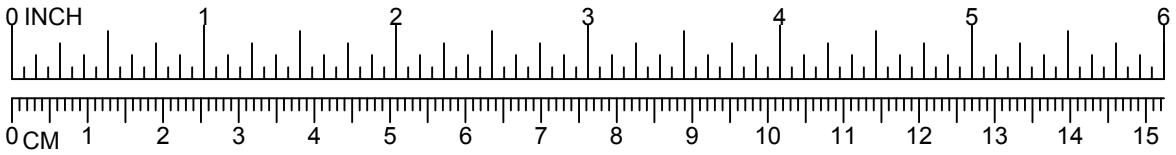
# DETAILS -for-
# 90610

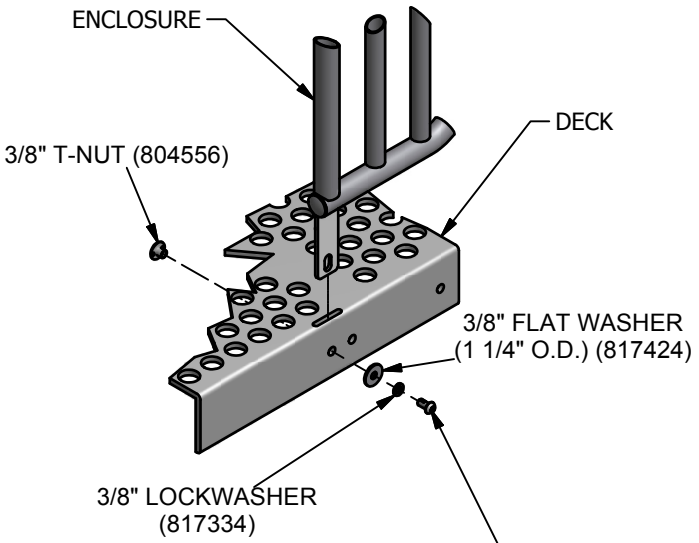
*I*MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

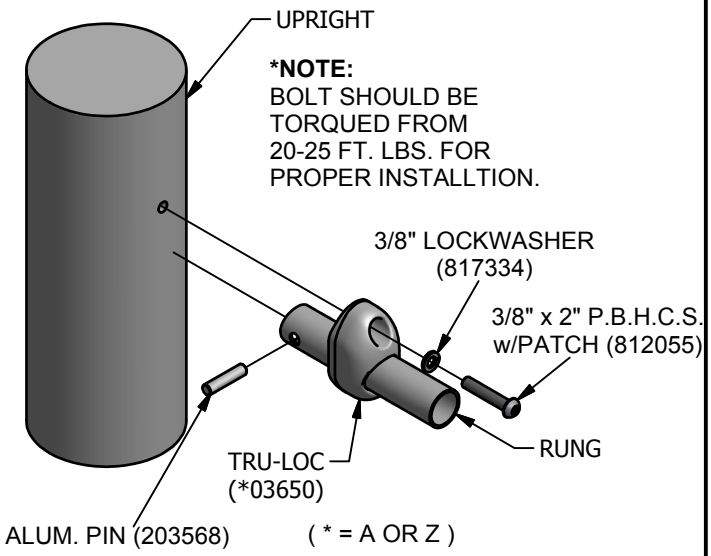
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




087




747

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ISSUED/REVISED: 11/08/2023

# 90631

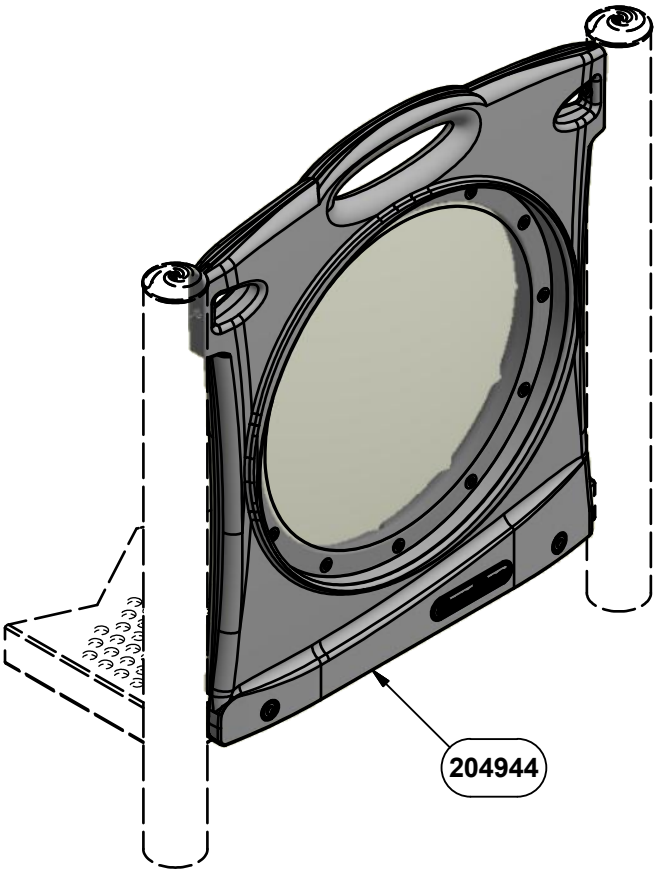
# BUBBLE PANEL




UP TO 5'-0"



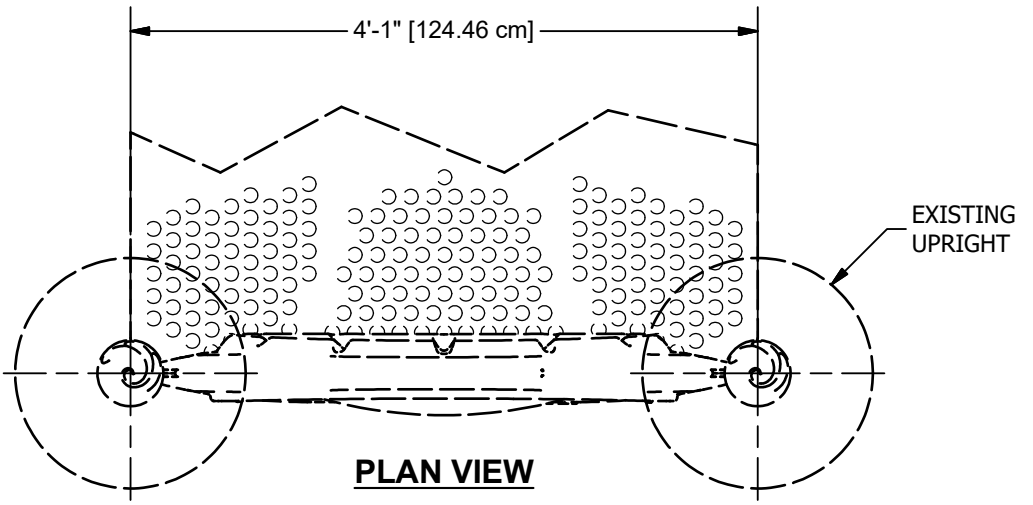

UP TO 9'-0"



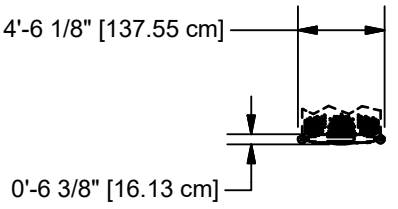

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

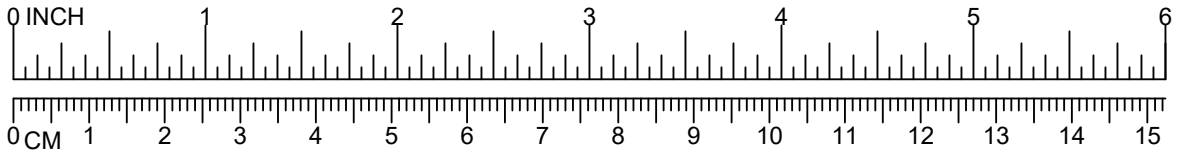
## ASSEMBLY VIEW

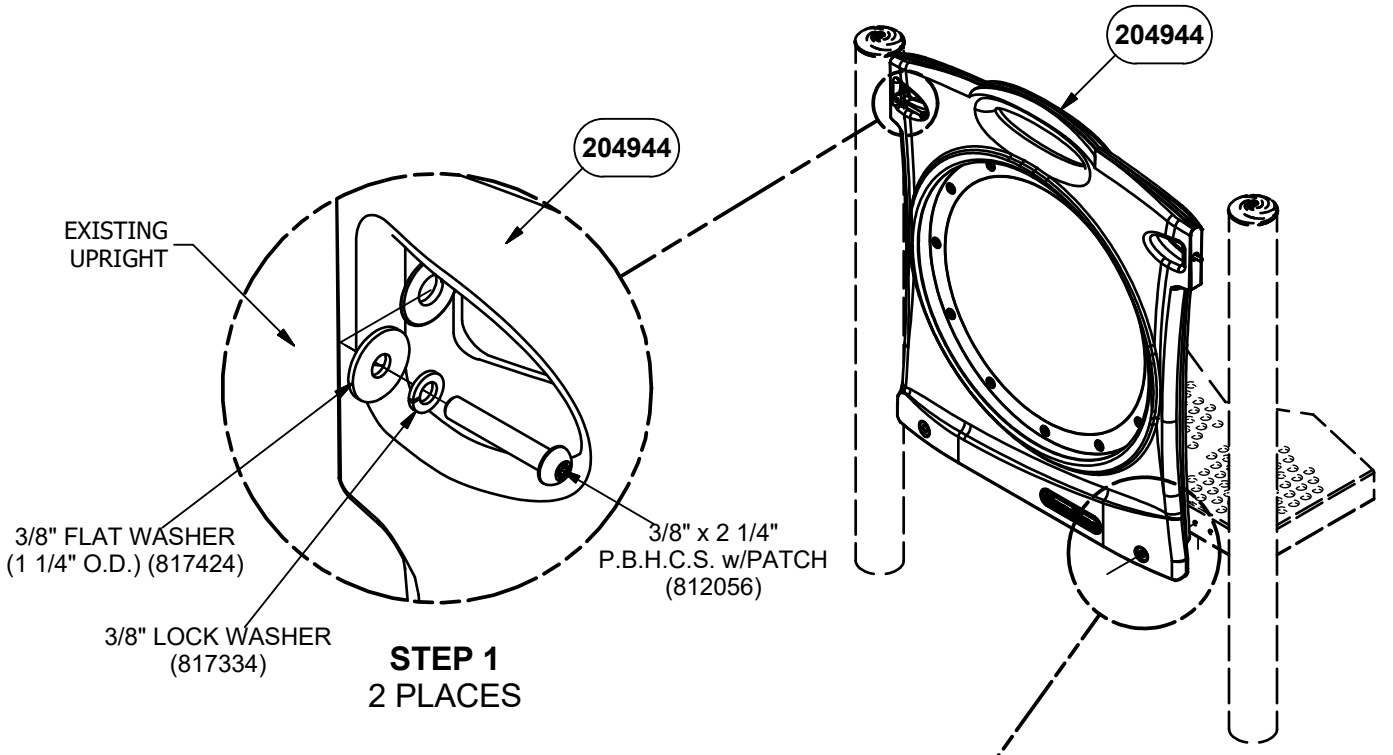



**PLAN VIEW**

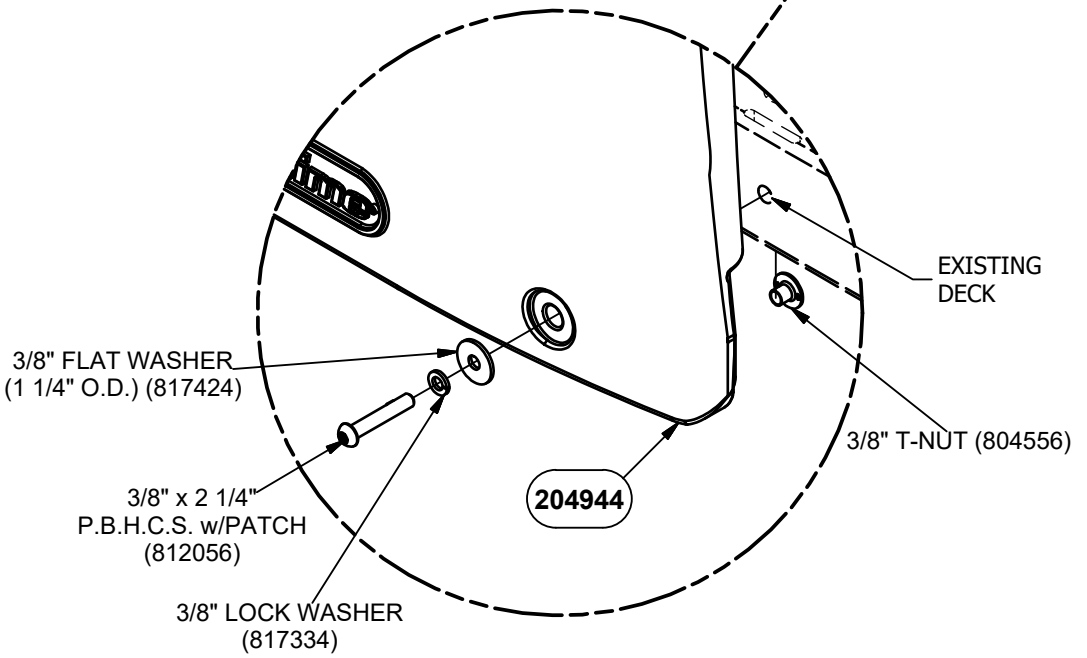



**TOP VIEW**




**STEP 1**
2 PLACES




**STEP 2**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| 30" BUBBLE PANEL ASSEMBLY | 1 | 204944 |
| ***HARDWARE COMPLETE*** | 1 | 204964 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 4 | 812056* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 3/8" LOCK WASHER | 4 | 817334* |
| 3/8" T-NUT | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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1-800-235-2440

ISSUED/REVISED: 11/17/2020

# 90666

# SPIRAL STEP CLIMBER

| | |
|---|---|
| 2'-0" & 2'-6" | 90666 |
| 3'-0" & 3'-6" | 90667 |
| 4'-0" & 4'-6" | 90668 |
| 5'-0" & 5'-6" | 90669 |
| 6'-0" | 90670 |



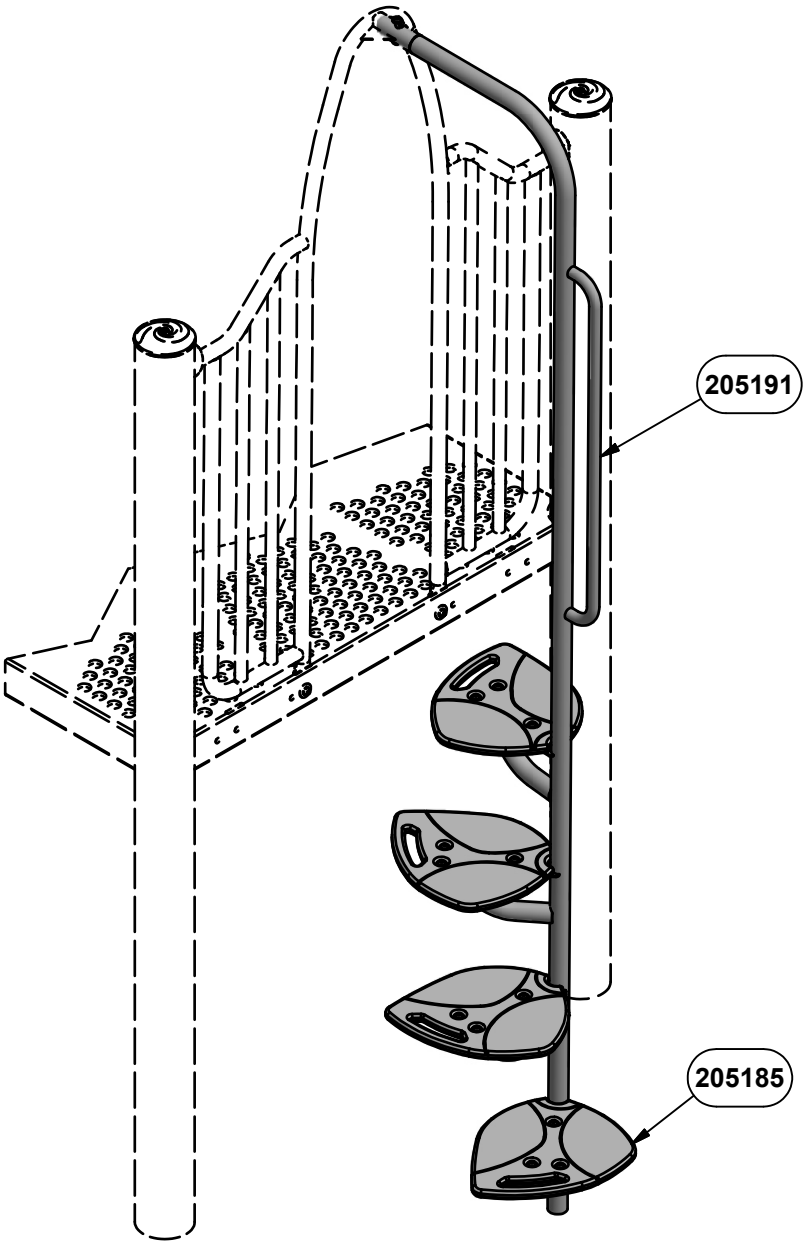

90666
90667
90668
90669 5'-0"



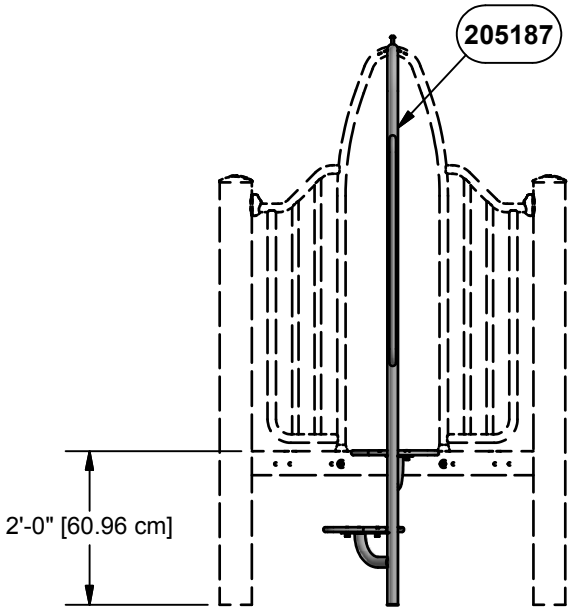

90669 5'-6"
90670

## INSTALLATION INSTRUCTIONS

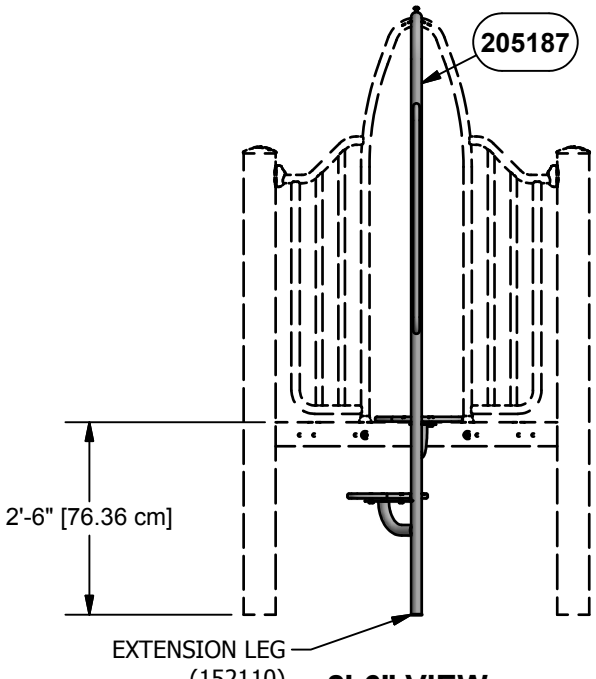
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



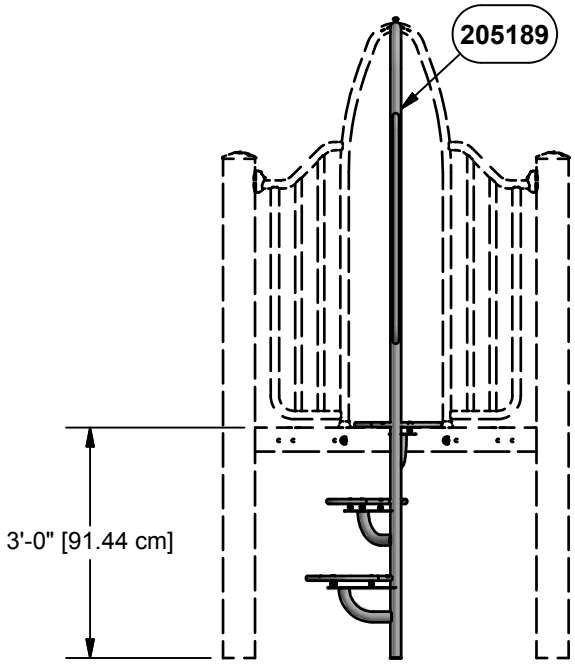

**ASSEMBLY VIEW**
90668 4'-0" SHOWN



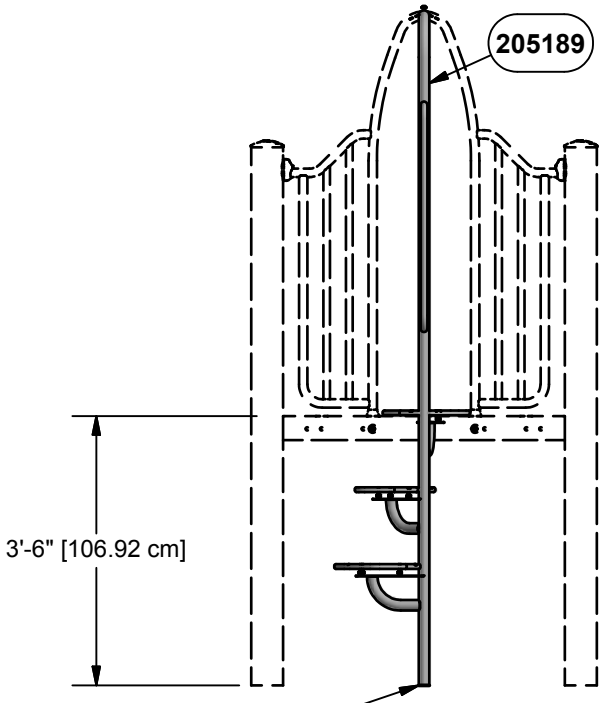

**2'-0" VIEW**
90666




**2'-6" VIEW**
90666

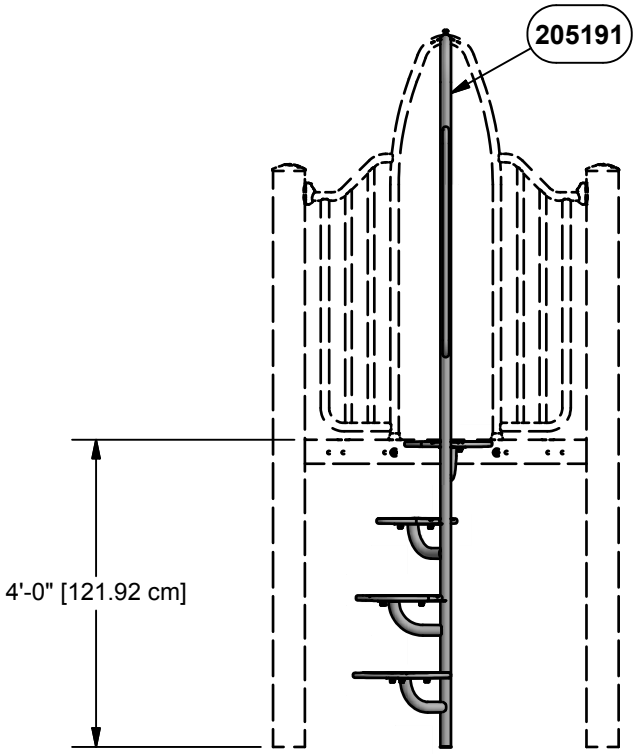



**3'-0" VIEW**
90667

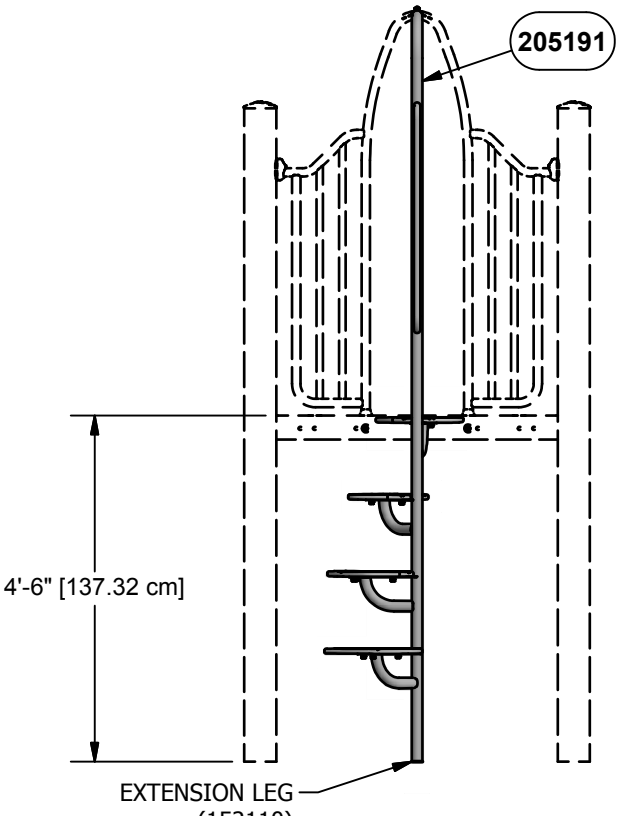



**3'-6" VIEW**
90667

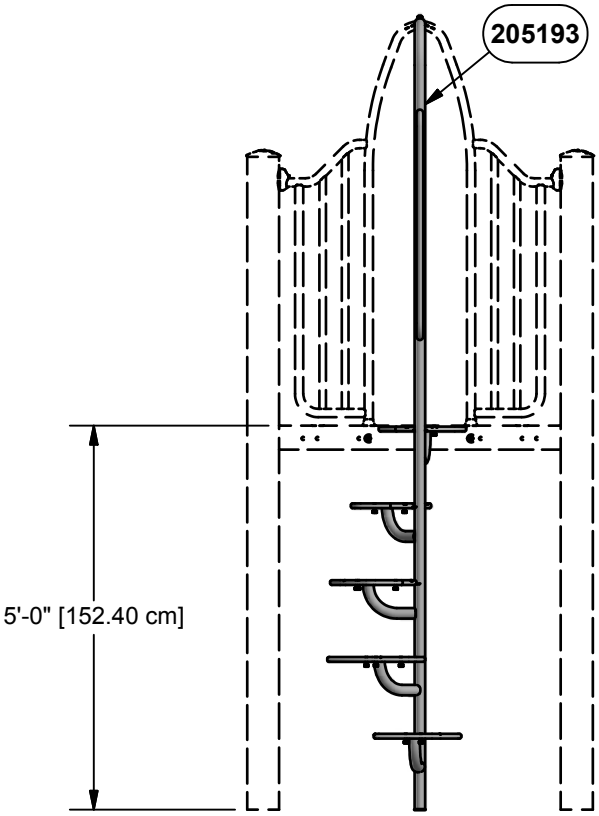
## DECK HEIGHTS ELEVATIONS



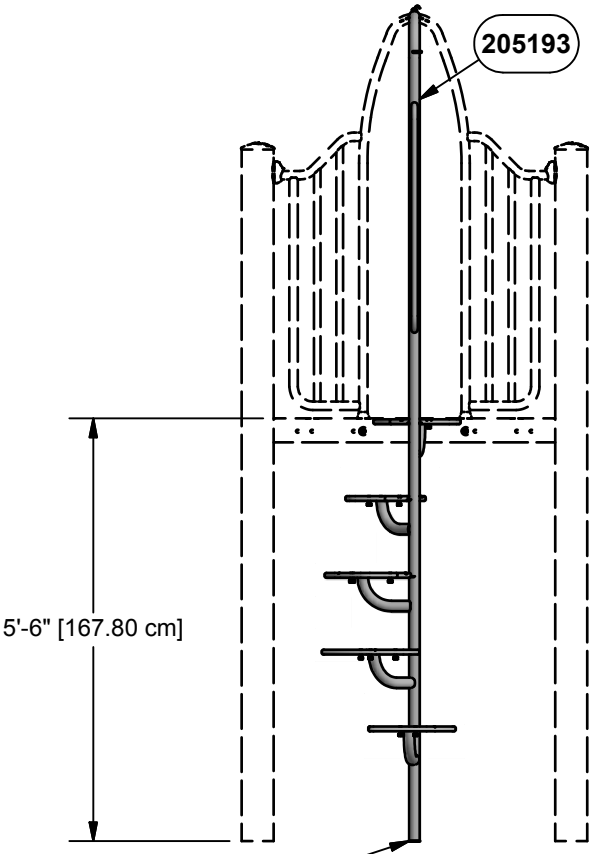

**4'-0" VIEW**
90668




**4'-6" VIEW**
90668

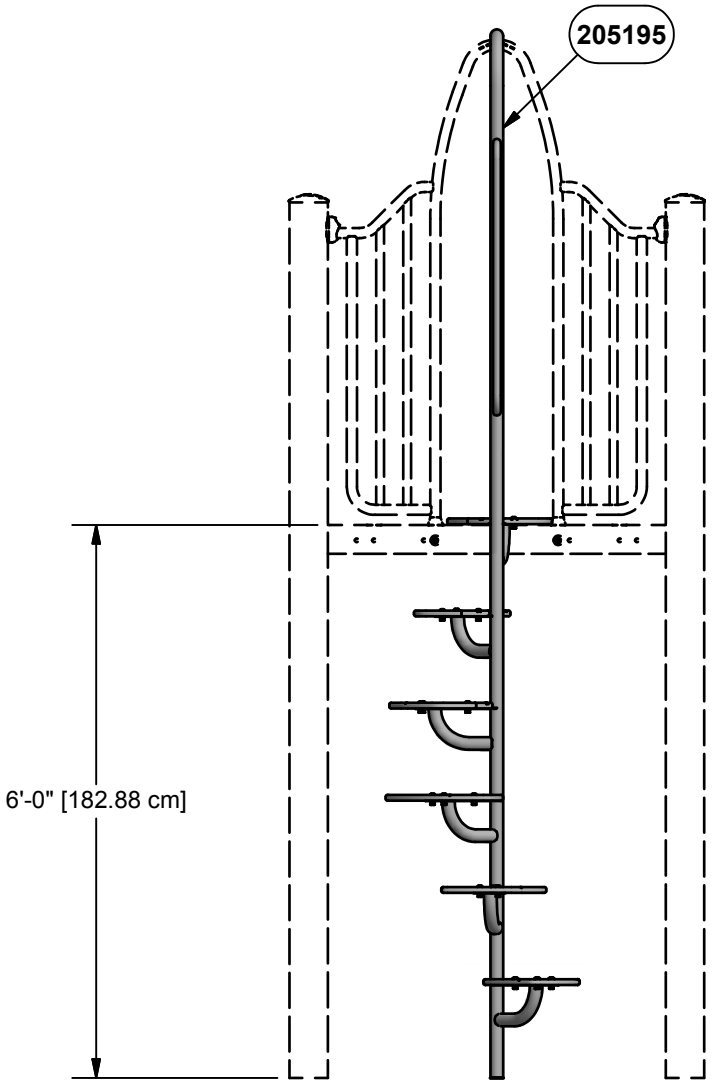



**5'-0" VIEW**
90669



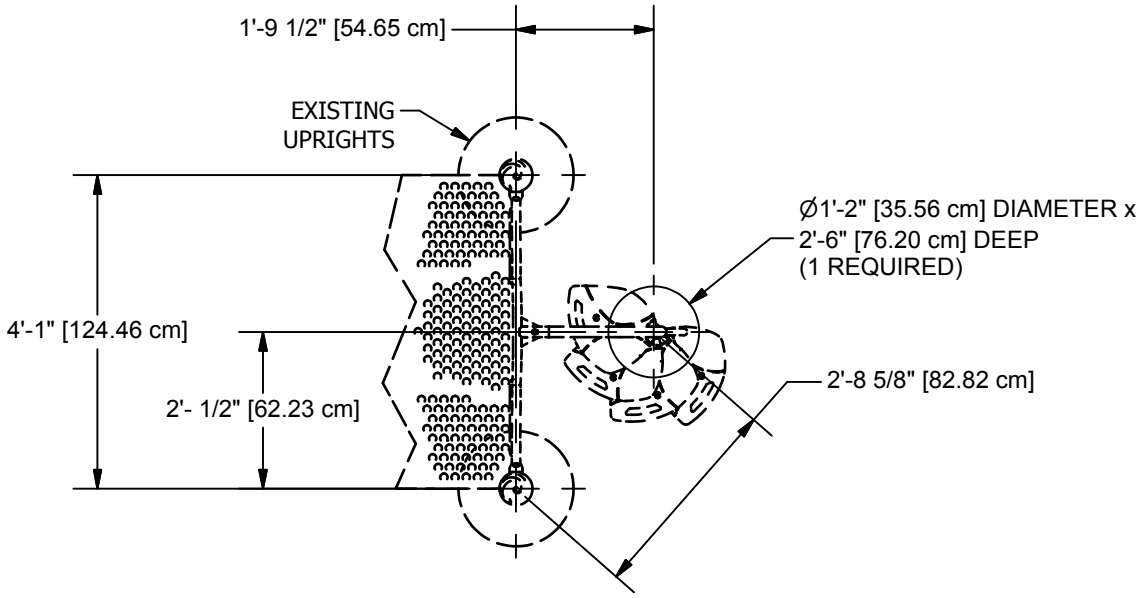

**5'-6" VIEW**
90669

## DECK HEIGHTS ELEVATIONS




**6'-0" VIEW**
90670

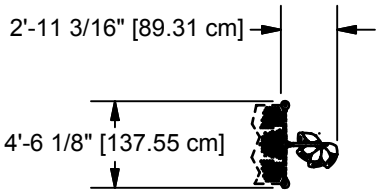
## DECK HEIGHTS
## ELEVATIONS



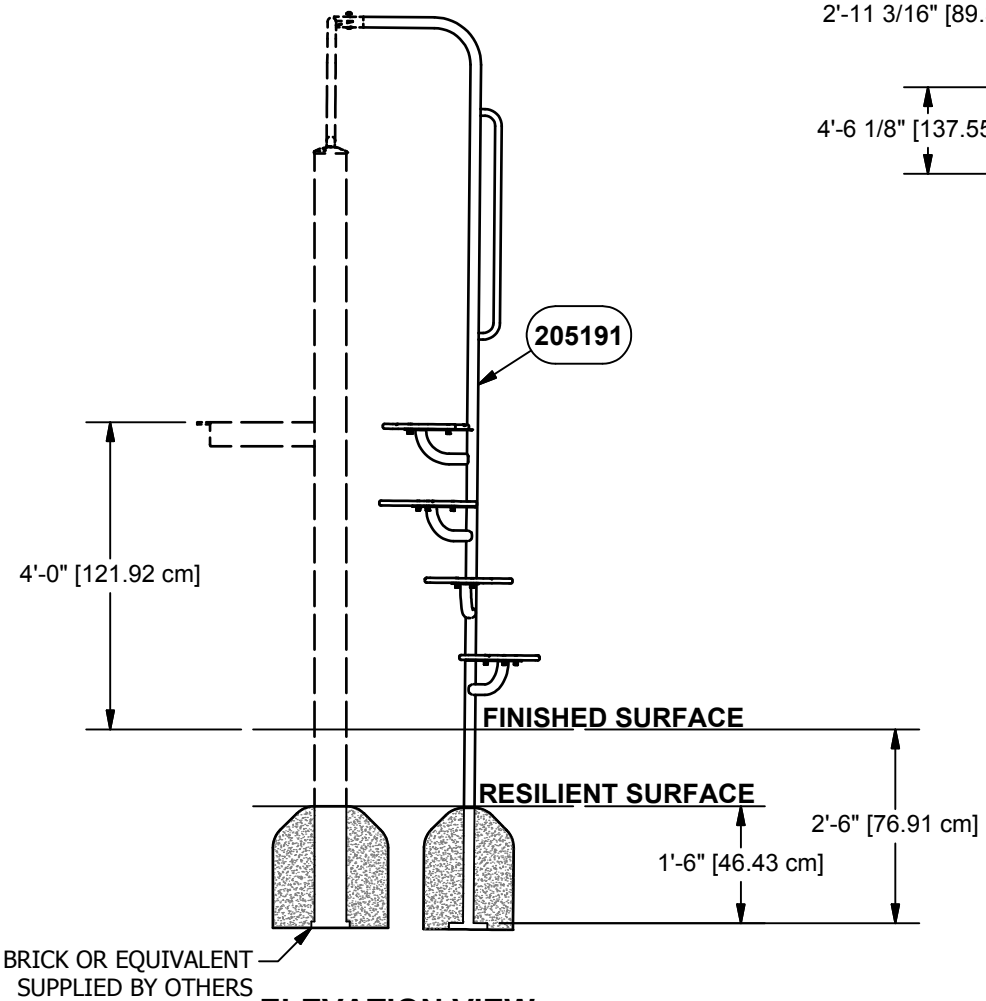

**PLAN VIEW**

**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

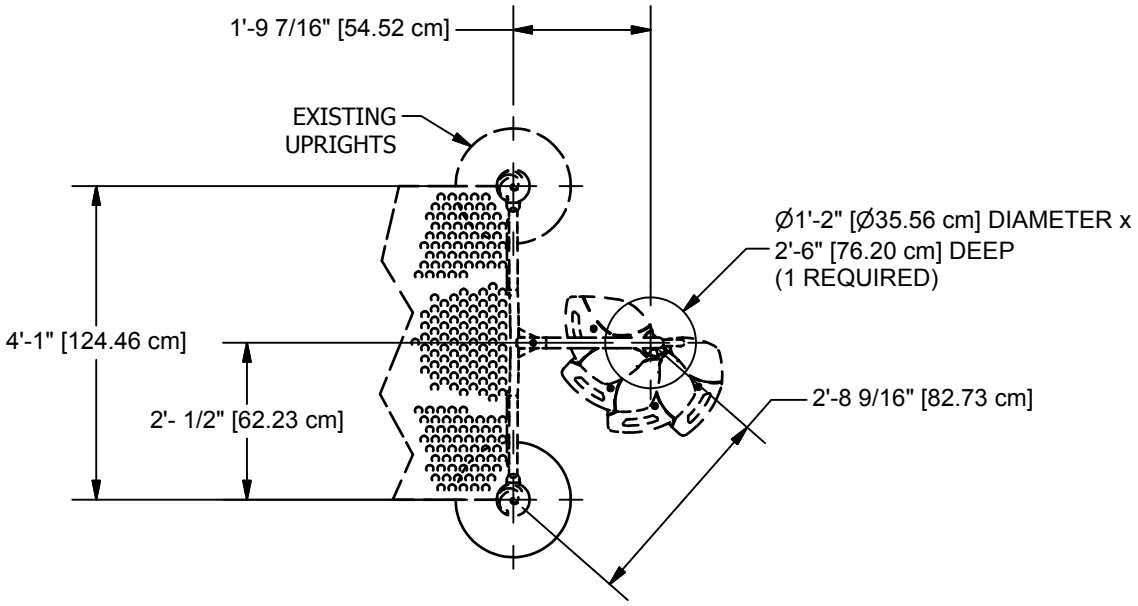
CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]




**TOP VIEW**



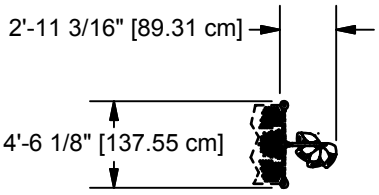

**ELEVATION VIEW**
90668 4'-0" SHOWN
OTHERS SIMILAR



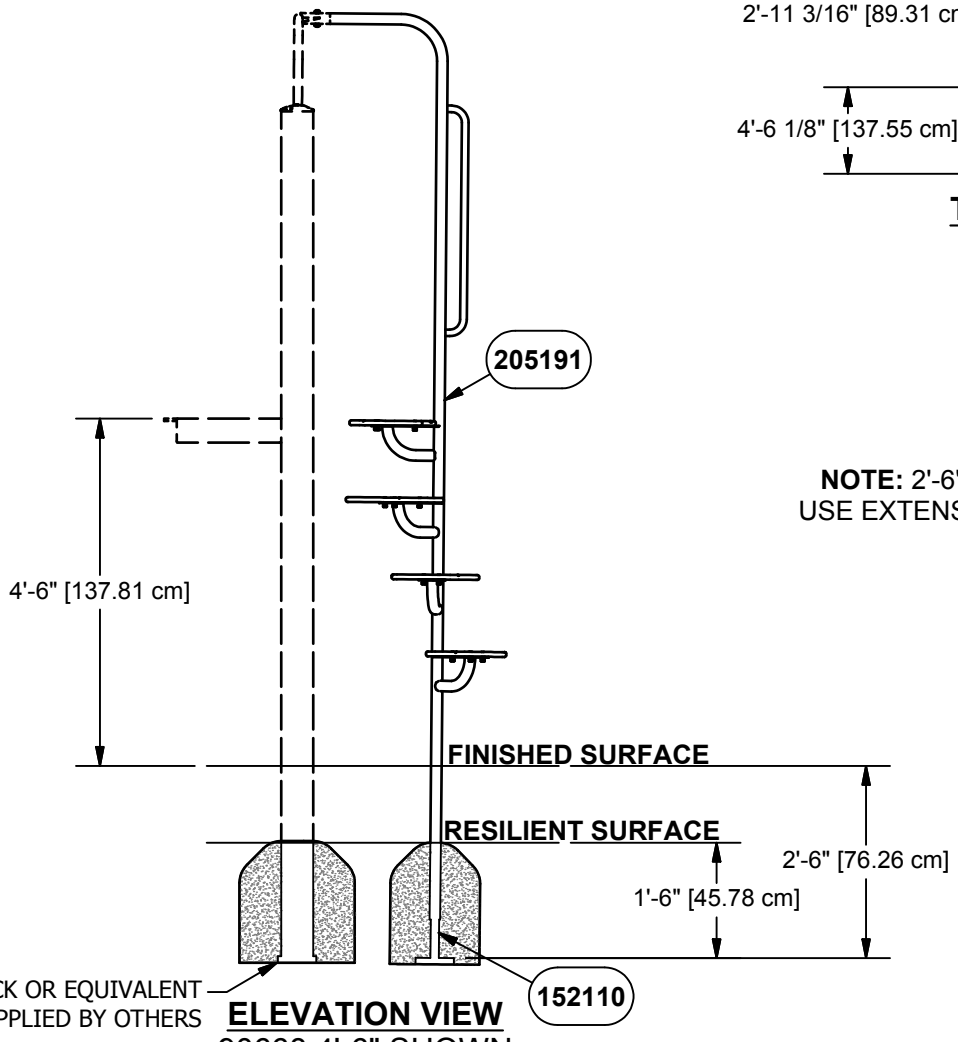

**PLAN VIEW**

**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]

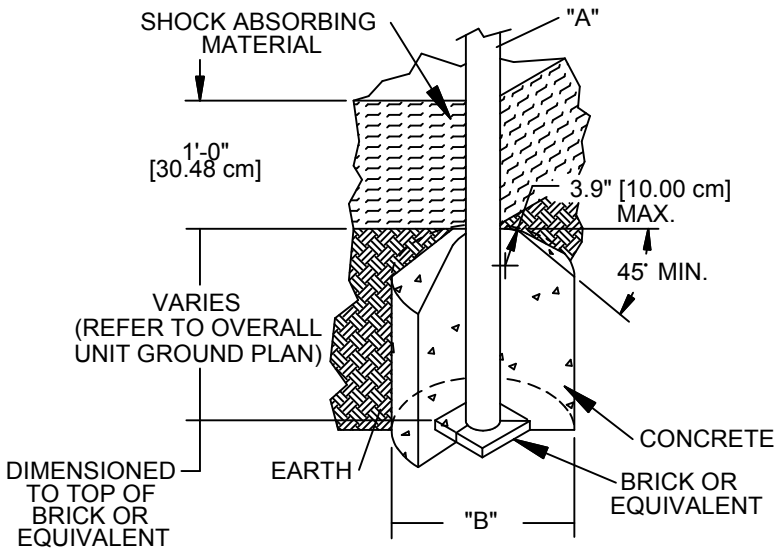



**TOP VIEW**




**ELEVATION VIEW**
90668 4'-6" SHOWN
OTHERS SIMILAR

**NOTE:** 2'-6", 3'-6", 4'-6", 5'-6"
USE EXTENSION LEG (152110)

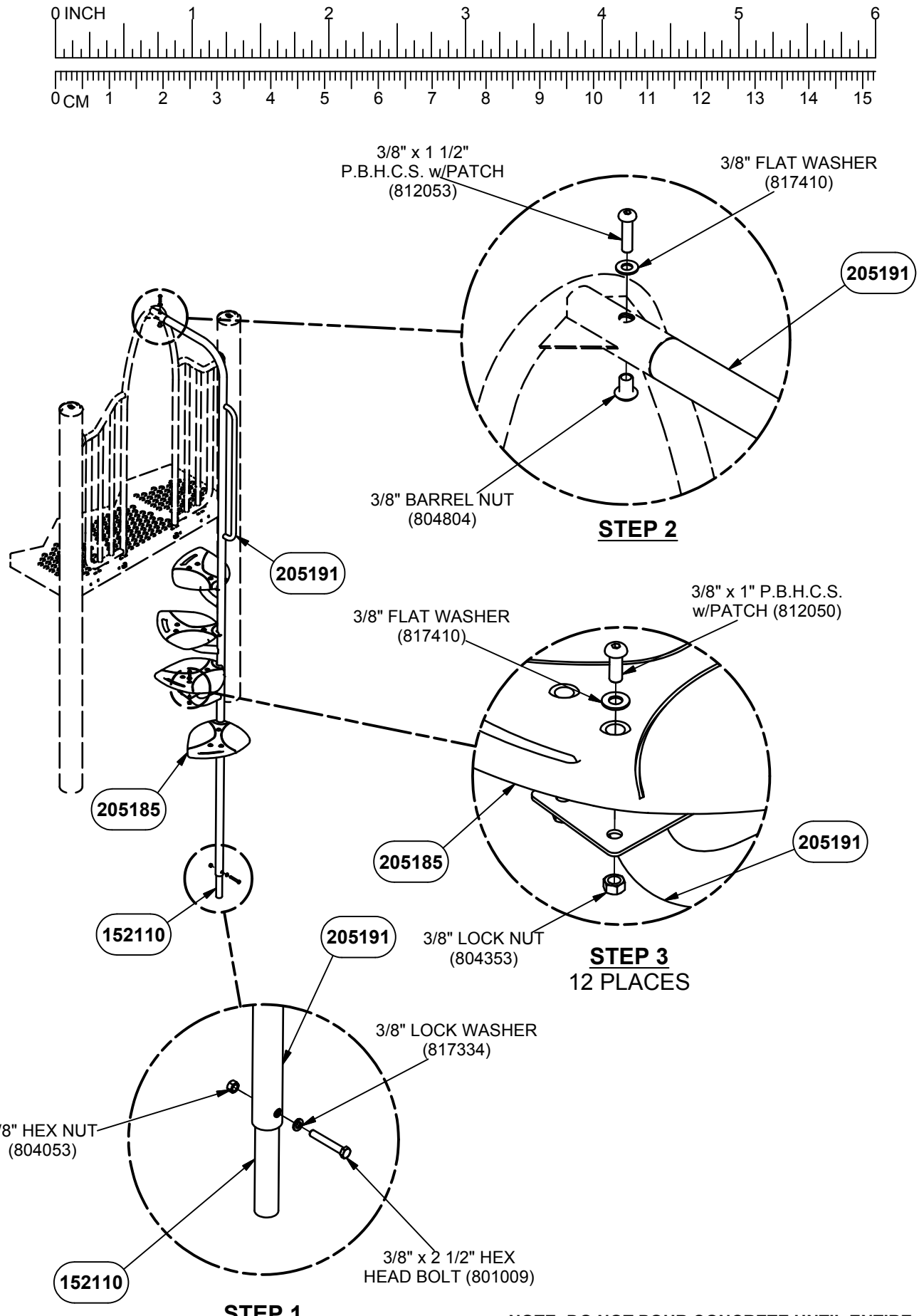



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION | 90666 | 90667 | 90668 | 90669 | 90670 | PART NUMBER |
| 2' SPIRAL STEP WELD ASS'Y | 1 | 0 | 0 | 0 | 0 | 205187 |
| 3' SPIRAL STEP WELD ASS'Y | 0 | 1 | 0 | 0 | 0 | 205189 |
| 4' SPIRAL STEP WELD ASS'Y | 0 | 0 | 1 | 0 | 0 | 205191 |
| 5' SPIRAL STEP WELD ASS'Y | 0 | 0 | 0 | 1 | 0 | 205193 |
| 6' SPIRAL STEP WELD ASS'Y | 0 | 0 | 0 | 0 | 1 | 205195 |
| TREADSAFE HDPE STEP | 2 | 3 | 4 | 5 | 6 | 205185 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 205260 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 0 | 205261 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 0 | 205262 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 0 | 205263 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 205264 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 6 | 9 | 12 | 15 | 18 | 812050* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 1 | 1 | 1 | 1 | 1 | 812053* |
| 3/8" x 2 1/2" HEX HEAD BOLT | 1 | 1 | 1 | 1 | 0 | 801009* |
| 3/8" FLAT WASHER | 7 | 10 | 13 | 16 | 19 | 817410* |
| 3/8" LOCK WASHER | 1 | 1 | 1 | 1 | 0 | 817334* |
| 3/8" BARREL NUT | 1 | 1 | 1 | 1 | 1 | 804804* |
| 3/8" HEX NUT | 1 | 1 | 1 | 1 | 0 | 804053* |
| 3/8" LOCK NUT | 6 | 9 | 12 | 15 | 18 | 804353* |
| EXTENSION LEG | 1 | 1 | 1 | 1 | 0 | 152110* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 4/2/2024

# 90700 WILDER SLIDE II

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

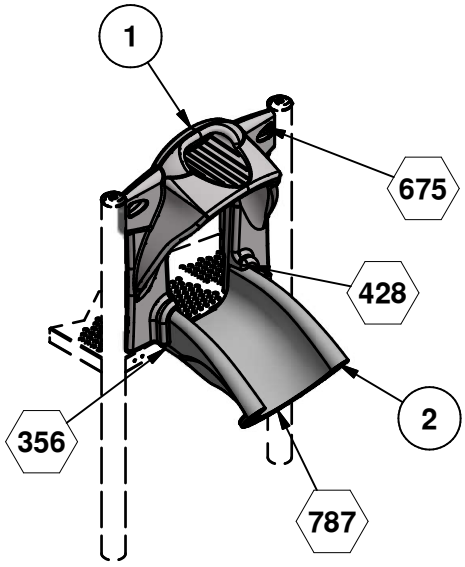



UP TO 5'-0"

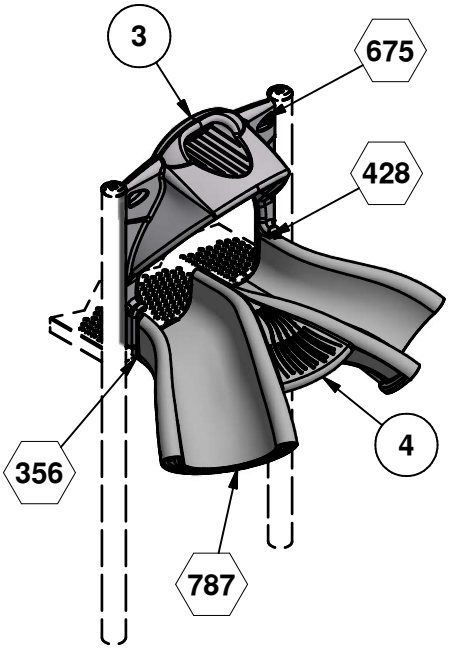



UP TO 8'-0"

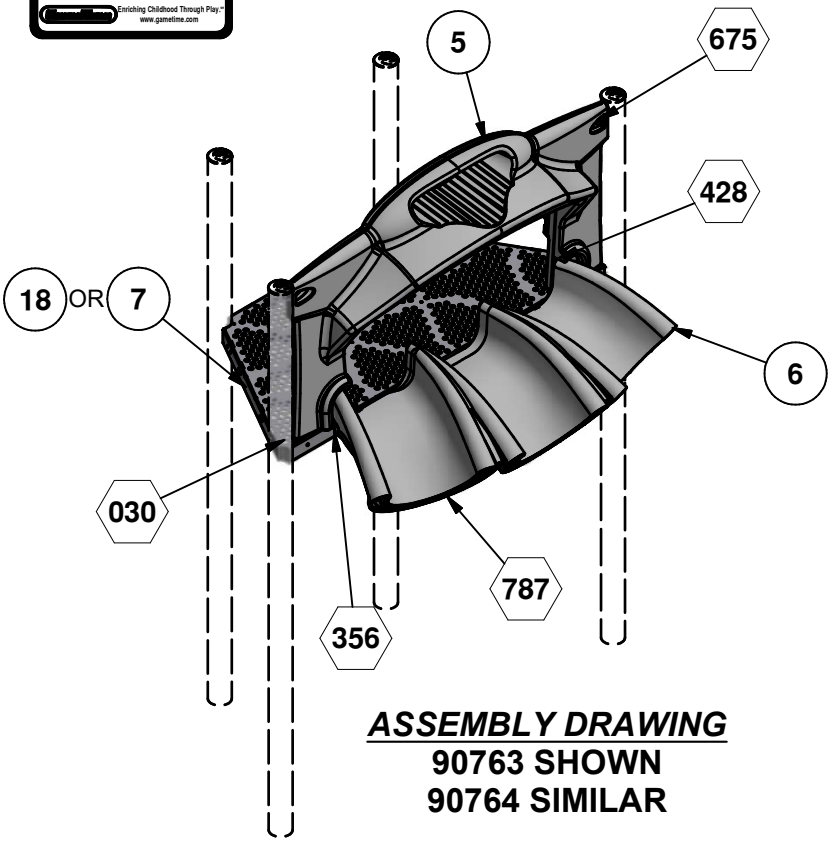
| | |
|---|---|
| SINGLE ENTRANCE | 90700 |
| DOUBLE ENTRANCE | 90701 |
| TRIPLE ENTRANCE | 90763 |
| STRAIGHT | 90703 |
| CURVE LEFT | 90704 |
| CURVE RIGHT | 90705 |
| EXIT | 90706 |
| 140° HELIX SPIRAL | 90707 |
| HELIX SPIRAL | 90708 |
| SLIDE SUPPORT | 90709 |
| SLIDE SUPPORT | 90710 |
| SLIDE SUPPORT | 90718 |
| LONG EXIT | 90762 |
| TRIPLE ENTRANCE ADA | 90764 |
| DOUBLE STRAIGHT | 90729 |
| OUTRIGGER | 90776 |



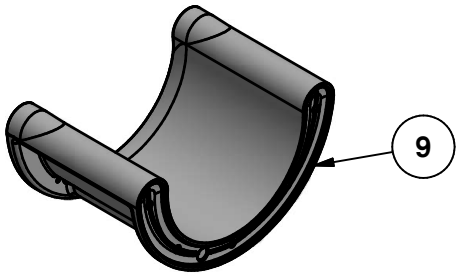

***ASSEMBLY DRAWING***
**90700 SHOWN**



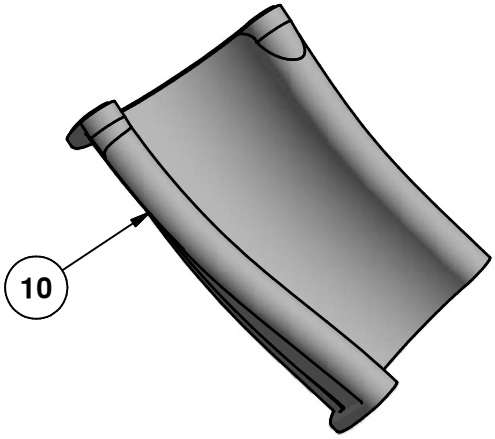

***ASSEMBLY DRAWING***
**90701 SHOWN**



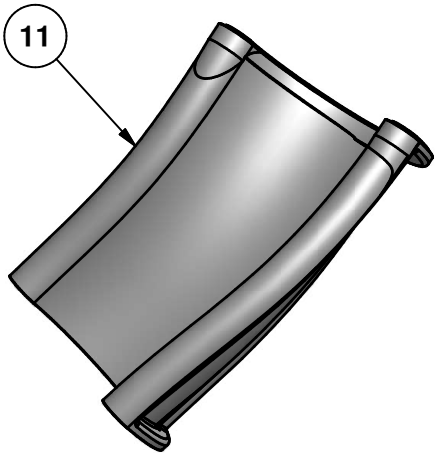

***ASSEMBLY DRAWING***
**90763 SHOWN**
**90764 SIMILAR**



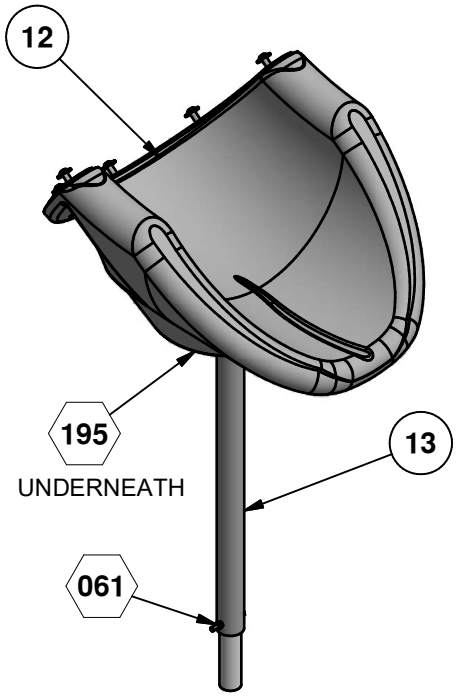

***ASSEMBLY DRAWING***
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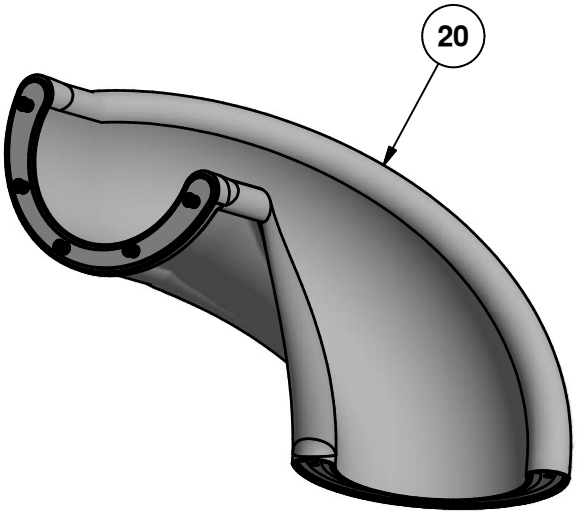

***ASSEMBLY DRAWING***
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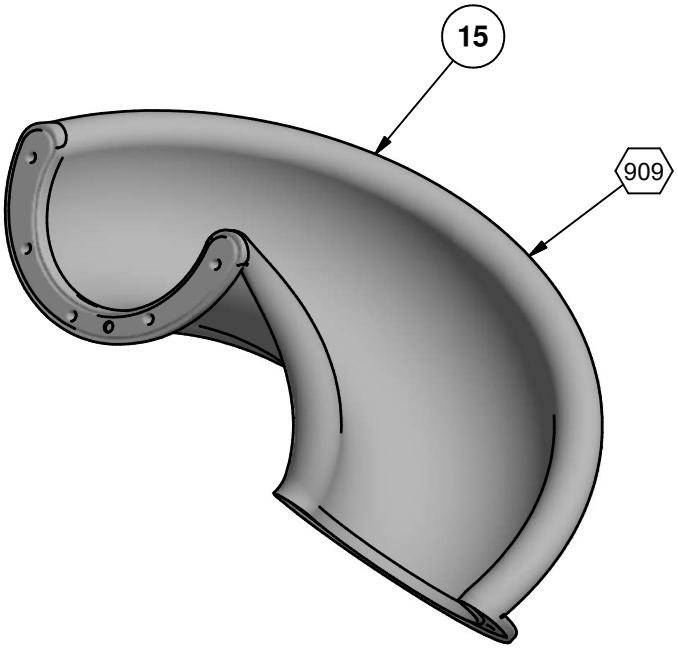

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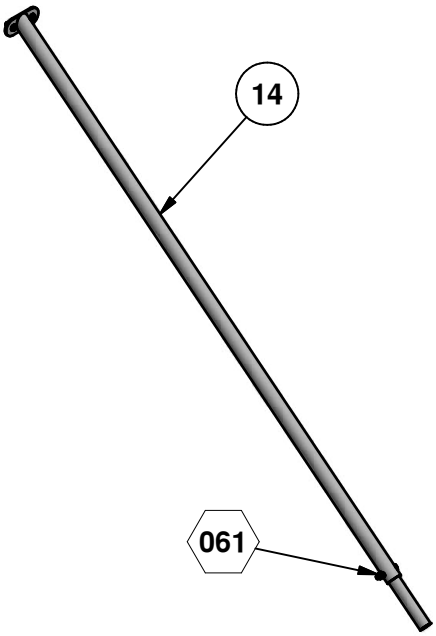

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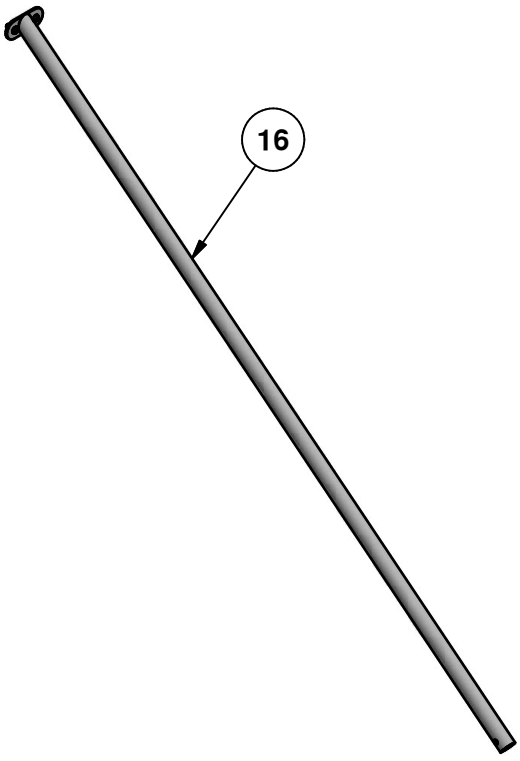

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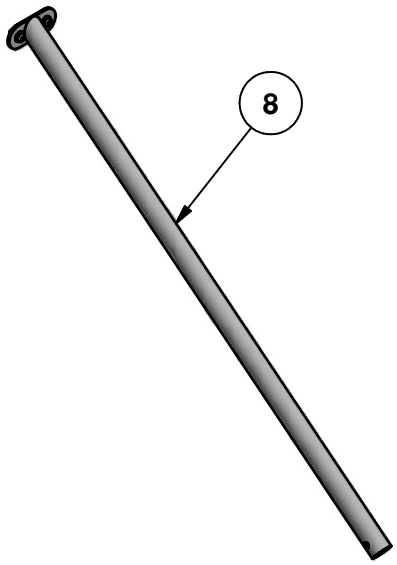

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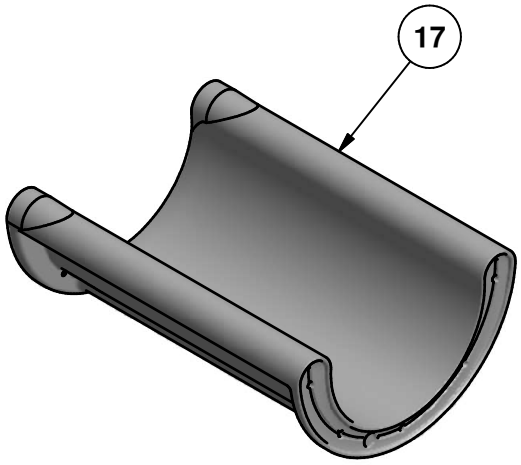

***ASSEMBLY DRAWING***
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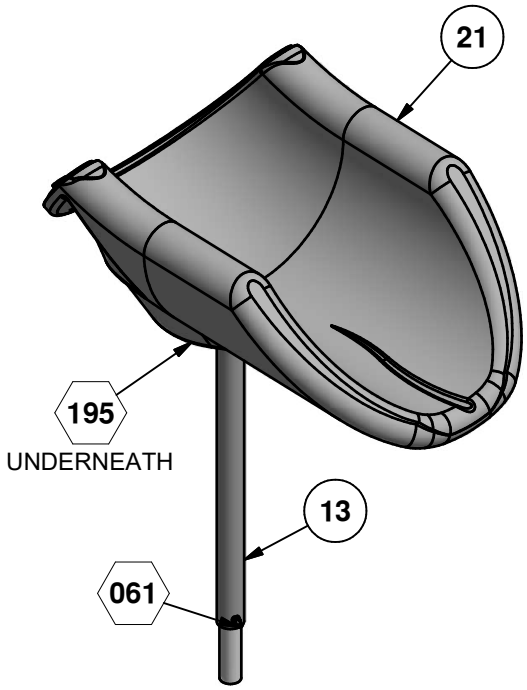

***ASSEMBLY DRAWING***
**90710 SHOWN**



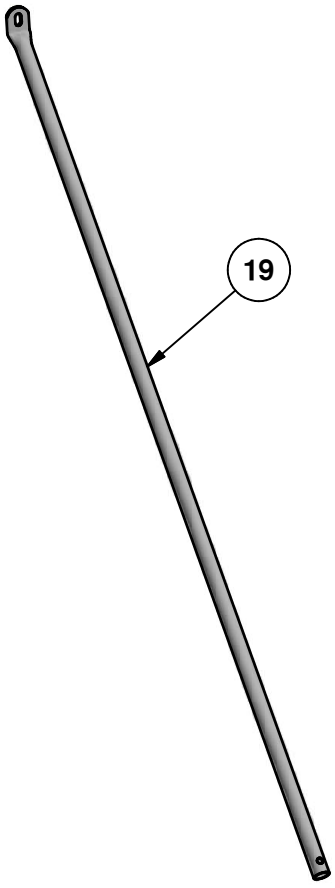

***ASSEMBLY DRAWING***
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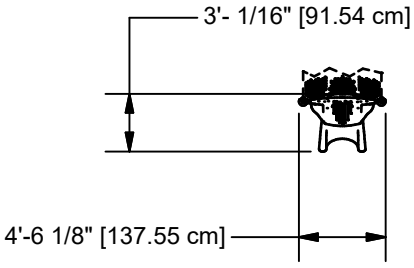

***ASSEMBLY DRAWING***
**90729 SHOWN**



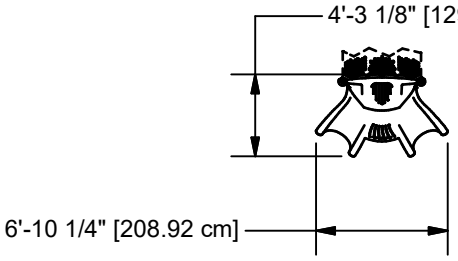

***ASSEMBLY DRAWING***
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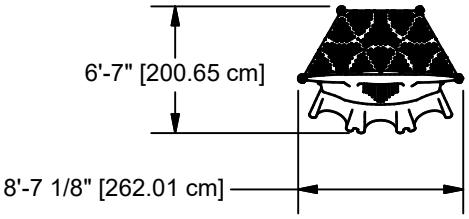

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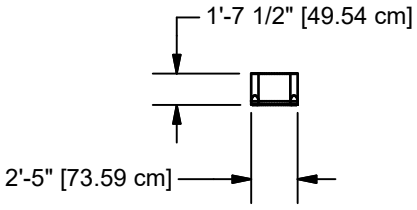

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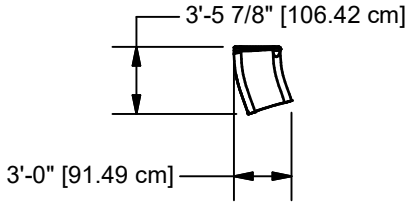

**90701**



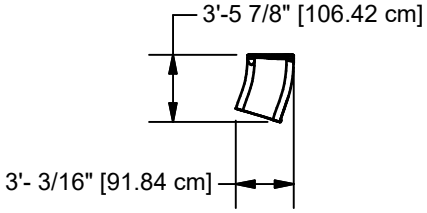

**90763 / 90764**



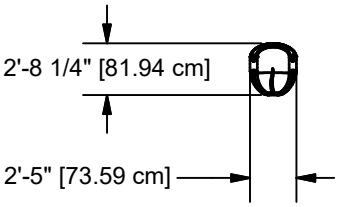

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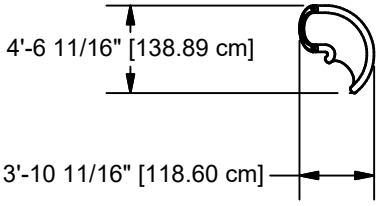

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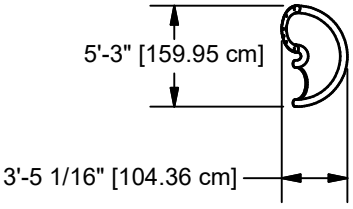

**90705**



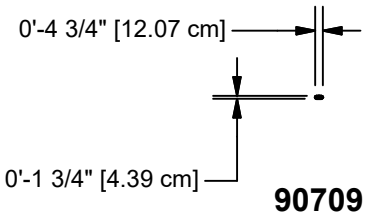

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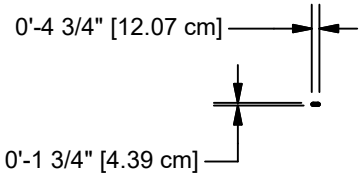

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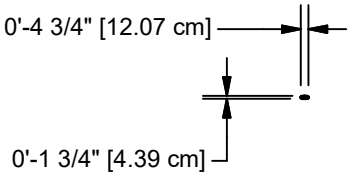

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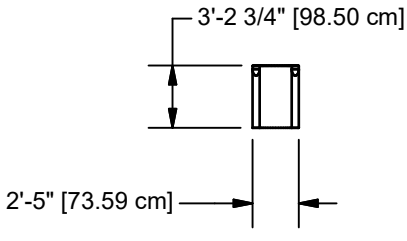

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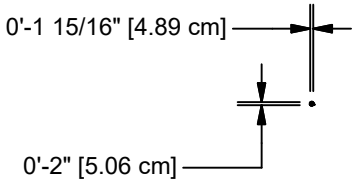

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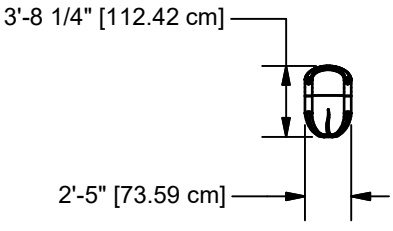

**90718**




**90729**



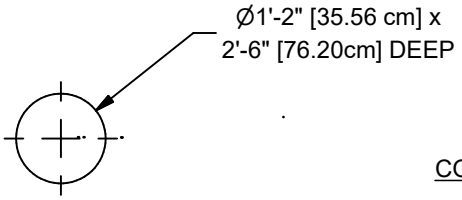

**90776**




**90762**

***TOP VIEWS***

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON A LEVEL FINISHED SURFACE

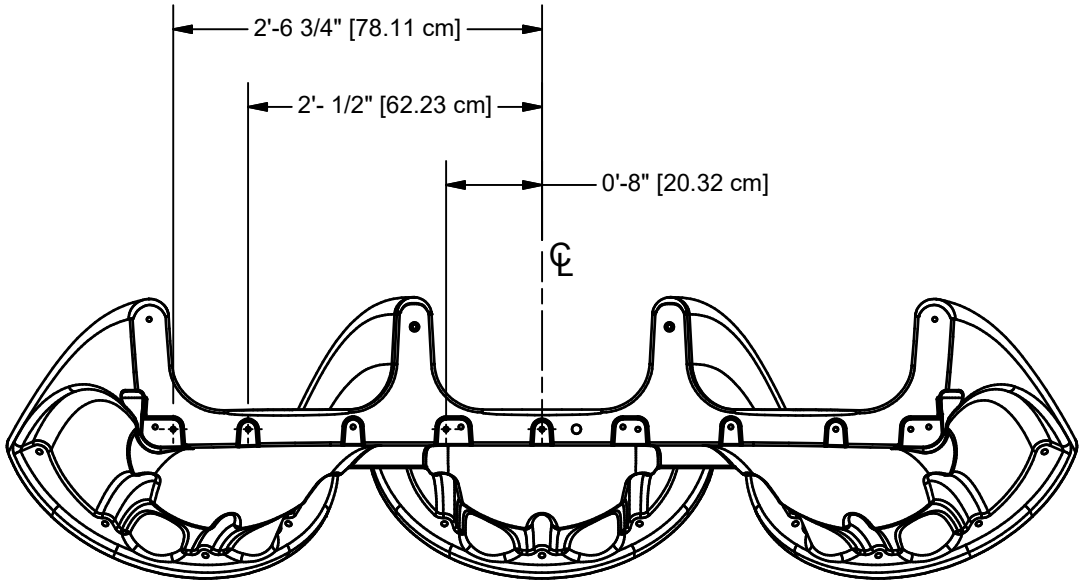



CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

PER GROUND HOLE
(DETERMINED BY CONFIGURATION)

NOTE:
NUMBER OF GROUND HOLES REQUIRED
WILL BE DETERMINED BY SLIDE CONFIGURATION.

## ***GROUND PLAN***

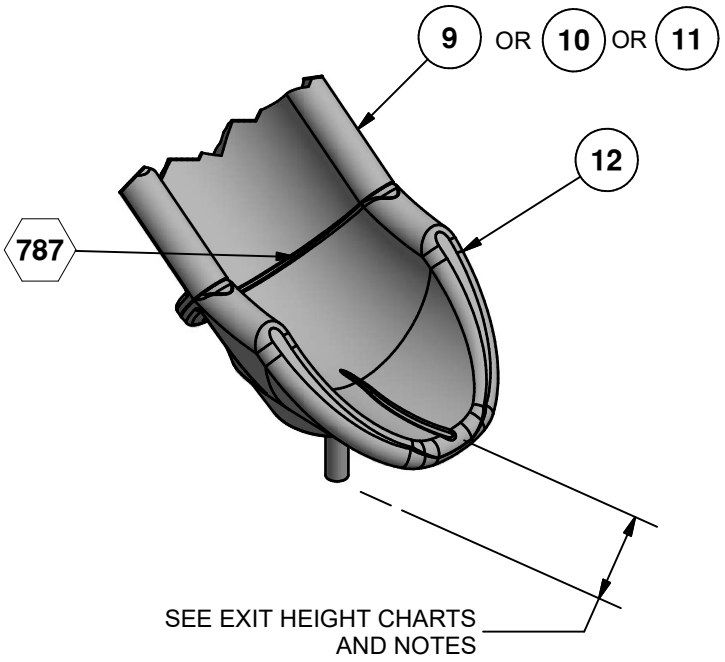



**NOTE:** USE THESE INSERTS TO ATTACH TRIPLE ENTRANCE TO PLATFORM. CLEAN OUT HOLE LOCATIONS ON PLATFORM TO MATCH DIMENSIONS

## TRIPLE ENTRANCE HOLE PATTERN DETAIL

| EXIT HEIGHT CHART | |
|---|---|
| DECK HEIGHT | EXIT HEIGHT |
| 3'-0" | 7 1/4" [18.42cm] |
| 3'-6" | 13 1/4" [33.66cm] |
| 4'-0" | 7 1 /4" [18.42 cm] |
| 4'-6" | 13 1/4" [33.66 cm] |
| 5'-0" | 7 1/4" [18.42cm] |
| 5'-6" | 13 1/4" [33.66 cm] |
| 6'-0" | 7 1/4" [18.42 cm] |
| 6'-6" | 13 1/4" [33.66 cm] |
| 7'-0" | 7 1/4" [18.42 cm] |
| 7'-6" | 13 1/4" [33.66 cm] |
| 8'-0" | 7 1/4" [18.42cm] |

NOTE: CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS APPLIED



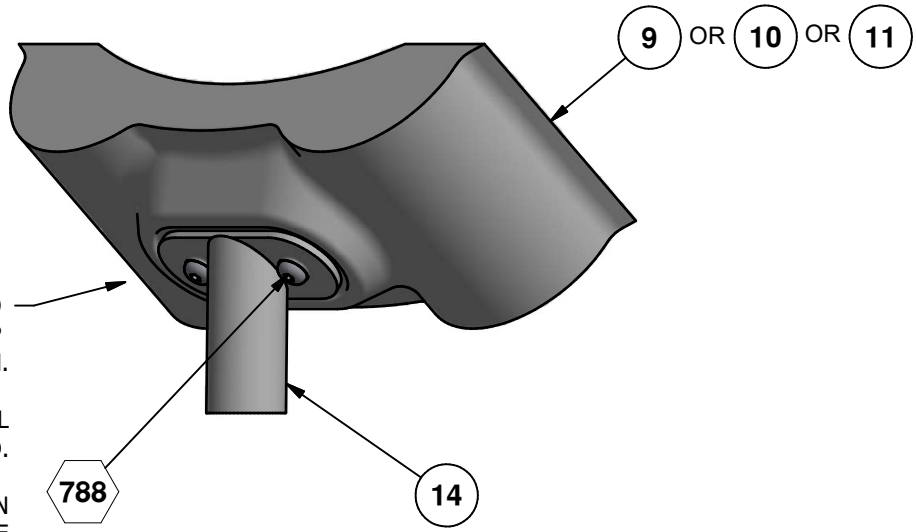

NOTE:
IF YOUR BUILDING A SINGLE ENTRANCE STRAIGHT SLIDE YOUR EXIT HEIGHT WILL BE AS FOLLOWS:

| DECK HEIGHT | EXIT HEIGHT |
|---|---|
| 7'-0" | 8 3/4" [22.23cm] |
| 7'-6" | 14 3/4" [37.47cm] |
| 8'-0" | 11" [27.94cm] |

NOTE:
IF YOUR BUILDING A TRIPLE ENTRANCE STRAIGHT SLIDE IN THE CENTER YOUR EXIT HEIGHT WILL BE AS FOLLOWS:

| DECK HEIGHT | EXIT HEIGHT |
|---|---|
| 7'-0" | 8 1/4" [20.96cm] |
| 7'-6" | 14 1/4" [36.20 cm] |
| 8'-0" | 10" [25.40 cm] |

## ***EXIT SECTION ASSEMBLY DRAWING***




NOTE: SUPPORT ATTACHES TO THE THIRD MOUNTING PAD UP FROM THE BOTTOM.

EXCEPT WHEN A HELIX SPRAL IS USED.

IF HELIX SPIRAL IS USED THEN SUPPORT WILL ATTACH TO THE FIRST DOWNWARD HELIX SPIRAL.

## ***SLIDE SUPPORT ASSEMBLY DRAWING***

# INSTALLATION INSTRUCTIONS

***SINGLE BEDWAY SLIDES***

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Single Zip Slide Hood using Detail 675.
4. Attach Footbuck to Exit Section using Detail 195.
5. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

6. Once all sections are bolted together, hand tight, install the slide to the Single Zip Slide Hood and platform using Detail 356 and Detail 428.
7. Starting at the top section, tighten the five bolts with a wrench. Tighten the top two bolts first, the bottom single bolt second, then the remaining two bolts as shown, See Figure #1.
8. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
9. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 7 and 8 until seams are properly fitted.
10. After the slide is adjusted and the bolts are tight, attach the slide support using Detail 788 (if required).

NOTE: Support attaches to the third mounting pad up from the bottom.

11. Use Detail 789 to plug inserts in Straight and Curved Sections as required.
12. Attach Outrigger to Spirals if required using Detail 840.

***DOUBLE BEDWAY SLIDES***

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Double Zip Slide Hood using Detail 675.
4. Attach Footbucks to Exit Sections using Detail 195.
5. Attach the Double Entrance Section using Detail 356 and Detail 428.
6. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

7. Once all sections are bolted together, hand tight, install the slides to the Double Entrance Section using Detail 787.
8. Starting at the top section, tighten the five bolts with a wrench. Tighten the top two bolts first, the bottom single bolt second, then the remaining two bolts as shown, See Figure #1.
9. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
10. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 8 and 9 until seams are properly fitted.
11. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 788 (if required).

NOTE: Support attaches to the third mounting pad up from the bottom.

12. Use Detail 789 to plug inserts in Straight and Curved Sections as required.
13. Attach Outrigger to Spirals if required using Detail 840.

***TRIPLE BEDWAY SLIDES***

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Hex Deck to Uprights using Detail 030.
4. Attach Triple Slide Hood using Detail 675.
5. Attach Footbucks to Exit Sections using Detail 195.
6. Attach the Triple Entrance Section using Detail 356 and Detail 428.
7. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787 and 852. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

8. Once all sections are bolted together, hand tight, install the slides to the Triple Entrance Section using Detail 787 and 852.
9. Starting at the top section, tighten the five bolts with a wrench. Tighten the top two bolts first, the bottom single bolt second, then the remaining two bolts as shown, See Figure #1.
10.. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
11. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 9 and 10 until seams are properly fitted.
12. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 788 (if required).

NOTE: Support attaches to the third mounting pad up from the bottom.

13. Use Detail 789 to plug inserts in Straight and Curved Sections as required.
14. Attach Outrigger to Spirals if required using Detail 840.

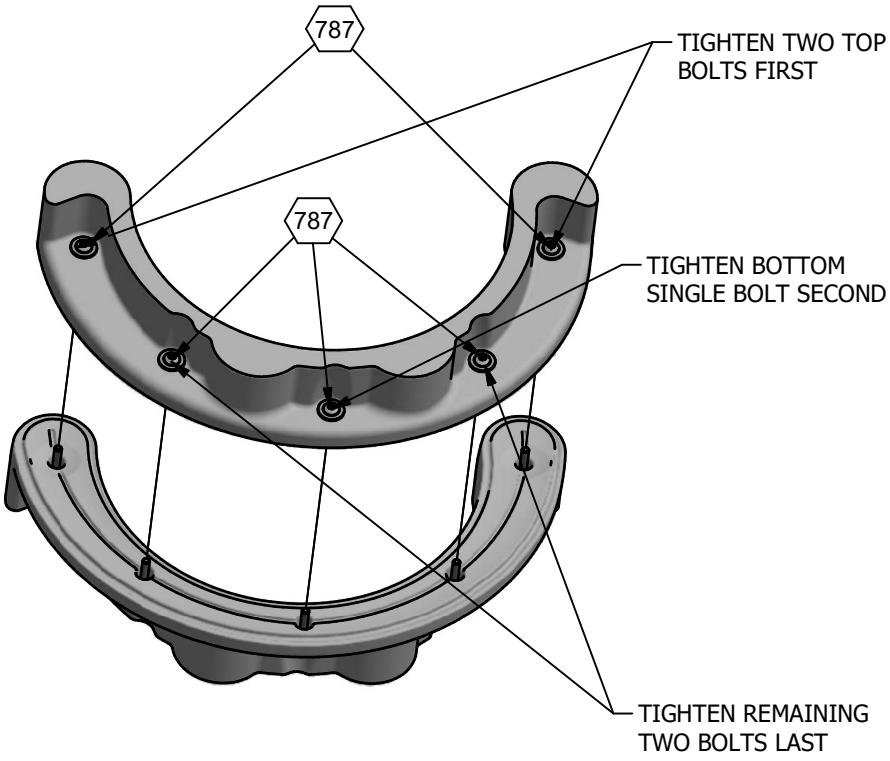



**FIGURE #1**

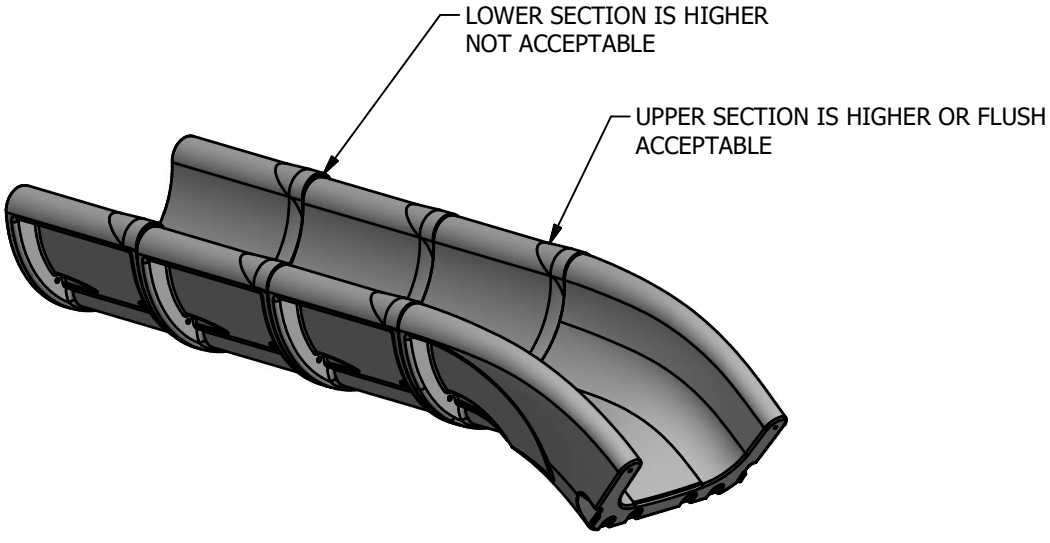



**FIGURE #2**

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 90700 | 90701 | 90763 | 90703 | 90704 | 90705 | 90706 | 90707 | PART NUMBER |
| 1 | SINGLE ZIP SLIDE HOOD | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203858 |
| 2 | SINGLE ENTRANCE SECTION | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205960 |
| 3 | DOUBLE ZIP SLIDE HOOD | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 203860 |
| 4 | DOUBLE ENTRANCE SECTION | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 206167 |
| 5 | TRIPLE SLIDE HOOD | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 207656 |
| 6 | TRIPLE ENTRANCE SECTION | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 206168 |
| 7 | COATED TWO PIECE HEX DECK | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 204318 |
| 8 | SUPPORT ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208976 |
| 9 | STRAIGHT SECTION | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 205962 |
| 10 | CURVED LEFT SECTION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 205963 |
| 11 | CURVED RIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 205964 |
| 12 | EXIT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 206179 |
| 13 | FOOTBUCK WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 204879 |
| 14 | SUPPORT ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 312634 |
| 15 | HELIX SPIRAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206170 |
| 16 | SUPPORT ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 312637 |
| 17 | DOUBLE STRAIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207601 |
| 18 | COATED TWO PIECE HEX DECK ADA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 204533 |
| 19 | OUTRIGGER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209049 |
| 20 | HELIX SPIRAL 140 DEGREES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 210735 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 207029 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 207030 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 209982 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 207032 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 207033 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 207035 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207036 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208396 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 812052* |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 0 | 2 | 0 | 2 | 4 | 4 | 0 | 2 | 812050* |
| | 3/8" x 1 1/2" P.B.H.C.S. | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 810053* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 812054* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 812055* |
| | 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 812056* |
| | 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 812058* |
| | 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 801013* |
| | 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 801009* |
| | 3/8" LOCK WASHER | 6 | 8 | 22 | 5 | 5 | 5 | 8 | 5 | 817334* |
| | 3/8" FLATWASHER | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 817410* |
| | 3/8" FLAT WASHER (1" O.D.) | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 817401* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 6 | 20 | 6 | 6 | 6 | 6 | 6 | 817424* |
| | 3/8" HEX NUT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 804053* |
| | 6" EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 151080* |
| | EXTENSION LEG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152110* |
| | 1/2" FLAT WASHER(1 3/8" O.D.) | 0 | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 817425* |
| | 3/8" BARREL NUT LONG | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 804820* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards***
***For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.***
***Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment***
***And Dispose/Save Them In A Secure Location.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 90708 | 90709 | 90710 | 90718 | 90762 | 90764 | 90729 | 90776 | PART NUMBER |
| 1 | SINGLE ZIP SLIDE HOOD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203858 |
| 2 | SINGLE ENTRANCE SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205960 |
| 3 | DOUBLE ZIP SLIDE HOOD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203860 |
| 4 | DOUBLE ENTRANCE SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206167 |
| 5 | TRIPLE SLIDE HOOD | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 207656 |
| 6 | TRIPLE ENTRANCE SECTION | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 206168 |
| 7 | COATED TWO PIECE HEX DECK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 204318 |
| 8 | SUPPORT ASS'Y | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 208976 |
| 9 | STRAIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205962 |
| 10 | CURVED LEFT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205963 |
| 11 | CURVED RIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205964 |
| 12 | EXIT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206179 |
| 13 | FOOTBUCK WELD ASS'Y | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 204879 |
| 14 | SUPPORT ASS'Y | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 312634 |
| 15 | HELIX SPIRAL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206170 |
| 16 | SUPPORT ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 312637 |
| 17 | DOUBLE STRAIGHT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 207601 |
| 18 | COATED TWO PIECE HEX DECK ADA | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 204533 |
| 19 | OUTRIGGER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 209049 |
| 21 | EXIT SECTION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 211303 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207029 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207030 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 209982 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207032 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 207033 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 207035 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 207036 |
| | ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 208396 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 812052* |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 0 | 0 | 4 | 0 | 812050* |
| | 3/8" x 1 1/2" P.B.H.C.S. | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 810053* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 812054* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 5 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 812055* |
| | 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 812056* |
| | 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 812058* |
| | 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 801013* |
| | 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 801009* |
| | 3/8" LOCK WASHER | 5 | 3 | 2 | 2 | 8 | 22 | 5 | 0 | 817334* |
| | 3/8" FLATWASHER | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 817410* |
| | 3/8" FLAT WASHER (1" O.D.) | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 817401* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 0 | 0 | 0 | 6 | 20 | 6 | 0 | 817424* |
| | 3/8" HEX NUT | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 804053* |
| | 6" EXTENSION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 151080* |
| | EXTENSION LEG | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 152110* |
| | 1/2" FLAT WASHER(1 3/8" O.D.) | 6 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 817425* |
| | 3/8" BARREL NUT LONG | 5 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 804820* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

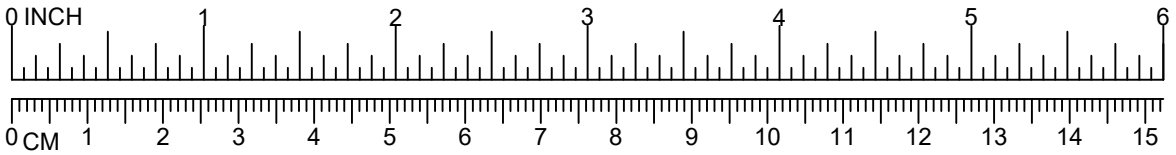
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# 90700, 90701, 90763, 90703 THRU 90710, 90718, 90762, 90764, 90729 & 90776.

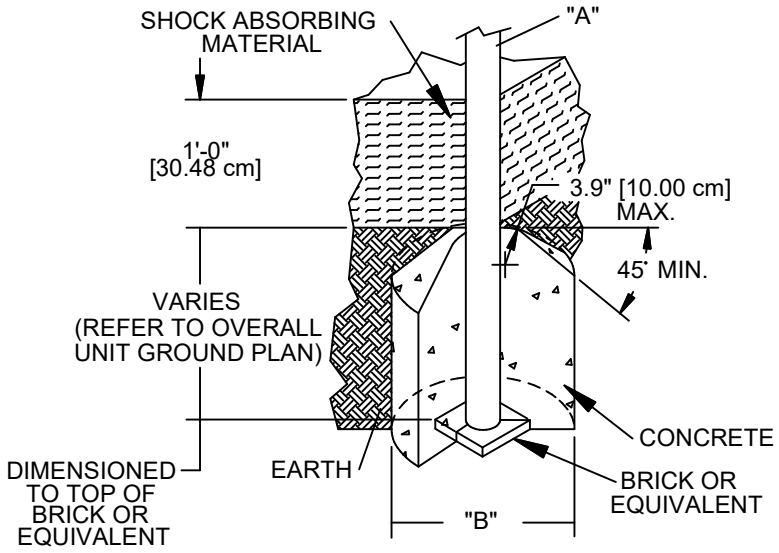
IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



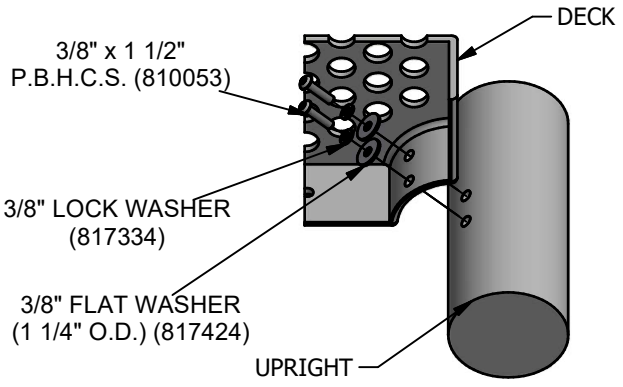




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

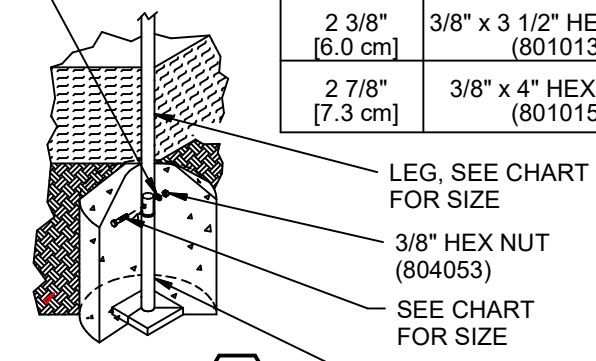



*NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

030

*NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.

| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [4.7 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |
| 2 7/8" [7.3 cm] | 3/8" x 4" HEX HEAD (801015) |




061

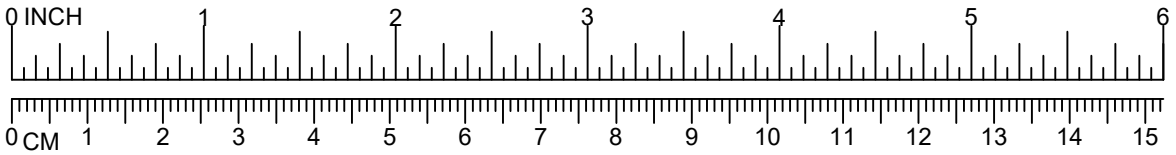
# DETAILS -for-
# 90700, 90701, 90763, 90703 THRU 90710, 90718, 90762, 90764, 90729 & 90776.

