# PLEASANT VALLEY SCHOOL DISTRICT
# MAIN PLAYGROUND REPLACEMENT IMPROVEMENT PLANS
## CAPE CHARTER SCHOOL
777 AILEEN ST. CAMARILLO, CA 93010

### GRADING AND PAVING SPECIFICATIONS:

**A. STANDARD SPECIFICATIONS:**

1. EXCEPT AS MODIFIED OR OTHERWISE SPECIFIED ON THE DRAWINGS OR HEREIN, CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM WITH THE ***STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), 2024 EDITION***, PUBLISHED BY BUILDING NEWS, INC.

**B. GEOTECHNICAL ENGINEER:**

1. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT BY GEOTECHNIQUES DATED FEB. 2, 2026.

**C. LICENSED LAND SURVEYOR:**

1. A LICENSED SURVEYOR SHALL LAY OUT THE WORK, SET GRADE STAKES, CHECK FORMS AND CHECK SURFACE OF PAVEMENT BASE COURSES.

**D. EARTHWORK QUANTITIES:**

1. CONTRACTOR SHALL PERFORM AN INDEPENDENT EARTHWORK QUANTITY ANALYSIS ON WHICH TO BASE HIS BID. CONTRACTOR SHALL NOT BE RELIEVED OF LIABILITY UNDER THE CONTRACT FOR ANY LOSS HE MAY SUSTAIN AS A RESULT OF ANY VARIANCE BETWEEN HIS EARTHWORK ESTIMATES AND THE ACTUAL EARTHWORK QUANTITIES REQUIRED TO ACCOMPLISH GRADING AS SPECIFIED HEREIN AND AS NECESSARY FOR CONSTRUCTION OF IMPROVEMENTS TO THE FINISH GRADES OR PAVEMENT SUBGRADES CALLED FOR ON THE DRAWINGS.

**E: DUST CONTROL:**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION PERIOD AND FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM CONTRACTOR'S OPERATIONS.
2. EMPLOY LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT CONSTRUCTION OPERATIONS FROM PRODUCING DUST DAMAGING TO PERSONS, PROPERTY, VEGETATION AND ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTINUE DUST ABATEMENT MEASURES UNTIL AUTHORIZED BY THE OWNER'S REPRESENTATIVE TO DISCONTINUE THEM.
3. DURING TIMES OF EARTH DISTURBANCE OR MOVEMENT, MONITOR THE AMOUNT OF DUST RAISED BY THE ACTIVITY AND WATER THE AREAS BEING DISTURBED AS NEEDED TO PREVENT DUST FROM LEAVING THE PROJECT SITE.
4. ENSURE THAT TRUCKS TRANSPORTING MATERIAL FORM THE SITE ARE TARPED BEFORE LEAVING THE SITE WITH TARPS SUFFICIENTLY SECURE TO REMAIN TARPED TO THE POINT OF DISPOSAL.
5. COVER STOCKPILED SOIL MATERIALS AS REQUIRED TO PREVENT WIND-BLOWN DUST.

**F: EROSION AND SEDIMENTATION CONTROL:**

1. PROVIDE STORM WATER POLLUTION PREVENTION MATERIALS AND METHODS IN ACCORDANCE WITH THE CONSTRUCTION BMP ONLINE HANDBOOK, JANUARY 2015 EDITION, AVAILABLE ONLINE FROM THE CALIFORNIA STORMWATER QUALITY ASSOCIATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF EROSION AND SEDIMENT TRANSPORT DURING THE ENTIRE CONSTRUCTION PERIOD AND FOR ANY DAMAGE CAUSED BY EROSION OR SEDIMENT TRANSPORT RESULTING FROM CONTRACTOR'S OPERATIONS.

**G: CLEARING AND GRUBBING:**

1. PRIOR TO COMMENCING GRADING OR TRENCHING OPERATIONS, CLEAR THE EXISTING GROUND SURFACE OF AREAS TO BE GRADED OR TRENCHED OF ALL VEGETATION (EXCEPT TREES INDICATED ON THE DRAWINGS TO REMAIN), WHETHER LIVING OR DEAD, INCLUDING ROOTS AND ROOT STRUCTURES, AS WELL AS ALL TRASH AND DEBRIS, UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
2. PRIOR TO COMMENCING GRADING OR TRENCHING OPERATIONS, EXCAVATE AND REMOVE FROM AREAS TO BE GRADED OR TRENCHED ALL EXISTING UNDOCUMENTED OR NON-COMPLYING FILL AND SOIL CONTAINING DEBRIS, ORGANICS, PAVEMENT AND OTHER UNSUITABLE MATERIAL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
3. IF, DURING THE REMOVAL AND SCARIFICATION PROCESS, EXCESSIVE ROOT STRUCTURES ARE ENCOUNTERED, THESE AREAS SHALL BE DEEP RIPPED IN TWO DIRECTIONS TO THE DEPTH OF THE ROOT STRUCTURE AFTER WHICH THE DISTURBED SOILS AND THE ROOTS SHALL BE COMPLETELY REMOVED AND THE RESULTING CAVITIES SHALL BE SCARIFIED AND PROCESSED TO RECEIVE FILL IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

**H: GRADING:**

1. GRADING WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
   - ALL EXCAVATION TO THE GRADES SHOWN ON OR INDICATED BY THE DRAWINGS AND AS SPECIFIED HEREIN.
   - ALL EARTH FILL TO THE GRADES SHOWN ON OR INDICATED BY THE DRAWINGS AND AS SPECIFIED HEREIN.
   - ALL IMPORT AND EXPORT OF EARTH MATERIAL AS REQUIRED TO ACCOMPLISH THE FINISH GRADES AND PAVEMENT SUBGRADES SHOWN ON OR INDICATED BY THE DRAWINGS AND AS SPECIFIED HEREIN.
   - ALL CONDITIONING, PLACEMENT, COMPACTION AND RECOMPACTION OF EARTHWORK.
2. ON-SITE SOILS FREE OF OVERSIZE ROCKS AND IRREDUCIBLE MATERIAL (OVER 3 INCHES IN LARGEST DIMENSION), TRASH AND DEBRIS, ORGANICS AND DELETERIOUS MATERIALS MAY BE USED AS FILL SUBJECT TO PRIOR REVIEW AND APPROVAL BY THE GEOTECHNICAL ENGINEER. IF IMPORTED SOIL IS NECESSARY, THE MATERIAL SHALL BE GRANULAR AND NON-EXPANSIVE, EQUAL OR SUPERIOR IN QUALITY TO THE ON-SITE SOILS, AS DETERMINED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTATION OF THE FILL MATERIAL TO THE SITE.
3. BEFORE PLACING ANY FILL MATERIAL, REQUEST REVIEW OF THE EXPOSED IN-PLACE SOILS BY, AND PREPARE THESE SOILS TO RECEIVE FILL AS RECOMMENDED BY, THE GEOTECHNICAL ENGINEER, INCLUDING:
   - CORRECTING ANY SOFT, OVERWET OR PUMPING AREAS, AS RECOMMENDED
   - OVEREXCAVATING OR SCARIFYING, MOISTURE CONDITIONING, AND RECOMPACTING AS RECOMMENDED AND AT LEAST THE UPPER 9 INCHES TO AT LEAST 90% OF MAXIMUM DENSITY.
4. PLACE FILL MATERIAL IN LAYERS THAT CAN BE COMPACTED WITH THE EQUIPMENT BEING USED AND AS REQUIRED BY THE GEOTECHNICAL ENGINEER BUT NOT MORE THAN 6 INCHES IN LOOSE THICKNESS. AFTER EACH LAYER HAS BEEN CONDITIONED AND PLACED, COMPACT THE MATERIAL TO THE FOLLOWING DENSITIES:
   - STRUCTURAL FILL NOT OTHERWISE SPECIFIED: MINIMUM 90% OF MAXIMUM DENSITY
   - UPPER 12" OF AREAS TO RECEIVE LANDSCAPING BUT NO OTHER SURFACE IMPROVEMENTS: 85% OF MAXIMUM DENSITY
   - BASE COURSE AND UPPER 12" OF SUBGRADE SOIL BENEATH BASE COURSE IN PAVEMENT AND WALKWAY AREAS: MINIMUM 95% OF MAXIMUM DENSITY

**I: ASPHALT CONCRETE PAVING:**

1. AGGREGATE BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE CONFORMING TO SECTION 200-2.4 OF THE STANDARD SPECIFICATIONS (SSPWC).
2. ASPHALT CONCRETE SHALL BE THE PRODUCT OF MIXING MINERAL AGGREGATE AND A MAXIMUM OF 15 PERCENT RECLAIMED ASPHALT PAVEMENT (RAP) WITH PAVING ASPHALT, IN CONFORMANCE WITH SECTION 203-6 OF THE STANDARD SPECIFICATIONS (SSPWC).
3. PAVING ASPHALT SHALL BE PERFORMANCE GRADE PG 64-10, IN CONFORMANCE WITH SECTION 203-1 OF THE STANDARD SPECIFICATIONS (SSPWC).
4. ASPHALT CONCRETE DESIGNATED BY CLASS AND GRADE FOR VARIOUS APPLICATIONS SHALL BE AS FOLLOWS:
   - FINISH COURSE, TRAFFIC: C2- PG 64-10-RAP
   - BASE COURSE, TRAFFIC: (IF MORE THAN ONE LAYER) B-PG 64-10-RAP
   - OVERLAY, TRAFFIC: C2-PG 64-10-RAP
5. PAINT BINDER FOR TACK COAT SHALL BE SS-1H EMULSIFIED ASPHALT CONFORMING TO SECTION 203-3 OF THE STANDARD SPECIFICATIONS (SSPWC). APPLY A PAINT BINDER OF ASPHALTIC EMULSION AT THE RATE OF 0.15 GALLONS PER SQUARE YARD OF SURFACE TO EXISTING VERTICAL SURFACES AGAINST WHICH PAVING WILL BE PLACED AND BETWEEN PAVEMENT COURSES CONSTRUCTED MORE THAN 24 HOURS APART.
6. MATERIALS FOR SEALCOAT SHALL CONFORM TO SECTION 203-9 OF THE STANDARD SPECIFICATIONS (SSPWC). ***GUARDTOP*** IS ACCEPTED BY SCHOOL DISTRICT FOR USE IN SEALCOAT APPLICATIONS.
7. BEFORE ORDERING DELIVERY OF A.C. PAVEMENT, CONFIRM BY SURVEY THAT THE FINISH SURFACE OF THE BASE COURSE FOR PAVEMENTS AND FOR PAVEMENT-RELATED STRUCTURES SHALL NOT VARY MORE THAN ½ INCH (0.04 FOOT) FROM THE DESIGN ELEVATION. SLOPE AND CROSS-SECTION, ESTABLISHED WITH DUE ALLOWANCE FOR THICKNESS OF SURFACING. VARIATIONS WITHIN THE SPECIFIED TOLERANCE SHALL BE COMPENSATING SUCH THAT THE AVERAGE ELEVATION, SLOPE, AND CROSS-SECTION CONFORM TO THOSE SPECIFIED PER PLAN.

   FLATNESS: MAXIMUM VARIATION OF 1/8 INCH WHEN MEASURED WITH A 10-FOOT STRAIGHT EDGE. ASPHALT SUBSTRATE SHALL NOT VARY FROM PLANNED CROSS SLOPE BY MORE THAN ±0.2%. FINISHED ASPHALT SHALL BE SMOOTH AND PLANAR AND SHALL NOT VARY GREATER THAN ±1/8 INCH UNDER A 10 FOOT STRAIGHT EDGE IN ANY DIRECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SURVEY OF NEW ASPHALT SURFACES THAT ARE ACCEPTABLE TO DISTRICT OR DISTRICT'S REPRESENTATIVE.
8. AFTER CONSTRUCTION OF A.C. PAVEMENT AND APPURTENANT CONCRETE FEATURES BUT BEFORE SEAL COATING AND PAINTING STRIPING AND MARKINGS, CONDUCT A FLOOD TEST TO REVIEW SURFACE DRAINAGE, AS FOLLOWS:
   - SUPPLY AND DISCHARGE WATER IN SUFFICIENT QUANTITY TO COMPLETELY WET AND COVER ALL A.C. PAVEMENT AND CONCRETE GUTTER AREAS AND ALLOW TO DRAINDRY FOR ONE HOUR AT 70° F OR WARMER. MARK THE OUTLINE LIMITS OF RESIDUAL STANDING WATER DEEP ENOUGH TO COVER A 5 CENT PIECE, OR DEEPER.
   - REMOVE AND REPLACE A.C. PAVEMENT AND CONCRETE GUTTER IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER, AS NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AND TO PREVENT PONDING OF WATER ON PAVEMENT SURFACES AND IN GUTTERS. SUBSTITUTION OF ASPHALT CONCRETE SKIN PATCH IN LIEU OF REMOVAL AND REPLACEMENT OF PAVEMENT SHALL BE AT SOLE DISCRETION OF THE OWNER.
   - CONDUCT ADDITIONAL FLOOD TESTING TO CONFIRM SUCCESS OF CORRECTIVE MEASURES.
9. NOT SOONER THAN 10 DAYS AFTER COMPLETION OF PAVING, CONSTRUCT SEALCOAT AT THE RATE OF 0.45 GALLONS PER SQUARE YARD OF SURFACE ON ALL NEW AND EXISTING PAVEMENT WITHIN WORK SITE IN ACCORDANCE WITH SECTION 302-8 OF THE STANDARD SPECIFICATIONS (SSPWC). A TACK COAT CONFORMING TO SECTION 302-8.2.1 SHALL BE APPLIED TO **EXISTING** PAVEMENT SURFACES IN ADVANCE OF SEALCOAT.

**K: SUBMITTALS:**

PROVIDE SUBMITTALS DEMONSTRATING CONFORMANCE OF MATERIALS PROPOSED FOR USE IN THE PROJECT WITH REQUIREMENTS SPECIFIED HEREIN OR ON THE PLAN, AS FOLLOWS:

- AGGREGATE BASE
- ASPHALT CONCRETE
- CONCRETE

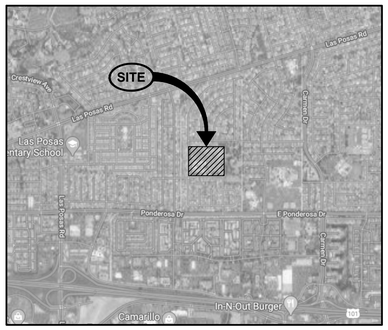
L: CONCRETE:

1. BASE MATERIAL
   - AGGREGATE BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE CONFORMING TO SECTION 200-2.2 OF THE STANDARD SPECIFICATIONS (SSPWC).
2. FORM MATERIALS
   - GENERAL: SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 1906, FORMWORK, EMBEDDED PIPES AND CONSTRUCTION JOINTS.
   - PLYWOOD FORMS: DOUGLAS FIR SPECIES; SOLID-ONE-SIDE, SOUND UNDAMAGED SHEETS. UNLESS OTHERWISE CALLED FOR ON PLANS, SURFACE OF FORM SIDE AGAINST CONCRETE SHALL PROVIDE A MEDIUM DENSITY TEXTURE.
   - LUMBER: DOUGLAS FIR SPECIES; CONSTRUCTION GRADE WITH GRADE STAMP CLEARLY VISIBLE.
   - STEEL FORMS: MINIMUM 16 GAGE THICK, STIFFENED TO SUPPORT WEIGHT OF CONCRETE WITH MINIMUM DEFLECTION.
   - FORM TIES: REMOVABLE METAL OF ADJUSTABLE LENGTH, CONE ENDS.
3. REINFORCING STEEL
   - ALL REINFORCING SHALL BE FABRICATED FROM STEEL MANUFACTURED IN THE UNITED STATES.
   - REINFORCING STEEL SHALL BE DEFORMED BILLET-STEEL FOR CONCRETE REINFORCEMENT CONFORMING TO ASTM A-615, GRADE 60 FOR BAR SIZES NO. 4 AND LARGER, GRADE 40 FOR BAR SIZE NO. 3, GRADE 60 ACCEPTABLE FOR ALL SIZES.
   - WELDED BARS SHALL CONFORM TO THE MOST RECENT ISSUE OF ASTM STANDARD A-706, GRADE 60 FOR ALL BAR SIZES.
4. CONCRETE MATERIALS
   - CEMENT: SHALL BE TYPE II, LOW ALKALI (NO HIGHER THAN 0.4%), CONFORMING TO ASTM C-150.
   - AGGREGATES (COARSE AND FINE): ALL AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C-33. AGGREGATE SHALL BE UNIFORMLY GRADED, WITH THE MAXIMUM AGGREGATE SIZE BEING ¾" TO 1", AND THE RATIO OF COARSE AGGREGATE TO FINE AGGREGATE BEING APPROXIMATELY 60% TO 40% (BY WEIGHT), RESPECTIVELY.
   - COARSE AND FINE AGGREGATE (SAND) ARE TO COME FROM A SOURCE PROVEN TO HAVE NON-REACTIVE CHARACTERISTICS. COARSE AGGREGATE WHICH IS HEAVY MEDIA PROCESSED (SATICOY, SISQUOC), SANTA MARGARITA ROCK, OR SAN GABRIEL ROCK WILL BE CONSIDERED AS MEETING THE CRITERIA OF NON-REACTIVITY. MOORPARK SAND (QUALITY, BEST, BLUE STAR) WILL BE CONSIDERED AS MEETING THE REQUIREMENTS OF NON-REACTIVITY. OTHER AGGREGATES MEETING OR EXCEEDING THE AGGREGATE REACTIVITY CHARACTERISTICS OF THE AGGREGATES LISTED ABOVE ARE ACCEPTABLE UPON SUBMITTAL OF ADEQUATE DOCUMENTATION (ASTM C-289 AND ASTM C-277 TEST RESULTS THAT ARE NOT MORE THAN 2 YEARS OLD).
   - WATER: SHALL BE CLEAN, SUITABLE FOR HUMAN CONSUMPTION, AND NOT DETRIMENTAL TO CONCRETE.
5. CURING COMPOUND
   - SHALL BE WATER-BASE LIQUID MEMBRANE-FORMING COMPOUND CONFORMING TO ASTM C309, 1100-CLEAR SERIES MANUFACTURED BY W.R. MEADOWS, INC., OR EQUIVALENT, FOR USE ON EXTERIOR FLATWORK ONLY.
   - LIQUID MEMBRANE-FORMING COMPOUND SHALL BE APPLIED AT THE RATE OF 1 GALLON PER 200 SQUARE FEET, IN 2 COATS, THE SECOND COAT APPLIED AT RIGHT ANGLES TO THE FIRST.
6. BONDING AGENT
   - SHALL BE POLYVINYL ACETATE HIBOND MANUFACTURED BY LAMBERT CORPORATION, ORLANDO, FL. LOCK BOND NO. 906 MANUFACTURED BY MACKLANBURG-DUNCAN CO., CITY OF INDUSTRY, CA, OR EQUIVALENT.
7. CONCRETE MIX
   - MIX AND DELIVER CONCRETE IN ACCORDANCE WITH *CALIFORNIA BUILDING CODE*, SECTION 1905A.
   - HAVE MIX DESIGNED AND CERTIFIED BY A REGISTERED CIVIL ENGINEER, LICENSED IN CALIFORNIA.
   - SELECT PROPORTIONS FOR CONCRETE IN ACCORDANCE WITH THE APPROVED DESIGN MIX.
   - PROVIDE CONCRETE CONFORMING TO THE FOLLOWING CRITERIA:

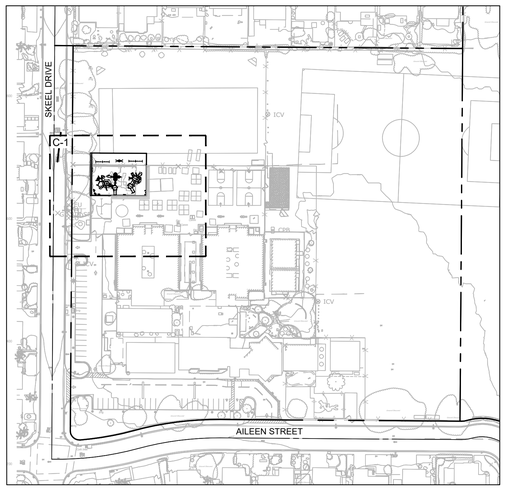
| ELEMENT | STRENGTH MIN. 28-DAY | MIN. CEMENT CONTENT | MAX. AGG. SIZE | MAX SLUMP | WAT/CEM RATIO | ADMIXURES |
|---|---|---|---|---|---|---|
| CURBS, GUTTERS, RAMPS, WALKS & FLATWORK: | 3,000 PSI | 5.5 SACKS/C.Y. | 3/4-INCH | 4 INCHES | 0.59 | SEE BELOW |
| DRAINAGE & STAIR STRUCTURES; PAVEMENT: | 4,000 PSI | 6.5 SACKS/C.Y. | 1-INCH | 4 INCHES | 0.50 | SEE BELOW |

   - INCLUDE THE FOLLOWING ADMIXTURES:

     -2% MAX AIR ENTRAINMENT
     -15% FLY ASH, CLASS N OR F ONLY
     -WATER REDUCING ADMIXTURE: GRACE WRDA 64, OR EQUAL
   - THE USE OF A PEA GRAVEL MIX (ROUNDED 3/8" AGGREGATE) CONCRETE MIX IS EXPRESSLY PROHIBITED.
8. EXPANSION JOINT
   - FILLER MATERIAL SHALL BE PREFORMED BITUMINOUS TYPE CONFORMING TO ASTM STANDARD D-1751.
   - DOWEL TUBING SHALL BE PLASTIC SPEED DOWEL SUPPLIED WITH SACRIFICIAL PLATE FOR ATTACHING TO FORM, AS SUPPLIED BY AZTEC CONCRETE ACCESSORIES, OR APPROVED EQUIVALENT.
9. REMOVABLE JOINT CAP
   - HIGH IMPACT POLYSTYRENE, DEPTH EQUAL TO WIDTH OF EXPANSION JOINT FILLER, SUPPLIED IN 10-FOOT LENGTHS, AS MANUFACTURED BY CONCRETE TIE, OR EQUIVALENT.
   - WHERE POLYURETHANE SEALANT PRIMERS ARE USED, A BONDBREAKER TAPE SHALL BE APPLIED PRIOR TO CAULKING.
10. JOINT SEALANT
    - FOR CRACK-CONTROL AND EXPANSION JOINTS SHALL BE CHEMICAL-CURE, TWO-COMPONENT, POLYURETHANE-BASE, NON-SAG ELASTOMERIC SIKAFLEX-2CNS MANUFACTURED BY SIKA CORPORATION, LYNDHURST, NJ, OR APPROVED EQUIVALENT. COLOR: LIMESTONE GREY.
11. EPOXY, FLATWORK DOWELS
    - EPOXY USED FOR GROUTING REBAR DOWELS TO MAINTAIN JOINT INTEGRITY BETWEEN SITE FLATWORK COMPONENTS (CURBS, GUTTERS, WALKWAYS, RAMPS) SHALL BE SIMPSON SET-XP ADHESIVE, ICC NO. ESR-2508, OR EQUIVALENT. PULL TESTS ARE NOT REQUIRED.




**VICINITY MAP**
NOT TO SCALE




**KEY MAP**
SCALE: 1" = 100'

**IMPORTANT NOTICE**

ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

811
Know what's **below.**
**Call** before you dig.

**BENCHMARK:**

ELEVATIONS ARE NAVD88 BASED ON BENCHMARK VCPID 406, DESIGNATION 25-394, RM 2 DISC 57.3' SOUTH AND 41.5' WEST FROM CENTERLINE INTERSECTION PONDEROSA DR. & ARNEILL RD. ON HEADWALL.

HORIZONTAL DATUM IS NAD83 (SPC 405).

ELEVATION = 154.33'

CAUTION! CONFIRM BENCHMARK DATA AND CONDITION WITH PROJECT SURVEYOR (RIGHT ANGLE LAND SURVEY) PRIOR TO USE.

**TOPOGRAPHY:**

EXISTING TOPOGRAPHY COMPILED BY FIELD SURVEY(S) BY RIGHT ANGLE LAND SURVEY DATED 2/18/2020.

**SURVEY MONUMENT PROTECTION:**

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. DO NOT DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE COUNTY SURVEYOR PURSUANT TO BUSINESS AND PROFESSIONAL CODE SECTION 8771.

**LIST OF SYMBOLS:**

| | | | | | |
|---|---|---|---|---|---|
| AC | ASPHALTIC CONCRETE | FH | FIRE HYDRANT | SD | STORM DRAIN |
| ACP | ASBESTOS CEMENT PIPE | ℄ OR FL | FLOWLINE | SL | STREET LIGHT |
| AB | AGGREGATE BASE | FLG | FLANGE | ST STL | STAINLESS STEEL |
| BC | BEGIN CURVE | FS | FINISH SURFACE | STA | STATION |
| BCR | BEGIN CURB RETURN | G | GAS | STD DTL | STANDARD DETAIL |
| BD | BASEMENT DRAIN | GB | GRADE BREAK | T | TELEPHONE |
| BFV | BUTTERFLY VALVE | GM | GAS METER | T BLK | THRUST BLOCK |
| BM | BENCHMARK | GSP | GALVANIZED STEEL PIPE | TB | TOP OF BERM |
| BV | BALL VALVE | GSV | GAS VALVE | TC | TOP OF CURB |
| BVC | BEGIN VERTICAL CURVE | GV | GATE VALVE | TCN | TOP OF CONCRETE |
| BW | BACK OF WALK | HB | HOSE BIB | TD | TOP OF DIKE |
| CIP | CAST IRON PIPE | HP | HIGH POINT | TF | TOP OF FOOTING |
| CJ | CRACK CONTROL JOINT | INV | INVERT | TG | TOP OF GRATE |
| CL | CLASS | L | CURVE LENGTH | TI | TRAFFIC INDEX |
| ℄ OR C/L | CENTERLINE | LF | LINEAL FEET | TL | TRAFFIC LIGHT |
| CMP | CORRUGATED METAL PIPE | MH | MANHOLE | TP | TOP OF PAVEMENT |
| CLR | CLEAR | MJ | MECHANICAL JOINT | TYP | TYPICAL |
| CMU | CONCRETE MASONRY UNIT | NIC | NOT INCLUDED IN CONTRACT | TW | TOP OF WALL |
| CO | CLEANOUT | OC | ON CENTER | VCP | VITRIFIED CLAY PIPE |
| CTV | CABLE TELEVISION | OCEW | ON CENTER EACH WAY | VPI | VERTICAL POINT OF |
| DIP | DUCTILE IRON PIPE | PCC | POINT OF COMPOUND | INTERSECTION | |
| D | DRAIN | CURVATURE | | | (OF VERTICAL CURVE |
| E | ELECTRICAL | PI | POINT OF INTERSECTION | TANGENTS) | |
| DI | DROP INLET | | (OF CURVE TANGENTS) | W | WATER |
| EC | END CURVE | ℞ OR P/L | PROPERTY LINE | W/ | WITH |
| ECR | END CURB RETURN | PRC | POINT OF REVERSE | WD | WALL DRAIN |
| EG | EXISTING GRADE | CURVATURE | | WM | WATER METER |
| EJ | EXPANSION JOINT | PVC | POLY-VINYL CHLORIDE | WV | WATER VALVE |
| EL | ELEVATION | PV | PLUG VALVE | △ | DELTA (CURVE CENTRAL |
| EP | EDGE OF PAVEMENT | R | RADIUS | ANGLE) | |
| EVC | END VERTICAL CURVE | RCP | REINFORCED CONCRETE PIPE | ± | APPROXIMATELY |
| EW | EACH WAY | RD | ROOF DRAIN | % | PERCENT |
| EX | EXISTING | RG | RETAINING GLAND | < | LESS THAN |
| FD | FLOOR DRAIN | RSJ | ROUGH SURFACE JOINT | > | GREATER THAN |
| FF | FINISH FLOOR | R/W | RIGHT-OF-WAY | | |
| FG | FINISH GRADE | S | SEWER | | |

**LEGEND:**

| DESCRIPTION | EXISTING | PROPOSED |
|---|---|---|
| CENTERLINE | | |
| EDGE OF A.C. PAVEMENT | | |
| ELEVATION | 100.00 OR (100.00) | 100.00 |
| CONCRETE PAVEMENT | | |
| A.C. PAVEMENT | | |
| PROPERTY LINE | | |
| RIGHT-OF-WAY LINE | | |
| EASEMENT LINE | | |
| CONTOURS (MAJOR) | 10 | 10 |
| CONTOURS (MINOR) | 12 | 12 |
| BENCH MARK | | |
| TREE CANOPY | | |
| APPROX. SAW CUT LINE | | |
| LIMIT OF GRADING LINE | | |
| GRADE BREAK LINE | | GB |
| FLOW LINE | | |
| FENCE | | |
| WATER | W | W |
| STORM DRAIN | SD | SD |

**SHEET INDEX**



| SHEET NO. | GENERAL DESCRIPTION |
|---|---|
| 1 | G-1 TITLE SHEET |
| 2 | D-1 DEMOLITION PLAN |
| 3 | C-1 SITE IMPROVEMENT PLAN |
| 4 | CD-1 CONSTRUCTION DETAILS |



| NO. | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| | **REVISIONS** | | |

REGISTERED PROFESSIONAL ENGINEER ROGER A. SCHULTZ No. 71335 CIVIL STATE OF CALIFORNIA


FLOWERS & ASSOCIATES, INC.
115 W. Canon Perdido Street
Santa Barbara, CA 93101
Telephone (805) 966-2224


DATE: 3/2/2026

BY:

F&A CIVIL ENGINEERING • PLANNING CONSTRUCTION MANAGEMENT • SURVEYING

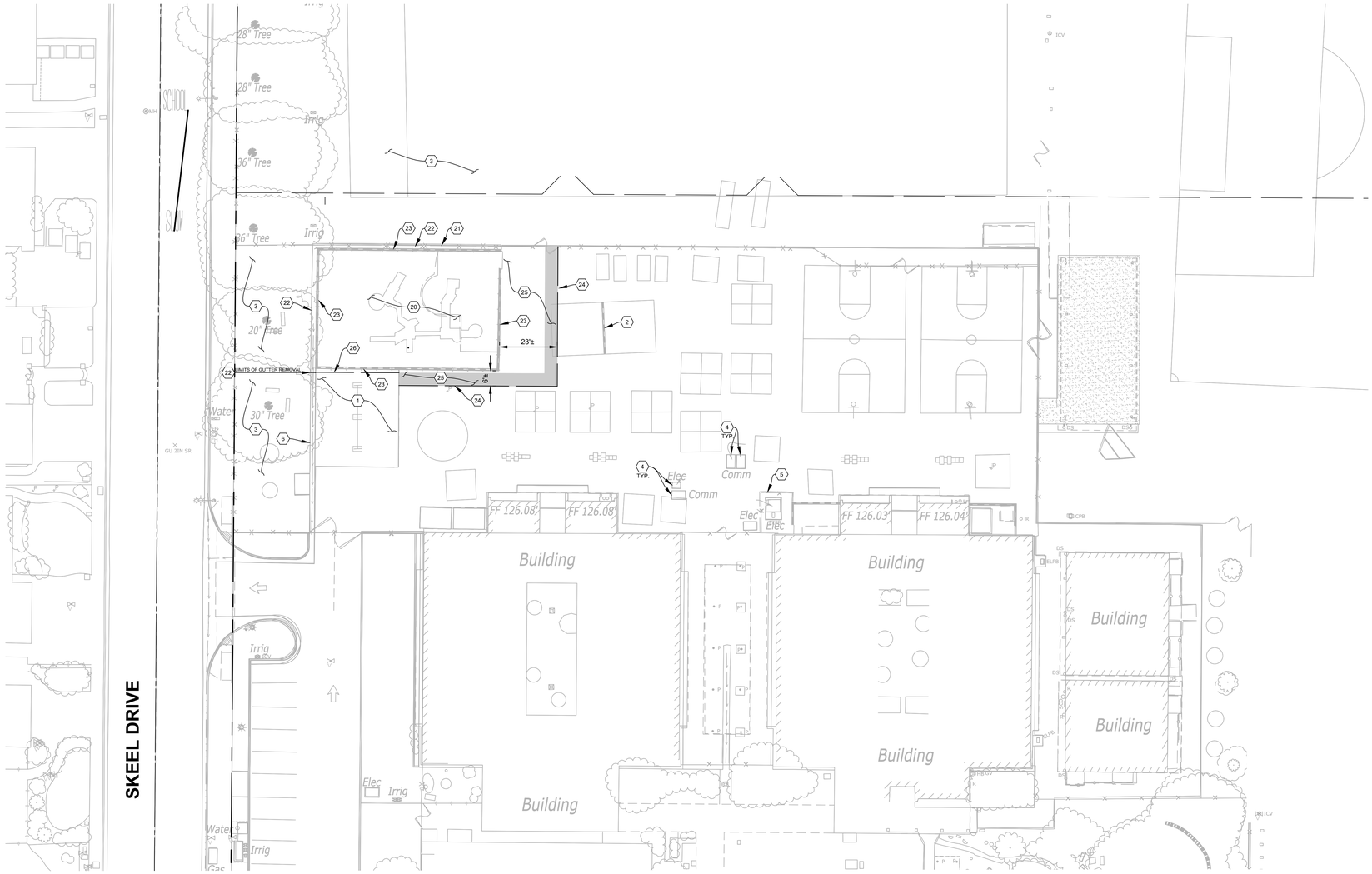
**TITLE SHEET**
MAIN PLAYGROUND REPLACEMENT PLANS
CAPE CHARTER SCHOOL
777 AILEEN STREET
CITY OF CAMARILLO, CALIFORNIA

**G-1**

DATE: 10/26/2026

SHT. 1 OF 4

THESE PLANS HAVE BEEN PREPARED SOLELY FOR USE FOR THE PROJECT SCOPE AND SITE SPECIFICALLY IDENTIFIED HEREON AT THE TIME THESE PLANS ARE SIGNED. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, USE OF ANY PART OF THESE PLANS - INCLUDING ANY NOTE OR DETAIL, FOR ANY UNAPPROVED OR REVISED PROJECT SCOPE, OR FOR ANY OTHER PROJECT AT THIS OR ANY OTHER SITE.




## GENERAL CONSTRUCTION NOTES THIS SHEET:

A. REFER TO LEGEND AND OTHER PLAN USE INFORMATION ON SHEET G-1.

B. PROTECT EXISTING UTILITIES WITHIN WORK AREA; NOTIFY ***UNDERGROUND SERVICE ALERT*** AT LEAST 2 WORKING DAYS IN ADVANCE OF BEGINNING EXCAVATION AT 1-800-422-4133.

C. EXISTING BURIED CONDUITS / PIPES / STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THE DRAWINGS, BASED ON RECORD INFORMATION OR INPUT FROM OTHERS. THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE (SCHEMATIC) ONLY AND, MOST LIKELY, OTHERS EXIST WHICH HAVE NOT BEEN SHOWN. INVESTIGATE, LOCATE AND MARK ALL EXISTING BURIED CONDUITS, PIPES AND STRUCTURES PRIOR TO START OF GRADING OR TRENCHING. PROTECT AND MAINTAIN IN SERVICE ALL SUCH FACILITIES UNTIL OTHERWISE APPROVED IN WRITING BY DISTRICT.

D. HORIZONTAL LOCATIONS OF EXISTING BURIED CONDUITS / PIPES / STRUCTURES AS SHOWN ON THE DRAWINGS OR AS MARKED IN THE FIELD ARE APPROXIMATE ONLY; VERTICAL LOCATIONS ARE NOT KNOWN. BEFORE BEGINNING TRENCHING OR GRADING, LOCATE AND EXPOSE ALL BURIED CONDUITS / PIPES / STRUCTURES WHICH CROSS OR OTHERWISE MAY CONFLICT WITH NEW IMPROVEMENTS OR WHICH ARE TO BE JOINED BY NEW CONSTRUCTION AND HAVE HORIZONTAL AND VERTICAL LOCATIONS DETERMINED BY SURVEY. PROVIDE RESULTS OF THIS INVESTIGATION AND SURVEY TO ENGINEER FOR REVIEW BEFORE WORK IS COMMENCED. ALLOW FIVE (5) WORKING DAYS FOR REVIEW; MORE TIME MAY BE MAY BE REQUIRED DEPENDING ON COMPLETENESS OF INFORMATION PROVIDED AND ON EXTENT OF CONFLICTS, IF ANY.

E. DEMOLISH AND REMOVE EXISTING OBJECTIONABLE MATERIAL FROM THE WORK AREA AND DISPOSE OF AS NECESSARY TO COMPLETE THE WORK, WHETHER OR NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS.

F. WHETHER OR NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS, PROTECT FROM DAMAGE ALL EXISTING FEATURES WITHIN AND IN THE VICINITY OF THE WORK AREA WHICH ARE NOT TO BE ALTERED BY PROPOSED WORK:

1. DOCUMENT THE EXISTING CONDITION AND PROVIDE SUCH DOCUMENTATION TO DISTRICT'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. PROTECT DURING CONSTRUCTION FROM PHYSICAL AND AESTHETIC DAMAGE INCLUDING CRACKING, SCRAPING, DEFORMING, SOILING, AND SPLATTER FROM PAINT, CONCRETE OR ASPHALT EMULSION.
3. RESTORE TO PRE-CONSTRUCTION CONDITION AND APPEARANCE TO SATISFACTION OF DISTRICT AT NO ADDITIONAL COST TO DISTRICT.

## DEMOLITION NOTES THIS SHEET:

(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

**PROTECTIONS:**

1 REMOVE EXISTING RUBBER SURFACE AND SWING SET INCLUDING FOOTINGS.

2 PROTECT EXISTING HANDBALL WALL TO REMAIN.

3 PROTECT EXISTING LANDSCAPED AREA.

4 PROTECT EXISTING UTILITY AND / OR VAULT.

5 PROTECT EXISTING FENCE AND / OR GATE TO REMAIN.

6 PROTECT EXISTING CONCRETE CURB AND / OR GUTTER TO REMAIN.

7-19 NOT USED.

**REMOVALS:**

20 DEMOLISH AND REMOVE EXISTING PLAYGROUND EQUIPMENT, POSTS AND FOUNDATIONS.

21 EXISTING FENCE AND/OR GATE TO BE REMOVED TO LIMITS SHOWN ON PLAN.

22 EXISTING CONCRETE GUTTER TO BE REMOVED.

23 DEMOLISH AND REMOVE EXISTING WALL AND FOOTINGS.

24 PROPOSED SAWCUT LINE. PROTECT EXISTING EDGE OF A.C. OR CONCRETE IMPROVEMENT TO REMAIN UNTIL CONSTRUCTION OF CONFORMING IMPROVEMENTS (TYPICAL).

25 DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT.

26 SAWCUT RUBBER SURFACE

**IMPORTANT NOTICE**

ALL UTILITY LOCATIONS ARE APPROXIMATE CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

CALL TOLL FREE 1-800-422-4133

| NO. | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| | **REVISIONS** | | |

REGISTERED PROFESSIONAL ENGINEER ROBERT A. SCHMITZ No. 71335 CIVIL STATE OF CALIFORNIA


FLOWERS & ASSOCIATES, INC.
115 W. Canon Perdido Street
Santa Barbara, CA 93101
Telephone (805) 966-2224


F&A CIVIL ENGINEERING • PLANNING CONSTRUCTION ENGINEERING

DATE: 3/2/2026

BY:

# DEMOLITION PLAN

MAIN PLAYGROUND REPLACEMENT PLANS
CAPE CHARTER SCHOOL
777 AILEEN STREET
CITY OF CAMARILLO, CALIFORNIA

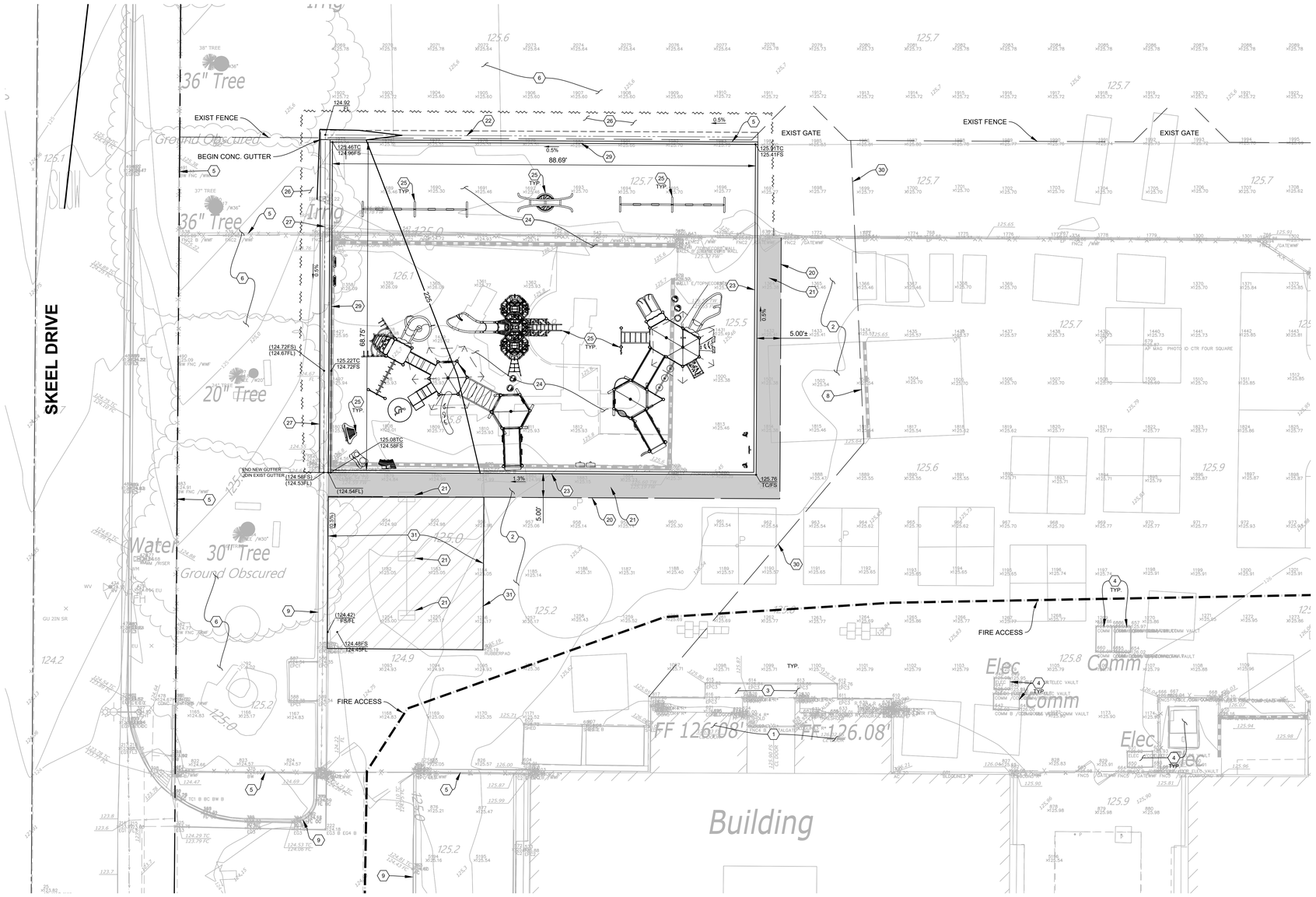
**D-1**

DATE: 10/26/2026

SHT. 2 OF 4

W.O. 2007


THESE PLANS HAVE BEEN PREPARED SOLELY FOR USE FOR THE PROJECT SCOPE AND SITE SPECIFICALLY IDENTIFIED HEREON AT THE TIME THESE PLANS ARE SIGNED. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, USE OF ANY PART OF THESE PLANS, INCLUDING ANY NOTE OR DETAIL, FOR ANY UNAPPROVED OR REVISED PROJECT SCOPE, OR FOR ANY OTHER PROJECT AT THIS OR ANY OTHER SITE.




## GENERAL CONSTRUCTION NOTES THIS SHEET:

A. REFERENCE LANDSCAPE ARCHITECT'S PLANS FOR ALL HARDSCAPE COLORS AND FINISHES.

B. PROTECT ALL EXISTING SCHOOL IMPROVEMENTS AND INFRASTRUCTURE WITHIN WORK AREA (TYPICAL, UNLESS OTHERWISE NOTED).

C. PROTECT EXISTING UTILITIES WITHIN WORK AREA. NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 2 WORKING DAYS IN ADVANCE OF BEGINNING EXCAVATION AT 1-800-422-4133.

D. EXISTING BURIED CONDUITS, PIPES AND/OR STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THE DRAWINGS BASED ON RECORD DRAWING INFORMATION OR INPUT FROM OTHERS. THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE (SCHEMATIC) ONLY AND, MOST LIKELY, OTHERS EXISTING WHICH HAVE NOT BEEN SHOWN. INVESTIGATE, LOCATE AND MARK ALL EXISTING BURIED CONDUITS, PIPES AND STRUCTURES PRIOR TO START OF GRADING OR TRENCHING. PROTECT AND MAINTAIN IN SERVICE ALL SUCH FACILITIES UNTIL OTHERWISE APPROVED IN WRITING BY OWNER.

E. HORIZONTAL LOCATIONS OF EXISTING BURIED CONDUITS, PIPES AND/OR STRUCTURES AS SHOWN ON THE DRAWINGS OR AS MARKED IN THE FIELD ARE APPROXIMATE ONLY. VERTICAL LOCATIONS ARE NOT KNOW. BEFORE BEGINNING TRENCHING OR GRADING, LOCATE AND EXPOSE ALL BURIED CONDUITS, PIPES AND/OR STRUCTURES WHICH CROSS OR OTHERWISE MAY CONFLICT WITH NEW IMPROVEMENTS OR WHICH ARE TO BE JOINED BY NEW CONSTRUCTION AND HAVE HORIZONTAL AND VERTICAL LOCATIONS DETERMINED BY SURVEY. PROVIDE RESULTS OF THIS INVESTIGATION AND SURVEY TO ENGINEER FOR REVIEW BEFORE WORK IS COMMENCED. ALLOW FIVE (5) WORKING DAYS FOR REVIEW. MORE TIME MAY BE REQUIRED DEPENDING ON COMPLETENESS OF INFORMATION PROVIDED AND ON EXTENT OF CONFLICTS, IF ANY.

F. RETAIN A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL AND VERTICAL CONTROL FOR LAYOUT OF THE WORK, FOR SURVEYING LOCATIONS OF EXISTING BURIED PIPELINES, CONDUITS AND STRUCTURES AND FOR GRADE CONFIRMATION WHERE REQUIRED DURING CONSTRUCTION. CONFIRM CONTROL DATA WITH TOPOGRAPHIC MAPPING SURVEYOR (WATERS CARDENAS LAND SURVEYING COMPANY) PRIOR TO STAKING WORK. IN ADDITION, CHECK STAKING AT KEY LOCATIONS BY SCALING DISTANCES AND TAPING FROM EXISTING FEATURES SHOWN ON PLAN.

G. FOR CONCRETE PAVEMENTS, WALKWAYS, CURBS, GUTTERS AND WALLS, LAYOUT EXPANSION AND CONTROL JOINTS PER DRAWINGS AND SPECIFICATIONS AND MARK JOINT LOCATIONS ON FORMS FOR REVIEW BY OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO ORDERING CONCRETE.

H. GRADE AREAS TO BE SURFACED WITH A.C. OR CONCRETE IMPROVEMENTS AS NECESSARY TO CONSTRUCT STABLE, COMPACTED SUBGRADE TO REQUIRED ELEVATION, IN ACCORDANCE WITH THE PLAN, DETAILS AND SPECIFICATIONS AND GEOTECHNICAL REQUIREMENTS AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO FORMING OR PLACING BASE MATERIAL (TYPICAL ALL SUCH AREAS).

## ⬡ SPECIFIC CONSTRUCTION NOTES THIS SHEET:
(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

**PROTECTIONS / REMOVALS:**

1 PROTECT EXISTING BUILDING TO REMAIN.

2 PROTECT EXISTING ASPHALT PAVEMENT TO REMAIN.

3 PROTECT EXISTING CONCRETE PAVEMENT TO REMAIN.

4 PROTECT EXISTING UTILITIES. RAISE LIDS TO PROPOSED FINISH GRADE ELEVATIONS AS NECESSARY.

5 PROTECT EXISTING FENCE AND / OR GATE TO REMAIN.

6 PROTECT EXISTING LANDSCAPED AREA TO REMAIN.

7 PROTECT EXISTING RUBBER SURFACE AND SWING SET.

8 PROTECT EXISTING HANDBALL WALL AND FOUNDATIONS.

9 PROTECT EXISTING CONCRETE CURB AND/OR GUTTER TO REMAIN.

**SITE IMPROVEMENTS**

20 PROTECT EXISTING EDGE OF A.C. OR CONCRETE IMPROVEMENT TO REMAIN UNTIL CONSTRUCTION OF CONFORMING IMPROVEMENTS (TYPICAL).

21 CONSTRUCT AC PAVEMENT STRUCTURAL SECTION PER DETAIL 1 / CD-1.

22 CONSTRUCT GRADED SWALE AS SHOWN ON PLAN.

23 CONSTRUCT FLUSH CONCRETE PLAYGROUND EDGING CURB PER DETAIL 2 / CD-1.

24 INSTALL PLAYGROUND POURED IN PLACE (PIP) SURFACE PER MANUFACTURER'S RECOMMENDATIONS.

25 INSTALL PLAYGROUND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.

26 GRADE UNPAVED AREAS WITHIN LIMITS OF DISTURBANCE TO FINISH GRADES. FLOWLINES AND CONTOURS PER PLAN TO PROVIDE PROPER DRAINAGE AND TO PROVIDE SMOOTH TRANSITION BETWEEN NEW AND EXISTING IMPROVEMENTS. PROTECT EXISTING IRRIGATION LINES AND SPRINKLER HEADS. CONTRACTOR TO FIX ALL LINES BROKEN DUE TO CONSTRUCTION. COORDINATE WITH DISTRICT ON EXACT LOCATIONS. GRASS AREAS TO BE HYDROSEEDED AT END OF PROJECT.

27 CONSTRUCT CONCRETE GUTTER PER DETAIL 3 / CD-1.

28 INSTALL FENCE AND/OR GATE PER LANDSCAPE ARCHITECT'S PLANS AND SPECIFICATIONS.

29 CONSTRUCT 6" CONCRETE PLAYGROUND CURB PER DETAIL 4 / CD-1.

30. CONSTRUCT TEMPORARY FENCEE. CONTRACTOR TO PROVIDE 12 FEET WIDE DOUBLE GATE FOR FIRE ACCESS TO CAMPUS.

31. INSTALL ASPHALT TOP COAT IN LOCATION OF REMOVED RUBBER PLAY SURFACE

N

SCALE: 1"=10'
GRAPHIC SCALE
0 10 20 30

**IMPORTANT NOTICE**

ALL UTILITY LOCATIONS ARE APPROXIMATE CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

CALL TOLL FREE 1-800-422-4133

| NO. | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| | **REVISIONS** | | |

REGISTERED ENGINEER ROBERT A. SCHMITDT No. 71335 CIVIL STATE OF CALIFORNIA


FLOWERS & ASSOCIATES, INC.
115 W. Canon Perdido Street
Santa Barbara, CA 93101
Telephone (805) 966-2224


F&A CIVIL ENGINEERING • PLANNING CONSTRUCTION MANAGEMENT

BY: _____ DATE: 3/2/2026

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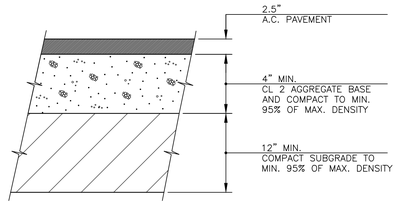
# SITE IMPROVEMENT PLAN
MAIN PLAYGROUND REPLACEMEMNT PLAN
CAPE CHARTER SCHOOL
777 AILEEN STREET
CITY OF CAMARILLO, CALIFORNIA

**C-1**

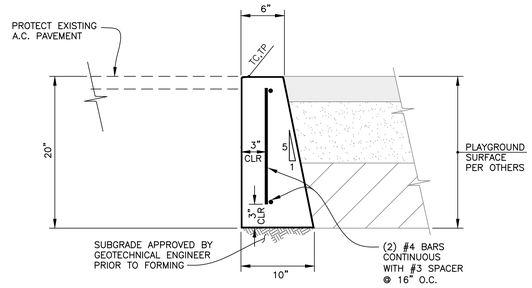
DATE: 10/26/2026

SHT. 3 OF 4

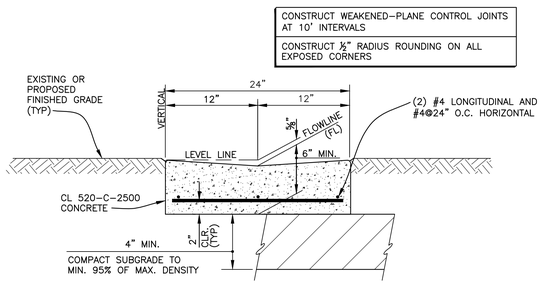
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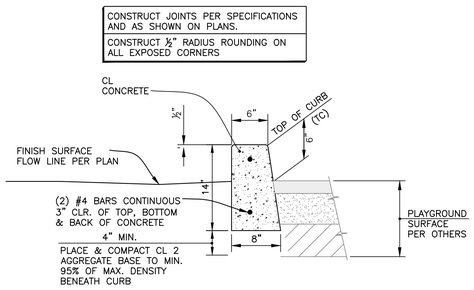

**1 TYPICAL A.C. PAVEMENT REPLACEMENT SECTION**
NOT TO SCALE




**2 PLAY AREA CONTAINMENT CURB DETAIL**
NOT TO SCALE




**3 CONCRETE GUTTER DETAIL**
NOT TO SCALE




**4 6" PLAYGROUND CURB DETAIL**
NOT TO SCALE

| NO. | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| | **REVISIONS** | | |

REGISTERED PROFESSIONAL ENGINEER ROBERT A. SCHMIDT No. 71335 CIVIL STATE OF CALIFORNIA


FLOWERS & ASSOCIATES, INC.
115 W. Canon Perdido Street
Santa Barbara, CA 93101
Telephone (805) 966-2224


DATE: 3/2/2026

BY:

F&A CIVIL ENGINEERING • PLANNING CONSTRUCTION MANAGEMENT

**CONSTRUCTION DETAILS**
MAIN PLAYGROUND REPLACEMENT PLANS
CAPE CHARTER SCHOOL
777 AILEEN STREET
CITY OF CAMARILLO, CALIFORNIA

**CD-1**

DATE: 10/26/2026

SHT. 4 OF 4

W.O. 2007


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**GEOTECHNIQUES**
1645 Donlon Street, Ste. 107
Ventura, California 93003
(805) 456-9585, (805) 658-8952

February 1, 2026 (rev. 2/25/26)
Project No. 1025.010

Pleasant Valley School District
600 Temple Avenue
Camarillo, California 93010

Attention: Ms. Sandra Lovaas, Measure C Bond Manager

Subject: Geotechnical Recommendations for Replacement of Playground Asphalt Concrete at CAPE Charter School, 777 Aileen Street, Camarillo, California

Dear Ms. Lovaas:

This geotechnical letter report provides recommendations for the preparation of subgrade and construction of west parking lot and north playground replacement asphalt concrete pavement at CAPE Charter School, in Camarillo, California.

## SITE CONDITIONS

The original playground pavement structural section consisted of about 3 inches of asphalt concrete that was subsequently overlain with Petromat and an additional approximately 2 inches asphalt concrete, and asphalt concrete thickness of approximately 3½ inches[1] was encountered in the west parking lot was (see Plate 1 for approximate locations of pavement section sampling). Subgrade soil is anticipated to consist of clayey silt with fine sand that is several percentage points over optimum moisture content.

## SUBGRADE PREPARATION RECOMMENDATIONS

Areas to receive replacement asphalt concrete structural section shall be underlain by a minimum of 12 inches of subgrade compacted to a minimum of 95 percent of the maximum dry density determined according to ASTM D1557.

### Preliminary Site Preparation

Contractor should rip and cross-rip subgrade soil upon removal of asphalt concrete structural section to maximize aeration potential of subgrade soils. Excavations and depressions, either existing or from removal of root-balls, below grade structures or improvements, or footings, or from rutting from demolition and construction equipment trafficking shall not be filled in or smoothed over outside the presence of the Geotechnical representative.

Contractor should avoid over-trafficking during demolition and subsequently in terms of applied pressure to subgrade (e.g., equipment type and weight) and repeated passes over ingress/egress and hauling lanes to prevent elevating subgrade moisture conditions and rutting. Contractor shall mitigate or repair at its expense, any rutting and elevated moisture conditions from demolition or earthmoving equipment.

---

[1] No petromat was encountered at sample location in west parking lot.

### Subgrade Preparation

Subgrade for asphalt concrete or on-grade concrete shall be excavated to a level corresponding to the structural section total thickness. Exposed subgrade soils likely will require ripping and cross-ripping and reducing the upper 1 foot to pea-sized consistency to effect aeration to within 2 percent of optimum moisture content. The excavation shall be deepened, as necessary to remove organics, topsoil, and deleterious material and extend a horizontal distance of an additional 1 foot beyond the asphalt concrete or new concrete in unimproved areas. The exposed surface in the excavation bottom shall be observed by the Geotechnical representative prior to ripping for aeration, scarification or compaction. Excavation bottoms likely shall require extended aeration periods (after scarification effecting pulverization) prior to compacting. Once the targeted moisture condition is achieved, processed materials shall then be compacted to a minimum of 95 percent of the maximum dry density determined by ASTM D1557, latest edition.

### Alternatives to Subgrade Aeration and Subgrade Stabilization

An alternative to aeration consists of the treatment of onsite over-moist clayey materials with cement to reduce elevated in-place moisture content and to effect "bridging" over potentially yielding, unstable underlying subgrade materials. For silty and clayey subgrade treatment, 3 to 4 percent cement (by weight), shall be thoroughly mixed into the upper 1 foot of the excavation bottom in accordance with Section 301-3.2.5 of the "Greenbook." The soil-cement mixture shall be moisture-conditioned and compacted to a minimum of 95 percent of the maximum dry density within 90 minutes of adding moisture to cement-treated soil and according to Section 301-3.2.7. The compacted soil-cement mixture shall be cured according to Section 301-3.2.10. At least 2 days of curing time shall be allowed prior to placement of general, select, or treated fill materials. This cement content is appropriate for low-contact pressure, lightweight equipment operation; heavier equipment and rubber tired equipment imposing higher contact pressures shall require higher cement concentrations—approaching 10 percent by weight (for a pavement recycler, for example)—and/or thicker treated zones in order to support heavier equipment loads during construction.

An alternative to cement treatment of subgrade consists of removal and replacement of the upper 1 foot of subgrade with aggregate base over Mirafi 600X, placed in accordance with the manufacturer’s instructions, with the full thickness of aggregate base placed before trafficking with lightweight spreading and compacting equipment so that “bridging” is achieved and maintained over underlying very moist soil.

Cement-treatment and replacement with aggregate base alternatives both require that the Contractor employ appropriate minimal equipment loading (i.e., lightweight equipment and appropriate for materials affected) and trafficking reduction measures to maintain integrity of the compacted subgrade and overlying base courses through completion of concrete placement.

### Contractor Awareness and Operations Considerations

The likelihood of encountering very moist subgrade soils should be factored into all aspects of demolition and construction to avoid exacerbating subgrade moisture conditions and inducing ‘pumping’ of subgrade materials.

Equipment loads during demolition and subgrade preparation in pavement and concrete improvement areas shall be minimized, as needed, to avoid increasing moisture content of exposed or underlying subgrade materials and in excavations and subsequently placed fill materials during fill placement and compaction. Examples of such excavating, spreading, processing and compacting equipment include low ground pressure track dozers or, to a greater extent, excavators or backhoes staged outside the excavation. Similar low or no-load means of compacting fill shall be used, as needed, including non-tired sheepsfoot compactors for fine-grained subgrade materials. Care shall be exercised to avoid repeated passes over ingress or egress areas, and to avoid overworking or overloading any area such that pumping conditions and elevated moisture contents and/or rutting are induced by demolition and/or construction operations.

Aeration of subgrade soils should be initiated at earliest well-forecasted and practicable opportunity along with subsequent episodes of turning and/or cross ripping to maximize exposure to drying effects.

Lightweight equipment shall be used for placing and compacting subsequent lifts and courses, as needed, until "bridging" over potentially unstable pumping subgrade soil is accomplished and risk of aggravating moisture conditions with other equipment is low (i.e., the "bridging" effect is not destroyed by subsequent heavy or repeated loadings).

Contractor shall proof-roll both compacted subgrade and aggregate base course with fully-loaded water truck with no deflections in presence of geotechnical representative prior to placing base and asphalt concrete, respectively.

**Fill Placement and Compaction**

Onsite soils are anticipated to be used as general fill once cleared of organic material, demolition or other debris, and any oversized rock. Earth materials placed as fill or within the upper 12 inches of subgrade in asphalt concrete pavement areas should consist of onsite excavated general fill or imported non-expansive materials. Unless noted otherwise herein, the upper 1 foot of subgrade materials shall be compacted to a minimum of 95 percent of the maximum dry density determined from ASTM D1557.

Subgrade and onsite soils used as fill and imported fill materials shall be placed and compacted at a moisture content of between 0 and 2 percent over optimum moisture content. Each layer shall be spread evenly in loose lifts no thicker than 8 inches and shall be thoroughly blade-mixed during the spreading to reduce soil consistency to pea-size or finer and to provide relative uniformity of material within each layer. Fill and backfill materials may need to be placed in thinner lifts to achieve the recommended compaction with the equipment being used. Soft or yielding materials shall be removed and be replaced with properly compacted fill material, prior to placing the next layer.

Rock, gravel and other oversized material greater than 3 inches in diameter, shall be removed from the subgrade and fill material being placed. Rock less than 3 inches in diameter shall not be nested and voids caused by inclusion of rock in the fill shall be filled with sand or other approved material. All roots larger than ½-inch diameter shall be removed and discarded.

All subgrade and fill materials, including scarified materials, shall be thoroughly processed to pea-sized or finer consistency prior to aeration and applying compactive effort.

Blading or turning very moist to wet soils shall be necessary to effect uniform aeration throughout the targeted layer of soil. When the moisture content of the fill material is below that sufficient to achieve the recommended compaction, water shall be added to the fill during processing. While water is being added, the soil shall be bladed and mixed to provide relatively uniform moisture content throughout the material. .

Surfaces shall be finished to uniform grades and slopes in accordance with contract documents and in such a manner to drain properly, convey runoff to existing and new drainage improvements, and be free from depressions that may cause areas of standing water or concentrates runoff on finished surface.

## FILL MATERIALS

Fill shall be free of organics, oversize material (e.g., greater than 3 inches in diameter), trash and debris, and other deleterious material. The expansion index of imported materials or onsite materials used as general fill shall be tested, as necessary, during earthmoving operations to verify that the expansion index of the material is suitable for its use.

**Onsite Soils.** Onsite soils are generally anticipated to consist predominantly of clayey silt with fine sand that meets the requirements for general fill.

**General Fill.** General fill materials shall have an expansion index less than or equal to 40. If necessary, general fill may be blended with sand or dry cement just prior to compaction to reduce the expansion index.

There is a potential that silty and clayey onsite general fill materials, where encountered, could be sensitive to changes in moisture content. Control of moisture content, compaction layer thickness, and efficiency and appropriateness of equipment to soil type will likely be necessary to achieve and maintain the recommended compaction.

**Imported Fill.** Imported fill to be used as general fill shall meet or exceed the requirements of general fill material and shall be non-expansive. Imported fill materials shall be observed, tested as necessary, and accepted by Geotechniques prior to being brought to the site.

**Aggregate Base.** Aggregate base materials shall consist of imported material conforming to Caltrans Standard Specifications for Class 2 aggregate base, Section 26-1.02B [Caltrans, 2024] or Section 200-2.4 of the “Greenbook” (Public Works Standards, Inc., latest edition) for Crushed Miscellaneous Base (CMB).

A minimum 4-inch compacted thickness of aggregate base course is required beneath on-grade concrete and asphalt concrete courses. Aggregate base shall be moisture conditioned to optimum moisture content before placing and spreading and shall be compacted to a minimum of 95 percent of the maximum dry density. Aggregate base materials shall be laterally confined during compaction to achieve the minimum compaction requirements.

**Asphalt Concrete.** Material for new asphalt concrete playground pavement should consist of plant-mixed 3/8-inch D2 RAP and ½-inch (coarse) C1 in the side parking lot (Greenbook Table 203-6.4.4, 2024). Asphalt shall be PG-64-10 performance grade binder, per Caltrans Standard Specifications Section 92. Gradation of aggregate and asphalt content of the mix shall be such that a smooth dense finished surface is produced.

**Bedding Sand in Utility Trenches.** Sand used as bedding and pipe zone sand in utility trenches shall conform to Caltrans Standard Specifications for sand bedding, Section 19-3.02F(2) (2024) and have a minimum Sand Equivalent (SE) of 30. The sand shall have a gradation that allows the material to maintain a compacted surface condition during construction operations until concrete placement or until pipe and/or subsequent lift placement (i.e., as bedding or pipe zone sand in utility trench).

## ASPHALT CONCRETE AND ON-GRADE CONCRETE SECTION THICKNESS

Subgrade for asphalt concrete and on-grade concrete to receive rare fire truck traffic should be prepared as recommended previously (see "**SITE SUBGRADE PREPARATION RECOMMENDATIONS**"). Subgrade and aggregate base courses shall be firm and unyielding and proof-rolled with a full water truck or equivalent in the presence of the Geotechnical representative prior to placement of the successive structural section course (i.e., aggregate base or asphalt concrete or concrete).

Surfaces shall be finished to uniform grades and slopes in accordance with contract documents and in such a manner to drain properly, convey runoff to existing and new drainage improvements, and be free from depressions that may cause areas of standing water or concentrates runoff on finished surface.

**Asphalt Concrete Playground and Side Parking Lot Pavement.** Asphalt concrete pavement for playground and side parking lot pavement replacement shall, at a minimum, consist of the following:

| Pavement Area | Asphalt Concrete Thickness (inches) | Aggregate Base Thickness (inches) |
|---|---|---|
| Playground/Fire truck access | 2½ | 4 |
| Side Parking Lot | 3 | 6 |

Aggregate base should be compacted to a minimum of 95 percent of the maximum dry density. The base course should be firm and unyielding when proof-rolled with a full water truck in the presence of the Geotechnical representative prior to asphalt concrete laydown. Asphalt concrete should be compacted to a minimum of 95 percent of the maximum density.

## UTILITY TRENCHES AND EXCAVATION

Utility trenches shall be braced or sloped in accordance with the requirements of (Cal) OSHA. Utility trench backfill shall be governed by the provisions of this report relating to minimum compaction recommendations.

Prior to excavation, the grass and root mat shall be stripped and wasted (or set aside for reuse at surface upon completion of backfilling trench) along the trench alignment and in excavation stockpile areas.

Excavations and trenches shall be sufficiently wide to accommodate equipment size needed for proper compaction of bedding, pipe zone and backfill materials. Trench and excavation bottoms shall be excavated to a firm uniform bottom free of loose, disturbed material and observed by the Geotechnical representative prior to placement of bedding. Aggregate

base materials may be used as bedding, as required, to mitigate soft, yielding excavation bottoms, where encountered.

Trench backfill shall be moisture conditioned between 0 and 2 percent over optimum moisture content prior to placing in trench. Backfill shall be compacted to a minimum of 90 percent relative compaction as determined from ASTM D1557, and 95 percent within the upper 1 foot of subgrade in pavement or on-grade concrete areas, or within a 1h:1v influence zone of footings[2].

Rock larger than 3 inches in maximum dimension shall be excluded from backfill. Jetting of trench backfill materials shall not be permitted.

Trench backfill materials shall consist of bedding and pipe zone sand placed a minimum thickness of 4 inches below the pipe invert and to a height of 12 inches above the top of the pipe. Bedding and pipe zone sand shall consist of fine to medium or coarse sand with a minimum Sand Equivalent (SE) of 30. General fill or pipe zone sand shall be placed as backfill above the pipe zone in 8-inch loose lifts and compacted to the minimum relative compaction summarized above. General backfill materials shall meet the preceding recommendations of this report, “Fill Placement and Compaction” and “Fill Materials.”

## CLOSURE

The recommendations in this letter are specific to the scope of the proposed replacement playground and side parking lot asphalt concrete at CAPE Charter School. The presence of hazardous and/or toxic materials is not within the scope of services provided for this study.

We appreciate the opportunity to be of service to Pleasant Valley School District. Please call if you have any questions concerning this letter report.

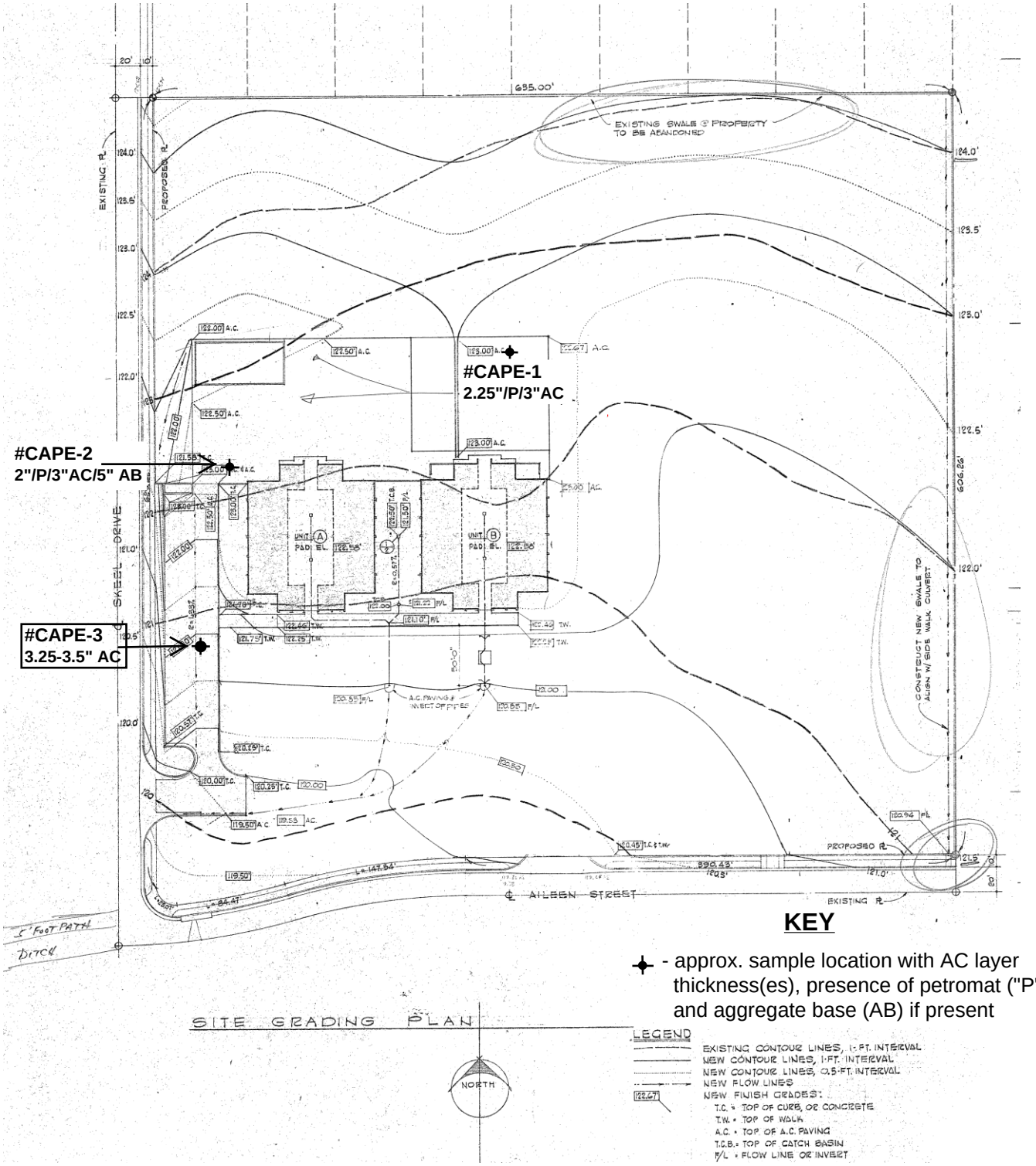
Sincerely,

**Geotechniques**

Carole Wockner, P.E.
Principal Engineer
R.C. E. No. 74407, exp 09/30/27

Attachment: Plate 1

[2] Where this is not feasible because of access constraints or for expediency, a 1½-sack cement and sand slurry may be used.




## KEY

✦ - approx. sample location with AC layer thickness(es), presence of petromat ("P"), and aggregate base (AB) if present

SITE GRADING PLAN

NORTH

LEGEND

- EXISTING CONTOUR LINES, 1-FT. INTERVAL
- NEW CONTOUR LINES, 1-FT. INTERVAL
- NEW CONTOUR LINES, 0.5-FT. INTERVAL
- NEW FLOW LINES
- NEW FINISH GRADES: 122.67
  - T.C. = TOP OF CURB, OR CONCRETE
  - T.W. = TOP OF WALK
  - A.C. = TOP OF A.C. PAVING
  - T.C.B. = TOP OF CATCH BASIN
  - F/L = FLOW LINE OR INVERT

**PLATE 1**

**CAPE Charter School**
**Camarillo, California**
rev. 2/25/26

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

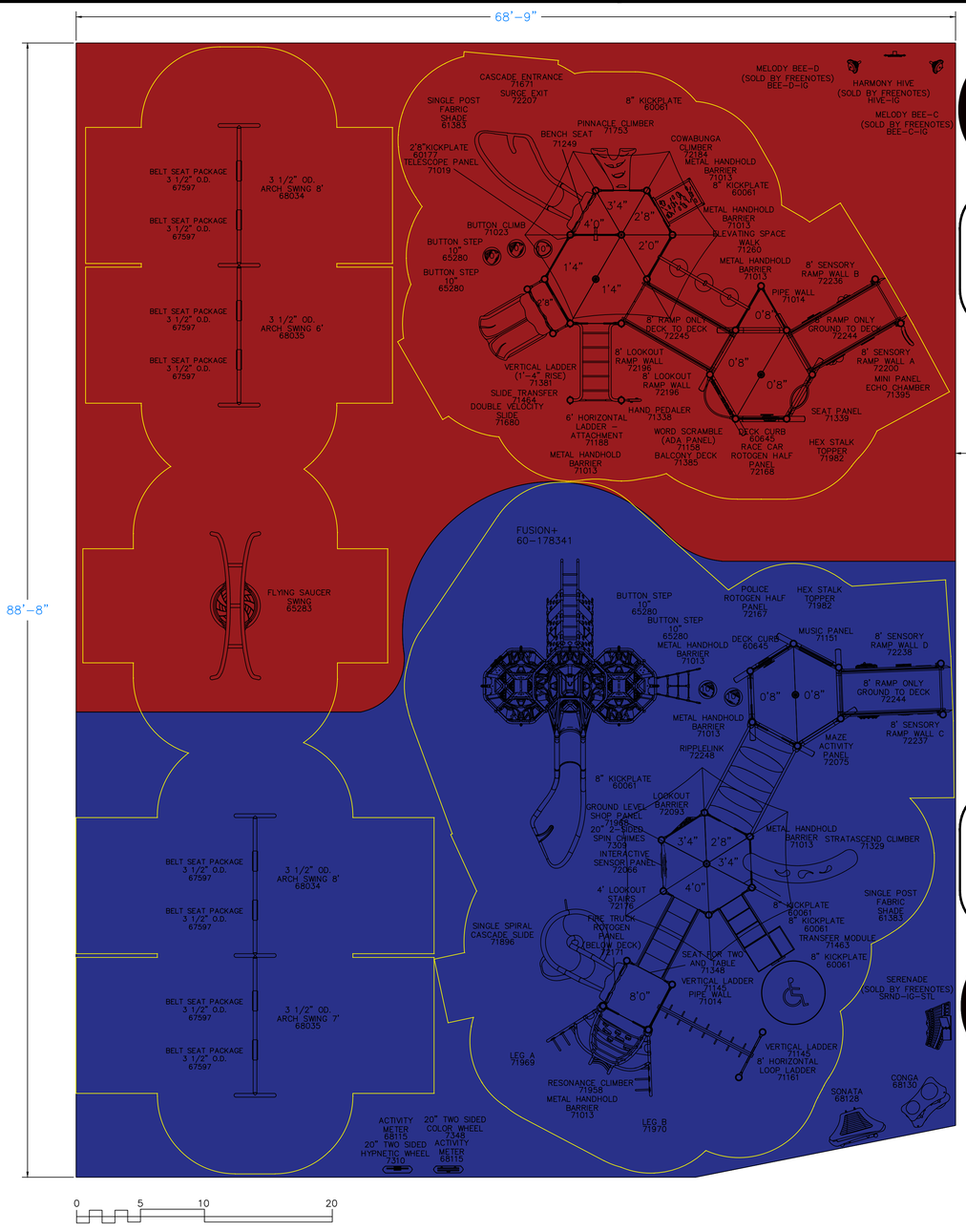
Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

SUPERmax PLAY SYSTEMS
FREENOTES HARMONY PARK™




This equipment is designed for children **2-5** years old

| | | | | |
|---|---|---|---|---|
| Total Play Components | 25 | | | |
| Elevated Play Components | 11 | | | |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 | |
| Elevated Components Accessible by Transfer | 11 | Req. | 6 | |
| Accessible Ground Level Components Shown | 14 | Req. | 8 | |
| Different Types of Ground Level Components | 5 | Req. | 5 | |

User Capacity
100-110
Critical Fall Height
7'-0"

TOTAL OVERALL AREA
6057 SQ FT
312 LINEAR FT
RED: 2993 SQ FT
BLUE: 3064 SQ FT

This equipment is designed for children **5-12** years old

| | | | | |
|---|---|---|---|---|
| Total Play Components | 26 | | | |
| Elevated Play Components | 10 | | | |
| Elevated Play Components Accessible by Ramp | 5 | Req. | 0 | |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 | |
| Accessible Ground Level Components Shown | 16 | Req. | 8 | |
| Different Types of Ground Level Components | 5 | Req. | 5 | |

User Capacity
90-100
Critical Fall Height
9'-0"

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.









**UPRIGHT** BLUE **ACCENT** WHITE **DECK** GRAY **PLASTIC** RED **HDPE** RED **HDPE2C** RED/WHITE **SHADE** NAVY BLUE **ROOF** N/A **CABLE** N/A **MAX/APEX** GRAY

# CAPE ELEMENTARY SCHOOL OPTION 1

## CAMARILLO , CA

821-179178B

**PLEASE NOTE:** RENDERINGS ARE FOR VISUAL PURPOSES ONLY. ANY PRODUCTS AND/OR SITE DETAILS HEREIN MAYBE SUBJECT TO CHANGE WITHOUT NOTICE.

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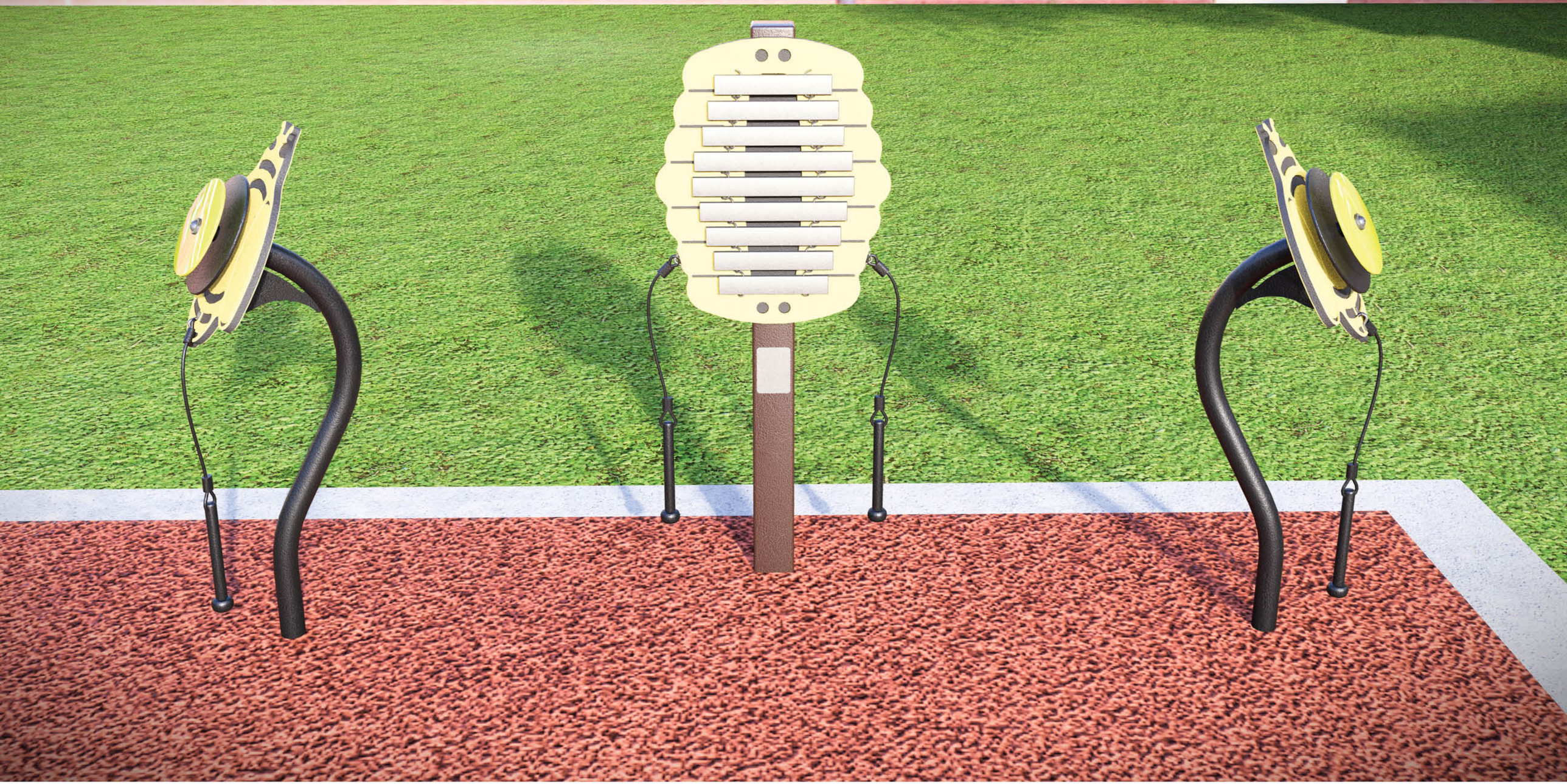
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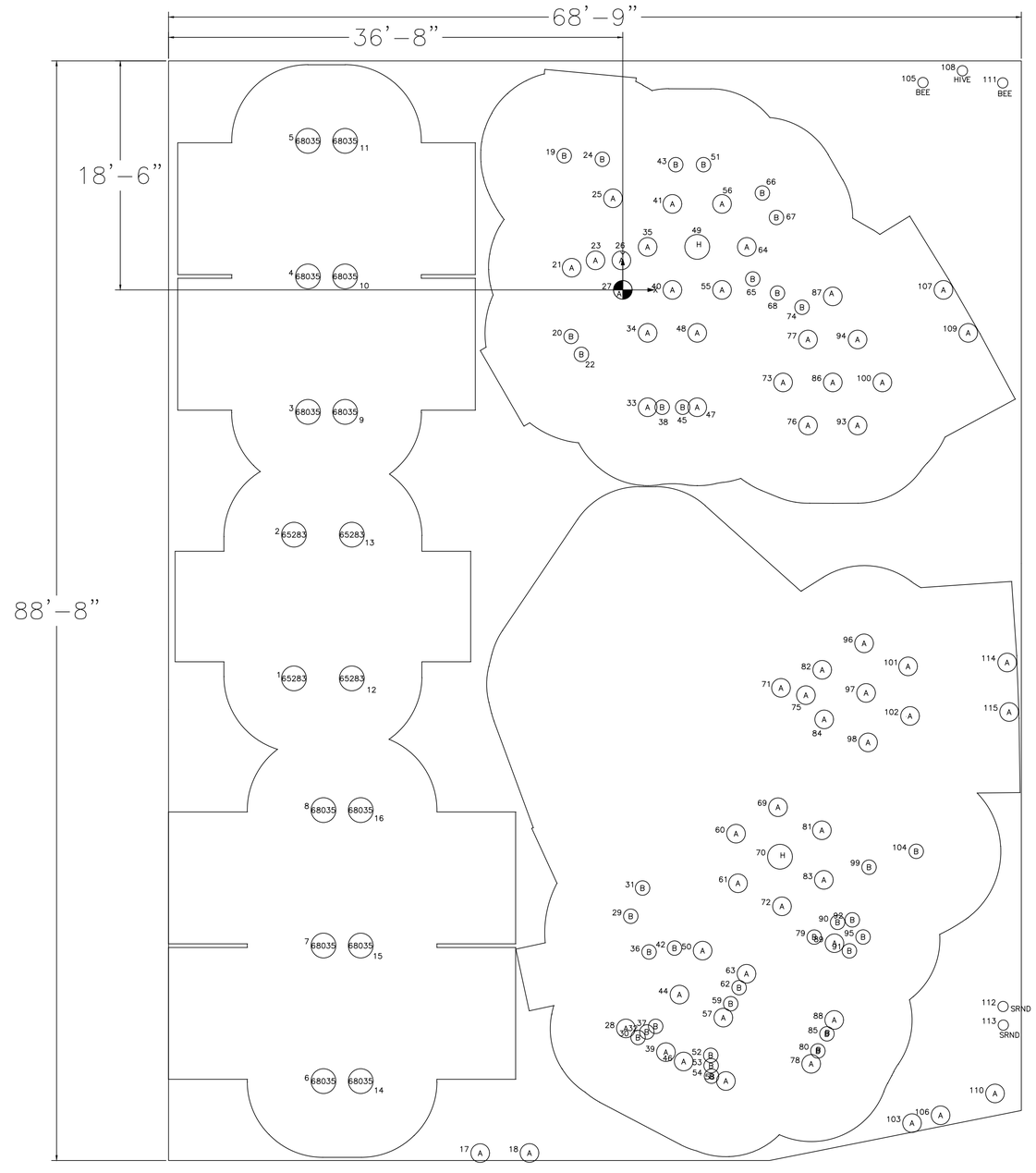
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# Order 6462600 & 6462601

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FREE NOTES HARMONY PARK™




| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | –26'–6" | –31'–4 1/2" | 41'–1" |
| 2 | –26'–6" | –19'–9 1/2" | 33'–1" |
| 3 | –25'–4 1/2" | –9'–10 1/2" | 27'–3" |
| 4 | –25'–4 1/2" | 1'–0 1/2" | 25'–5" |
| 5 | –25'–4 1/2" | 11'–11 1/2" | 28'–1" |
| 6 | –24'–1 1/2" | –63'–10 1/2" | 68'–3 1/2" |
| 7 | –24'–1 1/2" | –52'–10 1/2" | 58'–1 1/2" |
| 8 | –24'–1 1/2" | –41'–11 1/2" | 48'–5" |
| 9 | –22'–4 1/2" | –9'–10 1/2" | 24'–5 1/2" |
| 10 | –22'–4 1/2" | 1'–0 1/2" | 22'–5" |
| 11 | –22'–4 1/2" | 11'–11 1/2" | 25'–4 1/2" |
| 12 | –21'–10" | –31'–4 1/2" | 38'–3" |
| 13 | –21'–10" | –19'–9 1/2" | 29'–6" |
| 14 | –21'–1 1/2" | –63'–10 1/2" | 67'–3 1/2" |
| 15 | –21'–1 1/2" | –52'–10 1/2" | 56'–11 1/2" |
| 16 | –21'–1 1/2" | –41'–11 1/2" | 47' |
| 17 | –11'–6" | –69'–7 1/2" | 70'–7" |
| 18 | –7'–6 1/2" | –69'–7 1/2" | 70'–0 1/2" |
| 19 | –4'–8 1/2" | 10'–9 1/2" | 11'–9 1/2" |
| 20 | –4'–2" | –3'–9 1/2" | 5'–7 1/2" |
| 21 | –4'–1 1/2" | 1'–8 1/2" | 4'–5 1/2" |
| 22 | –3'–4" | –5'–2 1/2" | 6'–2 1/2" |
| 23 | –2'–2 1/2" | 2'–4 1/2" | 3'–3" |
| 24 | –1'–8" | 10'–6 1/2" | 10'–8" |
| 25 | –9 1/2" | 7'–4 1/2" | 7'–5" |
| 26 | –1 1/2" | 2'–4 1/2" | 2'–4 1/2" |
| 27 | 0" | –1/2" | 1/2" |
| 28 | 3" | –59'–7 1/2" | 59'–7 1/2" |
| 29 | 7 1/2" | –50'–6 1/2" | 50'–6 1/2" |
| 30 | 1'–2 1/2" | –60'–3 1/2" | 60'–3 1/2" |
| 31 | 1'–7" | –48'–3 1/2" | 48'–4" |
| 32 | 1'–11 1/2" | –59'–10 1/2" | 59'–11" |
| 33 | 2' | –9'–5 1/2" | 9'–8" |
| 34 | 2' | –3'–5 1/2" | 4' |
| 35 | 2' | 3'–5 1/2" | 4' |
| 36 | 2'–1 1/2" | –53'–5 1/2" | 53'–6" |
| 37 | 2'–8" | –59'–5 1/2" | 59'–6 1/2" |
| 38 | 3'–2" | –9'–5 1/2" | 10' |
| 39 | 3'–5 1/2" | –61'–6 1/2" | 61'–7 1/2" |
| 40 | 4' | –1/2" | 4' |
| 41 | 4' | 6'–10 1/2" | 7'–11 1/2" |
| 42 | 4'–2" | –53'–1 1/2" | 53'–3 1/2" |
| 43 | 4'–3 1/2" | 10'–0 1/2" | 10'–11" |
| 44 | 4'–7" | –56'–10 1/2" | 57'–1" |
| 45 | 4'–10" | –9'–5 1/2" | 10'–7 1/2" |
| 46 | 4'–11" | –62'–3 1/2" | 62'–6" |
| 47 | 6' | –9'–5 1/2" | 11'–2 1/2" |
| 48 | 6' | –3'–5 1/2" | 6'–11" |
| 49 | 6' | 3'–5 1/2" | 6'–11" |
| 50 | 6'–5" | –53'–3 1/2" | 53'–8" |
| 51 | 6'–6" | 10'–0 1/2" | 11'–11 1/2" |
| 52 | 7'–1" | –61'–9 1/2" | 62'–2 1/2" |
| 53 | 7'–1 1/2" | –62'–7 1/2" | 63'–0 1/2" |
| 54 | 7'–2" | –63'–5 1/2" | 63'–10 1/2" |
| 55 | 8' | –1/2" | 8' |
| 56 | 8' | 6'–10 1/2" | 10'–6 1/2" |
| 57 | 8'–1 1/2" | –58'–8 1/2" | 59'–3" |
| 58 | 8'–4" | –63'–9 1/2" | 64'–4" |
| 59 | 8'–8 1/2" | –57'–7 1/2" | 58'–3 1/2" |
| 60 | 9'–1 1/2" | –43'–10 1/2" | 44'–10" |
| 61 | 9'–3 1/2" | –47'–10 1/2" | 48'–9 1/2" |
| 62 | 9'–4 1/2" | –56'–3 1/2" | 57'–1" |
| 63 | 9'–11 1/2" | –55'–2 1/2" | 56'–1 1/2" |
| 64 | 10' | 3'–5 1/2" | 10'–2" |
| 65 | 10'–6" | 10 1/2" | 10'–6" |
| 66 | 11'–3" | 7'–9 1/2" | 13'–8" |
| 67 | 12'–4 1/2" | 5'–9 1/2" | 13'–8" |
| 68 | 12'–5 1/2" | –3 1/2" | 12'–5 1/2" |
| 69 | 12'–6" | –41'–8 1/2" | 43'–6 1/2" |
| 70 | 12'–8" | –45'–8 1/2" | 47'–5" |
| 71 | 12'–9" | –32'–1 1/2" | 34'–7" |
| 72 | 12'–10" | –49'–8 1/2" | 51'–4" |
| 73 | 12'–11" | –7'–5 1/2" | 14'–11" |
| 74 | 14'–5 1/2" | –1'–5 1/2" | 14'–6 1/2" |
| 75 | 14'–9" | –32'–8 1/2" | 35'–10 1/2" |
| 76 | 14'–11" | –10'–11 1/2" | 18'–6 1/2" |
| 77 | 14'–11" | –4'–0 1/2" | 15'–5 1/2" |
| 78 | 15'–2 1/2" | –62'–5 1/2" | 64'–3 1/2" |
| 79 | 15'–5 1/2" | –52'–2 1/2" | 54'–5 1/2" |
| 80 | 15'–9" | –61'–4 1/2" | 63'–4 1/2" |
| 81 | 16'–0 1/2" | –43'–7 1/2" | 46'–6" |
| 82 | 16'–1" | –30'–8 1/2" | 34'–8" |
| 83 | 16'–2 1/2" | –47'–7 1/2" | 50'–4" |
| 84 | 16'–3" | –34'–8 1/2" | 38'–4" |
| 85 | 16'–5 1/2" | –60'–0 1/2" | 62'–3" |
| 86 | 16'–11" | –7'–5 1/2" | 18'–6" |
| 87 | 16'–11 1/2" | –6 1/2" | 16'–11 1/2" |
| 88 | 17'–0 1/2" | –58'–10 1/2" | 61'–3 1/2" |
| 89 | 17'–1" | –52'–8 1/2" | 55'–5" |
| 90 | 17'–4" | –51'–0 1/2" | 53'–11" |
| 91 | 18'–3 1/2" | –53'–3 1/2" | 56'–4" |
| 92 | 18'–6" | –50'–9 1/2" | 54'–0 1/2" |
| 93 | 18'–11" | –10'–11 1/2" | 21'–10 1/2" |
| 94 | 18'–11" | –4'–0 1/2" | 19'–4 1/2" |
| 95 | 19'–4 1/2" | –52'–2 1/2" | 55'–8 1/2" |
| 96 | 19'–5 1/2" | –28'–6 1/2" | 34'–6 1/2" |
| 97 | 19'–7 1/2" | –32'–6 1/2" | 38' |
| 98 | 19'–9 1/2" | –36'–6 1/2" | 41'–6 1/2" |
| 99 | 19'–10 1/2" | –46'–6 1/2" | 50'–7 1/2" |
| 100 | 20'–11" | –7'–5 1/2" | 22'–2 1/2" |
| 101 | 23' | –30'–4 1/2" | 38'–1" |
| 102 | 23'–2" | –34'–4 1/2" | 41'–5 1/2" |
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| 105 | 24'–2 1/2" | 16'–8 1/2" | 29'–5" |
| 106 | 25'–7 1/2" | –66'–7 1/2" | 71'–4 1/2" |
| 107 | 25'–10 1/2" | –1/2" | 25'–10 1/2" |
| 108 | 27'–4 1/2" | 17'–7 1/2" | 32'–7" |
| 109 | 27'–10 1/2" | –3'–5 1/2" | 28'–1" |
| 110 | 30' | –64'–10 1/2" | 71'–6" |
| 111 | 30'–7 1/2" | 16'–7 1/2" | 34'–10 1/2" |
| 112 | 30'–8" | –57'–9 1/2" | 65'–5" |
| 113 | 30'–8" | –59'–3 1/2" | 66'–0" |
| 114 | 31' | –30'–0 1/2" | 43'–2" |
| 115 | 31'–2" | –34'–0 1/2" | 46'–2" |

IF FOOTING CONTAINS A COMPONENT NUMBER, REFERENCE THE INSTALLATION MANUAL FOR COMPONENT FOOTING SPECS.

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH | QTY. |
| A | 1'–6" [45.72cm] | 2'–6" [76.20cm] | 58 |
| B | 1'–2" [35.56cm] | 2'–6" [76.20cm] | 36 |
| D | 2'–0" [60.96cm] | 2'–6" [76.20cm] | 16 |
| H | (2'–0")" [45.72cm] | 5'–0" [152.40cm] | 2 |

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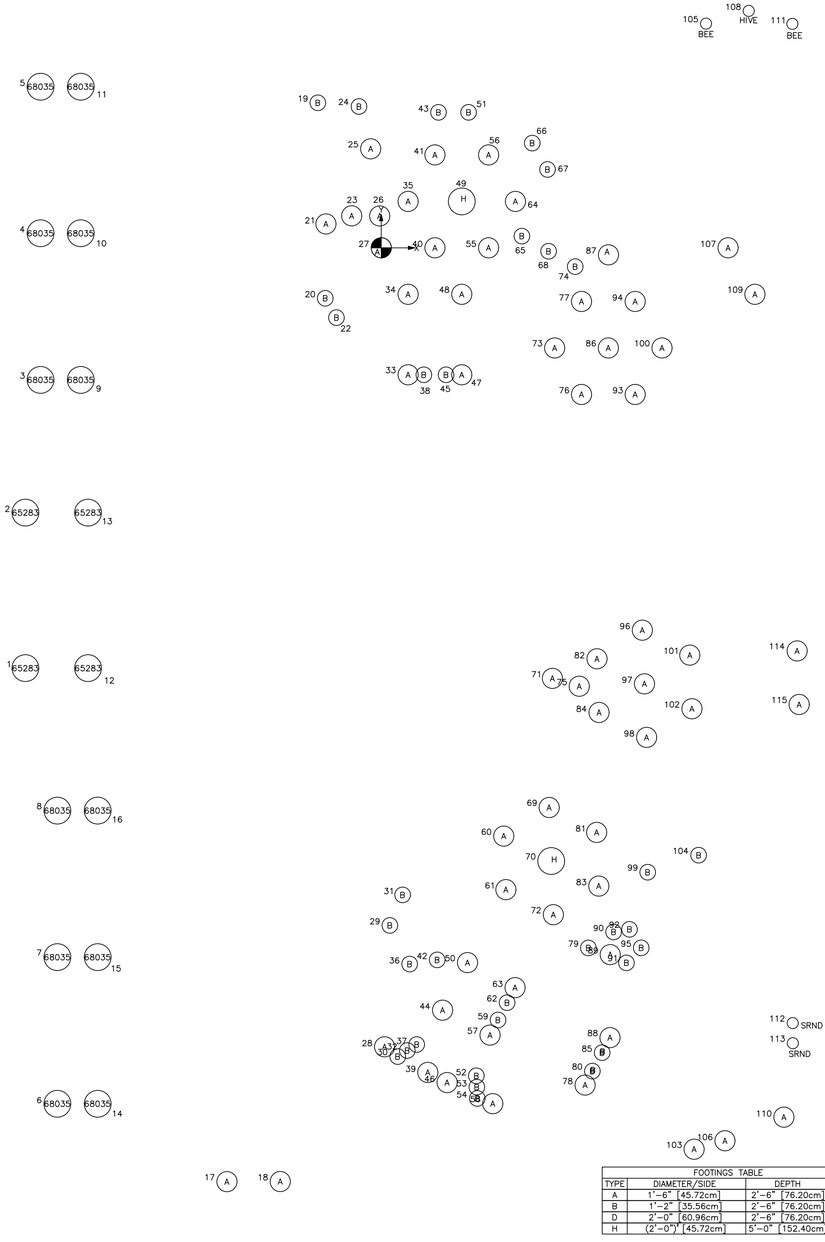
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# Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS




| FOOTINGS ORDINATE TABLE | | | |
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| HOLE | X | Y | DIAG |
| 1 | -26'-6" | -31'-4 1/2" | 41'-1" |
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| 3 | -25'-4 1/2" | -9'-10 1/2" | 27'-3" |
| 4 | -25'-4 1/2" | 1'-0 1/2" | 25'-5" |
| 5 | -25'-4 1/2" | 11'-11 1/2" | 28'-1" |
| 6 | -24'-1 1/2" | -63'-10 1/2" | 68'-3 1/2" |
| 7 | -24'-1 1/2" | -52'-10 1/2" | 58'-1 1/2" |
| 8 | -24'-1 1/2" | -41'-11 1/2" | 48'-5" |
| 9 | -22'-4 1/2" | -9'-10 1/2" | 24'-5 1/2" |
| 10 | -22'-4 1/2" | 1'-0 1/2" | 22'-5" |
| 11 | -22'-4 1/2" | 11'-11 1/2" | 25'-4 1/2" |
| 12 | -21'-10" | -31'-4 1/2" | 38'-3" |
| 13 | -21'-10" | -19'-9 1/2" | 29'-6" |
| 14 | -21'-1 1/2" | -63'-10 1/2" | 67'-3 1/2" |
| 15 | -21'-1 1/2" | -52'-10 1/2" | 56'-11 1/2" |
| 16 | -21'-1 1/2" | -41'-11 1/2" | 47' |
| 17 | -11'-6" | -69'-7 1/2" | 70'-7" |
| 18 | -7'-6 1/2" | -69'-7 1/2" | 70'-0 1/2" |
| 19 | -4'-8 1/2" | 10'-9 1/2" | 11'-9 1/2" |
| 20 | -4'-2" | -3'-9 1/2" | 5'-7 1/2" |
| 21 | -4'-1 1/2" | 1'-8 1/2" | 4'-5 1/2" |
| 22 | -3'-4" | -5'-2 1/2" | 6'-2 1/2" |
| 23 | -2'-2 1/2" | 2'-4 1/2" | 3'-3" |
| 24 | -1'-8" | 10'-6 1/2" | 10'-8" |
| 25 | -9 1/2" | 7'-4 1/2" | 7'-5" |
| 26 | -1 1/2" | 2'-4 1/2" | 2'-4 1/2" |
| 27 | 0" | -1/2" | 1/2" |
| 28 | 3" | -59'-7 1/2" | 59'-7 1/2" |
| 29 | 7 1/2" | -50'-6 1/2" | 50'-6 1/2" |
| 30 | 1'-2 1/2" | -60'-3 1/2" | 60'-3 1/2" |
| 31 | 1'-7" | -48'-3 1/2" | 48'-4" |
| 32 | 1'-11 1/2" | -59'-10 1/2" | 59'-11" |
| 33 | 2' | -9'-5 1/2" | 9'-8" |
| 34 | 2' | -3'-5 1/2" | 4' |
| 35 | 2' | 3'-5 1/2" | 4" |
| 36 | 2'-1 1/2" | -53'-5 1/2" | 53'-6" |
| 37 | 2'-8" | -59'-5 1/2" | 59'-6 1/2" |
| 38 | 3'-2" | -9'-5 1/2" | 10' |
| 39 | 3'-5 1/2" | -61'-6 1/2" | 61'-7 1/2" |
| 40 | 4' | -1/2" | 4' |
| 41 | 4' | 6'-10 1/2" | 7'-11 1/2" |
| 42 | 4'-2" | -53'-1 1/2" | 53'-3 1/2" |
| 43 | 4'-3 1/2" | 10'-0 1/2" | 10'-11" |
| 44 | 4'-7" | -56'-10 1/2" | 57'-1" |
| 45 | 4'-10" | -9'-5 1/2" | 10'-7 1/2" |
| 46 | 4'-11" | -62'-3 1/2" | 62'-6" |
| 47 | 6' | -9'-5 1/2" | 11'-2 1/2" |
| 48 | 6' | -3'-5 1/2" | 6'-11" |
| 49 | 6' | 3'-5 1/2" | 6'-11" |
| 50 | 6'-5" | -53'-3 1/2" | 53'-8" |
| 51 | 6'-6" | 10'-0 1/2" | 11'-11 1/2" |
| 52 | 7'-1" | -61'-9 1/2" | 62'-2 1/2" |
| 53 | 7'-1 1/2" | -62'-7 1/2" | 63'-0 1/2" |
| 54 | 7'-2" | -63'-5 1/2" | 63'-10 1/2" |
| 55 | 8' | -1/2" | 8' |
| 56 | 8' | 6'-10 1/2" | 10'-6 1/2" |
| 57 | 8'-1 1/2" | -58'-8 1/2" | 59'-3" |
| 58 | 8'-4" | -63'-9 1/2" | 64'-4" |
| 59 | 8'-8 1/2" | -57'-7 1/2" | 58'-3 1/2" |
| 60 | 9'-1 1/2" | -43'-10 1/2" | 44'-10" |
| 61 | 9'-3 1/2" | -47'-10 1/2" | 48'-9 1/2" |
| 62 | 9'-4 1/2" | -56'-3 1/2" | 57'-1" |
| 63 | 9'-11 1/2" | -55'-2 1/2" | 56'-1 1/2" |
| 64 | 10' | 3'-5 1/2" | 10'-7" |
| 65 | 10'-6" | 10 1/2" | 10'-6" |
| 66 | 11'-3" | 7'-9 1/2" | 13'-8" |
| 67 | 12'-4 1/2" | 5'-9 1/2" | 13'-8" |
| 68 | 12'-5 1/2" | -3 1/2" | 12'-5 1/2" |
| 69 | 12'-6" | -41'-8 1/2" | 43'-6 1/2" |
| 70 | 12'-8" | -45'-8 1/2" | 47'-5" |
| 71 | 12'-9" | -32'-1 1/2" | 34'-7" |
| 72 | 12'-10" | -49'-8 1/2" | 51'-4" |
| 73 | 12'-11" | -7'-5 1/2" | 14'-11" |
| 74 | 14'-5 1/2" | -1'-5 1/2" | 14'-6 1/2" |
| 75 | 14'-9" | -32'-8 1/2" | 35'-10 1/2" |
| 76 | 14'-11" | -10'-11 1/2" | 18'-6 1/2" |
| 77 | 14'-11" | -4'-0 1/2" | 15'-5 1/2" |
| 78 | 15'-2 1/2" | -62'-5 1/2" | 64'-3 1/2" |
| 79 | 15'-5 1/2" | -52'-2 1/2" | 54'-5 1/2" |
| 80 | 15'-9" | -61'-4 1/2" | 63'-4 1/2" |
| 81 | 16'-0 1/2" | -43'-7 1/2" | 46'-6" |
| 82 | 16'-1" | -30'-8 1/2" | 34'-8" |
| 83 | 16'-2 1/2" | -47'-7 1/2" | 50'-4" |
| 84 | 16'-3" | -34'-8 1/2" | 38'-4" |
| 85 | 16'-5 1/2" | -60'-0 1/2" | 62'-3" |
| 86 | 16'-11" | -7'-5 1/2" | 18'-6" |
| 87 | 16'-11 1/2" | -6 1/2" | 16'-11 1/2" |
| 88 | 17'-0 1/2" | -58'-10 1/2" | 61'-3 1/2" |
| 89 | 17'-1" | -52'-8 1/2" | 55'-5" |
| 90 | 17'-4" | -51'-0 1/2" | 53'-11" |
| 91 | 18'-3 1/2" | -53'-3 1/2" | 56'-4" |
| 92 | 18'-6" | -50'-9 1/2" | 54'-0 1/2" |
| 93 | 18'-11" | -10'-11 1/2" | 21'-10 1/2" |
| 94 | 18'-11" | -4'-0 1/2" | 19'-4 1/2" |
| 95 | 19'-4 1/2" | -52'-2 1/2" | 55'-8 1/2" |
| 96 | 19'-5 1/2" | -28'-6 1/2" | 34'-6 1/2" |
| 97 | 19'-7 1/2" | -32'-6 1/2" | 38' |
| 98 | 19'-9 1/2" | -36'-6 1/2" | 41'-6 1/2" |
| 99 | 19'-10 1/2" | -46'-6 1/2" | 50'-7 1/2" |
| 100 | 20'-11" | -7'-5 1/2" | 22'-2 1/2" |
| 101 | 23' | -30'-4 1/2" | 38'-1" |
| 102 | 23'-2" | -34'-4 1/2" | 41'-5 1/2" |
| 103 | 23'-4" | -67'-2 1/2" | 71'-1 1/2" |
| 104 | 23'-8" | -45'-3 1/2" | 51'-1" |
| 105 | 24'-2 1/2" | 16'-8 1/2" | 29'-5" |
| 106 | 25'-7 1/2" | -66'-7 1/2" | 71'-4 1/2" |
| 107 | 25'-10 1/2" | -1/2" | 25'-10 1/2" |
| 108 | 27'-4 1/2" | 17'-7 1/2" | 32'-7" |
| 109 | 27'-10 1/2" | -3'-5 1/2" | 28'-1" |
| 110 | 30' | -64'-10 1/2" | 71'-6" |
| 111 | 30'-7 1/2" | 16'-7 1/2" | 34'-10 1/2" |
| 112 | 30'-8" | -57'-9 1/2" | 65'-5" |
| 113 | 30'-8" | -59'-3 1/2" | 66'-9" |
| 114 | 31' | -30'-0 1/2" | 43'-2" |
| 115 | 31'-2" | -34'-0 1/2" | 46'-2" |

IF FOOTING CONTAINS A COMPONENT NUMBER, REFERENCE THE INSTALLATION MANUAL FOR COMPONENT FOOTING SPECS.

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH | QTY. |
| A | 1'-6" [45.72cm] | 2'-6" [76.20cm] | 58 |
| B | 1'-2" [35.56cm] | 2'-6" [76.20cm] | 36 |
| D | 2'-0" [60.96cm] | 2'-6" [76.20cm] | 16 |
| H | (2'-0") [45.72cm] | 5'-0" [152.40cm] | 2 |

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

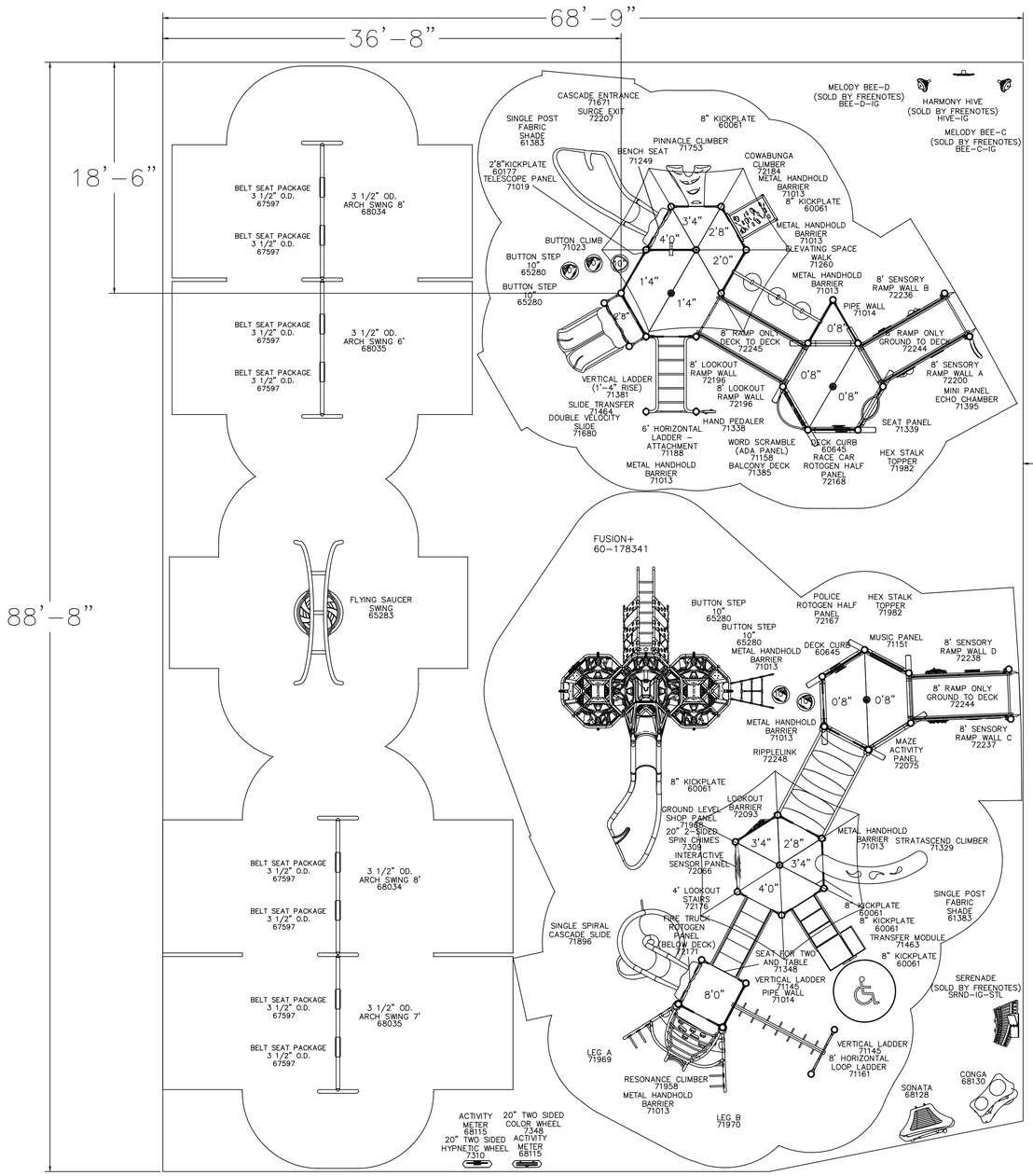
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A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS
FREENOTES HARMONY PARK™




TOTAL OVERALL AREA
6057 SQ FT
312 LINEAR FT
RED: 2993 SQ FT
BLUE: 3064 SQ FT

This equipment is designed for children **2-5** years old

| | | | |
|---|---|---|---|
| Total Play Components | 25 | | |
| Elevated Play Components | 11 | | |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 |
| Elevated Components Accessible by Transfer | 11 | Req. | 6 |
| Accessible Ground Level Components Shown | 14 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
100-110
Critical Fall Height
7'-0"

This equipment is designed for children **5-12** years old

| | | | |
|---|---|---|---|
| Total Play Components | 26 | | |
| Elevated Play Components | 10 | | |
| Elevated Play Components Accessible by Ramp | 5 | Req. | 0 |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 |
| Accessible Ground Level Components Shown | 16 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
90-100
Critical Fall Height
9'-0"

0 5 10 20

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

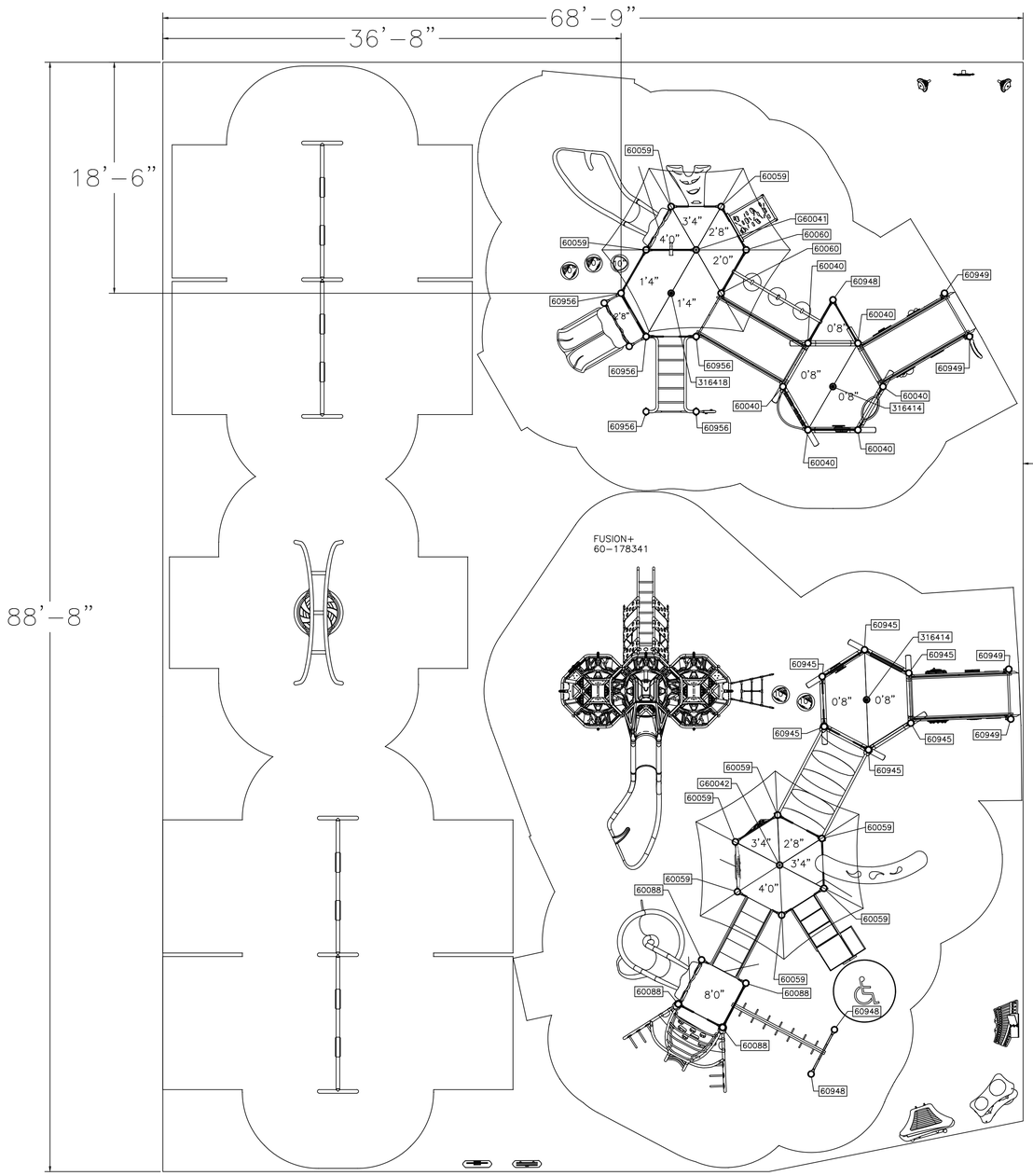
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User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

# Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS
FREE NOTES HARMONY PARK™




TOTAL OVERALL AREA
6057 SQ FT
312 LINEAR FT
RED: 2993 SQ FT
BLUE: 3064 SQ FT

This equipment is designed for children **2-5** years old

| | | | |
|---|---|---|---|
| Total Play Components | 25 | | |
| Elevated Play Components | 11 | | |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 |
| Elevated Components Accessible by Transfer | 11 | Req. | 6 |
| Accessible Ground Level Components Shown | 14 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
100-110
Critical Fall Height
7'-0"

| | | | |
|---|---|---|---|
| Total Play Components | 26 | | |
| Elevated Play Components | 10 | | |
| Elevated Play Components Accessible by Ramp | 5 | Req. | 0 |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 |
| Accessible Ground Level Components Shown | 16 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
90-100
Critical Fall Height
9'-0"

This equipment is designed for children **5-12** years old

UPRIGHT INFORMATION

| UPRIGHT | DESCRIPTION |
|---|---|
| 316414 | 37.625" ALUM FLAT CAP UPRIGHT |
| 316418 | 45.625" ALUM FLAT CAP UPRIGHT |
| 60040 | 11" GENERIC UPRIGHT wo/CAP |
| 60059 | 10" GENERIC UPRIGHT w/CAP |
| 60060 | 12" GENERIC UPRIGHT w/CAP |
| 60088 | 14" GENERIC UPRIGHT w/CAP |
| 60945 | 9" GENERIC UPRIGHT wo/CAP |
| 60948 | 11" GENERIC UPRIGHT w/CAP |
| 60949 | 7" GENERIC UPRIGHT w/CAP |
| 60956 | 9" GENERIC UPRIGHT w/CAP |
| G60041 | 13" GENERIC UPRIGHT wo/CAP |
| G60042 | 14" GENERIC UPRIGHT wo/CAP |

0 5 10 20

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

play&park structures®

A PLAYCORE Company

# OWNERS MANUAL



Visit www.playcore.com/shipment or use the QR code to give feedback about the condition of the shipment, quality of the product, and installation feedback.
**Please include pictures.**

This document includes;

- Warranty Information
- Ground Plan
- Hardware Listing
- Assembly and Installation Instructions

IPEMA MEMBER | ASTM INTERNATIONAL | ISO 9001

playandpark.com | 800.727.1907

PPS-SO-6462600-2

play&park structures®

A PLAYCORE Company

Dear Play & Park Customer,

Thank you for choosing to purchase and install a Play & Park Structures play system. We appreciate the confidence and trust you have placed in our company.

Your Play & Park Structures Installation Guide is enclosed. We designed this manual specifically for the products you have purchased. Included in this manual you will find the following documents:

- Product Installation Instructions
- 2-D Top View Drawing specific to your structure
- Ground Plan

If you have any questions concerning your new equipment, you can reach your recreation consultant by calling 1-800-727-1907. To contact a Play & Park Structures customer service representative, you may call 1-888-404-5737 or reach them online by sending an email to: customerservice@playandpark.com

For more information on Play & Park Structures products, please do not hesitate to call us, or visit us online at www.playandpark.com.

Thank you for your business; we look forward to working with you on future playground equipment projects!

Sincerely,

Play & Park Structures

# Safety Guidelines

Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. Play & Park Structures STRONGLY recommends that you follow these Safety Guidelines in conjunction with conducting periodic maintenance inspections using the accompanying Playground Maintenance Checklist.
When installing, always consider local conditions and codes. Good common sense works hand-in-hand with the instructions.

## LOCATING YOUR PLAY STRUCTURE

Comply with the following when choosing the location for your new equipment:

- Equipment should be placed to eliminate conflicting traffic patterns. As a general rule, allow at least 6' of free space around the entire structure, EXCEPT for slide exits, which require a distance X equal to highest point of sliding surface with a minimum of 72" and maximum of 96" from the edge of the slide. Example: a Slide from a 6' high deck requires 6' of clear space with resilient surfacing in front of and behind them for safe circulation. Example: a Swing with a 8' high beam requires 16' of free space in front, and another 16' behind it, for a total of 32'. These minimum areas should be filled with the appropriate resilient surface material. See below for resilient surfacing recommendations.
- If your equipment includes any metal slides, they should be positioned in a shaded area, or at least positioned to avoid the sun's direct rays.
- Never overlap the safety zones of adjacent equipment. All separate play equipment must have its own safety zone, and these cannot overlap. So, if you have an existing structure with a slide exit oriented toward your new one, add your minimum safety zone to that of the existing slide to determine how far away you need to be.
- Never install playground equipment near, around, or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

## CHOOSING RESILIENT SURFACING MATERIAL

Playground equipment must be installed on a soft, resilient, energy-absorbing ground surface.
NEVER INSTALL PLAY EQUIPMENT ON CONCRETE, ASPHALT, OR GRASS. A fall on a hard surface from even a low platform of 3' high can result in serious injury to the user. Refer to CPSC and ASTM F1292 for recommended surfacing depths and requirements.

Tip: If your surfacing material is of the loose variety, checking for proper depth over time can be made easy by applying a non-removable florescent tape or paint in a bright color at the proper level on each post. Thereafter, as the resilient surfacing material compacts or washes away, the person responsible for regular maintenance inspections can easily see it must be replenished as the marks become visible.

## AFTER THE EQUIPMENT IS IN USE

- Never add components not intended for use with this product.
- Never install other play equipment, fencing, landscaping, etc., which encroach upon the safety zones of this equipment.
- Check to make sure that there are no overhead obstructions within the use zone of the playground equipment that are not part of the play structures (example: tree limbs). Any overhead obstructions should be at least 84" above each platform or designated play surface or 84" above the pivot point of swings. All overhead utility line clearances above the use zone area should comply with all local, state and national codes.
- Regularly inspect and maintain your playground equipment and its surrounding area. Proper maintenance of Play & Park Structures equipment includes using the accompanying Playground Maintenance Checklist to identify areas requiring repairs or replacement, and barricading the equipment to prevent use while corrections are being made.
- If your playground equipment includes any wood components, bolts may need to be re-tightened after initial use due to wood shrinkage. Check and re-tighten all fasteners after the first few days of use, and again after the first 3 weeks of use. Thereafter, exercise normal maintenance procedures. Using a thread-locking compound on the threads of bolts can help prevent persistent loosening.
- 'S' hooks must be completely closed. Replace all worn 'S' hooks, and never re-use 'S' hooks.
- Pipes should never be allowed to turn. In the case of wood playground equipment, make sure all collars are snugly flush against the inside of posts with set screws tightened and wood screws flush against the outside of the collar, and all flat head bolts and set screws are tight. In the case of steel playground equipment, check set screws for tightness.

For specific information regarding playground safety and your responsibilities as the owner of this equipment, please contact the Consumer Product Safety Commission (CPSC), Washington, DC. for the latest guidelines for your play area and this equipment.

If any conditions or damages are discovered in violation of these Safety Guidelines or the accompanying Playground Maintenance Checklist, the play equipment should be barricaded immediately and children should not be allowed to use it until the conditions are corrected.

# Introduction to Installation Instructions

**Revised 03.29.16**

**IMPORTANT!** Please read the entire Installation Instructions packet before beginning the installation.

Play & Park Structures has designed the SuperMax, DuraMax, totmax, Skyline, Boulderscapes and Horizons Play Systems to take advantage of all Consumer Product Safety Commission (CPSC) Guidelines and ASTM standards in force at the time of purchase in an effort to help reduce the chance of playground accidents. However, because studies have shown most playground injuries result from accidental falls, you, as the new owner of this equipment, are responsible for providing and adequately maintaining ***resilient play surfacing*** under and around all playground equipment. Please refer to the accompanying Safety Guidelines as well as CPSC guidelines and this document for examples of such surfacing.

We would like to provide the following suggested guidelines for your play environment:

- Refer to the Footing Diagram and note the Minimum Area Required shown for this structure. This area must be filled with adequate resilient play surface material, and must be clear of all obstacles, including but not limited to trees, curbing, sidewalk, fence, other play equipment, rocks and landscaping, etc.

- Acceptable play surfaces include sand, wood mulch, fine gravel or ground belt-less tires, if installed at the appropriate depths per CPSC guidelines for play surfacing.

- When using sand, wood mulch, or ground belt-less tires, a minimum of 6" depth is recommended by the CPSC. Play & Park Structures recommends an additional 4", for a total of 10", to combat the fast compacting characteristics of these materials. Surfaces must be checked at least weekly for compacting, which reduces resiliency significantly.

- Paved surfaces such as asphalt, concrete, gravel or sod are not acceptable for use under playground equipment, or anywhere within the stated Minimum Area Required.

- Close supervision of children playing on or around the structure is strongly recommended, along with classroom and/or home instructions on acceptable behavior on the playground equipment. The full supervision of playgrounds is the responsibility of the owner once the play structure has been properly installed.

**TOOLS REQUIRED:**

Play & Park Structures supplies the special bits required to fasten the "tamper-resistant" bolts. You will need common tools such as wrenches, Allen key set, drill, string line, level, mallet, shovels, post hole digger, pry bar, washable felt tip marker and a tape measure.

## INSTALLATION GUIDELINES:

1. Compare all parts received to the packaging list. Notify Play & Park Structures immediately of any missing parts. We are not responsible for parts discovered missing over 10 days after receipt of the shipment.

2. Refer to your Footing Diagram to ensure this structure will fit into your actual site area. Note the Minimum Area Required measurements to determine clear space required. A minimum of 6' clearance is required between any obstacles and your structure. EXCEPT for slide exits, which require a distance X equal to the highest point of sliding surface with a minimum of 6' and a maximum of 8' from the edge of the slide (example: A slide from a 6' high deck requires 6' of clear space with resilient surfacing in front of its exit).

3. Site selection should include considerations of what is a safe and appropriate play area:
   a. A level and clear site is ideal, free of power lines or electrical equipment.
   b. Do not install play equipment near any bodies of water.
   c. If adjacent to a street with traffic, ensure adequate fencing acts as a barrier to children running into danger.

4. Site layout should include accurate measurement and marking of all footings prior to any installation. Use the dimensions shown between footings on the Footing Diagram to plot out the actual footprint of the play structure before doing any digging. Also, locate any free-standing play equipment in the same way, providing the necessary clearance between the equipment as well as any fences, trees, etc. Ensure at this time that you have enough total space for the equipment to be installed.

5. Excavate holes as shown in the Footing Diagram using a string line. An optional string line level is very helpful. If a level and clear site is not possible, adjust the depth of the footings to maintain a minimum depth of 18 in. for support posts at the lowest grade. NOTE: if soil conditions are very loose or otherwise unstable, a larger diameter footing may be required. Consult with local contractors for appropriate recommendations.

6. Begin your SuperMax, DuraMax, totMax , Skyline, Horizons, and BoulderScapes Play Systems installation by erecting the decks as shown within the following instructions.
   **IMPORTANT: Do not concrete product until installation is complete!**
   Once all decks are installed, components such as slides, climbers, etc., can be connected per their respective assembly instructions. Note that connecting components between decks such as Horizontal Ladders, Crawl Tunnels, Trapeze Beams, etc., should be installed concurrently with the decks to ensure they meet accurately.

7. CPSC guidelines mandate that there should be no gaps present in the playground equipment which fall between 3 ½" and 9". The positioning of certain components by the installer can affect this criteria, so you should always measure distances created when attaching components by the installer, which can cause entrapment of a child using the equipment. Also, ASTM requires that no more than 2 threads of bolt can protrude from the nut. Any excess threads should be filed down and made smooth to the touch.

8. When concrete is poured, be sure to keep the top 4" below the grade, and sloped away from the post to promote good water drainage. Wash off any concrete, which may have splashed onto the post before it dries. Allow all concrete to harden a minimum of 48 hours before using equipment.

## SAFETY DURING INSTALLATION:

1. Before doing any excavation, inquire about any existing underground utilities.

2. Do not leave the job site unattended without making sure that all fastening hardware on all equipment are tightened and all Drive Rivets are in place to prevent clamps from moving, in case of unauthorized use. **PLAY & PARK STRUCTURES CLAMPS ARE NOT DESIGNED TO SUPPORT HUMAN WEIGHT WITHOUT THE DRIVE RIVETS INSTALLED, AND SUCH USE COULD CAUSE INJURY TO THE USER AND/OR DAMAGE TO THE EQUIPMENT.** It is also strongly recommended that all installation areas be roped off with clearly marked warning signs posted. Any open footings should be covered with plywood or other suitable material. Even during installation, it has been found that children will use the unattended equipment, thereby risking accidents.

3. The installation area should remain roped off for at least 48 hours after the last concrete footer is poured. Children should not be allowed to use the equipment during this period so that concrete has a chance to fully set.

4. Do not attach swing chains, trapeze rings or similar moving components until after all construction is complete and resilient surfacing material has been installed. Remember that any equipment, which appears to be complete and functional will invite unauthorized use regardless of its actual state of readiness.

Finally, if you should have any questions regarding the proper installation of this equipment, please contact Play & Park Structures at:

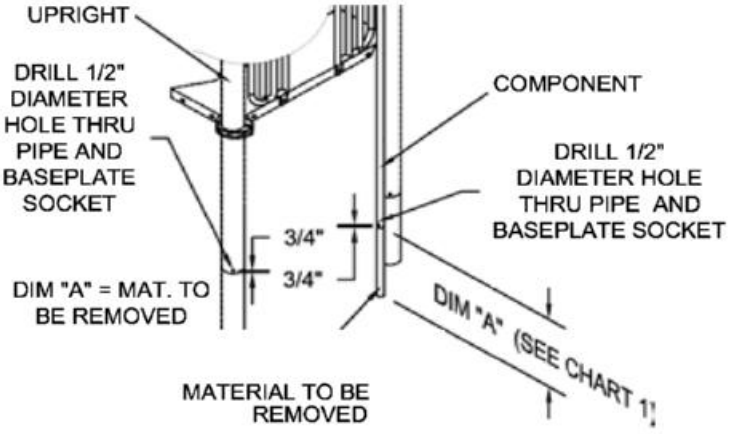
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EMAIL: customerservice@playandpark.com
Visit our website: www.playandpark.com

play&park structures

# 60855 SURFACE MOUNT INSTALLATION INSTRUCTIONS FOR PARK STRUCTURES

**ISSUED/REVISED: 08/07/14**

NOTE: 2", 8", 10" LENGTH INDICATES THE SURFACING DEPTH. ALL COMPONENTS ARE SHIPPED AS STANDARD 30" INGROUND LENGTH. (20" DEEP HOLES & 10" SURFACING)




***IMPORTANT***: CHECK ALL GROUND MEMBER LOCATIONS TO COMPENSATE FOR SLOPE ***BEFORE*** CUTTING!

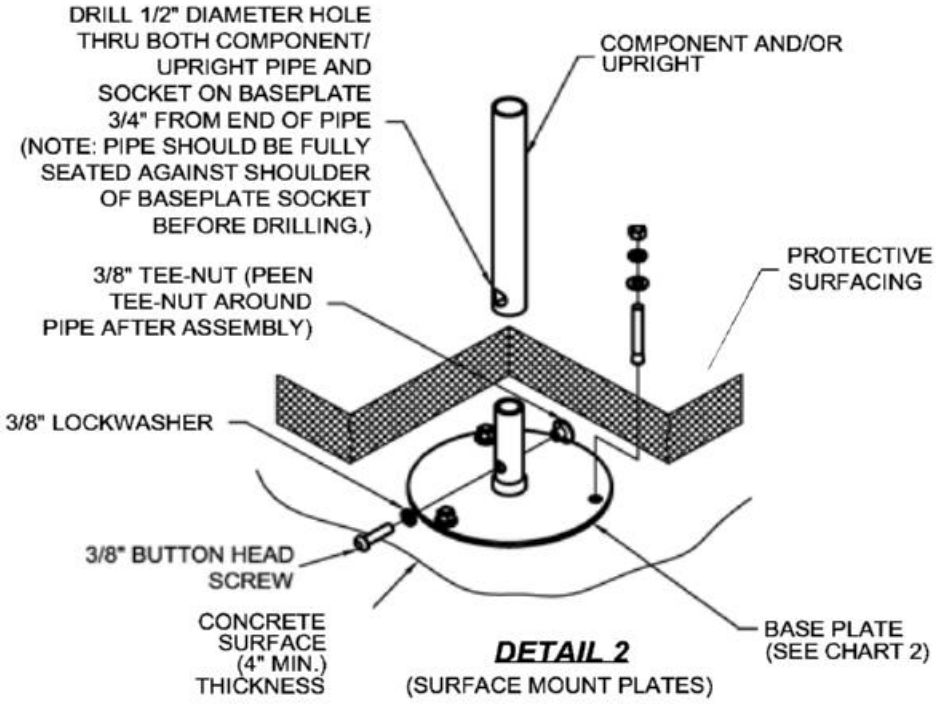
***CHART 1***

| SURFACING DEPTH | MATERIAL TO BE REMOVED | |
|---|---|---|
| | W/OUT EXT. | W/6" EXT. |
| 2" | 28 11/16" | 22 11/16" |
| 8" | 22 11/16" | 16 11/16" |
| 10" | 20 11/16" | 14 11/16" |

NOTES:
1. DIM "A" = MATERIAL TO BE REMOVED.
2. SOME INGROUND COMPONENTS REQUIRE EXTENSIONS. REVIEW YOUR STANDARD INSTALLATION SHEET IF EXTENSIONS ARE REQUIRED. ADJUST MATERIAL TO BE REMOVED ACCORDINGLY.
i.e. A COMPONENT REQUIRING 6" EXTENSIONS, AND IF SURFACING DEPTH IS TO BE 2", MATERIAL TO BE REMOVED WILL BE 22 11/16"

***DETAIL 1***

(FOR SURFACE MOUNT INSTALLATIONS)

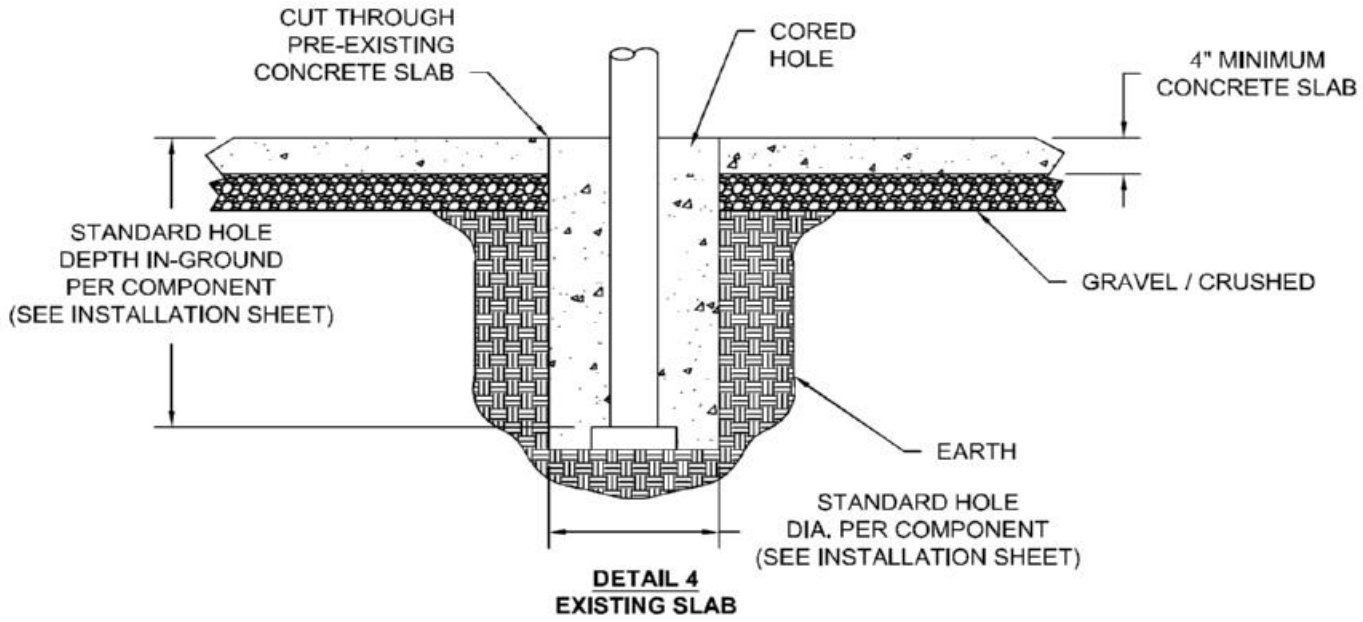



***DETAIL 2***

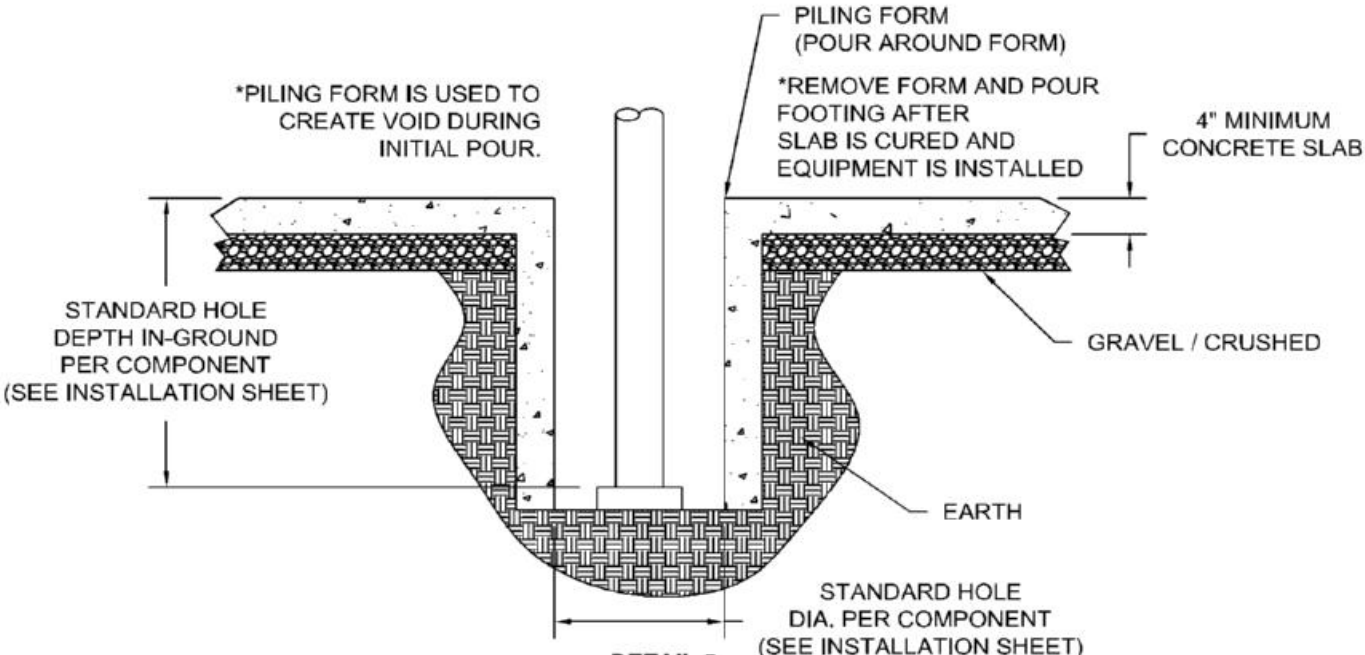
(SURFACE MOUNT PLATES)

***CHART 2***

| NUMBER | O.D. | BASE PLATE |
|---|---|---|
| 404765 | 1.029" | 404764 |
| 60855 | 1 5/16" | 152850 |
| 60856 | 1 5/8" | 152851 |
| 60857 | 1 7/8" | 152852 |
| 60858 | 2 3/8" | 152853 |
| 60859 | 2 7/8" | 152854 |
| 60860 | 3 1/2" | 152856 |
| 60861 | 5" | 152855 |




**DETAIL 4**
**EXISTING SLAB**




**DETAIL 5**
**NEW SLAB**

## *SURFACE MOUNT INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Concrete requirements for Suface Mount shall be 4" minimum thickness w/ 3000 psi.
3. For Surface Mount, remove required length of component and/or upright as indicated in **DETAIL 1**. See ***CHART 1*** for the material length to be removed. (Required for 2", 8" or 10" surface mount only.) ***Note:*** Debur and remove any sharp edges on part after cut is made.
4. Drill 1/2" diameter hole thru component/uprights and baseplate socket 3/4" from end of pipe. The pipe should be fully seated against neck of socket before drilling holes.
5. Attach Component to base plate as shown in **DETAIL 2.** See ***CHART 2*** for the specific base plate required for the diameter pipe being used. (Required for 2", 8" or 12" Surface mount only.)

***IMPORTANT:*** Some components such as slides, chinning bars, nets, climbers, etc. may require "cored" holes to help eliminate movement when installed. Refer to Ground Plan configuration to determine if "cored" holes are required.

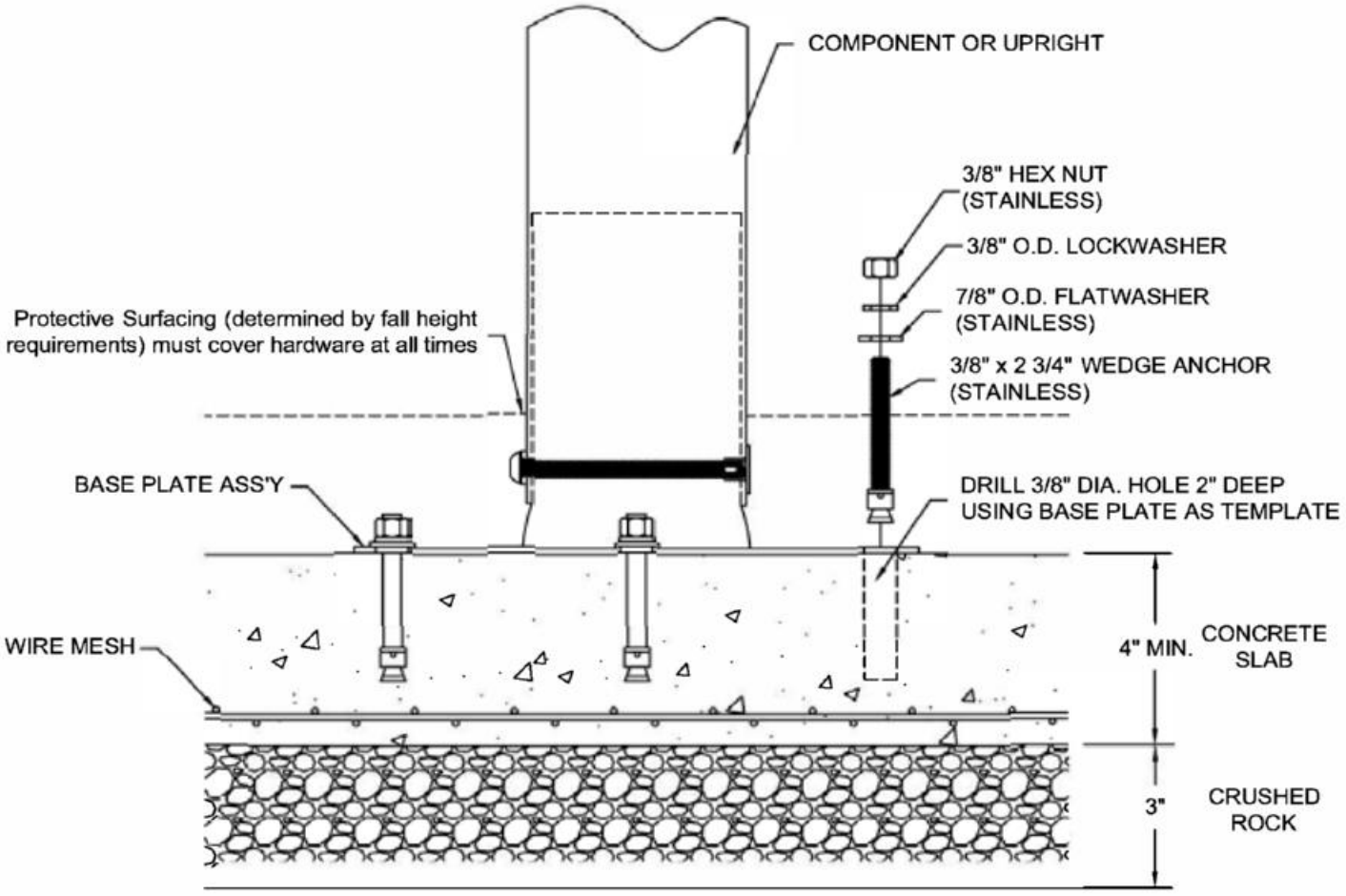
***NOTE:*** If concrete slab is pre-existing and a cored hole is required it must be drilled through exisitng concrete to allow for concrete footing. Review your standard installation sheet for correct size and location of cored hole. See Detail 3.

***NOTE:*** Cored holes can be created prior to concrete pour by using piling forms to create a void when pouring. See Detail 4.

***NOTE:*** If a base plate interferes with an insert required for a below deck component that base plate will require a notch to be applied in the field.

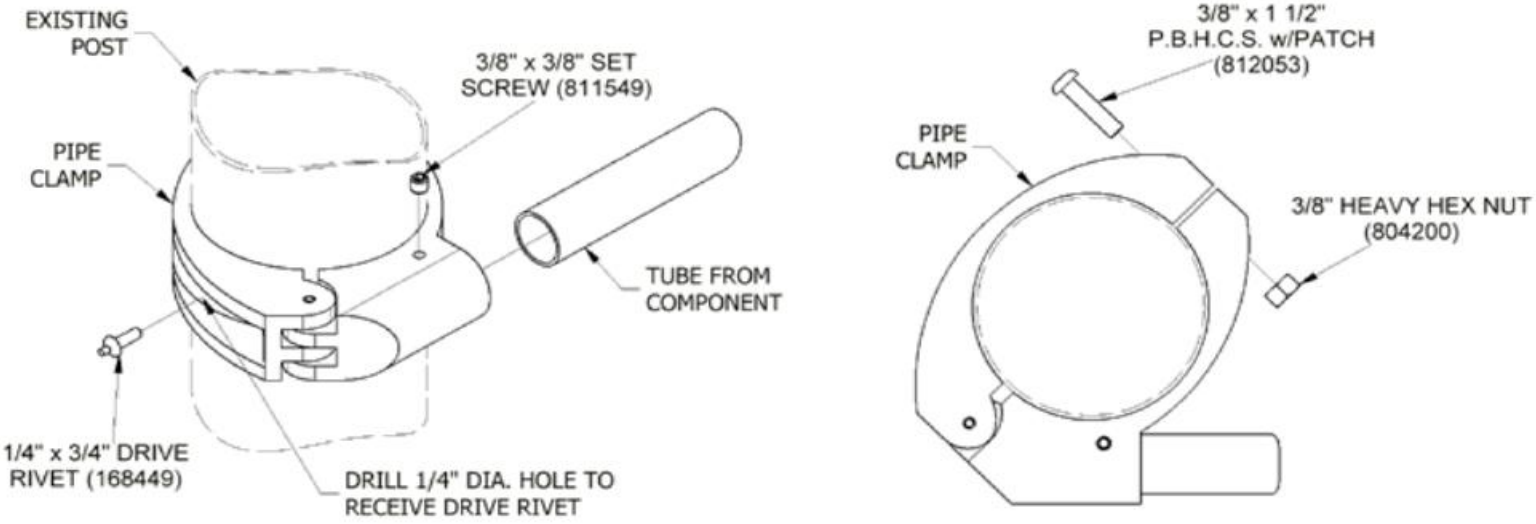
## *CONCRETE SPECIFICATIONS*

1. Depth of concrete must be 4" minimum with wire mesh reinforcement.
2. Base shall be 3" crushed rock over compacted subgrade.
3. Minimum 7 days cure-full cure after 28 days.
4. Concrete rating shall be 3,000 PSI (minimum), 28 days 3,500 PSI.



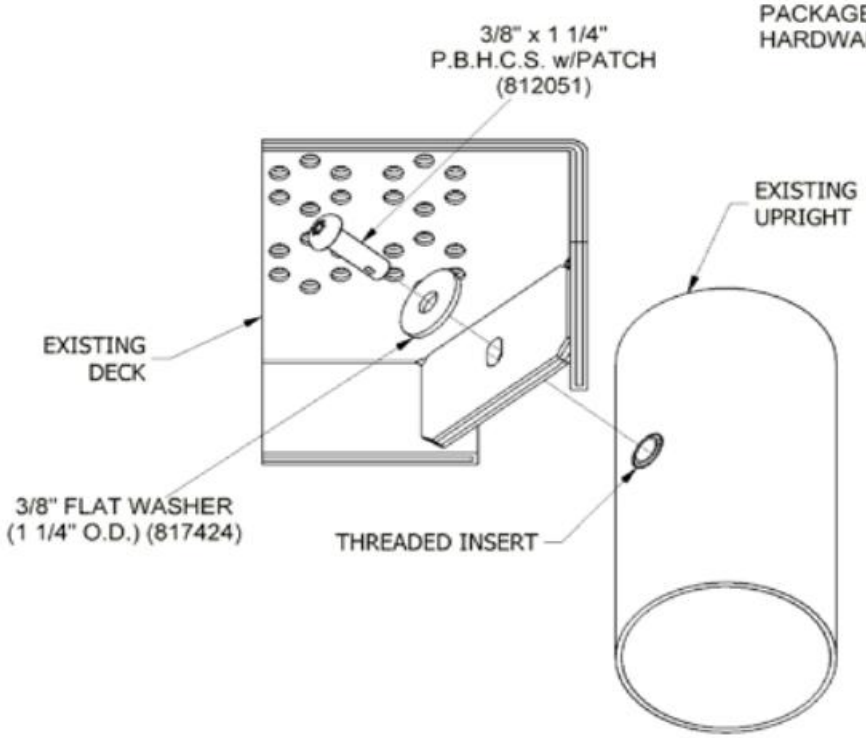

**DETAIL 3**
**SIDE VIEW OF SURFACE MOUNT**

# Clamp Assembly Details




**TYPICAL DURAMAX PIPE CLAMP ASSEMBLY**

NOTE: CLAMPS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES.

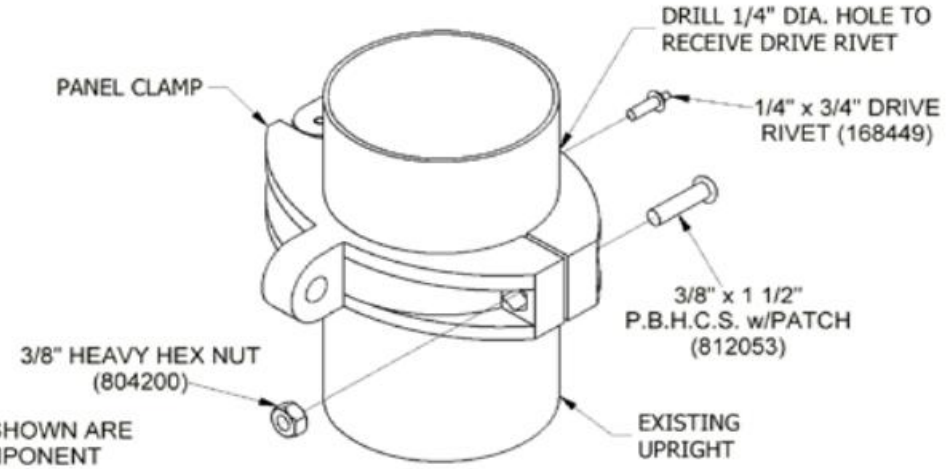



**TYPICAL DURAMAX DECK CONNECTION**

Issued/Revised: 4/4/2016

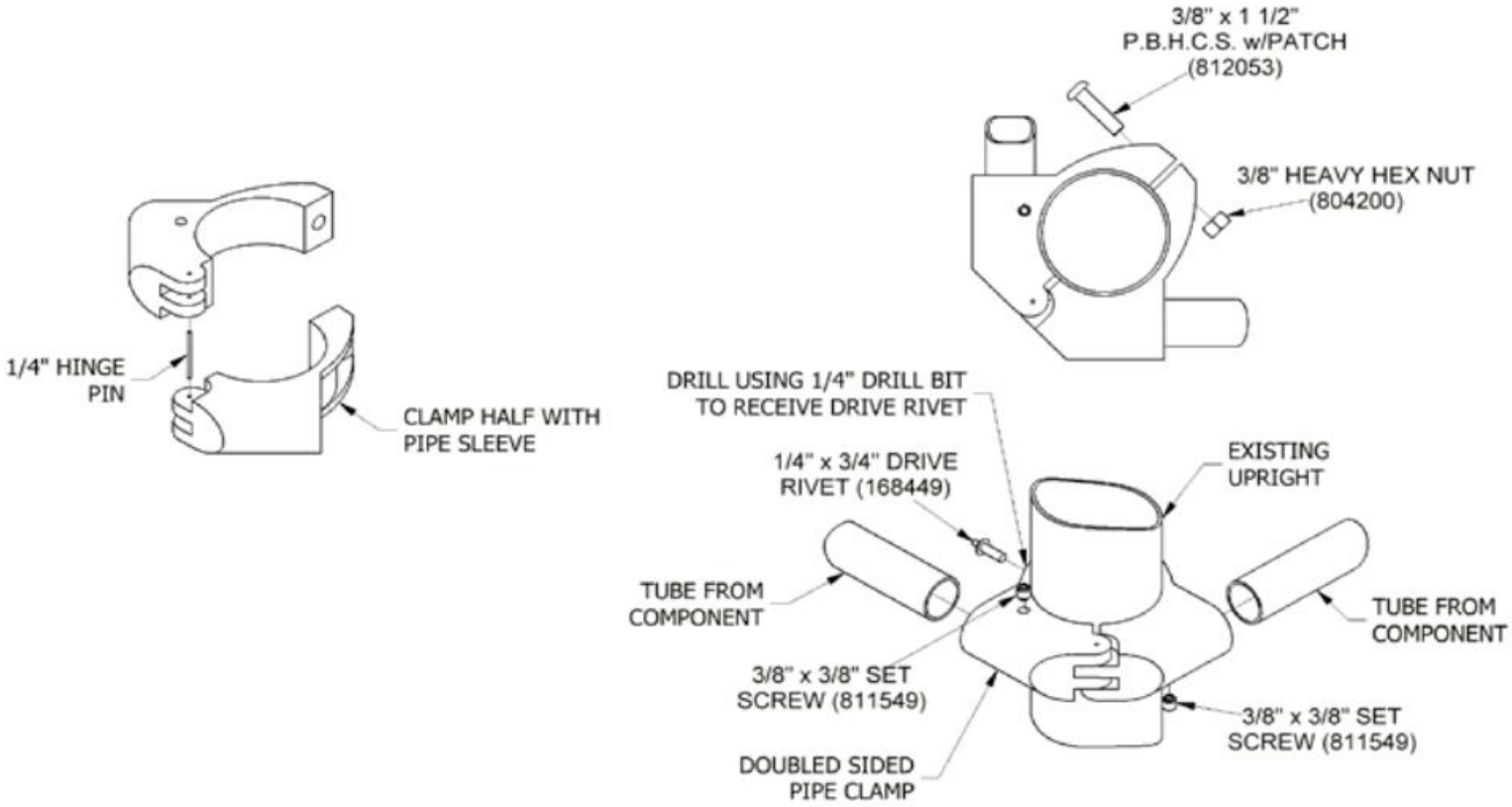
SHEET 1 OF 2

# Clamp Assembly Details




NOTE: CLAMPS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES.

## TYPICAL DURAMAX PANEL CLAMP ASSEMBLY




DURAMAX APPLICATION: To attach two components at 90 degrees to each other on the same square deck. Use when clamp conflicts do not allow you to use seperate clamps for each component.

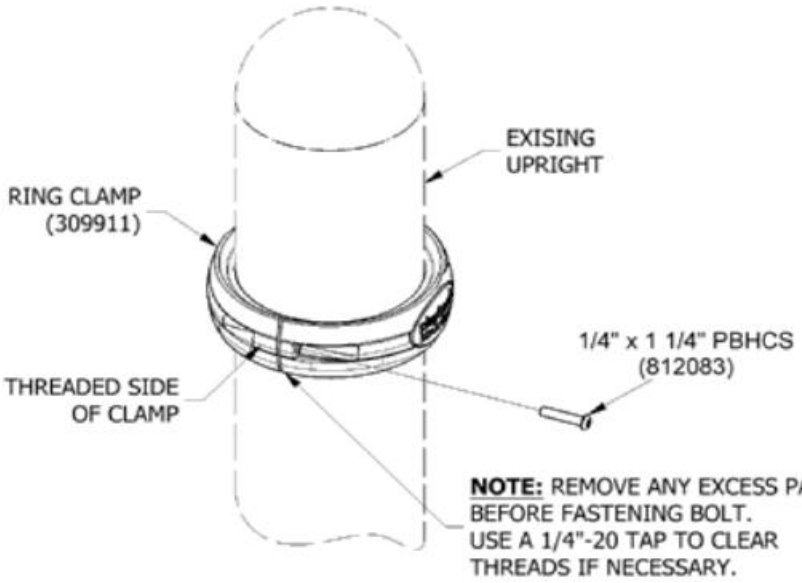
ASSEMBLY INSTRUCTIONS: Use two regular Pipe Clamps and remove hinge pins. Select clamps with pipe sleeves to create the Double Sided Pipe Clamp. Insert hinge pin back into clamps as shown above.

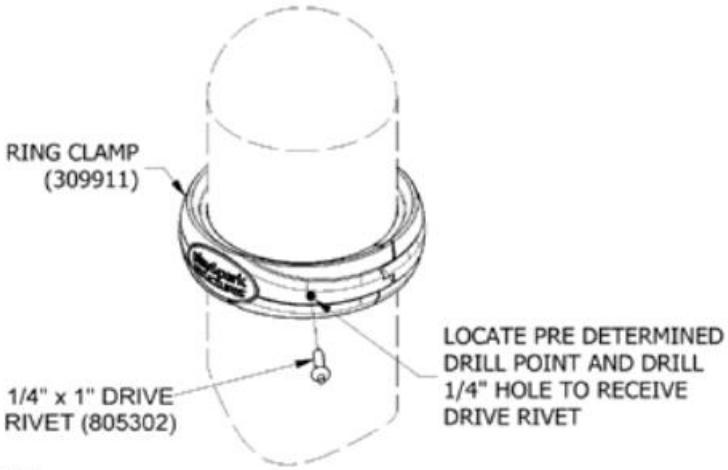
## TYPICAL DURAMAX DOUBLE SIDED PIPE CLAMP ASSEMBLY

Issued/Revised: 4/4/2016

SHEET 2 OF 2

# Clamp Assembly Details



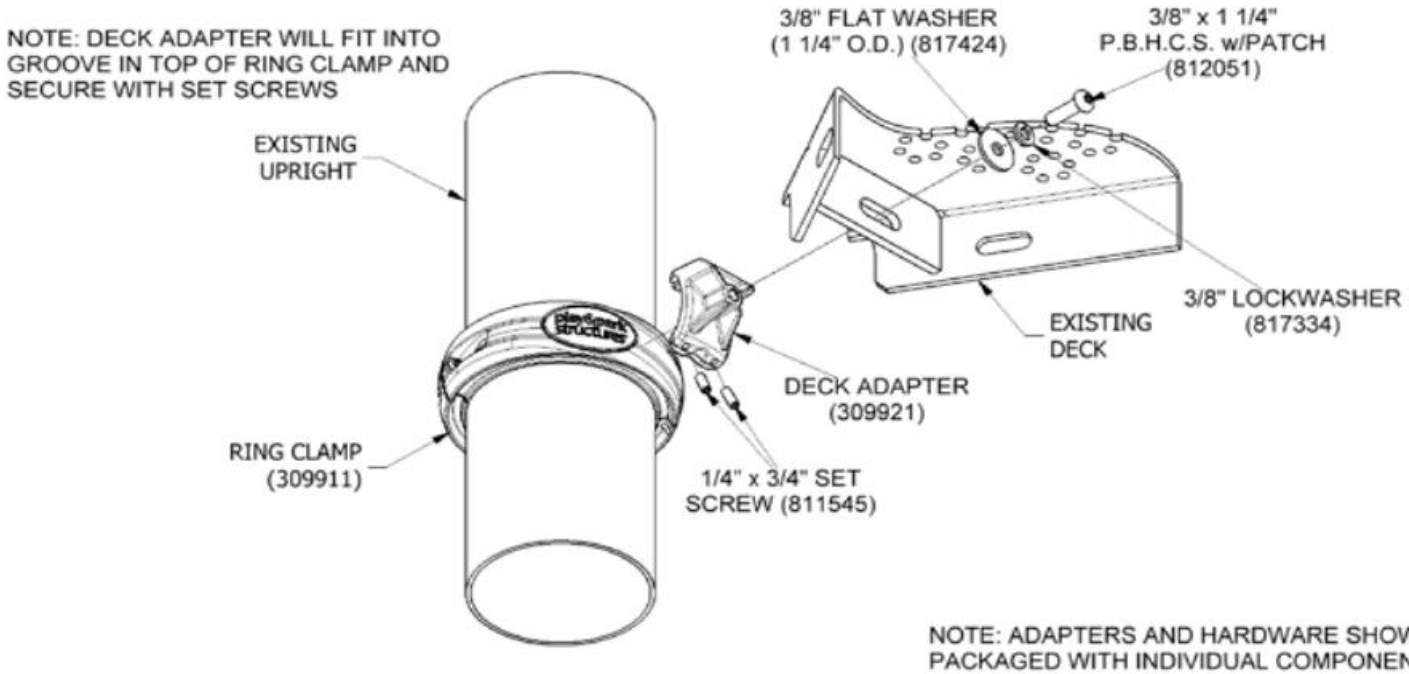

NOTE: THE USE OF LOCTITE IS IMPORTANT.

**IMPORTANT:** ORIENTATION OF BOLT IS CRITICAL.

NOTE: THE RING CLAMP WILL HAVE A SMALL GAP AT THE CONNECTION POINT AFTER ATTACHED. THE GAP IS DESIGNED FOR DRAINAGE AND TO ENSURE A PROPER FIT.

NOTE: MAKE SURE THE PLAY & PARK STRUCTURES LOGO IS ORIENTED CORRECTLY AND VISIBLE FROM GROUND LEVEL.

## TYPICAL SUPERMAX RING CLAMP ASSEMBLY



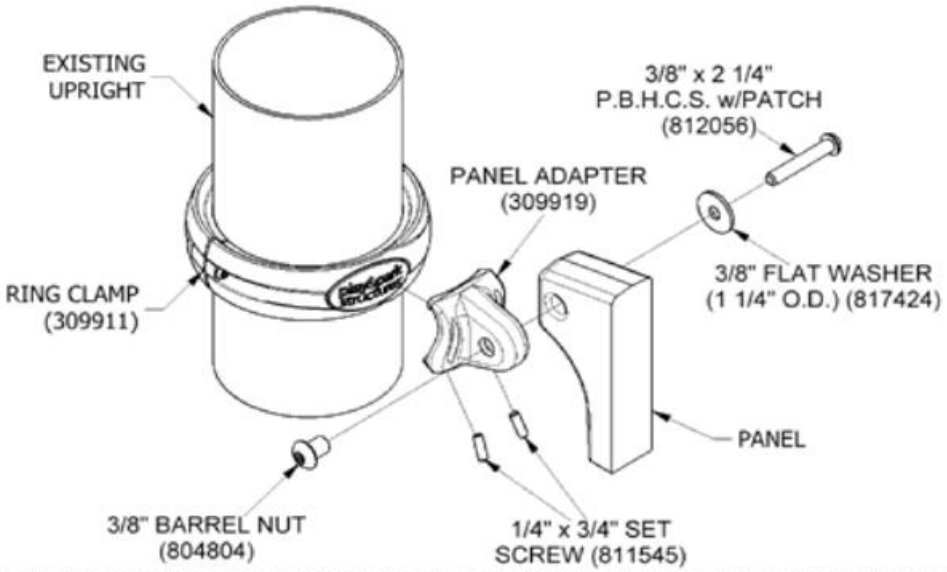

NOTE: ADAPTERS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES

Issued/Revised: 4/11/2016

## TYPICAL SUPERMAX DECK CONNECTION

SHEET 1 OF 2

# Clamp Assembly Details

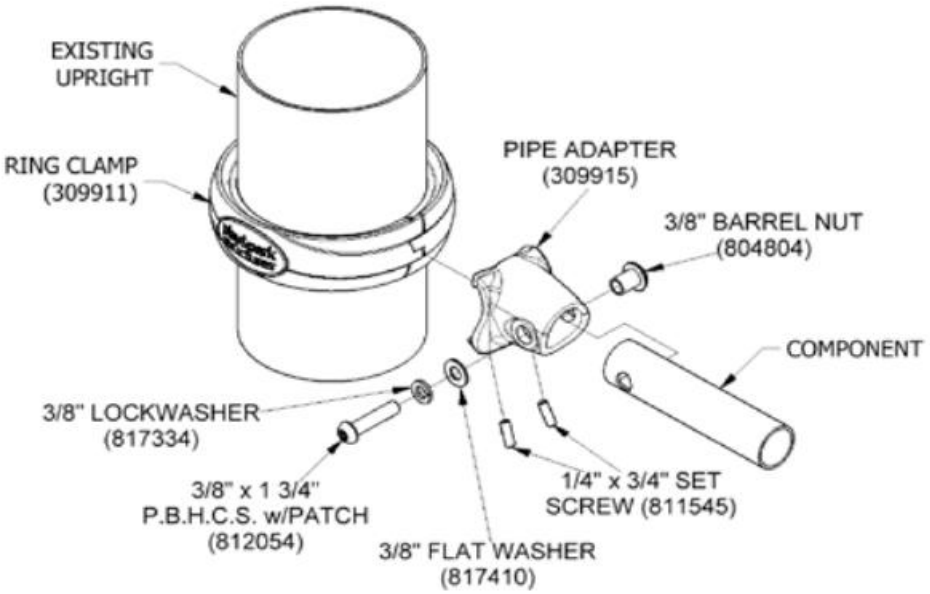



NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.

## TYPICAL SUPERMAX PANEL ADAPTER ASSEMBLY

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.




## TYPICAL SUPERMAX PIPE ADAPTER ASSEMBLY

Issued/Revised: 4/11/2016

SHEET 2 OF 2

# DETAILED MAINTENANCE RECORD

play&park structures
A PLAYCORE Company

Play Area Site Name _____

Play Area Location or Description _____

Date _____ Inspector _____

| Item Number | OK | Problem | Solution | Date Repaired | Initials |
|---|---|---|---|---|---|
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# PLAYGROUND MAINTENANCE CHECKLIST

play&park structures
A PLAYCORE Company

Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. Play & Park Structures recommends the following maintenance procedures be followed:

**On a daily basis:** A responsible individual should conduct a brief visual check for structural defects, signs of vandalism and litter of foreign matter that needs to be removed.

**On a weekly basis:** A responsible individual should complete this checklist. Any required repairs should be detailed on the separate **Detailed Maintenance Record**, and once they are completed, both should be filed for future reference. A separate file and form should be kept for each play structure at each location.

**IMPORTANT:** Always refer to - and comply with - the separate *Safety Guidelines* and ASTM and CPSC Guidelines. The play structure(s) should be barricaded so that it cannot be used while repairs are being completed.

| | **Item to be Checked** (use the following page to record a brief description of the necessary repairs) | **OK** | **Repairs Required** | **Date Repaired** |
|---|---|---|---|---|
| **A.** | **Play Structures in General** | | | |
| | Post and component footings are not exposed, cracked or loose | | | |
| | 1. Clamps show no signs of slippage, cracking, or failure | | | |
| | 2. Clamp drive rivets and hardware are secure | | | |
| | 3. Welds are intact and free of cracks | | | |
| | a. Slide and Deck Enclosures | | | |
| | b. Overhead Activities | | | |
| | c. Climbers | | | |
| | 4. No rust or corrosion | | | |
| | 5. No splintered, cracked, gouged or otherwise deteriorated plastics; check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create an entrapment as specified on ASTM-F-1487 section 6. | | | |
| | 6. No scratched, chipped, or peeling paint | | | |
| | 7. Metal parts show no visible cracks, bending, warping or breakage | | | |
| | 8. No missing bolts, nuts, etc. | | | |
| | 9. All bolts, nuts, and fasteners are tight | | | |
| | 10. All joints are secure (pay special attention to sectional slides, flush mounted decks, and pipe connections) | | | |
| | 11. All swivels, bearings, grease fittings, and moving parts are well lubricated and not excessively worn (pay special attention to tire swings, tot swings, strap swings, track rides, and trapeze rings) | | | |
| | 12. No broken or missing parts | | | |
| | 13. No sharp edges or unsafe protrusions (check metal corners, bolts, etc.) | | | |
| | 14. No exposed mechanisms, junctions of moving parts or components that will pose possible pinch or crush points | | | |
| **B.** | **Play Events** | | | |
| | 1. Plastic is not cut or cracked | | | |
| | 2. All slide supports/anchors are intact and secure | | | |
| | 3. All 'S' hooks are closed and not excessively worn | | | |
| | 4. Clatter bridge chain and connections are not excessively worn, especially at connection points | | | |
| | 5. Connectors and Chain have free movement | | | |
| **C.** | **Surrounding Area** | | | |
| | 1. Resilient surfacing material is not scattered or excessively worn | | | |
| | 2. Resilient surfacing material is adequately deep and retains its fall absorbing abilities as specified at the time of installation | | | |
| | 3. Border around playground is in good condition and has not come loose | | | |
| | 4. No roots, rocks, or other objects that may cause a tripping or injury hazard | | | |
| | 5. Area is clean of litter (no broken glass or bottles, etc .) | | | |

# 7309 20" TWO SIDED SPIN CHIMES

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SPIN CHIME BELL ASS'Y | 2 | 213177 |
| SPIN CHIME COVER | 4 | 212756 |
| HDPE PANEL | 1 | 212757 |
| ***HARDWARE COMPLETE*** | 1 | 314123 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 12 | 812053 |
| 3/8" LOCK WASHER | 12 | 817334 |
| 3/8" FLAT WASHER | 12 | 817410 |
| 3/8" BARREL NUT | 12 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## ***SPECIFICATIONS:***

**SPIN CHIME ASSEMBLY:**
The Spin Chime Assembly shall be fabricated from 11 Ga. steel tab, 1.029" O.D. x .072" wall galvanized steel tubing and a purchased oil impregnated bronze insert. Shall be coated in TGIC polyester powder coating as specified herein.

**HDPE PANEL:**
The HDPE Panel shall be fabricated from 3/4" high density polyethylene.

**SPIN CHIME COVER:**
The Spin Chime Cover shall be fabricated from 1/2" high density polyethylene.

**HARDWARE:**
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all playequipment, 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.

**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.

# 7309 20" TWO SIDED SPIN CHIMES

## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

2. Place Spin Chime Bell Weld Ass'y inside cut-out on HDPE Panel then attach Spin Chime Cover to HDPE Panel using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 881.

3. Attach HDPE Panel to Rotomold using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 878.

4. Plumb and level the entire assembly and tighten all fasteners.

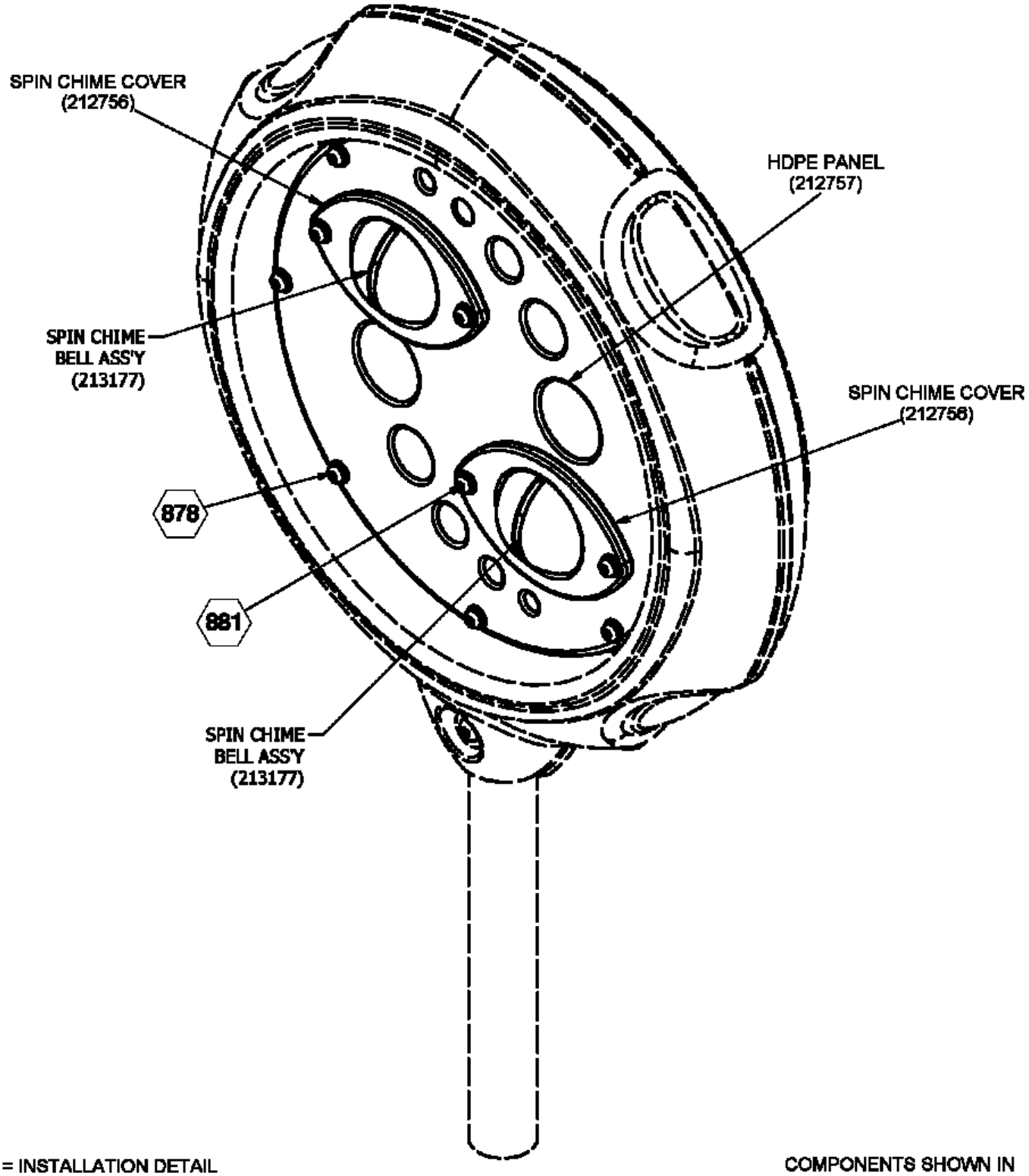
5. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

6. 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

## 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. Also 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.

# 7309 20" TWO SIDED SPIN CHIMES



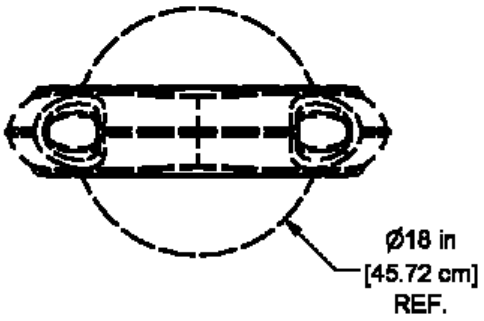

= INSTALLATION DETAIL

***FINISHED ASSEMBLY***

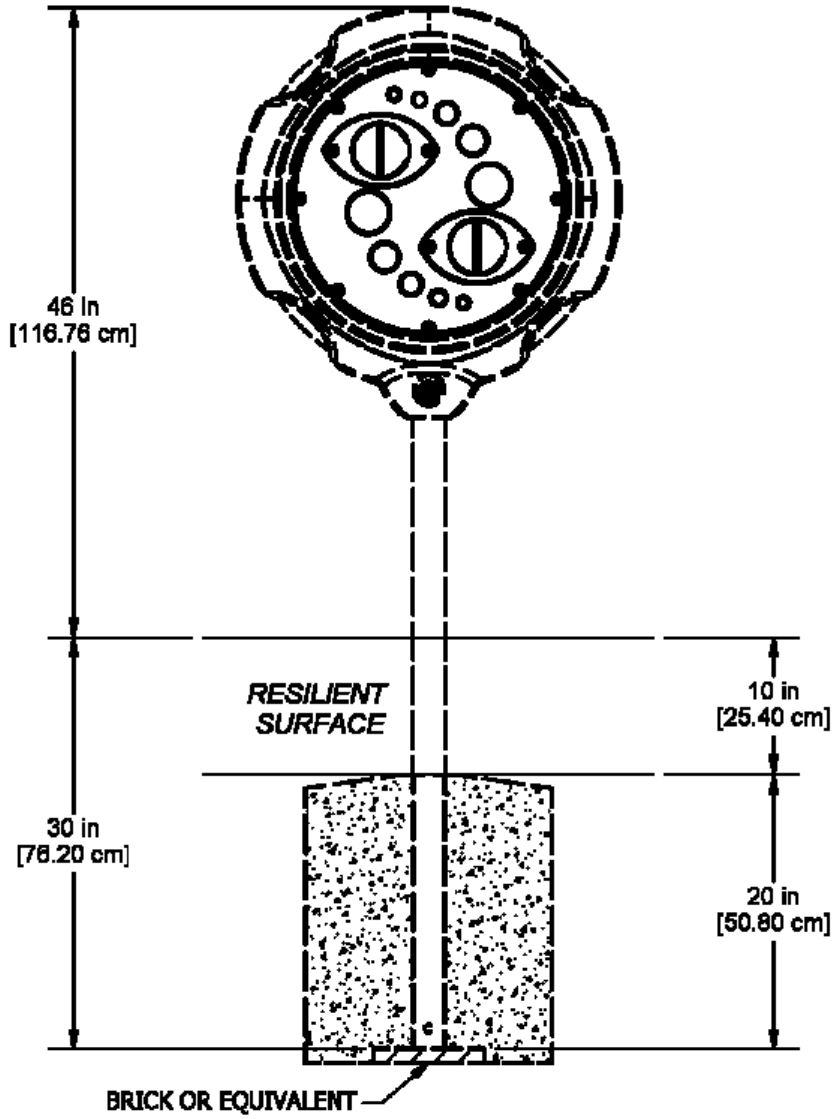
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 11/7/2018

# 7309 20" TWO SIDED SPIN CHIMES

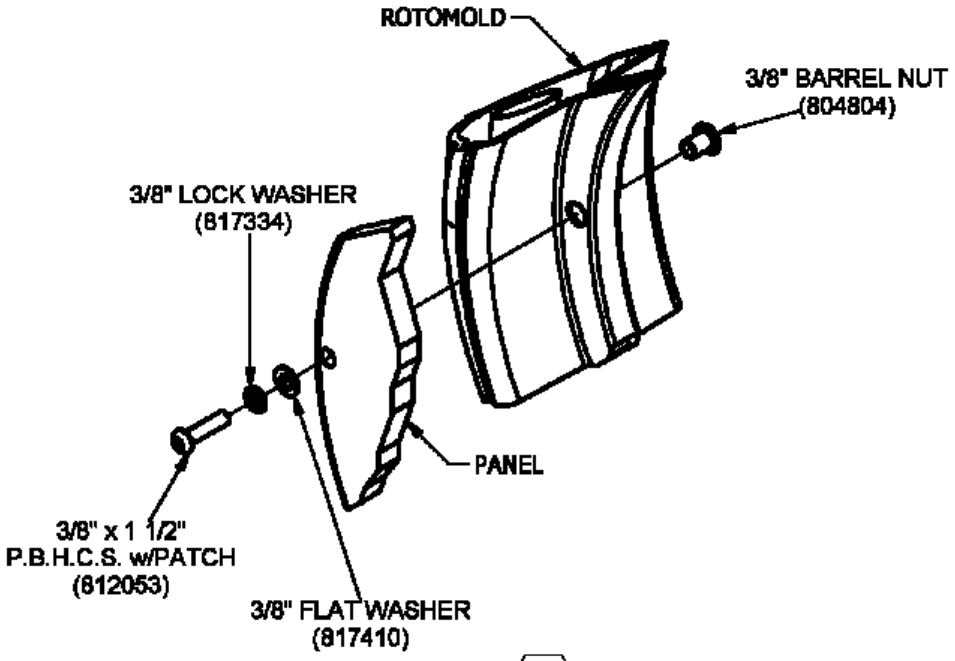



***PLAN VIEW***

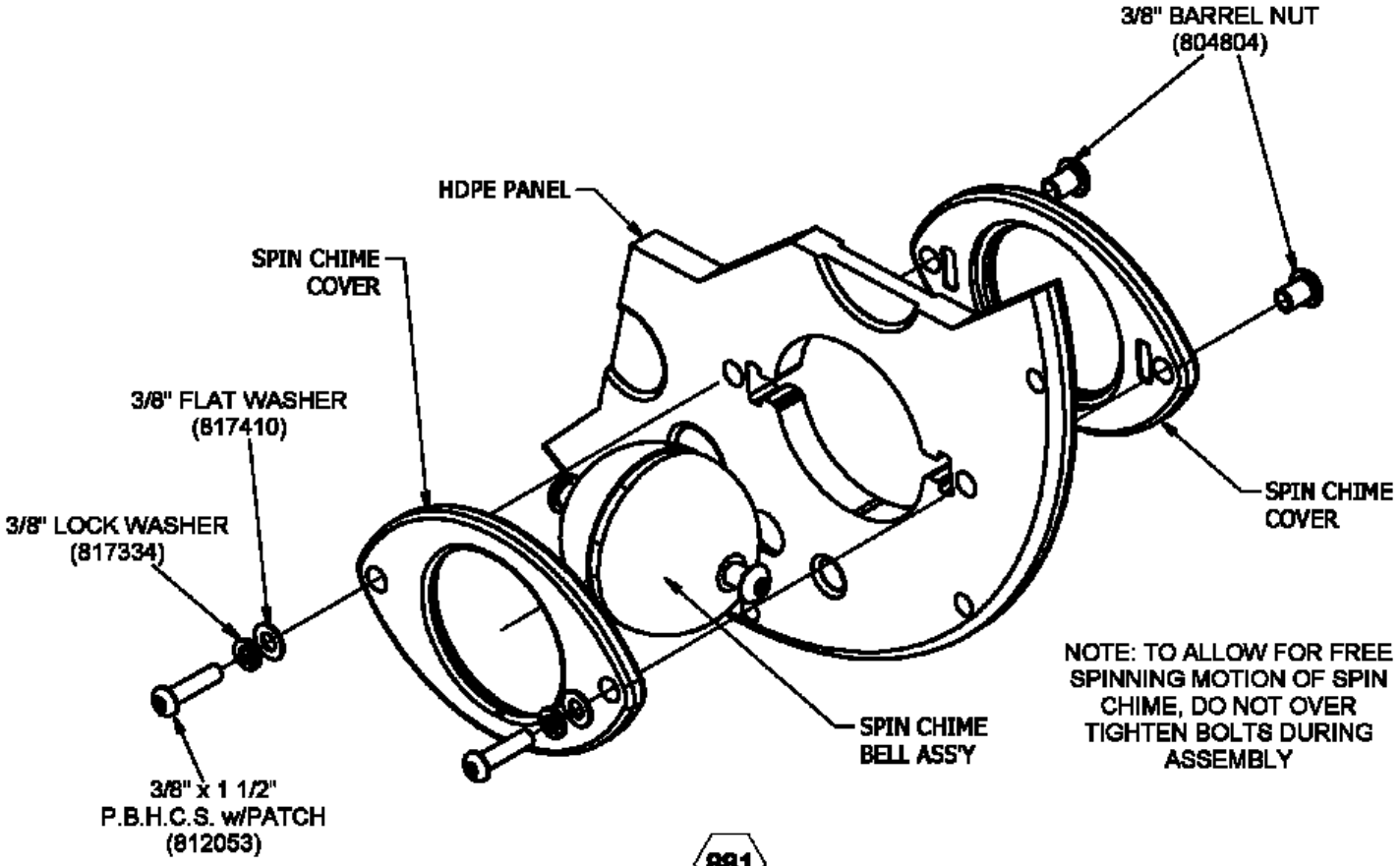



***ELEVATION VIEW***

# 7309 20" TWO SIDED SPIN CHIMES




878




881

# 7310 20" TWO SIDED HYPNETIC WHEEL
# 7311 20" ONE SIDED HYPNETIC WHEEL
# 7312 12" TWO SIDED HYPNETIC WHEEL

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 7310 | 7311 | 7312 | PART NUMBER |
| 20" HYPNETIC SPINNER TWO SIDED | 1 | 0 | 0 | 212750 |
| 20" HYPNETIC SPINNER SINGLE SIDED | 0 | 1 | 0 | 212751 |
| 12" HYPNETIC SPINNER TWO SIDED | 0 | 0 | 1 | 212752 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 314122 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 212251 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 212252 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 0 | 8 | 5 | 812053 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 8 | 0 | 0 | 812054 |
| 3/8" LOCKWASHER | 8 | 8 | 5 | 817334 |
| 3/8" FLAT WASHER | 8 | 8 | 5 | 817410 |
| 3/8" BARREL NUT | 8 | 0 | 5 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***SPECIFICATIONS:***

**Hypnetic Spinner:**
The Hypnetic Spinner shall be fabricated from 3/4" high density polyethylene and 1/4" thick polycarbonate.

**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.

# 7310 20" TWO SIDED HYPNETIC WHEEL
# 7311 20" ONE SIDED HYPNETIC WHEEL
# 7312 12" TWO SIDED HYPNETIC WHEEL

## 7310 INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

2. Attach 20" Hypnetic Spinner Two Sided to Rotomold using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 879.

4. Plumb and level the entire assembly and tighten all fasteners.

5. 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.

6. 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.

## 7311 & 7312 INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

2. Attach 20" Hypnetic Spinner Single Sided or 12" Hypnetic Spinner Two Sided to Rotomold using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 879.

4. Plumb and level the entire assembly and tighten all fasteners.

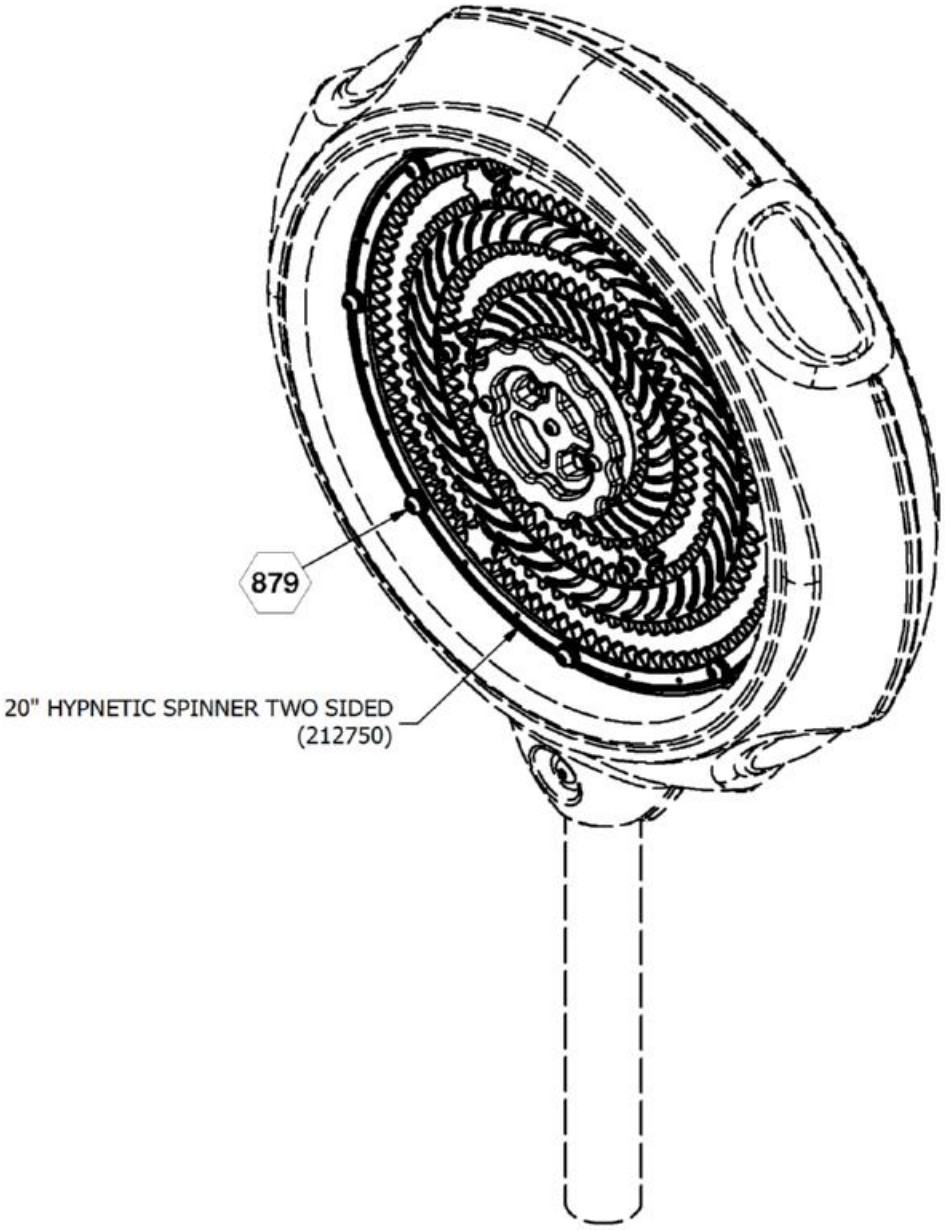
5. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

6. 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.

## 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. Also 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.

# 7310 20" TWO SIDED HYPNETIC WHEEL
# 7311 20" ONE SIDED HYPNETIC WHEEL
# 7312 12" TWO SIDED HYPNETIC WHEEL

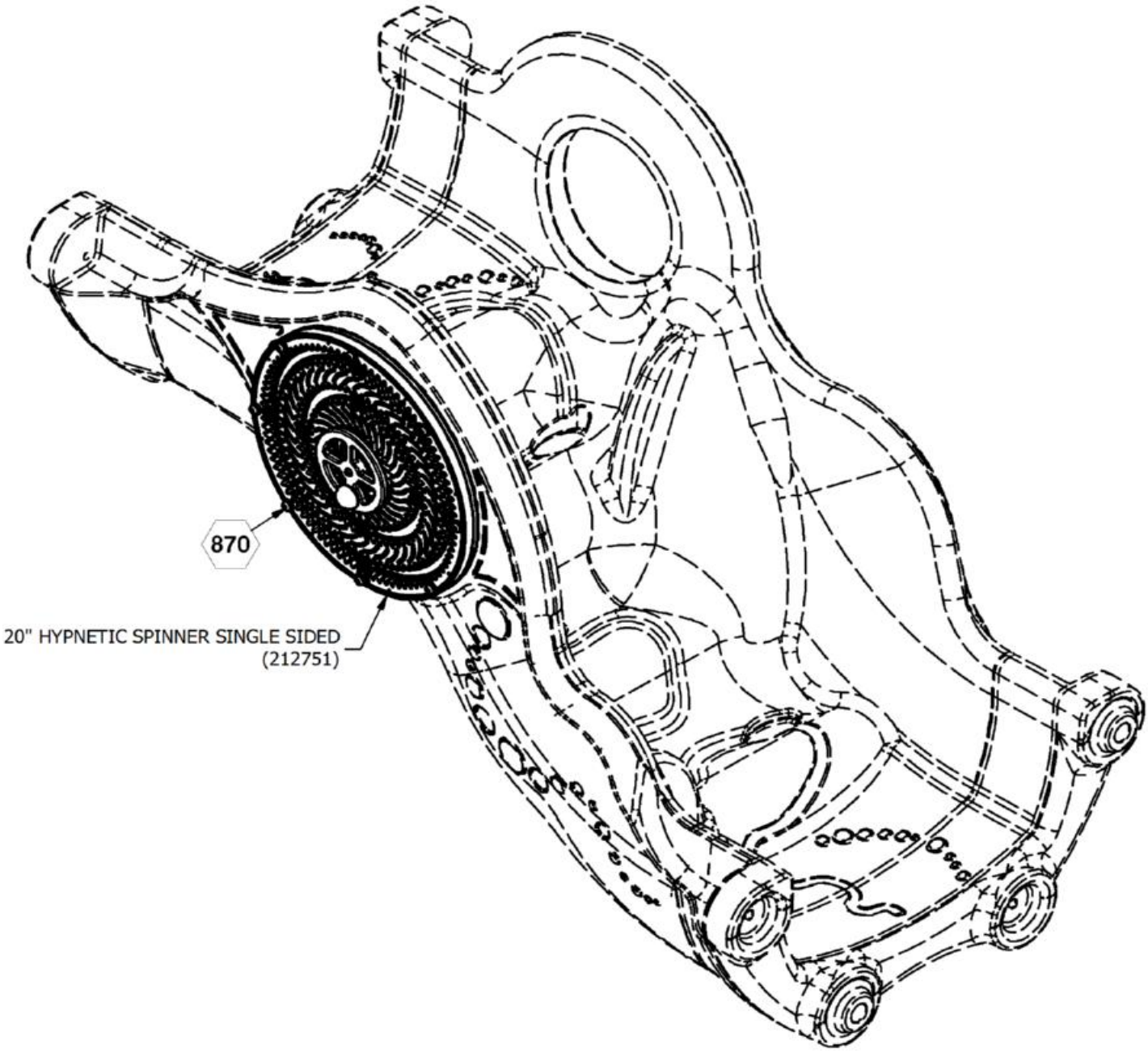



***FINISHED ASSEMBLY***
***7310 SHOWN***

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 7310 20" TWO SIDED HYPNETIC WHEEL
# 7311 20" ONE SIDED HYPNETIC WHEEL
# 7312 12" TWO SIDED HYPNETIC WHEEL



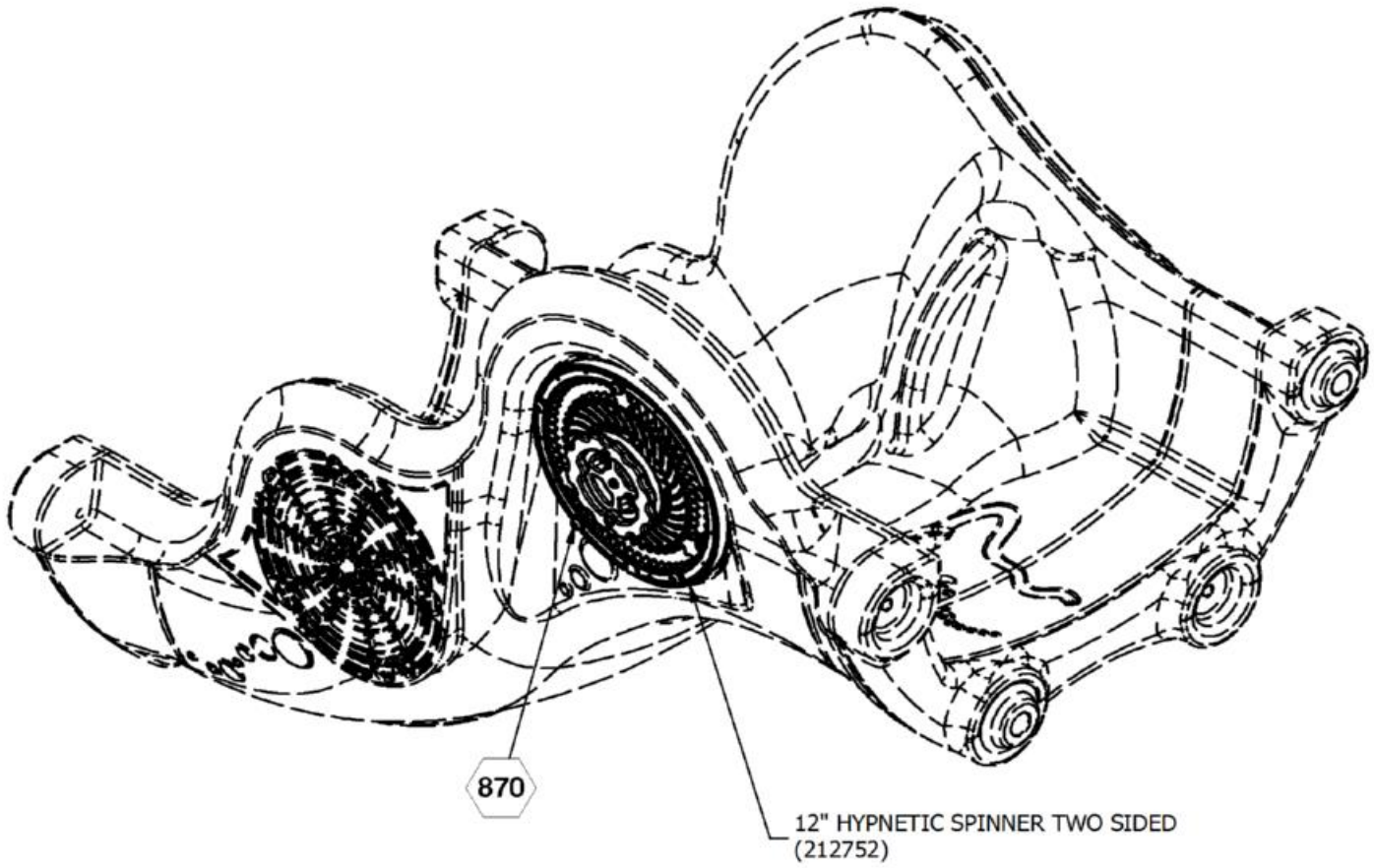

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***
***7311 SHOWN***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 5/8/2017

# 7310 20" TWO SIDED HYPNETIC WHEEL
# 7311 20" ONE SIDED HYPNETIC WHEEL
# 7312 12" TWO SIDED HYPNETIC WHEEL



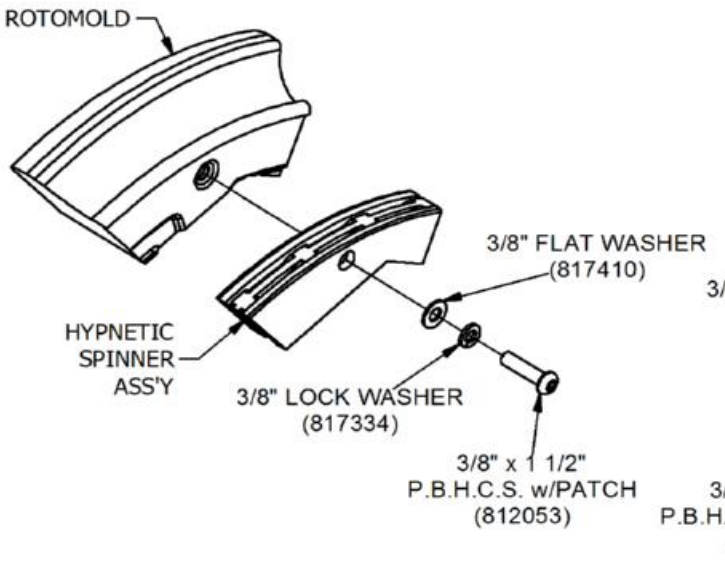

***FINISHED ASSEMBLY***
***7312 SHOWN***

⬡ = INSTALLATION DETAIL

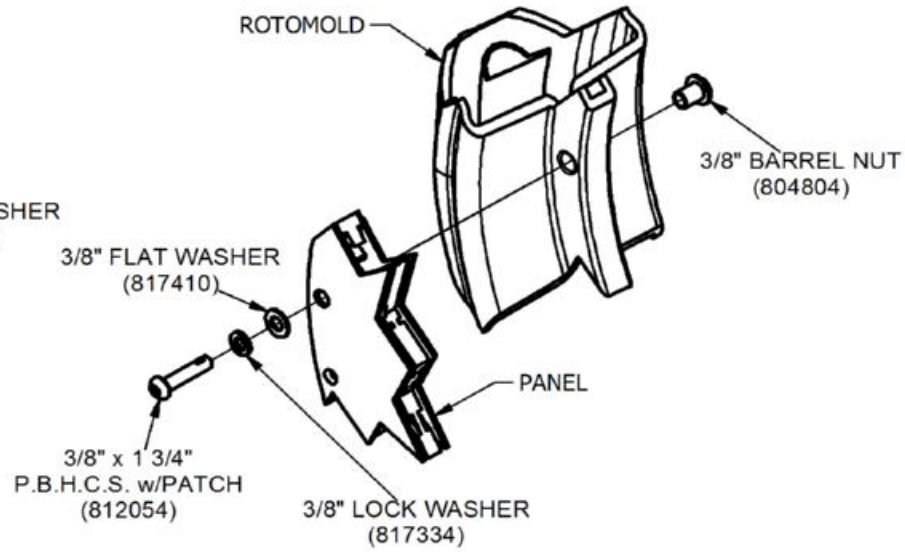
Issued/Revised: 5/8/2017

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 7310 20" TWO SIDED HYPNETIC WHEEL
# 7311 20" ONE SIDED HYPNETIC WHEEL
# 7312 12" TWO SIDED HYPNETIC WHEEL




870




879

# 7347 12" TWO SIDED COLOR WHEEL
# 7348 20" TWO SIDED COLOR WHEEL

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 7347 | 7348 | PART NUMBER |
| 12" COLOR WHEEL | 1 | 0 | 212463 |
| 20" COLOR WHEEL | 0 | 1 | 212464 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 212465 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 314125 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 5 | 0 | 812051 |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 0 | 8 | 812058 |
| 3/8" LOCK WASHER | 5 | 8 | 817334 |
| 3/8" FLAT WASHER | 5 | 8 | 817410 |
| 3/8" BARREL NUT | 5 | 8 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***SPECIFICATIONS:***

**Color Wheel:**
The Color Wheel shall be fabricated from 1/2" high density polyethylene and 3/16" thick colored UV inhibitive acrylic.

**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.

# 7347 12" TWO SIDED COLOR WHEEL
# 7348 20" TWO SIDED COLOR WHEEL

## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach 12" Color Wheel to Rotomold using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 546.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. 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.

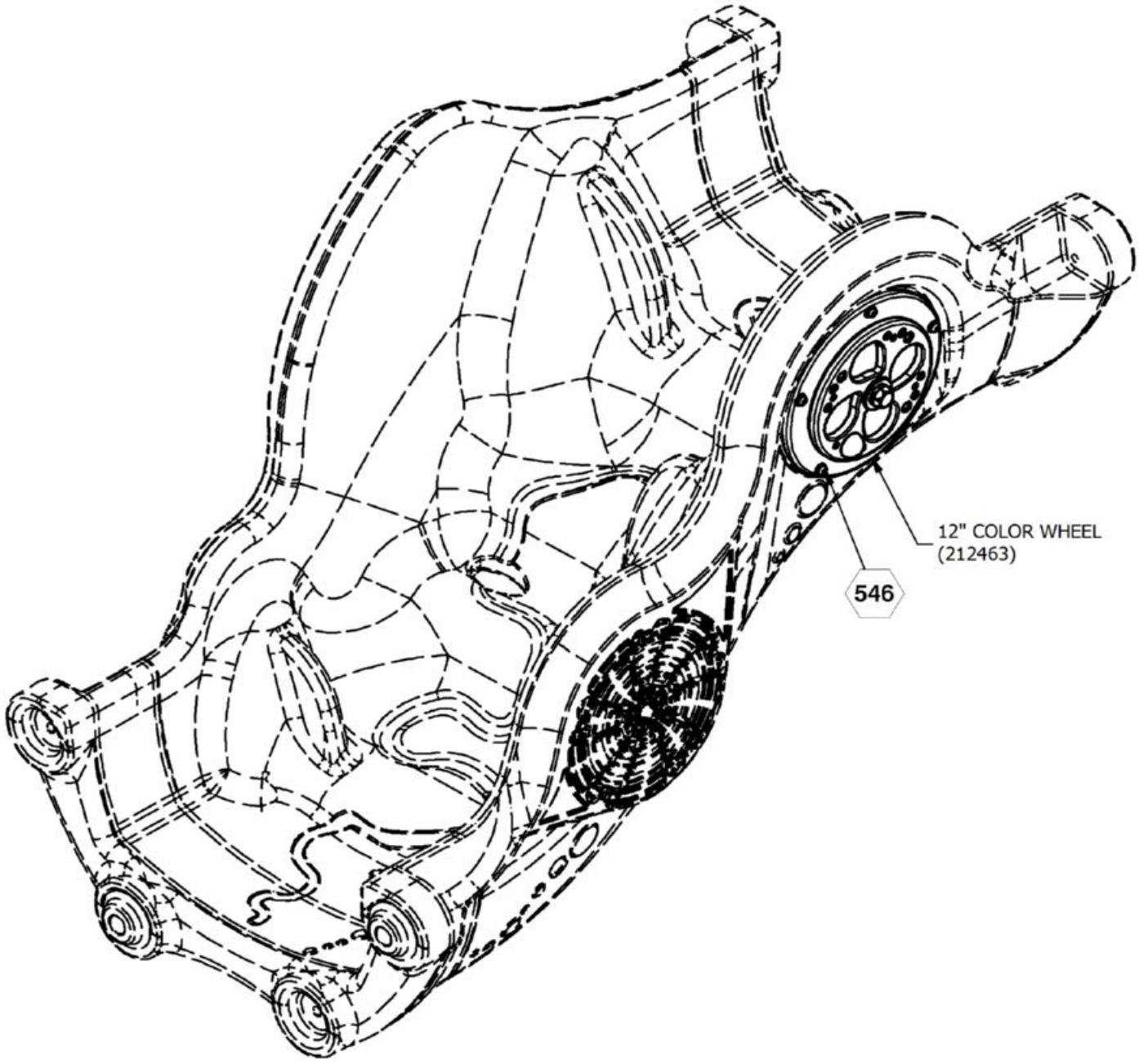
## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach 20" Color Wheel to Rotomold using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 881.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. 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.

## MAINTENANCE PROCEDURE:

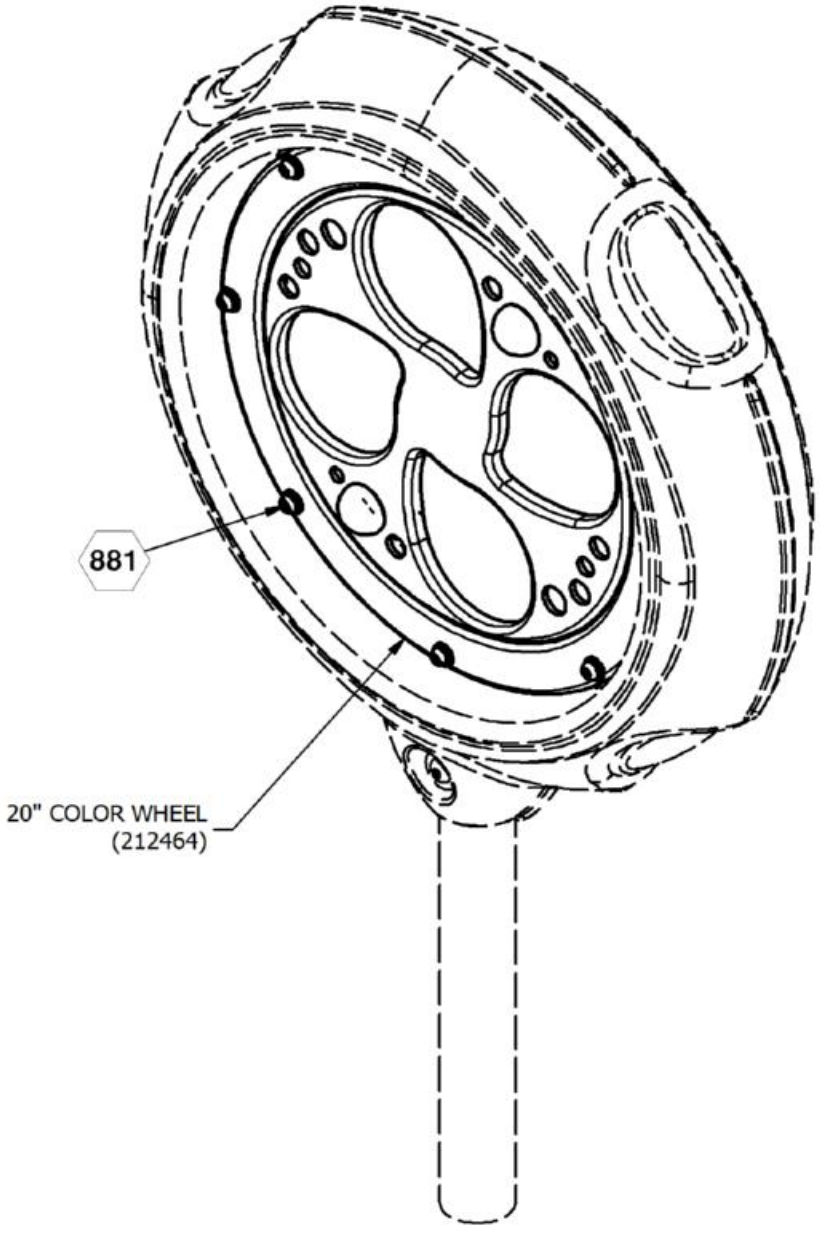
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.

# 7347 12" TWO SIDED COLOR WHEEL
# 7348 20" TWO SIDED COLOR WHEEL




***FINISHED ASSEMBLY***
***7347 SHOWN***

# 7347 12" TWO SIDED COLOR WHEEL
# 7348 20" TWO SIDED COLOR WHEEL



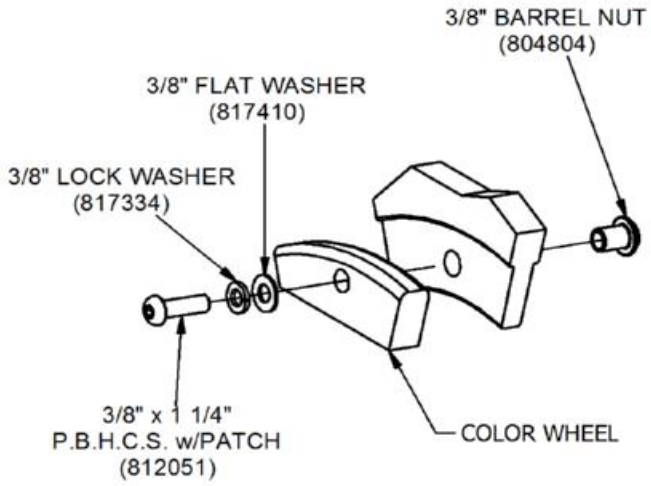

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***
***7348 SHOWN***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

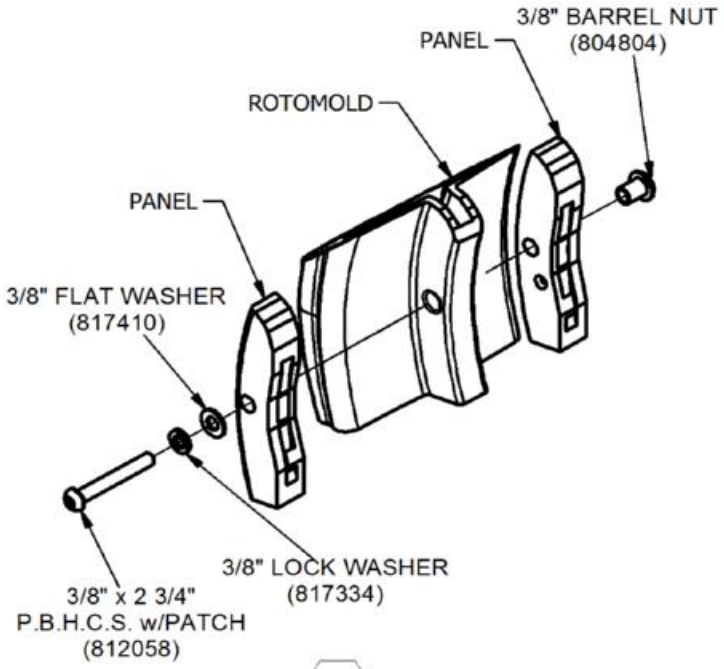
Issued/Revised: 2/2/2017

# 7347 12" TWO SIDED COLOR WHEEL
# 7348 20" TWO SIDED COLOR WHEEL




**NOTE:** DISCARD BARREL NUT FOR ROTOMOLD APPLICATION

546




881

SuperMax Play Systems

# 60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

*(ADD G PREFIX FOT GALV. POST)*

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60040 | G60040 | 60041 | G60041 | 60042 | G60042 | 60089 | G60089 | 60246 | PART NUMBER |
| 5" O.D. POST (ALUMINUM) 11' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 302277 |
| 5" O.D. POST (GALVANIZED) 11' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | G02277 |
| 5" O.D. POST (ALUMINUM) 13' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 302278 |
| 5" O.D. POST (GALVANIZED) 13' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | G02278 |
| 5" O.D. POST (ALUMINUM) 14' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 302279 |
| 5" O.D. POST (GALVANIZED) 14' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | G02279 |
| 5" O.D. POST (ALUMINUM) 12' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 301921 |
| 5" O.D. POST (GALVANIZED) 12' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | G01921 |
| 5" O.D. POST (ALUMINUM) 10' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 301923 |

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | G60246 | 60944 | G60944 | 60945 | G60945 | 61540 | G61540 | 61541 | G61541 | PART NUMBER |
| 5" O.D. POST (GALVANIZED) 10' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301922 |
| 5" O.D. POST (ALUMINUM) 15' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 305797 |
| 5" O.D. POST (GALVANIZED) 15' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G05797 |
| 5" O.D. POST (ALUMINUM) 9' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 305799 |
| 5" O.D. POST (GALVANIZED) 9' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G05799 |
| 5" O.D. POST (ALUMINUM) 4' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 305616 |
| 5" O.D. POST (GALVANIZED) 4' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G05616 |
| 5" O.D. POST (ALUMINUM) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 305617 |
| 5" O.D. POST (GALVANIZED) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G05617 |

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

**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

*(ADD G PREFIX FOT GALV. POST)*

## INSTALLATION INSTRUCTIONS:

1. Component numbers are for one (1) Upright Post only. Please refer to your Plan Drawing and Footing Diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure up from the lower end of each Upright Post and mark using a felt-tip marker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof naker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be instaling. Using your footing diagram and elevation view as a reference, move and dig holes accordingly.

3. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

4. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete has a downward slope of 45° at the top away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like nuts, bolts, etc.

## 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. Also 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.

SuperMax Play Systems

# 60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

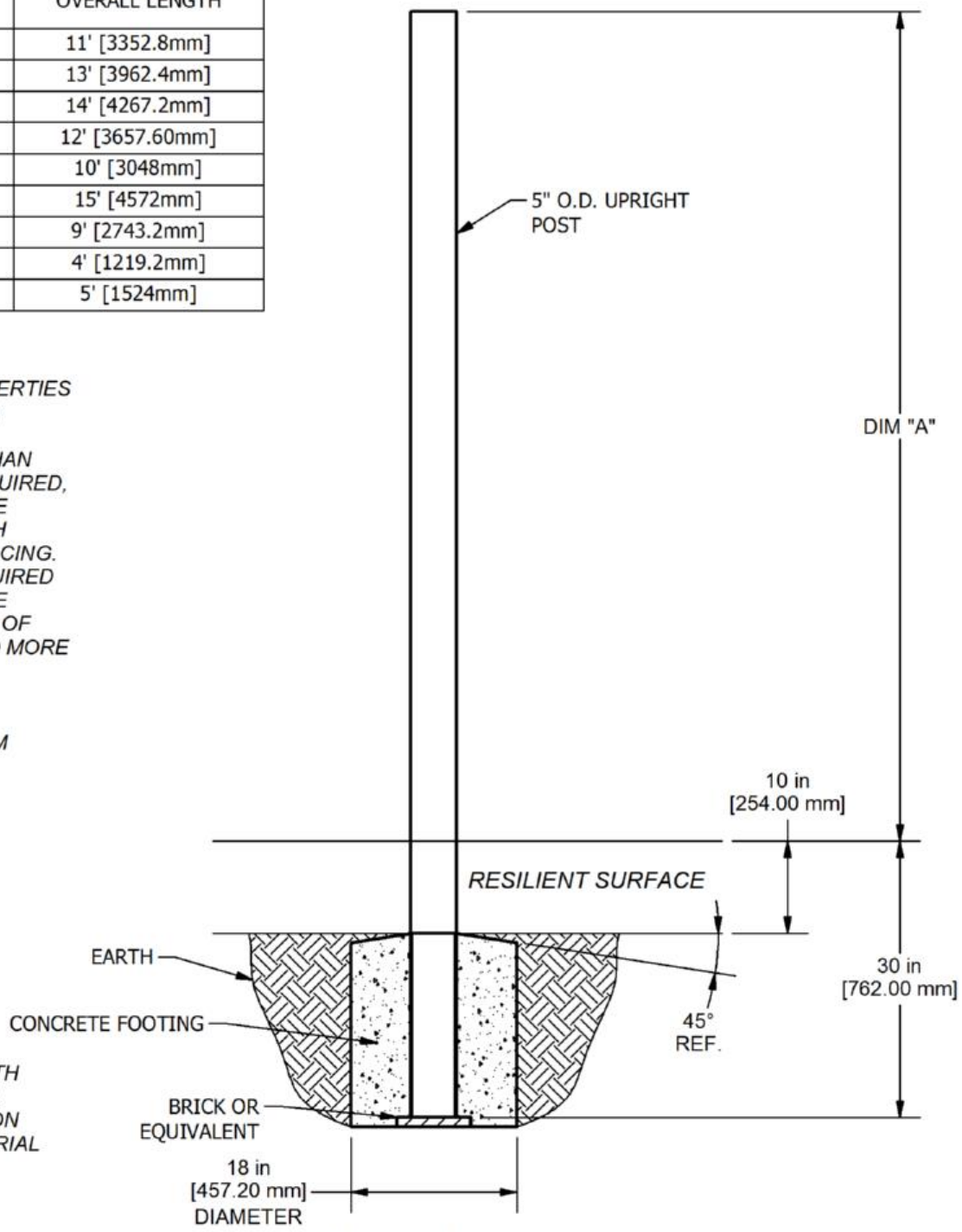
*(ADD G PREFIX FOT GALV. POST)*

| NO. | DIM "A" | OVERALL LENGTH |
|---|---|---|
| 60040 | 8'-6" [2590.8mm] | 11' [3352.8mm] |
| 60041 | 10'-6" [3200.4mm] | 13' [3962.4mm] |
| 60042 | 11'-6" [3505.2mm] | 14' [4267.2mm] |
| 60089 | 9'-6" [2895.6mm] | 12' [3657.60mm] |
| 60246 | 7'-6" [2286mm] | 10' [3048mm] |
| 60944 | 12'-6" [3810mm] | 15' [4572mm] |
| 60945 | 6'-6" [1981.2mm] | 9' [2743.2mm] |
| 61540 | 1'-6" [457.2mm] | 4' [1219.2mm] |
| 61541 | 2'-6" [762mm] | 5' [1524mm] |

*SHOCK ABSORBING PROPERTIES OF RESILIENT SURFACING MATERIALS VARY. IF YOU DETREMINE THAT LESS THAN 10" OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING. IF MORE THAN 10" IS REQUIRED MAKE UP THE DIFFERENCE BY REDUCING THE DEPTH OF THE GROUND HOLE BY NO MORE THAN 2".*

*NOTE:*
*-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI*

*NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF RESILIENT SURFACE MATERIAL AND CONCRETE*




***ELEVATION VIEW***

Issued/Revised: 7/11/2019

SuperMax Play Systems

# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(ADD G PREFIX FOR GALV. POST)*

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60059 | G60059 | 60060 | G60060 | 60088 | G60088 | 60102 | G60102 | PART NUMBER |
| 5" O.D. POST WITH CAP (ALUMINUM) 10' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300130 |
| 5" O.D. POST WITH CAP (GALVANIZED) 10' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G00130 |
| 5" O.D. POST WITH CAP (ALUMINUM) 12' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 300059 |
| 5" O.D. POST WITH CAP (GALVANIZED) 12' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G00059 |
| 5" O.D. POST WITH CAP (ALUMINUM) 14' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 300060 |
| 5" O.D. POST WITH CAP (GALVANIZED) 14' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G00060 |
| 5" O.D. POST WITH CAP (ALUMINUM) 6' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 300057 |
| 5" O.D. POST WITH CAP (GALVANIZED) 6' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G00057 |

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60178 | G60178 | 60946 | G60946 | 60947 | G60947 | 60948 | G60948 | PART NUMBER |
| 5" O.D. POST WITH CAP (ALUMINUM) 8' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300521 |
| 5" O.D. POST WITH CAP (GALVANIZED) 8' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G00521 |
| 5" O.D. POST WITH CAP (ALUMINUM) 15' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 305801 |
| 5" O.D. POST WITH CAP (GALVANIZED) 15' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G05801 |
| 5" O.D. POST WITH CAP (ALUMINUM) 13' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 305803 |
| 5" O.D. POST WITH CAP (GALVANIZED) 13' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G05803 |
| 5" O.D. POST WITH CAP (ALUMINUM) 11' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 305805 |
| 5" O.D. POST WITH CAP (GALVANIZED) 11' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G05805 |

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60949 | G60949 | 60956 | G60956 | 61538 | G61538 | 61539 | G61539 | PART NUMBER |
| 5" O.D. POST WITH CAP (ALUMINUM) 7' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 305807 |
| 5" O.D. POST WITH CAP (GALVANIZED) 7' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G05807 |
| 5" O.D. POST WITH CAP (ALUMINUM) 9' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 305810 |
| 5" O.D. POST WITH CAP (GALVANIZED) 9' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G05810 |
| 5" O.D. POST WITH CAP (ALUMINUM) 4' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 304957 |
| 5" O.D. POST WITH CAP (GALVANIZED) 4' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G04957 |
| 5" O.D. POST WITH CAP (ALUMINUM) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 305615 |
| 5" O.D. POST WITH CAP (GALVANIZED) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G05615 |

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

**Items listed below Hardware Complete line are included with Hardware Complete Number*

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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.***

# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(ADD G PREFIX FOR GALV. POST)*

## INSTALLATION INSTRUCTIONS:

1. Component numbers are for one (1) Upright Post only. Please refer to your Plan Drawing and Footing Diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure up from the lower end of each Upright Post and mark using a felt-tip marker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof naker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be instaling. Using your footing diagram and elevation view as a reference, move and dig holes accordingly.

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## MAINTENANCE PROCEDURE:

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SuperMax Play Systems

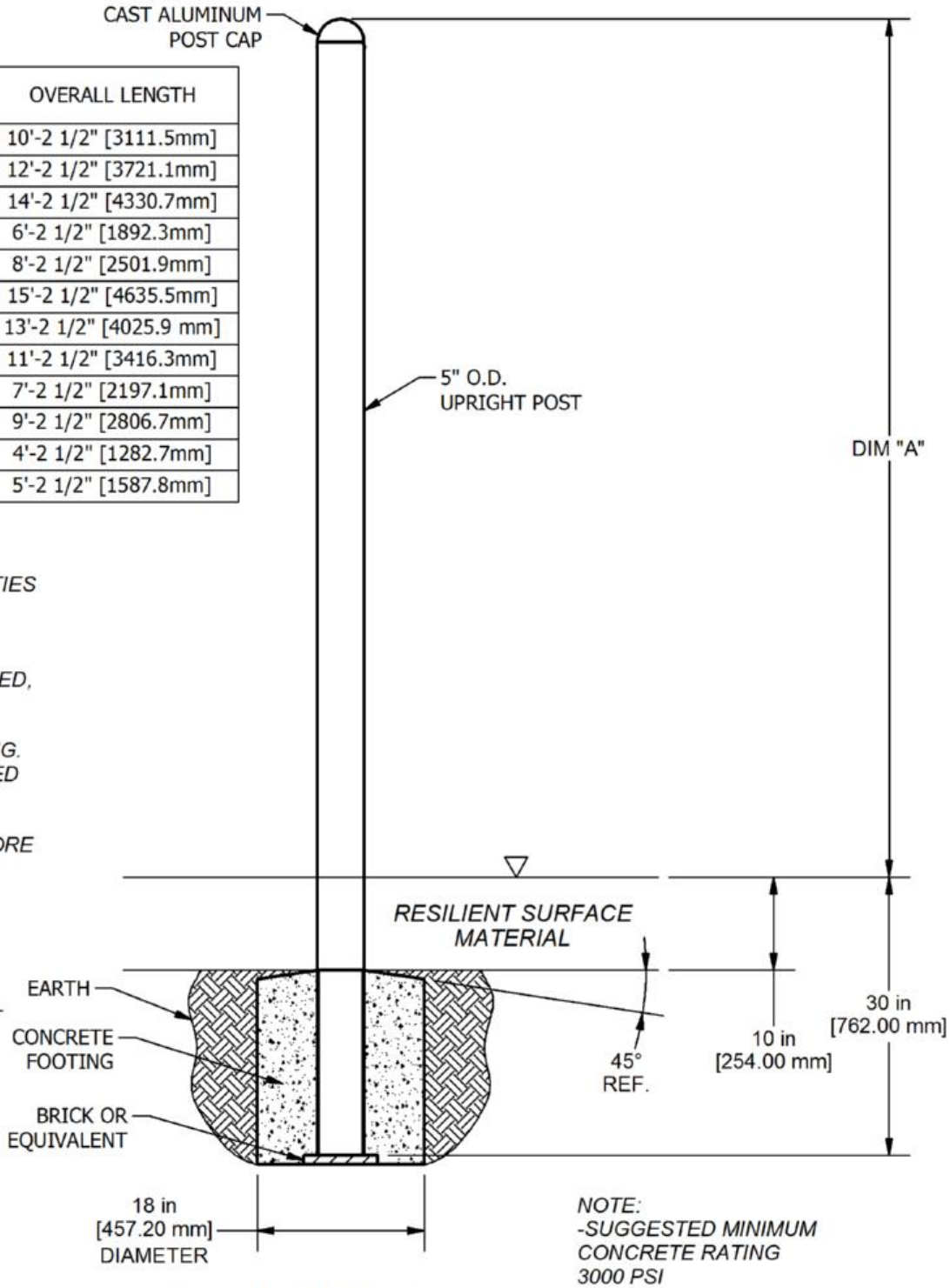
# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(ADD G PREFIX FOR GALV. POST)*

| NO. | DIM "A" | OVERALL LENGTH |
|---|---|---|
| 60059 | 7'-8 1/2" [2349.5mm] | 10'-2 1/2" [3111.5mm] |
| 60060 | 9'-8 1/2" [2959.1mm] | 12'-2 1/2" [3721.1mm] |
| 60088 | 11'-8 1/2" [3568.7mm] | 14'-2 1/2" [4330.7mm] |
| 60102 | 3'-8 1/2" [1130.3mm] | 6'-2 1/2" [1892.3mm] |
| 60178 | 5'-8 1/2" [1739.9mm] | 8'-2 1/2" [2501.9mm] |
| 60946 | 12'-8 1/2" [3873.5 mm] | 15'-2 1/2" [4635.5mm] |
| 60947 | 10'-8 1/2" [3263.9mm] | 13'-2 1/2" [4025.9 mm] |
| 60948 | 8'-8 1/2" [2654.3mm] | 11'-2 1/2" [3416.3mm] |
| 60949 | 4'-8 1/2" [1435.1mm] | 7'-2 1/2" [2197.1mm] |
| 60956 | 6'-8 1/2" [2044.7mm] | 9'-2 1/2" [2806.7mm] |
| 61538 | 1'-8 1/2" [520.7mm] | 4'-2 1/2" [1282.7mm] |
| 61539 | 2'-8 1/2" [1282.7mm] | 5'-2 1/2" [1587.8mm] |

*SHOCK ABSORBING PROPERTIES OF RESILIENT SURFACING MATERIALS VARY. IF YOU DETREMINE THAT LESS THAN 10" OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING. IF MORE THAN 10" IS REQUIRED MAKE UP THE DIFFERENCE BY REDUCING THE DEPTH OF THE GROUND HOLE BY NO MORE THAN 2".*

*NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF RESILIENT SURFACE MATERIAL AND CONCRETE*




*NOTE:*
*-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI*

***ELEVATION VIEW***

Issued/Revised: 7/11/2019

SuperMax Play Systems

Model No: _____

Desc: _____

# MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)

## PARTS LIST

| DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|
| Small Kickplate | 1 | 305742 |
| *Hardware Complete* | 1 | 302411 |
| 3/8" x 3/4" P.B.H.C.S. w/Patch | 8 | 812052* |
| 3/8" Lock Nut | 8 | 804353* |
| 3/8" Flat Washer (1 1/4" O.D.) | 16 | 817424* |

***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 any non-patch hardware.***

***SPECIFICATIONS:***

Kickplate measures 9-1/2" x 38" and is cut from galvanneal sheet metal with eight (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes and receives a baked-on polyester powder-coat finish after fabrication.

Primary hardware is stainless steel.

***INSTALLATION INSTRUCTIONS:***

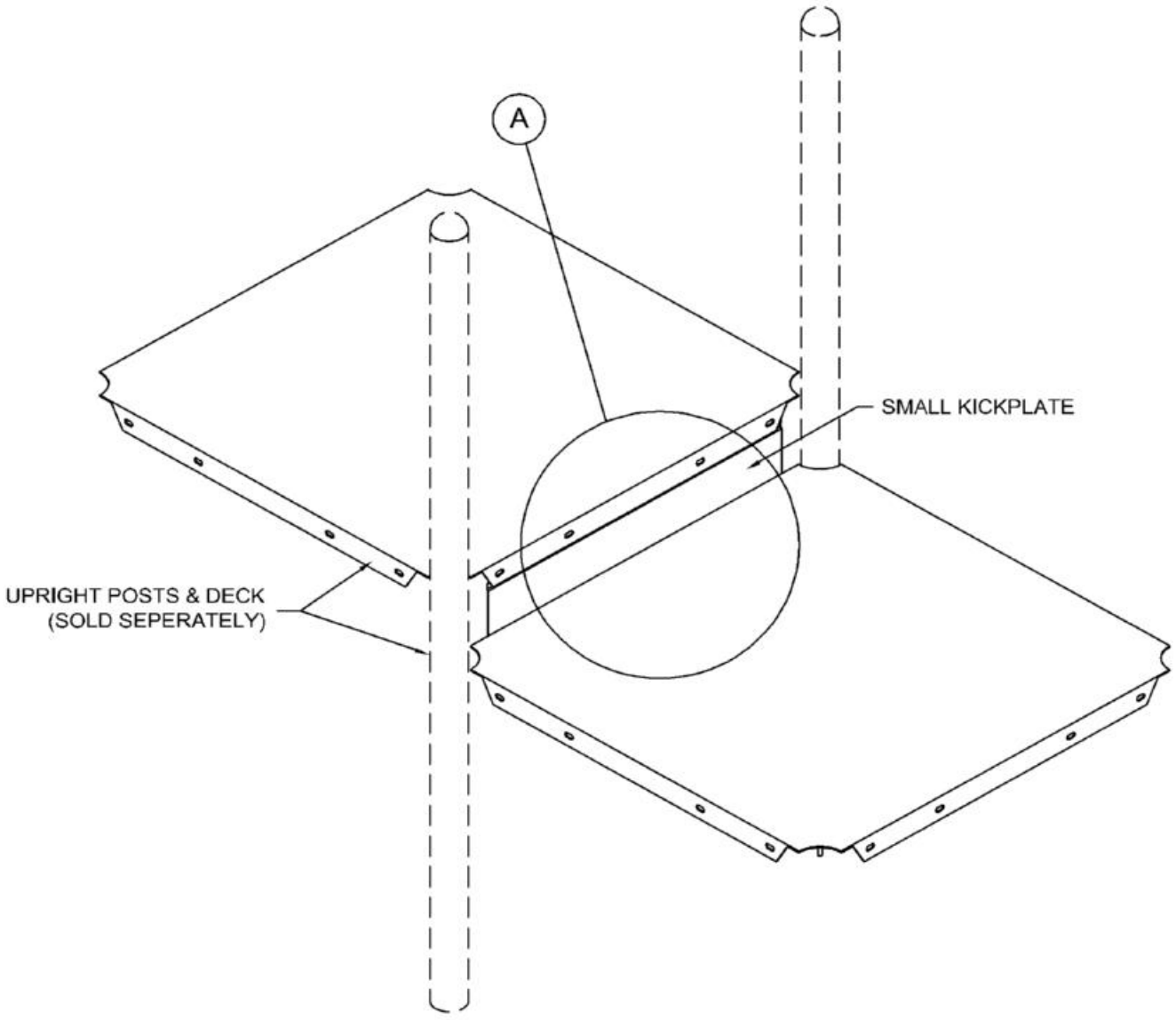
1. Refer to the main drawing to locate decks, which are spaced 8" apart. These will require Kickplate(s). Attach Kickplates after decks have been installed, but before deck clamps have been pinned, in case adjustment in deck heights is required to match up holes in deck flanges with holes in Kickplate.

2. Fasten the Kickplate between decks as shown in the drawing. No portion of the Kickplate should be protruding in a manner that could cause a user to receive a cut, scrape or trip over an edge. Any rough edges should be filed smooth, and any protruding corners should be flattened. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

***MAINTENANCE PROCEDURE:***

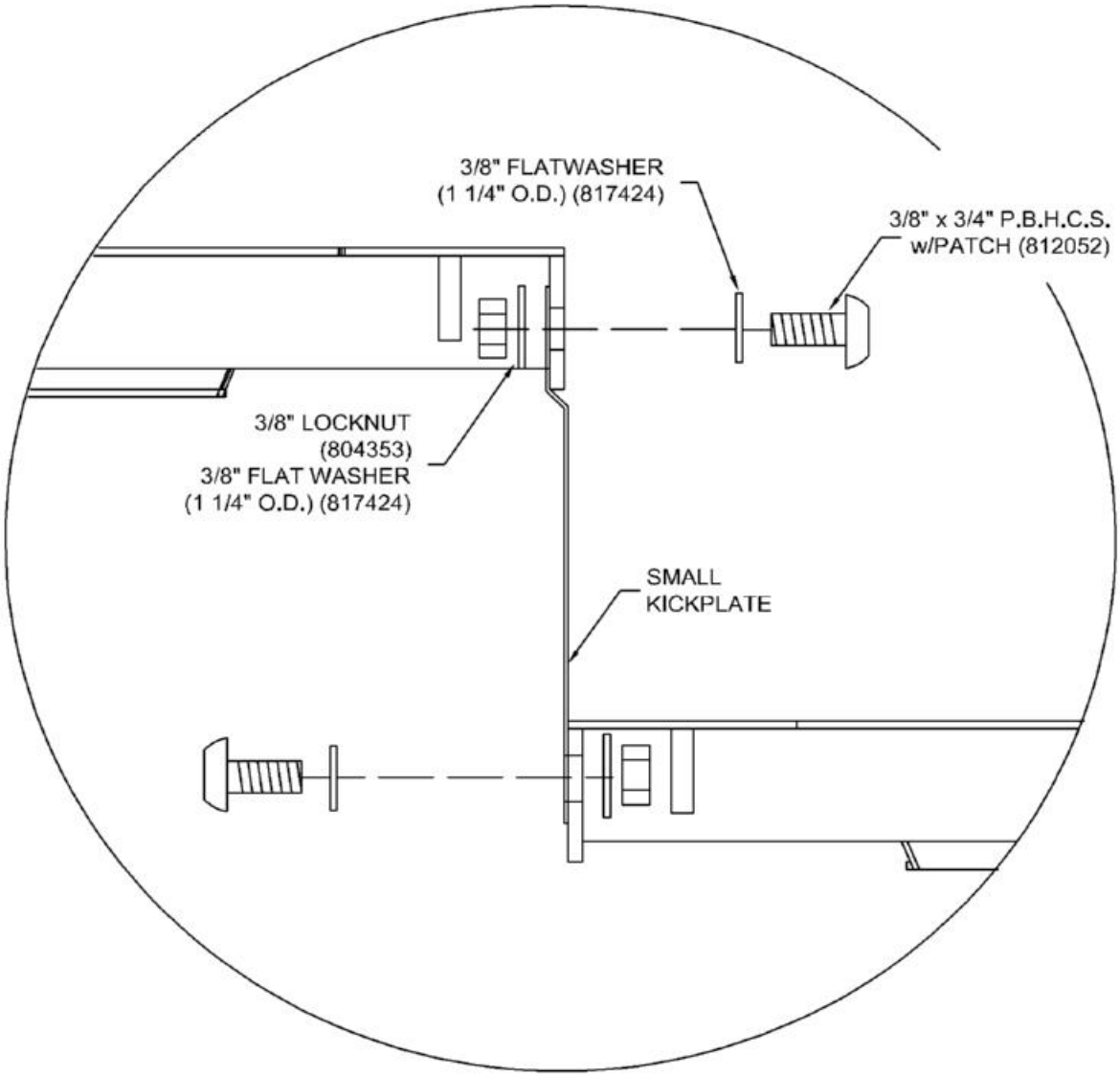
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

# MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)




FINISHED ASSEMBLY

# MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)




DETAIL "A"

# MODEL NO. 60088 SuperMax 168" Aluminum Post w/ Cap
# MODEL NO. G60088 SuperMax 168" Galvanized Post w/ Cap

## PARTS LIST

| DESCRIPTION | 60088 | G60088 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post w/ Cap (Aluminum) | 1 | 0 | 300060 |
| 5" O.D. Post w/ Cap (Galvanized) | 0 | 1 | G00060 |

***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.***

***ALUMINUM SPECIFICATIONS:***

Post is 5" O.D. x 168", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyester powder-coated after fabrication. A cast aluminum cap of matching color is factory riveted into the top end using two (2) aluminum rivets.