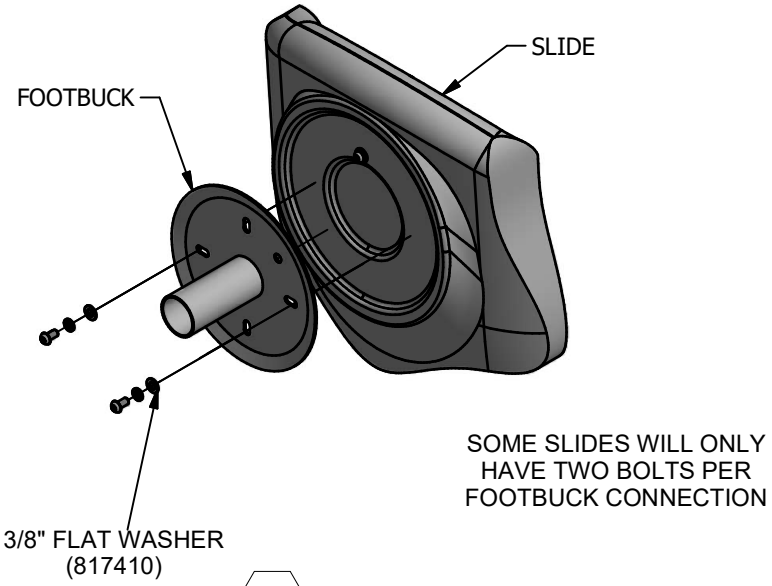
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TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

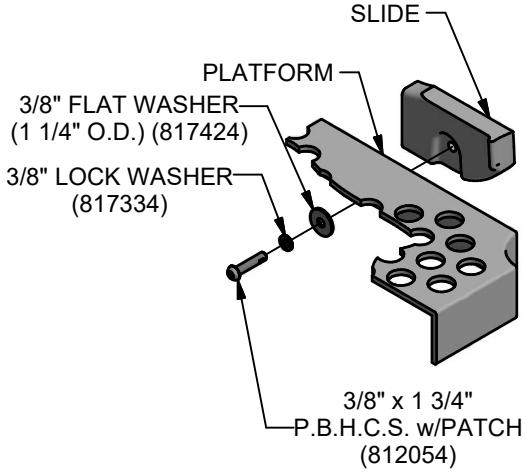
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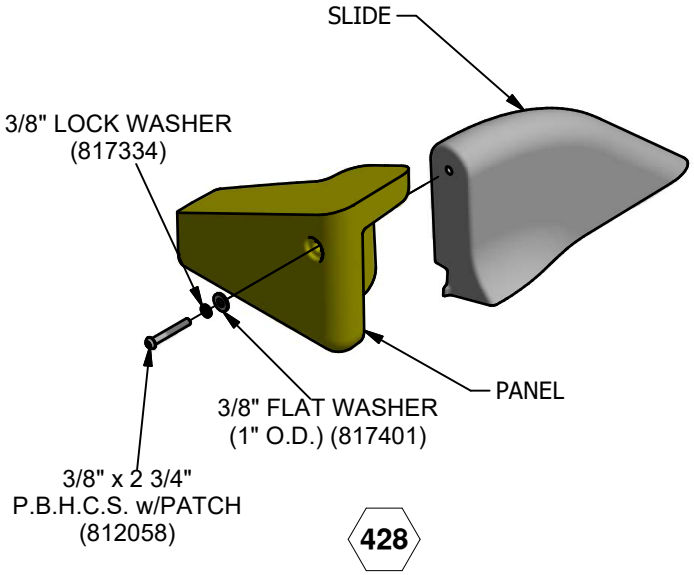




SOME SLIDES WILL ONLY HAVE TWO BOLTS PER FOOTBUCK CONNECTION

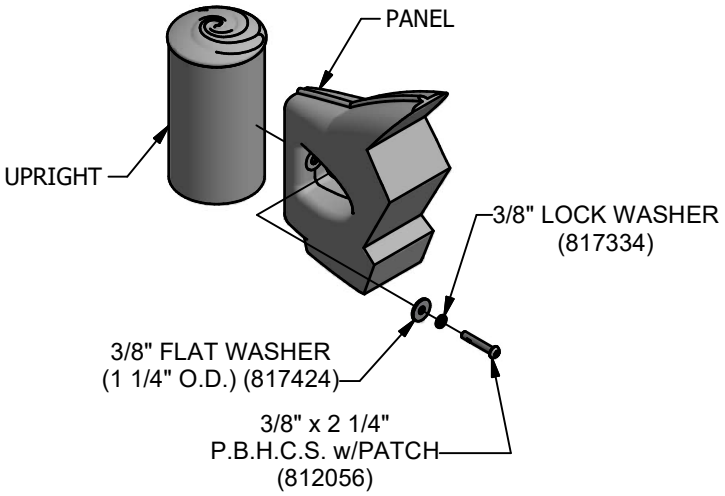
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356




428




675

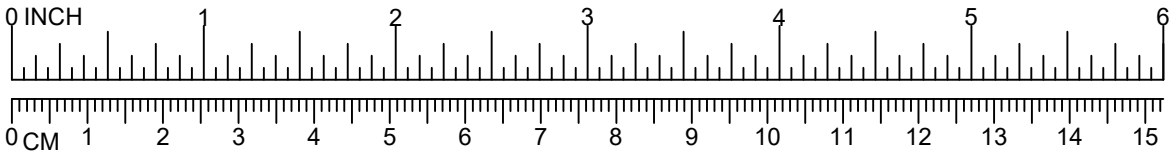
# DETAILS -for-
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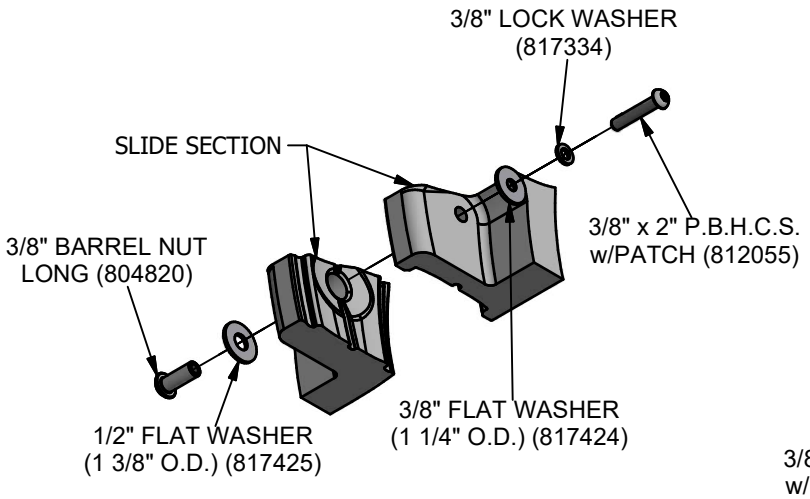
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

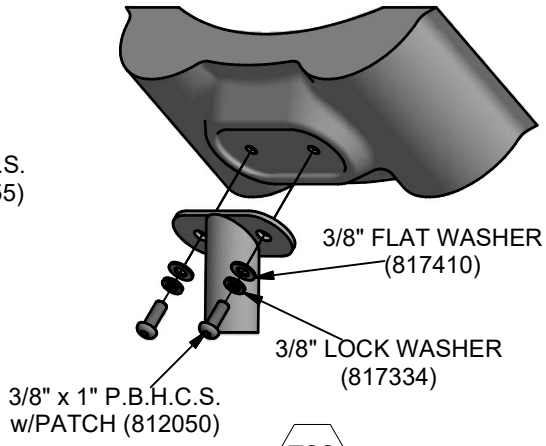
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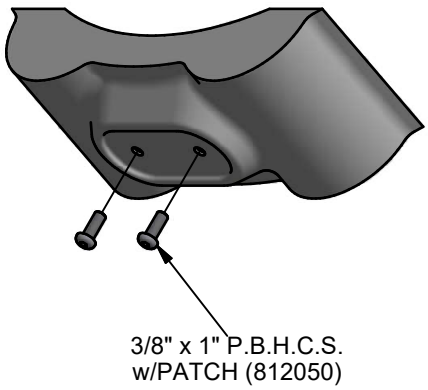




NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE

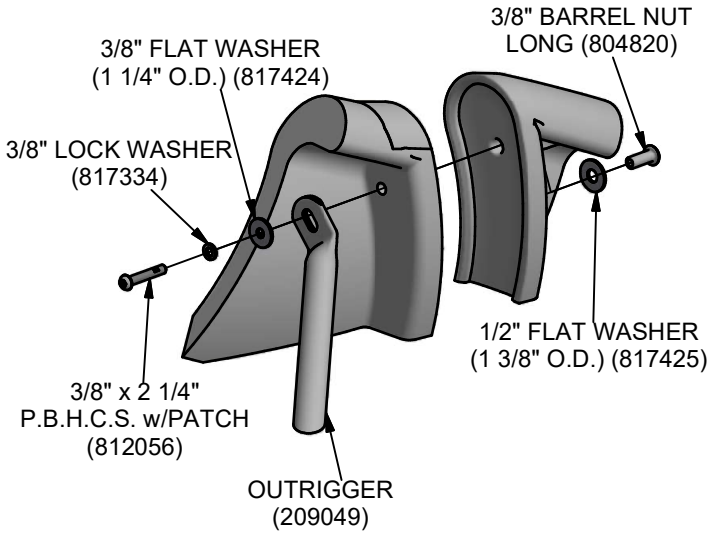
787




788




789




840

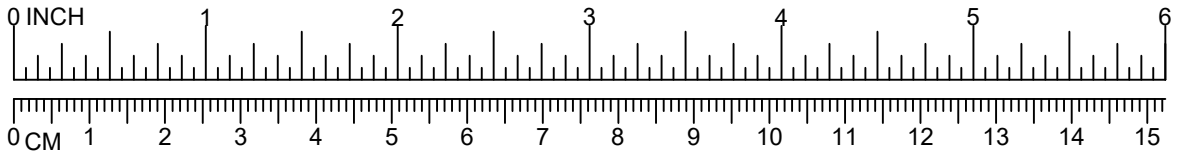
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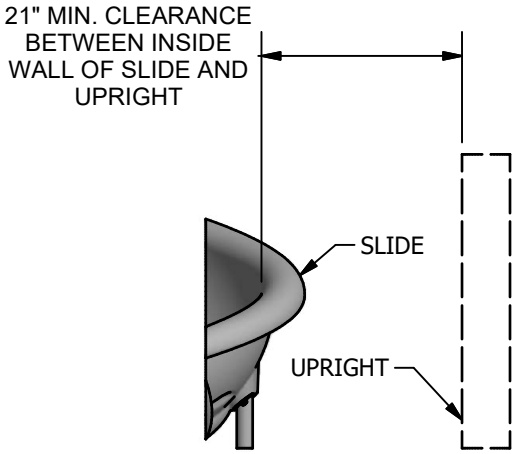
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




909

PowerScape

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1-800-235-2440

ISSUED/REVISED: 12/13/2021

# 90711

# STEEL DRUM

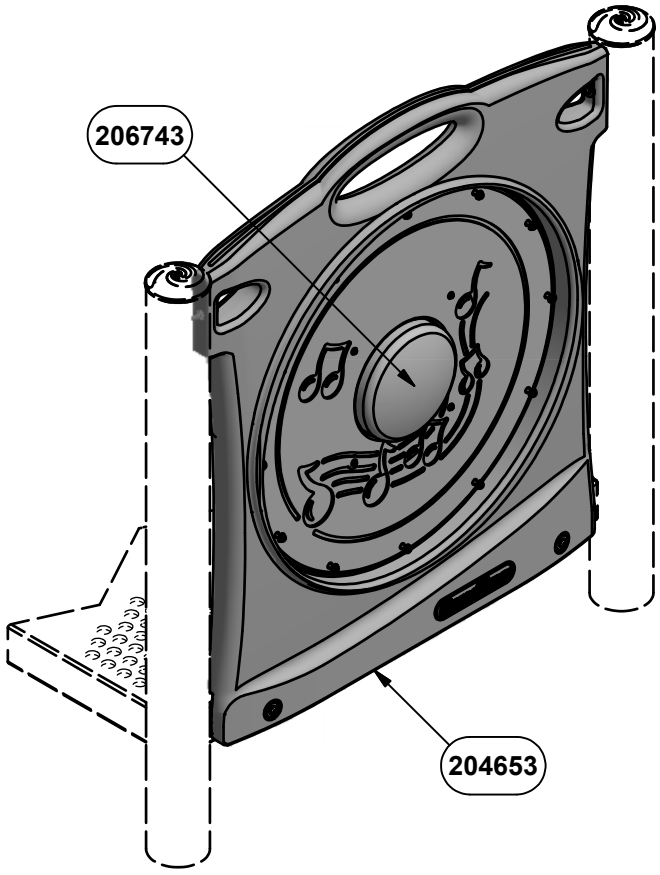
| | |
|---|---|
| STEEL DRUM | 90711 |
| AIR LOCK COG | 90712 |
| FROG SLIDE PUZZLE | 90713 |
| TWIST BALL RUN | 90715 |
| COLOR WHEEL | 90716 |




UP TO 5'-0"



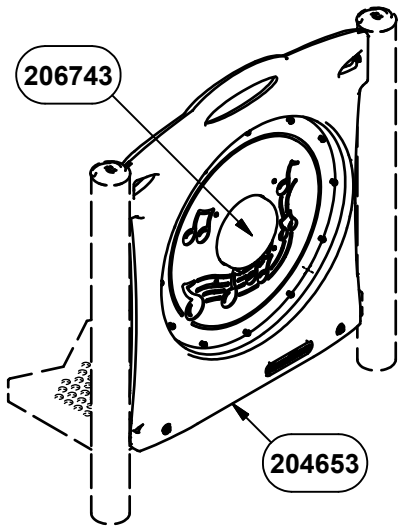

UP TO 8'-0"



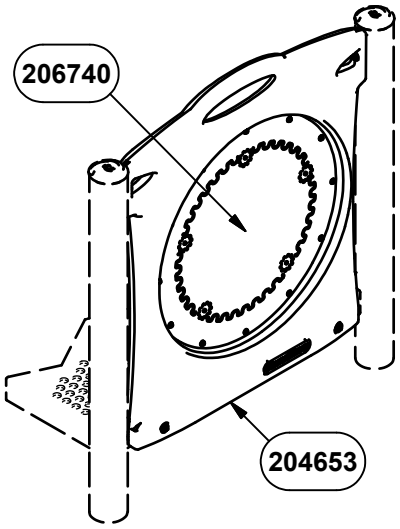

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

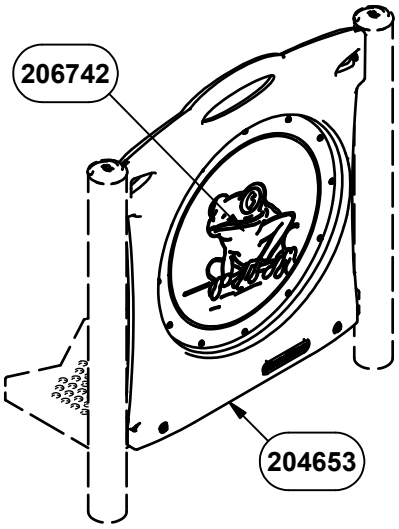
**ASSEMBLY VIEW**
90711 SHOWN



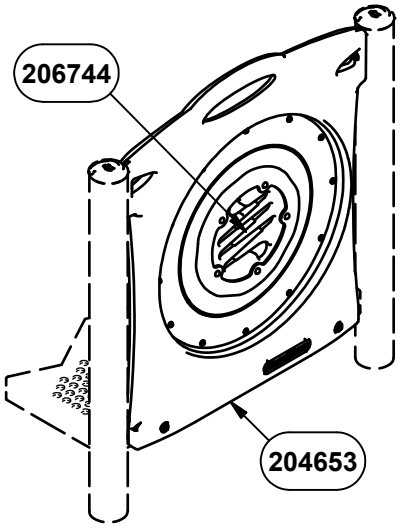

**90711**



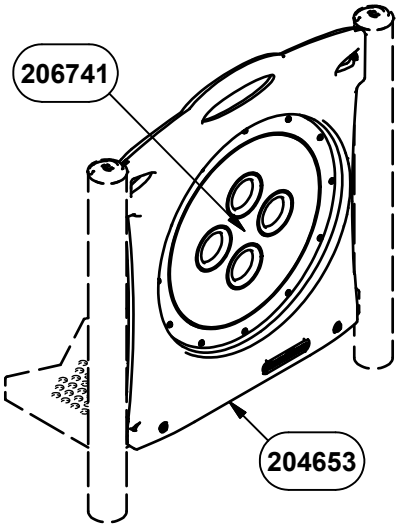

**90712**




**90713**

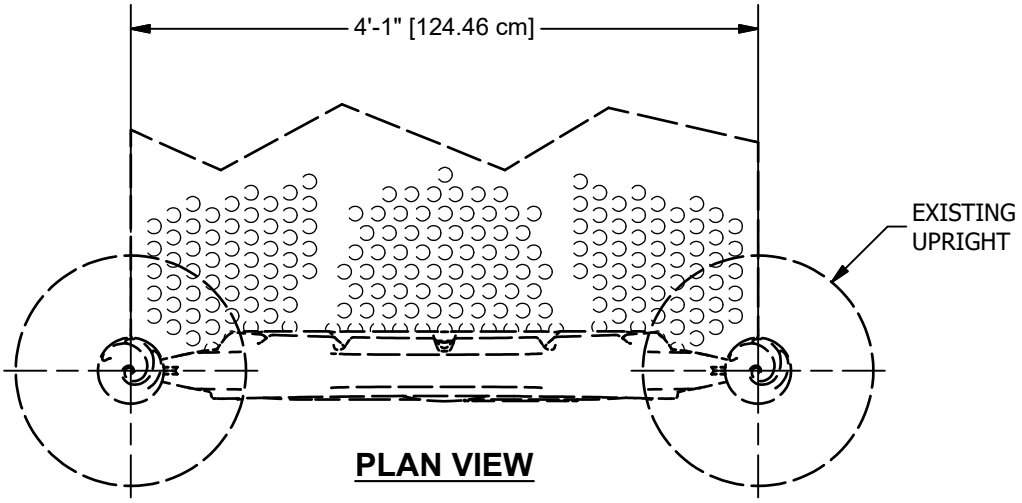



**90715**

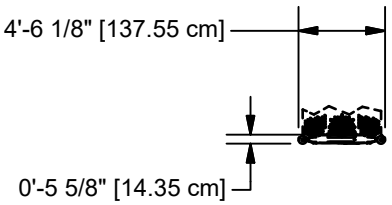



**90716**

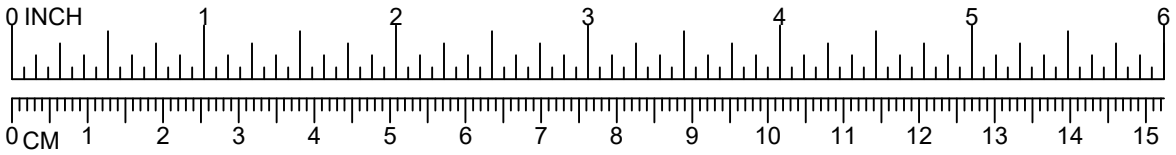
## ASSEMBLY VIEW

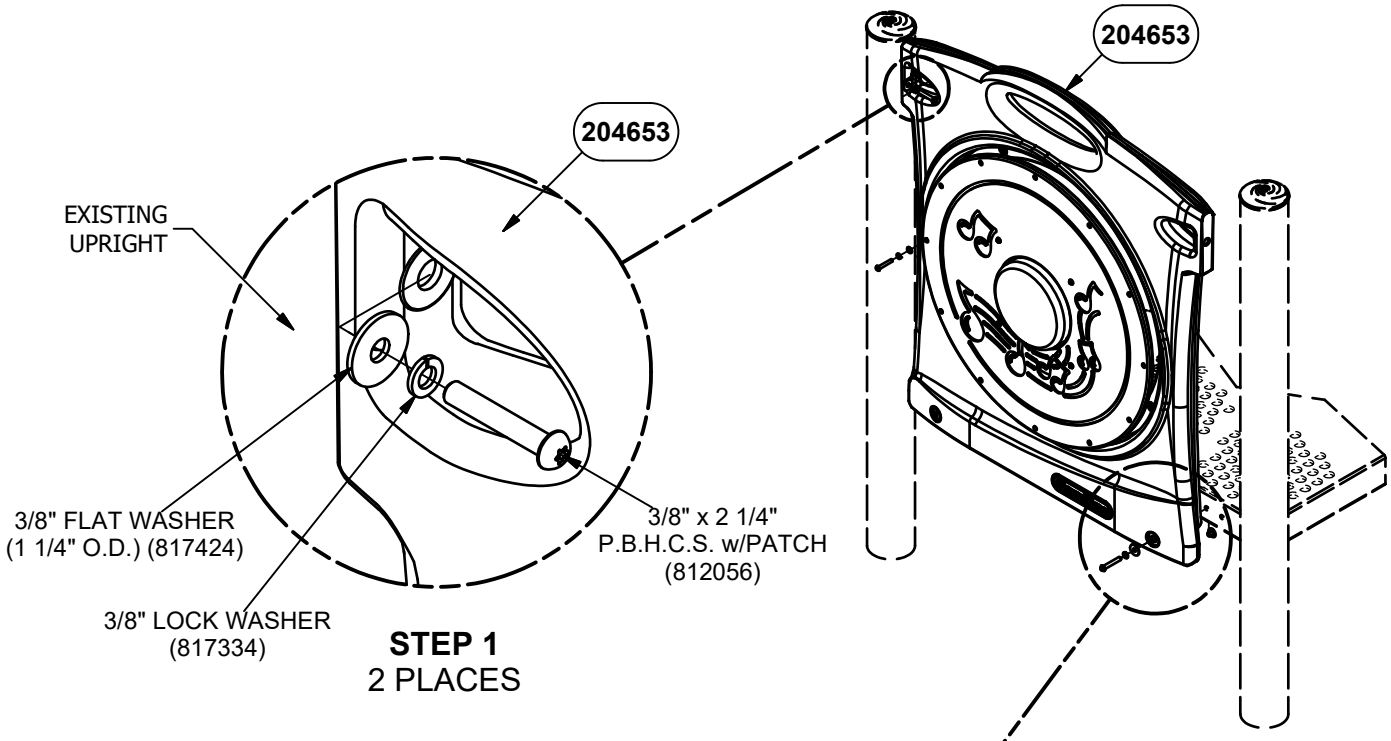



**PLAN VIEW**

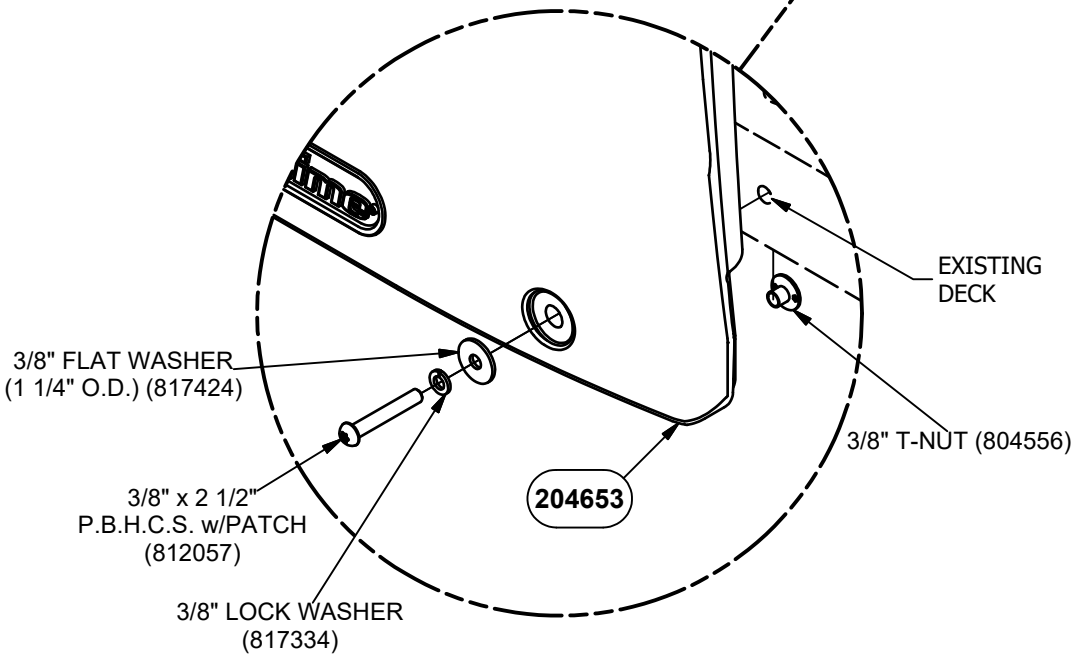



**TOP VIEW**



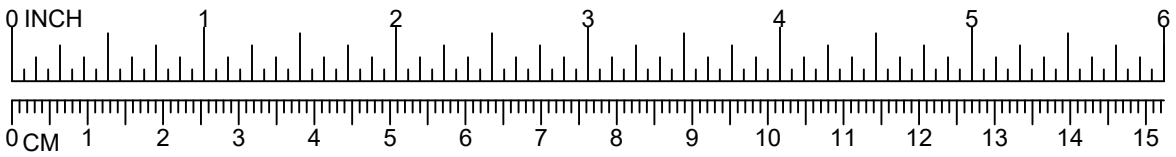

**STEP 1**
2 PLACES

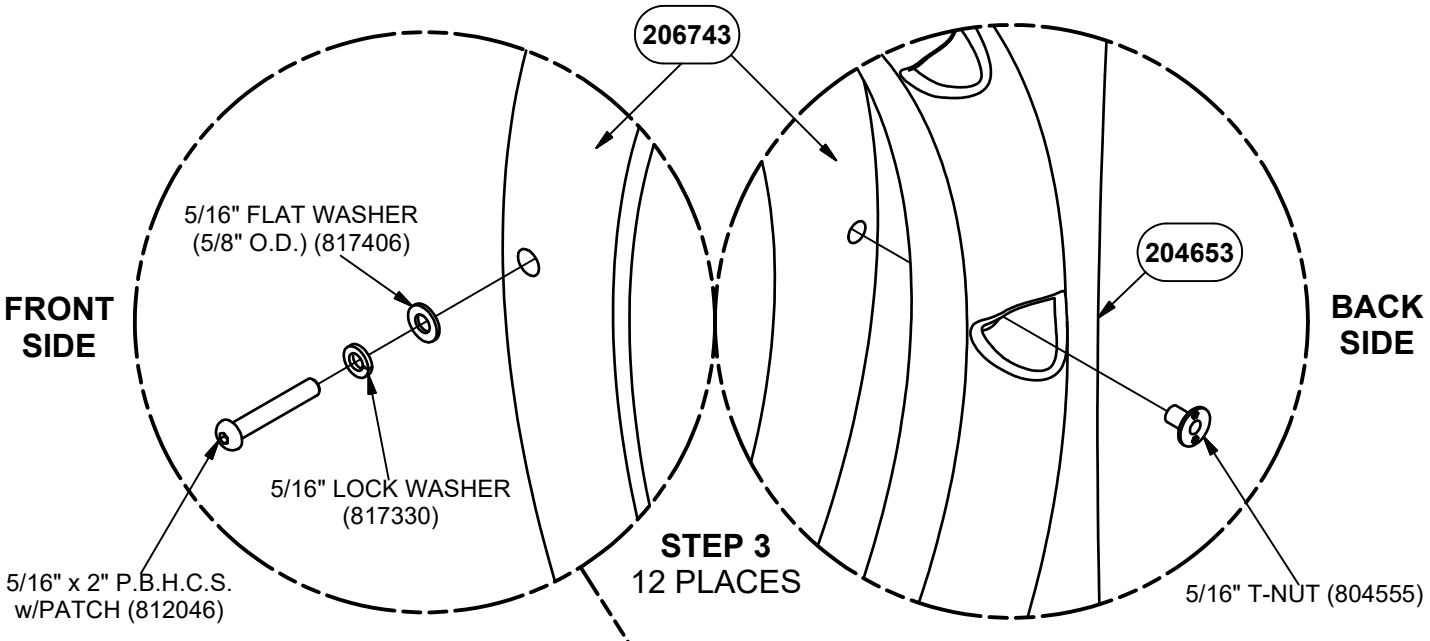


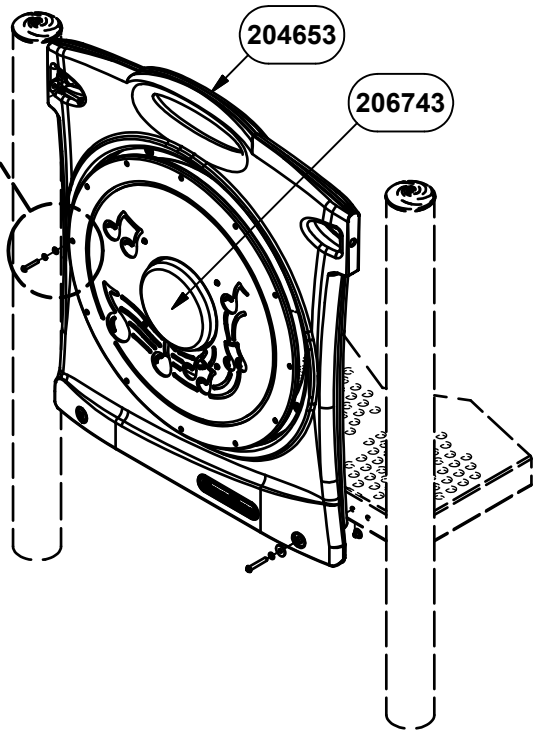

**STEP 2**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION | 90711 | 90712 | 90713 | 90715 | 90716 | PART NUMBER |
| SHORT CRAWL TUBE PANEL | 1 | 1 | 1 | 1 | 1 | 204653 |
| STEEL DRUM GADGET | 1 | 0 | 0 | 0 | 0 | 206743 |
| AIR LOCK COG GADGET | 0 | 1 | 0 | 0 | 0 | 206740 |
| FROG SLIDE PUZZLE GADGET | 0 | 0 | 1 | 0 | 0 | 206742 |
| TWIST BALL RUN GADGET | 0 | 0 | 0 | 1 | 0 | 206744 |
| COLOR WHEEL GADGET | 0 | 0 | 0 | 0 | 1 | 206741 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 1 | 206747 |
| 5/16" x 2" P.B.H.C.S. w/PATCH | 12 | 12 | 12 | 12 | 12 | 812046* |
| 5/16" FLAT WASHER (5/8" O.D.) | 12 | 12 | 12 | 12 | 12 | 817406* |
| 5/16" LOCK WASHER | 12 | 12 | 12 | 12 | 12 | 817330* |
| 5/16" T-NUT | 12 | 12 | 12 | 12 | 12 | 804555* |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 4 | 4 | 4 | 4 | 812056* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 812057* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 4 | 4 | 4 | 817424* |
| 3/8" LOCK WASHER | 4 | 4 | 4 | 4 | 4 | 817334* |
| 3/8" T-NUT | 2 | 2 | 2 | 2 | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

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1-800-235-2440

**ISSUED/REVISED: 6/17/2020**

# 90719 STEEL DRUM (BELOW DECK)

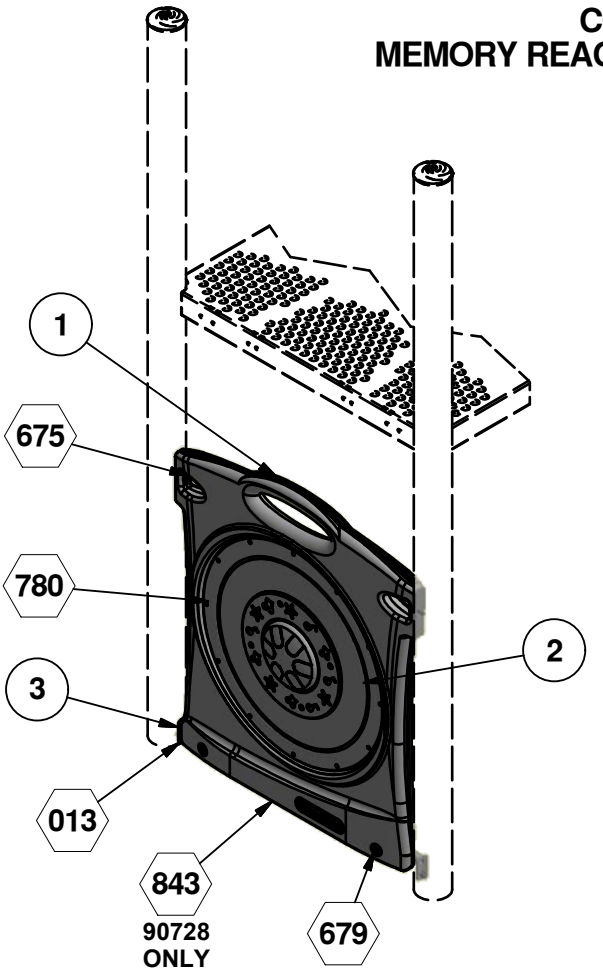
= INSTALLATION DETAIL

= PARTS LIST REFERENCE

| | |
|---|---|
| STEEL DRUM | 90719 |
| AIR LOCK COG | 90720 |
| FROG SLIDE PUZZLE | 90721 |
| 3 IN A ROW | 90722 |
| TWIST BALL RUN | 90723 |
| COLOR WHEEL | 90724 |
| MEMORY REACTIONS GAME | 90728 |



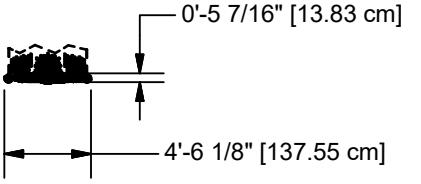

5'-6" TO 8'-0" DECK HEIGHTS




***ASSEMBLY DRAWING***

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclose INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions druing installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***TOP VIEW***

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 90719 | 90720 | 90721 | 90722 | 90723 | 90724 | 90728 | PART NUMBER |
| 1 | SHORT CRAWL TUBE PANEL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 204653 |
| 2 | STEEL DRUM GADGET | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 206743 |
| 2 | AIR LOCK COG GADGET | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 206740 |
| 2 | FROG SLIDE PUZZLE GADGET | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 206742 |
| 2 | 3 IN A ROW GADGET | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 206739 |
| 2 | TWIST BALL RUN GADGET | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 206744 |
| 2 | COLOR WHEEL GADGET | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 206741 |
| 2 | MEMORY REACTIONS GAME | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 209060 |
| 3 | BRACKET SUPPORT ASS'Y | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 203615 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 206748 |
| | 5/16" x 2" P.B.H.C.S. w/PATCH | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 812046* |
| | 5/16" FLAT WASHER (5/8" O.D.) | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 817406* |
| | 5/16" LOCK WASHER | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 817330* |
| | 5/16" T-NUT | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 804555* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 812051* |
| | 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 812056* |
| | 3/8" LOCK WASHER | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 817424* |
| | 3/8" T-NUT | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 804556* |
| | 3/8" x 3 1/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 812060* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

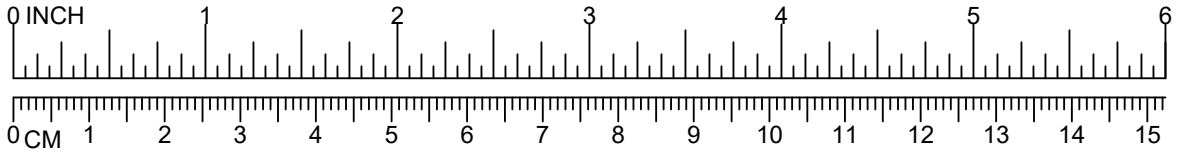
# DETAILS -for-
# 90719 - 90724 & 90728

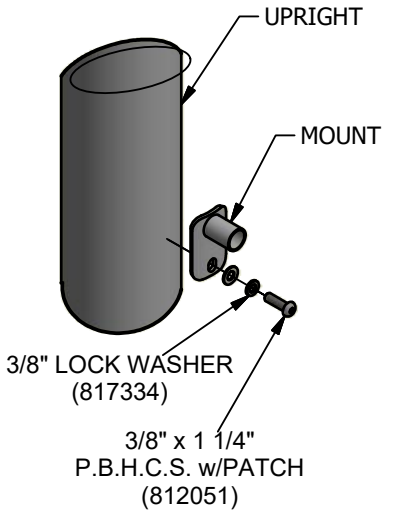
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

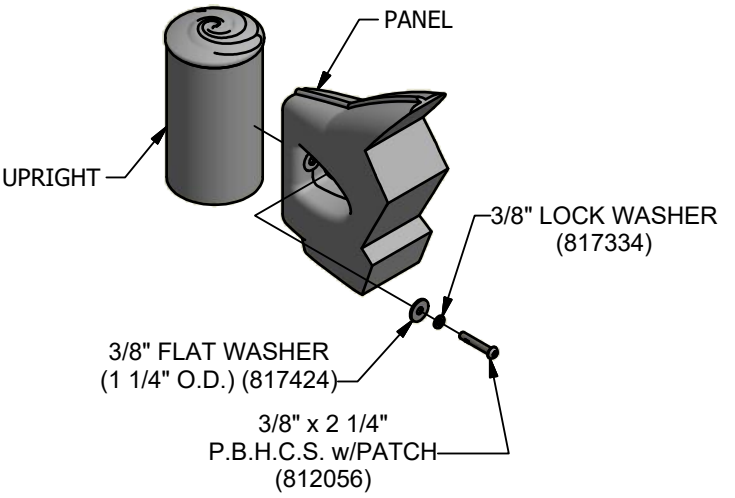
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

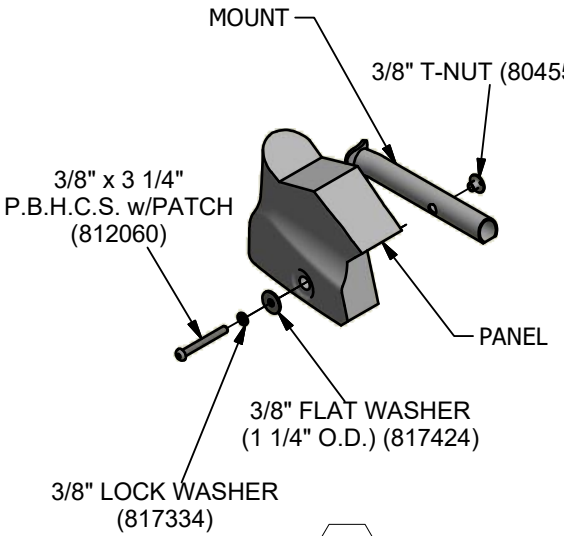


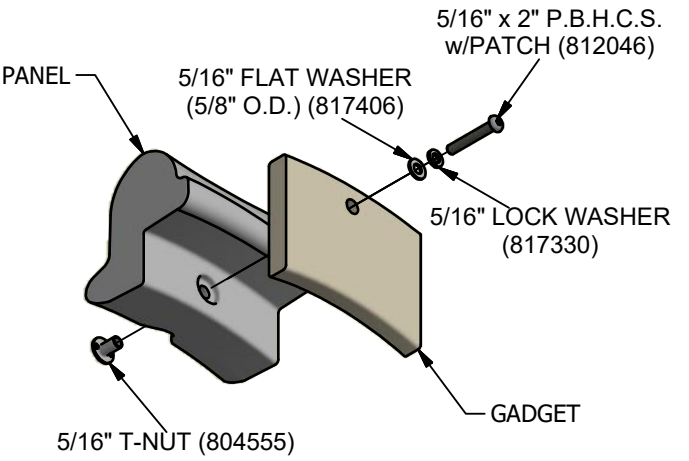

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675




679




780

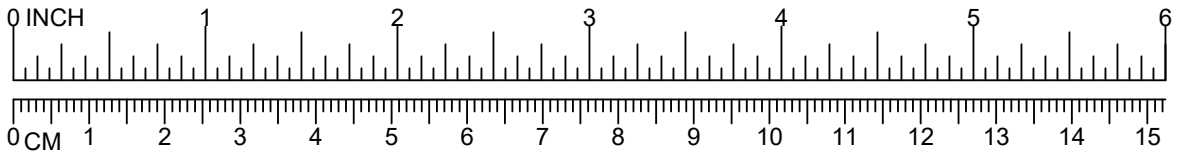
# DETAILS -for-
# 90719 - 90724 & 90728

**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

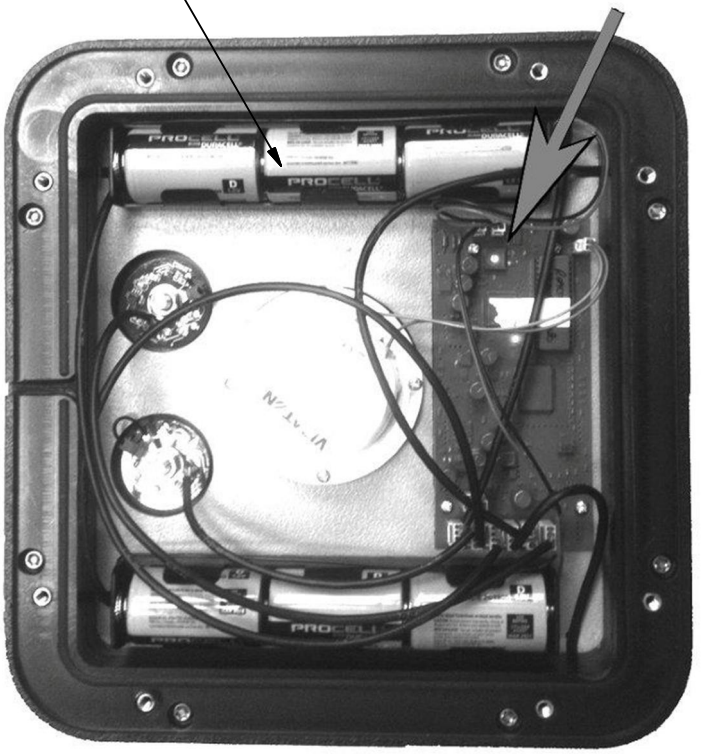
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




BATTERY REPLACEMENT:
(6) D-CELL BATTERIES

AADJUST VOLUME HERE



TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOOL PROVIDED.

PLEASE CONSIDER OUR ENVIRONMENT WHEN DISPOSING OF WASTE BATTERIES. OLD BATTERIES SHOULD BE SENT TO A LICENSED RECYCLING FACILITY FOR PROPER PROCESSING.

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ISSUED/REVISED: 11/18/2020

# 90868 SPLITTER WITH CRAG

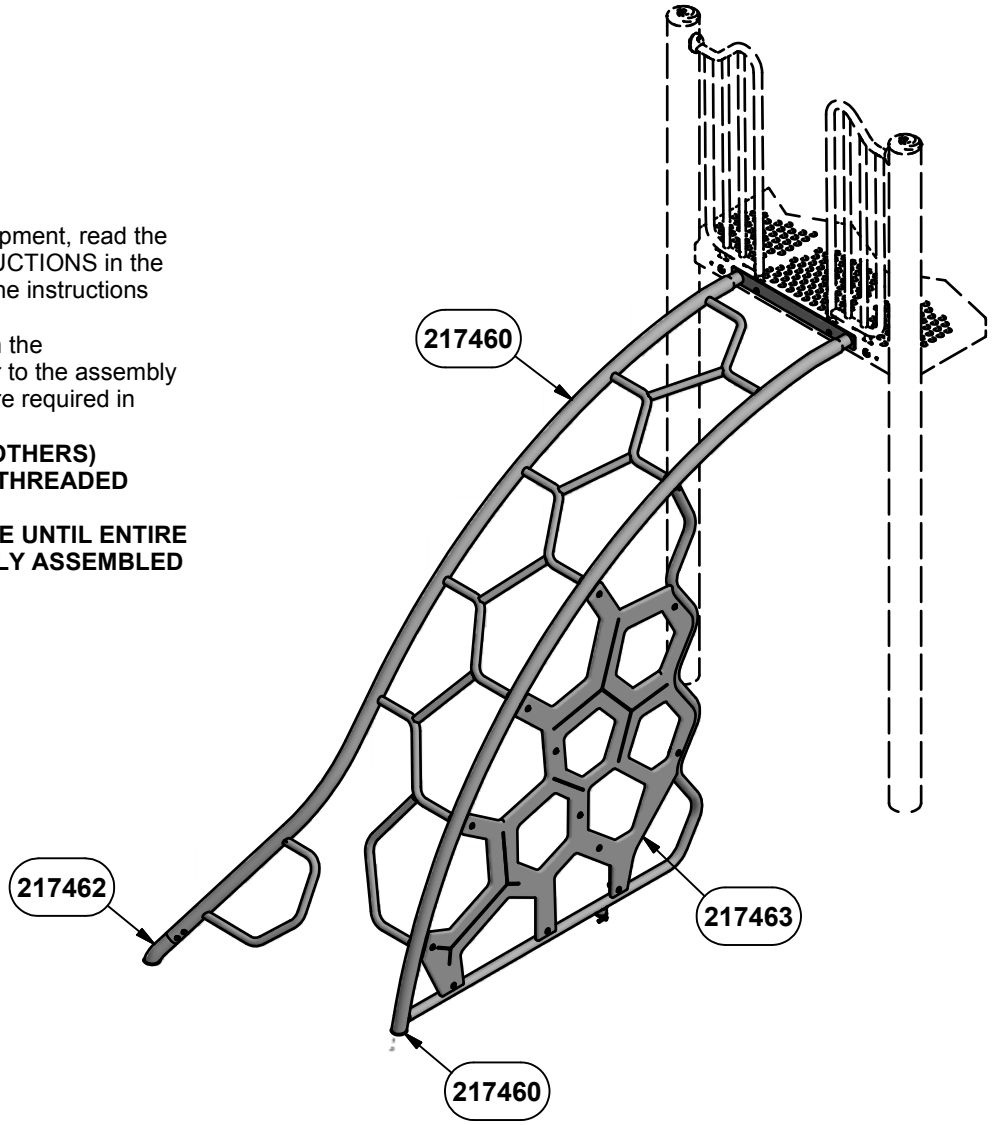
This play equipment is designed for CHILDREN 5 TO 12 YEARS OLD Adult supervision is recommended

Enriching Childhood Through Play.™ www.gametime.com

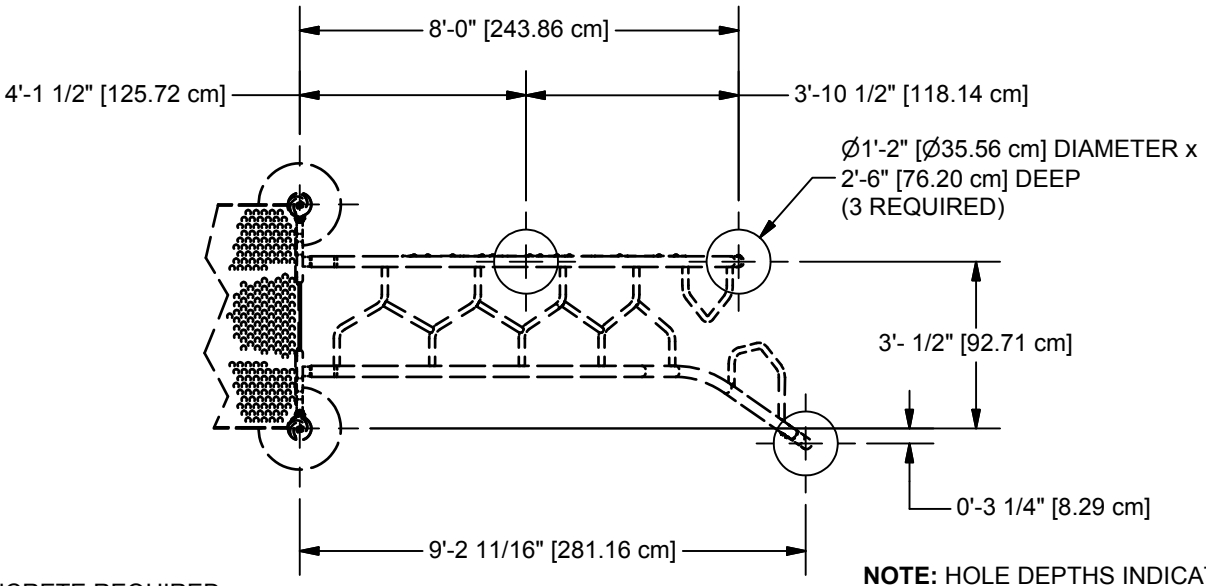
| | |
|---|---|
| 6'-0" | 90868 |
| 7'-0" | 90869 |
| 8'-0" | 90870 |

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



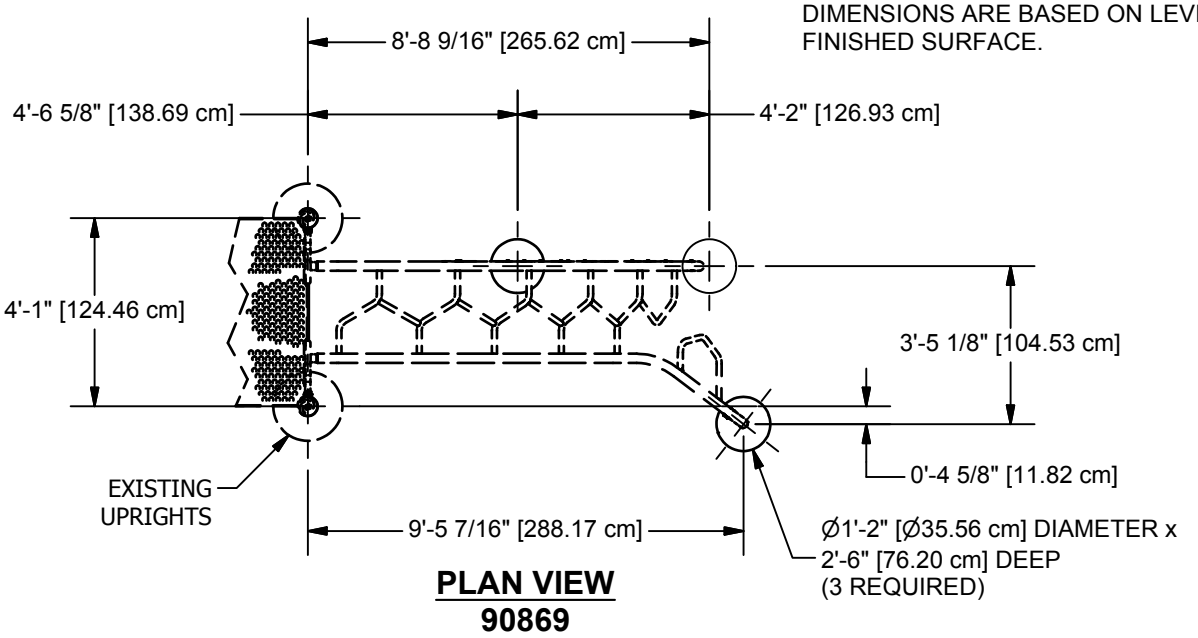

**ASSEMBLY VIEW**
90869 SHOWN



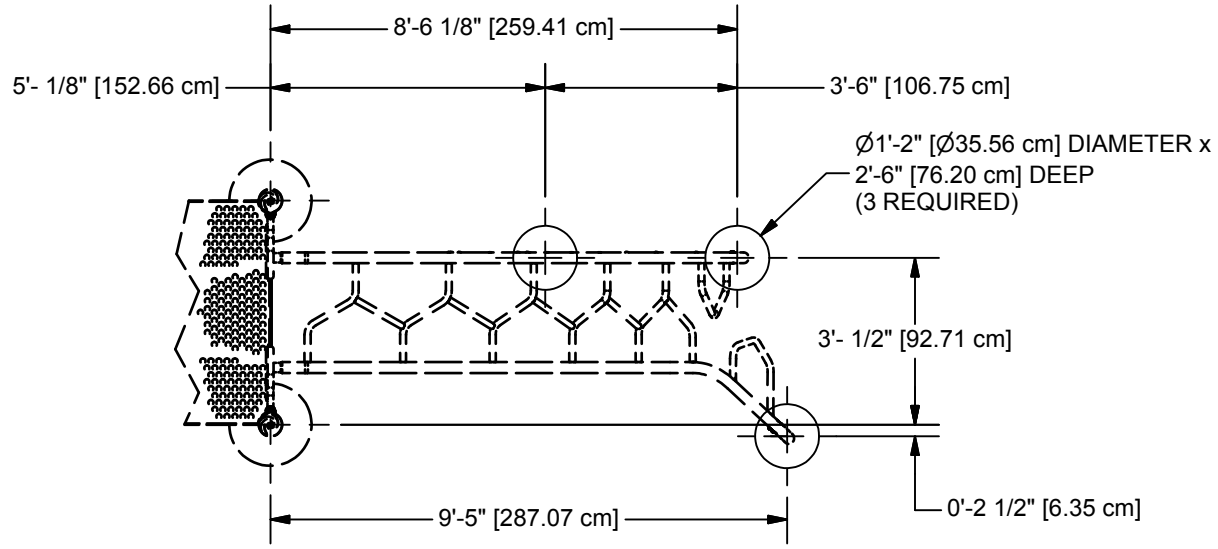

CONCRETE REQUIRED:
.18 CUBIC YARDS
[.14 CUBIC METERS]

**PLAN VIEW**
**90868**

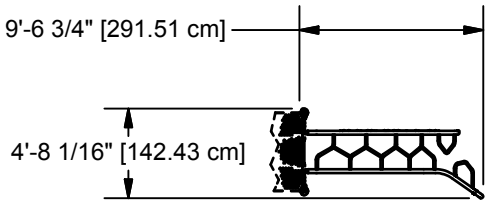
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



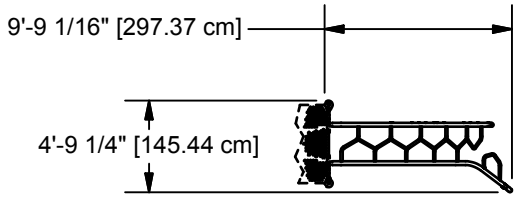

**PLAN VIEW**
**90869**



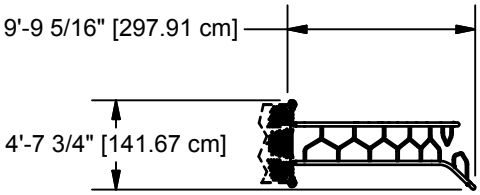

**PLAN VIEW**
**90870**



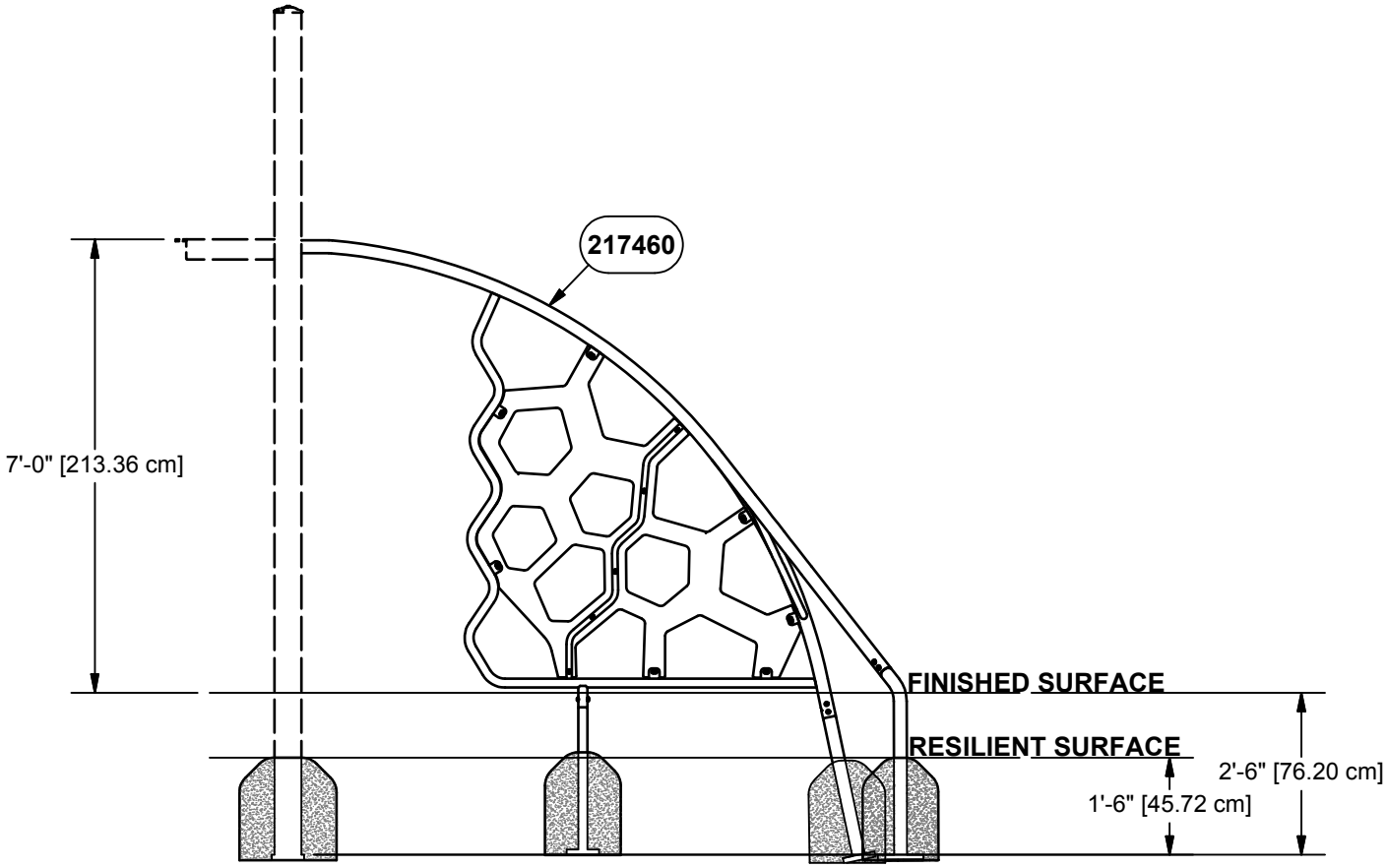

**TOP VIEW**
90868 SHOWN



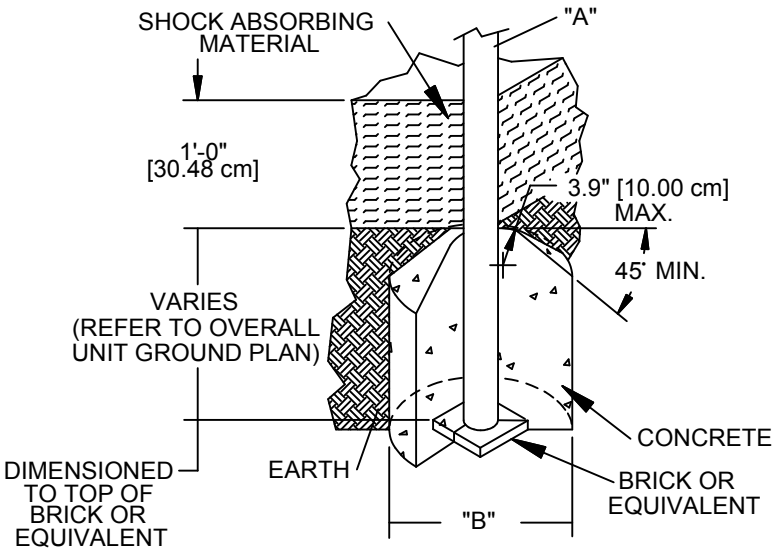

**TOP VIEW**
90869 SHOWN




**TOP VIEW**
90870 SHOWN




**ELEVATION VIEW**
90869 SHOWN
OTHERS SIMILAR

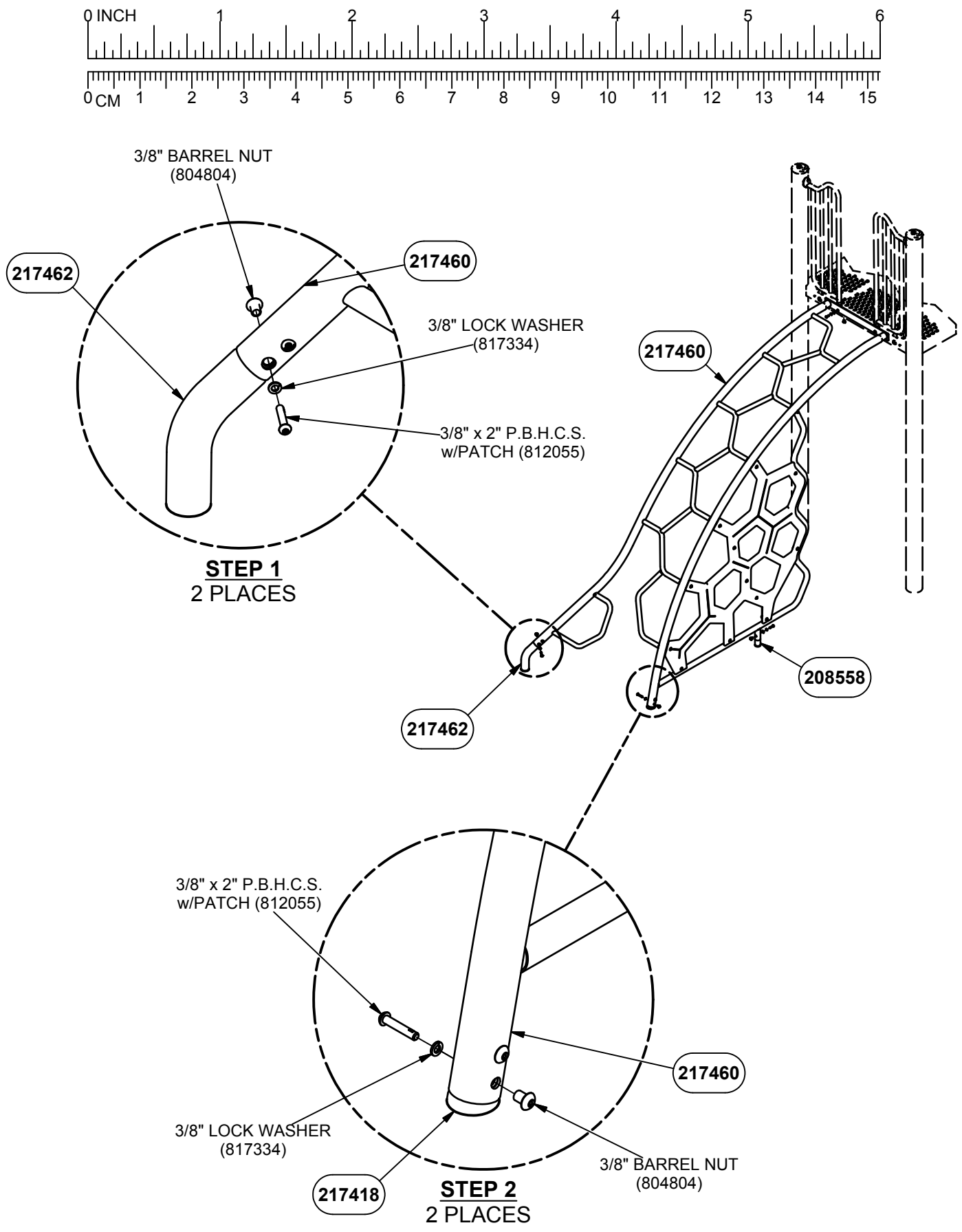



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

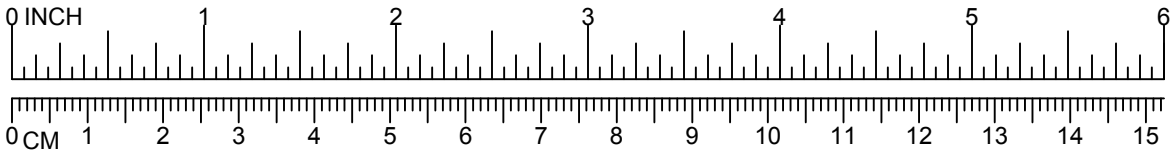
## FOOTING DETAIL

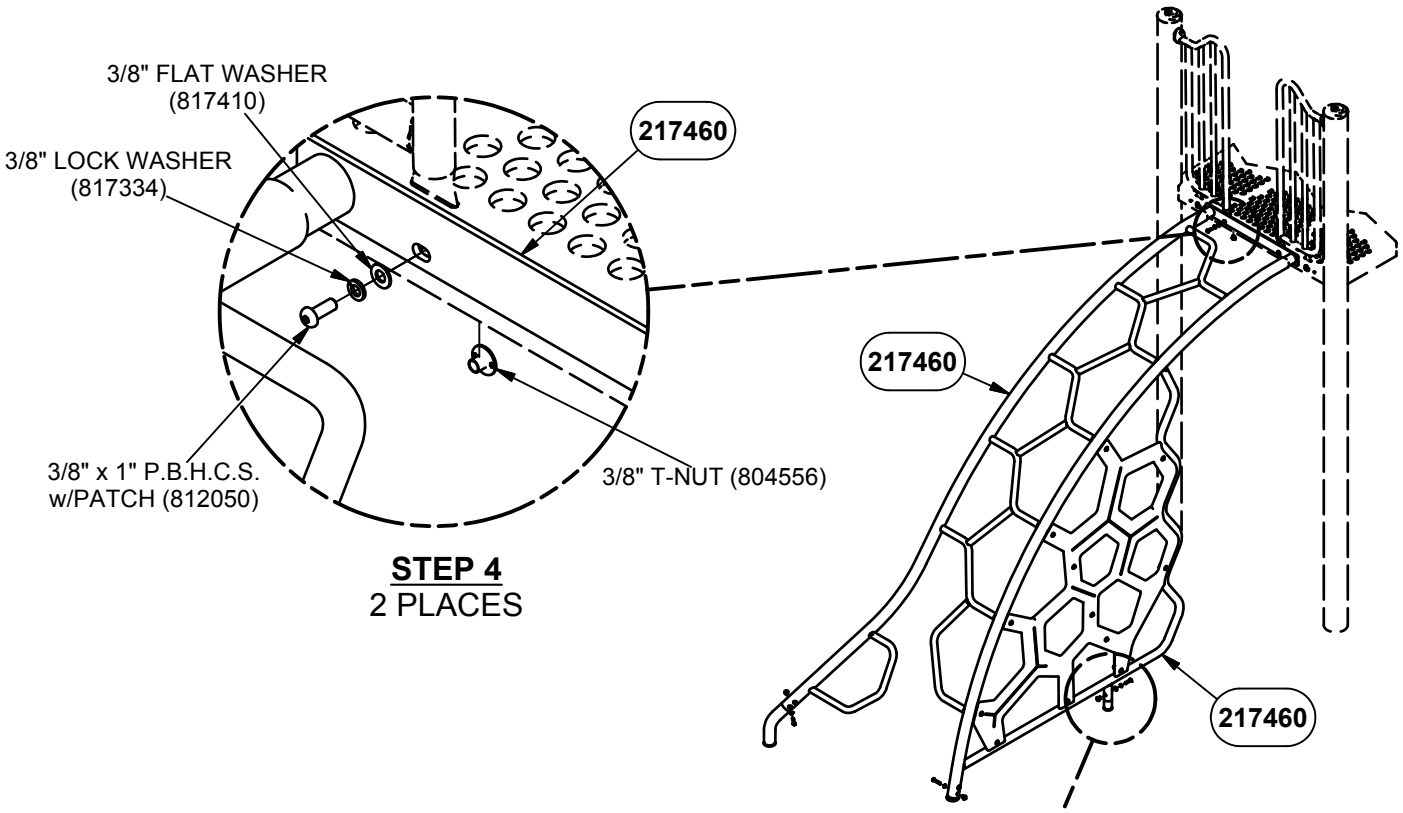



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

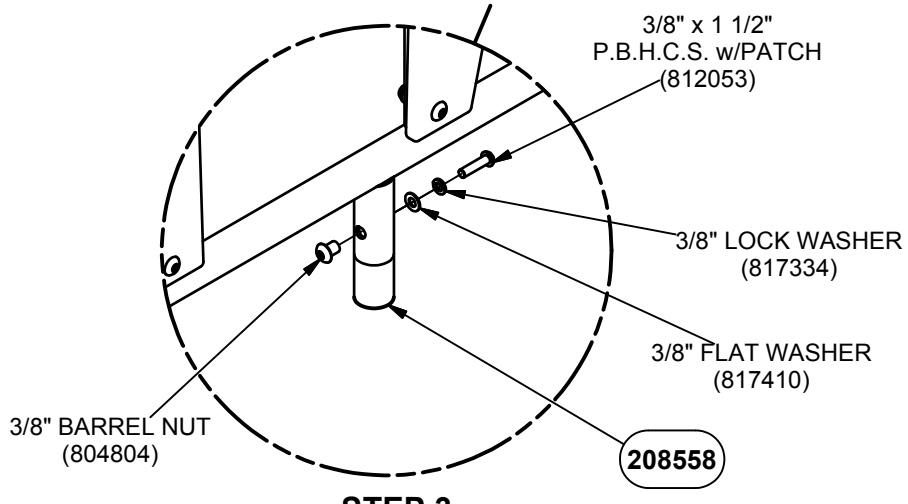


## DETAIL VIEW




**STEP 4**
2 PLACES

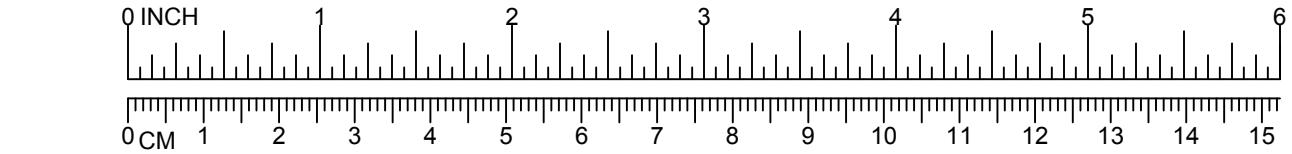


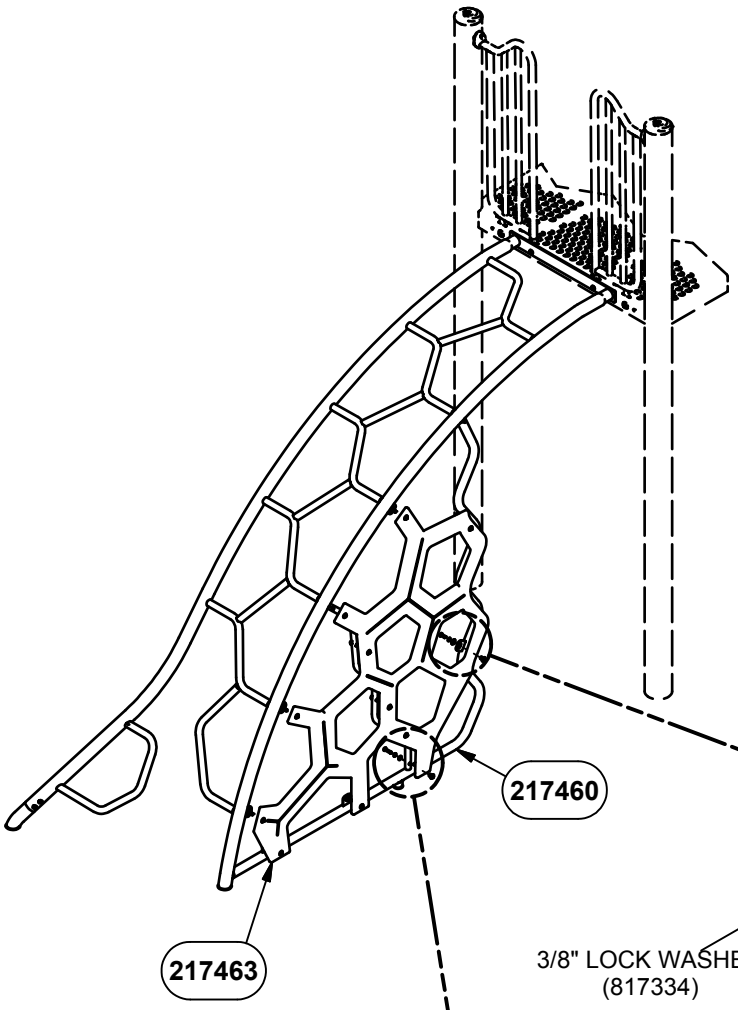

**STEP 3**

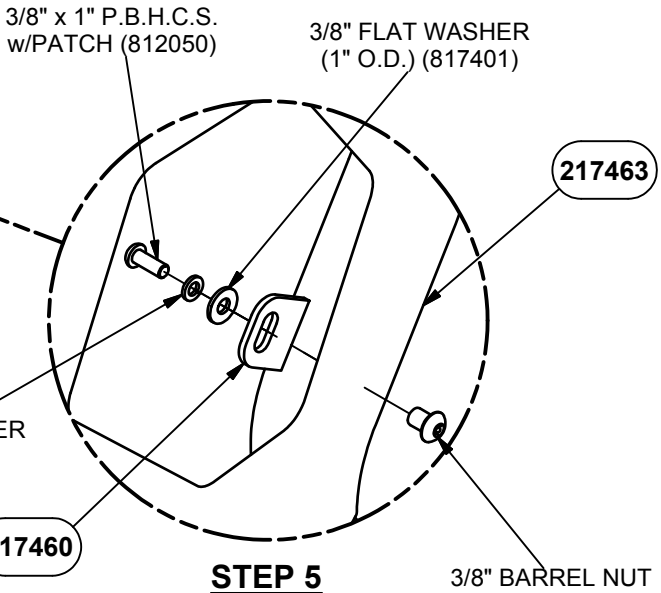
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



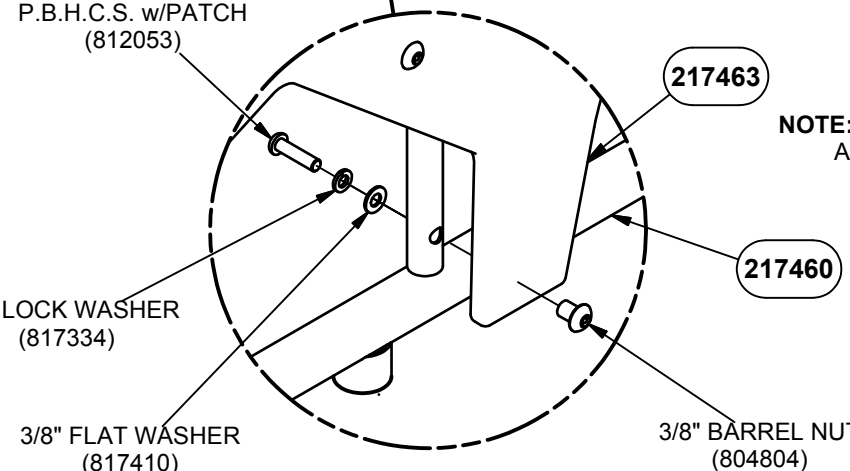
**DETAIL VIEW**




**STEP 5**
7 PLACES




**STEP 4**
5 PLACES

**NOTE:** USE WELD ASSEMBLY (217460) HOLES AS TEMPLATE TO FIELD DRILL 9/16" HOLES IN HDPE PANELS

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 90868 | 90869 | 90870 | PART NUMBER |
| SPLITTER WELD ASSEMBLY | 1 | 0 | 0 | 217408 |
| SPLITTER WELD ASSEMBLY | 0 | 1 | 0 | 217460 |
| SPLITTER WELD ASSEMBLY | 0 | 0 | 1 | 217469 |
| SWAGED FORMED PIPE | 1 | 0 | 0 | 217416 |
| SWAGED FORMED PIPE | 0 | 1 | 0 | 217462 |
| SWAGED FORMED PIPE | 0 | 0 | 1 | 217471 |
| SWAGED PIPE | 1 | 1 | 1 | 217418 |
| SWAGED PIPE | 1 | 1 | 1 | 208558 |
| SPLITTER STRETCHED HEX HDPE | 1 | 0 | 0 | 208518 |
| SPLITTER STRETCHED HEX HDPE | 0 | 1 | 0 | 217463 |
| SPLITTER STRETCHED HEX HDPE | 0 | 0 | 1 | 217472 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 217473 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 217474 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 217475 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 10 | 9 | 10 | 812050* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 5 | 6 | 6 | 812053* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812055* |
| 3/8" FLAT WASHER (1" O.D.) | 8 | 7 | 8 | 817401* |
| 3/8" LOCK WASHER | 19 | 19 | 20 | 817334* |
| 3/8" FLAT WASHER | 7 | 8 | 8 | 817410* |
| 3/8" BARREL NUT | 17 | 17 | 18 | 804804* |
| 3/8" T-NUT | 2 | 2 | 2 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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**ISSUED/REVISED: 10/04/13**

# 91010 ARCHWAY W/SOCKET 3D

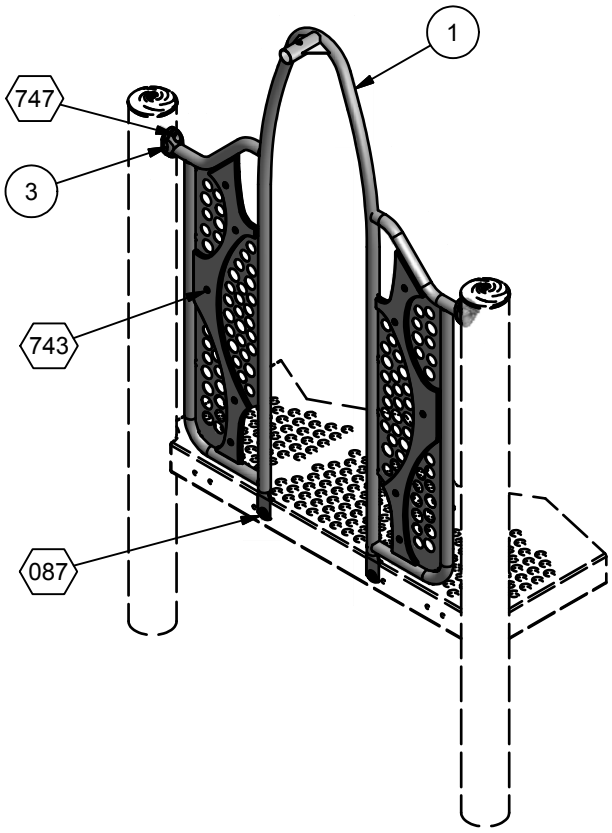
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

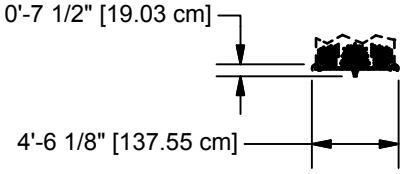



## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***ASSEMBLY VIEW***




***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | ARCHWAY w/SOCKET 3D | 1 | 206345 |
| 2 | TRIM | 2 | 207401 |
| 3 | TRU-LOC | 2 | Z03650 |
| | ***HARDWARE COMPLETE*** | 1 | 205367 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| | 3/8" LOCKWASHER | 4 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| | 3/8" T-NUT | 2 | 804556* |
| | ALUM. PIN | 2 | 203568* |
| | 1/4" FLAT WASHER (5/8" O.D.) | 10 | 817408* |
| | 1/4" CHERRY-MATE RIVET | 10 | 135499* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

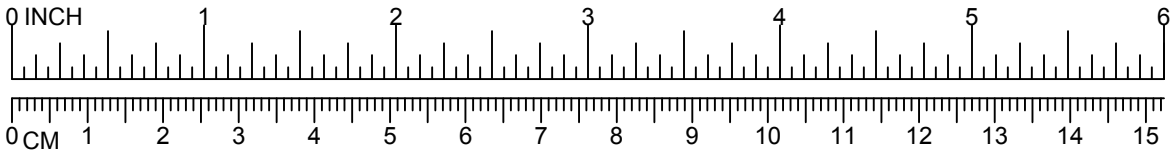
# DETAILS -for-
# 91010

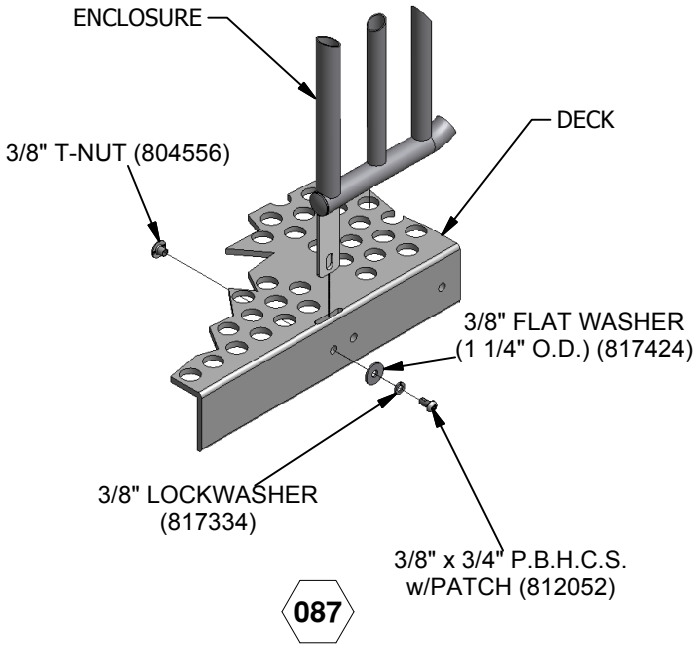
*IMPORTANT*

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



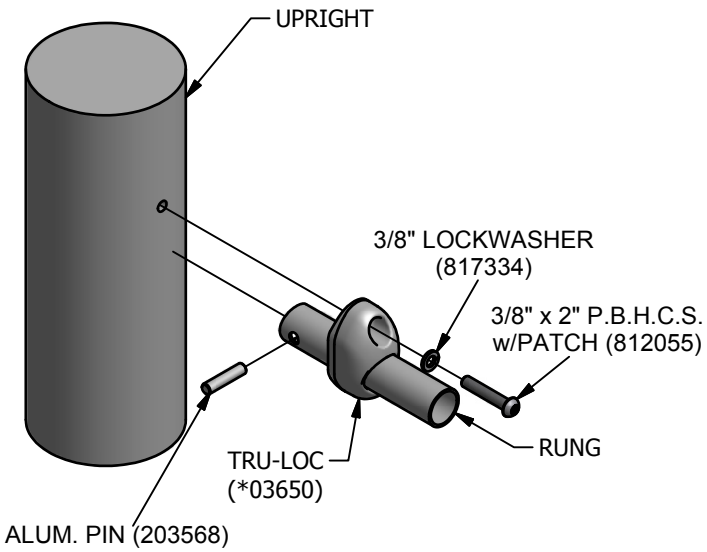




087

***NOTE:**
BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLTION.

( * = A OR Z )

747



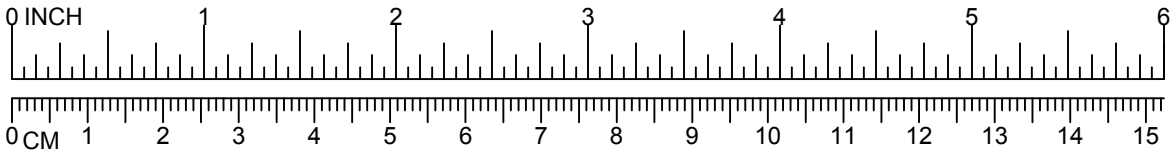
# DETAILS -for-
# 91010

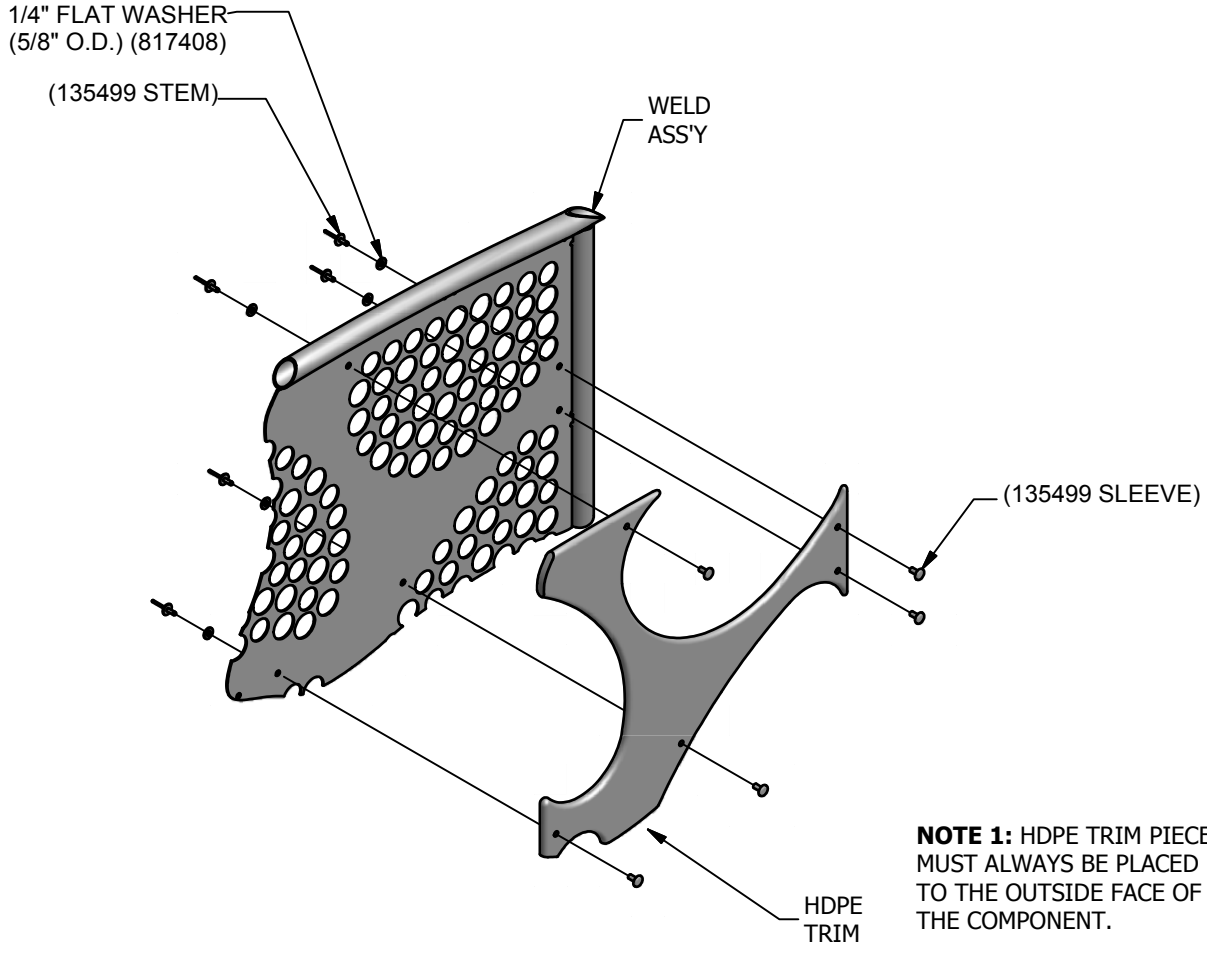
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




743

**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 09/23/2021

# 91030 SHADOW GROVE 3D

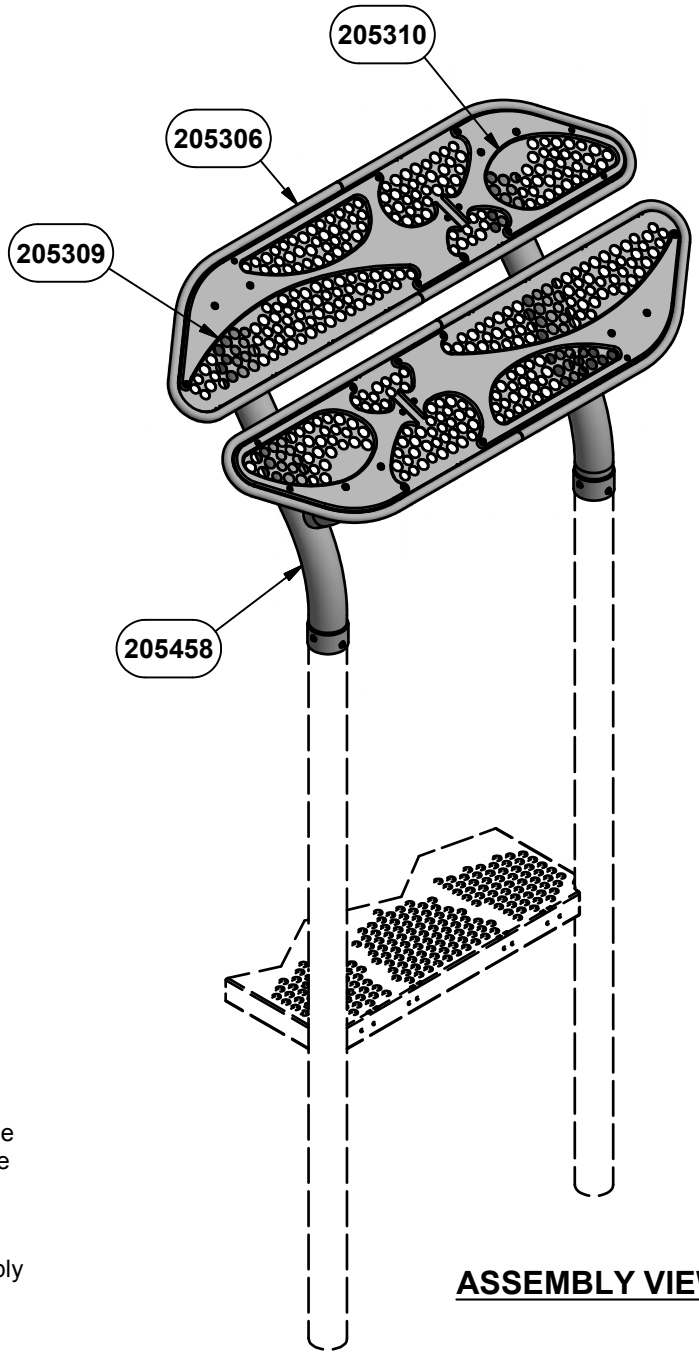



UP TO 5'-0" DECK HEIGHTS




ALL DECK HEIGHTS

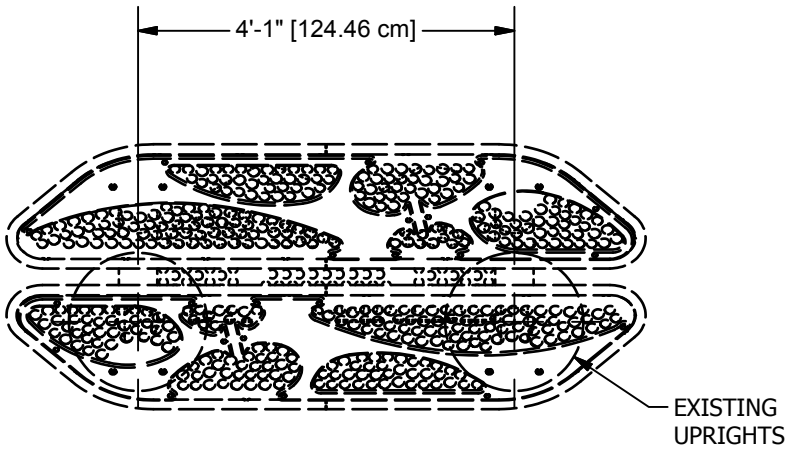
**0'-6" THRU 7'-0" 91030**
**7'-6" THRU 8'-0" 91055**



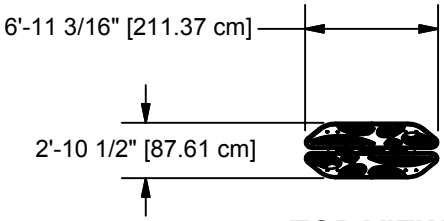

**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

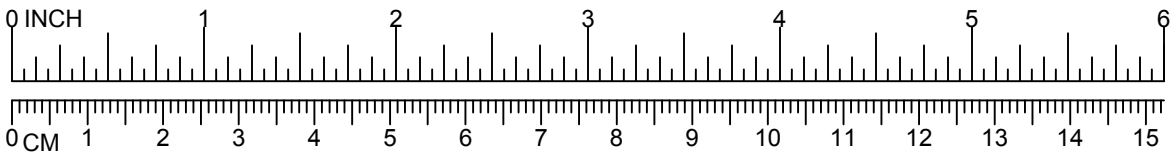
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**PLAN VIEW**




**TOP VIEW**




3/8" LOCK WASHER (817334)

3/8" FLAT WASHER (817410)

3/8" x 1" P.B.H.C.S. w/PATCH (812050)

**205309** OR **205310**

**FRONT**

**205306**

3/8" T-NUT (804556)

**BACK**

**205458**

**205309** **205310**

**205306**

**205458**

**STEP 2**
8 PLACES

**205458**

3/8" BARREL NUT (804804)

3/8" BARREL NUT (804804)

3/8" FLAT WASHER (817410)

3/8" LOCK WASHER (817334)

3/8" FLAT WASHER (817410)

3/8" LOCK WASHER (817334)

3/8" x 5" P.B.H.C.S. w/PATCH (812078)

3/8" x 5" P.B.H.C.S. w/PATCH (812078)

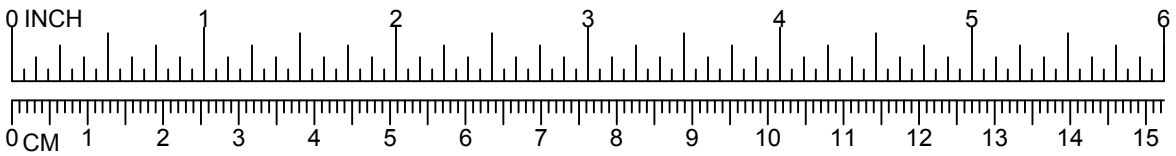
**NOTE:** LARGE HOLE MUST RECEIVE HEAD OF BOLT.