Weight: 24 lb. / 10.8 kg.

***GALVANIZED SPECIFICATIONS:***

Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap powder-coated to match the post color is factory-riveted to the top end using two (2) aluminum rivets.

□e□□□□98 lb. / 44.5 kg.

***INSTALLATION INSTRUCTIONS:***

1. The models 60088 and G60088 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# MODEL NO. 60088 SuperMax 168" Aluminum Post w/ Cap
# MODEL NO. G60088 SuperMax 168" Galvanized Post w/ Cap

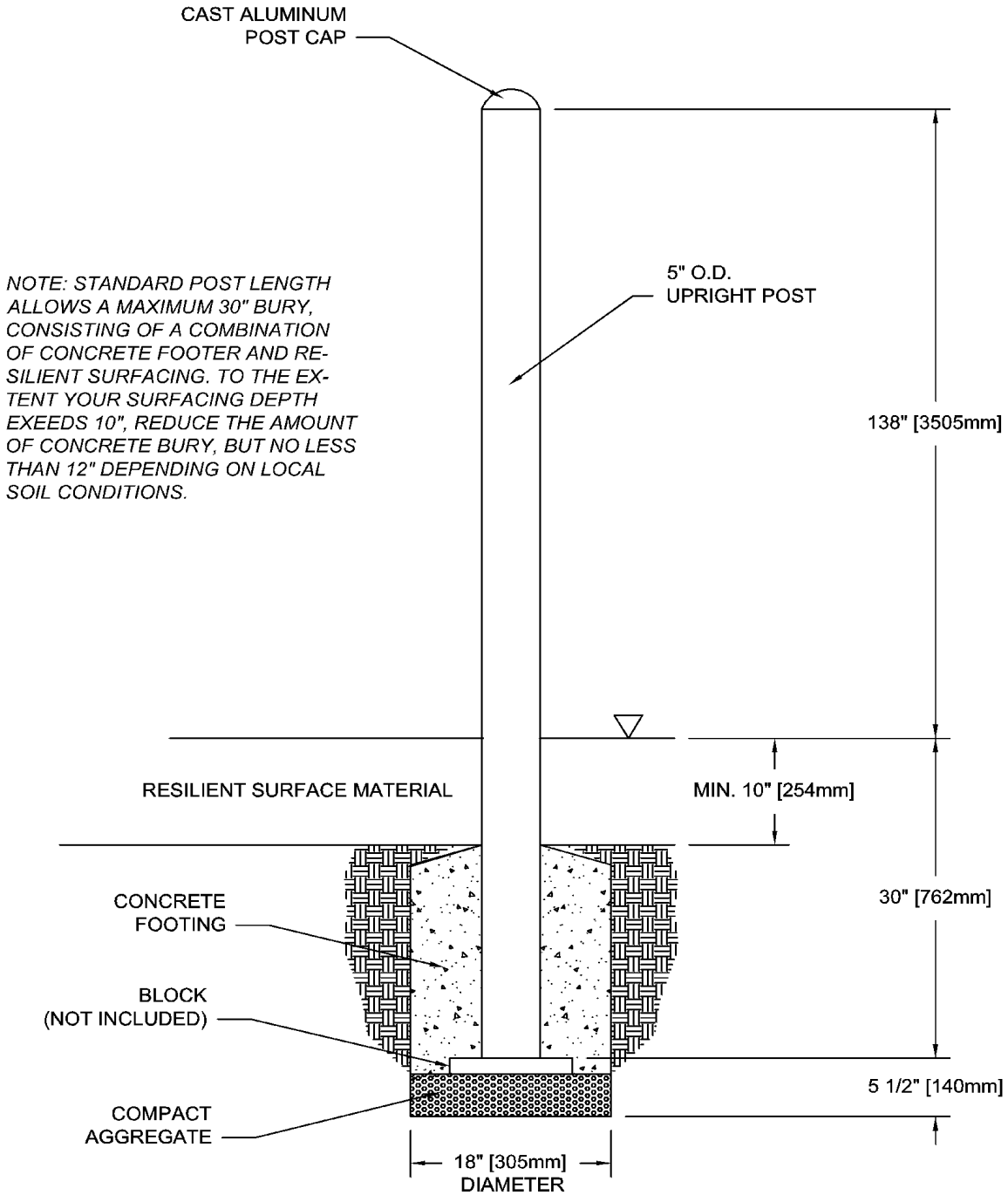
***IMPORTANT:***

To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

***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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for holes on deck, clean if necessary. 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.

# MODEL NO. 60088 SuperMax 168" Aluminum Post w/ Cap
# MODEL NO. G60088 SuperMax 168" Galvanized Post w/ Cap




*NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.*

SuperMax Play Systems

# MODEL NO. 60645 DECK CURB

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | DECK CURB | 1 | 308766 |
| | HARDWARE COMPLETE | 1 | 178177 |
| | 3/8" T-NUT | 4 | 804556 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| | 3/8" LOCK WASHER | 4 | 817334 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052 |
| | 1/2" FLAT WASHER | 4 | 817412 |

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

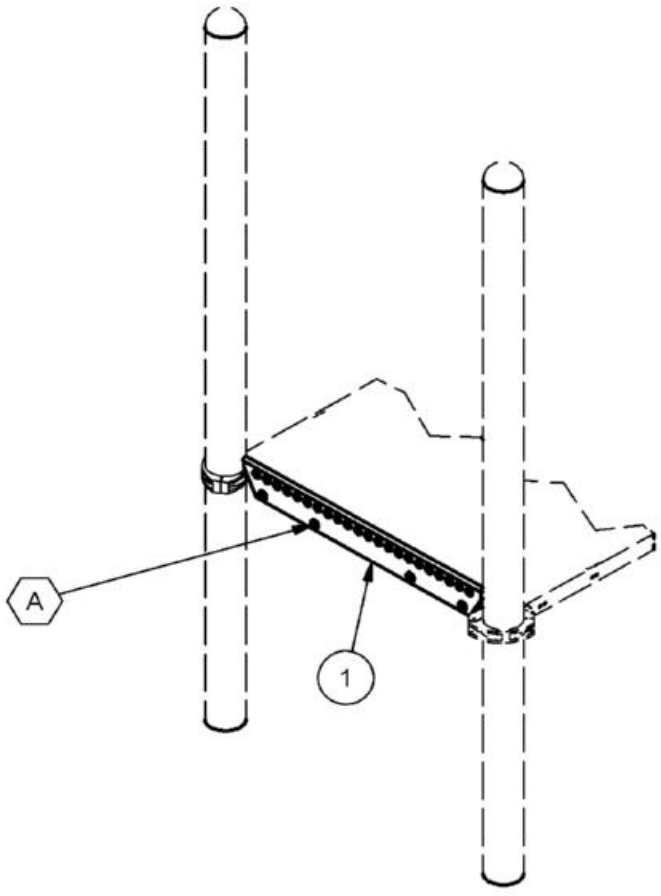
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***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-threaded hardware.***

## INSTALLATION INSTRUCTIONS:

1. Select the appropriate Deck opening to receive the Deck Curb. Refer to your overhead drawing for location.

2. Attach Deck Curb to side of deck using hardware shown in Detail A.



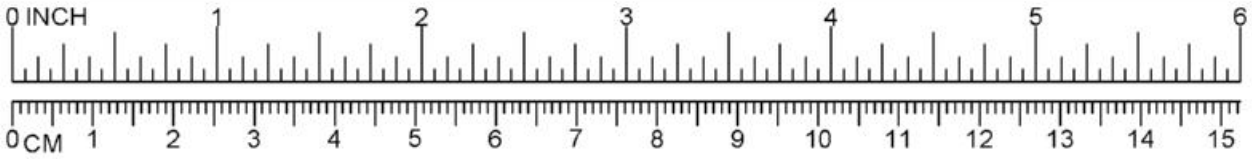
# DETAILS -for-
# 60645

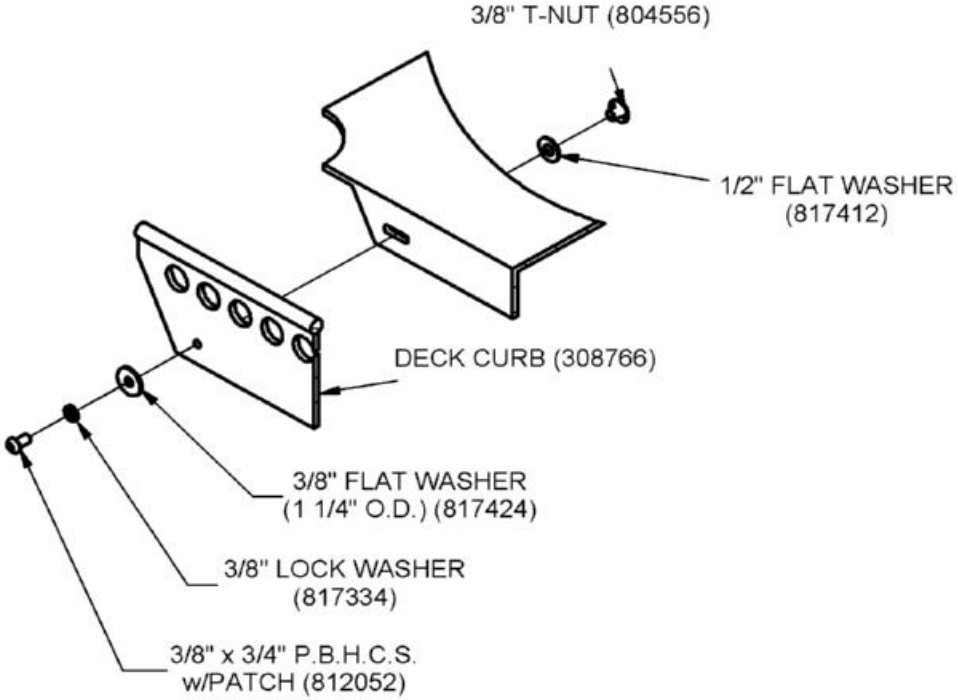
*IMPORTANT*

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.




DETAIL "A"

# MODEL NO. 60945 Aluminum 108" Post w/o Cap
# MODEL NO. G60945 Galvanized 108" Post w/o Cap

## PARTS LIST

| DESCRIPTION | 60945 | G60945 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post w/o Cap (Aluminum) | 1 | 0 | 305799 |
| 5" O.D. Post w/o Cap (Galvanized) | 0 | 1 | G05799 |

***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.***

***ALUMINUM SPECIFICATIONS:***
Post is 5" O.D. x 108", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyester powder-coated after fabrication.

Weight: 20.25 lb. / 9.18 kg.

***GALVANIZED SPECIFICATIONS:***
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish.

Weight: 56.29 lb. / 25.53 kg.

***INSTALLATION INSTRUCTIONS:***

1. The models 60945 and G60945 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Model No: _____

Desc: _____

# MODEL NO. 60945 Aluminum 108" Post w/o Cap
# MODEL NO. G60945 Galvanized 108" Post w/o Cap

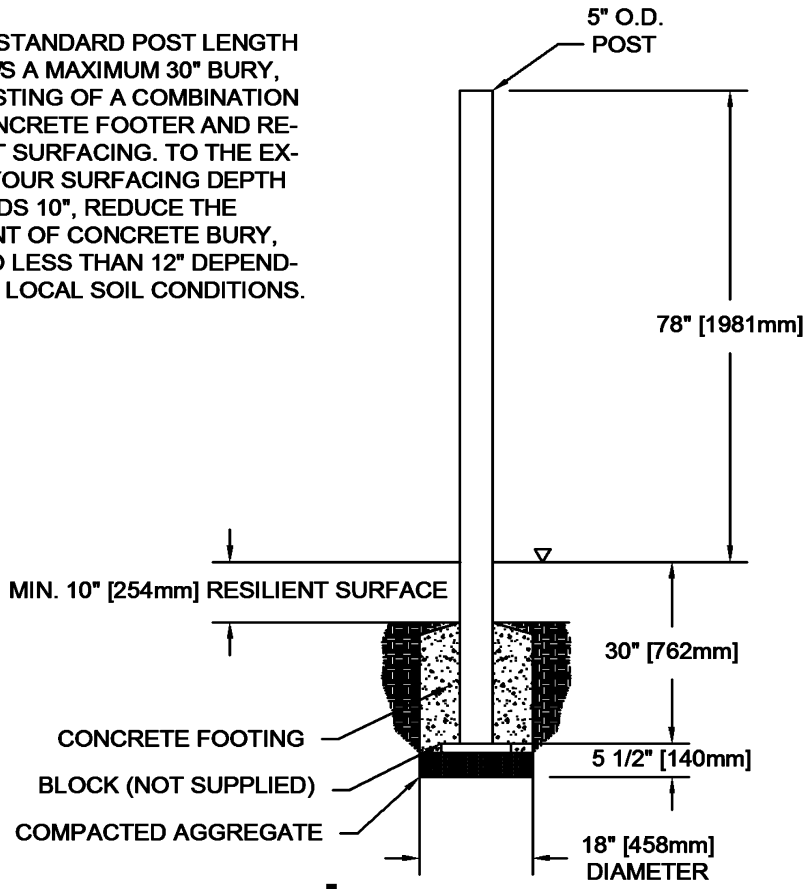
***IMPORTANT:***

To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

***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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for holes on deck, clean if necessary. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



# MODEL NO. 60948 Aluminum 132" Post with Cap
# MODEL NO. G60948 Galvanized 132" Post with Cap

PARTS LIST

| DESCRIPTION | 60948 | G60948 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post with Cap (Aluminum) | 1 | 0 | 305805 |
| 5" O.D. Post with Cap (Galvanized) | 0 | 1 | G05805 |

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 132", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyesterpowder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 25.75 lb. / 11.68 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 69.79 lb. / 31.65 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60948 and G60948 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that itis time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will beinstalling. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

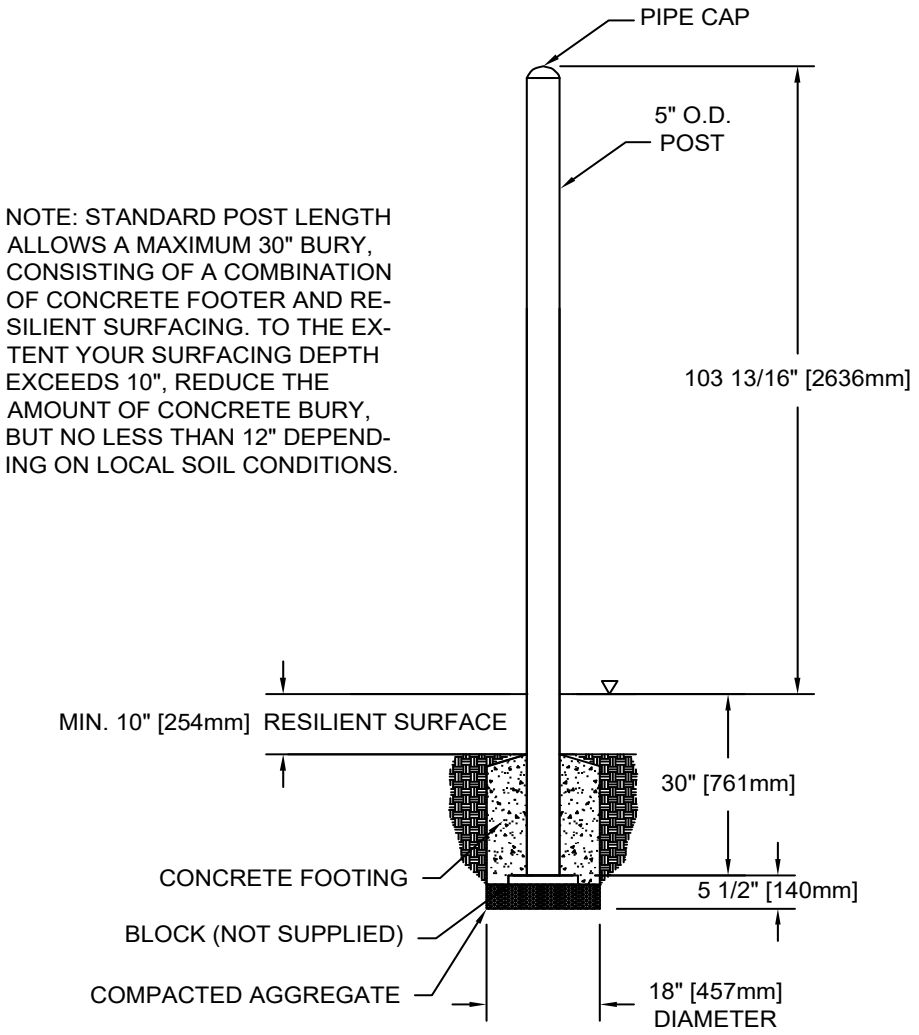
4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only whenall positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# MODEL NO. 60948 Aluminum 132" Post with Cap
# MODEL NO. G60948 Galvanized 132" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for hdes on deck, clean if necessary. 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.



# MODEL NO. 60949 Aluminum 84" Post with Cap
# MODEL NO. G60949 Galvanized 84" Post with Cap

PARTS LIST

| DESCRIPTION | 60949 | G60949 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post with Cap (Aluminum) | 1 | 0 | 305807 |
| 5" O.D. Post with Cap (Galvanized) | 0 | 1 | G05807 |

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 84", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyesterpowder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 16.75 lb. / 7.60 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 44.78 lb. / 20.31 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60949 and G60949 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that itis time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will beinstalling. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

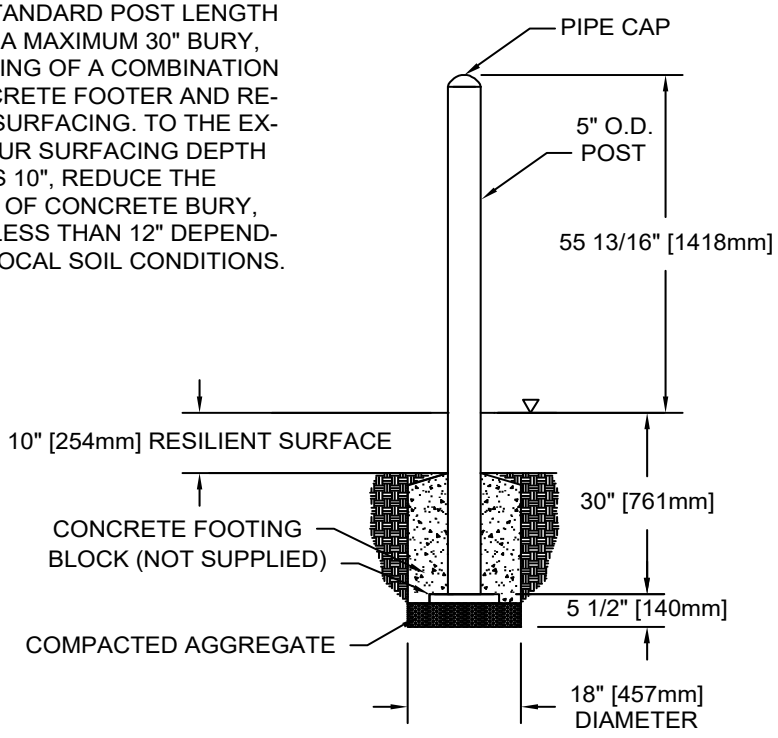
5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only whenall positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# MODEL NO. 60949 Aluminum 84" Post with Cap
# MODEL NO. G60949 Galvanized 84" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for hdes on deck, clean if necessary. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



SuperMax Play Systems

# 61383 Single Post Fabric Shade

| PARTS LIST | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| UMBRELLA UPRIGHT EXTENSION | 1 | 179803 |
| UMBRELLA ARM | 6 | 179818 |
| UMBRELLA BRACE | 6 | 179814 |
| INGROUND EXTENSION | 1 | 200053 |
| SHADE END CASTING 2 7/8" | 6 | 179787 |
| FABRIC PACKAGE FOR SINGLE POST FABRIC SHADE | 1 | 214365 |
| CABLE/CLAMP PACKAGE FOR SINGLE POST FABRIC SHADE | 1 | 214370 |
| CABLE | 1 | |
| CABLE CLAMP | 4 | |
| HARDWARE COMPLETE | 1 | 309402 |
| 1/2" x 1 1/4" HEX HEAD BOLT | 18 | 801204* |
| 1/2" LOCKWASHER | 19 | 817342* |
| 1/2" LOCKNUT | 19 | 804355* |
| 1/2" FLAT WASHER | 12 | 817412* |
| 1/4" x 3/4" DRIVE RIVET | 12 | 168449* |
| 1/2" ANCHOR ROD | 2 | 135038* |
| 3/8" x 5" P.B.H.C.S. w/PATCH | 2 | 812078* |
| 3/8" FLAT WASHER | 2 | 817410* |
| 3/8" LOCK WASHER | 2 | 817334* |
| 3/8" BARREL NUT | 2 | 804804* |
| 1/2" PIN-IN HEX KEY | 1 | 812640* |
| 1/2" x 5 1/2" HEX HEAD BOLT | 1 | 801221* |

*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.***

# 61383 Single Post Fabric Shade

## INSTALLATION INSTRUCTIONS:

1. Installation of shade must be done after playground has been installed, and concrete has cured. Approximately 48 hrs. (Refer to Detail 370 for footing requirements of uprights that support shade).

2. Attach the Umbrella Upright Extension to the upright using 3/8" x 5" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 373.

3. Attach the six Umbrella Braces to the Umbrella Upright Extension using 1/2" x 1 1/4" Hex Head Bolt, 1/2" Lock Washer and 1/2" Lock Nut as shown in Detail 375. ***Important:*** Do not tighten any bolts. Braces should be left loose so they can rotate into position and attach to Umbrella Arms.

4. Place the six Shade End Castings in the Umbrella Arms and attach using 1/4" x 3/4" Drive Rivets. See Detail 376. ***Note:*** Pin on Casting must be positioned opposite from tabs on the Umbrella Arms.

5. Attach the Umbrella Arms to the Umbrella Upright Extension using 1/2" x 1 1/4" Hex head Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. Refer to Detail 374.

6. Attach loose end of Umbrella Brace to Umbrella Arm using 1/2" x 1 1/4" Hex head Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. Refer to Detail 374.

7. Identify top of Fabric. The logo will be on bottom.

8. Starting at one corner, thread the steel cable into the jump-out hole beneath the loop of black fabric. NOTE: The starting corner (with the loose ends of cable) will be the only corner using the jump-out hole. At all other corners the cable will exit out the end of the fabric sleeve. Repeat until entire Fabric has been encircled. Leave a loop approximately 9 inches at each corner.

9. Spread the Fabric over the frame securing two opposite corners to the pins in the Shade End Castings ***Note:*** The Steel Cable must always pass under the pin in each Casting. See Detail 930.

10. Place the loop of cable below the eye of the remaining corners and pull the Fabric down over the pins. It may be necessary to flap the loose corners up and down to stretch the Fabric so that it fits over the pins.

11. There should be approximately 2' of Steel Cable left after the completion of step #11. Attach a come-along to one end of the Steel Cable. Attach the other end of the come-along to the adjacent upright (place protective fabric between come-along and the upright to protect paint). Tension the come-along slightly. Check again to make sure the Steel Cable is still under the Shade End Casting pins.

12. Attach a second come-along to the other Steel Cable and to the opposite upright. See Detail 929.

13. Take turns tensioning each come-along 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 Fabric by hitting the perimeter Steel Cable with the palm of your hand to see how much it moves. If the Fabric does not move more than 6" up or down then you have the correct tension. If Fabric bounces and has a ripple affect then you may need to apply more tension.

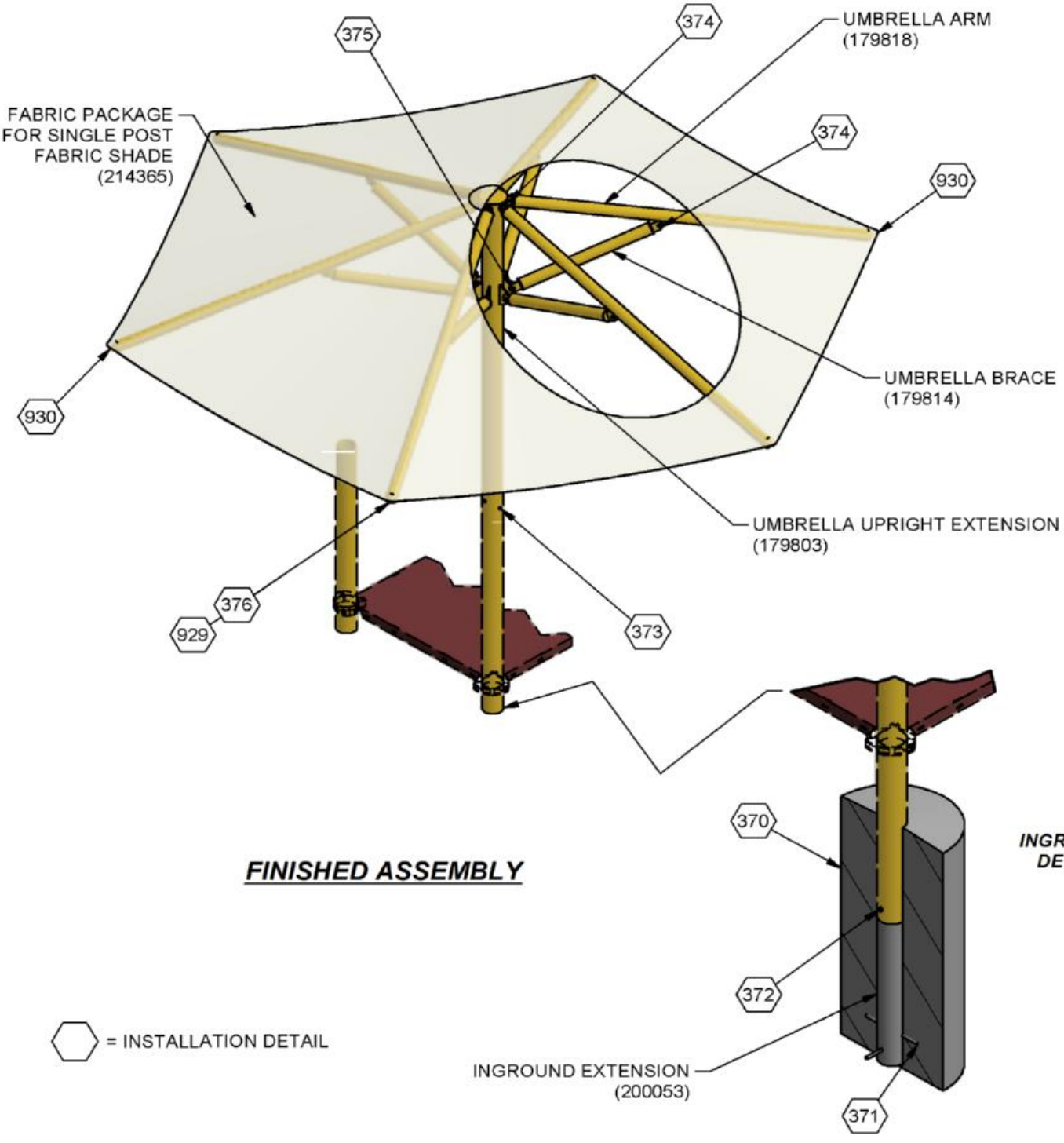
14. Using the Cable Clamps provided, fasten the Steel Cables together. Two Cable Clamps must be used and touching each other.

15. After clamps are tightened, thread the excess Steel Cable back into jump-out hole in the sleeve of the Fabric. 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.

## 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. Also 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.

# 61383 Single Post Fabric Shade



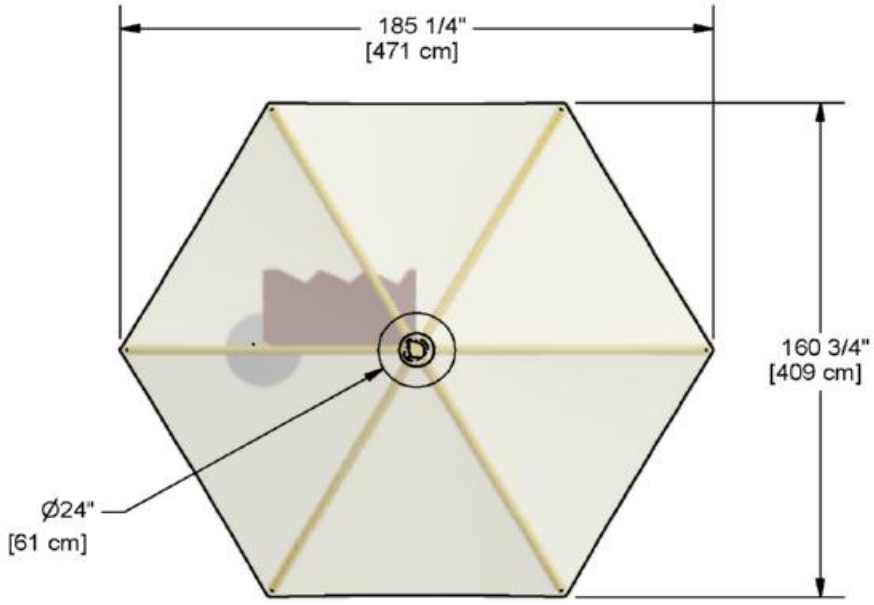

***FINISHED ASSEMBLY***

***INGROUND DETAIL***

⬡ = INSTALLATION DETAIL

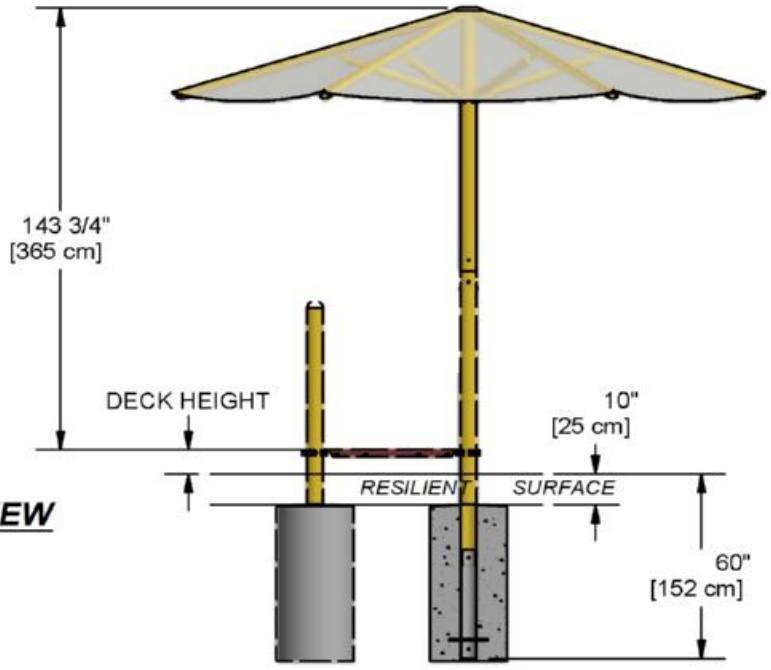
# 61383 Single Post Fabric Shade

## PLAN VIEW




**CONCRETE REQUIRED**
0.49 CUBIC YARDS
[0.37 CUBIC METERS]

## ELEVATION VIEW



# 61383 Single Post Fabric Shade

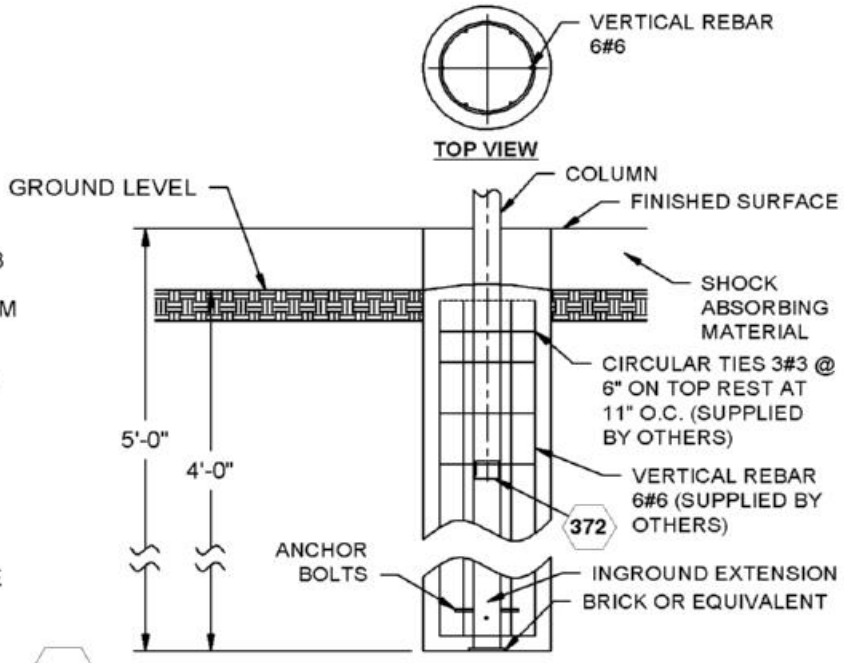
**REINFORCED CONCRETE**

1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE. CONCRETE SPECIFICATIONS, SHALL BE AS FOLLOWS:
   - -28 DAY STRENGTH: 2500PSI
   - -SLUMP: 3-5
   - -PORTLAND CEMENT SHALL CONFORM TO C-150
   - -AGGREGATE SHALL CONFORM TO ASTM C-33

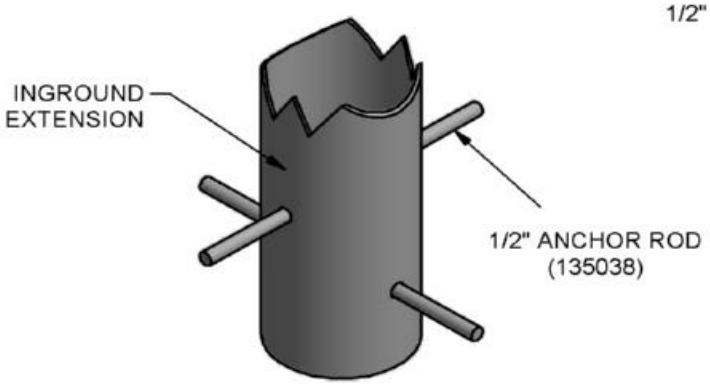
2. ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60
REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.

3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED)

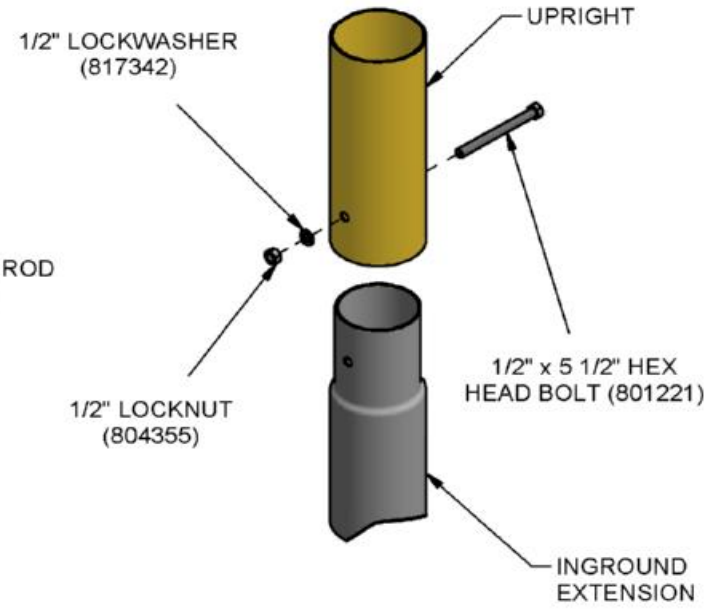
4. SOIL PARAMETERS FOR ANALYSIS TABLE 1804.2, CLASS : 5




370

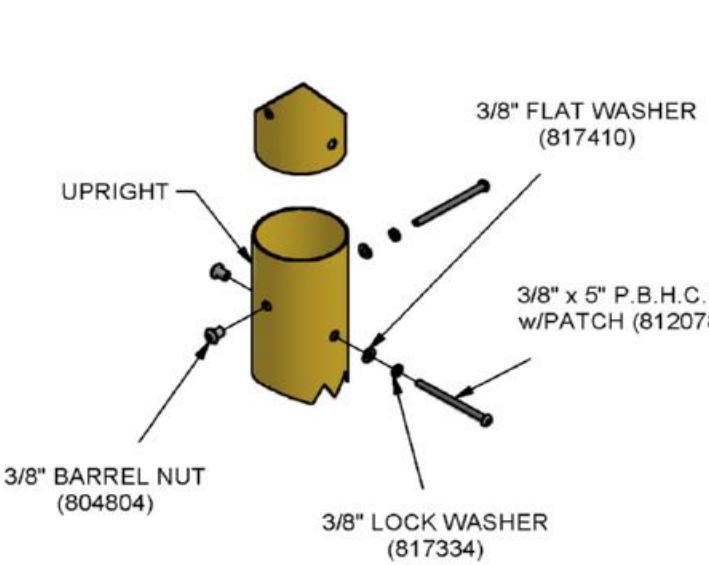



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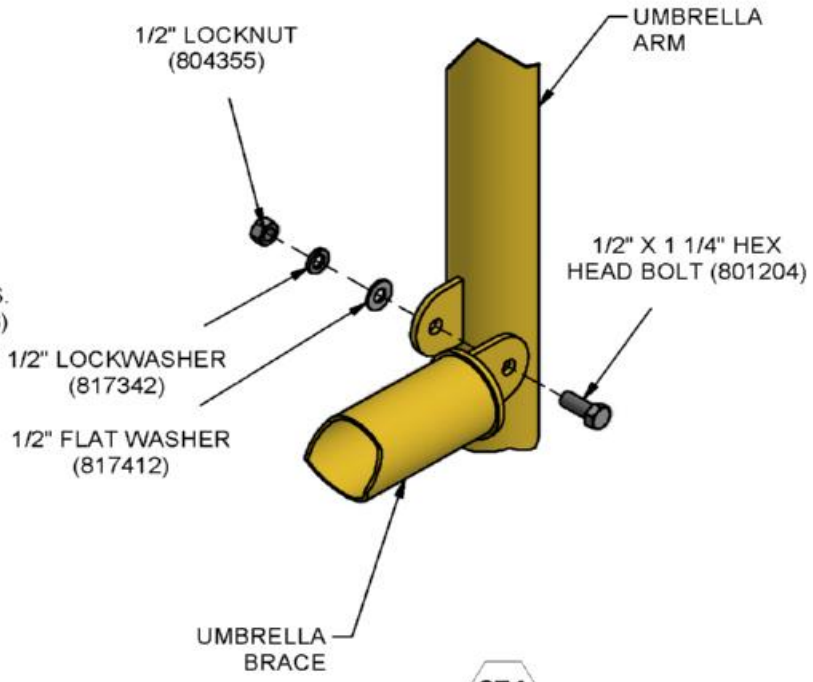



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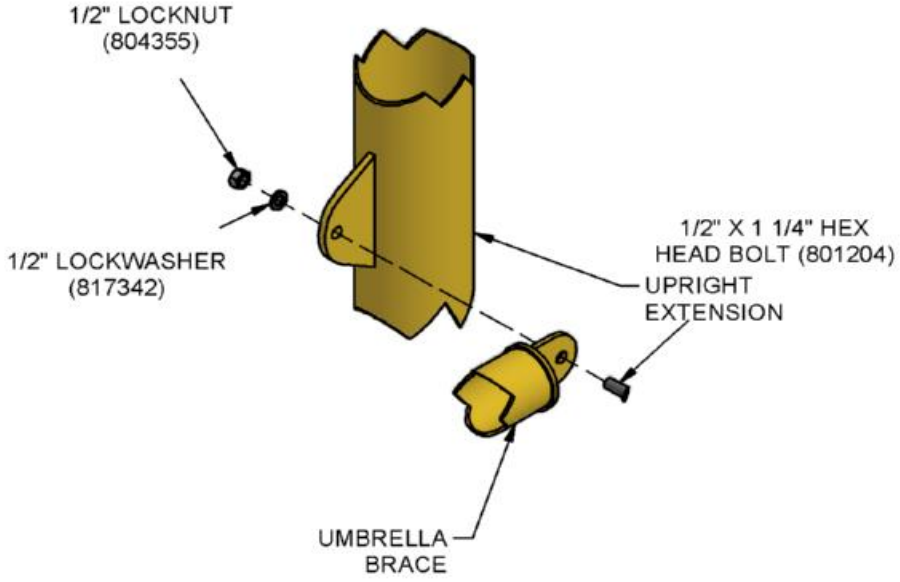
# 61383 Single Post Fabric Shade



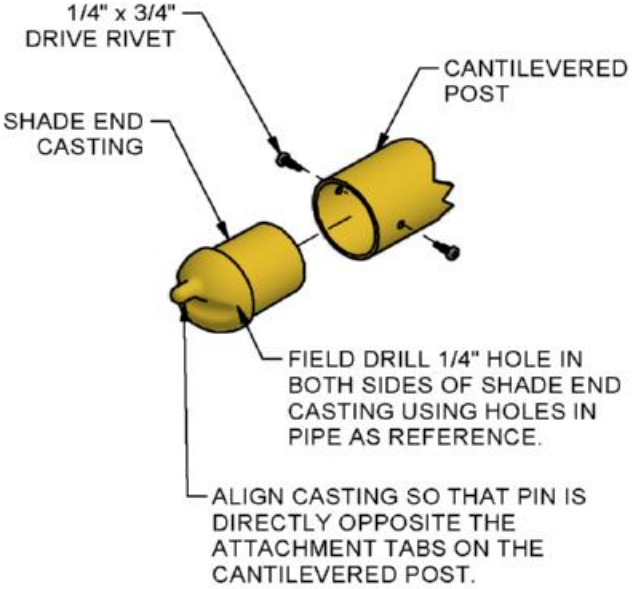

373




374




375

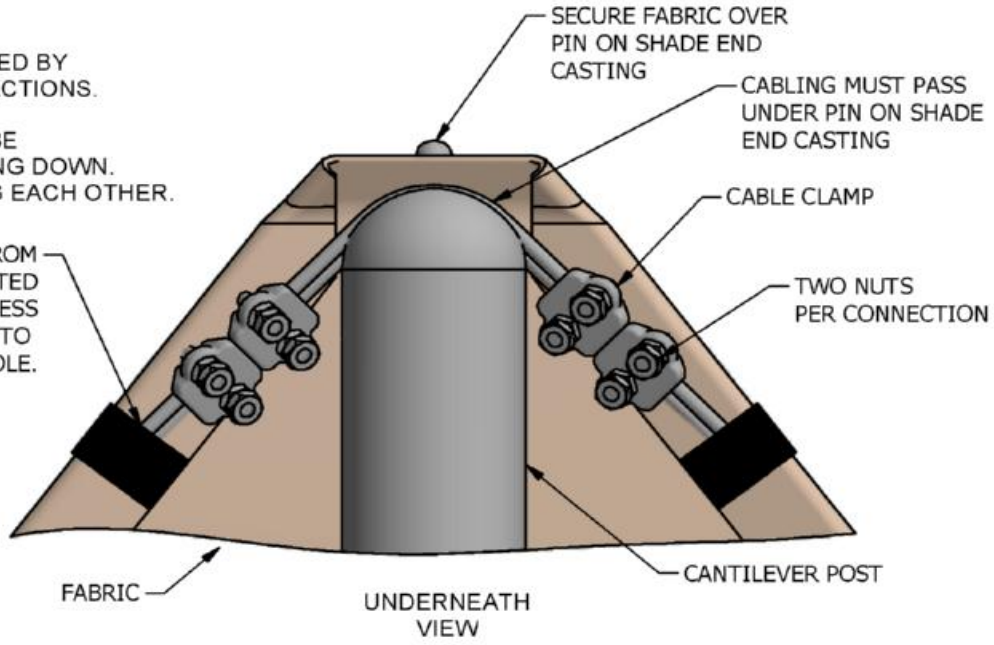



376

# 61383 Single Post Fabric Shade

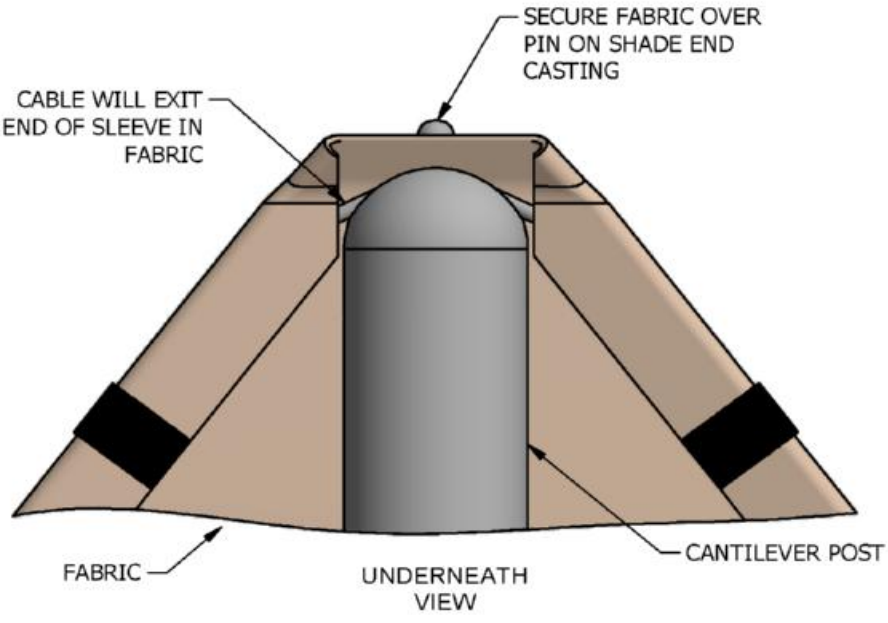
*NOTE:* ADD LOCTITE (SUPPLIED BY OTHERS) TO BOLTED CONNECTIONS.

*NOTE*: CABLE CLAMP MUST BE INSTALLED WITH NUTS FACING DOWN. CLAMPS MUST BE TOUCHING EACH OTHER.




UNDERNEATH VIEW

929




UNDERNEATH VIEW

930

Issued/Revised: 2/16/2018

# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"




**65280**
**65281**

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 65280 | 65281 | 65282 | PART NUMBER |
| BUTTON STEP | 1 | 1 | 1 | 315509 |
| FOOTBUCK 10" | 1 | 0 | 0 | 316196 |
| FOOTBUCK 20" | 0 | 1 | 0 | 316200 |
| FOOTBUCK 30" | 0 | 0 | 1 | 316203 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 316198 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812050 |
| 3/8" LOCK WASHER | 4 | 4 | 4 | 817334 |
| 3/8" FLAT WASHER | 4 | 4 | 4 | 817410 |




**65282**

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

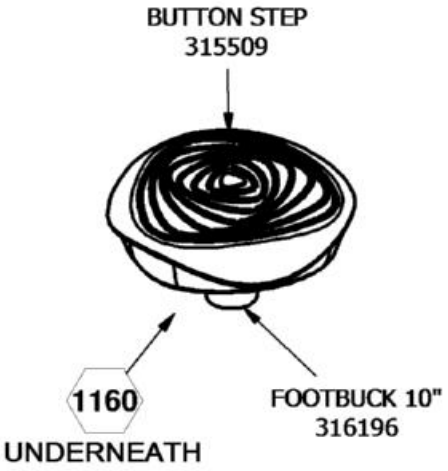
## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Button Step. Refer to order top view.
2. Dig required holes, refer to elevation view and order plan view for correct location and size.
3. Attach Button Step to correct Footbuck. Refer to order parts list. See Detail 1160.
4. Place Footbuck and Button Step assembly into hole.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure for at least 48 hours before use. Temporary may be required until concrete cures.

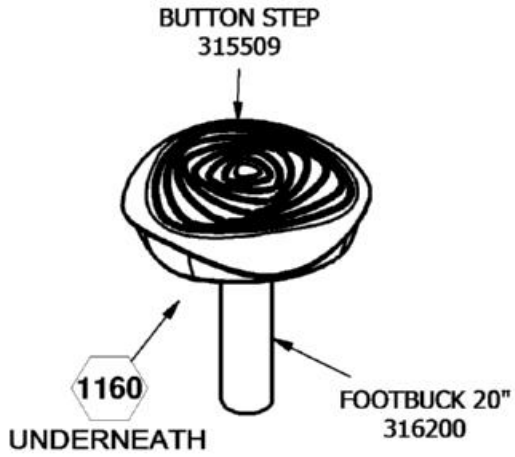
## MAINTENANCE PROCEDURE:

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

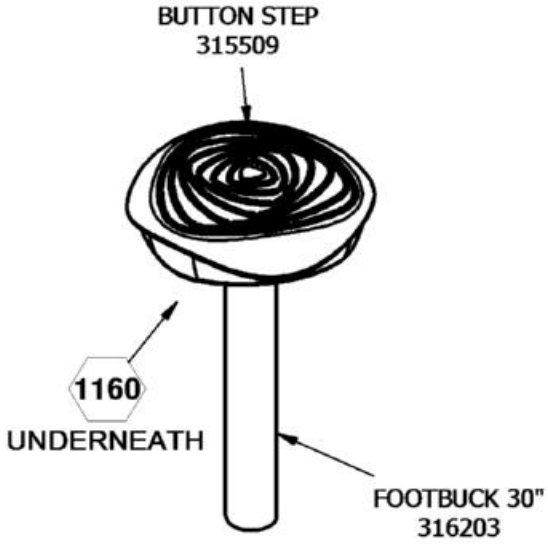
# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"




65280 SHOWN

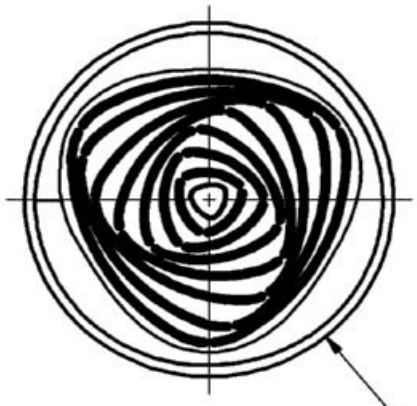



65281 SHOWN



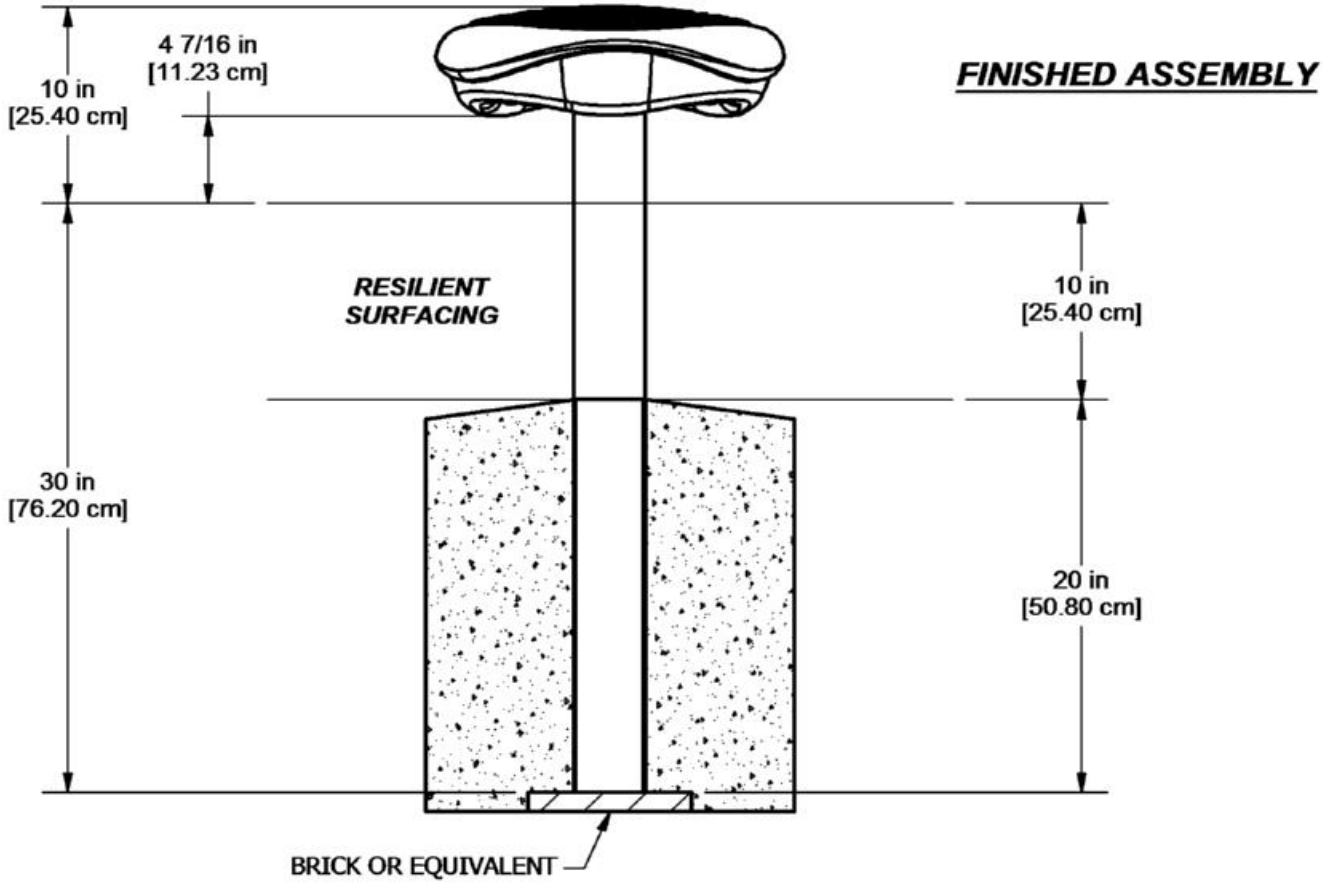

65282 SHOWN

# 65280 BUTTON STEP 10"



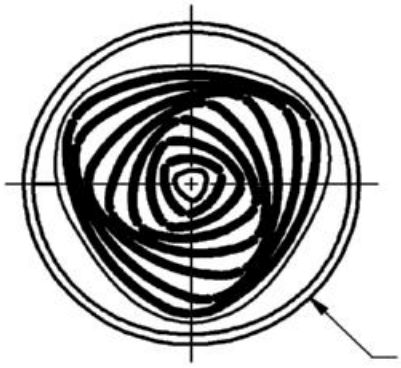

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



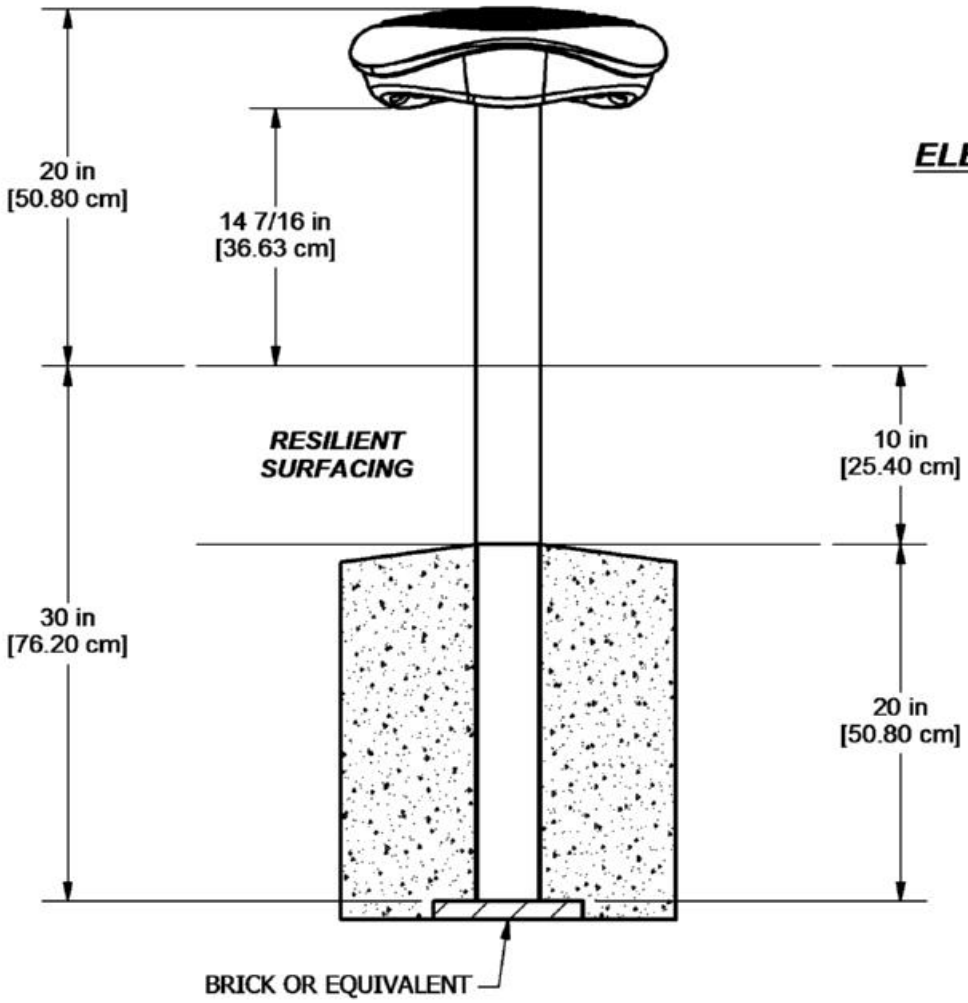

***FINISHED ASSEMBLY***

# 65281 BUTTON STEP 20"



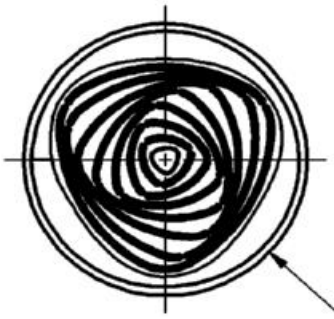

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



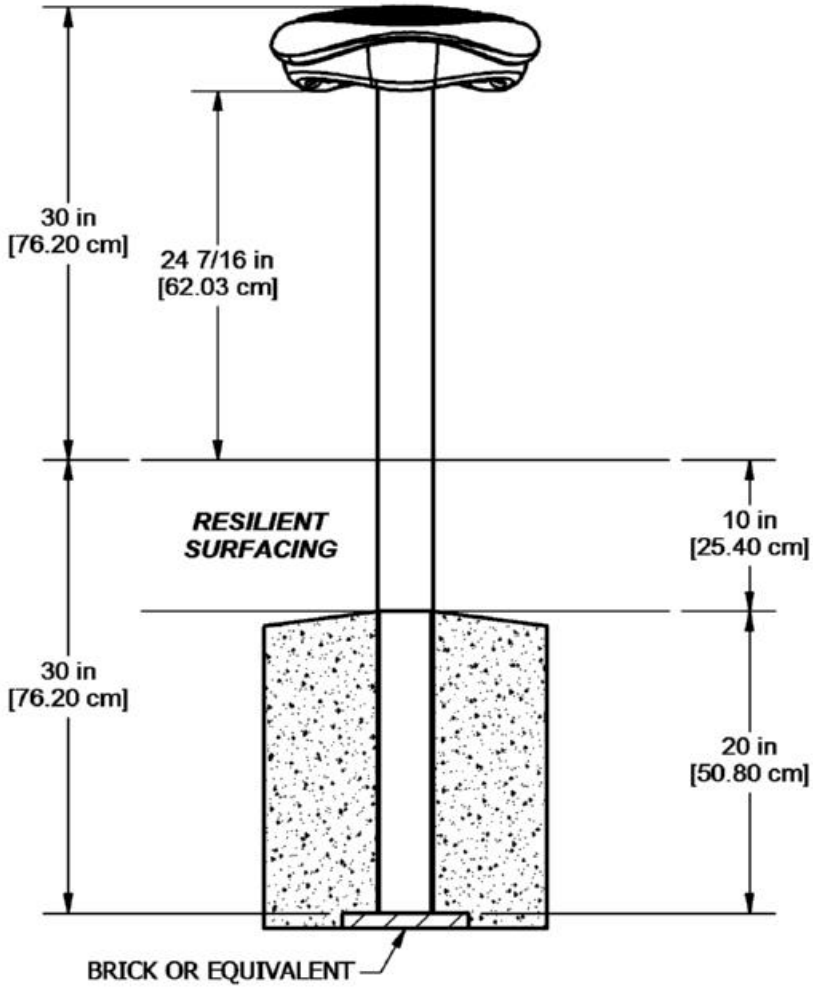

***ELEVATION VIEW***

# 65282 BUTTON STEP 30"



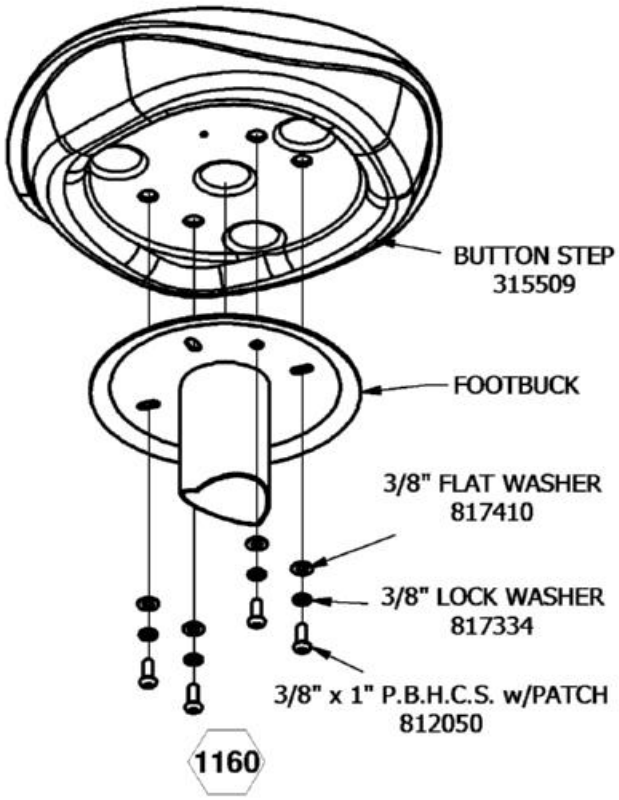

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]




***ELEVATION VIEW***

# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"



This equipment is designed for children 2-5 or 5-12 years old

# 65283 FLYING SAUCER

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 65283 | SS5283 | PART NUMBER |
| TOPRAIL ASSEMBLY | 1 | 1 | 205385 |
| LEG | 4 | 4 | 205387 |
| MOUNTING PLATE WELD ASSEMBLY | 2 | 2 | 218837 |
| SAUCER SWING ASSEMBLY | 1 | 1 | 221570 |
| GALVANIZED CHAIN CONNECTION ASSEMBLY | 2 | 0 | 221702 |
| STAINLESS CHAIN CONNECTION ASSEMBLY | 0 | 2 | 221726 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 221577 |
| 3/8" x 3 1/4" B.H.C.S. | 8 | 8 | 811060 |
| 3/8" LOCK WASHER | 8 | 8 | 817334 |
| 3/8" FLAT WASHER (1" O.D.) | 8 | 8 | 817401 |
| 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" LOCKWASHER | 6 | 6 | 817342 |
| 1/2" FLAT WASHER | 6 | 6 | 817412 |
| 1/2" LOCKNUT | 6 | 6 | 804355 |
| 22" ANCHOR ROD | 4 | 4 | 156063 |
| ARCH SWING CONNECTOR | 2 | 2 | 218835 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

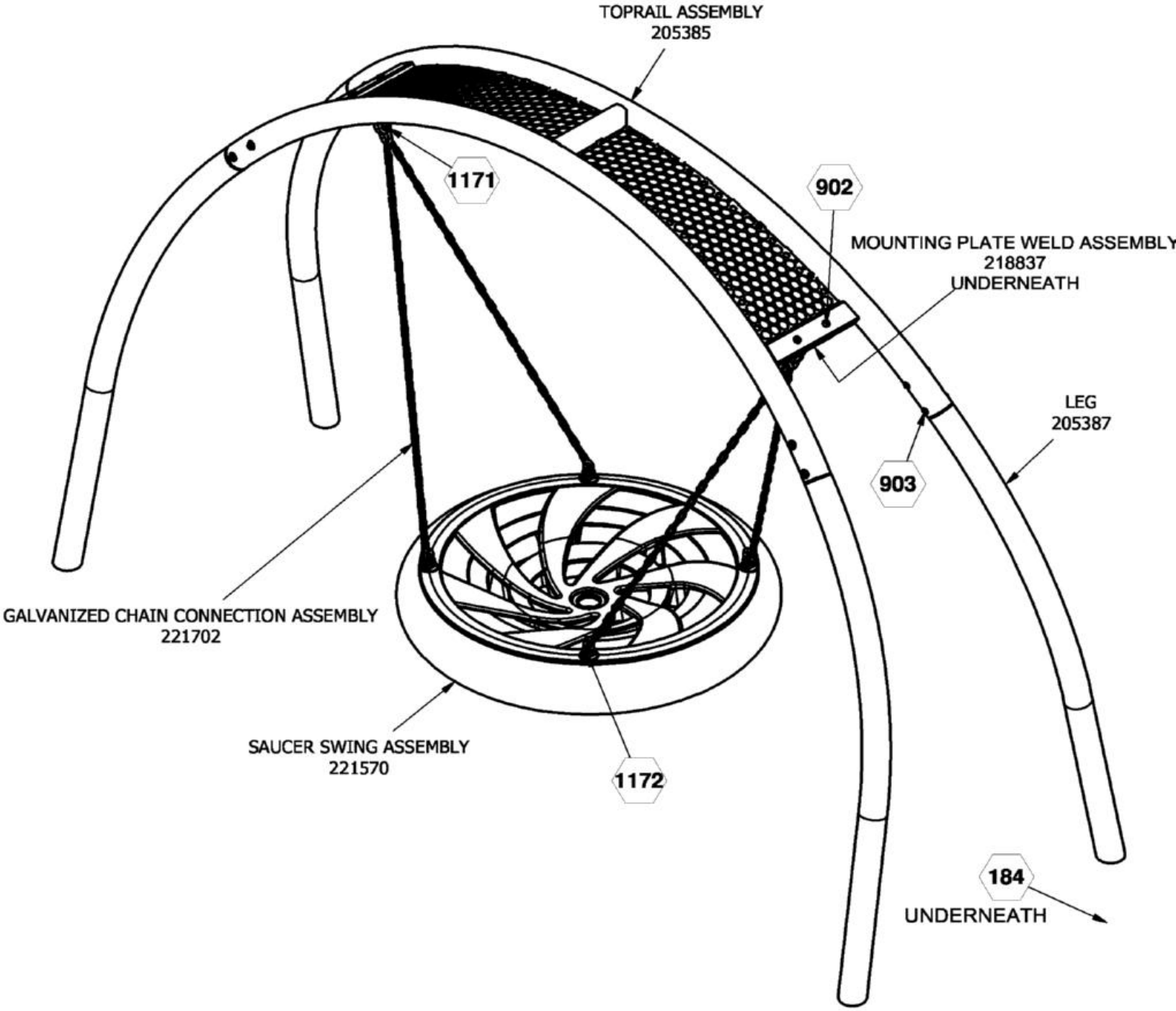
## INSTALLATION INSTRUCTIONS:

1. Dig footing holes as shown in Plan and Elevation Views.
2. Attach the Legs to Toprail Assembly. See Detail 903.
3. Place the Leg and Toprail assembly in footing holes. See Detail 184.
4. Attach Arch Swing Connector, Flying Saucer Cable, and Flying Saucer. See Details 902, 1171, and 1172. ***NOTE:*** Add Loctite (supplied by others) and tighten shackle to 54 ft-lbs. ***NOTE:*** Clevis Pin on Shackle to be on seat side.
5. Plumb and level the entire assembly and tighten all fasteners.
6. 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. ***NOTE:*** Temporary bracing may be required until concrete cures.
7. When the structure is finished and satisfactory, eliminate sharp points and sharp 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.

# 65283 FLYING SAUCER

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

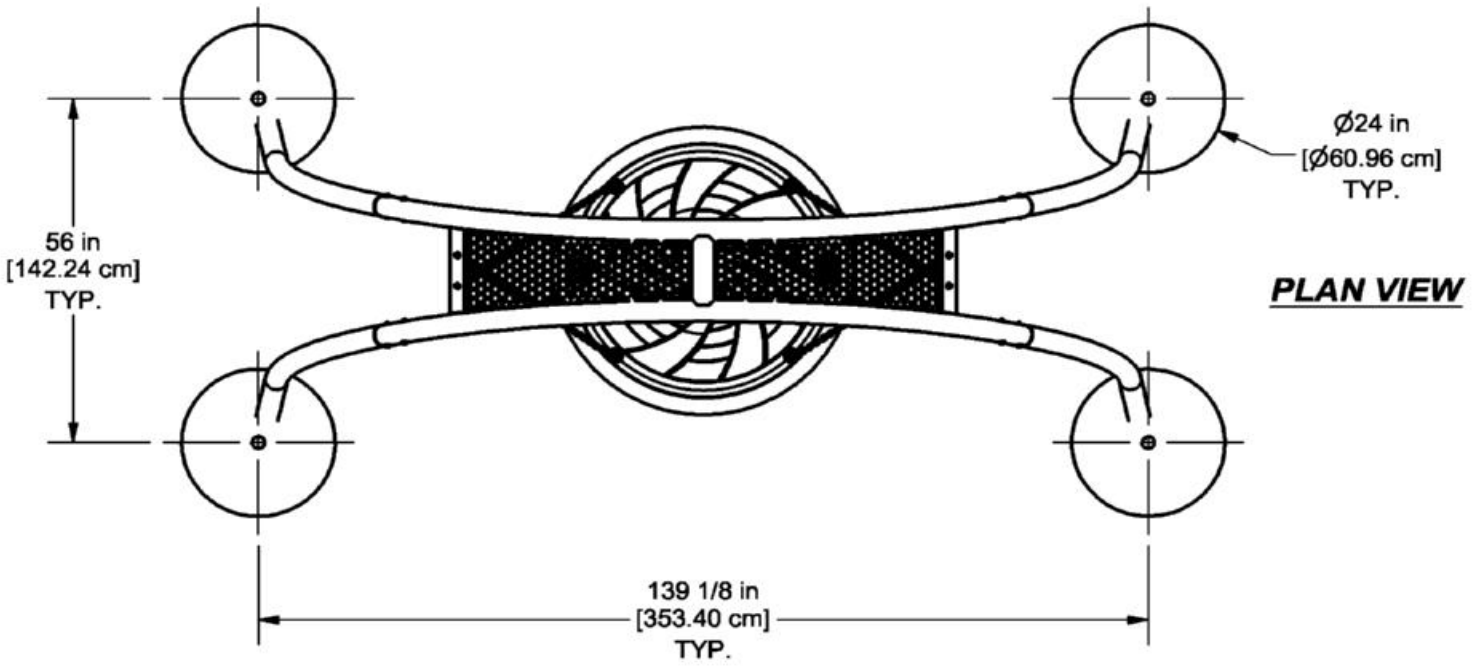



= INSTALLATION DETAIL

Issued/Revised: 9/29/2022

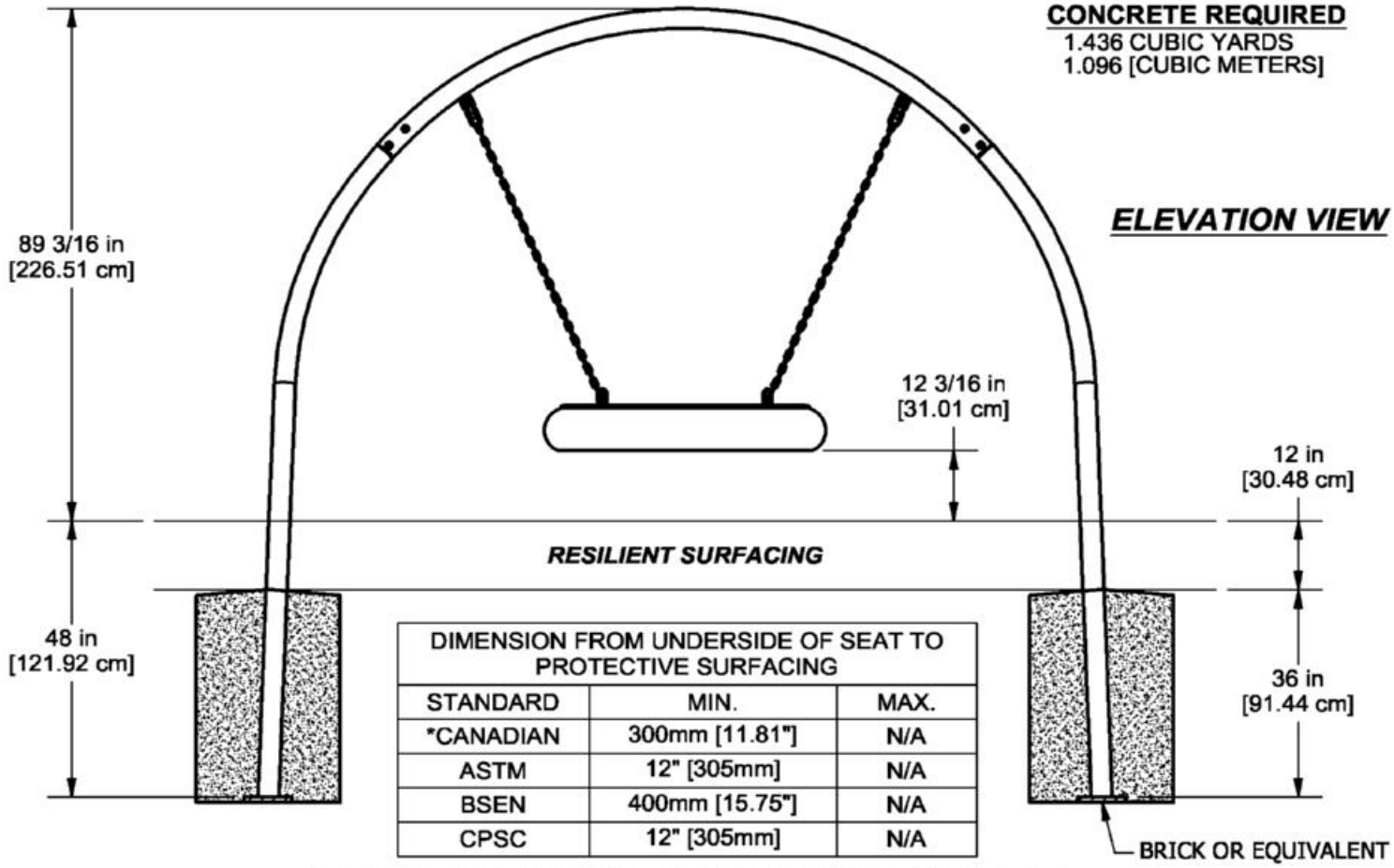
**FINISHED ASSEMBLY**

# 65283 FLYING SAUCER




**PLAN VIEW**

**CONCRETE REQUIRED**
1.436 CUBIC YARDS
1.096 [CUBIC METERS]



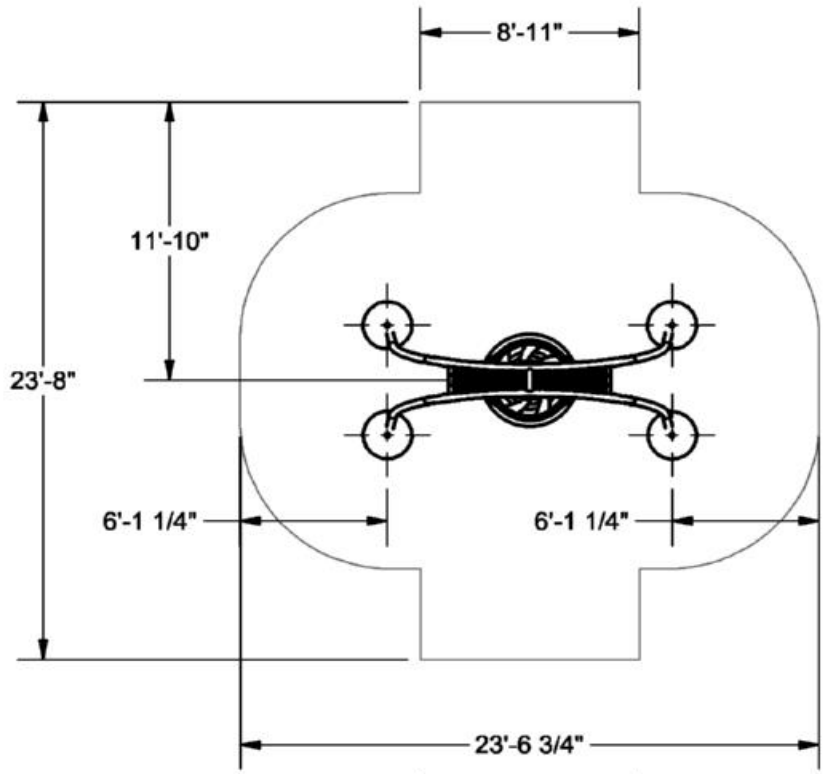

**ELEVATION VIEW**

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

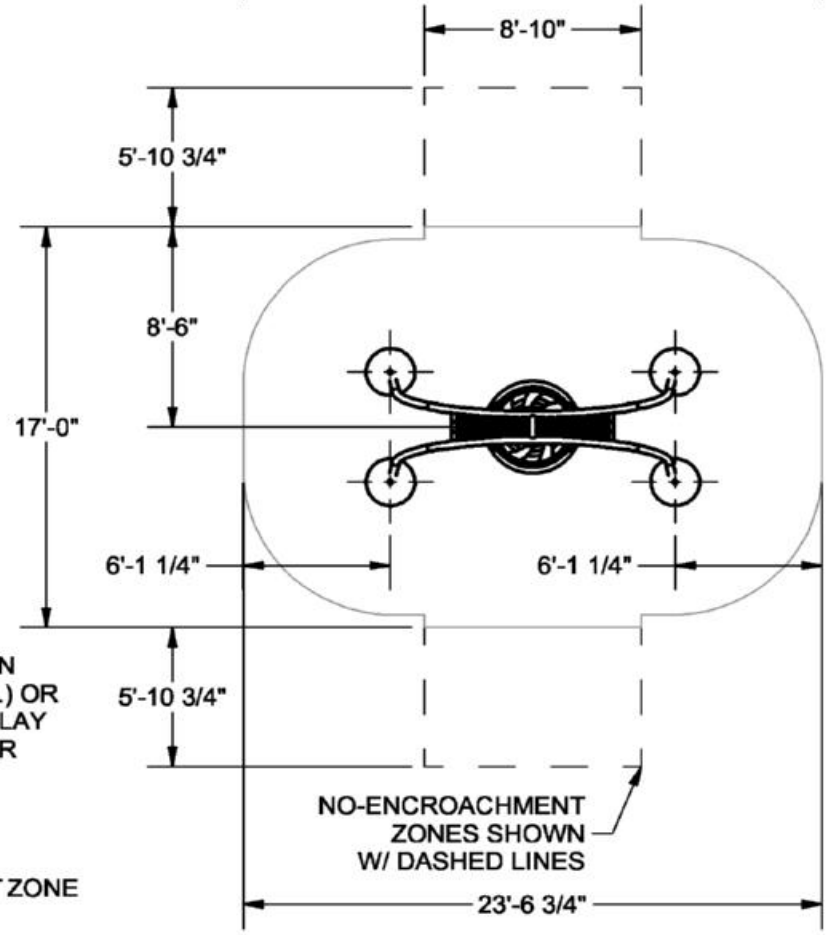
*UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

# 65283 FLYING SAUCER

***ASTM USE ZONE***

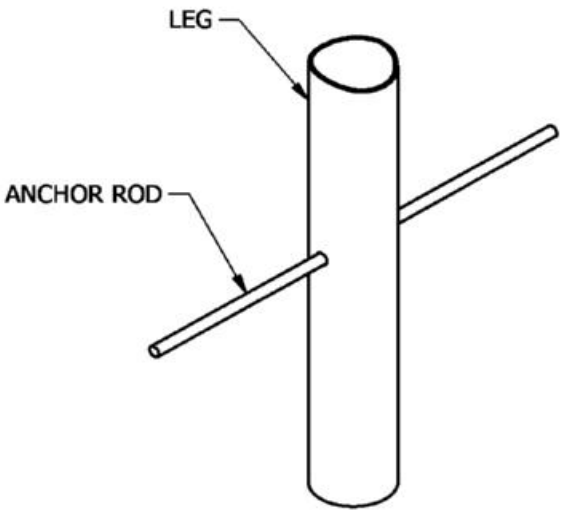



***CSA USE ZONE***

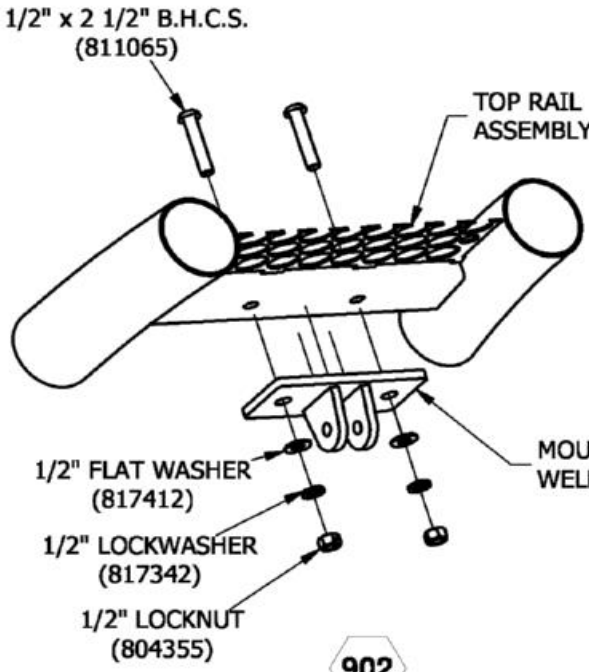



NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITH THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1487 (U.S.) OR CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE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

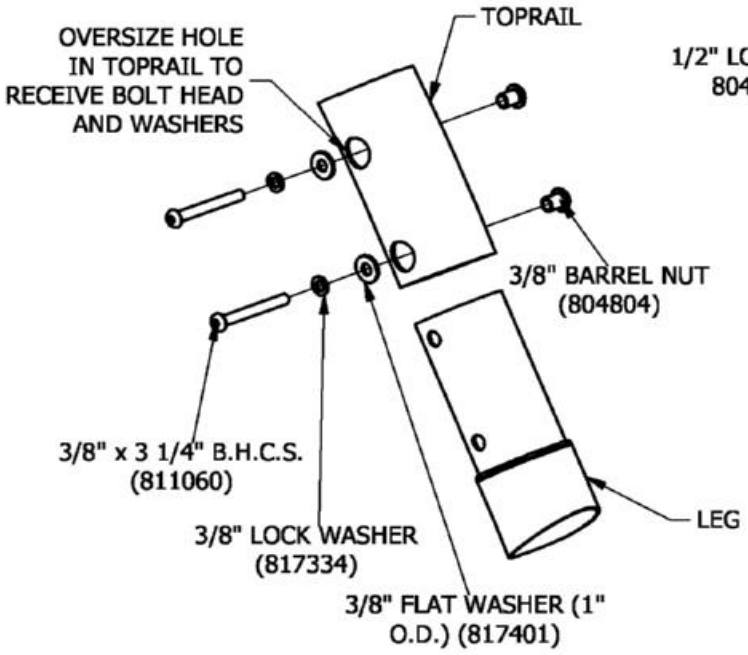
# 65283 FLYING SAUCER



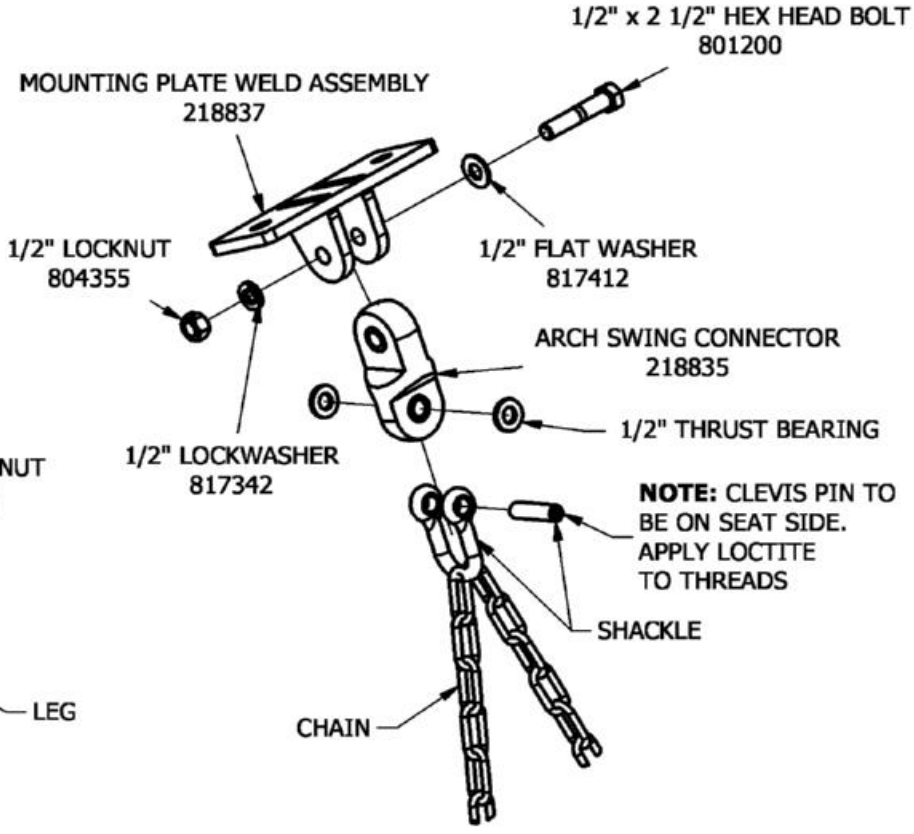

184




902

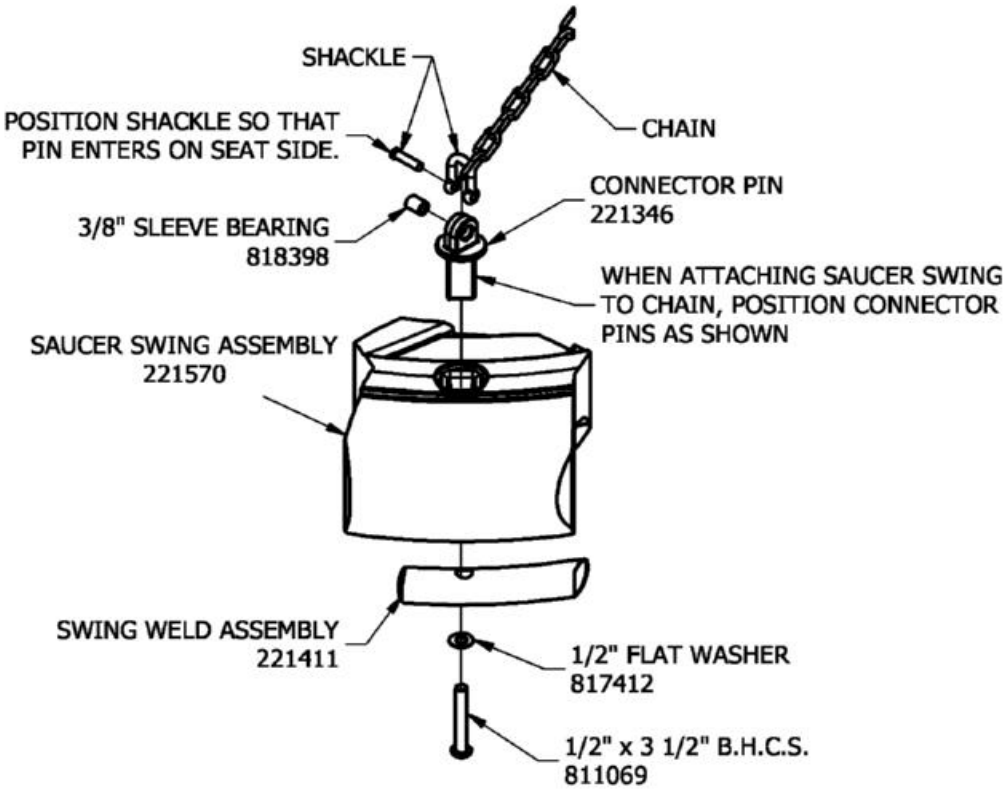



903



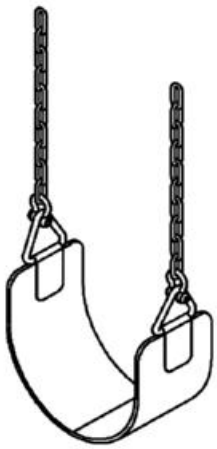

1171

# 65283 FLYING SAUCER



# MODEL NO. 67549 SEAT

***BELT SEAT: 67549***
***FULLY ENCLOSED SEAT: 67553***
***67590, 67591, 67592,***
***67609, 67610, 67611***
***SS7590, SS7591, SS7592***
***67596, 67597, 67598,***
***67599,67600, 67615, 67616,***
***67617, 67618, 67619,***
***SS7596, SS7597, SS7598,***
***SS7599, SS7600***
***SEAT PACKAGES***



***67549***



***67553***

**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.

**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 'S' Hooks at both ends and all connection points for wear. Check all moving part such as hangers for wear. Check 'S' Hooks as specified by ASTM F 1487 SECTION 6.3 for Entanglement. 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.

# MODEL NO. 67549 SEAT

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

- ☐ Replace all worn "S" Hooks. "S" Hooks must be completely closed. Failure to close "S" Hooks properly can result in serius injury to the user. Never reuse "S" Hooks.
- ☐ 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.
- ☐ *CUSTOMERS ARE PROVIDED WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATIONINSTRUCTIONS. 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 equipment requires regular tightening of all bolts, nuts, and set screws.

# MODEL NO. 67549 SEAT

## PARTS LIST -for- SEATS

| DESCRIPTION | NO. REQD | | PART NO. |
|---|---|---|---|
| | 67549 | 67553 | |
| Belt Seat | 1 | 0 | 153738 |
| Enclosed Tot Seat | 0 | 1 | 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 | NUMBER REQUIRED | | | | | | PART NUMBER |
|---|---|---|---|---|---|---|---|
| | 67596 | 67597 | 67598 | 67599 | 67600 | 67617 | |
| Belt Seat | 1 | 1 | 1 | 1 | 1 | 1 | 67549 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1487* |
| Chain | 0 | 0 | 2 | 0 | 0 | 0 | 103052* |
| Coated Chain | 0 | 0 | 0 | 0 | 0 | 2 | 153864* |
| Chain | 2 | 0 | 0 | 0 | 0 | 0 | 166892* |
| Chain | 0 | 2 | 0 | 0 | 0 | 0 | 166891* |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 153867* |
| | | | 67615 | 67616 | 67618 | 67619 | |
| Belt Seat | | | 1 | 1 | 1 | 1 | 67549 |
| Swing Hanger (2-3/8" O.D) | | | 2 | 0 | 2 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | | | 0 | 2 | 0 | 2 | 1462* |
| Coated Chain | | | 2 | 2 | 0 | 0 | 153869* |
| Coated Chain | | | 0 | 0 | 2 | 2 | 153868* |
| | 67590 | 67591 | 67592 | 67609 | 67610 | 67611 | |
| Enclosed Tot Seat | 1 | 1 | 1 | 1 | 1 | 1 | 67553 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1487* |
| Chain | 2 | 2 | 2 | 0 | 0 | 0 | 131904* |
| Coated Chain | 0 | 0 | 0 | 2 | 2 | 2 | 141140* |

## PARTS LIST -for- SEAT PACKAGES

| DESCRIPTION | NUMBER REQUIRED | | | | | | | | PART NUMBER |
|---|---|---|---|---|---|---|---|---|---|
| | SS7596 | SS7597 | SS7598 | SS7599 | SS7600 | SS7590 | SS7591 | SS7592 | |
| Belt Seat | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 67549 |
| Enclosed Tot Seat | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 67553 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1487* |
| Chain | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 177993* |
| Chain | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 177994* |
| Chain | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 177991* |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 177990* |

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

****Included in Hardware***

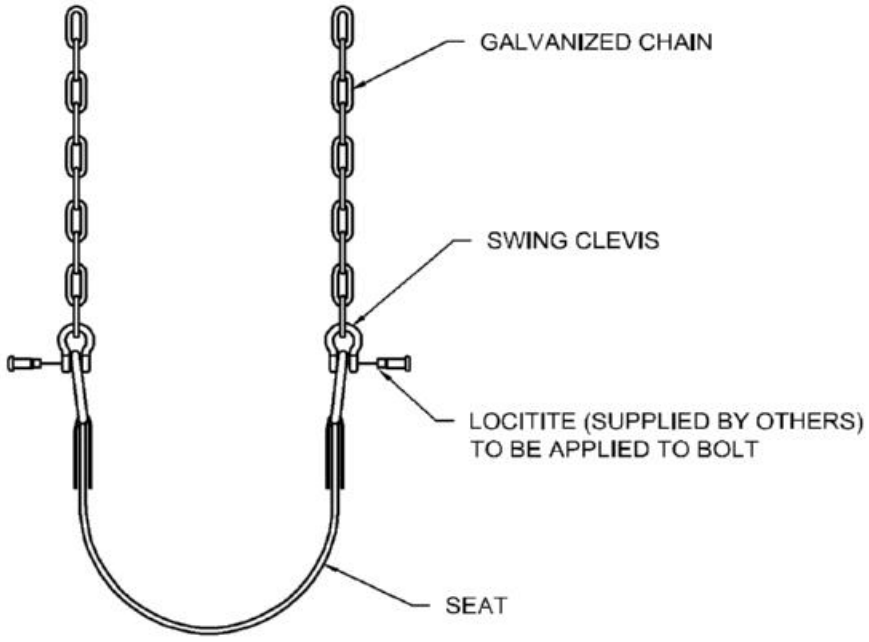
***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.***

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

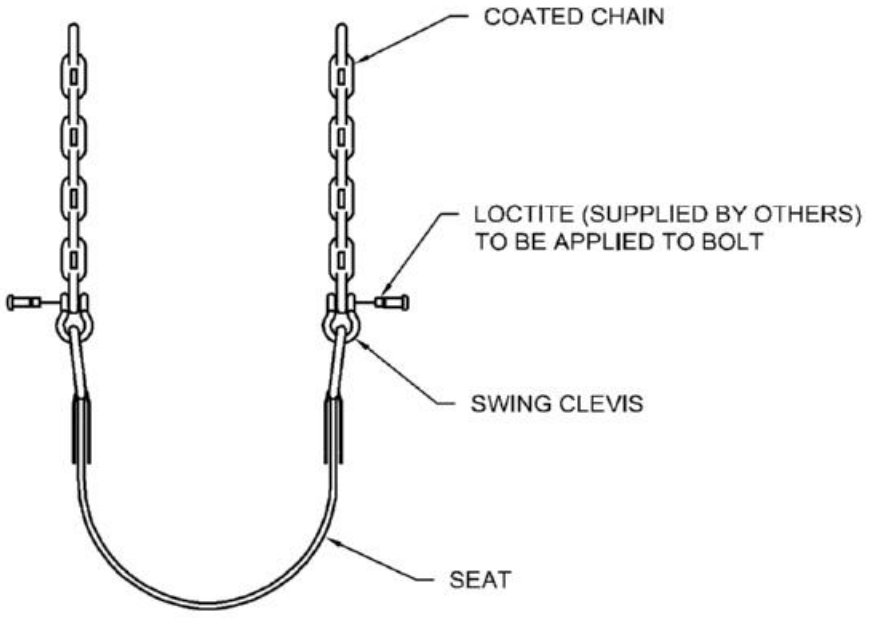
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

# MODEL NO. 67549 SEAT

## SEAT ASSEMBLY (WITH GALVANIZED CHAIN)

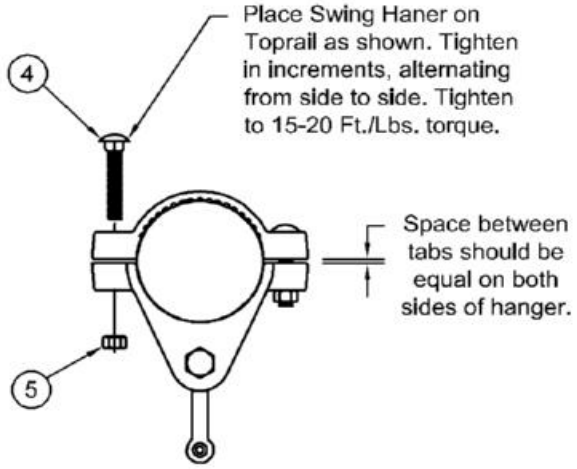


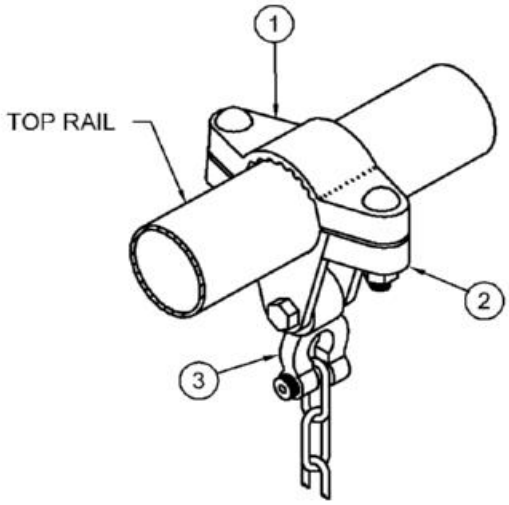

## SEAT ASSEMBLY (WITH COATED CHAIN)



# MODEL NO. 1461 SWING HANGER

| | |
|---|---|
| **GALVANIZED** | **1461** |
| **GALVANIZED** | **1462** |
| **PAINTED** | **1463** |
| **PAINTED** | **1485** |
| **PAINTED** | **1486** |
| **GALVANIZED** | **1487** |




## *SPECIFICATIONS*

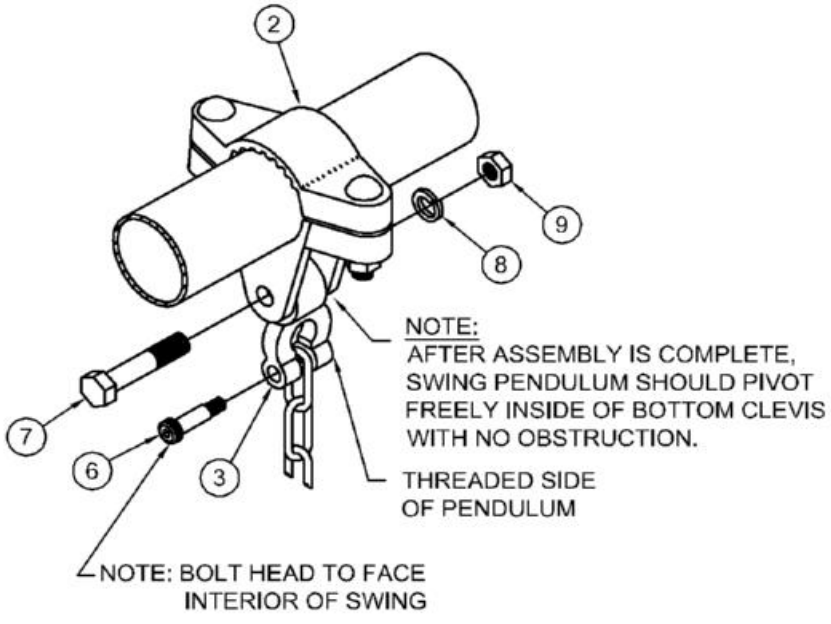
**MATERIAL:** All swing hanger castings shall be cast of malleable iron.

**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:** ***We*** have 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* |

# MODEL NO. 1461 SWING HANGER

## 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 | 0 | 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***
****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 any non-patch hardware.***

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY

| Parts List | | | | |
|---|---|---|---|---|
| ITEM | DESCRIPTION | 68034 | 68035 | 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 | 303587 |
| | 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* |

*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:** 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.

1. Dig holes according to the Ground Plan. See Detail 005. 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.

2. Insert toprail onto socket on the arch and secure. See Detail 020.

3. Set frame in holes, making sure that legs rest on foundation bricks. Check to ensure swing is level.

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.

5. Place swing hangers on toprail using Assembly Drawing for spacing. Hang seats per Installation Sheet for swing seats.

6. After assembly is complete, place manufacturer's I.D. label in a visible location.

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY

## 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 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.

☐ PLAY & PARK STRUCTURES® 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 PLAY & PARK STRUCTURES® 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.

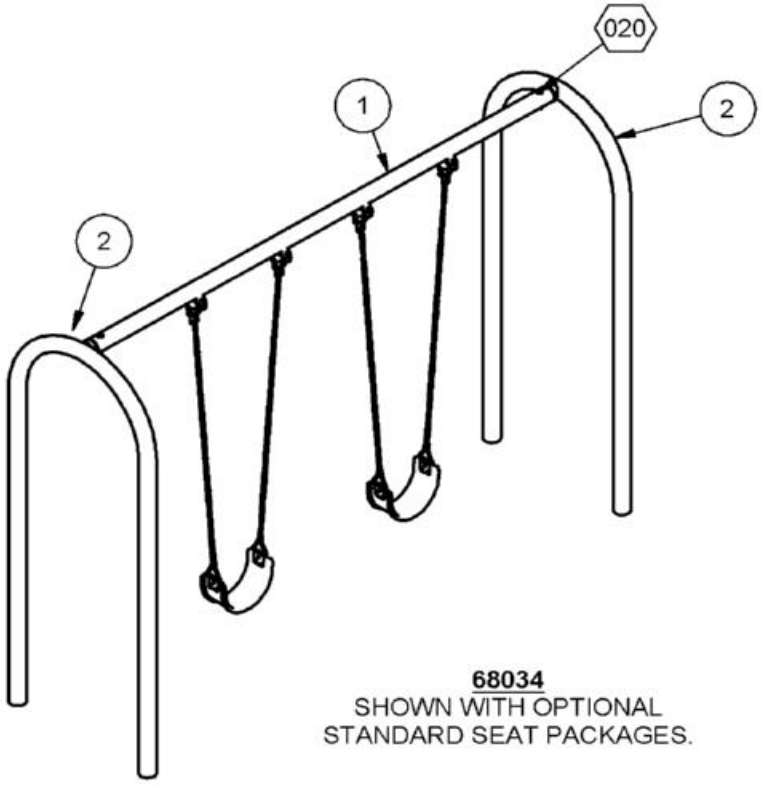
☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use PLAY & PARK STRUCTURES 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.

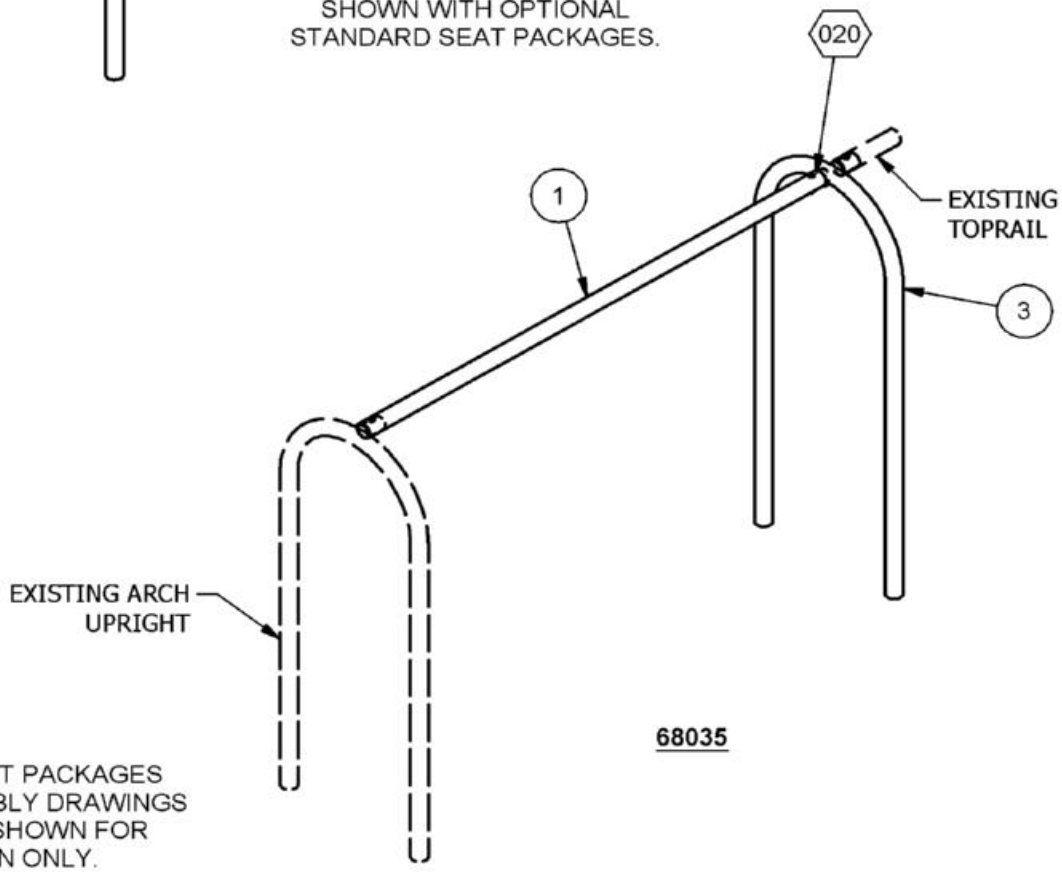
☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY




**ASSEMBLY DRAWINGS**

**68034**
SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

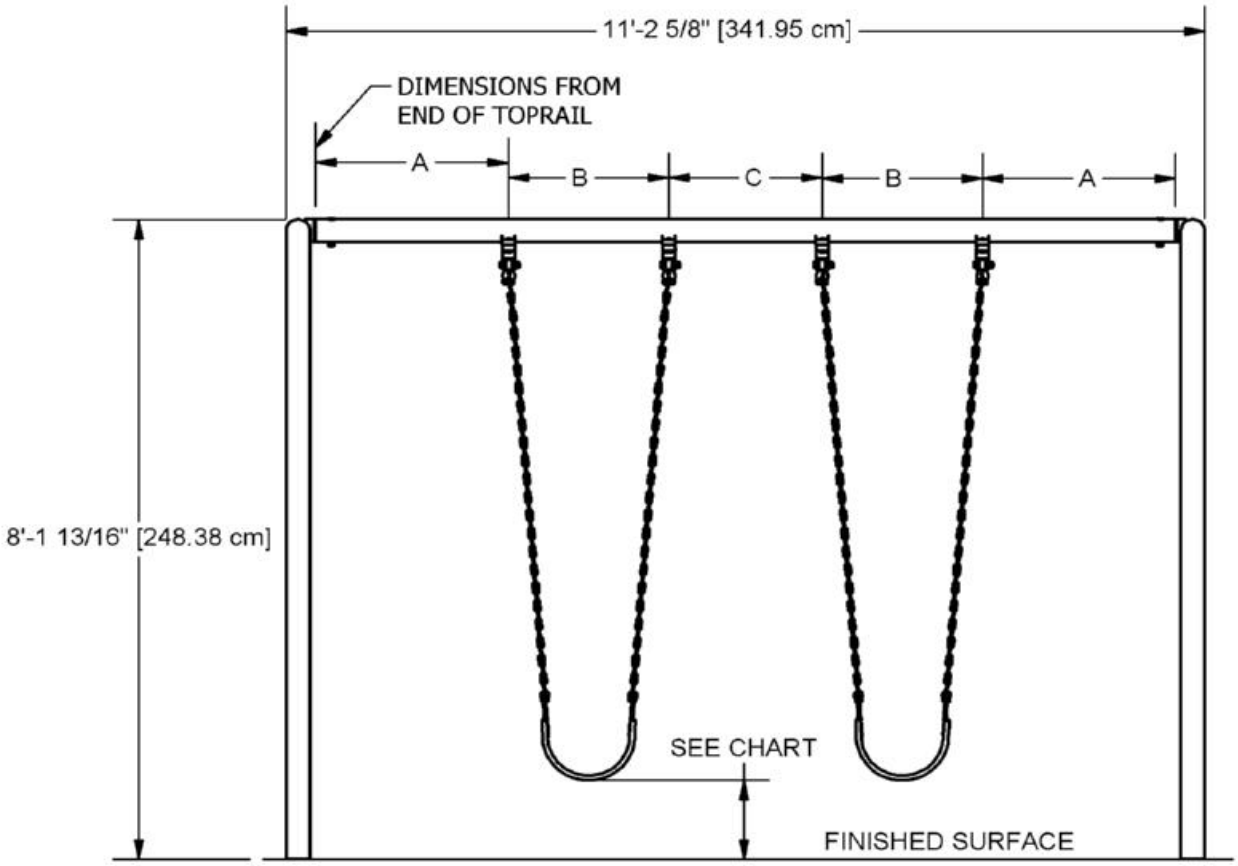



**68035**

NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWINGS NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY

| 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] |

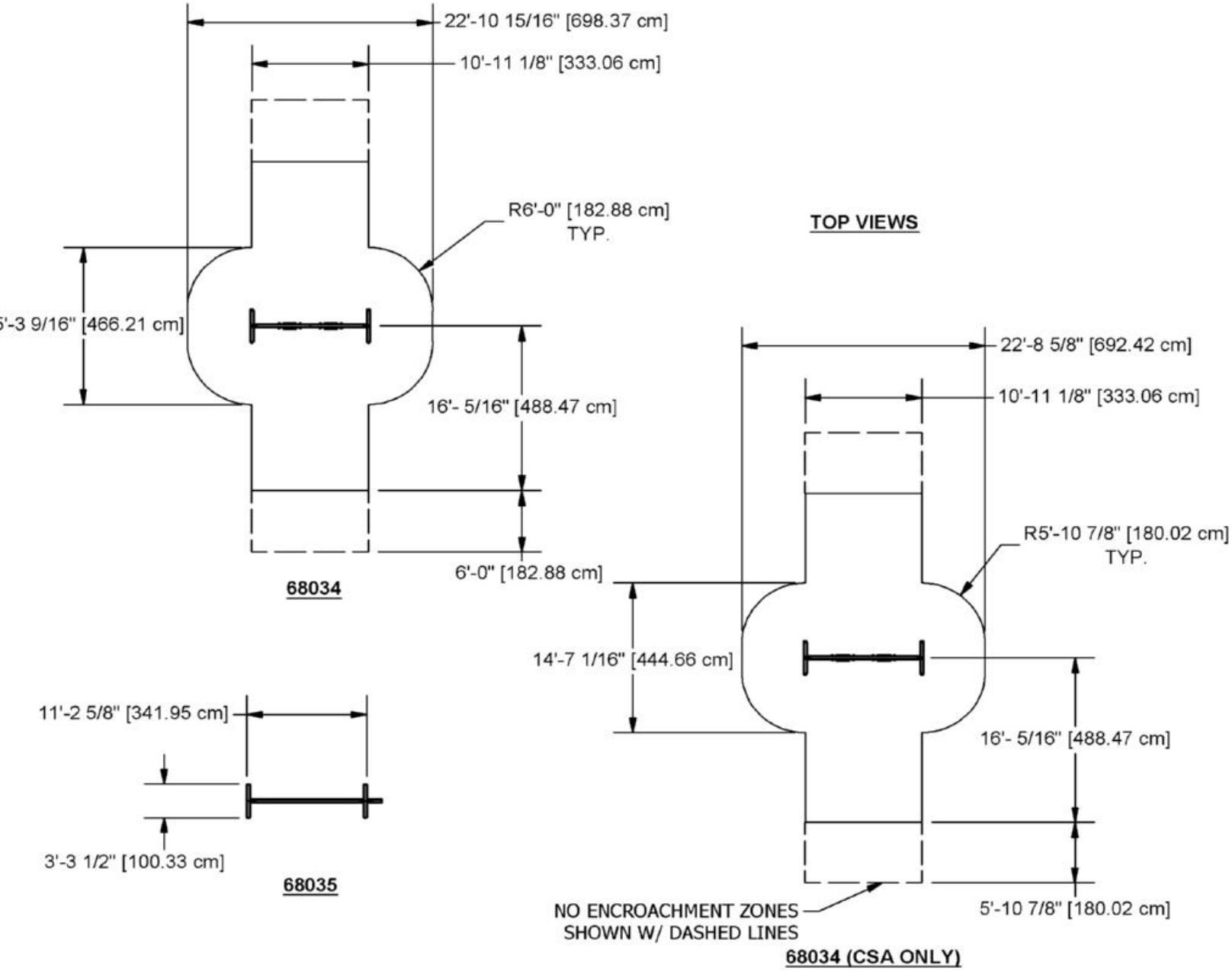



68034 SHOWN (68035 SIMILAR)
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| CANADIAN | STRAP - 300mm [11.81"]<br>ENCLOSED TOT SEAT - 600mm [23.62"] | N/A |
| ASTM | STRAP - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | STRAP - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |

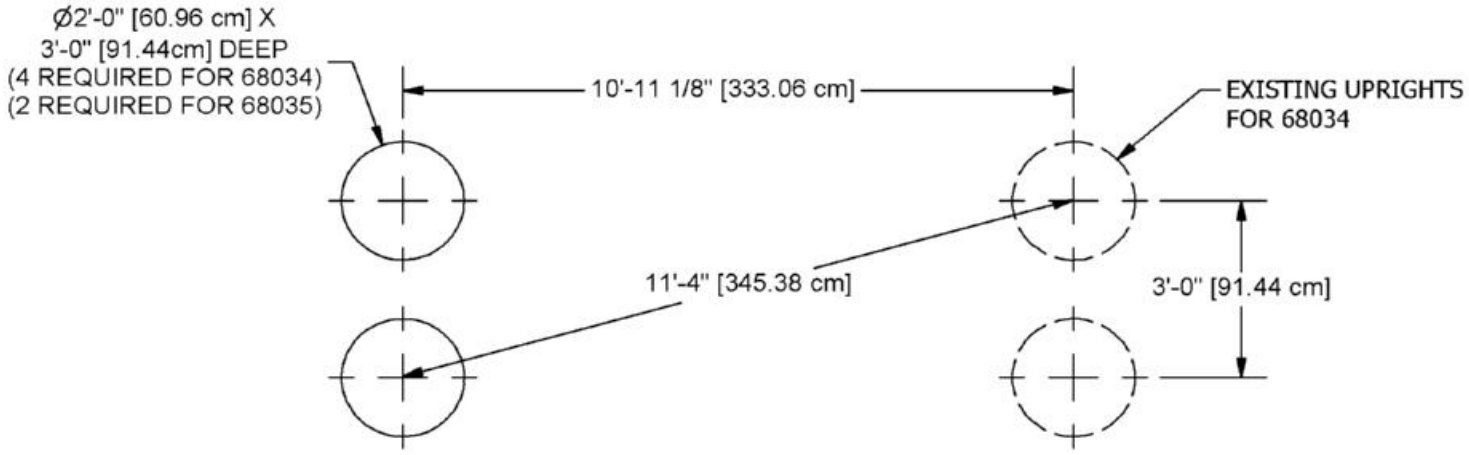
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY




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].

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY




**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:
.23 CUBIC YARDS
.18 CUBIC METERS
(PER HOLE)

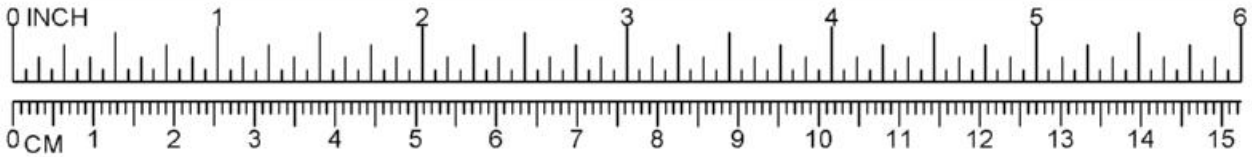
# DETAILS -for-
# 68034 & 68035

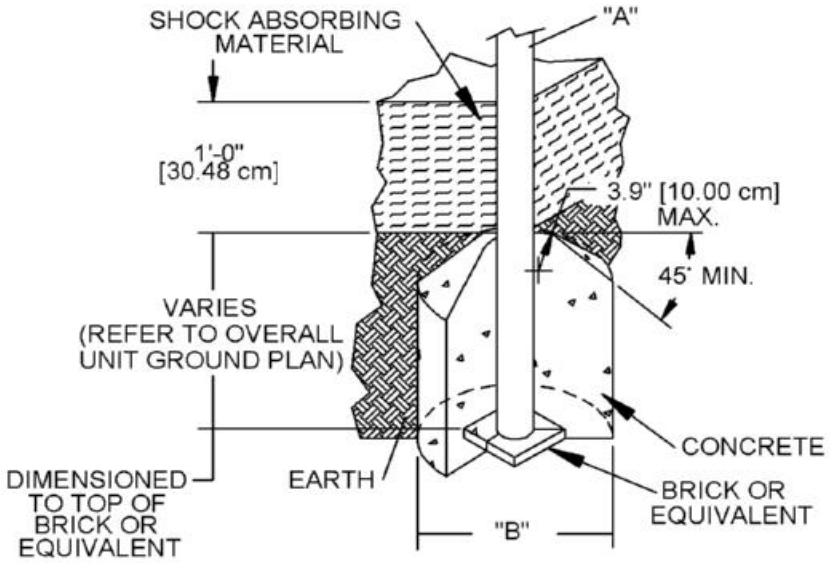
IMPORTANT

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.



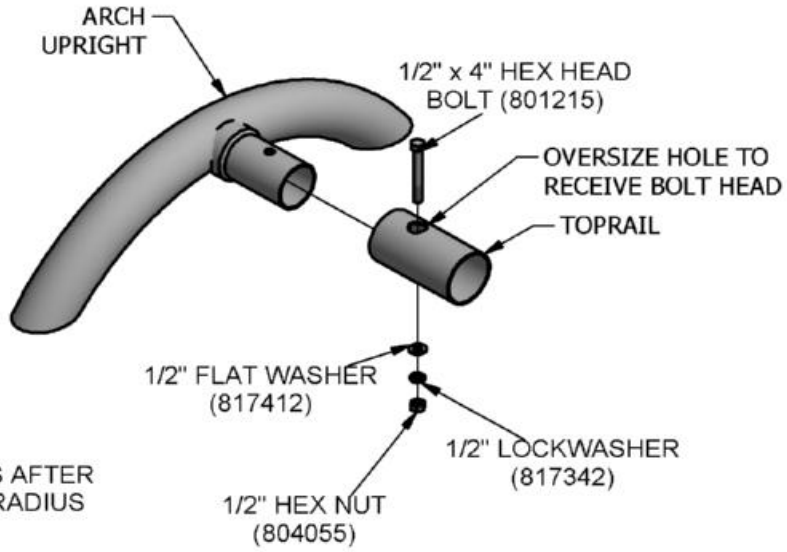




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm]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

# 68115 ACTIVITY METER

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| FREESTANDING METER PANEL | 1 | 313741 |
| SUPPORT PIPE | 1 | 313832 |
| ***HARDWARE COMPLETE*** | 1 | 313833 |
| 3/8" x 3" P.B.H.C.S. w/PATCH | 1 | 812059* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 1 | 817424* |
| 3/8" BARREL NUT | 1 | 804804* |
| 1/2" FLAT WASHER (1 3/8" O.D.) | 1 | 817425* |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## SPECIFICATIONS:

**Freestanding Meter Panel:**
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; Denisty (ASTM D-155); Brittleness Temperature (ASTM D-745; Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). The frame shall be reinforced with all welded construction fabricated from 1.688" O.D. x .083" (14 gauge) wall galvanized steel tubing, 2.375" x .095" (13 gauge) wall galvanized steel tubing, and 1/4" stainless steel plate.

**Support Pipe:**
Shall be fabricated from 2.375" x .095" (13 gauge) wall galvanized steel tubing. The Support Pipe shall be coated 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 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).

**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.

## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing hole according to Plan View. See Plan View for dimensions and notes regarding surfacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

# 68115 ACTIVITY METER

2. Attach Support Pipe to Freestanding Meter Panel using 3/8" x 3" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), 1/2" Flat Washer (1 3/8" O.D.), and 3/8" Barrel Nut. See Detail 839.

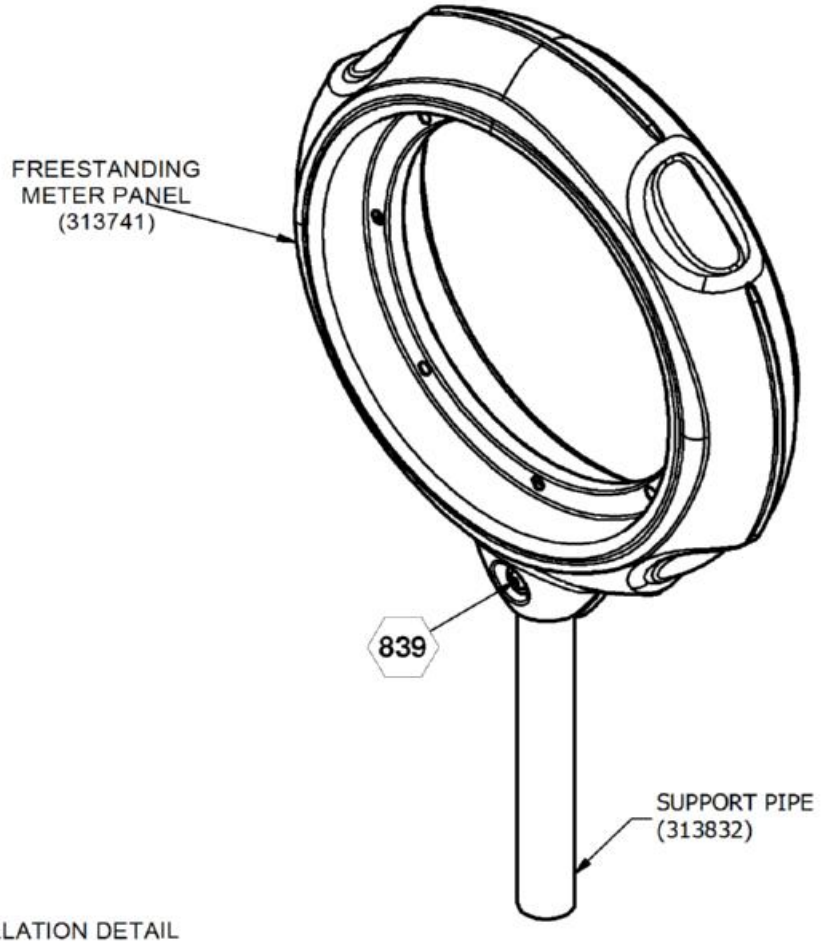
3. Plumb and level the entire assembly and tighten all fasteners.

4. 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.

5. When the 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.

## ***MAINTENANCE PROCEDURE:***

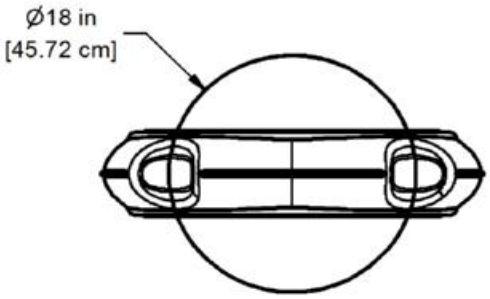
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.




⬡ = INSTALLATION DETAIL

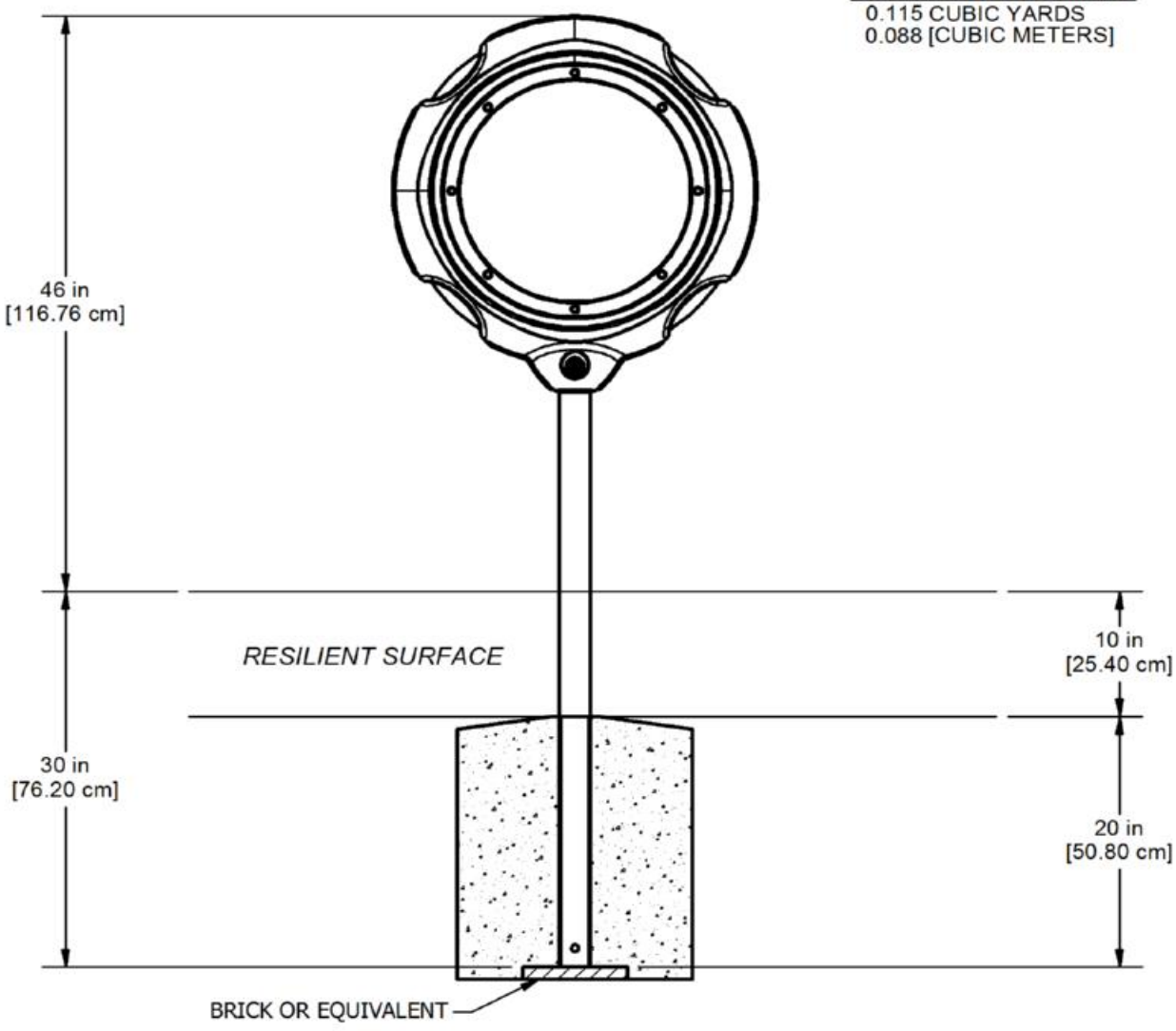
***FINISHED ASSEMBLY***

# 68115 ACTIVITY METER



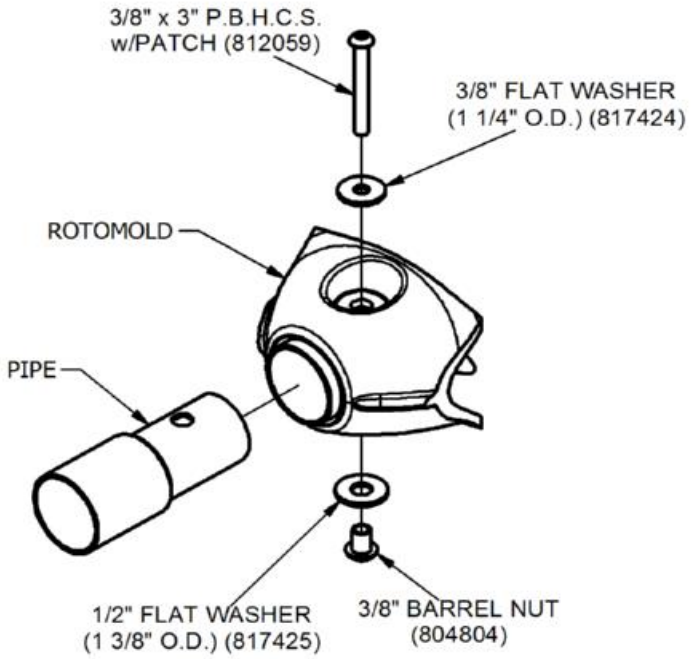

***PLAN VIEW***

**CONCRETE REQUIRED**
0.115 CUBIC YARDS
0.088 [CUBIC METERS]




***ELEVATION VIEW***

# 68115 ACTIVITY METER




839

# 68128 SONATA

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SONATA INSTRUMENT PACKAGE | 1 | 313936 |
| SONATA FRONT HDPE PANEL | 1 | 313937 |
| SONATA BACK PANEL | 1 | 313938 |
| SONATA SPACER | 4 | 313940 |
| SMALL BRACKET PLATE | 1 | 313943 |
| LONG BRACKET PLATE | 1 | 313946 |
| SONATA SUPPORT ASSEMBLY | 1 | 313948 |
| 3 1/2" DOME CAP | 2 | 212995 |
| ***HARDWARE COMPLETE*** | 1 | 313971 |
| #10 x 1 1/4" SHEET METAL SCREW | 15 | 810069 |
| #10 x 1 1/2" SHEET METAL SCREW | 24 | 810064 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 12 | 812052 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 8 | 812053 |
| 3/8" FLAT WASHER | 20 | 817410 |
| 3/8" BARREL NUT | 12 | 804804 |
| 3/16" x 13/32" DRIVE RIVET | 4 | 805366 |
| #10 x 1" SCREW | 4 | 815506 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## SPECIFICATIONS:

**Sonata Instrument Package:**
Shall be constructed of anodized aluminum chimes, plastic slats, and 3/8" thick pvc sheet. Mallets shall be an all plastic construction with stainless steel hardware.

**Sonata Front HDPE Panel and Sonata Back Panel:**
Shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-desnity polyethylene with colors molded in. The material will have a density of 60 lbs/ft$^3$ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners rounded for safe play.

**Sonata Spacer:**
Shall be fabricated from 1.315" O.D. x .083" (14 gauge) wall galvanized steel tubing and .375" zinc plated .5 mil coating with chromate finish threaded pipe insert. The Sonata Spacer shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein

**Small Bracket Plate:**
Shall be fabricated from 11 ga. 18" x 1/8" thick stainless steel. The Small Bracket Plate shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**Long Bracket Plate:**
Shall be fabricated from 11 ga. 40"" x 1/8" thick stainless steel. The Long Bracket Plate shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

# 68128 SONATA

**Sonata Support Assembly:**
Shall be an all welded construction fabricated from 2.375" x .095" (13 gauge) wall galvanized steel tubing, 3 1/2" O.D. x .095" (13 gauge) galvanized steel tubing, 1/4" thick laser cut plate, and 13 ga. 2.375" o.d. galv. tubing. The Sonata Support Assembly 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 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).

**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 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.

## ***INSTALLATION INSTRUCTIONS:***

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding surfacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

2. Attach Sonata Instrument Insert to Sonata Back Panel using #10 x 1 1/4" Wood Screw. See Detail 851.

3. Attach Sonata Back Panel to Sonata Support Assemby using #10 x 1 1/2" Sheet Metal Screw. See Detail 852. Attach Caps to Support Assembly using 3/16" x 13/32" Drive Rivets as shown in Detail 597.

4. Attach Small Bracket Plate and Long Bracket Plate to Sonata Back Panel and Sonata Front HDPE Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 853. **NOTE:** *Refer to Detail Views A and B for bracket orientation.*

5. Attach Sonata Spacer to Sonata Back Panel and Sonata Front HDPE Panel using 3/8" x 1 1/2" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 854.

6. Attach Mallets to the bottom edge of Sonata Front Panel using #10 x 1"Screw (Included in Hardware Complete Package). See Detail 856. **NOTE:** *Drill 1/8" pilot holes using bracket as a template and place Mallets so that each one reaches all the chimes.* **NOTE:** *Make sure to install mallets no higher than 26 1/2" from top of connection point. Refer to Finished Assembly View and Elevation View.*

7. Plumb and level the entire assembly and tighten all fasteners.

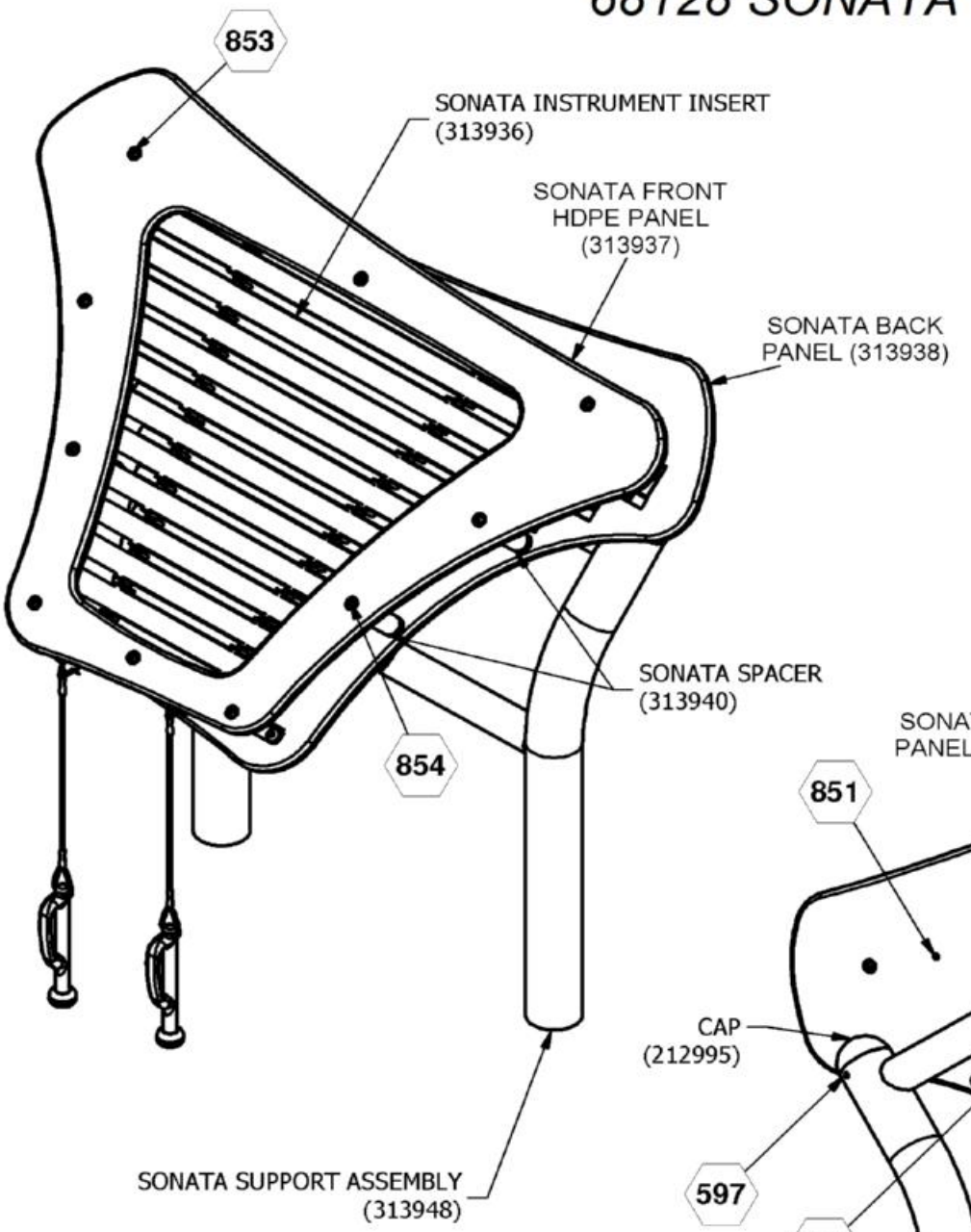
8. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures

9. 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.

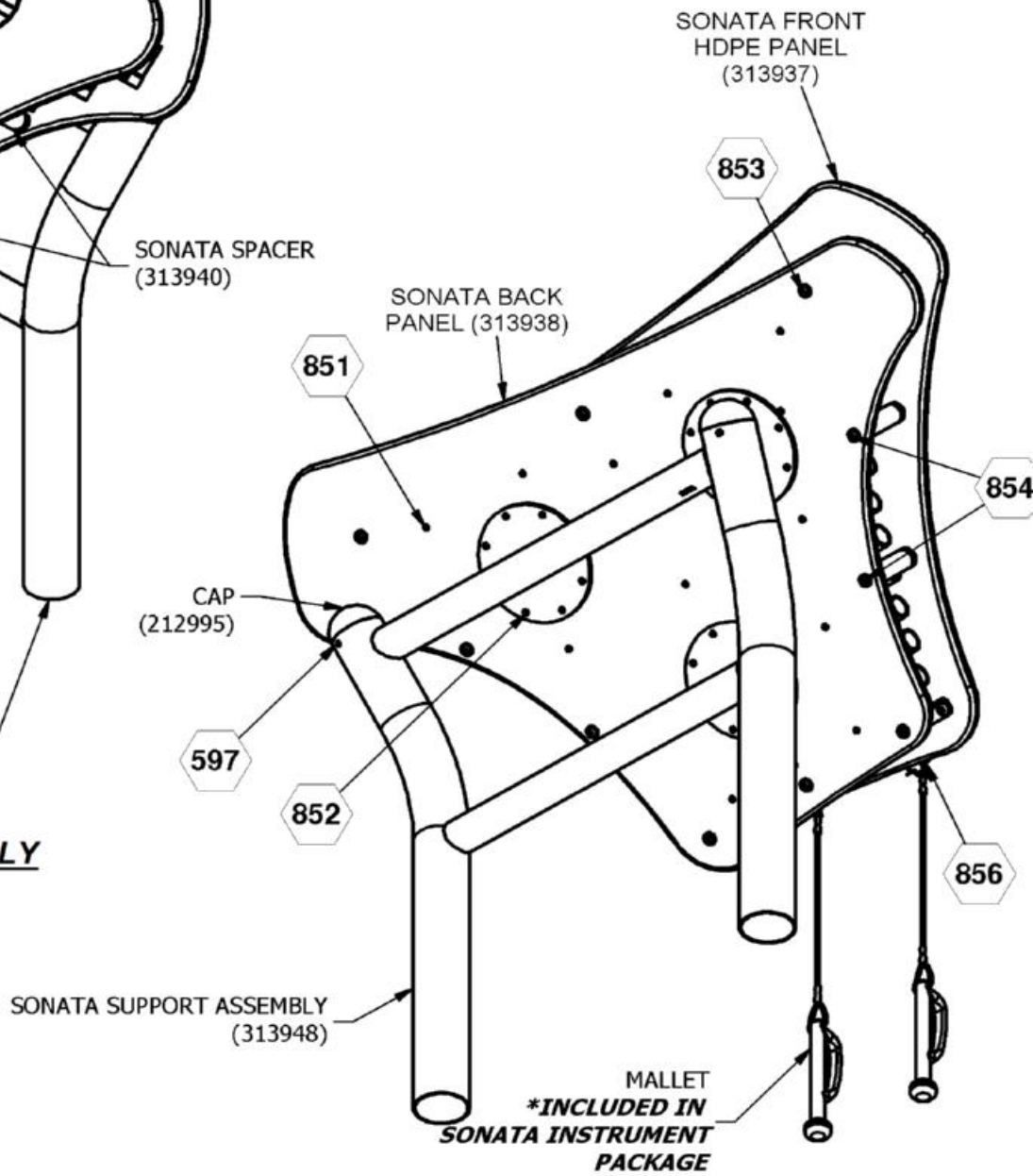
## ***MAINTENANCE PROCEDURE:***

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. Also 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.

# 68128 SONATA



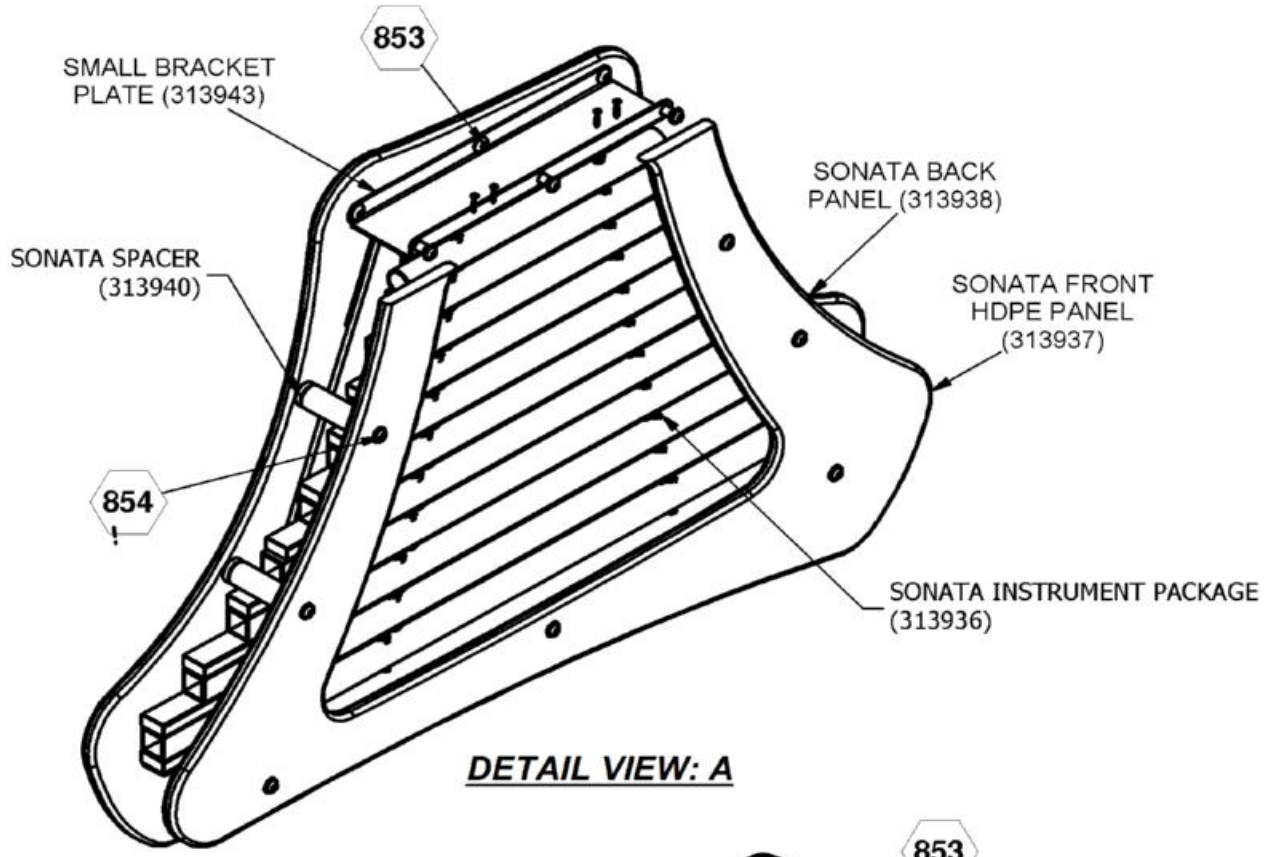

***FINISHED ASSEMBLY***



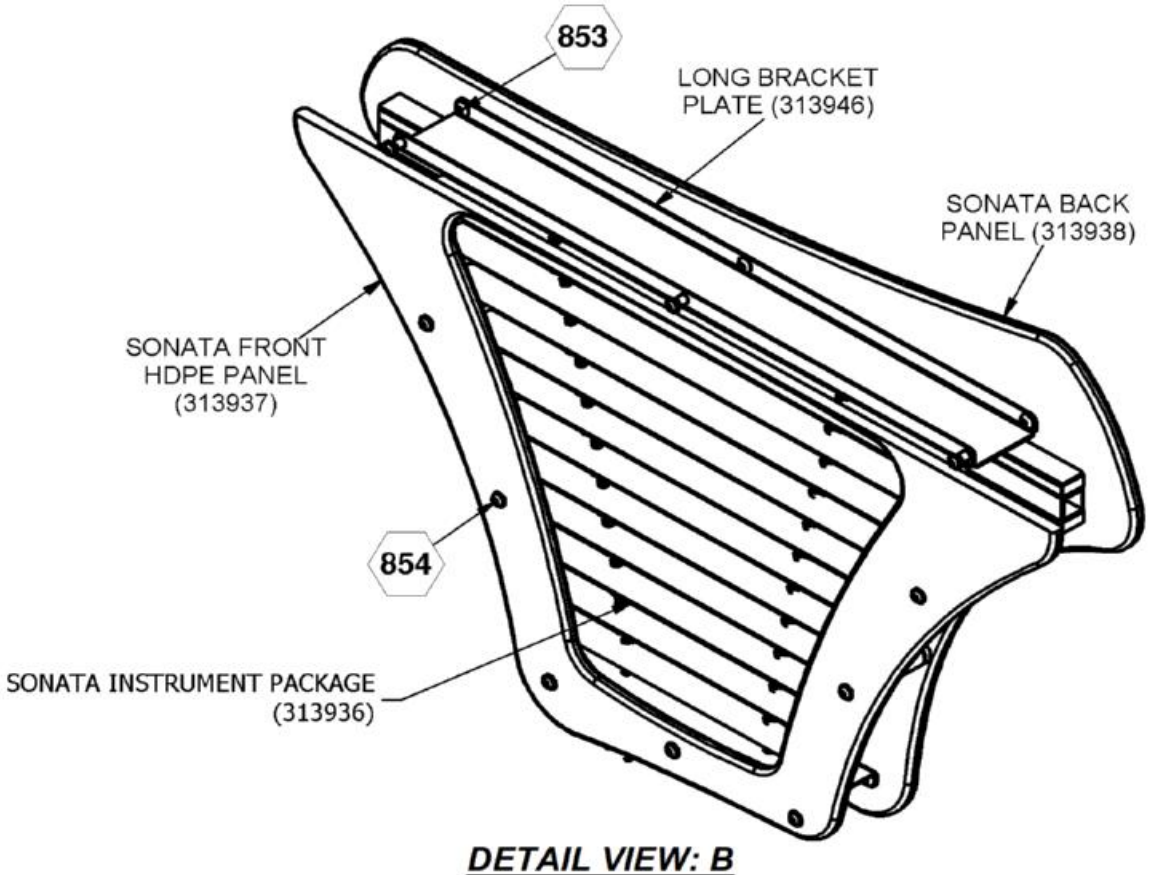

***UNDERNEATH VIEW***

⬡ = INSTALLATION DETAIL

# 68128 SONATA

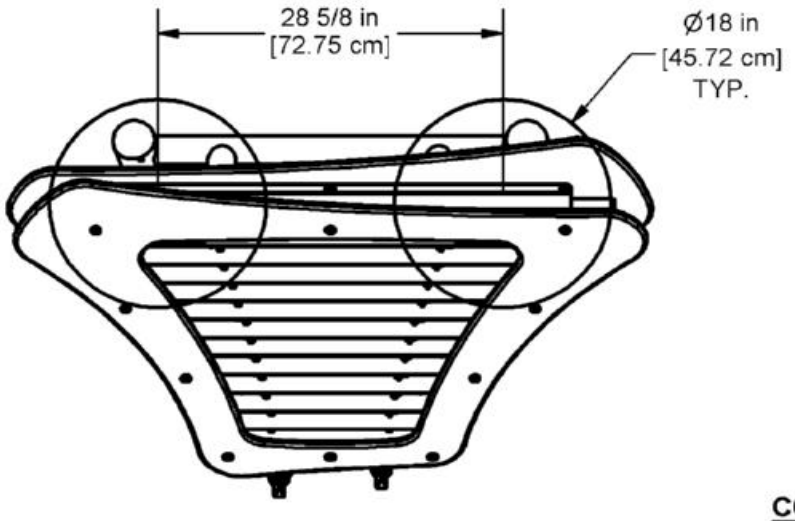



***DETAIL VIEW: A***



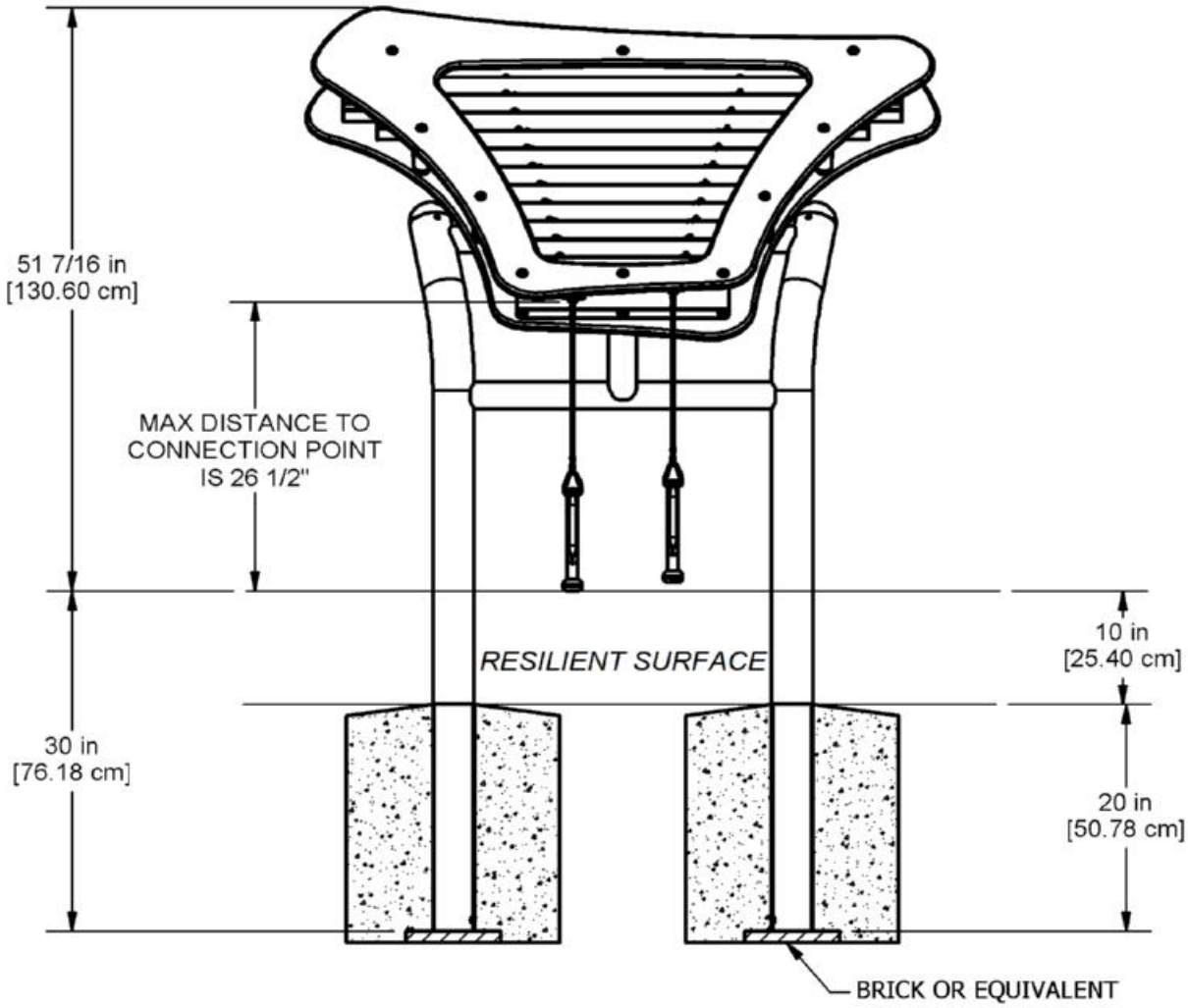

***DETAIL VIEW: B***

# 68128 SONATA



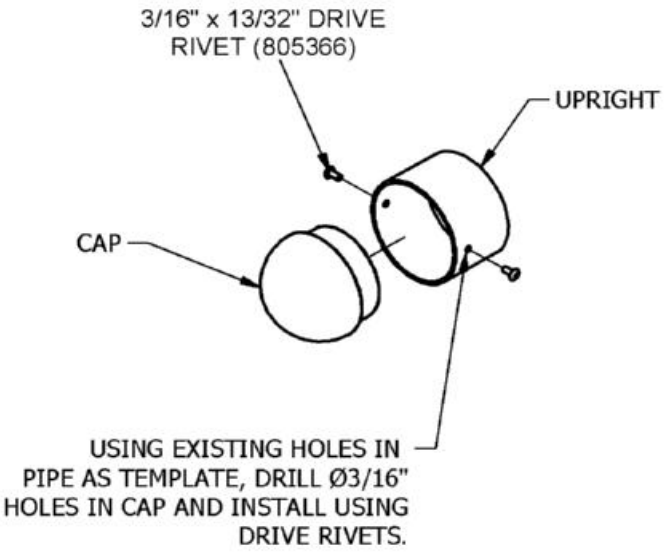

***PLAN VIEW***

**CONCRETE REQUIRED**
0.229 CUBIC YARDS
0.175 [CUBIC METERS]

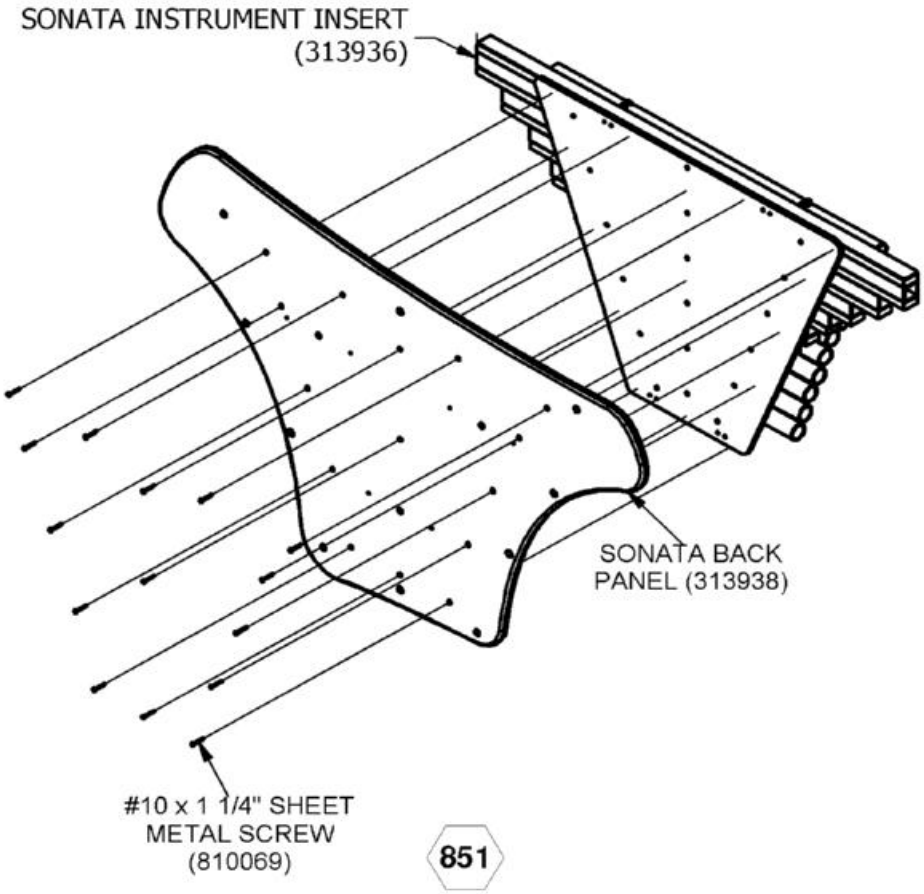



***ELEVATION VIEW***

# 68128 SONATA

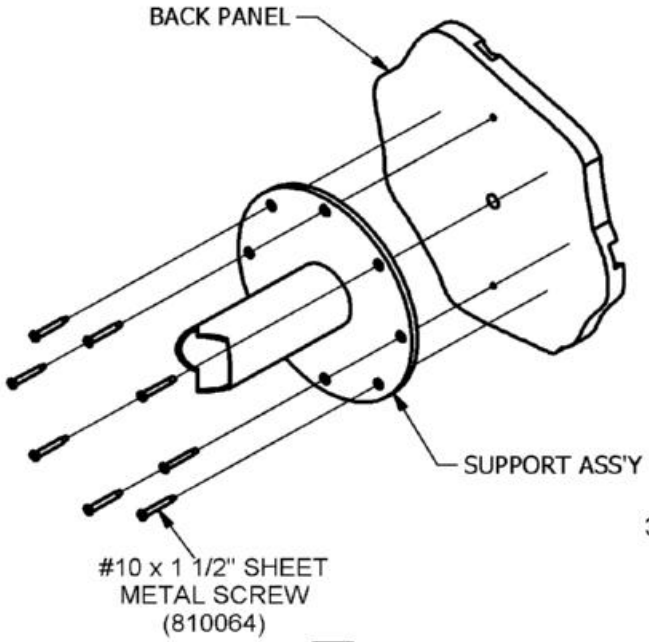



597

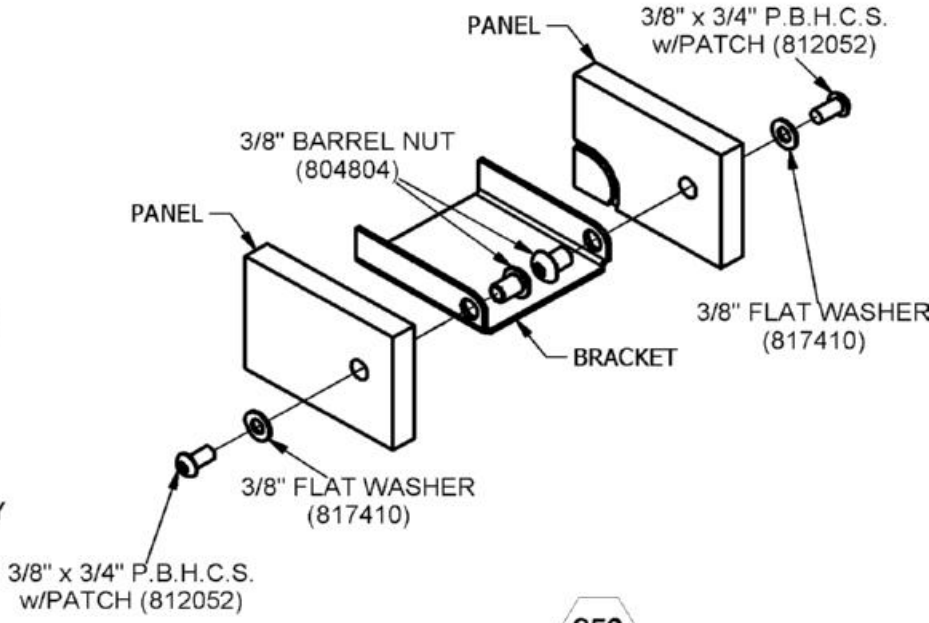



851

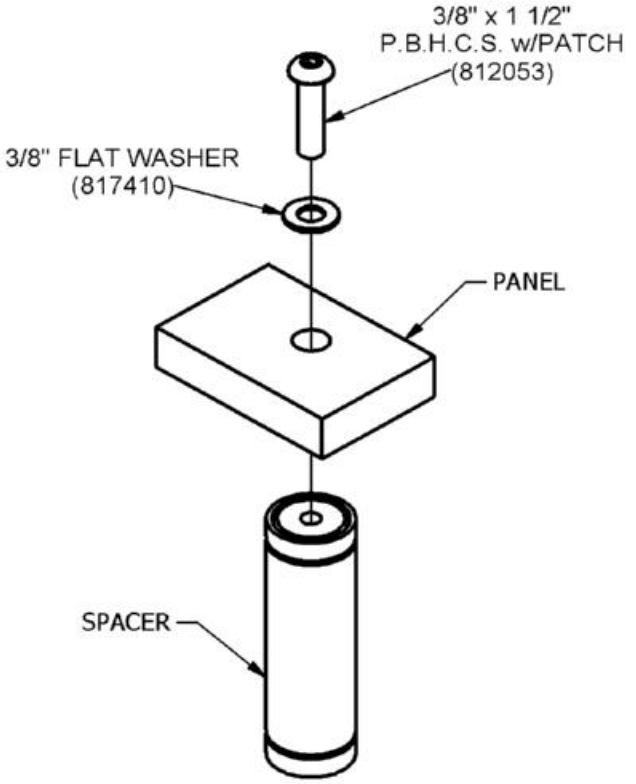
# 68128 SONATA



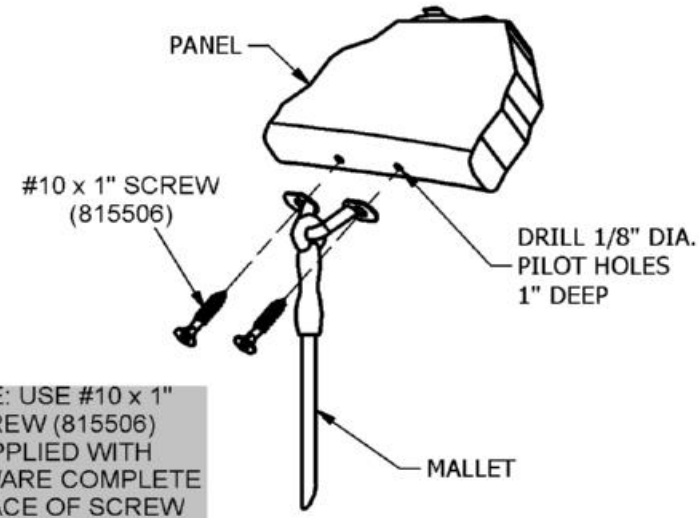

852




853




854




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.

856

# 68130 CONGA (SET OF TWO)

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| CONGA CURVED SUPPORT ASSEMBLY | 1 | 314055 |
| CONGA DRUM SUPPORT ASSEMBLY | 1 | 314051 |
| SPACER WITH INSERTS | 6 | 314057 |
| CONGA DRUM FRONT HDPE PANEL | 1 | 314059 |
| CONGA DRUM BACK HDPE PANEL | 1 | 314060 |
| DRUM PKG. (SET OF TWO) | 1 | 314096 |
| ***HARDWARE COMPLETE*** | 1 | 314038 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 24 | 812052 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 12 | 812053 |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 12 | 812057 |
| 3/8" x 3 1/4" P.B.H.C.S. w/PATCH | 2 | 812060 |
| 3/8" PLASTIC SPACER | 24 | 817613 |
| 3/8" LOCKWASHER | 14 | 817334 |
| 3/8" HEX NUT | 12 | 804053 |
| 3/8" BARREL NUT | 26 | 804804 |
| 3/8" FLAT WASHER | 48 | 817410 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***SPECIFICATIONS:***

**Conga Drum Front HDPE Panel and Conga Drum Back HDPE Panel:**
Shall be 3/4" thick high-desnity polyethylene.

**Conga Drum 12 and Conga Drum 15:**
Shall be constructed of 12" plastic pipe, 15" plastic pipe, and molded plastic lid.

**Conga Drum Support Assembly:**
Shall be an all welded construction fabricated from 3 1/2" galvanized pipe and 1/4" thick laser cut steel. The Conga Drum Support Assembly shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

**Conga Curved Support Assembly:**
Shall be an all welded construction fabricated from 3 1/2" galvanized pipe and 1/4" thick laser cut steel The Conga Curved Support Assembly 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 1.315" galvanized pipe 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.

# 68130 CONGA (SET OF TWO)

**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).

**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-coated 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.

## ***INSTALLATION INSTRUCTIONS:***

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding surfacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

2. Attach Conga Drum Back HDPE Panel to Conga Curved Support Assembly using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 862. **NOTE:** *Rotate panel so that the reference arrow is face up in the top right corner.*

3. Attach Spacer with Inserts to Conga Curved Support Assembly using 3/8" x 1 1/2" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 870. **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 Conga Drum Support Assembly to Conga Curved Support Assembly using 3/8" x 3 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 868.

5. Attach Conga Drum Front HDPE Panel to Conga Drum Support Assembly using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 862. **NOTE:** *Rotate panel so that the reference arrow is face up in the top left corner.*

6. Attach Conga Drum Support Assembly and Conga Drum Front HDPE Panel to Spacer with Inserts using 3/8" x 1 1/2" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 871.

7. Insert Conga Drum 12 and Conga Drum 15 (Incuded in Drum Pkg.) into appropriate hole for each drum. Place the open end toward ground and allow the top to rest on the Conga Drum Support Assembly. Align each Spacer with Inserts so that the holes face each drum and field drill 3/8" hole thru each drum. Attach Conga Drums to Spacers with Inserts using 3/8" x 2 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Plastic Spacer, 3/8" Lock Washer, and 3/8" Hex Nut. See Detail 863.

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

9. Attach bottom cover for Conga Drum 12 and Conga Drum 15 using supplied adhesive. See Detail 869.

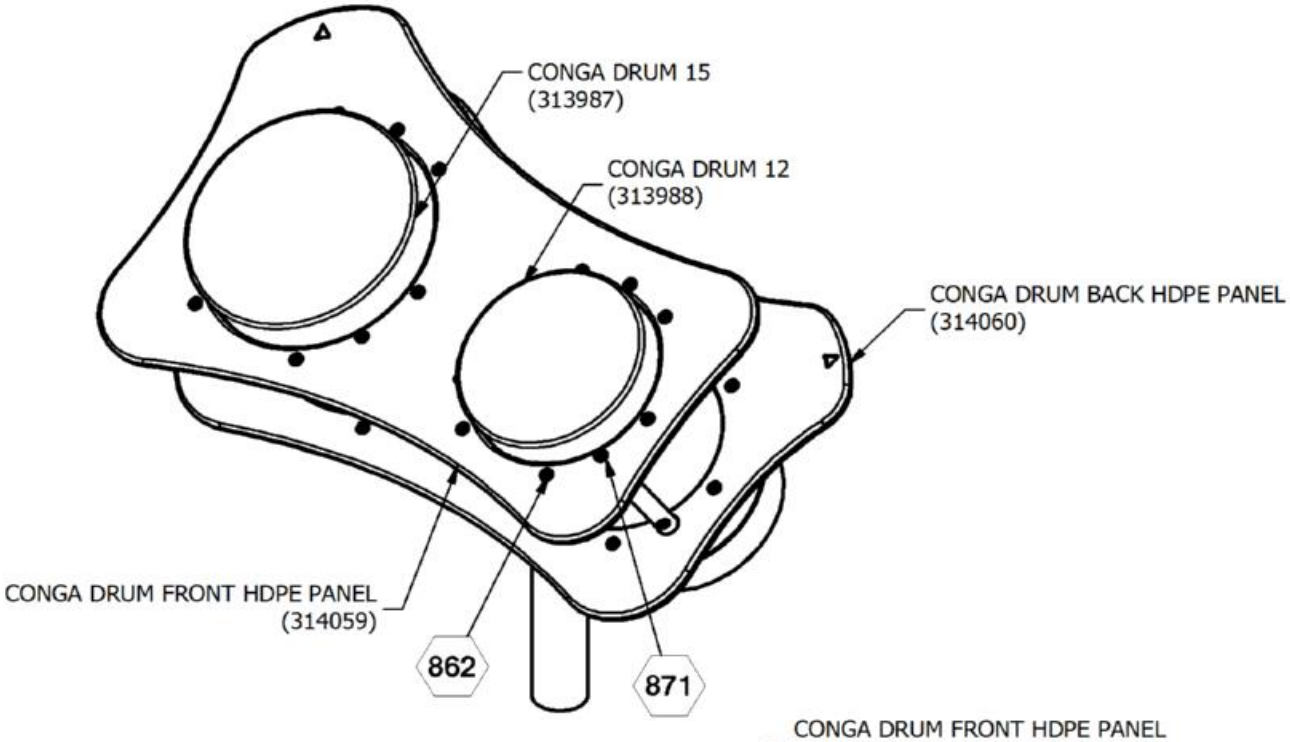
10. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

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

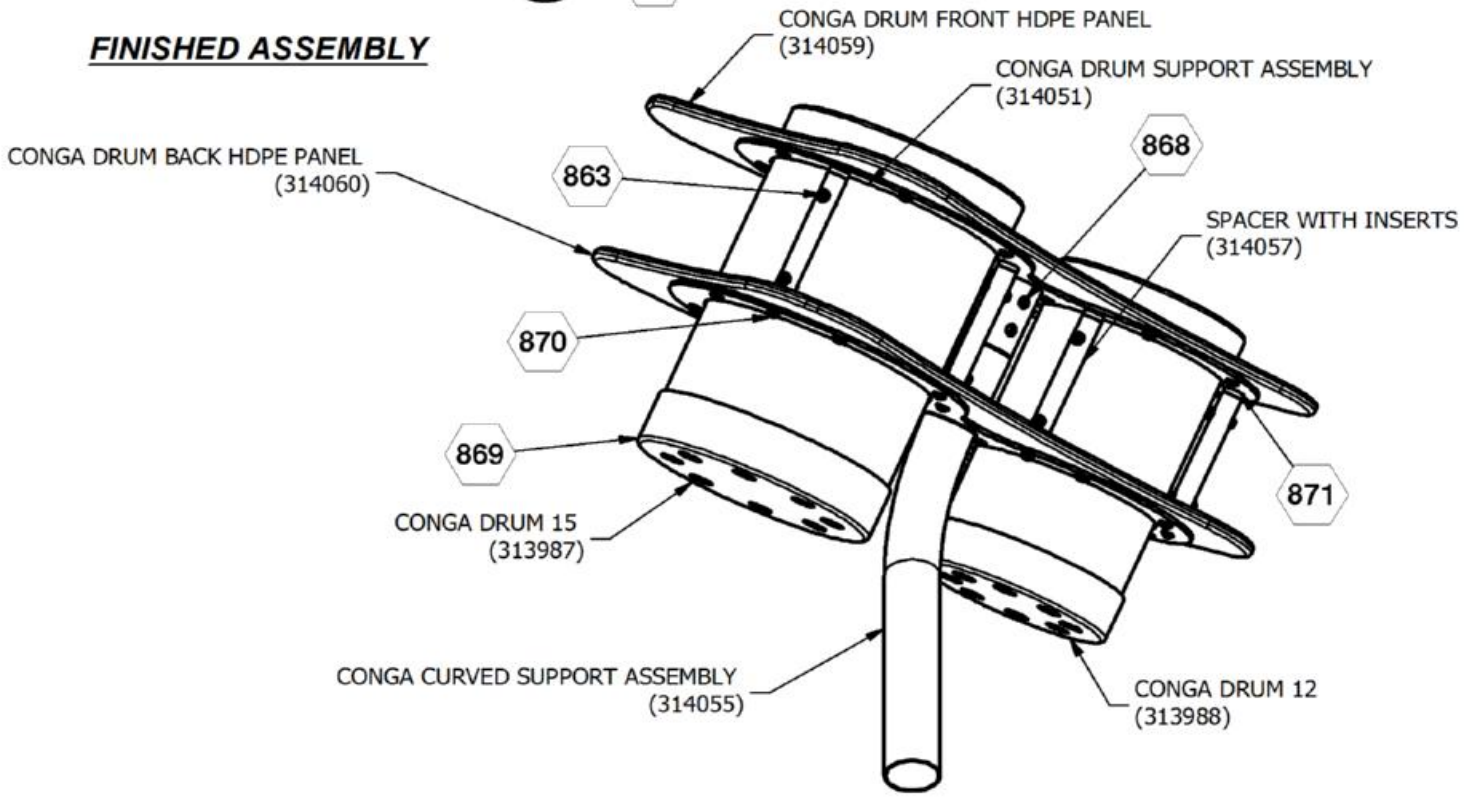
## ***MAINTENANCE PROCEDURE:***

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. Also 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.

# 68130 CONGA (SET OF TWO)




***FINISHED ASSEMBLY***

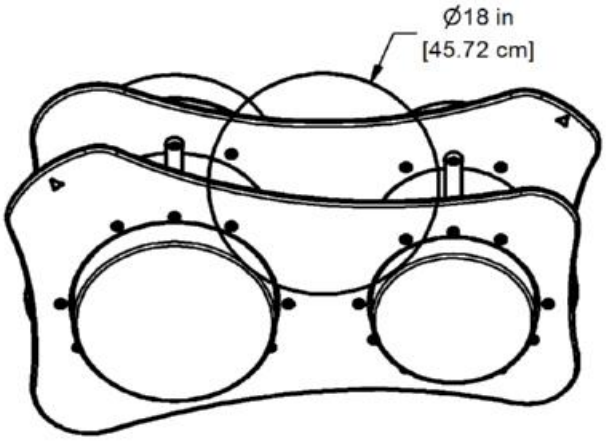



⬡ = INSTALLATION DETAIL

***UNDERNEATH VIEW***

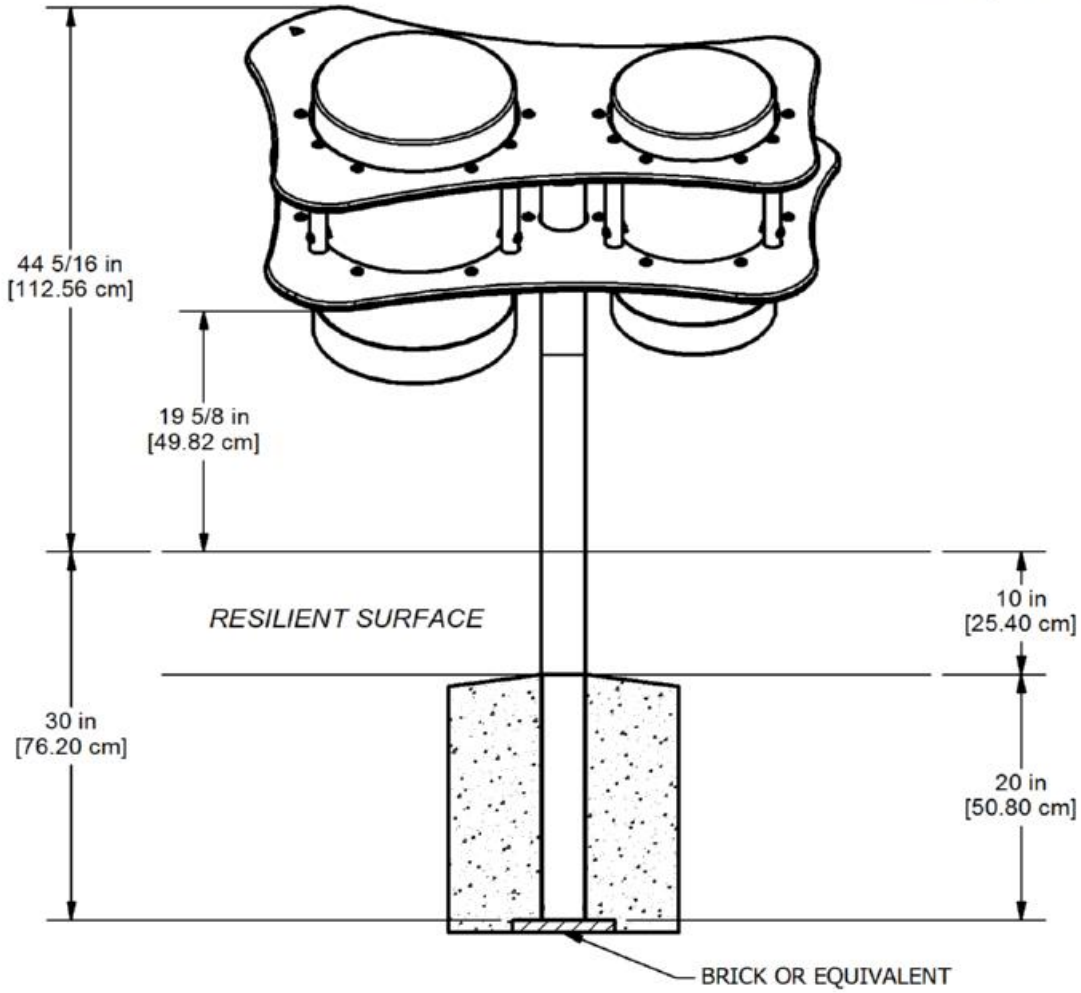
Issued/Revised: 11/2/2016

# 68130 CONGA (SET OF TWO)



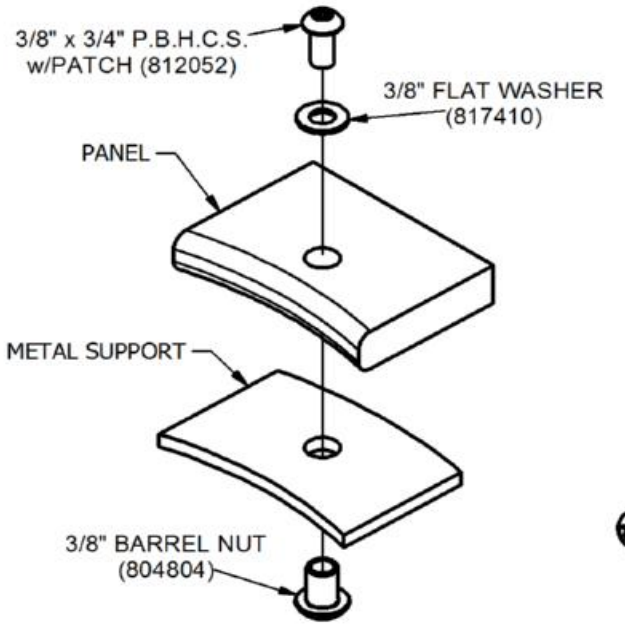

***PLAN VIEW***

**CONCRETE REQUIRED**
0.115 CUBIC YARDS
0.088 [CUBIC METERS]

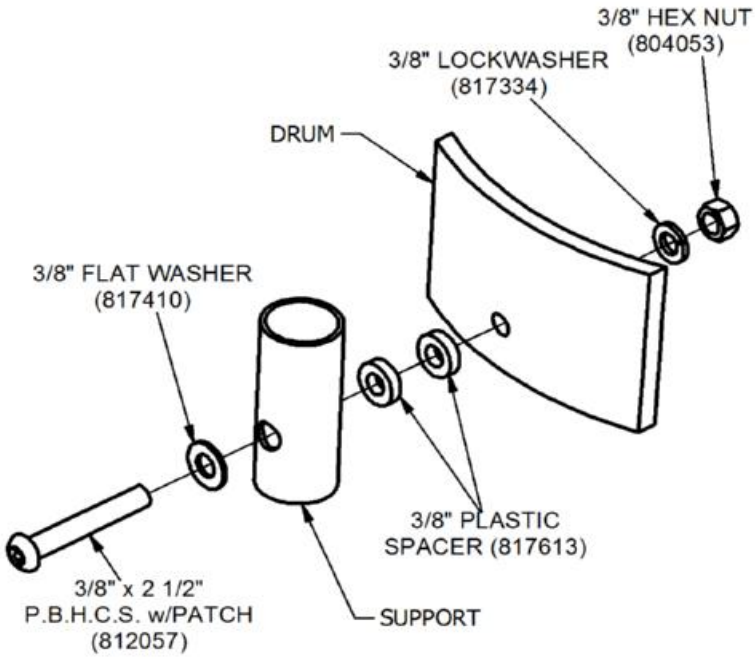



***ELEVATION VIEW***

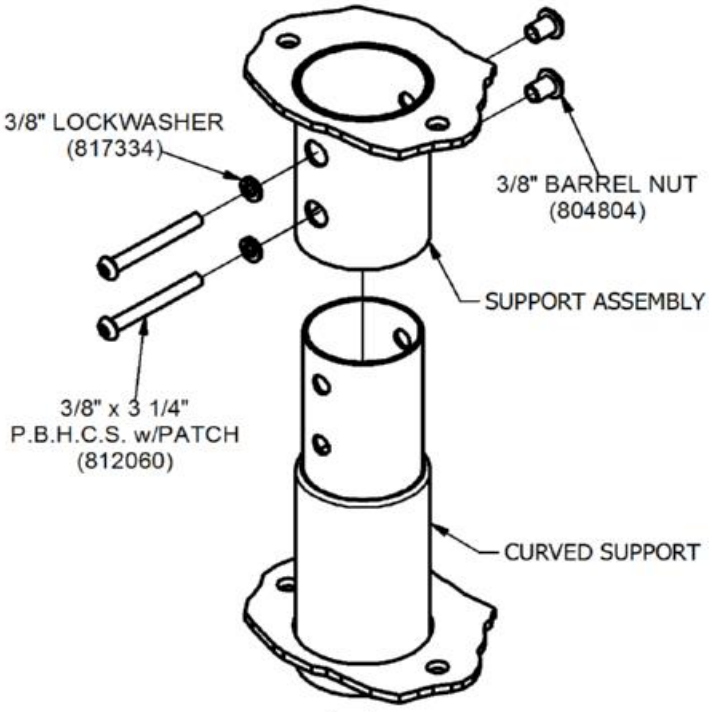
# 68130 CONGA (SET OF TWO)



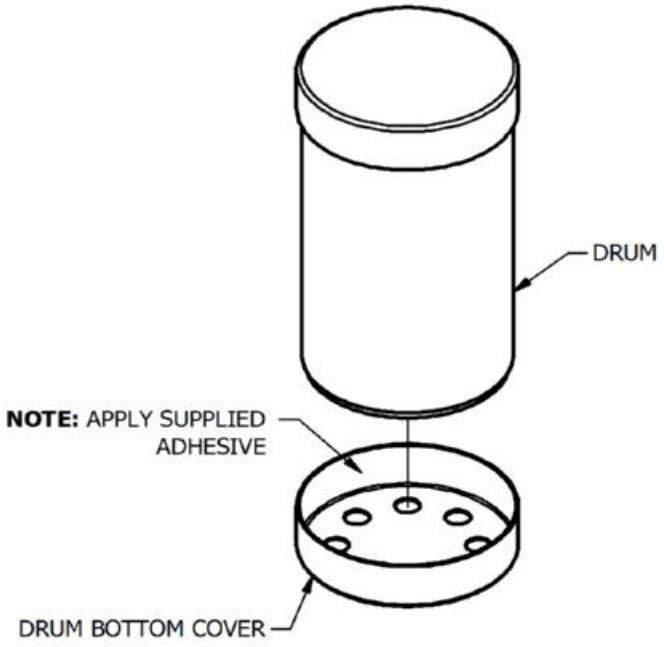

862




863

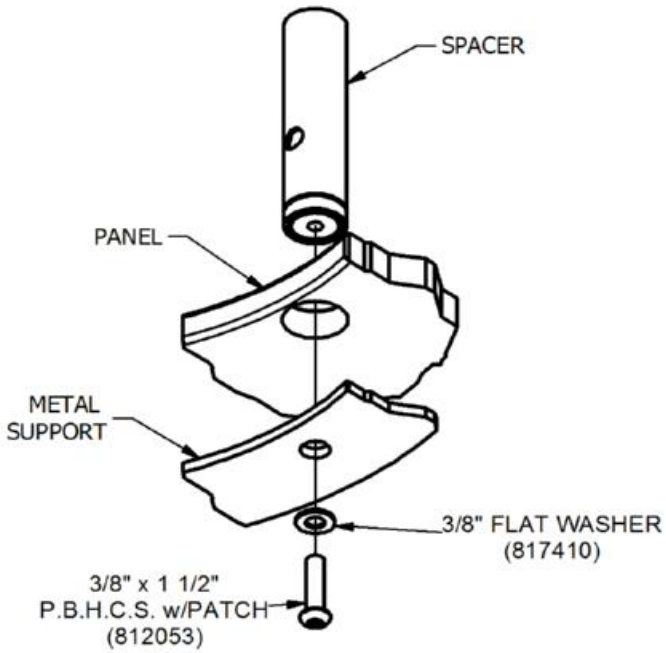



868

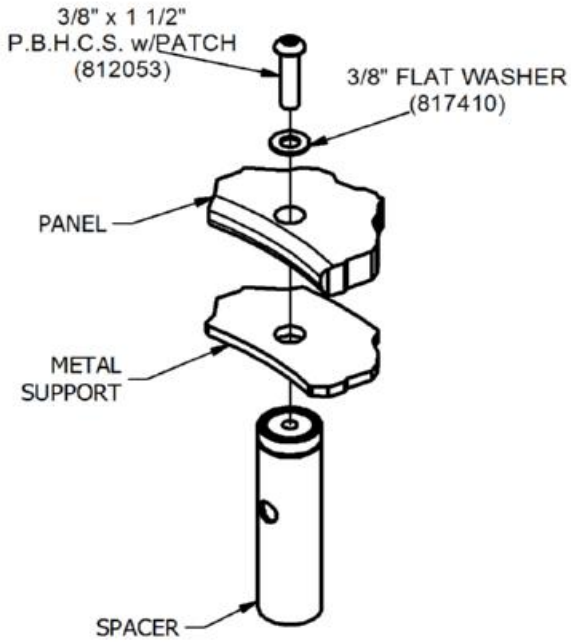



869

# 68130 CONGA (SET OF TWO)




870




871

SuperMax Play Systems

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 71000 | 71001 | 71002 | PART NUMBER |
| DECK ADAPTER | 4 | 3 | 3 | 309921 |
| SQUARE DECK PLATFORM | 1 | 0 | 0 | 309922 |
| TRIANGLE DECK PLATFORM | 0 | 1 | 0 | 309928 |
| ISOSCELES TRIANGLE DECK PLATFORM | 0 | 0 | 1 | 309932 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 309927 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 1 | 309931 |
| 1/4" x 3/4" SET SCREW | 8 | 6 | 6 | 811545 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 812052 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 3 | 3 | 812051 |
| 3/8" LOCK WASHER | 6 | 5 | 5 | 817334 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 5 | 5 | 817424 |
| 3/8" T-NUT | 2 | 2 | 2 | 804556 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***INSTALLATION INSTRUCTIONS:***

1. Place Uprights in dug holes at appropriate height per Upright installation instructions. Get the height required for the deck from the Plan View Diagram. Use a felt-tip marker to mark the top of the Ring Clamp on all uprights.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

3. Attach Deck Adapters to the Ring Clamps using 1/4" x 3/4" set screw. Do not overly tighten set screws. Attach decks to the Deck Adapter using 3/8" x 1 1/4" P.B.H.C.S., 3/8" Flat Washer, and 3/8" Lock Washer as shown in Detail 447. Plumb and level uprights and brace in position.

4. Using a level, and holding one Ring Clamp as a constant, adjust the other clamps so that the deck is completely level. At this point, if you have more decks to attach, lay each succeeding deck on the ground against the previous deck's two posts, and mark the missing footings to be dug. Continue attaching decks in this manner. Tighten set screws after all decks are attached.

5. Attach side-by-side decks to one another using 3/8" x 3/4" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut as shown in Detail 061.

6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.

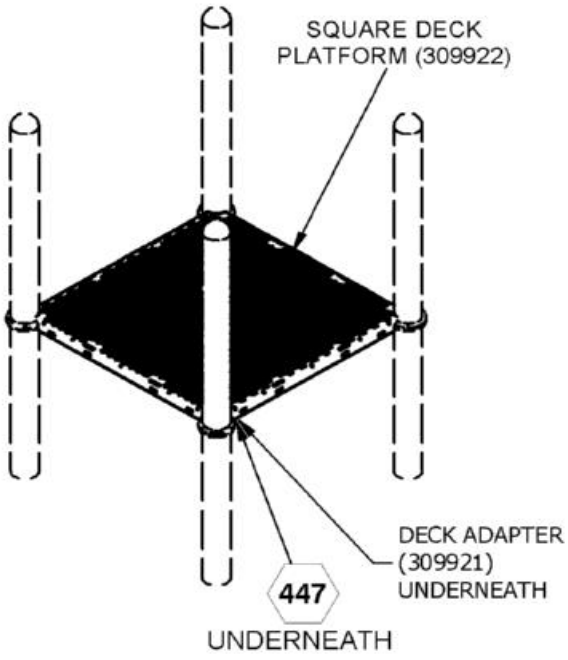
SuperMax Play Systems

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

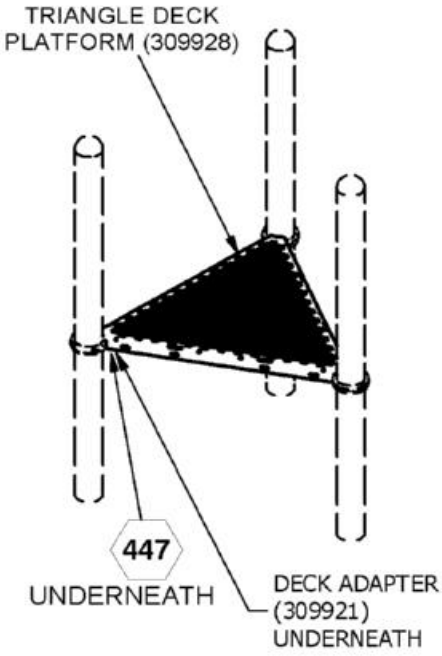
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

## ***MAINTENANCE PROCEDURE:***

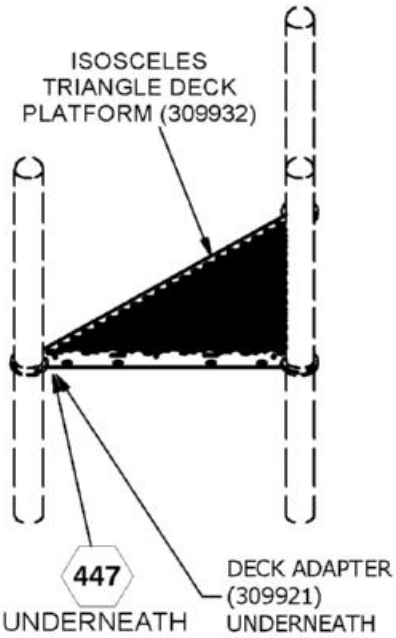
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.




***SQUARE DECK***




***TRIANGLE DECK***




***ISOSCELES TRIANGLE DECK***

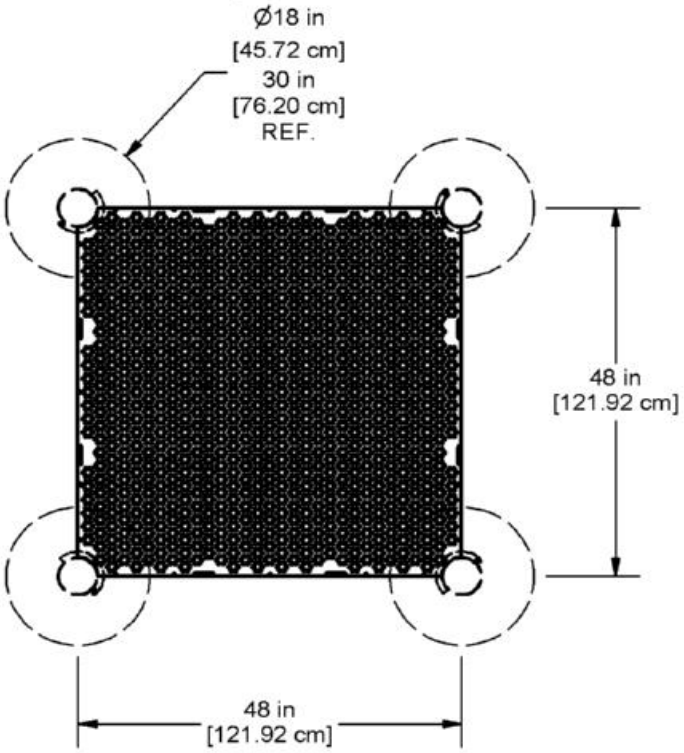
***FINISHED ASSEMBLY***

= INSTALLATION DETAIL

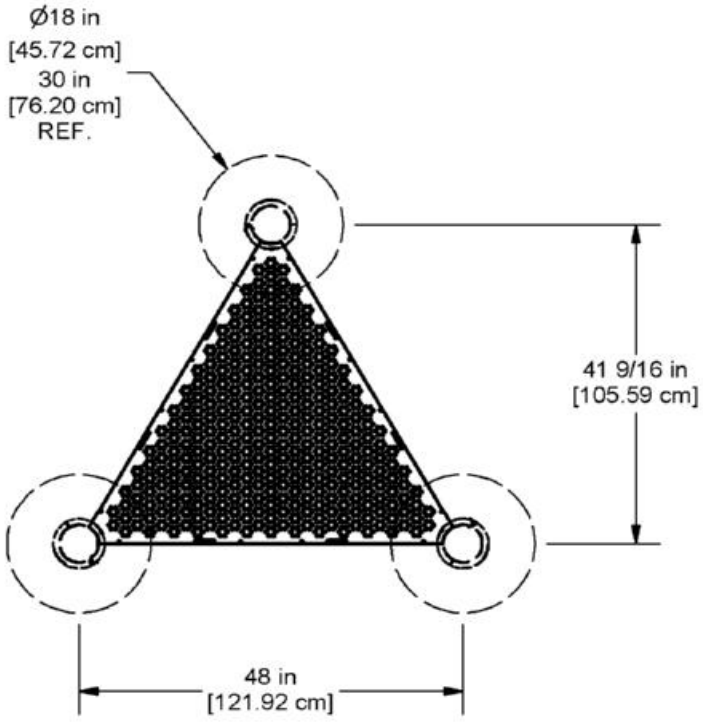
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/13/2012

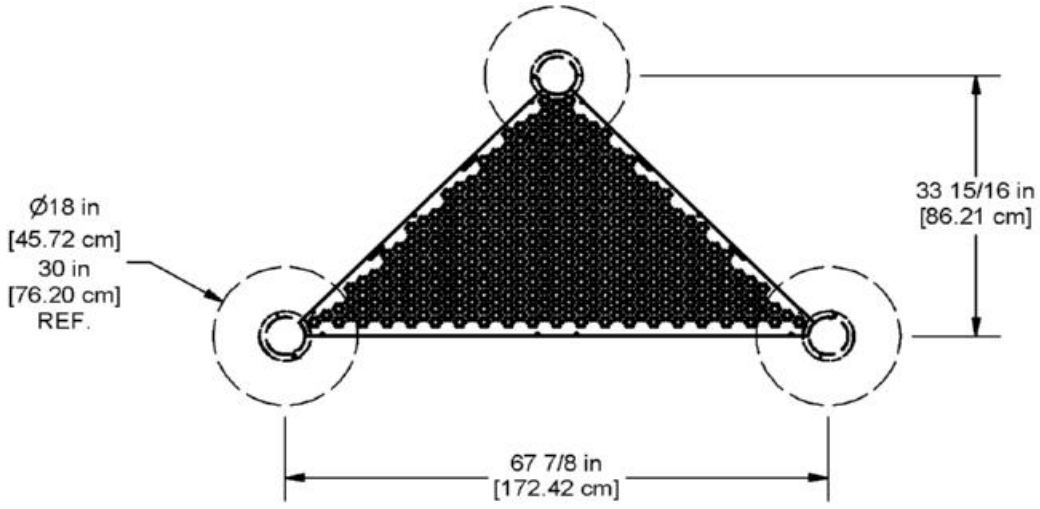
# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck




***SQUARE DECK***



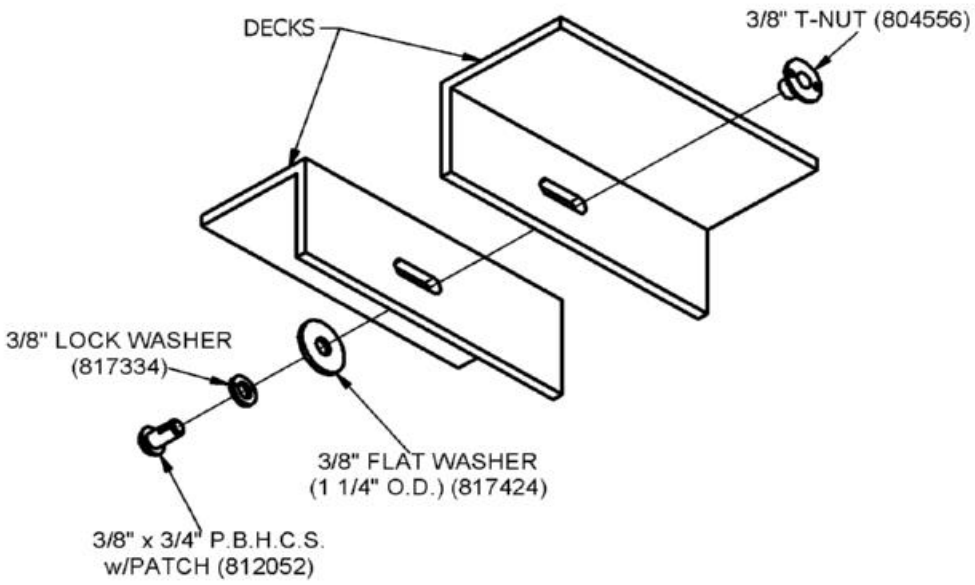

***TRIANGLE DECK***




***ISOSCELES TRIANGLE DECK***

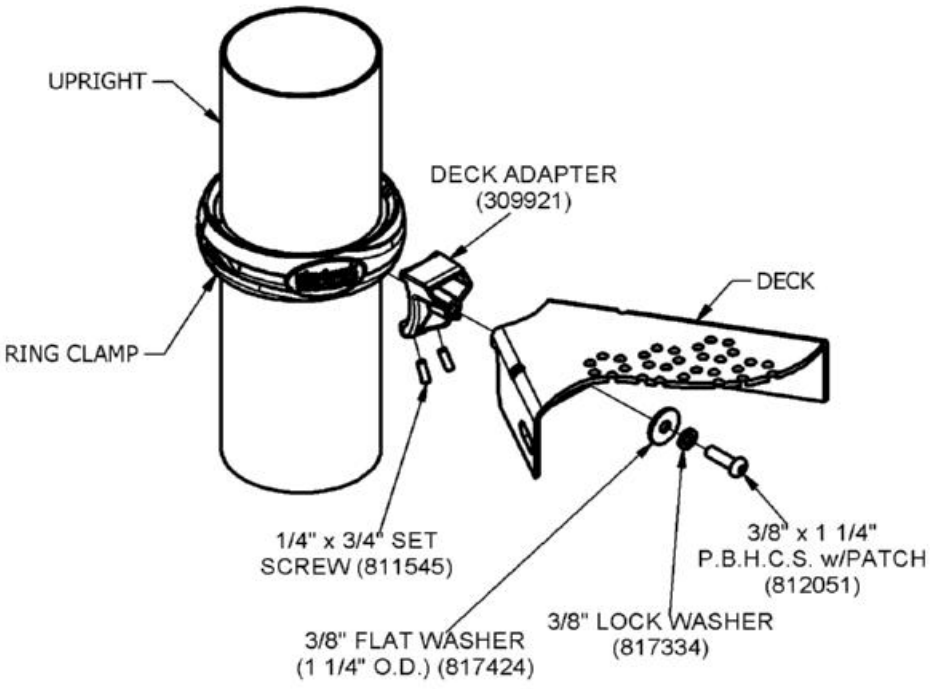
***PLAN VIEW***

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck




061

NOTE: DECK ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS




447

SuperMax Play Systems

# 71003 Semi-Hex Deck

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SEMI-HEX DECK | 1 | 309938 |
| DECK ADAPTER | 5 | 309921 |
| -----HARDWARE COMPLETE----- | 1 | 309942 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 9 | 817424 |
| 3/8" LOCKWASHER | 9 | 817334 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 5 | 812051 |
| 1/4" x 3/4" SET SCREW | 10 | 811545 |
| 3/8" T-Nut | 4 | 804556 |
| 3/8" x 3/4" P.B.H.C.S. w/Patch | 4 | 812052 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Place Uprights in dug holes at appropriate height per Upright installation instructions. Get the height required for the deck from the Plan View Diagram. Use a felt-tip marker to mark the top of the Ring Clamp on all uprights.

HINT: If this is the first deck of the structure, locate and concrete one upright only (preferably the most shared post, if this deck is part of a multi deck group), ensuring it is plumb and at the right height. After it has had a chance to set, place one corner of the deck against the post and mark the location of the adjacent post. Concrete the second post. Continue this procedure for all five posts while leaving the deck on the ground. The deck has been used as its own template, and the deck is now easily attached as its uprights are already in place.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

3. Attach Deck Adapters to the Ring Clamps using 1/4" x 3/4" set screw. Do not overly tighten set screws. Deck Adapters should still rotate on Ring Clamp. Attach Decks to the Deck Adapter using 3/8" x 1 1/4" P.B.H.C.S., 3/8" flatwasher and 3/8" lockwasher. Plumb and level uprights and brace in position.

4. Using a level, and holding one Ring Clamp as a constant, adjust the other four clamps so that the deck is completely level. At this point, if you have more decks to attach, lay each succeeding deck on the ground against the previous deck's two posts, and mark the missing footings to be dug. Continue attaching decks in this manner. Tighten set screws after all decks are attached.

5. Attach side-by-side decks to one another using 3/8" x 3/4" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut as shown in Detail 061.

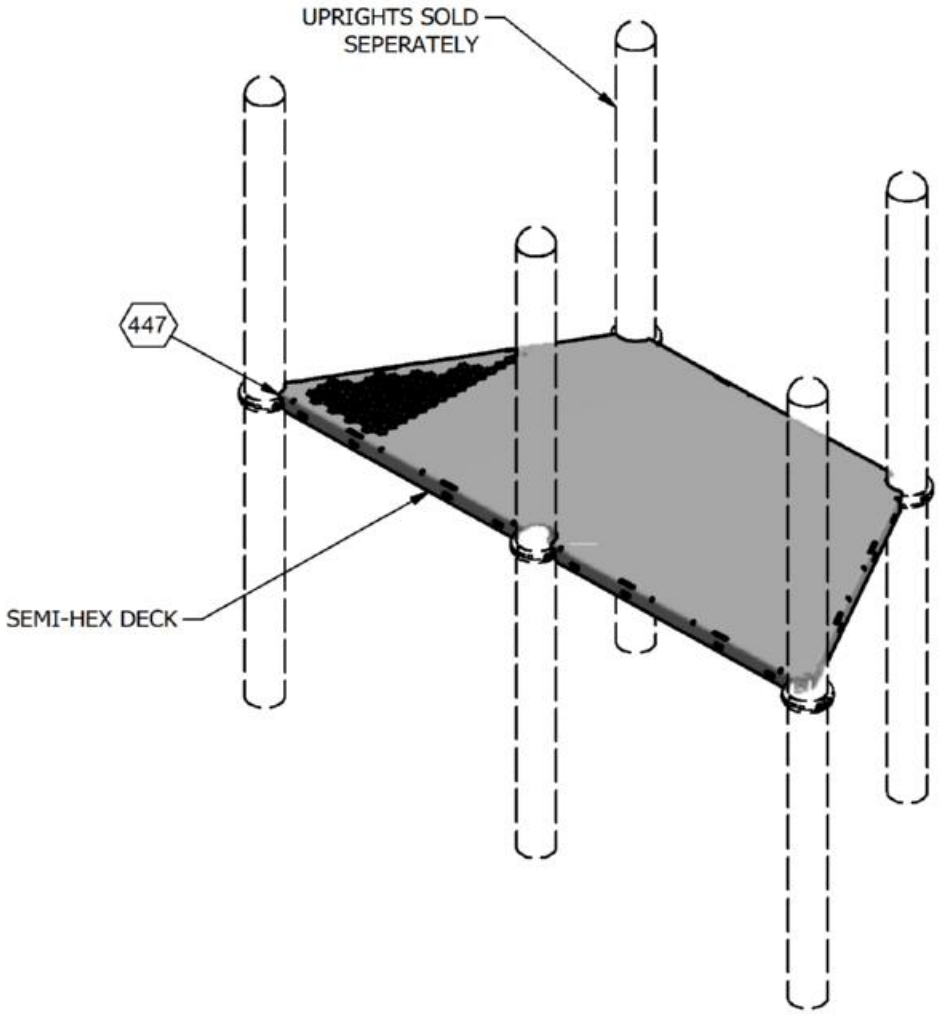
6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Deck Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***.

# 71003 Semi-Hex Deck

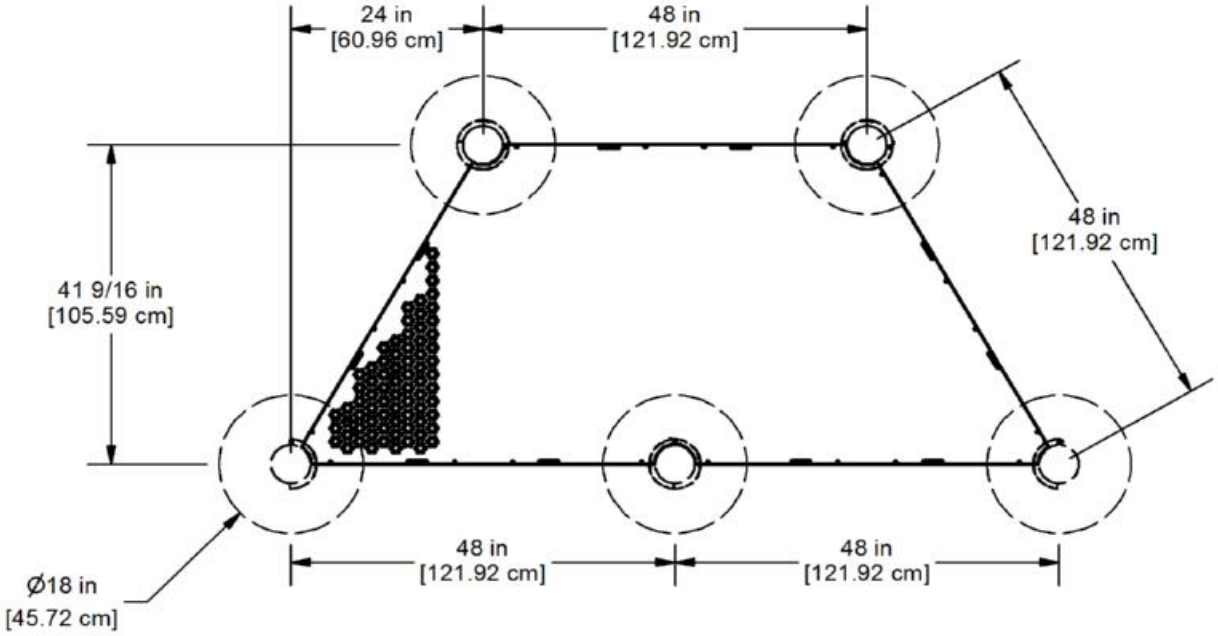
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***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 for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

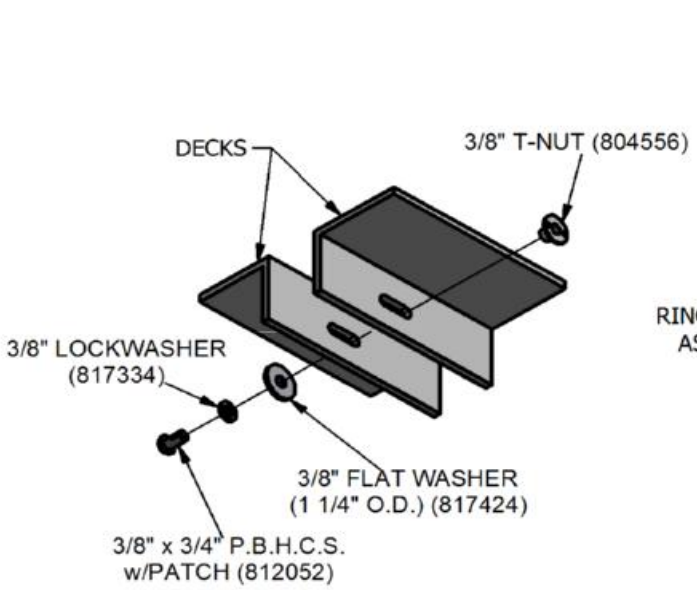



**FINISHED ASSEMBLY**

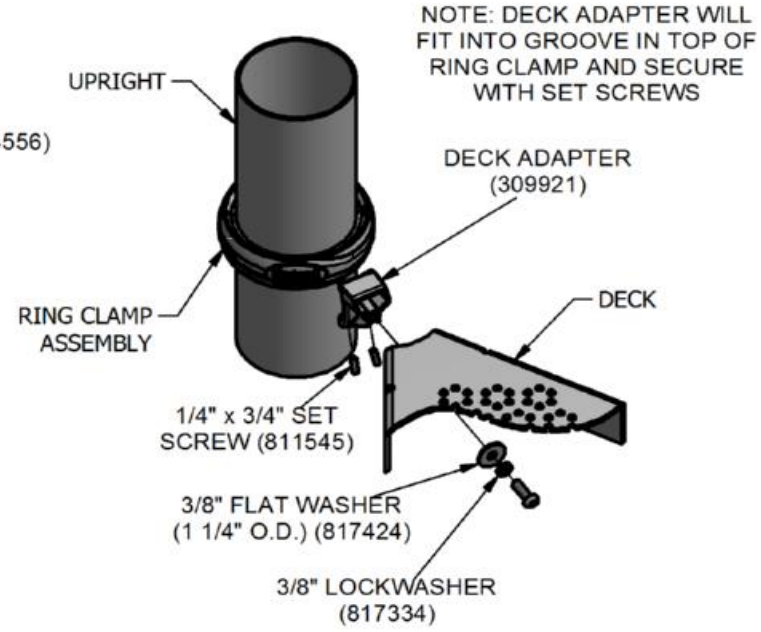
# 71003 Semi-Hex Deck



# 71003 Semi-Hex Deck




061




447

SuperMax Play Systems

# 71013 Metal Handhold Barrier

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | ENTRANCE BARRIER WALL | 1 | 309967 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 309969 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" LOCKWASHER | 2 | 817334 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" LOCK NUT | 4 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

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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.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck to receive the Metal Handhold Barrier. Refer to your Top View drawing for location.

2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the Deck. Be careful not to expose the steel.

3. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Assembly.

4. Slip Pipe Adapters onto Handhold Barrier attachment pipes then hook Pipe Adapters onto Ring Clamp. Connect Pipe Adapter to Ring Clamp using 1/4" x 3/4" Set Screws as shown in Detail 448. Connect Handhold Barrier to Pipe Adapter using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

5. Attach Handhold Barrier to front of deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Lock Nut as shown in Detail 318.

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

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

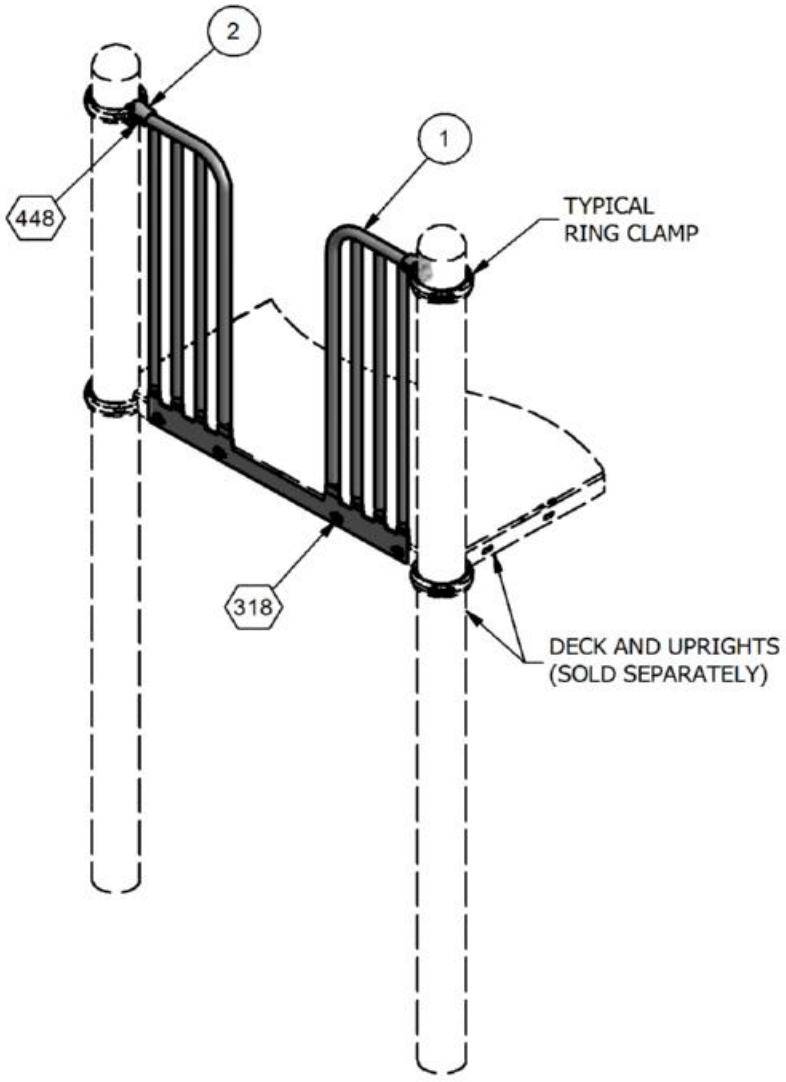
7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# 71013 Metal Handhold Barrier

Note: To cushion accidental falls by children, Park Structures strongly recommends that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

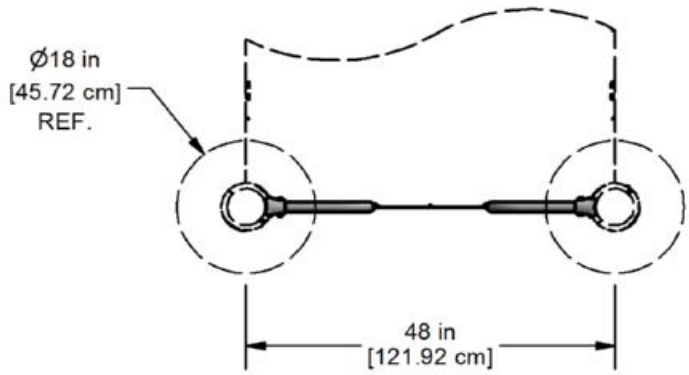
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.



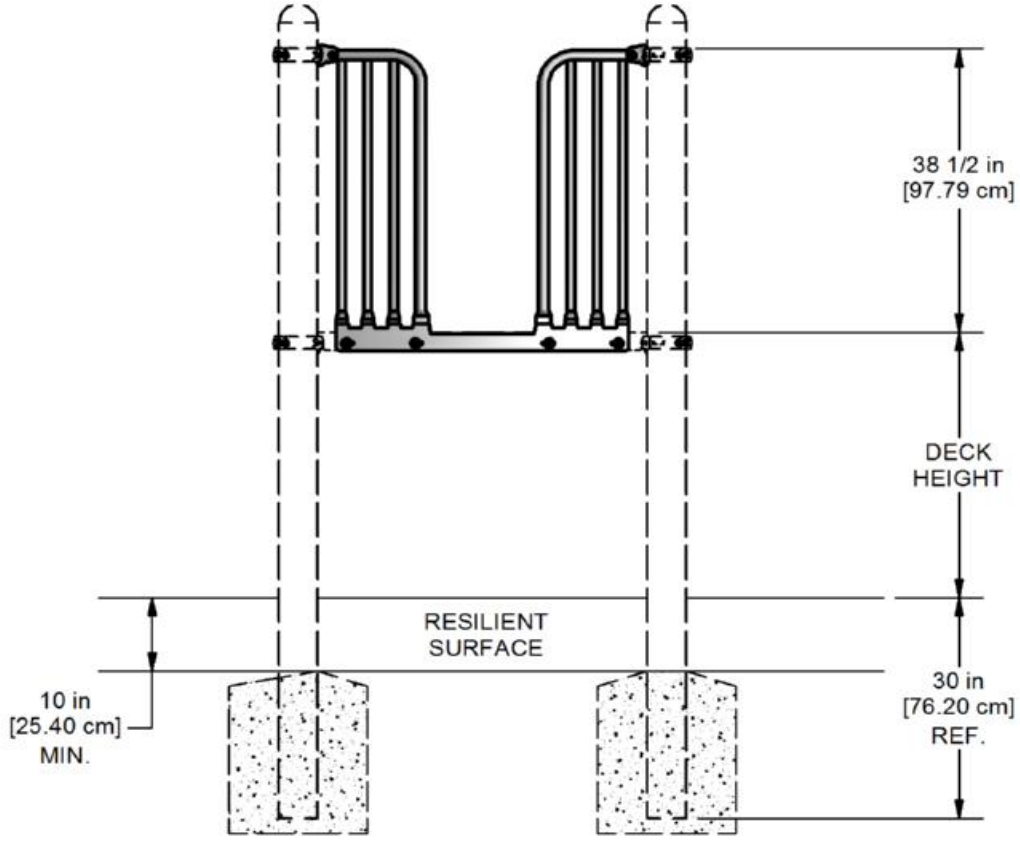

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71013 Metal Handhold Barrier

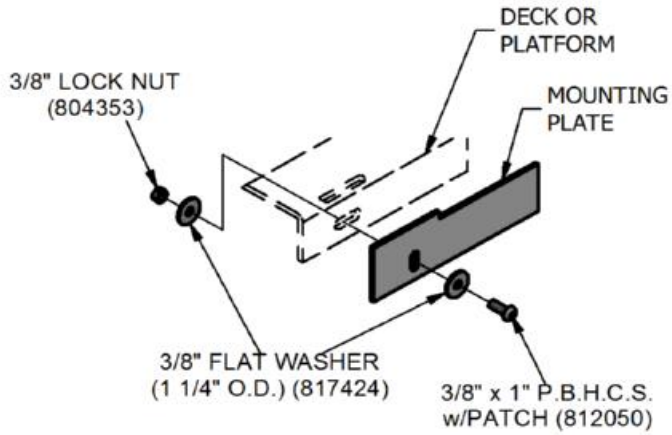



***PLAN VIEW***

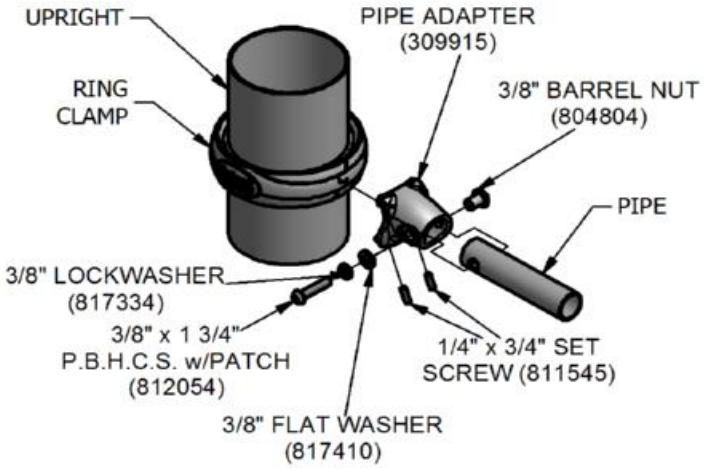



***ELEVATION VIEW***

# 71013 Metal Handhold Barrier




318




448

SuperMax Play Systems

# 71014 Pipe Wall

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | PIPE WALL | 1 | 309972 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 309974 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 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 | 2 | 812054 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| | 3/8" LOCK WASHER | 2 | 817334 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Pipe Wall, refer to your overhead drawing for location.

2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the deck. Be careful not to expose the steel.

3. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

4. Put Pipe Wall tabs into slots on deck. Slip Pipe Adapters over Pipe Wall attachment pipes, then hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Pipe Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

5. Attach tabs to deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flatwasher, and 3/8" Lock Nut as shown in Detail 026. After ensuring Pipe Wall is square and level, tighten all fasteners.

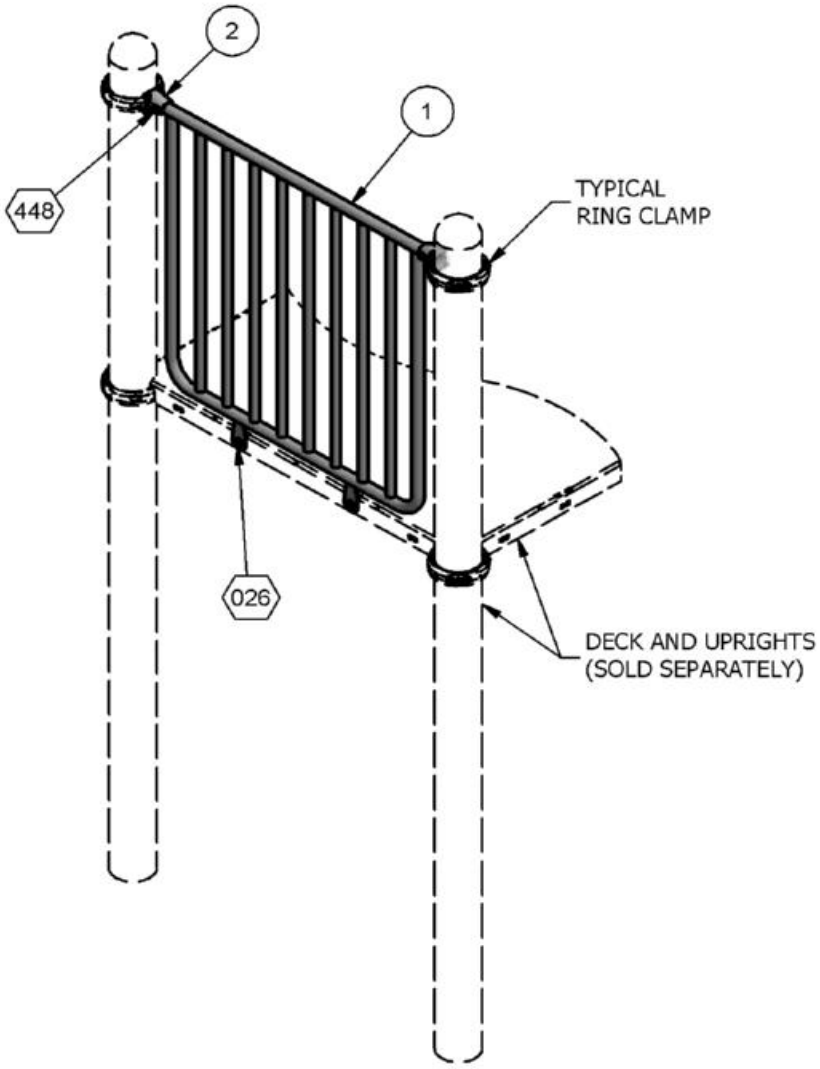
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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***. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# 71014 Pipe Wall

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

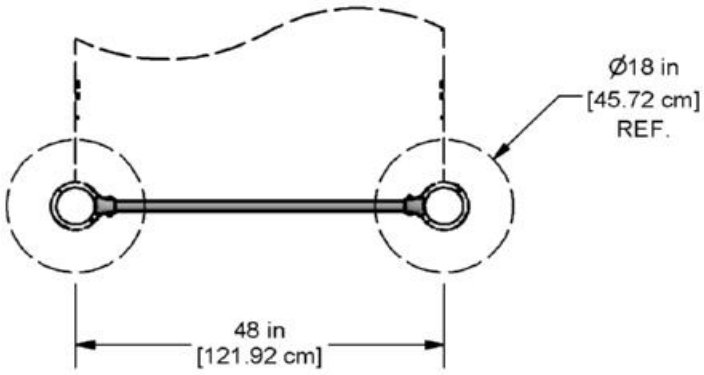
***MAINTENANCE PROCEDURE:***
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.



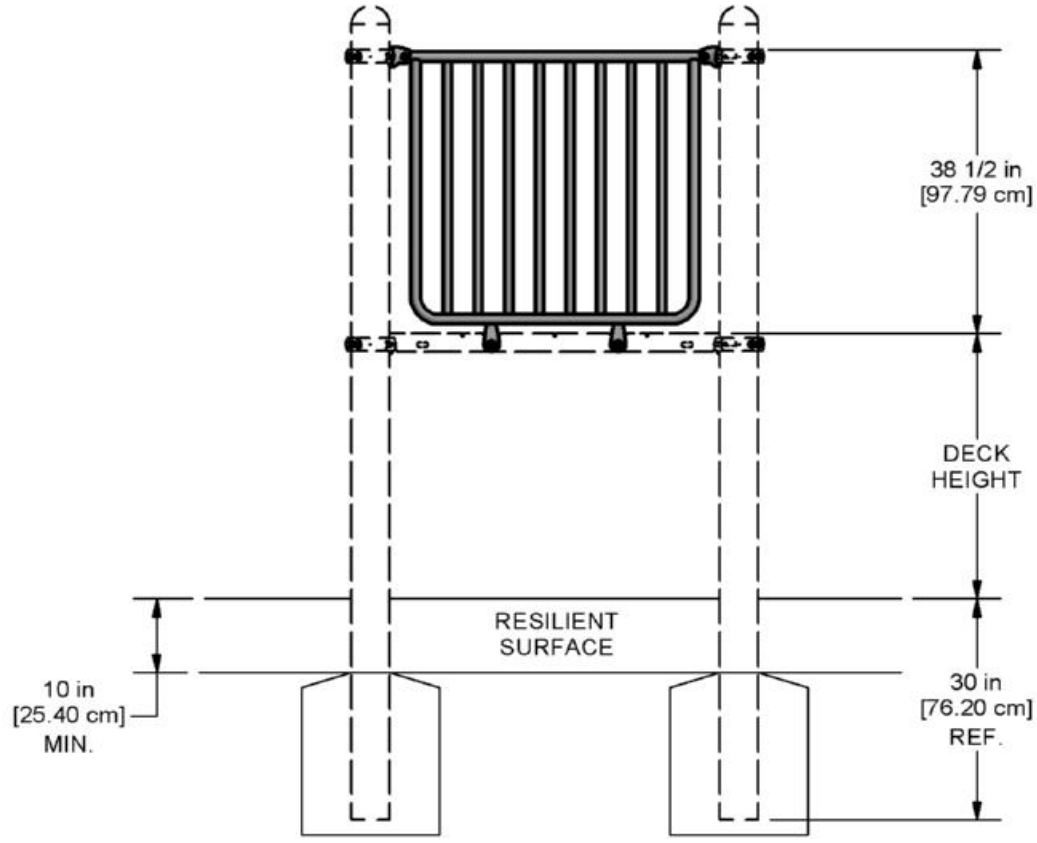

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71014 Pipe Wall

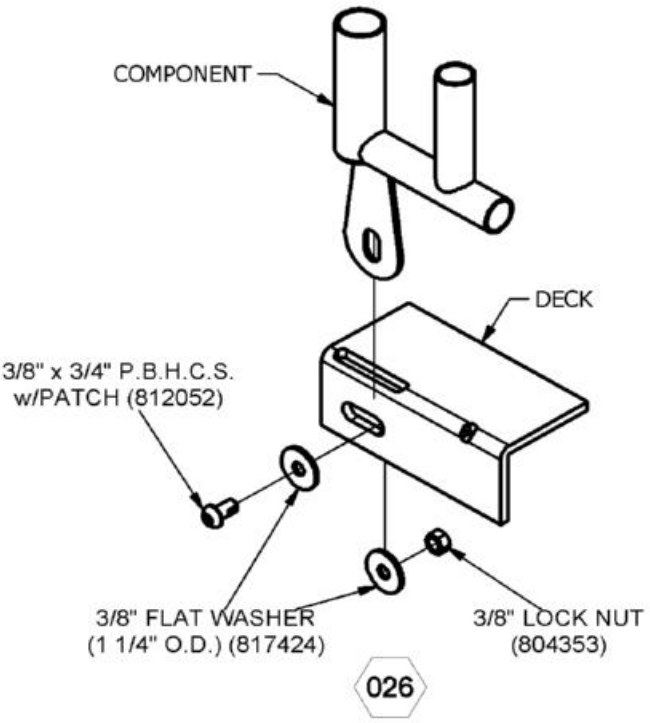


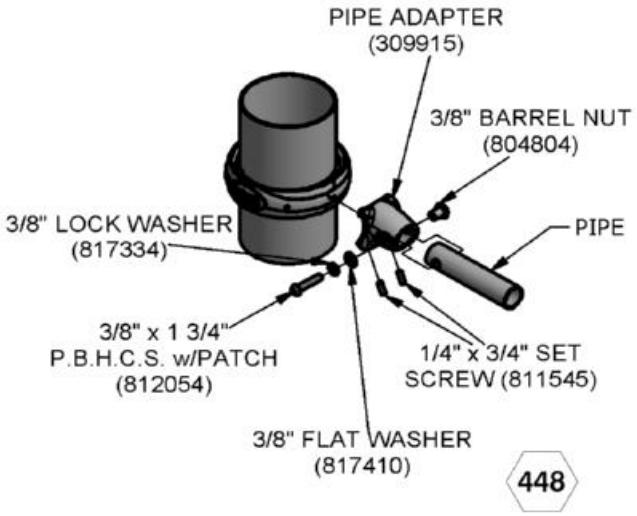

***PLAN VIEW***




***ELEVATION VIEW***

# 71014 Pipe Wall



SuperMax Play Systems

# 71031 RING CLAMP ASSEMBLY

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| RING CLAMP | 1 | 309911 |
| ***HARDWARE COMPLETE*** | 1 | 309998 |
| 1/4" x 1" DRIVE RIVET | 1 | 805302* |
| 1/4" x 1 1/4" P.B.H.C.S. | 1 | 812083* |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Locate uprights to receive Ring Clamp Assemblies (Refer to individual component installation sheets for clamp heights).

2. Attach Ring Clamp to upright using 1/4" x 1 1/4" PBHCS. Tighten screw only enough to hold the clamps position on the upright. Adjustment may be neccasary. See Detail 452.
**IMPORTANT:** Orientation of bolt is critical.

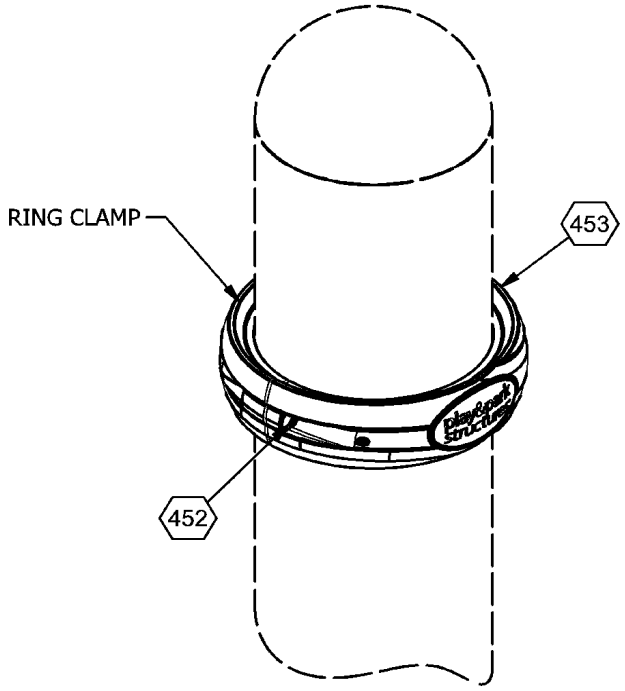
3. Install required components to the attaching to the Ring Clamp. See Top View and Seperate component installation sheets.

4. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. A 1/4" diameter hole must be drilled into the clamp and upright to receive drive rivet. Use Pre-determined drill points on ring clamp. See Detail 453. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp 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*.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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

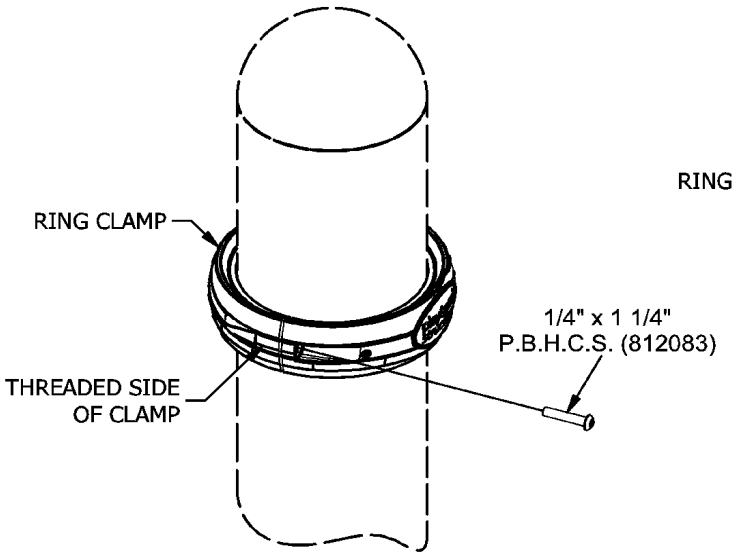
UPRIGHT AND CAP
SOLD SEPERATELY




***FINISHED ASSEMBLY***

⬡ = INSTALLATION DETAIL

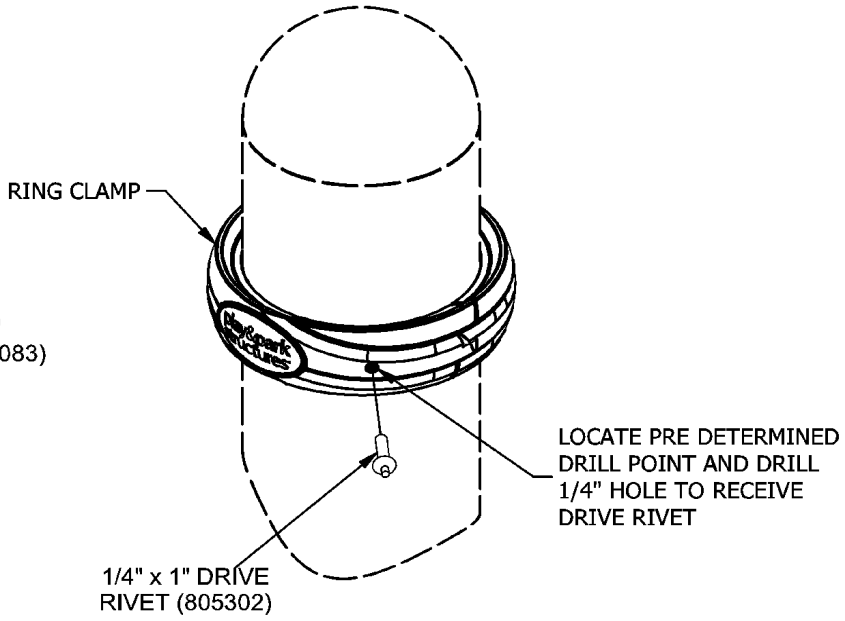
# 71031 RING CLAMP ASSEMBLY




NOTE: THE USE OF LOCTITE IS IMPORTANT.

**IMPORTANT:** ORIENTATION OF BOLT IS CRITICAL.

452




453

# 71145 Vertical Ladder

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | VERTICAL LADDER | 1 | 310098 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 310099 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" LOCKWASHER | 2 | 817334 |
| | 3/8" BARREL NUT | 2 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Locate the Posts intended to receive the Vertical Ladder. Dig footings as shown in the Plan View. Refer to your overhead drawing for location.

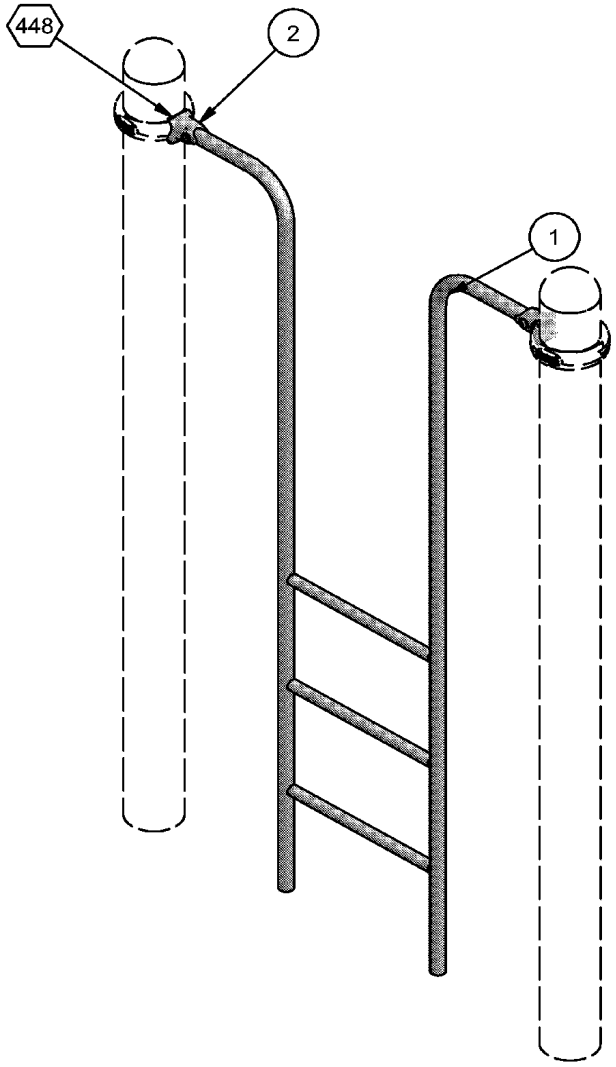
2. Attach (2) Ring Clamps to the Upright Post at height noted in Elevation View. See Ring Clamp Installation Sheet. Then attach the Vertical Ladder to the Ring Clamps as shown in Detail 448. (NOTE: The Vertical Ladder should be positioned so that the first rung is approximately 11" above the ground level).

3. Plumb, level and brace in position the Vertical Ladder and fully tighten all fasteners. Pour concrete footing within 4" to the top and taper away from post to allow water drainage. Allow to cure at least 48 hours before use.

4. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc Install resilient surfacing material within the use zone of play structure, in accordance with ASTM specification F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

***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 or paint loss and touch-up if necessary with paint. Check 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.