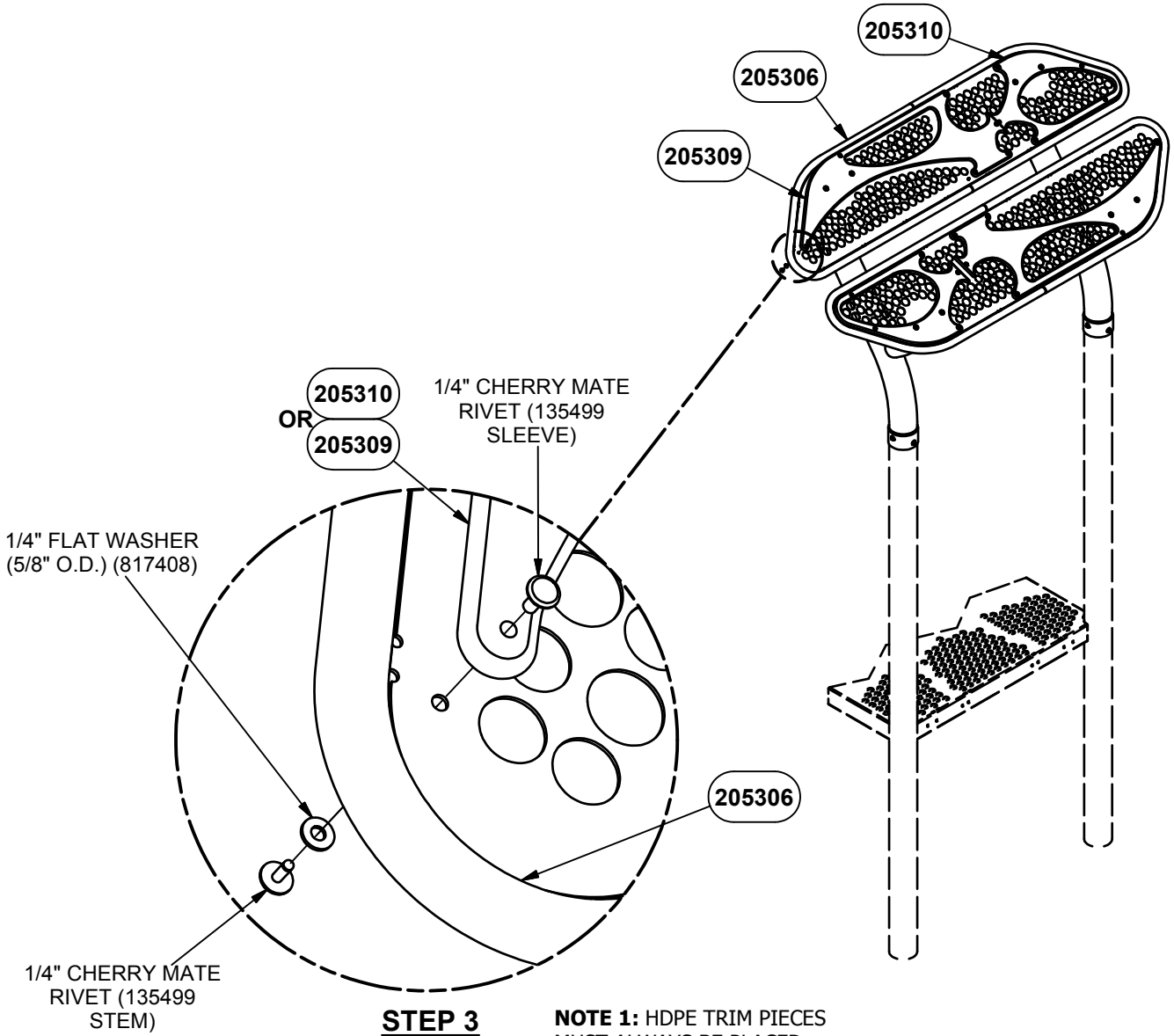
**STEP 1**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




**STEP 3**
22 PLACES

**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 91030 | 91055 | PART NUMBER |
| SHADOW TREE WELD ASSEMBLY | 0 | 2 | 205403 |
| SHADOW TREE WELD ASSEMBLY | 2 | 0 | 205458 |
| FORMED TOP WELD ASSEMBLY | 2 | 2 | 205306 |
| SHADOW GROVE TRIM SMALL | 2 | 2 | 205310 |
| SHADOW GROVE TRIM LARGE | 2 | 2 | 205309 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 205356 |
| 1/4" CHERRY MATE RIVET | 22 | 22 | 135499* |
| 1/4" FLAT WASHER (5/8" O.D.) | 22 | 22 | 817408* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 812050* |
| 3/8" x 5" P.B.H.C.S. w/PATCH | 4 | 4 | 812078* |
| 3/8" FLAT WASHER | 12 | 12 | 817410* |
| 3/8" LOCK WASHER | 12 | 12 | 817334* |
| 3/8" BARREL NUT | 4 | 4 | 804804* |
| 3/8" T-NUT | 8 | 8 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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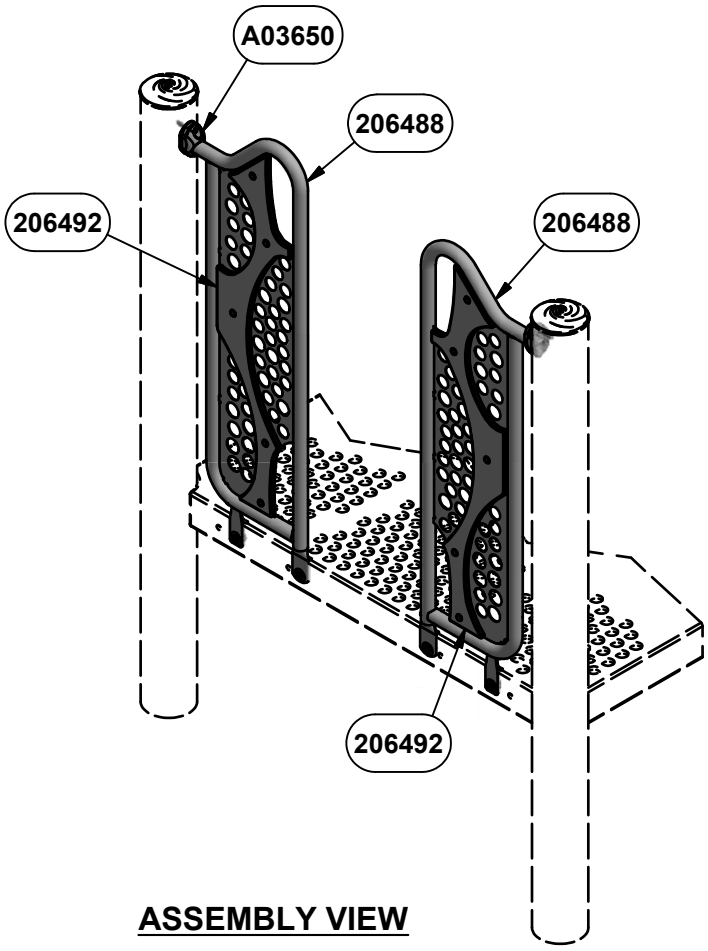
ISSUED/REVISED: 09/14/20

# 91137
# ENTRYWAY
# 3D

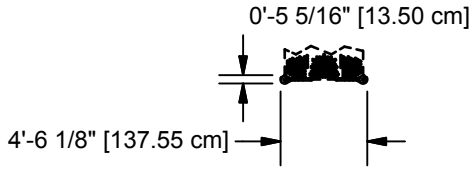



## INSTALLATION INSTRUCTIONS

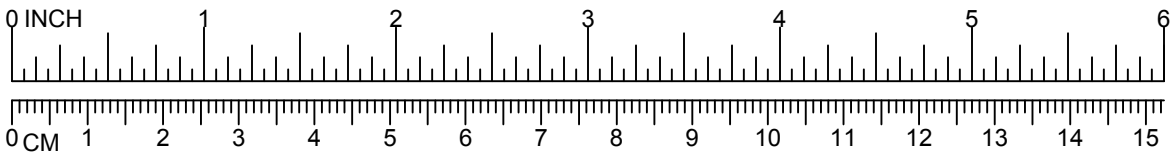
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**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**ASSEMBLY VIEW**




**TOP VIEW**




3/8" LOCK WASHER
(817334)

ALUM. PIN
(203568)

A03650

3/8" x 2" P.B.H.C.S.
w/PATCH
(812055)

**NOTE:** BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.

A03650

206488

206488

206488

206492

**STEP 2**
2 PLACES

**STEP 1: INSERT TABS OF
ENTRYWAY TRIM WELD ASSEMBLY
INTO SLOT OF DECK**

3/8" FLAT WASHER
(1 1/4" O.D.)
(817424)

206488

3/8" LOCK WASHER
(817334)

3/8" x 3/4" P.B.H.C.S.
w/PATCH
(812052)

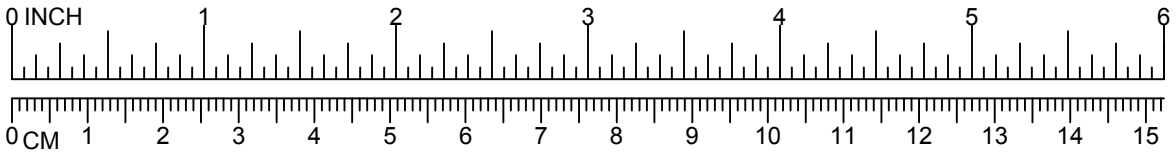
3/8" T-NUT
(804556)

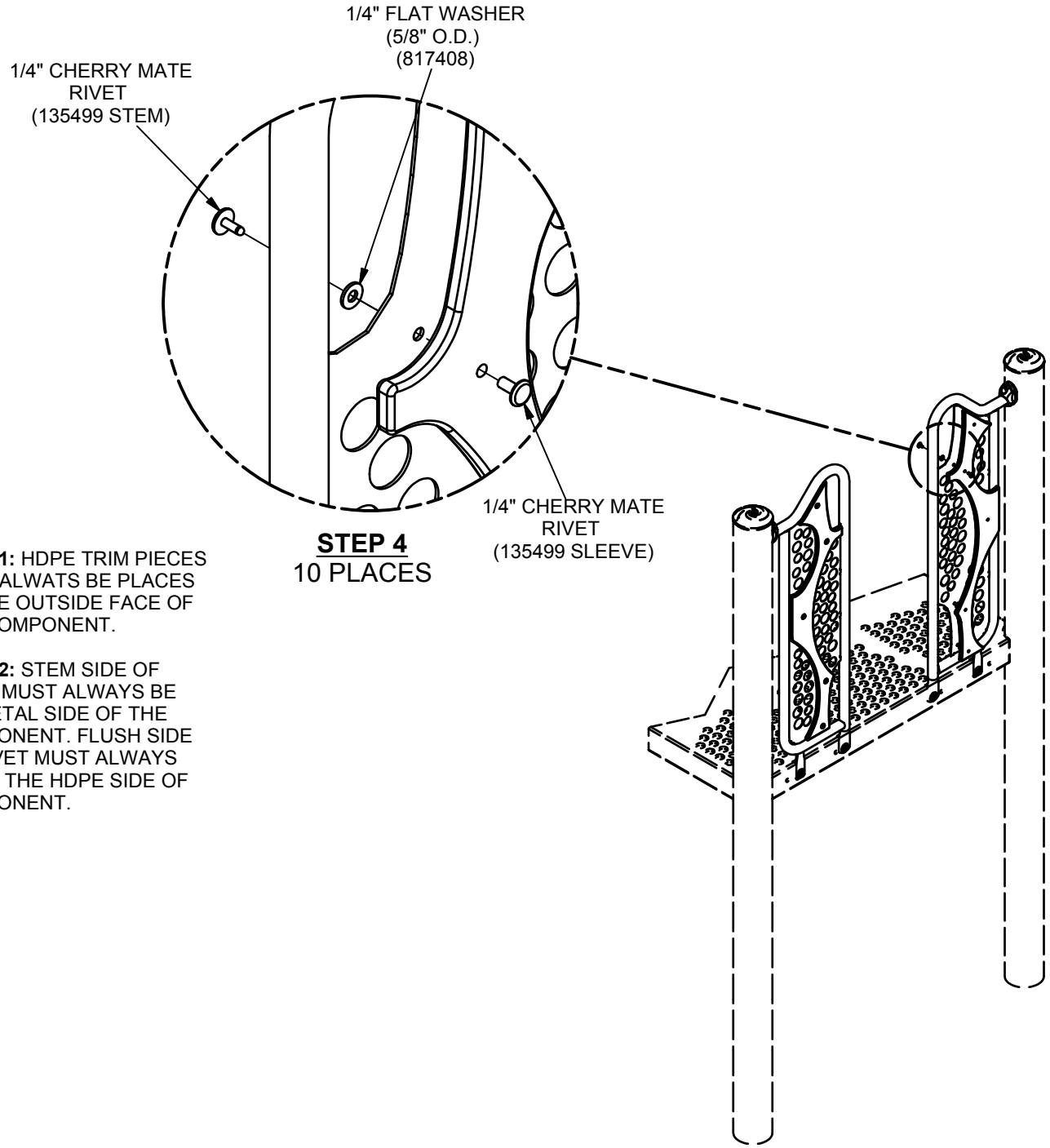
**STEP 3**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




**STEP 4**
10 PLACES

**NOTE 1:** HDPE TRIM PIECES MUST ALWATS BE PLACES TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



**DETAIL VIEW**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| 3D ENTRYWAY | 2 | 206488 |
| ENTRYWAY TRIM | 2 | 206492 |
| TRU-LOC | 2 | A03650 |
| ***HARDWARE COMPLETE*** | 1 | 206585 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| 3/8" T-NUT | 4 | 804556* |
| 3/8" LOCK WASHER | 6 | 817334* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 1/4" FLAT WASHER (5/8" O.D.) | 10 | 817408* |
| 1/4" CHERRY MATE RIVET | 10 | 135499* |
| ALUM. PIN | 2 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

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ISSUED/REVISED: 12/21/15

# 91138
# LOW & HIGH POINT ENTRYWAY 3D

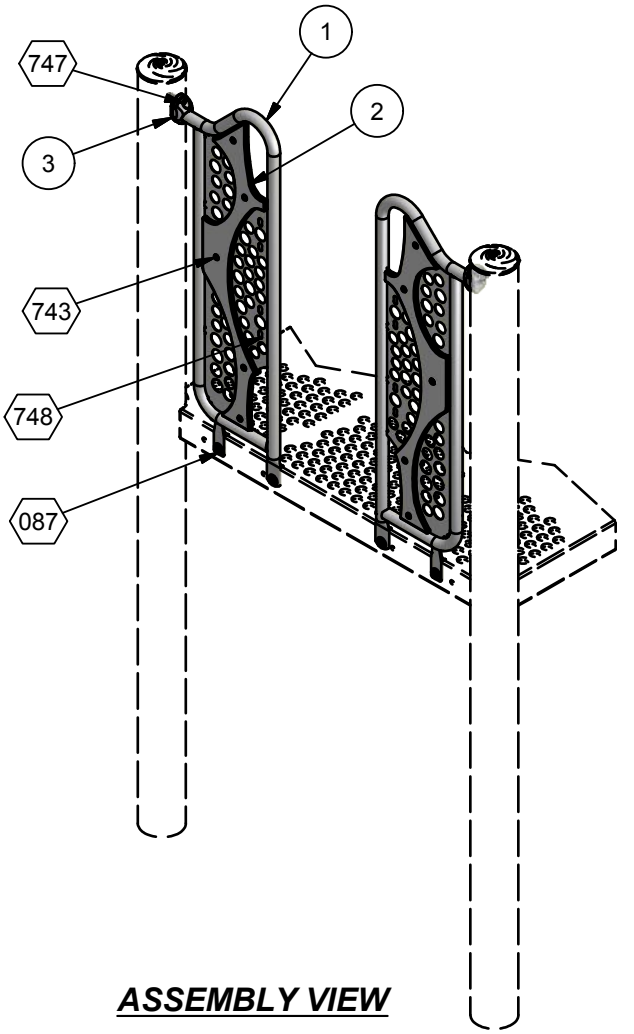
⬡ = INSTALLATION DETAIL

◯ = PARTS LIST REFERENCE

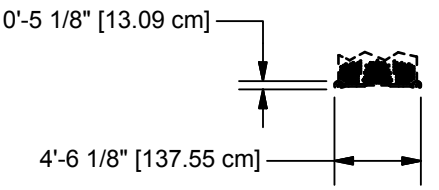



## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***ASSEMBLY VIEW***




***TOP VIEW***

| Parts List | | | |
|---|---|---|---|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | 3D ENTRYWAY | 2 | 206496 |
| 2 | ENTRYWAY TRIM | 2 | 206492 |
| 3 | TRU-LOC | 2 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 211325 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 8 | 812052* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| | 3/8" LOCKWASHER | 6 | 817334* |
| | 3/8" FLATWASHER | 4 | 817410* |
| | 3/8" FLATWASHER (1 1/4" O.D.) | 12 | 817424* |
| | 3/8" ACORN NUT | 4 | 804002* |
| | ALUM. PIN | 2 | 203568* |
| | 1/4" CHERRY-MATE RIVET | 10 | 135499* |
| | 1/4" FLAT WASHER (5/8" O.D.) | 10 | 817408* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

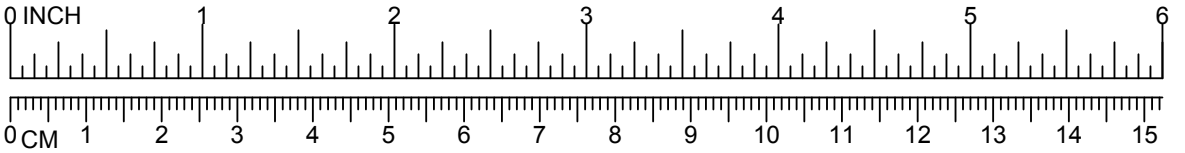
# DETAILS -for-
# 91138

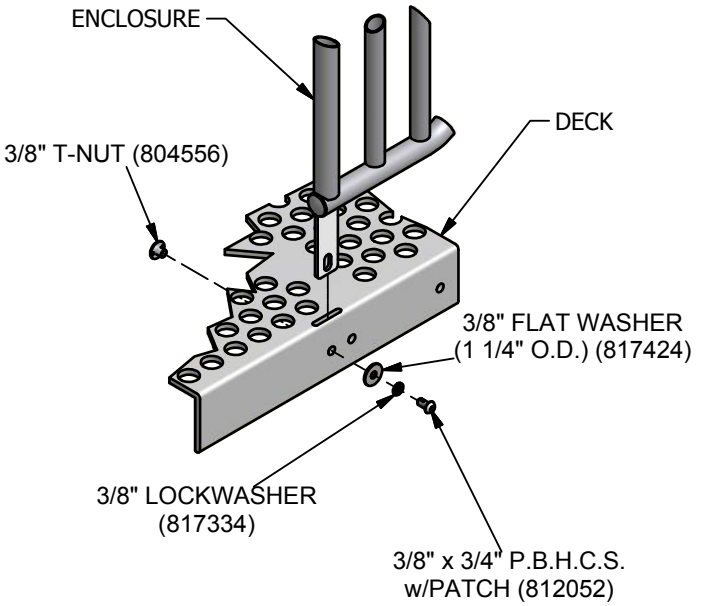
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

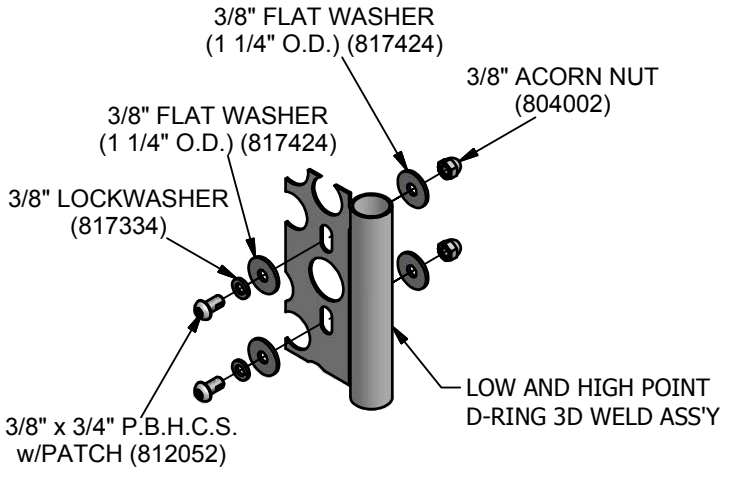



***NOTE:**
BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLTION.

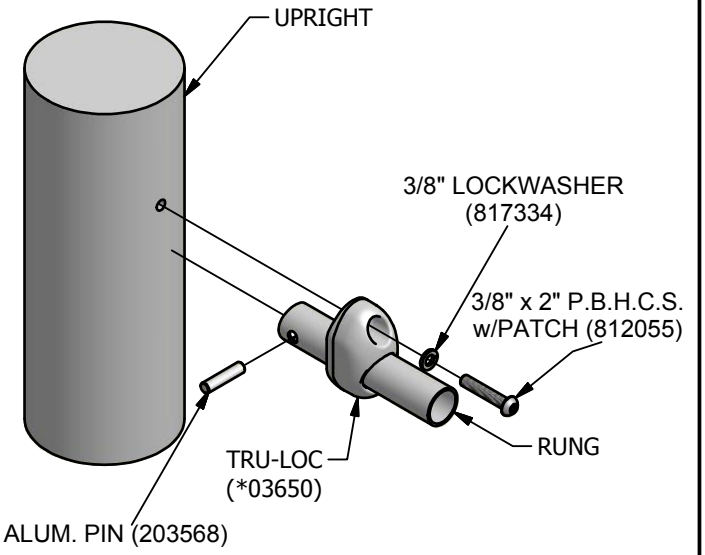
( * = A OR Z )

087




NOTE: PLUG UNUSED SLOTS IN ENTRYWAY.

748




747

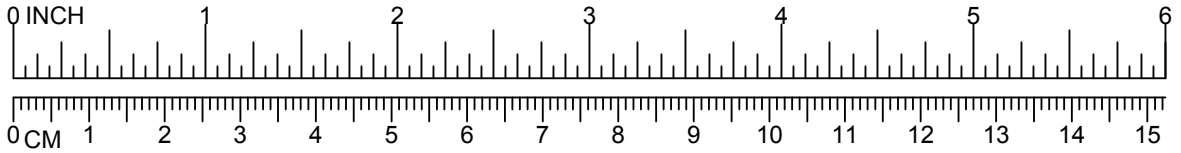
# DETAILS -for-
# 91138

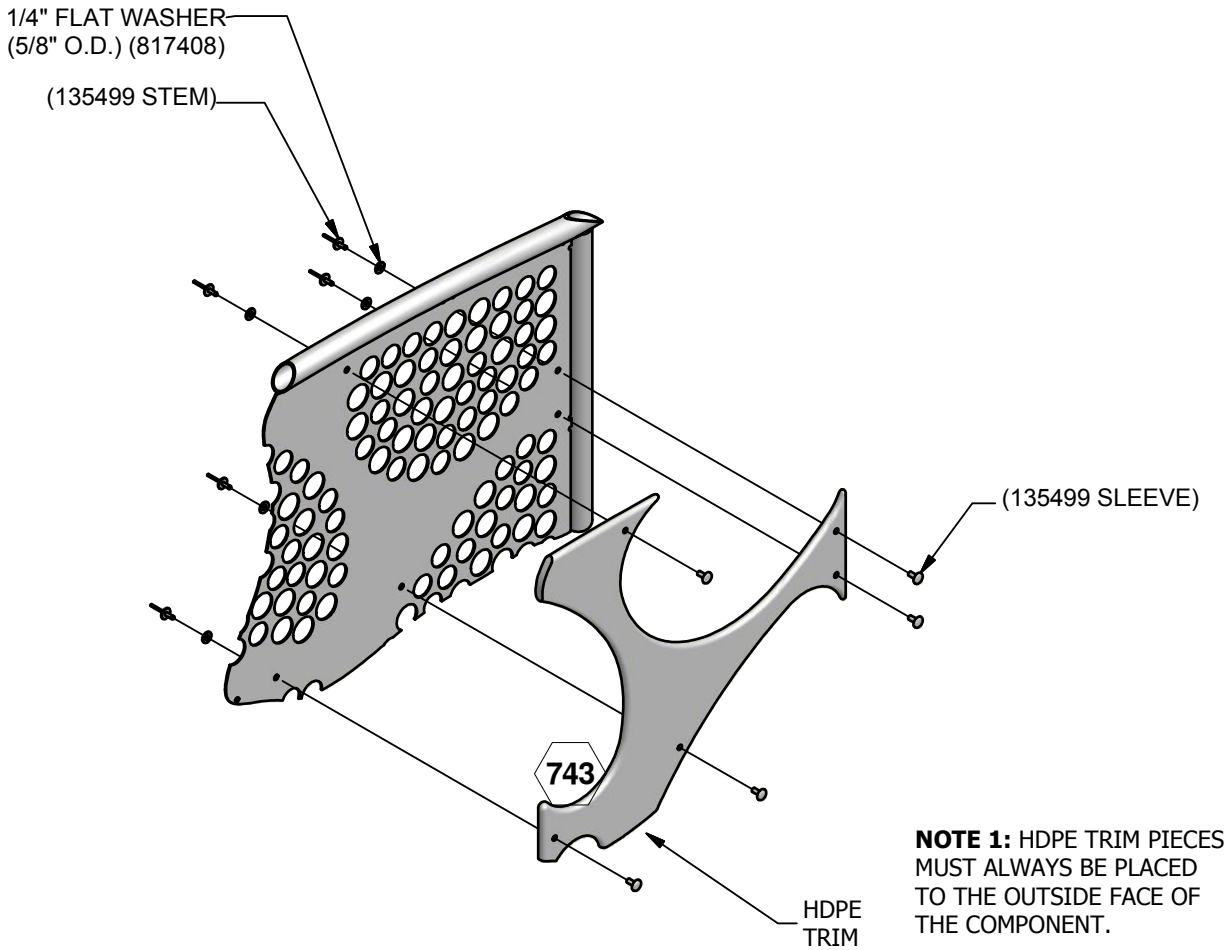
**I**MPORTANT

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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.




**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

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**ISSUED/REVISED: 09/11/20**

# 91139
# ENTRYWAY




91146
2'-6"
OR
BELOW

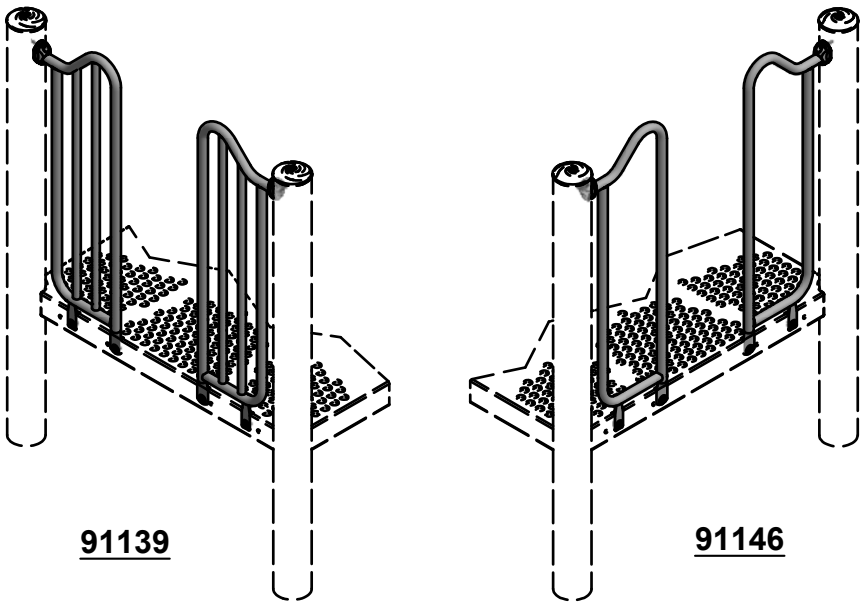



91139




91146
4'-0"
OR
BELOW

**BARRIER 91139**
**GUARDRAIL 91146**

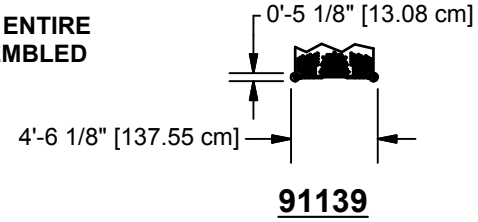


**91139** **91146**

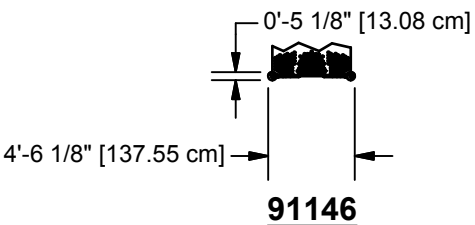
**ASSEMBLY VIEWS**

## INSTALLATION INSTRUCTIONS

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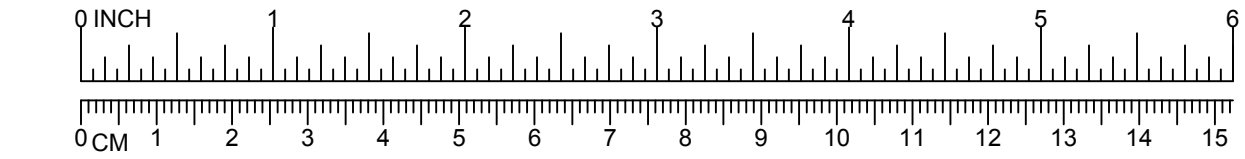


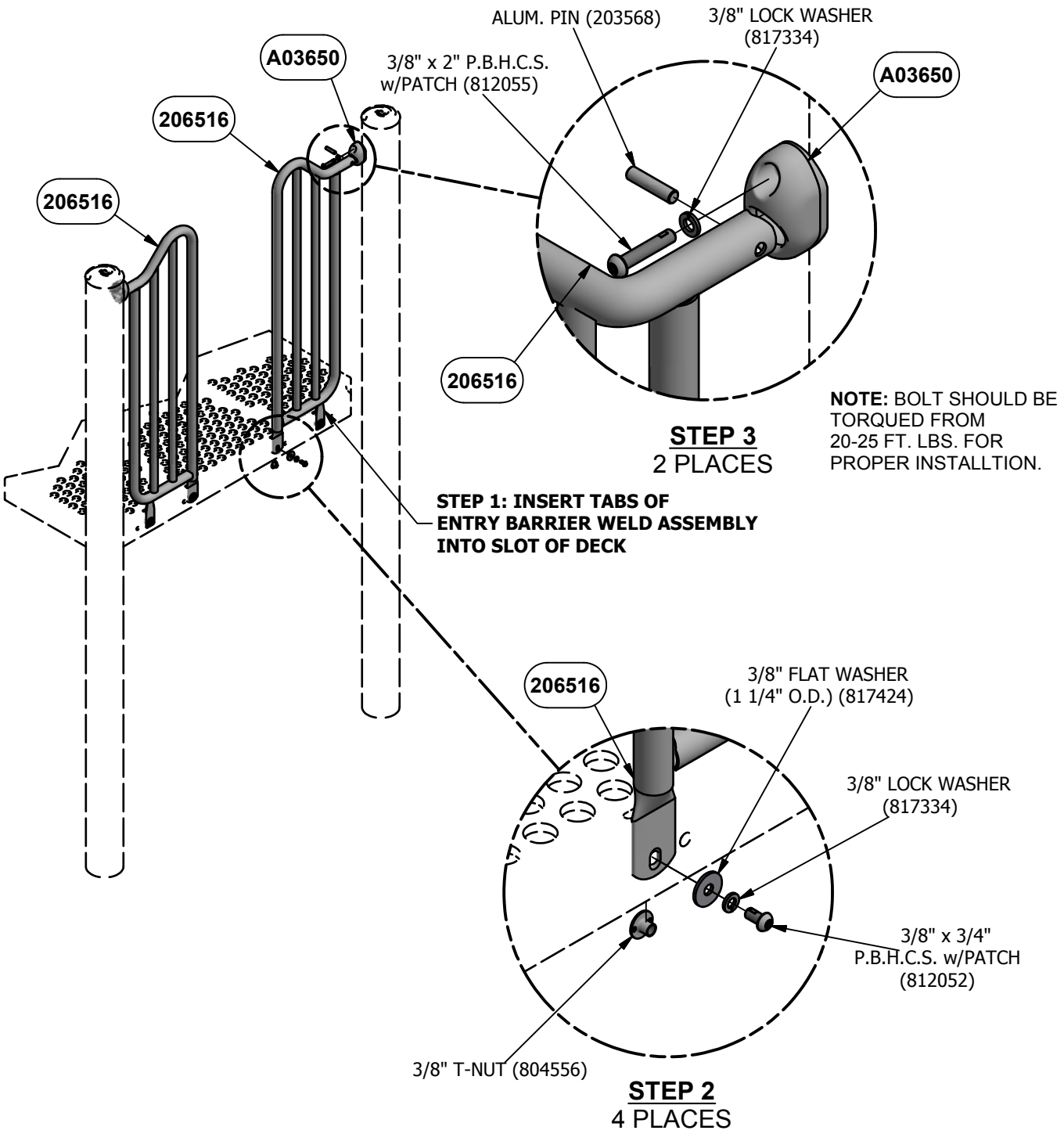

**91139**




**91146**

**TOP VIEWS**




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 91139 | 91146 | PART NUMBER |
| ENTRY BARRIER | 2 | 0 | 206516 |
| GUARDRAIL ENTRY | 0 | 2 | 206002 |
| TRU-LOC | 2 | 2 | A03650 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 206587 |
| ALUM. PIN | 2 | 2 | 203568* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 817424* |
| 3/8" LOCK WASHER | 6 | 6 | 817334* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 4 | 812052* |
| 3/8" T-NUT | 4 | 4 | 804556* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 812055* |

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** Included in Hardware*

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1-800-235-2440
ISSUED/REVISED: 10/18/13

# 91140
# HIGH POINT ENTRYWAY

= INSTALLATION DETAIL

= PARTS LIST REFERENCE




91144
2'-6"
OR
BELOW

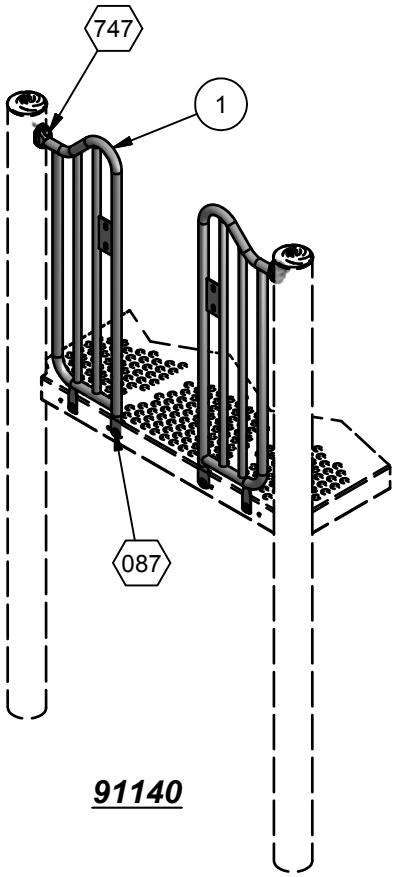



91140

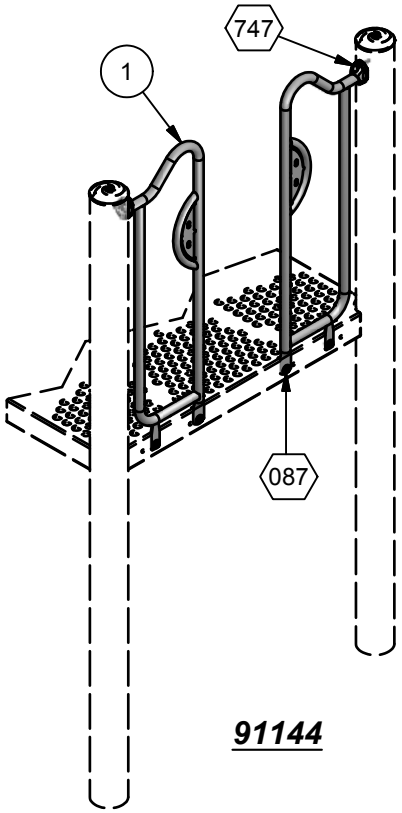



91144
4'-0"
OR
BELOW

**BARRIER 91140**
**GUARDRAIL 91144**




***91140***

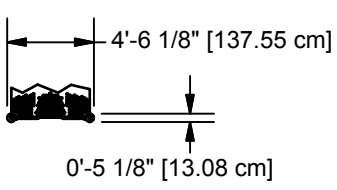



***91144***

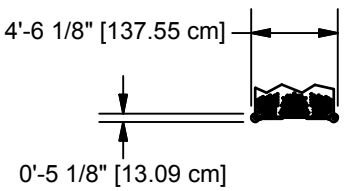
## *ASSEMBLY VIEWS*

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.




***91140***




***91144***

## *TOP VIEWS*

| Parts List | | | | |
|---|---|---|---|---|
| ITEM | DESCRIPTION | 91140 | 91144 | PART NUMBER |
| 1 | ENTRY BARRIER | 2 | 0 | 206550 |
| 1 | ENTRY GUARDRAIL | 0 | 2 | 206563 |
| | TRU-LOC | 2 | 2 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 1 | 206587 |
| | ALUM. PIN | 2 | 2 | 203568* |
| | 3/8" LOCKWASHER | 6 | 6 | 817334* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 812055* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 4 | 812052* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 4 | 817424* |
| | 3/8" T-NUT | 4 | 4 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

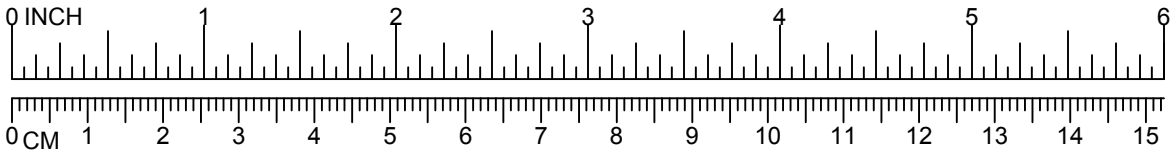
# DETAILS -for-
# 91140 AND 91144

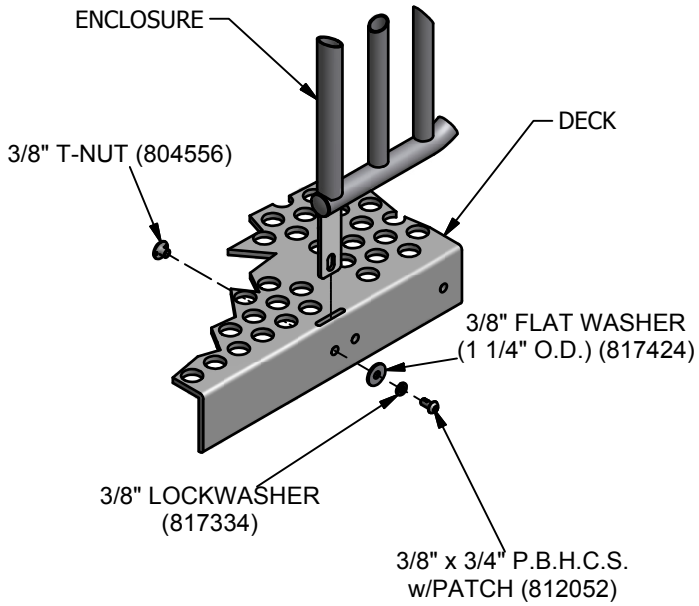
*IMPORTANT*

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

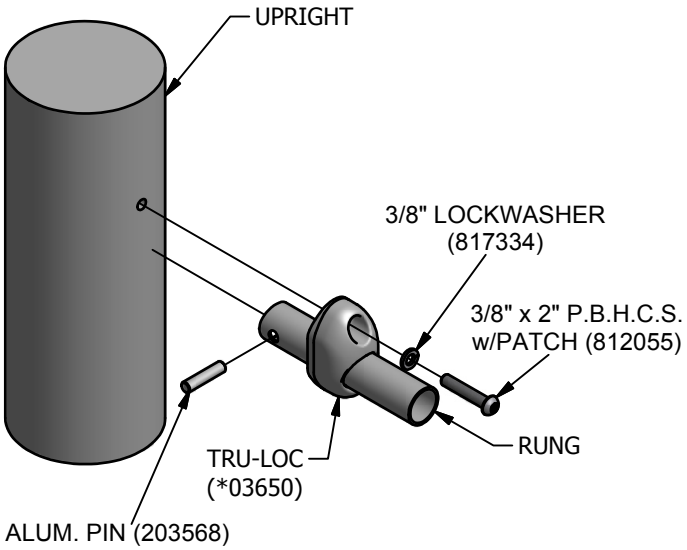



( * = A OR Z )

***NOTE:**
BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLTION.

087



PowerScape

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A PLAYCORE Company

1-800-235-2440

**ISSUED/REVISED: 8/4/22**

# 91149

# ENCLOSURE TIMBERS

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

**ABOVE DECK 91149**
**BELOW DECK 91158**



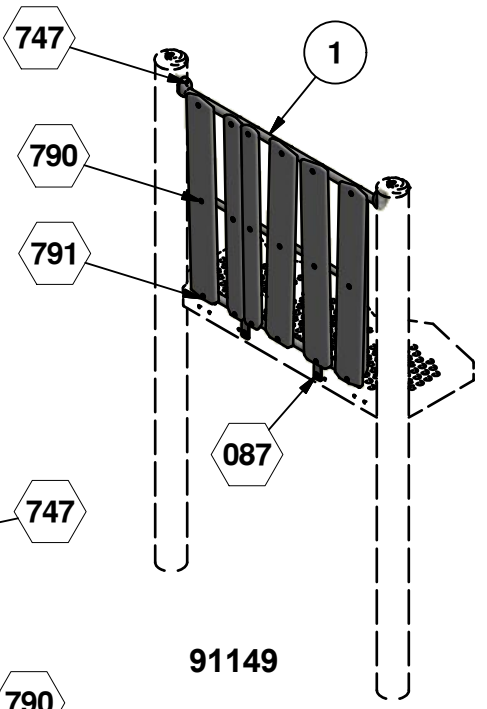

91149
UP TO 5'-0"

91158
4'-0" TO 5'-0"

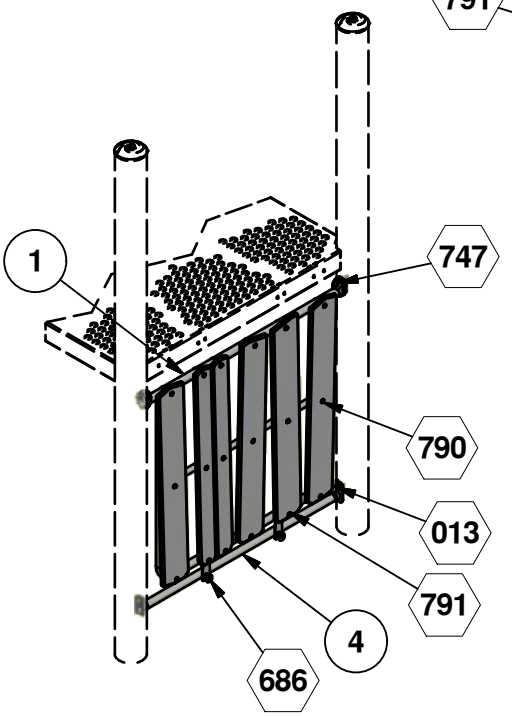



91149
ALL DECKS

91158
5'-6" TO 8'-0"




**91149**

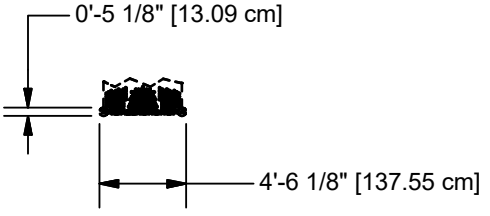



**91158**

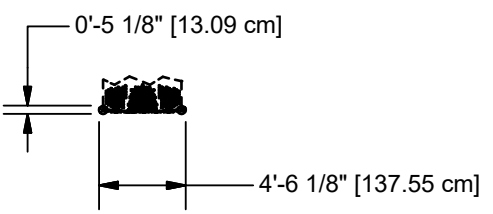
## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installaion booklet; follow all the instructions during installaion.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

## *ASSEMBLY DRAWINGS*

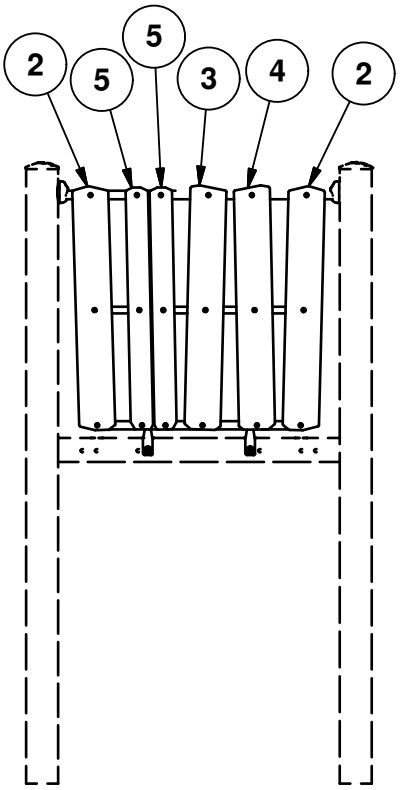



**91149**



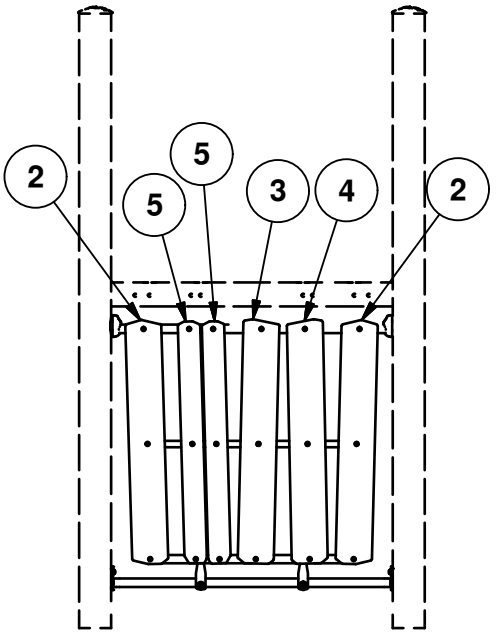

**91158**

## *TOP VIEW*




| TIMBER PACKAGE - 207461 | | |
|---|---|---|
| REF | DESCRIPTION | PART NUMBER |
| 2 | TIMBER 14 (TUDOR BROWN) | 207222 |
| 3 | TIMBER 15 (SAND) | 207221 |
| 4 | TIMBER 16 (TUDOR BROWN) | 207220 |
| 5 | TIMBER 17 (GRAY) | 207223 |

***TIMBER LOCATION***
91149




| TIMBER PACKAGE - 207461 | | |
|---|---|---|
| REF | DESCRIPTION | PART NUMBER |
| 2 | TIMBER 14 (TUDOR BROWN) | 207222 |
| 3 | TIMBER 15 (SAND) | 207221 |
| 4 | TIMBER 16 (TUDOR BROWN) | 207220 |
| 5 | TIMBER 17 (GRAY) | 207223 |

***TIMBER LOCATION***
91158

| Parts List | | | | |
|---|---|---|---|---|
| REF. | DESCRIPTION | 91149 | 91158 | PART NUMBER |
| 1 | TIMBER ENCLOSURE WELD ASS'Y | 1 | 1 | 206673 |
| | ***TIMBER PACKAGE*** | 1 | 1 | 207461 |
| 2 | TIMBER 14 | 2 | 2 | 207222** |
| 3 | TIMBER 15 | 1 | 1 | 207221** |
| 4 | TIMBER 16 | 1 | 1 | 207220** |
| 5 | TIMBER 17 | 2 | 2 | 207223** |
| 6 | MOUNTING PIPE | 0 | 1 | 203900 |
| | TRU-LOC | 2 | 2 | A03650 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 222101 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 222102 |
| | 3/8" LOCK WASHER | 4 | 6 | 817334* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 0 | 812052* |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 0 | 2 | 812051* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 0 | 2 | 812053* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 812055* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 817424* |
| | 3/8" T-NUT | 2 | 2 | 804556* |
| | ALUM. PIN | 2 | 2 | 203568* |
| | 5/16" x 2" P.B.H.C.S. w/PATCH | 12 | 12 | 812046* |
| | 5/16" x 1 3/4" P.B.H.C.S. w/PATCH | 6 | 6 | 812047* |
| | NUT 5/16"- INSERT TYPE 1 | 18 | 18 | HWN0149* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
*** Included in Timber Package*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

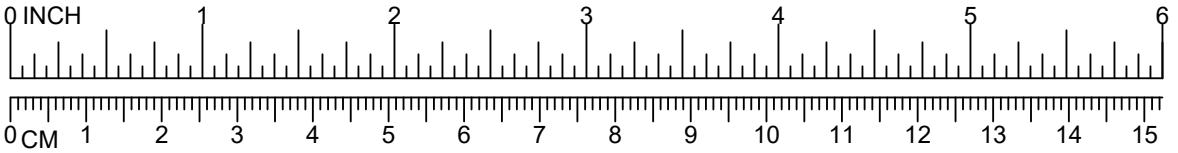
# DETAILS -for-
# 91149 & 91158

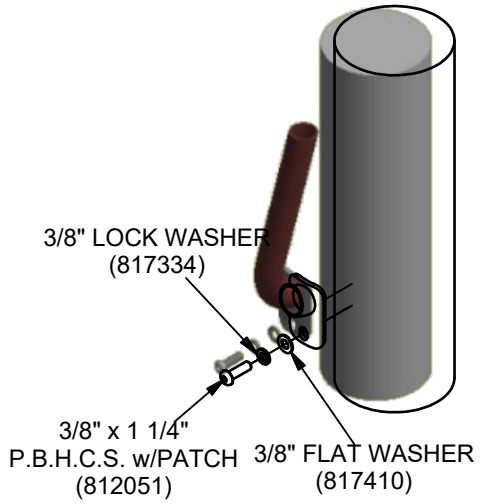
**I**MPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

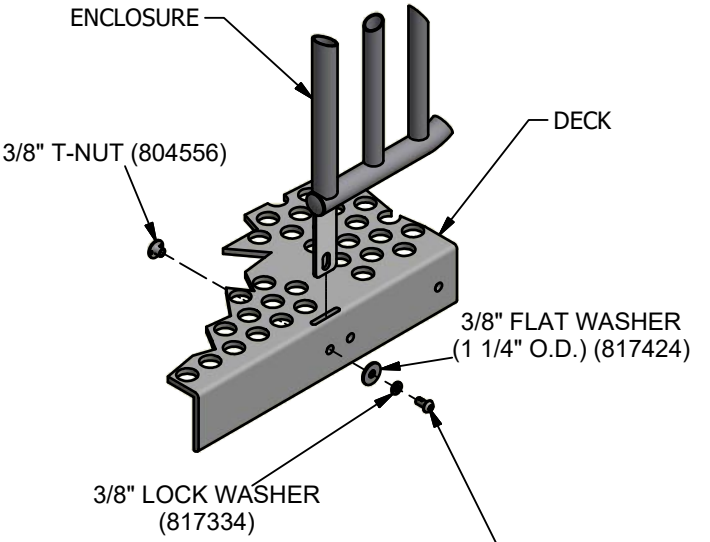
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

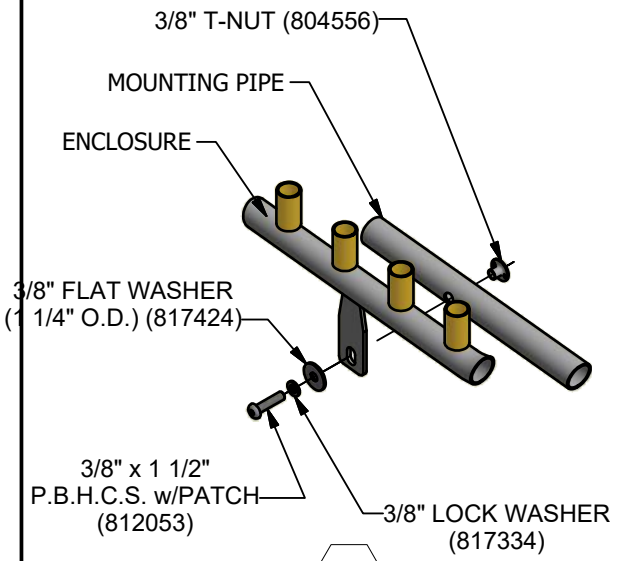


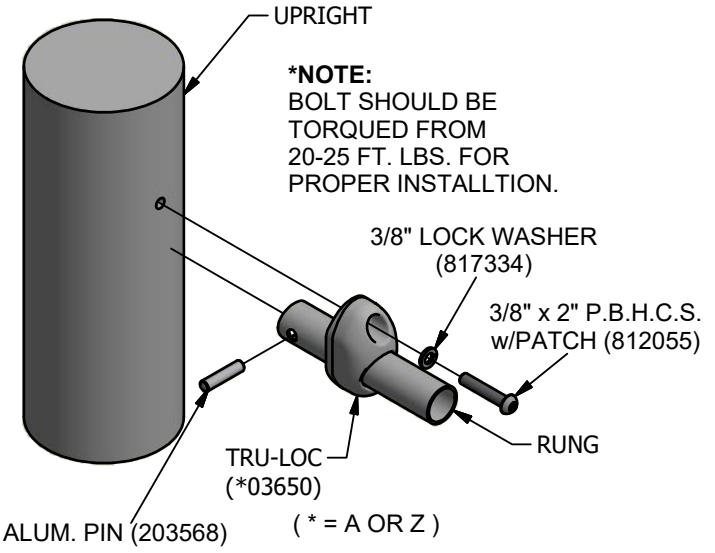

013




087




686




747

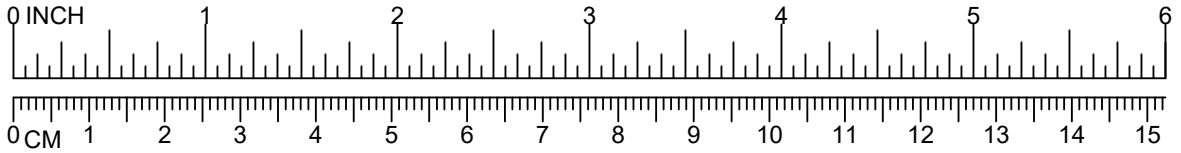
# DETAILS -for-
# 91149 & 91158

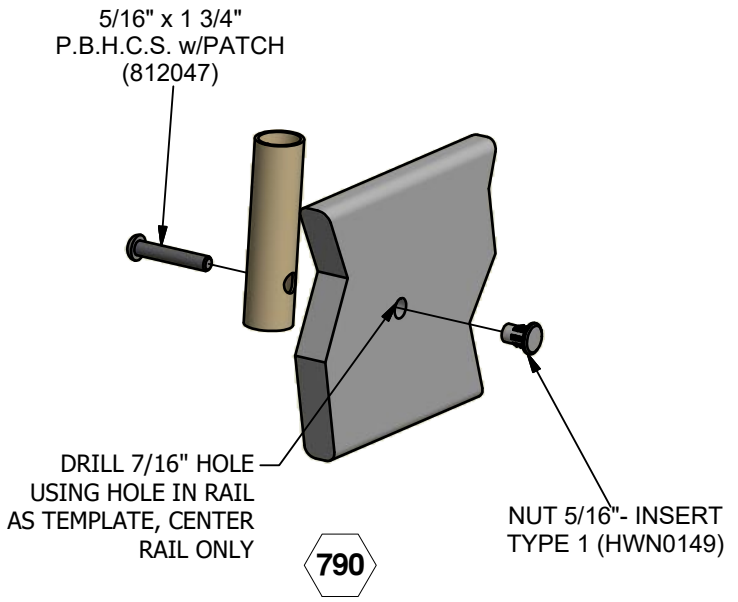
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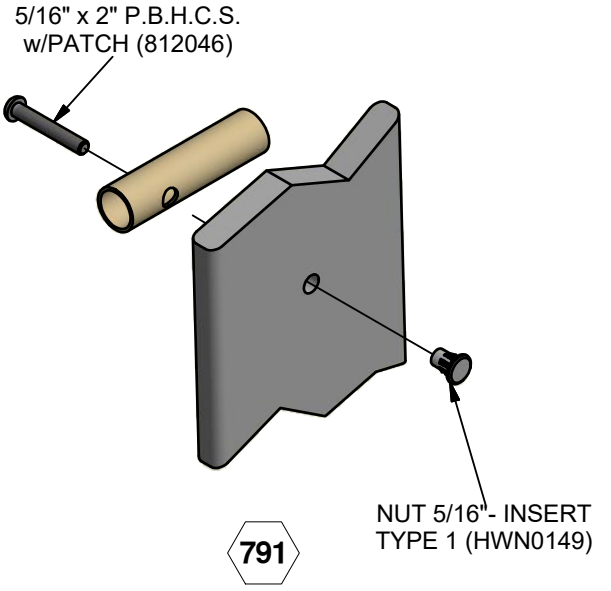
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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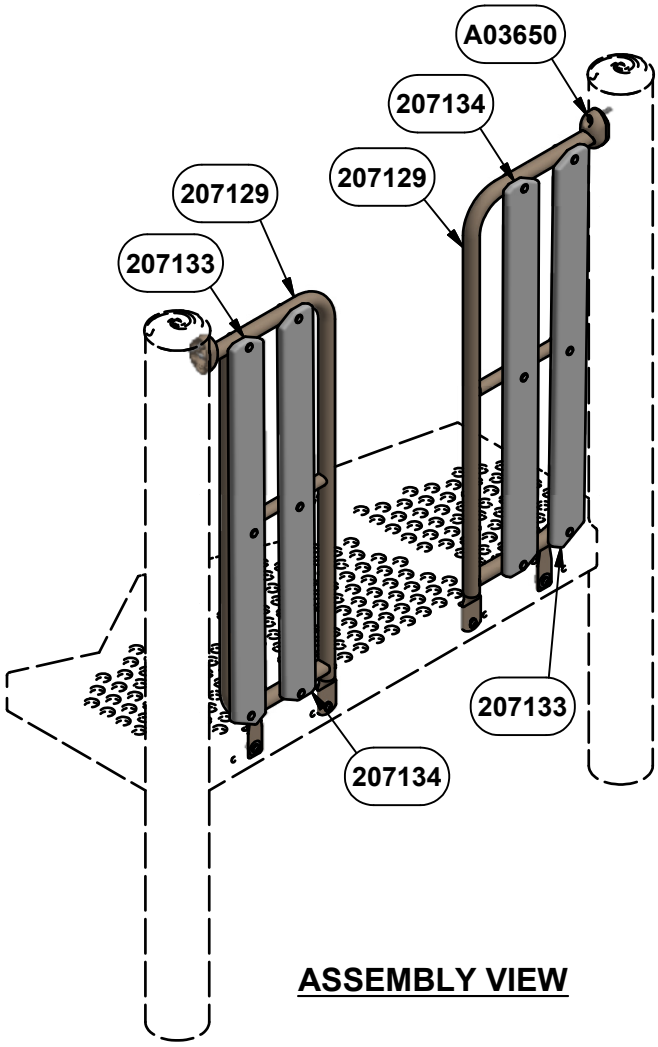
ISSUED/REVISED: 8/4/2022

# 91150 ENTRYWAY TIMBERS

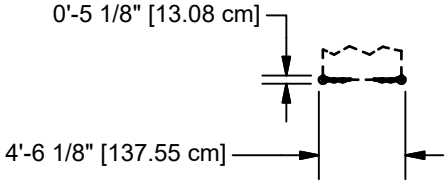



## INSTALLATION INSTRUCTIONS

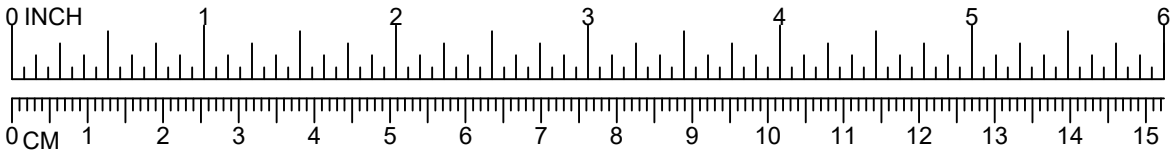
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

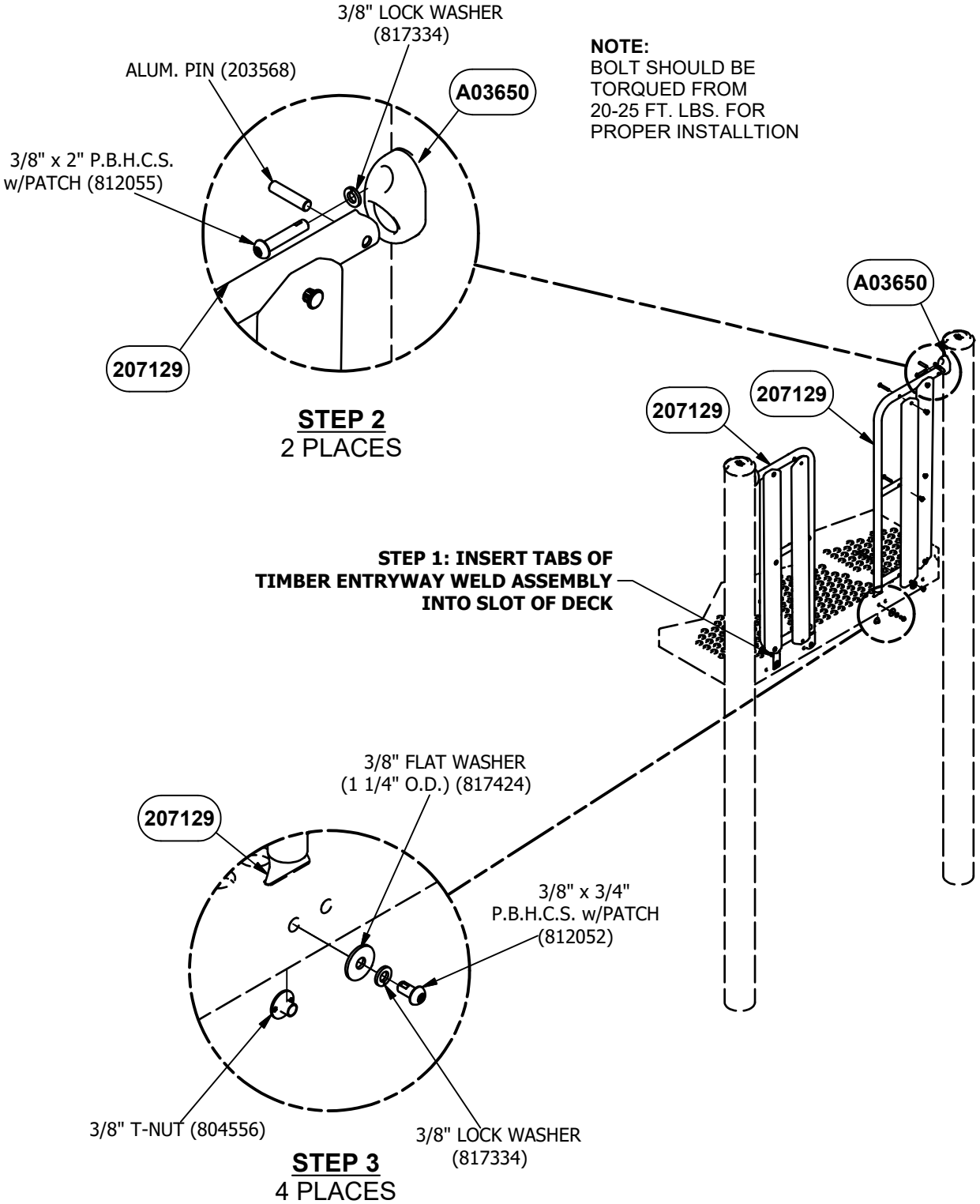



**ASSEMBLY VIEW**




**TOP VIEW**

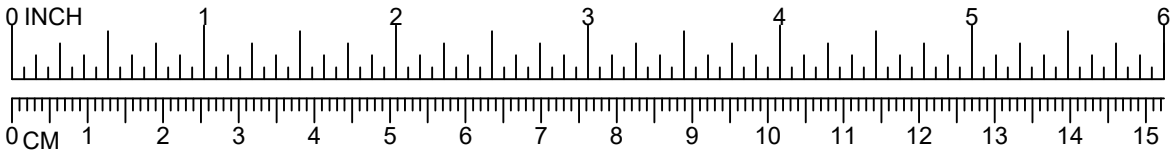


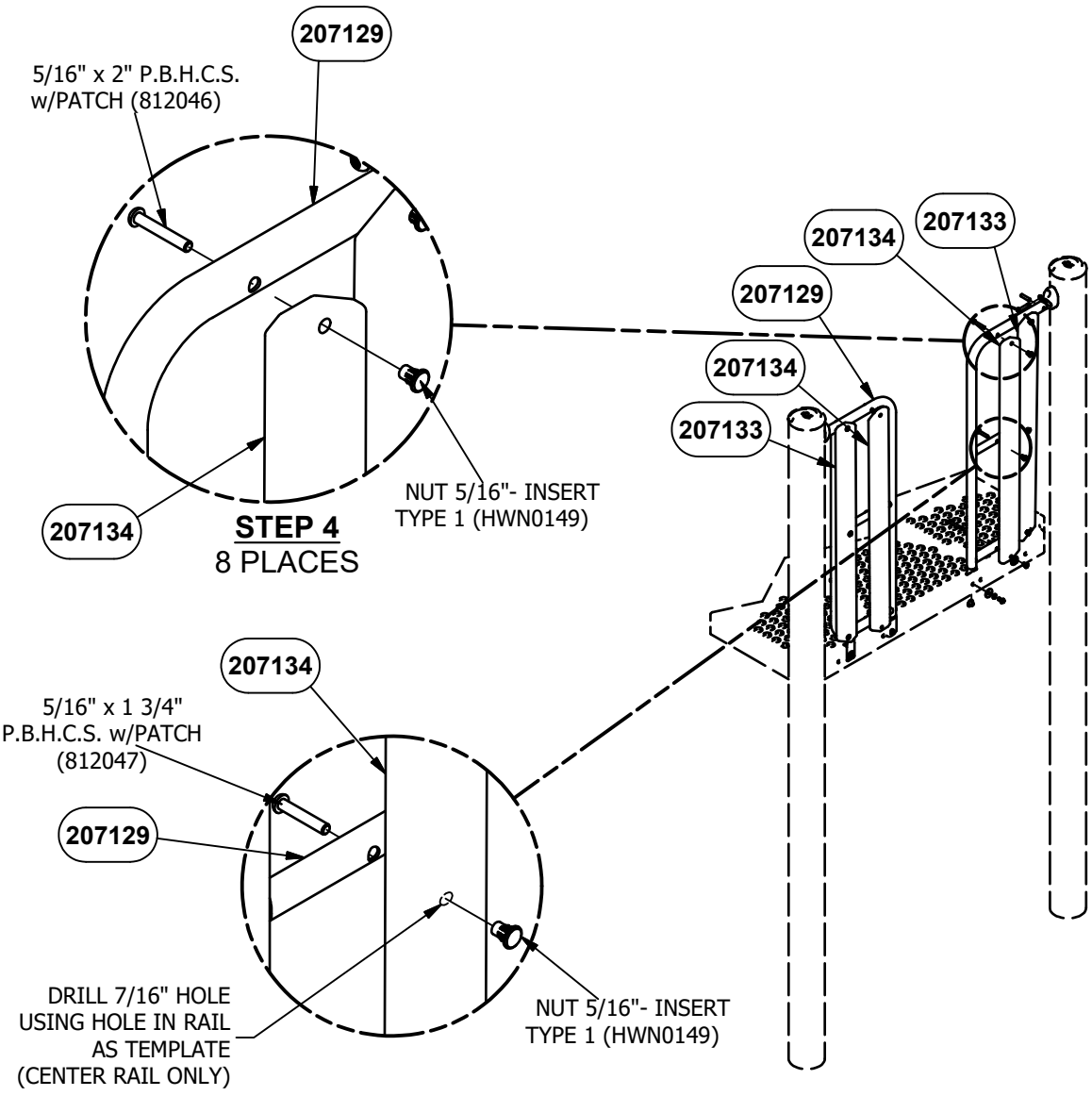




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW




**STEP 4**
8 PLACES

**STEP 5**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| TIMBER ENTRYWAY WELD ASS'Y | 2 | 207129 |
| ***TIMBER PACKAGE*** | 1 | 207457 |
| TIMBER 1 | 2 | 207133** |
| TIMBER 2 | 2 | 207134** |
| TRU-LOC | 2 | A03650 |
| ***HARDWARE COMPLETE*** | 1 | 222082 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| 3/8" LOCK WASHER | 6 | 817334* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 3/8" T-NUT | 4 | 804556* |
| 5/16" x 1 3/4" P.B.H.C.S. w/PATCH | 4 | 812047* |
| 5/16" x 2" P.B.H.C.S. w/PATCH | 8 | 812046* |
| NUT 5/16"- INSERT TYPE 1 | 12 | HWN0149* |
| ALUM. PIN | 2 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
*** Included in Timber Package*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/2/2020

# 91223 PLANK CLIMBER

| | |
|---|---|
| 3'-0" | 91223 |
| 4'-0" | 91181 |
| 5'-0" | 91182 |
| 6'-0" | 91183 |
| 7'-0" | 91184 |
| 8'-0" | 91185 |



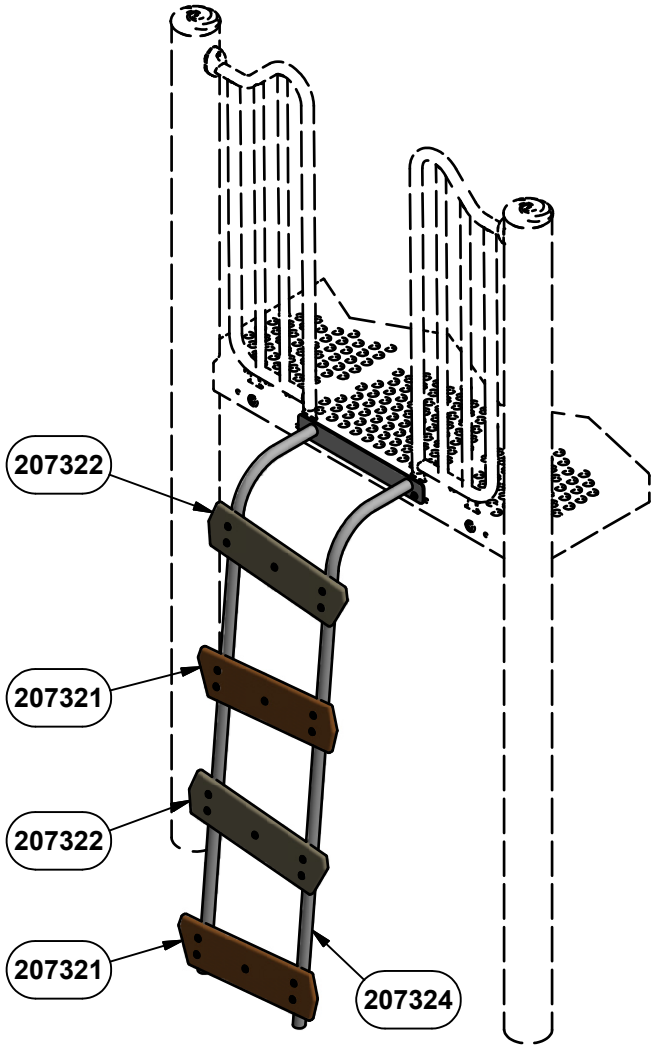

91223 3'-0"
91181 4'-0"



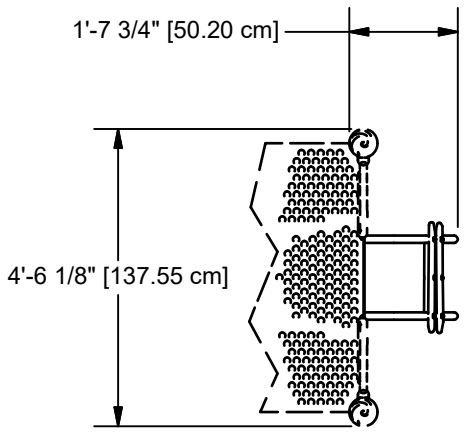

ALL DECK HEIGHTS

## INSTALLATION INSTRUCTIONS

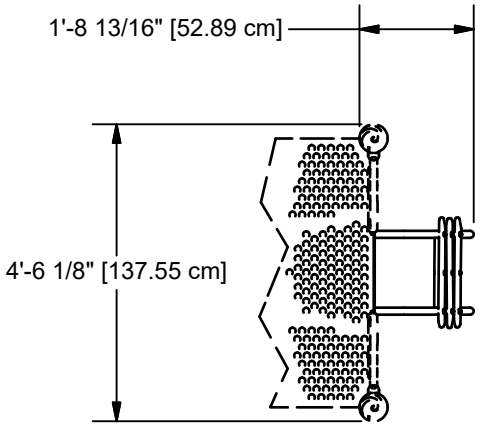
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2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



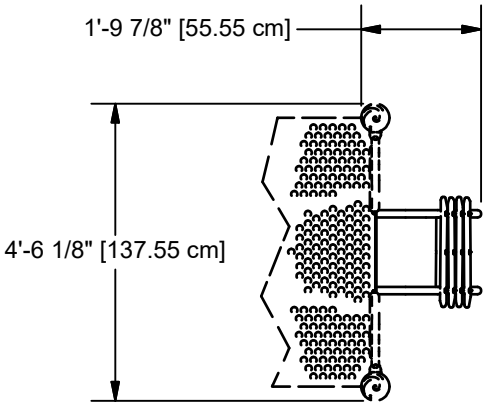

**ASSEMBLY VIEW**
91182 SHOWN



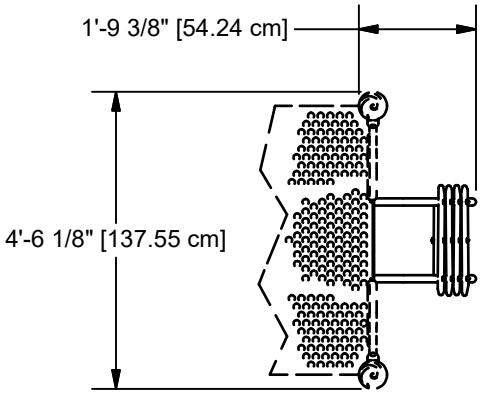

**3'-0" DECK**



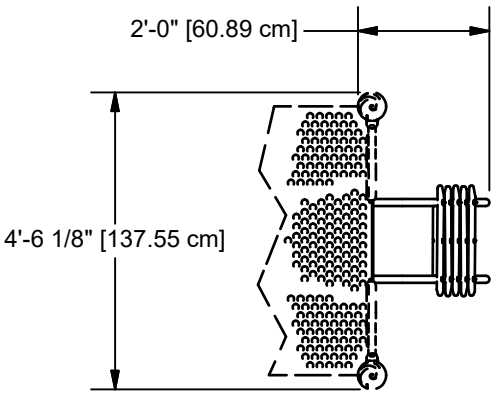

**4'-0" DECK**



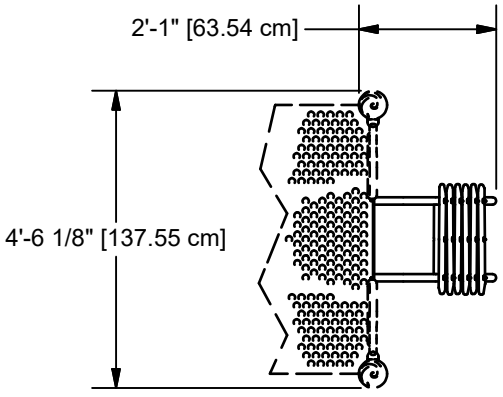

**5'-0" DECK**




**6'-0" DECK**




**7'-0" DECK**



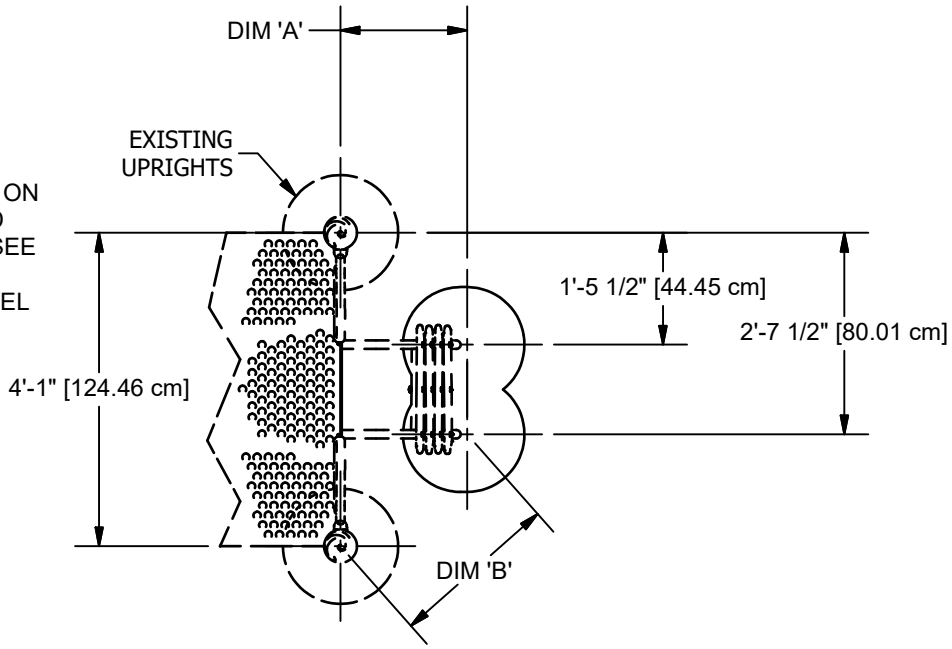

**8'-0" DECK**



**TOP VIEW**

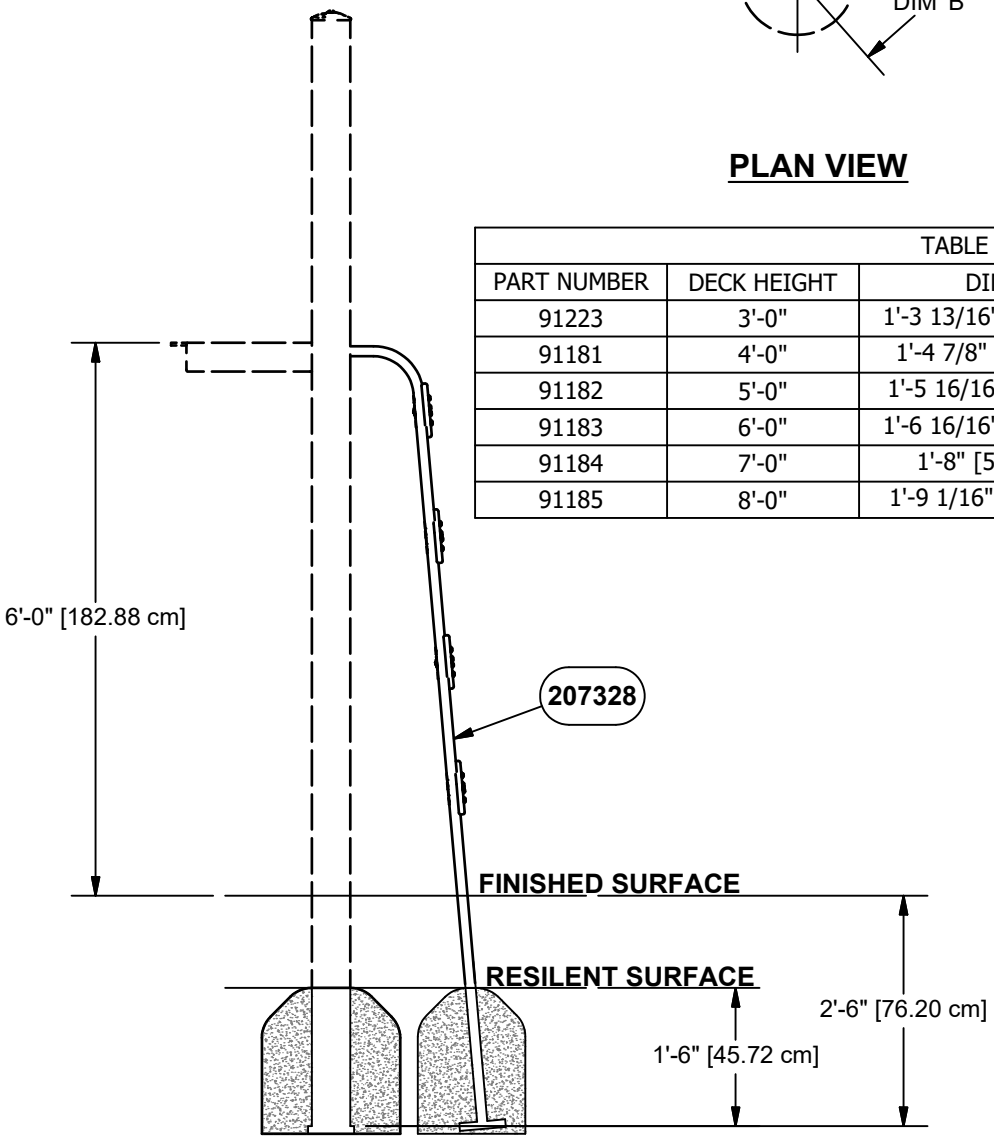
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED:**
.12 CUBIC YARDS
[.10 CUBIC METERS]



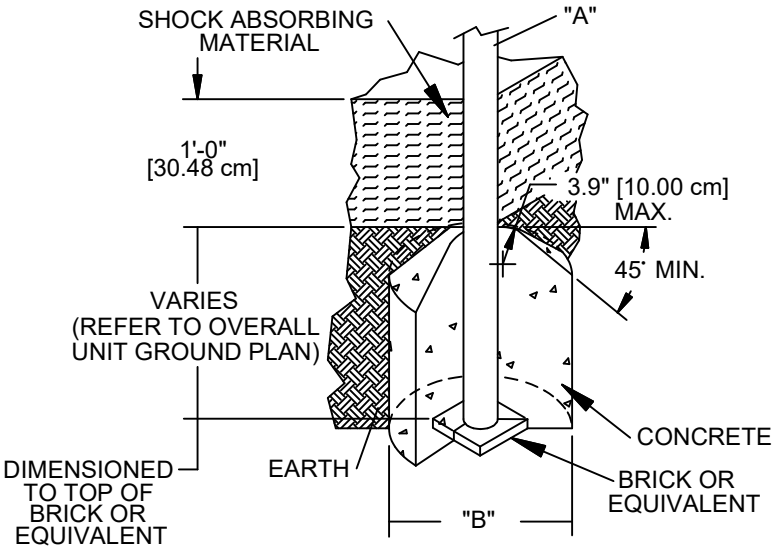

## PLAN VIEW

| TABLE | | | |
|---|---|---|---|
| PART NUMBER | DECK HEIGHT | DIM 'A' | DIM 'B' |
| 91223 | 3'-0" | 1'-3 13/16" [40.15 cm] | 1'-10 3/4" [57.72 cm] |
| 91181 | 4'-0" | 1'-4 7/8" [42.82 cm] | 1"-11 1/2" [59.67 cm] |
| 91182 | 5'-0" | 1'-5 16/16 [45.48 cm] | 2'- 1/8" [61.28 cm] |
| 91183 | 6'-0" | 1'-6 16/16" [48.15 cm] | 2'- 15/16" [63.37 cm] |
| 91184 | 7'-0" | 1'-8" [50.82 cm] | 2'-1 11/16" [65.29 cm] |
| 91185 | 8'-0" | 1'-9 1/16" [53.48 cm] | 2'-2 7/16" [67.17 cm] |




## ELEVATION VIEW

91183 6'-0" SHOWN
OTHERS SIMILAR

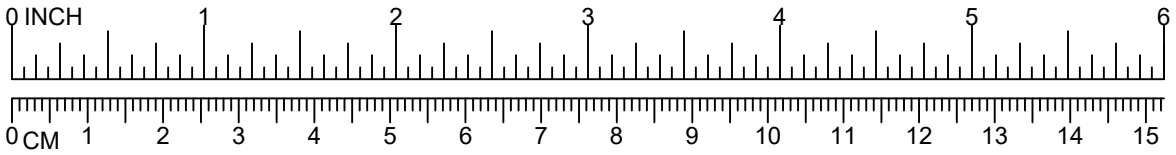


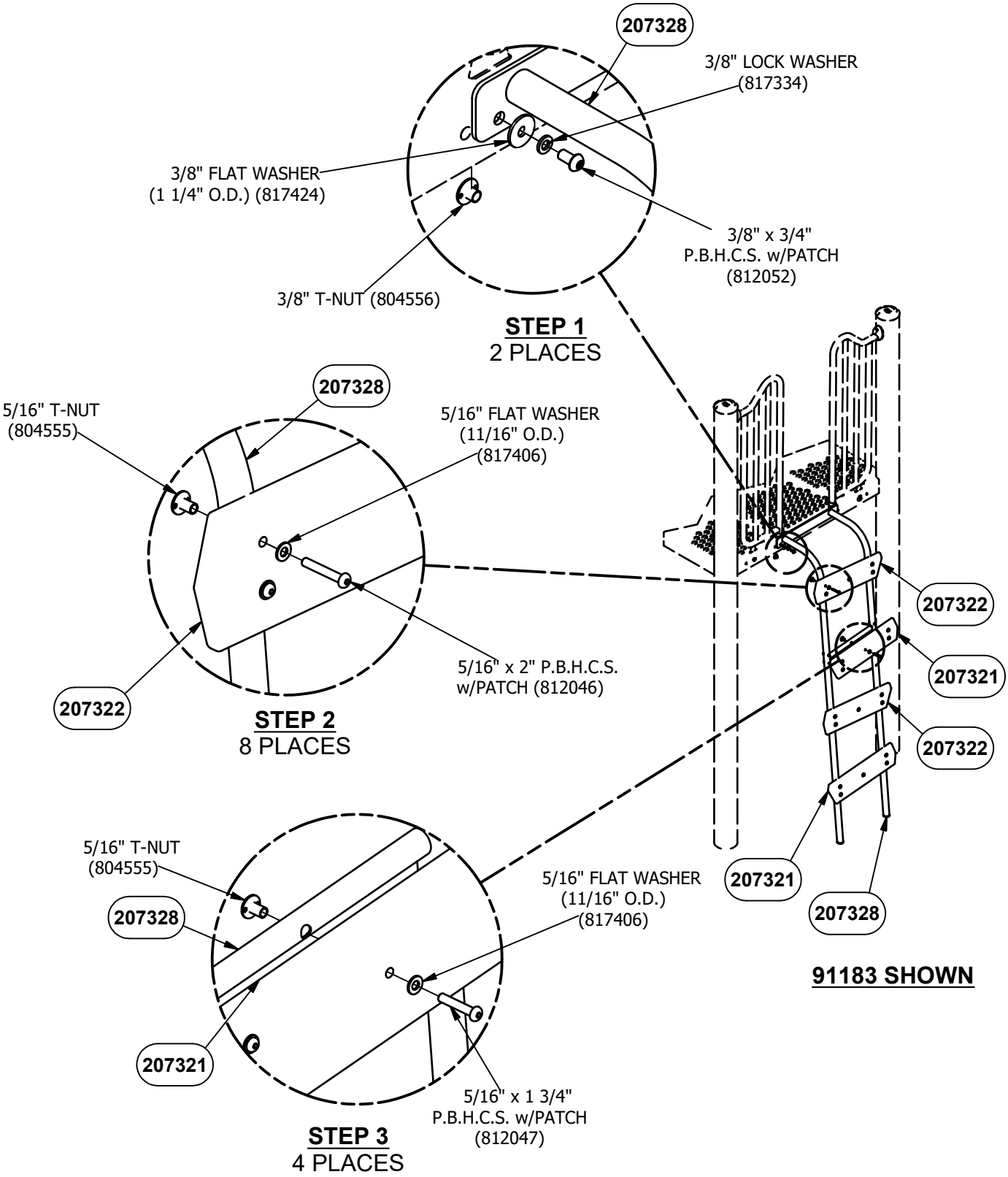

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL

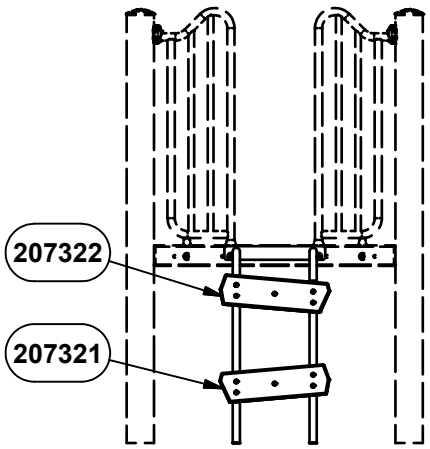



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

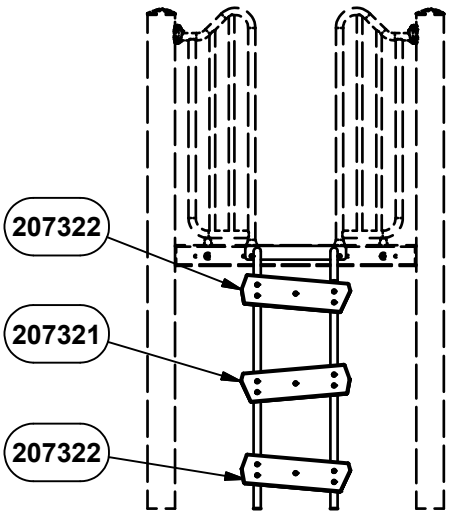


## DETAIL VIEW



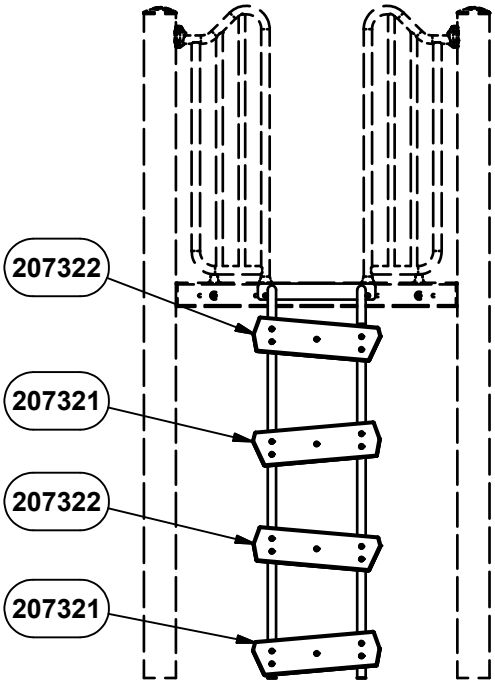

**TIMBER LOCATION**
91223

| TIMBER PACKAGE 207490 | |
|---|---|
| DESCRIPTION | PART NUMBER |
| TIMBER 42 (TUDOR BROWN) | 207321 |
| TIMBER 43 (GRAY) | 207322 |



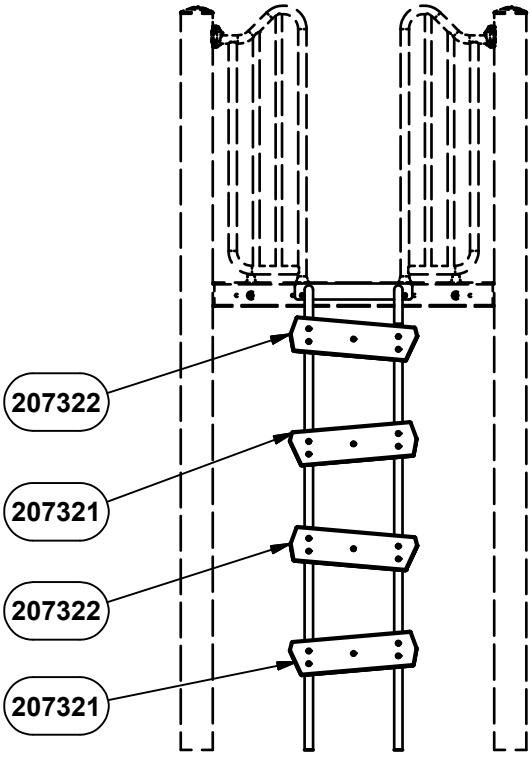

**TIMBER LOCATION**
91181

| TIMBER PACKAGE 207491 | |
|---|---|
| DESCRIPTION | PART NUMBER |
| TIMBER 42 (TUDOR BROWN) | 207321 |
| TIMBER 43 (GRAY) | 207322 |



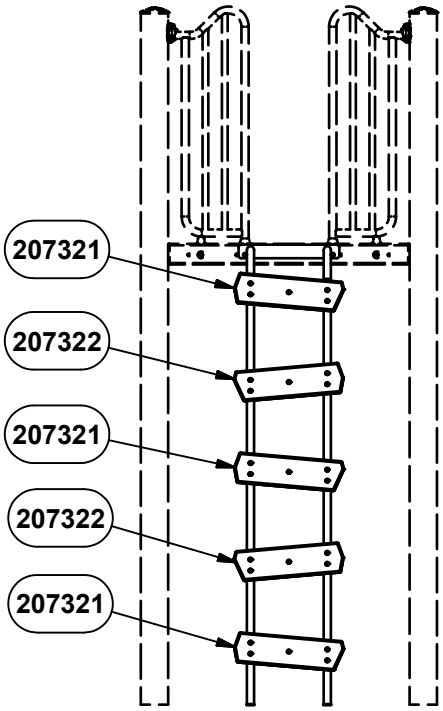

**TIMBER LOCATION**
91182

| TIMBER PACKAGE 207492 | |
|---|---|
| DESCRIPTION | PART NUMBER |
| TIMBER 42 (TUDOR BROWN) | 207321 |
| TIMBER 43 (GRAY) | 207322 |



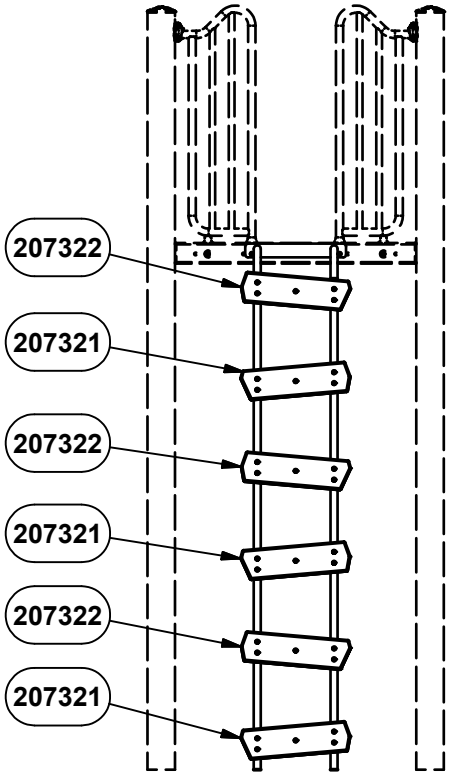

**TIMBER LOCATION**
91183

| TIMBER PACKAGE 207492 | |
|---|---|
| DESCRIPTION | PART NUMBER |
| TIMBER 42 (TUDOR BROWN) | 207321 |
| TIMBER 43 (GRAY) | 207322 |




**TIMBER LOCATION**
91184

| TIMBER PACKAGE 207493 | |
|---|---|
| DESCRIPTION | PART NUMBER |
| TIMBER 42 (TUDOR BROWN) | 207321 |
| TIMBER 43 (GRAY) | 207322 |




**TIMBER LOCATION**
91185

| TIMBER PACKAGE 207494 | |
|---|---|
| DESCRIPTION | PART NUMBER |
| TIMBER 42 (TUDOR BROWN) | 207321 |
| TIMBER 43 (GRAY) | 207322 |