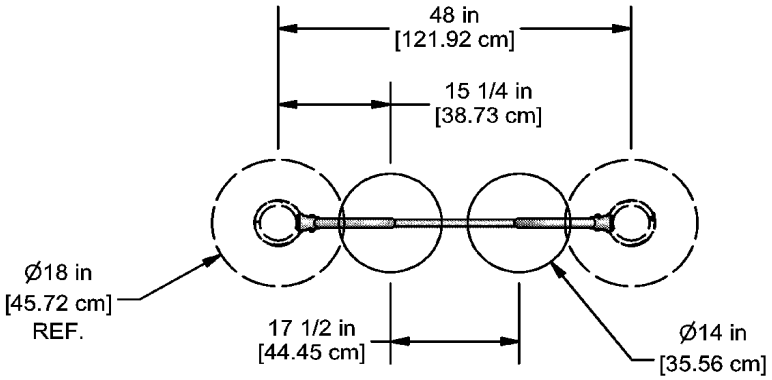
# 71145 Vertical Ladder




***FINISHED ASSEMBLY***

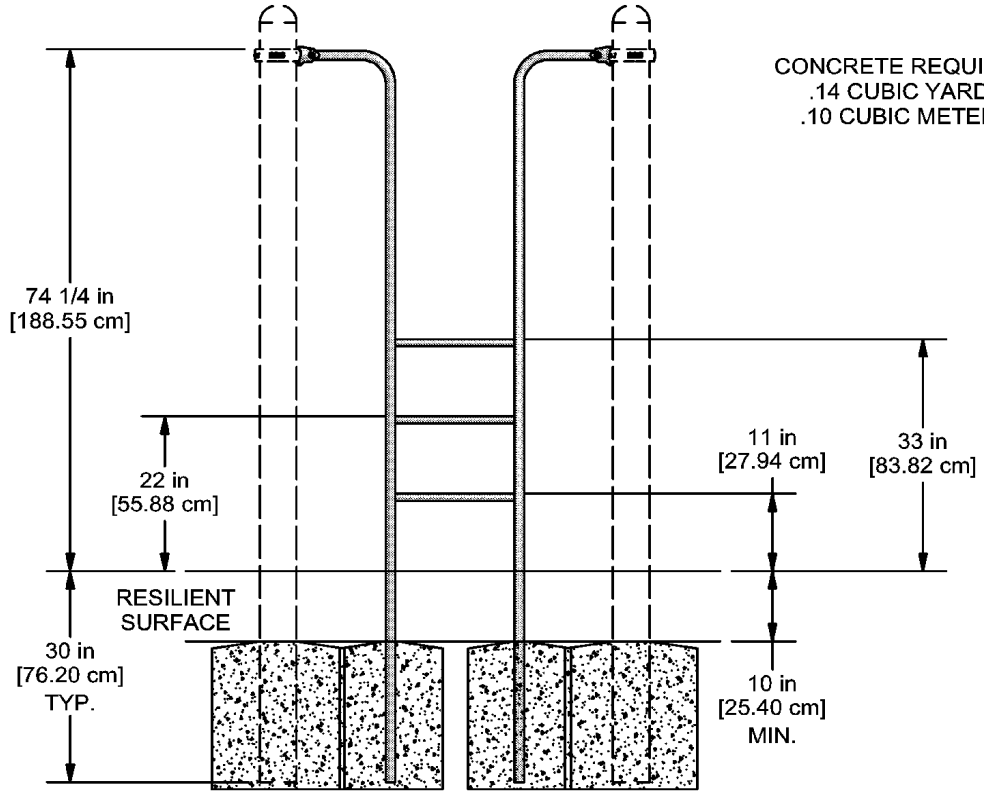
⬡ = INSTALLATION DETAIL

# 71145 Vertical Ladder



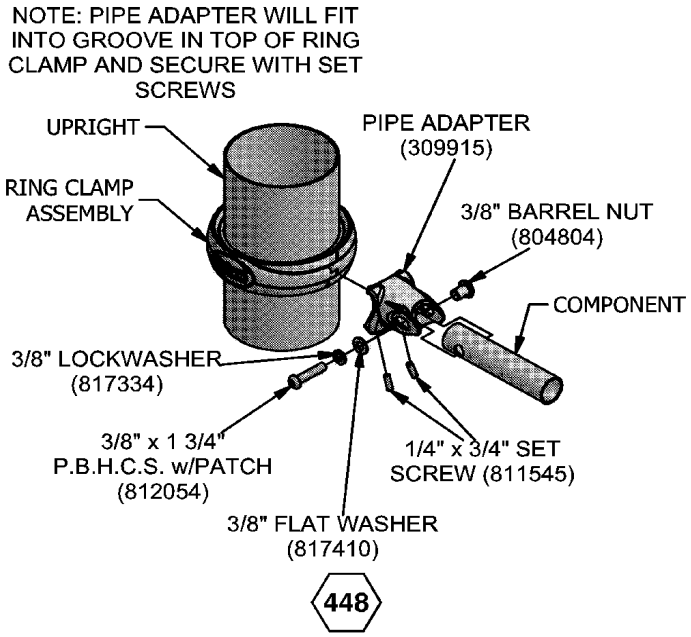

***PLAN VIEW***

UPRIGHTS
SOLD
SEPERATELY




***ELEVATION VIEW***

# 71145 Vertical Ladder



SuperMax Play Systems

# 71151 Music Panel

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | CHIME PANEL | 1 | 310184 |
| 2 | BOTTOM OUTER PANEL | 2 | 309877 |
| 3 | BOTTOM INNER PANEL | 2 | 309878 |
| 4 | TOP INNER PANEL | 2 | 309876 |
| 5 | TOP OUTER PANEL | 2 | 309879 |
| 6 | CHIME PIPE 16 1/2" LG. | 1 | 308865 |
| 7 | CHIME PIPE 17 1/2" LG. | 1 | 308867 |
| 8 | CHIME PIPE 18 1/2" LG. | 1 | 308869 |
| 9 | CHIME PIPE 19 1/2" LG. | 1 | 308871 |
| 10 | CHIME PIPE 20 1/2" LG. | 1 | 308873 |
| 11 | CHIME PIPE 21 1/2" LG. | 1 | 308875 |
| 12 | CHIME PIPE 22 1/2" LG. | 1 | 308877 |
| 13 | CHIME PIPE 23 1/2" LG. | 1 | 308879 |
| 14 | PANEL ADAPTER | 4 | 309919 |
| | -----HARDWARE COMPLETE----- | 1 | 310183 |
| | 6" LANYARD | 8 | 300028 |
| | 12" LANYARD | 8 | 300029 |
| | 3/8" FLAT WASHER | 16 | 817410 |
| | 3/8" x 3 3/4" P.B.H.C.S. w/PATCH | 12 | 812076 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 12 | 812053 |
| | 3/8" x 1/2" P.B.H.C.S. w/PATCH | 8 | 812049 |
| | 3/8" BARREL NUT | 16 | 804804 |
| | 3/8" LOCKWASHER | 8 | 817334 |
| | 3/8" T-NUT | 8 | 804556 |
| | 3/8" HEX NUT | 8 | 804053 |
| | 1/4" x 3/4" SET SCREW | 8 | 811545 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 71151 Music Panel

***INSTALLATION INSTRUCTIONS:***

1. Attach 3/8" x 1/2" P.B.H.C.S. w/Patch and 3/8" Hex Nut to one end of each 12" lanyard. As shown in Detail 331.
2. Starting with shortest chime pipe. Loop 6" Lanyard thru hanging hole in Chime Panel. Attahc chime pipe to the loops of the 6" Lanyard using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" T-nut (Note: Loops of the 6" Lanyard to be on the insode of the chime pipe). The 3/8" x 1 1/2" P.B.H.C.S. will pass thru the open end of the 12" Lanyard. The 12" Lanyard should hang freely inside of the pipe. Repeat for all chime pipes..
3. Attach all bracing panels as shown in Detail 332.
4. Attach Ring Clamps at locations shown in Elevation Views. See Ring Clamp Installation Sheet.
5. Attach Assembled Music Panel to Ring Clamps using Panel Adapter as shown in Detail 467.

**Note:** Panels should be positioned so that the top of each panel is at least 38" above the deck surface. If a conflict exists between a panel clamp and an adjacent component's clamp, adjust the panel upward (Never lower than 38" above deck) without exceeding a maximum gap of 3-1/2" between the lower end of the panel and the top edge of the deck.

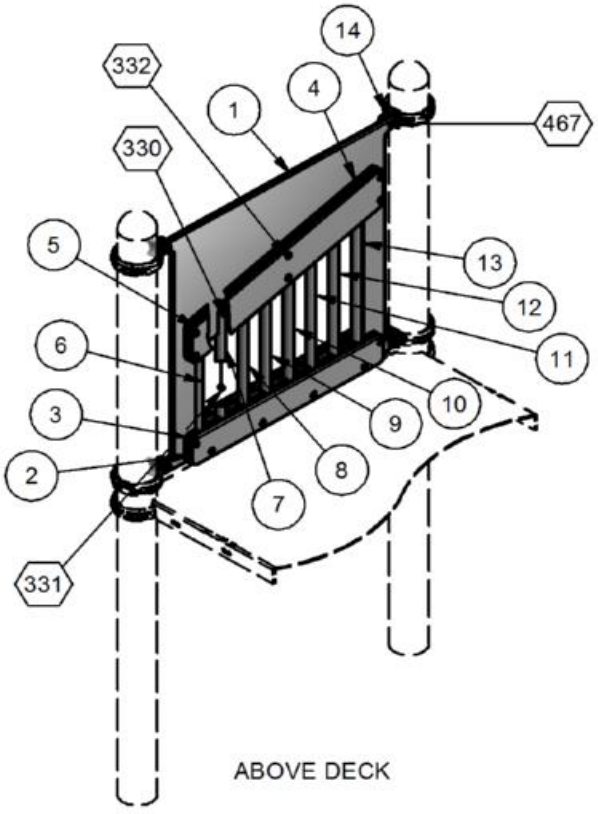
***IMPORTANT! Avoid creating any Gaps between the components, which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points, which can trap a child and cause injury.***

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Panel Clamps sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

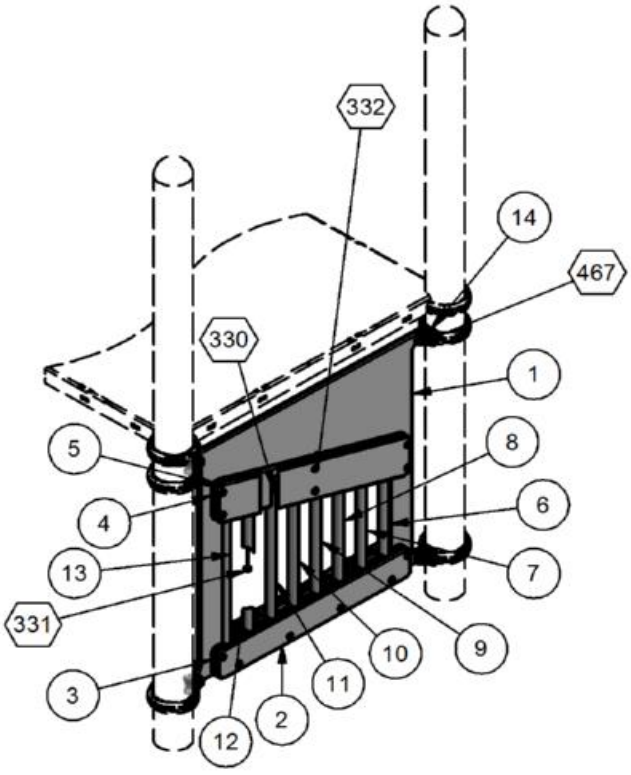
**MAINTENANCE PROCEDURE**:

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. Also Check all metal parts for rust, paint peeling and touch-up if necessary with paint. Check for welded areas and verify integrity. Check for cracks, gouges or breakage on plastic, check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specified on ASTM F1487-98 section 6. 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.

# 71151 Music Panel




ABOVE DECK

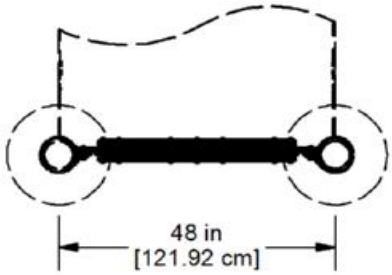



***FINISHED ASSEMBLY***

BELOW DECK

⬡ = INSTALLATION DETAIL

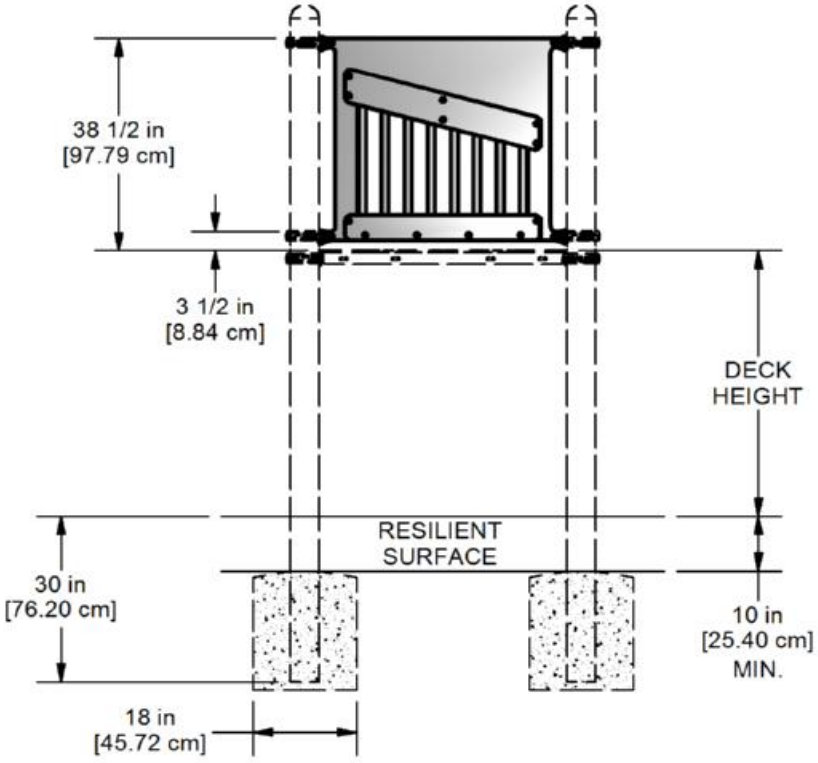
# 71151 Music Panel




***PLAN VIEW***

NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

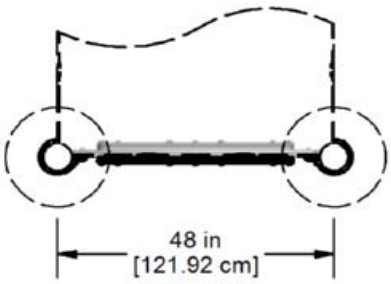
TOP EDGE OF PANEL MUST BE 29"[736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.




***ELEVATION VIEW***

ABOVE DECK
SHOWN

# 71151 Music Panel

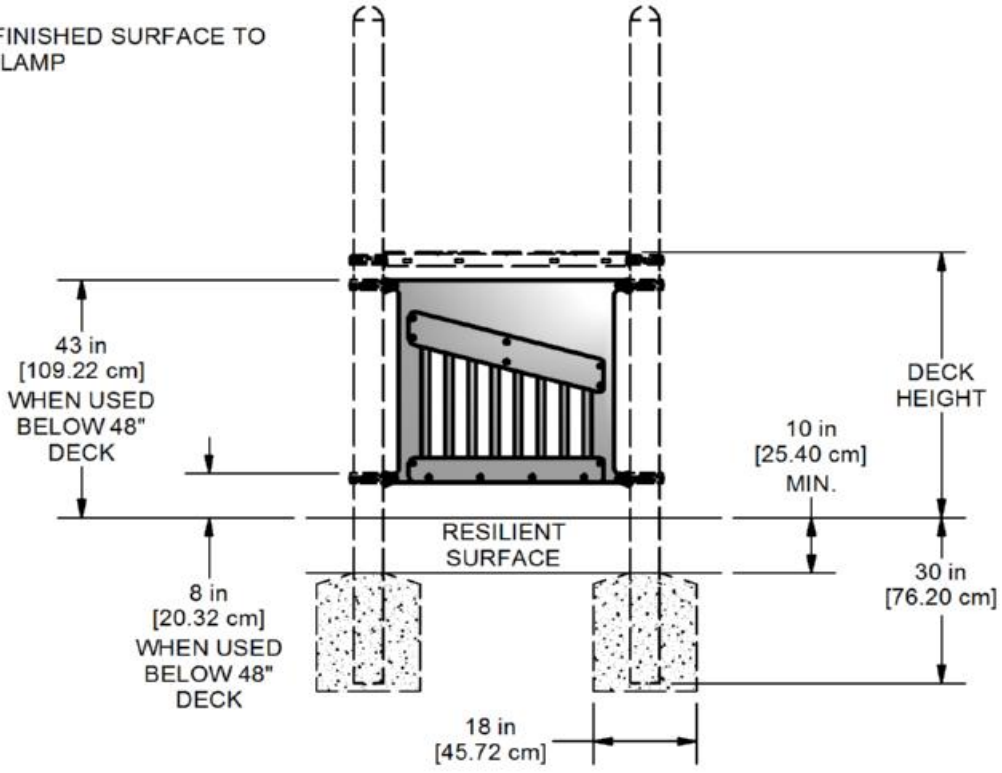



***PLAN VIEW***

CLAMP HEIGHT LOCATIONS WHEN USED UNDER ANY DECK HEIGHT EXCEPT 48" SHALL BE:

3 1/2" [8.89cm] FINISHED SURFACE TO TOP OF LOWER CLAMP

38 1/2" [97.79cm] FINISHED SURFACE TO TOP OF UPPER CLAMP



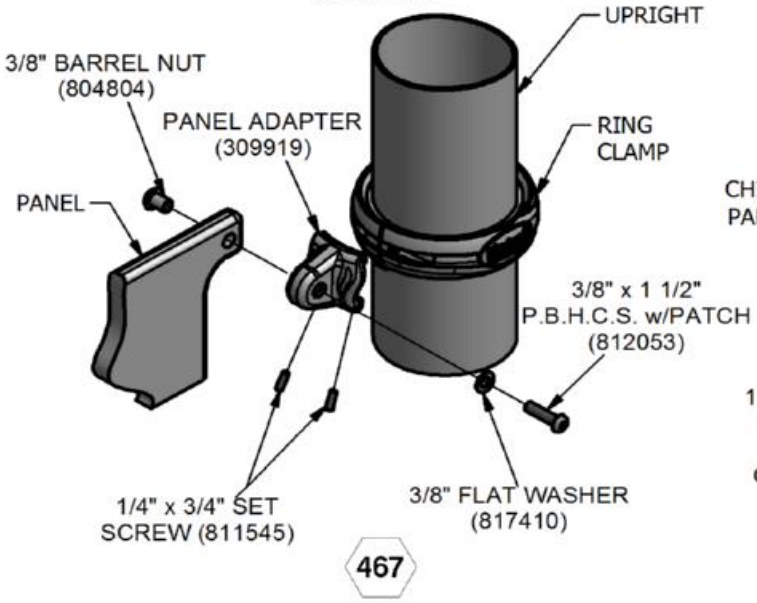

***ELEVATION VIEW***

BELOW DECK SHOWN

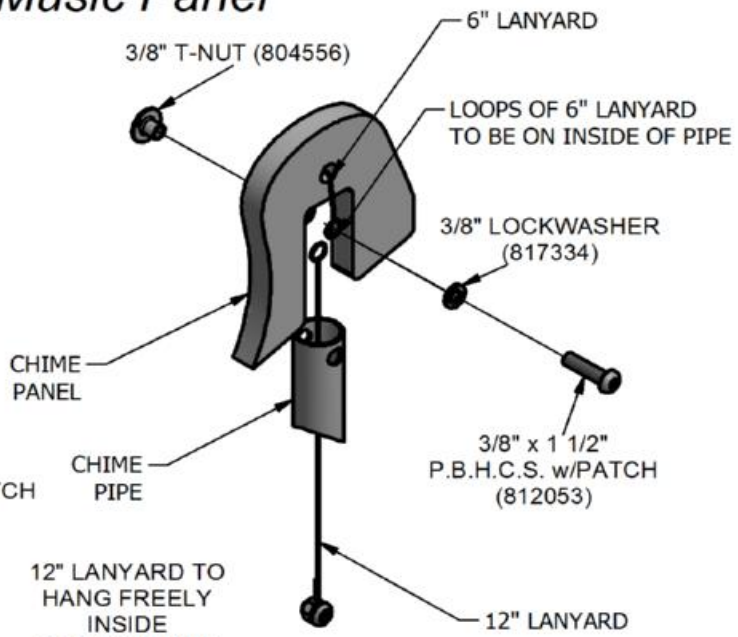
# 71151 Music Panel

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

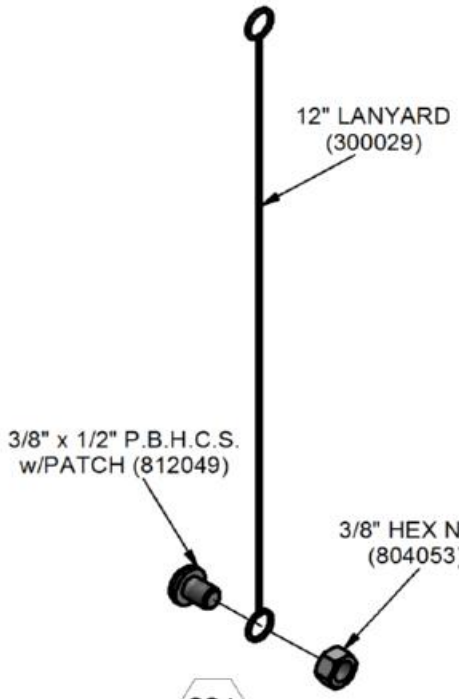
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



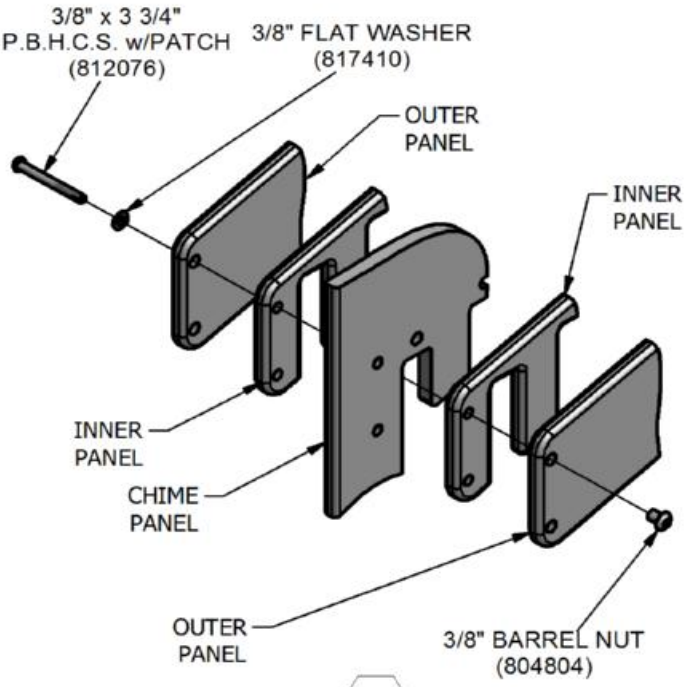

467




330




331




332

SuperMax Play Systems

# 8' Horizontal Loop Ladder - Attachment
# 71159 (0'-8", 1'-0", & 1'-4"); 71160 (2'-0"); 71161 (2'-8")

| Parts List | | | | | |
|---|---|---|---|---|---|
| ITEM | DESCRIPTION | 71159 | 71160 | 71161 | PART NUMBER |
| 1 | 8' HORIZONTAL LOOP LADDER | 1 | 1 | 1 | 310113 |
| 2 | VERTICAL LADDER | 1 | 0 | 0 | 310117 |
| 2 | VERTICAL LADDER | 0 | 1 | 0 | 310120 |
| 2 | VERTICAL LADDER | 0 | 0 | 1 | 310123 |
| 3 | PIPE ADAPTER | 6 | 6 | 6 | 309915 |
| | ------HARDWARE COMPLETE------ | 1 | 1 | 1 | 310125 |
| | 1/4" x 3/4" SET SCREW | 12 | 12 | 12 | 811545 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 6 | 6 | 6 | 812054 |
| | 3/8" FLAT WASHER | 6 | 6 | 6 | 817410 |
| | 3/8" LOCKWASHER | 6 | 6 | 6 | 817334 |
| | 3/8" BARREL NUT | 6 | 6 | 6 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which four uprights are to receive the 8' Horizontal Loop Ladder. Refer to your Top View drawing for location. Dig footings at location and depth as shown.

2. Mark positions of Ring Clamps on the Upright Posts at desired height. Maximum clamp height over the deck should be 59". HORIZONTAL LADDER SHOULD NOT BE ATTACHED TO ANY DECK WHICH IS HIGHER THAN 32" FOR 5-12 YEARS-OLD OR 16" FOR 2-5 YEARS-OLD.

3. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

4. To attach the Vertical Ladder: Slip Pipe Adapters over Vertical Ladder attachment pipes, then, placing Vertical Ladder legs into dug holes, hook Pipe Adapters onto Ring Clamps. Attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Vertical Ladder using 3/8" x 1-3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448. Note: For 0'-8" & 1'-0" deck heights use 1'-4" Vertical Ladder, cut 8" off of legs for 0'-8" deck height and cut 4" off legs for 1'-0" deck height.

5. To attach the Horizontal Loop Ladder: Slip Pipe Adapters over the 8' Horizontal Loop Ladder attachment pipes and attach using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

6. Then, with sufficient manpower, lift the entire assembly into position and hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Provide vertical support to prevent the Ring Clamps from sliding down the upright posts.

# 8' Horizontal Loop Ladder - Attachment
# 71159 (0'-8", 1'-0", & 1'-4"); 71160 (2'-0"); 71161 (2'-8")

7. When the entire assembly is plumb and level, tighten all fasteners. Pour concrete footings within 4" of the top and taper away from posts for water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

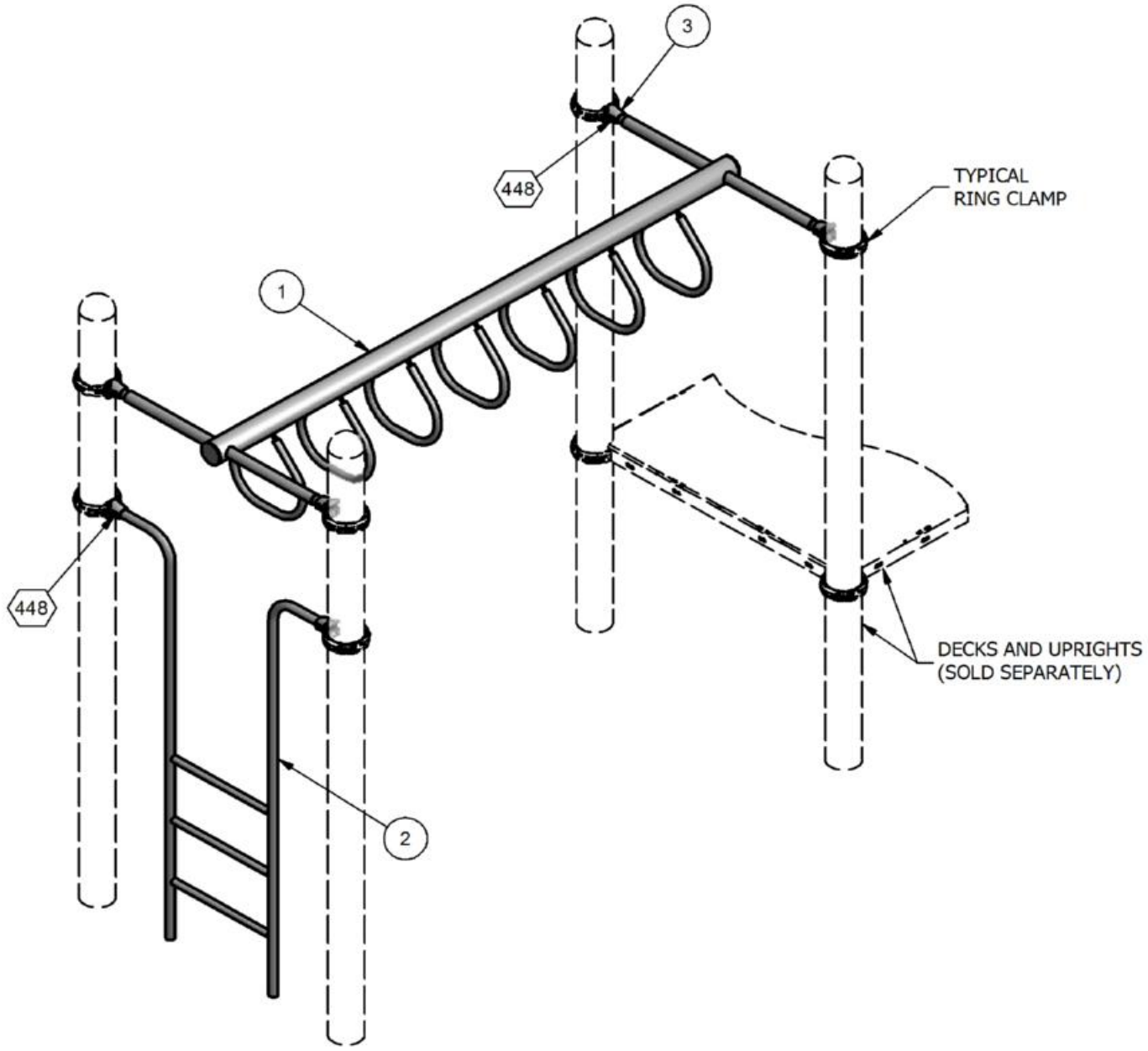
8. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also, eliminate sharp points and sharp 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: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

# 8' Horizontal Loop Ladder - Attachment
## 71159 (0'-8", 1'-0", & 1'-4"); 71160 (2'-0"); 71161 (2'-8")

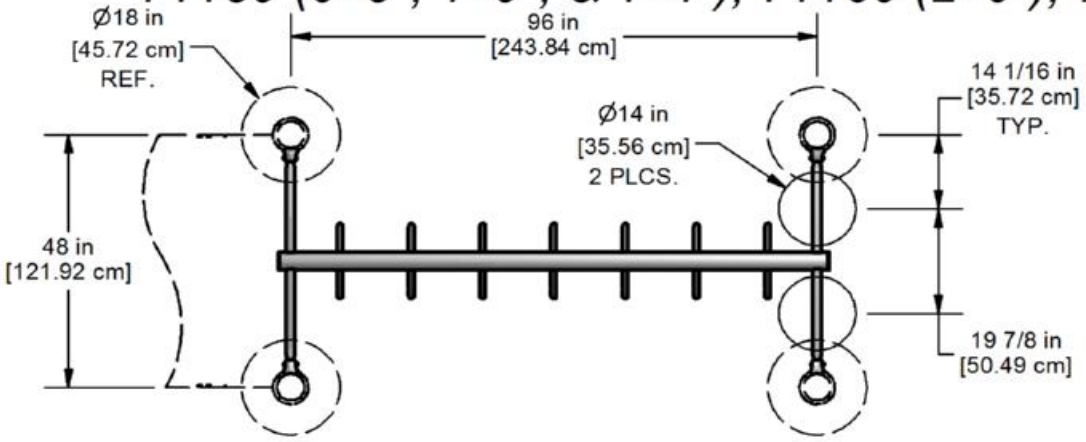



⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***
71161 SHOWN

Issued/Revised: 6/18/2010

# 8' Horizontal Loop Ladder - Attachment
## 71159 (0'-8", 1'-0", & 1'-4"); 71160 (2'-0"); 71161 (2'-8")

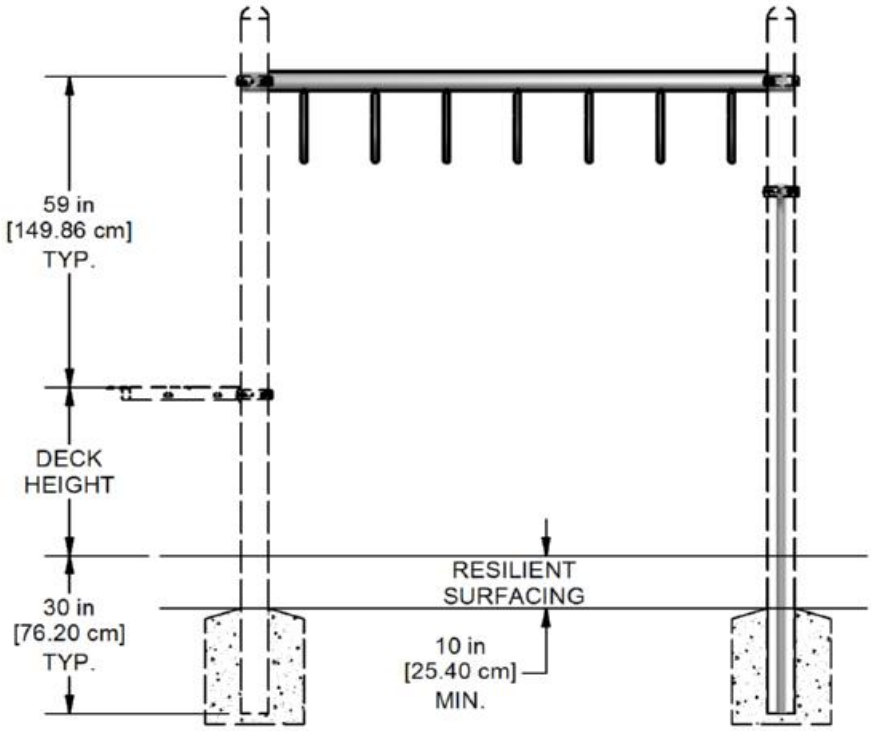


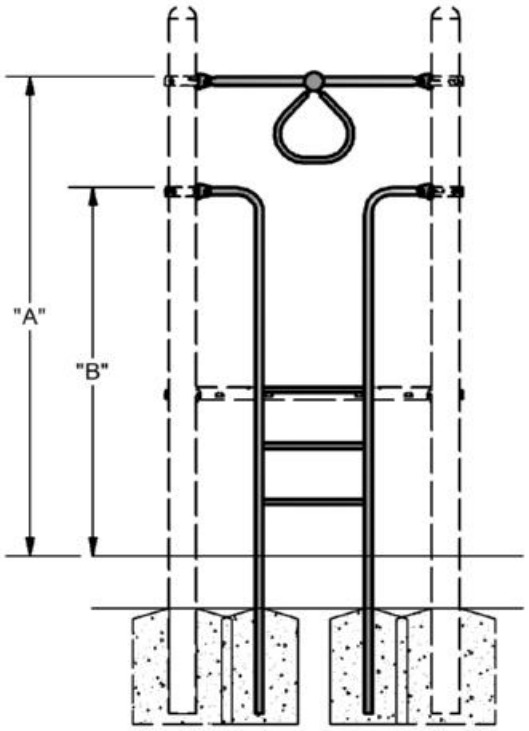

***PLAN VIEW***

CONCRETE REQUIRED
0.14 CUBIC YARDS
[0.10 CUBIC METERS]

NOTE: If overhead component is to be installed at an 0'-8" or 1'-0" deck height, use 1'-4" Vertical Ladder and cut 8" off legs for 0'-8" deck or cut 4" off legs for 1'-0" deck.

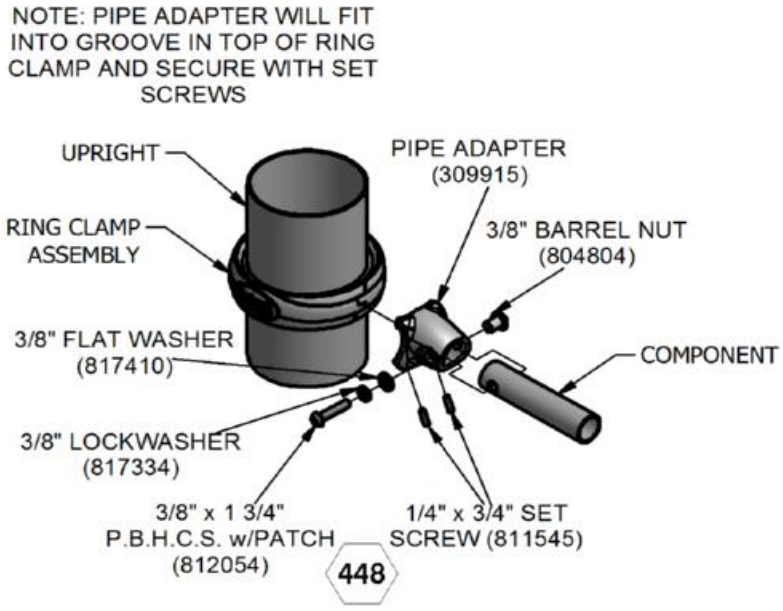
| Dimension Table | | | |
|---|---|---|---|
| Product | Deck Height | Dim "A" | Dim "B" |
| 71159 | 0'-8" | 67" [170.18cm] | 46 1/16" [117.04cm] |
| 71159 | 1'-0" | 71" [180.34cm] | 50 1/16" [127.20cm] |
| 71159 | 1'-4" | 75" [190.50cm] | 54 1/16" [137.36cm] |
| 71160 | 2'-0" | 83" [210.82cm] | 62 1/16" [157.68cm] |
| 71161 | 2'-8" | 91" [231.14cm] | 70 1/16" [178.03cm] |




***ELEVATION VIEWS***

# 8' Horizontal Loop Ladder - Attachment
# 71159 (0'-8", 1'-0", & 1'-4"); 71160 (2'-0"); 71161 (2'-8")



SuperMax Play Systems

# 71329 Stratascend Climber

| Parts List | | |
|---|---|---|
| DESCRIPTION | 71329 | PART NUMBER |
| STRATASCEND CLIMBER | 1 | 309292 |
| BOTTOM SUPPORT PIPE | 1 | 309744 |
| MIDDLE SUPPORT PIPE | 1 | 309742 |
| DECK PLATE | 1 | 309751 |
| U-HANDLE ASSEMBLY | 2 | 310446 |
| RING HALF CLAMP | 4 | 309913 |
| EXTENSION PIPE | 3 | 309046 |
| MOUNTING PLATE | 3 | 309279 |
| ***HARDWARE COMPLETE*** | 1 | 310474 |
| RUBBER PAD | 3 | 309010 |
| PLASTIC WASHER | 9 | 304073 |
| PLASTIC CAP | 9 | 304074 |
| 1/4" x 1" DRIVE RIVET | 4 | 805302 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 5 | 812050 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 8 | 812051 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 9 | 812054 |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 3 | 812058 |
| 3/8" FLAT WASHER | 23 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 20 | 817424 |
| 3/8" BARREL NUT | 3 | 804804 |
| 3/8" HEAVY HEX NUT | 8 | 804200 |
| 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 71329 Stratascend Climber

## ***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Stratascend, refer to your overhead drawing for location. Dig footings at location and depth as shown.

2. Mark position of Clamps on Upright Post.

3. Attach U-Handle to Upright Post using Half Ring Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.), and 3/8" Heavy Hex Nut as shown in Detail 475.

4. Attach the Deck Plate to the holes on the side of the deck using 3/8" x 1" P.B.H.C.S. with Patch, 3/8" Flat Washers (1 1/4" O.D.), and 3/8" Lock Nuts as shown in Detail 318.

5. Attach the Extension Pipe to Mounting Plate using 3/8" x 1" P.B.H.C.S. w/Patch, and 3/8" Flat Washer. See Detail 360. ***Important:*** *Tabs on Extension Pipe must be aligned in the same direction along the length of the Stratascend.*

6. Attach Rubber Pad to Mounting Plate using Plastic Cap, 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer and Plastic Washer. See Detail 360.

7. Attach Stratascend to Deck Plate, Middle Support and Bottom Support Pipe using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 361. ***Important:*** *If installing on a deck height of 32" cut 4 ½" off the bottom of the Middle Support Pipe or dig the hole 4 ½" deeper.*

8. When the Stratascend is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

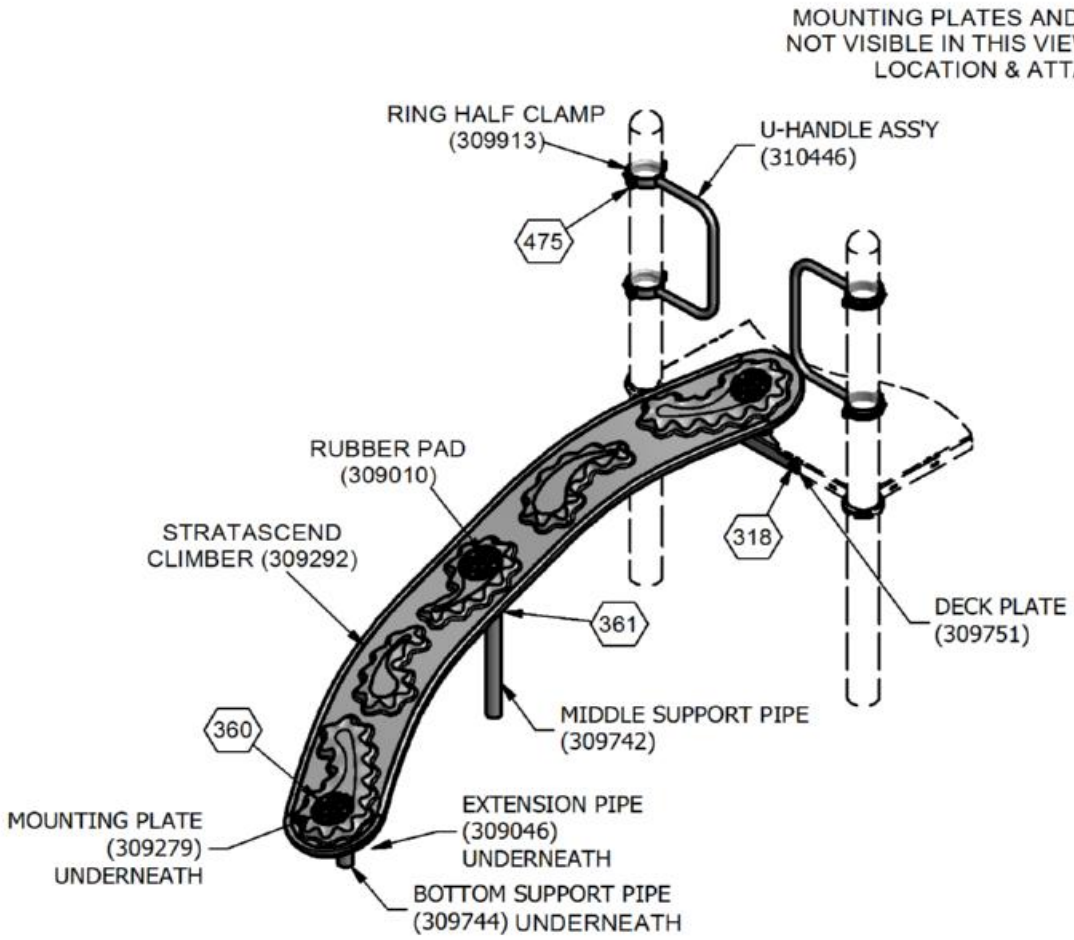
9. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

# 71329 Stratascend Climber

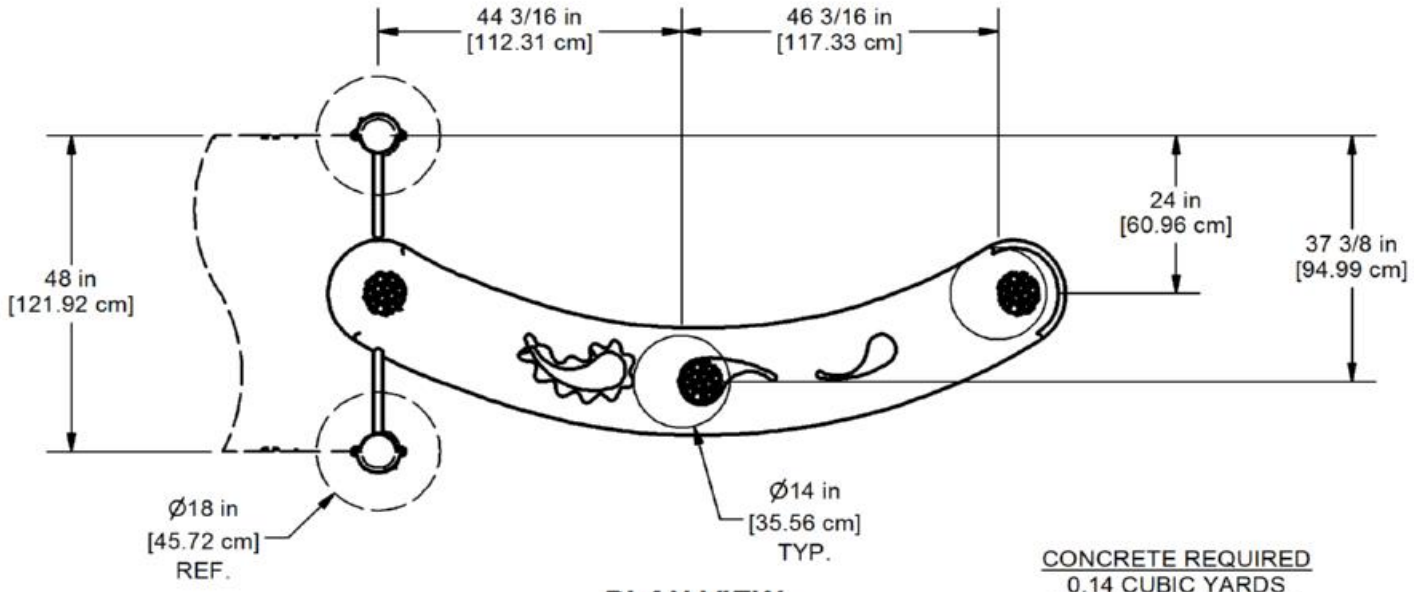



DECKS AND UPRIGHTS
(SOLD SEPERATELY)

⬡ = INSTALLATION DETAIL

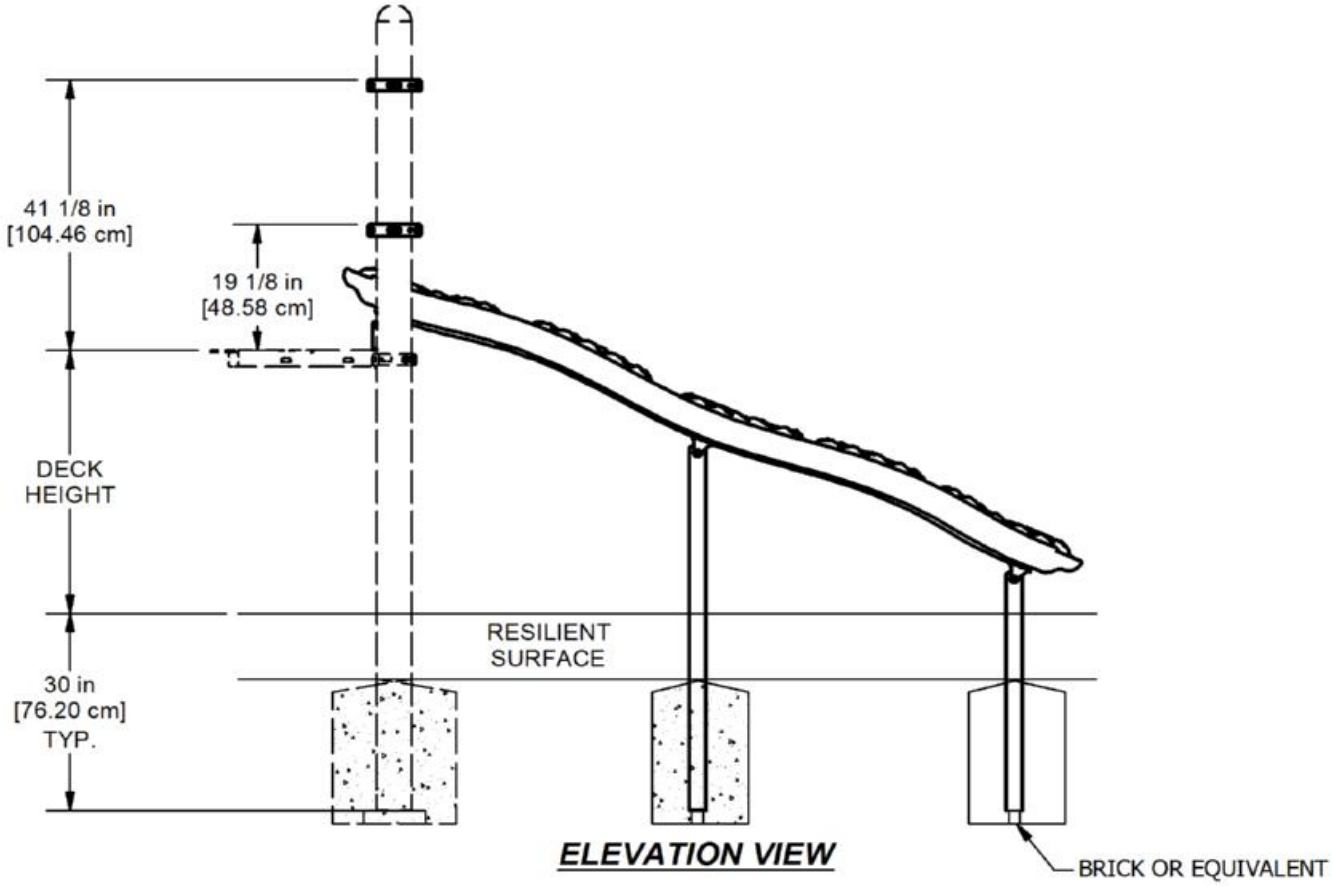
***FINISHED ASSEMBLIES***

# 71329 Stratascend Climber



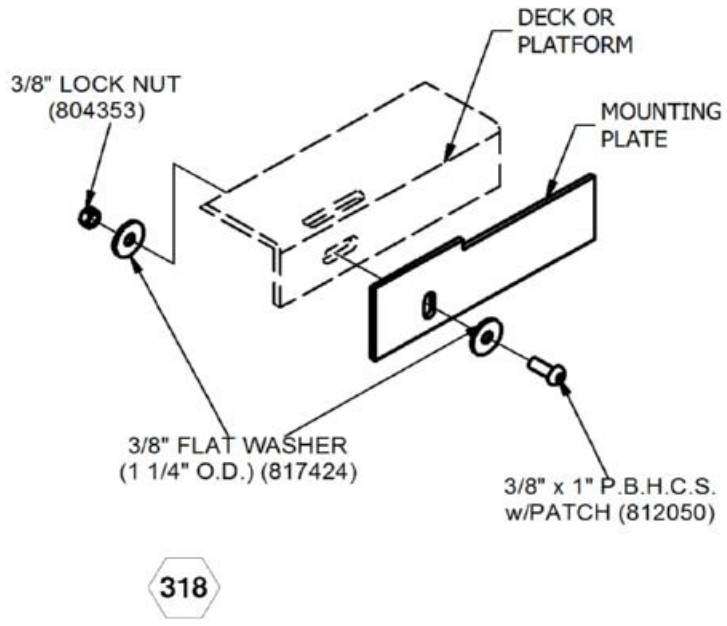

***PLAN VIEW***

CONCRETE REQUIRED
0.14 CUBIC YARDS
[0.10 CUBIC METERS]

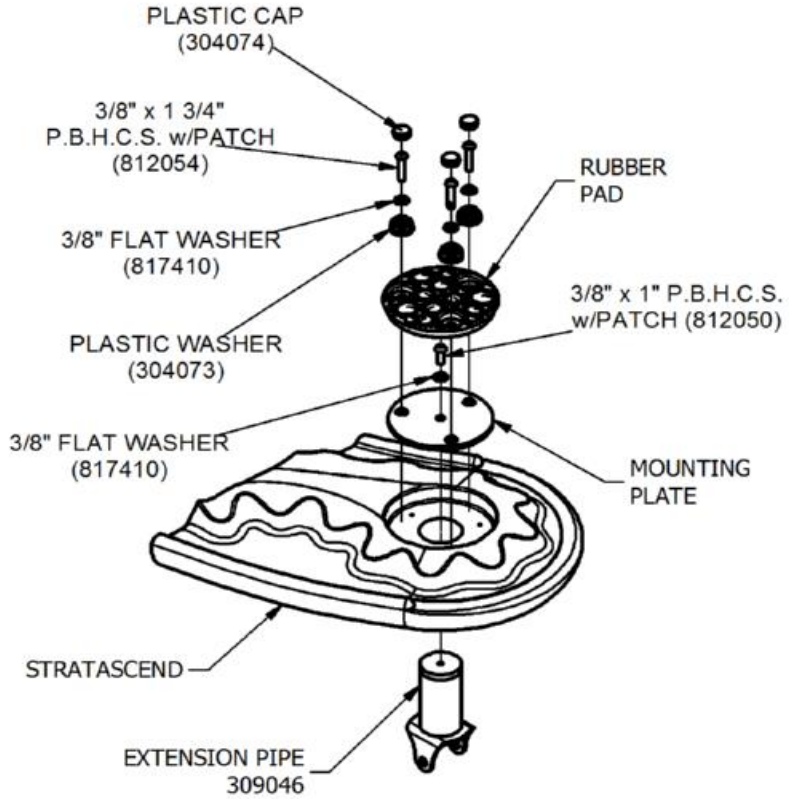



***ELEVATION VIEW***

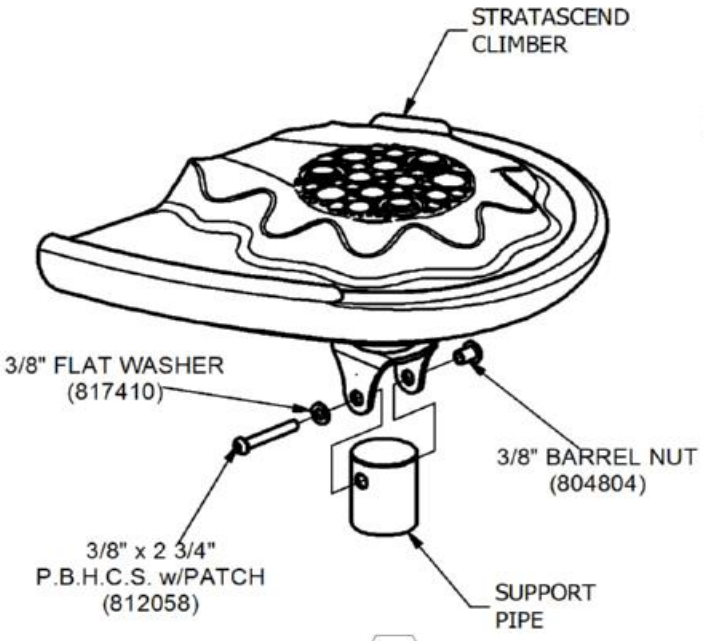
# 71329 Stratascend Climber



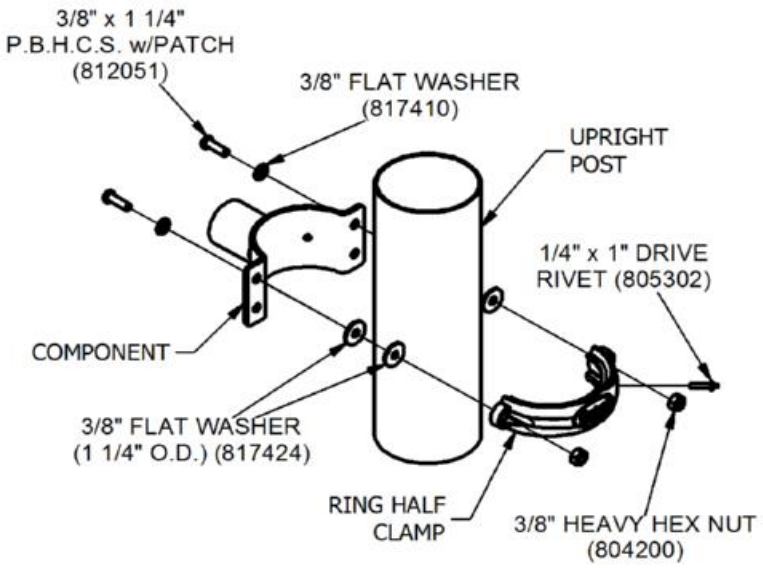

318




360




361




475

SuperMax Play Systems

# 71348 Seat for Two and Table

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | SEAT SUPPORT BEAM | 1 | 302373 |
| 2 | TABLE SUPPORT POST | 1 | 302378 |
| 3 | SEAT PANEL | 1 | 302366 |
| 4 | 22" ROUND TABLE PANEL | 1 | 302361 |
| 5 | RING HALF CLAMP | 2 | 309913 |
| | -----HARDWARE COMPLETE----- | 1 | 310580 |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 8 | 812052 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| | 3/8" FLAT WASHER | 12 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" BARREL NUT | 8 | 804804 |
| | 3/8" HEAVY HEX NUT | 4 | 804200 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which uprights are to receive the Seat for Two and Table, refer to your overhead drawing for location. Dig footings at location and depth as shown.

2. Attach Seat Support Beam to Seat Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 517. Note: Counterbore holes are to be turned upwards to receive Barrel Nuts.

3. Fasten Seat Assembly to Upright Posts using Ring Half Clamps, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Heavy Hex Nuts as shown in Detail 475.

4. Attach Table Support Post to Table Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 517. Note: Counterbore holes are to be turned upwards to receive Barrel Nuts.

5. Place Table Support Post in dug hole, bracing it in the vertical position.

6. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

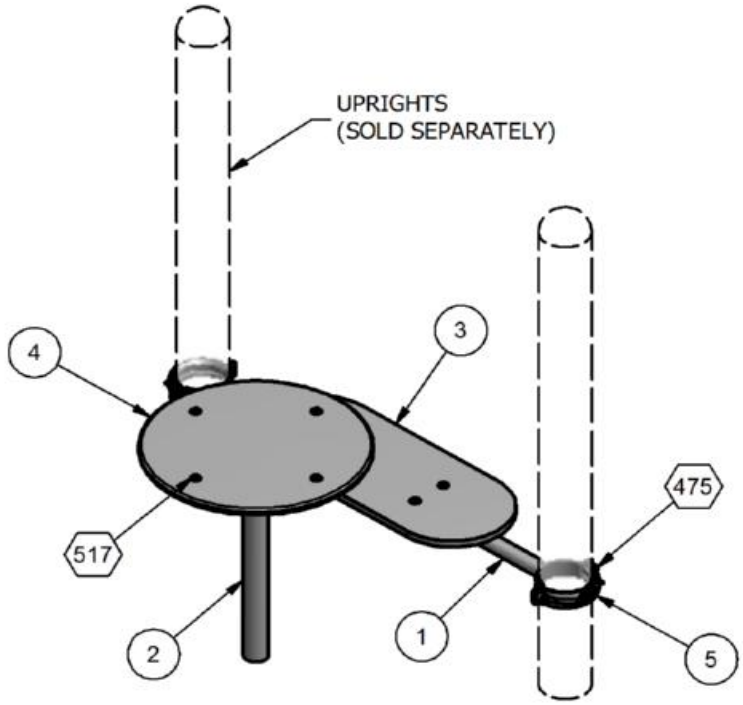
# 71348 Seat for Two and Table

7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

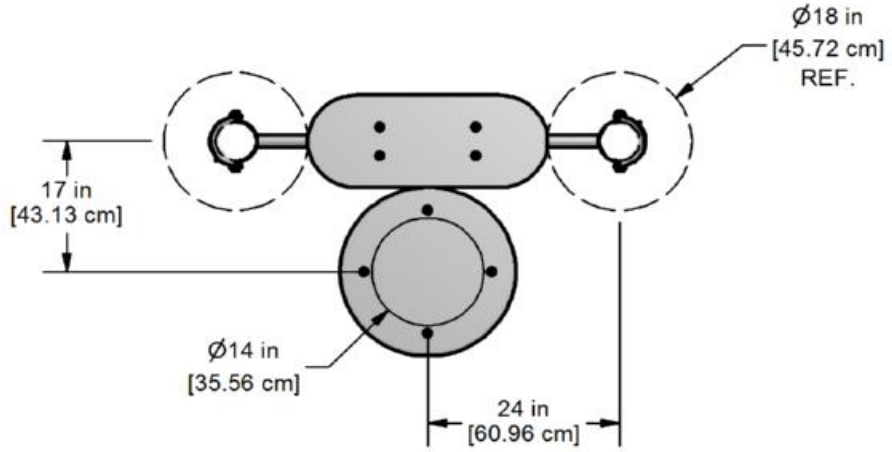
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.



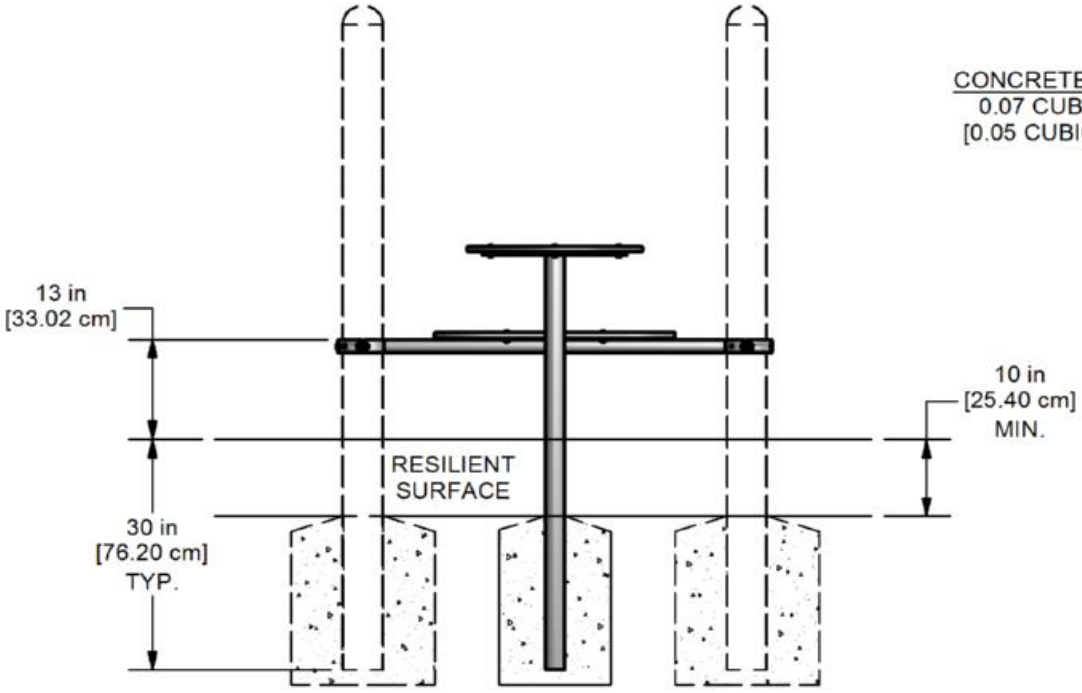

= INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71348 Seat for Two and Table

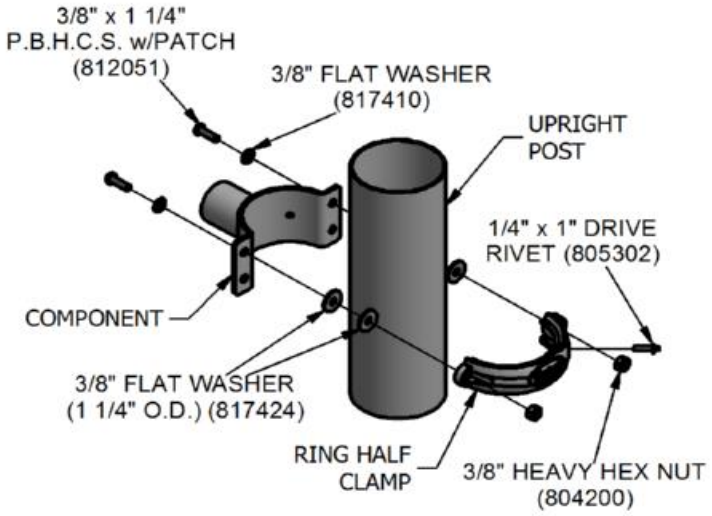



***PLAN VIEW***

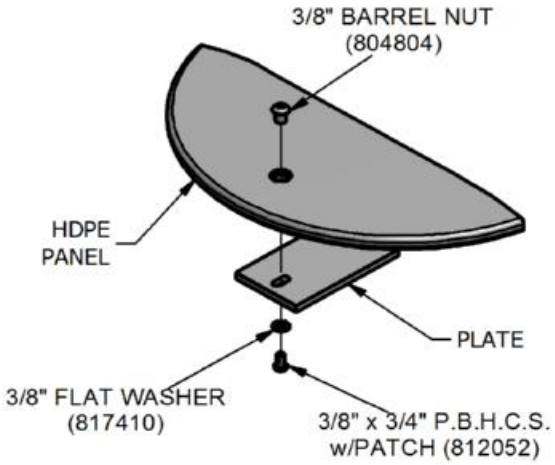



***ELEVATION VIEW***

# 71348 Seat for Two and Table




475




517

# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")

| Parts List | | | | | |
|---|---|---|---|---|---|
| ITEM | DESCRIPTION | 71461 | 71462 | 71463 | PART NUMBER |
| 1 | ATTACHMENT RAIL | 2 | 2 | 2 | 312672 |
| 2 | STAIRS (1'-4" RISE) | 1 | 0 | 0 | 307252 |
| 2 | STAIRS (2'-0" RISE) | 0 | 1 | 0 | 307274 |
| 2 | STAIRS (2'-8" RISE) | 0 | 0 | 1 | 307281 |
| 3 | HANDRAIL | 2 | 0 | 0 | 312656 |
| 3 | HANDRAIL | 0 | 2 | 0 | 312659 |
| 3 | HANDRAIL | 0 | 0 | 2 | 312662 |
| 4 | PLATFORM | 1 | 1 | 1 | 312645 |
| 5 | UPRIGHT ASS'Y | 1 | 1 | 1 | 160662 |
| 6 | SMASHED PIPE | 2 | 2 | 2 | 311002 |
| 7 | HAND HOLD ASS'Y | 1 | 1 | 1 | 306838 |
| | PIPE ADAPTER | 2 | 2 | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 1 | 1 | 315002 |
| | 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 811545 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 5 | 5 | 5 | 812052 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 6 | 6 | 6 | 812050 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812053 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 812054 |
| | 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 1 | 1 | 1 | 812056 |
| | 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812058 |
| | 1/2" FLAT WASHER | 4 | 4 | 4 | 817412 |
| | 3/8" FLAT WASHER | 2 | 2 | 2 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 16 | 16 | 16 | 817424 |
| | 3/8" LOCKWASHER | 14 | 14 | 14 | 817334 |
| | 3/8" BARREL NUT | 2 | 2 | 2 | 804804 |
| | 3/8" LOCK NUT | 8 | 8 | 8 | 804353 |
| | 3/8" T-NUT | 12 | 12 | 12 | 804556 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Transfer Module, refer to your overhead drawing for location. Dig footing holes at location and depth shown.

# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Attach Upright Assembly to underside of Platform using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" T-Nuts as shown in Detail 247. Connect Smashed Pipes to bottom edge of the Platform Step using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nuts as shown in Detail 554.

4. Attach the Handhold to side of the Platform using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Lock Washers and 3/8" T-Nuts as shown in Detail 125.

5. Position assembly in dug holes and match holes in Stairs to holes in deck and Platform and fasten using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nuts as shown in Detail 600 and 984.

6. Attach Pipe Adapters to Attachment Rails using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washers, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 448. Be aware of orientation of Pipe Adapters as it is critical. Attach tabs at bottom of Attachment Rails to holes on side of deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nuts as shown in Detail 449. Hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448.

7. Then, placing Handrails into dug holes, Attach Handrails to side of steps using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Lock Washers, 1/2" Flat Washers, and 3/8" T-Nuts as shown in Detail 018 and attach to Attachment rails using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washers, 1/2" Flat Washers, and 3/8" T-Nuts as shown in Detail 986.

8. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

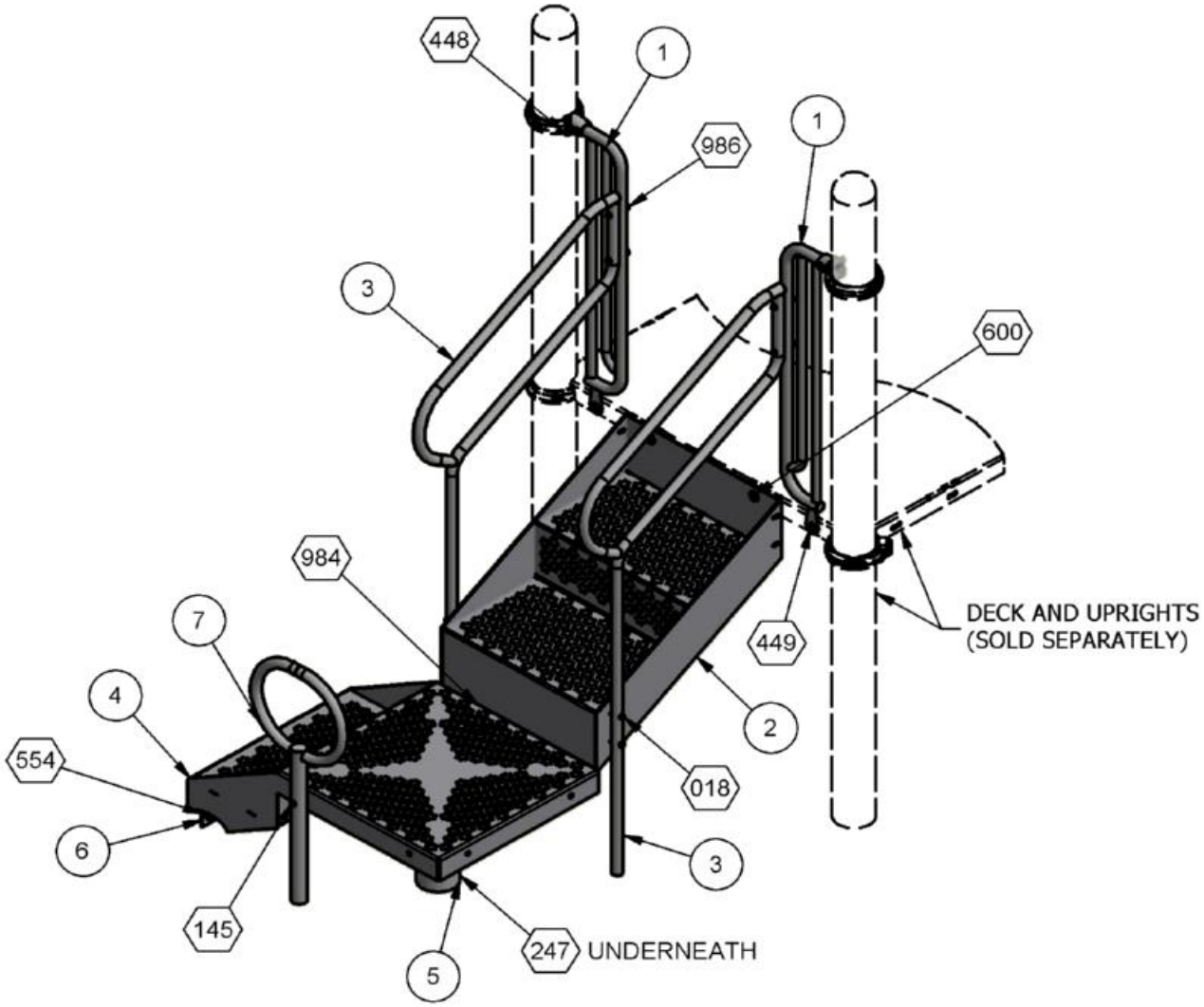
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, Park Structures strongly recommends that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")

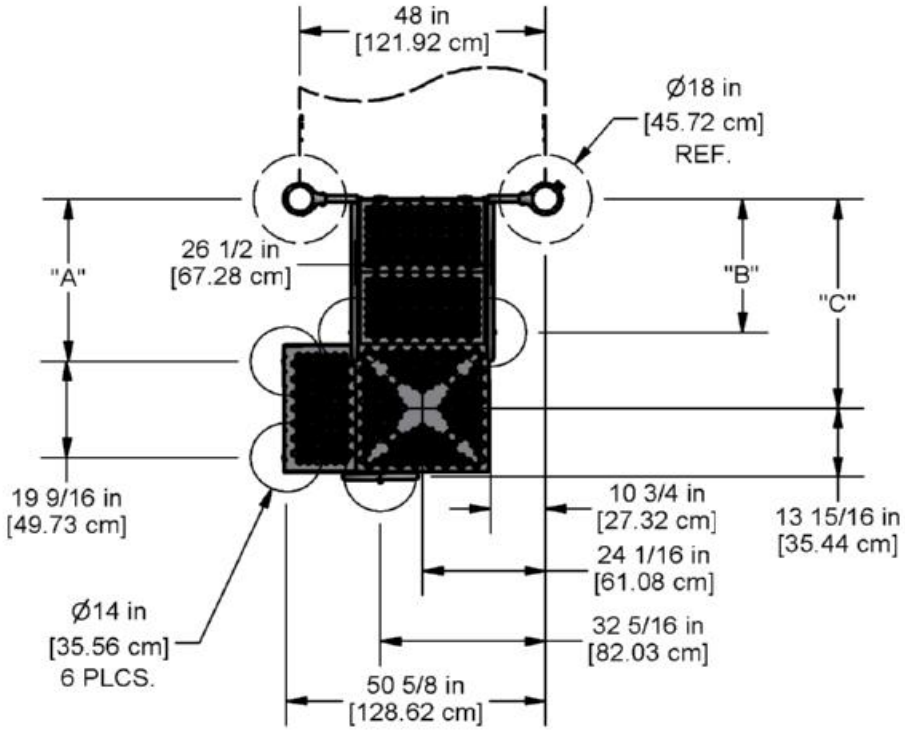



***FINISHED ASSEMBLY***
*71462 SHOWN*

⬡ = INSTALLATION DETAIL

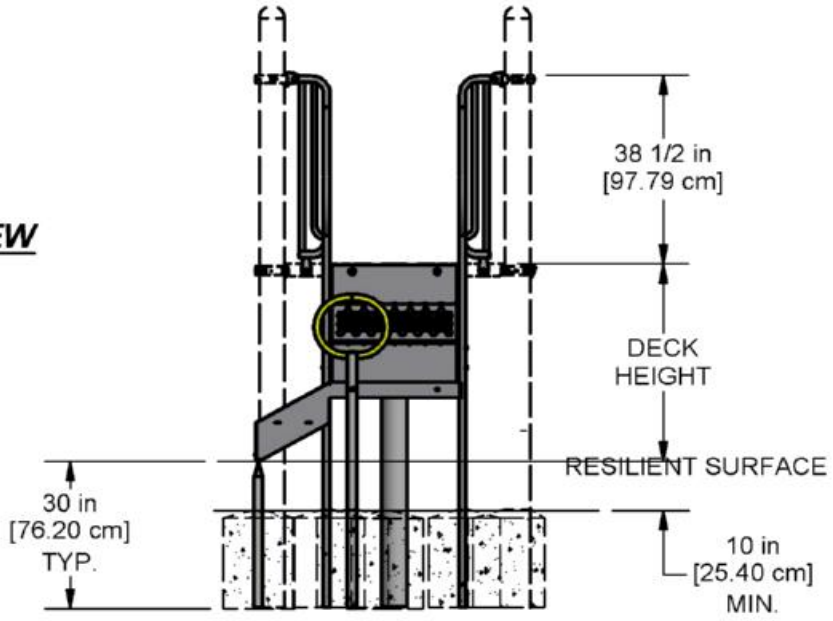
# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")

## PLAN VIEW

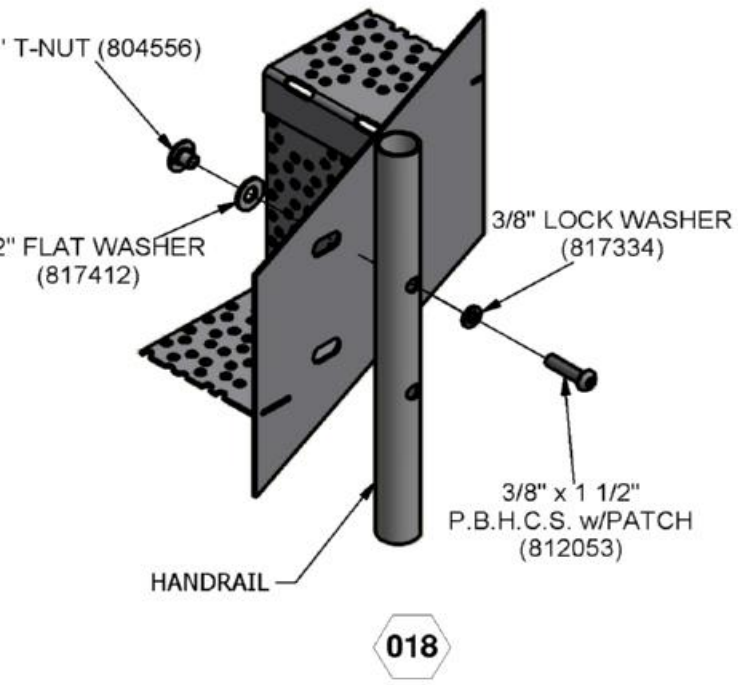



| Dimension Table | | | | |
|---|---|---|---|---|
| Product | Deck Height | Dim. A | Dim. B | Dim. C |
| 71461 | 32 in [cm] | 18 3/16 in [46.12 cm] | 12 1/2 in [31.67 cm] | 27 15/16 in [71.01 cm] |
| 71462 | 40 in [cm] | 33 in [83.76 cm] | 27 3/16 in [68.99 cm] | 42 5/8 in [108.33 cm] |
| 71463 | 48 in [121.92 cm] | 47 7/16 in [118.98 cm] | 41 13/16 in [106.27 cm] | 57 5/16 in [145.64 cm] |

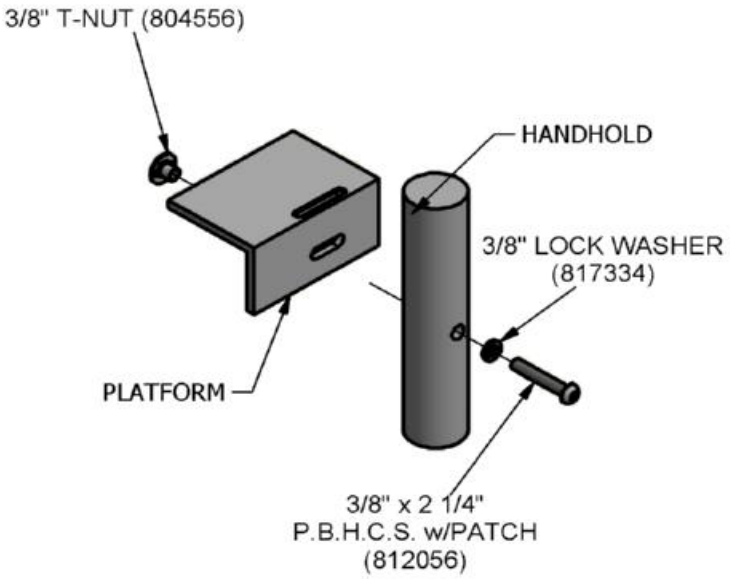
## ELEVATION VIEW



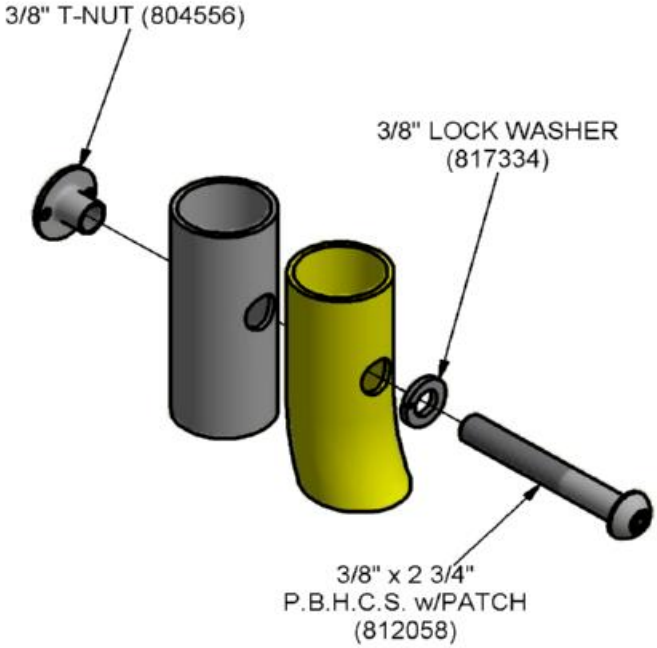
# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")



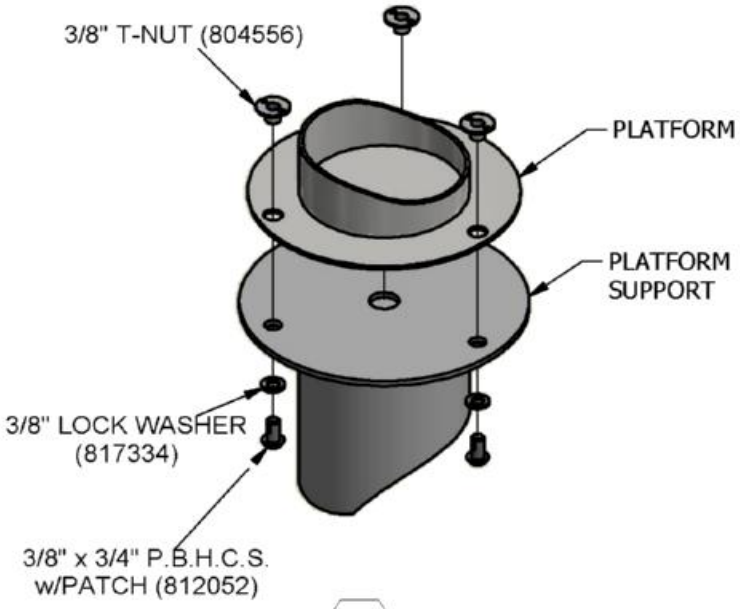

018




125

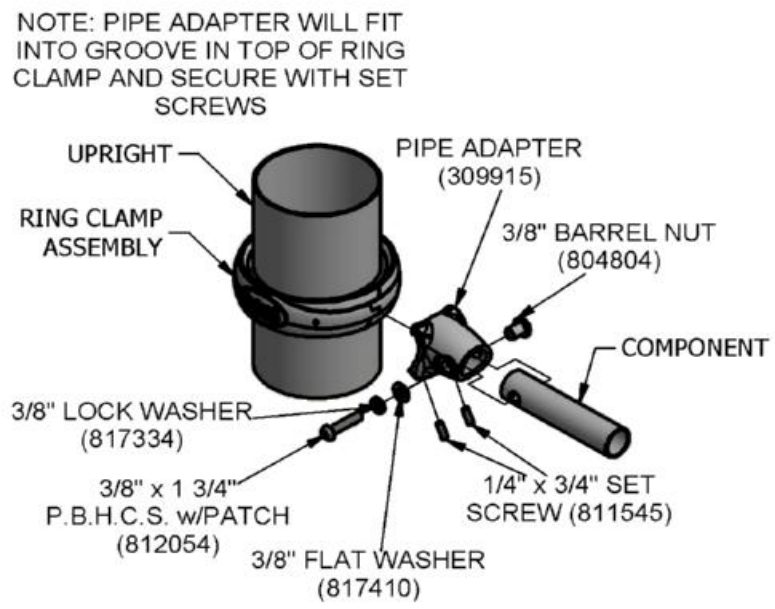



986

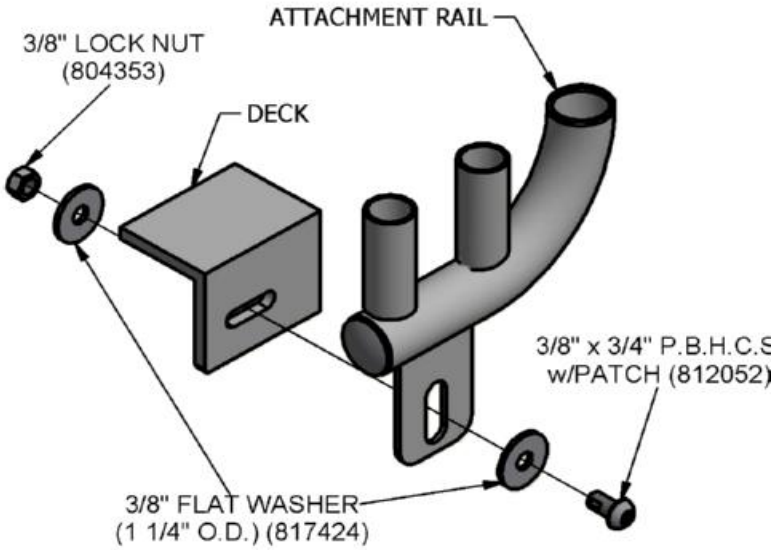



247

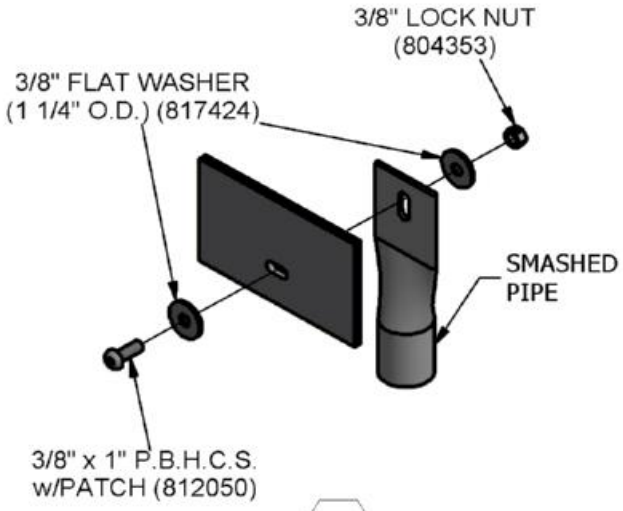
# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")



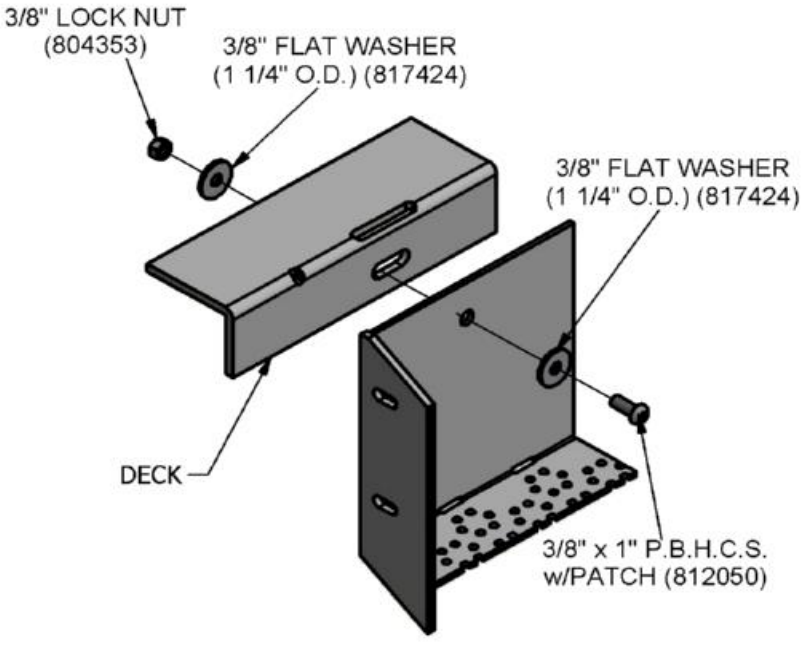

448




449

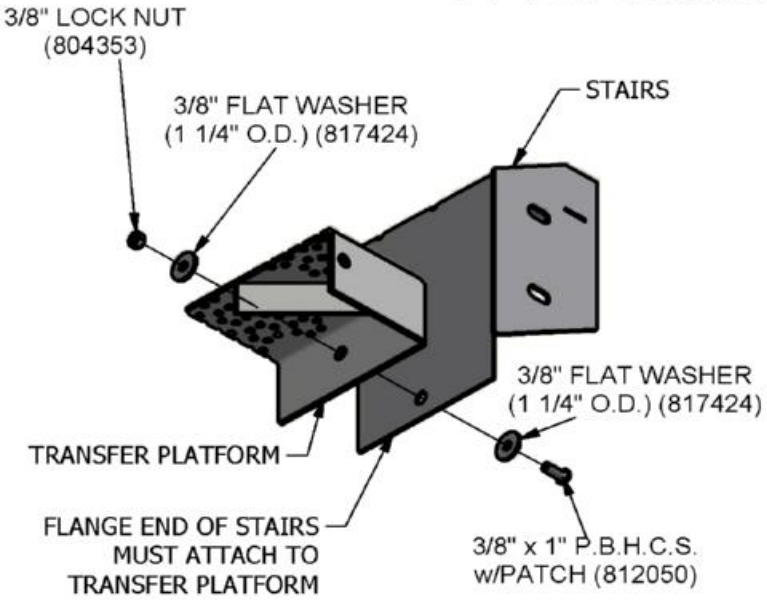



554




600

# 71461 Transfer Module (2'-8")
# 71462 Transfer Module (3'-4")
# 71463 Transfer Module (4'-0")




984

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 71502 Accessible Driving Panel

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | ACCESSIBLE DRIVING PANEL | 1 | 311819 |
| 2 | STEERING WHEEL ASSEMBLY | 1 | 163235 |
| 3 | PANEL ADAPTER | 4 | 309919 |
| | ——HARDWARE COMPLETE—— | 1 | 311824 |
| | 1/4" x 3/4" SET SCREW | 8 | 811545 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 6 | 812053 |
| | 3/8" FLAT WASHER | 8 | 817410 |
| | 3/8" LOCK WASHER | 2 | 817334 |
| | 3/8" ACORN NUT | 2 | 804002 |
| | 3/8" BARREL NUT | 4 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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:***

1. Determine which uprights are to receive the Accessible Driving Panel, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Hook the Panel Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 467.

4. Connect Accessible Driving Panel to Panel Adapters using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 467.

5. Attach Steering Wheel Assembly to Accessible Driving Panel using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Lock Washers and 3/8" Acorn Nuts as shown in Detail 089.

6. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

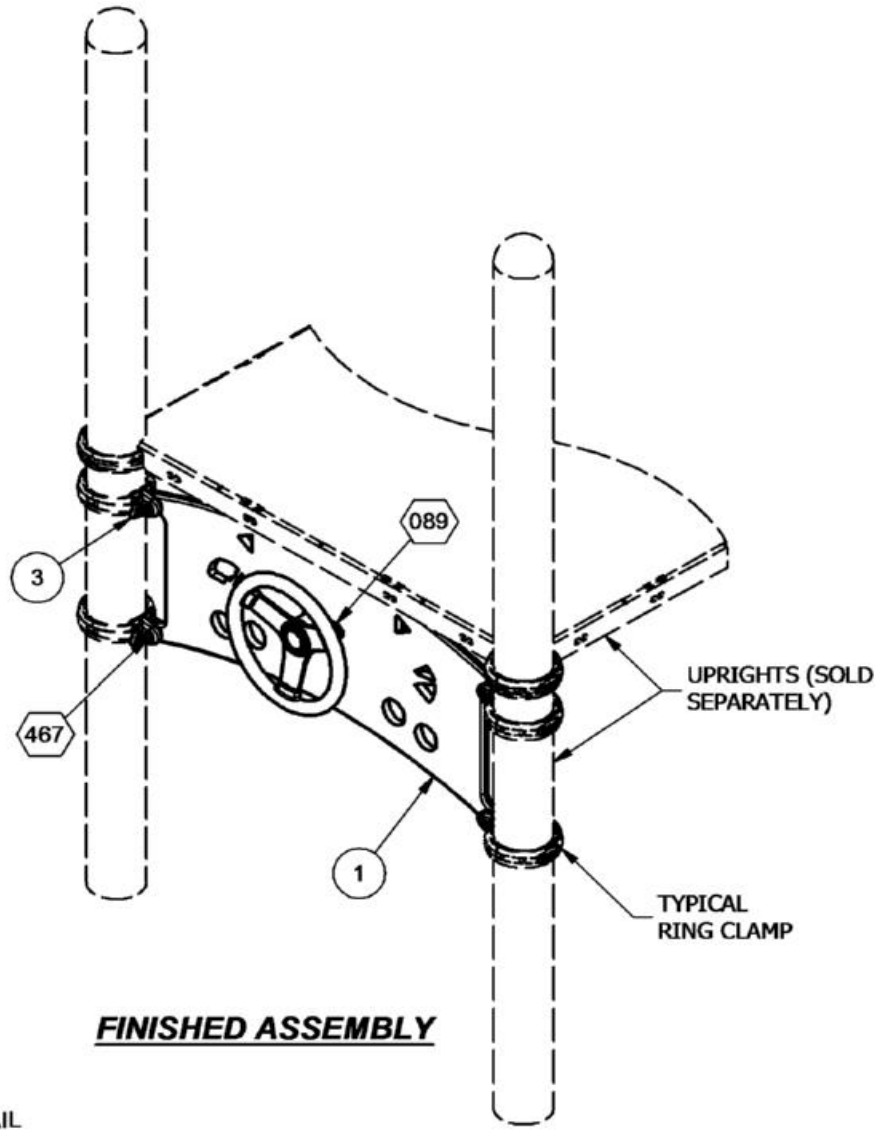
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.* Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

# 71502 Accessible Driving Panel

***MAINTENANCE PROCEDURE:***

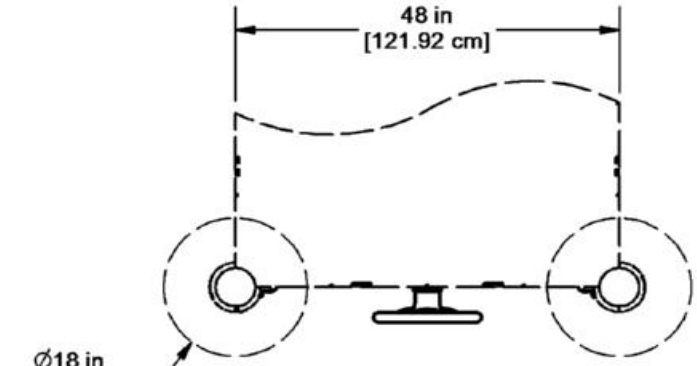
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.




***FINISHED ASSEMBLY***

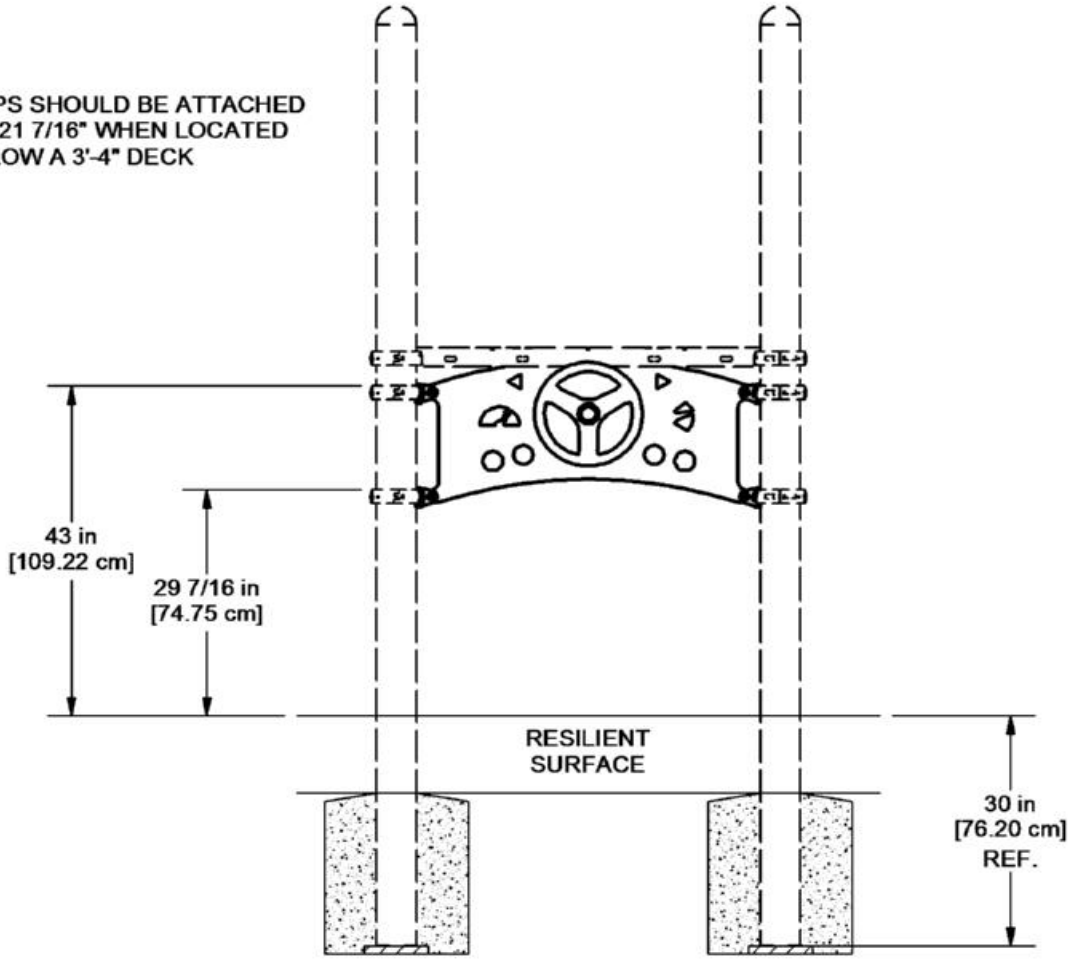
⬡ = INSTALLATION DETAIL

# 71502 Accessible Driving Panel



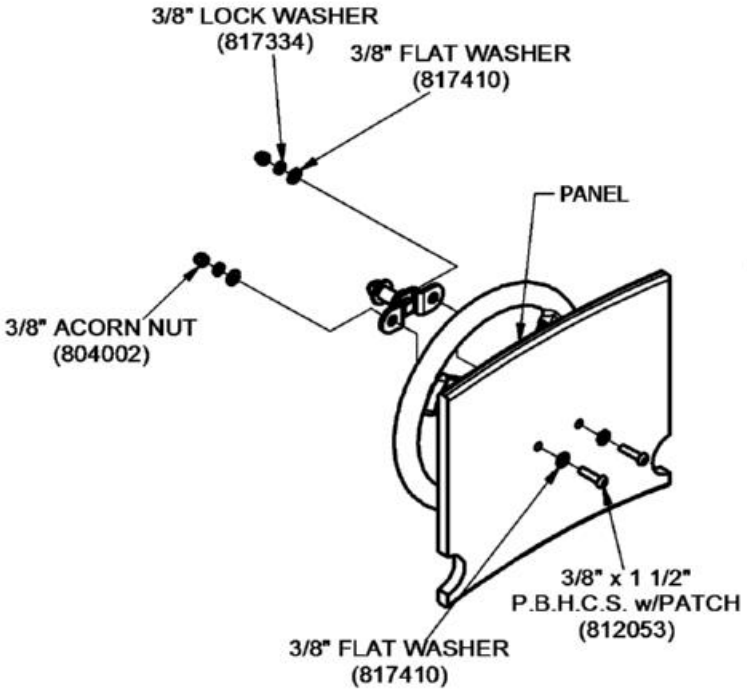

***PLAN VIEW***

NOTE: CLAMPS SHOULD BE ATTACHED AT 35" AND 21 7/16" WHEN LOCATED BELOW A 3'-4" DECK



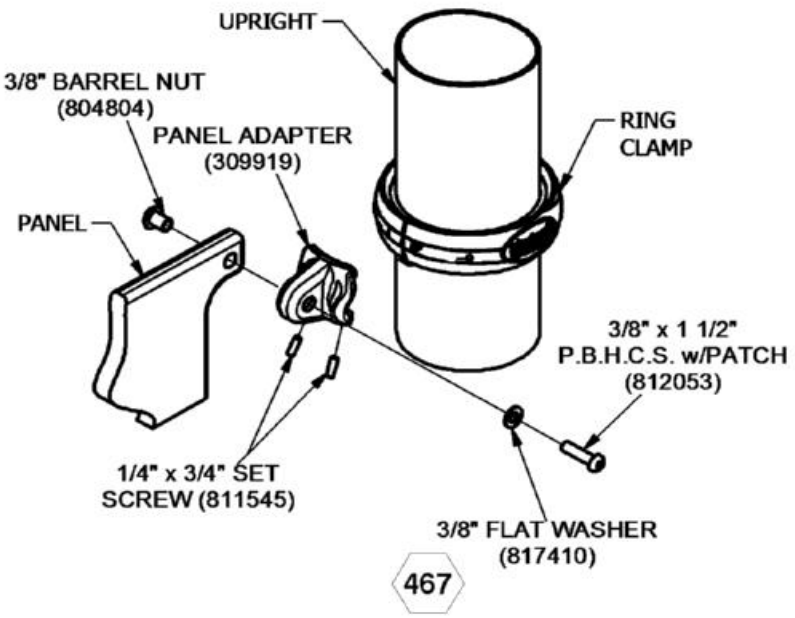

***ELEVATION VIEW***

# 71502 Accessible Driving Panel




NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



# 71503 Flat Cap Package

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | COATED FLAT CAP | 1 | 139454 |
| 2 | 1/4" x 3/4" DRIVE RIVET | 2 | 168449 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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:***

1. Assemble using Drive Rivets as shown in Detail 622.

2. Drive Rivets must not interfer with Ring Clamp.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

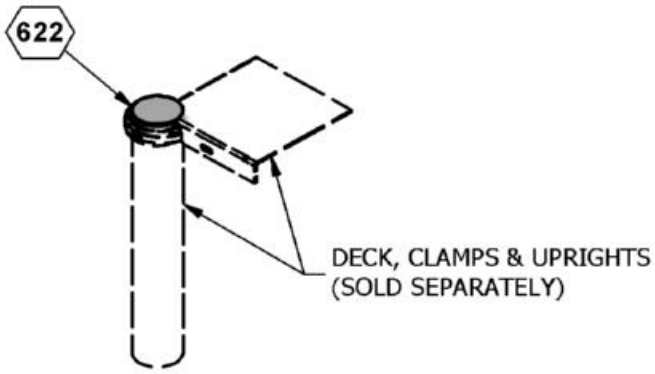
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

# 71503 Flat Cap Package

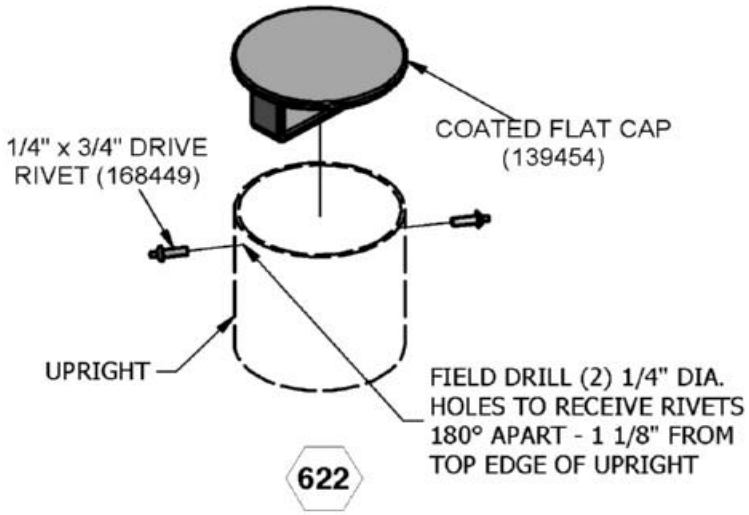
***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.




GENERIC LENGTH POST SENT WITH ORDER. IF REQUIRED, CUT POSTS TO CORRECT LENGTH. TOP OF CAP MUST BE FLUSH WITH TOP SURFACE OF DECK.

***FINISHED ASSEMBLY***




⬡ = INSTALLATION DETAIL

SuperMax Play Systems

# 71671 SINGLE CASCADE ENTRANCE

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SECTIONAL ENTRANCE | 1 | 205960 |
| PANEL ADAPTER | 2 | 309919 |
| SLIDE HOOD | 1 | 312484 |
| ***HARDWARE COMPLETE*** | 1 | 312596* |
| 1/4" x 3/4" SET SCREW | 4 | 811545* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 812053* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| 3/8" FLAT WASHER | 2 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 3/8" BARREL NUT | 2 | 804804* |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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:***

1. Determine which deck is to receive the Landslide Entrance and dig footing at location shown in Top View. Refer to the Elevation View for footing depth.
2. Using a 7/16" drill bit, ream out any excess Plastisol coating from all holes used on deck. Be careful not to expose the steel.
3. Attach Ring Clamps to the Uprights. See Ring Clamp Installation sheet.
3. Attach Panel Adapters to the Ring Clamps using 1/4" x 3/4" Set Screws. See Detail 672.
4. Attach Slide Hood to Panel Adapters using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 672.
5. Attach Sectional Entrance to Deck using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 136.
6. Attach Sectional Entrance to Slide Hood using 3/8" x 1 3/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 673.
7. Plumb and level the entire assembly and tighten all fasteners.
8. 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.

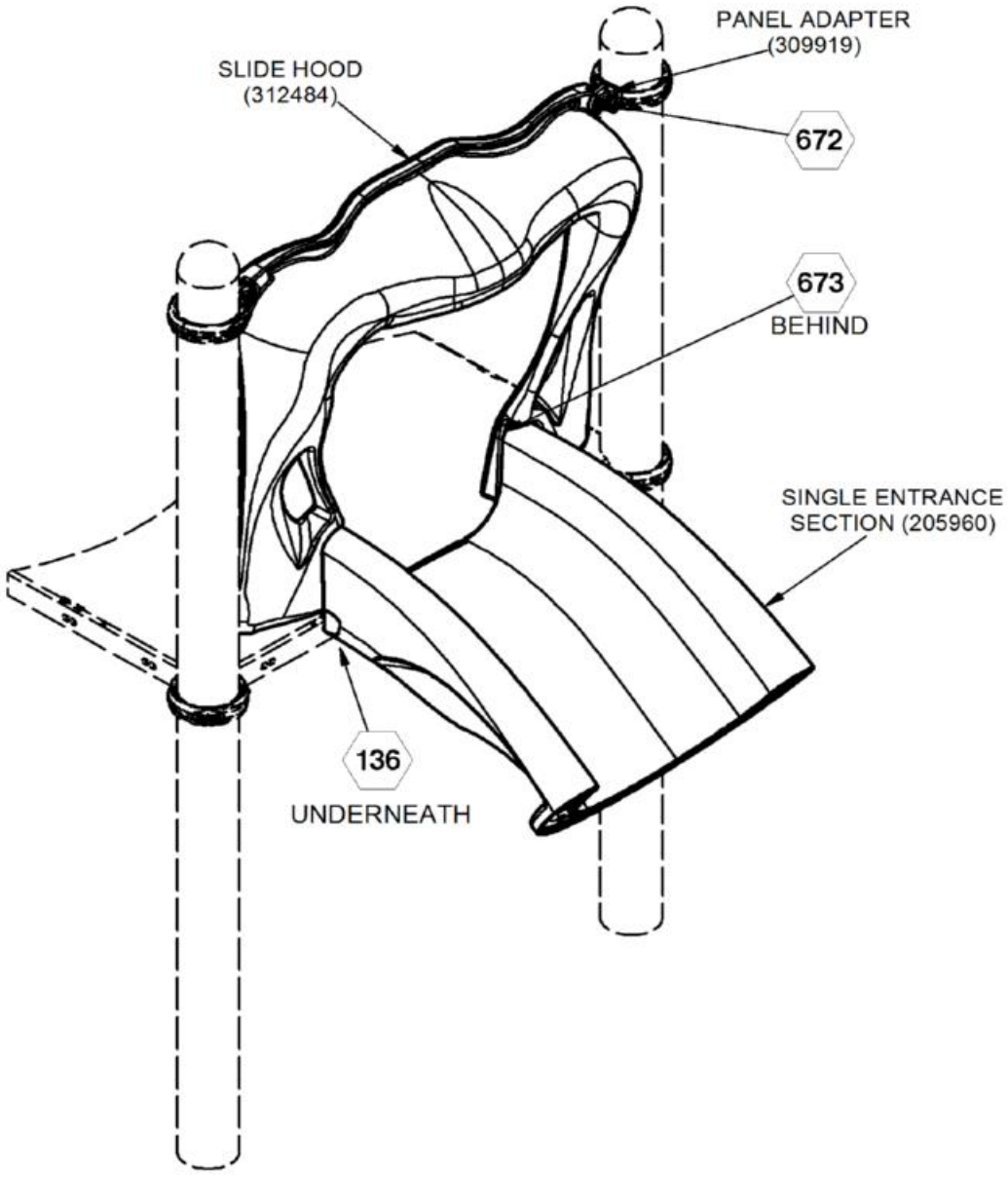
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

9. When the structure is finished and satisfactory, Install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structures in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

# 71671 SINGLE CASCADE ENTRANCE

***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. Also 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.

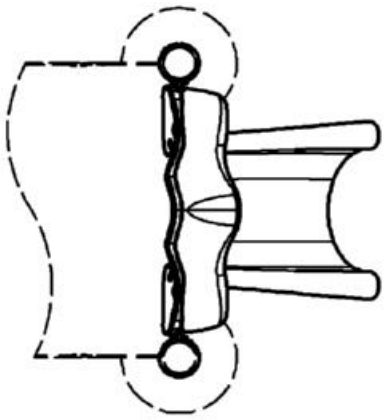



= INSTALLATION DETAIL

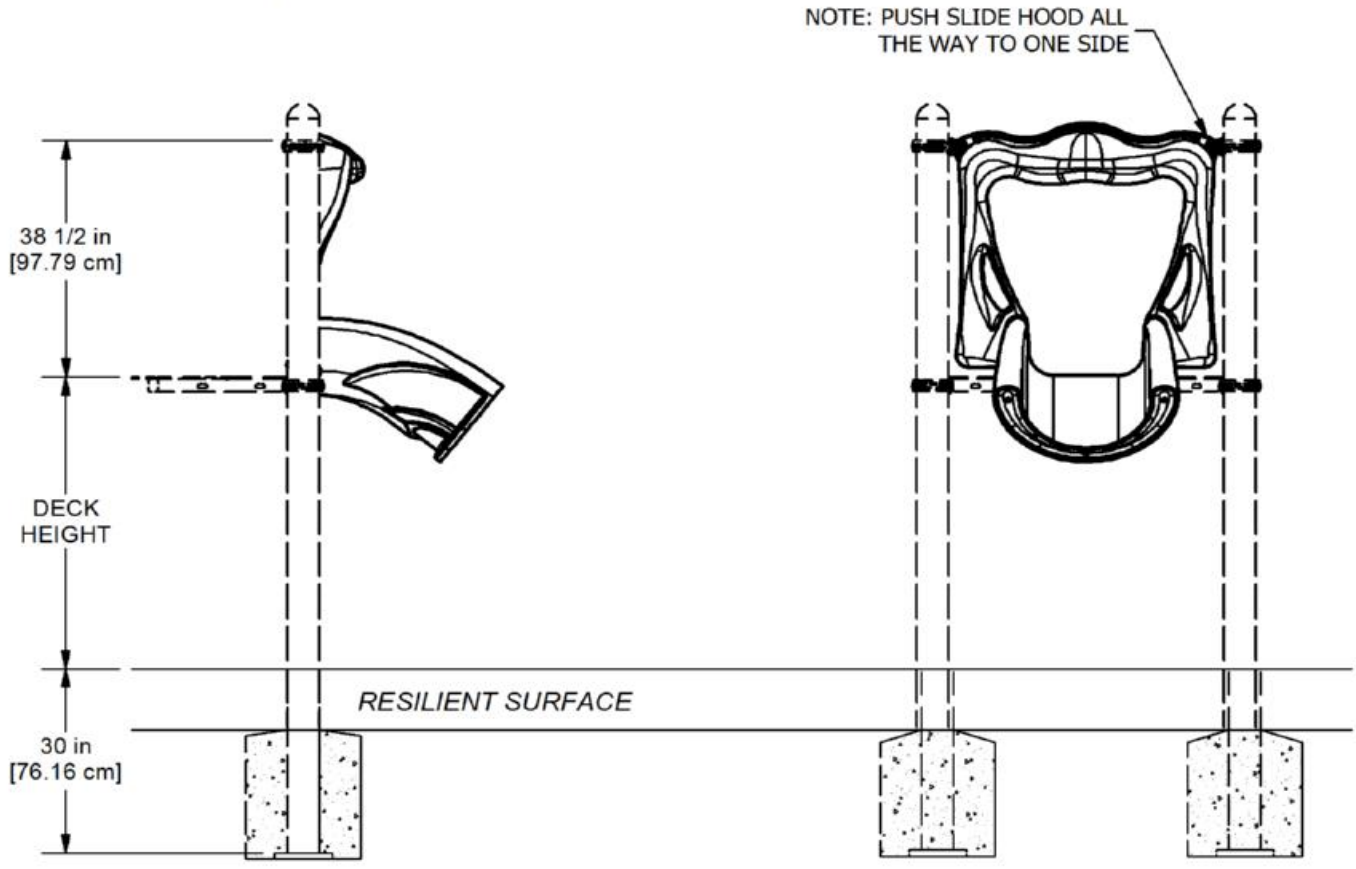
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71671 SINGLE CASCADE ENTRANCE

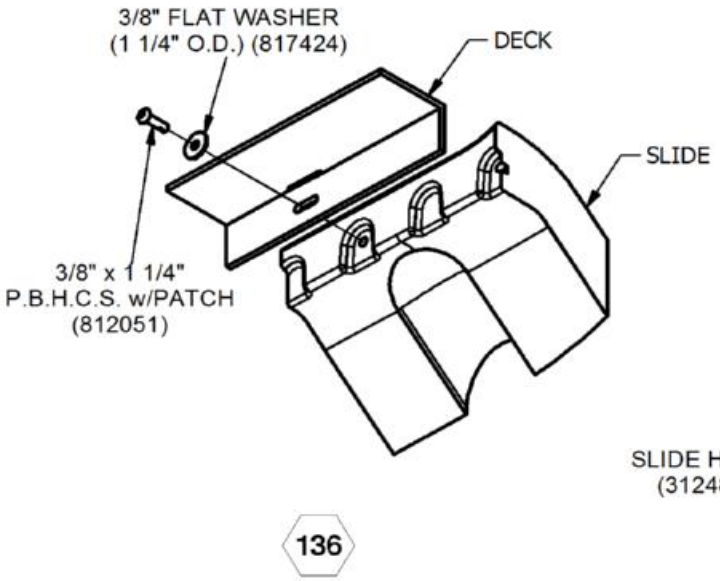


***PLAN VIEW***

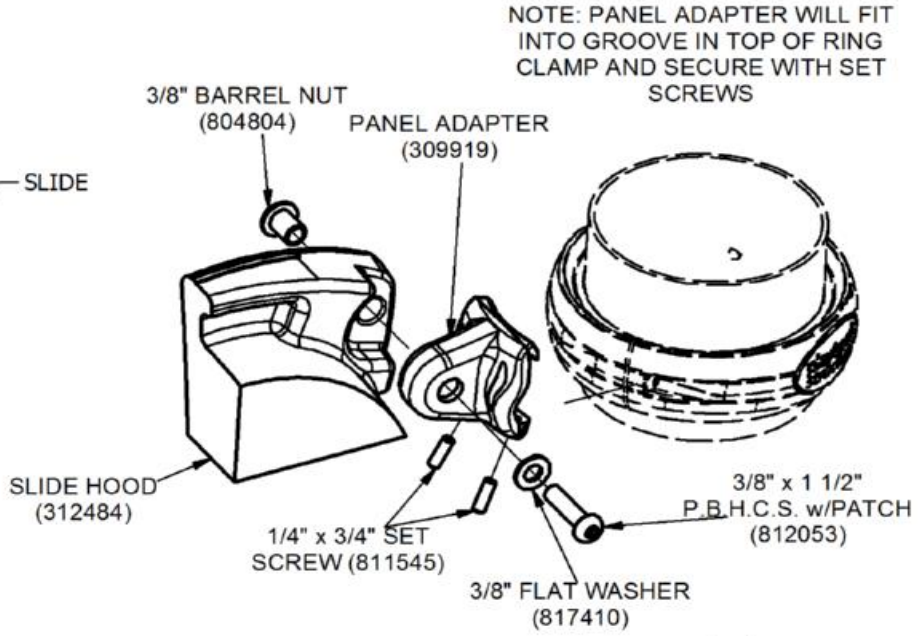



***ELEVATION VIEW***

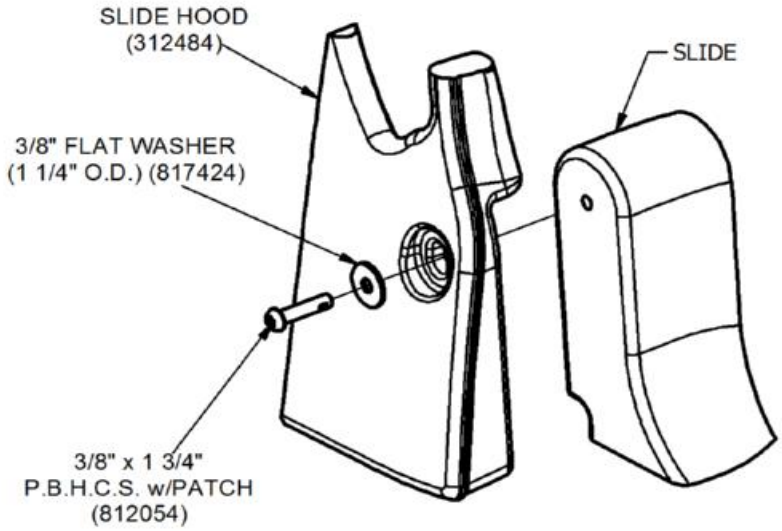
# 71671 SINGLE CASCADE ENTRANCE




136




672




673

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

| Parts List | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 71674 | 71715 | 71675 | 71676 | 71677 | 71678 | 71902 | 71903 | 72207 | 72209 | 72210 | PART NUMBER |
| FOOTBUCK WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 204879 |
| 1' STRAIGHT SECTION | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205962 |
| CURVED LEFT SECTION | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205963 |
| CURVED RIGHT SECTION | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205964 |
| SPIRAL SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206170 |
| EXIT SECTION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 206179 |
| 2' STRAIGHT SECTION | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207601 |
| LONG EXIT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 211303 |
| SUPPORT PIPE WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 220777 |
| SUPPORT ASS'Y 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 312634 |
| SUPPORT ASS'Y 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 312637 |
| FOOTBUCK | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 312779 |
| BANKED CASCADE EXIT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 316987 |
| FOOTBUCK A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317194 |
| FOOTBUCK B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317197 |
| FOOTBUCK C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317200 |
| SURGE SLIDE FOOTBUCK EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 317203 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207032 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207033 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 207035 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 207036 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 312781 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 312782 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317204 |
| 6" EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 151080 |
| EXTENSION LEG | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 152110 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 6 | 0 | 0 | 812052 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 4 | 4 | 4 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 812050 |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 812055 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 812056 |
| 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 801009 |
| 3/8" x 2 3/4" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 801010 |
| 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 801013 |
| 3/8" FLATWASHER | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 4 | 0 | 2 | 2 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 6 | 6 | 6 | 6 | 0 | 0 | 6 | 5 | 0 | 0 | 817424 |
| 3/8" LOCK WASHER | 5 | 5 | 5 | 5 | 5 | 2 | 2 | 10 | 14 | 2 | 2 | 817334 |
| 3/8" BARREL NUT LONG | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 804820 |
| 3/8" HEX NUT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 804053 |
| 1/2" FLAT WASHER (1 3/8" O.D.) | 6 | 6 | 6 | 6 | 6 | 0 | 0 | 6 | 5 | 0 | 0 | 817425 |

# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Assemble slide sections on the ground. Bolt each section together using 3/8" Barrel Nut, 1/2" Lockwasher, 1/2" Flat Washer, 1/2" Flat Washer (1 3/8" O.D.), and 3/8" x 2 1/2" Threaded Stud. See Detail 787. **Note:** Hand tighten the five bolts that join each section. **Note:** Refer to your unit's top view for proper placement and orientation of each slide section.