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION | 91223 | 91181 | 91182 | 91183 | 91184 | 91185 | PART NUMBER |
| 3' PLANK CLIMBER WELD ASS'Y | 1 | 0 | 0 | 0 | 0 | 0 | 207377 |
| 4' PLANK CLIMBER WELD ASS'Y | 0 | 1 | 0 | 0 | 0 | 0 | 207316 |
| 5' PLANK CLIMBER WELD ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 207324 |
| 6' PLANK CLIMBER WELD ASS'Y | 0 | 0 | 0 | 1 | 0 | 0 | 207328 |
| 7' PLANK CLIMBER WELD ASS'Y | 0 | 0 | 0 | 0 | 1 | 0 | 207332 |
| 8' PLANK CLIMBER WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 1 | 207336 |
| ***TIMBER PACKAGE*** | 1 | 0 | 0 | 0 | 0 | 0 | 207490 |
| ***TIMBER PACKAGE*** | 0 | 1 | 0 | 0 | 0 | 0 | 207491 |
| ***TIMBER PACKAGE*** | 0 | 0 | 1 | 1 | 0 | 0 | 207492 |
| ***TIMBER PACKAGE*** | 0 | 0 | 0 | 0 | 1 | 0 | 207493 |
| ***TIMBER PACKAGE*** | 0 | 0 | 0 | 0 | 0 | 1 | 207494 |
| TIMBER 42 | 1 | 2 | 2 | 2 | 3 | 3 | 207321** |
| TIMBER 43 | 1 | 1 | 2 | 2 | 2 | 3 | 207322** |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 207495 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 0 | 0 | 207496 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 1 | 0 | 0 | 207497 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 0 | 207498 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 1 | 207499 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 812052* |
| 3/8" LOCK WASHER | 2 | 2 | 2 | 2 | 2 | 2 | 817334* |
| 3/8" T-NUT | 2 | 2 | 2 | 2 | 2 | 2 | 804556* |
| 5/16" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 3 | 4 | 4 | 5 | 6 | 812047* |
| 5/16" x 2" P.B.H.C.S. w/PATCH | 8 | 12 | 16 | 16 | 20 | 24 | 812046* |
| 5/16" FLAT WASHER (11/16" O.D.) | 10 | 15 | 20 | 20 | 25 | 30 | 817406* |
| 5/16" T-NUT | 10 | 15 | 20 | 20 | 25 | 30 | 804555* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 2 | 2 | 2 | 2 | 817424* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
***Included in Timber Package*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

**1-800-235-2440**

**ISSUED/REVISED: 9/26/23**

# 91336 TIMBERS ENCLOSURE

= INSTALLATION DETAIL

= PARTS LIST REFERENCE

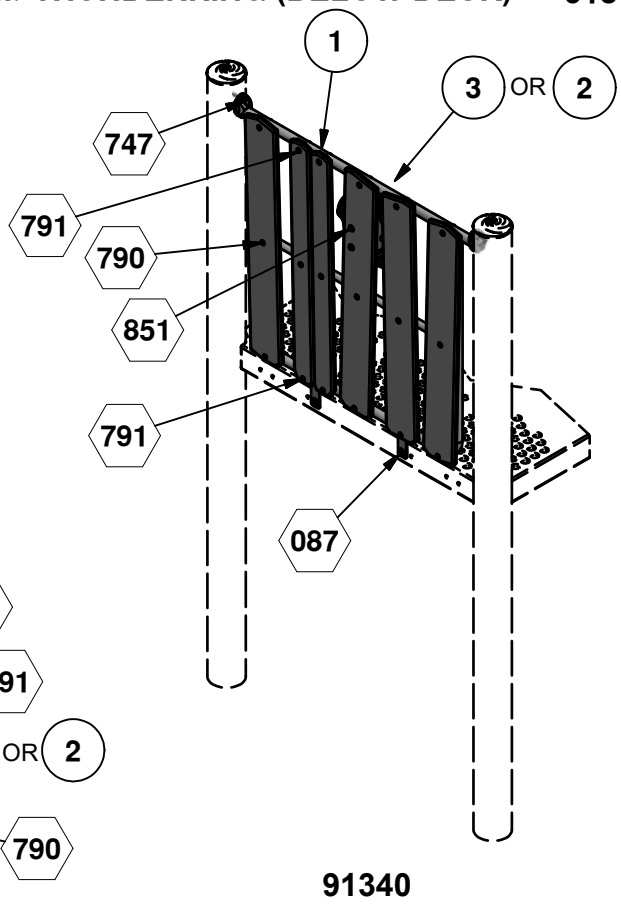
| | |
|---|---|
| w/ MOLDED STEERING WHEEL (ABOVE DECK) | 91336 |
| w/ MOLDED STEERING WHEEL (BELOW DECK) | 91337 |
| w/ SOLID STEERING WHEEL (ABOVE DECK) | 91338 |
| w/ SOLID STEERING WHEEL (BELOW DECK) | 91339 |
| w/ THUNDERRING (ABOVE DECK) | 91340 |
| w/ THUNDERRING (BELOW DECK) | 91341 |



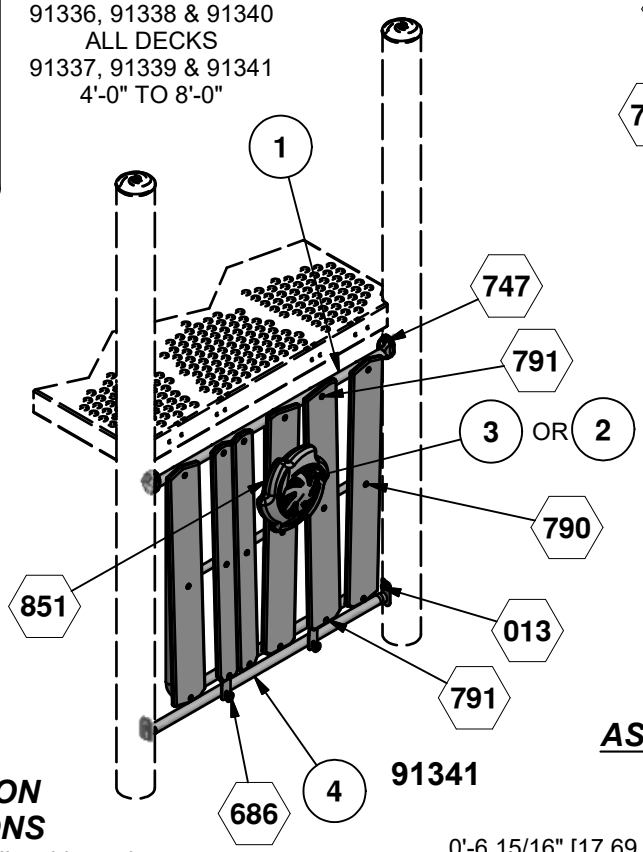

91336, 91338 & 91340
UP TO 5'-0"
91337, 91339 & 91341
4'-0" TO 5'-0"




91336, 91338 & 91340
ALL DECKS
91337, 91339 & 91341
4'-0" TO 8'-0"




**91340**

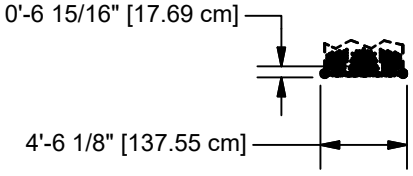



**91341**

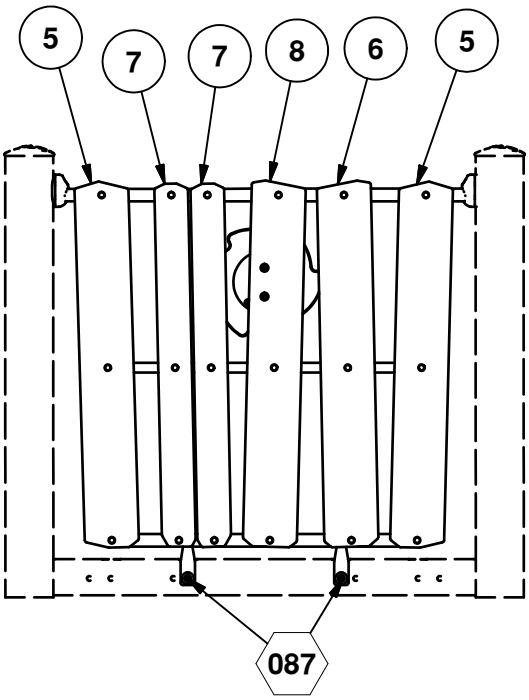
## *ASSEMBLY DRAWINGS*

## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installaion booklet; follow all the instructions during installaion.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



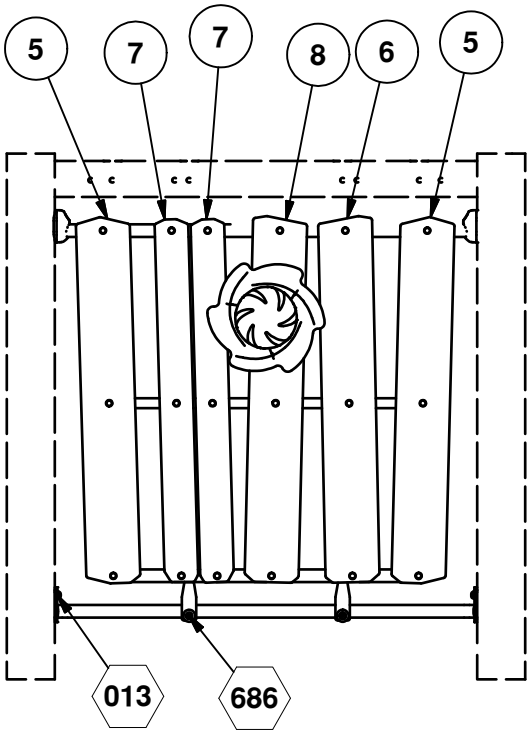

***TOP VIEW***




| TIMBER PACKAGE - | | |
|---|---|---|
| REF | DESCRIPTION | PART NUMBER |
| 5 | TIMBER 14 (TUDOR BROWN) | 207222 |
| 6 | TIMBER 16 (TUDOR BROWN) | 207220 |
| 7 | TIMBER 17 (GRAY) | 207223 |
| 8 | TIMBER 123 (SAND) | 211304 |

***TIMBER LOCATION***

91340 (91336 &91338 SIMILAR)




| TIMBER PACKAGE -211314 | | |
|---|---|---|
| REF | DESCRIPTION | PART NUMBER |
| 5 | TIMBVER 14 (TUDOR BROWN) | 207222 |
| 6 | TIMBER 16 (TUDOR BROWN) | 207220 |
| 7 | TIMBER 17 (GRAY) | 207223 |
| 8 | TIMBER 123 (SAND) | 211304 |

***TIMBER LOCATION***

91341 (91337 &91339 SIMILAR)

| Parts List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| REF. | DESCRIPTION | 91336 | 91337 | 91338 | 91339 | 91340 | 91341 | PART NUMBER |
| 1 | TIMBER ENCLOSURE WELD ASS'Y | 1 | 1 | 1 | 1 | 1 | 1 | 211306 |
| 2 | STEERING WHEEL ASSEMBLY | 1 | 1 | 0 | 0 | 0 | 0 | 163235 |
| 2 | SOLID STEERING WHEEL ASSEMBLY | 0 | 0 | 1 | 1 | 0 | 0 | 141129 |
| 3 | THUNDER RING | 0 | 0 | 0 | 0 | 1 | 1 | 179013 |
| 4 | MOUNTING PIPE | 0 | 1 | 0 | 1 | 0 | 1 | 203900 |
| | ***TIMBER PACKAGE*** | 1 | 1 | 1 | 1 | 1 | 1 | 213114 |
| 5 | TIMBER 14 | 2 | 2 | 2 | 2 | 2 | 2 | 207222** |
| 6 | TIMBER 16 | 1 | 1 | 1 | 1 | 1 | 1 | 207220** |
| 7 | TIMBER 17 | 2 | 2 | 2 | 2 | 2 | 2 | 207223** |
| 8 | TIMBER 123 | 1 | 1 | 1 | 1 | 1 | 1 | 211304** |
| | TRU-LOC | 2 | 2 | 2 | 2 | 2 | 2 | 203650 |
| | ***HARDWARE COMPLETE*** | 1 | 0 | 1 | 0 | 1 | 0 | 223426 |
| | ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 1 | 0 | 1 | 223427 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 812052* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 812054* |
| | 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 2 | 812055* |
| | 3/8" ACORN NUT | 2 | 2 | 2 | 2 | 2 | 2 | 804002* |
| | 3/8" FLAT WASHER | 2 | 2 | 2 | 2 | 2 | 2 | 817410* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 2 | 2 | 2 | 2 | 817424* |
| | 3/8" LOCK WASHER | 6 | 8 | 6 | 8 | 6 | 8 | 817334* |
| | 3/8" T-NUT | 2 | 2 | 2 | 2 | 2 | 2 | 804556* |
| | ALUM. PIN | 2 | 2 | 2 | 2 | 2 | 2 | 203568* |
| | 5/16" x 1 3/4" P.B.H.C.S. w/PATCH | 6 | 6 | 6 | 6 | 6 | 6 | 812047* |
| | 5/16" x 2" P.B.H.C.S. w/PATCH | 12 | 12 | 12 | 12 | 12 | 12 | 812046* |
| | NUT 5/16"- INSERT TYPE 1 | 18 | 18 | 18 | 18 | 18 | 18 | HWN0149* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
***Included in Timber Package*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

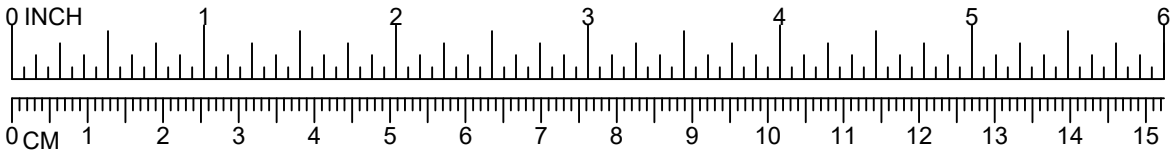
# DETAILS -for-
# 91336, 91337, 91338, 91339, 91340 & 91341

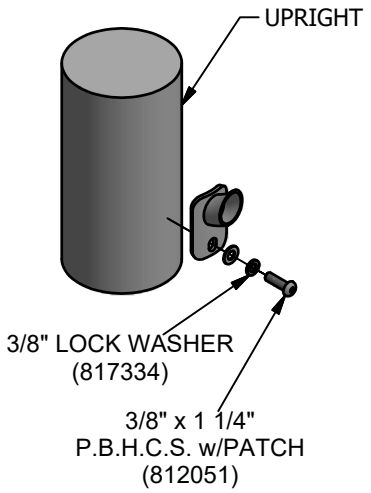
*IMPORTANT*

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

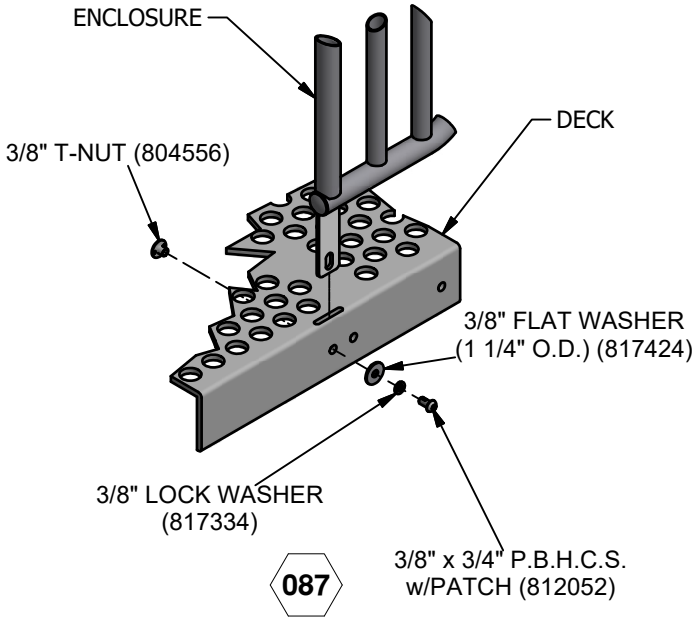
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

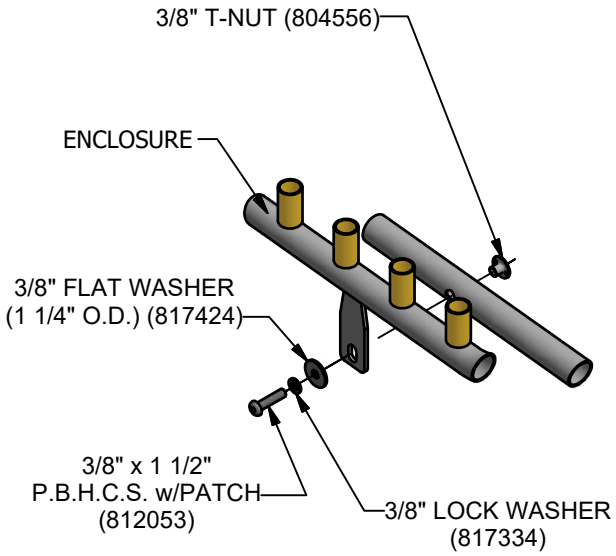


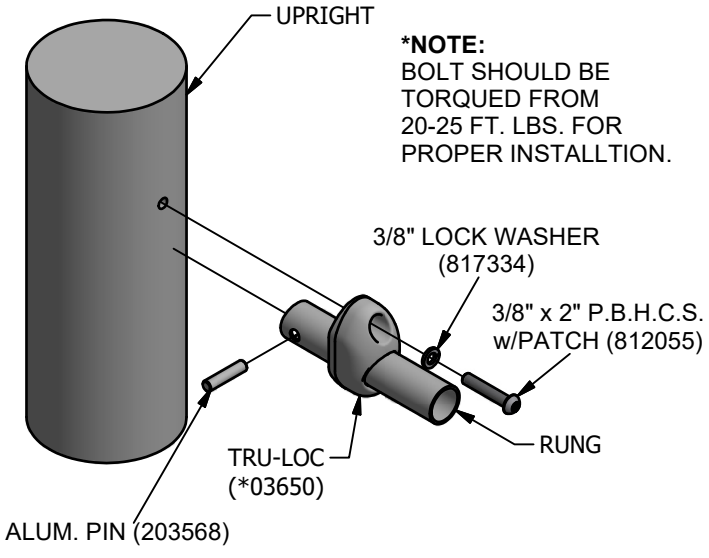

013




087




686




( * = A OR Z )

747

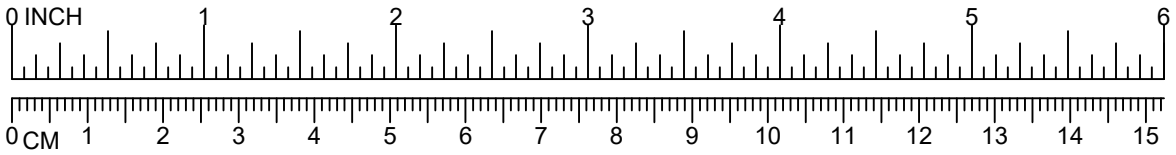
# DETAILS -for-
# 91336, 91337, 91338, 91339, 91340 & 91341

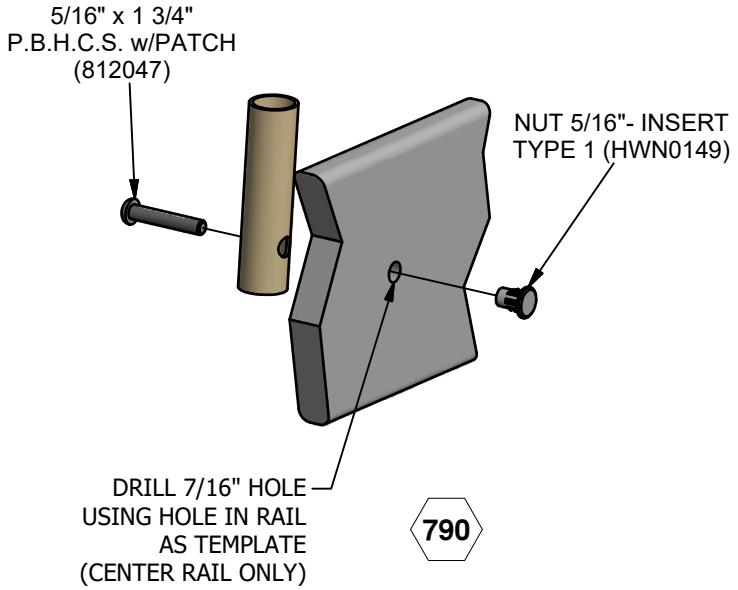
*I*MPORTANT

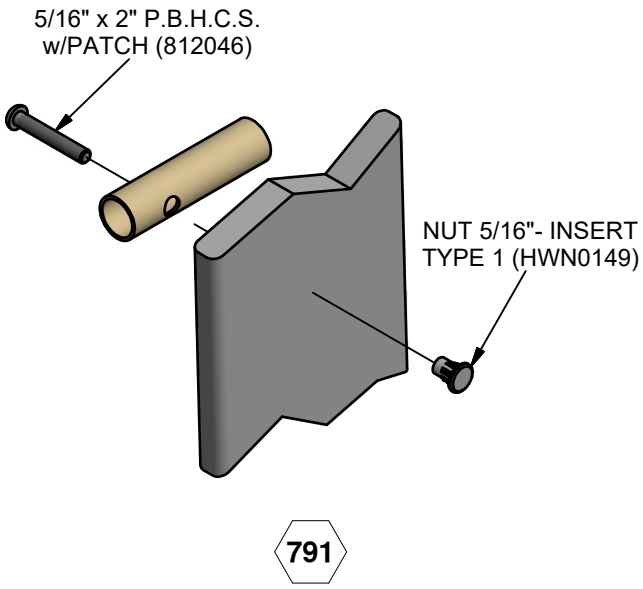
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

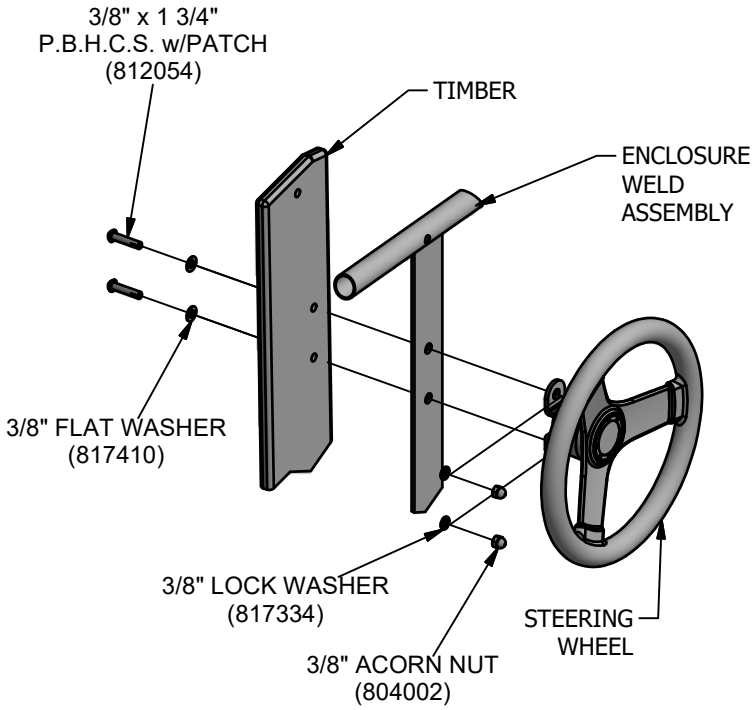
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



PowerScape

GameTime

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ISSUED/REVISED: 7/19/2021

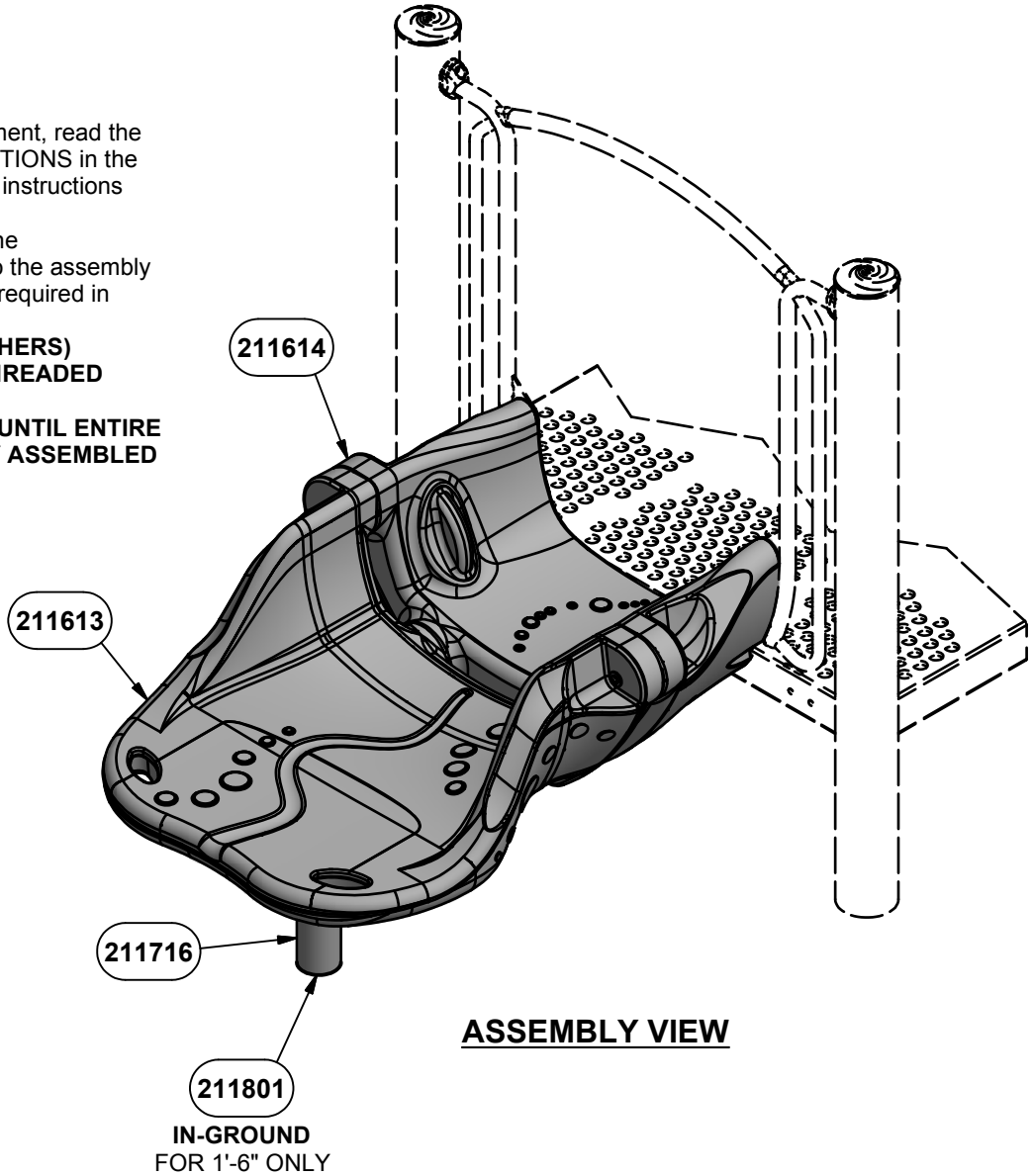
# 91373

# SENSORY WAVE CLIMBER TRANSFER



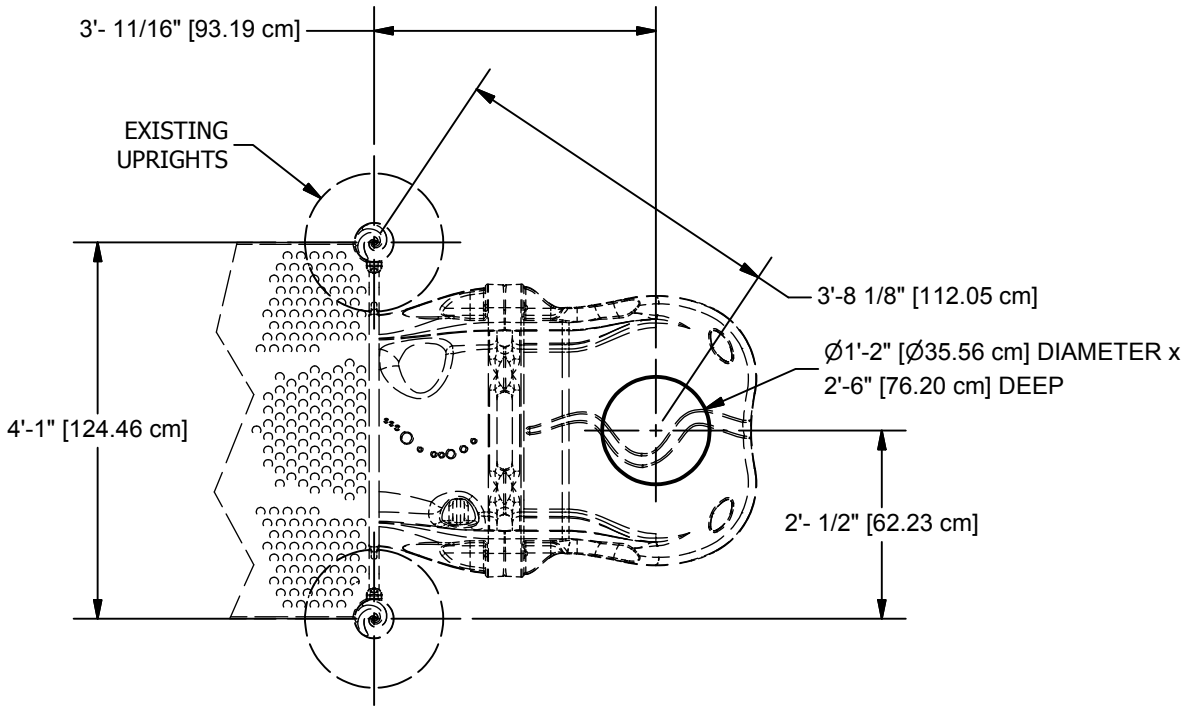

## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**ASSEMBLY VIEW**

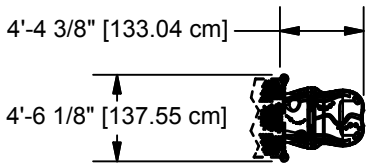
**IN-GROUND**
FOR 1'-6" ONLY



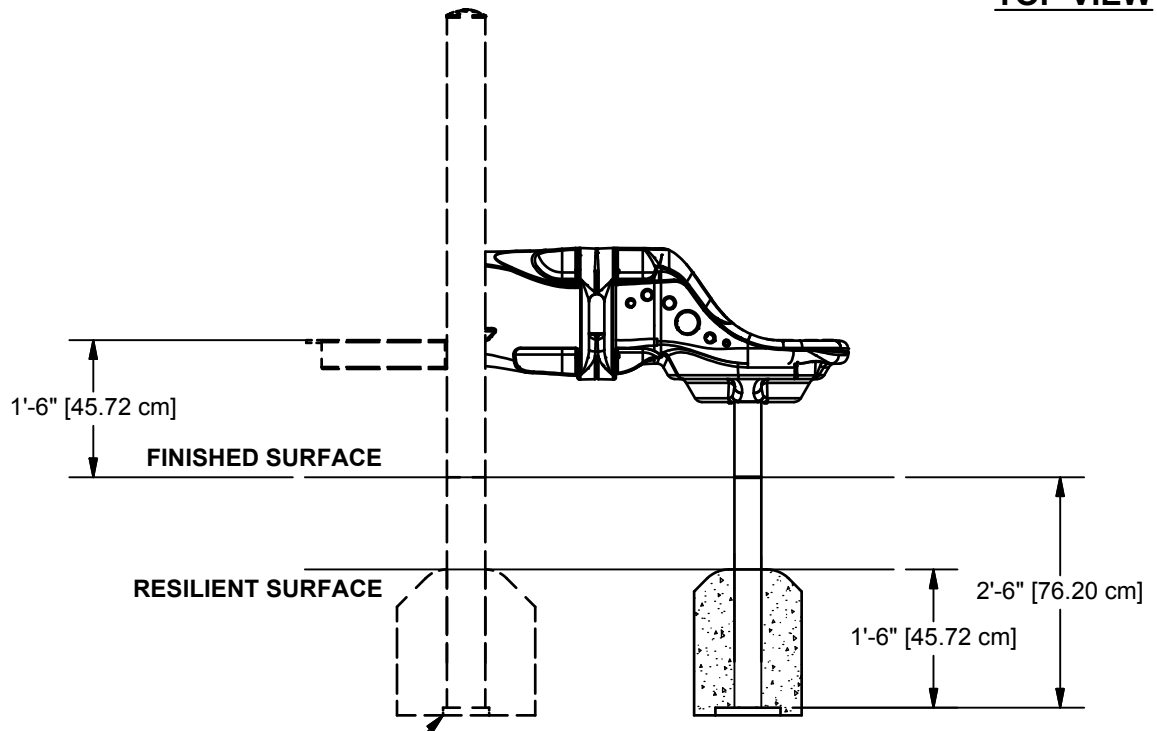

## PLAN VIEW

**CONCRETE REQUIRED:**
.06 CUBIC YARDS
[.05 CUBIC METERS]

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

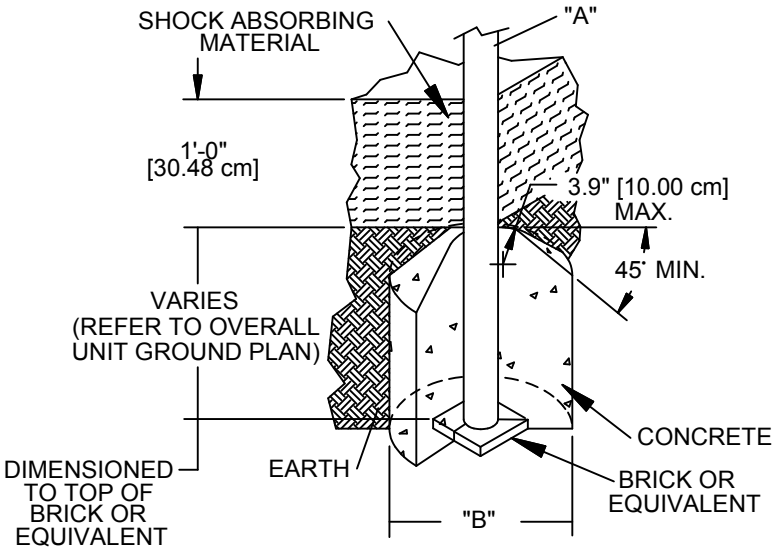



## TOP VIEW




## ELEVATION VIEW

1'-6" DECK SHOWN
1'-0" DECK SIMILAR

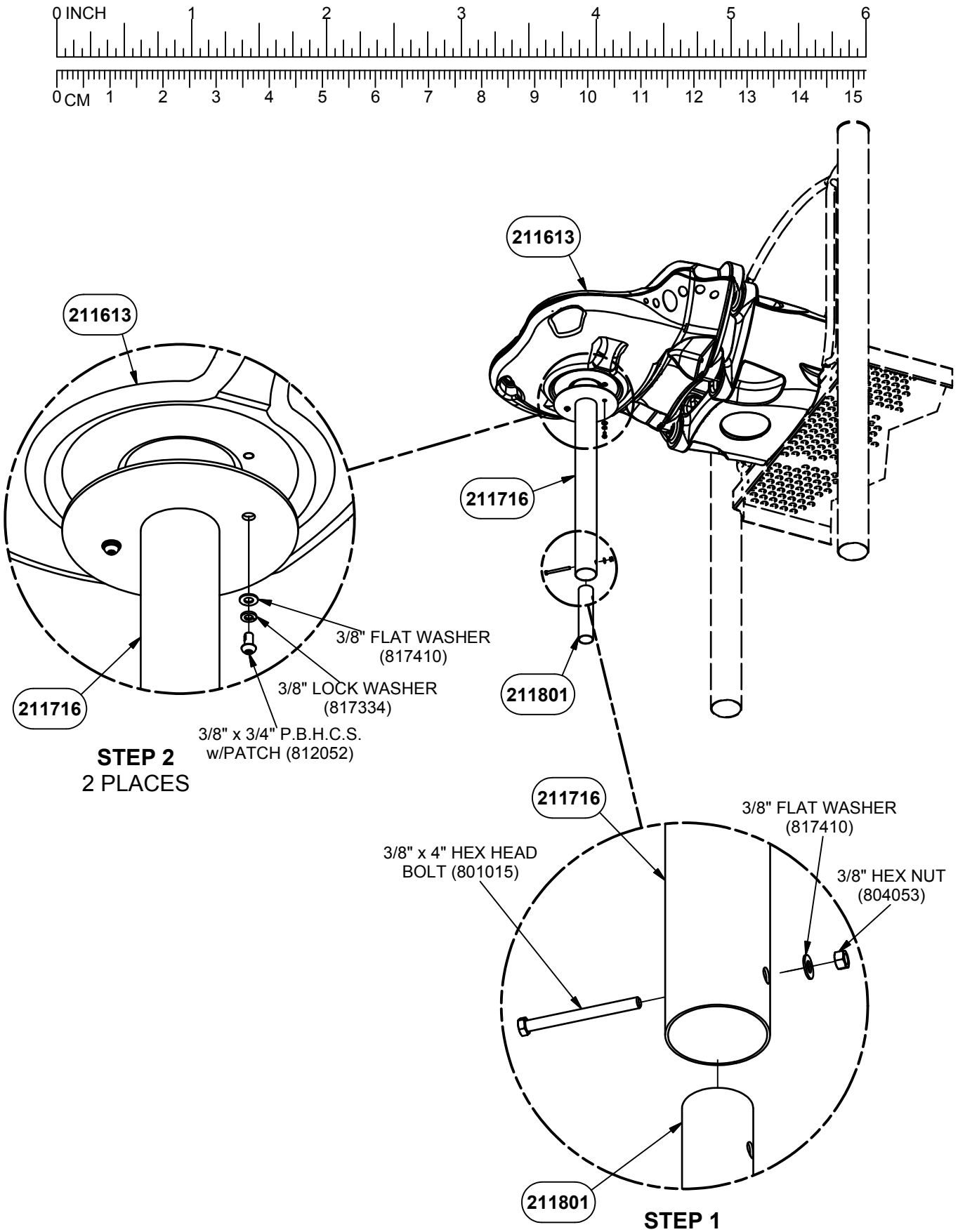



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

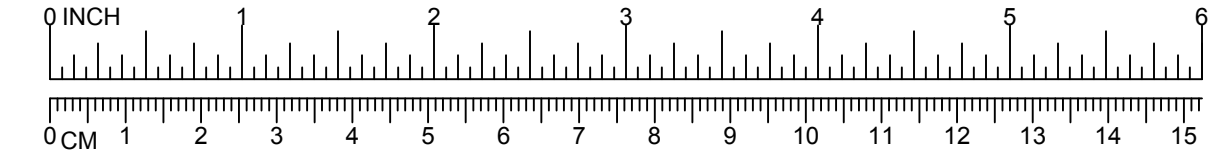
## FOOTING DETAIL

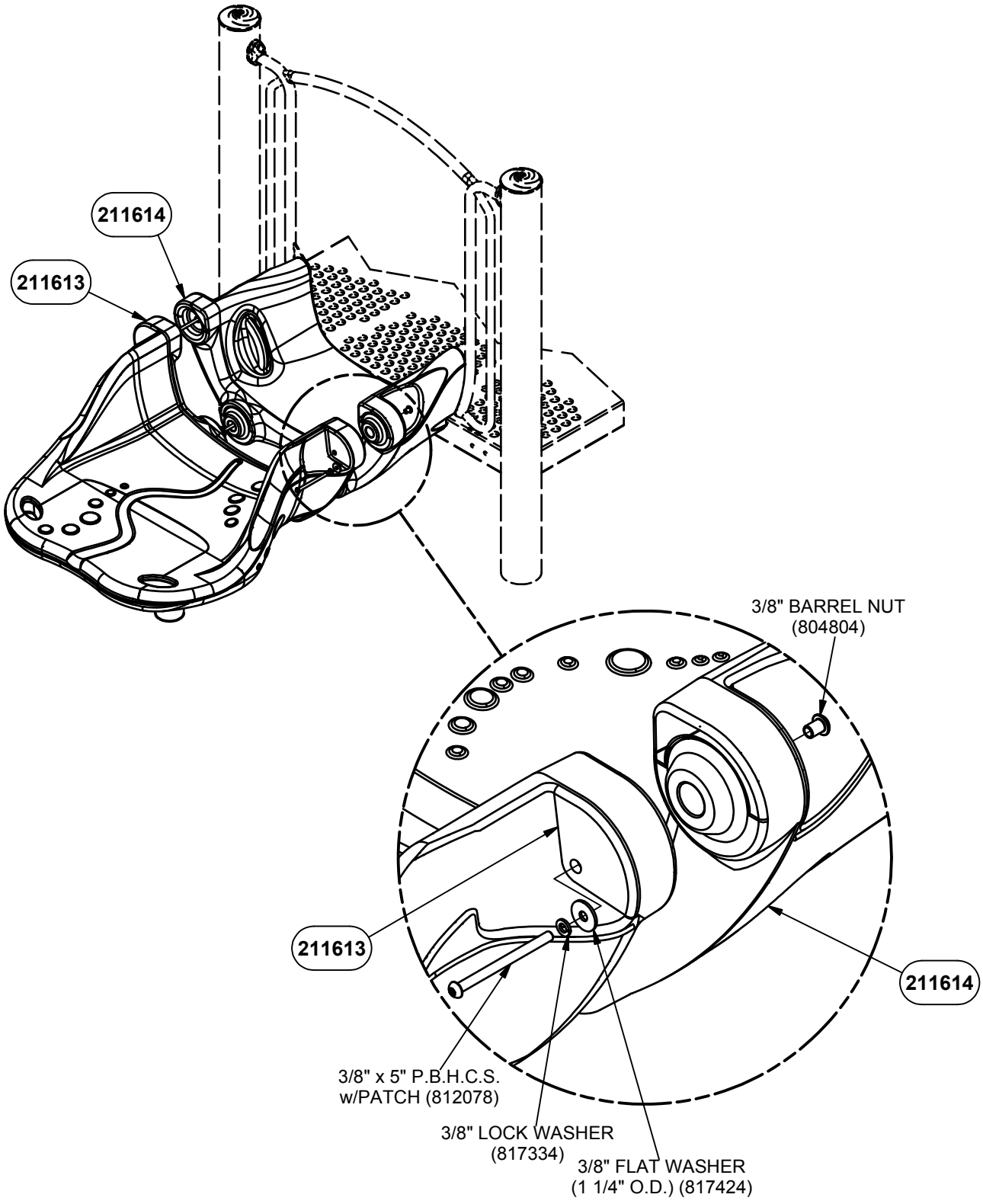



**NOTE:** EXTENSION IS ONLY USED FOR 1'-6" DECK HEIGHT

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

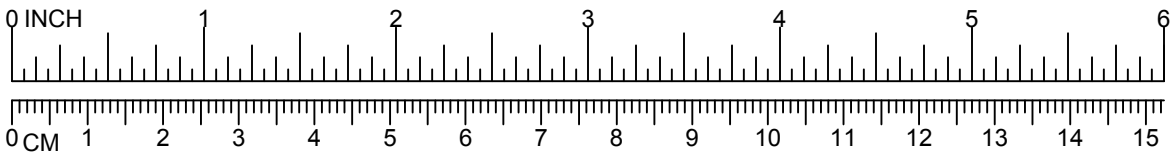


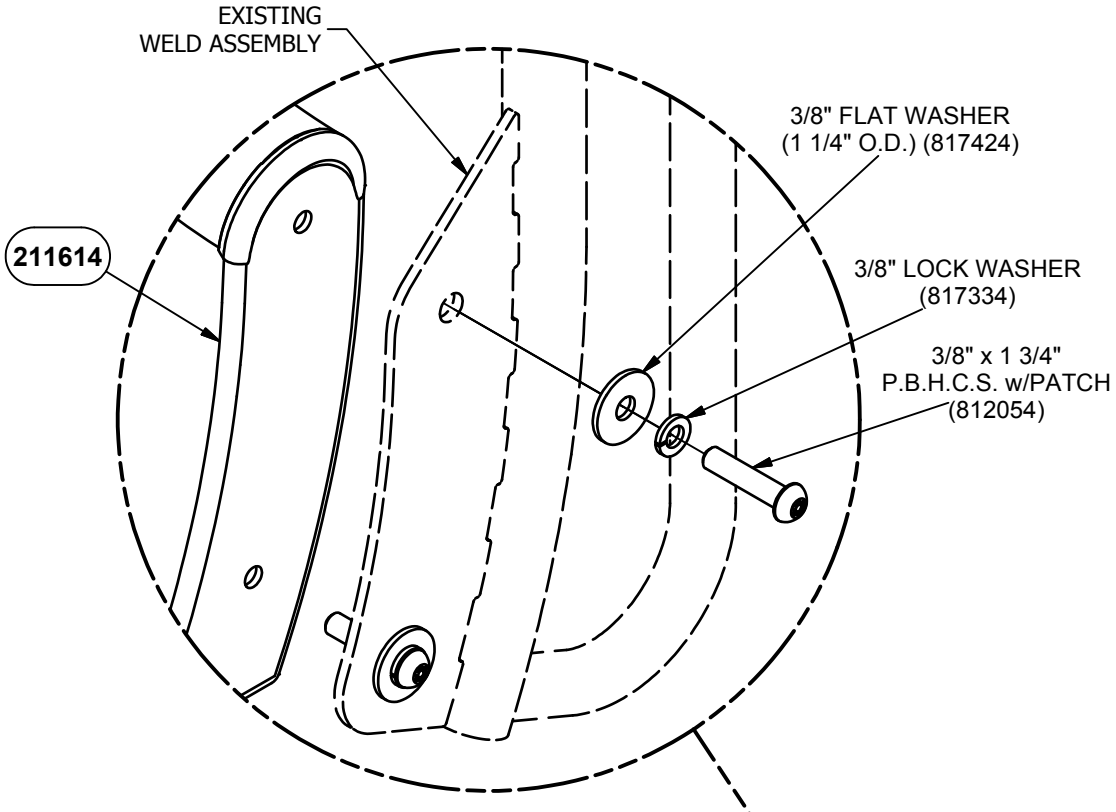




**STEP 3**
4 PLACES

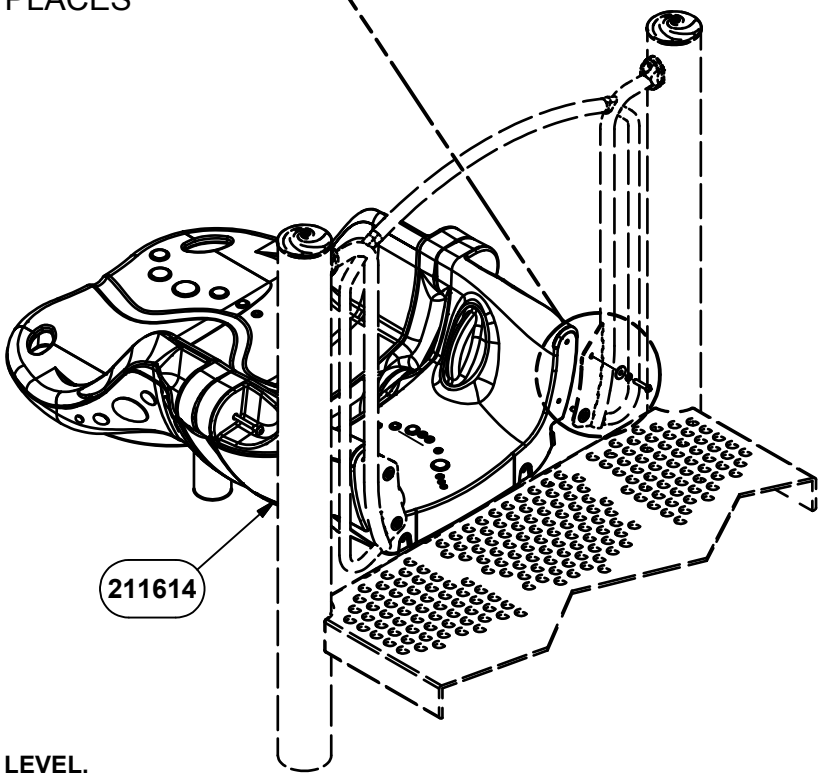
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW



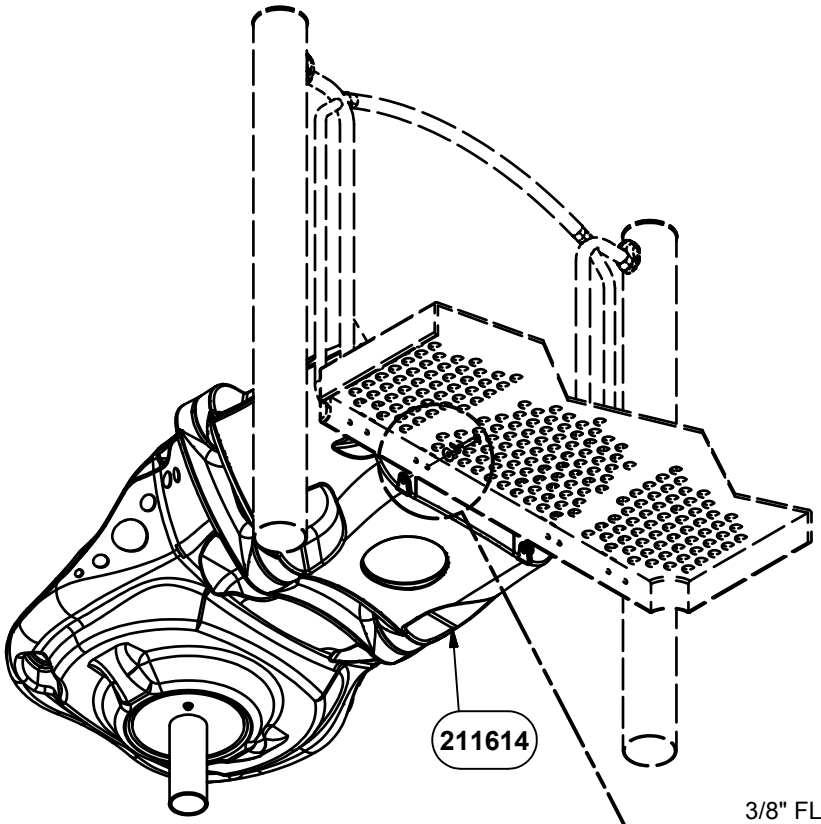



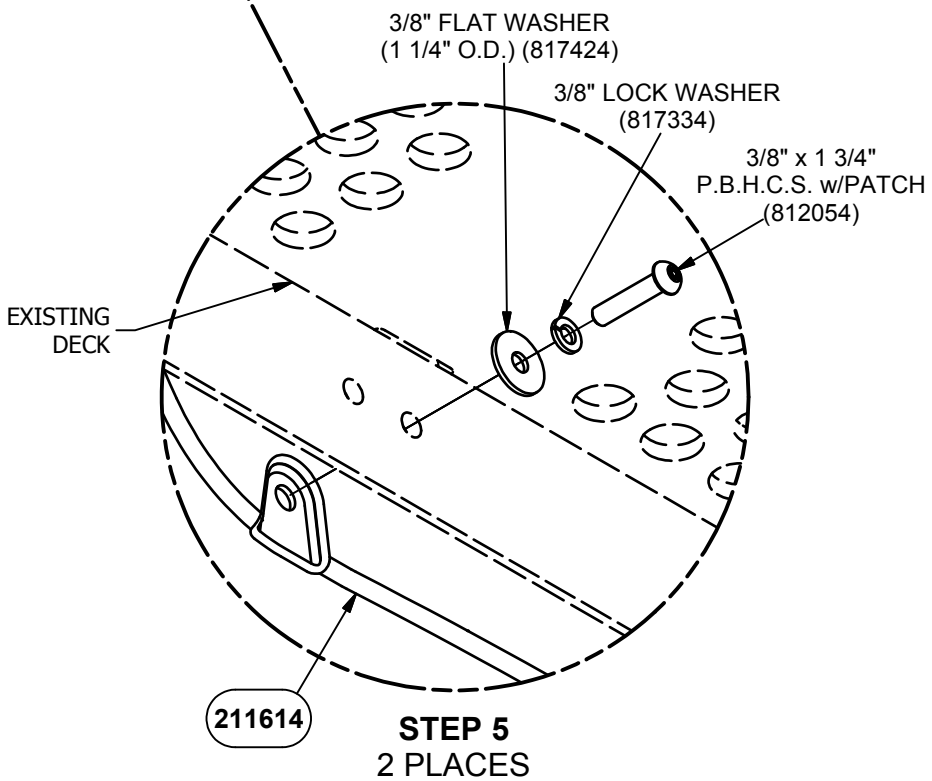

**STEP 4**
4 PLACES




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW




**STEP 5**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| WAVE END TRANSFER | 1 | 211613 |
| WAVE DECK COUPLER | 1 | 211614 |
| FOOTBUCK WELD ASSEMBLY | 1 | 211716 |
| ***HARDWARE COMPLETE*** | 1 | 211821 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 6 | 812054* |
| 3/8" x 4" HEX HEAD BOLT | 1 | 801015* |
| 3/8" x 5" P.B.H.C.S. w/PATCH | 4 | 812078* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 10 | 817424* |
| 3/8" FLAT WASHER | 3 | 817410* |
| 3/8" LOCK WASHER | 12 | 817334* |
| 3/8" BARREL NUT | 4 | 804804* |
| 3/8" HEX NUT | 1 | 804053* |
| EXTENSION PIPE | 1 | 211801* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 9/21/2021

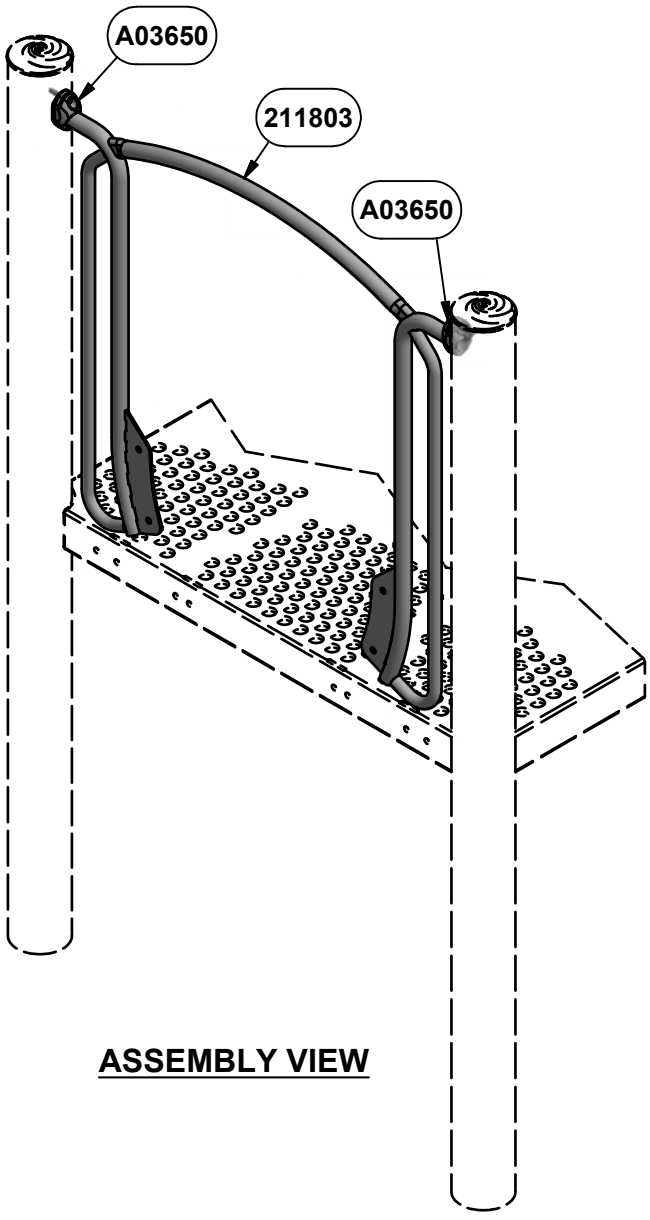
# 91457

# SENSORY WAVE ENTRYWAY

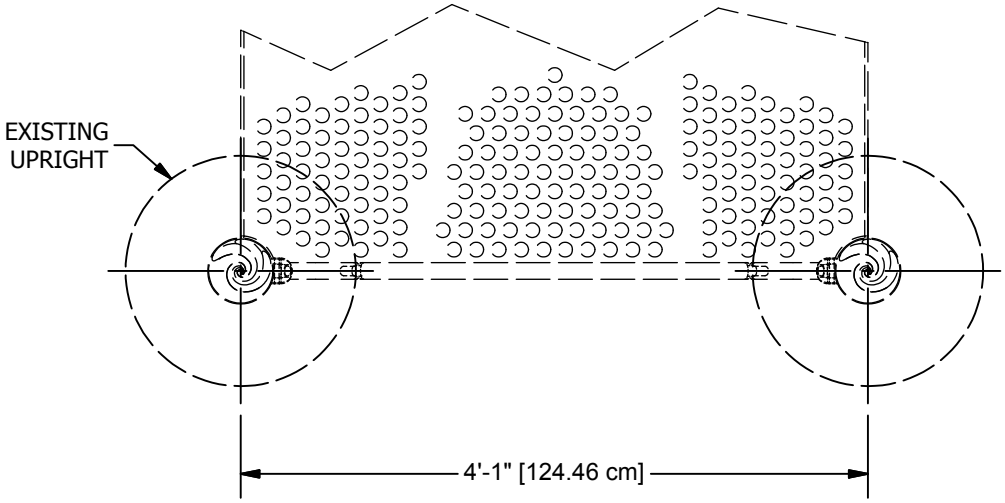



## INSTALLATION INSTRUCTIONS

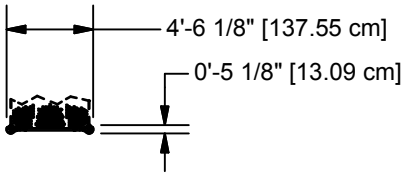
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



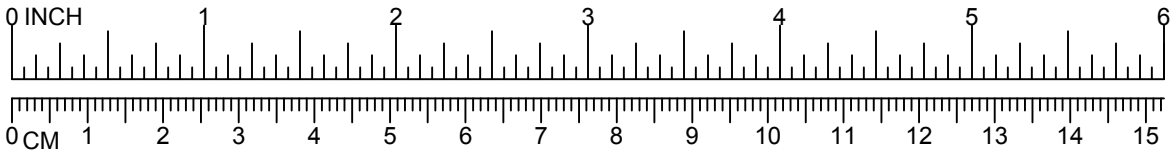

**ASSEMBLY VIEW**



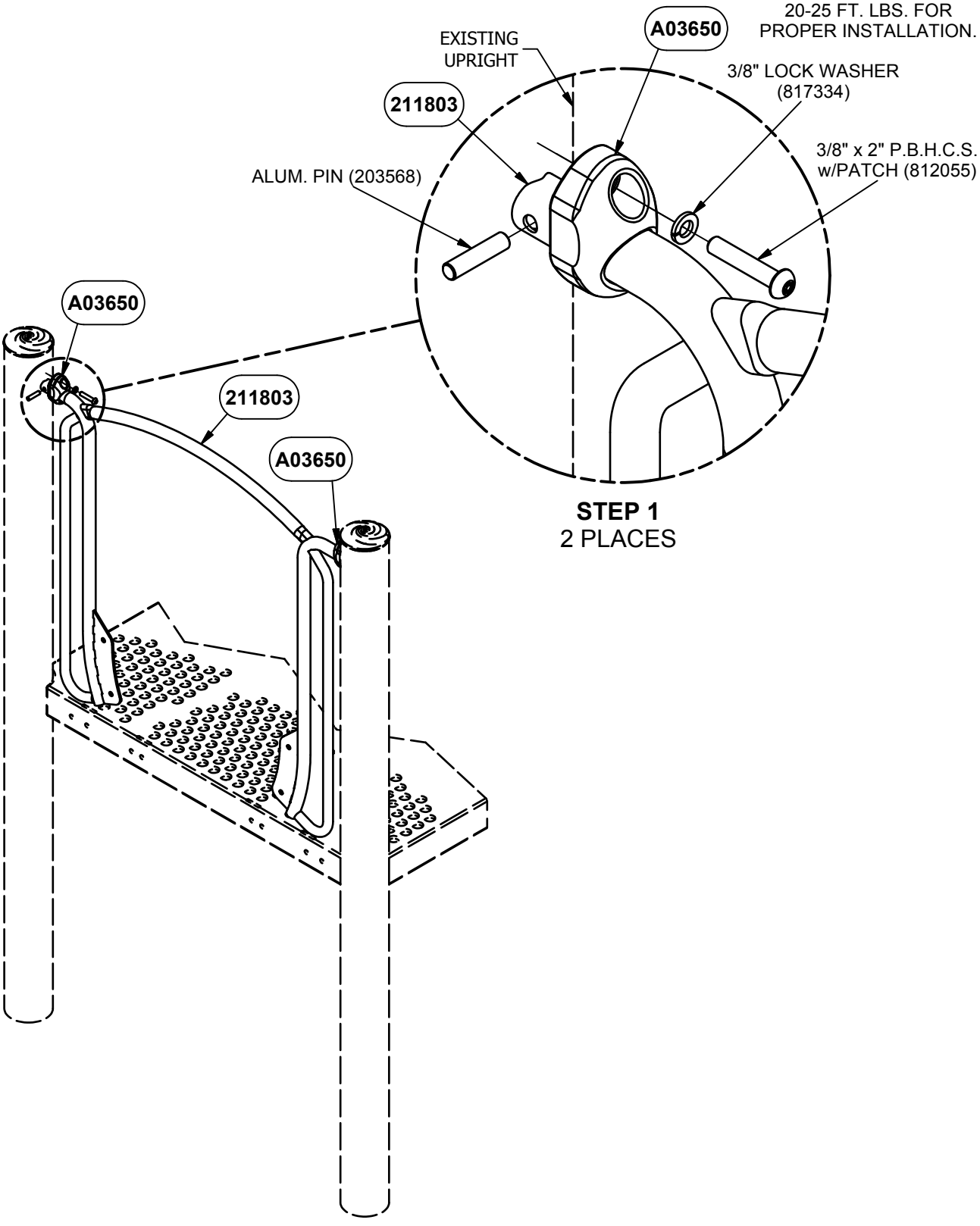

**PLAN VIEW**




**TOP VIEW**




**NOTE:** BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.




**STEP 1**
2 PLACES

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| ENCLOSURE WELD ASSEMBLY | 1 | 211803 |
| TRU-LOC | 2 | A03650 |
| ***HARDWARE COMPLETE*** | 1 | 212412 |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 812055* |
| 3/8" LOCK WASHER | 2 | 817334* |
| ALUM. PIN | 2 | 203568* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

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1-800-235-2440

ISSUED/REVISED: 7/2/2020

# 91546

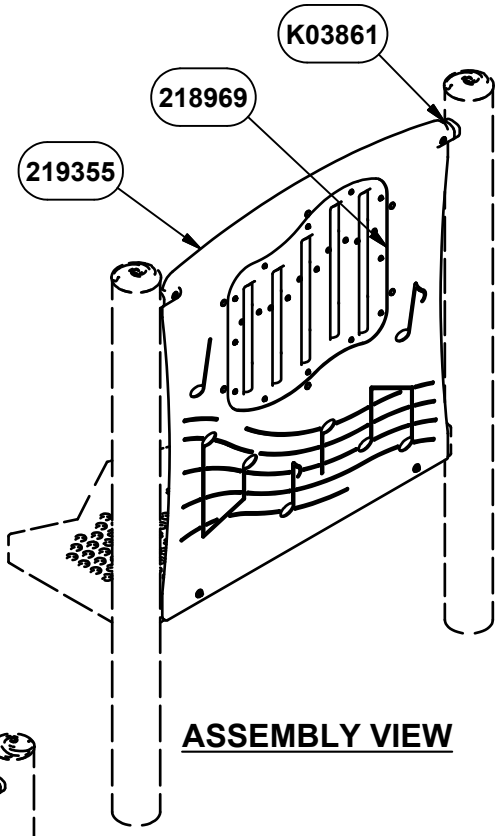
# METALLOPHONE PANEL




UP TO 5'-0" DECK HEIGHT



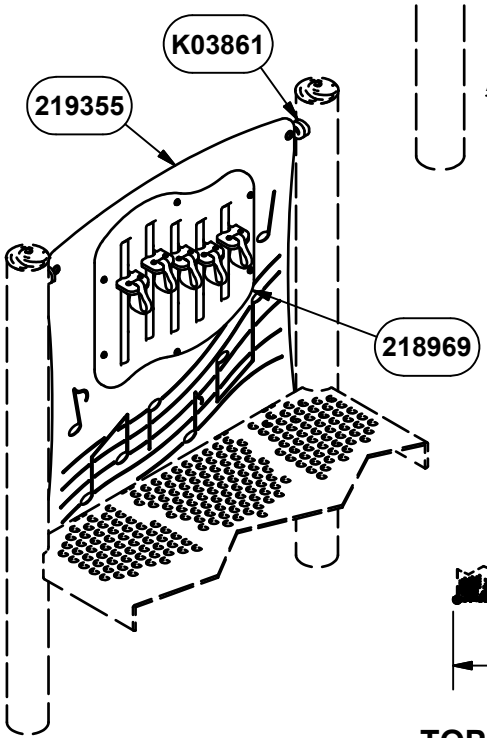

ALL DECK HEIGHTS



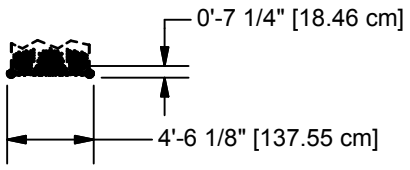

**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

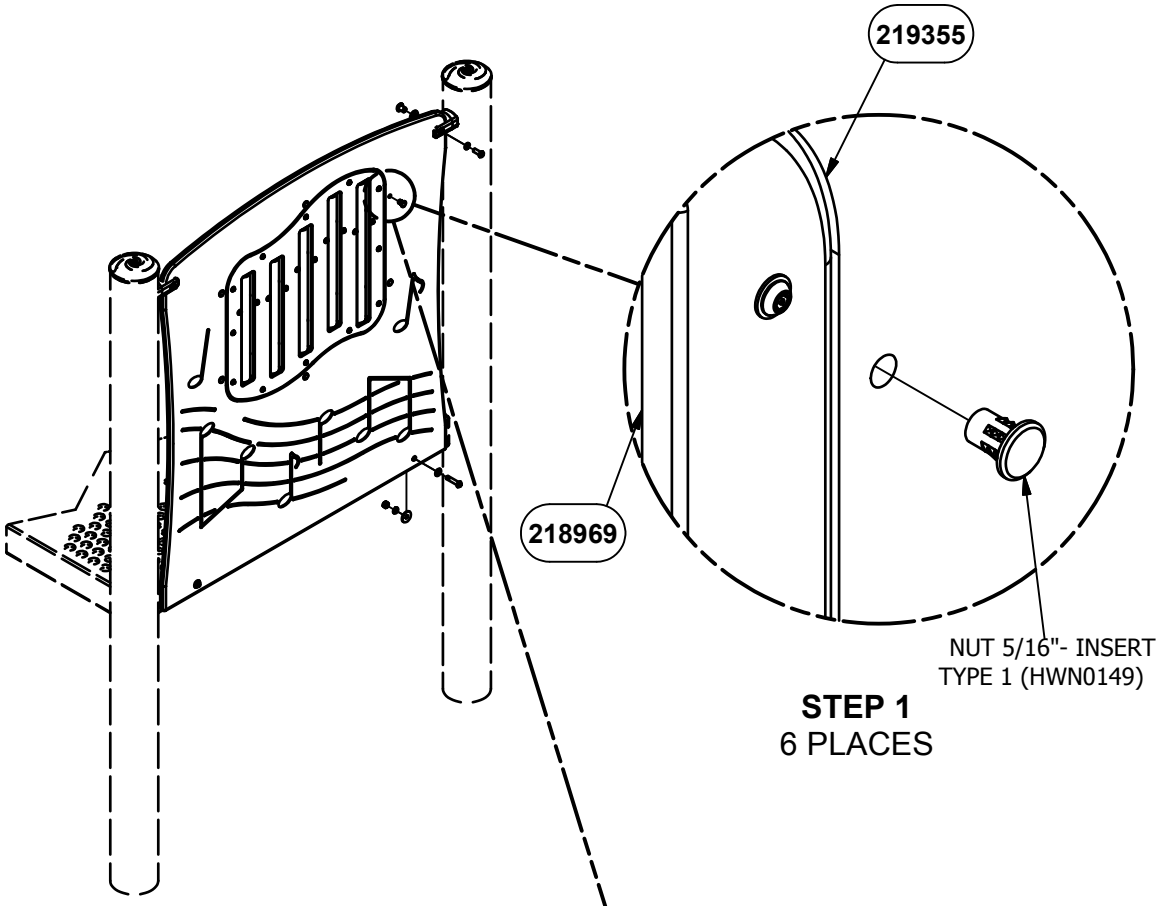
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



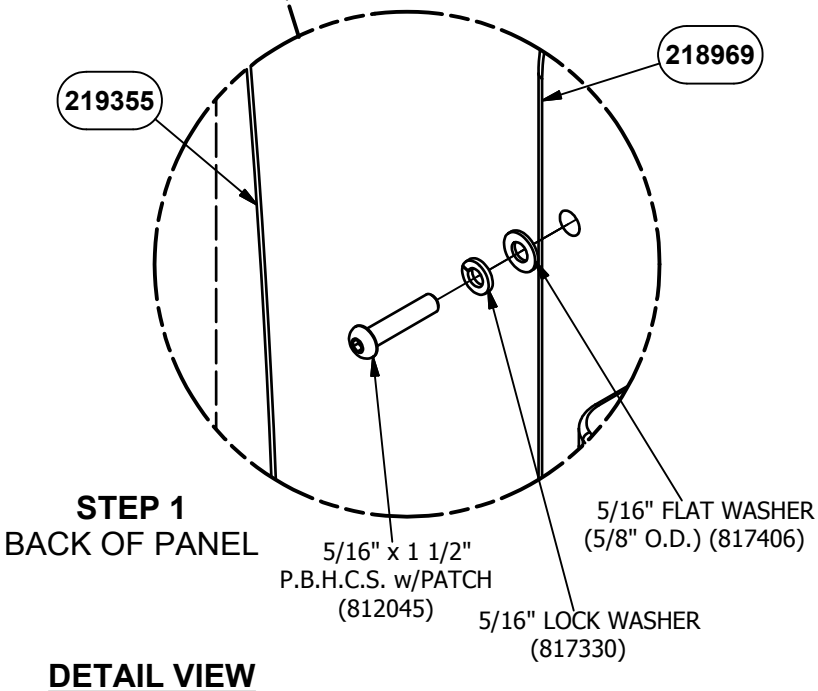

**ASSEMBLY VIEW**
SHOWN FOR CLARITY




**TOP VIEW**



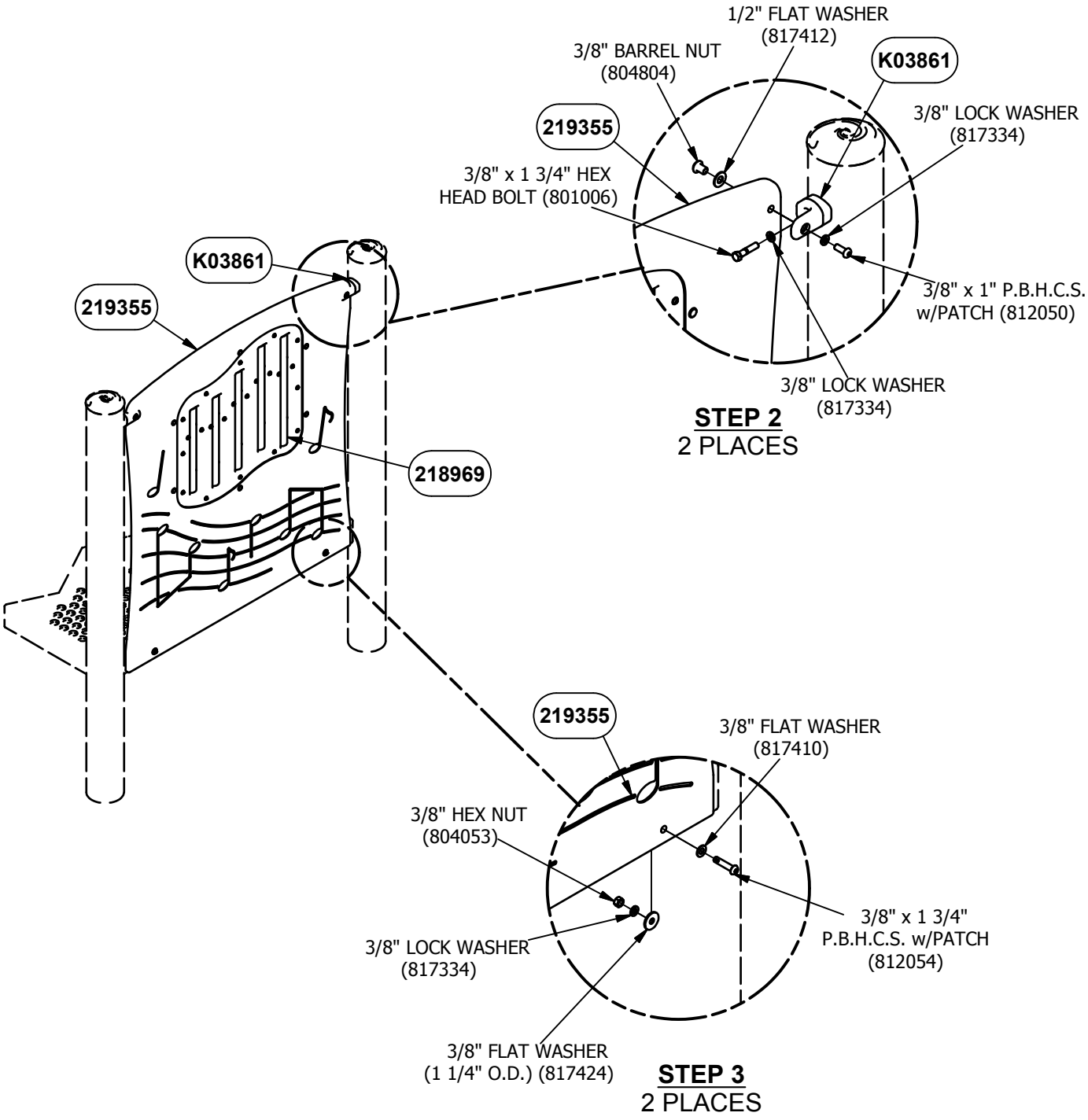

**STEP 1**
6 PLACES




**STEP 1**
BACK OF PANEL

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| METALLOPHONE PANEL | 1 | 219355 |
| METALLOPHONE PANEL INSERT | 1 | 218969 |
| TRU-LOC PANEL ATTACHMENT | 2 | K03861 |
| ***HARDWARE COMPLETE*** | 1 | 219356 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 812050* |
| 3/8" x 1 3/4" HEX HEAD BOLT | 2 | 801006* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| 3/8" LOCK WASHER | 6 | 817334* |
| 3/8" FLAT WASHER | 2 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| 3/8" BARREL NUT | 2 | 804804* |
| 3/8" HEX NUT | 2 | 804053* |
| 5/16" x 1 1/2" P.B.H.C.S. w/PATCH | 6 | 812045* |
| 5/16" LOCK WASHER | 6 | 817330* |
| 5/16" FLAT WASHER (5/8" O.D.) | 6 | 817406* |
| NUT 5/16"- INSERT TYPE 1 | 6 | HWN0149* |
| 1/2" FLAT WASHER | 2 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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1-800-235-2440

ISSUED/REVISED: 7/2/2020

# 91547
# METALLOPHONE PANEL (BELOW DECK)



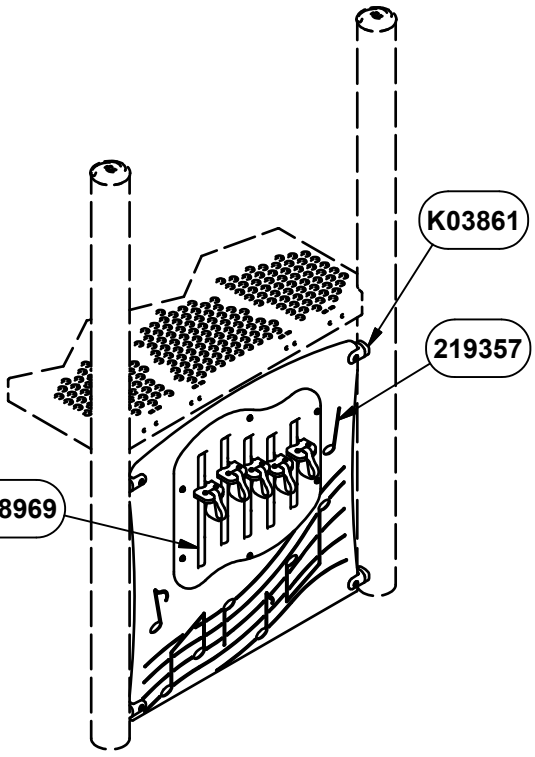

4'-0" TO 5'-0"
DECK HEIGHTS



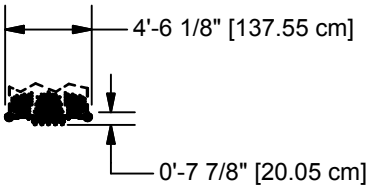

4'-0" TO 8'-0"
DECK HEIGHTS

## INSTALLATION INSTRUCTIONS

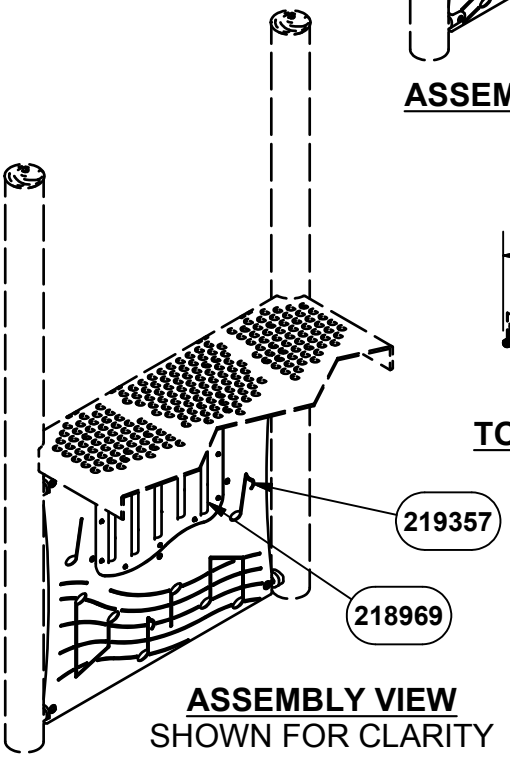
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



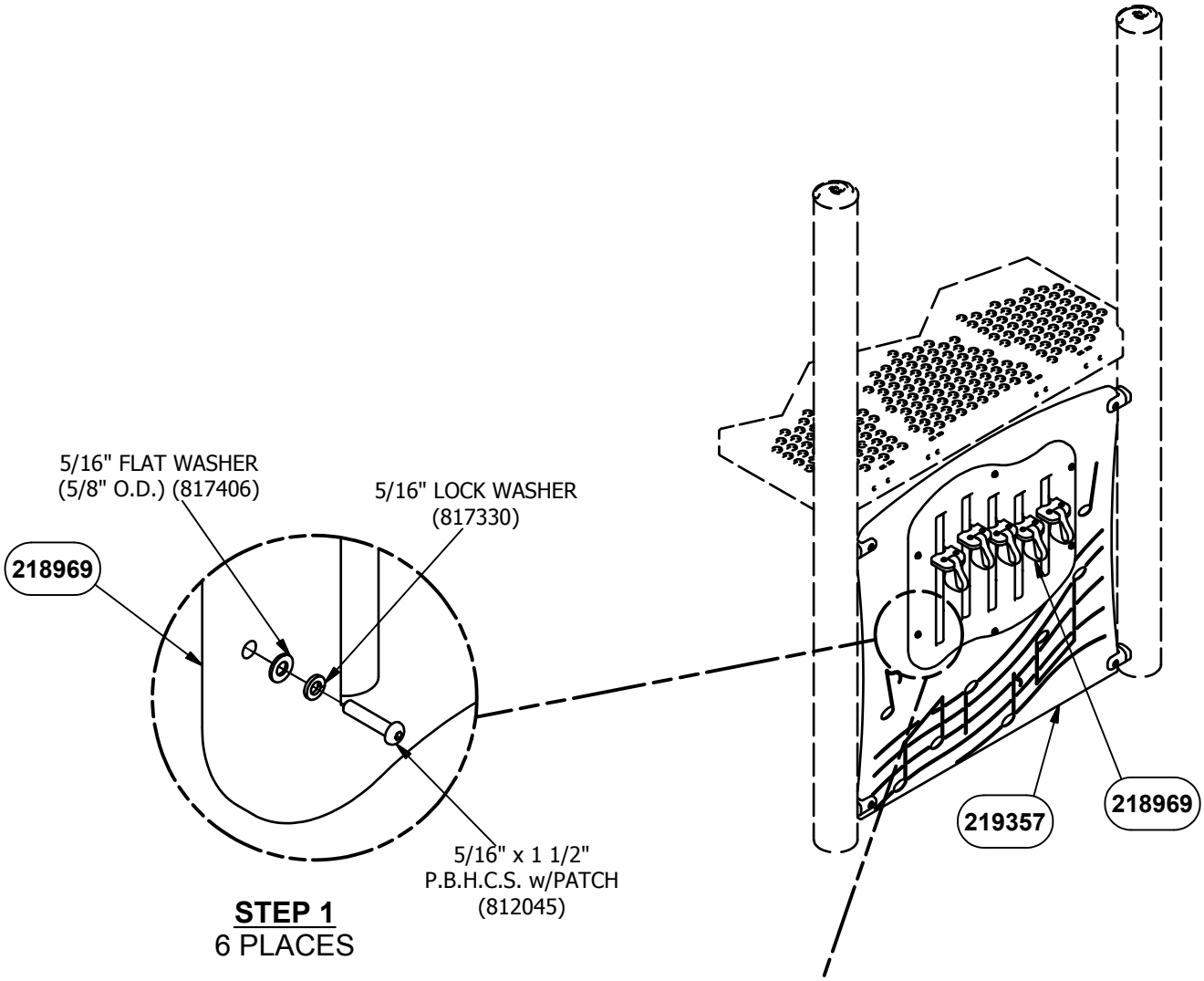

**ASSEMBLY VIEW**



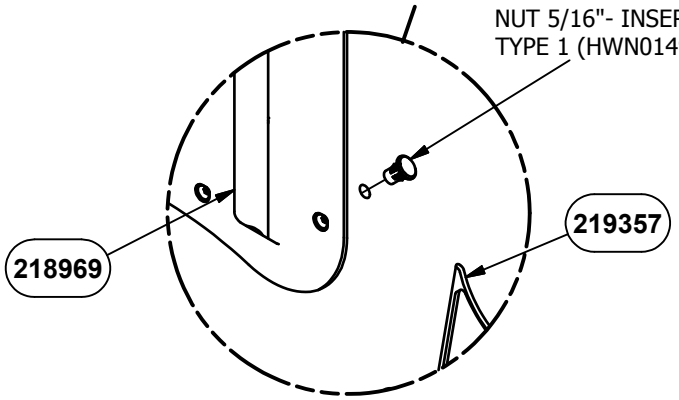

**TOP VIEW**




**ASSEMBLY VIEW**
SHOWN FOR CLARITY



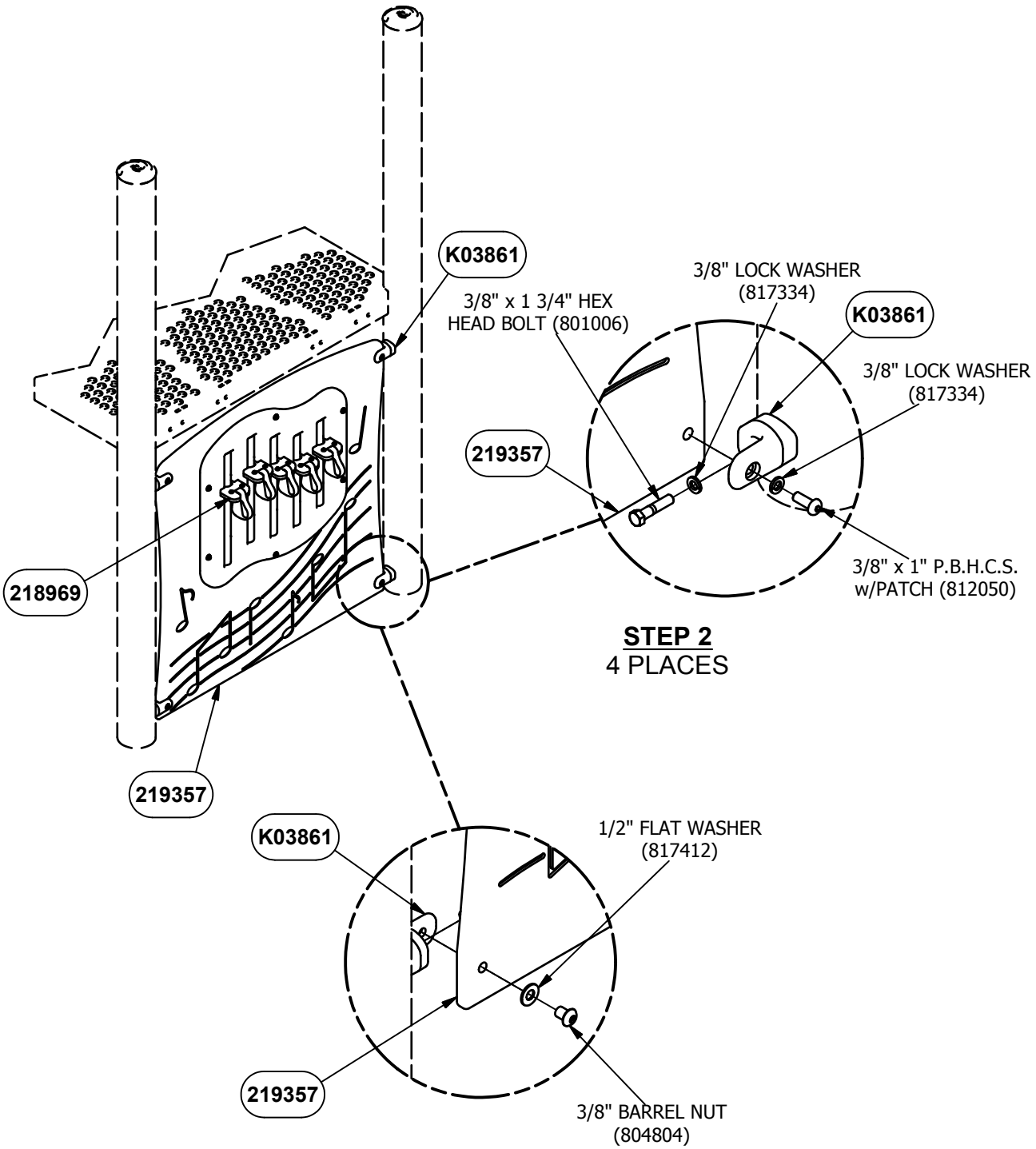

**STEP 1**
6 PLACES




**STEP 1**
BACK OF PANEL

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**STEP 2**
4 PLACES

**STEP 2**
BACK OF PANEL

## DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| METALLOPHONE PANEL | 1 | 219357 |
| METALLOPHONE PANEL INSERT | 1 | 218969 |
| TRU-LOC PANEL ATTACHMENT | 4 | K03861 |
| ***HARDWARE COMPLETE*** | 1 | 219362 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050* |
| 3/8" x 1 3/4" HEX HEAD BOLT | 4 | 801006* |
| 3/8" LOCK WASHER | 8 | 817334* |
| 3/8" BARREL NUT | 4 | 804804* |
| 5/16" x 1 1/2" P.B.H.C.S. w/PATCH | 6 | 812045* |
| 5/16" LOCK WASHER | 6 | 817330* |
| 5/16" FLAT WASHER (5/8" O.D.) | 6 | 817406* |
| NUT 5/16"- INSERT TYPE 1 | 6 | HWN0149* |
| 1/2" FLAT WASHER | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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1-800-235-2440

ISSUED/REVISED: 4/22/2020

# 91555

# 6' RAMP ATTACHMENT

**GUARDRAIL 91555**
**BARRIER 91557**

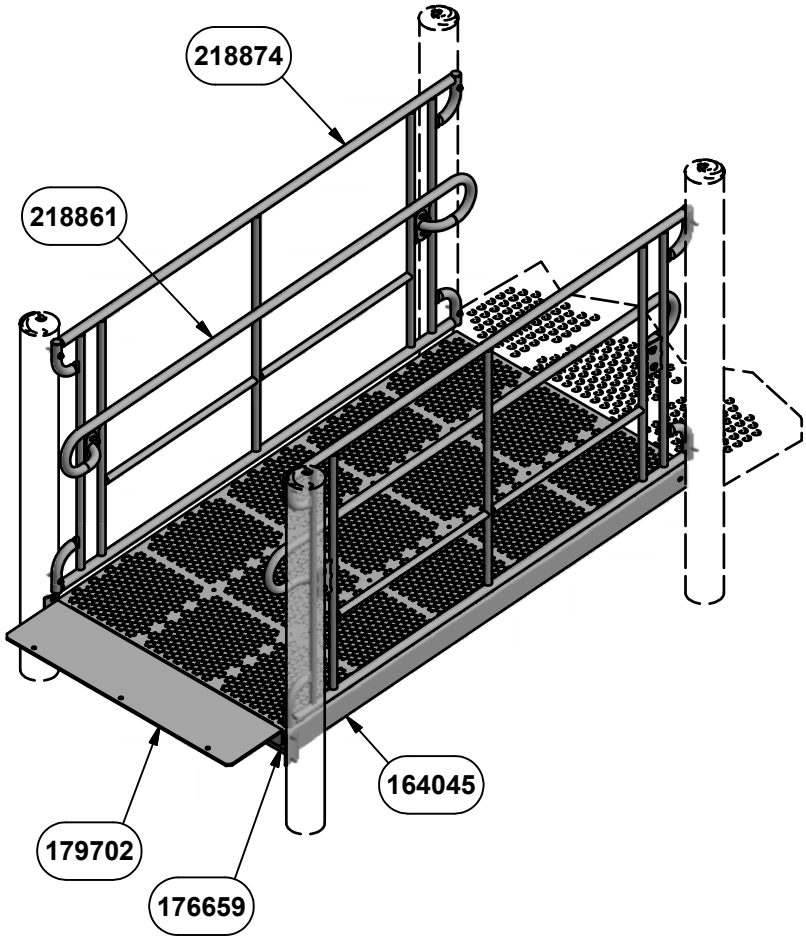



91555
0'-6" THRU 2'-6"
91557
0'-6" THRU 4'-0"




91555
0'-6" THRU 2'-6"
91557
0'-6" THRU 8'-0"

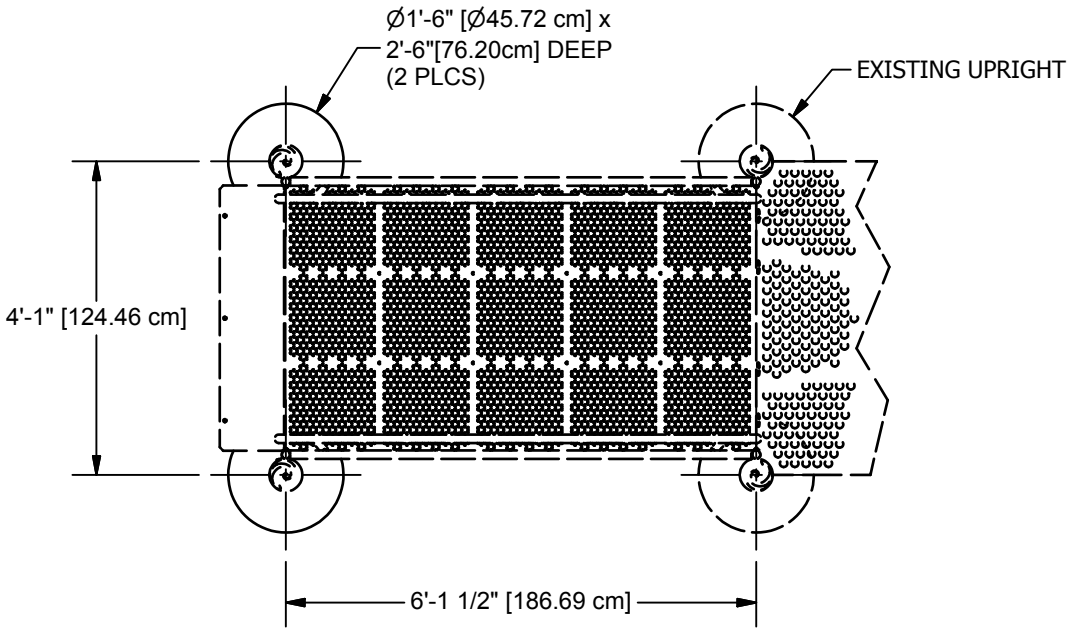
**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**




***ASSEMBLY DRAWING***
**91555 SHOWN**

## *INSTALLATION INSTRUCTIONS*

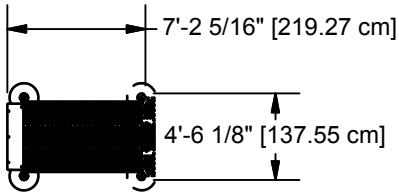
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



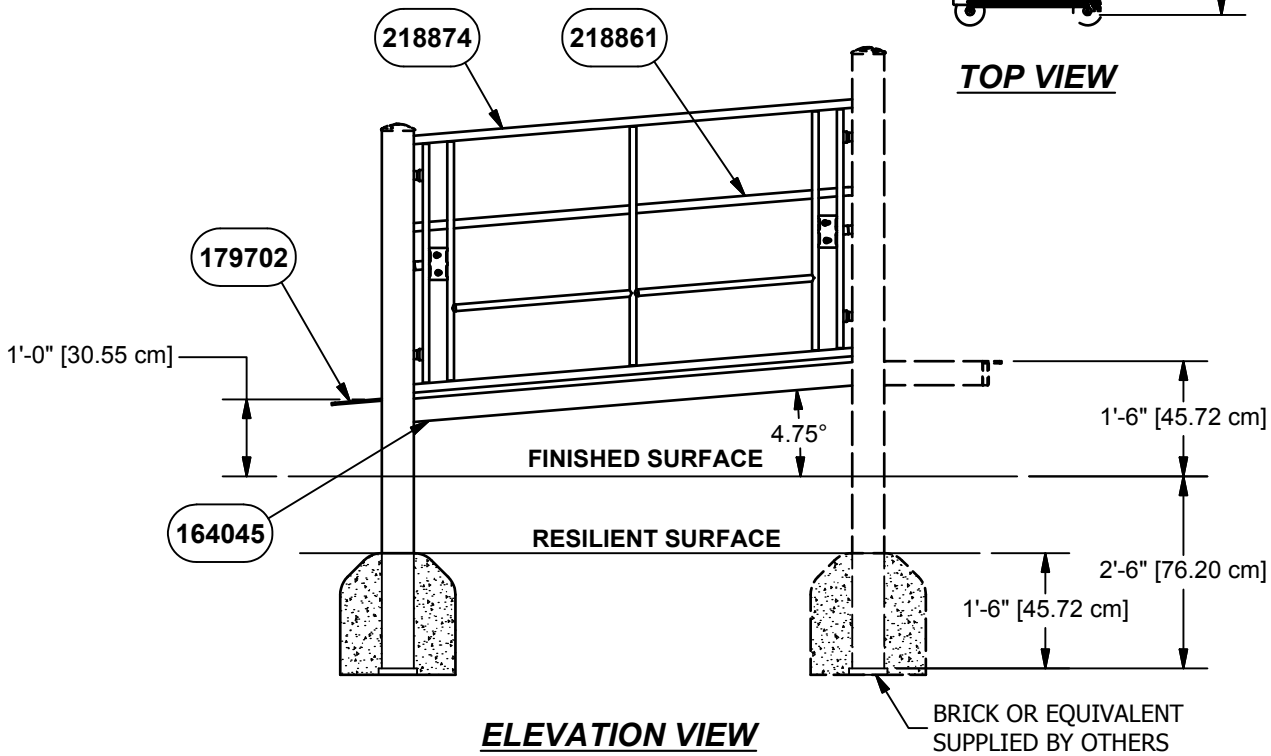

***PLAN VIEW***

**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSION ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED:**
.20 CUBIC YARDS
[.15 CUBIC METERS]

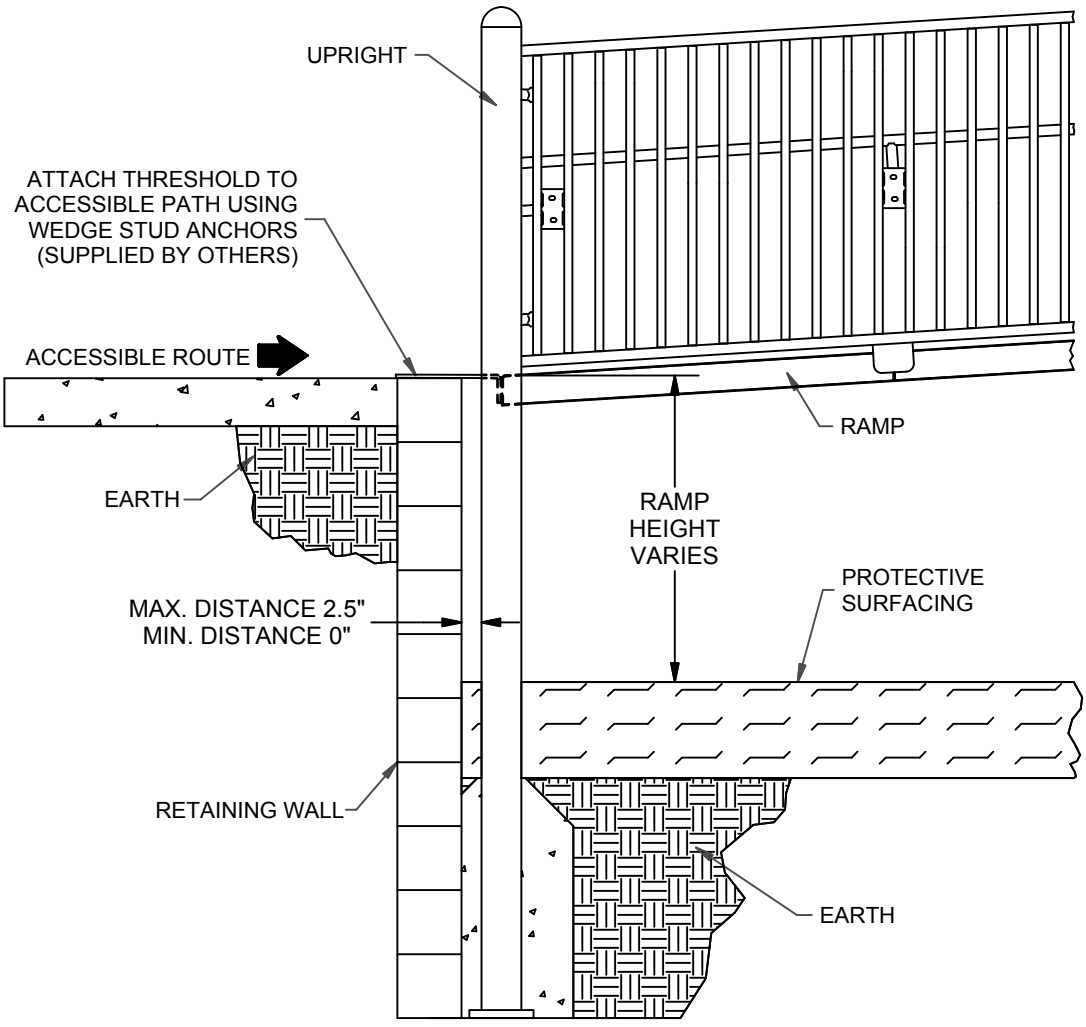



***TOP VIEW***



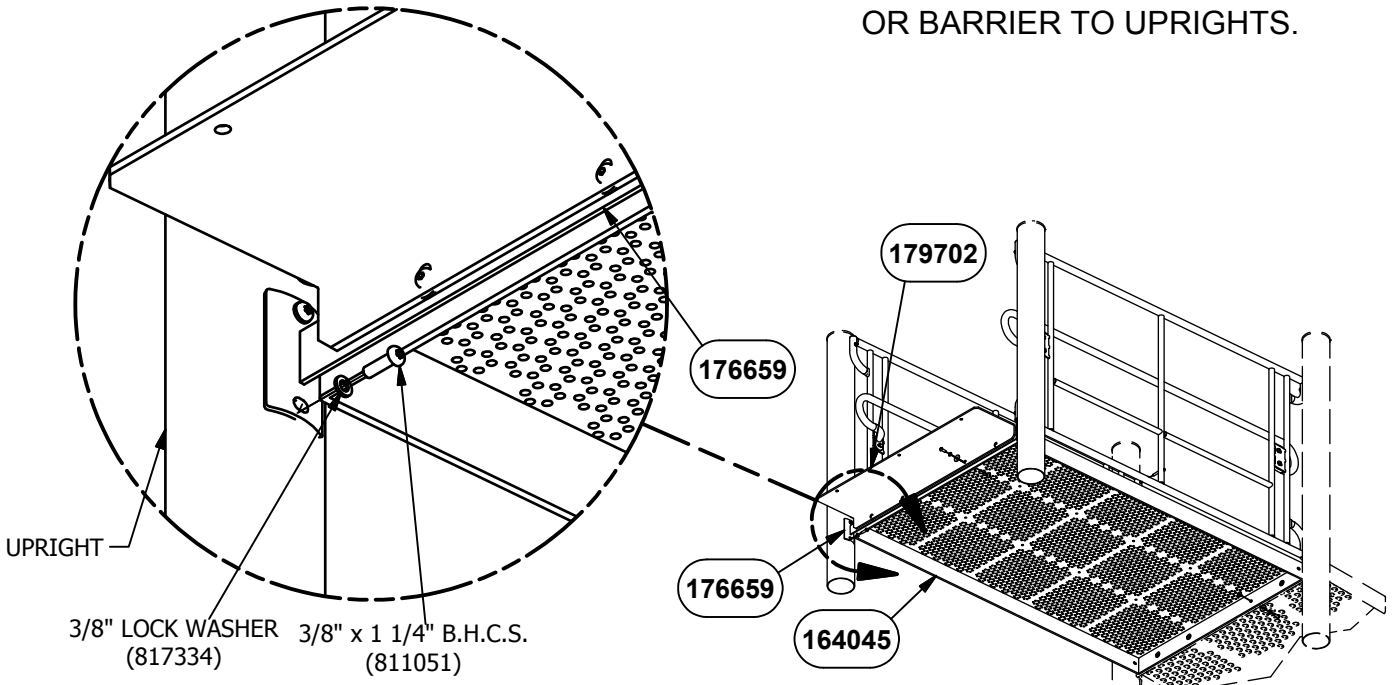

***ELEVATION VIEW***

**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**

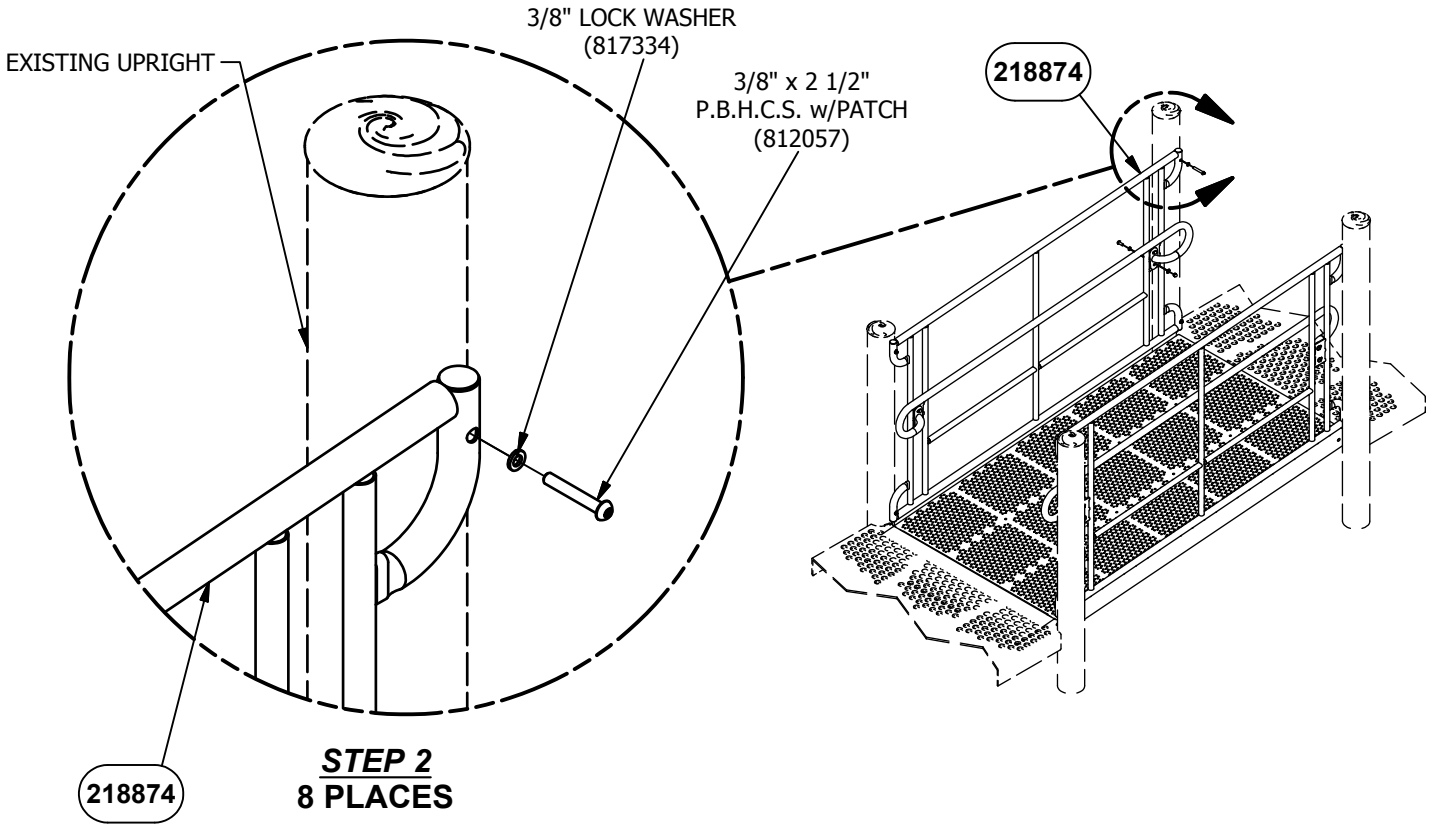



***BASIC RETAINING WALL VIEW***

ATTACH RAMP SUPPORT TO UPRIGHTS. ATTACH GUARDRAIL OR BARRIER TO UPRIGHTS.




***STEP 1***
**4 PLACES**



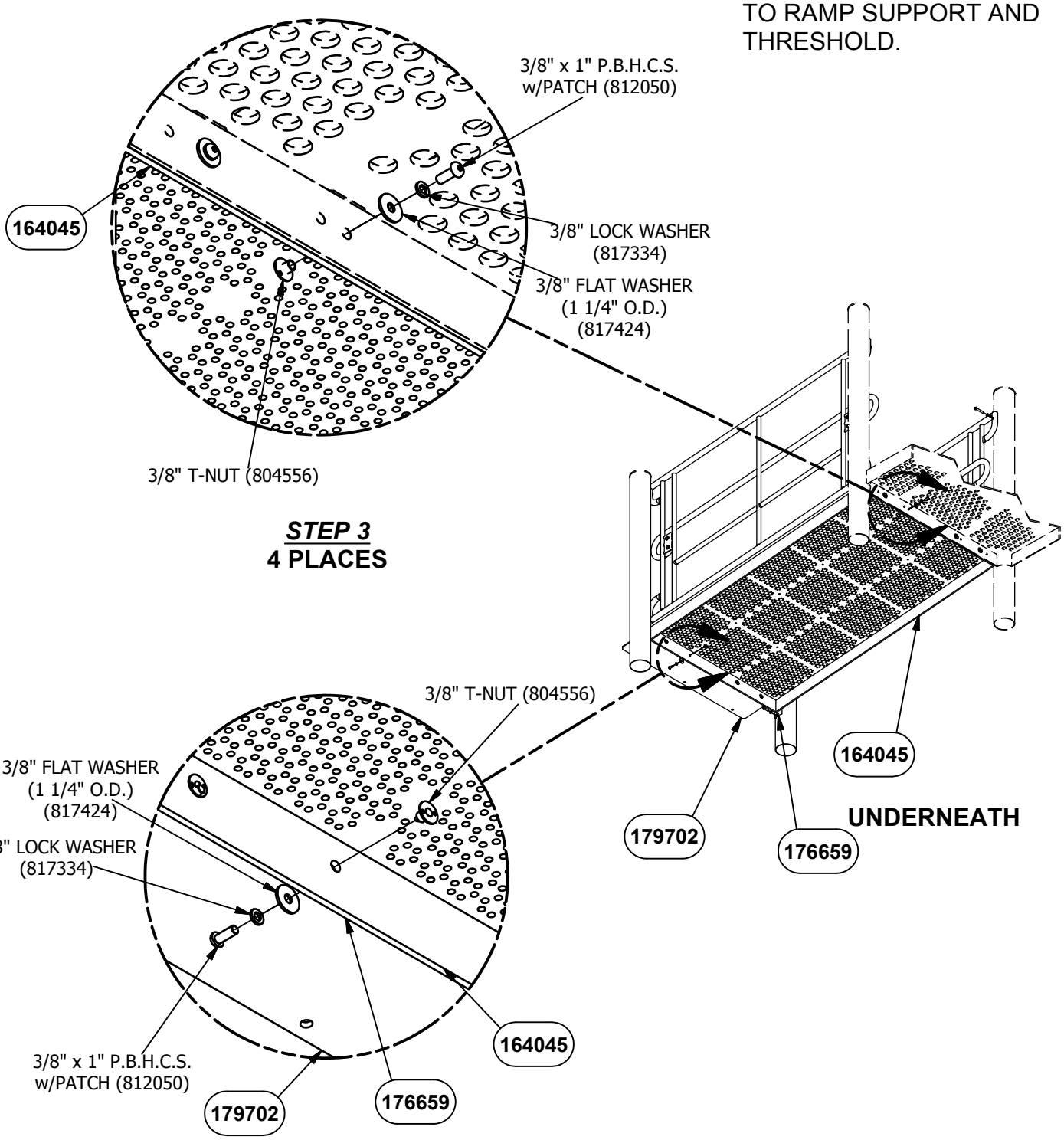

***STEP 2***
**8 PLACES**

## *DETAIL VIEW*

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**NOTE:** ALL DETAILS ARE THE SAME FOR 91557.

ATTACH RAMP SECTION TO EXISTING DECK.
ATTACH RAMP SECTION TO RAMP SUPPORT AND THRESHOLD.




***STEP 3***
**4 PLACES**

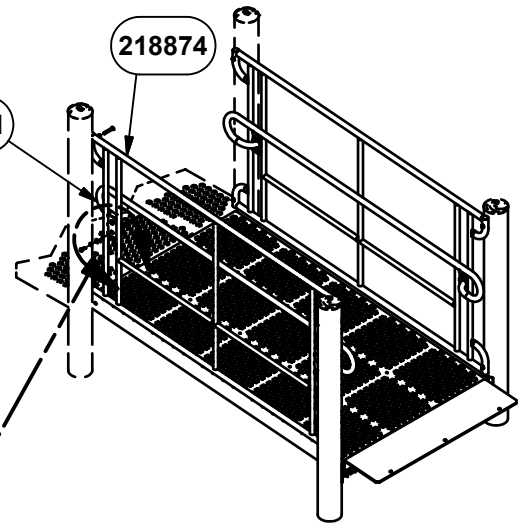
***STEP 4***
**4 PLACES**

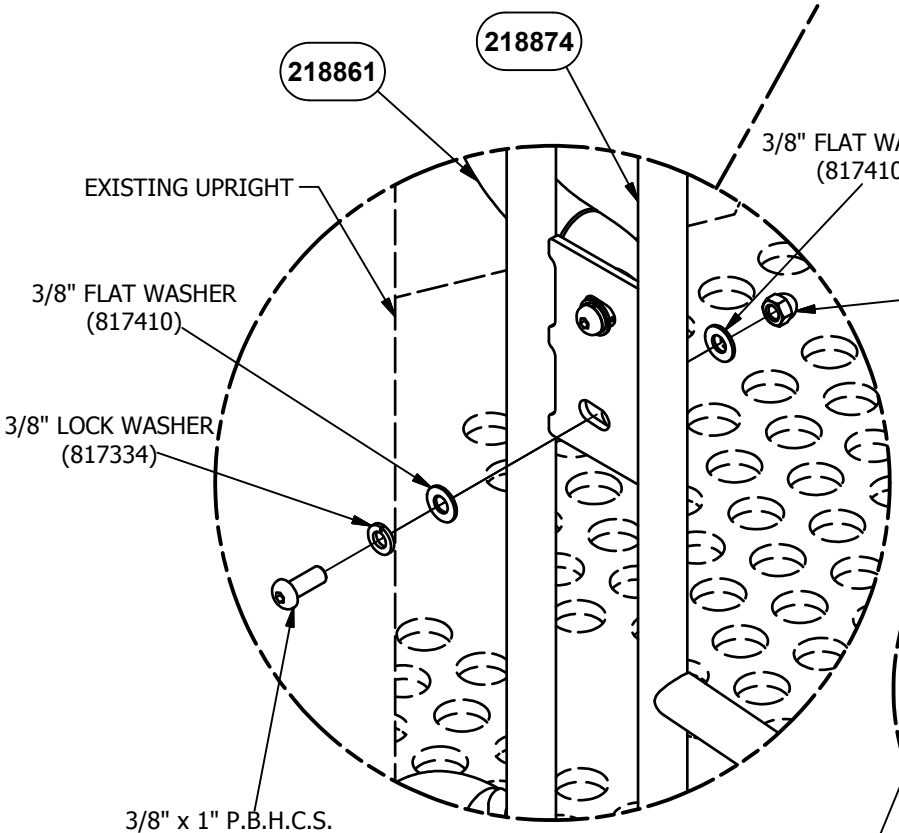
***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

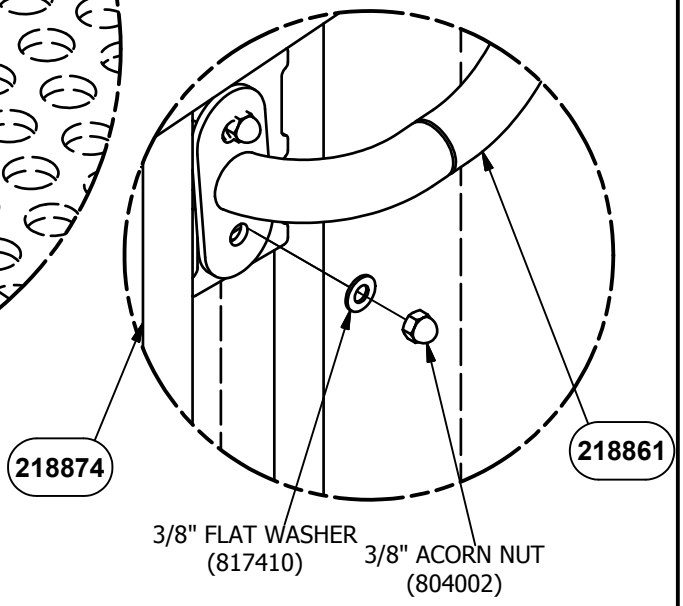
**NOTE:** ALL DETAILS ARE THE SAME FOR 91557.

ATTACH GRABRAIL TO GUARDRAIL OR BARRIER.




***STEP 5***
**8 PLACES**




***STEP 5***
**INTERIOR VIEW**

## ***DETAIL VIEW***

**NOTE:** ALL DETAILS ARE THE SAME FOR 91557.

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 91555 | 91557 | PART NUMBER |
| BARRIER PANEL WELD ASSEMBLY | 0 | 2 | 218864 |
| GUARDRAIL PANEL WELD ASSEMBLY | 2 | 0 | 218874 |
| GRAB RAIL WELD ASSEMBLY | 2 | 2 | 218861 |
| RAMP SECTION | 1 | 1 | 164045 |
| RAMP SUPPORT | 1 | 1 | 176659 |
| THRESHOLD | 1 | 1 | 179702 |
| **HARDWARE COMPLETE** | 1 | 1 | 218912 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 16 | 16 | 812050* |
| 3/8" x 1 1/4" B.H.C.S. | 4 | 4 | 811051* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 8 | 8 | 812057* |
| 3/8" LOCK WASHER | 28 | 28 | 817334* |
| 3/8" FLAT WASHER | 16 | 16 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 8 | 817424* |
| 3/8" ACORN NUT | 8 | 8 | 804002* |
| 3/8" T-NUT | 8 | 8 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## *MAINTENANCE PROCEDURE:*

- Periodically check hardware for tightness, and tighten as necessary.
- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.
- Check all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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1-800-235-2440

ISSUED/REVISED: 4/20/2020

# 91556

# 6' RAMP LINK

**GUARDRAIL 91556**
**BARRIER 91558**

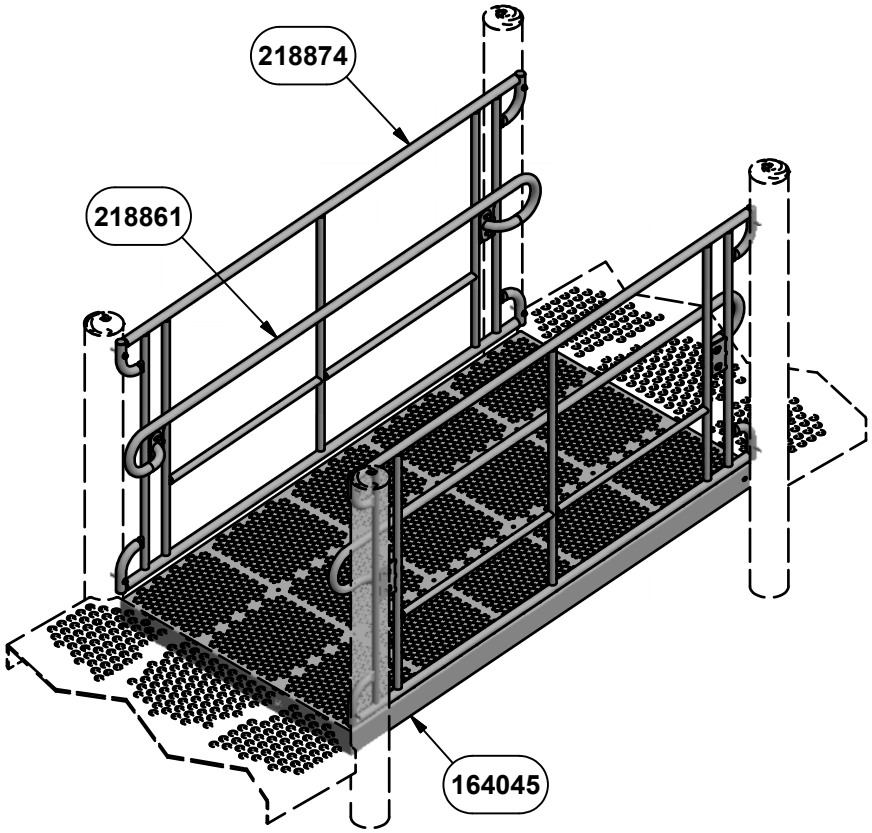



91556
0'-6" THRU 2'-6"
91558
0'-6" THRU 5'-0"

**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**



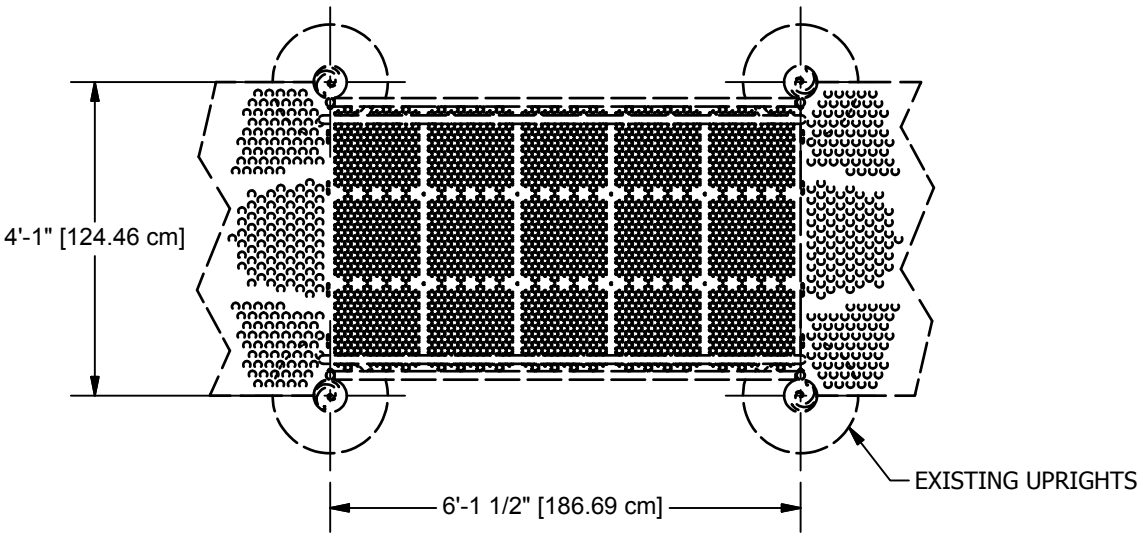

91556
0'-6" THRU 2'-6"
91558
0'-6" THRU 8'-0"




***ASSEMBLY DRAWING***
**91556 SHOWN**

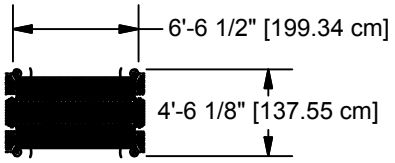
## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

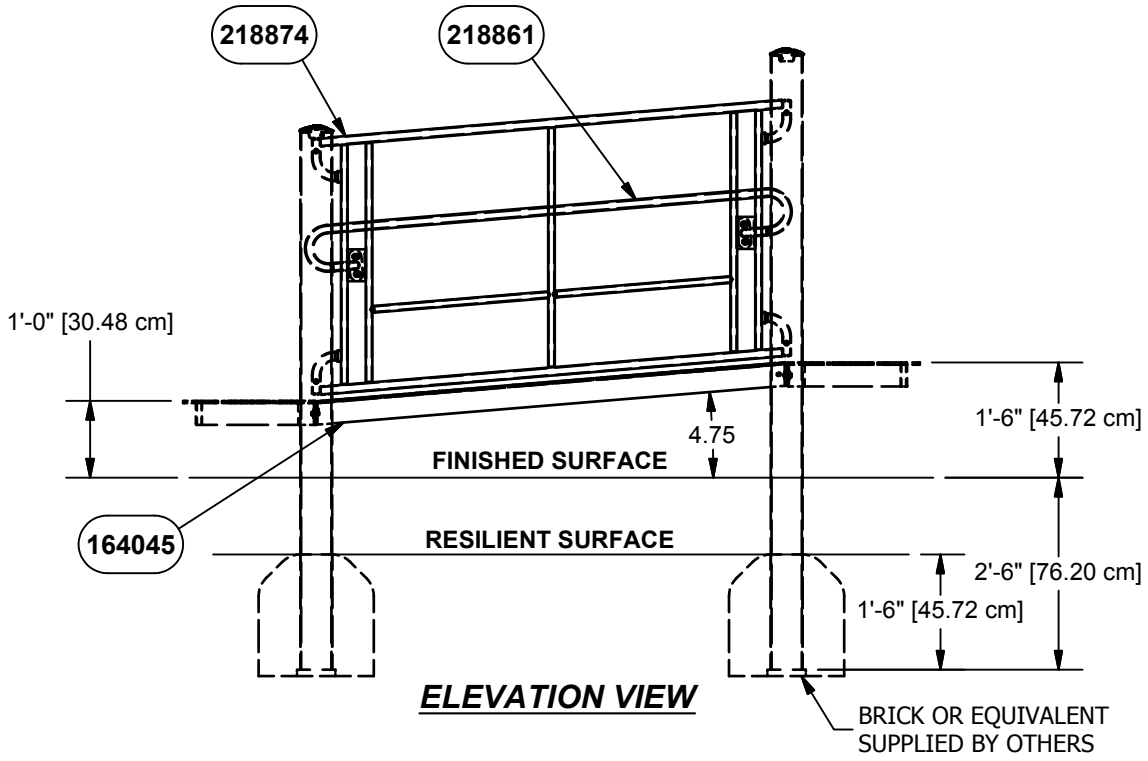



***PLAN VIEW***

**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSION ARE BASED ON LEVEL FINISHED SURFACE.

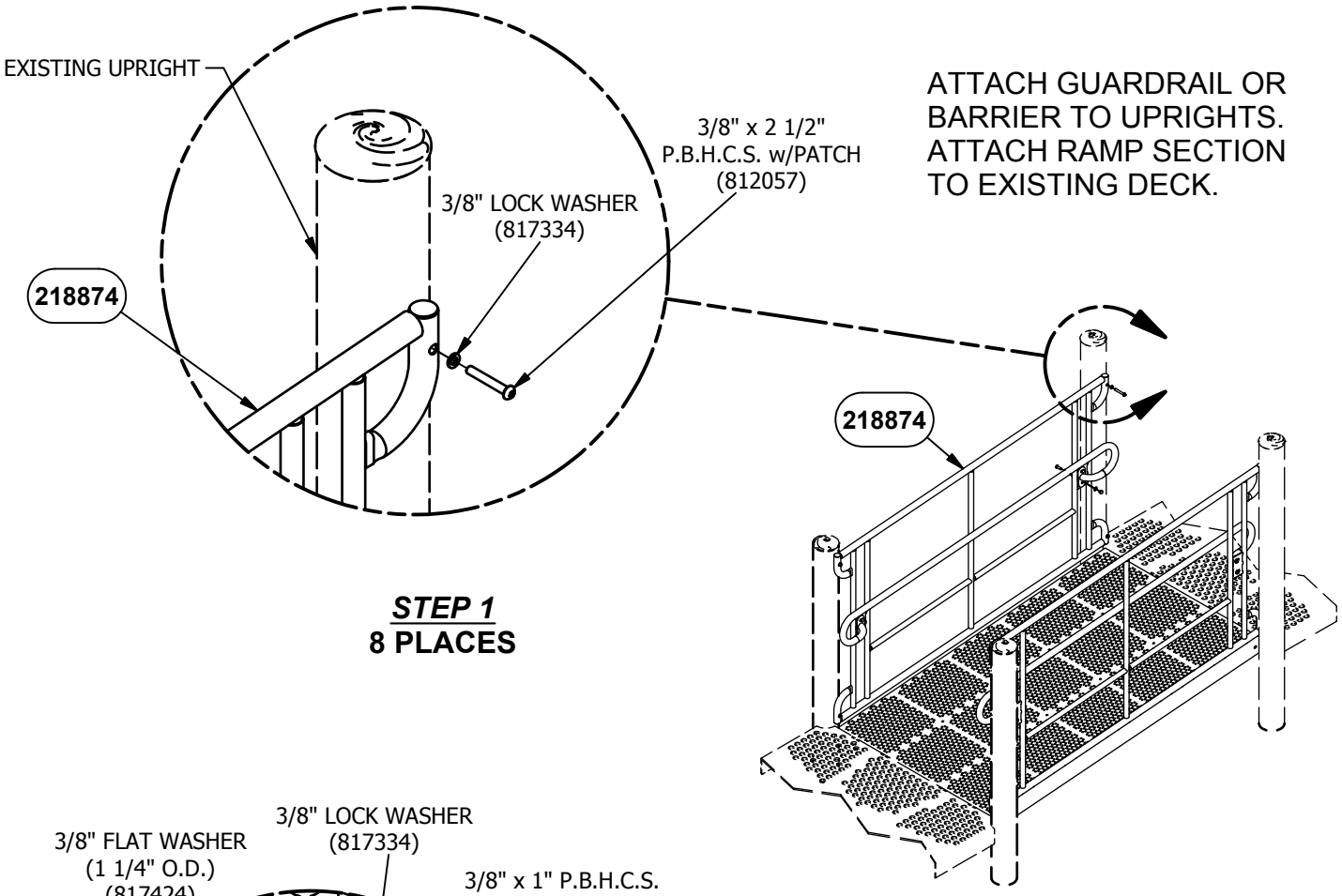



***TOP VIEW***



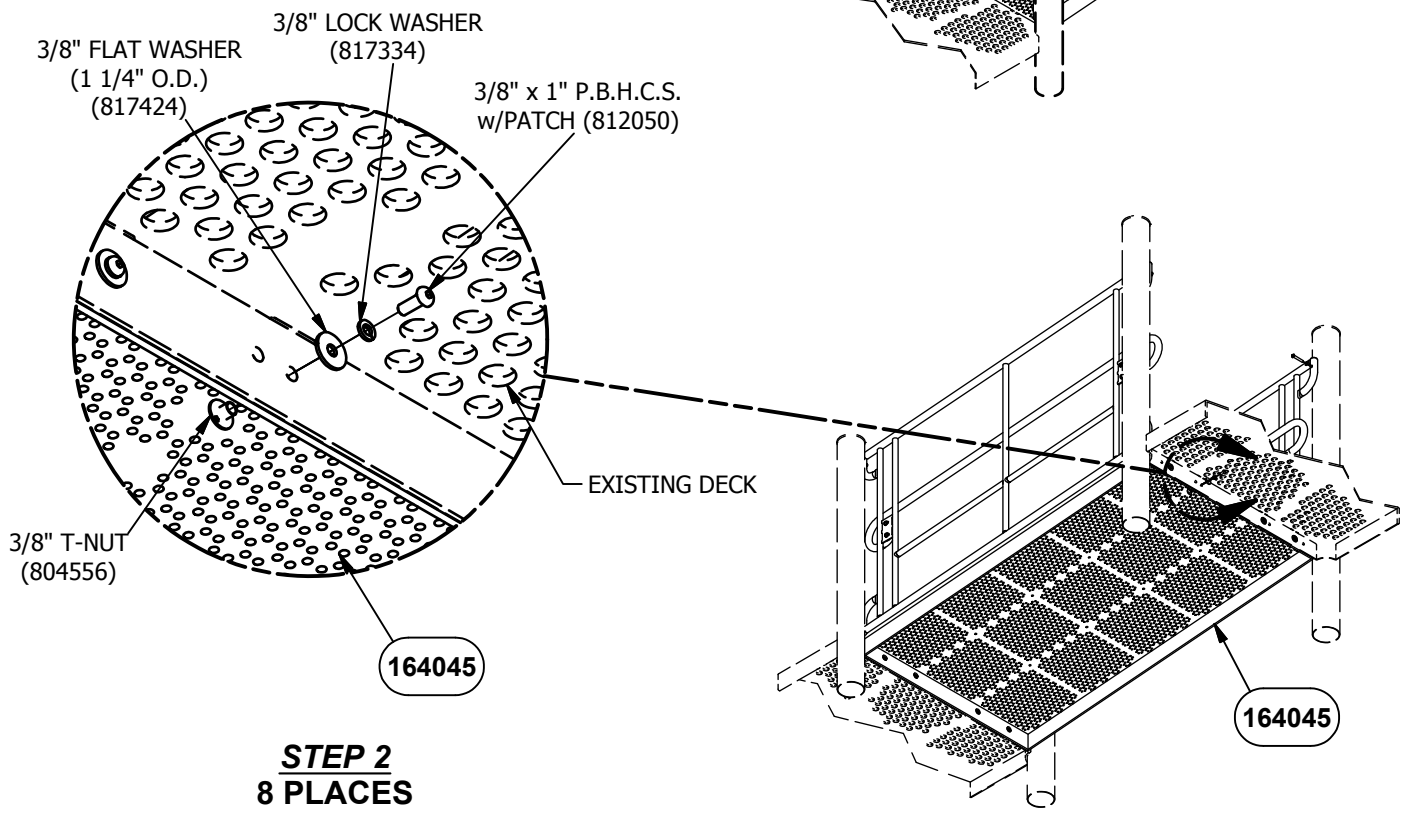

***ELEVATION VIEW***

**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**




ATTACH GUARDRAIL OR BARRIER TO UPRIGHTS. ATTACH RAMP SECTION TO EXISTING DECK.

***STEP 1***
**8 PLACES**




***STEP 2***
**8 PLACES**

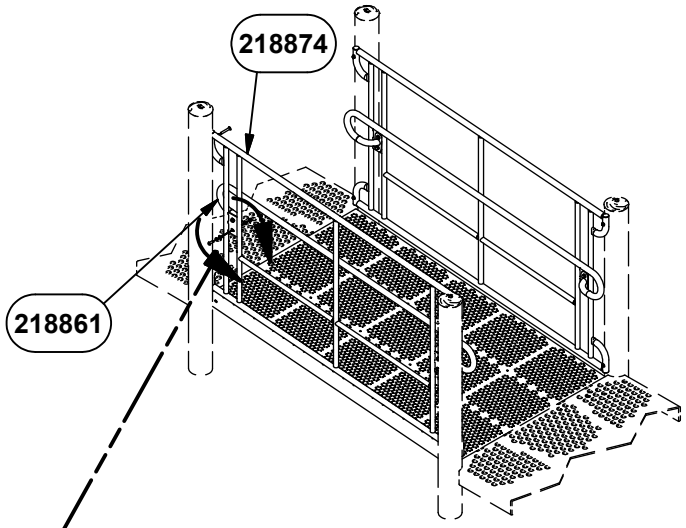
**UNDERNEATH**

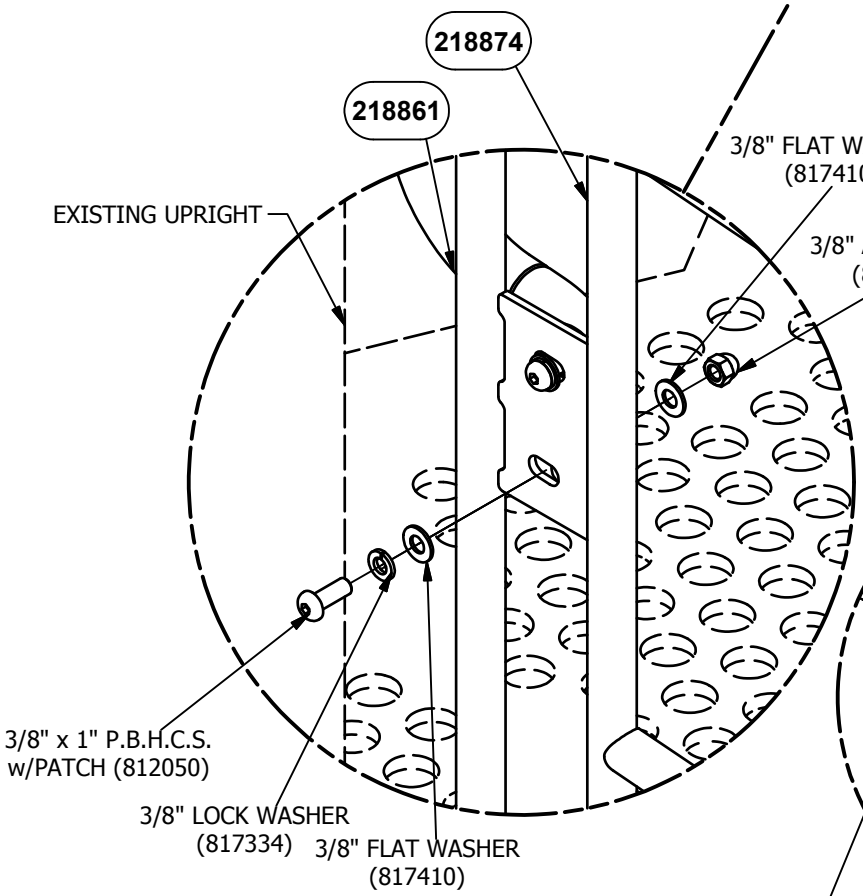
***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

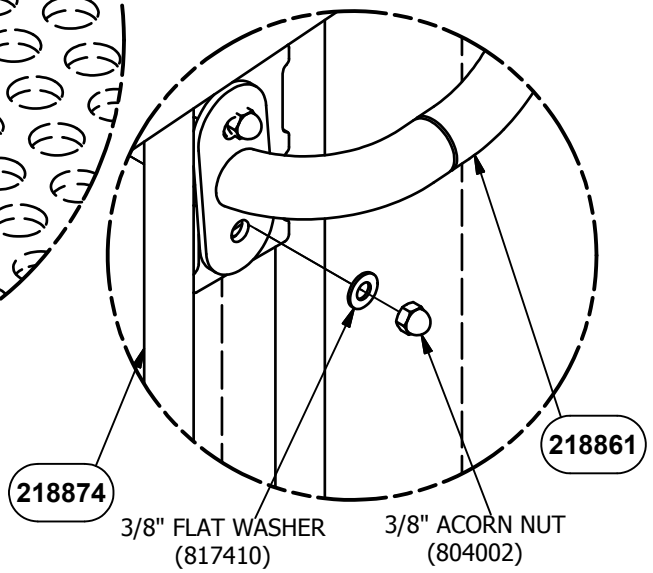
**NOTE:** ALL DETAILS ARE THE SAME FOR 91558.

ATTACH GRABRAIL TO GUARDRAIL OR BARRIER.




***STEP 3***
**8 PLACES**




***STEP 3***
**INTERIOR VIEW**

**NOTE:** ALL DETAILS ARE THE SAME FOR 91558.

***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 91556 | 91558 | PART NUMBER |
| GUARDRAIL PANEL WELD ASSEMBLY | 2 | 0 | 218874 |
| BARRIER PANEL WELD ASSEMBLY | 0 | 2 | 218864 |
| GRAB RAIL WELD ASSEMBLY | 2 | 2 | 218861 |
| RAMP SECTION | 1 | 1 | 164045 |
| **HARDWARE COMPLETE** | 1 | 1 | 218900 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 16 | 16 | 812050* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 8 | 8 | 812057* |
| 3/8" LOCK WASHER | 24 | 24 | 817334* |
| 3/8" FLAT WASHER | 16 | 16 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 8 | 817424* |
| 3/8" ACORN NUT | 8 | 8 | 804002* |
| 3/8" T-NUT | 8 | 8 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## *MAINTENANCE PROCEDURE:*

- Periodically check hardware for tightness, and tighten as necessary.
- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.
- Check all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

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**1-800-235-2440**

**ISSUED/REVISED: 5/16/2024**

# 91563

# FLOWER SPINNER HALF PANEL

| | |
|---|---|
| **FLOWER SPINNER HALF PANEL** | **91563** |
| **FACE CREATOR HALF PANEL** | **91566** |
| **APPLE TREE HALF PANEL** | **91569** |
| **ANSWER BALL HALF PANEL** | **91572** |




UP TO 2'-6"
DECK HEIGHTS



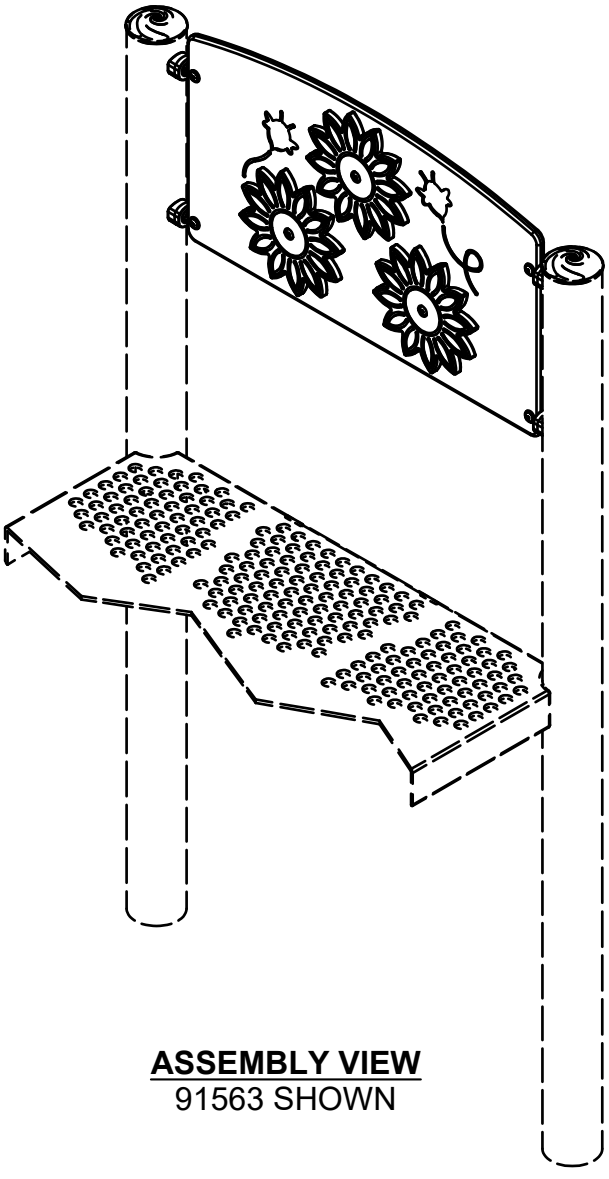

UP TO 4'-0"
DECK HEIGHTS

***INSTALLATION INSTRUCTIONS***

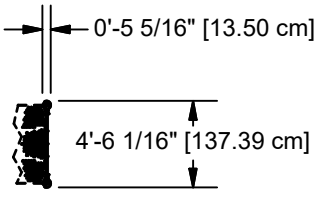
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as show in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

**3.ALL NON-PATCHED HARDWARE REQUIRES LOCTITE (SUPPLIED BY OTHERS.)**

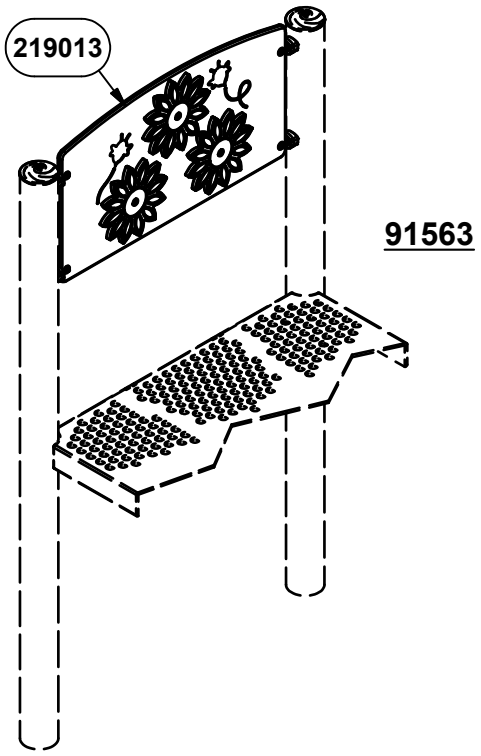
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



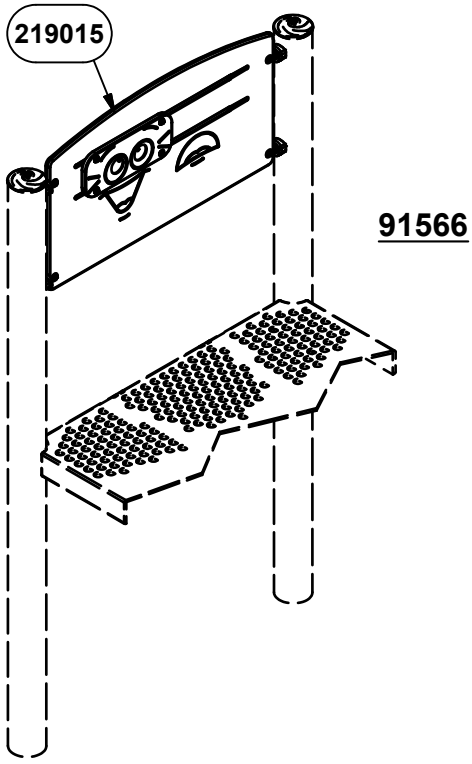
**ASSEMBLY VIEW**
91563 SHOWN



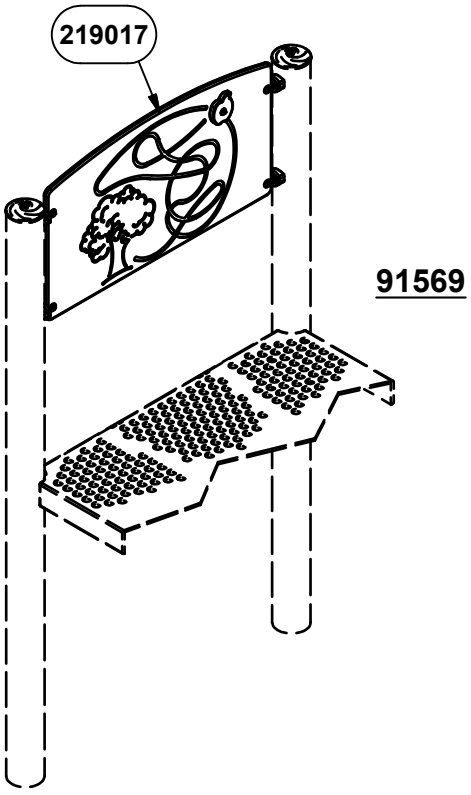

**TOP VIEW**



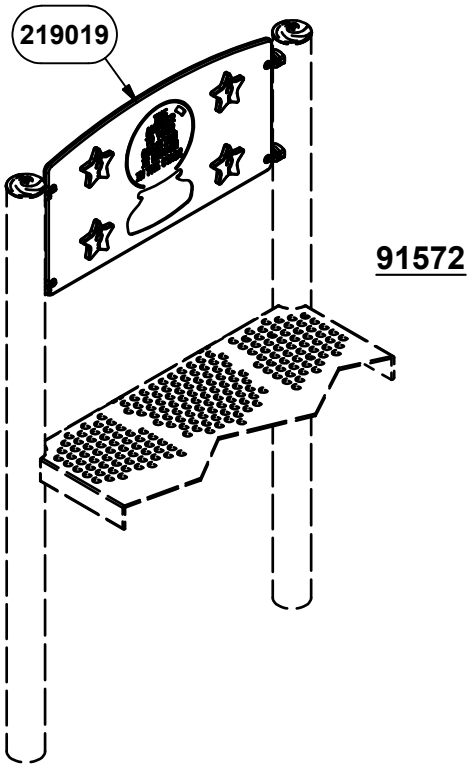

**91563**




**91566**



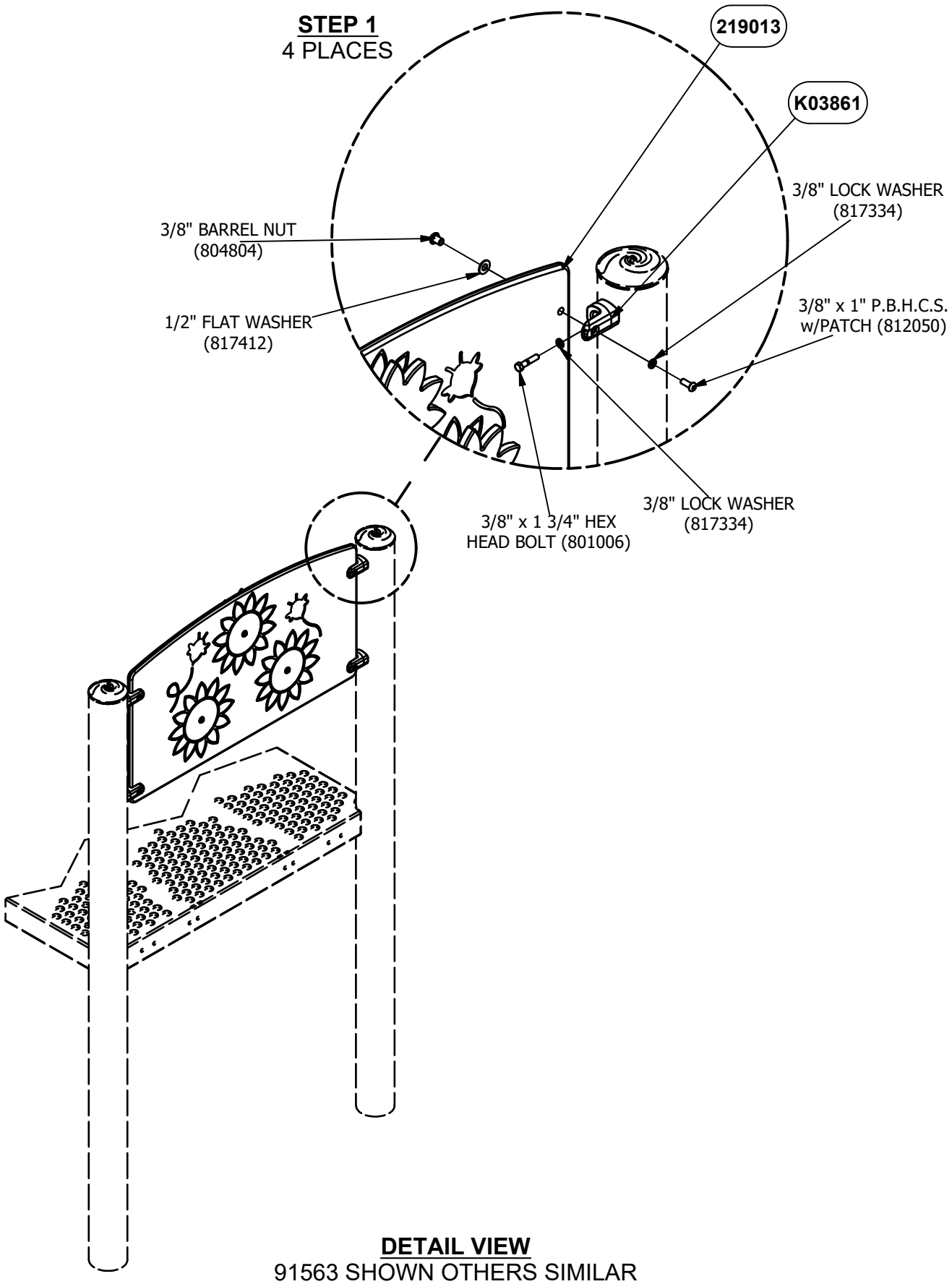

**91569**




**91572**

## ASSEMBLY VIEW

**STEP 1**
4 PLACES




**DETAIL VIEW**
91563 SHOWN OTHERS SIMILAR

**NOTE:** DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 91563 | 91566 | 91569 | 91572 | PART NUMBER |
| FLOWER SPINNER HALF PANEL ASSEMBLY | 1 | 0 | 0 | 0 | 219013 |
| FACE CREATOR HALF PANEL ASSEMBLY | 0 | 1 | 0 | 0 | 219015 |
| APPLE TREE HALF PANEL ASSEMBLY | 0 | 0 | 1 | 0 | 219017 |
| ANSWER BALL HALF PANEL ASSEMBLY | 0 | 0 | 0 | 1 | 219019 |
| TRU-LOC PANEL ATTACHMENT | 4 | 4 | 4 | 4 | K03861 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 218986 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 812050* |
| 3/8" x 1 3/4" HEX HEAD BOLT | 4 | 4 | 4 | 4 | 801006* |
| 3/8" LOCK WASHER | 8 | 8 | 8 | 8 | 817334* |
| 3/8" BARREL NUT | 4 | 4 | 4 | 4 | 804804* |
| 1/2" FLAT WASHER | 4 | 4 | 4 | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

**1-800-235-2440**

**ISSUED/REVISED: 5/14/2020**

# 91577

# AUTOMOTIVE RACE HALF PANEL

**AUTOMOTIVE RACE HALF PANEL 91577**
**ANIMAL RACE HALF PANEL 91580**
**SPACE RACE HALF PANEL 91583**




UP TO 2'-6"
DECK HEIGHTS



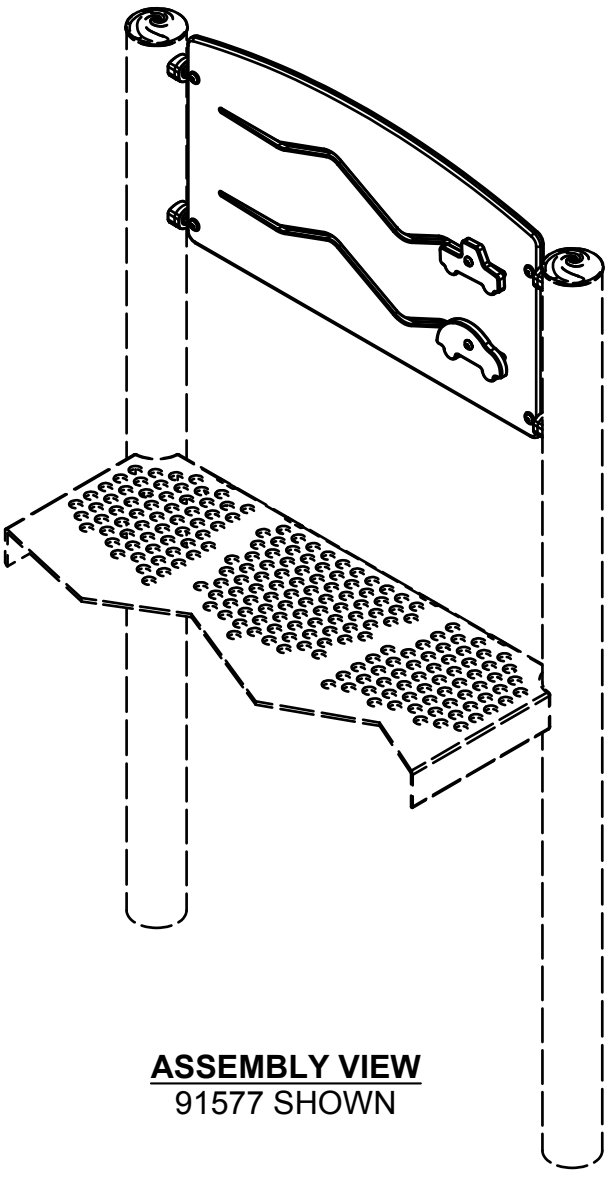

UP TO 4'-0"
DECK HEIGHTS

***INSTALLATION INSTRUCTIONS***

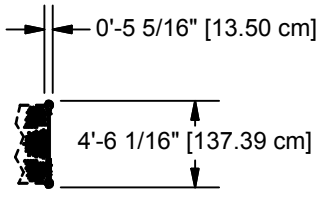
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as show in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

**3.ALL NON-PATCHED HARDWARE REQUIRES LOCTITE (SUPPLIED BY OTHERS.)**

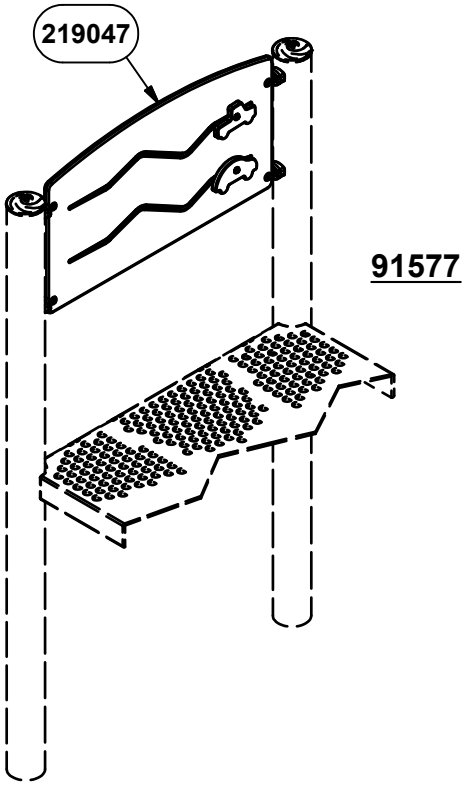
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



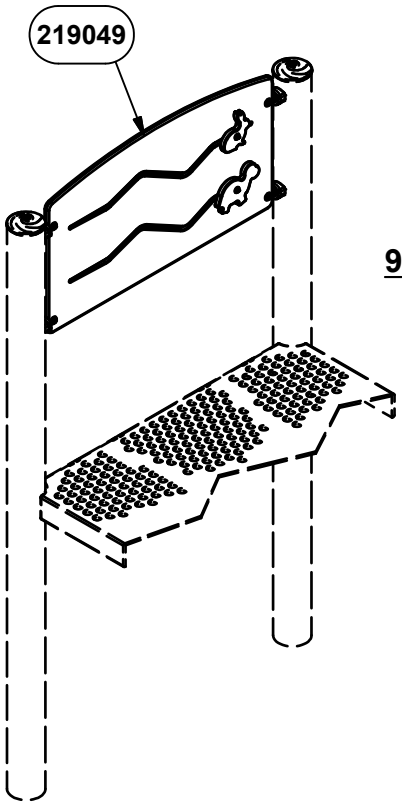
**ASSEMBLY VIEW**
91577 SHOWN



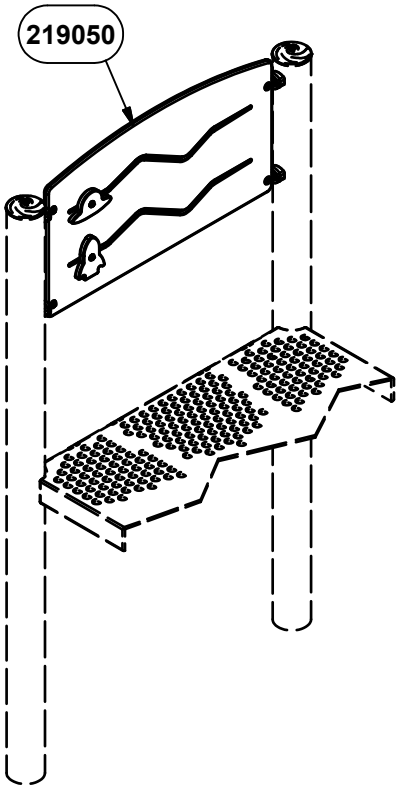

**TOP VIEW**




**91577**



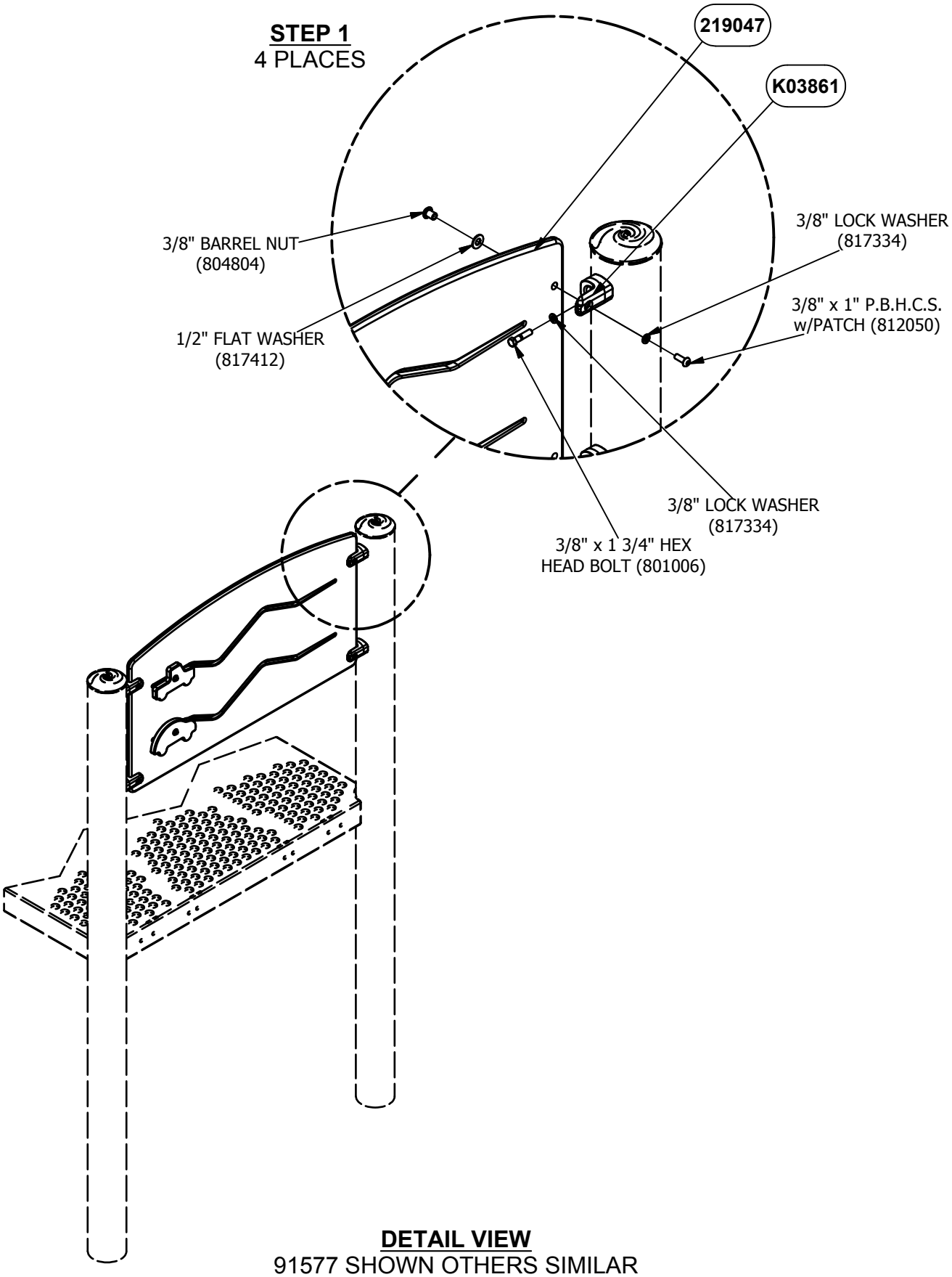

**91580**




**91583**

## ASSEMBLY VIEW

**STEP 1**
4 PLACES




**DETAIL VIEW**
91577 SHOWN OTHERS SIMILAR

**NOTE:** DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 91577 | 91580 | 91583 | PART NUMBER |
| AUTOMOTIVE RACE HALF PANEL ASSEMBLY | 1 | 0 | 0 | 219047 |
| ANIMAL RACE HALF PANEL ASSEMBLY | 0 | 1 | 0 | 219049 |
| SPACE RACE HALF PANEL ASSEMBLY | 0 | 0 | 1 | 219050 |
| TRU-LOC PANEL ATTACHMENT | 4 | 4 | 4 | K03861 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 219052 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812050* |
| 3/8" x 1 3/4" HEX HEAD BOLT | 4 | 4 | 4 | 801006* |
| 3/8" LOCK WASHER | 8 | 8 | 8 | 817334* |
| 3/8" BARREL NUT | 4 | 4 | 4 | 804804* |
| 1/2" FLAT WASHER | 4 | 4 | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/24/2020

# 91589
# 6' RAMP ATTACHMENT
# 3D

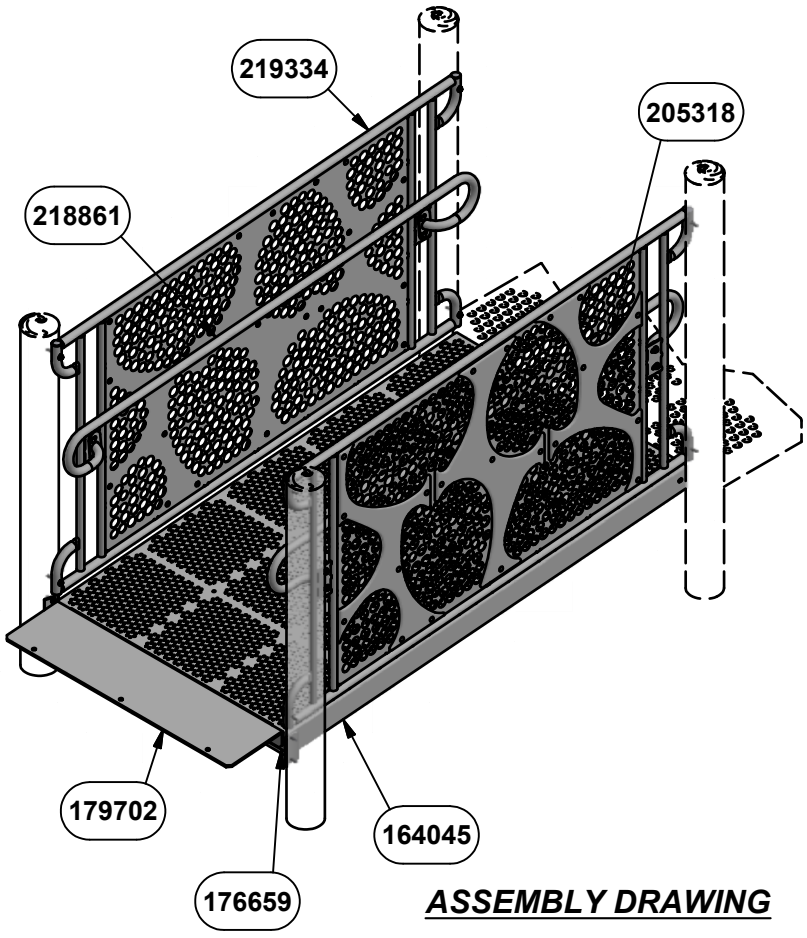
**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**




0'-6" THRU 4'-0"



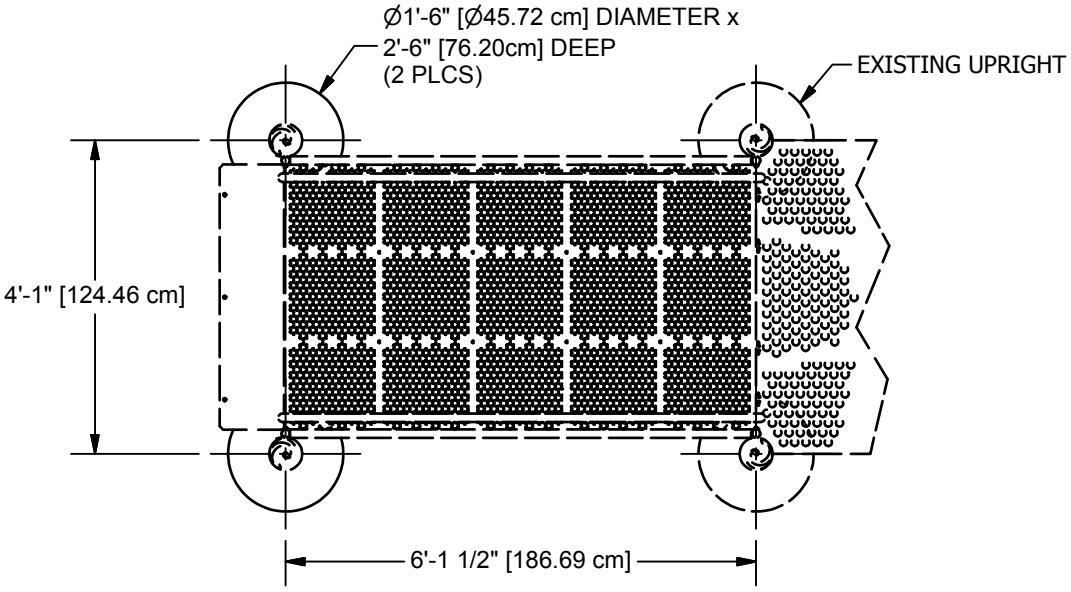

0'-6" THRU 8'-0"




***ASSEMBLY DRAWING***

## *INSTALLATION INSTRUCTIONS*

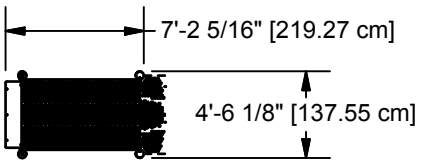
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



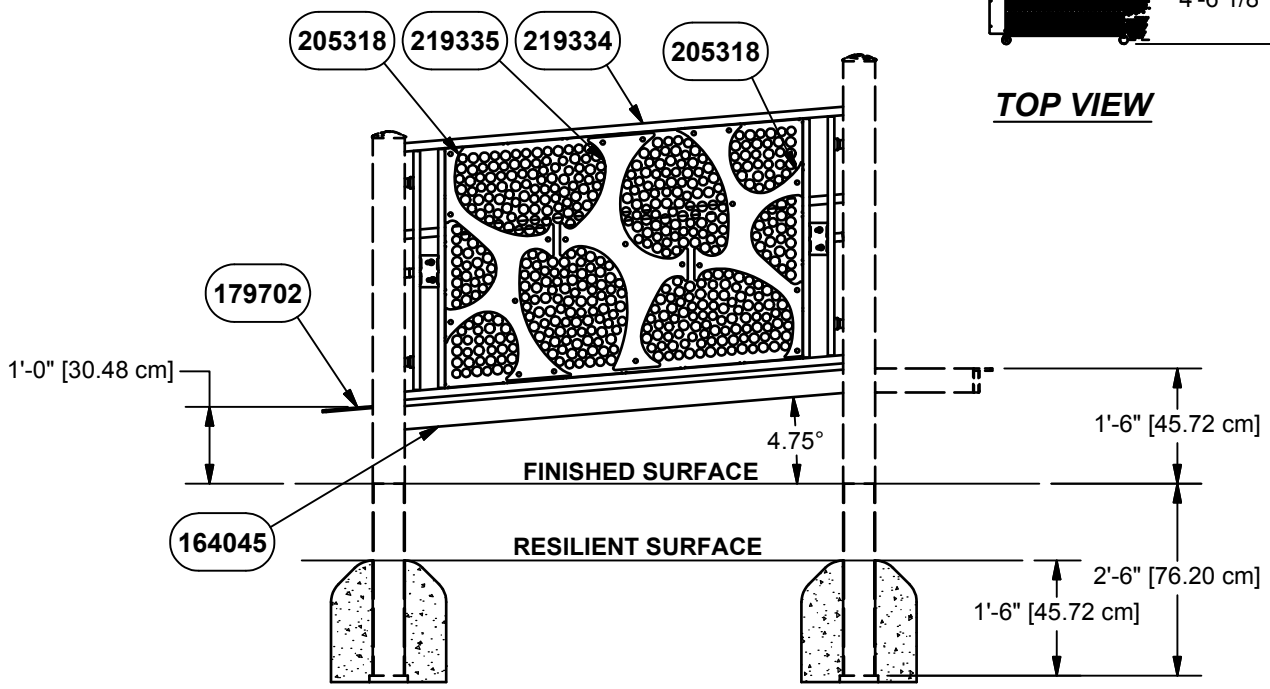

***PLAN VIEW***

**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE.ALL FOOTING DIMENSION ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED:**
.20 CUBIC YARDS
[.15 CUBIC METERS]

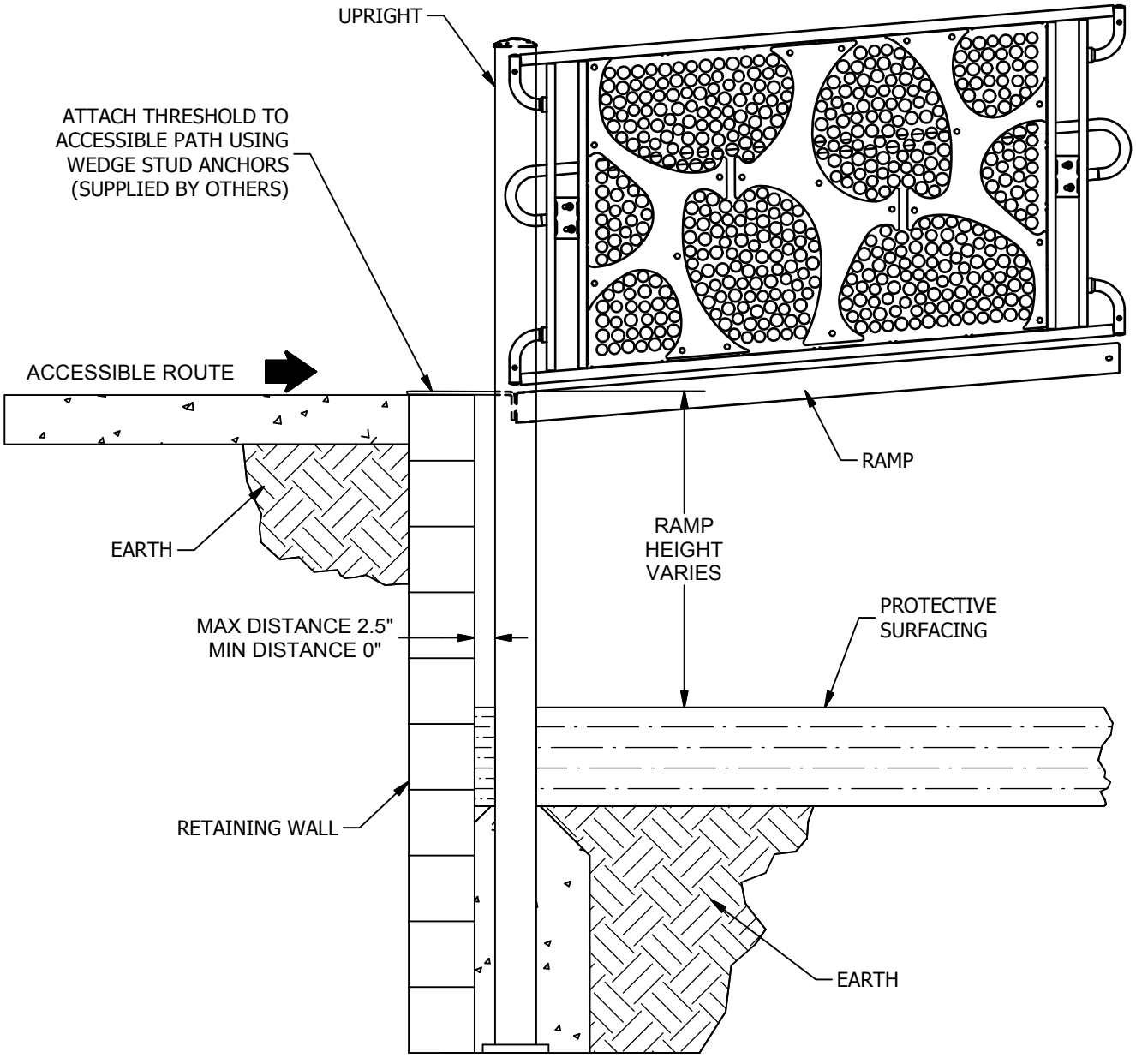



***TOP VIEW***



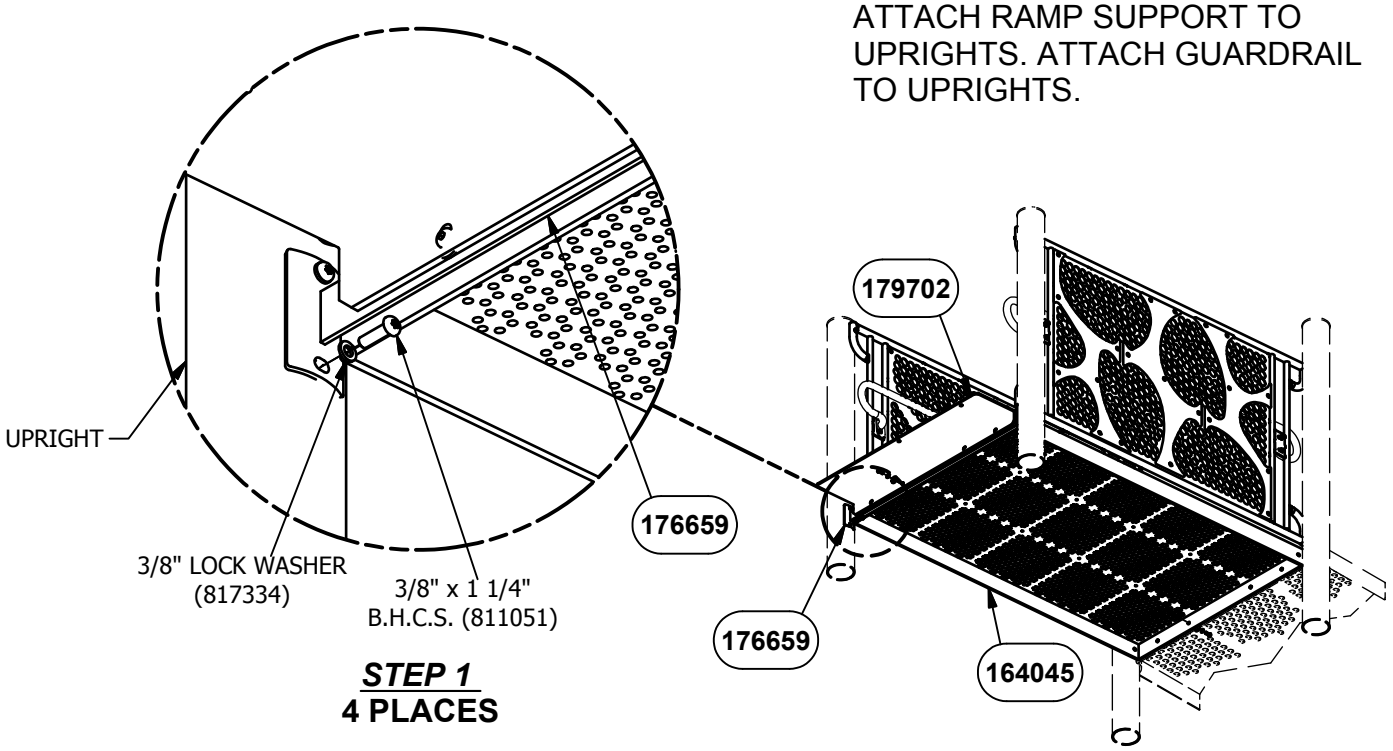

***ELEVATION VIEW***

**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**

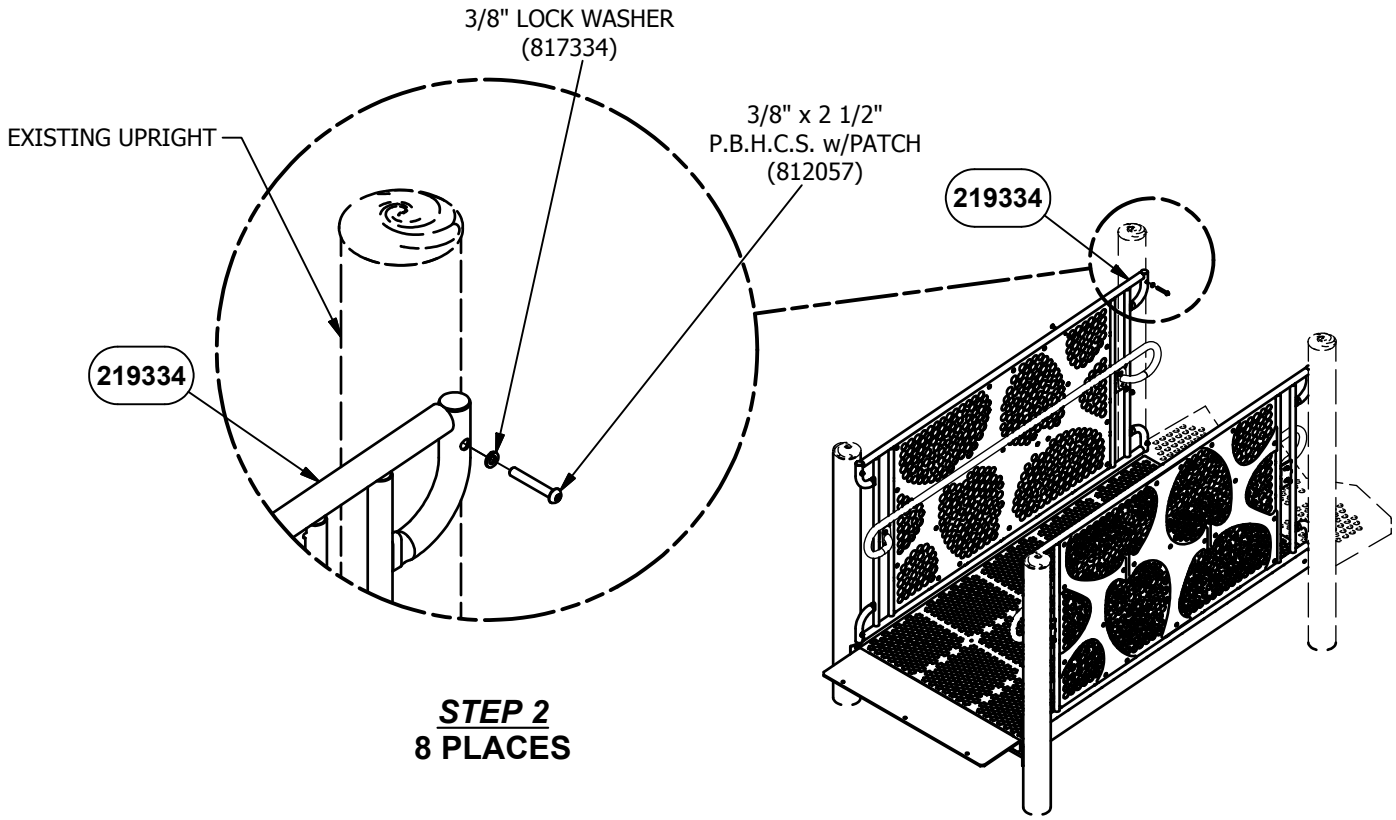



***BASIC RETAINING WALL VIEW***

ATTACH RAMP SUPPORT TO UPRIGHTS. ATTACH GUARDRAIL TO UPRIGHTS.




***STEP 1***
**4 PLACES**

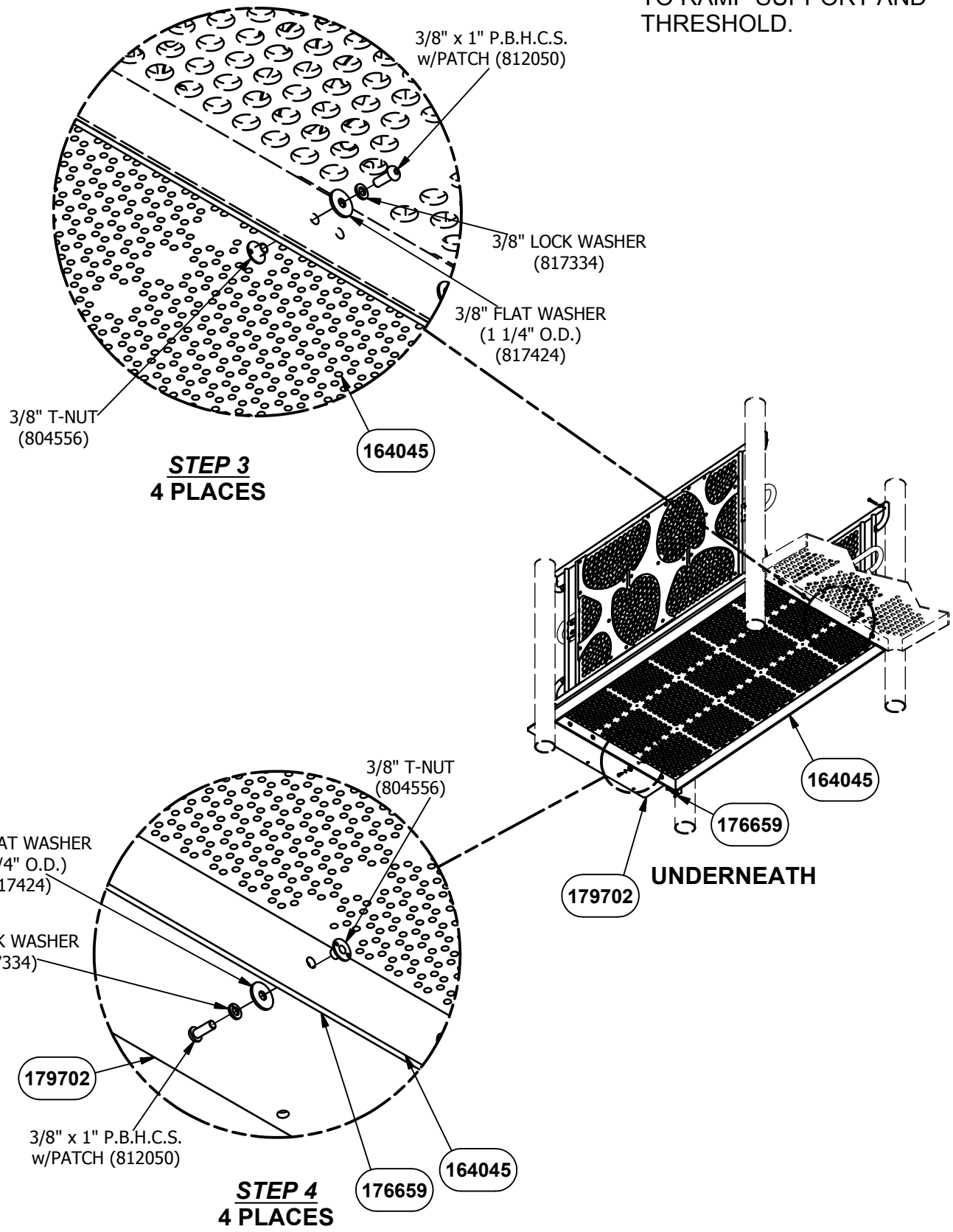



***STEP 2***
**8 PLACES**

## *DETAIL VIEW*

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

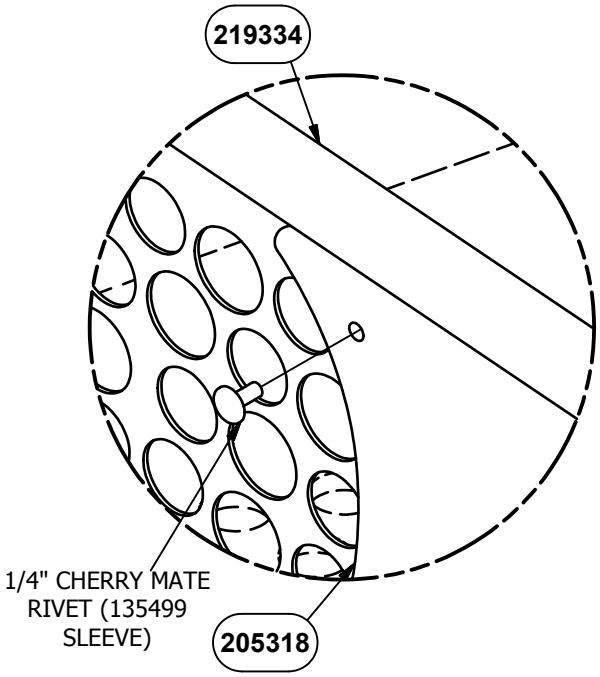
ATTACH RAMP SECTION TO EXISTING DECK. ATTACH RAMP SECTION TO RAMP SUPPORT AND THRESHOLD.



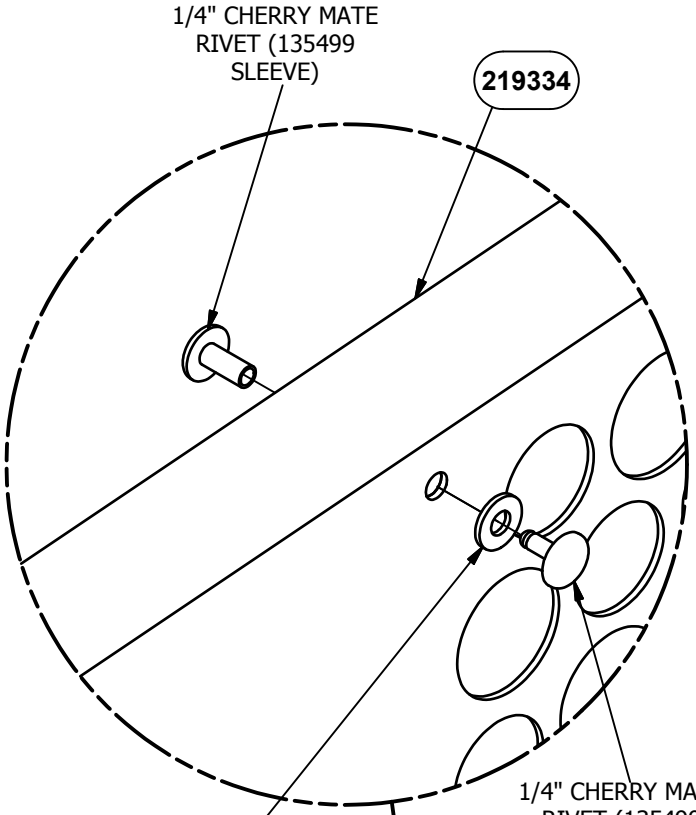

***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

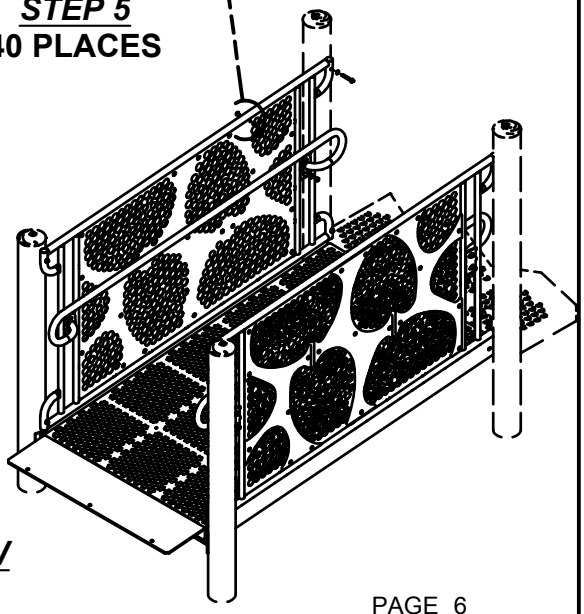
ATTACH TRIM PANELS TO GUARDRAIL.