2. 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.

3. 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.

4. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 2 and 3 until seams are properly fitted.

5. Attach Footbuck to Exit Section using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, and 3/8" Flatwasher. See Detail 195. **Note:** Check slide exit for proper water drainage before concrete is poured. **Note:** The slope of the exit region shall be between 0 and -10° as measured from a plane parallel to the underlying surface.

***NOTE:*** Cut footbuck pipe and support pipe or adjust depth of footing holes to meet correct exit height as shown on exit height chart.

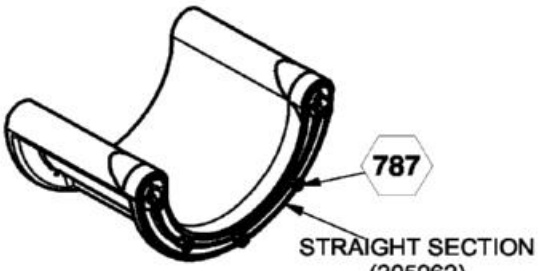
6. After the slide is adjusted and the bolts are tight, attach the slide supports (if required) using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" Flat Washer. See Detail 788. **NOTE: Refer to overall top view for slide support location.**

7. Use Detail 789 to plug inserts in Straight and Curved Sections as required with 3/8" x 1" P.B.H.C.S. w/Patch.

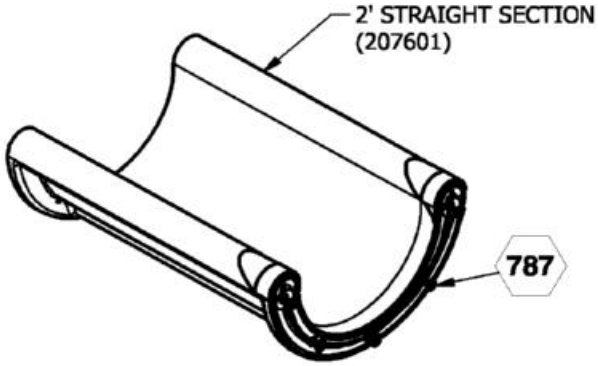
## MAINTENANCE PROCEDURE:

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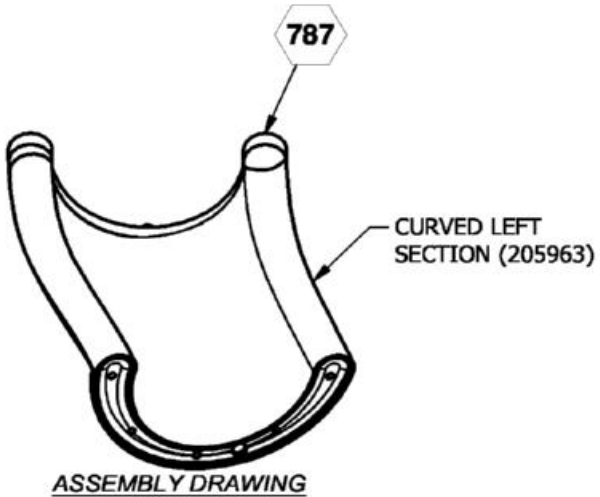
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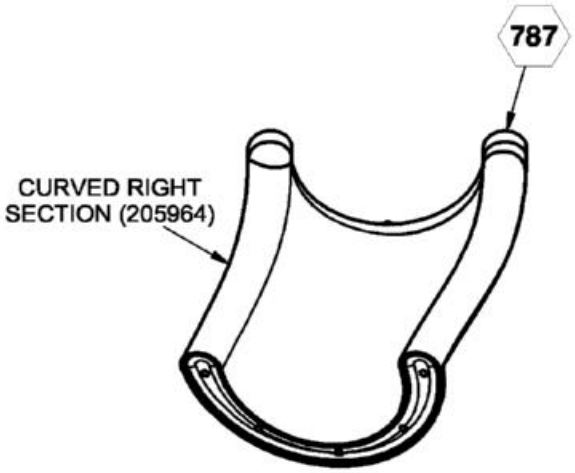

*ASSEMBLY DRAWING*
71674 SHOWN




*ASSEMBLY DRAWING*
71715 SHOWN



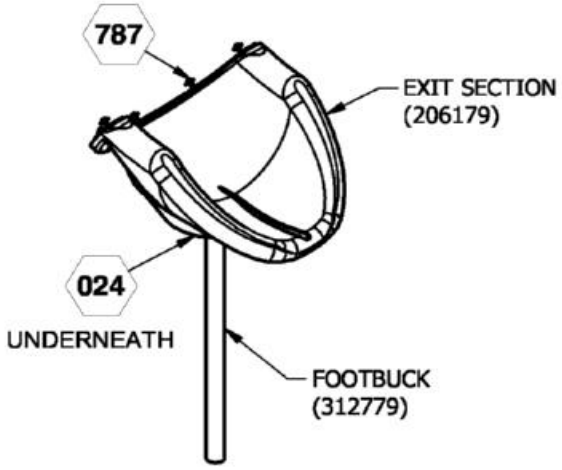

*ASSEMBLY DRAWING*
71675 SHOWN



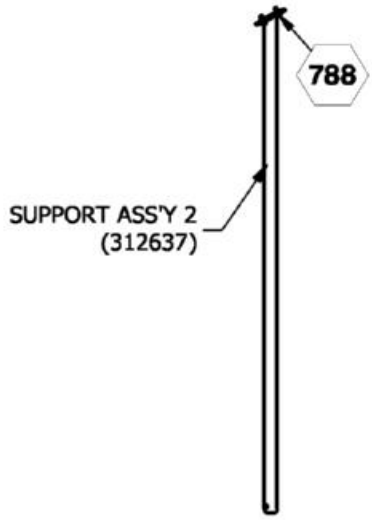

*ASSEMBLY DRAWING*
71676 SHOWN

⬡ = INSTALLATION DETAIL

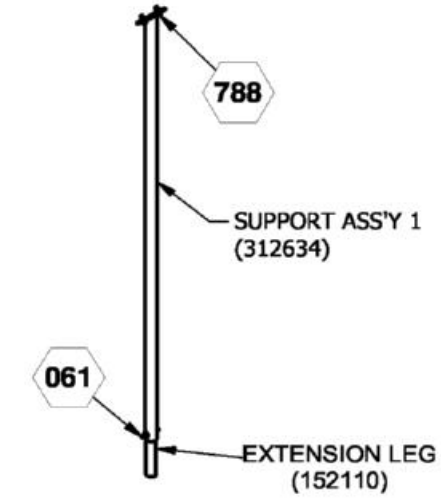
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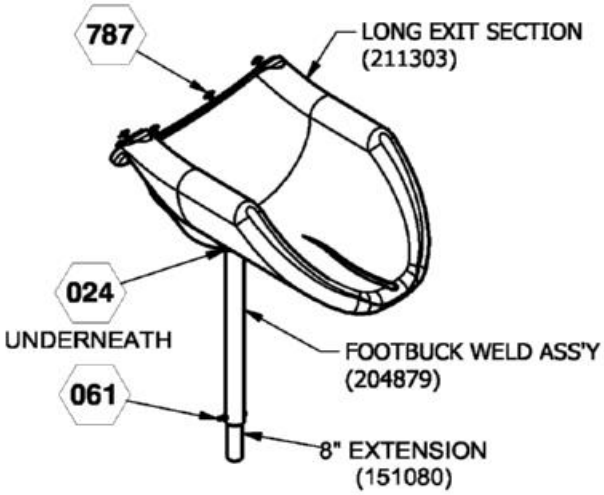

*ASSEMBLY DRAWING*
71677 SHOWN




*ASSEMBLY DRAWING*
71678 SHOWN



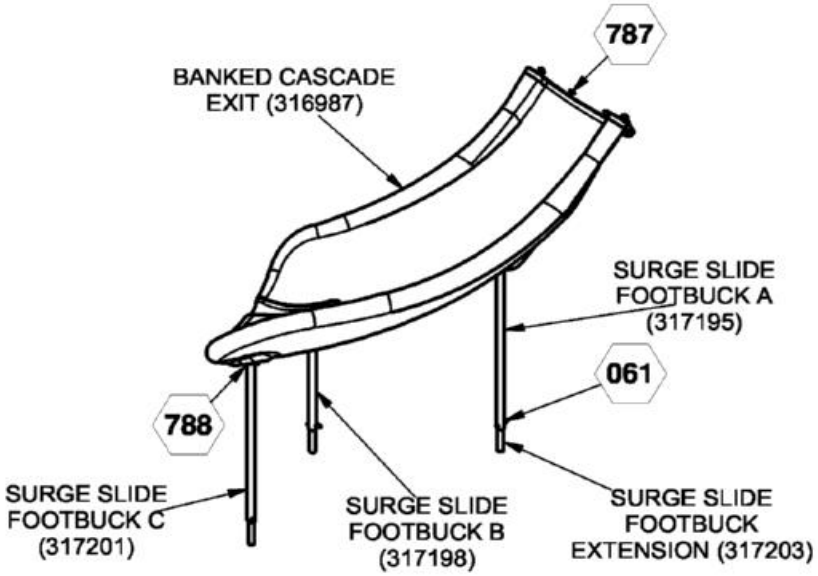

*ASSEMBLY DRAWING*
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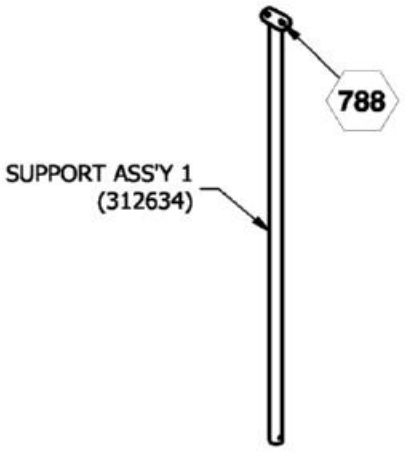

*ASSEMBLY DRAWING*
71903 SHOWN

⬡ = INSTALLATION DETAIL

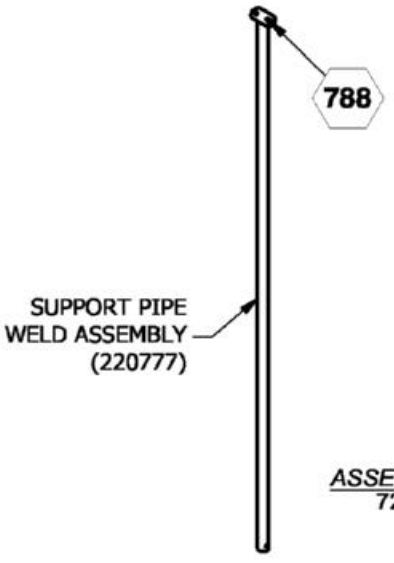
# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION




*ASSEMBLY DRAWING*
72207 SHOWN



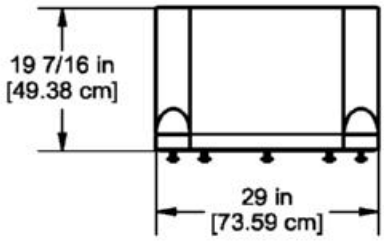

*ASSEMBLY DRAWING*
72209 SHOWN



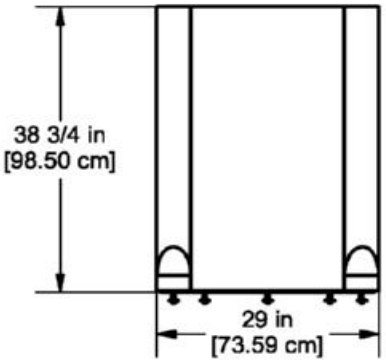

*ASSEMBLY DRAWING*
72210 SHOWN

⬡ = INSTALLATION DETAIL

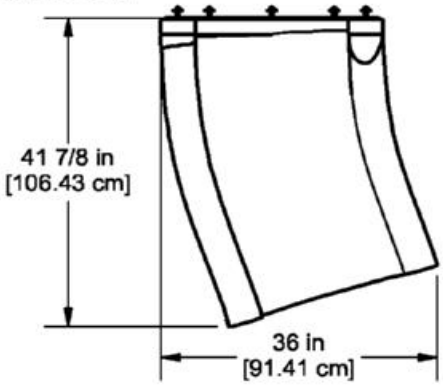
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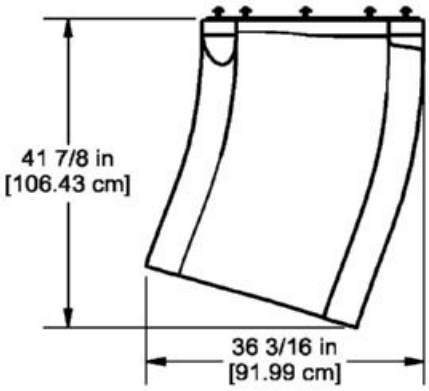

**71674**



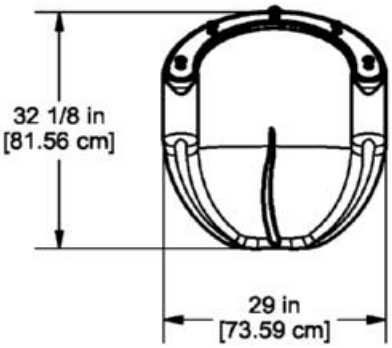

**71715**



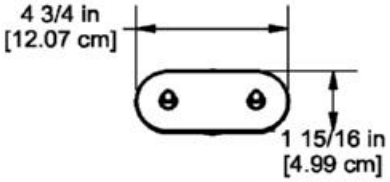

**71675**



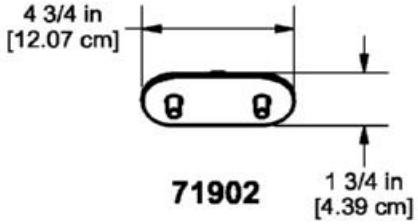

**71676**



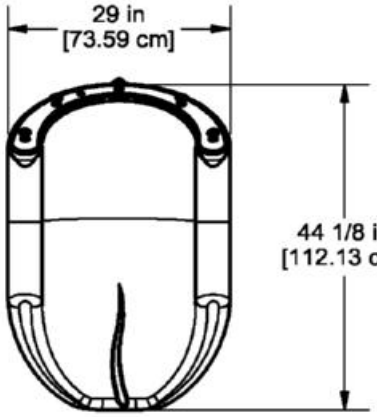

**71677**



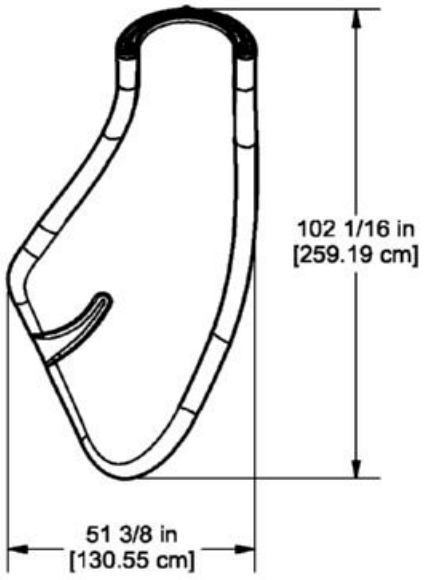

**71678**




**71902**



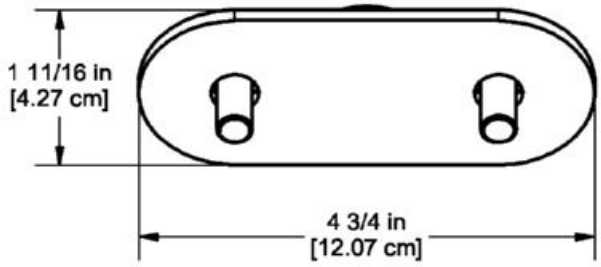

**71903**



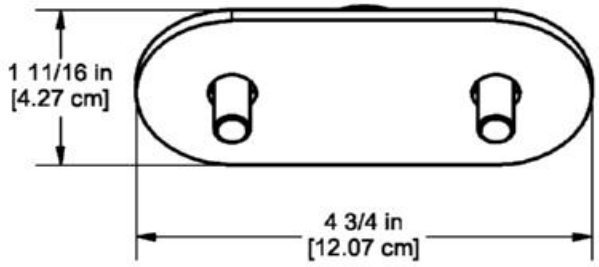

**72207**

***TOP VIEWS***

# *71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION*




**72209**




**72210**

***TOP VIEWS***

# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

| EXIT HEIGHT CHART -for- 4' and Under | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |

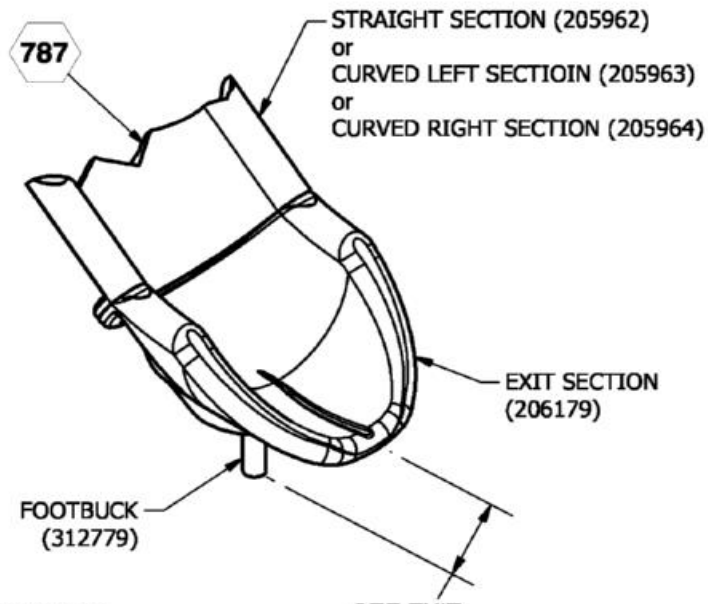
| EXIT HEIGHT CHART -for- 4' 8" and Over | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |

**NOTE:** BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.

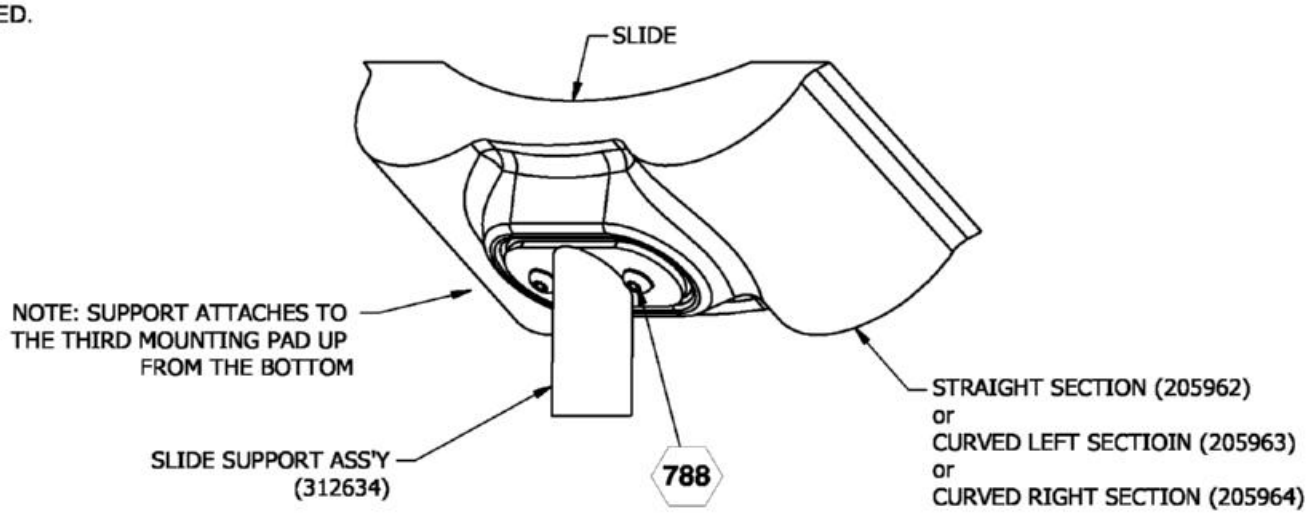
**NOTE:** THE SLOPE OF THE EXIT REGION SHALL BE BETWEEN 0 AND -10° AS MEASURED FROM A PLANE PARALLEL TO THE UNDERLYING SURFACE.

**NOTE:** CUT FOOTBUCK AND SUPPORT PIPE OR ADJUST DEPTH OF FOOTING HOLES TO MEET CORRECT EXIT HEIGHT AS SHOWN ON EXITH HEIGHT CHART.

**NOTE:** CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS POURED.




EXIT SECTION
***ASSEMBLY DRAWING***




SLIDE SUPPORT
***ASSEMBLY DRAWING***

# *71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION*

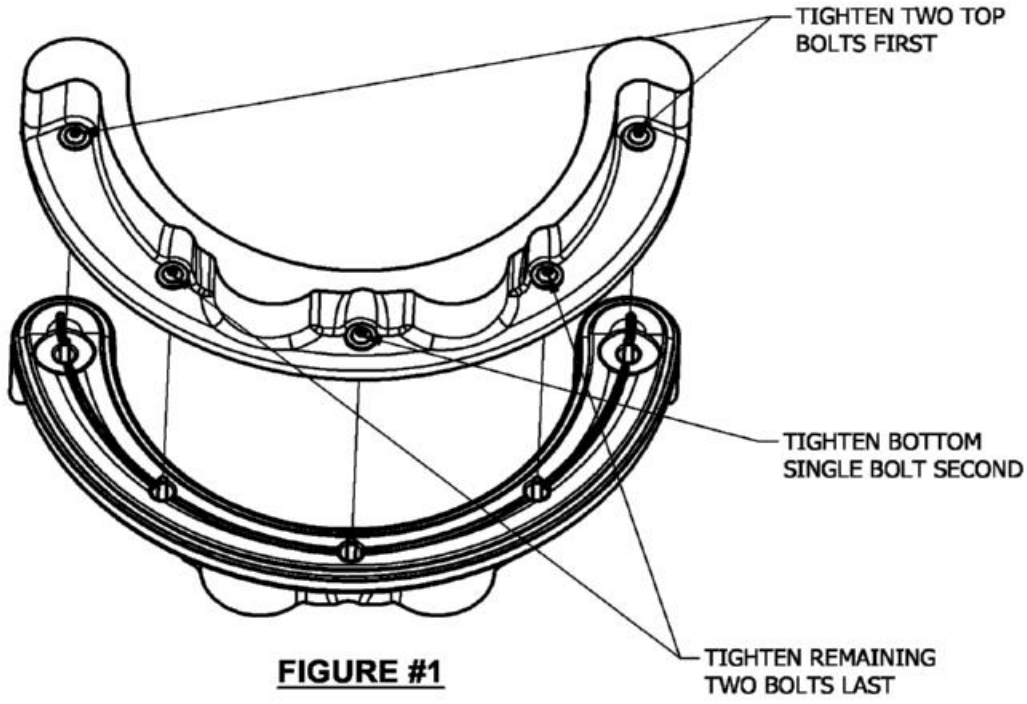



**FIGURE #1**

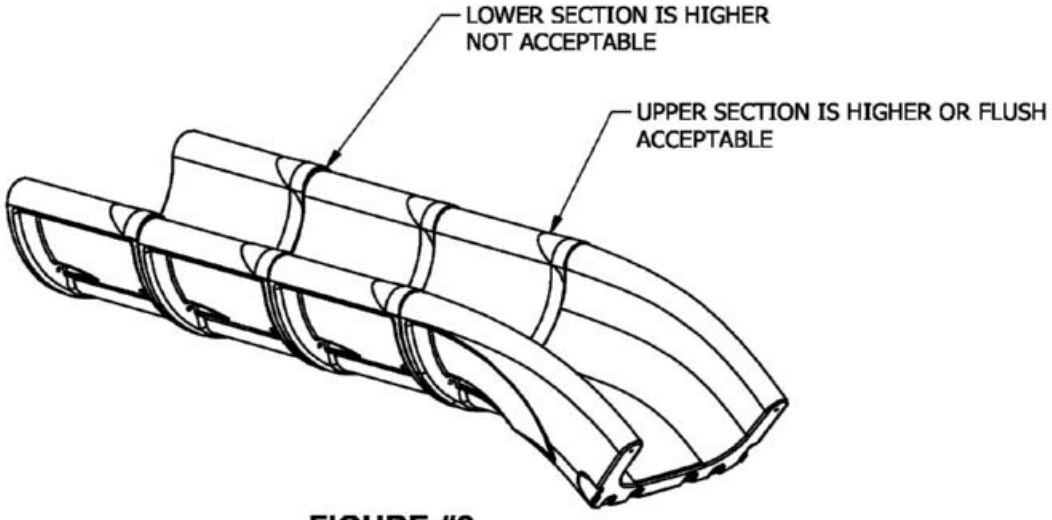
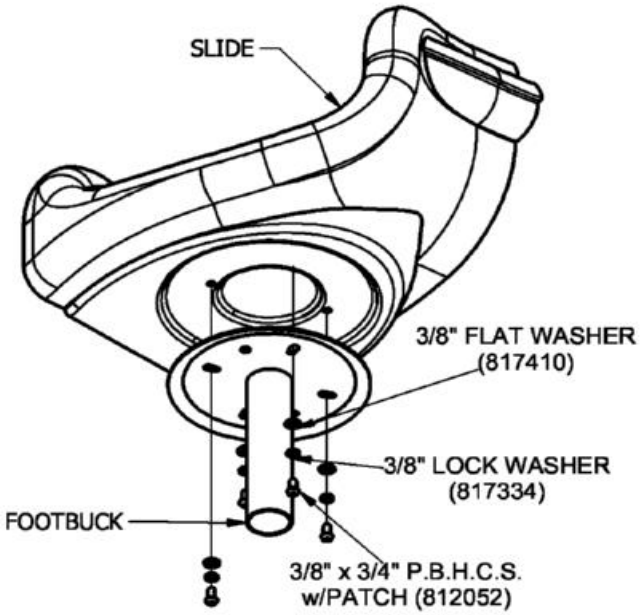



**FIGURE #2**

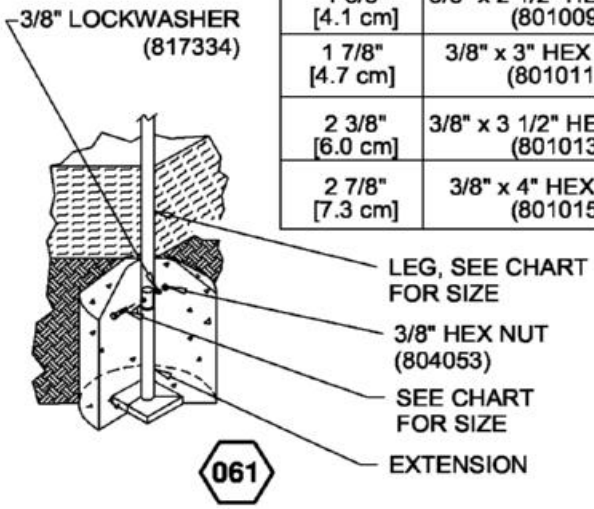
# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



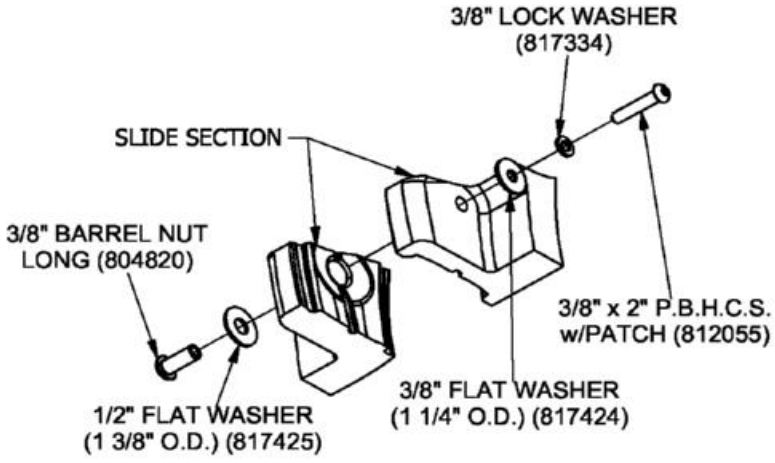

SOME SLIDES WILL ONLY HAVE TWO BOLTS PER FOOTBUCK CONNECTION

024

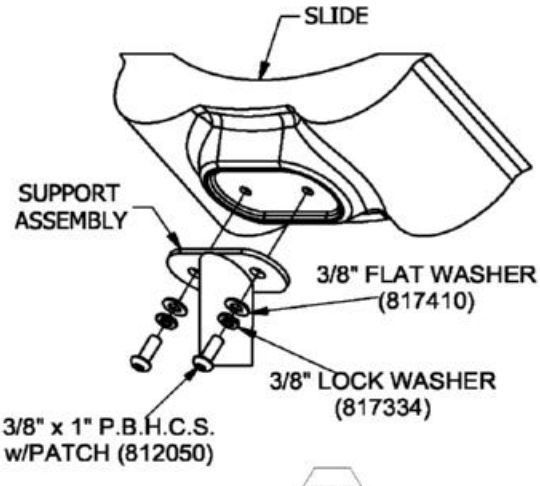
| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [4.7 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |
| 2 7/8" [7.3 cm] | 3/8" x 4" HEX HEAD (801015) |




061

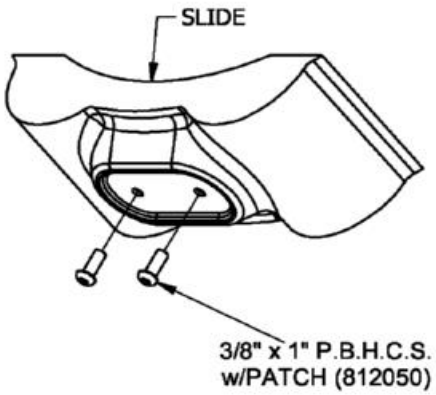



787




788

# *71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION*




789

SuperMax Play Systems

This equipment is designed for children 5-12 years old

# 71958 RESONANCE CLIMBER

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| HIGH ARCH WELD ASSEMBLY | 1 | 315543 |
| MIDDLE CONVEYOR BELT | 1 | 315554 |
| 8' FOOTHOLD B | 5 | 315555 |
| 8' FOOTHOLD A | 4 | 315556 |
| SIDE CLIMBER A RIGHT | 1 | 315560 |
| SIDE CLIMBER C RIGHT | 1 | 315563 |
| SIDE CLIMBER B RIGHT | 1 | 315566 |
| SIDE CLIMBER A LEFT | 1 | 315569 |
| SIDE CLIMBER C LEFT | 1 | 315572 |
| SIDE CLIMBER B LEFT | 1 | 315575 |
| PARALLAX 8' SHORT LADDER CLIMBER | 1 | 315906 |
| ARCH FRAME WELDMENT RIGHT | 1 | 316156 |
| ARCH FRAME WELDMENT LEFT | 1 | 316159 |
| LARGE LADDER RUNG A BENT | 1 | 316161 |
| LARGE LADDER RUNG B BENT | 1 | 316163 |
| LARGE LADDER RUNG C BENT | 1 | 316165 |
| LARGE LADDER RUNG D BENT | 1 | 316167 |
| LARGE LADDER RUNG E BENT | 1 | 316169 |
| ***HARDWARE COMPLETE*** | 1 | 315577 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 18 | 812052 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 13 | 812050 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051 |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 6 | 812055 |
| 3/8" LOCK WASHER | 35 | 817334 |
| 3/8" FLAT WASHER | 2 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 26 | 817424 |
| 3/8" BARREL NUT | 35 | 804804 |
| 3/8" ACORN NUT | 4 | 804002 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine location of Resonance Climber, and ensure the correct Parallax Legs have been attached to uprights. Reference order top view.

2. Attach 315906 Parallax 8' Ladder to 315522 High Arch Weld Assembly. See Detail 1079.

3. Attach 315543 High Arch Weld Assembly and 315528 Arch Ladder to Parallax Legs. See Detail 1079.

4. Attach 315422 Connector Casting A to 316159 Arch Frame Weldment Left and 316156 Arch Frame Weldment Right. See Detail 1080. Leave connection loose.

# 71958 RESONANCE CLIMBER

5. Insert 315537 Arch Frame Weldment Left into 315543 High Arch Weld Assembly socket.

6. Attach Ladder Rungs to 316156 Arch Frame Weldment Right. Leave connection loose until fully assembled. See Detail 1081.

7. Insert 316156 Arch Frame Weldment Right into appropriate 315543 High Arch Weld Assembly socket. Guide Ladder Rungs onto corresponding sockets on 316159 Arch Frame Weldment Left simultaneously. Attach Ladder rungs to 315543 Arch Frame Weldment Left. See Detail 1081.

8. Attach 315554 Middle Conveyor Belt to Parallax Legs. See Detail 1082.

9. Attach HDPE Footholds to 315554 Middle Conveyor Belt. See Detail 1083.

10. Attach Side Climber Weldments to Parallax Legs. See Detail 1084 and Detail 1174. Refer to assembly view for locations.

11. Plug open holes in Parallax Legs. See Detail 1089.

12. Plumb and level the entire assembly and tighten all fasteners.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

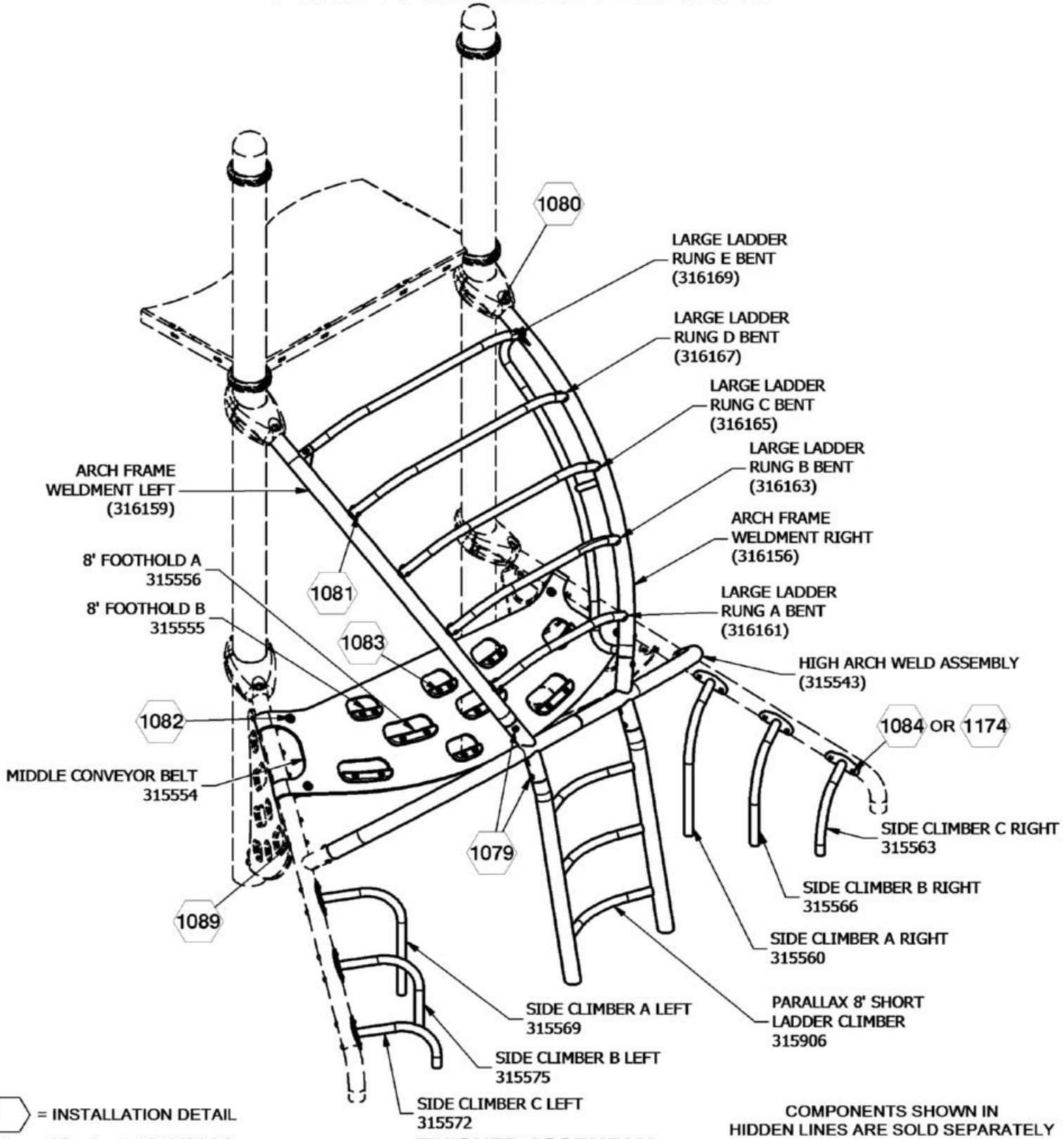
13. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of eqiupment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installated hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

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

SuperMax Play Systems

# 71958 RESONANCE CLIMBER



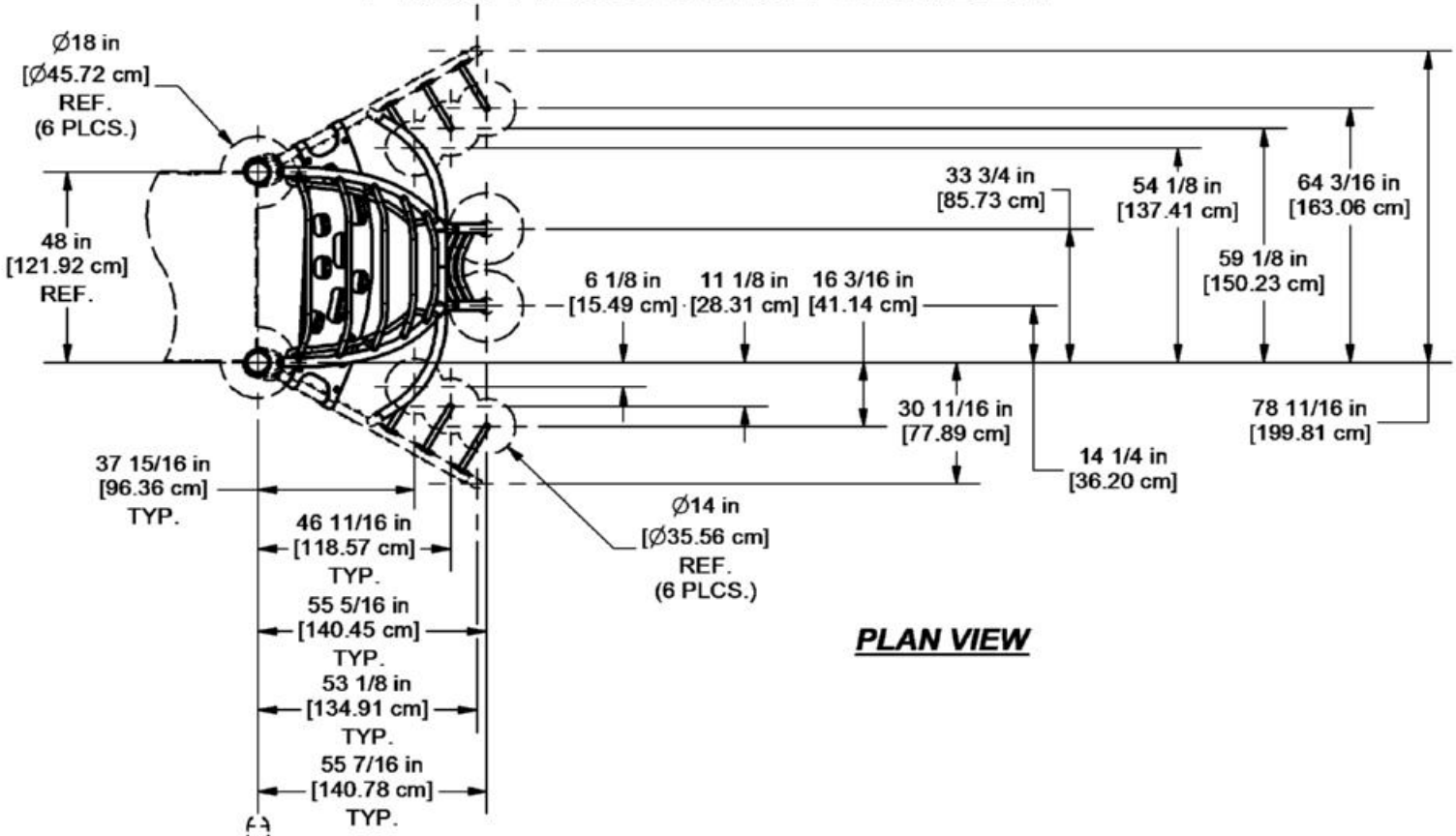

⬡ = INSTALLATION DETAIL

Issued/Revised: 10/4/2022

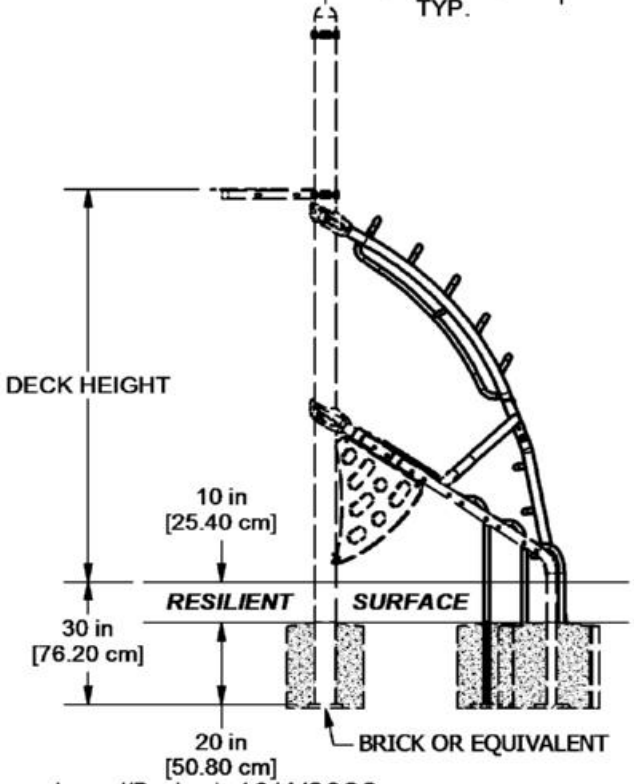
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

# 71958 RESONANCE CLIMBER



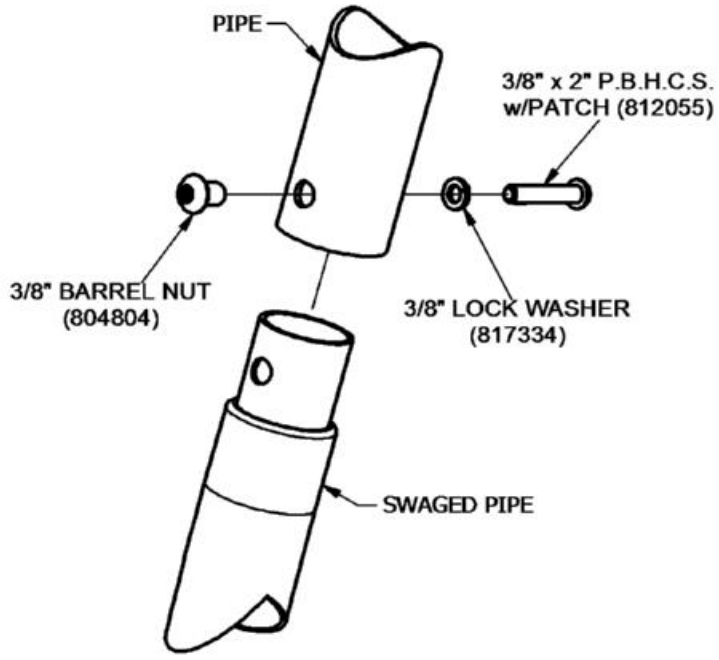

***PLAN VIEW***



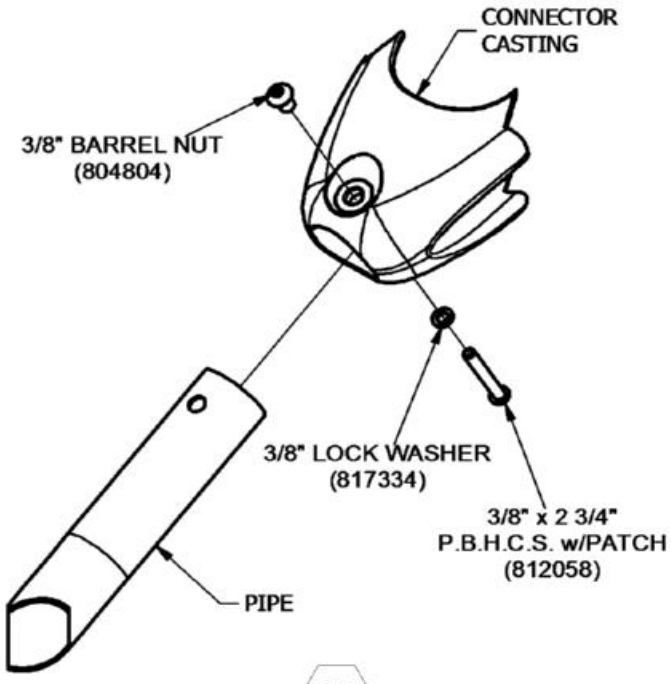

***ELEVATION VIEW***

Issued/Revised: 10/4/2022

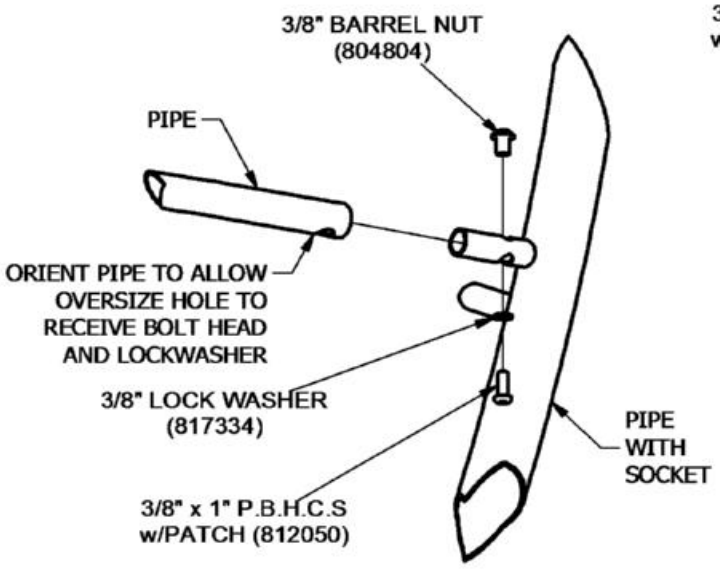
# 71958 RESONANCE CLIMBER



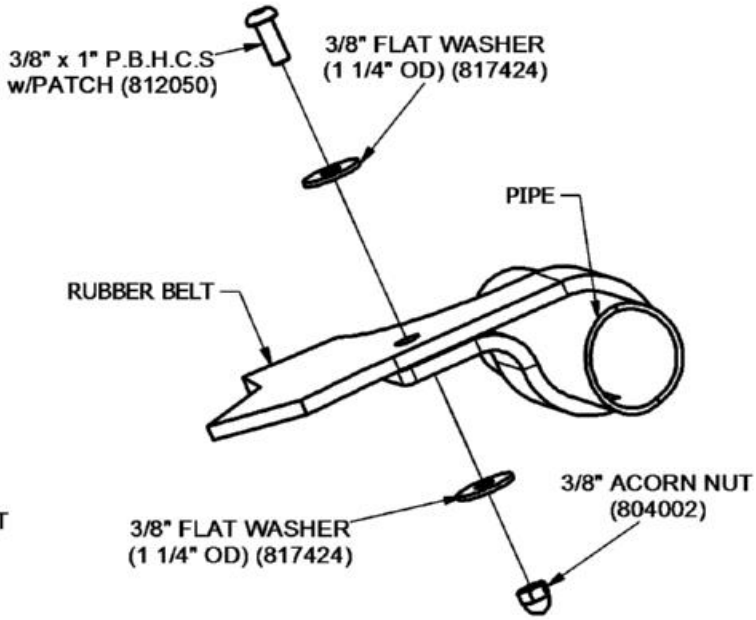

1079




1080

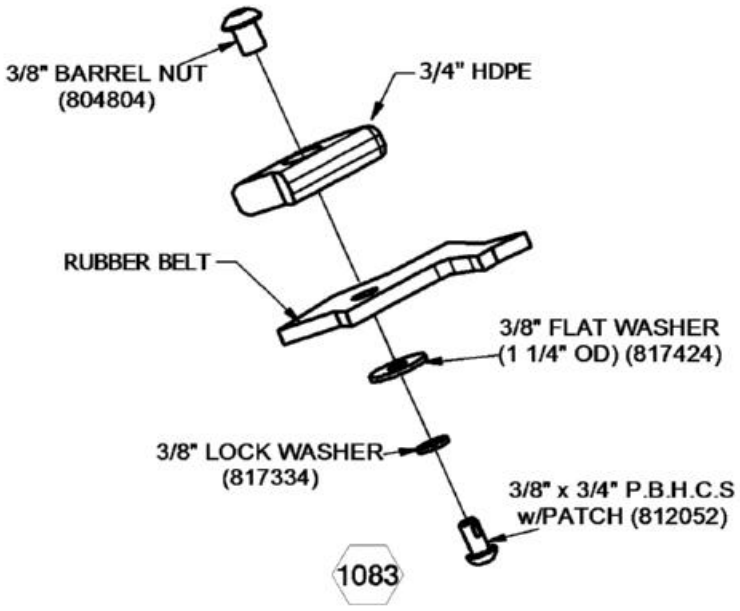


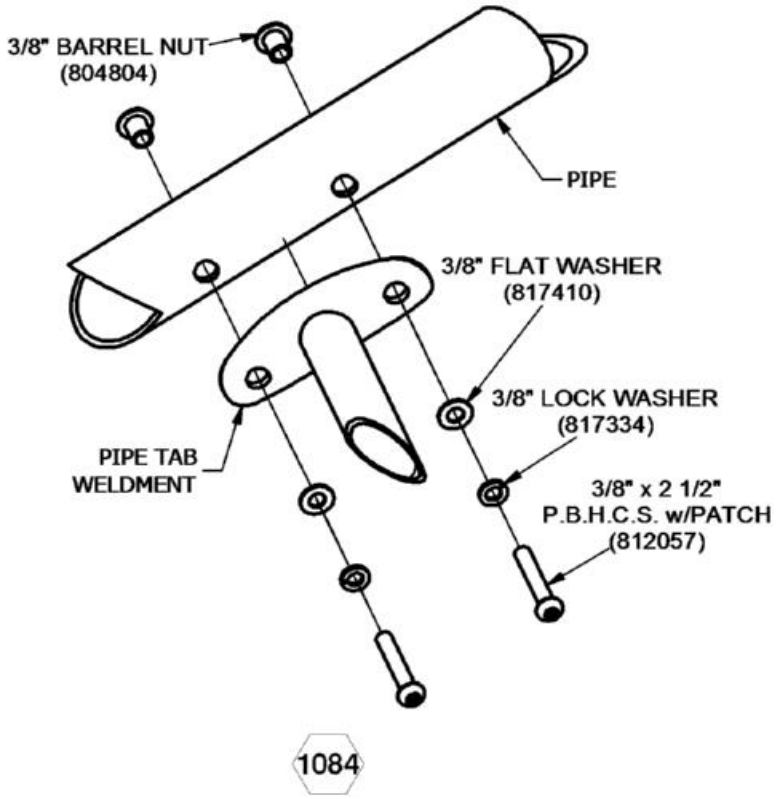

1081

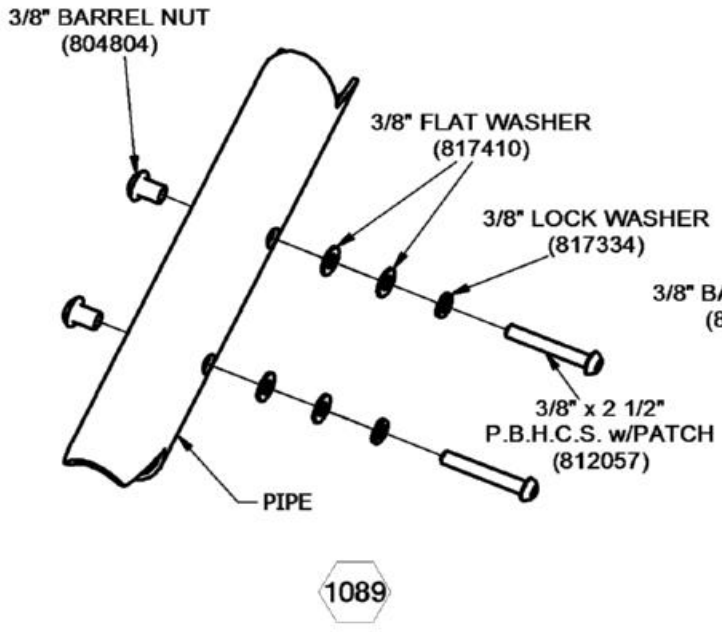


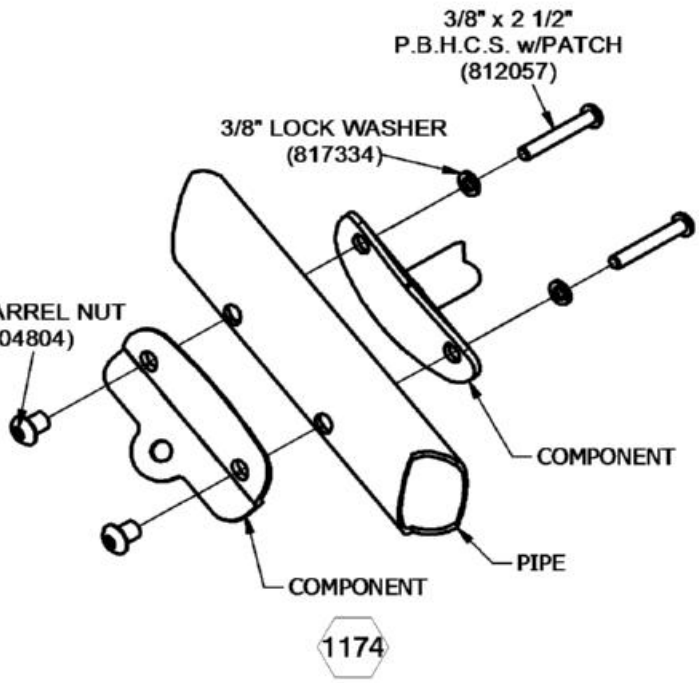

1082

# 71958 RESONANCE CLIMBER



This equipment is designed for children 2-5 or 5-12 years old

# 71968 SHOP PANEL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| 90° ANGLE BRACKET | 4 | 302334 |
| PANEL ADAPTER | 2 | 309919 |
| SMASHED FOOTBUCK | 2 | 314295 |
| SHOP PANEL | 1 | 315519 |
| ORGANIC COUNTER PANEL | 1 | 315520 |
| ***HARDWARE COMPLETE*** | 1 | 315521 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 3/8" x 3/4" CARRIAGE BOLT | 8 | 800252 |
| 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. w/PATCH | 2 | 812053 |
| 3/8" FLAT WASHER | 4 | 817410 |
| 3/8" BARREL NUT | 12 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which deck to to receive the Shop Panel. Refer to your overhead drawing for location.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. Hook the Panel Adapters onto the Ring Clamps and attach. See Detail 467.
4. Attach the Organic Counter Panel to the Shop Panel. See Detail 519.
5. Attach Footbucks to Shop Panel. Flat side of Smashed Footbuck should face the inside of the Shop Panel. See Detail 631.
6. Connect Shop Panel to Panel Adapters. See Detail 467.
7. When the entire assembly in plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure for at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

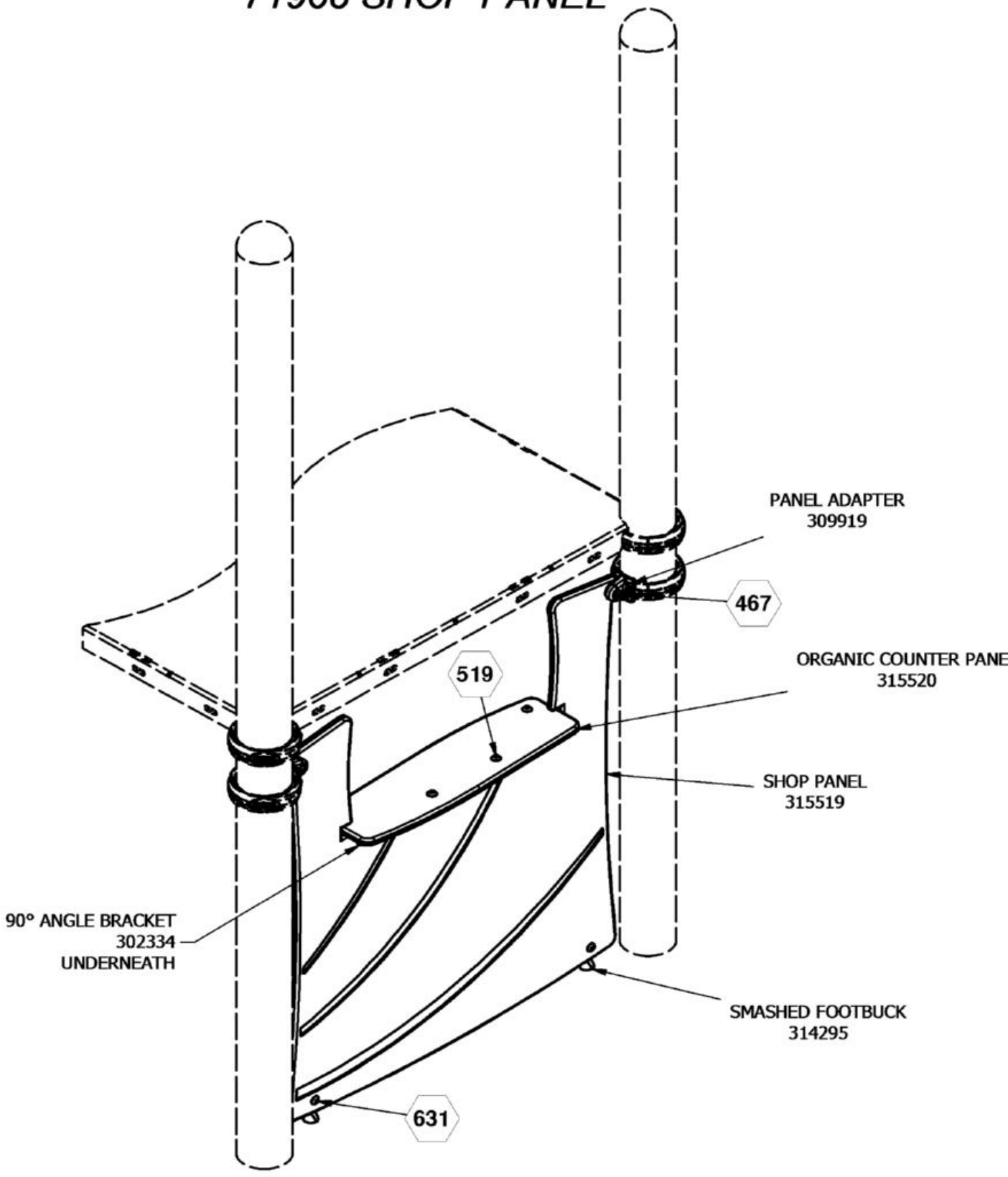
8. When the structure is finished and satisfied, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Install resilient surfacing material within the use zone (burring) on installed hardware like bolts, nuts, etc.

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

SuperMax Play Systems

# 71968 SHOP PANEL



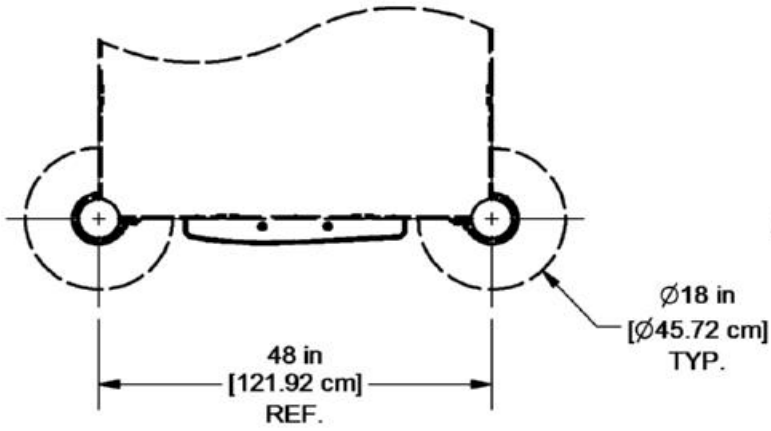

⬡ = INSTALLATION DETAIL

Issued/Revised: 2/15/2021

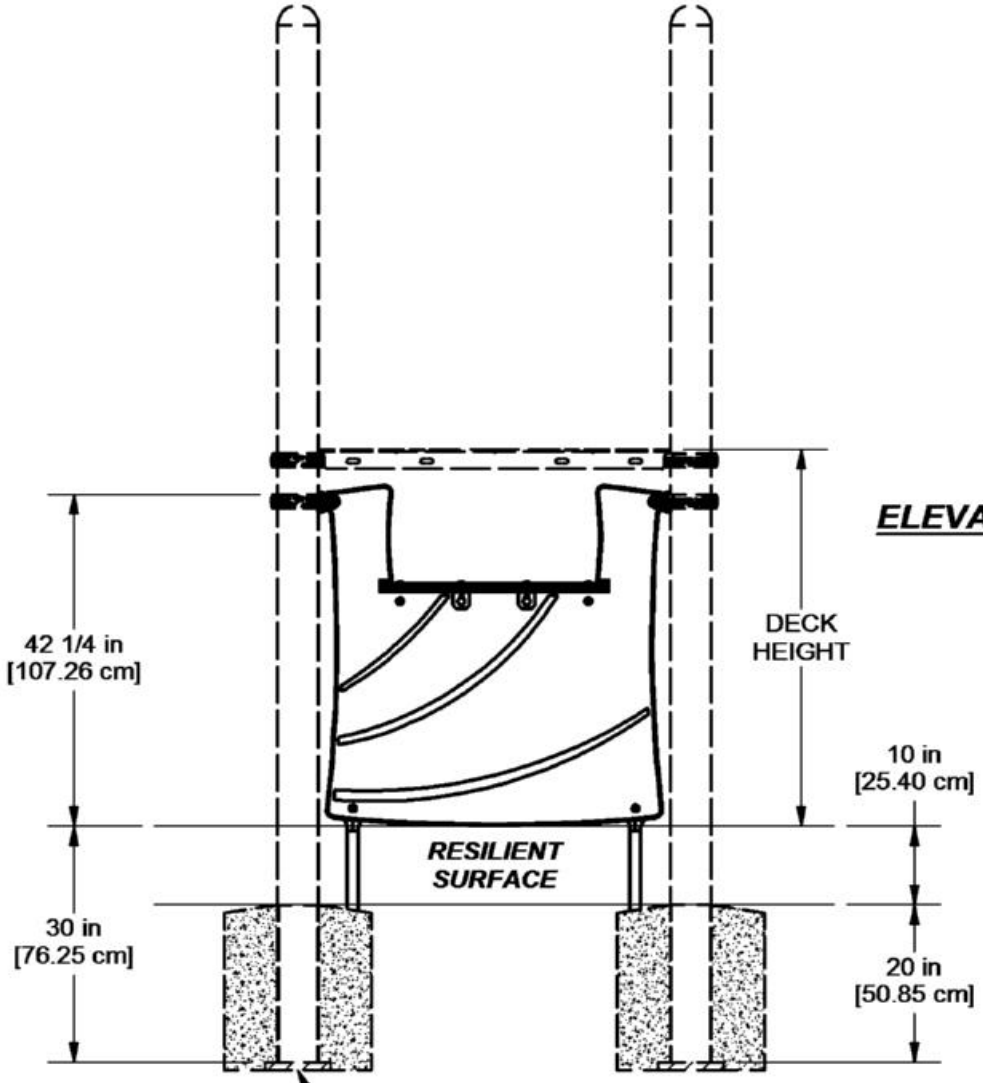
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71968 SHOP PANEL




***PLAN VIEW***

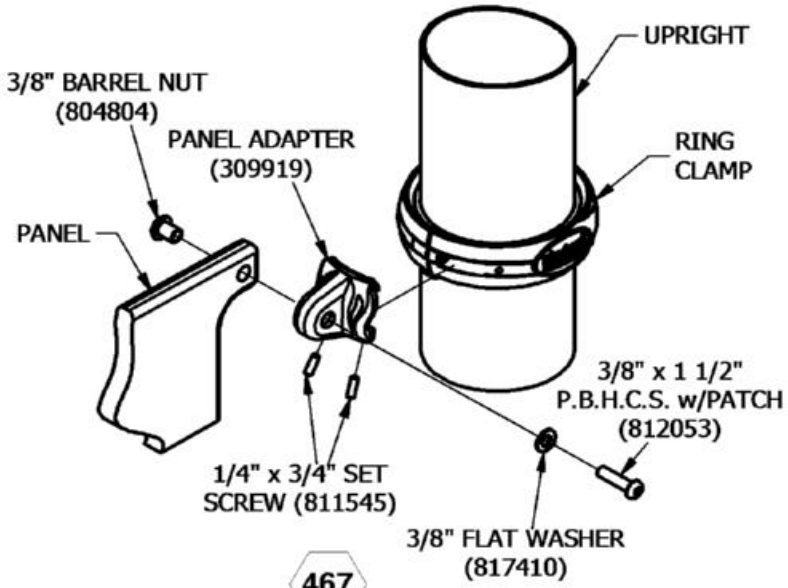



***ELEVATION VIEW***

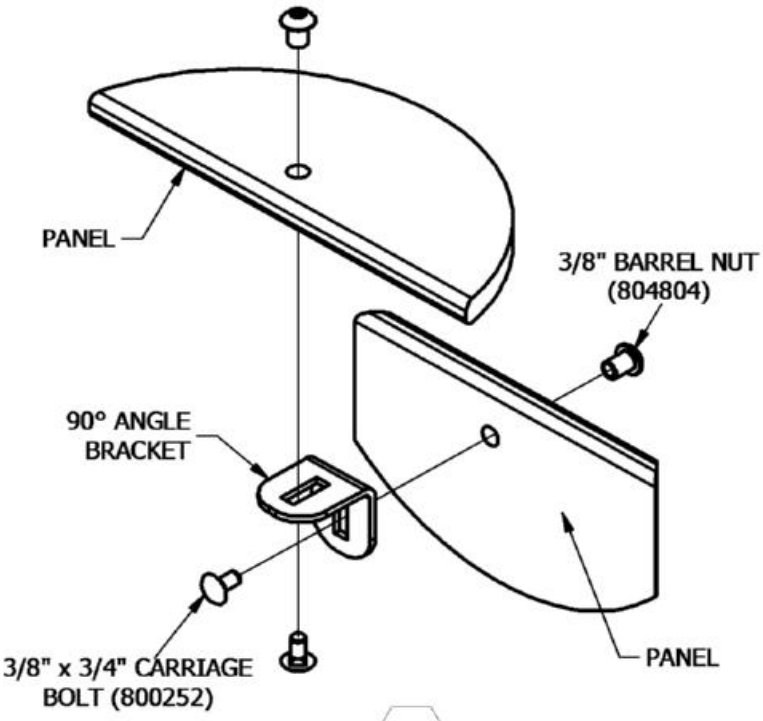
# 71968 SHOP PANEL

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

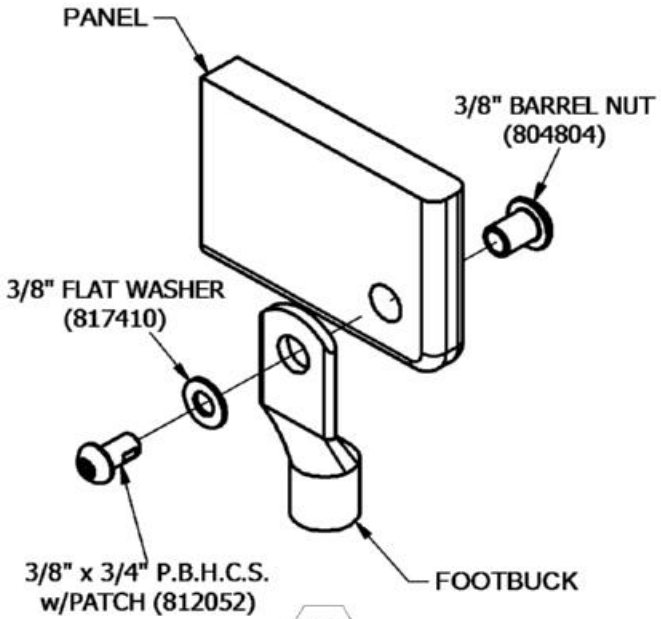
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




467




519




631

Issued/Revised: 2/15/2021

This equipment is designed for children 2-5 or 5-12 years old

# 71969 PARALLAX LEG A

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PANEL ADAPTER | 1 | 309919 |
| PARALLAX LEG A | 1 | 315580 |
| SIDE HDPE | 1 | 315584 |
| ***HARDWARE COMPLETE*** | 1 | 315585 |
| 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. w/PATCH | 1 | 812053 |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 10 | 812057 |
| 3/8" FLAT WASHER | 23 | 817410 |
| 3/8" LOCK WASHER | 10 | 817334 |
| 3/8" BARREL NUT | 13 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## ***INSTALLATION INSTRUCTIONS:***

1. Determine location of Parallax Leg A. Refer to Order Top View.
2. Attach 315580 Parallax Leg A to 71992 Single Parallax Casting. See Detail 1080. Refer to Order Top View for casting locations.
3. Attach 309919 Panel Adapter to Ring Clamp. See Detail 467. Refer to Assembly View for Clamp height.
4. Attach 315584 Side HDPE to 315580 Parallax Leg. See Detail 602 and Detail 467.
5. Attach required climbing elements. See Detail 1084 and Detail 1174. Refer to included Parallax Climber Installation sheets for placement and orientation.
6. Reference order top view and included Parallax Climber installation sheets. If no climbing element attaches to a set of Parallax Leg holes, plug open holes. See Detail 1089.
7. Plumb and level the entire assembly and tighten all fasteners.

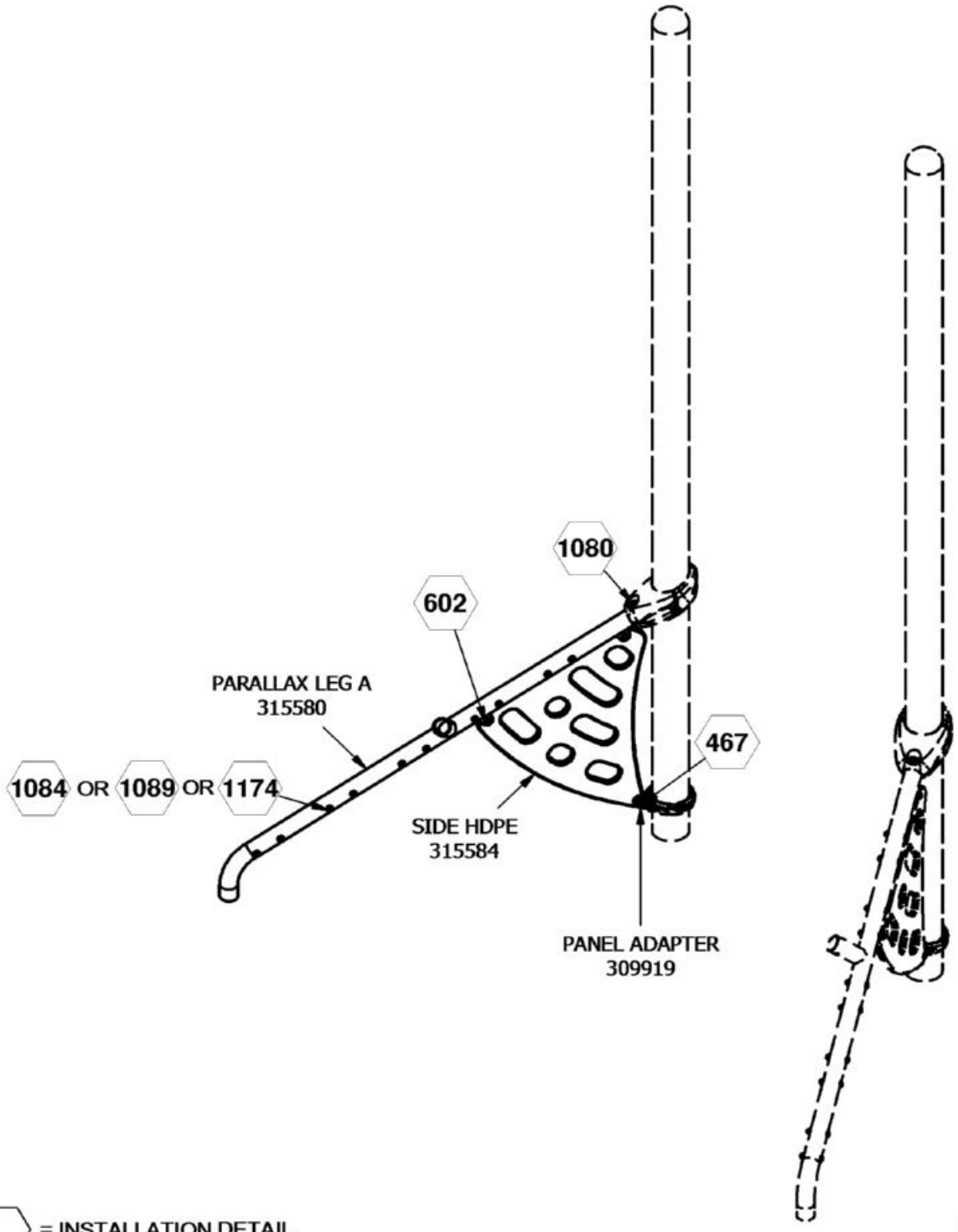
**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

8. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of eqiupment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installated hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

# 71969 PARALLAX LEG A

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



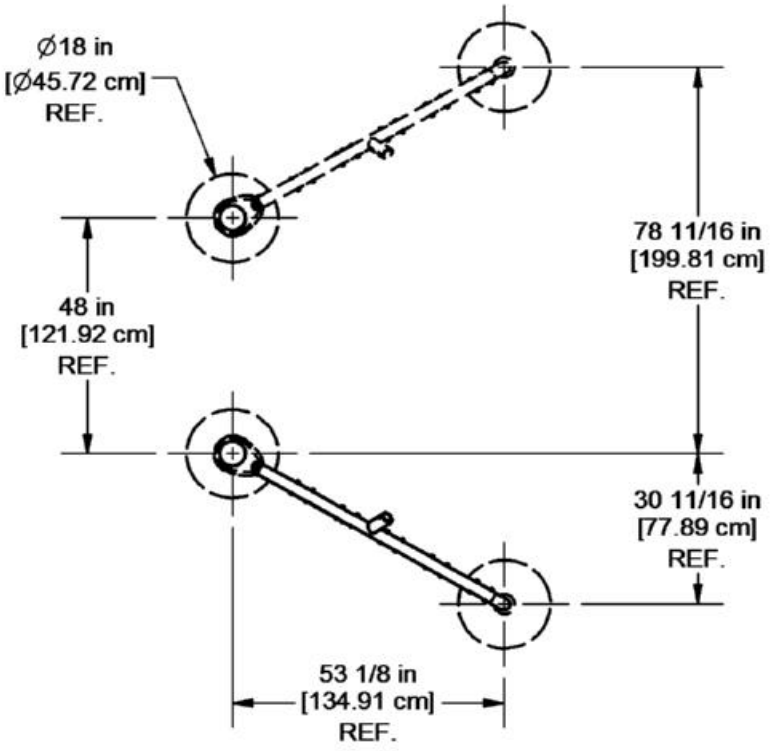

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

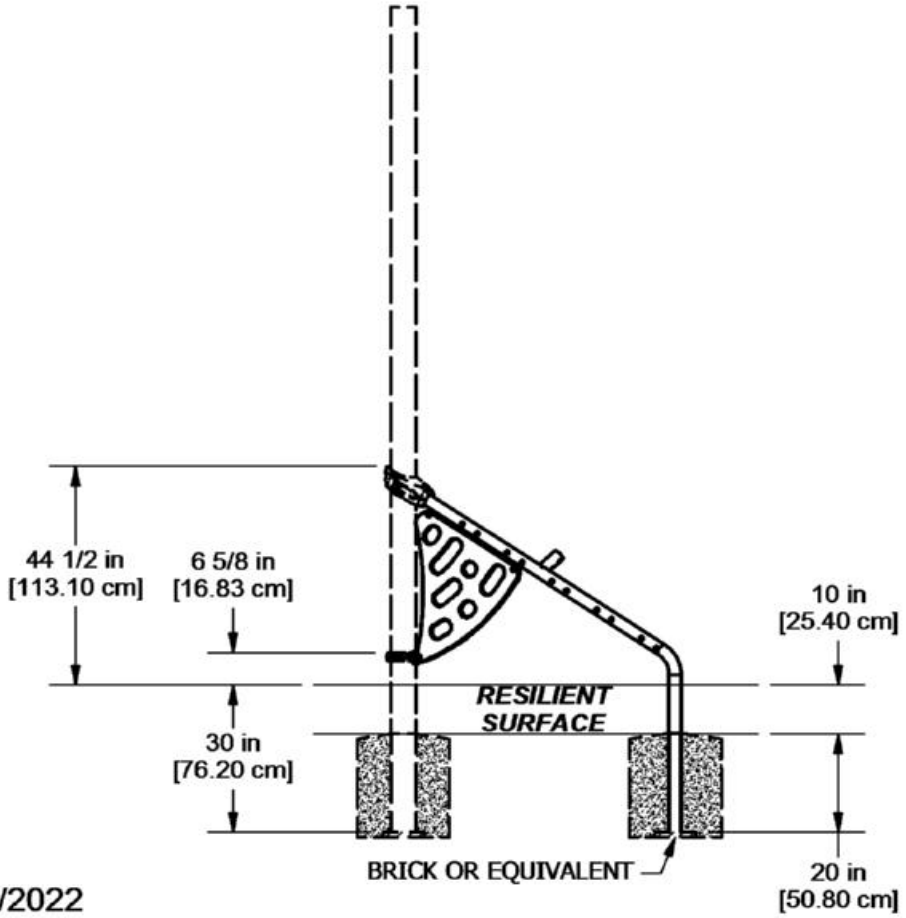
Issued/Revised: 10/6/2022

**FINISHED ASSEMBLY**

# 71969 PARALLAX LEG A



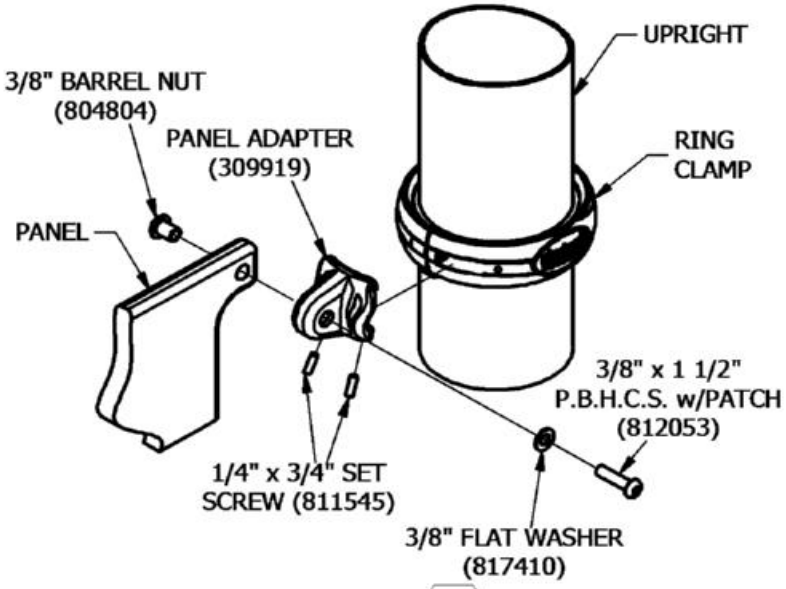

***PLAN VIEW***



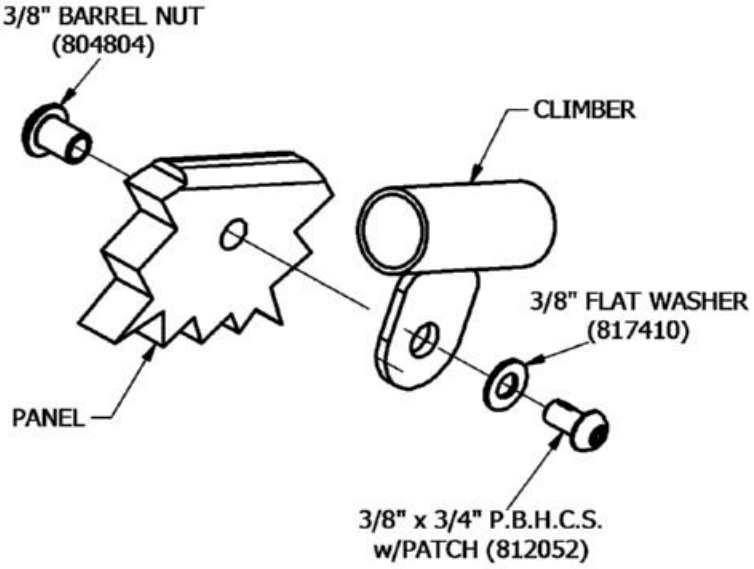

***ELEVATION VIEW***

# 71969 PARALLAX LEG A

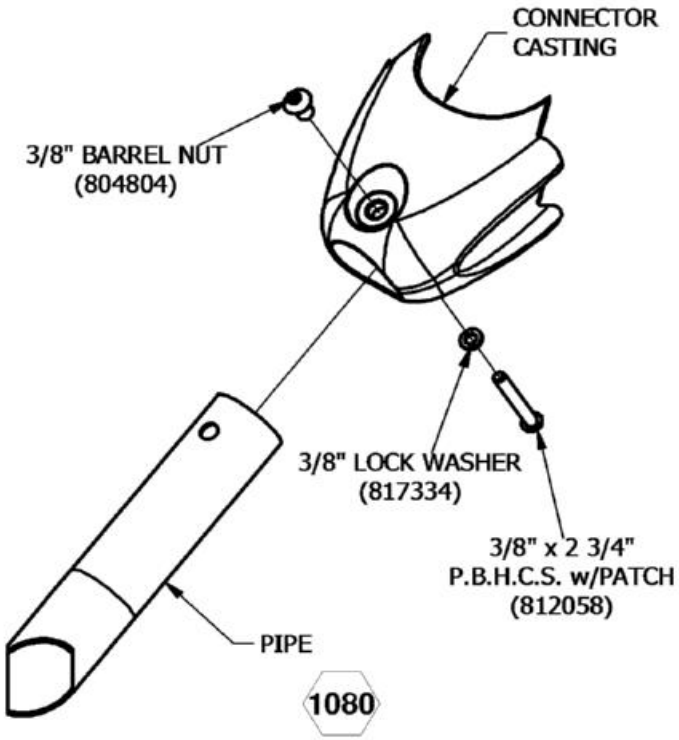
NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



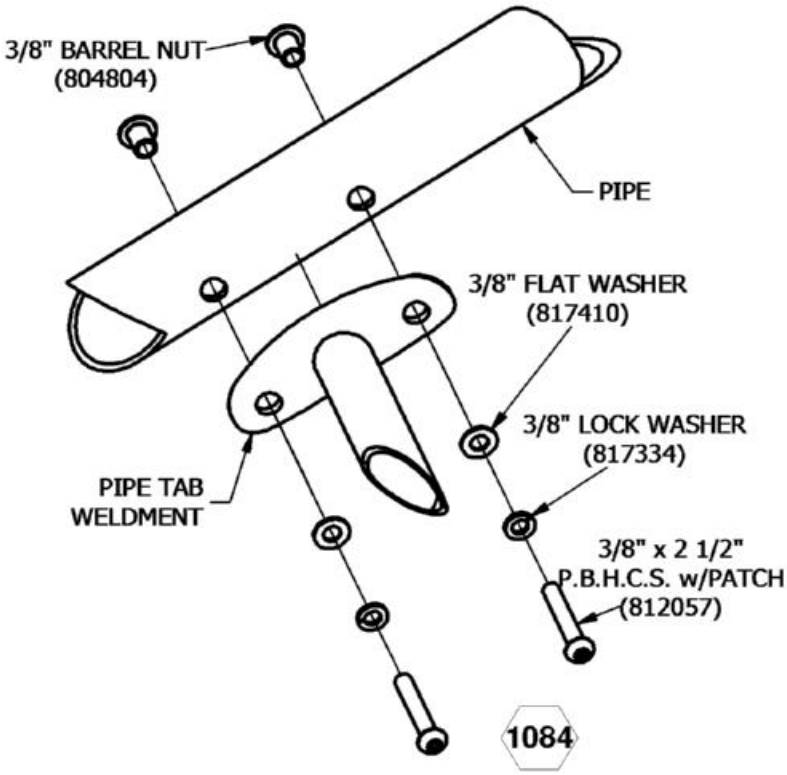

467




602

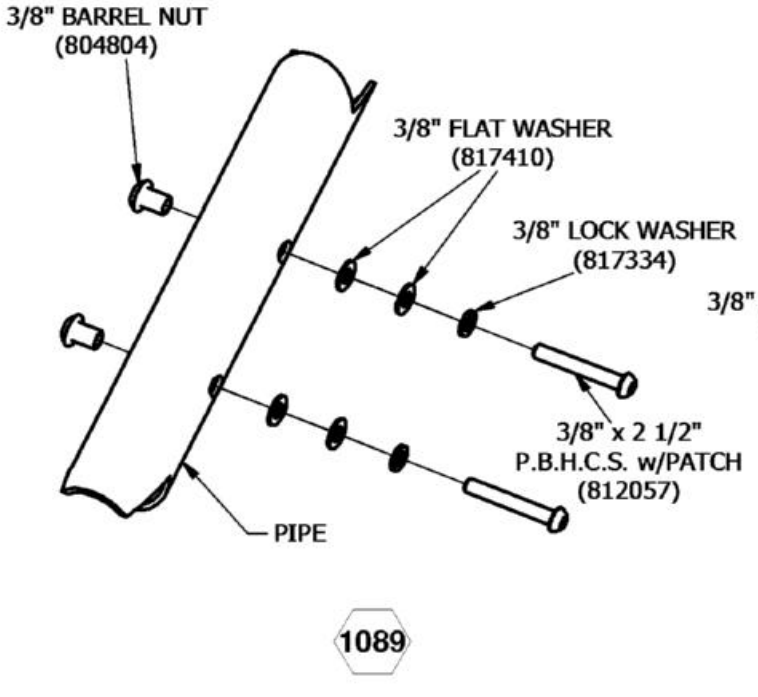



1080

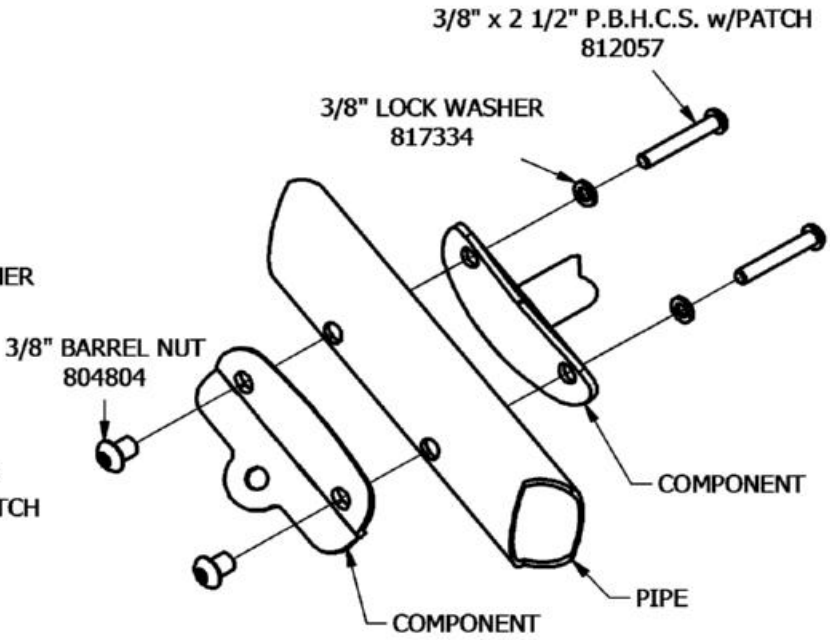



1084

# 71969 PARALLAX LEG A




1089




1174

# 71970 PARALLAX LEG B

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PANEL ADAPTER | 1 | 309919 |
| PARALLAX LEG B | 1 | 315583 |
| SIDE HDPE | 1 | 315584 |
| ***HARDWARE COMPLETE*** | 1 | 315585 |
| 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. w/PATCH | 1 | 812053 |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 10 | 812057 |
| 3/8" FLAT WASHER | 23 | 817410 |
| 3/8" LOCK WASHER | 10 | 817334 |
| 3/8" BARREL NUT | 13 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine location of Parallax Leg B. Refer to Order Top View.
2. Attach 315583 Parallax Leg B to 71992 Single Parallax Casting. See Detail 1080. Refer to Order Top View for casting locations.
3. Attach 309919 Panel Adapter to Ring Clamp. See Detail 467. Refer to Assembly View for Clamp height.
4. Attach 315584 Side HDPE to 315583 Parallax Leg B. See Detail 602 and Detail 467.
5. Attach required climbing elements. See Detail 1084 and Detail 1174. Refer to included Parallax Climber Installation sheets for placement and orientation.
6. Reference order top view and included Parallax Climber installation sheets. If no climbing element attaches to a set of Parallax Leg holes, plug open holes. See Detail 1089.
7. Plumb and level the entire assembly and tighten all fasteners.

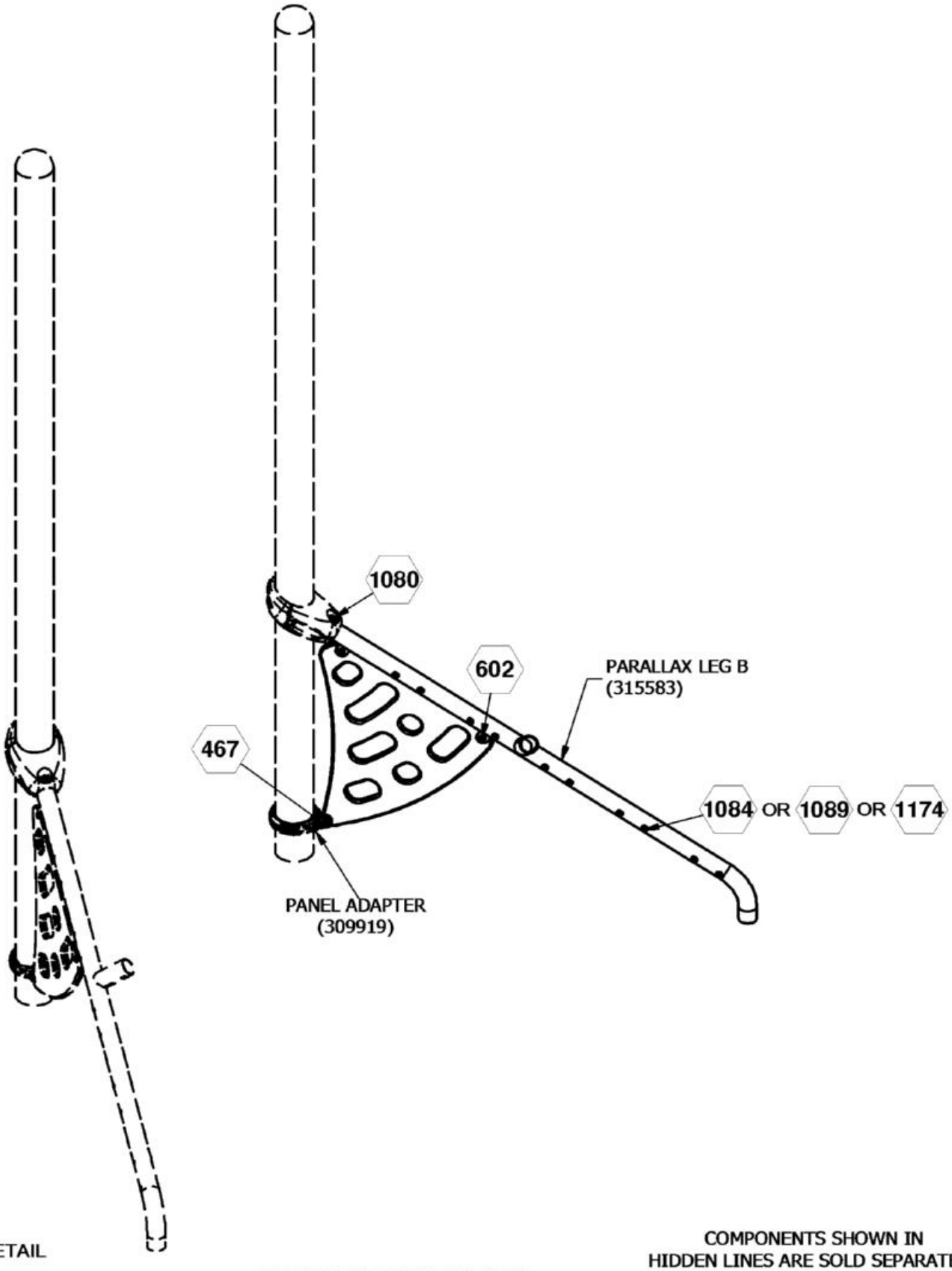
**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

8. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of eqiupment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installated hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

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

# 71970 PARALLAX LEG B



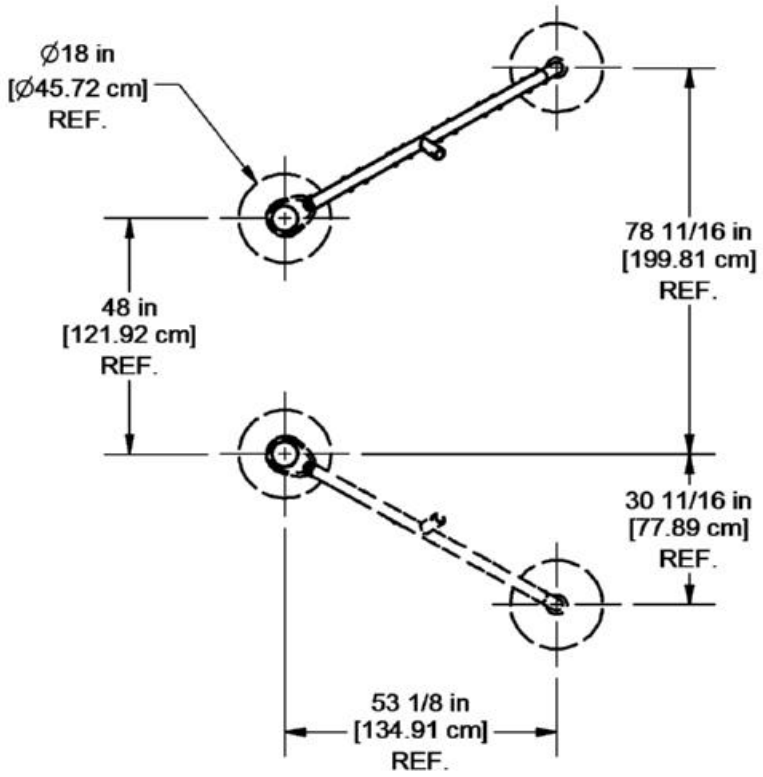

= INSTALLATION DETAIL

Issued/Revised: 10/6/2022

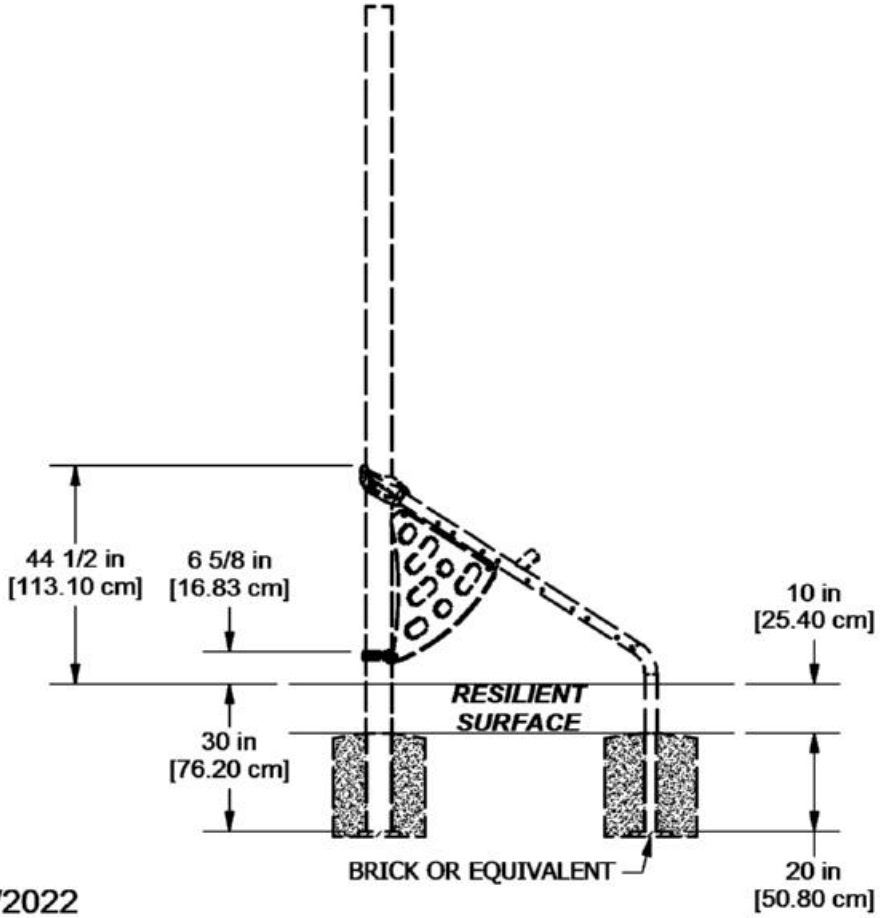
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71970 PARALLAX LEG B




***PLAN VIEW***

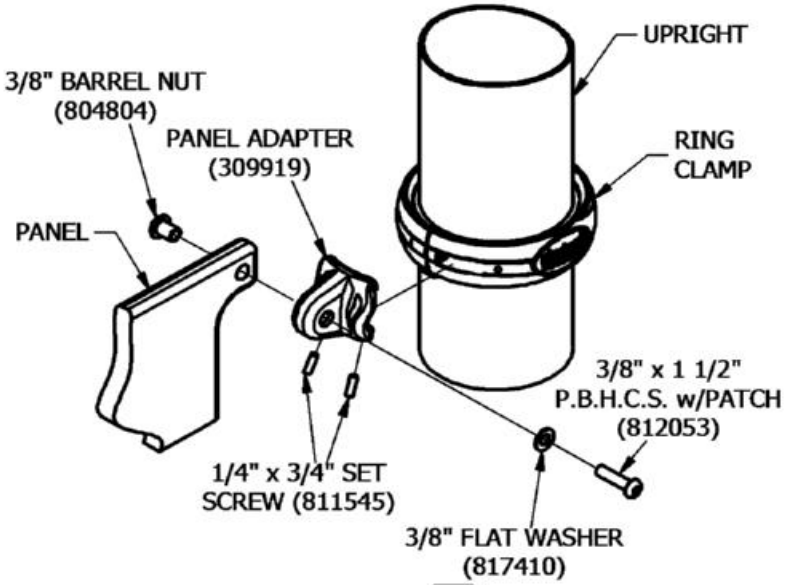



***ELEVATION VIEW***

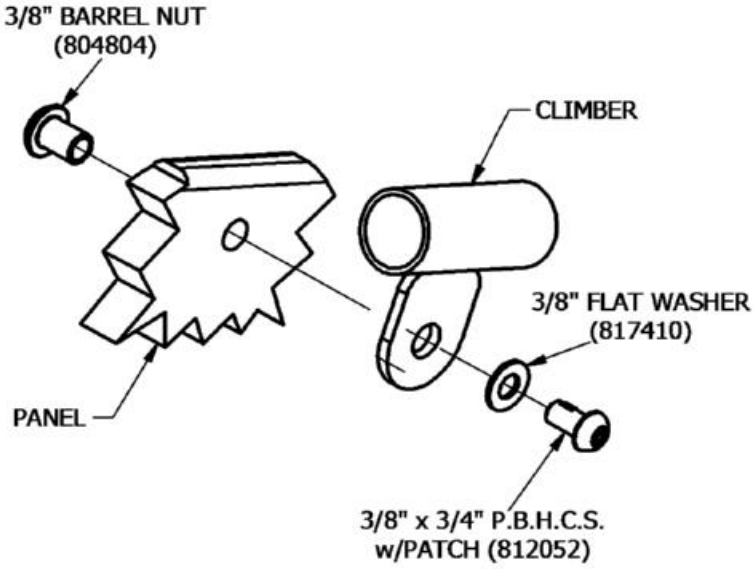
# 71970 PARALLAX LEG B

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

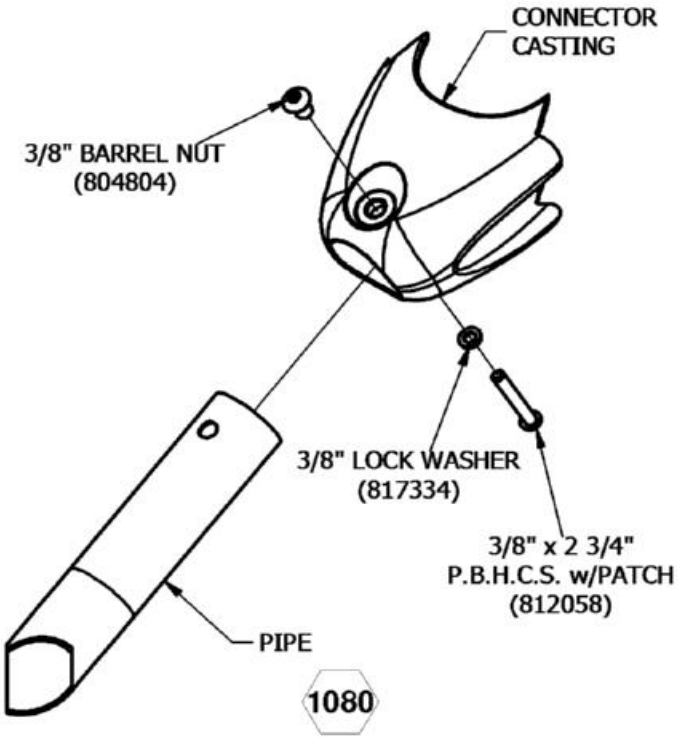
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



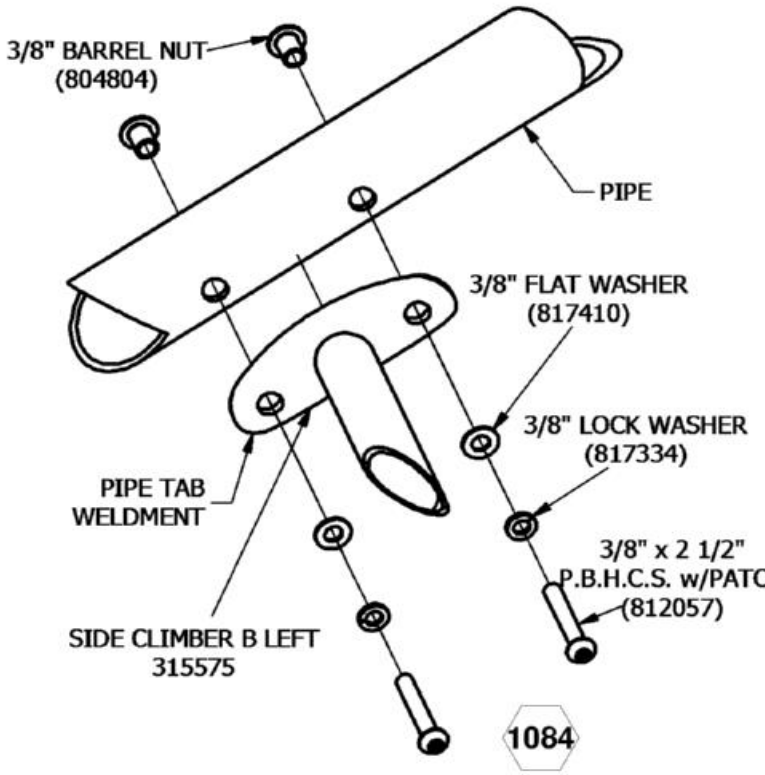

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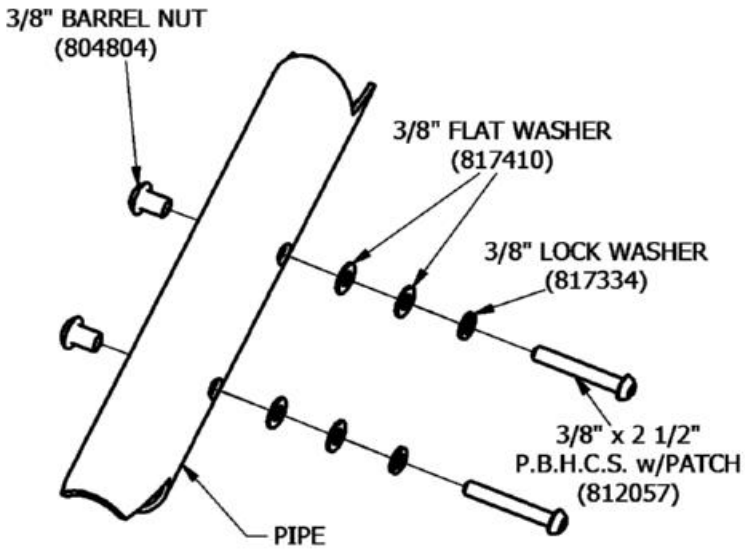



1080

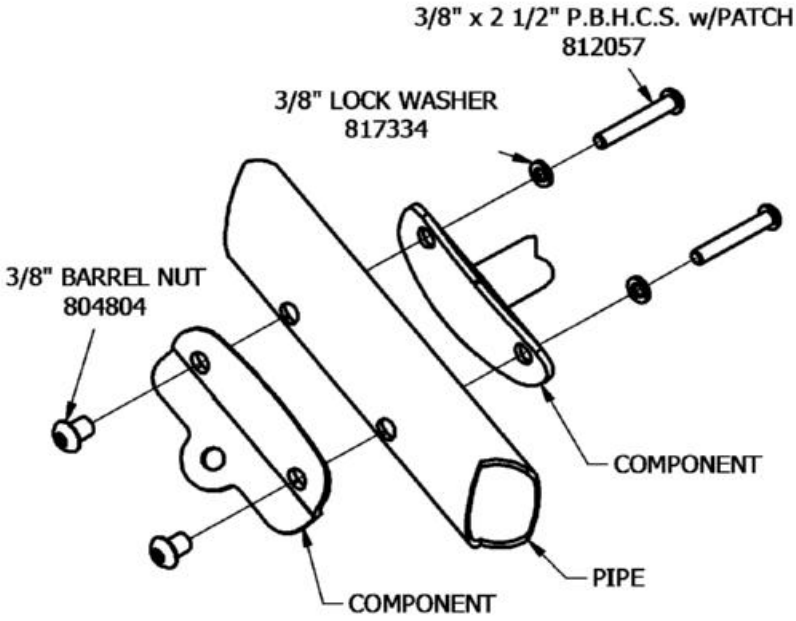



1084

# 71970 PARALLAX LEG B




1089




1174

SuperMax Play Systems

# 71982 HEX STALK TOPPER

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| ROLLED CROSS BRACE | 6 | 315753 |
| TOPPER EXTENSION WELDMENT | 6 | 315759 |
| ***HARDWARE COMPLETE*** | 1 | 315760 |
| 1/2" x 5 1/2" B.H.C.S. | 24 | 811071 |
| 1/2" LOCKWASHER | 24 | 817342 |
| 1/2" HEX NUT | 24 | 804055 |
| O-RING | 18 | 169362 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
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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.***

## INSTALLATION INSTRUCTIONS:

1. Refer to the overhead drawing to locate the six posts, which will recieve the Parallax Roof. All six posts must be at the same height, with a minimum of 84" clearance over any deck below. As posts are not included in this package, they must be installed per seperate instructions prior to installing this roof.

2. Attach Topper Extension Weldments to Uprights. See Finished Assembly view and Detail 865.

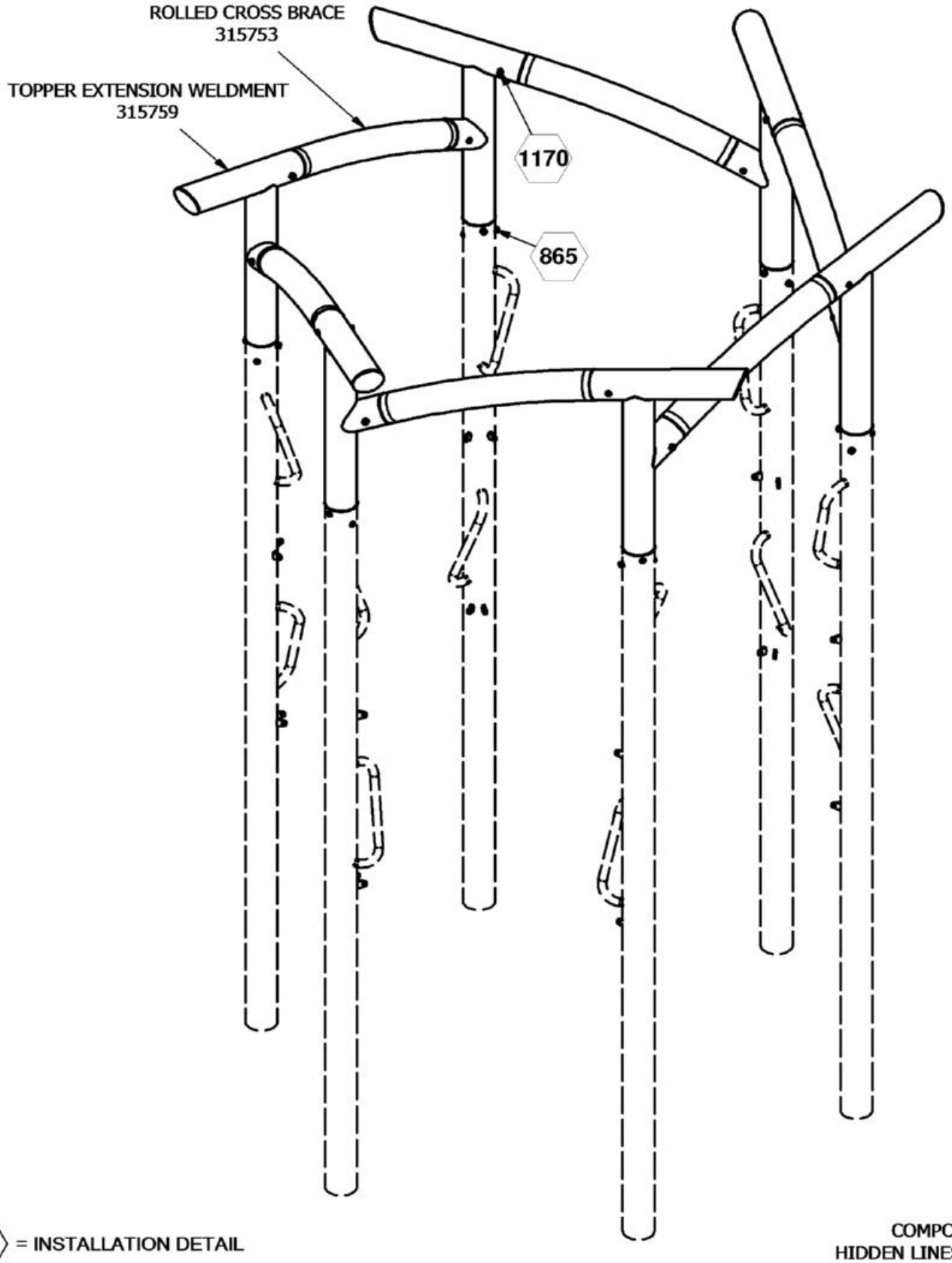
3. Attach Rolled Cross Braces to Topper Extension Weldments. See Detail 1170.

4. Plumb and level the entire assembly and tighten all fasteners.

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

# 71982 HEX STALK TOPPER




⬡ = INSTALLATION DETAIL

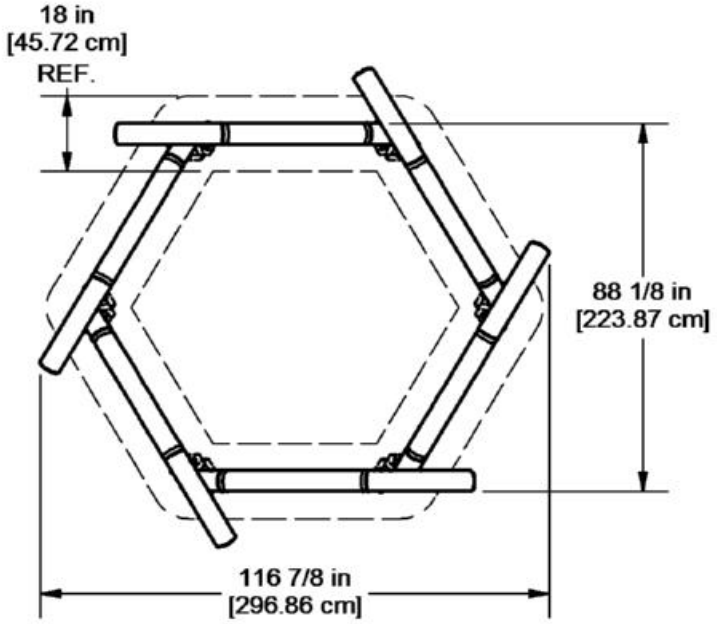
Issued/Revised: 8/11/2022

***FINISHED ASSEMBLY***

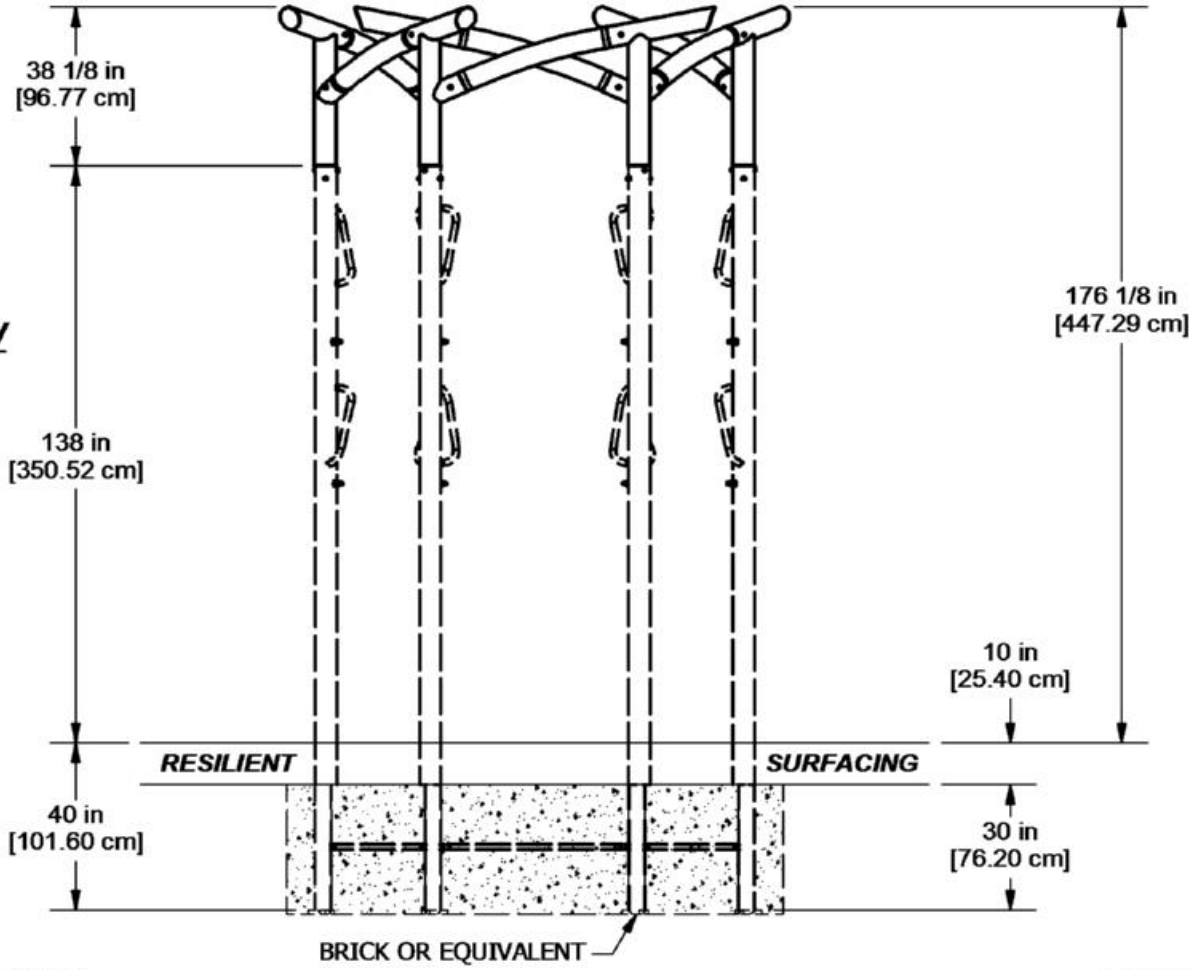
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71982 HEX STALK TOPPER

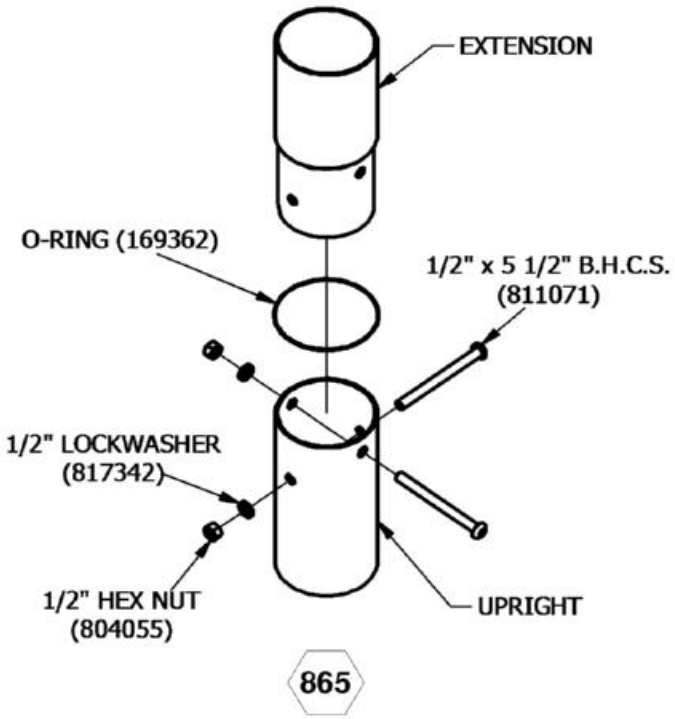
## PLAN VIEW

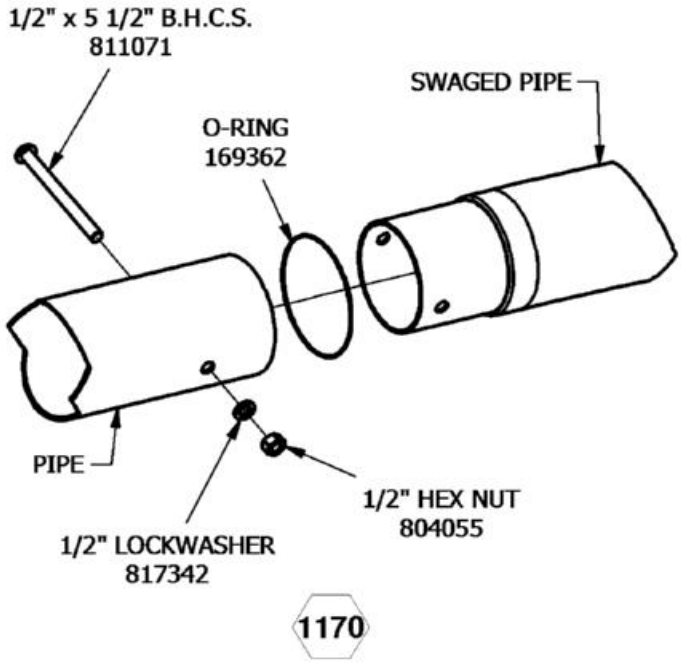



## ELEVATION VIEW



# 71982 HEX STALK TOPPER



# 71992 SINGLE PARALLAX CASTING

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| CONNECTOR CASTING A | 1 | 315744 |
| CONNECTOR CASTING B | 1 | 315745 |
| ***HARDWARE COMPLETE*** | 1 | 315742 |
| 1/4" x 1" DRIVE RIVET | 1 | 805302 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 812053 |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 1 | 812058 |
| 3/8" FLAT WASHER | 2 | 817410 |
| 3/8" LOCK WASHER | 3 | 817334 |
| 3/8" BARREL NUT | 1 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine location of Single Parallax Casting. Refer to Order Top View for locations.