**STEP 5**
BACK



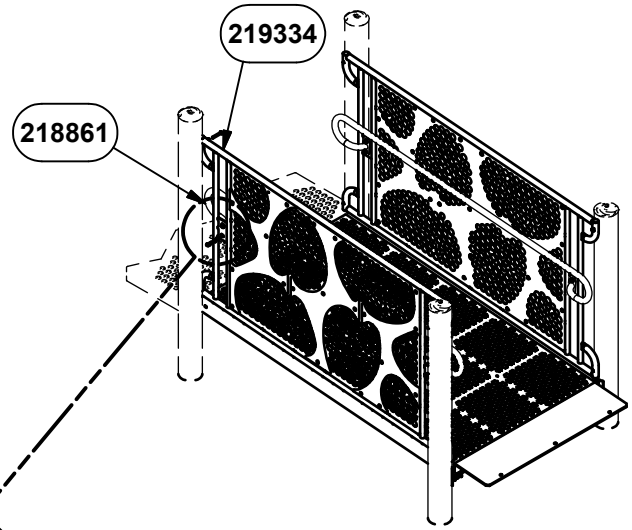

***STEP 5***
**40 PLACES**

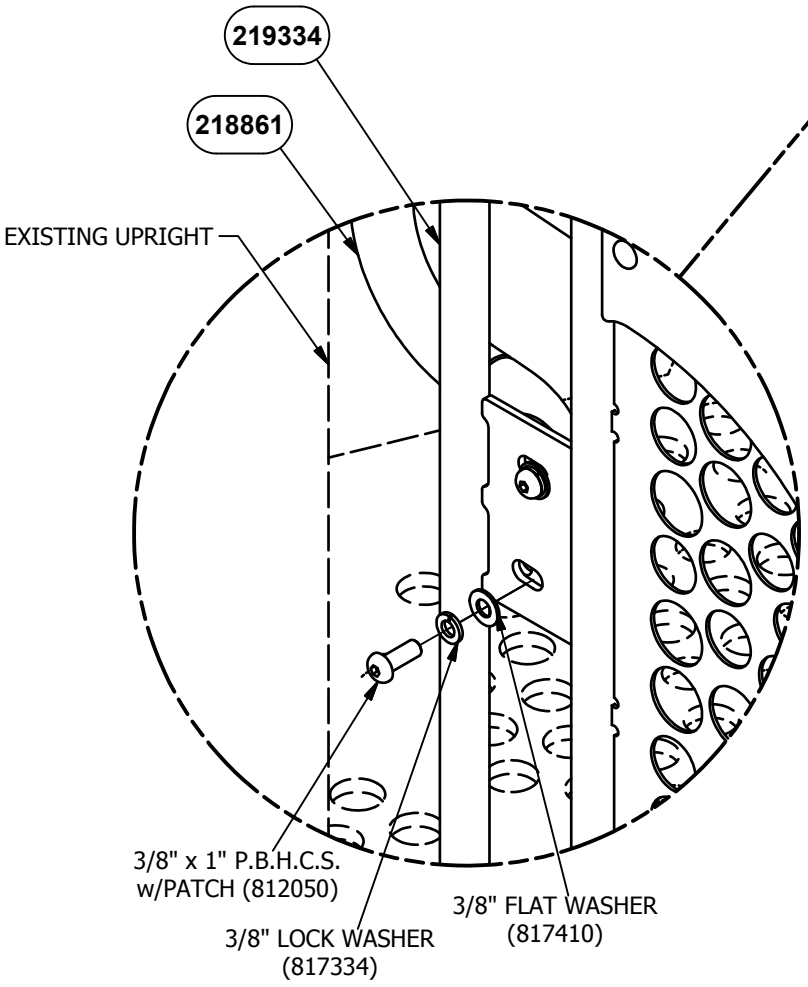


***DETAIL VIEW***

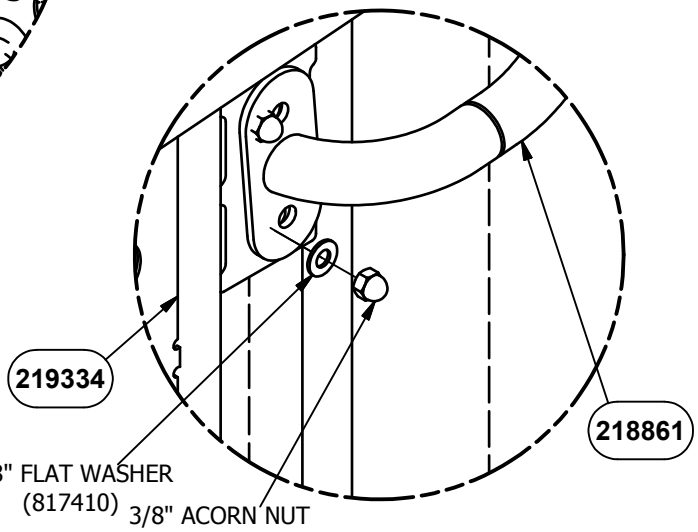
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

ATTACH GRABRAIL TO GUARDRAIL.




***STEP 6***
**8 PLACES**




***STEP 6***
**INTERIOR VIEW**

## ***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| RAMP SECTION | 1 | 164045 |
| BARRIER PANEL WELD ASSEMBLY | 2 | 219334 |
| GRAB RAIL WELD ASSEMBLY | 2 | 218861 |
| RAMP SUPPORT | 1 | 176659 |
| THRESHOLD | 1 | 179702 |
| RAMP TRIM LARGE | 2 | 219335 |
| RAMP TRIM SMALL | 4 | 205318 |
| **HARDWARE COMPLETE** | 1 | 219340 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 16 | 812050* |
| 3/8" x 1 1/4" B.H.C.S. | 4 | 811051* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 8 | 812057* |
| 3/8" LOCK WASHER | 28 | 817334* |
| 3/8" FLAT WASHER | 16 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424* |
| 3/8" ACORN NUT | 8 | 804002* |
| 3/8" T-NUT | 8 | 804556* |
| 1/4" FLAT WASHER (5/8" O.D.) | 40 | 817408* |
| 1/4" CHERRY MATE RIVET | 40 | 135499* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## *MAINTENANCE PROCEDURE:*

- Periodically check hardware for tightness, and tighten as necessary.
- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.
- Check all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/25/2020

# 91590
# 6' RAMP LINK 3D

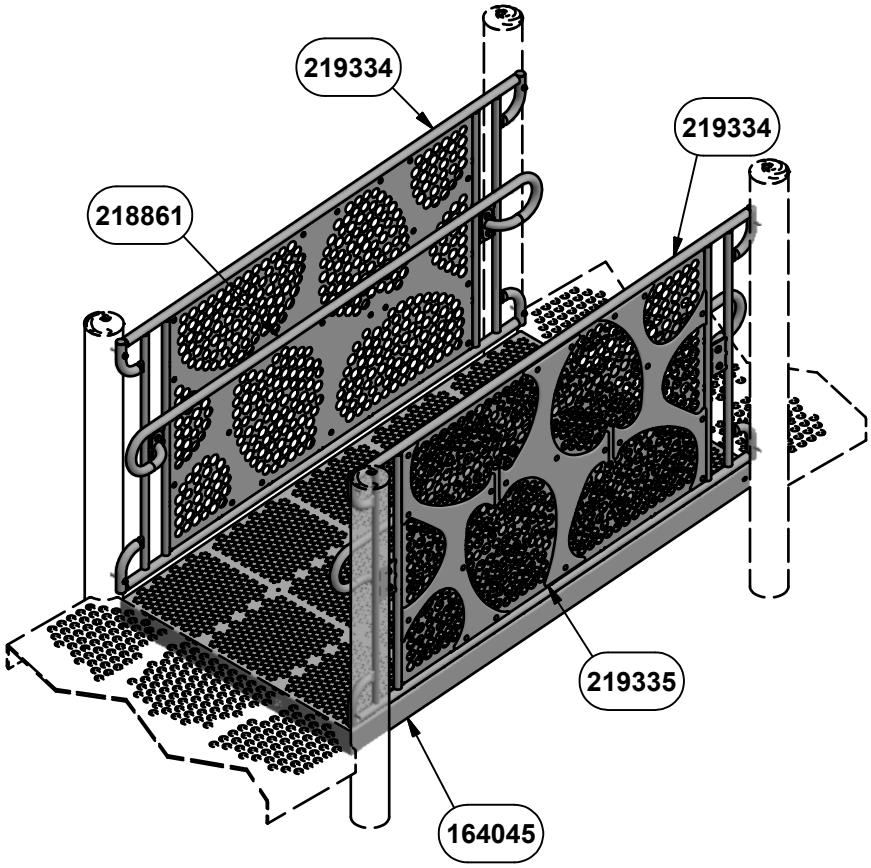



0'-6" THRU 4'-0"




0'-6" THRU 8'-0"

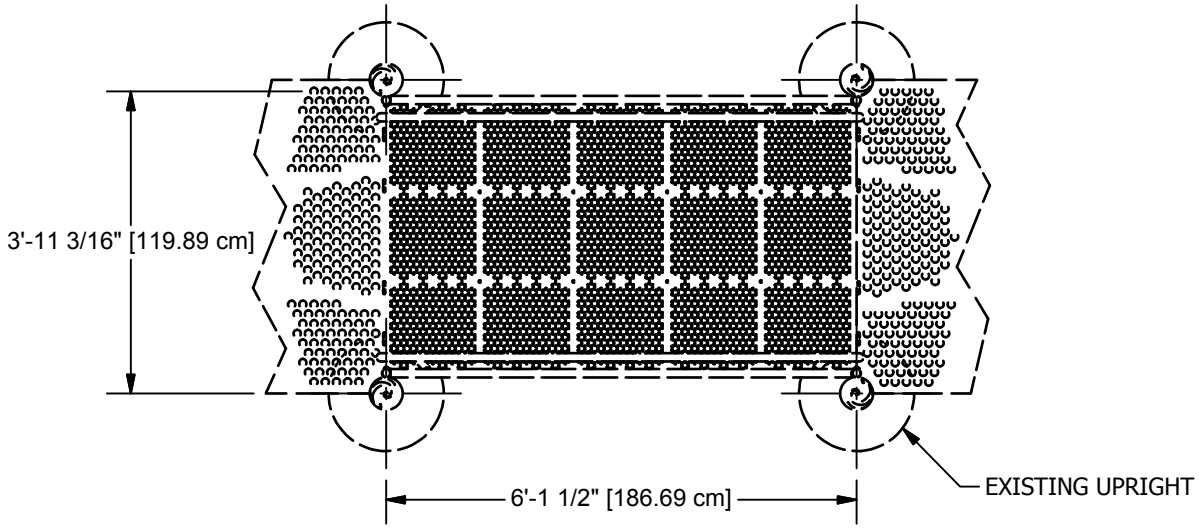
**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**




***ASSEMBLY DRAWING***

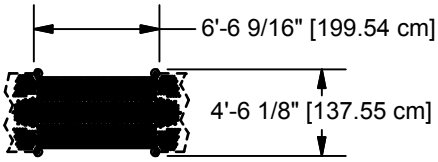
## *INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

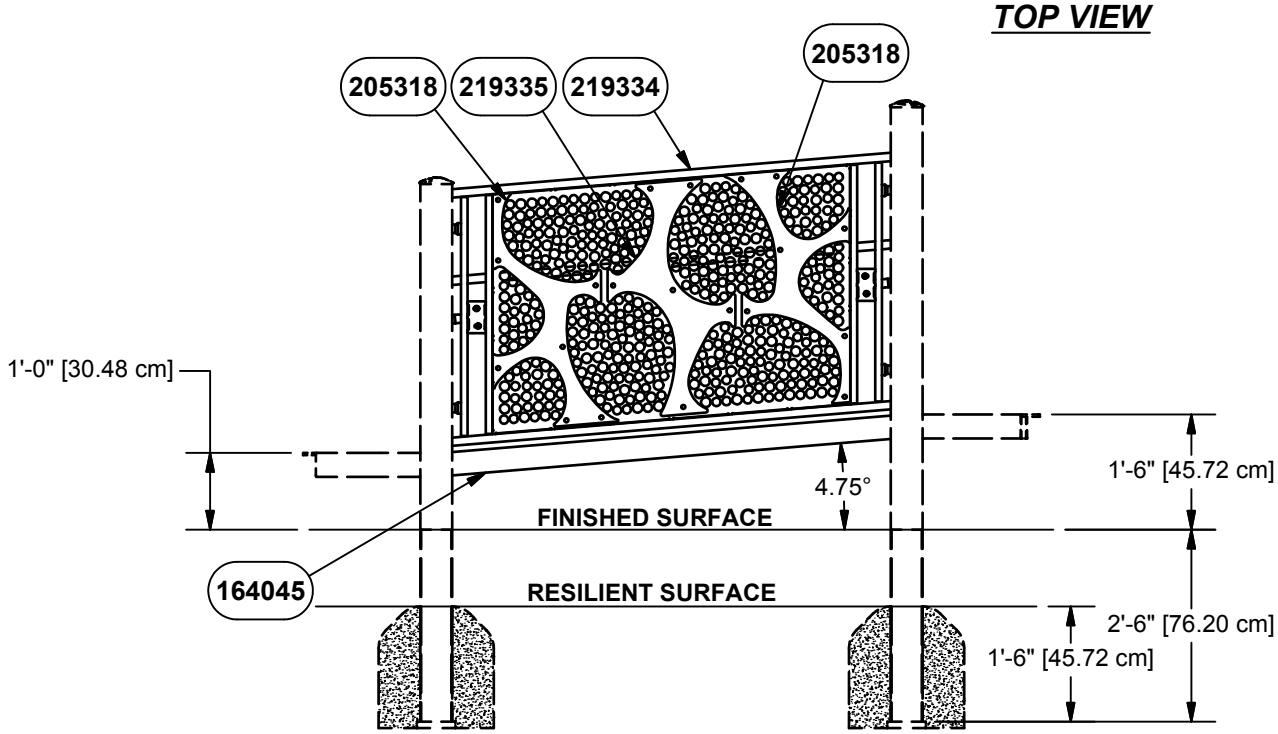



***PLAN VIEW***

**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE.ALL FOOTING DIMENSION ARE BASED ON LEVEL FINISHED SURFACE.



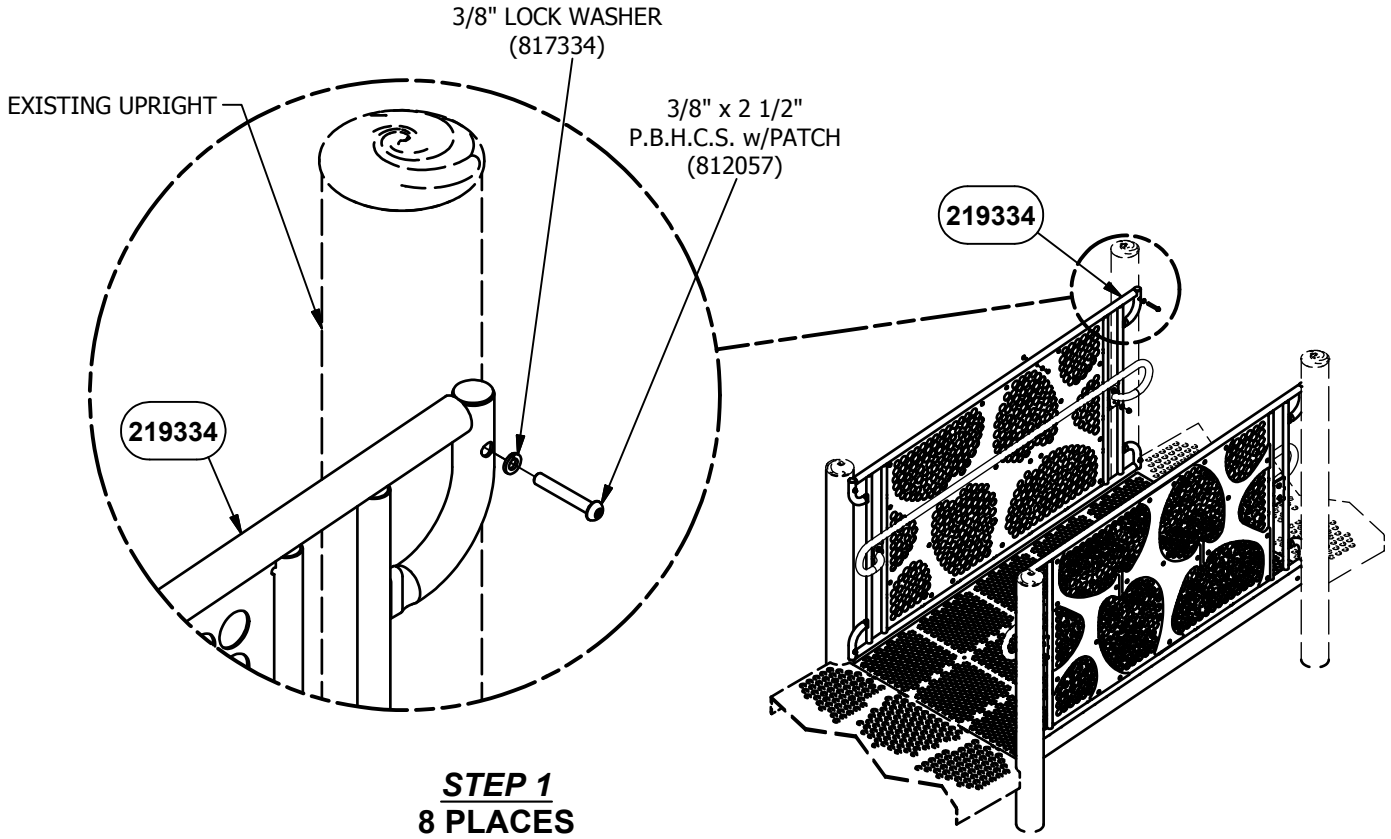

***TOP VIEW***



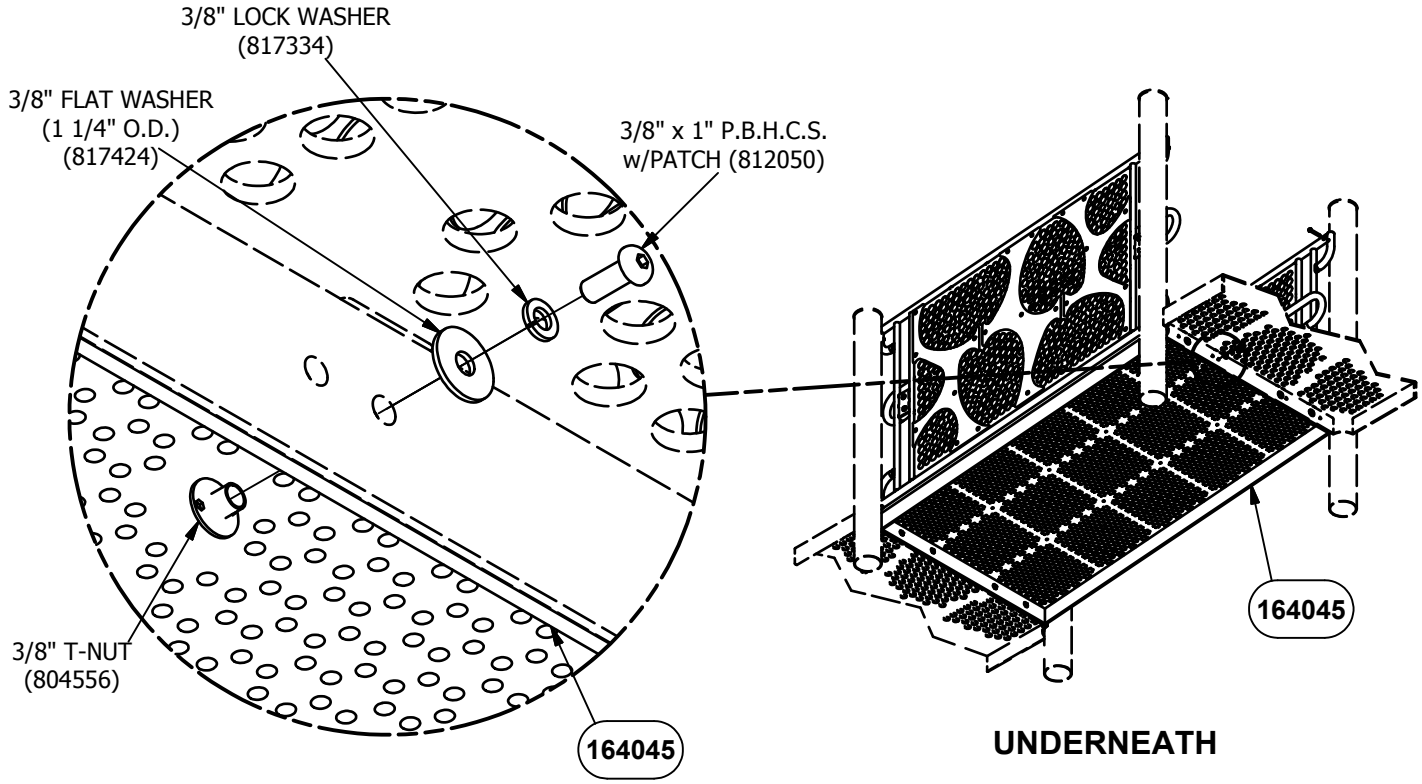

***ELEVATION VIEW***

**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.**

ATTACH GUARDRAIL TO UPRIGHTS.
ATTACH RAMP SECTION TO EXISTING DECK.




***STEP 1***
**8 PLACES**



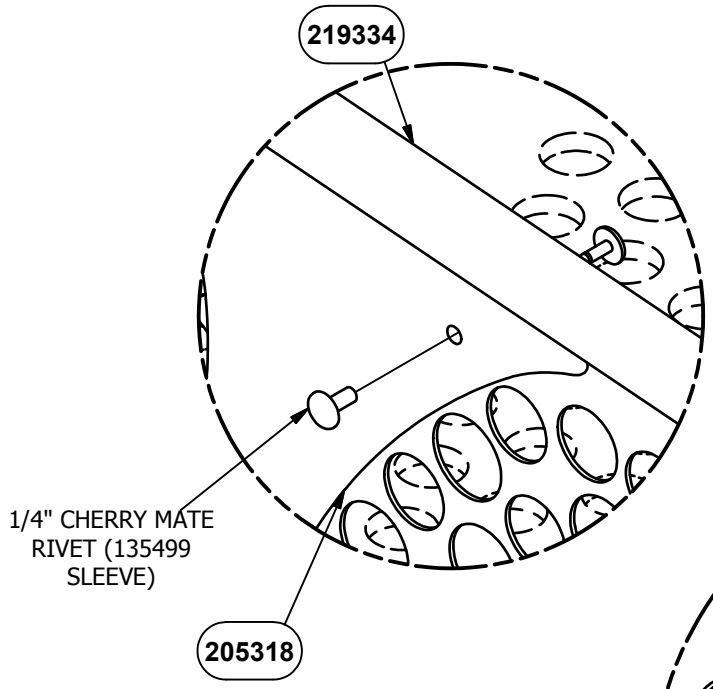

**UNDERNEATH**

**STEP 2**
8 PLACES

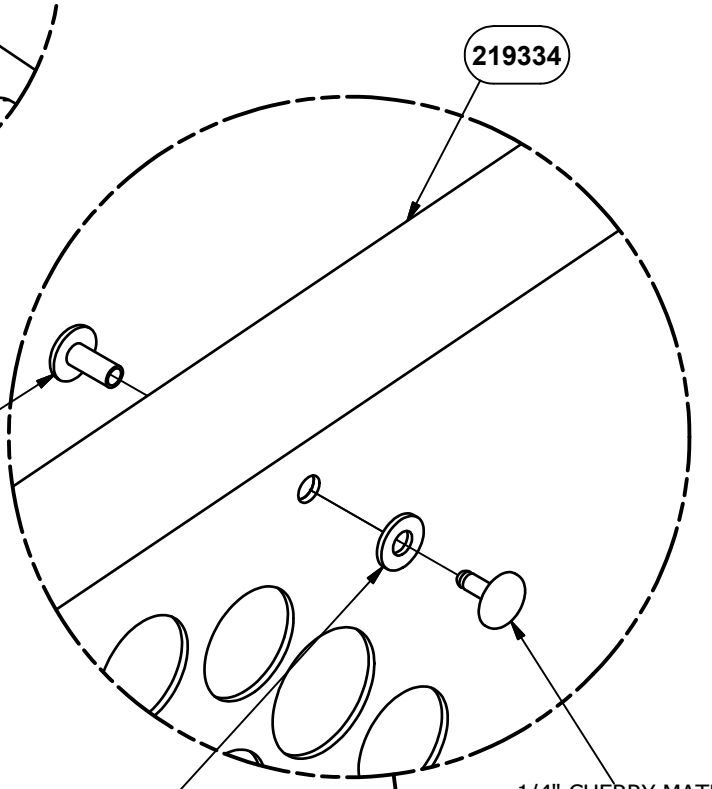
***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

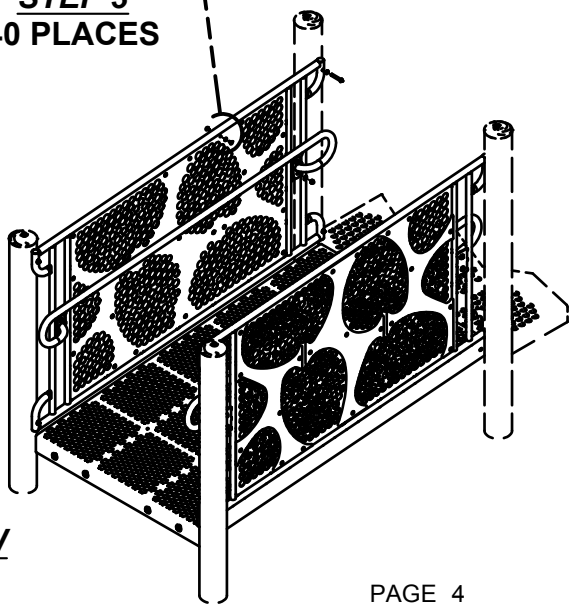
ATTACH TRIM PANELS TO GUARDRAIL.




**STEP 3**
BACK



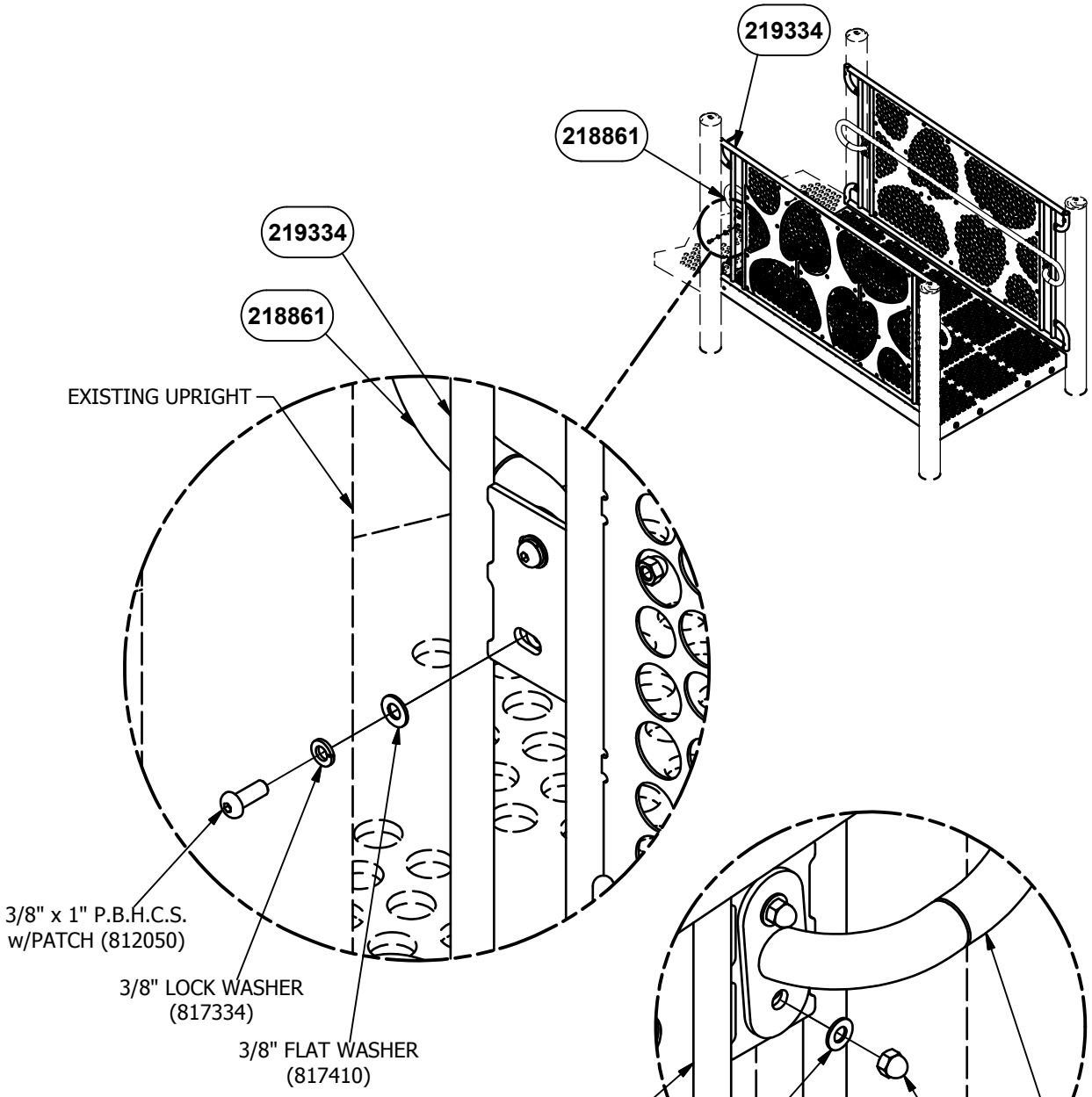

***STEP 3***
**40 PLACES**



***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

ATTACH GRABRAIL TO GUARDRAIL.




***STEP 4***
**8 PLACES**

***STEP 4***
**INTERIOR VIEW**

***DETAIL VIEW***

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| RAMP SECTION | 1 | 164045 |
| BARRIER PANEL WELD ASSEMBLY | 2 | 219334 |
| GRAB RAIL WELD ASSEMBLY | 2 | 218861 |
| RAMP TRIM LARGE | 2 | 219335 |
| RAMP TRIM SMALL | 4 | 205318 |
| **HARDWARE COMPLETE** | 1 | 219344 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 16 | 812050* |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 8 | 812057* |
| 3/8" LOCK WASHER | 24 | 817334* |
| 3/8" FLAT WASHER | 16 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424* |
| 3/8" ACORN NUT | 8 | 804002* |
| 3/8" T-NUT | 8 | 804556* |
| 1/4" FLAT WASHER (5/8" O.D.) | 40 | 817408* |
| 1/4" CHERRY MATE RIVET | 40 | 135499* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

## *MAINTENANCE PROCEDURE:*

- Periodically check hardware for tightness, and tighten as necessary.
- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.
- Check all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/2/2020

# 91599 HDPE VERTICAL LADDER

| | |
|---|---|
| 1'-6" RISE | 91599 |
| 2'-0" RISE | 91600 |
| 2'-6" RISE | 91601 |
| 3'-0" RISE | 91602 |
| 3'-6" RISE | 91603 |
| 4'-0" RISE | 91604 |
| 4'-6" RISE | 91605 |
| 5'-0" RISE | 91606 |

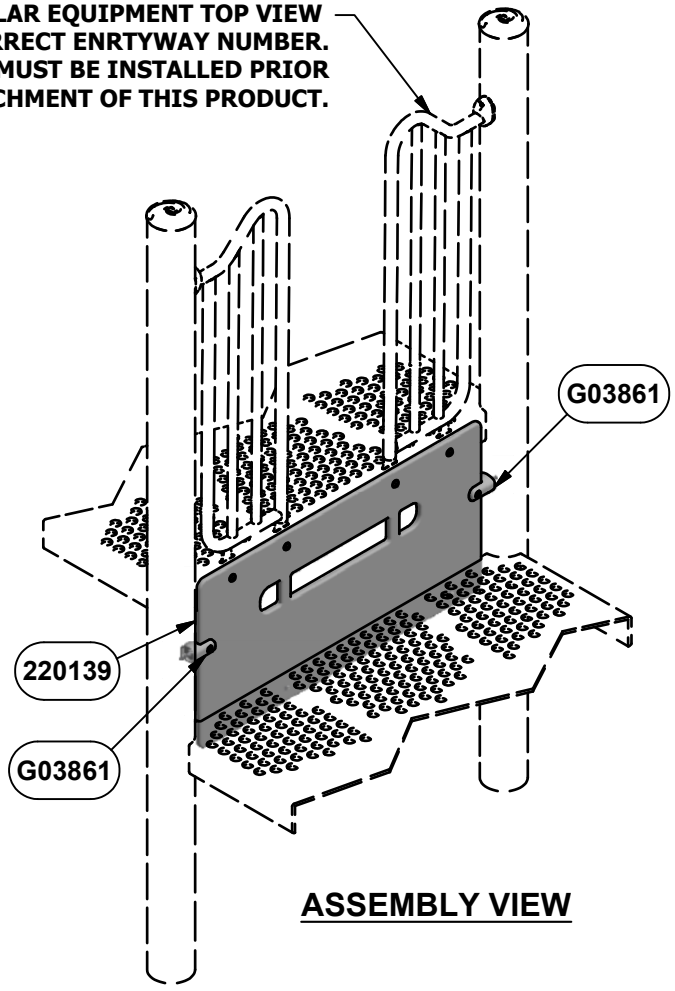



91599
91600
91601
UP TO 5'-0"
DECK HEIGHTS




91599
91600
91601
91602
91603
91604
91605
91606
ALL DECK HEIGHTS

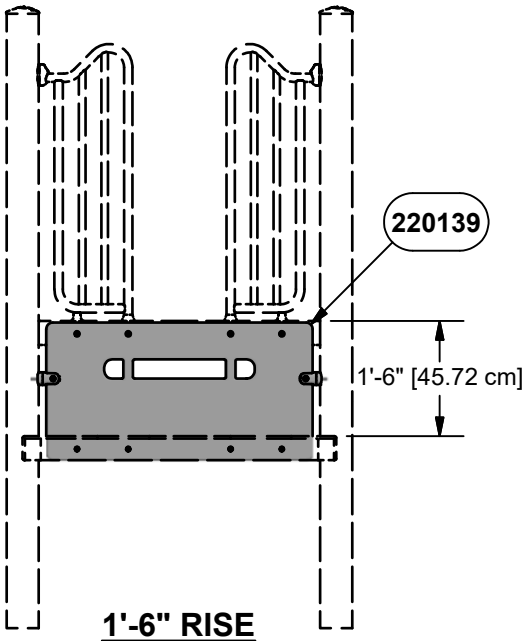
**REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENRTYWAY NUMBER. ENRTYWAY MUST BE INSTALLED PRIOR TO ATTACHMENT OF THIS PRODUCT.**



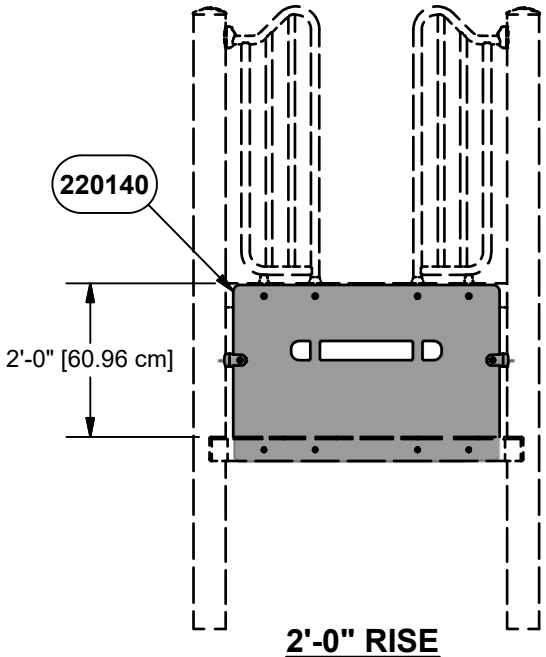

**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

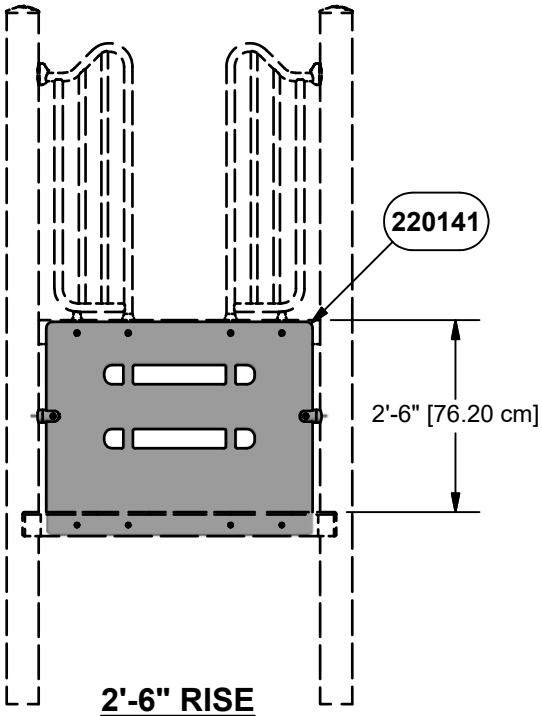
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



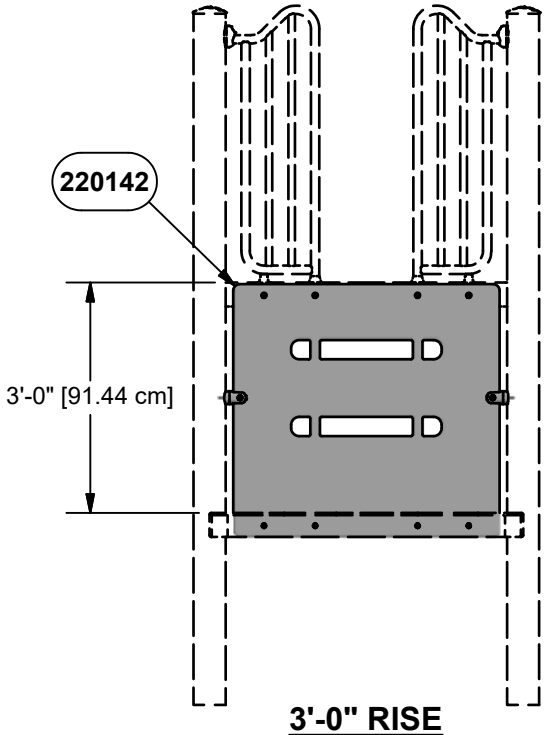

**1'-6" RISE**
**VIEW**




**2'-0" RISE**
**VIEW**

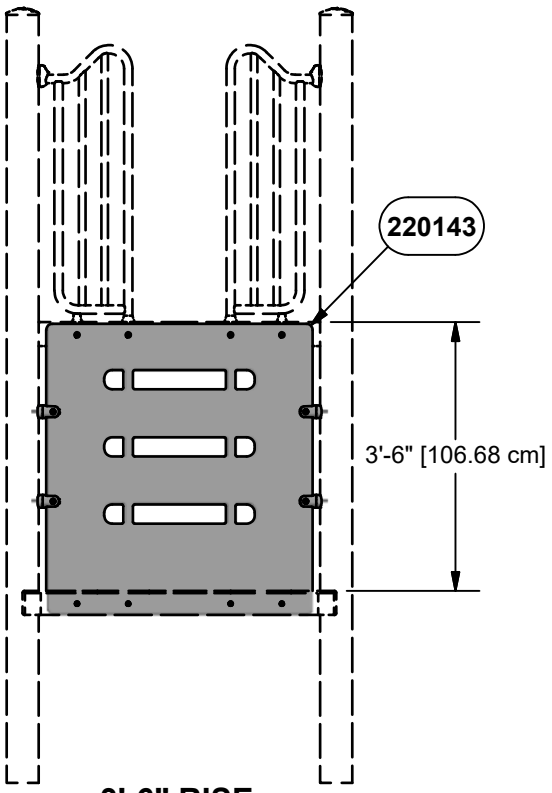



**2'-6" RISE**
**VIEW**

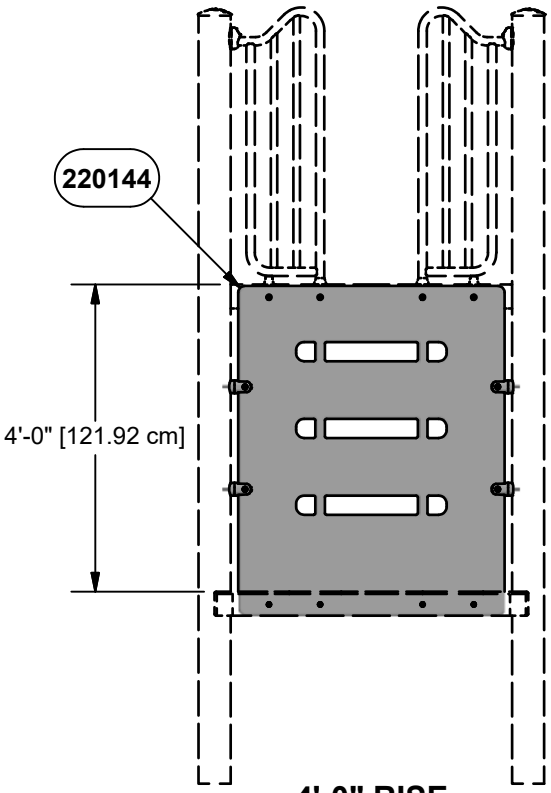



**3'-0" RISE**
**VIEW**

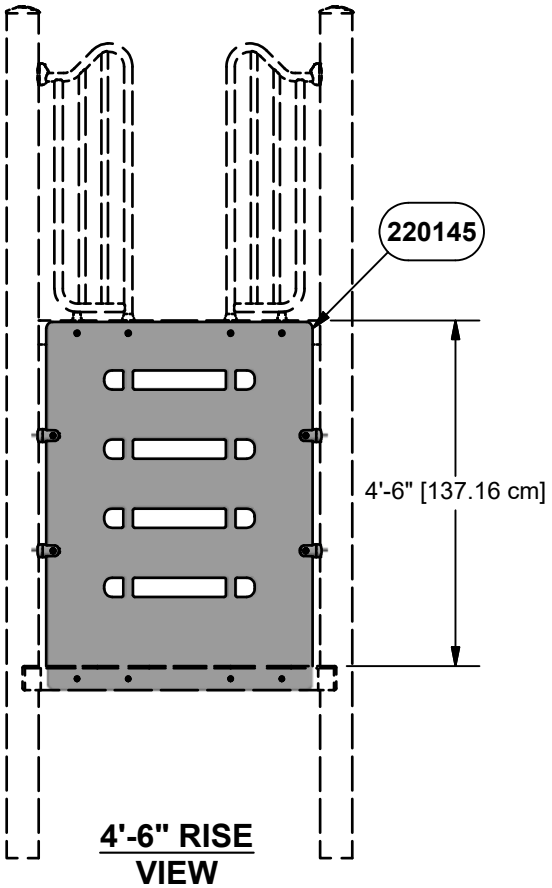
## DECK HEIGHT ELEVATIONS



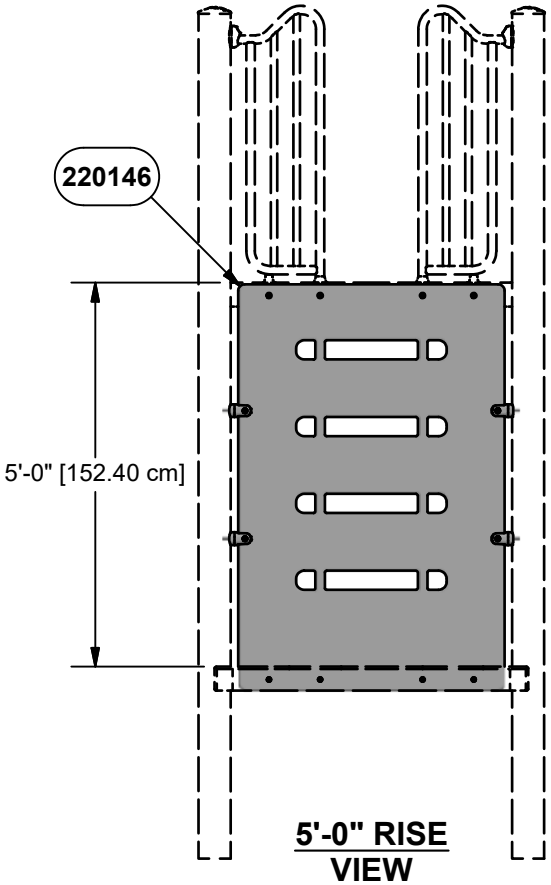

**3'-6" RISE**
**VIEW**




**4'-0" RISE**
**VIEW**

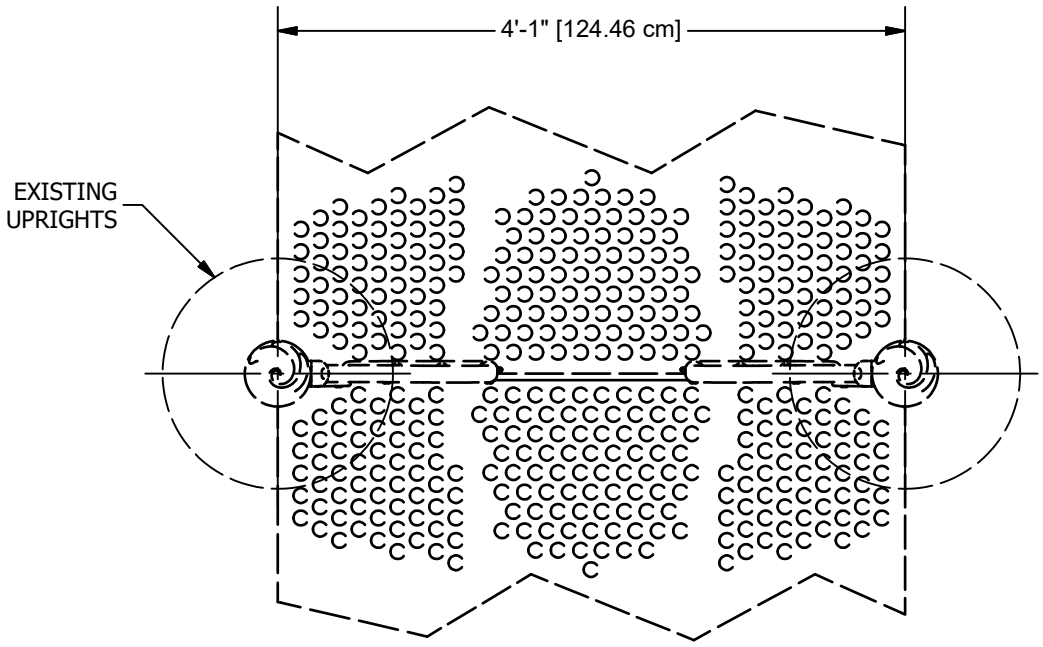



**4'-6" RISE**
**VIEW**

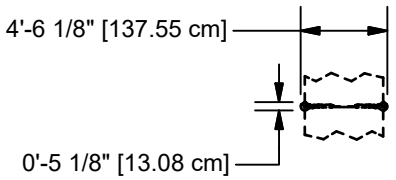



**5'-0" RISE**
**VIEW**

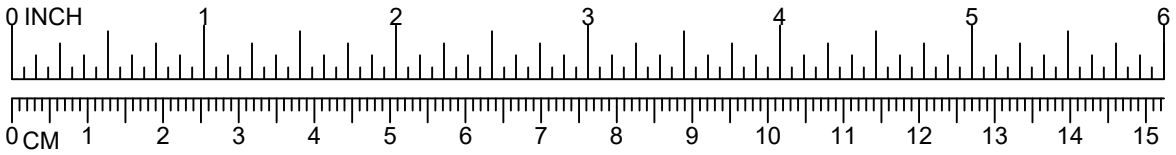
## DECK HEIGHT ELEVATIONS

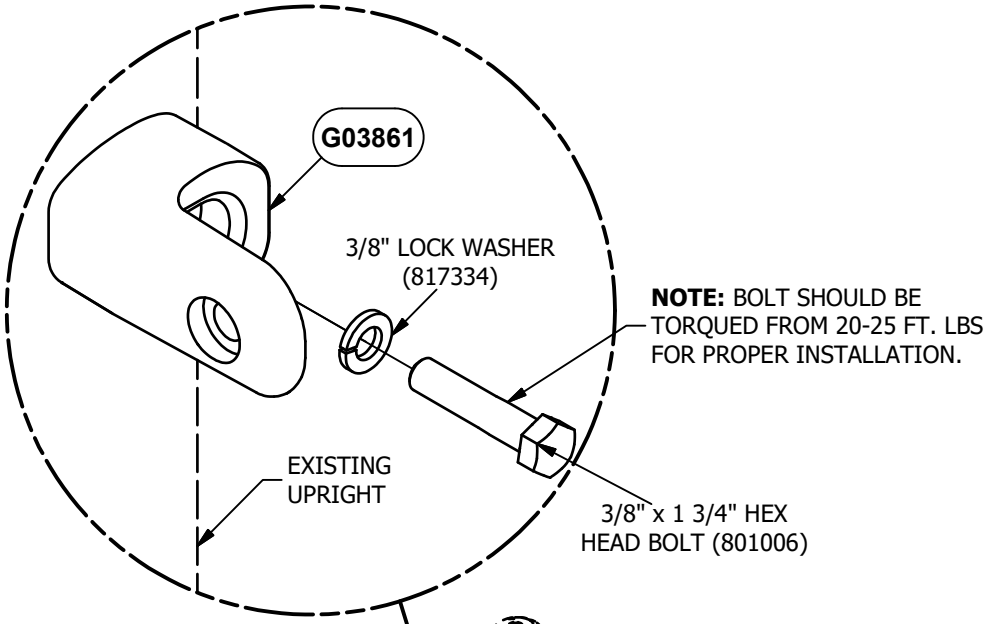



**PLAN VIEW**

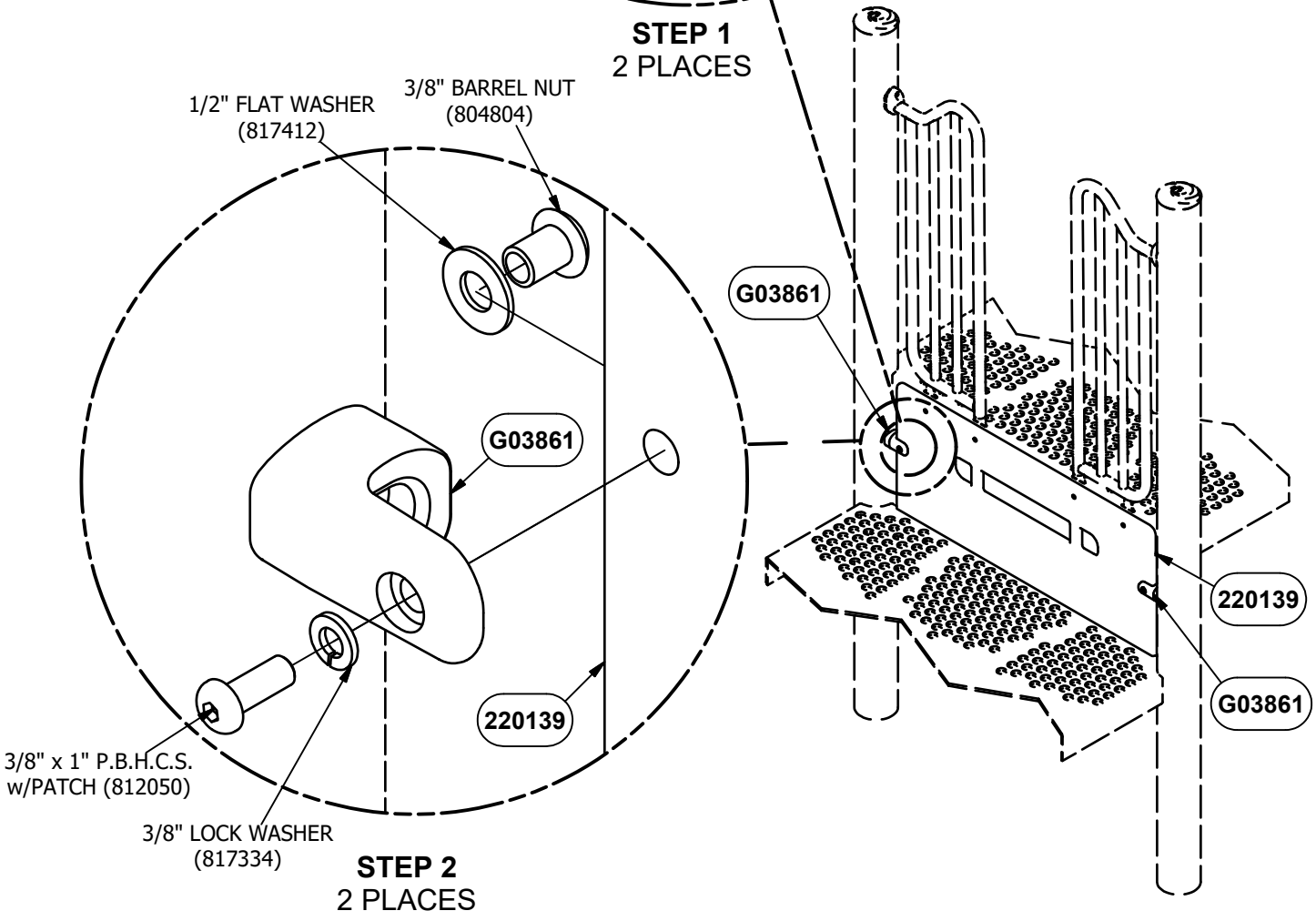



**TOP VIEW**



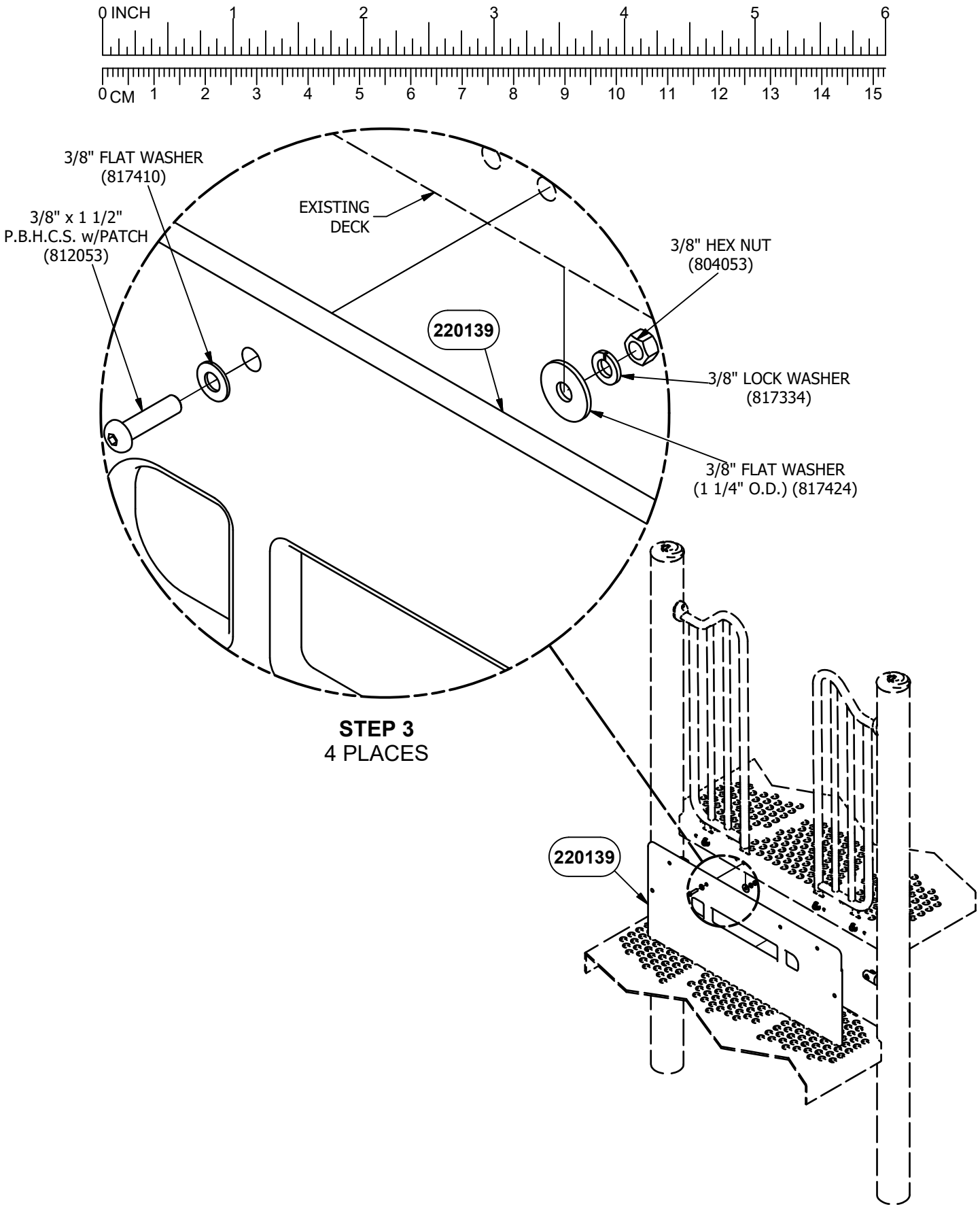

**STEP 1**
2 PLACES




**STEP 2**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

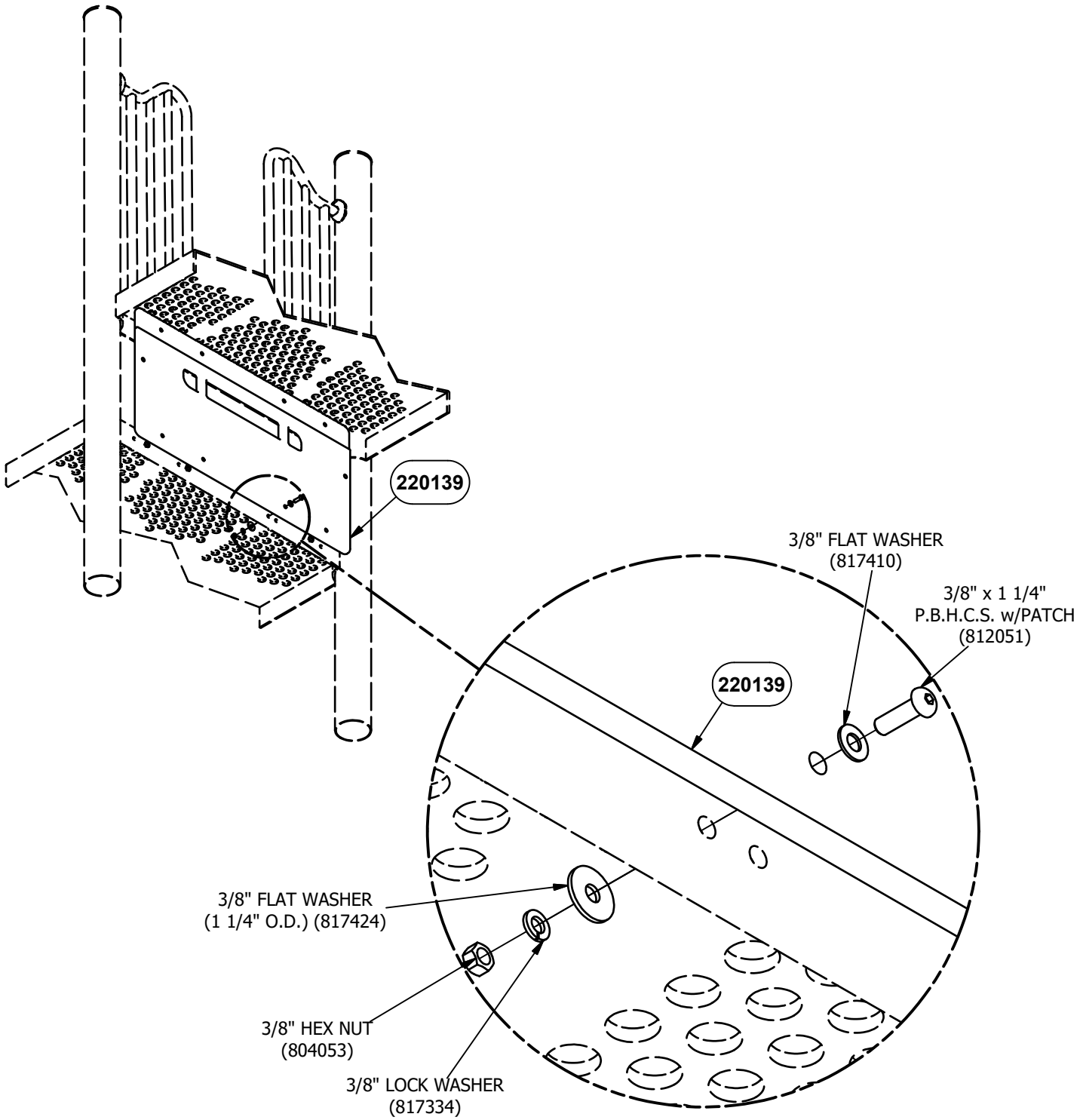
## DETAIL VIEW




**STEP 3**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW




**STEP 4**
4 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 91599 | 91600 | 91601 | 91602 | 91603 | 91604 | 91605 | 91606 | PART NUMBER |
| HDPE LADDER PANEL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 220139 |
| HDPE LADDER PANEL | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 220140 |
| HDPE LADDER PANEL | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 220141 |
| HDPE LADDER PANEL | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 220142 |
| HDPE LADDER PANEL | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 220143 |
| HDPE LADDER PANEL | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 220144 |
| HDPE LADDER PANEL | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 220145 |
| HDPE LADDER PANEL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 220146 |
| TRU-LOC PANEL ATTACHMENT | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | G03861 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 220163 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 220164 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 812050* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 812051* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 812053* |
| 3/8" x 1 3/4" HEX HEAD BOLT | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 801006* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 817424* |
| 3/8" FLAT WASHER | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 817410* |
| 3/8" LOCK WASHER | 12 | 12 | 12 | 12 | 16 | 16 | 16 | 16 | 817334* |
| 3/8" BARREL NUT | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 804804* |
| 3/8" HEX NUT | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 804053* |
| 1/2" FLAT WASHER | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 817412* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

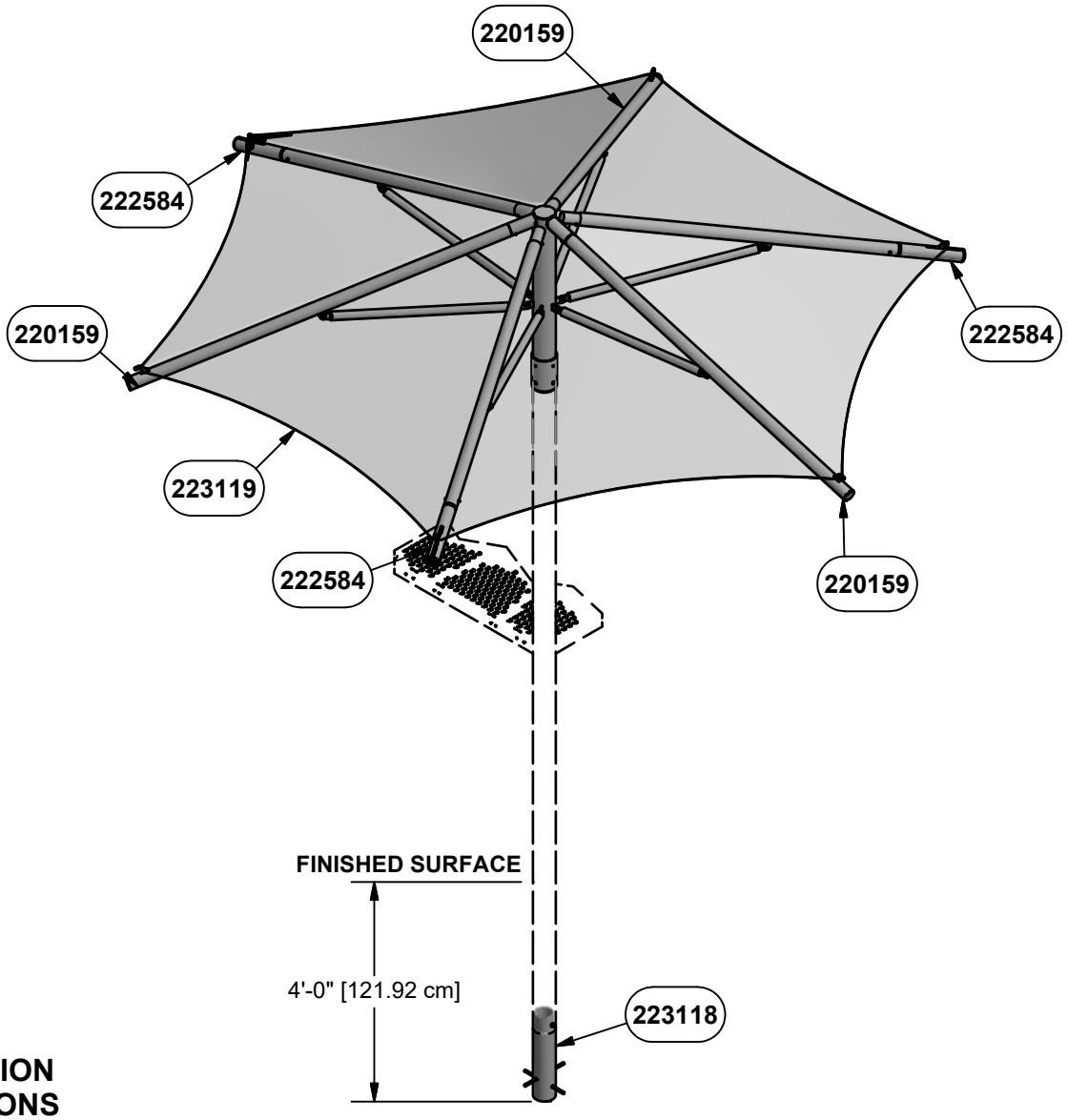
1-800-235-2440

ISSUED/REVISED: 6/14/2023

SUNBLOX
SHADE BY GAMETIME

# 91608
# 15' HEX UMBRELLA CANOPY

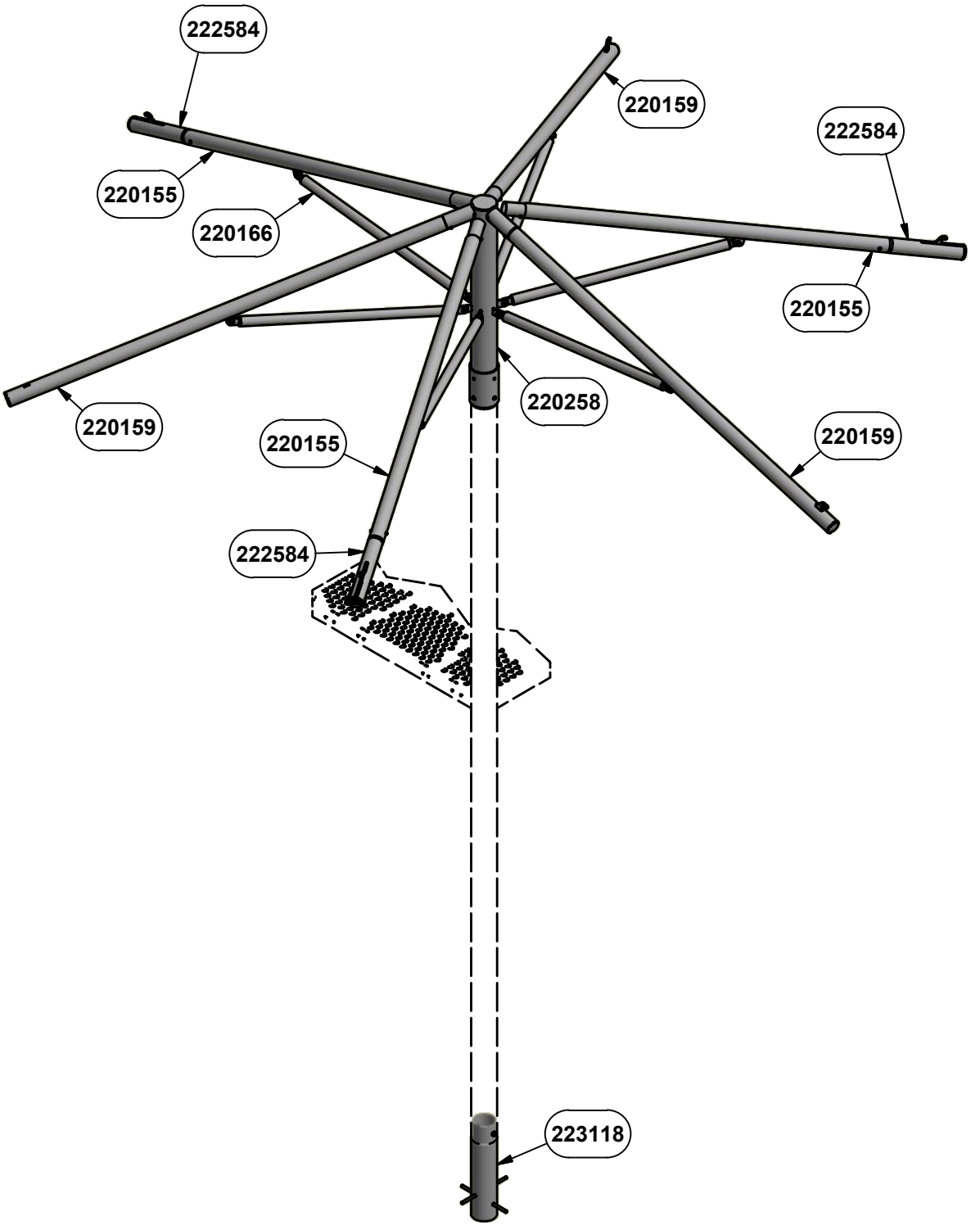
**1' THRU 6' DECK 91608**
**7' THRU 8' DECK 91609**



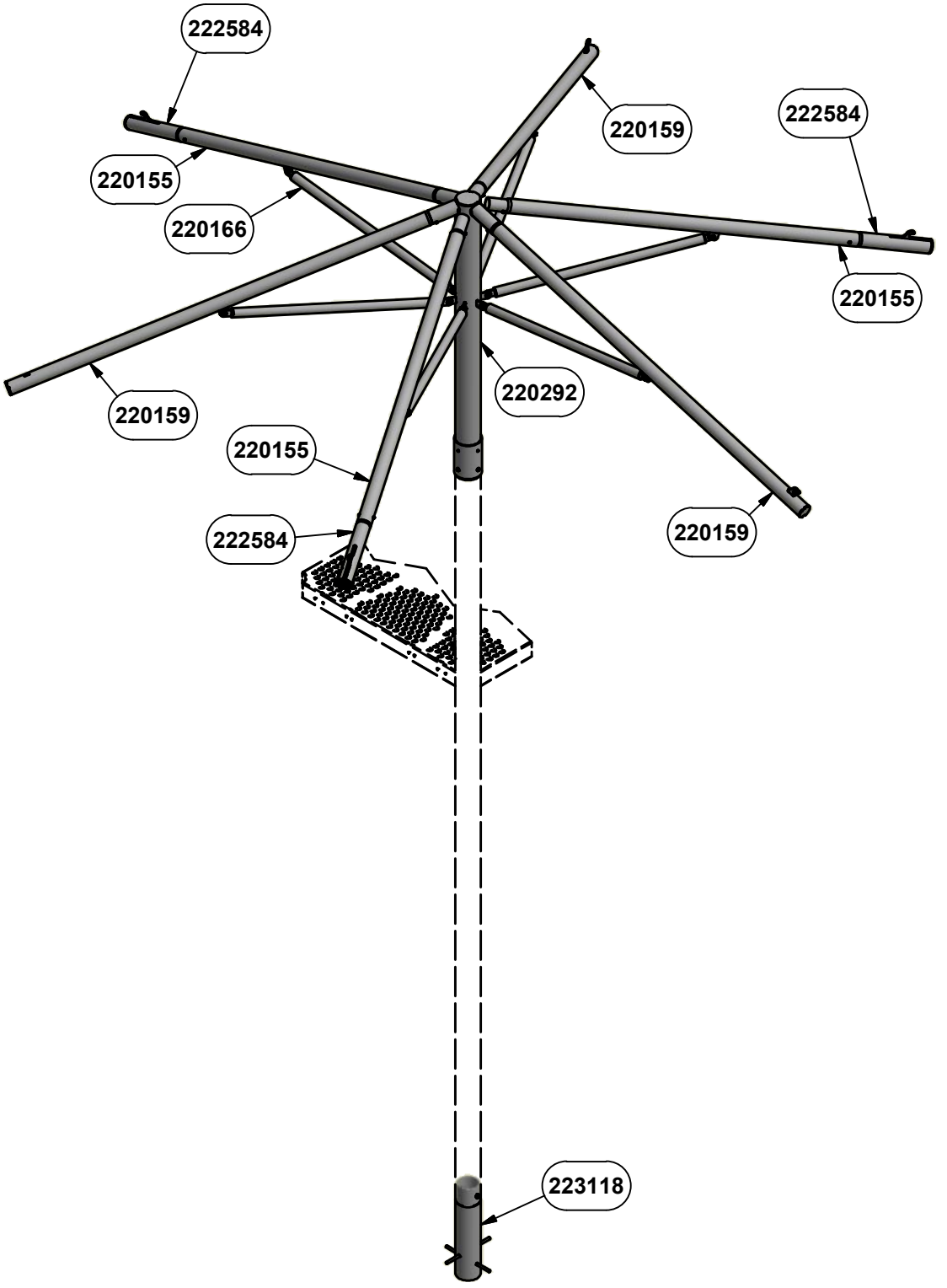

**ASSEMBLY VIEW**
**91608 SHOWN**
**91609 SIMILAR**

## INSTALLATION INSTRUCTIONS

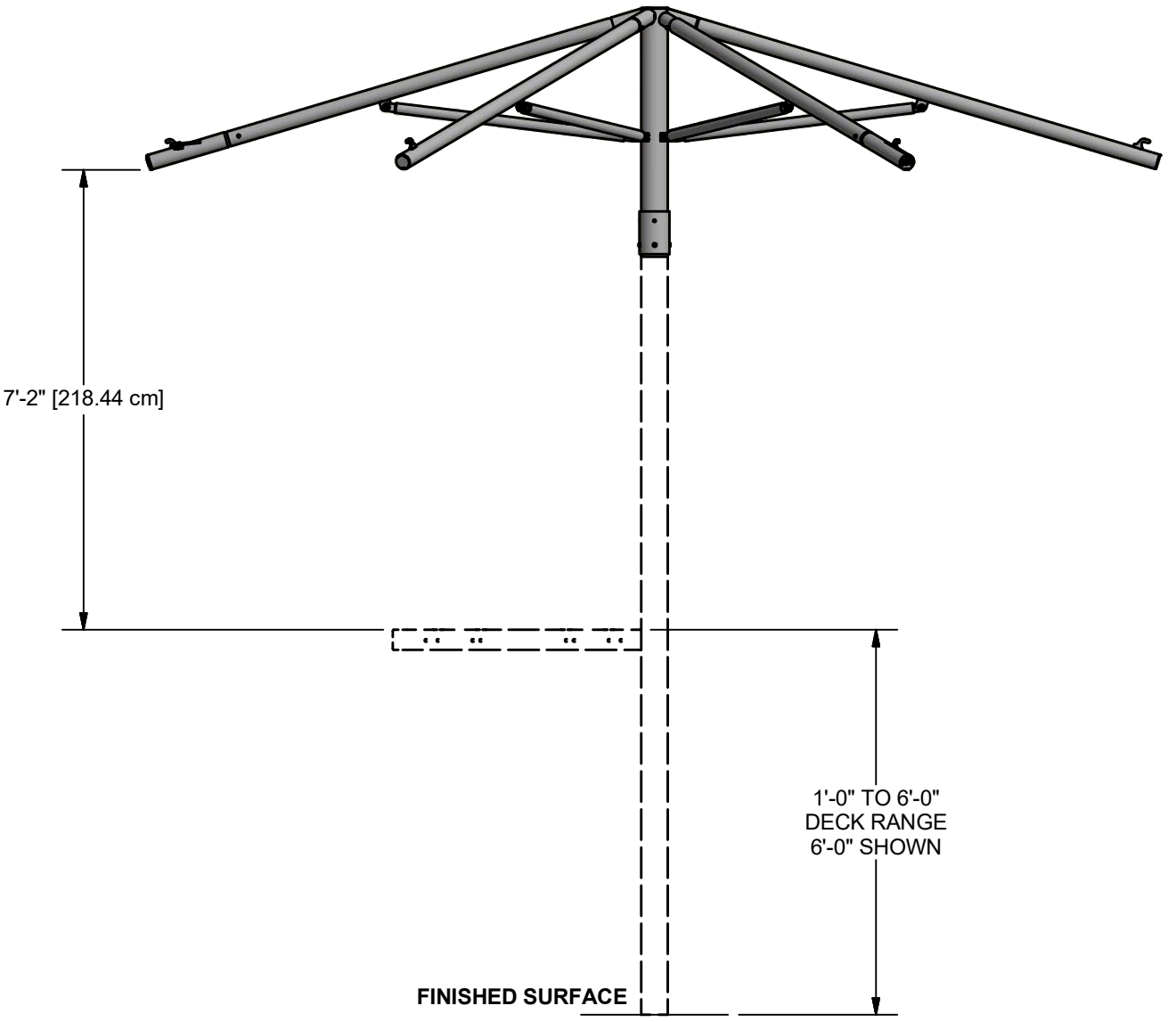
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**




**FRAME ASSEMBLY VIEW**
91608

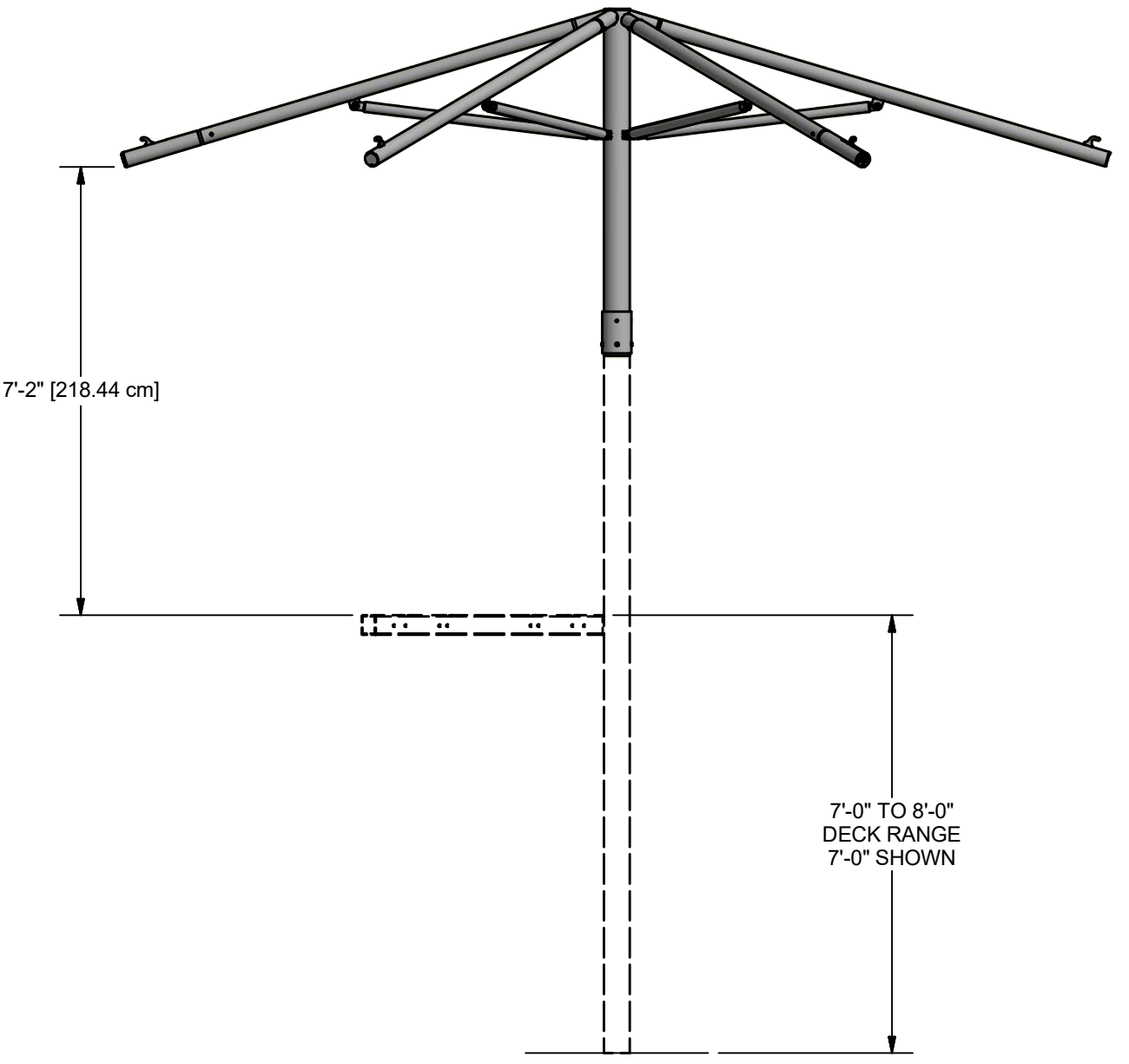



**FRAME ASSEMBLY VIEW**
91609



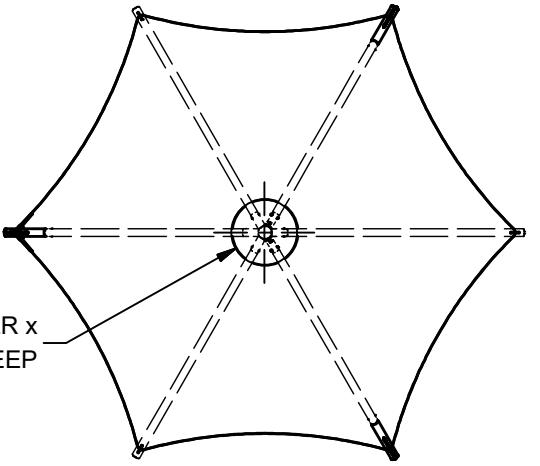

**FRAME ELEVATION VIEW**

91608




**FRAME ELEVATION VIEW**

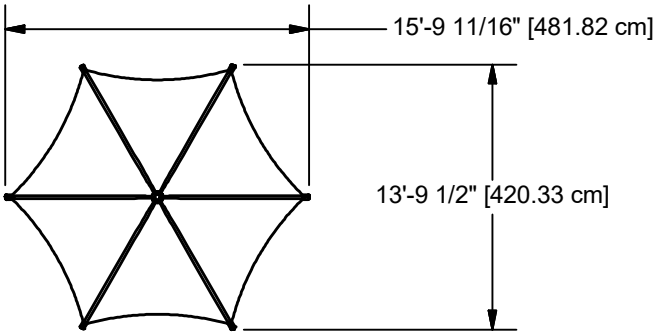
91609



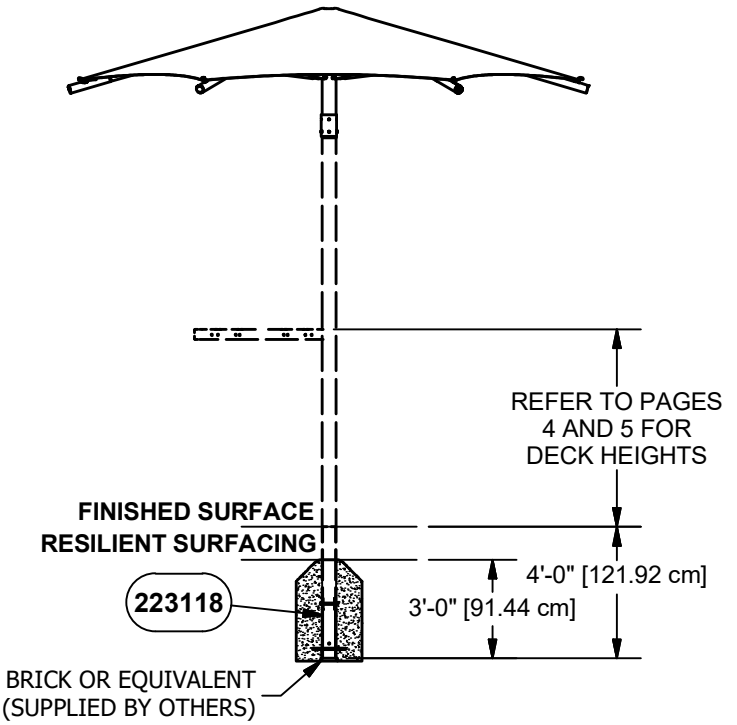

**PLAN VIEW**
91608 SHOWN
91609 SIMILAR

**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

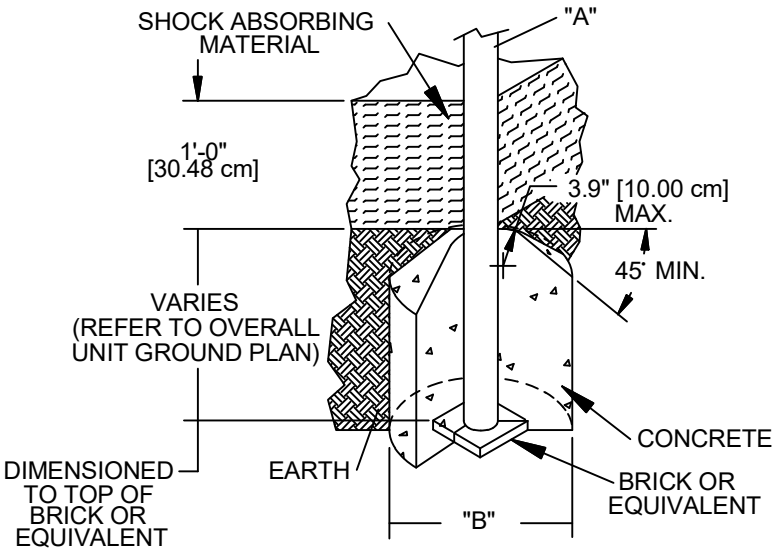
**CONCRETE REQUIRED:**
.35 CUBIC YARDS
[.27 CUBIC METERS]




**TOP VIEW**
91608 SHOWN
91609 SIMILAR




**ELEVATION VIEW**
91608 SHOWN
91609 SIMILAR

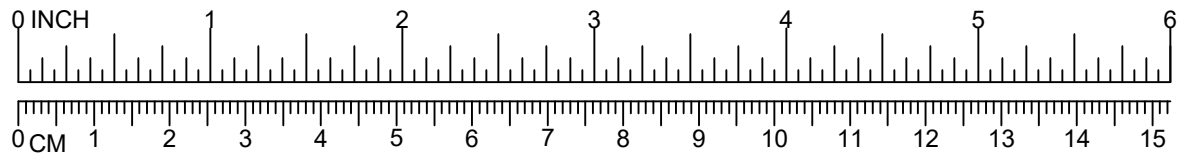


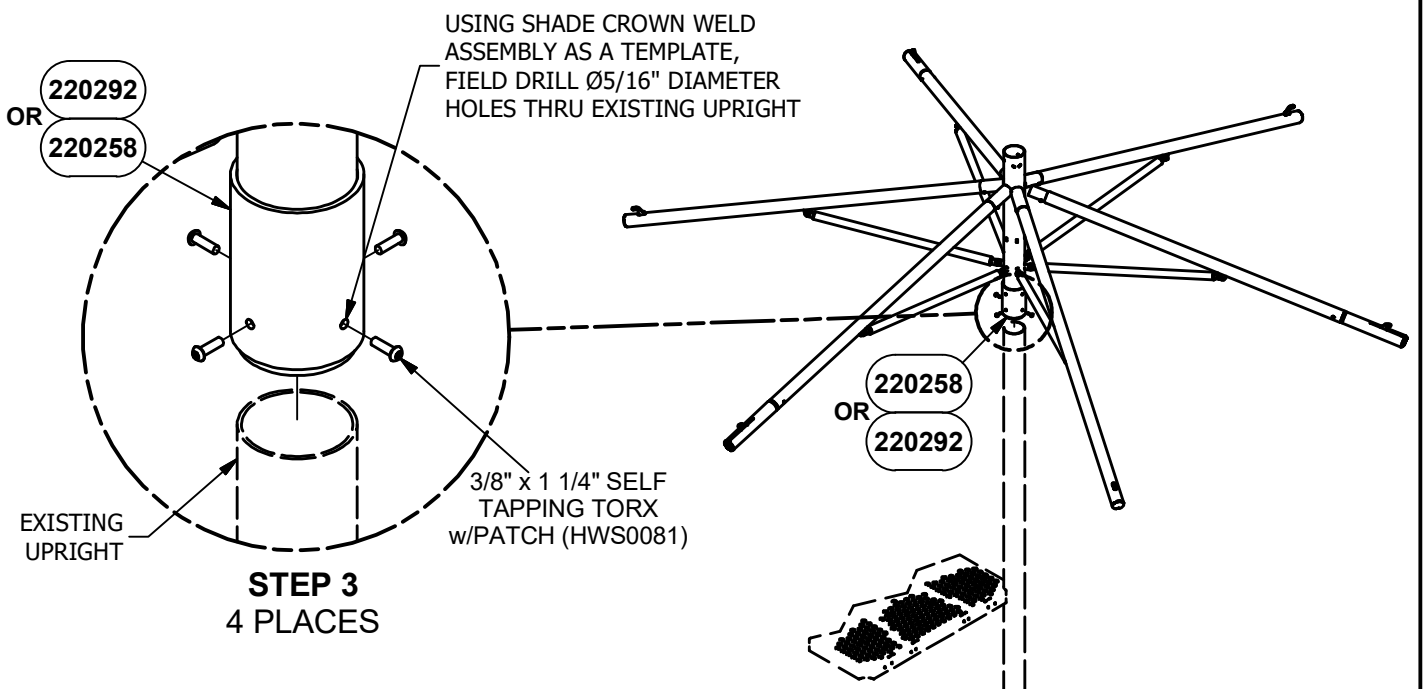

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

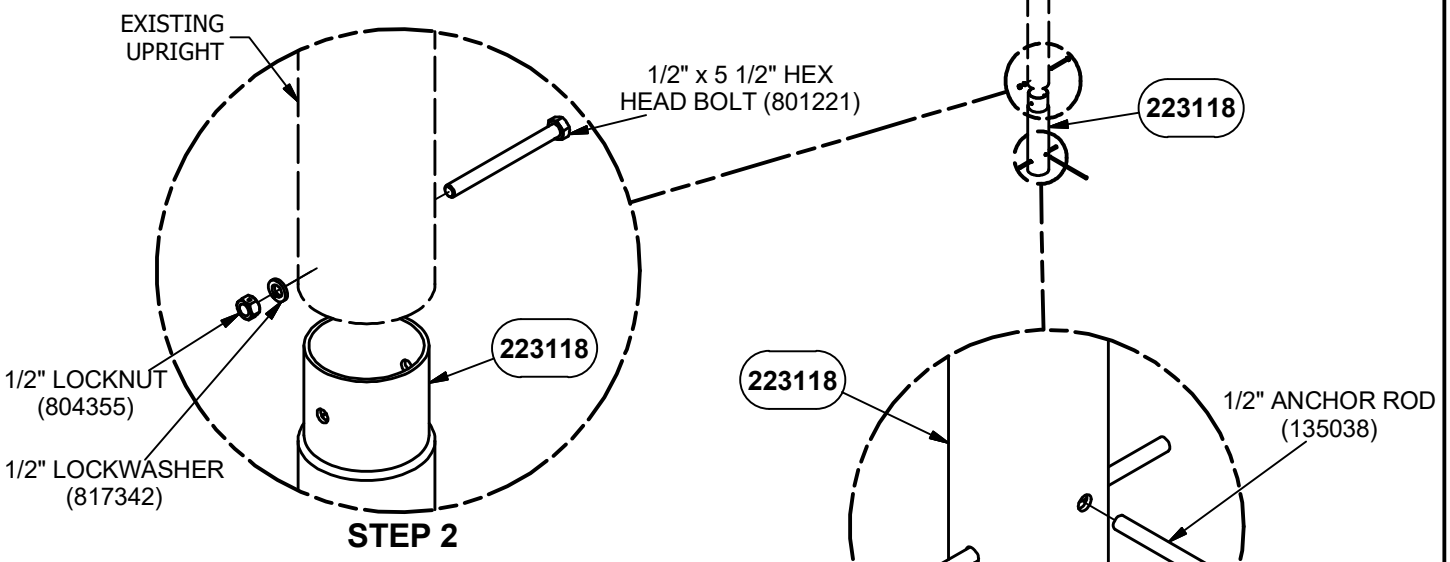
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL

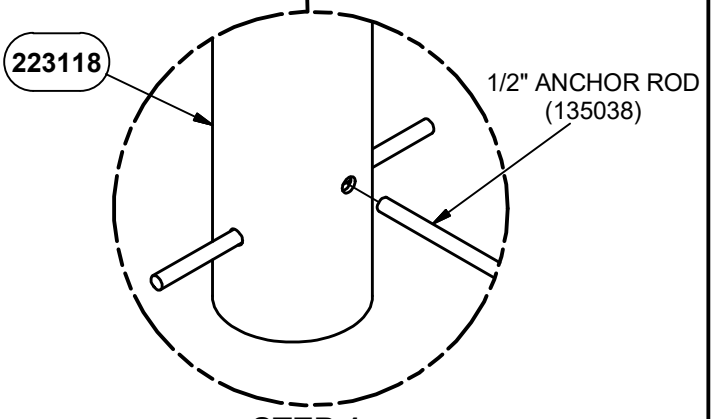



**STEP 3**
4 PLACES




**STEP 2**

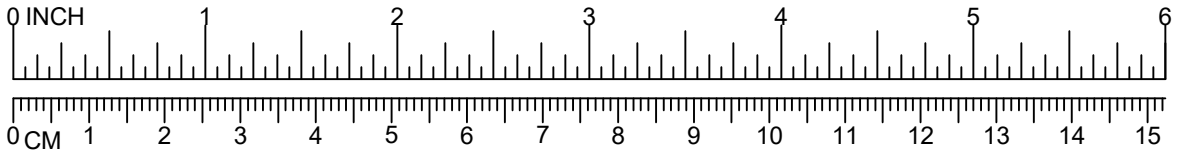


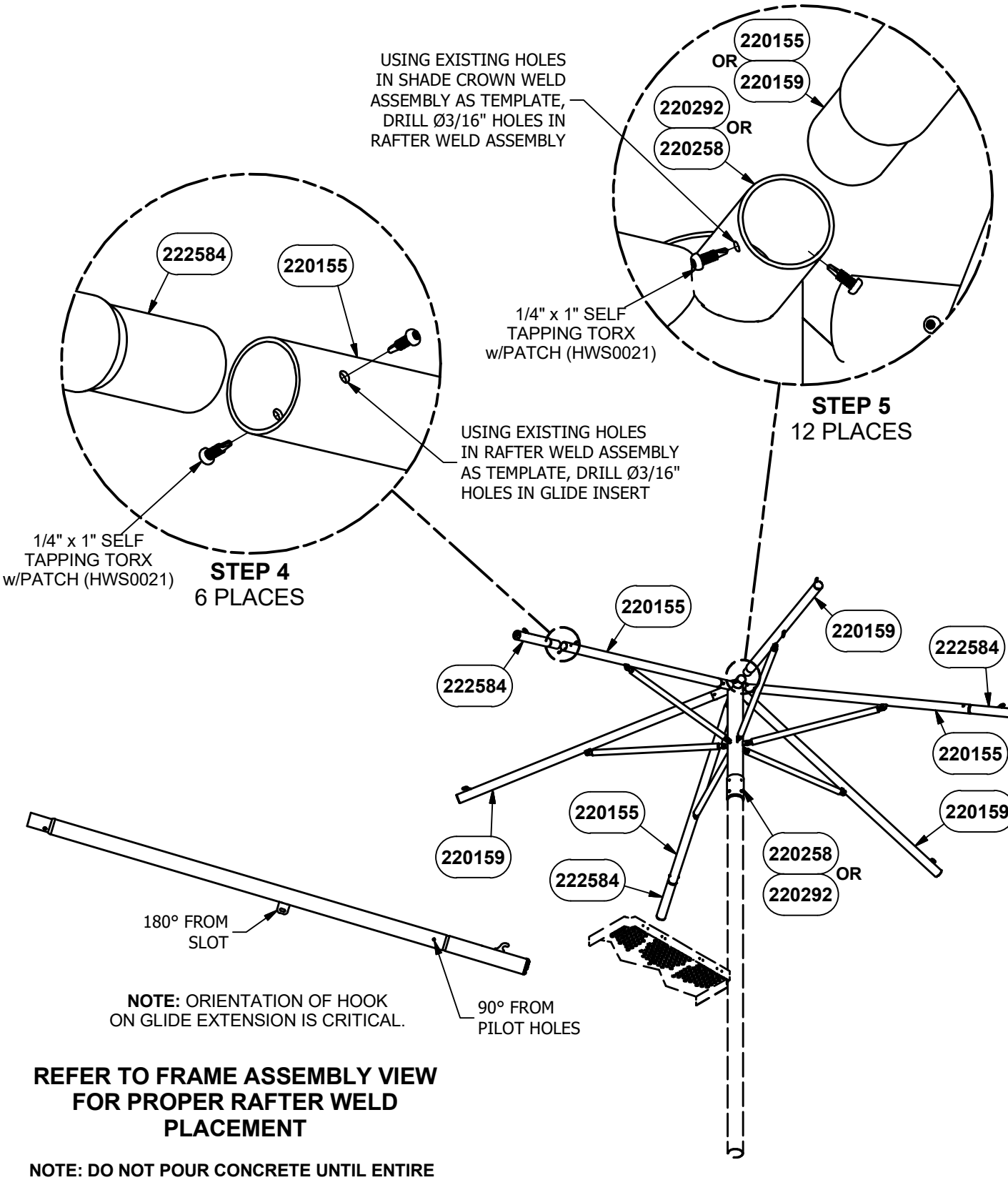

**STEP 1**
2 PLACES

**REFER TO PARTS LIST AND FRAME ASSEMBLY VIEWS FOR PROPER SHADE CROWN WELD ASSEMBLY**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW



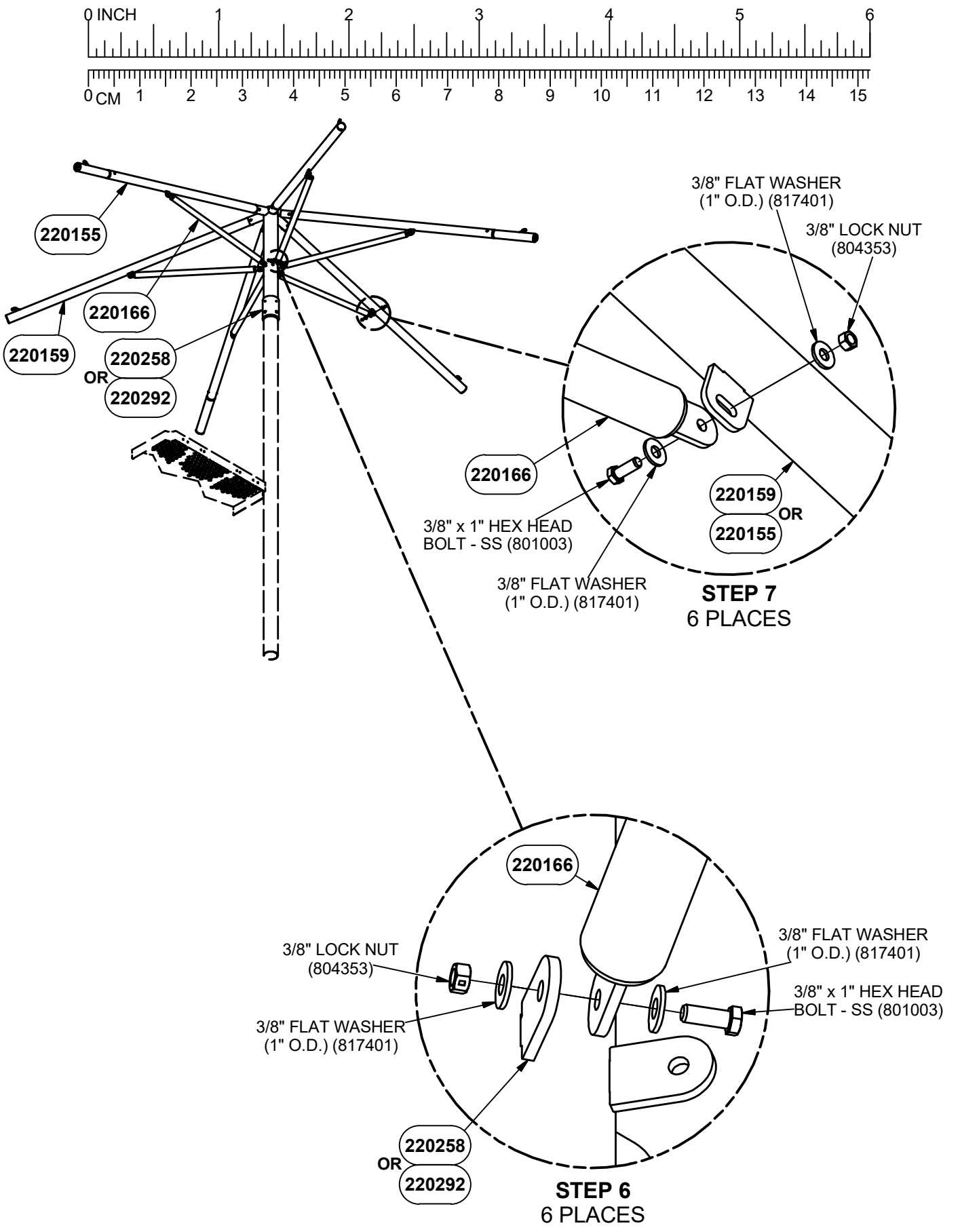




**NOTE:** ORIENTATION OF HOOK ON GLIDE EXTENSION IS CRITICAL.

**REFER TO FRAME ASSEMBLY VIEW FOR PROPER RAFTER WELD PLACEMENT**

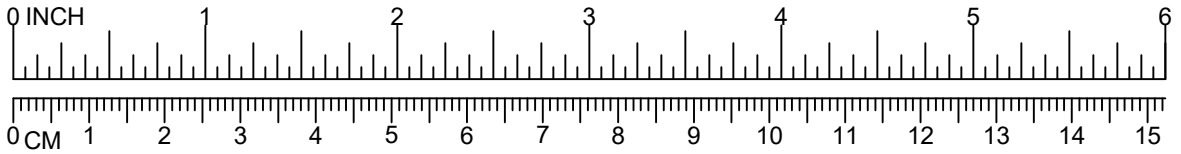
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

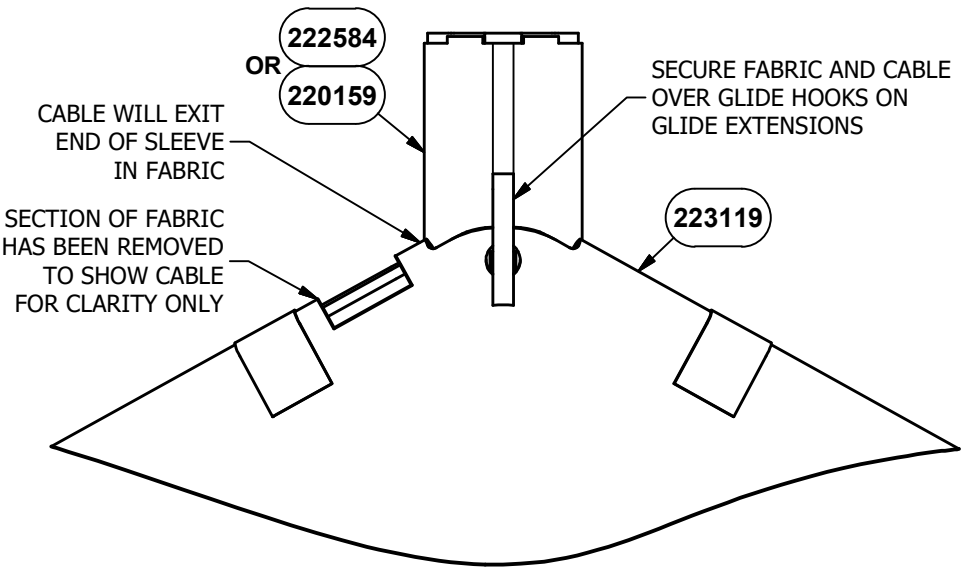
## DETAIL VIEW




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW



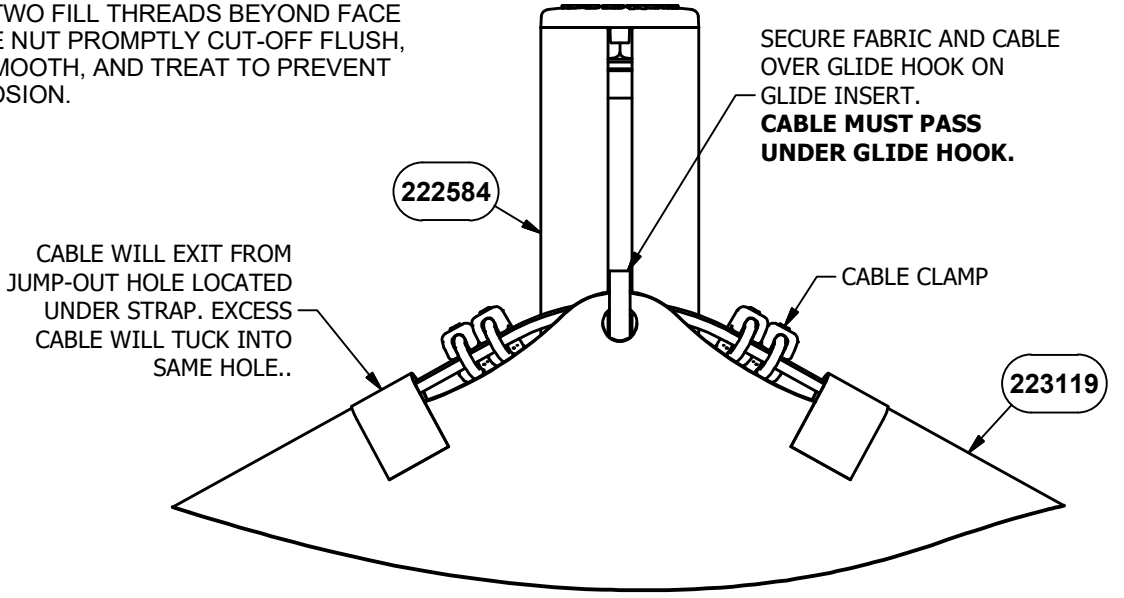

VIEW IS FROM TOP OF SHADE FABRIC

**STEP 8**
5 PLACES

**NOTE:** ADD LOCTITE (SUPPLIED BY OTHERS) TO BOLTED CONNECTIONS.

**NOTE:** CABLE CLAMP MUST BE INSTALLED WITH NUTS FACING DOWN. CLAMPS MUST BE TOUCHING EACH OTHER.

**NOTE:** ANY BOLT END PROTRUDING MORE THAN TWO FILL THREADS BEYOND FACE OF THE NUT PROMPTLY CUT-OFF FLUSH, FILE SMOOTH, AND TREAT TO PREVENT CORROSION.