2. Attach Single Parallax Casting to upright. See Detail 1090.

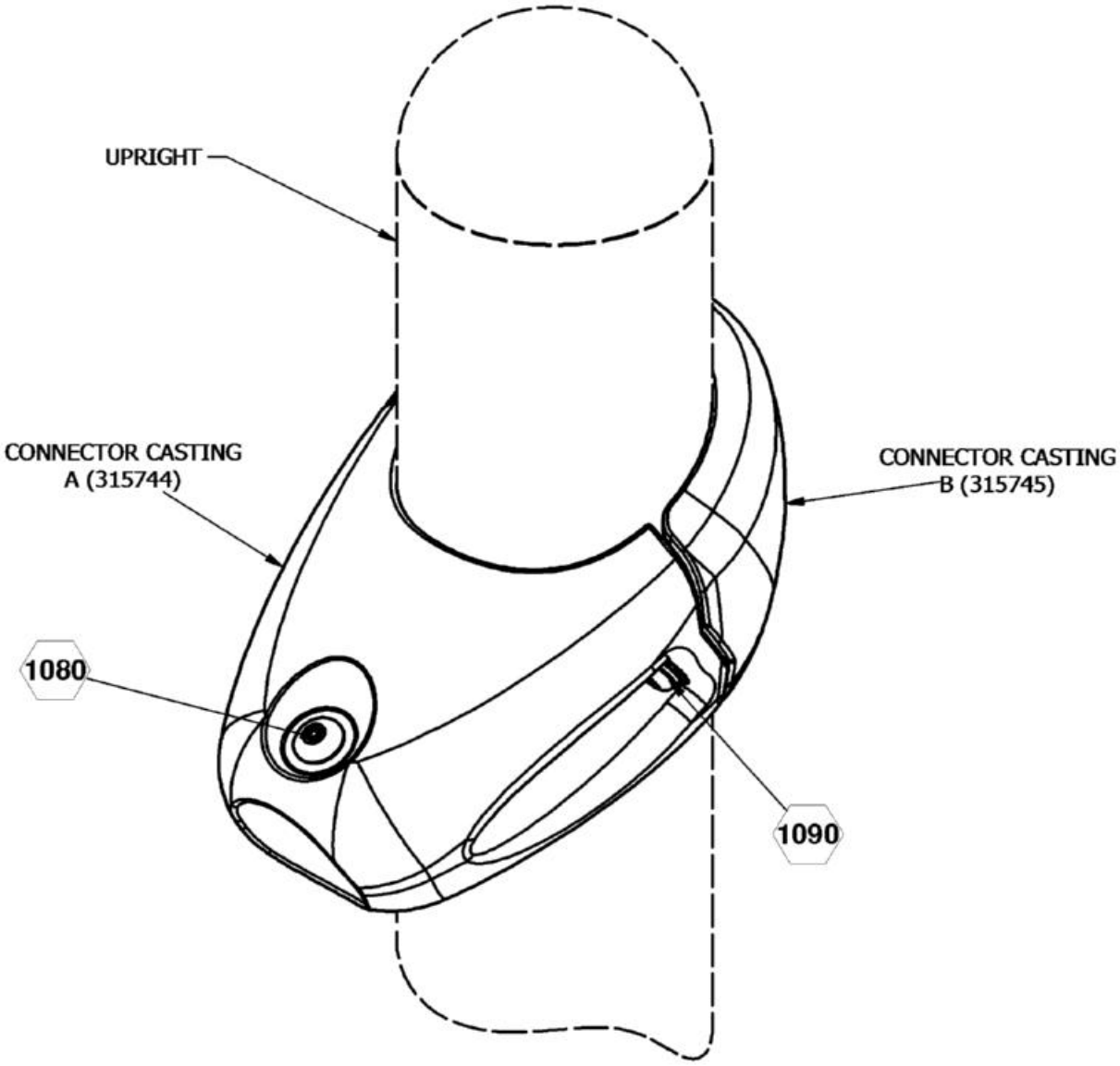
3. Attach required Parallax Leg or climbing element to Single Parallax Casting. See Detail 1080.

4. Plumb and level the entire assembly and tighten all fasteners.

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

# 71992 SINGLE PARALLAX CASTING



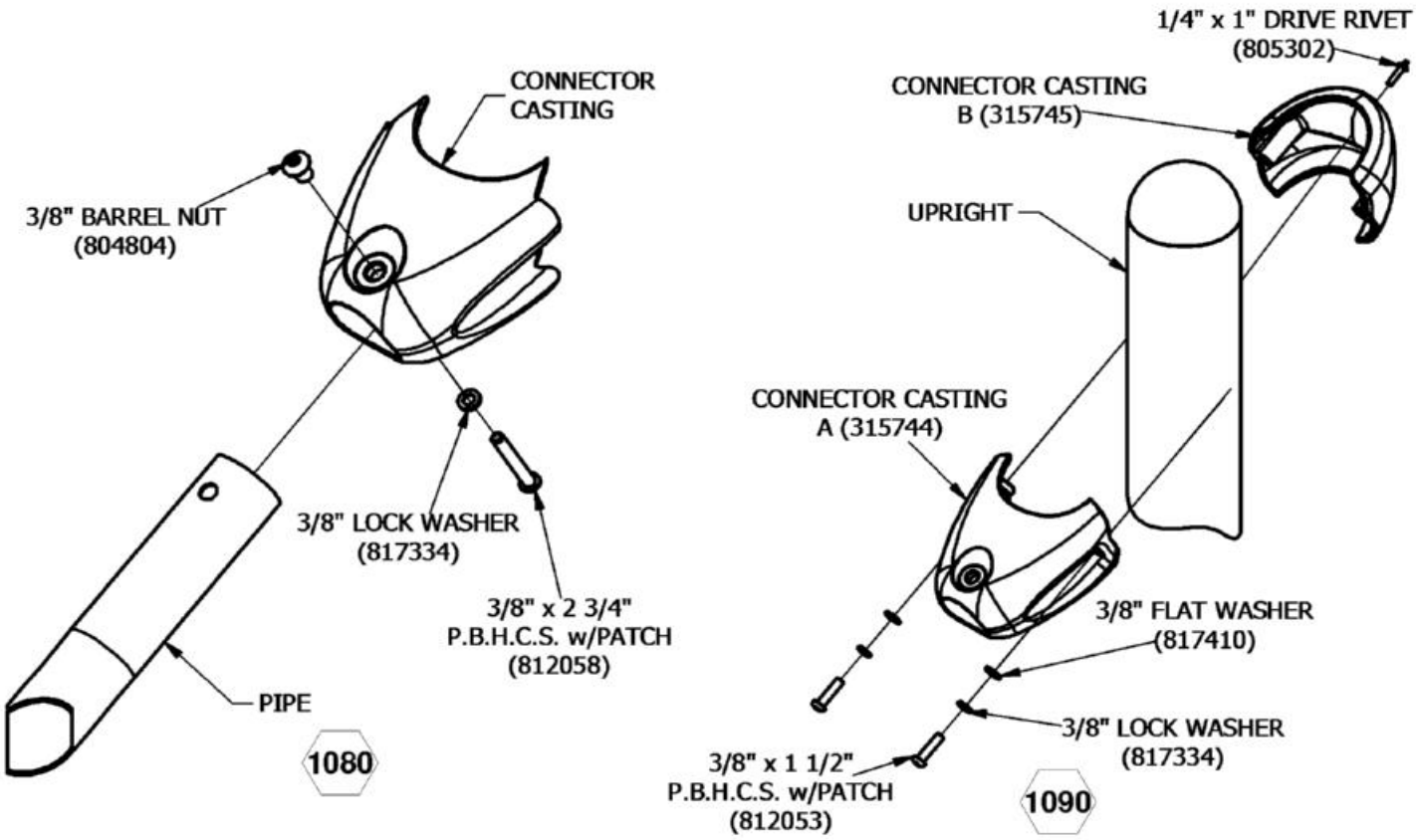

= INSTALLATION DETAIL

Issued/Revised: 6/8/2021

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

# 71992 SINGLE PARALLAX CASTING



SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 72066 INTERACTIVE SENSOR PANEL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SUPPORT PIPE | 2 | 307586 |
| PANEL ADAPTER | 2 | 309919 |
| SM ACTIVITY PANEL | 1 | 313586 |
| ***HARDWARE COMPLETE*** | 1 | 313459 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 812050 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 812056 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 817424 |
| 3/8" BARREL NUT | 2 | 804804 |
| 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

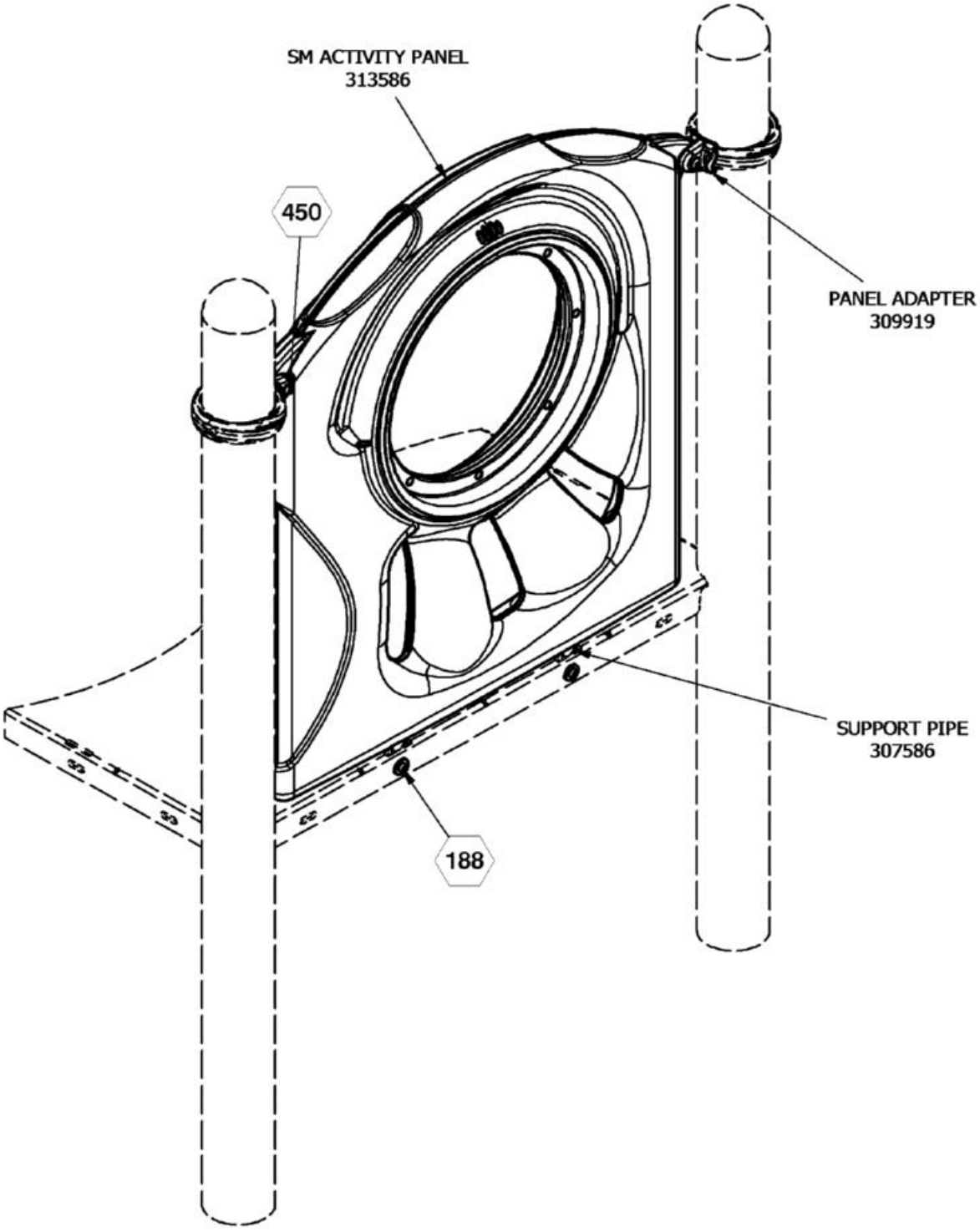
1. Determine which deck is to receive the Interactive Sensor Panel. Refer to Order Top View.
2. Attach the Support Pipes to the deck. See Detail 188.
3. Attach the Panel Adapters to the Ring Clamps. See Detail 450.
4. Slide the Activity Panel onto the Support Pipes and connect it to the Panel Clamps. See Detail 450.
5. Plumb and level the entire assembly and tighten all fasteners.
6. When the structure is finished and satisfactory, install Drive Rivets to all clamps to ensure clamps cannot slide down posts. See Pipe Clamps sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Eliminate sharp points and sharp 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.

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

SuperMax Play Systems

# 72066 INTERACTIVE SENSOR PANEL



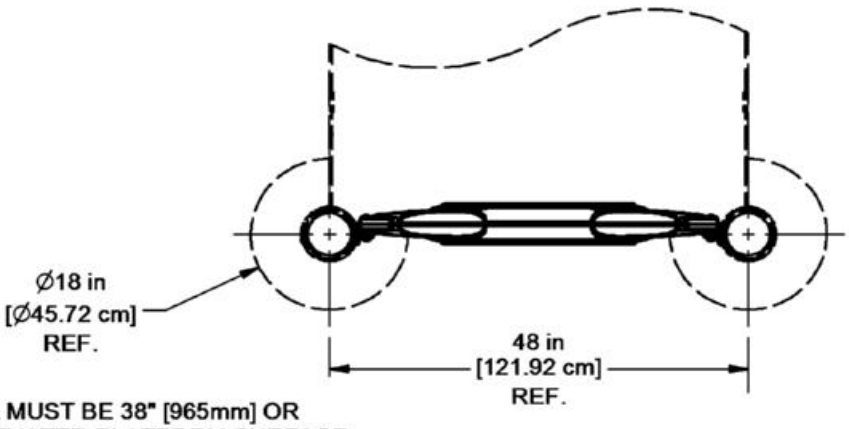

= INSTALLATION DETAIL

Issued/Revised: 12/14/2022

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

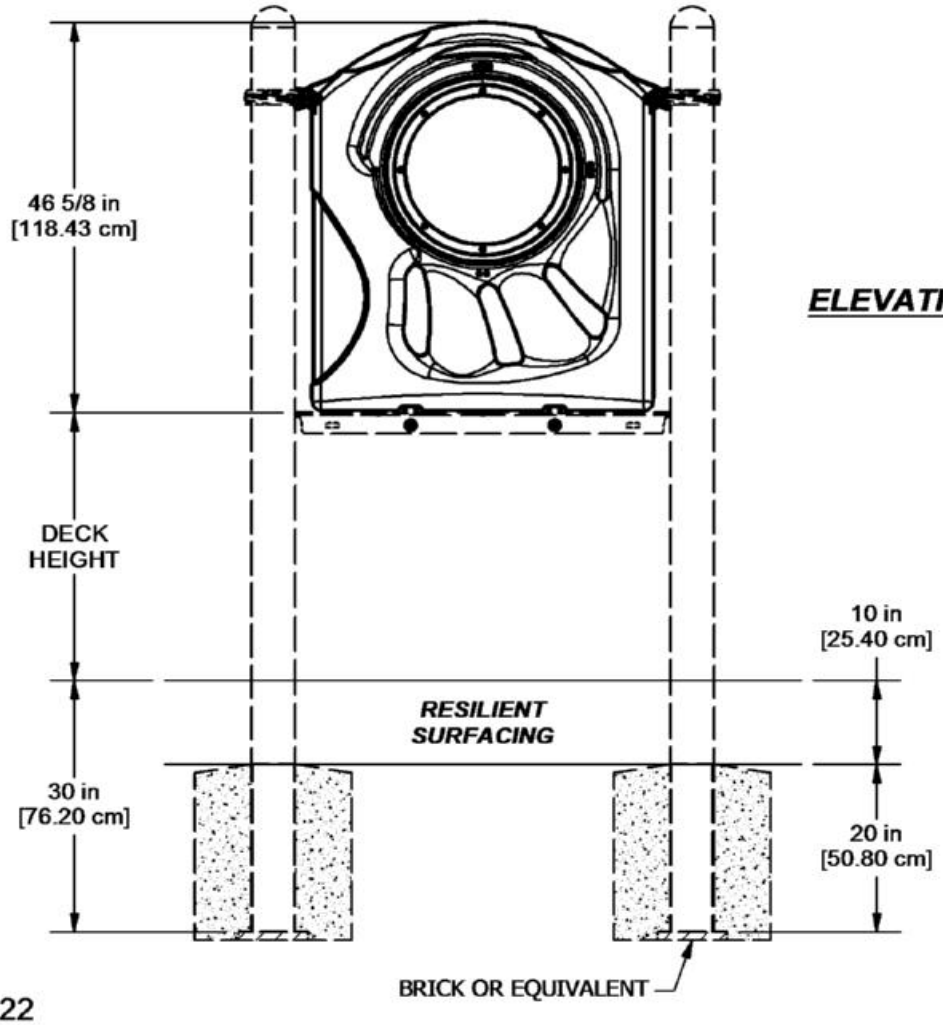
# 72066 INTERACTIVE SENSOR PANEL




***PLAN VIEW***

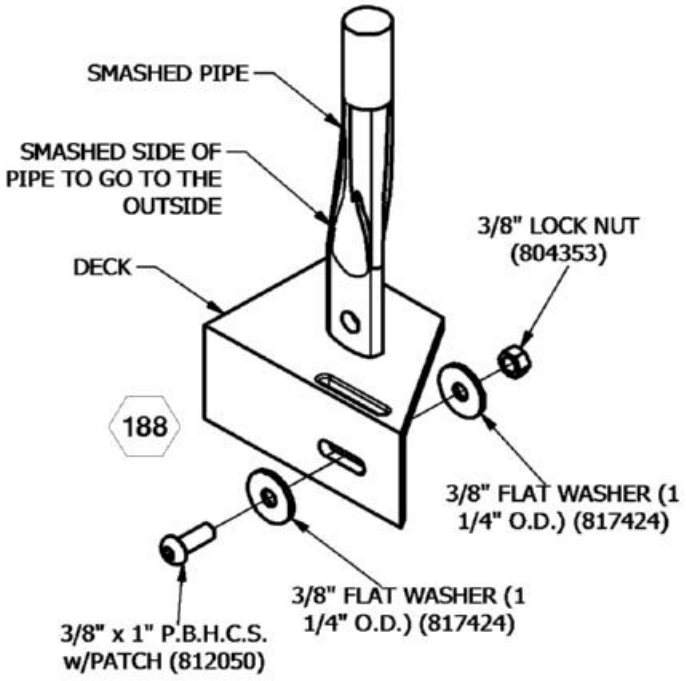
NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

TOP EDGE OF PANEL MUST BE 29" [736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.



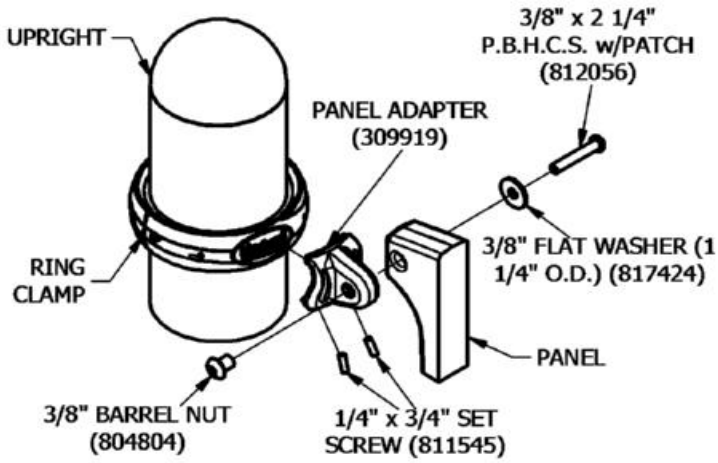

***ELEVATION VIEW***

# 72066 INTERACTIVE SENSOR PANEL




NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




450

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 72075 MAZE ACTIVITY PANEL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PANEL ADAPTER | 2 | 309919 |
| CRAWL TUNNEL PANEL | 1 | 309997 |
| MOUNTING BRACKET | 1 | 310919 |
| SUPERMAX MAZE ACTIVITY PANEL | 1 | 316392 |
| ***HARDWARE COMPLETE*** | 1 | 316393 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 5/16" x 1 1/2" P.B.H.C.S. w/PATCH | 12 | 812045 |
| 5/16" LOCK WASHER | 12 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 12 | 817406 |
| 5/16" T-NUT | 12 | 804555 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 812050 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 812056 |
| 3/8" LOCK WASHER | 2 | 817334 |
| 3/8" FLAT WASHER | 2 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| 3/8" BARREL NUT | 2 | 804804 |
| 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

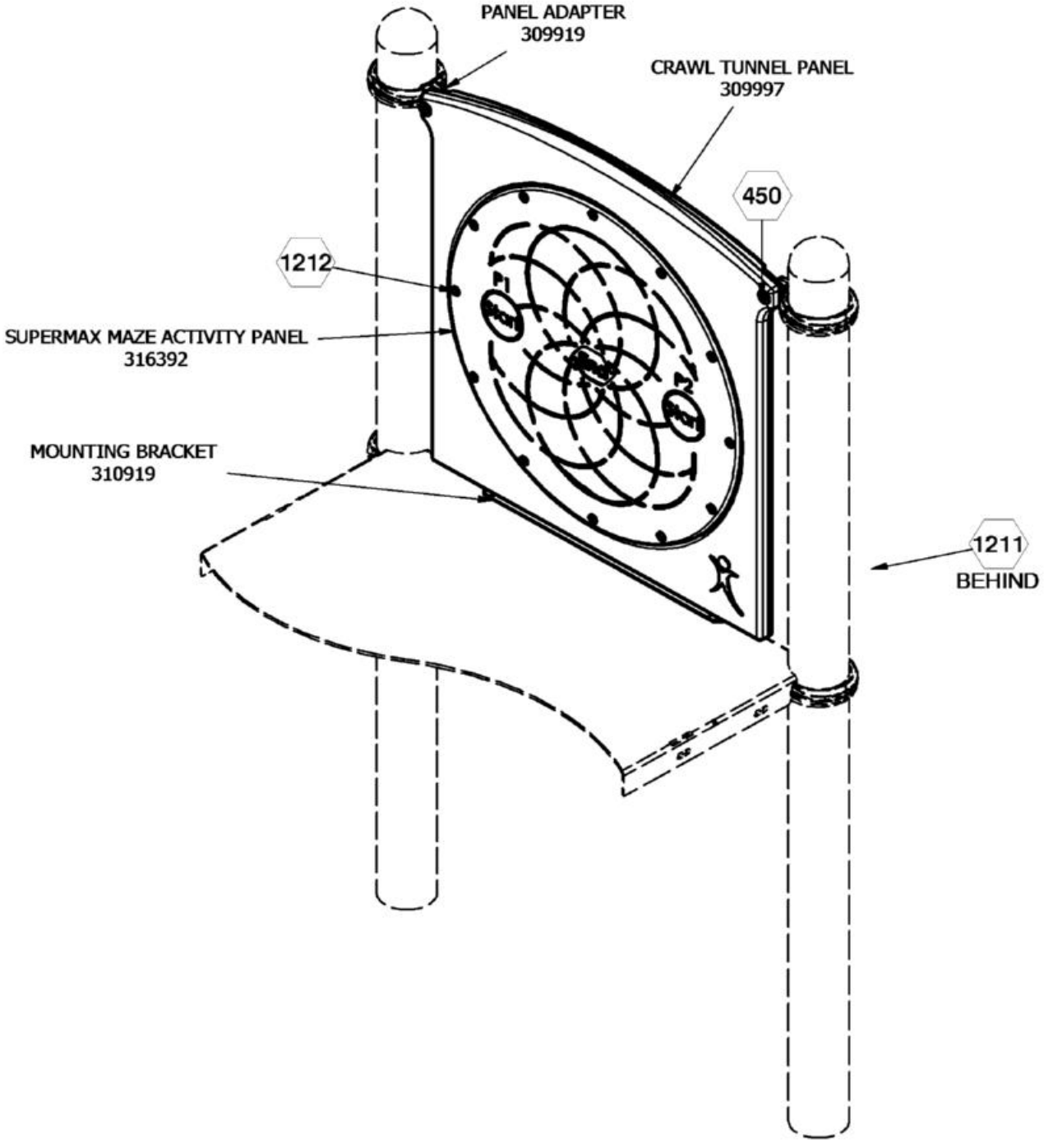
1. Determine which deck is to receive the Maze Activity Panel. Refer to Order Top View.
2. Attach the Panel Mounting Bracket to the deck. See Detail 1211.
3. Attach Maze Activity Panel to Crawl Tube Panel. See Detail 1212.
4. Loosely attach Ring Clamps. Refer to seperate Ring Clamp installation sheet.
5. Attach Panel Adapters to Ring Clamps. See Detail 450.
6. Slide the Maze Activity Panel assembly onto the Panel Mounting Bracket and attach it to the Panel Adapters. See Detail 450. Refer to Finished Assembly view for correct orientation.
7. Plumb and level the entire assembly and tighten all fasteners.

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

SuperMax Play Systems

# 72075 MAZE ACTIVITY PANEL



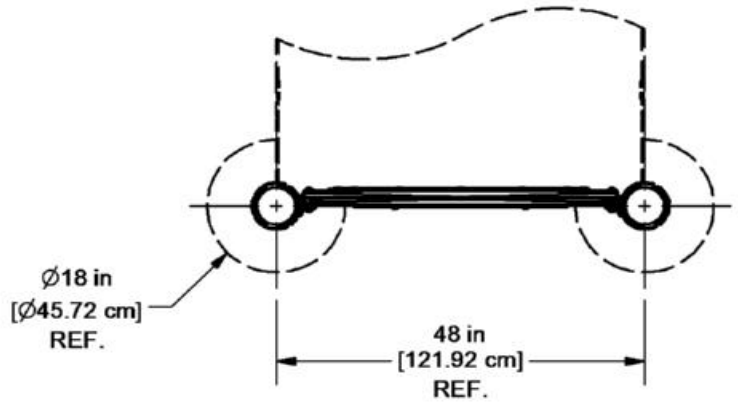

⬡ = INSTALLATION DETAIL

Issued/Revised: 3/15/2023

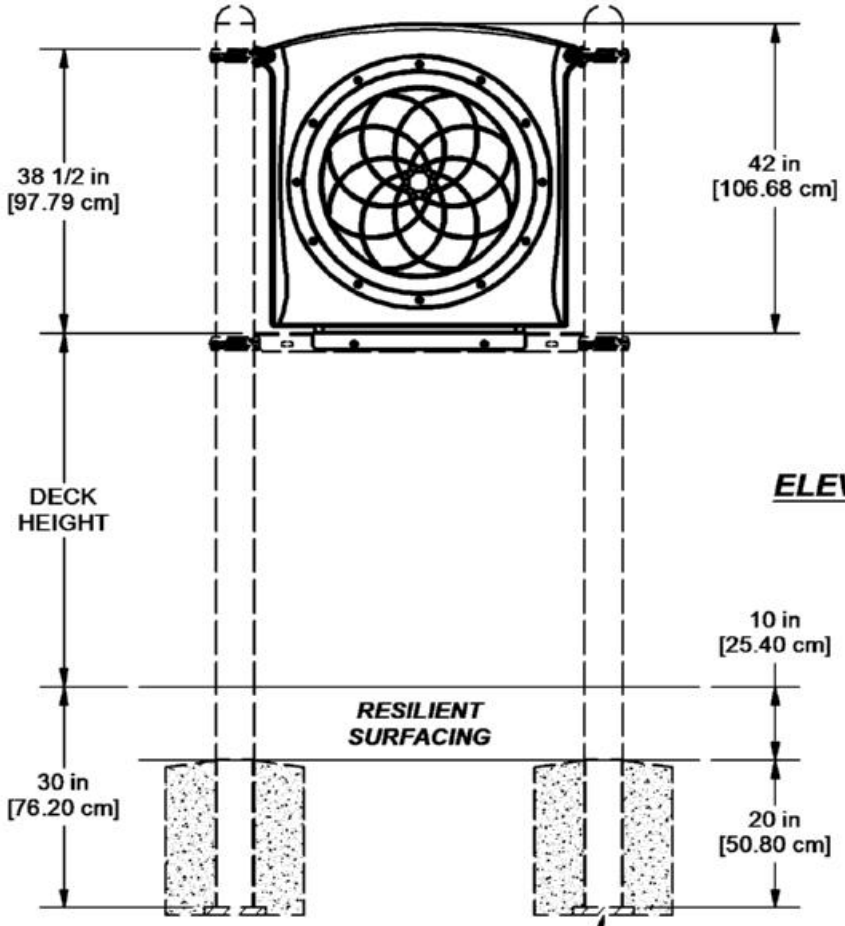
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 72075 MAZE ACTIVITY PANEL




***PLAN VIEW***

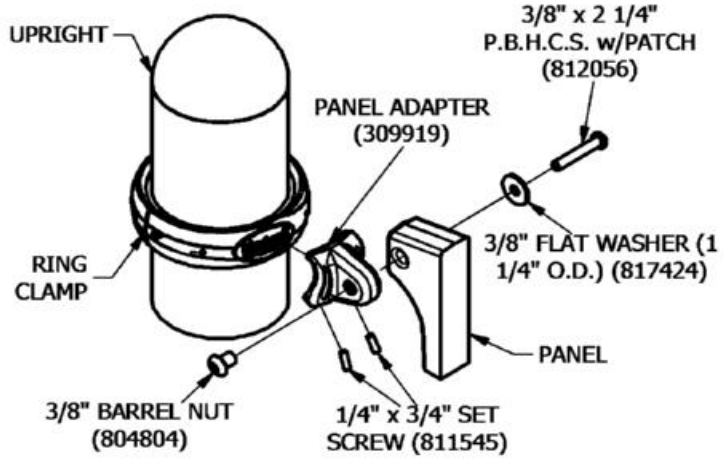



***ELEVATION VIEW***

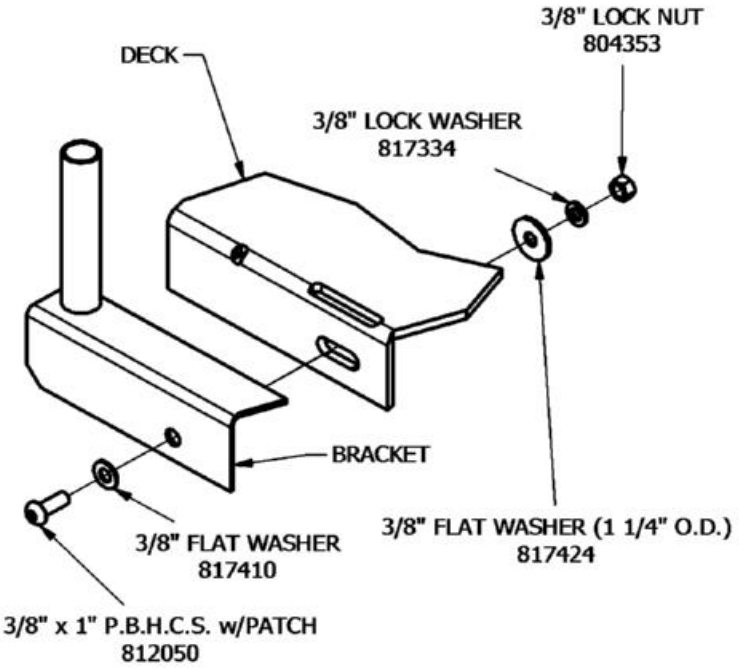
# 72075 MAZE ACTIVITY PANEL

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

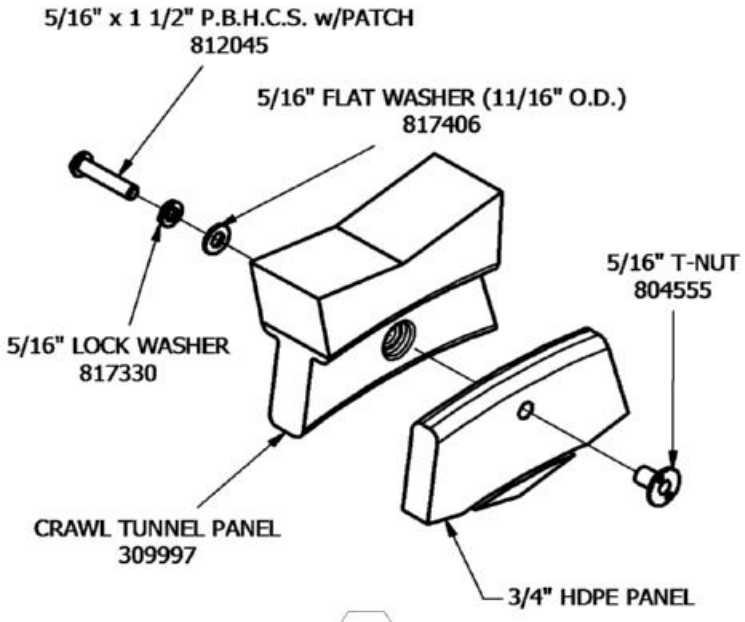
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




450




1211




1212

# 72093 LOOKOUT BARRIER

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PIPE ADAPTER | 2 | 309915 |
| BARRIER SHEET METAL BOTTOM | 1 | 316652 |
| BARRIER SHEET METAL | 1 | 316654 |
| LOOKOUT BARRIER | 1 | 316656 |
| ***HARDWARE COMPLETE*** | 1 | 316659 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 21 | 812040 |
| 5/16" LOCK WASHER | 21 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 42 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 21 | 804352 |
| 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 | 2 | 812054 |
| 3/8" LOCK WASHER | 2 | 817334 |
| 3/8" FLAT WASHER | 2 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| 3/8" BARREL NUT | 2 | 804804 |
| 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Lookout Barrier. Refer to order Top View.

2. Attach the Barrier Sheet Metal Bottom to Barrier Sheet Metal. See Detail 1248.

3. Attach the assembled Barrier Sheet Metal to the Lookout Barrier. See Detail 1248.

4. Loosely attach Ring Clamps to Uprights. Refer to seperate Ring Clamp Installation Sheet.

5. Attach the assembled Lookout Barrier to the Ring Clamps. See Detail 448.

6. Attach the assembled Lookout Barrier to the deck. See Detail 026.

7. Plumb and level the entire assembly and tighten all fasteners

**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

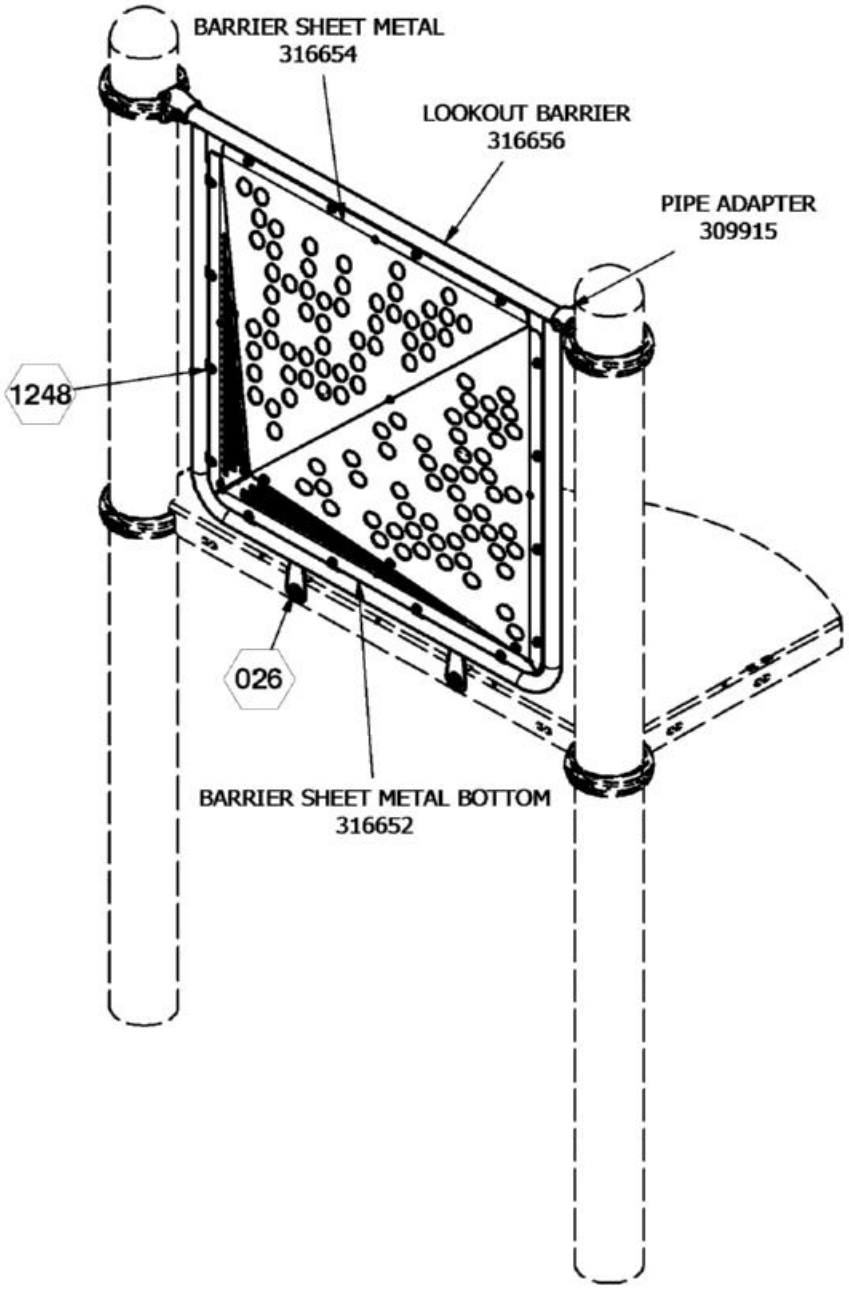
8. When the stucture is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidlines.

SuperMax Play Systems

# 72093 LOOKOUT BARRIER

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



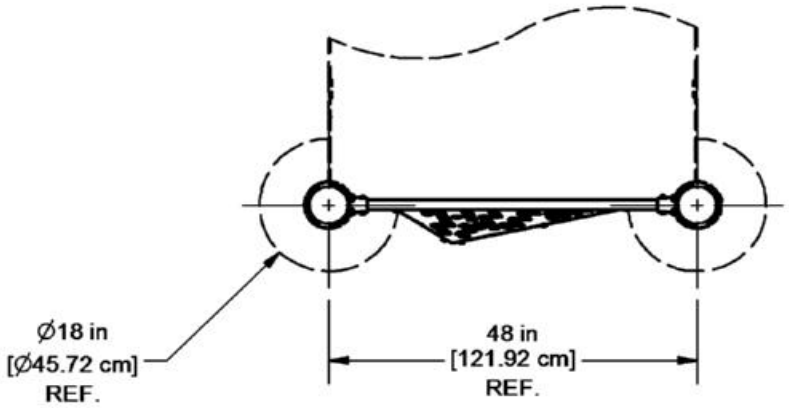

⬡ = INSTALLATION DETAIL

Issued/Revised: 11/16/2023

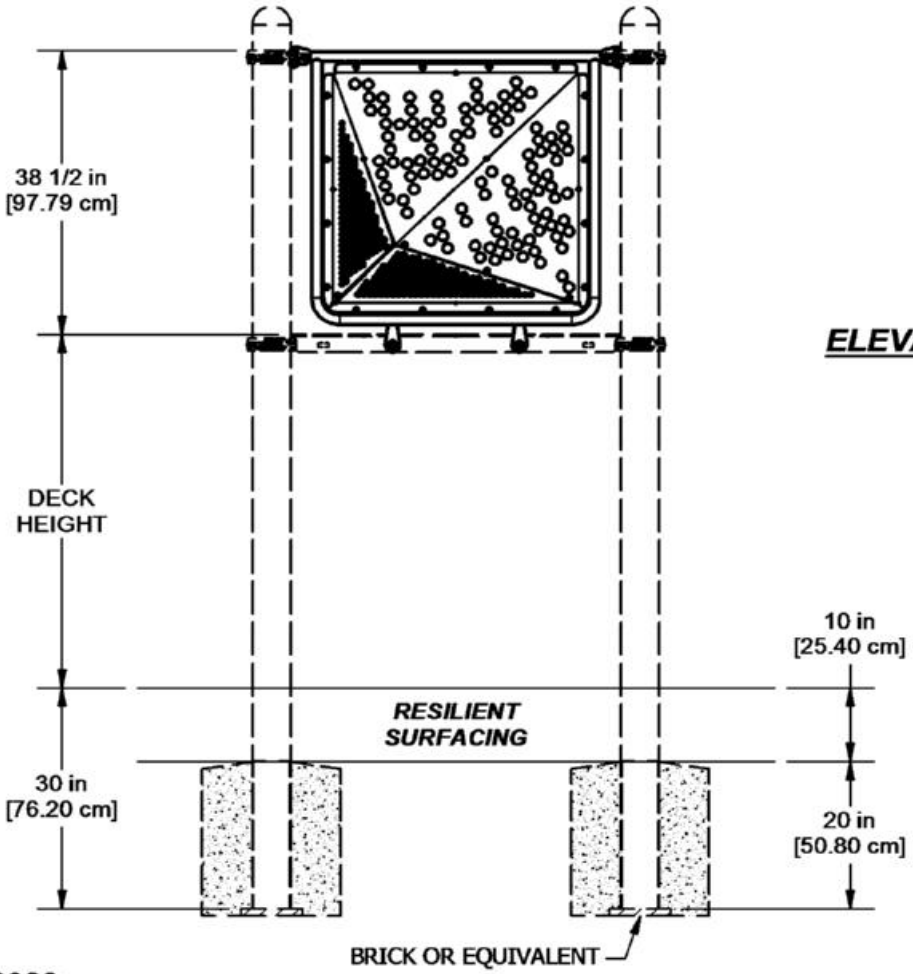
**FINISHED ASSEMBLY**

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

# 72093 LOOKOUT BARRIER

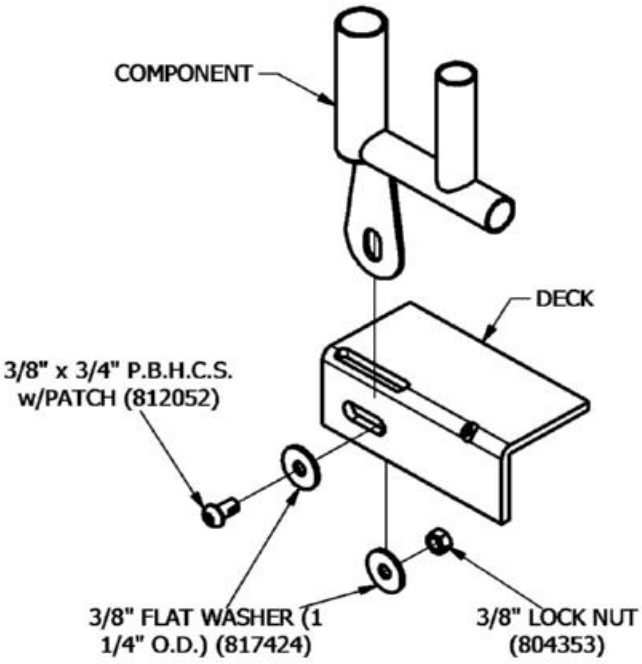



**PLAN VIEW**



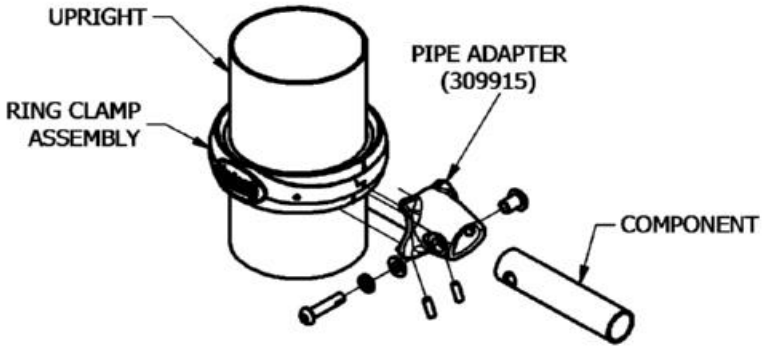

**ELEVATION VIEW**

# 72093 LOOKOUT BARRIER

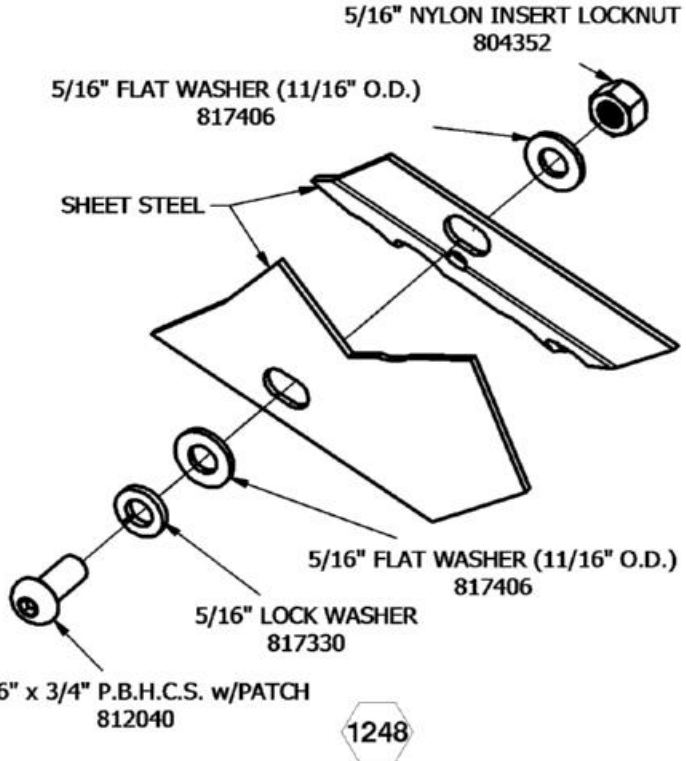



026

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS




448




1248

Issued/Revised: 11/16/2023

# 72167 POLICE ROTOGEN PANEL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PANEL ADAPTER | 4 | 309919 |
| POLICE CAR PANEL | 1 | 317036 |
| POLICE CAR TACK ON | 1 | 317037 |
| SIREN ROTOGEN WHEEL | 1 | 317045 |
| ***HARDWARE COMPLETE*** | 1 | 317038 |
| #10 x 1" SELF-TAPPING SCREW | 3 | 809608 |
| 1/4" x 3/4" SET SCREW | 8 | 811545 |
| 1/4" x 1 1/4" P.B.H.C.S. w/Patch | 1 | 812013 |
| 1/4" LOCK WASHER | 1 | 817326 |
| 5/16" NYLON INSERT LOCKNUT | 1 | 804352 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 812053 |
| 3/8" FLAT WASHER | 8 | 817410 |
| 3/8" BARREL NUT | 8 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Police Rotogen Panel. Refer to order Top View.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. Hook the Panel Adapters onto the Ring Clamps and attach. See Detail 467.
4. Remove the back of Siren Rotogen Wheel, and drill pilot holes for Police Tack On. Attach Police Tack On to backing and reassemble. See Detail 1283.
5. Attach assembled Siren Rotogen Wheel to Police Panel. See Detail 1287.
6. Attach assembled Police Rotogen Panel to Panel Adapters. See Detail 467.
7. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure for at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

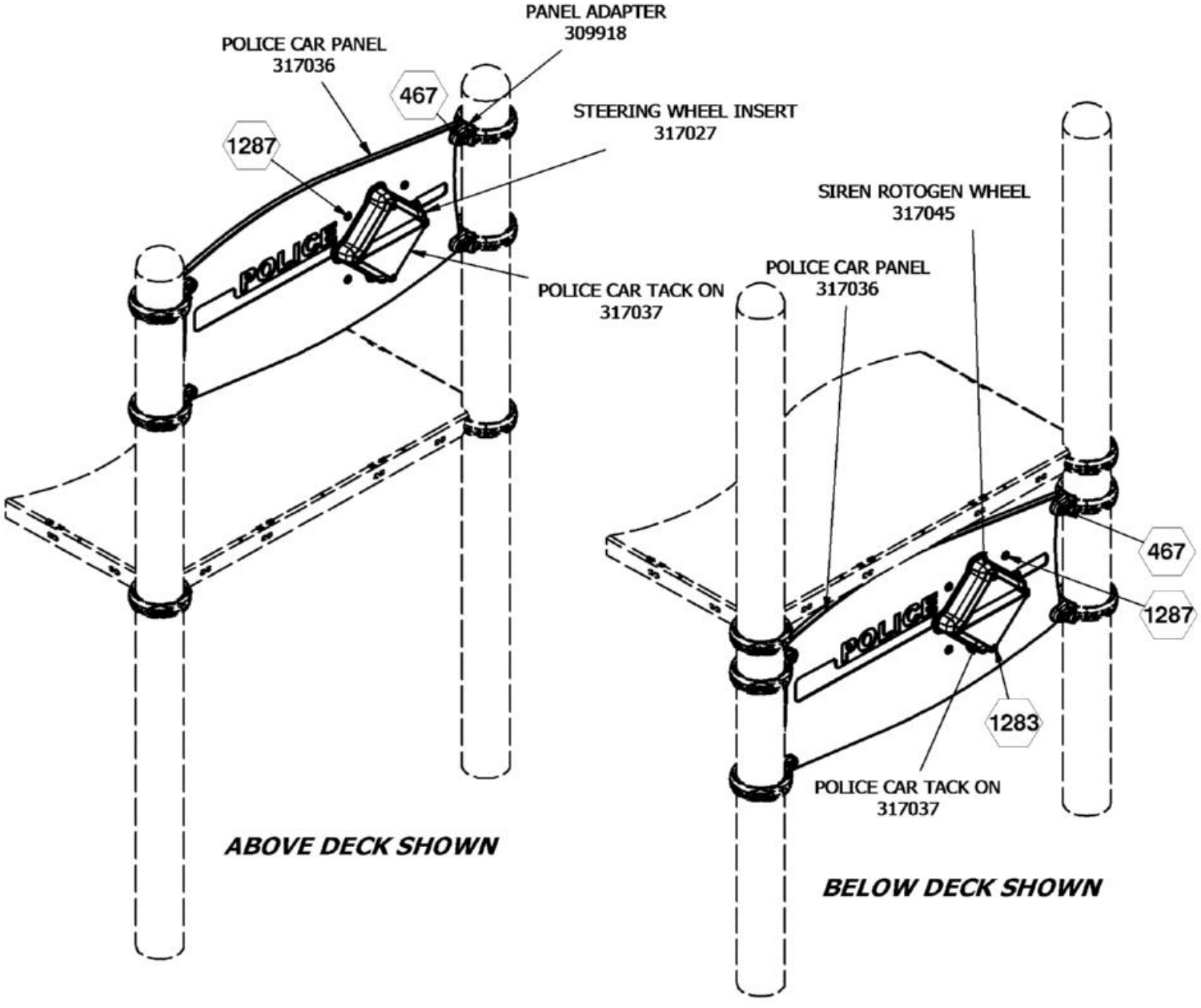
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** 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. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

SuperMax Play Systems

# 72167 POLICE ROTOGEN PANEL

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

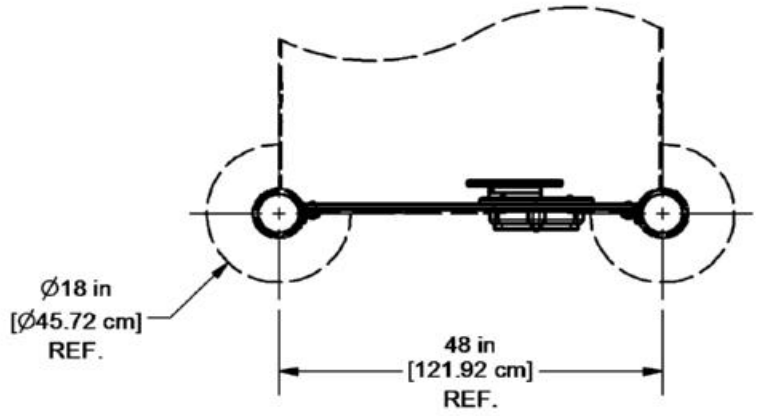



⬡ = INSTALLATION DETAIL

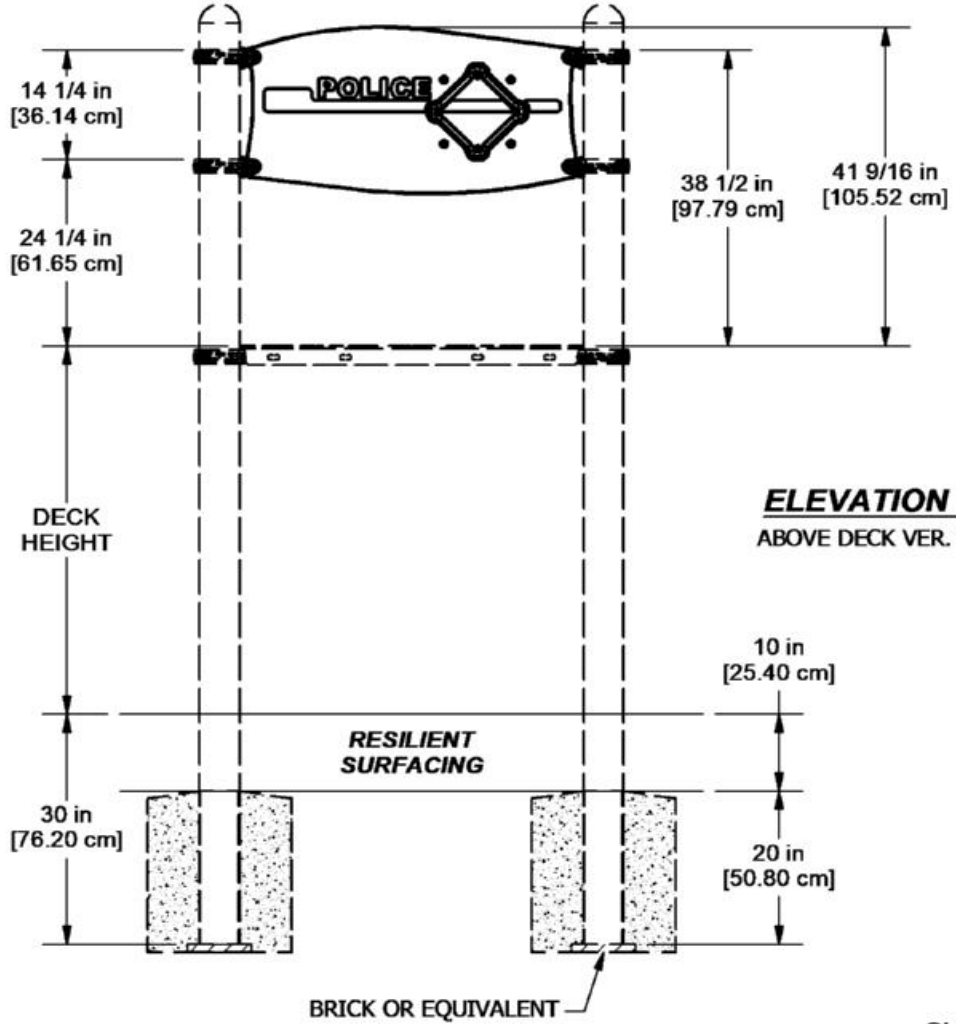
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

# 72167 POLICE ROTOGEN PANEL (ABOVE DECK VER.)



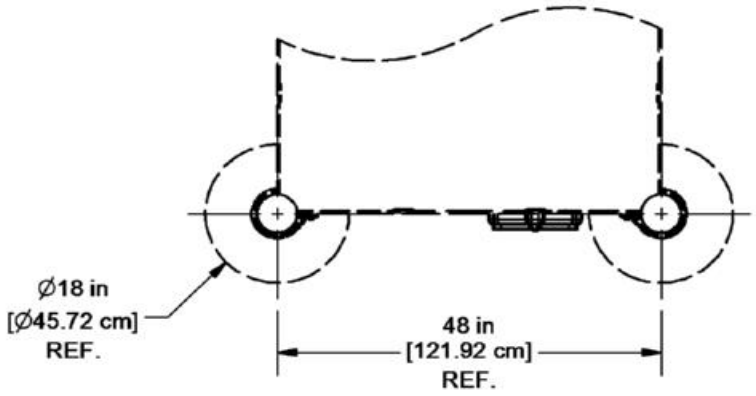

***PLAN VIEW***



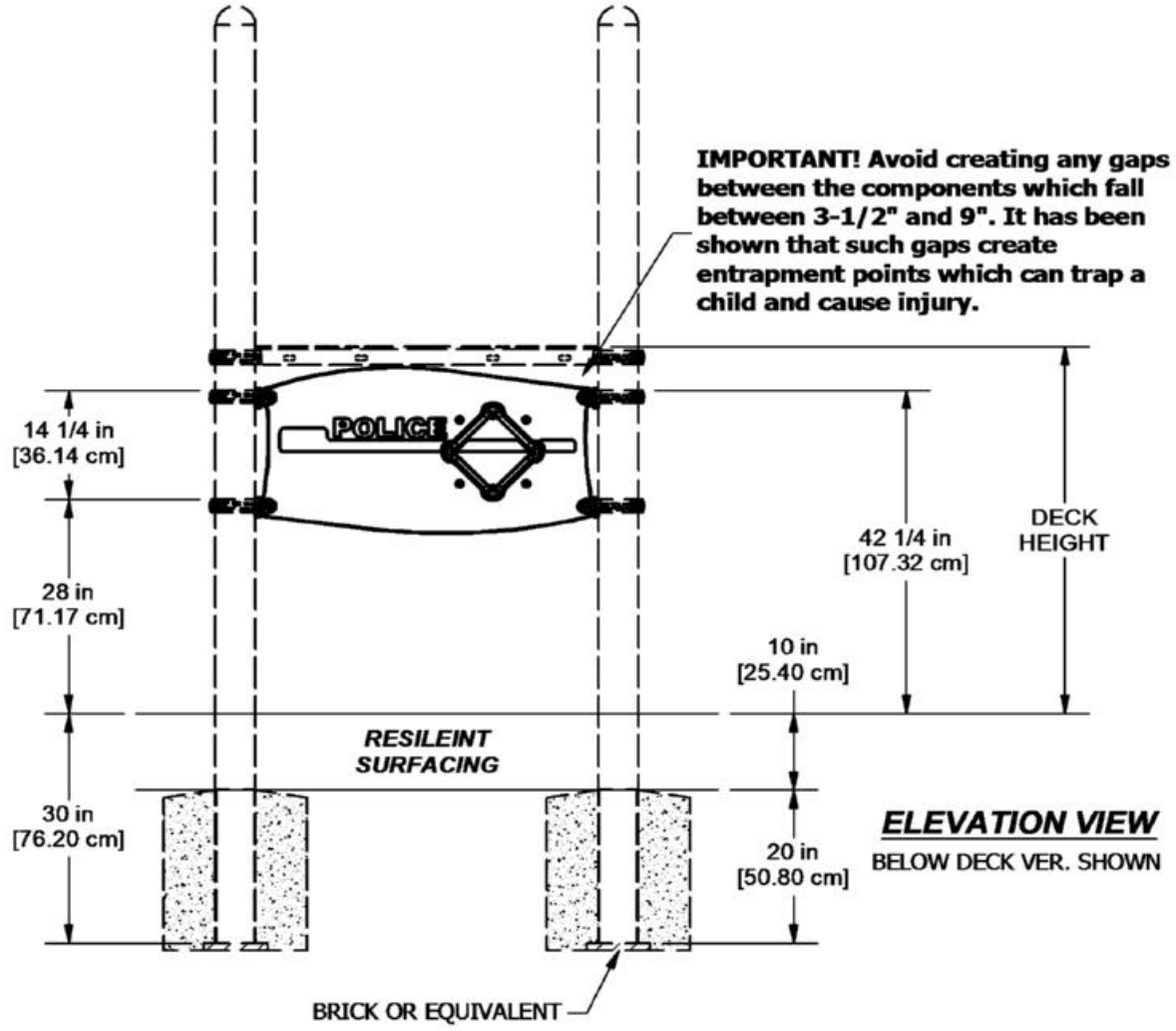

***ELEVATION VIEW***

ABOVE DECK VER. SHOWN

# 72167 POLICE ROTOGEN PANEL (BELOW DECK VER.)




**PLAN VIEW**

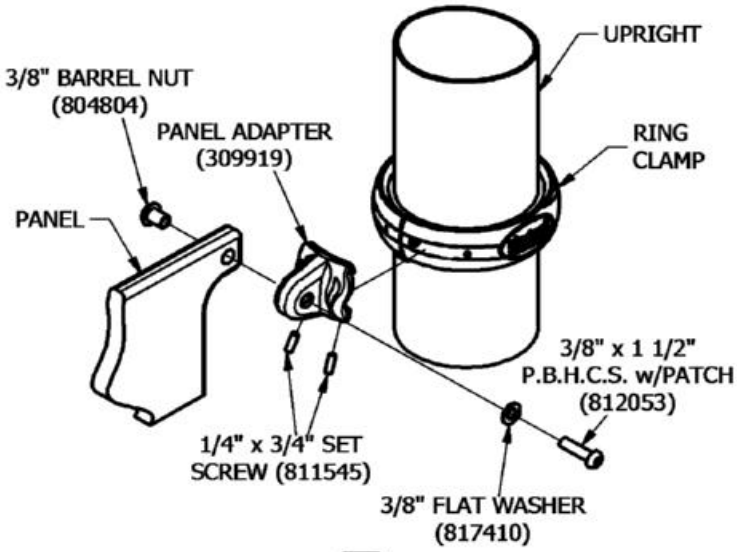



**ELEVATION VIEW**
BELOW DECK VER. SHOWN

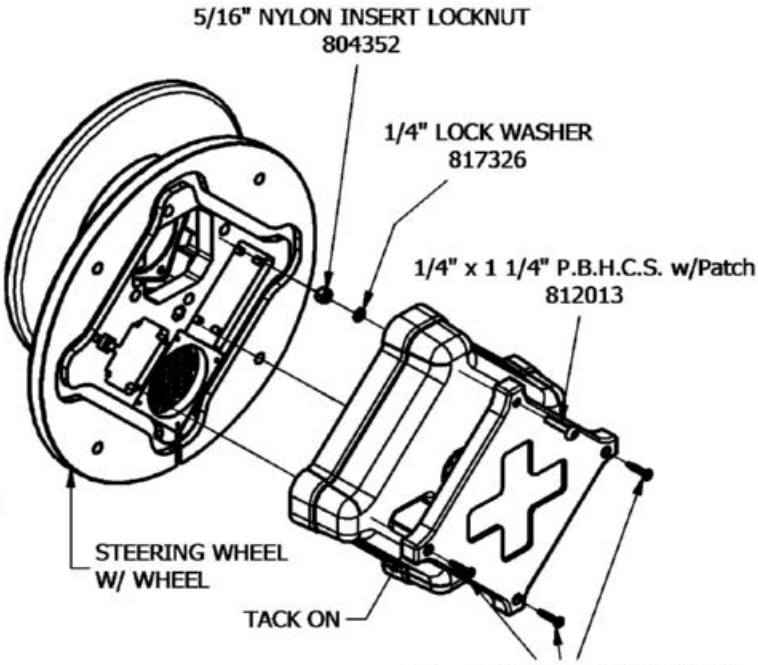
# 72167 POLICE ROTOGEN PANEL

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

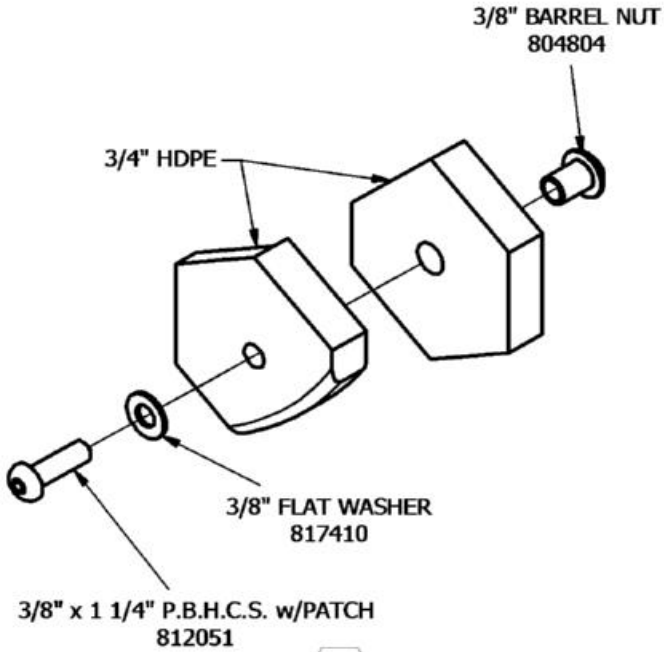
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




467




1283




1287

# 72171 FIRE TRUCK ROTOGEN PANEL (BELOW DECK)

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PANEL ADAPTER | 2 | 309919 |
| SMASHED FOOTBUCK | 2 | 314295 |
| FIRE TRUCK PANEL | 1 | 317034 |
| FIRE TRUCK TACK ON | 1 | 317035 |
| FIRETRUCK ROTOGEN WHEEL | 1 | 317043 |
| ***HARDWARE COMPLETE*** | 1 | 317039 |
| #10 x 1" SELF-TAPPING SCREW | 3 | 809608 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 1/4" x 1 1/4" P.B.H.C.S. w/Patch | 1 | 812013 |
| 1/4" LOCK WASHER | 1 | 817326 |
| 5/16" NYLON INSERT LOCKNUT | 1 | 804352 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 812052 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 812053 |
| 3/8" FLAT WASHER | 8 | 817410 |
| 3/8" BARREL NUT | 8 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 72171 FIRE TRUCK ROTOGEN PANEL (BELOW DECK)

## INSTALLATION INSTRUCTIONS:

1. Determine which deck to to receive the Fire Truck Rotogen Below Deck Panel. Refer to your overhead drawing for location.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. Hook the Panel Adapters onto the Ring Clamps and attach. See Detail 467.
4. Remove the back of Firetruck Rotogen Wheel, and drill pilot holes for Fire Truck Tack On. Attach Fire Truck Tack On to backing and reassemble. See Detail 1283.
5. Attach assembled Firetruck Rotogen Wheel to Fire Truck Panel. See Detail 1287.
6. Attach Footbucks to Fire Truck Panel. See Detail 631.
7. Connect Fire Truck Panel to Panel Adapters. See Detail 467.
8. When the entire assembly in plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure for at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

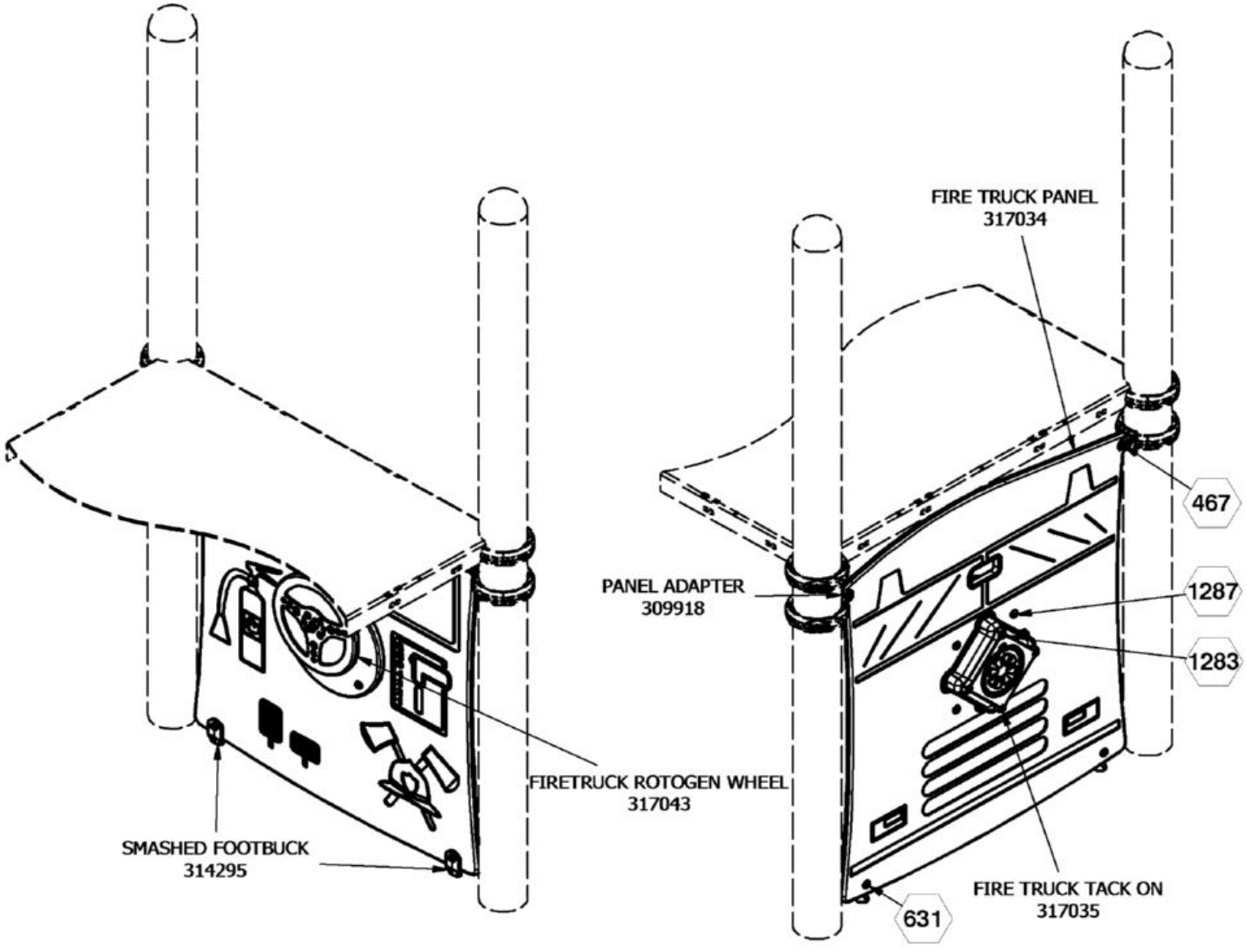
9. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** 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. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

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

SuperMax Play Systems

# 72171 FIRE TRUCK ROTOGEN PANEL (BELOW DECK)



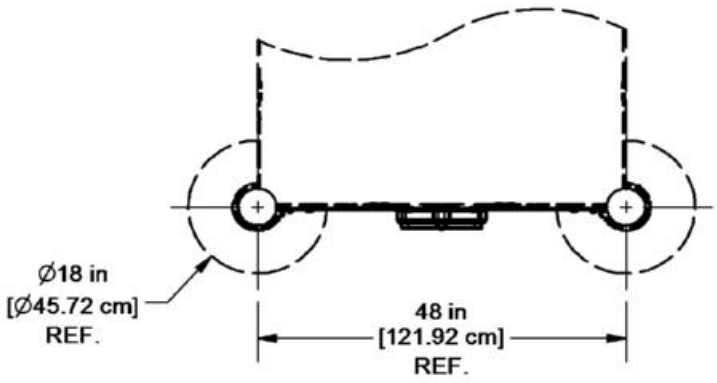

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 6/12/2024

***FINISHED ASSEMBLY***

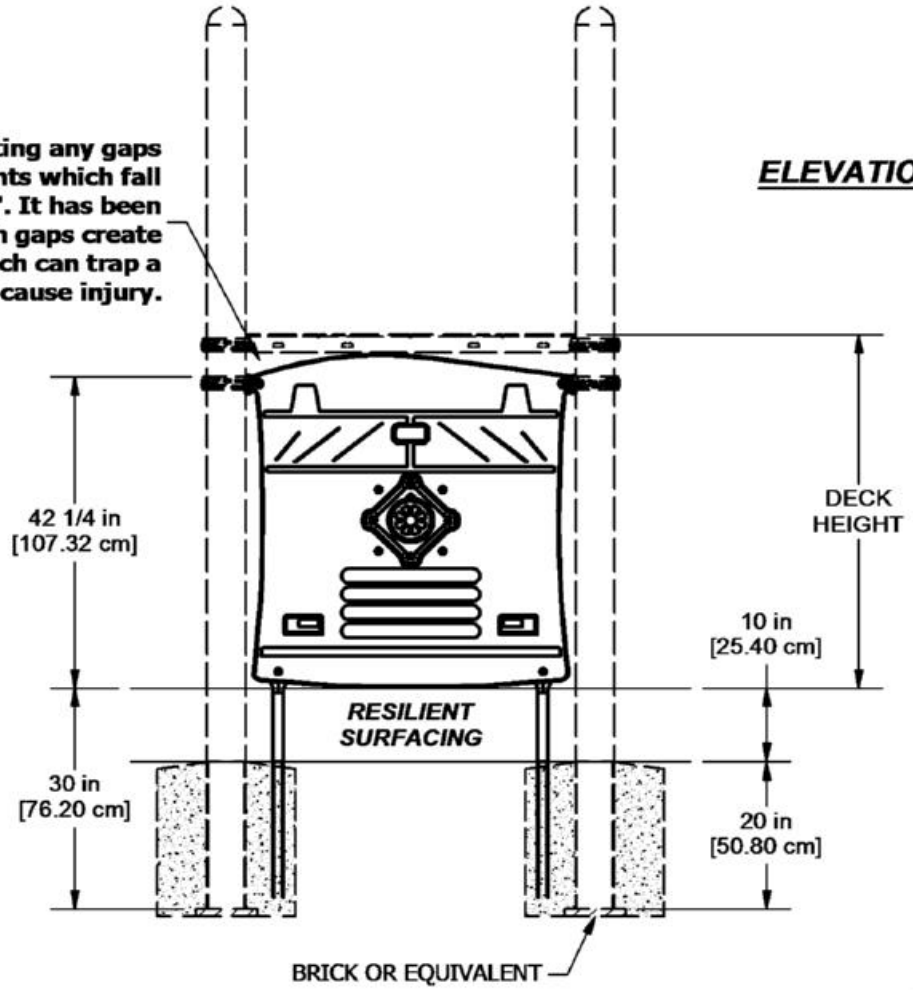
# 72171 FIRE TRUCK ROTOGEN PANEL (BELOW DECK)



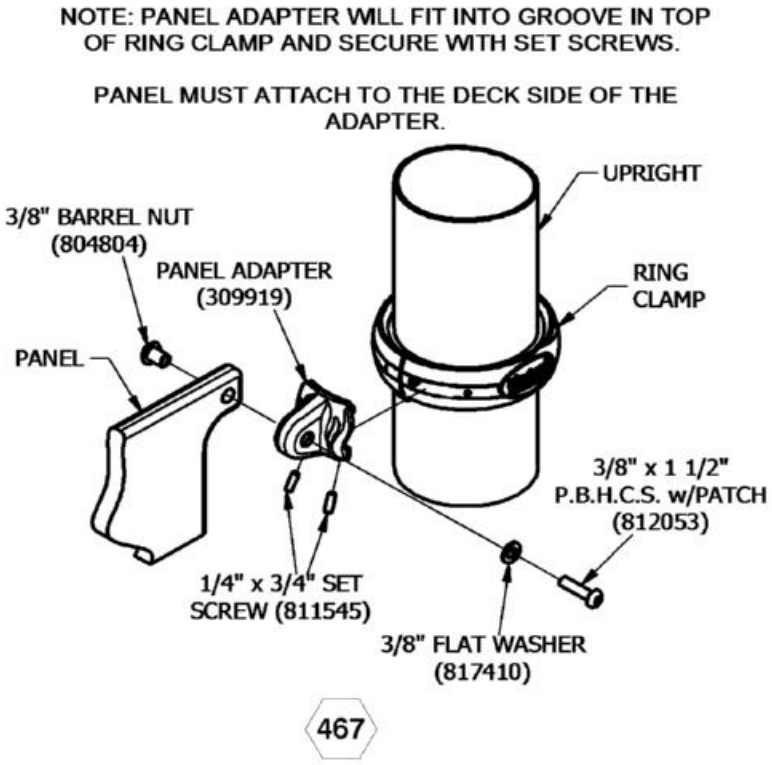

***PLAN VIEW***

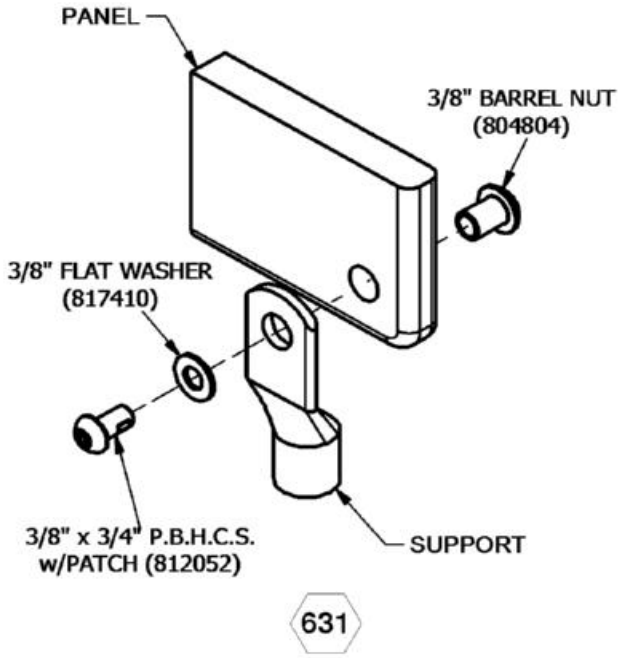
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

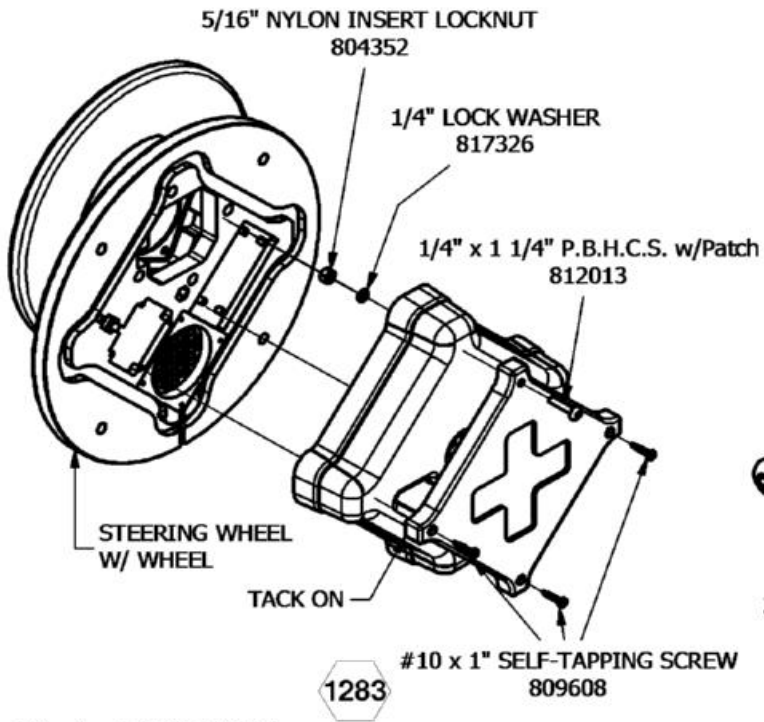
***ELEVATION VIEW***

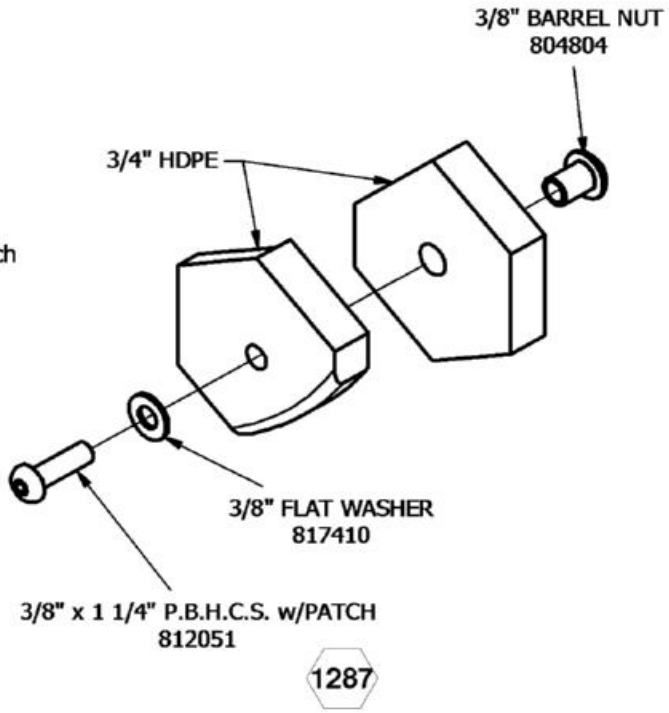


# 72171 FIRE TRUCK ROTOGEN PANEL (BELOW DECK)




Issued/Revised: 6/12/2024

# 72176 LOOKOUT STAIRS (4'-0")

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| STAIRS (64" DECK) | 1 | 307297 |
| PIPE ADAPTER | 4 | 309915 |
| 4'-0" STAIR BARRIER WELDMENT RIGHT | 1 | 317094 |
| 4'-0" STAIR BARRIER WELDMENT LEFT | 1 | 317092 |
| 4'-0" STAIR PANEL BOTTOM | 2 | 317096 |
| 4'-0" STAIR PANEL TOP | 2 | 317098 |
| ***HARDWARE COMPLETE*** | 1 | 317090 |
| 1/4" x 3/4" SET SCREW | 8 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 40 | 812040 |
| 5/16" LOCK WASHER | 40 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 80 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 40 | 804352 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 4 | 812054 |
| 3/8" LOCK WASHER | 4 | 817334 |
| 3/8" FLAT WASHER | 4 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 16 | 817424 |
| 3/8" BARREL NUT | 4 | 804804 |
| 3/8" LOCK NUT | 8 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which decks are to receive the Lookout Stairs. Refer to order Top View.

2. With sufficient manpower, lift the stair and fasten to the decks. See Detail 090.

3. Attach four Ring Clamps to the Uprights. See separate Ring Clamp installation sheet. See Elevation View for clamp locations. Attach Pipe Adapters to the Ring Clamps. See Detail 448.

4. Attach Stair Panels to Stair Barrier Weldments. See Detail 1248.

5. Attach Barriers to Pipe Adapters. See Detail 448.

6. Attach the bottom tab of the Barriers to the decks. See Detail 449.

7. Using Detail 448, attach the Pipe Adapters to the Ring Clamps with 1/4" Set Screws.

8. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure for at least 48 hours before use.

# 72176 LOOKOUT STAIRS (4'-0")

**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

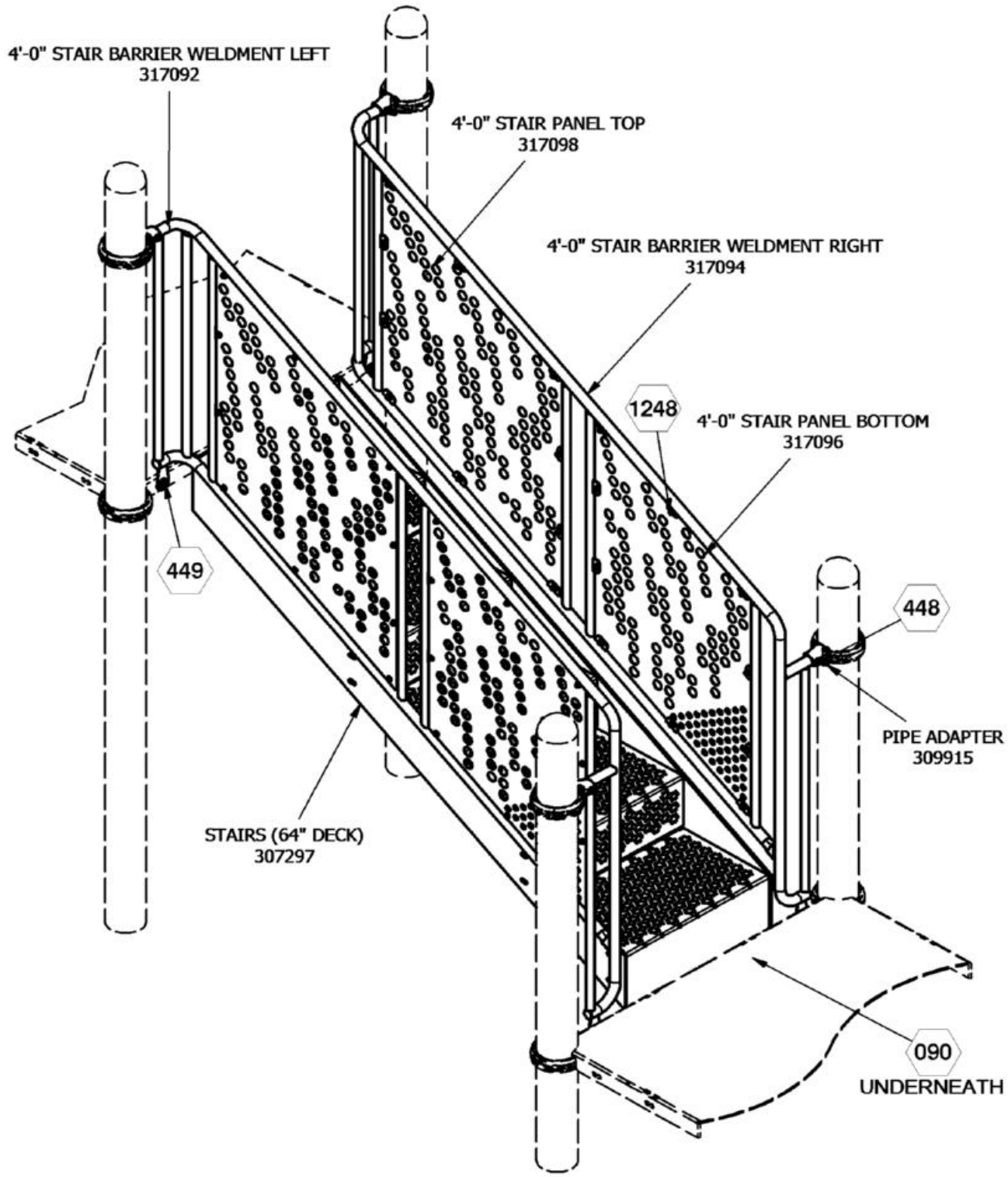
9. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** 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. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

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

SuperMax Play Systems

# 72176 LOOKOUT STAIRS (4'-0")



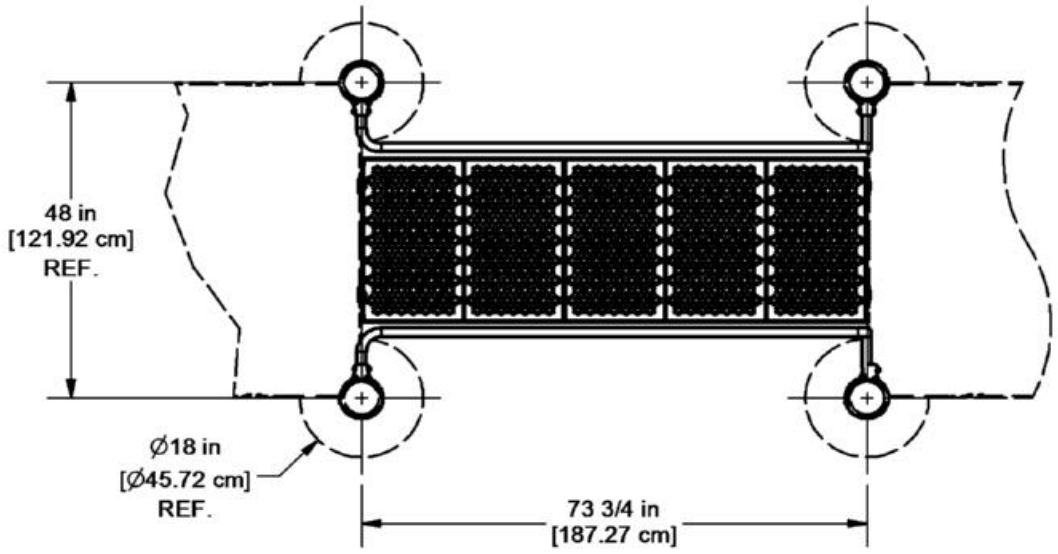

= INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

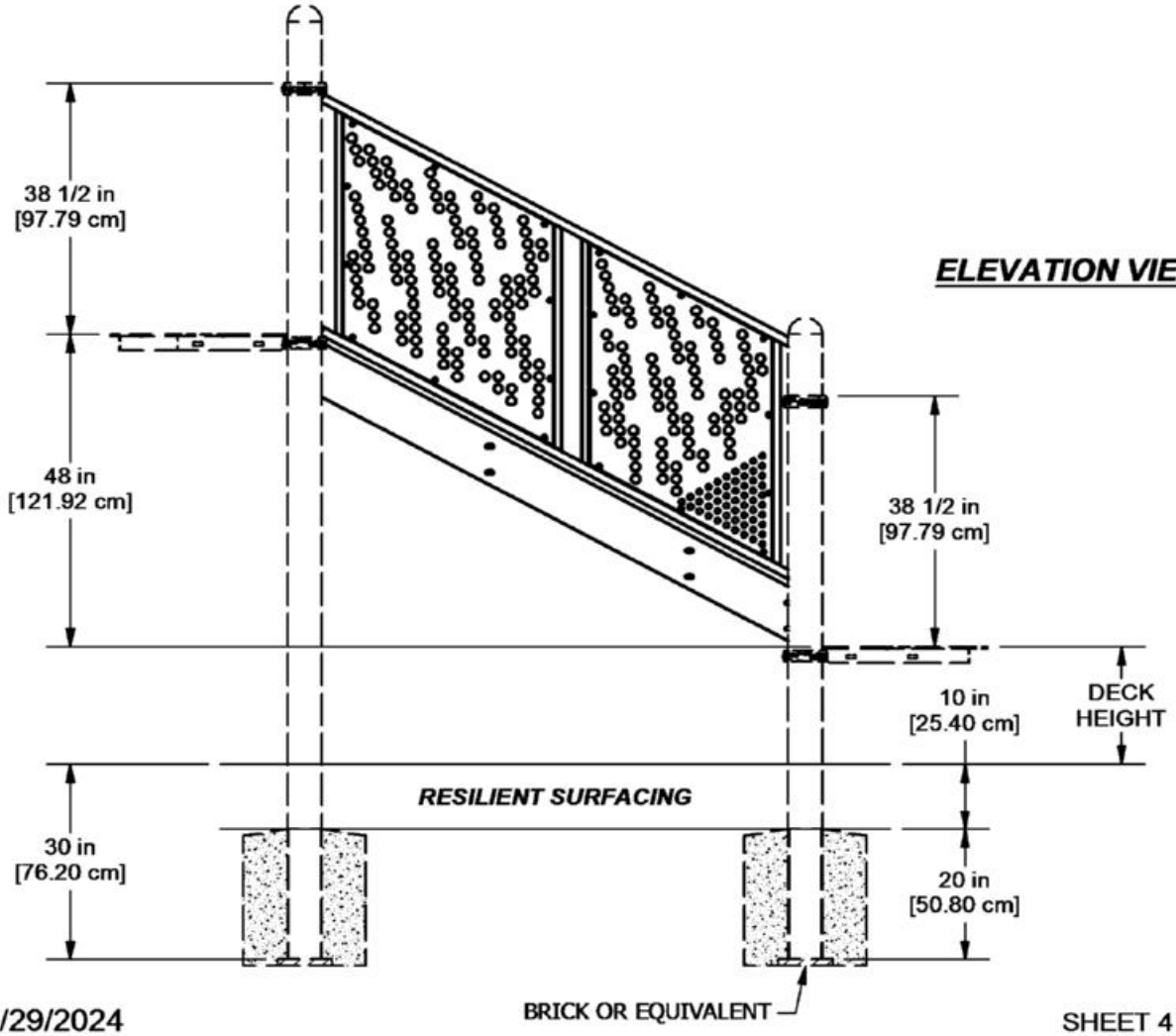
Issued/Revised: 8/29/2024

***FINISHED ASSEMBLY***

# 72176 LOOKOUT STAIRS (4'-0")

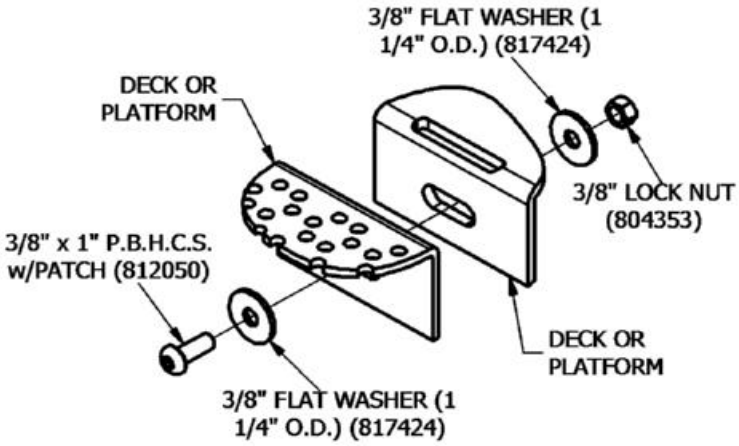



***PLAN VIEW***



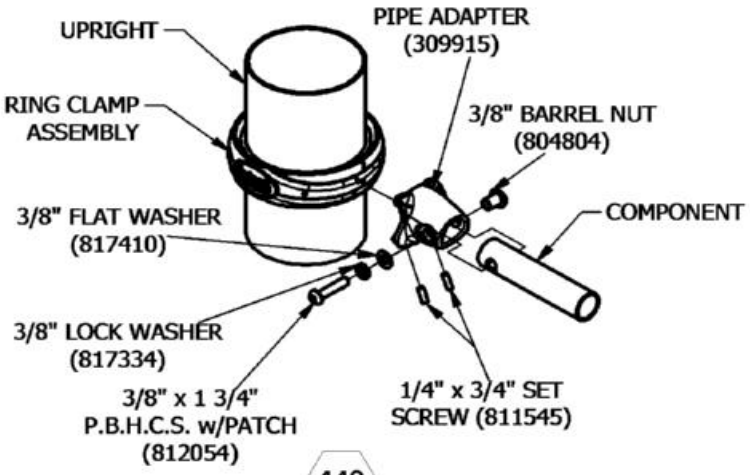

***ELEVATION VIEW***

# 72176 LOOKOUT STAIRS (4'-0")

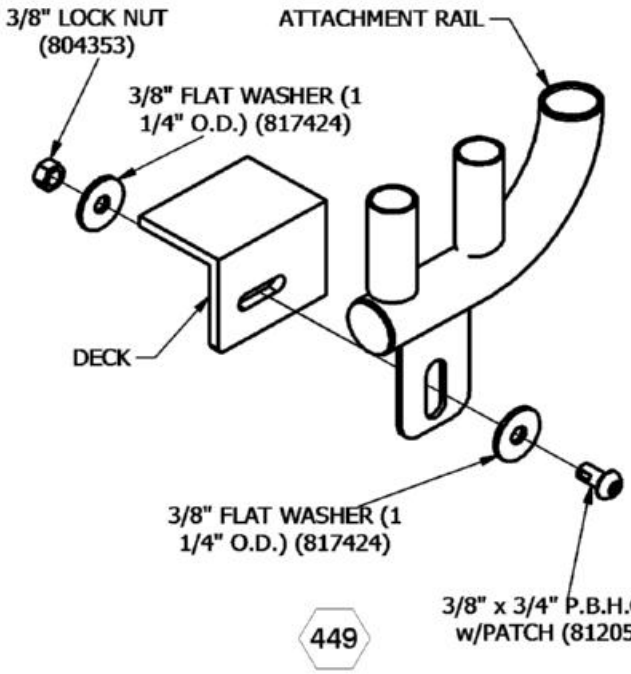



090

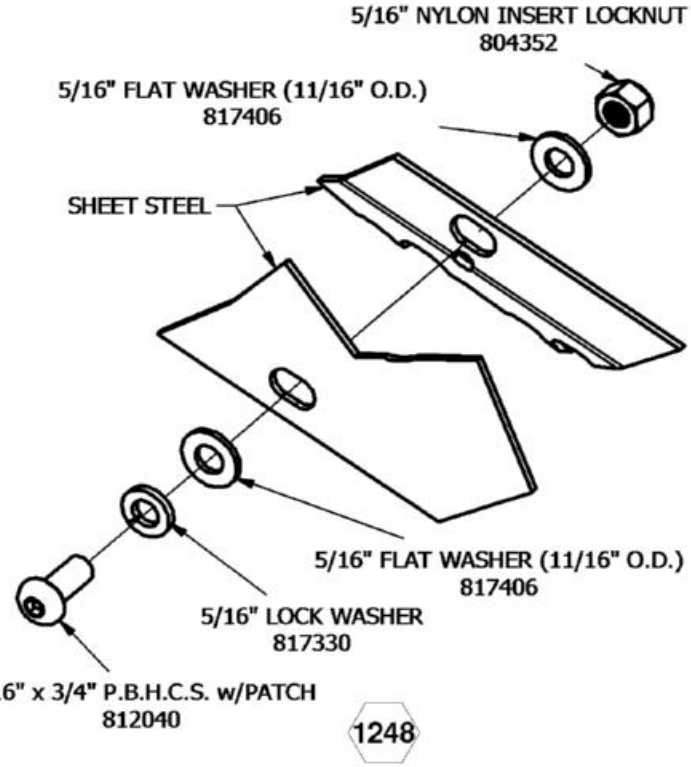
NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS




448




449




1248

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 72200 | 72236 | 72237 | 72238 | PART NUMBER |
| HOURGLASS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 0 | 7368 |
| 20" BELL SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 0 | 7369 |
| HYPNETIC SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 0 | 7370 |
| PIANO SENSOR RAMP ASSEMBLY | 0 | 0 | 0 | 1 | 7371 |
| 12" BELL SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 0 | 7372 |
| TOPOGRAPHIC SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 0 | 7373 |
| HYPNO WHEEL SENSOR RAMP ASSEMBLY | 0 | 0 | 0 | 1 | 7374 |
| WINDOW PANEL SENSOR RAMP ASSEMBLY | 1 | 1 | 1 | 1 | 7376 |
| 12" ROLLER BALLS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 0 | 7377 |
| HAND HOLD | 1 | 1 | 1 | 1 | 176725 |
| VERTICAL ADAPTER | 2 | 2 | 2 | 2 | 309917 |
| 8' RAMP INLAY BARRIER WELDMENT | 1 | 1 | 1 | 1 | 317250 |
| 8' SENSORY RAMP SIDE BOTTOM GROUND TO 8" | 1 | 1 | 1 | 1 | 317285 |
| 8' SENSORY RAMP SIDE TOP GROUND TO 8" | 1 | 1 | 1 | 1 | 317287 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 317458 |
| 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 28 | 28 | 28 | 28 | 812040 |
| 5/16" LOCK WASHER | 28 | 28 | 28 | 28 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 56 | 56 | 56 | 56 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 28 | 28 | 28 | 28 | 804352 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 3 | 3 | 3 | 3 | 812054 |
| 3/8" LOCK WASHER | 9 | 9 | 9 | 9 | 817334 |
| 3/8" FLAT WASHER | 8 | 8 | 8 | 8 | 817410 |
| 3/8" T-NUT | 3 | 3 | 3 | 3 | 804556 |
| 3/8" ACORN NUT | 6 | 6 | 6 | 6 | 804002 |
| 3/8" BARREL NUT | 2 | 2 | 2 | 2 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

## INSTALLATION INSTRUCTIONS:

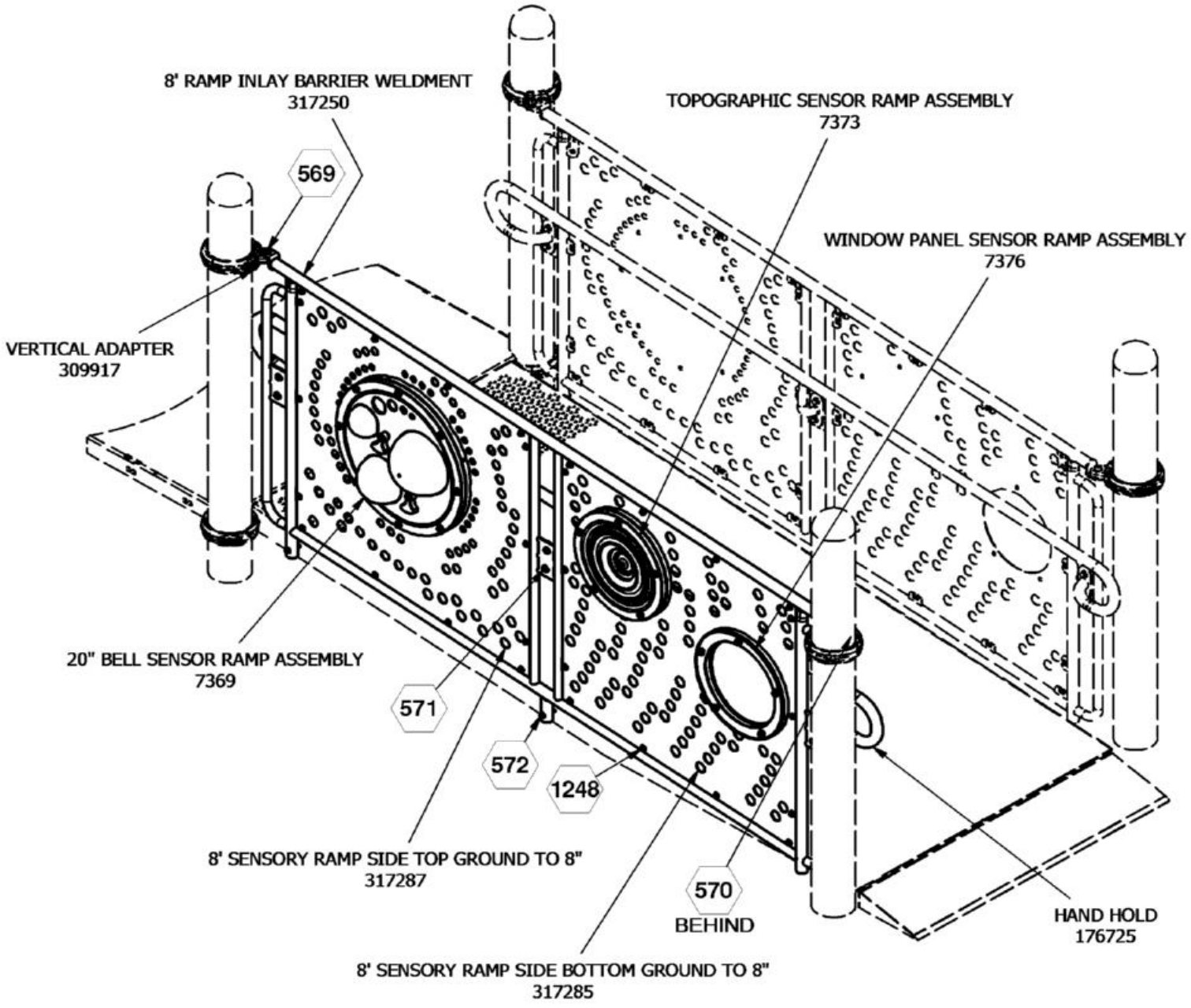
1. Determine which ramp barrier is to receive which ramp Sensor Package. Refer to order Top View.
2. Attach the Sensor Ramp Side Top and Bottom to the Inlay Barrier Weldment. See Detail 1248.
3. Attach top of the Barrier to the existing Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach the bottom of the Barrier to the side of the Ramp. See Detail 572.
5. Refer to specific installation sheets for all necessary installation steps for correct sensors.
6. Attach Hand Hold to the Barrier. See Detail 571.
7. When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

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

SuperMax Play Systems

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A




= INSTALLATION DETAIL

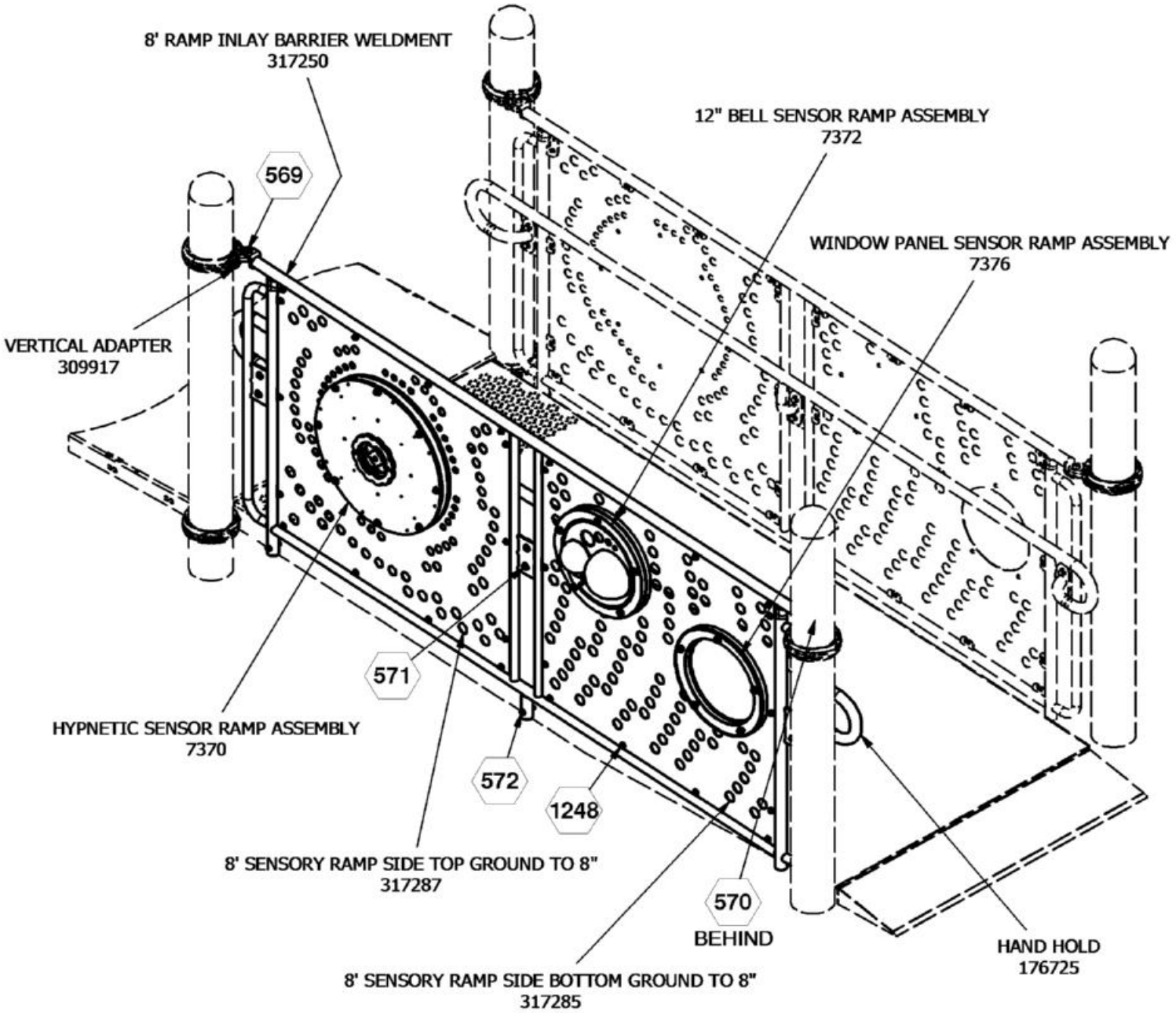
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B




= INSTALLATION DETAIL

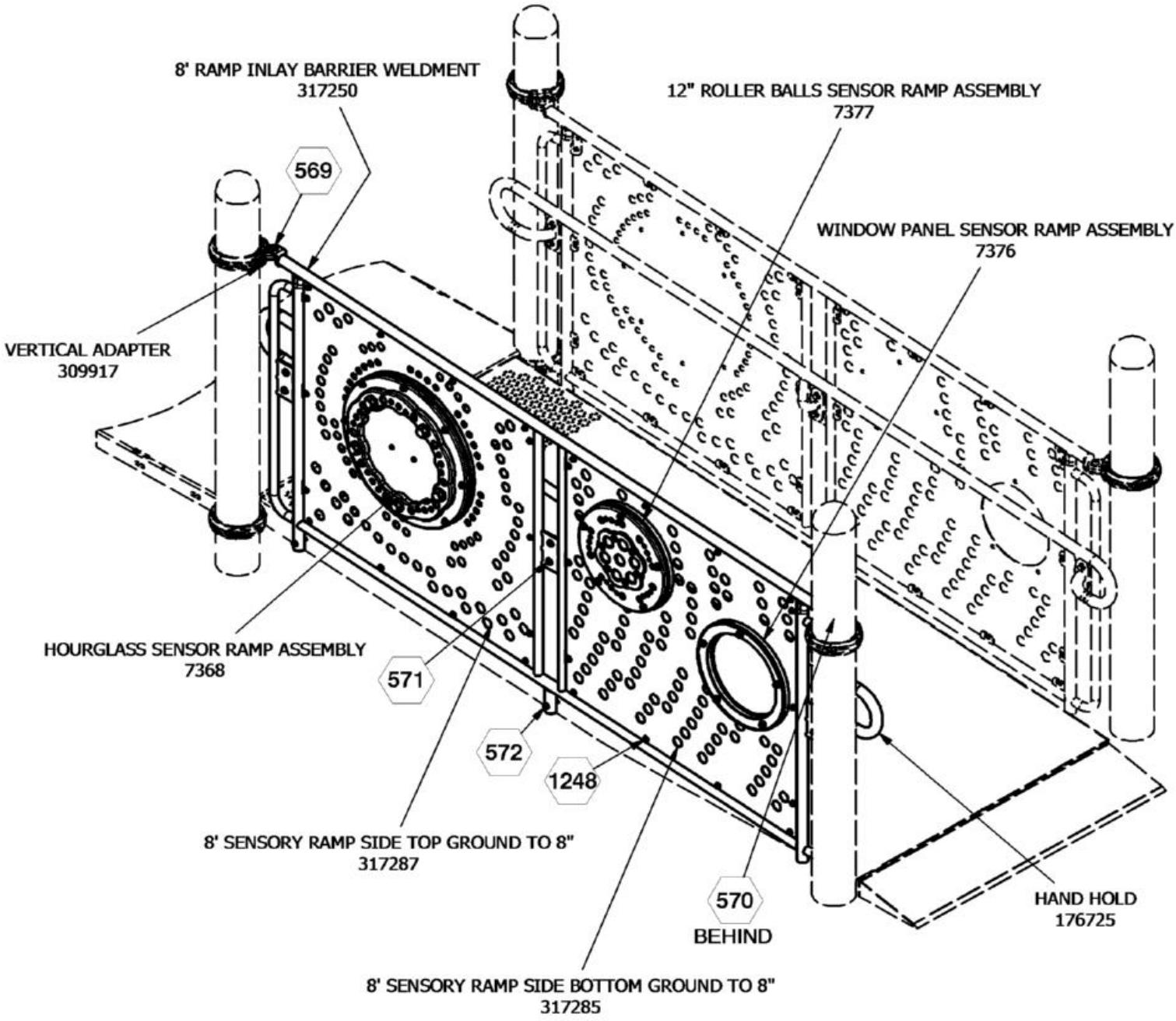
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

SuperMax Play Systems

# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C




⬡ = INSTALLATION DETAIL

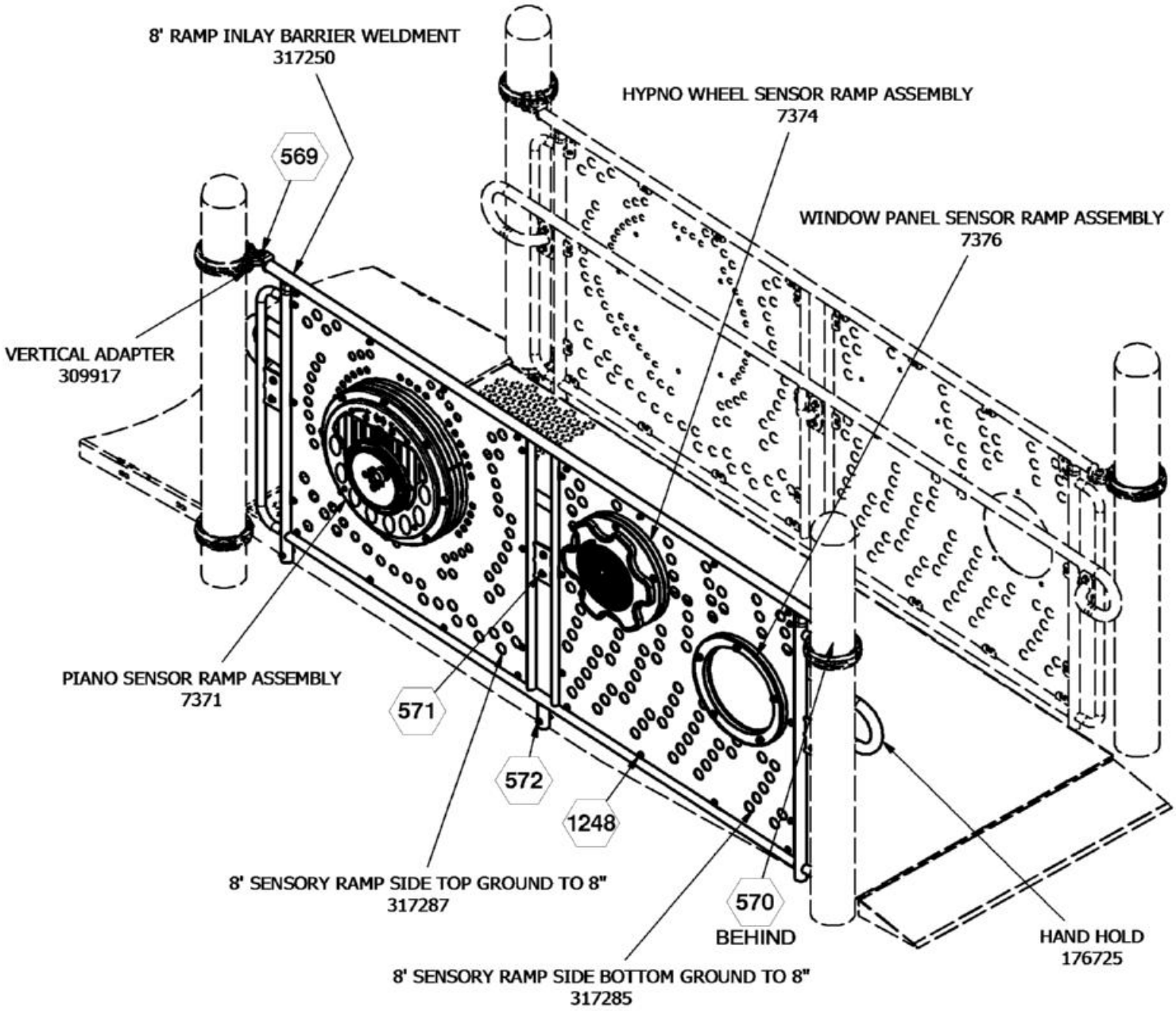
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D