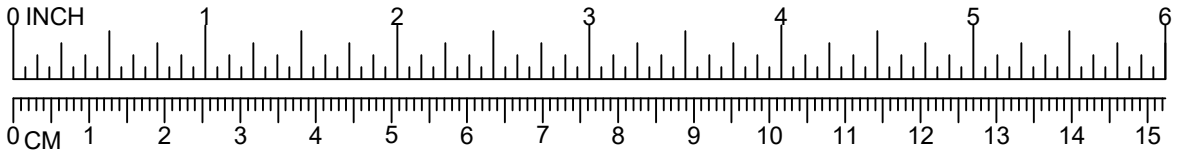


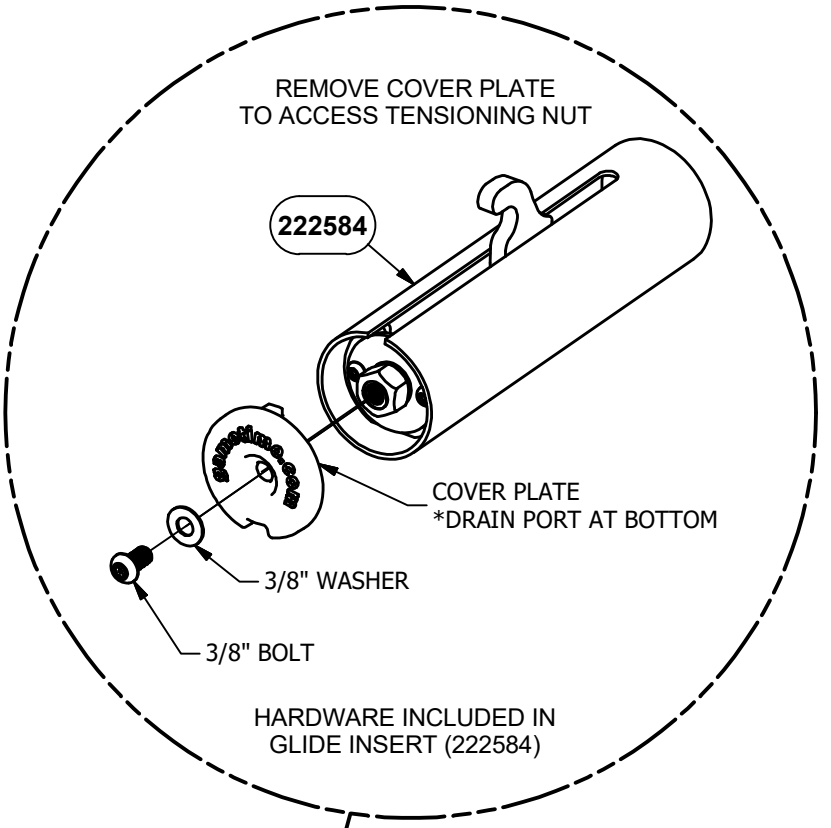

VIEW IS FROM TOP OF SHADE FABRIC

**STEP 9**

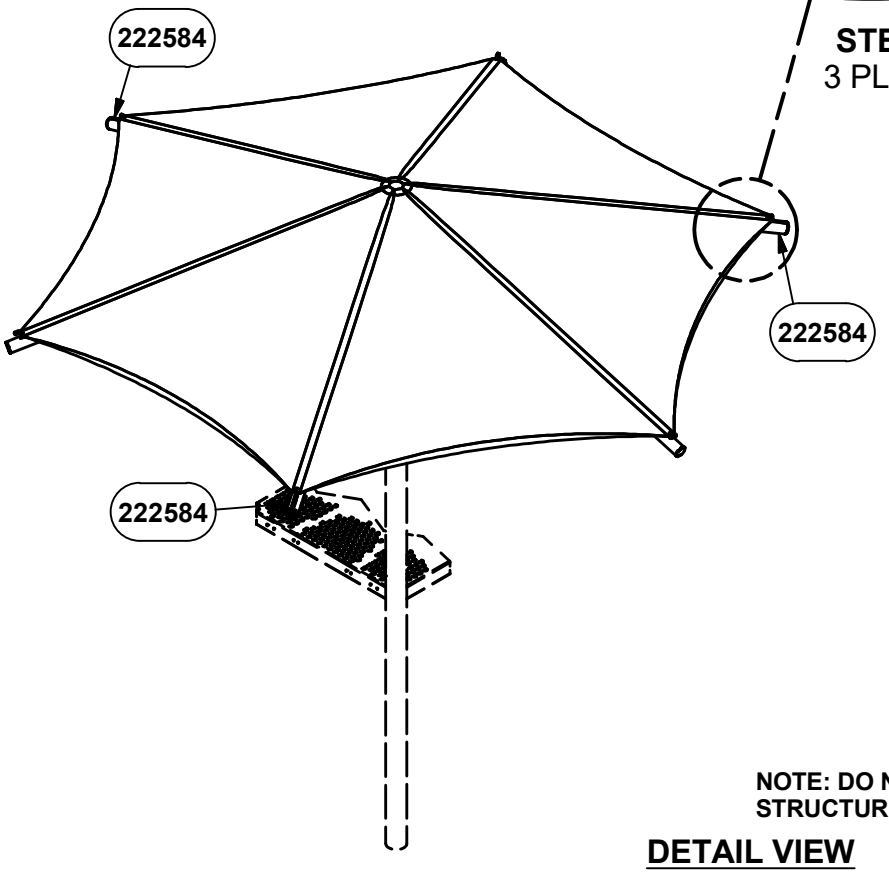
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**




**STEP 10**
3 PLACES




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

# INSTALLATION INSTRUCTIONS

**NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE**.

**NOTE:** Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

**NOTE:** Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

**NOTE:** Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

**NOTE:** Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

**NOTE:** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local condition

**NOTE:** Refer to the Detail Views for the specific hardware required in each connection.

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**STEP 1:** Attach Anchor Rods to In-Ground Extension. **REFER TO PAGE 8.**

**STEP 2:** Attach In-Ground Extension to Upright. **REFER TO PAGE 8.**

**STEP 3:** Attach Shade Crown Weld Assembly to Upright. Using Shade Crown Weld Assembly as a template, field drill Ø5/16" diameter holes thru existing upright. **REFER TO PAGE 8.**

**STEP 4:** Attach Glide Inserts to Rafter Weld Assemblies (220155). Using existing holes in Rafter Weld Assembly as template, drill Ø3/16" holes in Glide Insert and install Self Tapping Screws.. **REFER TO PAGE 9.**

**STEP 5:** Attach Rafter Weld Assemblies to Shade Crown Weld Assembly. Uisng existing holes in Shade Crown Weld Assembly as template, drill Ø3/16" holes in Rafter Weld Assembly and install using Self Tapping Screws. **REFER TO PAGE 9.**

**STEP 6:** Attach Strut Weld Assemblies to Shade Crown Weld Assembly. **REFER TO PAGE 10.**

**STEP 7:** Attach Strut Weld Assemblies to Rafter Weld Assemblies. **REFER TO PAGE 10.**

**NOTE:** FOLLOWING STEPS TO BE COMPLETED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

**STEP 8:** Starting at any corner thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on the same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner. Spread the shade fabric over the frame and secure corners to the Glide Hooks. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Hooks. **NOTE:** The Steel Cable must always pass under the Glide Hooks. **REFER TO PAGE 11.**

**STEP 9:** Pull tight by hand then using the clamps provided, fasten the steel cables together. All clamps must be used. After clamps are tightened, thread the excess steel cable back into the jump-out holes in the shade fabric. **NOTE:** If any portion of the steel cable was bent/kinked during the tensioning process, it must be straightened by bending the steel cable back in the opposite direction of the bend. **REFER TO PAGE 11.**

**STEP 10:** Remove Cover Plate from Glide Insert to access tensioning nut. Take turns tensioning each Glide Insert in small increments. Make sure that the steel cables cross each other at the corner where the steel cable ends. DO NOT OVER TENSION! You can test the tightness of the shade fabric by hitting the perimeter steel cable with the palm of your hand to see how much it moves. If the shade fabric does not move more than 6" up or down then you have the correct tension. If the shade fabric bounces and has a ripple affect then you may need to apply more tension. Attach Cover Plate to Glide Insert. **REFER TO PAGE 12.**

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 91608 | 91609 | PART NUMBER |
| SHADE CROWN WELD ASSEMBLY | 1 | 0 | 220258 |
| SHADE CROWN WELD ASSEMBLY | 0 | 1 | 220292 |
| GLIDE INSERT | 3 | 3 | 222584 |
| RAFTER WELD ASSEMBLY | 3 | 3 | 220155 |
| RAFTER WELD ASSEMBLY | 3 | 3 | 220159 |
| STRUT WELD ASSEMBLY | 6 | 6 | 220166 |
| IN-GROUND EXTENSION | 1 | 1 | 223118 |
| ***15' HEX FABRIC PACKAGE*** | 1 | 1 | 223119 |
| 15' HEX SHADE FABRIC | 1 | 1 | ** |
| CABLE (3/16" DIAMETER 55' LG) | 1 | 1 | ** |
| CABLE CLAMP | 4 | 4 | ** |
| ***HARDWARE COMPLETE*** | 1 | 1 | 220298 |
| 1/4" x 1" SELF TAPPING TORX w/PATCH | 18 | 18 | HWS0021* |
| 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 4 | 4 | HWS0081* |
| 3/8" x 1" HEX HEAD BOLT - SS | 12 | 12 | 801003* |
| 3/8" FLAT WASHER (1" O.D.) | 24 | 24 | 817401* |
| 3/8" LOCK NUT | 12 | 12 | 804353* |
| 1/2" x 5 1/2" HEX HEAD BOLT | 1 | 1 | 801221* |
| 1/2" LOCKWASHER | 1 | 1 | 817342* |
| 1/2" LOCKNUT | 1 | 1 | 804355* |
| 1/2" ANCHOR ROD | 2 | 2 | 135038* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*
*** Included in 15' Hex Fabric Package*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/27/2022

# 91617

# HI-LINE CLIMBING LINK

| | |
|---|---|
| 1 DECK SPAN 0' RISE | 91617 |
| 1 DECK SPAN 1' RISE | 91618 |
| 2 DECK SPAN 0' RISE | 91619 |
| 2 DECK SPAN 1' RISE | 91620 |
| 2 DECK SPAN 2' RISE | 91621 |
| 2 DECK SPAN 3' RISE | 91622 |

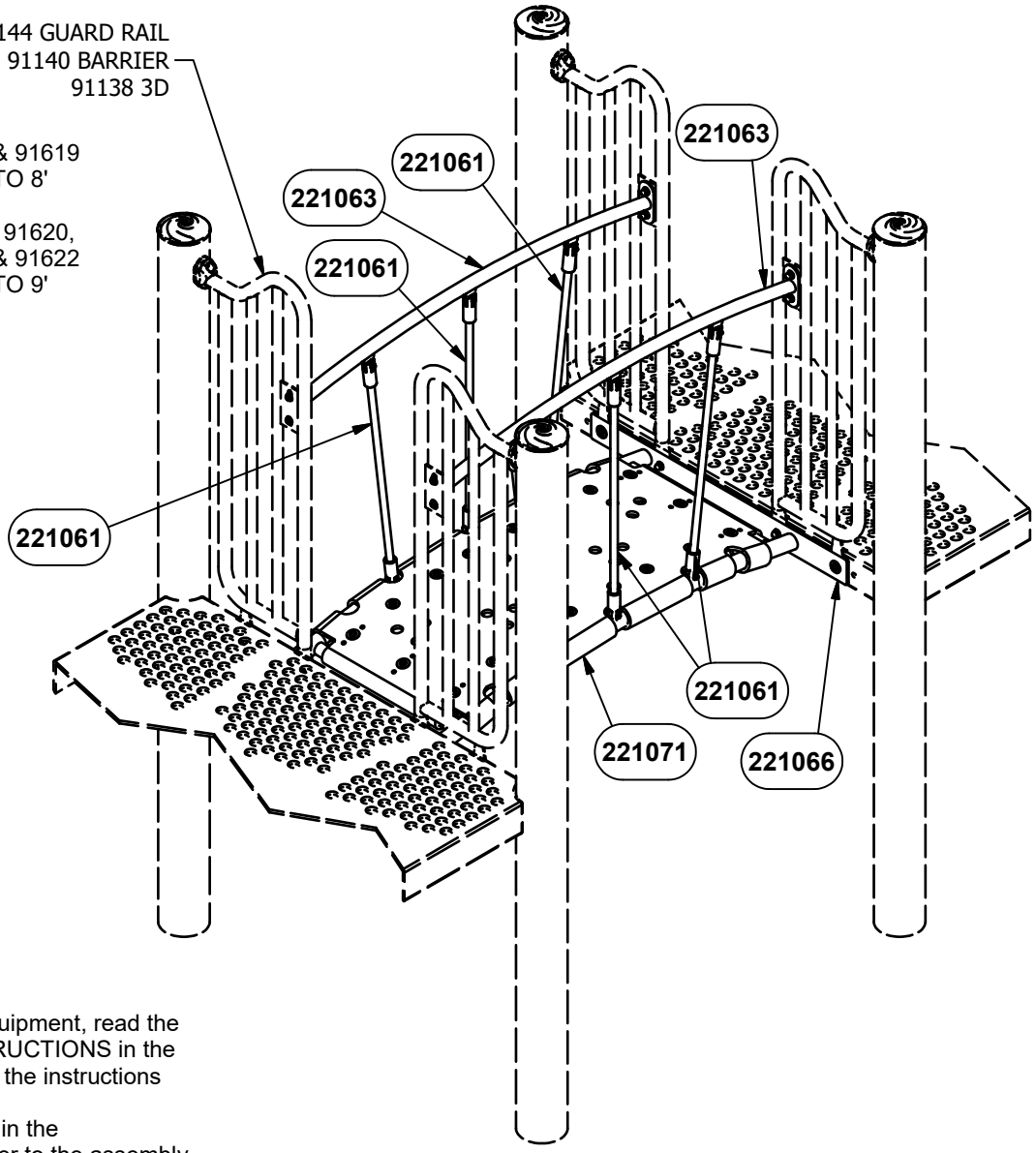
This play equipment is designed for CHILDREN 2 TO 5 YEARS OLD Adult supervision is recommended Enriching Childhood Through Play™ www.gametime.com

UP TO 5'

This play equipment is designed for CHILDREN 5 TO 12 YEARS OLD Adult supervision is recommended Enriching Childhood Through Play™ www.gametime.com

91617 & 91619
UP TO 8'

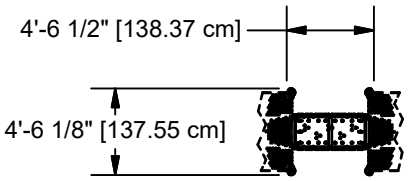
91618, 91620,
91621 & 91622
UP TO 9'



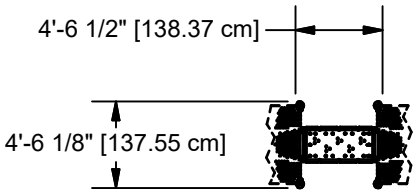

**ASSEMBLY VIEW**
91617 SHOWN
OTHERS SIMILAR

## INSTALLATION INSTRUCTIONS

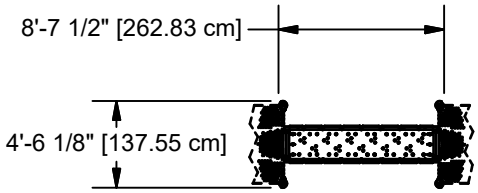
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



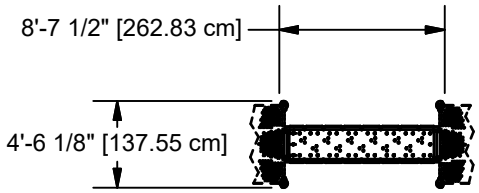

**TOP VIEW**
91617



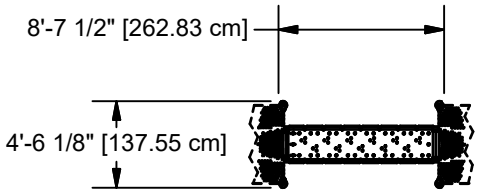

**TOP VIEW**
91618



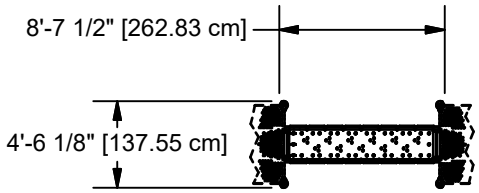

**TOP VIEW**
91619



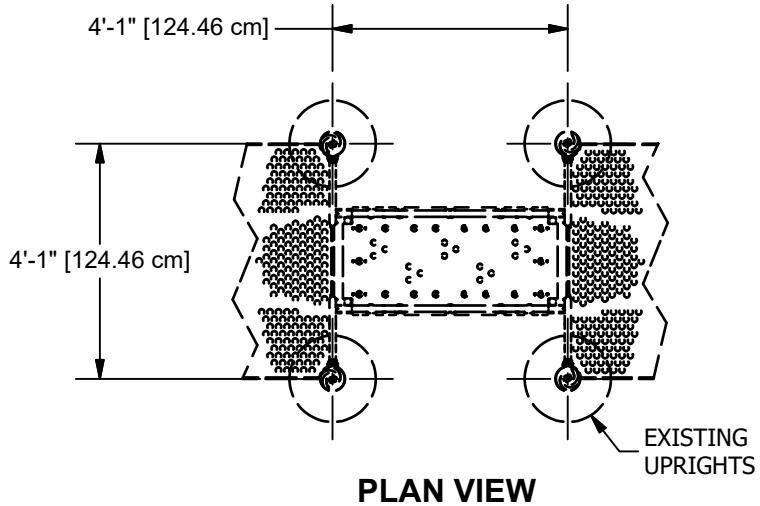

**TOP VIEW**
91620



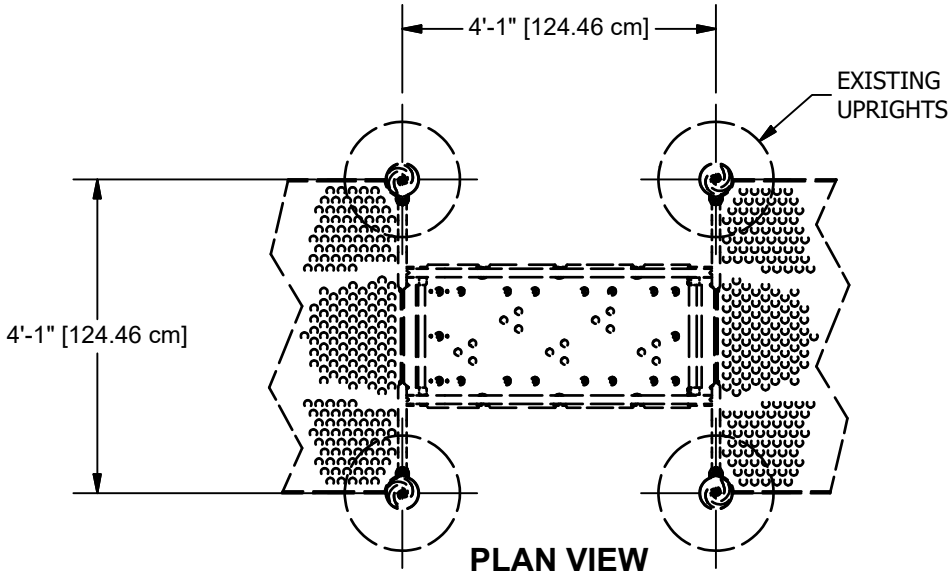

**TOP VIEW**
91621



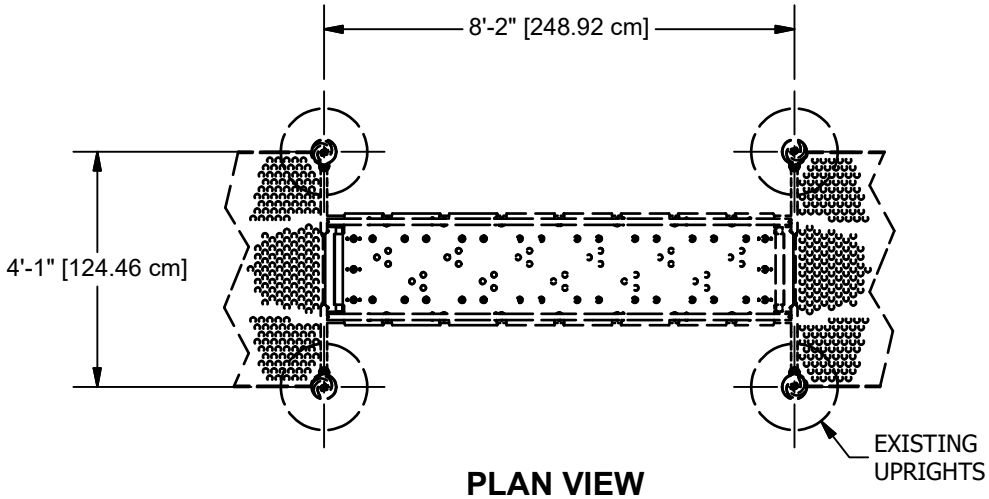

**TOP VIEW**
91622



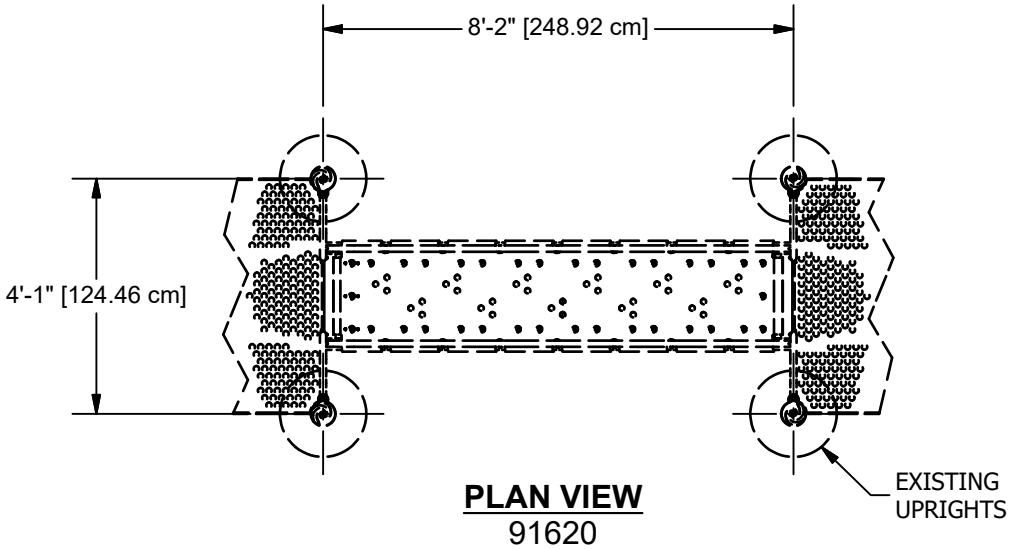

**PLAN VIEW**
91617



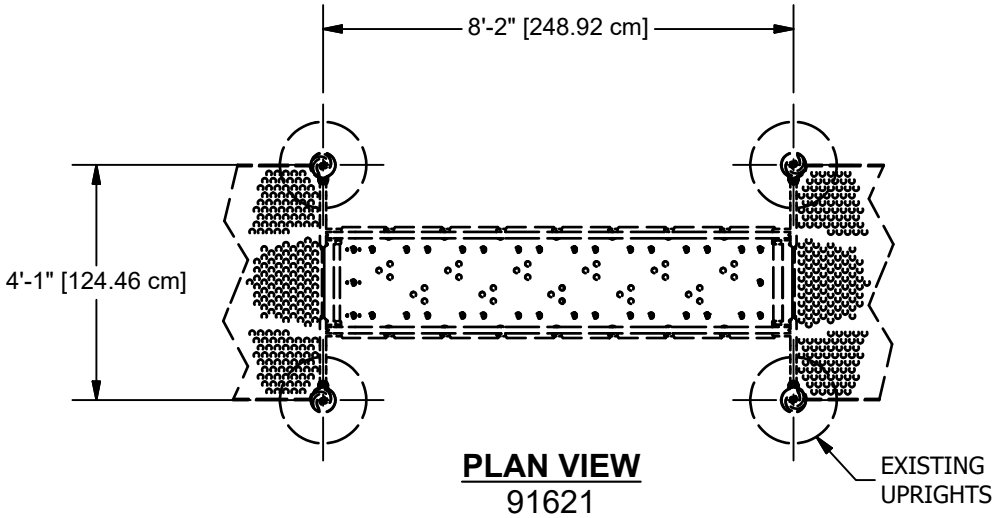

**PLAN VIEW**
91618



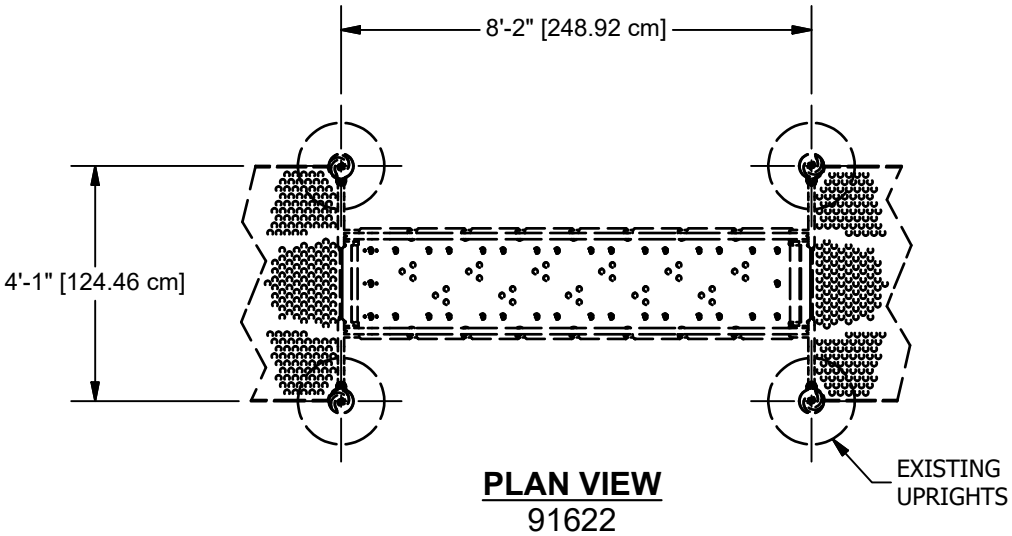

**PLAN VIEW**
91619



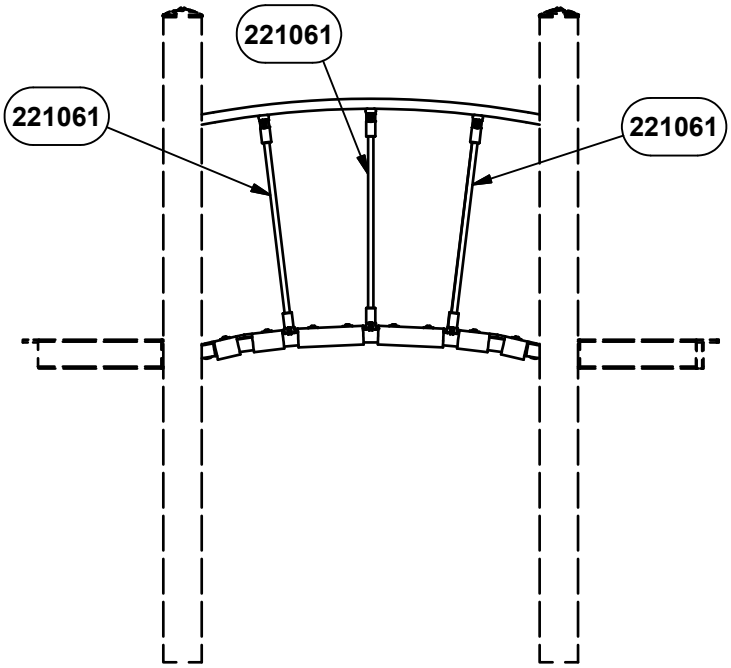

**PLAN VIEW**
91620



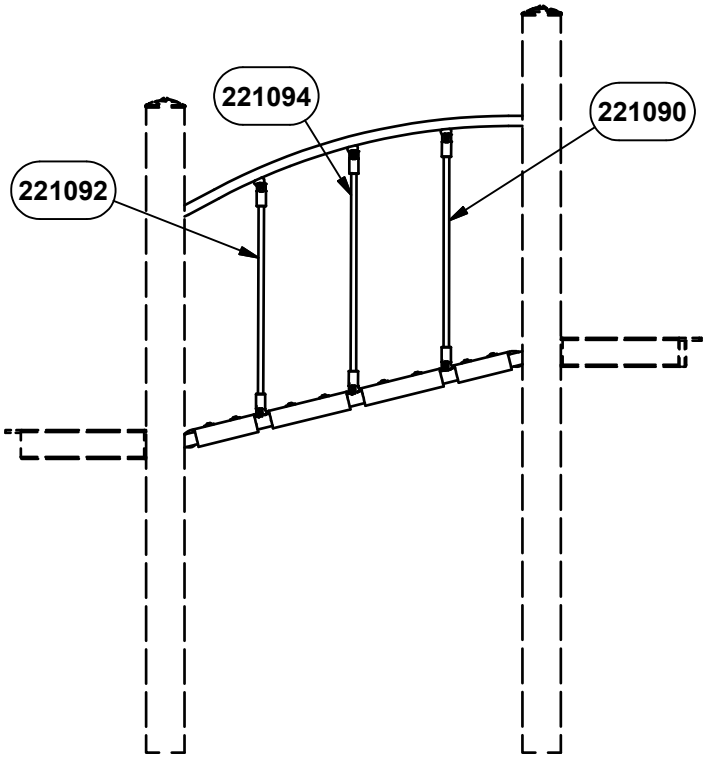

**PLAN VIEW**
91621



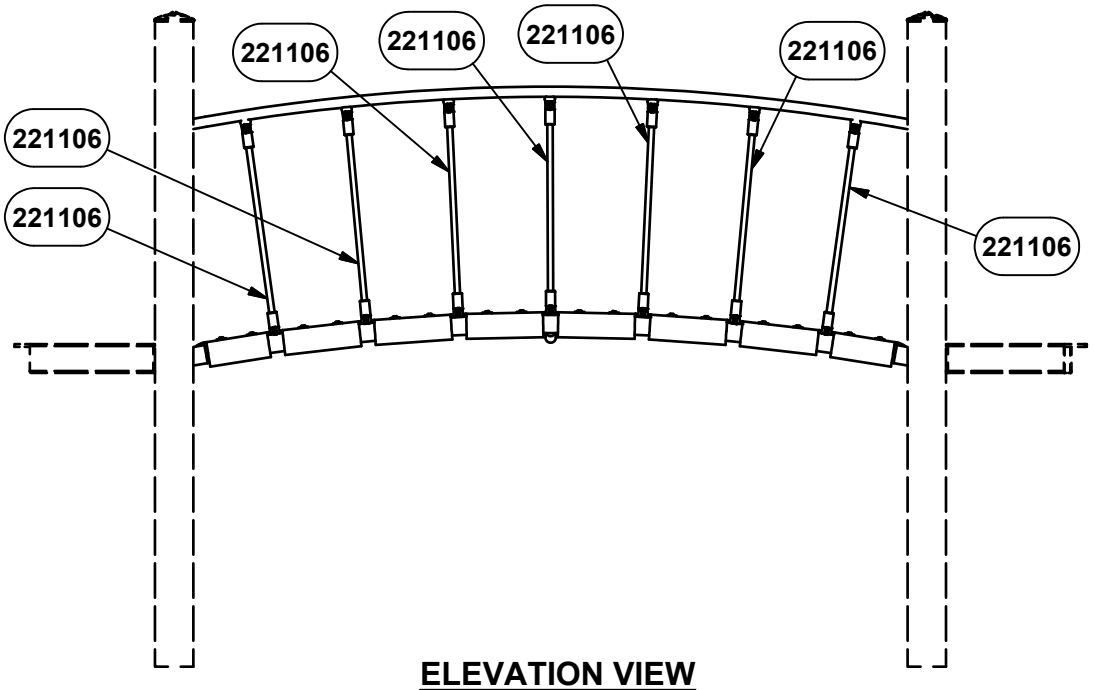

**PLAN VIEW**
91622



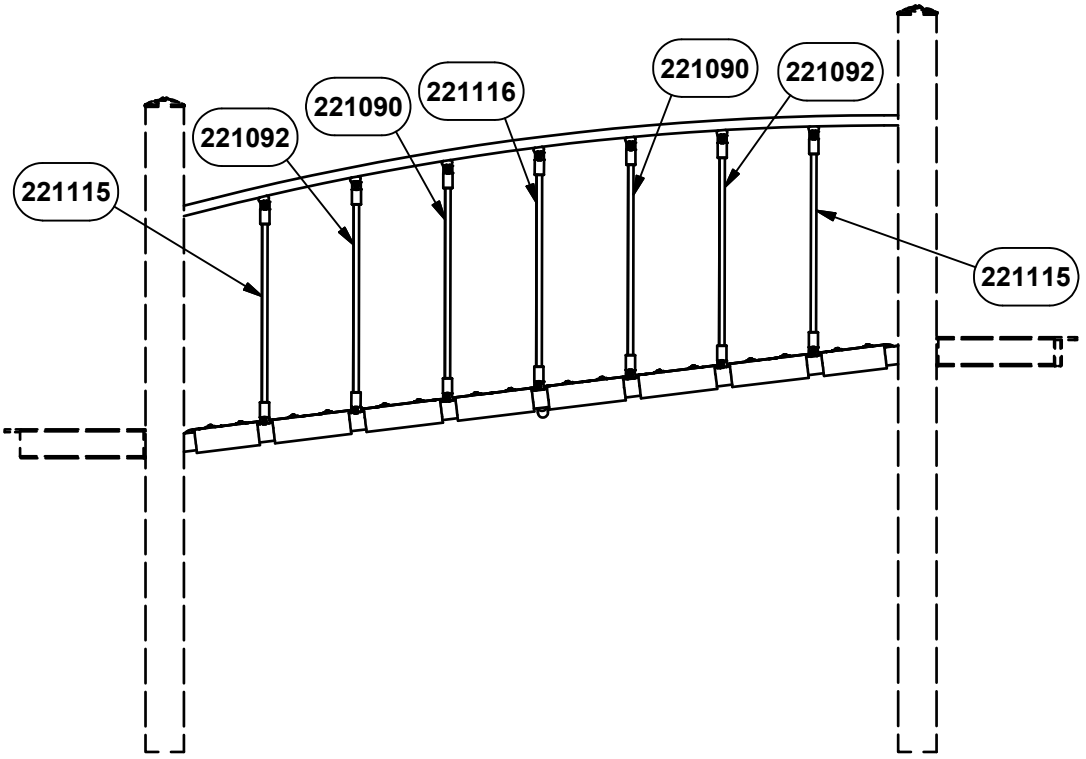

**ELEVATION VIEW**
91617



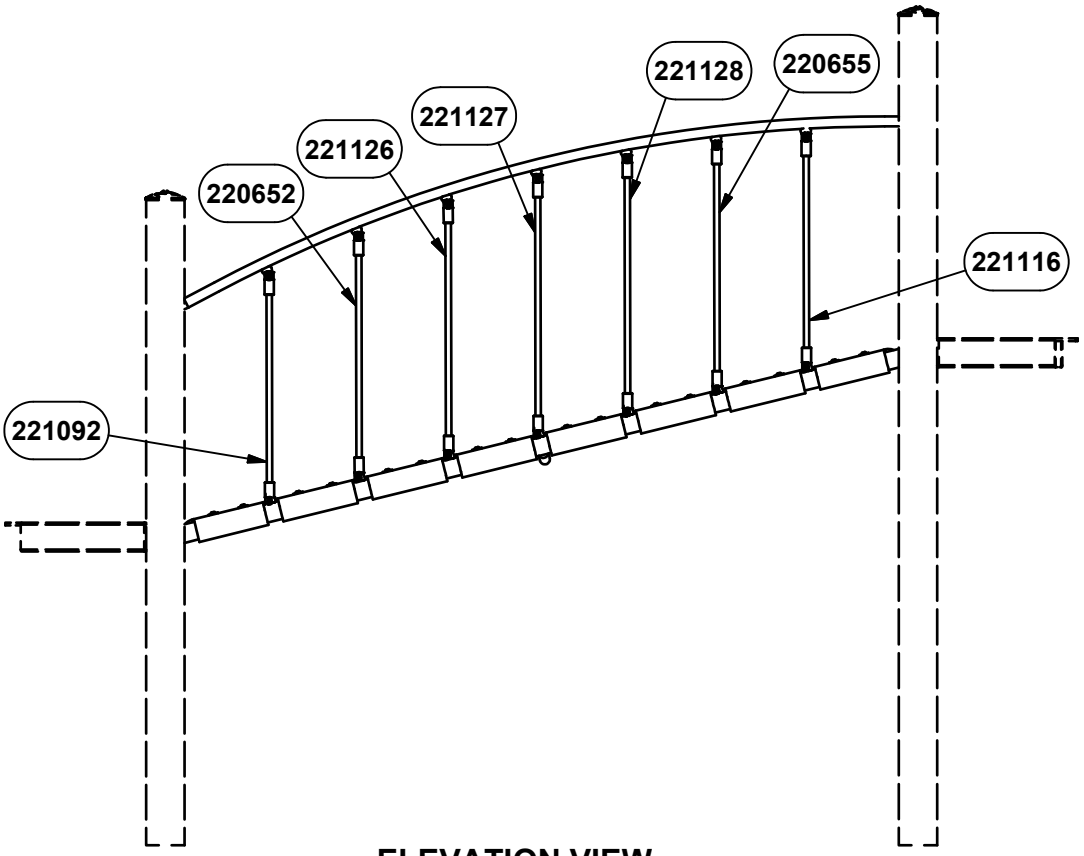

**ELEVATION VIEW**
91618



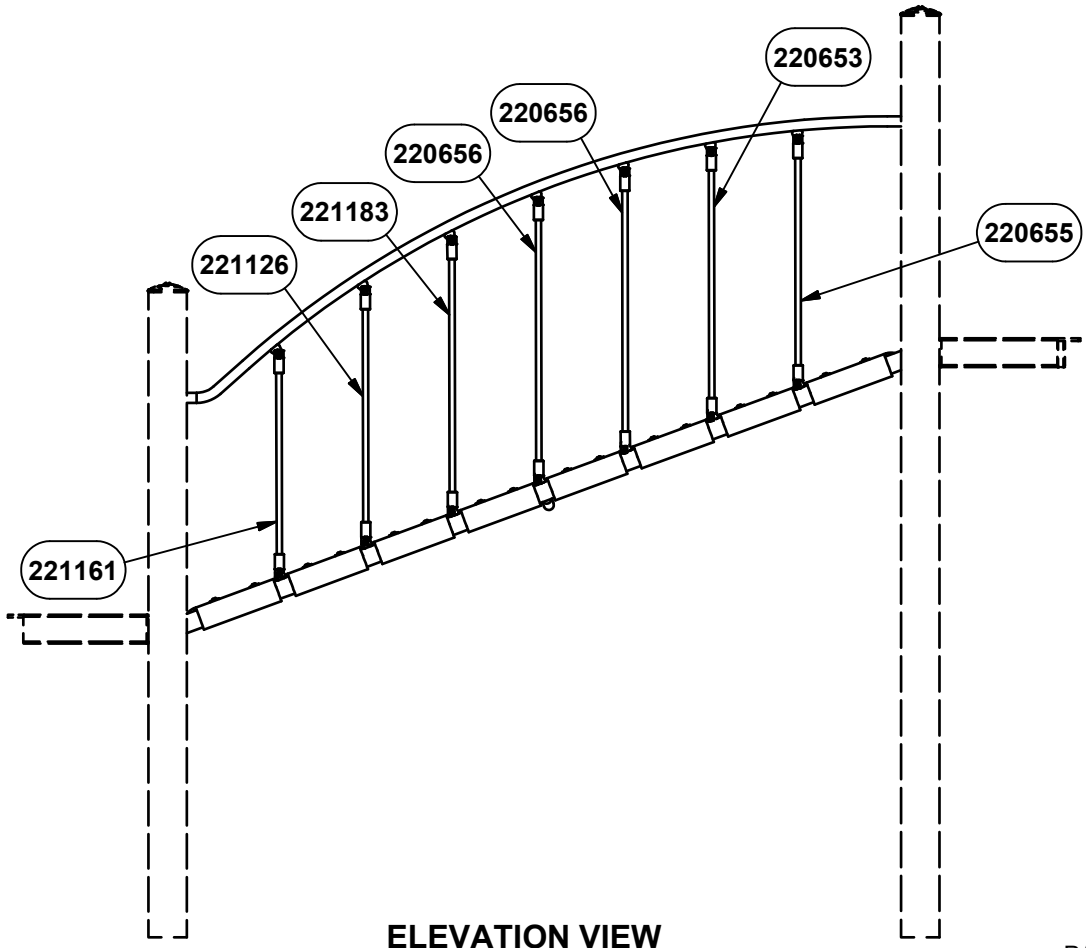

**ELEVATION VIEW**
91619



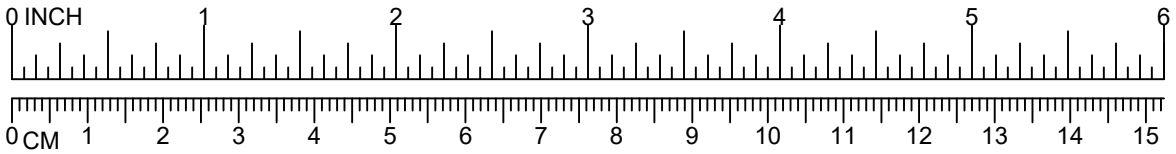

**ELEVATION VIEW**
91620

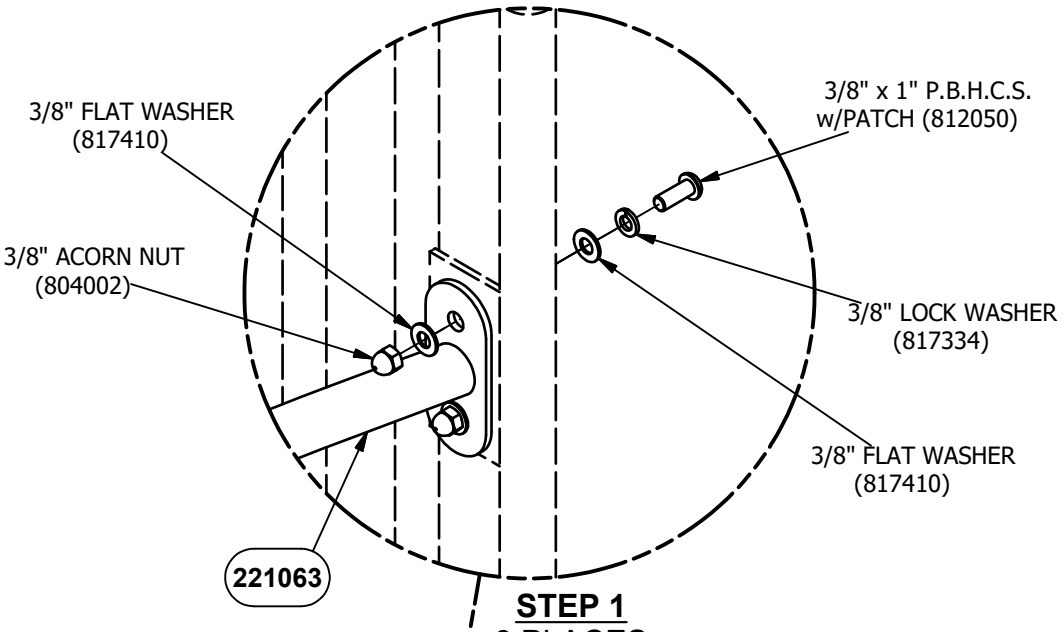



**ELEVATION VIEW**
91621

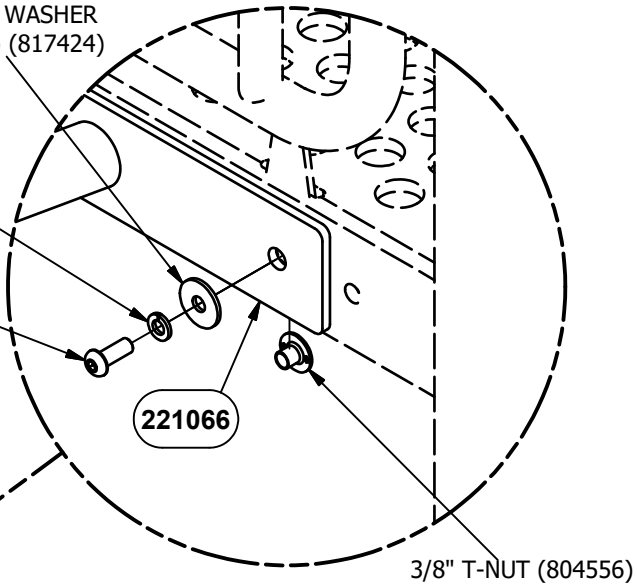



**ELEVATION VIEW**
91622

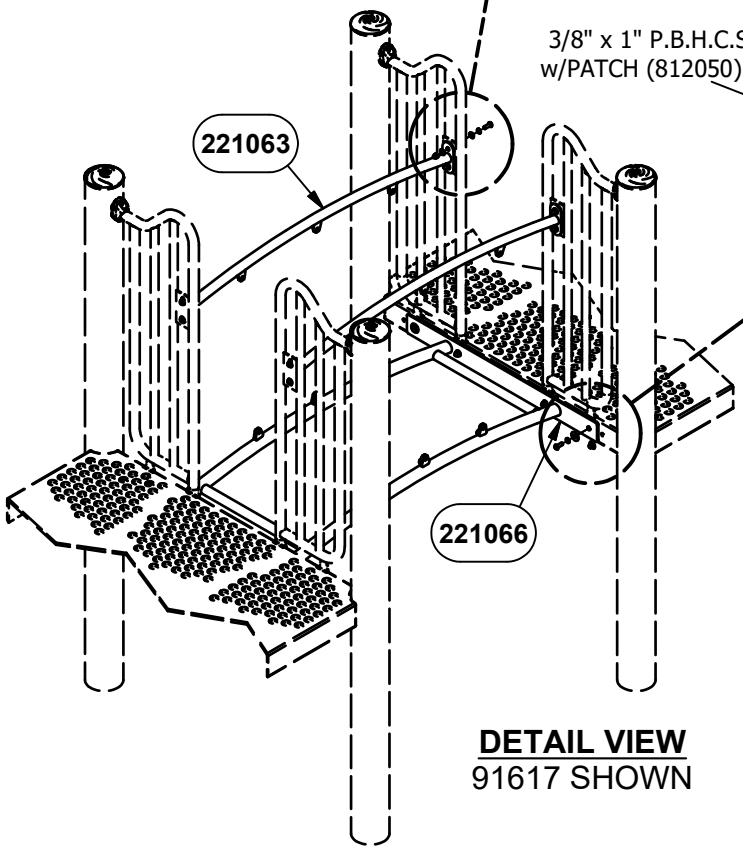



**STEP 1**
8 PLACES

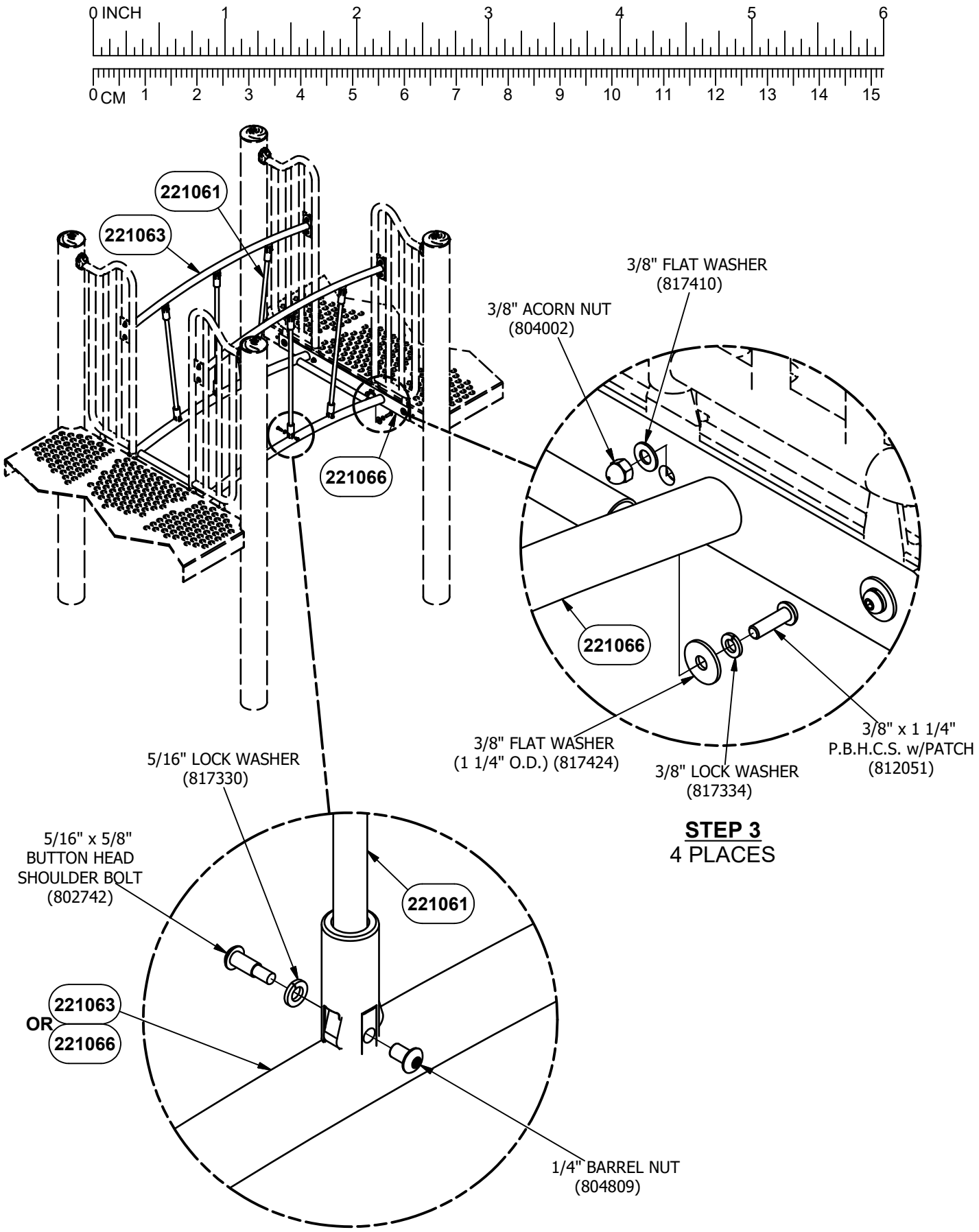



**STEP 2**
4 PLACES




**DETAIL VIEW**
91617 SHOWN

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

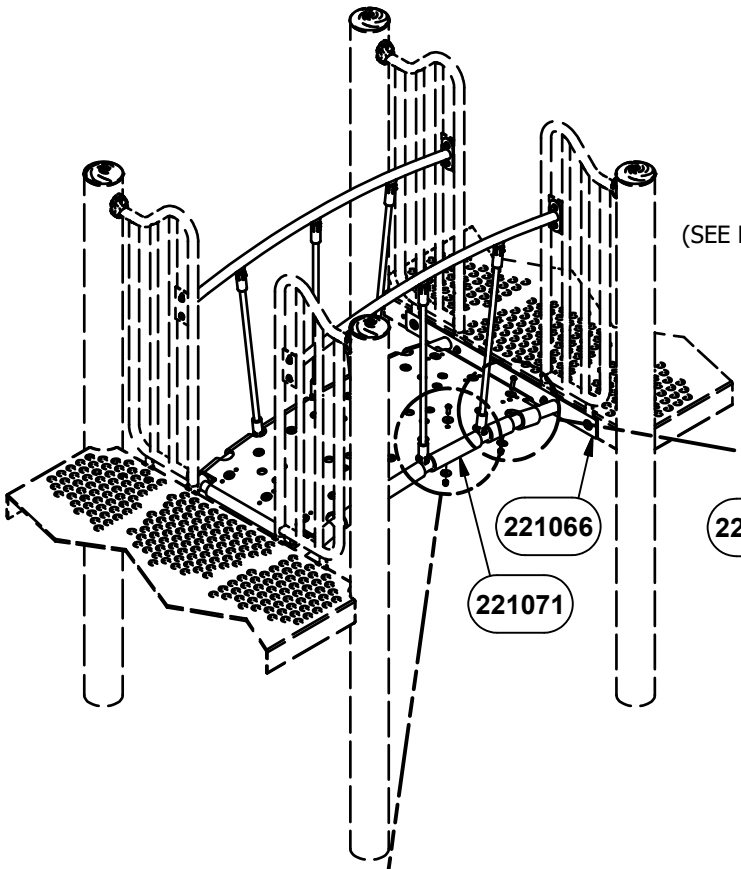


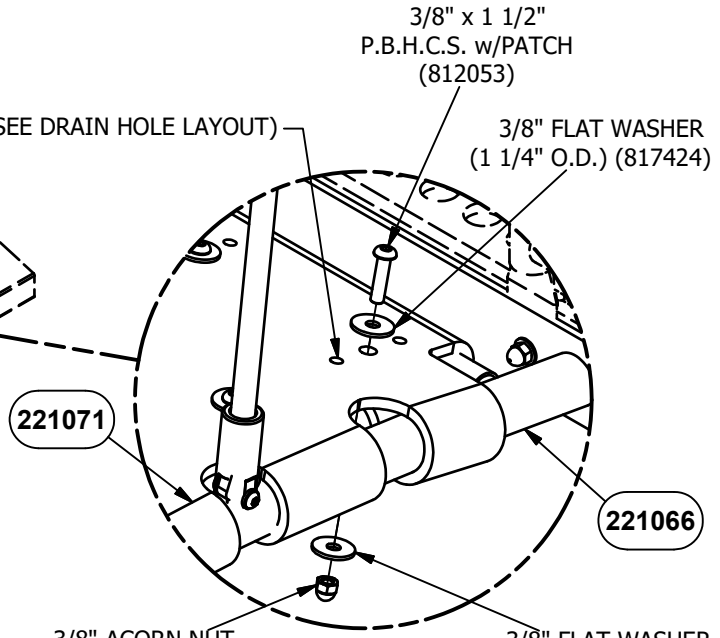

**STEP 3**
4 PLACES

**STEP 4**
12 PLACES

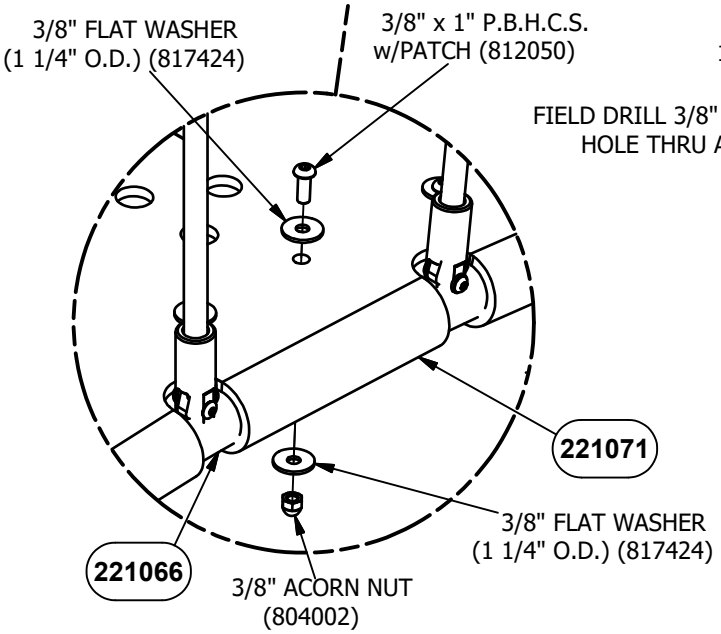
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**
91617 SHOWN

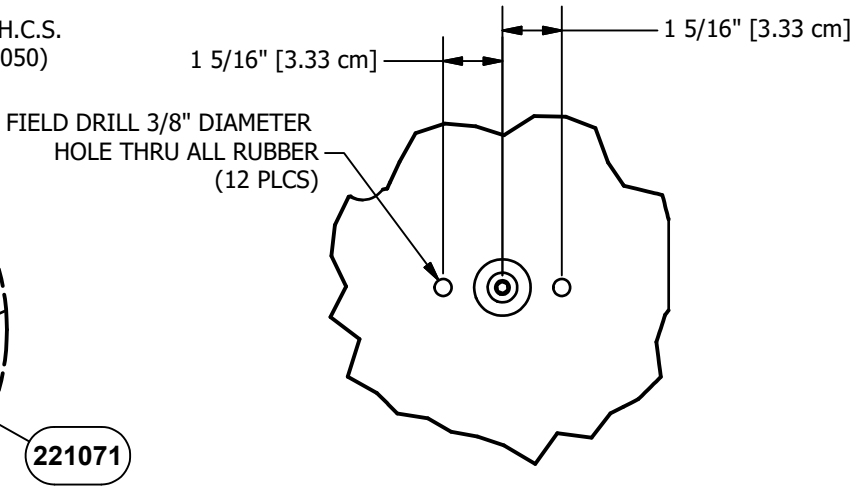



**STEP 5**
4 PLACES




**STEP 6**
14 PLACES




**DRAIN HOLE LAYOUT**
6 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**
91617 SHOWN

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION | 91617 | 91618 | 91619 | 91620 | 91621 | 91622 | PART NUMBER |
| TOP RAIL WELD ASSEMBLY | 2 | 0 | 0 | 0 | 0 | 0 | 221063 |
| TOP RAIL WELD ASSEMBLY | 0 | 2 | 0 | 0 | 0 | 0 | 221085 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 2 | 0 | 0 | 0 | 221101 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 0 | 2 | 0 | 0 | 221109 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221121 |
| TOP RAIL WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 220649 |
| BOTTOM SUPPORT WELD ASSEMBLY | 1 | 0 | 0 | 0 | 0 | 0 | 221066 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 1 | 0 | 0 | 0 | 0 | 221088 |
| BOTTOM SUPPERT WELD ASSEMBLY | 0 | 0 | 1 | 0 | 0 | 0 | 221104 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 0 | 0 | 1 | 0 | 0 | 221112 |
| BOTTOM SUPPORT WELD ASSEMBLY | 0 | 0 | 0 | 0 | 1 | 0 | 221124 |
| RUBBER MAT FRAME WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 1 | 220643 |
| RUBBER MAT | 1 | 0 | 0 | 0 | 0 | 0 | 221071 |
| RUBBER MAT | 0 | 1 | 0 | 0 | 0 | 0 | 221083 |
| RUBBER MAT | 0 | 0 | 1 | 0 | 0 | 0 | 221099 |
| RUBBER MAT | 0 | 0 | 0 | 1 | 0 | 0 | 221114 |
| RUBBER MAT | 0 | 0 | 0 | 0 | 1 | 0 | 221129 |
| RUBBER MAT | 0 | 0 | 0 | 0 | 0 | 1 | 220651 |
| CABLE ASSEMBLY | 6 | 0 | 0 | 0 | 0 | 0 | 221061 |
| CABLE 1 ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 220652 |
| CABLE 2 ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 220653 |
| CABLE 4 ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 2 | 220655 |
| CABLE 5 ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 4 | 220656 |
| CABLE ASSEMBLY 1 | 0 | 2 | 0 | 4 | 0 | 0 | 221090 |
| CABLE ASSEMBLY 2 | 0 | 2 | 0 | 4 | 2 | 0 | 221092 |
| CABLE ASSEMBLY 3 | 0 | 2 | 0 | 0 | 0 | 0 | 221094 |
| CABLE ASSEMBLY | 0 | 0 | 14 | 0 | 0 | 0 | 221106 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 4 | 0 | 0 | 221115 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 2 | 2 | 0 | 221116 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 2 | 221126 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221127 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 2 | 0 | 221128 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 221161 |
| CABLE ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 2 | 221183 |

**CONTINUES TO NEXT PAGE**

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION | 91617 | 91618 | 91619 | 91620 | 91621 | 91622 | PART NUMBER |
| ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 0 | 0 | 0 | 221107 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 1 | 1 | 1 | 221117 |
| 1/4" BARREL NUT | 12 | 12 | 28 | 28 | 28 | 28 | 804809* |
| 5/16" x 5/8" BUTTON HEAD SHOULDER BOLT | 12 | 12 | 28 | 28 | 28 | 28 | 802742* |
| 5/16" LOCK WASHER | 12 | 12 | 28 | 28 | 28 | 28 | 817330* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 26 | 26 | 42 | 42 | 42 | 42 | 812050* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 4 | 812051* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 4 | 812053* |
| 3/8" FLAT WASHER | 20 | 20 | 20 | 20 | 20 | 20 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 44 | 44 | 76 | 76 | 76 | 76 | 817424* |
| 3/8" LOCK WASHER | 16 | 16 | 16 | 16 | 16 | 16 | 817334* |
| 3/8" ACORN NUT | 30 | 30 | 46 | 46 | 46 | 46 | 804002* |
| 3/8" T-NUT | 4 | 4 | 4 | 4 | 4 | 4 | 804556* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/29/2021

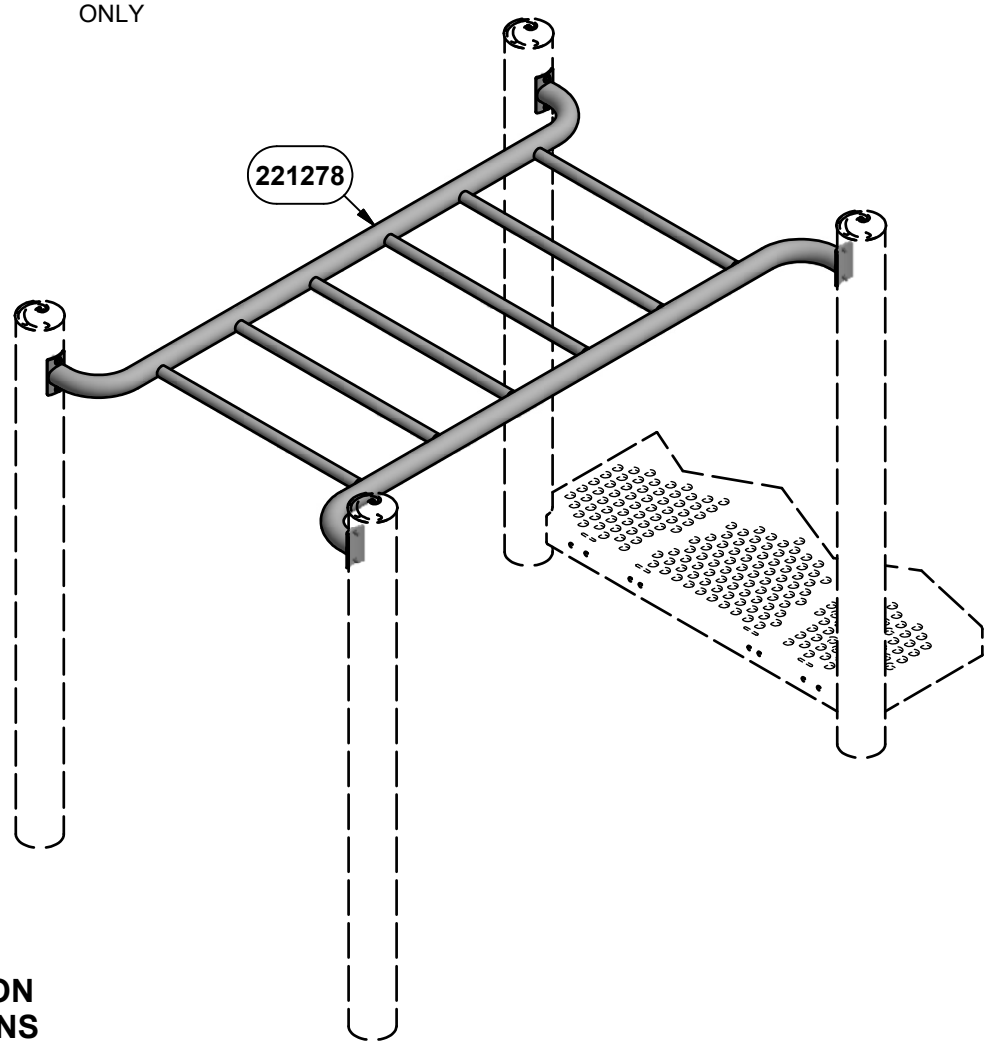
# 91698

# PRESCHOOL HORIZONTAL LADDER

This play equipment is designed for CHILDREN 2 TO 5 YEARS OLD Adult supervision is recommended

Enriching Childhood Through Play.™ www.gametime.com

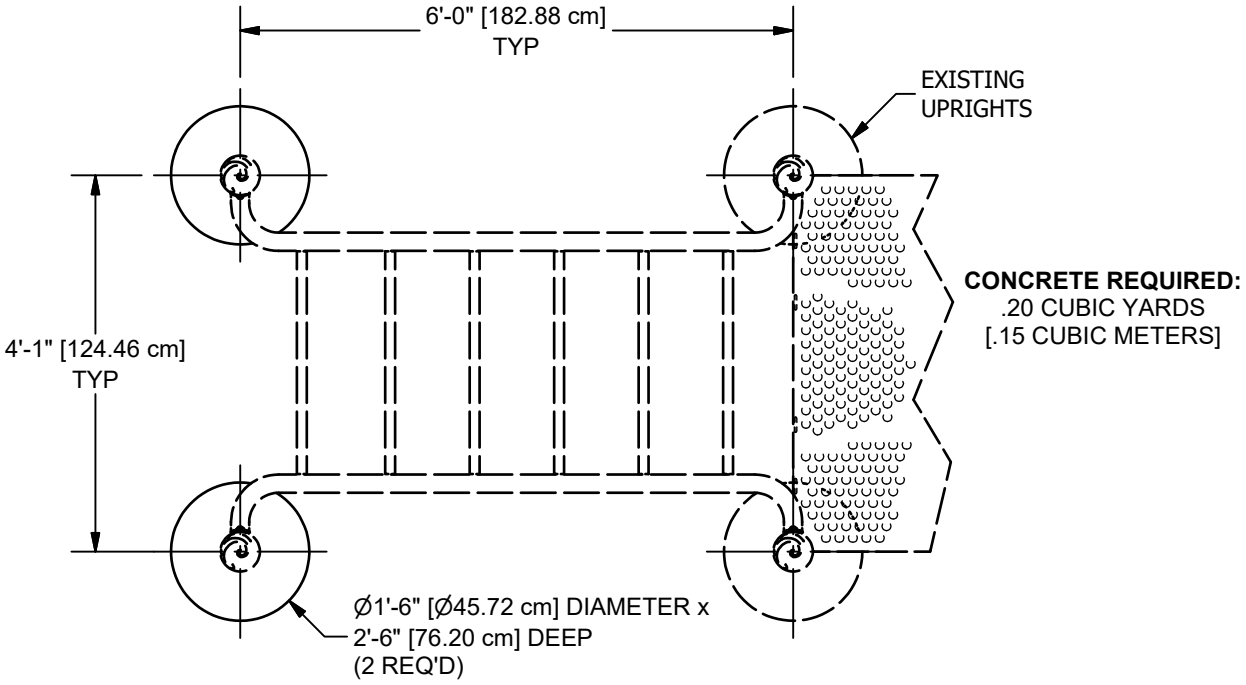
0'-6" & 1'-0" DECK HEIGHT ONLY




**ASSEMBLY VIEW**

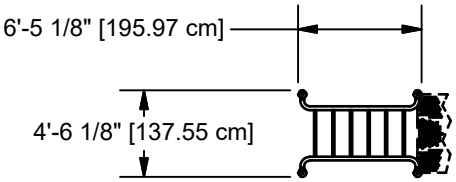
## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
**3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

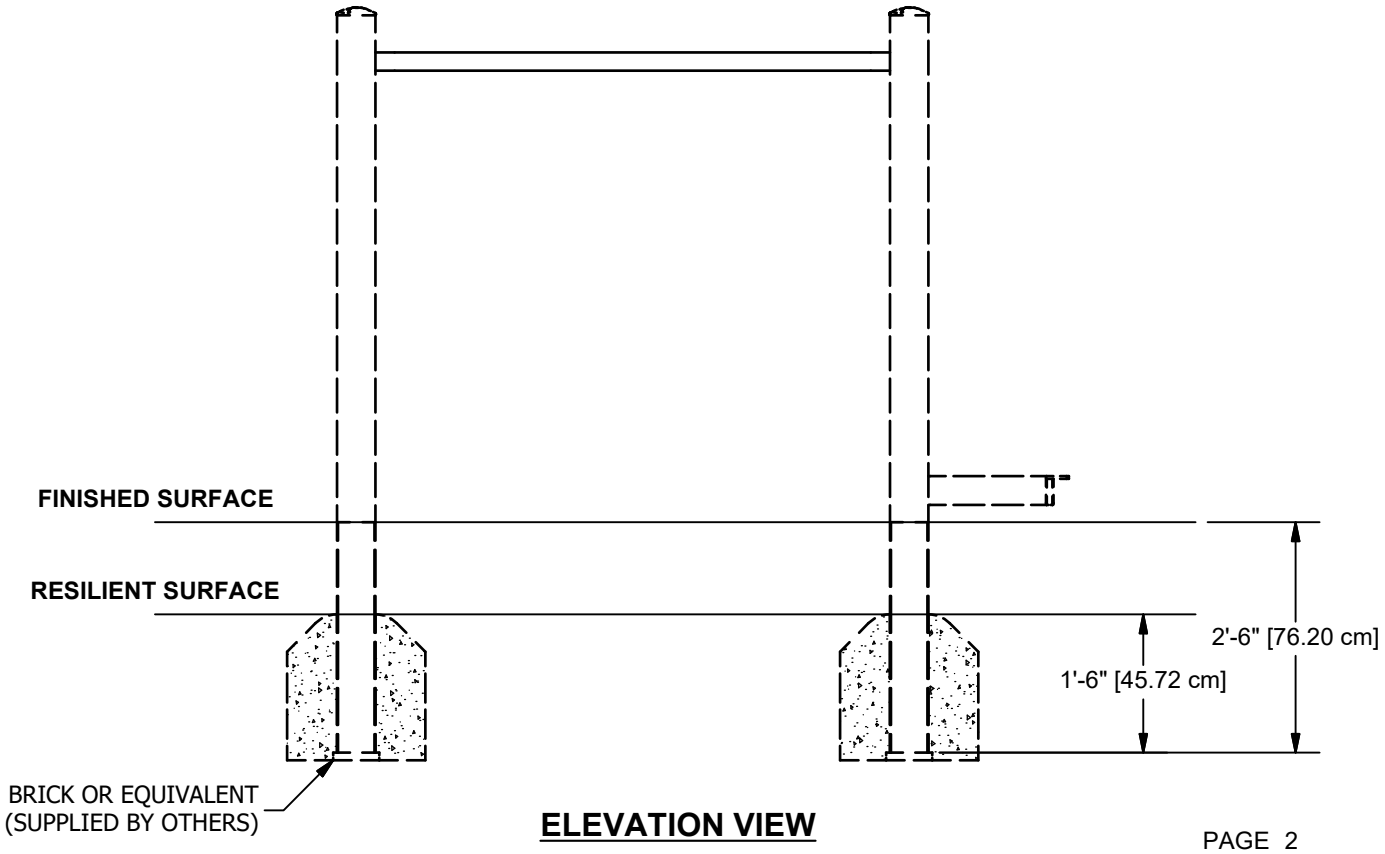



## PLAN VIEW

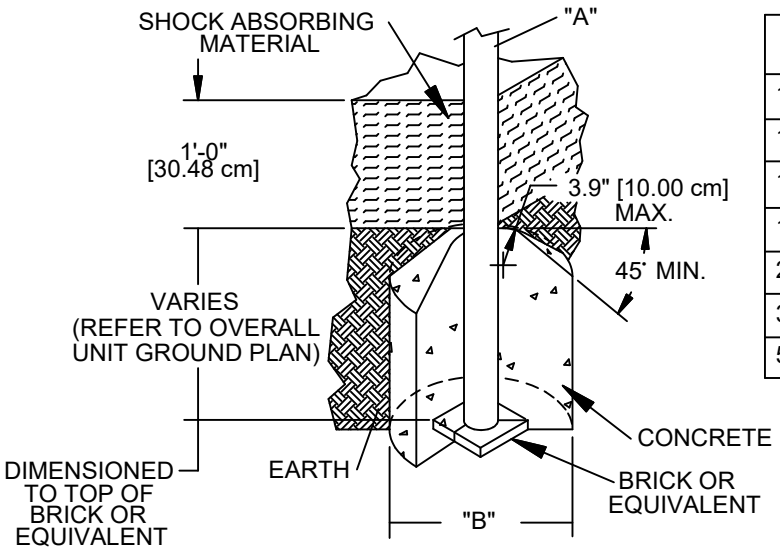
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.




## TOP VIEW




## ELEVATION VIEW

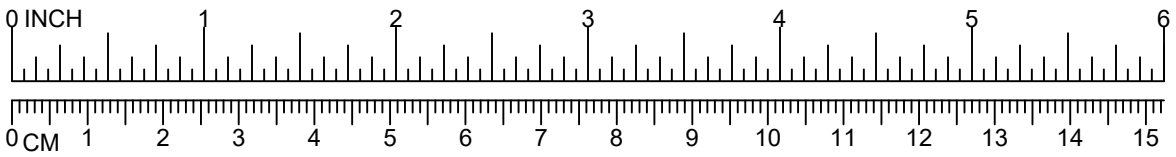


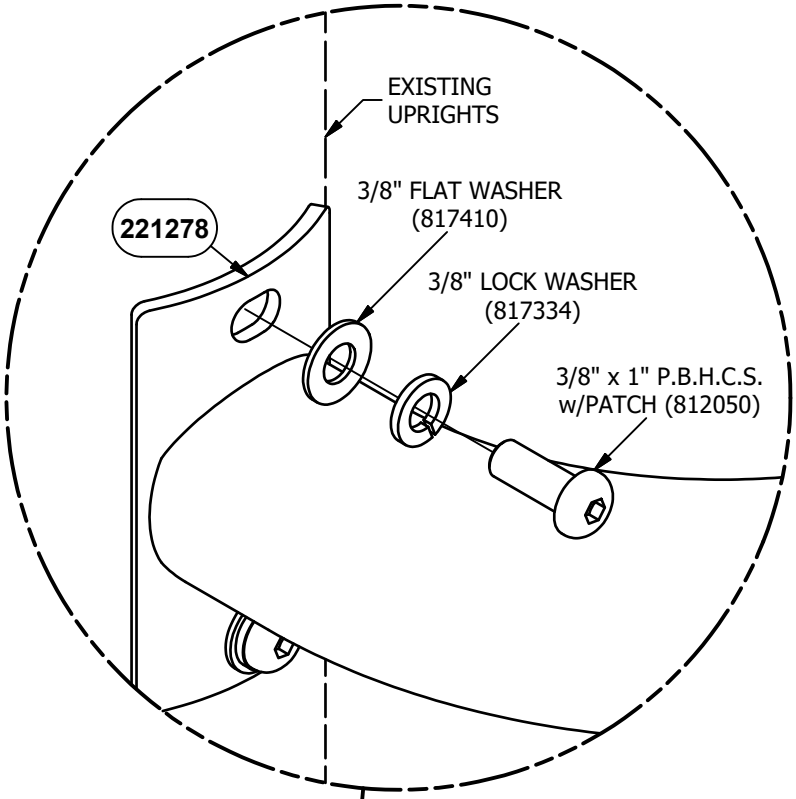

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72cm] |

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

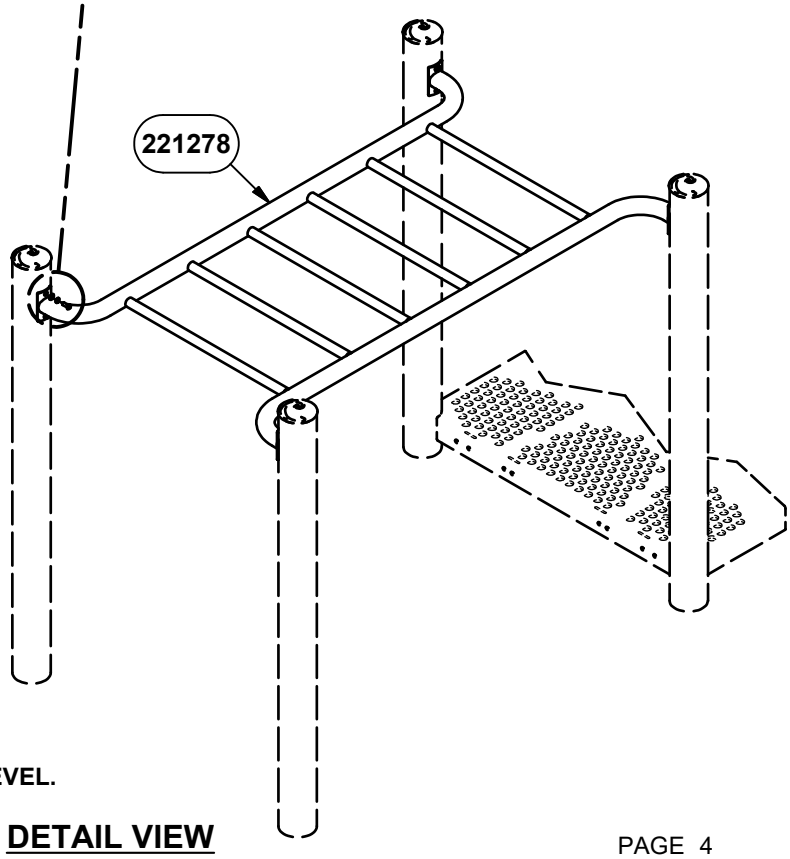
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

## FOOTING DETAIL




**STEP 1**
8 PLACES




**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| HORIZONTAL LADDER ASSEMBLY | 1 | 221278 |
| ***HARDWARE COMPLETE*** | 1 | 221280 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 812050* |
| 3/8" FLAT WASHER | 8 | 817410* |
| 3/8" LOCK WASHER | 8 | 817334* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

## ***MAINTENANCE PROCEDURE:***

- Periodically check hardware for tightness, and tighten as necessary.

- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.

- Check all metal parts for rust, paint loss and touch-up if necessary with paint.

- Check for welded areas and verify integrity.

- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.

- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

GameTime

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1-800-235-2440

ISSUED/REVISED: 2/3/2023

# 91805

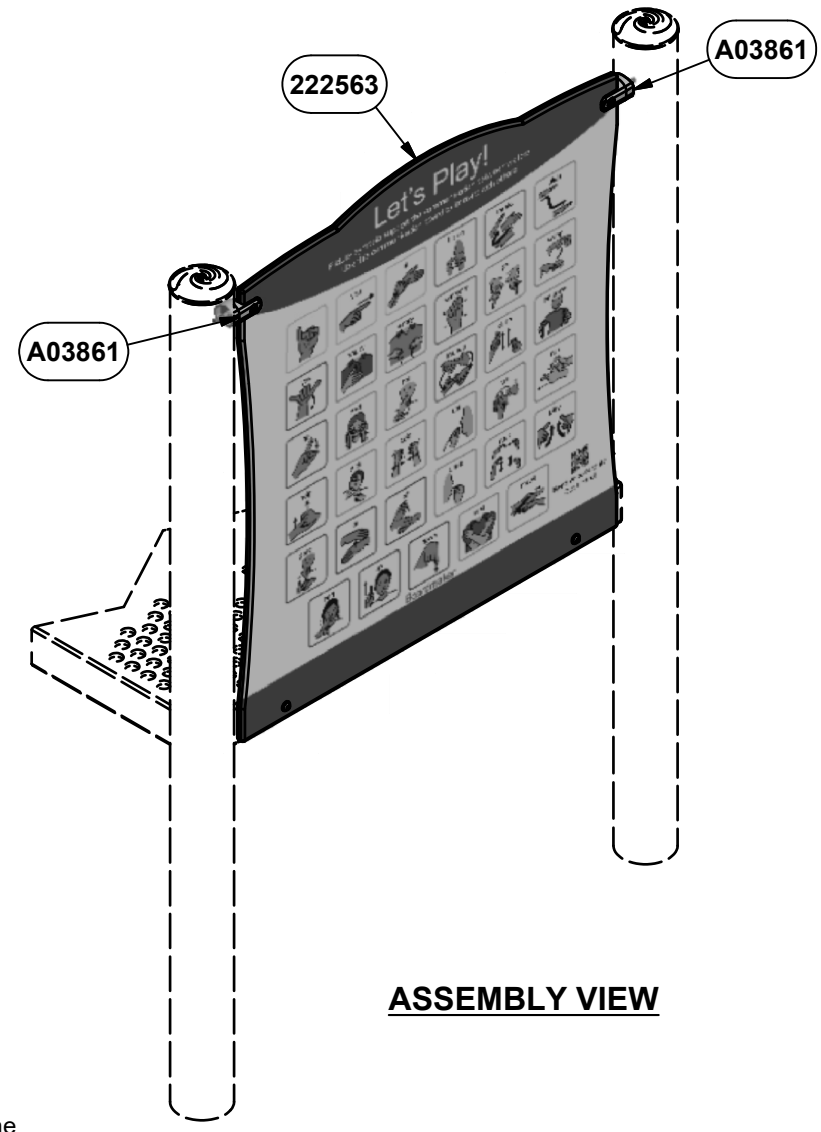
# COMMUNICATION PANEL




UP TO 5'-0" DECK HEIGHTS



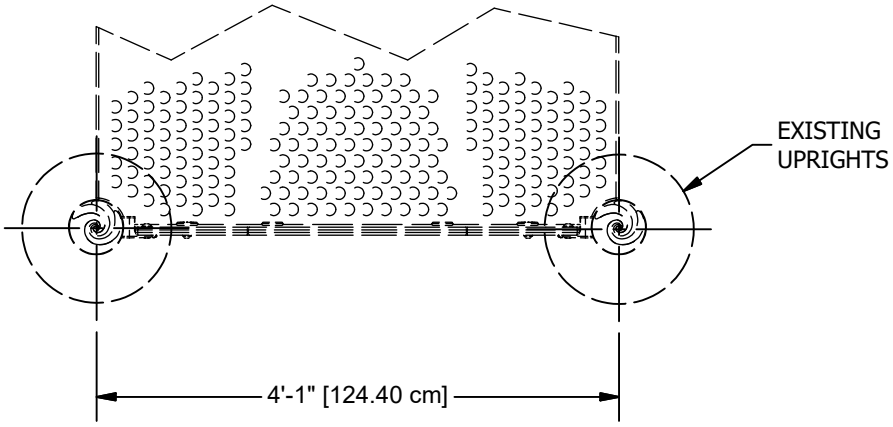

ALL DECK HEIGHTS



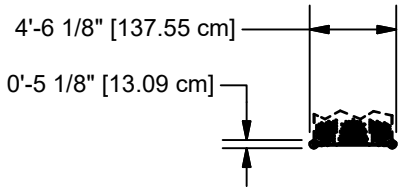

**ASSEMBLY VIEW**

## INSTALLATION INSTRUCTIONS

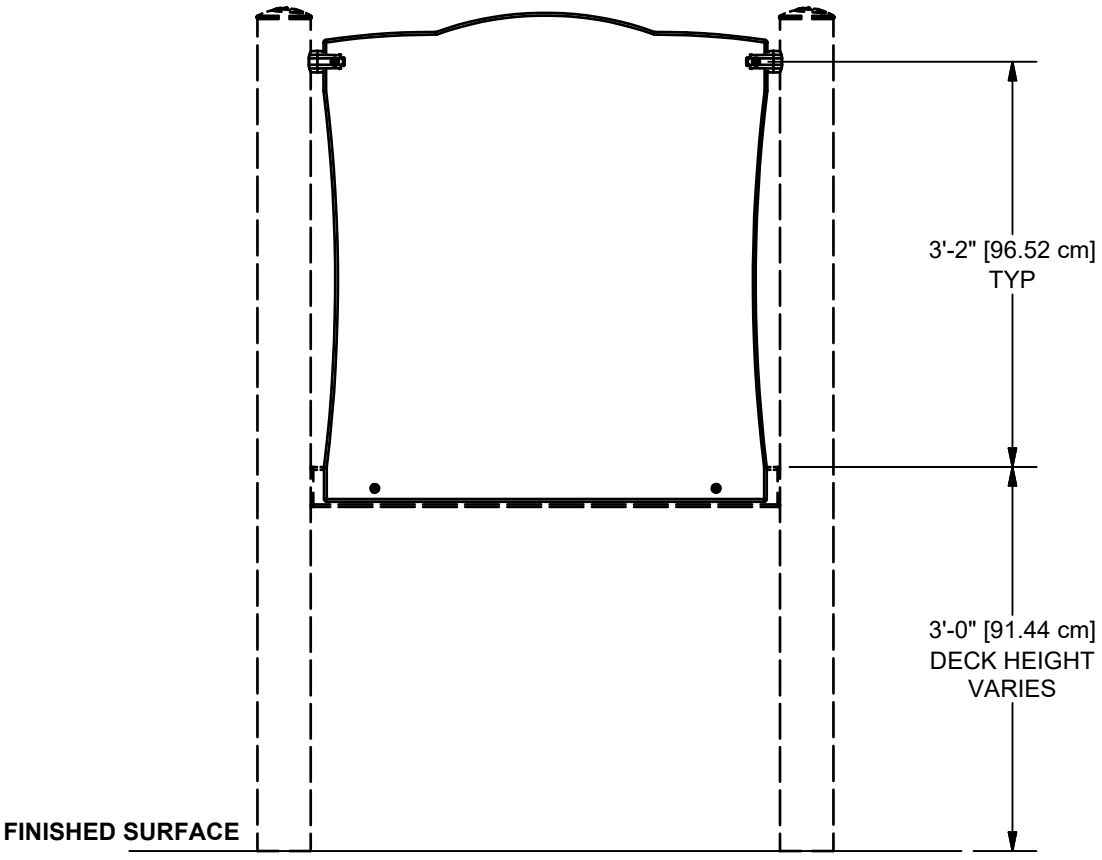
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
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**4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



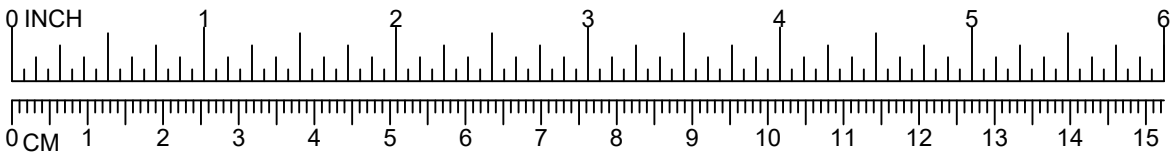

**PLAN VIEW**

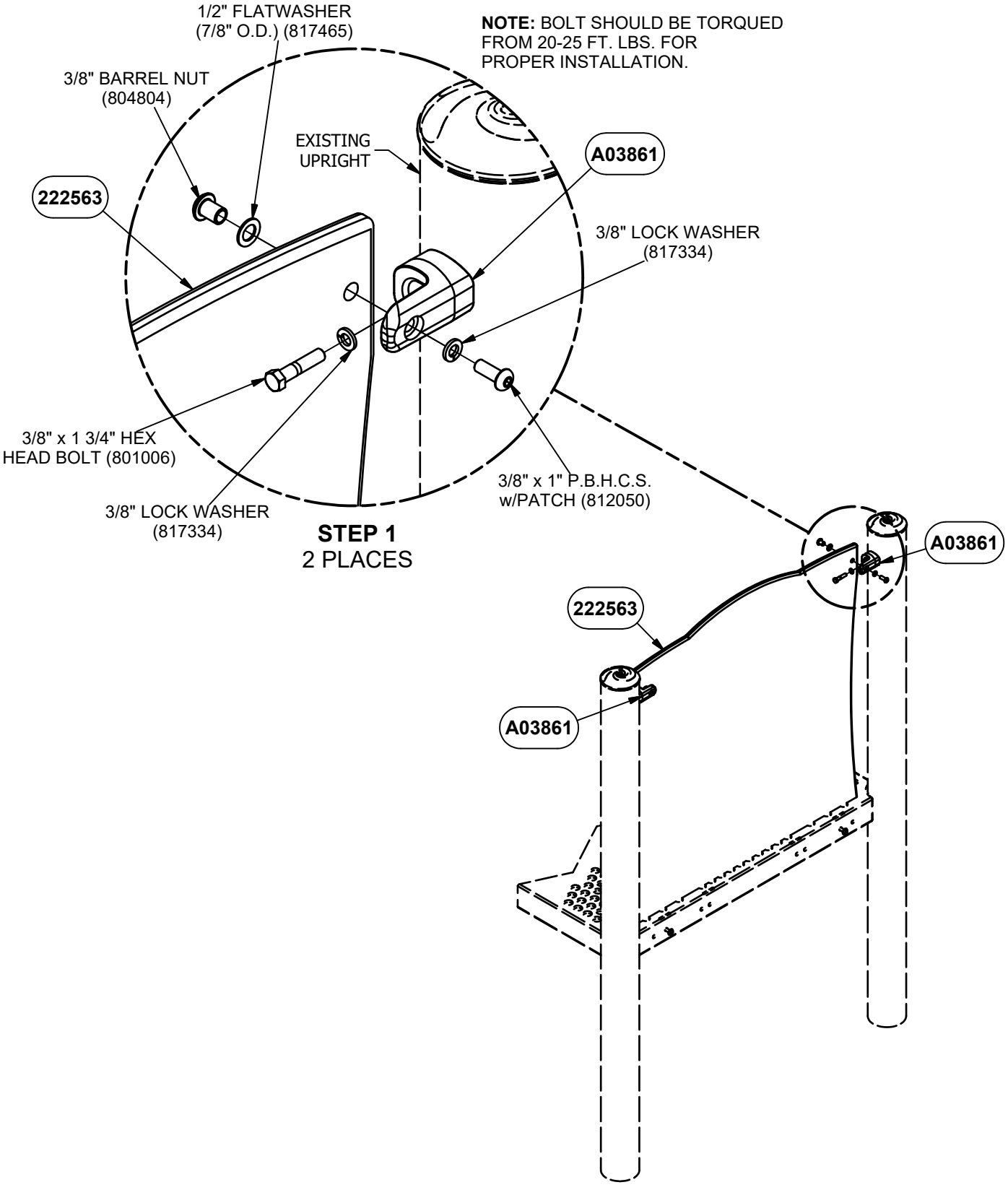



**TOP VIEW**




**ELEVATION VIEW**



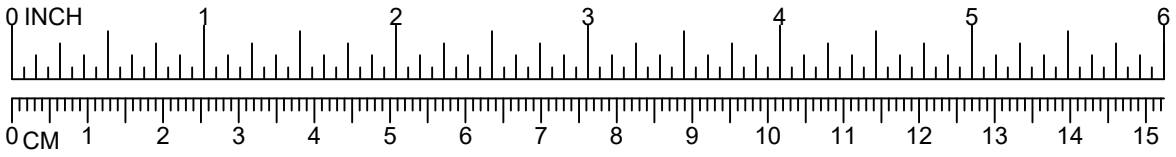



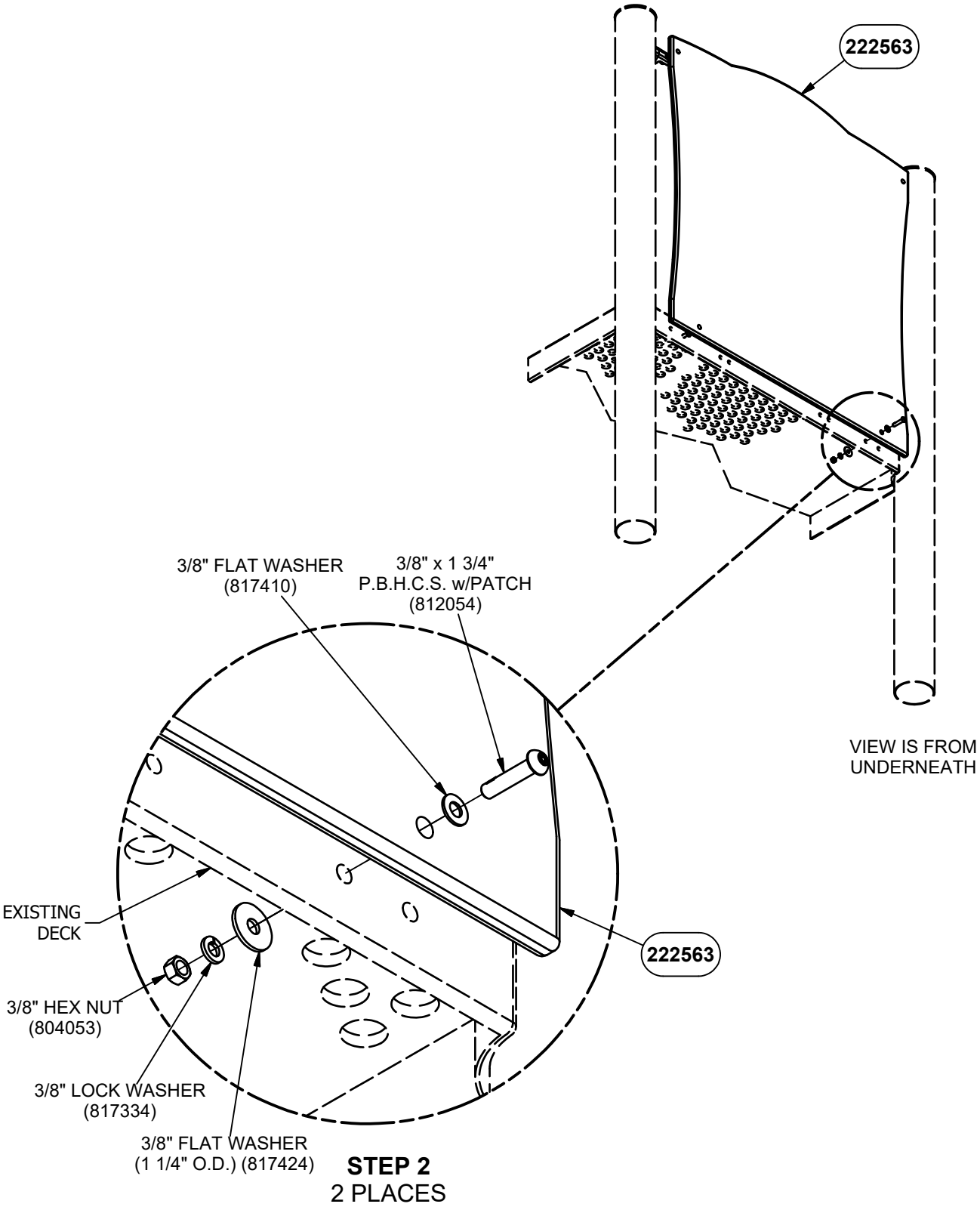

**NOTE:** BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

**STEP 1**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW




**STEP 2**
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

## DETAIL VIEW

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| COMMUNICATION PANEL ABOVE DECK | 1 | 222563 |
| TRU-LOC PANEL ATTACHMENT | 2 | A03861 |
| ***HARDWARE COMPLETE*** | 1 | 222566 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 812050* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| 3/8" x 1 3/4" HEX HEAD BOLT | 2 | 801006* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 817424* |
| 3/8" FLAT WASHER | 2 | 817410* |
| 3/8" LOCK WASHER | 6 | 817334* |
| 3/8" BARREL NUT | 2 | 804804* |
| 3/8" HEX NUT | 2 | 804053* |
| 1/2" FLATWASHER (7/8" O.D.) | 2 | 817465* |

*Unless Otherwise Specified, All Units of Measure are Each*
** Included in Hardware*

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**To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.**

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# Gas Station with 2 Pumps

NRO513



| Item no. NRO513-1021 | |
|---|---|
| **General Product Information** | |
| Dimensions LxWxH | 6'7"x2'8"x7'3" |
| Age group | 2 - 5 |
| Play capacity (users) | 2 |
| Color options | |






This Gas station with Two Pumps is great for any tricycle or transportation track. Children love to role play around the themes of driving and traffic, and this provides great imaginative support for the child. This unit will add attraction and play time. The pumps are elaborate with a rubber tube and red, green, and yellow buttons for choosing the right octane strength. The variety of materials stimulates the fine motor skills and tactile sense, especially for the youngest players. The dramatic play around traffic and gas stations stimulates the child's language development in evoking storytelling and imagination.



*Data is subject to change without prior notice.*

# Gas Station with 2 Pumps

NRO513



**Theme**
**Cognitive:** suggests a theme and supports dramatic play, which stimulates language and communication skills.





**Two pumps**
**Social-Emotional:** the two pumps invite cooperation and co-creation, on and between both sides. The transparency makes interaction possible between the two sides.



**Fuel handle**
**Social-Emotional:** cooperation skills and turn-taking are supported when fueling vehicles for friends. **Cognitive:** dramatic play stimulates language development.



*Data is subject to change without prior notice.*

# Gas Station with 2 Pumps

NRO513



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



The paint used for coloured components is water based environmentally friendly with excellent UV resistance. The paint is in compliance with EN 71 Part 3.



Ropes are made of UV-stabilized PA with inner steel cable reinforcement. The rope is induction treated in order to create a strong connection between steel and rope which leads to good wear resistance.



Robinia products are available in three different wood treatment options: Untreated Robinia wood or brown painted with a pigment that maintains the wood color and colored version with paint of selected components.

Item no. NRO513-1021

| Installation Information | |
|---|---|
| Max. fall height | 0'0" |
| Safety surfacing area | 0ft² |
| Total installation time | 4.2 |
| Excavation volume | 0.52yd³ |
| Concrete volume | 0yd³ |
| Footing depth (standard) | 3'3" |
| Shipment weight | 558lbs |
| Anchoring options | In-ground ✔ |

| Warranty Information | |
|---|---|
| Robinia Wood | 10 Years |
| Spare Parts Availability | 10 Years |
| Stainless steel components | Lifetime |

| Elevated activities **0** | Accessible elevated activities | Accessible ground level activities | Accessible ground level play types |
|---|---|---|---|
| Present | **0** | **1** | **1** |
| Required | **0** | **1** | **1** |



*Data is subject to change without prior notice.*

# Sustainability Data

NRO513



| Cradle to Gate A1-A3 | Total $CO_2$ emission | $CO_2e$/kg | Recycled materials |
|---|---|---|---|
| | kg $CO_2e$ | kg $CO_2e$/kg | % |
| **NRO513-1021** | 43.37 | 0.20 | 1.32 |

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

**Kompan A/S**
C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark

Validation of $CO_2$ calculation method
**BUREAU VERITAS**
**HSE Denmark A/S**

## Verification of $CO_2$ calculation of: Nature play



Data version no. 2023-10-05

The $CO_2$ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

**Date: 30. October 2023 | Valid until: 30. October 2025**
**Verified by:**

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of $CO_2$ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

**Publication date: 30. October 2023**

**By Bureau Veritas HSE**
www.bureauveritas.dk
+45 7731 1000

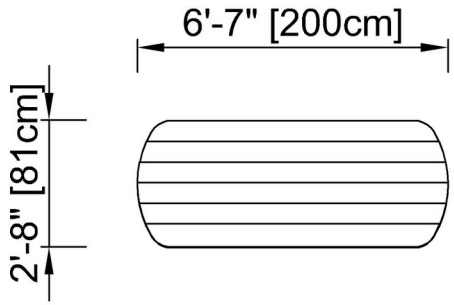


*Data is subject to change without prior notice.*

# Gas Station with 2 Pumps

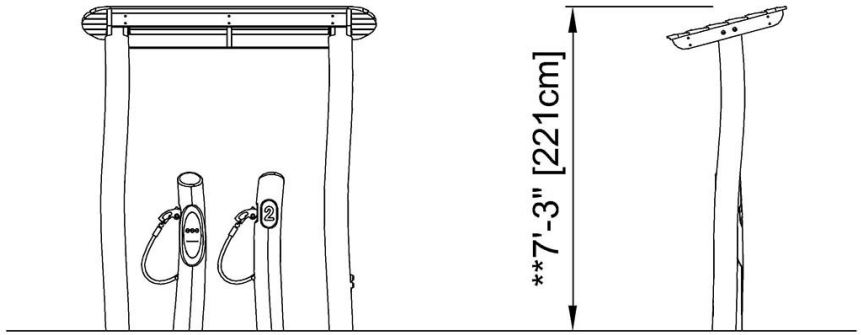
NRO513

* Max fall height | ** Total height | *** Safety surfacing area




NRO513
**7'-3" / 221cm

* Max fall height | ** Total height



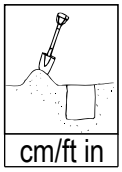

NRO513

Click to see TOP VIEW

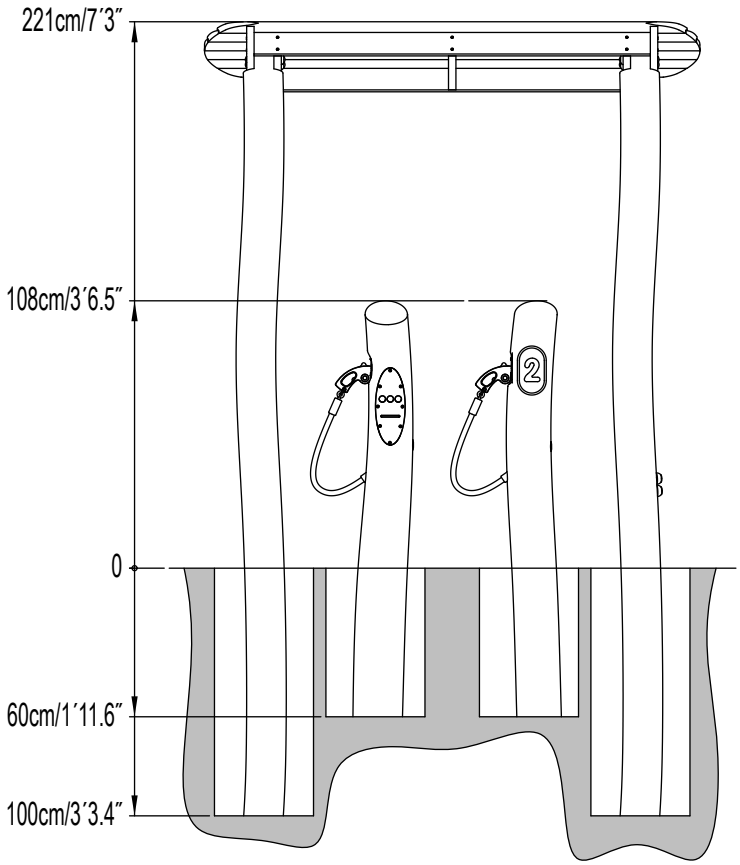
Click to see SIDE VIEW

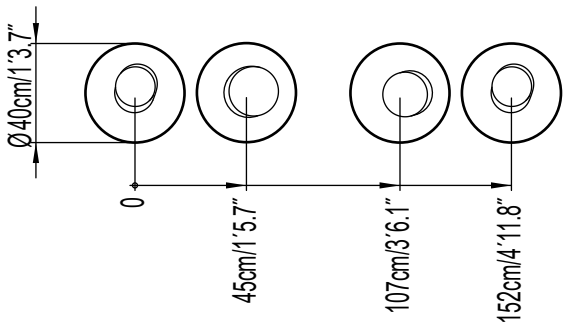


*Data is subject to change without prior notice.*




# NRO513-1001/FSC
# NRO513-1011/FSC
# NRO513-1021
# NRO513-1031




VNRO513 20150924 PetrJu

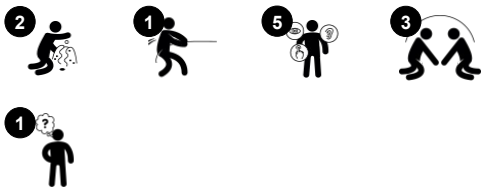
Copyright©KOMPAN A/S

# Oasis Sand Hut with Two Tables

NRO526



| Item no. NRO526-1021 | |
|---|---|
| **General Product Information** | |
| Dimensions LxWxH | 5'11"x6'5"x8'2" |
| Age group | 2 - 5 |
| Play capacity (users) | 5 |
| Color options | |





This Oasis sand hut with two tables is a great play motivator that will make many children absorbed in play again and again. It can be played from all sides and allows for interaction from the inside-out and vice versa. This makes it a universally designed unit that can be used by all ages and abilities. The two desks and the sand scoop are great for exchanging, or merely for storing stuff or supporting sand play. The theme of the house will inspire dramatic play. Dramatic play is great language stimulation and develops children's cognitive skills. The social nature of the play house will accommodate bigger groups of children playing. The layout allows for eye contact throughout the unit, supporting communication and cooperation, both fundamental for social-emotional development of children.



*Data is subject to change without prior notice.*

# Oasis Sand Hut with Two Tables

NRO526



**Sand shovel**
**Physical:** develops dexterity and upper body muscles. **Cognitive:** understanding of object permanence, emptying and filling scoop.





**Side desk**
**Social-Emotional:** fine meeting place and a space creator. Sharing and cooperation from both sides create a social scenario that supports communication and cooperation.



**Splash basin with plug**
**Social-Emotional:** meeting point for cooperation and sharing. Develops turn-taking and cooperation. **Cognitive:** logical thinking and understanding of cause and effect are trained when children stop or let go of water from the basin. **Creative:** the water plug makes changing water levels possible, which adds to logical thinking skills.



*Data is subject to change without prior notice.*

# Oasis Sand Hut with Two Tables

NRO526



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



The paint used for coloured components is water based environmentally friendly with excellent UV resistance. The paint is in compliance with EN 71 Part 3.



The Robinia products are designed with a KOMPAN color concept with a number of different standard colors. The wood can also be supplied as untreated or with brown painted with a pigment that maintains the wood color.



The product/activities are preassembled from the factory to ensure all safety requirements are considered.

Item no. NRO526-1021

| Installation Information | |
|---|---|
| Max. fall height | 0'0" |
| Safety surfacing area | 0ft² |
| Total installation time | 7.2 |
| Excavation volume | 0.59yd³ |
| Concrete volume | 0yd³ |
| Footing depth (standard) | 3'3" |
| Shipment weight | 855lbs |
| Anchoring options | In-ground ✔ |

| Warranty Information | |
|---|---|
| Robinia Wood | 10 Years |
| Ropes & nets | 10 Years |
| Spare Parts Availability | 10 Years |
| Stainless steel components | Lifetime |
| Stainless steel components | Lifetime |

| Elevated activities **0** | Accessible elevated activities | Accessible ground level activities | Accessible ground level play types |
|---|---|---|---|
| Present | **0** | **1** | **1** |
| Required | **0** | **1** | **1** |



*Data is subject to change without prior notice.*

# Sustainability Data

NRO526



| Cradle to Gate A1-A3 | Total $CO_2$ emission | $CO_2e$/kg | Recycled materials |
|---|---|---|---|
| | kg $CO_2e$ | kg $CO_2e$/kg | % |
| **NRO526-1021** | 137.53 | 0.41 | 3.99 |

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

**Kompan A/S**
C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark

Validation of $CO_2$ calculation method
**BUREAU VERITAS**
**HSE Denmark A/S**

## Verification of $CO_2$ calculation of: Nature play



Data version no. 2023-10-05

The $CO_2$ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

**Date: 30. October 2023 | Valid until: 30. October 2025**
**Verified by:**

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of $CO_2$ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

**Publication date: 30. October 2023**

**By Bureau Veritas HSE**
www.bureauveritas.dk
+45 7731 1000

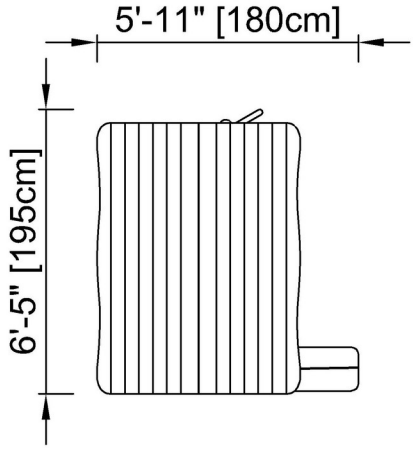


*Data is subject to change without prior notice.*

# Oasis Sand Hut with Two Tables

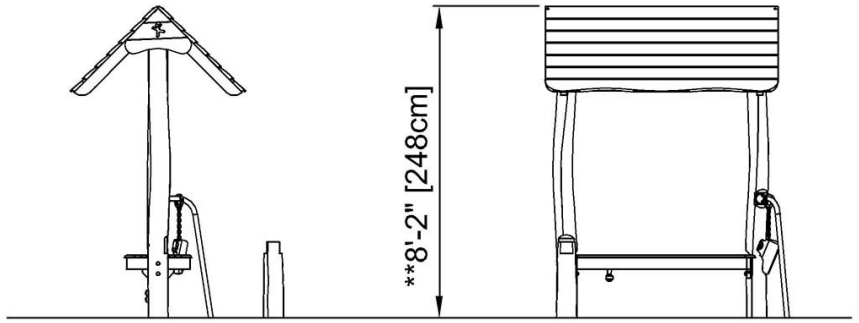
NRO526

* Max fall height | ** Total height | *** Safety surfacing area




NRO526
** 8'-2" / 248cm

* Max fall height | ** Total height



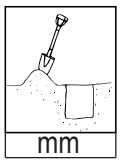

NRO526

Click to see TOP VIEW

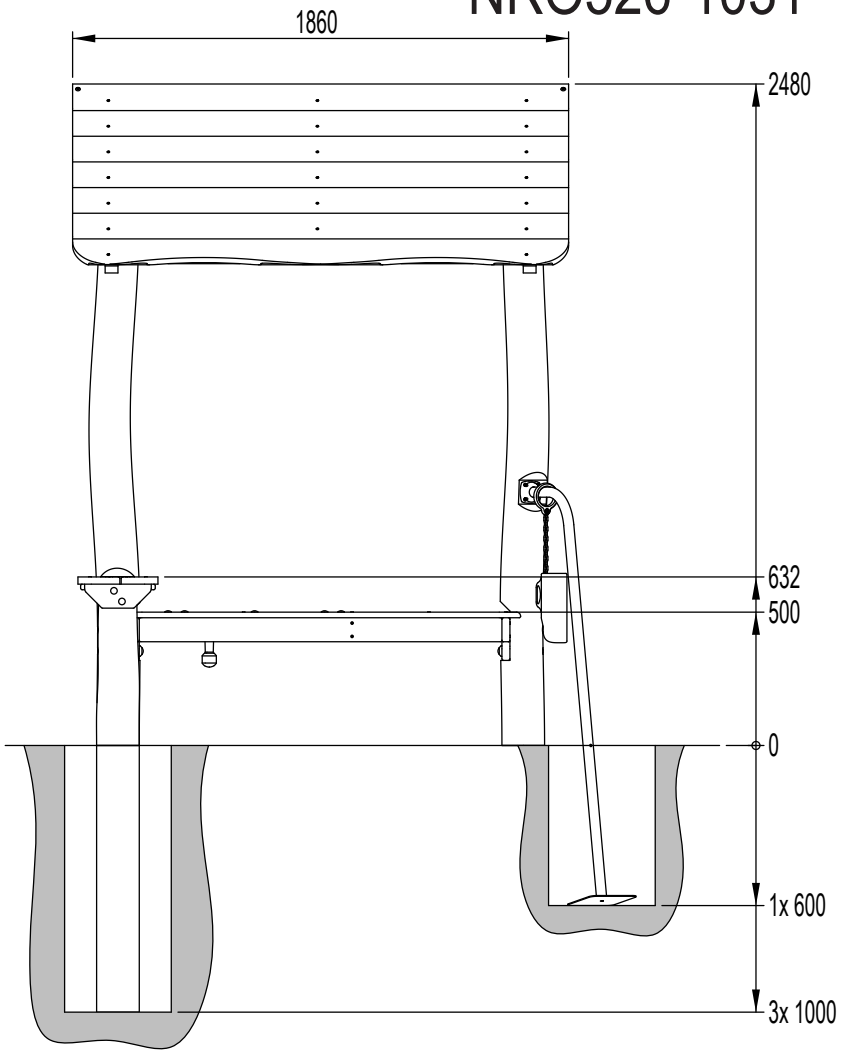
Click to see SIDE VIEW

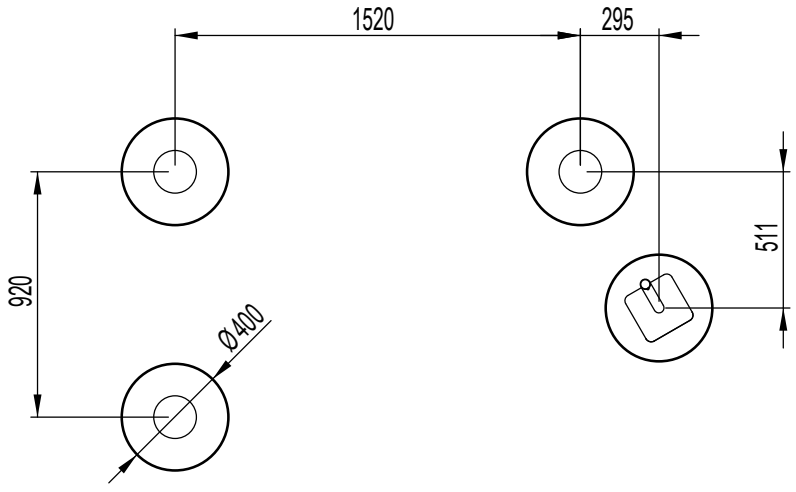


*Data is subject to change without prior notice.*




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# NRO526-1011
# NRO526-1021/FSC
# NRO526-1031



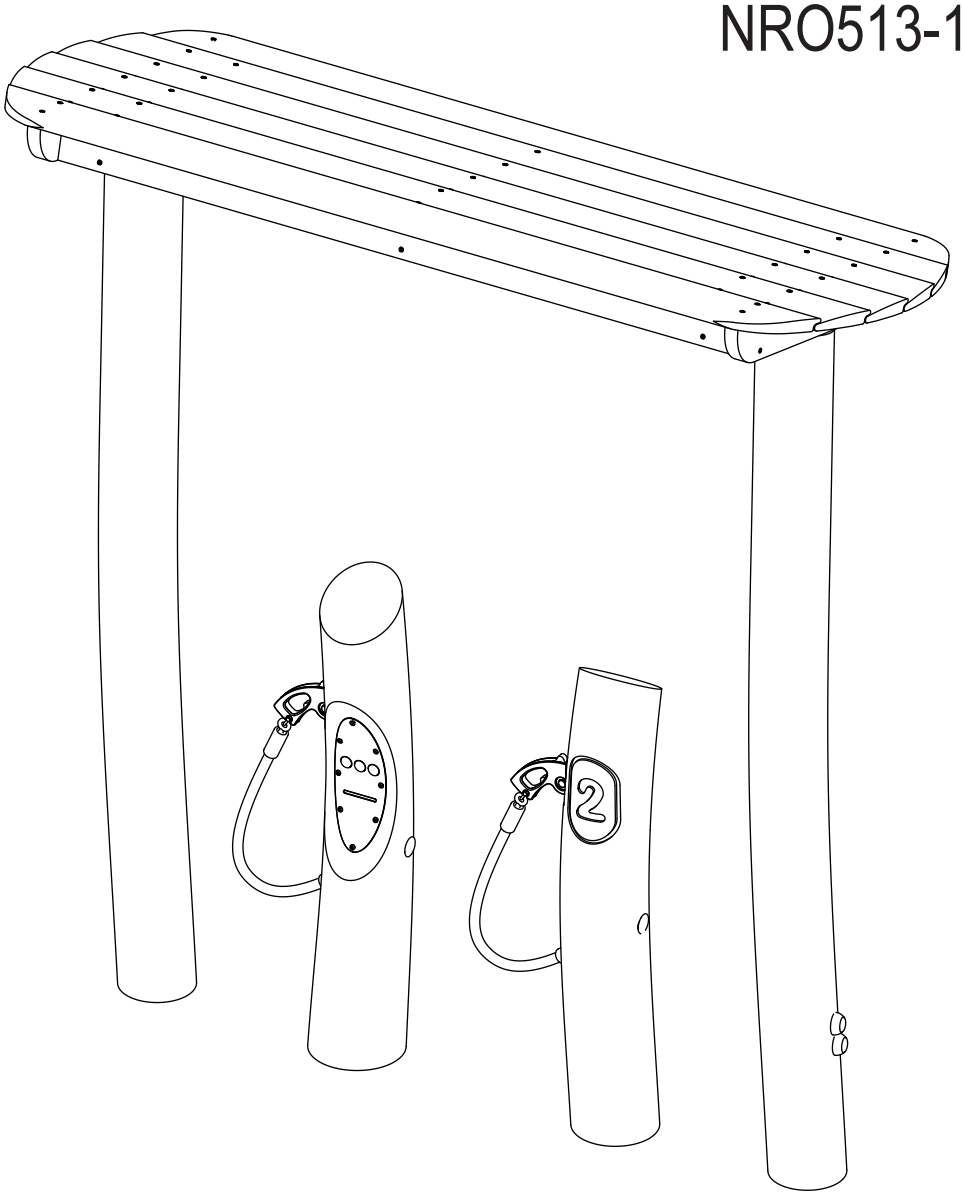




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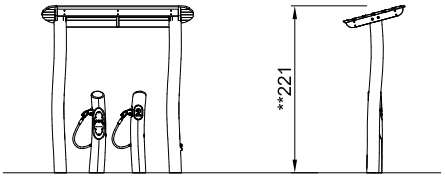
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# NRO513-1011/FSC
# NRO513-1012
# NRO513-1021
# NRO513-1031
# NRO513-1032



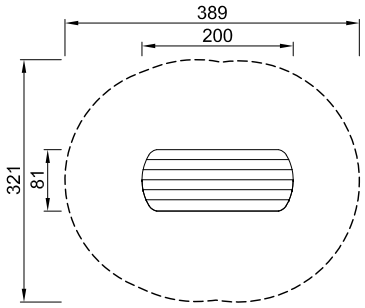

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Safety zone in accordance with EN 1176/AS4685
Sicherheitsabstand gemäß EN 1176/AS4685
Espace d'évolution selon EN 1176/AS4685
Zona de seguridad según EN 1176/AS4685
Distanze di sicurezza in conformità con lo standard EN 1176/AS4685
Veiligheidsgebied in overeenstemming met EN 1176/AS4685
Säkerhetsområde enl EN 1176/AS4685
Sikkerhedsareal iht. EN 1176/AS4685
Зона безопасности в соответствии с EN 1176/AS4685
EN1176/AS4685-normin mukainen turva-alue




NRO513
1:100




NRO513
**221cm
***10.1m²
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mått är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeessa mainitut mitat ovat senttimetrejä.

Please note: The safety zone shown on this drawing is in accordance with EN 1176/AS4685. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176/AS4685. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à EN 1176/AS4685. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con EN 1176/AS4685. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176/AS4685. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176/AS4685. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer EN 1176/AS4685. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176/AS4685. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с EN 1176/AS4685. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

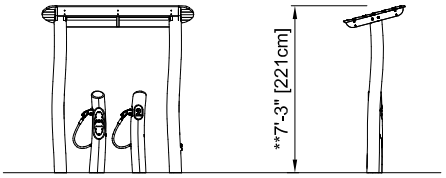
Huom: Tämän piirustuksen turva-alue on EN1176/AS4685-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

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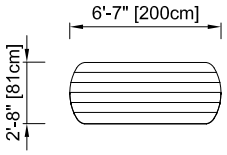
VNRO513 20150924 PetrJu

Safety zone in accordance with ASTM 1487
Sicherheitsabstand gemäß ASTM 1487
Espace d'évolution selon ASTM 1487
Zona de seguridad según ASTM 1487
Distanze di sicurezza in conformità con lo standard ASTM 1487
Veiligheidsgebied in overeenstemming met ASTM 1487
Säkerhetsområde enl ASTM 1487
Sikkerhedsareal iht. ASTM 1487
Зона безопасности в соответствии с ASTM 1487
ASTM 1487-normin mukainen turva-alue




NRO513
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus




NRO513
**7'-3" / 221cm
1/8" = 1'-0"

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

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N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer ASTM 1487. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487. I nogle lande kan der være krav  om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

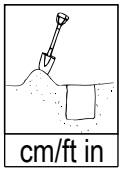
Внимание: Зона безопасности указана в соответствии с ASTM 1487. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

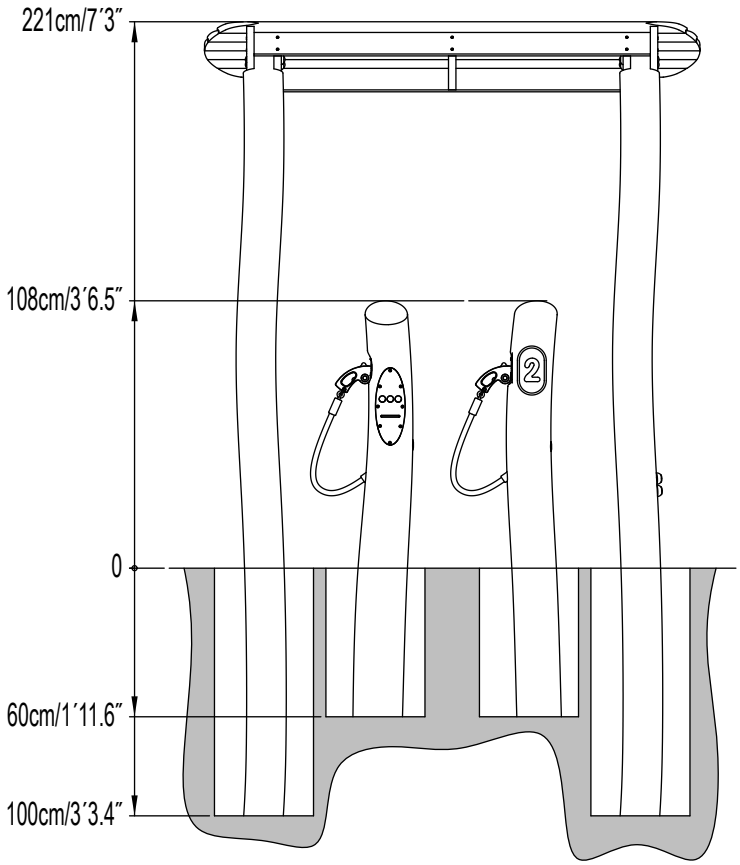
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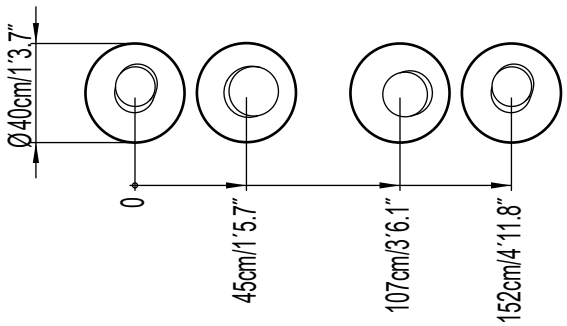


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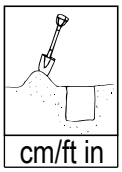

# NRO513-1001/FSC
# NRO513-1011/FSC
# NRO513-1021
# NRO513-1031



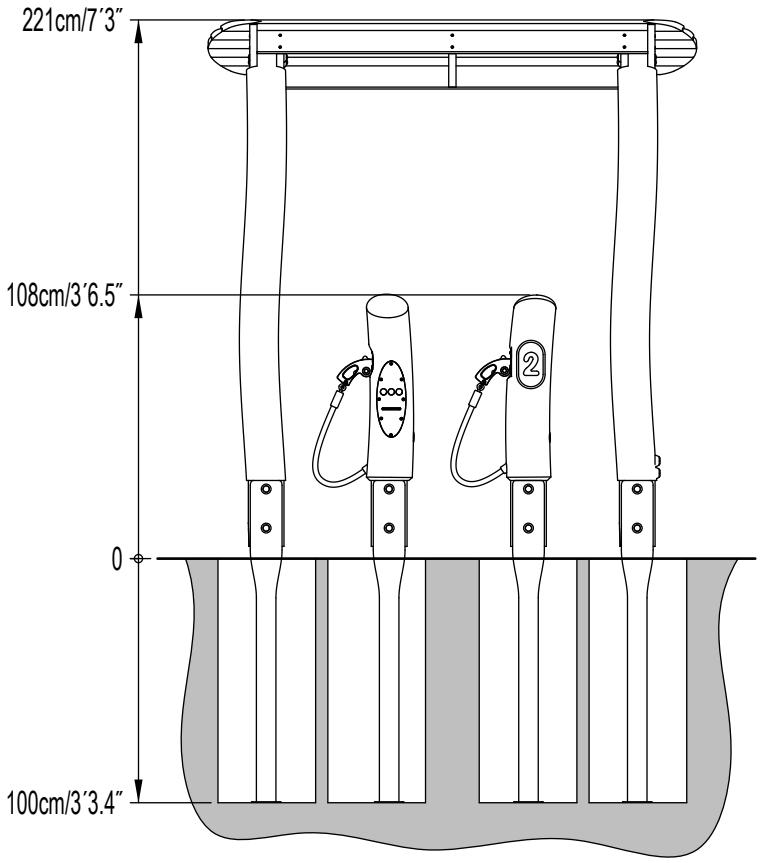



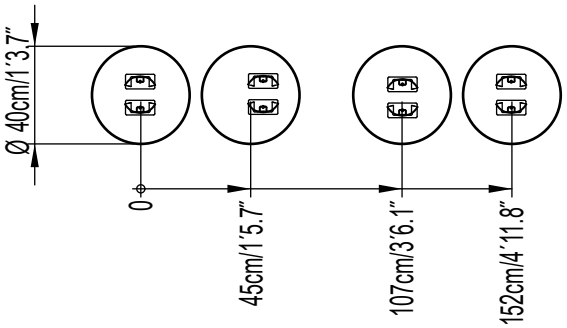

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# NRO513-1012
# NRO513-1032




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A



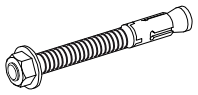
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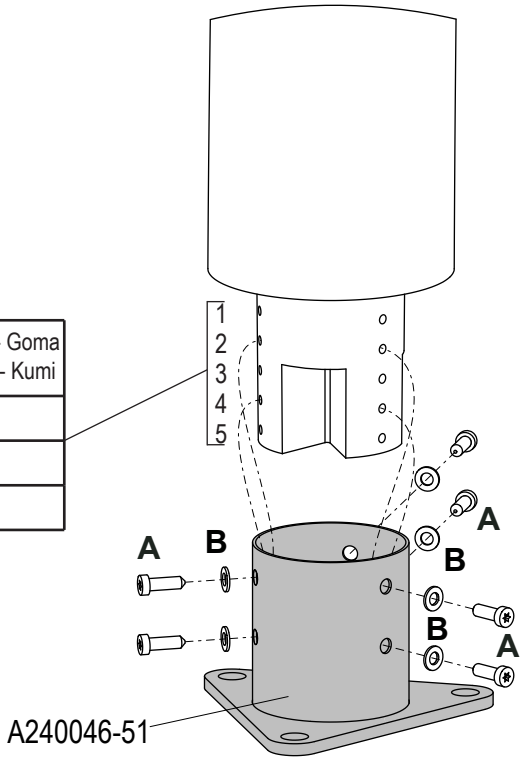
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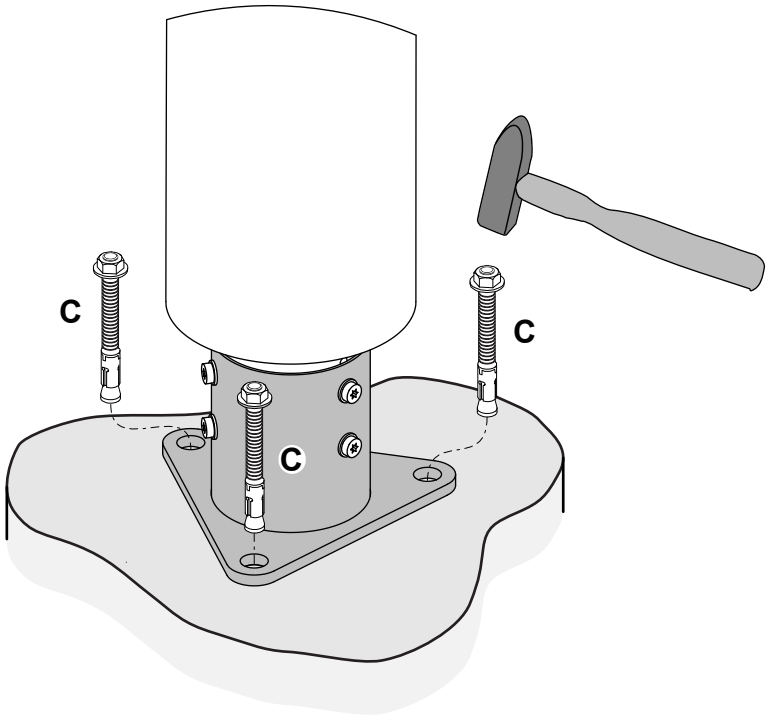


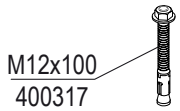
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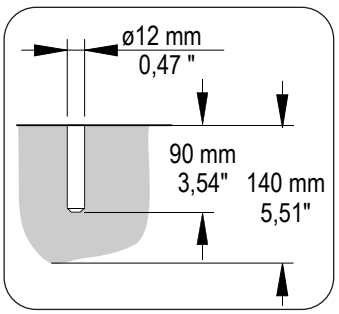
| Rubber - Sol couté - Gummi - Goma<br>Borracha - Gomma - Резина - Kumi | |
|---|---|
| 35mm [1.4″] | 1,3 |
| 55mm [2.2″] | 2,4 |
| 75mm [3″] | 3,5 |



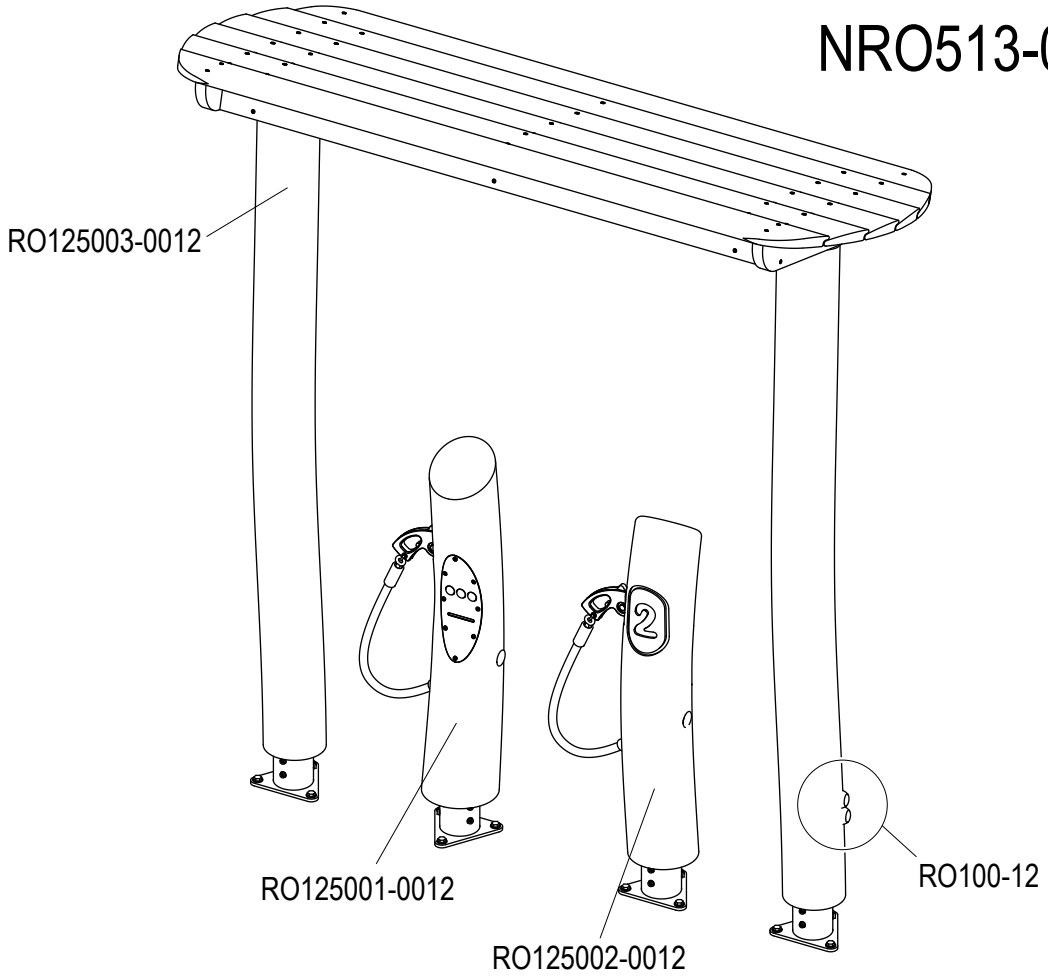

400317 - 12 mm:



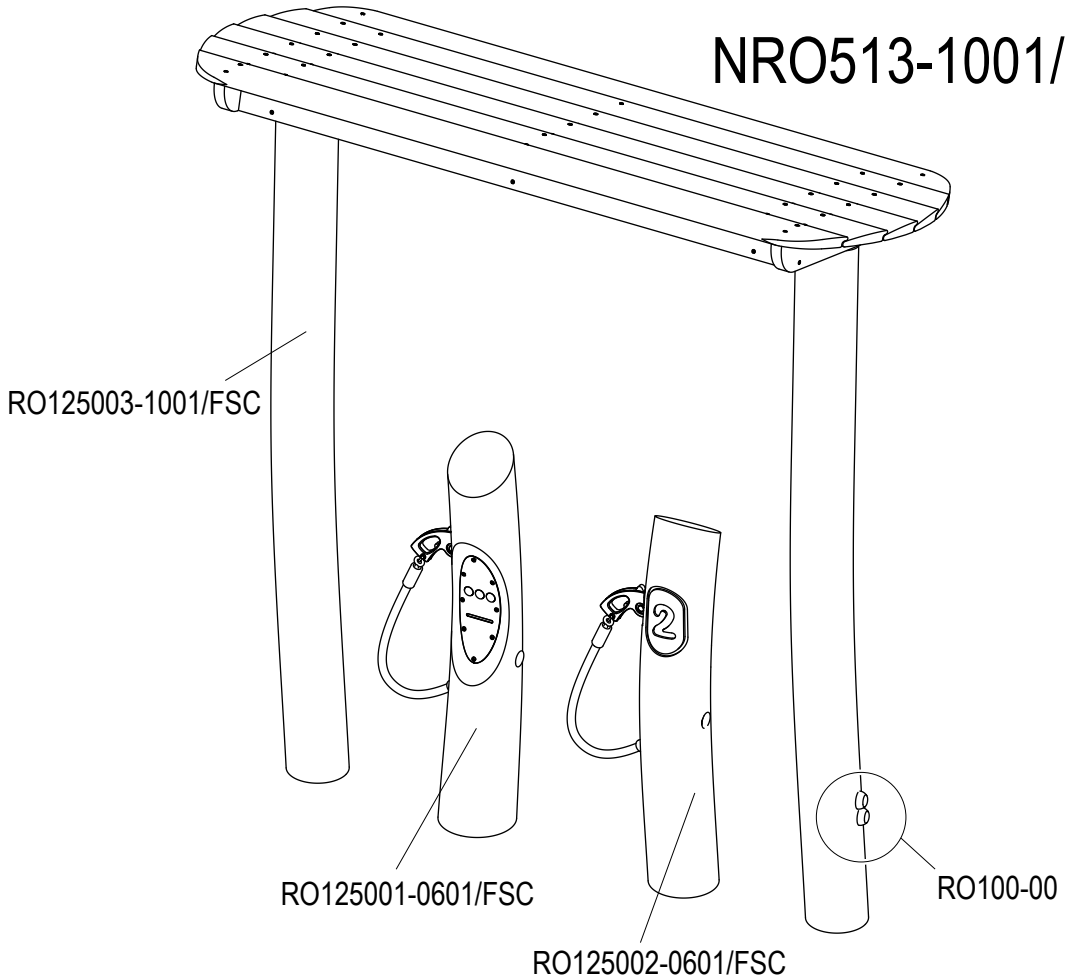

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# NRO513-0012



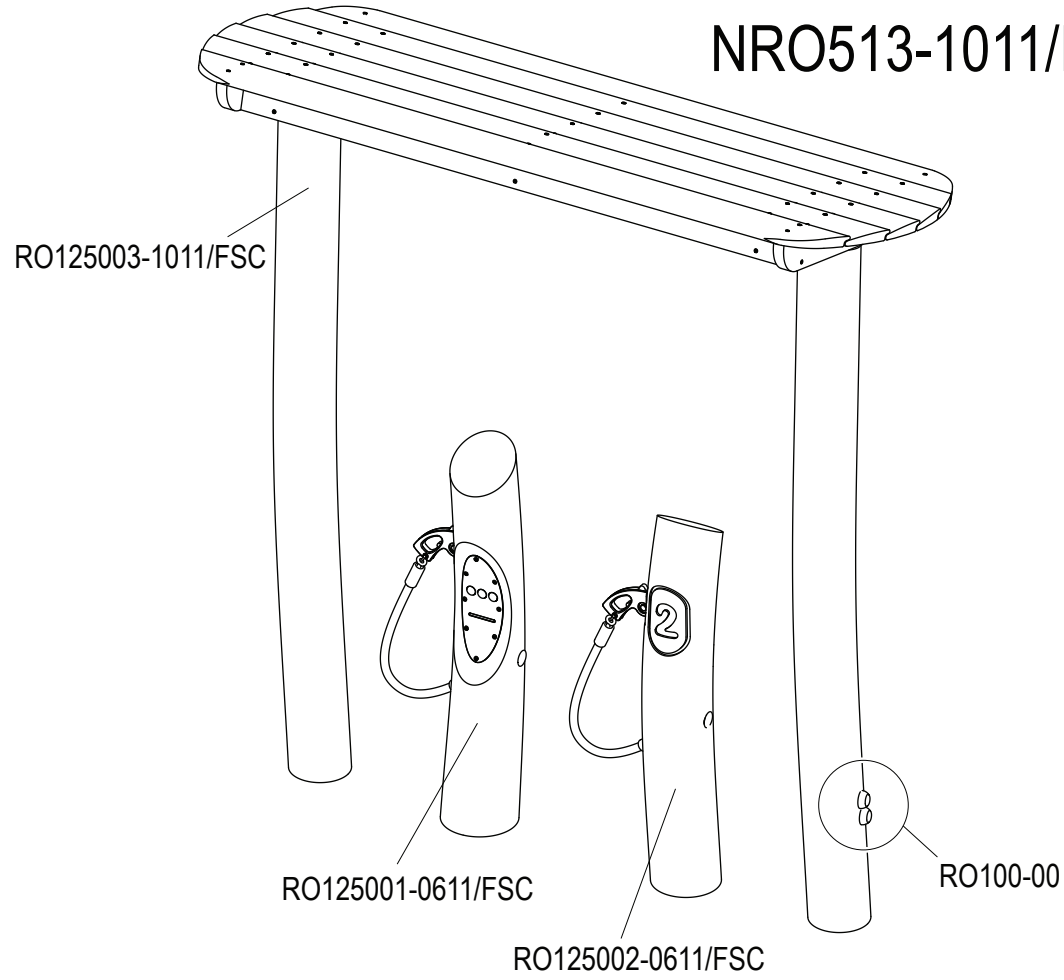

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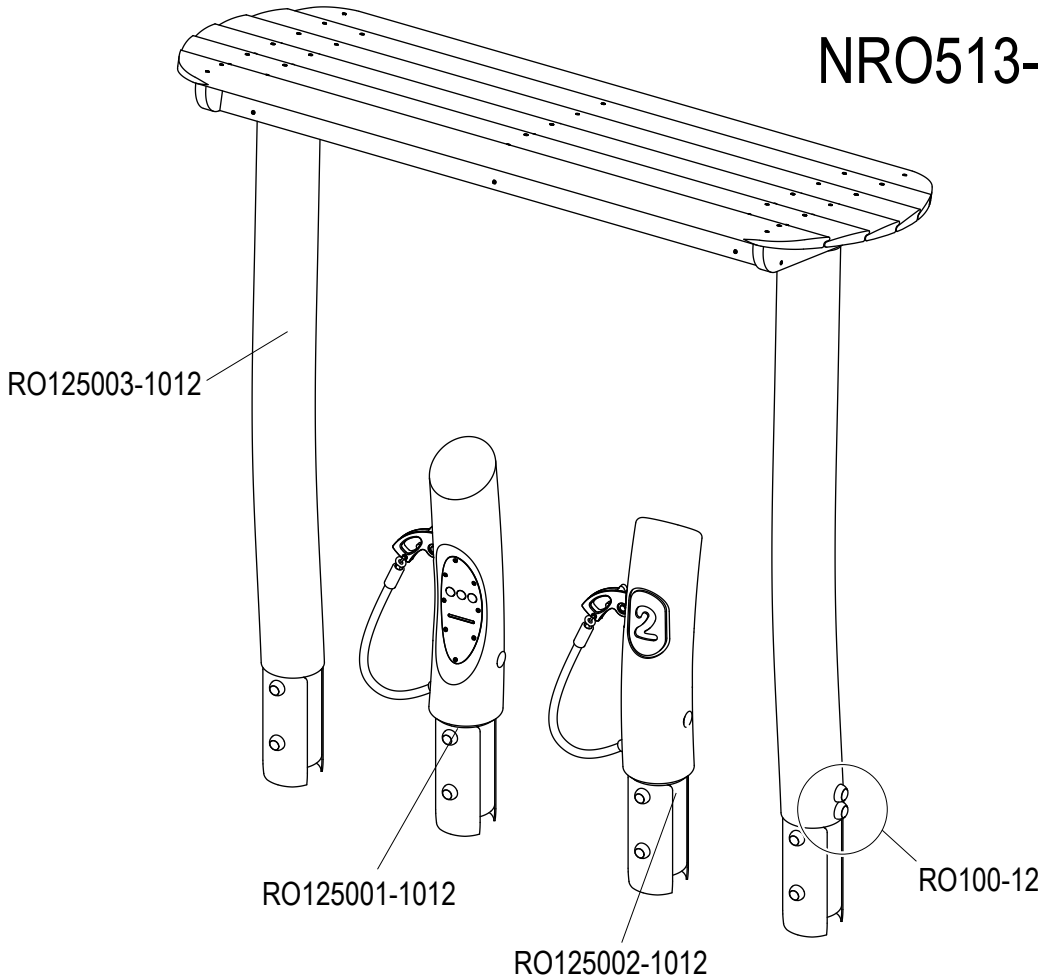

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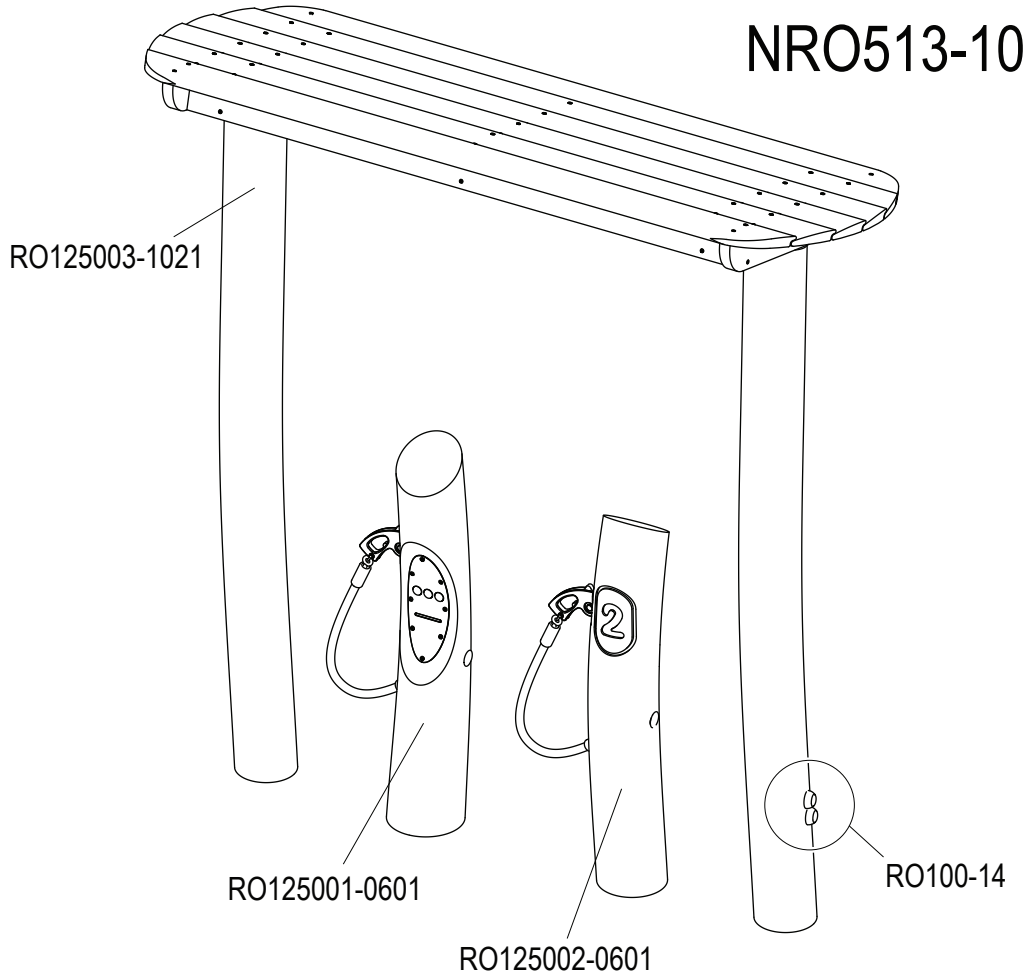

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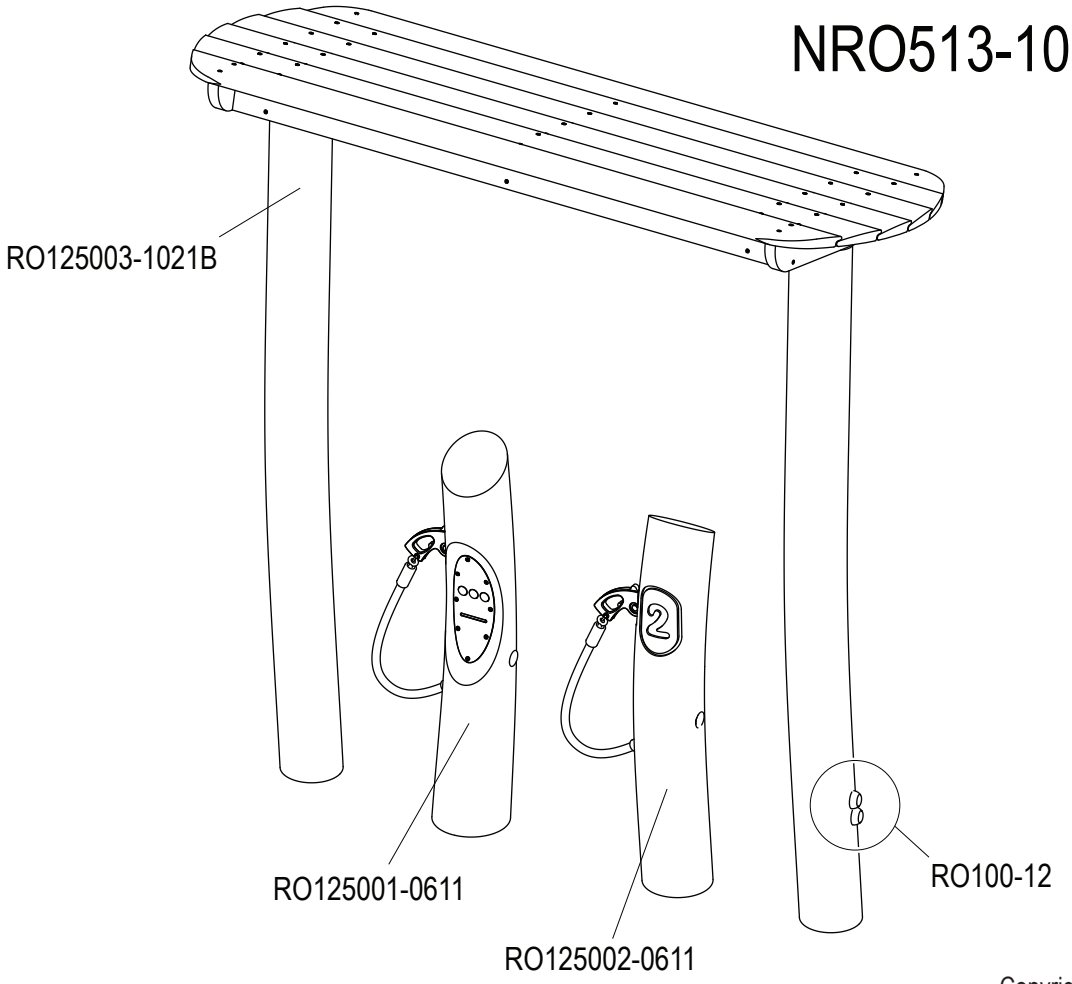

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# NRO513-1021



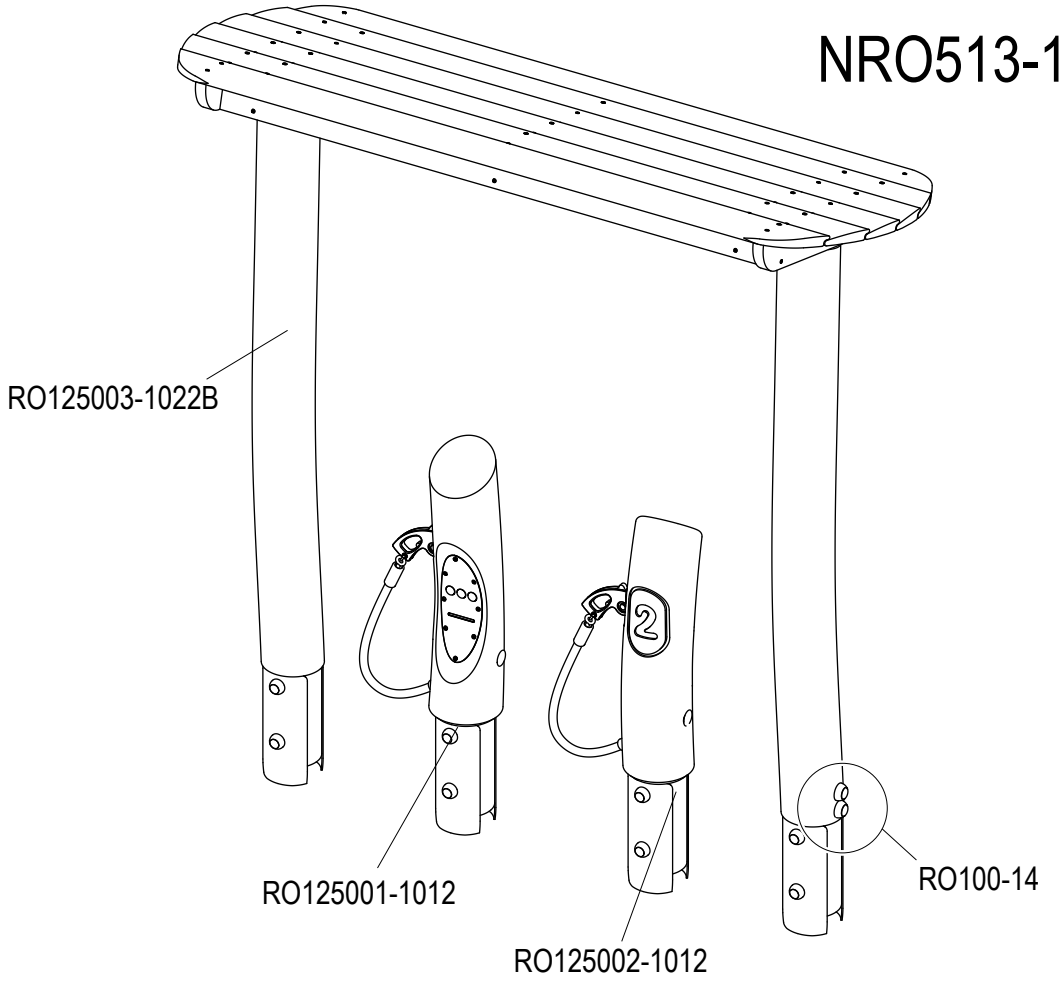

# NRO513-1031




VNRO513 20150924 PetrJu

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# NRO513-1032

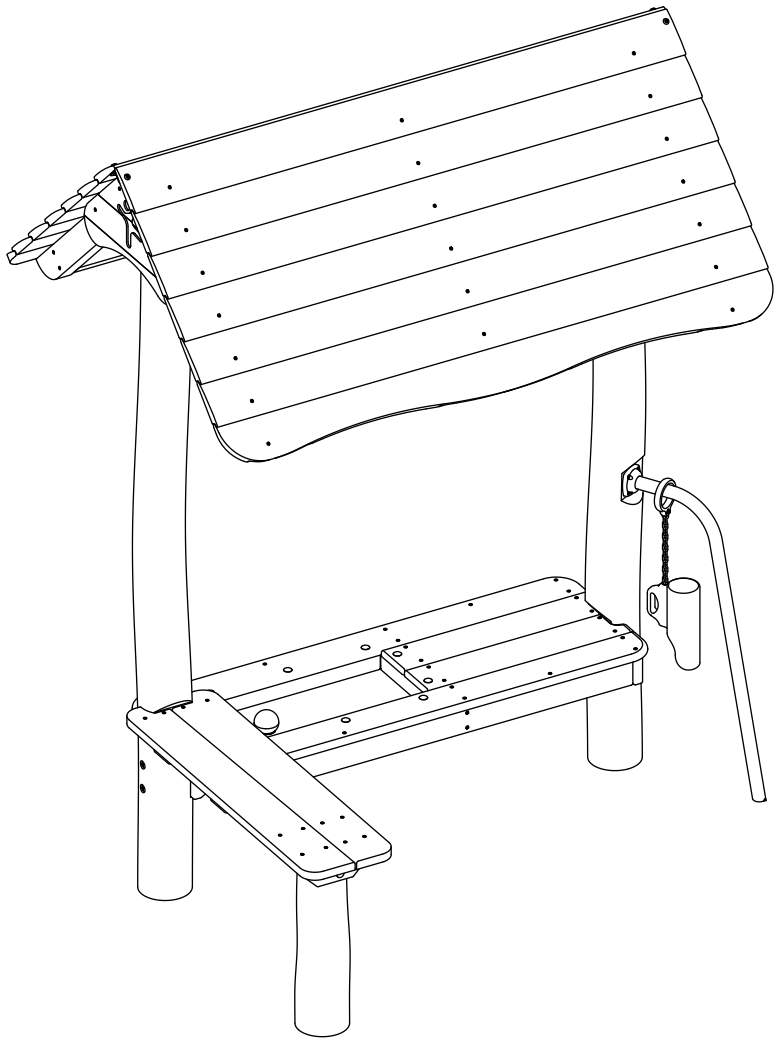



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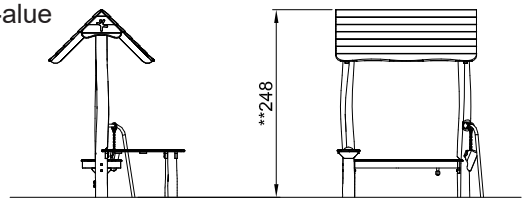
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# NRO526-1002/FSC
# NRO526-1011
# NRO526-1021/FSC
# NRO526-1022
# NRO526-1031



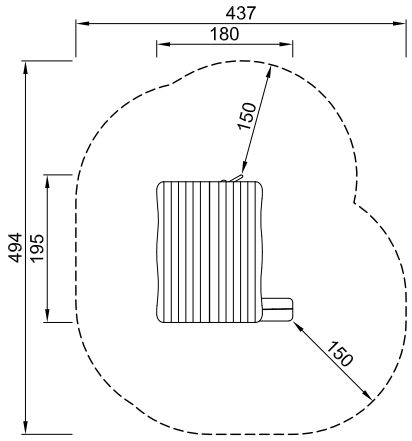
VNRO526 20170109 PetrJu

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Safety zone in accordance with EN 1176/AS4685
Sicherheitsabstand gemäß EN 1176/AS4685
Espace d'évolution selon EN 1176/AS4685
Zona de seguridad según EN 1176/AS4685
Distanze di sicurezza in conformità con lo standard EN 1176/AS4685
Veiligheidsgebied in overeenstemming met EN 1176/AS4685
Säkerhetsområde enl EN 1176/AS4685
Sikkerhedsareal iht. EN 1176/AS4685
Зона безопасности в соответствии с EN 1176/AS4685
EN1176/AS4685-normin mukainen turva-alue




NRO526
1:100




NRO526
**248cm
***17.5m²
1:100

All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mått är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeessa mainitut mitat ovat senttimetrejä.

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

Please note: The safety zone shown on this drawing is in accordance with EN 1176/AS4685. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176/AS4685. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à EN 1176/AS4685. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con EN 1176/AS4685. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176/AS4685. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176/AS4685. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer EN 1176/AS4685. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176/AS4685. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с EN 1176/AS4685. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

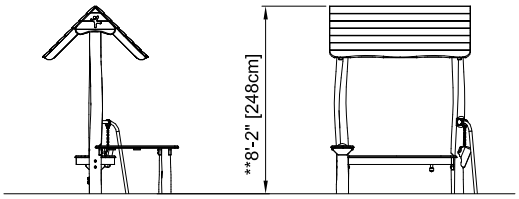
Huom: Tämän piirustuksen turva-alue on EN1176/AS4685-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

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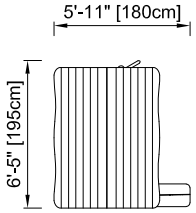
VNRO526 20170109 PetrJu

Safety zone in accordance with ASTM 1487/CSA Z614
Sicherheitsabstand gemäß ASTM 1487/CSA Z614
Espace d'évolution selon ASTM 1487/CSA Z614
Zona de seguridad según ASTM 1487/CSA Z614
Distanze di sicurezza in conformità con lo standard ASTM 1487/CSA Z614
Veiligheidsgebied in overeenstemming met ASTM 1487/CSA Z614
Säkerhetsområde enl ASTM 1487/CSA Z614
Sikkerhedsareal iht. ASTM 1487/CSA Z614
Зона безопасности в соответствии с ASTM 1487/CSA Z614
ASTM 1487/CSA Z614-normin mukainen turva-alue




NRO526
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus




NRO526
** 8'-2" / 248cm
1/8" = 1'-0"

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487/CSA Z614. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487/CSA Z614. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487/CSA Z614. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487/CSA Z614. En algunos sitios puede ser necesaria una zona de seguridadmás grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Nota: A área de segurança ilustrada neste desenho está de acordo com a ASTM 1487/CSA Z614. Podem existir alguns territórios onde seja exigida uma área de segurança maior. Na dúvida, por favor contacte o seu consultor local da KOMPAN.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti ASTM 1487/CSA Z614. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487/CSA Z614. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer ASTM 1487/CSA Z614. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487/CSA Z614. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

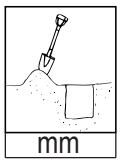
Внимание: Зона безопасности указана в соответствии с ASTM 1487/CSA Z614. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487/CSA Z614-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttääsuurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

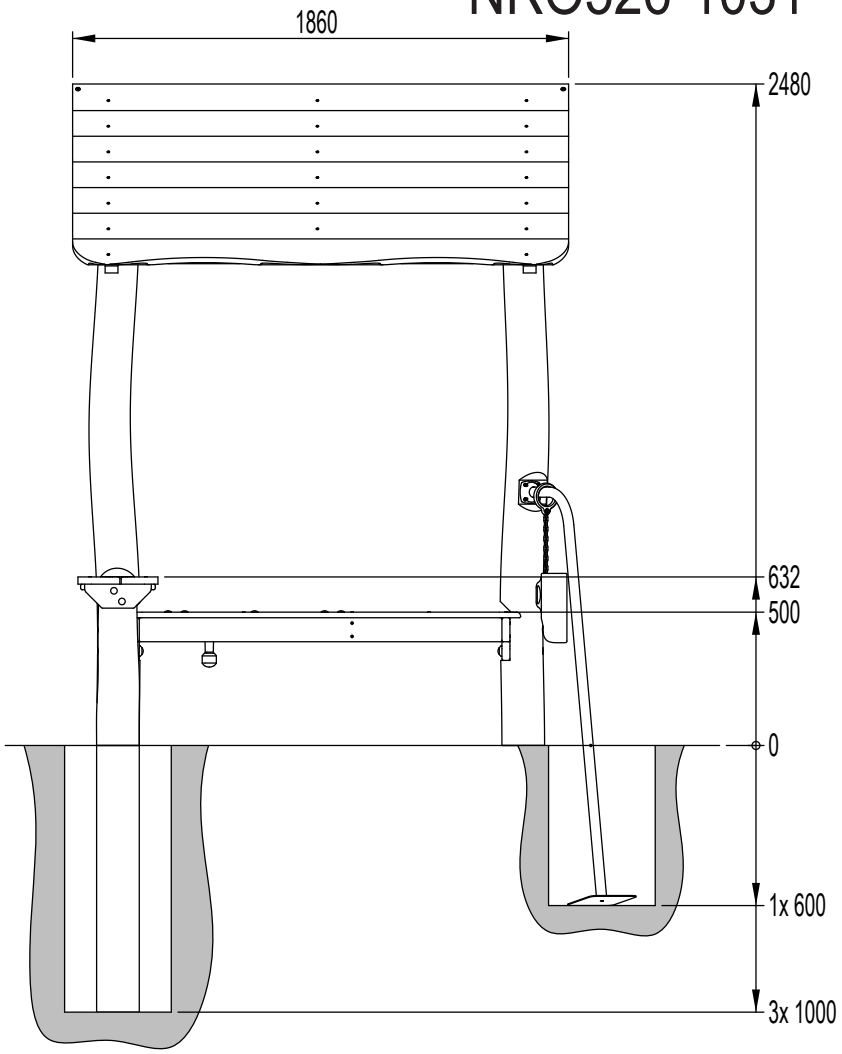
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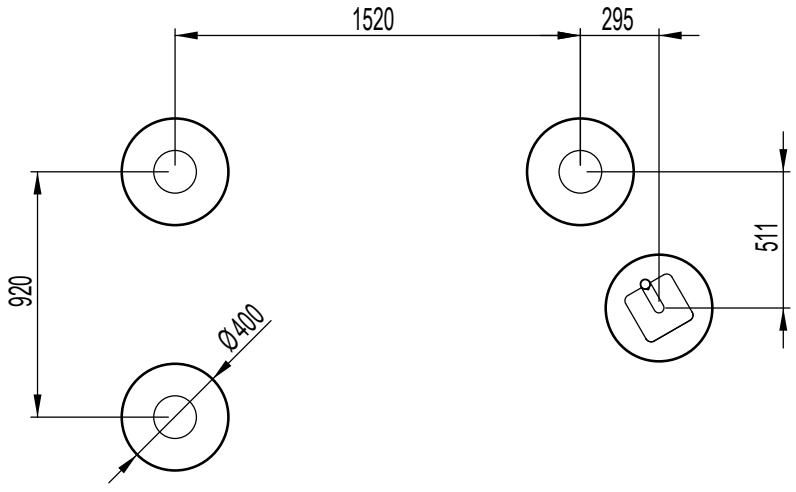


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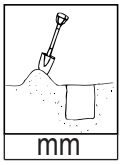

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# NRO526-1011
# NRO526-1021/FSC
# NRO526-1031



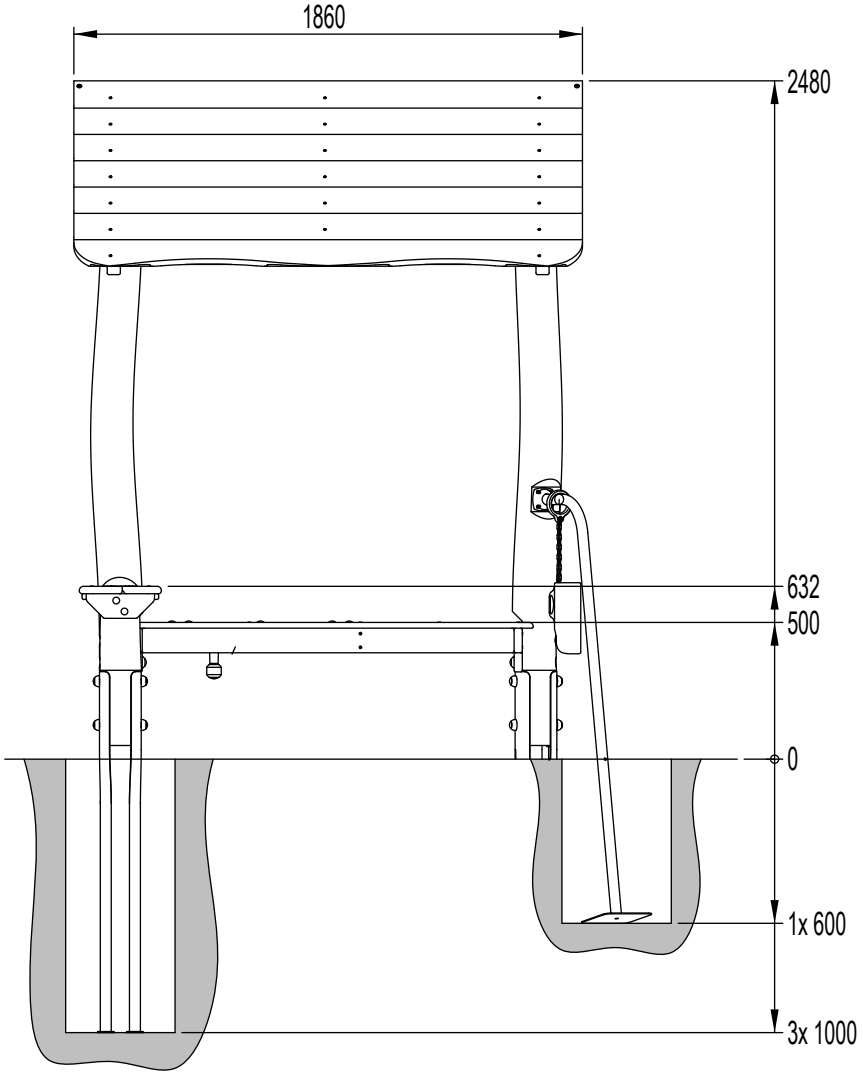



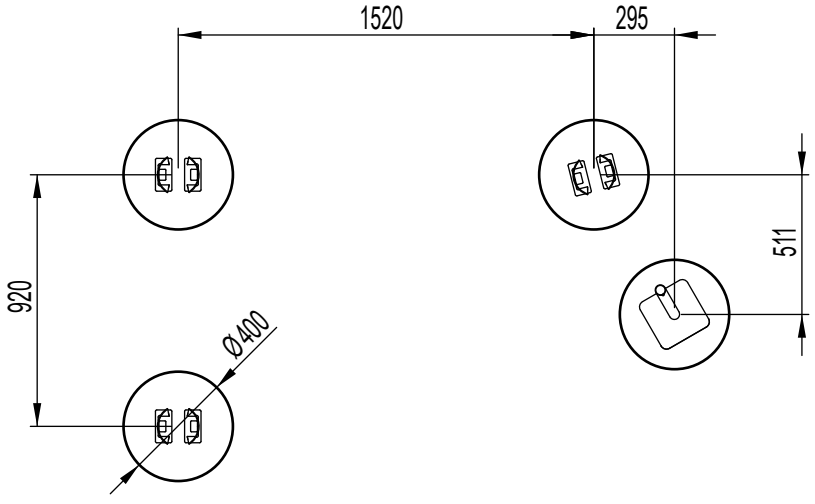

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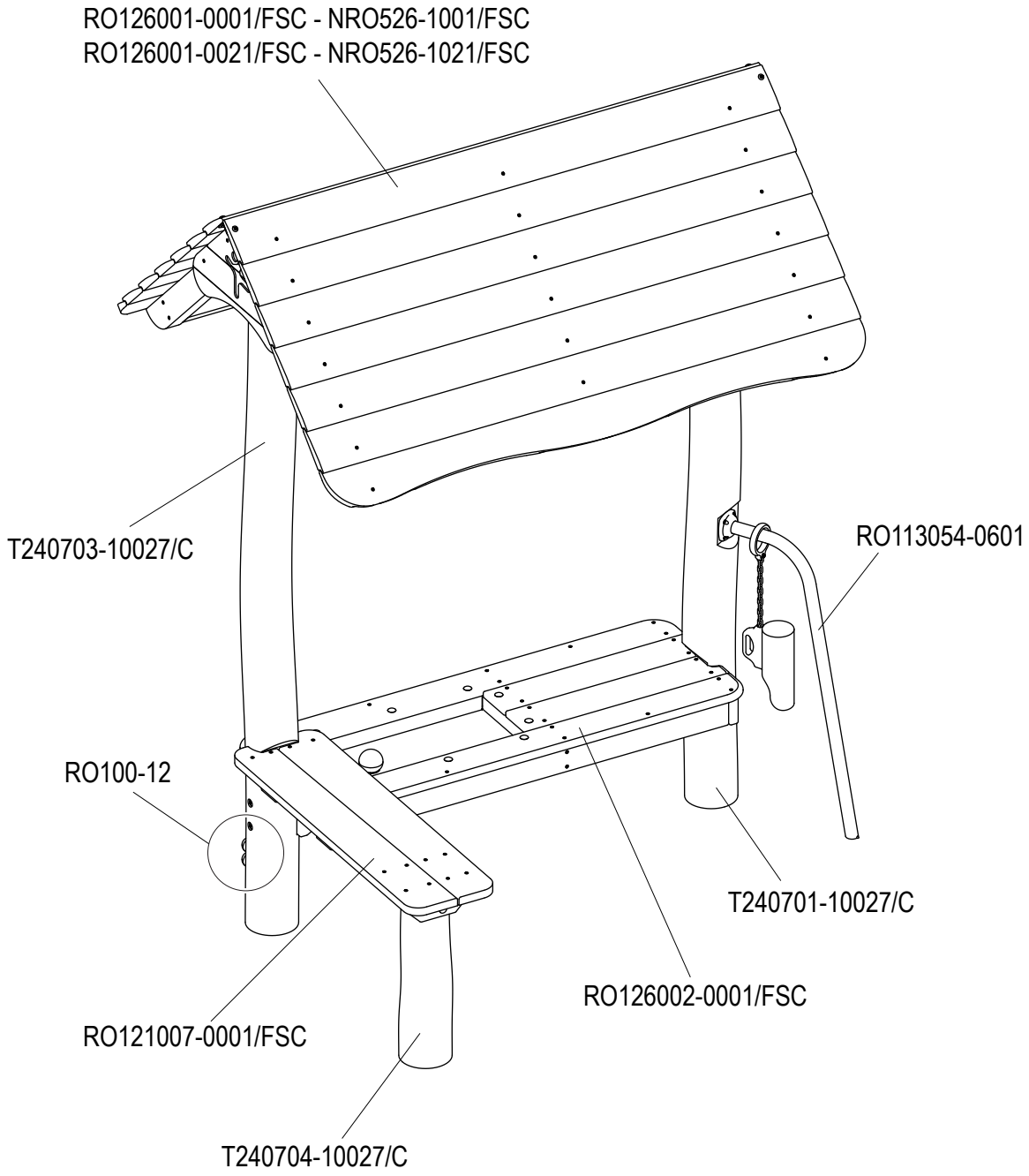



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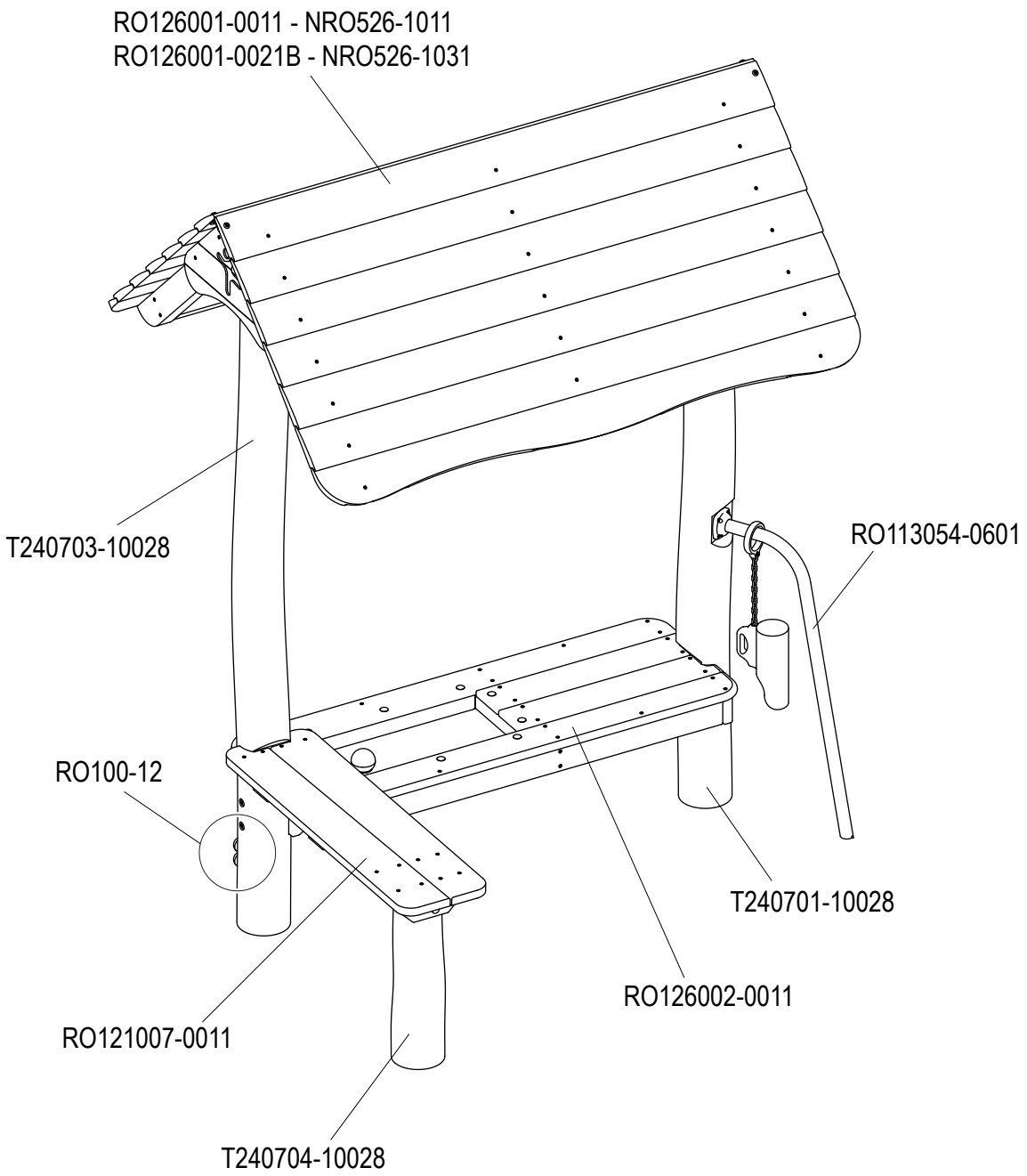
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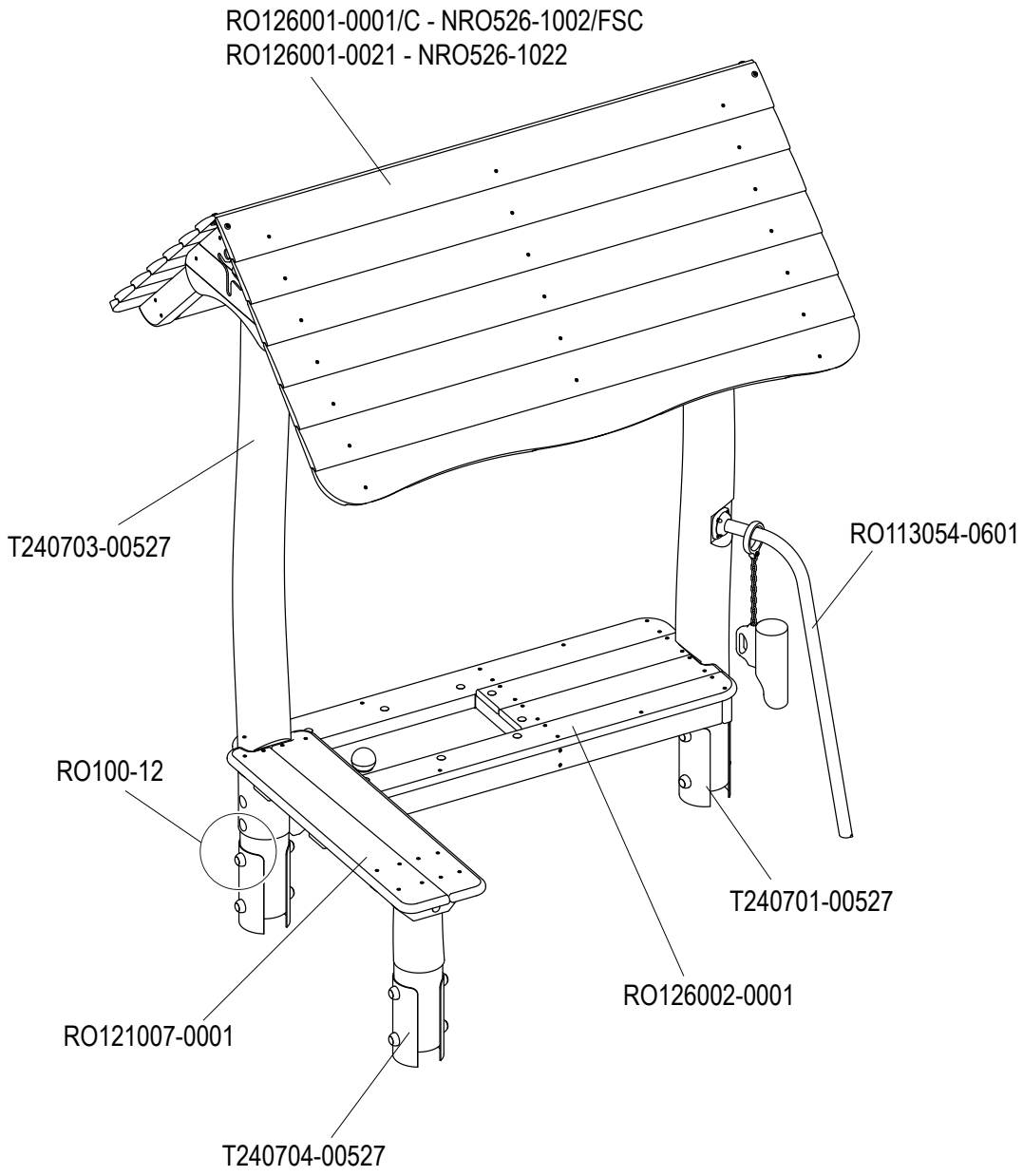
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# NRO526-1031




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