= INSTALLATION DETAIL

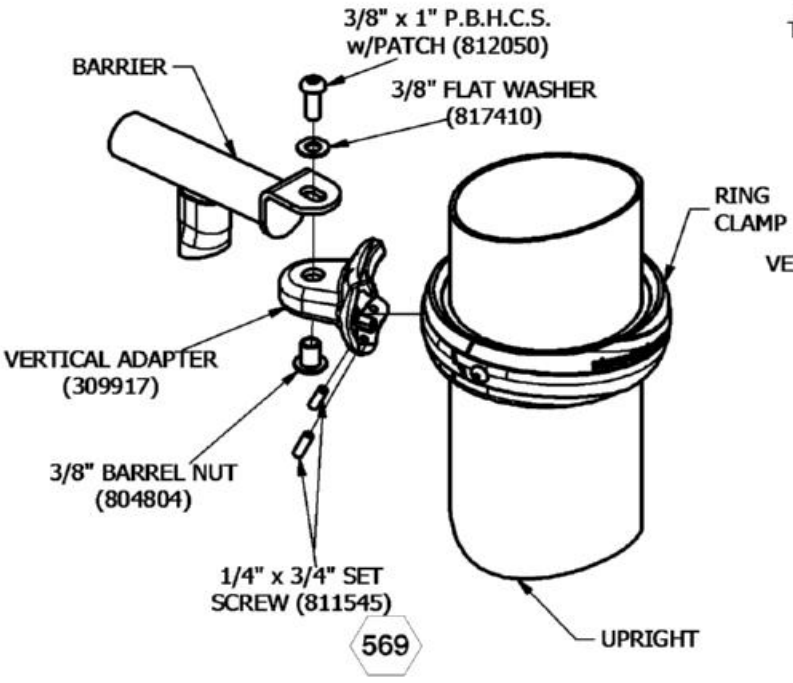
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

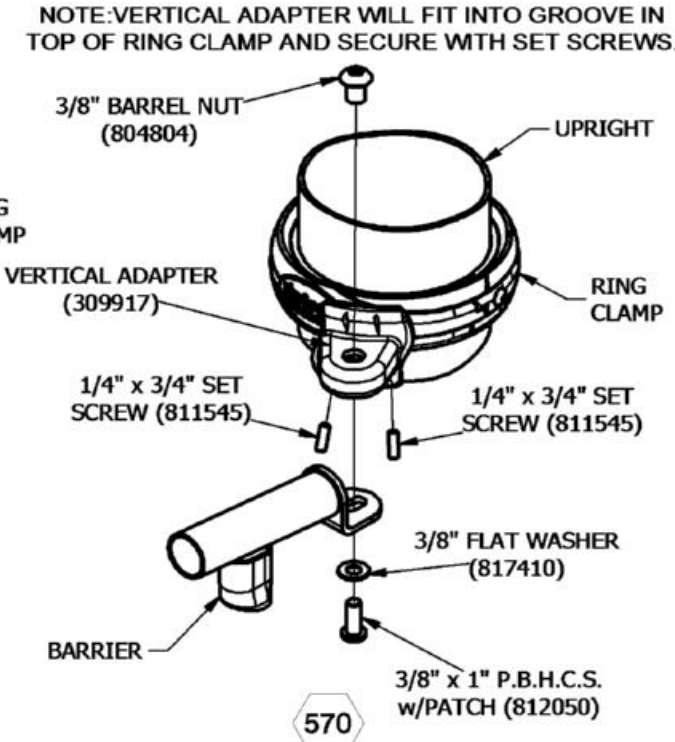
# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

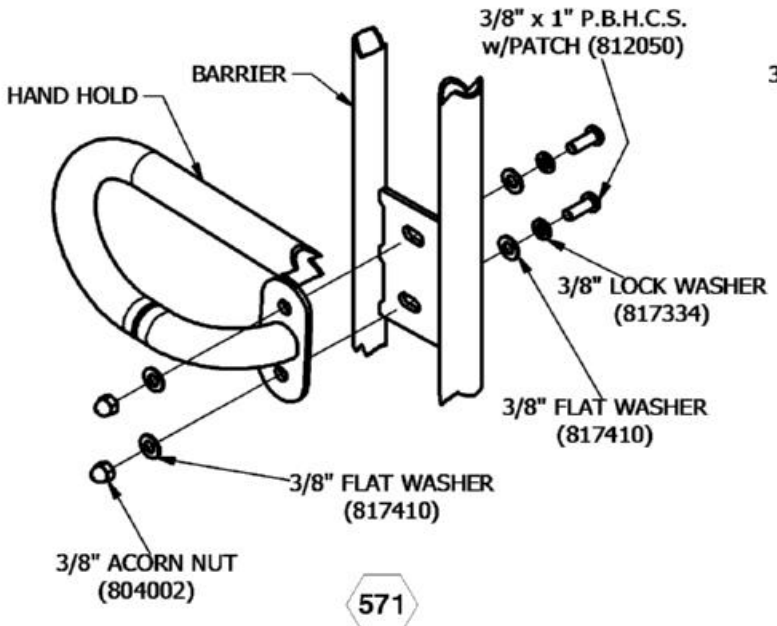



569

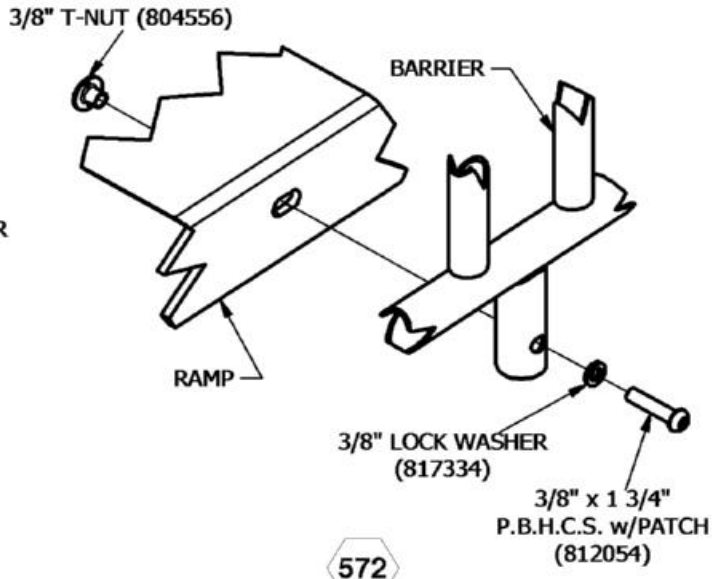
NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



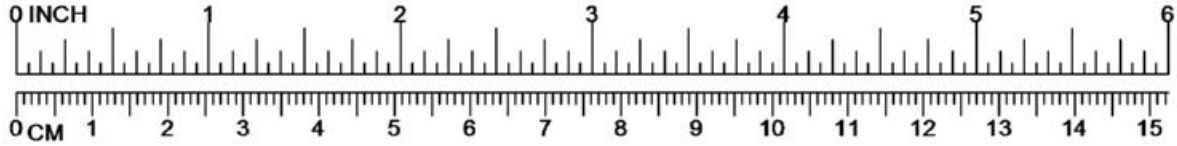

570



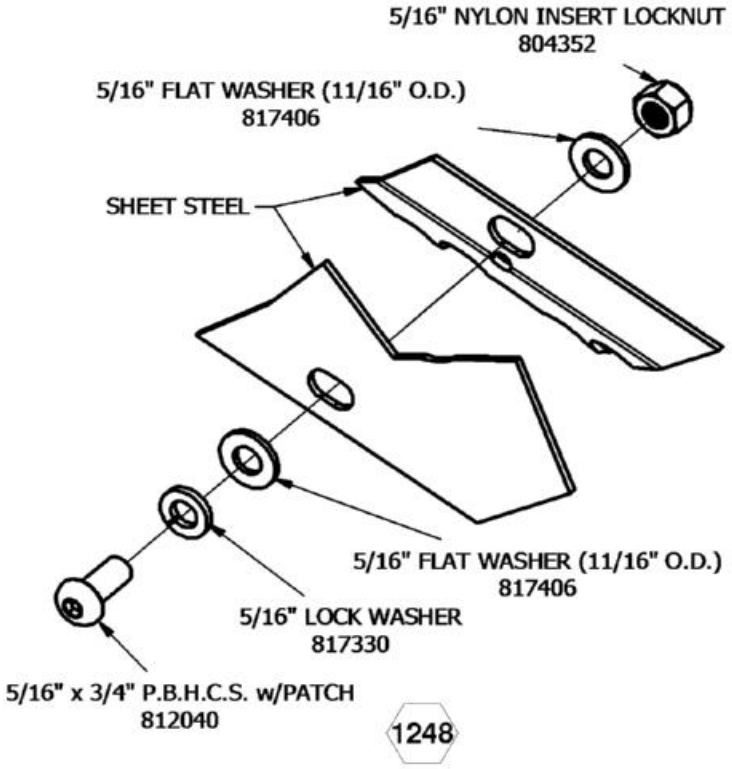

571




572




# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D



# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 72244 | 72245 | 72246 | 72247 | PART NUMBER |
| 8" EXTENSION | 0 | 0 | 0 | 2 | 151080 |
| GROUND SUPPORT 1' | 0 | 0 | 2 | 0 | 205412 |
| GROUND SUPPORT 2' | 0 | 0 | 0 | 2 | 205414 |
| ALUMINUM COLLAR | 2 | 0 | 2 | 0 | 301605 |
| TRANSITION PLATE | 1 | 0 | 1 | 0 | 303867 |
| PANEL ADAPTER | 2 | 0 | 2 | 0 | 309919 |
| CROSS BAR | 1 | 0 | 1 | 0 | 310032 |
| RAMP | 1 | 1 | 0 | 0 | 311019 |
| RAMP | 0 | 0 | 2 | 2 | 311030 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 317323 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 317324 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 317325 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 317326 |
| 1/4" x 3/4" SET SCREW | 4 | 0 | 4 | 0 | 811545 |
| 3/8" x 3/8" SET SCREW | 2 | 0 | 2 | 0 | 811549 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 12 | 12 | 812050 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 0 | 2 | 0 | 812053 |
| 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 2 | 801013 |
| 3/8" LOCK WASHER | 2 | 0 | 2 | 2 | 817334 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 16 | 16 | 24 | 24 | 817424 |
| 3/8" HEX NUT | 0 | 0 | 0 | 2 | 804053 |
| 3/8" LOCK NUT | 8 | 8 | 12 | 12 | 804353 |

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

**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

## INSTALLATION INSTRUCTIONS:

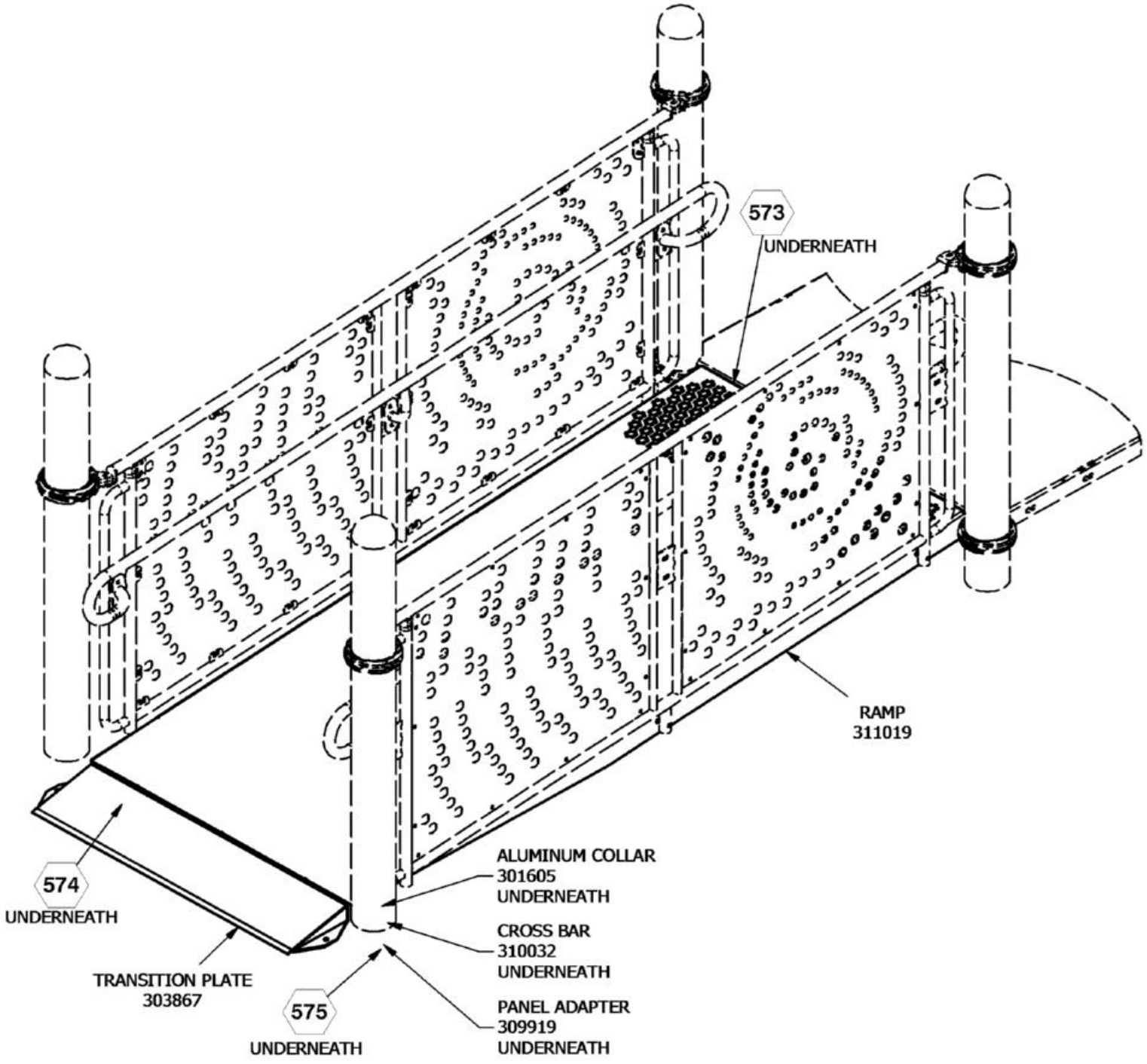
1. Determine which deck(s) are to receive the Ramp, and dig footing holes in locations and depths shown as needed.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. For 72246 and 72247, attach ramps together. See Detail 573.
4. For 72246 and 72247, dig footing holes as shown in Plan Views.
5. For 72247, attach 8" Extensions to Ground Support 2'. See Detail 171.
6. For 72246 and 72247, attach Ground Supports to ramps. See Detail 1332.
7. Attach Ramp(s) to existing deck(s). See Detail 573.
8. For 72244 and 72246, attach lower end of Ramp to the existing Uprights using Crossbar, Aluminum Collar and Panel Adapters. See Detail 575. Ramp should be centered between uprights and secured by tightening set screws in collar.
9. For 72244 and 72246, attach Transition Plate to the lower end of Ramp. See Detail 574.
10. When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

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

SuperMax Play Systems

# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY)




= INSTALLATION DETAIL

Issued/Revised: 9/19/2024

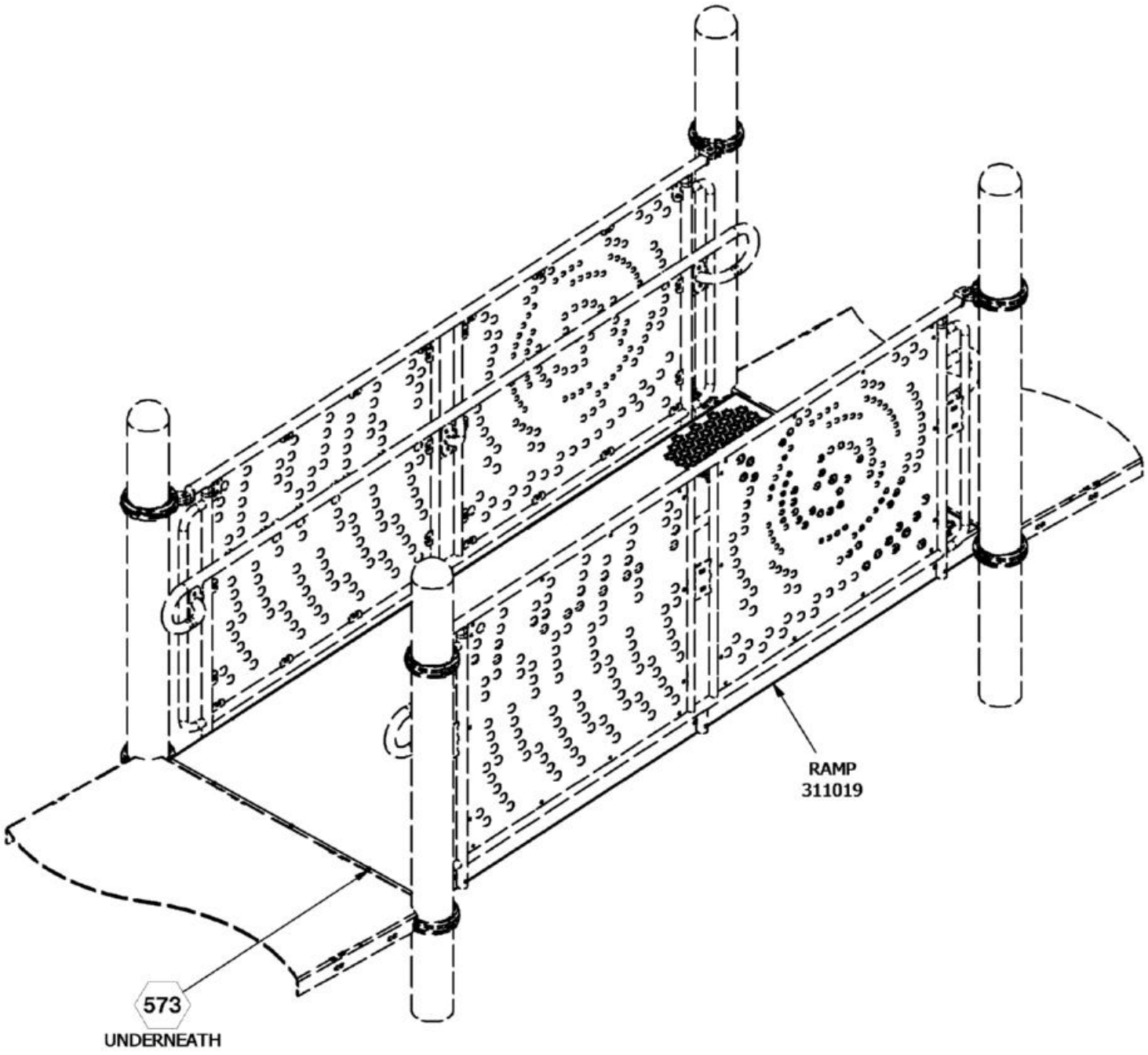
***FINISHED ASSEMBLY***

72244 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72245 8FT RAMP DECK TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

Issued/Revised: 9/19/2024

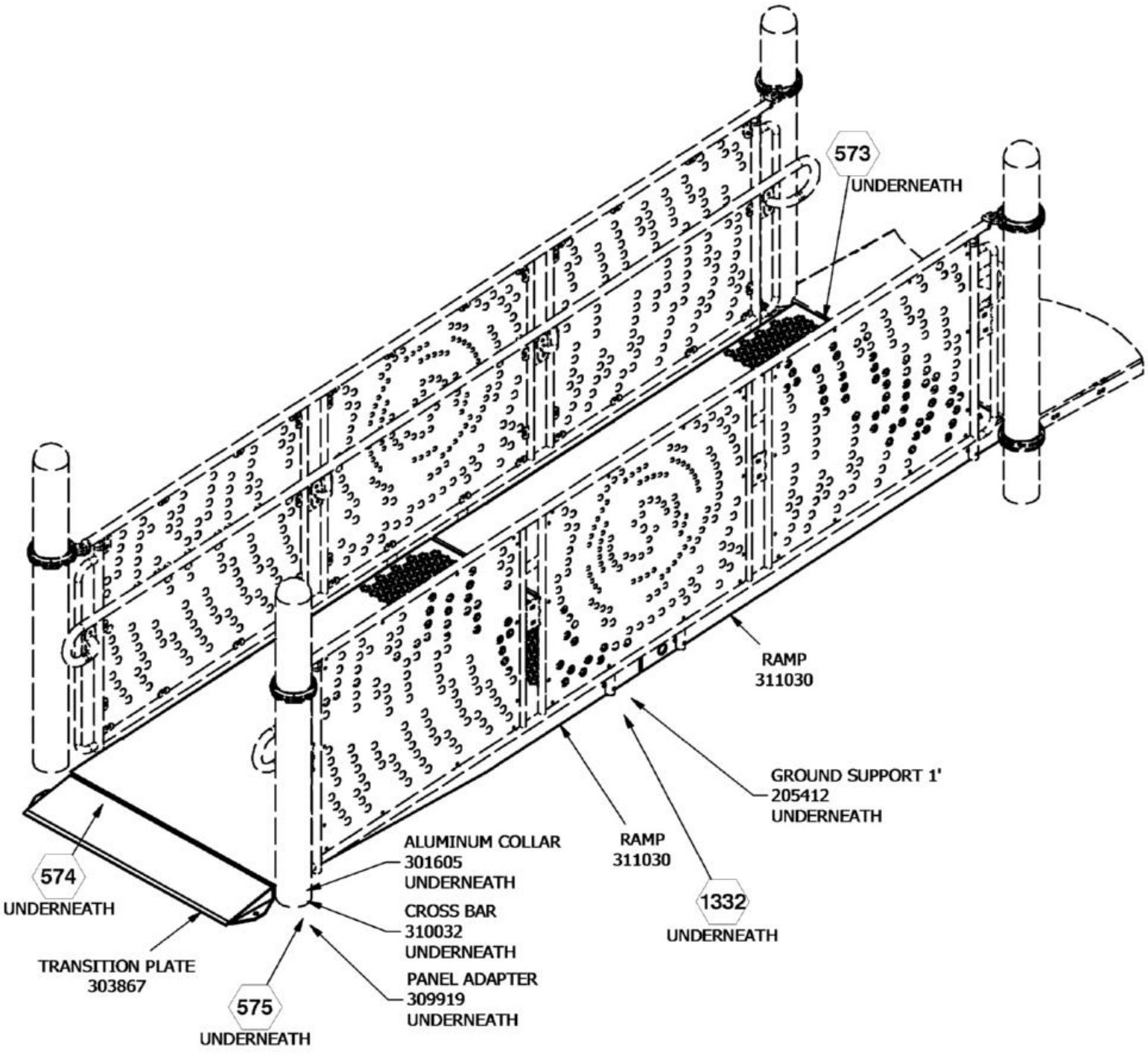
***FINISHED ASSEMBLY***

72245 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72246 12FT RAMP GROUND TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

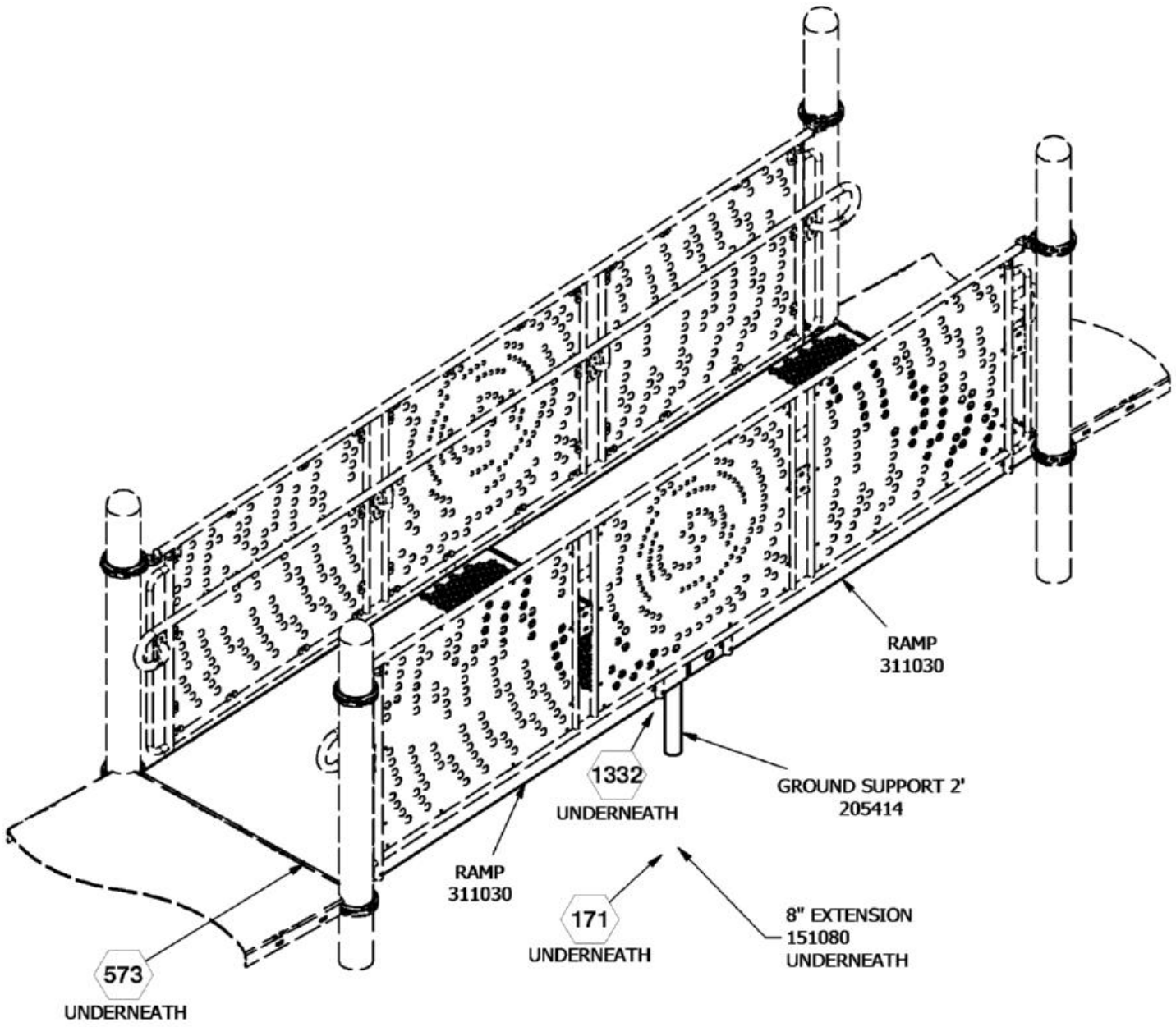
Issued/Revised: 9/19/2024

***FINISHED ASSEMBLY***

72246 SHOWN

SuperMax Play Systems

# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

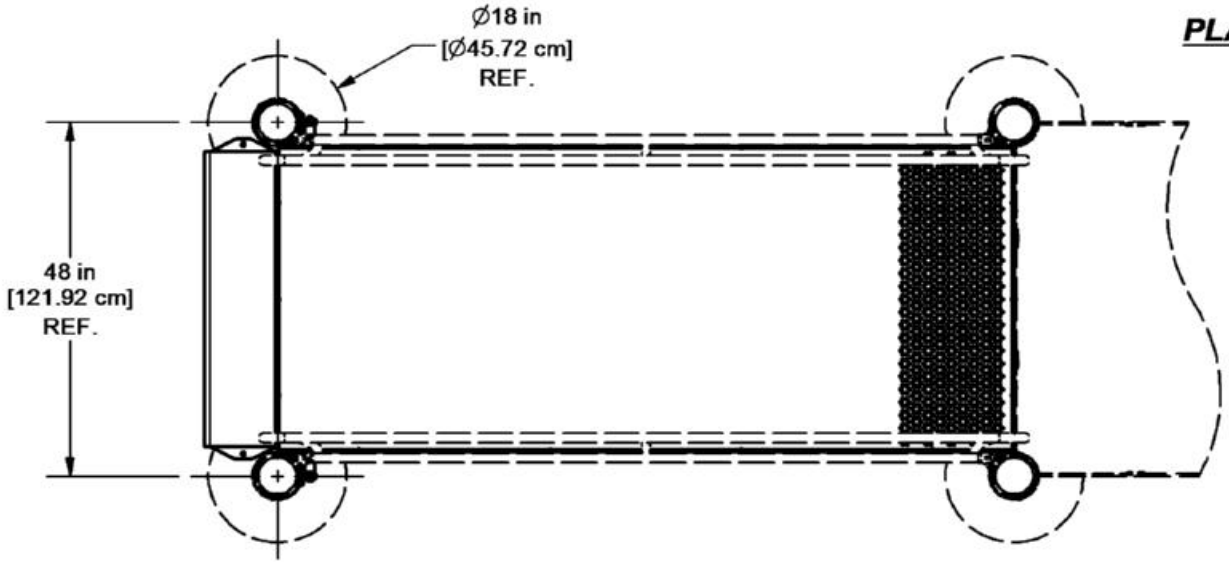
Issued/Revised: 9/19/2024

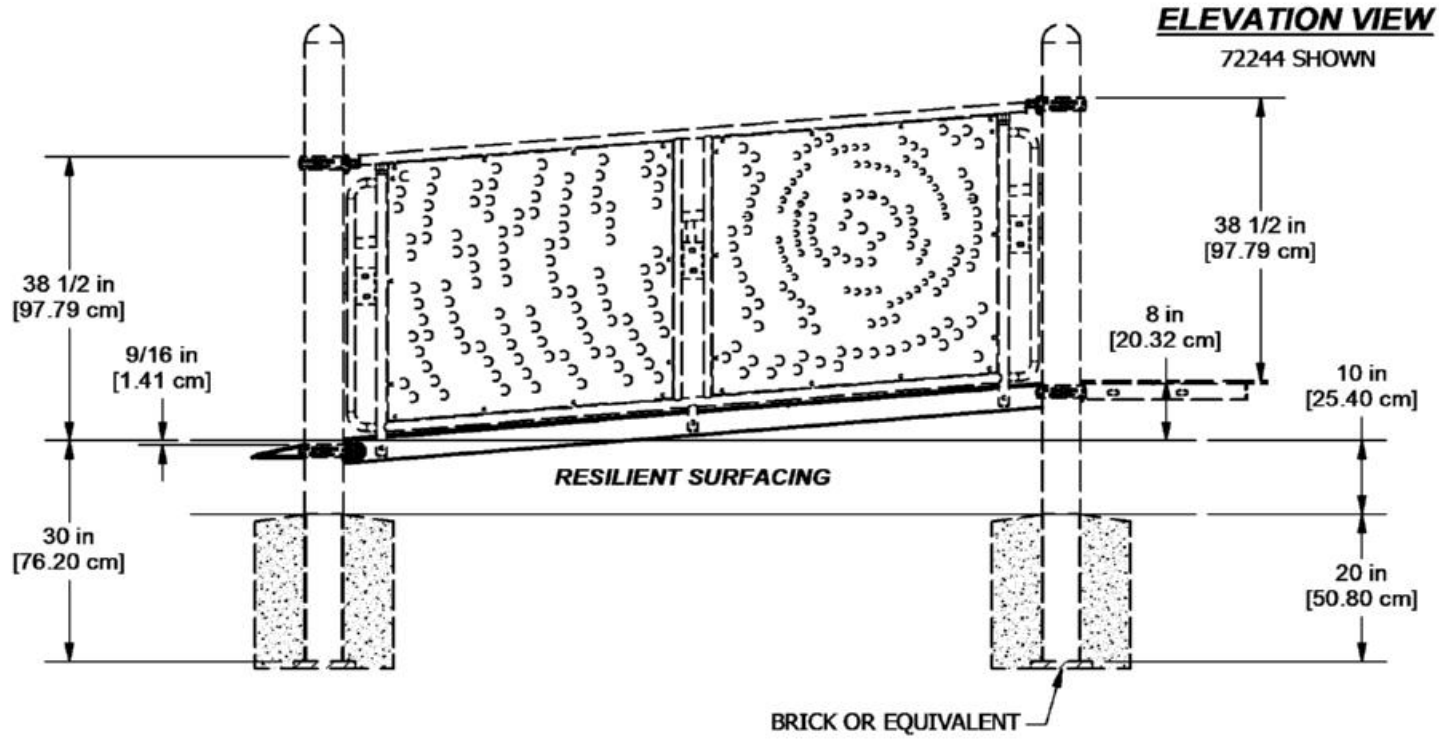
***FINISHED ASSEMBLY***

72247 SHOWN

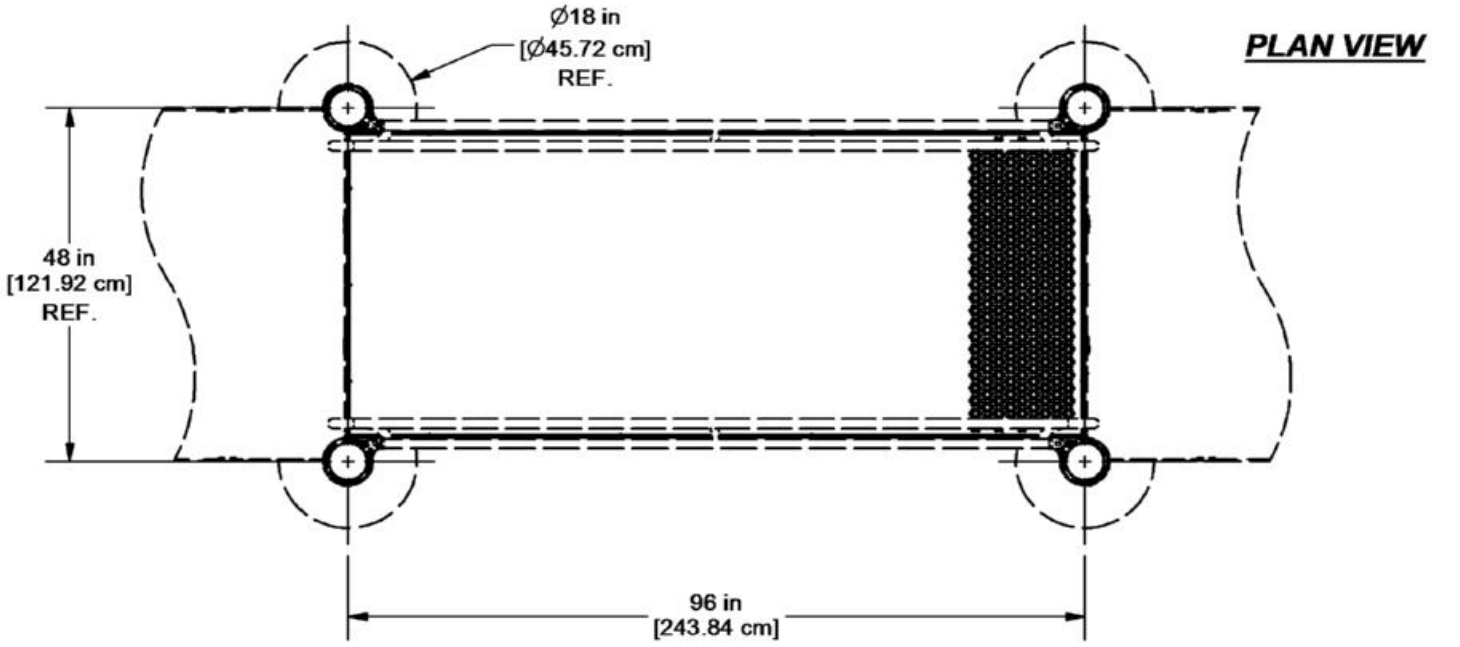
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

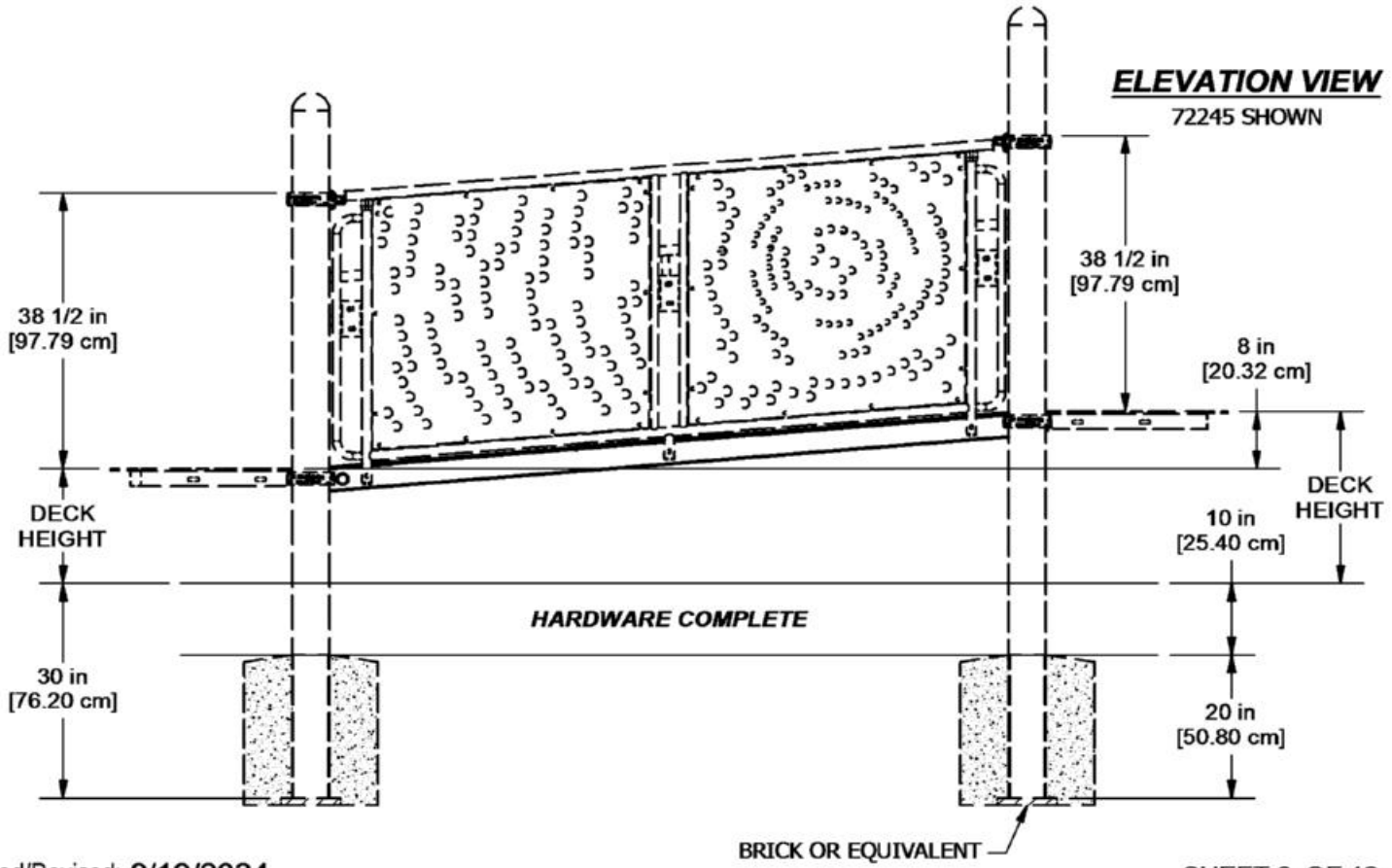
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY)



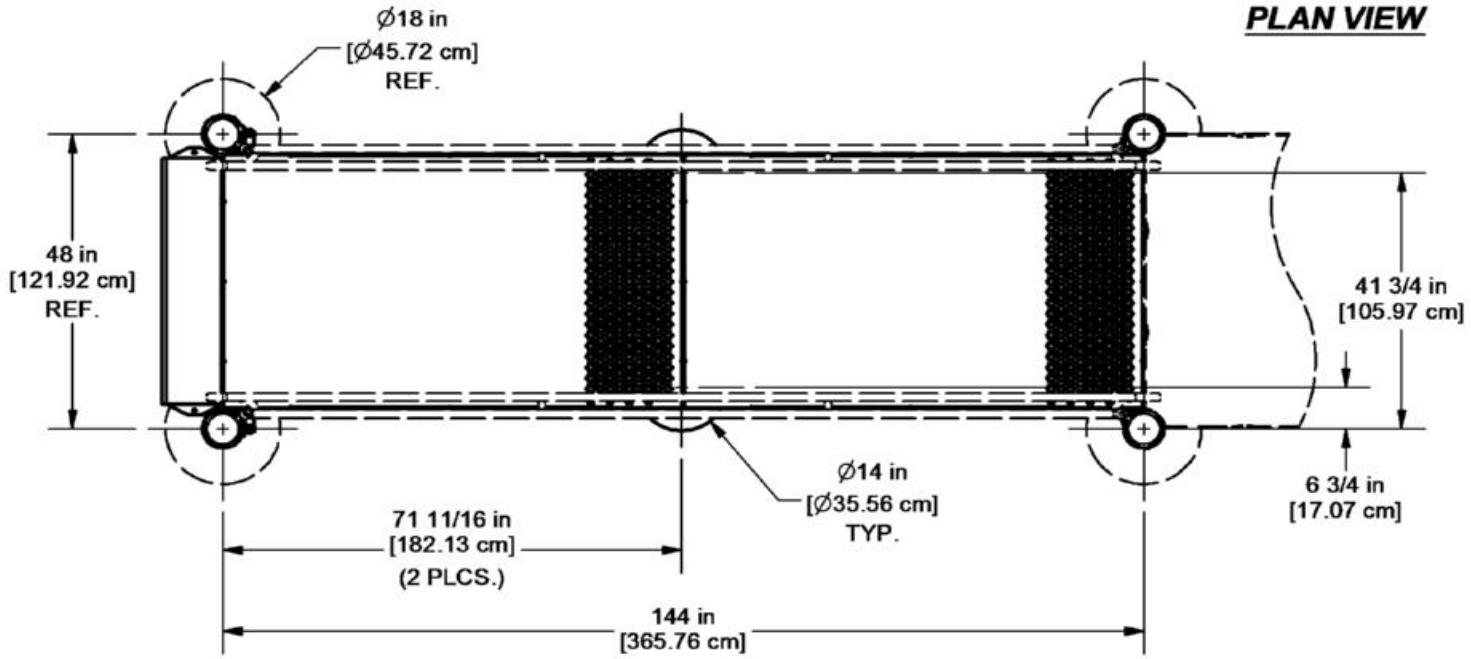
# 72245 8FT RAMP DECK TO DECK (RAMP ONLY)



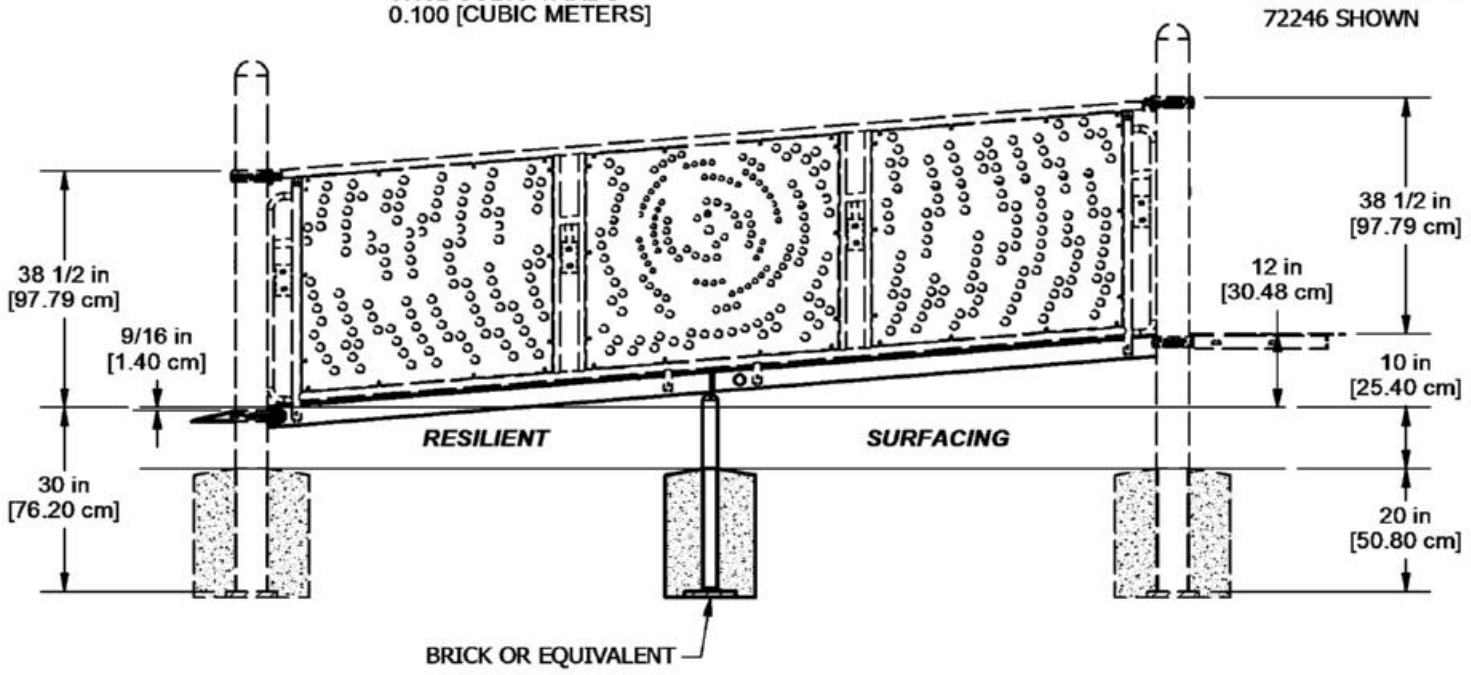
# 72246 12FT RAMP GROUND TO DECK (RAMP ONLY)

**PLAN VIEW**



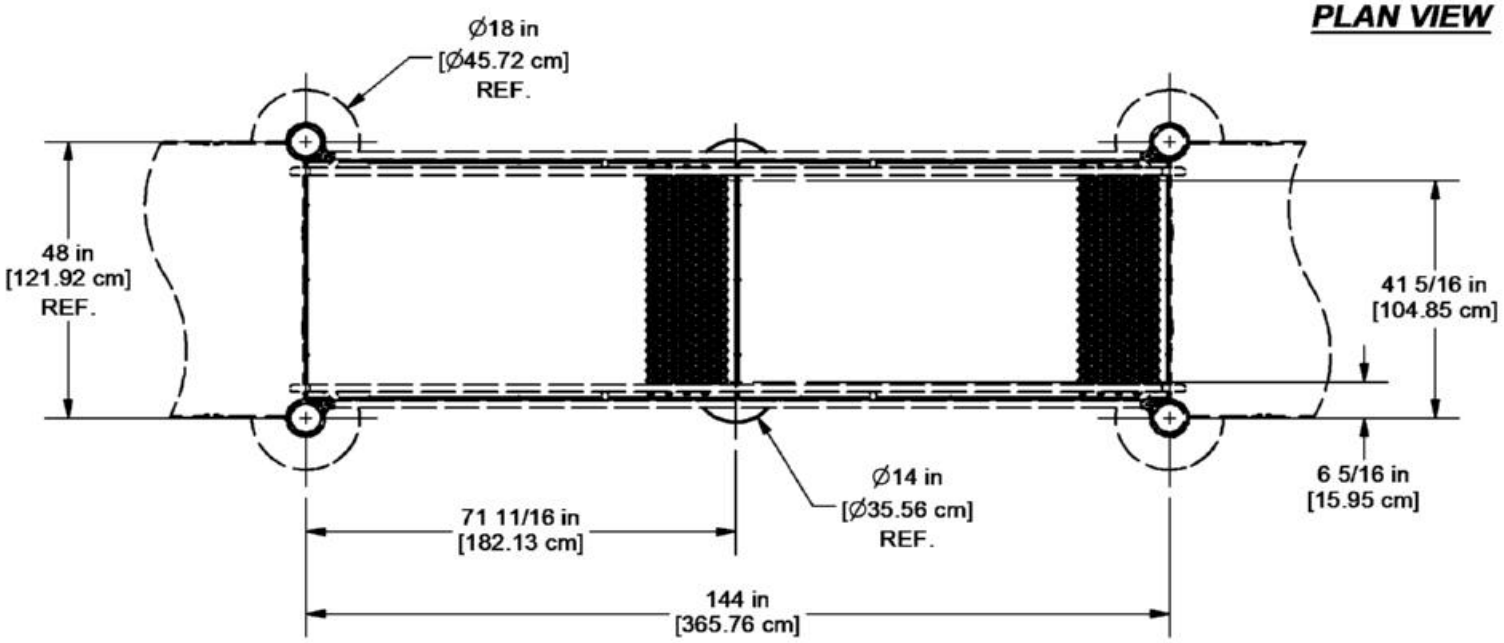

**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

**ELEVATION VIEW**
72246 SHOWN



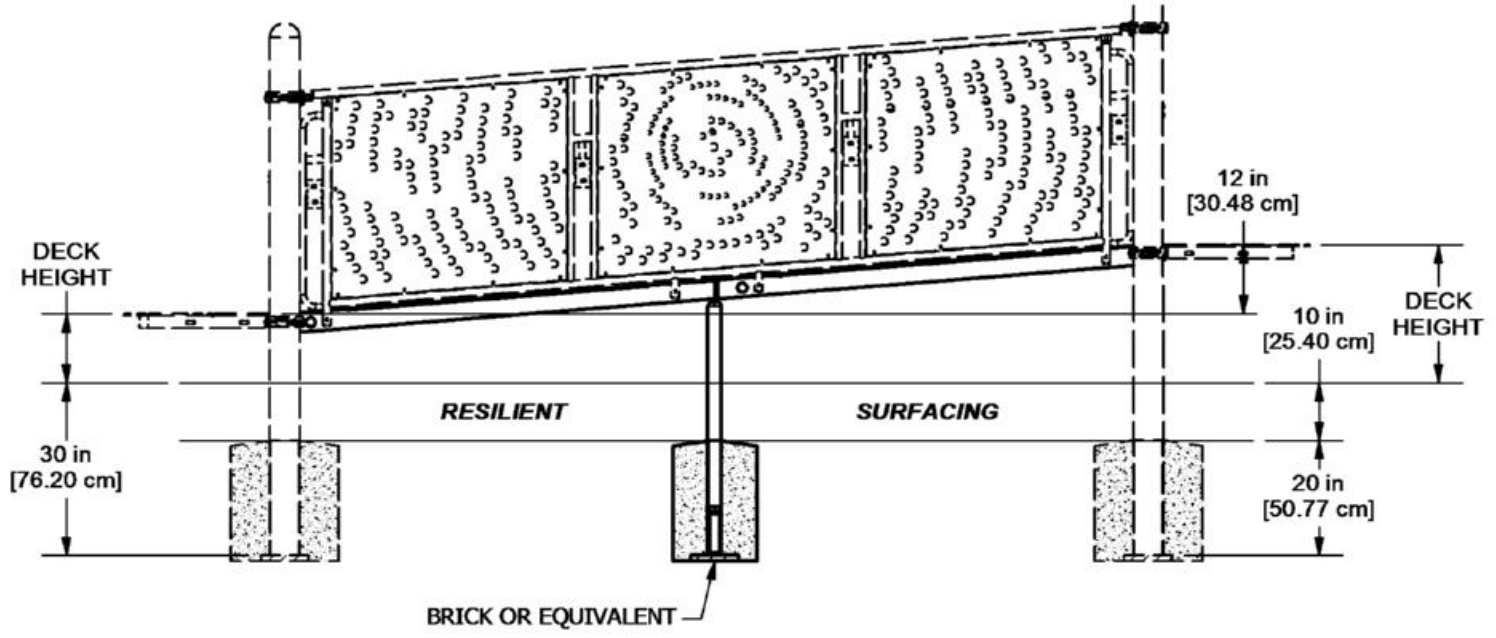
# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

**PLAN VIEW**

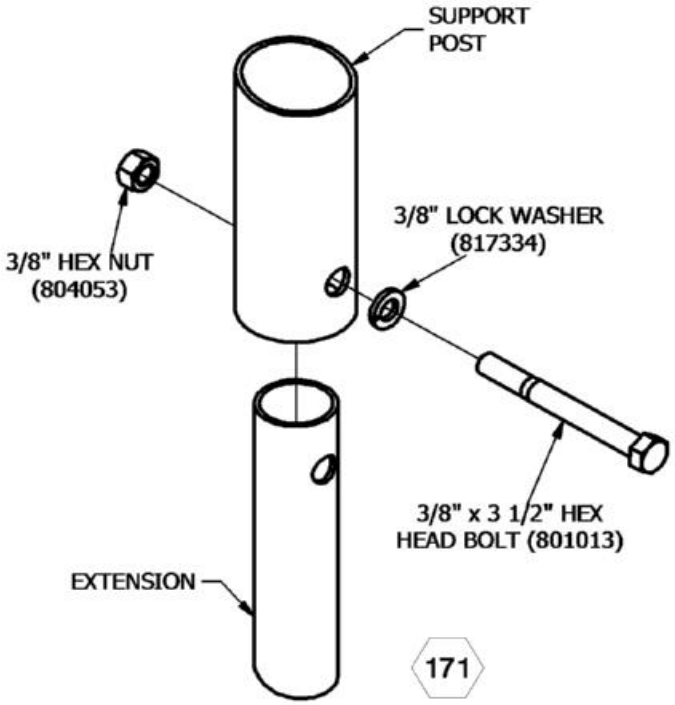



**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

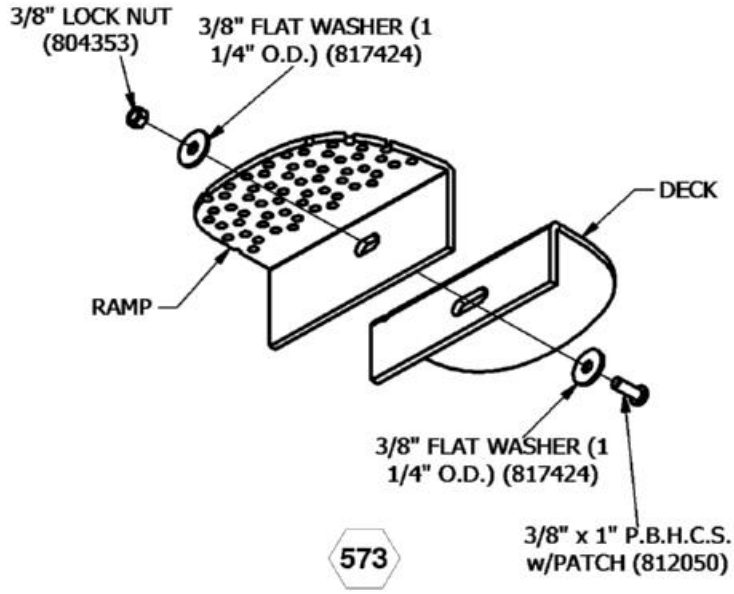
**ELEVATION VIEW**
72247 SHOWN



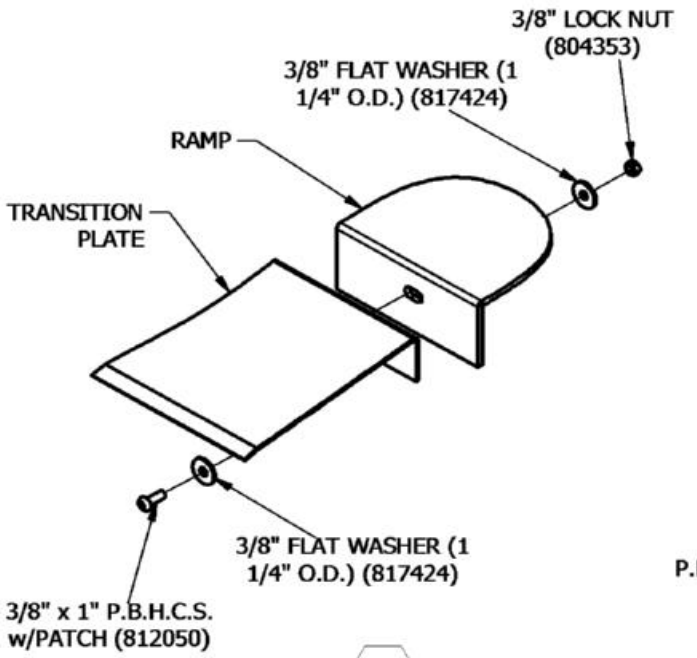
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



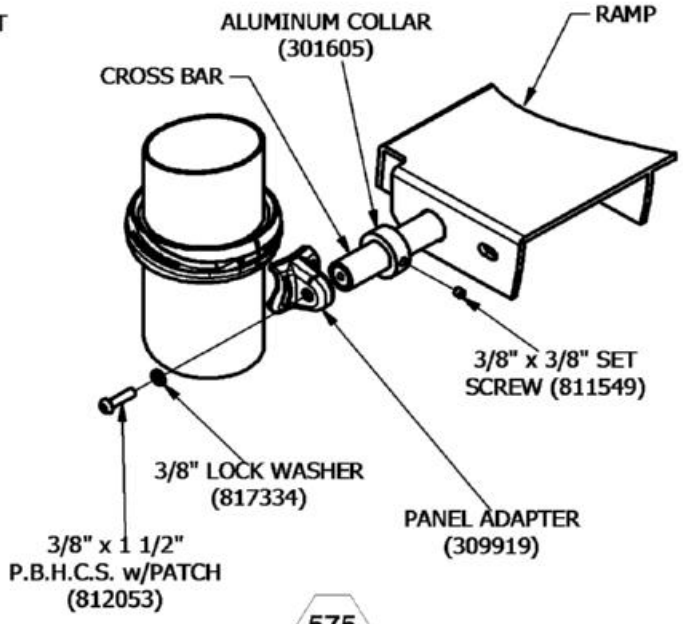

171




573



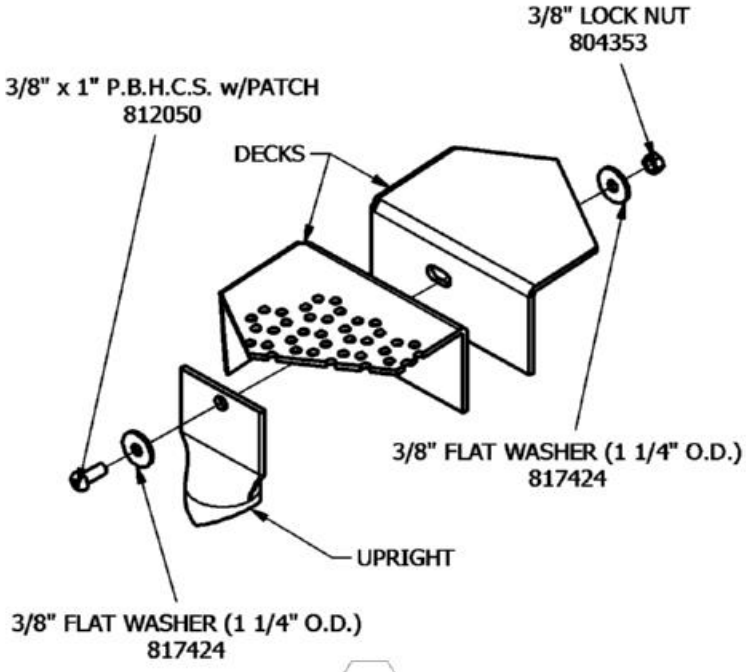

574




575

NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



SuperMax Play Systems

This equipment is designed for children 5-12 years old

# 72248 RIPPLELINK

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SINGLE PARALLAX CASTING WITH HARDWARE | 2 | 71992 |
| RING HALF CLAMP | 4 | 309913 |
| RIPPLELINK FRAME WELDMENT PAINTED | 2 | 317595 |
| RIPPLELINK CLAMP TAB A | 2 | 317587 |
| RIPPLELINK CLAMP TAB B | 2 | 317589 |
| RIPPLELINK CLAMP TAB C | 2 | 317591 |
| RIPPLELINK CLAMP TAB D | 2 | 317593 |
| RIPPLELINK CONVEYOR A | 1 | 317617 |
| RIPPLELINK CONVEYOR B | 1 | 317618 |
| HARDWARE COMPLETE | 1 | 317601 |
| 1/4" x 3/4" DRIVE RIVET | 2 | 168449 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 24 | 812052 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 8 | 812051 |
| 3/8" LOCK WASHER | 24 | 817334 |
| 3/8" FLAT WASHER | 8 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 40 | 817424 |
| 3/8" BARREL NUT | 24 | 804804 |
| 3/8" HEAVY HEX NUT | 8 | 804200 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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: Red thread locker (supplied by others) must be applied to all non-patch threaded hardware.***

# 72248 RIPPLELINK

## INSTALLATION INSTRUCTIONS:

1. Determine which decks are to receive the RippleLink. Refer to order Top View.

2. Attach Single Parallax Casting to upright. See Detail 1444.

3. Attach the RippleLink weldments to the Single Parallax Castings. See Detail 1432.

4. Attach the opposite ends of the RippleLink weldments to the opposing uprights with Ring Half Clamps. See Detail 777.

5. Attach Conveyers A and B to the RippleLink Frame Weldment using RippleLink Tab Clamps. See Detail 1252.
   **NOTE:** Conveyers A and B are to be mounted to the outer faces of the RippleLink Frame Weldment tabs.
   **NOTE:** Ensure Conveyors are installed with textured side facing up.

***IMPORTANT!*** **Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

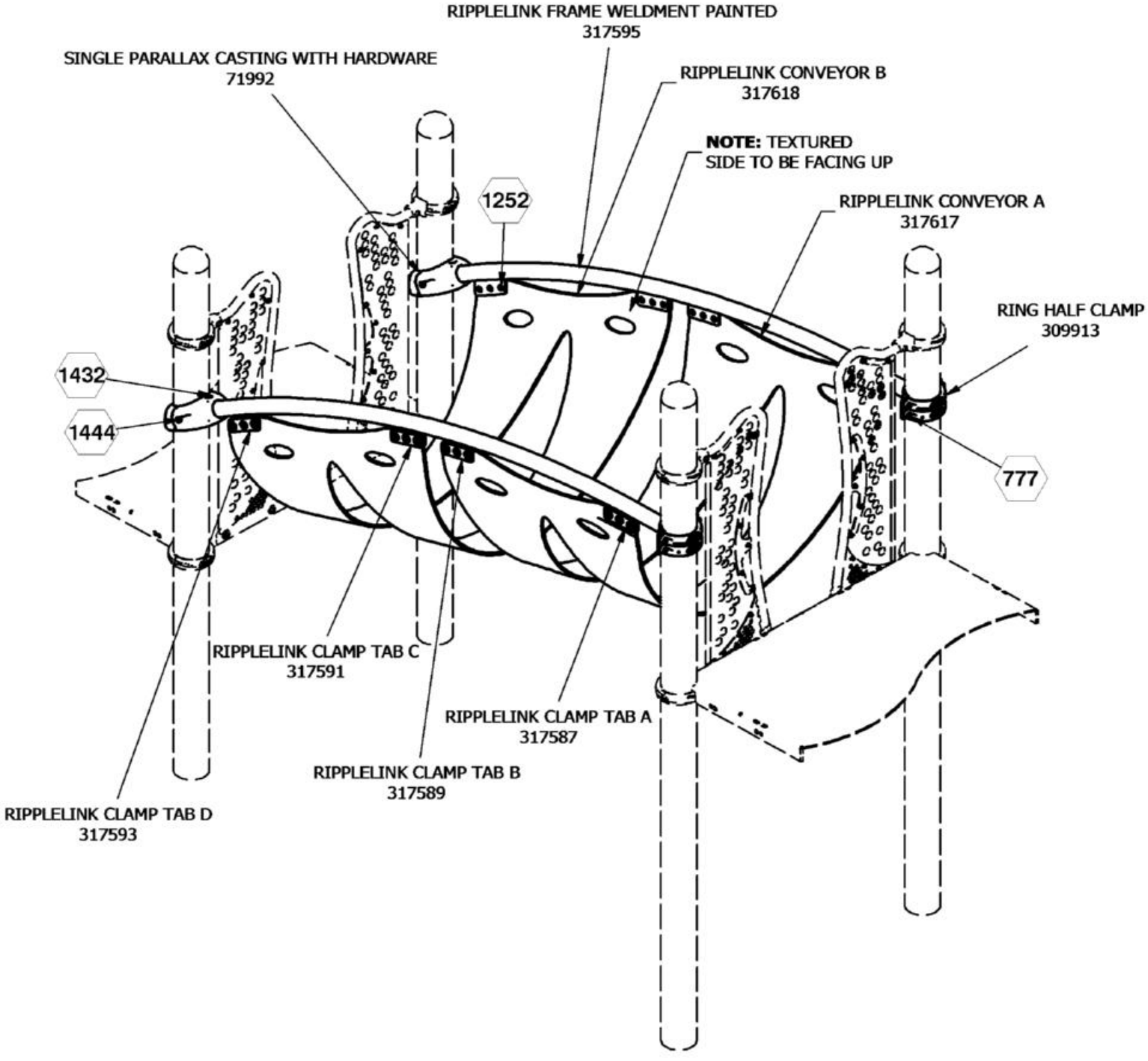
6. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also, eliminate sharp points and sharp 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.

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

SuperMax Play Systems

# 72248 RIPPLELINK




⬡ = INSTALLATION DETAIL

Issued/Revised: 6/23/2025

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 72248 RIPPLELINK

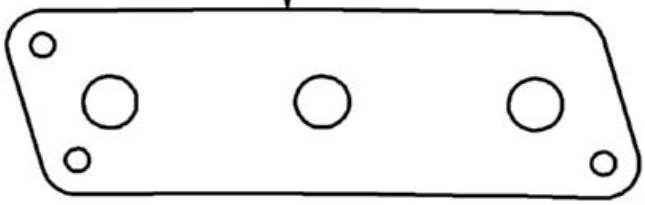


RIPPLELINK CLAMP TAB A
317586

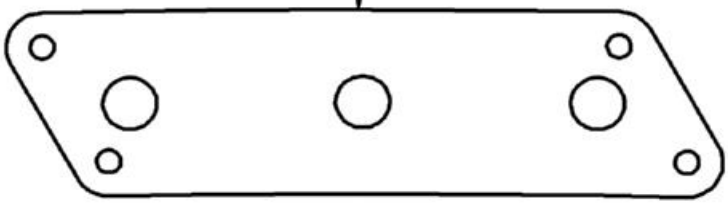


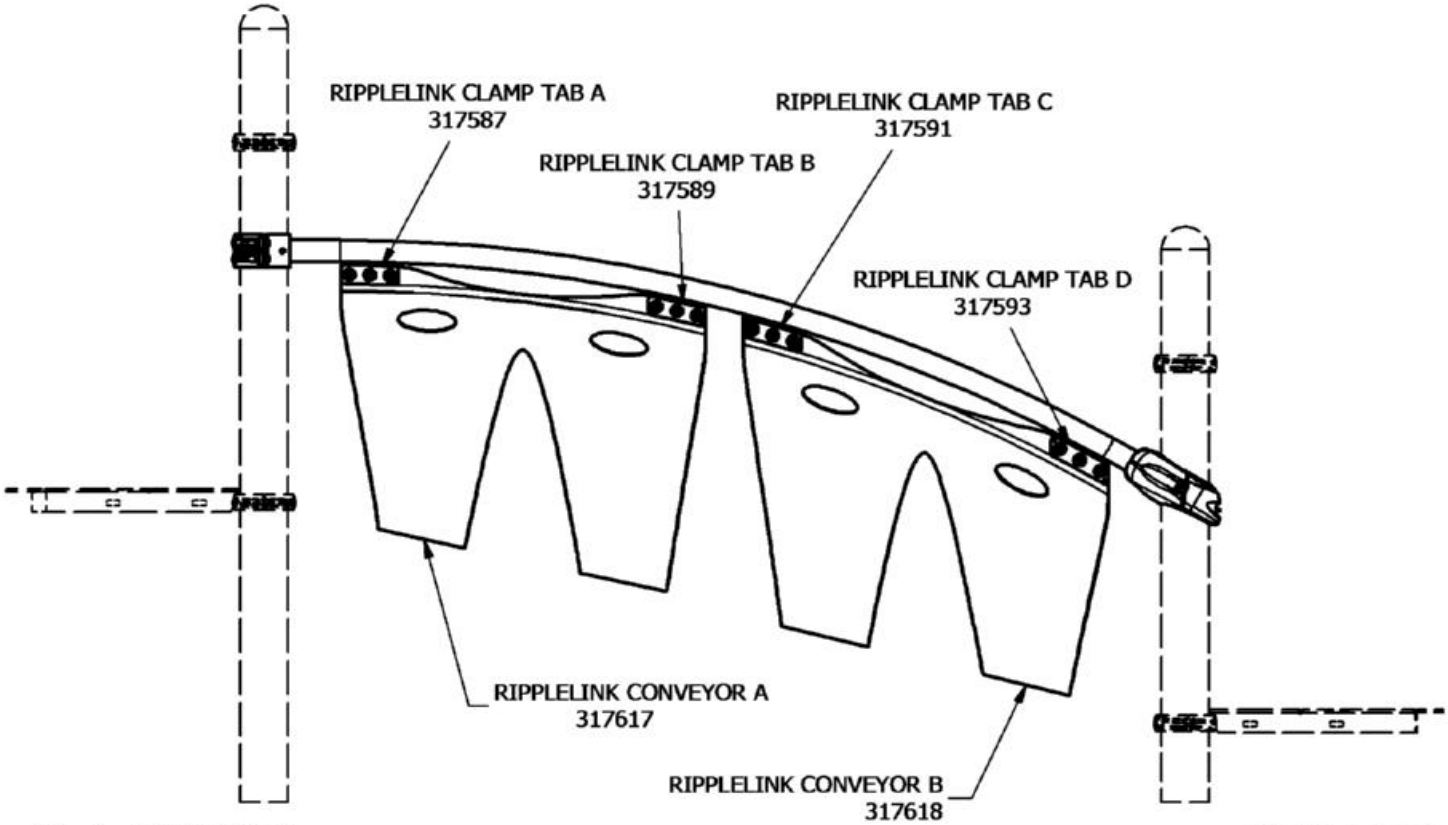
RIPPLELINK CLAMP TAB B
317588

RIPPLELINK CLAMP TAB C
317590

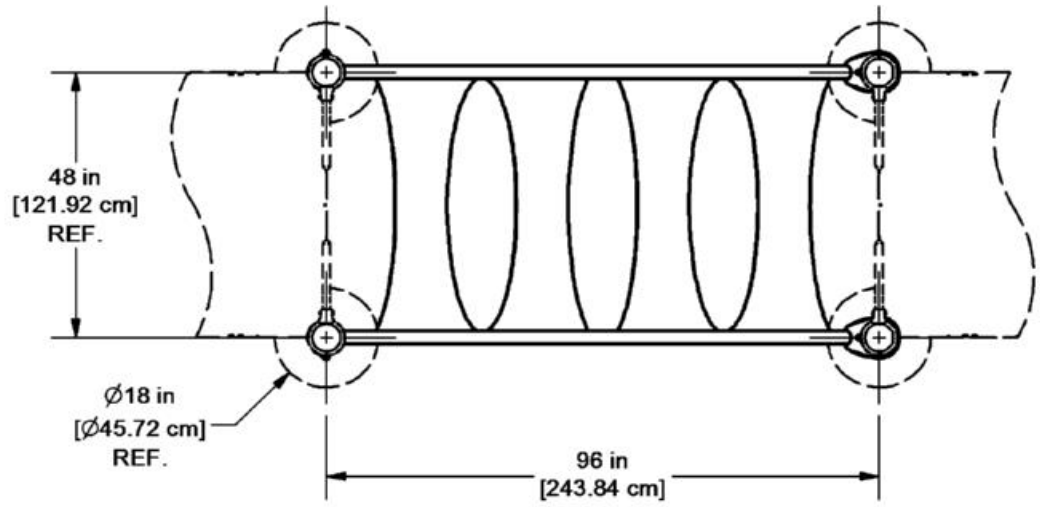


RIPPLELINK CLAMP TAB D
317592

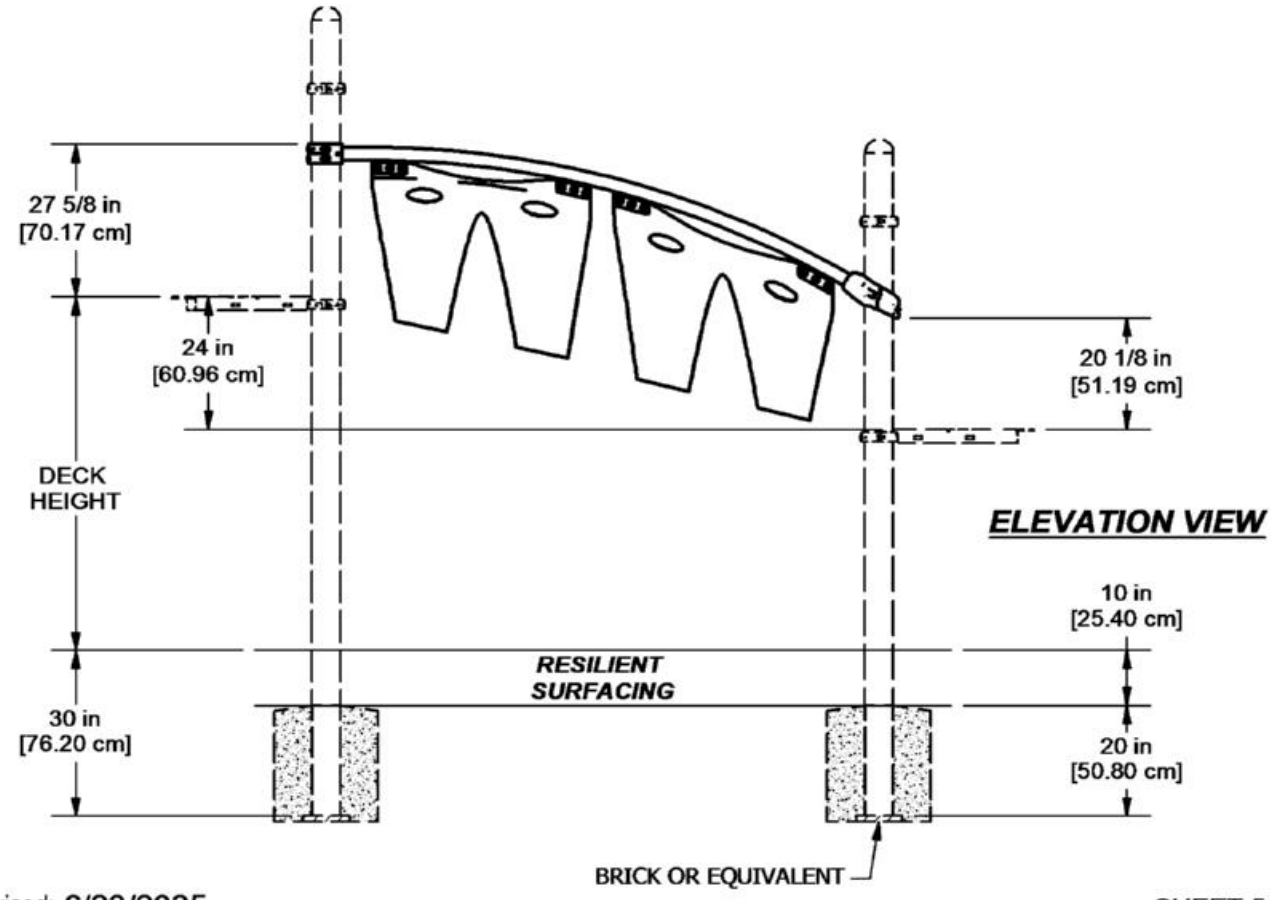




# 72248 RIPPLELINK

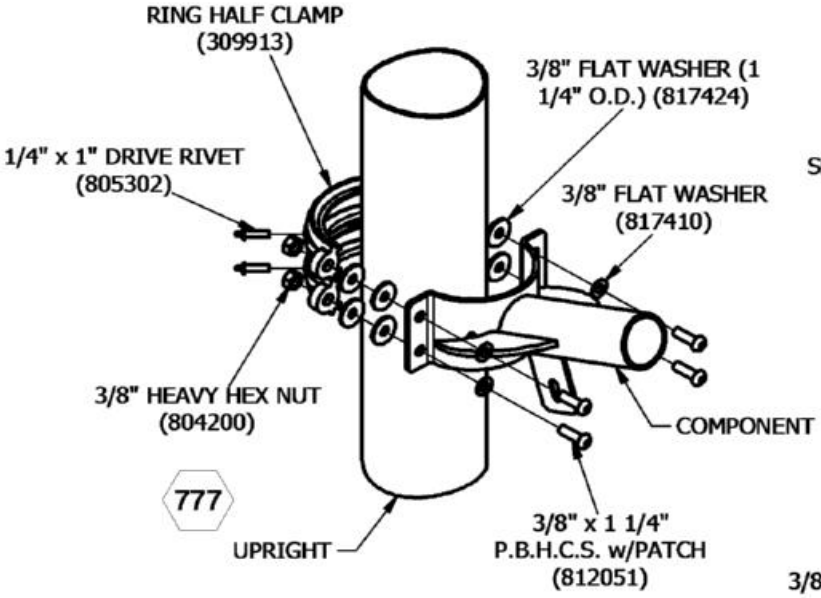


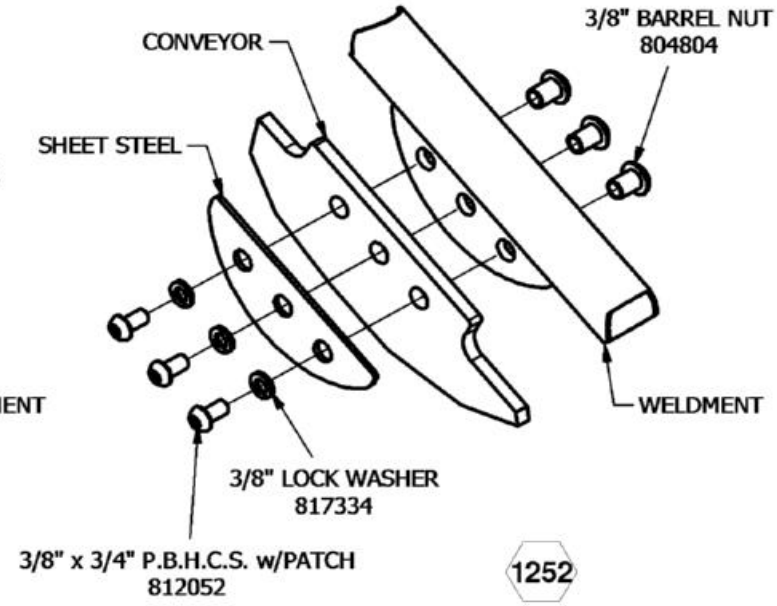

**PLAN VIEW**

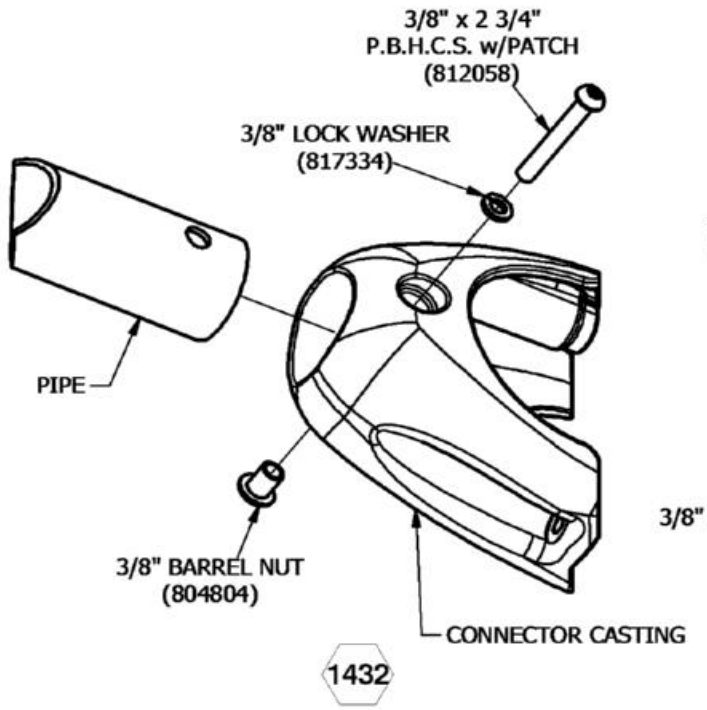


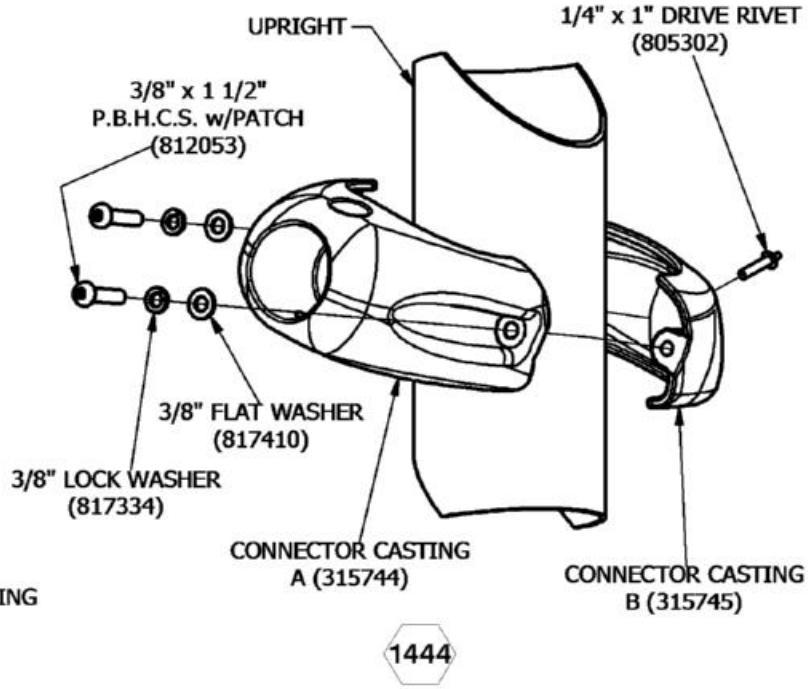

**ELEVATION VIEW**

# 72248 RIPPLELINK




Issued/Revised: 6/23/2025

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

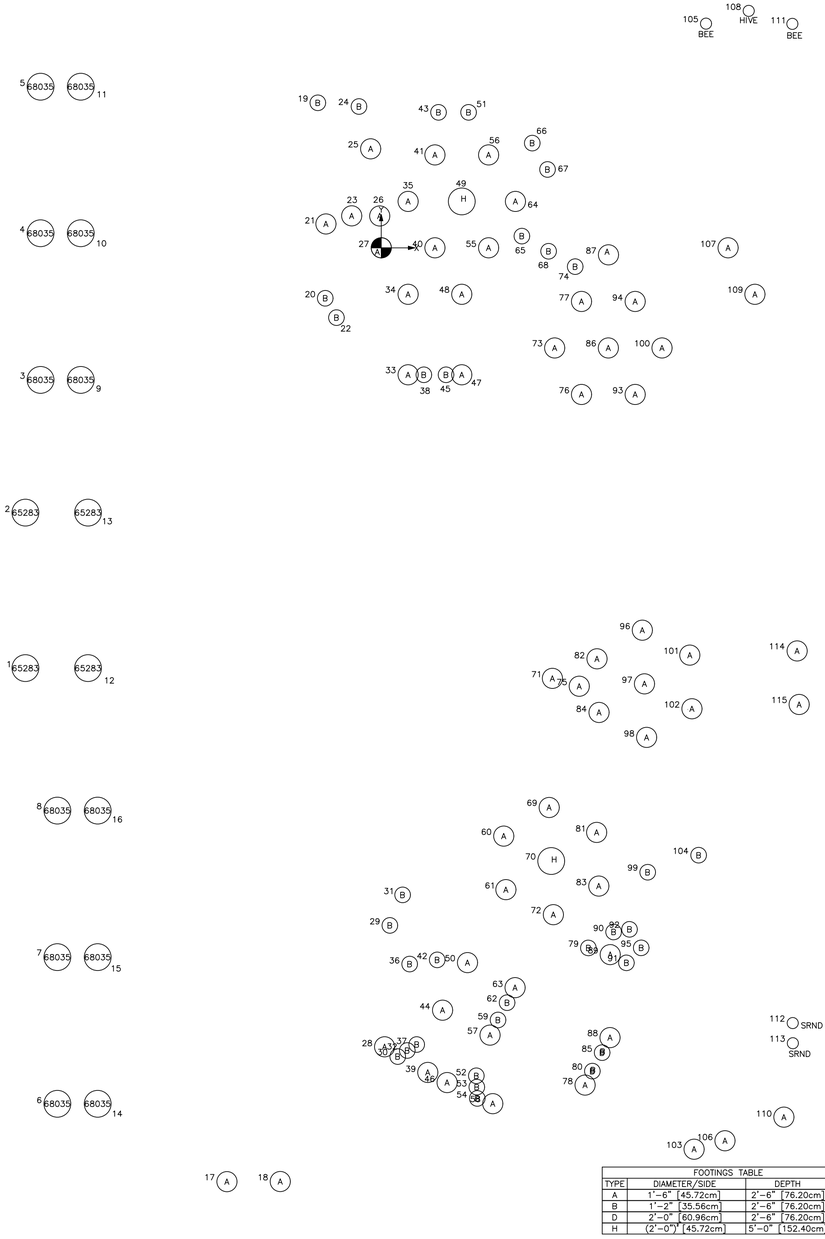
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

# Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS




| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | -26'-6" | -31'-4 1/2" | 41'-1" |
| 2 | -26'-6" | -19'-9 1/2" | 33'-1" |
| 3 | -25'-4 1/2" | -9'-10 1/2" | 27'-3" |
| 4 | -25'-4 1/2" | 1'-0 1/2" | 25'-5" |
| 5 | -25'-4 1/2" | 11'-11 1/2" | 28'-1" |
| 6 | -24'-1 1/2" | -63'-10 1/2" | 68'-3 1/2" |
| 7 | -24'-1 1/2" | -52'-10 1/2" | 58'-1 1/2" |
| 8 | -24'-1 1/2" | -41'-11 1/2" | 48'-5" |
| 9 | -22'-4 1/2" | -9'-10 1/2" | 24'-5 1/2" |
| 10 | -22'-4 1/2" | 1'-0 1/2" | 22'-5" |
| 11 | -22'-4 1/2" | 11'-11 1/2" | 25'-4 1/2" |
| 12 | -21'-10" | -31'-4 1/2" | 38'-3" |
| 13 | -21'-10" | -19'-9 1/2" | 29'-6" |
| 14 | -21'-1 1/2" | -63'-10 1/2" | 67'-3 1/2" |
| 15 | -21'-1 1/2" | -52'-10 1/2" | 56'-11 1/2" |
| 16 | -21'-1 1/2" | -41'-11 1/2" | 47' |
| 17 | -11'-6" | -69'-7 1/2" | 70'-7" |
| 18 | -7'-6 1/2" | -69'-7 1/2" | 70'-0 1/2" |
| 19 | -4'-8 1/2" | 10'-9 1/2" | 11'-9 1/2" |
| 20 | -4'-2" | -3'-9 1/2" | 5'-7 1/2" |
| 21 | -4'-1 1/2" | 1'-8 1/2" | 4'-5 1/2" |
| 22 | -3'-4" | -5'-2 1/2" | 6'-2 1/2" |
| 23 | -2'-2 1/2" | 2'-4 1/2" | 3'-3" |
| 24 | -1'-8" | 10'-6 1/2" | 10'-8" |
| 25 | -9 1/2" | 7'-4 1/2" | 7'-5" |
| 26 | -1 1/2" | 2'-4 1/2" | 2'-4 1/2" |
| 27 | 0" | -1/2" | 1/2" |
| 28 | 3" | -59'-7 1/2" | 59'-7 1/2" |
| 29 | 7 1/2" | -50'-6 1/2" | 50'-6 1/2" |
| 30 | 1'-2 1/2" | -60'-3 1/2" | 60'-3 1/2" |
| 31 | 1'-7" | -48'-3 1/2" | 48'-4" |
| 32 | 1'-11 1/2" | -59'-10 1/2" | 59'-11" |
| 33 | 2' | -9'-5 1/2" | 9'-8" |
| 34 | 2' | -3'-5 1/2" | 4' |
| 35 | 2' | 3'-5 1/2" | 4" |
| 36 | 2'-1 1/2" | -53'-5 1/2" | 53'-6" |
| 37 | 2'-8" | -59'-5 1/2" | 59'-6 1/2" |
| 38 | 3'-2" | -9'-5 1/2" | 10' |
| 39 | 3'-5 1/2" | -61'-6 1/2" | 61'-7 1/2" |
| 40 | 4' | -1/2" | 4' |
| 41 | 4' | 6'-10 1/2" | 7'-11 1/2" |
| 42 | 4'-2" | -53'-1 1/2" | 53'-3 1/2" |
| 43 | 4'-3 1/2" | 10'-0 1/2" | 10'-11" |
| 44 | 4'-7" | -56'-10 1/2" | 57'-1" |
| 45 | 4'-10" | -9'-5 1/2" | 10'-7 1/2" |
| 46 | 4'-11" | -62'-3 1/2" | 62'-6" |
| 47 | 6' | -9'-5 1/2" | 11'-2 1/2" |
| 48 | 6' | -3'-5 1/2" | 6'-11" |
| 49 | 6' | 3'-5 1/2" | 6'-11" |
| 50 | 6'-5" | -53'-3 1/2" | 53'-8" |
| 51 | 6'-6" | 10'-0 1/2" | 11'-11 1/2" |
| 52 | 7'-1" | -61'-9 1/2" | 62'-2 1/2" |
| 53 | 7'-1 1/2" | -62'-7 1/2" | 63'-0 1/2" |
| 54 | 7'-2" | -63'-5 1/2" | 63'-10 1/2" |
| 55 | 8' | -1/2" | 8' |
| 56 | 8' | 6'-10 1/2" | 10'-6 1/2" |
| 57 | 8'-1 1/2" | -58'-8 1/2" | 59'-3" |
| 58 | 8'-4" | -63'-9 1/2" | 64'-4" |
| 59 | 8'-8 1/2" | -57'-7 1/2" | 58'-3 1/2" |
| 60 | 9'-1 1/2" | -43'-10 1/2" | 44'-10" |
| 61 | 9'-3 1/2" | -47'-10 1/2" | 48'-9 1/2" |
| 62 | 9'-4 1/2" | -56'-3 1/2" | 57'-1" |
| 63 | 9'-11 1/2" | -55'-2 1/2" | 56'-1 1/2" |
| 64 | 10' | 3'-5 1/2" | 10'-7" |
| 65 | 10'-6" | 10 1/2" | 10'-6" |
| 66 | 11'-3" | 7'-9 1/2" | 13'-8" |
| 67 | 12'-4 1/2" | 5'-9 1/2" | 13'-8" |
| 68 | 12'-5 1/2" | -3 1/2" | 12'-5 1/2" |
| 69 | 12'-6" | -41'-8 1/2" | 43'-6 1/2" |
| 70 | 12'-8" | -45'-8 1/2" | 47'-5" |
| 71 | 12'-9" | -32'-1 1/2" | 34'-7" |
| 72 | 12'-10" | -49'-8 1/2" | 51'-4" |
| 73 | 12'-11" | -7'-5 1/2" | 14'-11" |
| 74 | 14'-5 1/2" | -1'-5 1/2" | 14'-6 1/2" |
| 75 | 14'-9" | -32'-8 1/2" | 35'-10 1/2" |
| 76 | 14'-11" | -10'-11 1/2" | 18'-6 1/2" |
| 77 | 14'-11" | -4'-0 1/2" | 15'-5 1/2" |
| 78 | 15'-2 1/2" | -62'-5 1/2" | 64'-3 1/2" |
| 79 | 15'-5 1/2" | -52'-2 1/2" | 54'-5 1/2" |
| 80 | 15'-9" | -61'-4 1/2" | 63'-4 1/2" |
| 81 | 16'-0 1/2" | -43'-7 1/2" | 46'-6" |
| 82 | 16'-1" | -30'-8 1/2" | 34'-8" |
| 83 | 16'-2 1/2" | -47'-7 1/2" | 50'-4" |
| 84 | 16'-3" | -34'-8 1/2" | 38'-4" |
| 85 | 16'-5 1/2" | -60'-0 1/2" | 62'-3" |
| 86 | 16'-11" | -7'-5 1/2" | 18'-6" |
| 87 | 16'-11 1/2" | -6 1/2" | 16'-11 1/2" |
| 88 | 17'-0 1/2" | -58'-10 1/2" | 61'-3 1/2" |
| 89 | 17'-1" | -52'-8 1/2" | 55'-5" |
| 90 | 17'-4" | -51'-0 1/2" | 53'-11" |
| 91 | 18'-3 1/2" | -53'-3 1/2" | 56'-4" |
| 92 | 18'-6" | -50'-9 1/2" | 54'-0 1/2" |
| 93 | 18'-11" | -10'-11 1/2" | 21'-10 1/2" |
| 94 | 18'-11" | -4'-0 1/2" | 19'-4 1/2" |
| 95 | 19'-4 1/2" | -52'-2 1/2" | 55'-8 1/2" |
| 96 | 19'-5 1/2" | -28'-6 1/2" | 34'-6 1/2" |
| 97 | 19'-7 1/2" | -32'-6 1/2" | 38' |
| 98 | 19'-9 1/2" | -36'-6 1/2" | 41'-6 1/2" |
| 99 | 19'-10 1/2" | -46'-6 1/2" | 50'-7 1/2" |
| 100 | 20'-11" | -7'-5 1/2" | 22'-2 1/2" |
| 101 | 23' | -30'-4 1/2" | 38'-1" |
| 102 | 23'-2" | -34'-4 1/2" | 41'-5 1/2" |
| 103 | 23'-4" | -67'-2 1/2" | 71'-1 1/2" |
| 104 | 23'-8" | -45'-3 1/2" | 51'-1" |
| 105 | 24'-2 1/2" | 16'-8 1/2" | 29'-5" |
| 106 | 25'-7 1/2" | -66'-7 1/2" | 71'-4 1/2" |
| 107 | 25'-10 1/3" | -1/2" | 25'-10 1/2" |
| 108 | 27'-4 1/2" | 17'-7 1/2" | 32'-7" |
| 109 | 27'-10 1/2" | -3'-5 1/2" | 28'-1" |
| 110 | 30' | -64'-10 1/2" | 71'-6" |
| 111 | 30'-7 1/2" | 16'-7 1/2" | 34'-10 1/2" |
| 112 | 30'-8" | -57'-9 1/2" | 65'-5" |
| 113 | 30'-8" | -59'-3 1/2" | 66'-9" |
| 114 | 31' | -30'-0 1/2" | 43'-2" |
| 115 | 31'-2" | -34'-0 1/2" | 46'-2" |

IF FOOTING CONTAINS A COMPONENT NUMBER, REFERENCE THE INSTALLATION MANUAL FOR COMPONENT FOOTING SPECS.

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH | QTY. |
| A | 1'-6" [45.72cm] | 2'-6" [76.20cm] | 58 |
| B | 1'-2" [35.56cm] | 2'-6" [76.20cm] | 36 |
| D | 2'-0" [60.96cm] | 2'-6" [76.20cm] | 16 |
| H | (2'-0") [45.72cm] | 5'-0" [152.40cm] | 2 |

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

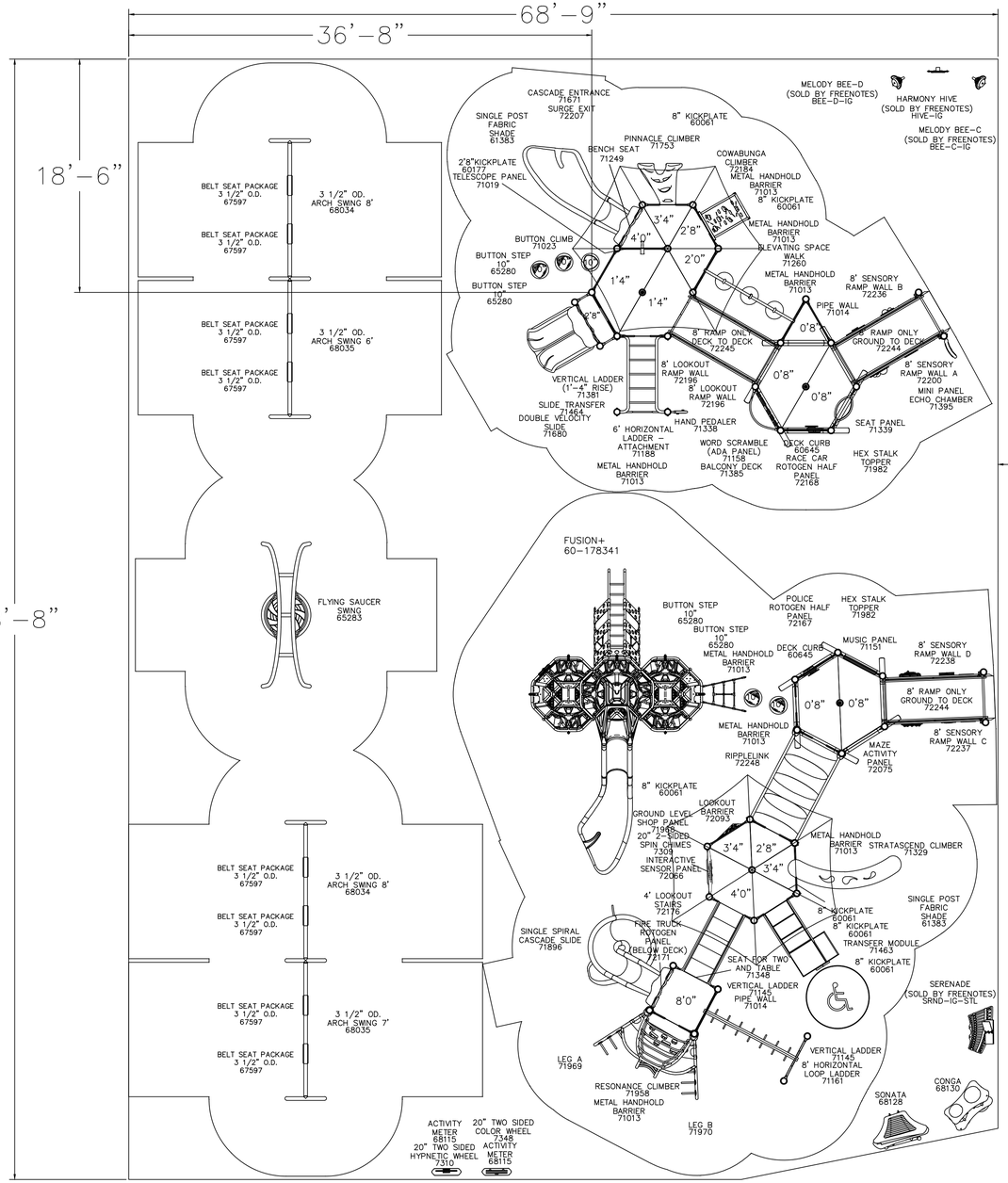
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS
FREENOTES HARMONY PARK™




TOTAL OVERALL AREA
6057 SQ FT
312 LINEAR FT
RED: 2993 SQ FT
BLUE: 3064 SQ FT

This equipment is designed for children **2-5** years old

| | | | |
|---|---|---|---|
| Total Play Components | 25 | | |
| Elevated Play Components | 11 | | |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 |
| Elevated Components Accessible by Transfer | 11 | Req. | 6 |
| Accessible Ground Level Components Shown | 14 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
100-110
Critical Fall Height
7'-0"

This equipment is designed for children **5-12** years old

| | | | |
|---|---|---|---|
| Total Play Components | 26 | | |
| Elevated Play Components | 10 | | |
| Elevated Play Components Accessible by Ramp | 5 | Req. | 0 |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 |
| Accessible Ground Level Components Shown | 16 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
90-100
Critical Fall Height
9'-0"

0 5 10 20

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Cape Elementary School
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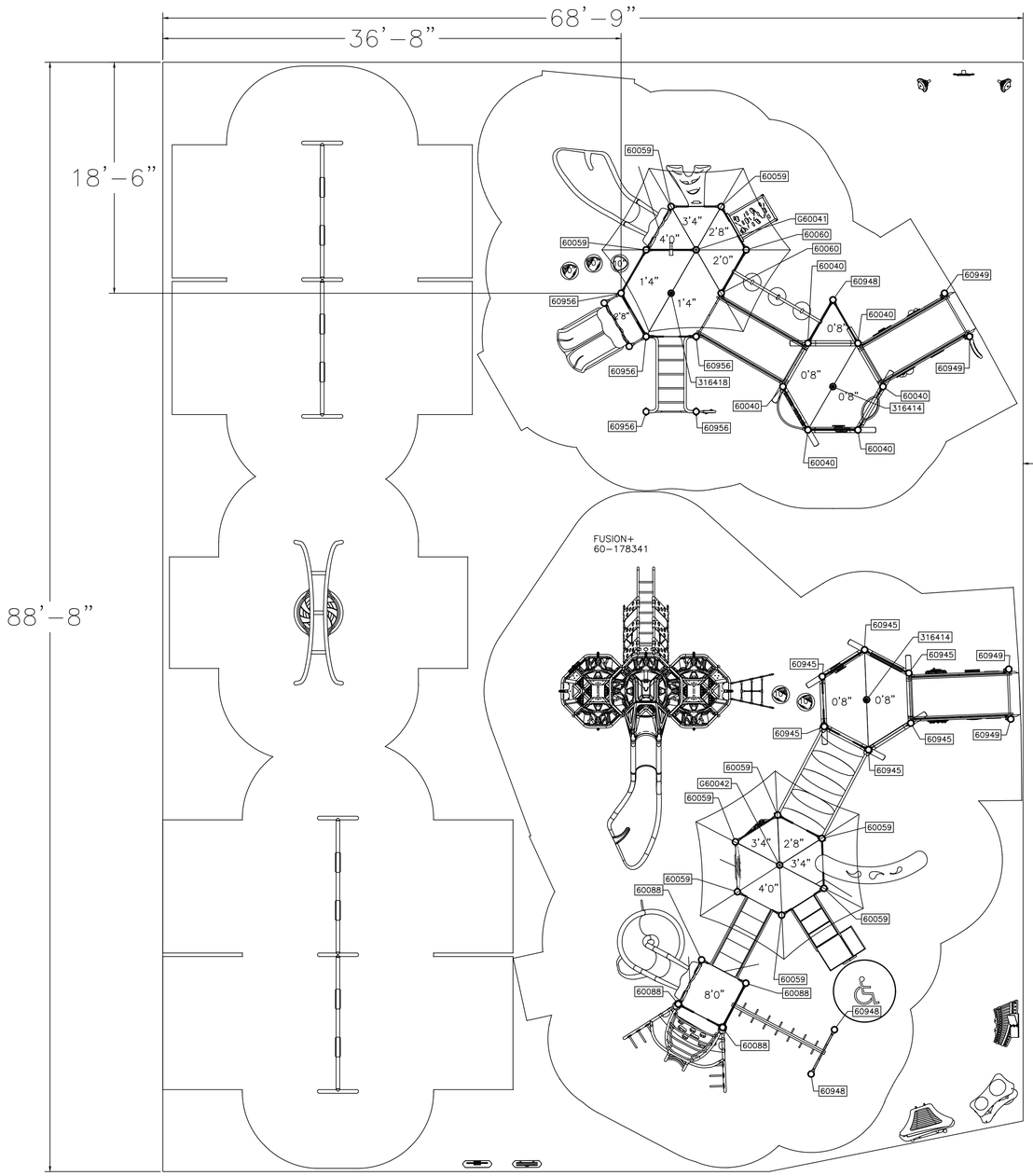
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User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

# Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS
FREE NOTES HARMONY PARK™




TOTAL OVERALL AREA
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User Capacity
100-110
Critical Fall Height
7'-0"

| | | | |
|---|---|---|---|
| Total Play Components | 26 | | |
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| Accessible Ground Level Components Shown | 16 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
90-100
Critical Fall Height
9'-0"

This equipment is designed for children **5-12** years old

UPRIGHT INFORMATION

| UPRIGHT | DESCRIPTION |
|---|---|
| 316414 | 37.625" ALUM FLAT CAP UPRIGHT |
| 316418 | 45.625" ALUM FLAT CAP UPRIGHT |
| 60040 | 11" GENERIC UPRIGHT wo/CAP |
| 60059 | 10" GENERIC UPRIGHT w/CAP |
| 60060 | 12" GENERIC UPRIGHT w/CAP |
| 60088 | 14" GENERIC UPRIGHT w/CAP |
| 60945 | 9" GENERIC UPRIGHT wo/CAP |
| 60948 | 11" GENERIC UPRIGHT w/CAP |
| 60949 | 7" GENERIC UPRIGHT w/CAP |
| 60956 | 9" GENERIC UPRIGHT w/CAP |
| G60041 | 13" GENERIC UPRIGHT wo/CAP |
| G60042 | 14" GENERIC UPRIGHT wo/CAP |

0 5 10 20

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
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play&park structures®

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# OWNERS MANUAL



Visit www.playcore.com/shipment or use the QR code to give feedback about the condition of the shipment, quality of the product, and installation feedback.
**Please include pictures.**

This document includes;

- Warranty Information
- Ground Plan
- Hardware Listing
- Assembly and Installation Instructions

IPEMA MEMBER | ASTM INTERNATIONAL | ISO 9001

playandpark.com | 800.727.1907

PPS-SO-6462601-3

play&park structures®

A PLAYCORE Company

Dear Play & Park Customer,

Thank you for choosing to purchase and install a Play & Park Structures play system. We appreciate the confidence and trust you have placed in our company.

Your Play & Park Structures Installation Guide is enclosed. We designed this manual specifically for the products you have purchased. Included in this manual you will find the following documents:

- Product Installation Instructions
- 2-D Top View Drawing specific to your structure
- Ground Plan

If you have any questions concerning your new equipment, you can reach your recreation consultant by calling 1-800-727-1907. To contact a Play & Park Structures customer service representative, you may call 1-888-404-5737 or reach them online by sending an email to: customerservice@playandpark.com

For more information on Play & Park Structures products, please do not hesitate to call us, or visit us online at www.playandpark.com.

Thank you for your business; we look forward to working with you on future playground equipment projects!

Sincerely,

Play & Park Structures

# Safety Guidelines

Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. Play & Park Structures STRONGLY recommends that you follow these Safety Guidelines in conjunction with conducting periodic maintenance inspections using the accompanying Playground Maintenance Checklist.
When installing, always consider local conditions and codes. Good common sense works hand-in-hand with the instructions.

## LOCATING YOUR PLAY STRUCTURE

Comply with the following when choosing the location for your new equipment:

- Equipment should be placed to eliminate conflicting traffic patterns. As a general rule, allow at least 6' of free space around the entire structure, EXCEPT for slide exits, which require a distance X equal to highest point of sliding surface with a minimum of 72" and maximum of 96" from the edge of the slide. Example: a Slide from a 6' high deck requires 6' of clear space with resilient surfacing in front of and behind them for safe circulation. Example: a Swing with a 8' high beam requires 16' of free space in front, and another 16' behind it, for a total of 32'. These minimum areas should be filled with the appropriate resilient surface material. See below for resilient surfacing recommendations.
- If your equipment includes any metal slides, they should be positioned in a shaded area, or at least positioned to avoid the sun's direct rays.
- Never overlap the safety zones of adjacent equipment. All separate play equipment must have its own safety zone, and these cannot overlap. So, if you have an existing structure with a slide exit oriented toward your new one, add your minimum safety zone to that of the existing slide to determine how far away you need to be.
- Never install playground equipment near, around, or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

## CHOOSING RESILIENT SURFACING MATERIAL

Playground equipment must be installed on a soft, resilient, energy-absorbing ground surface.
NEVER INSTALL PLAY EQUIPMENT ON CONCRETE, ASPHALT, OR GRASS. A fall on a hard surface from even a low platform of 3' high can result in serious injury to the user. Refer to CPSC and ASTM F1292 for recommended surfacing depths and requirements.

Tip: If your surfacing material is of the loose variety, checking for proper depth over time can be made easy by applying a non-removable florescent tape or paint in a bright color at the proper level on each post. Thereafter, as the resilient surfacing material compacts or washes away, the person responsible for regular maintenance inspections can easily see it must be replenished as the marks become visible.

## AFTER THE EQUIPMENT IS IN USE

- Never add components not intended for use with this product.
- Never install other play equipment, fencing, landscaping, etc., which encroach upon the safety zones of this equipment.
- Check to make sure that there are no overhead obstructions within the use zone of the playground equipment that are not part of the play structures (example: tree limbs). Any overhead obstructions should be at least 84" above each platform or designated play surface or 84" above the pivot point of swings. All overhead utility line clearances above the use zone area should comply with all local, state and national codes.
- Regularly inspect and maintain your playground equipment and its surrounding area. Proper maintenance of Play & Park Structures equipment includes using the accompanying Playground Maintenance Checklist to identify areas requiring repairs or replacement, and barricading the equipment to prevent use while corrections are being made.
- If your playground equipment includes any wood components, bolts may need to be re-tightened after initial use due to wood shrinkage. Check and re-tighten all fasteners after the first few days of use, and again after the first 3 weeks of use. Thereafter, exercise normal maintenance procedures. Using a thread-locking compound on the threads of bolts can help prevent persistent loosening.
- 'S' hooks must be completely closed. Replace all worn 'S' hooks, and never re-use 'S' hooks.
- Pipes should never be allowed to turn. In the case of wood playground equipment, make sure all collars are snugly flush against the inside of posts with set screws tightened and wood screws flush against the outside of the collar, and all flat head bolts and set screws are tight. In the case of steel playground equipment, check set screws for tightness.

For specific information regarding playground safety and your responsibilities as the owner of this equipment, please contact the Consumer Product Safety Commission (CPSC), Washington, DC. for the latest guidelines for your play area and this equipment.

If any conditions or damages are discovered in violation of these Safety Guidelines or the accompanying Playground Maintenance Checklist, the play equipment should be barricaded immediately and children should not be allowed to use it until the conditions are corrected.

# Introduction to Installation Instructions

**Revised 03.29.16**

**IMPORTANT!** Please read the entire Installation Instructions packet before beginning the installation.

Play & Park Structures has designed the SuperMax, DuraMax, totmax, Skyline, Boulderscapes and Horizons Play Systems to take advantage of all Consumer Product Safety Commission (CPSC) Guidelines and ASTM standards in force at the time of purchase in an effort to help reduce the chance of playground accidents. However, because studies have shown most playground injuries result from accidental falls, you, as the new owner of this equipment, are responsible for providing and adequately maintaining ***resilient play surfacing*** under and around all playground equipment. Please refer to the accompanying Safety Guidelines as well as CPSC guidelines and this document for examples of such surfacing.

We would like to provide the following suggested guidelines for your play environment:

- Refer to the Footing Diagram and note the Minimum Area Required shown for this structure. This area must be filled with adequate resilient play surface material, and must be clear of all obstacles, including but not limited to trees, curbing, sidewalk, fence, other play equipment, rocks and landscaping, etc.

- Acceptable play surfaces include sand, wood mulch, fine gravel or ground belt-less tires, if installed at the appropriate depths per CPSC guidelines for play surfacing.

- When using sand, wood mulch, or ground belt-less tires, a minimum of 6" depth is recommended by the CPSC. Play & Park Structures recommends an additional 4", for a total of 10", to combat the fast compacting characteristics of these materials. Surfaces must be checked at least weekly for compacting, which reduces resiliency significantly.

- Paved surfaces such as asphalt, concrete, gravel or sod are not acceptable for use under playground equipment, or anywhere within the stated Minimum Area Required.

- Close supervision of children playing on or around the structure is strongly recommended, along with classroom and/or home instructions on acceptable behavior on the playground equipment. The full supervision of playgrounds is the responsibility of the owner once the play structure has been properly installed.

**TOOLS REQUIRED:**

Play & Park Structures supplies the special bits required to fasten the "tamper-resistant" bolts. You will need common tools such as wrenches, Allen key set, drill, string line, level, mallet, shovels, post hole digger, pry bar, washable felt tip marker and a tape measure.

## INSTALLATION GUIDELINES:

1. Compare all parts received to the packaging list. Notify Play & Park Structures immediately of any missing parts. We are not responsible for parts discovered missing over 10 days after receipt of the shipment.

2. Refer to your Footing Diagram to ensure this structure will fit into your actual site area. Note the Minimum Area Required measurements to determine clear space required. A minimum of 6' clearance is required between any obstacles and your structure. EXCEPT for slide exits, which require a distance X equal to the highest point of sliding surface with a minimum of 6' and a maximum of 8' from the edge of the slide (example: A slide from a 6' high deck requires 6' of clear space with resilient surfacing in front of its exit).

3. Site selection should include considerations of what is a safe and appropriate play area:
   a. A level and clear site is ideal, free of power lines or electrical equipment.
   b. Do not install play equipment near any bodies of water.
   c. If adjacent to a street with traffic, ensure adequate fencing acts as a barrier to children running into danger.

4. Site layout should include accurate measurement and marking of all footings prior to any installation. Use the dimensions shown between footings on the Footing Diagram to plot out the actual footprint of the play structure before doing any digging. Also, locate any free-standing play equipment in the same way, providing the necessary clearance between the equipment as well as any fences, trees, etc. Ensure at this time that you have enough total space for the equipment to be installed.

5. Excavate holes as shown in the Footing Diagram using a string line. An optional string line level is very helpful. If a level and clear site is not possible, adjust the depth of the footings to maintain a minimum depth of 18 in. for support posts at the lowest grade. NOTE: if soil conditions are very loose or otherwise unstable, a larger diameter footing may be required. Consult with local contractors for appropriate recommendations.

6. Begin your SuperMax, DuraMax, totMax , Skyline, Horizons, and BoulderScapes Play Systems installation by erecting the decks as shown within the following instructions.
   **IMPORTANT: Do not concrete product until installation is complete!**
   Once all decks are installed, components such as slides, climbers, etc., can be connected per their respective assembly instructions. Note that connecting components between decks such as Horizontal Ladders, Crawl Tunnels, Trapeze Beams, etc., should be installed concurrently with the decks to ensure they meet accurately.

7. CPSC guidelines mandate that there should be no gaps present in the playground equipment which fall between 3 ½" and 9". The positioning of certain components by the installer can affect this criteria, so you should always measure distances created when attaching components by the installer, which can cause entrapment of a child using the equipment. Also, ASTM requires that no more than 2 threads of bolt can protrude from the nut. Any excess threads should be filed down and made smooth to the touch.

8. When concrete is poured, be sure to keep the top 4" below the grade, and sloped away from the post to promote good water drainage. Wash off any concrete, which may have splashed onto the post before it dries. Allow all concrete to harden a minimum of 48 hours before using equipment.

## SAFETY DURING INSTALLATION:

1. Before doing any excavation, inquire about any existing underground utilities.

2. Do not leave the job site unattended without making sure that all fastening hardware on all equipment are tightened and all Drive Rivets are in place to prevent clamps from moving, in case of unauthorized use. **PLAY & PARK STRUCTURES CLAMPS ARE NOT DESIGNED TO SUPPORT HUMAN WEIGHT WITHOUT THE DRIVE RIVETS INSTALLED, AND SUCH USE COULD CAUSE INJURY TO THE USER AND/OR DAMAGE TO THE EQUIPMENT.** It is also strongly recommended that all installation areas be roped off with clearly marked warning signs posted. Any open footings should be covered with plywood or other suitable material. Even during installation, it has been found that children will use the unattended equipment, thereby risking accidents.

3. The installation area should remain roped off for at least 48 hours after the last concrete footer is poured. Children should not be allowed to use the equipment during this period so that concrete has a chance to fully set.

4. Do not attach swing chains, trapeze rings or similar moving components until after all construction is complete and resilient surfacing material has been installed. Remember that any equipment, which appears to be complete and functional will invite unauthorized use regardless of its actual state of readiness.

Finally, if you should have any questions regarding the proper installation of this equipment, please contact Play & Park Structures at:

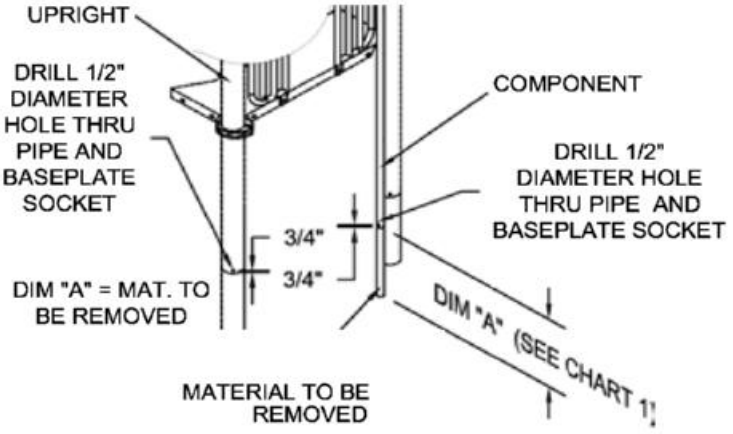
544 Chestnut Street, Chattanooga, TN 37402
TOLL Free: 800.727.1907 FAX: 423.425.3172
EMAIL: customerservice@playandpark.com
Visit our website: www.playandpark.com

play&park structures

# 60855 SURFACE MOUNT INSTALLATION INSTRUCTIONS FOR PARK STRUCTURES

**ISSUED/REVISED: 08/07/14**

NOTE: 2", 8", 10" LENGTH INDICATES THE SURFACING DEPTH. ALL COMPONENTS ARE SHIPPED AS STANDARD 30" INGROUND LENGTH. (20" DEEP HOLES & 10" SURFACING)




***IMPORTANT***: CHECK ALL GROUND MEMBER LOCATIONS TO COMPENSATE FOR SLOPE ***BEFORE*** CUTTING!

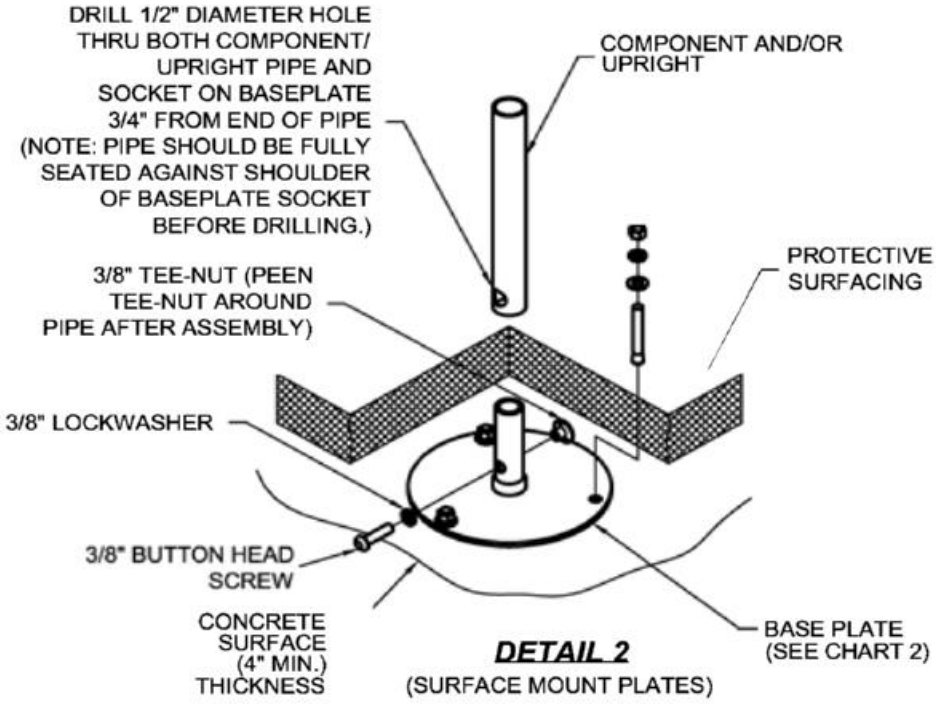
***CHART 1***

| SURFACING DEPTH | MATERIAL TO BE REMOVED | |
|---|---|---|
| | W/OUT EXT. | W/6" EXT. |
| 2" | 28 11/16" | 22 11/16" |
| 8" | 22 11/16" | 16 11/16" |
| 10" | 20 11/16" | 14 11/16" |

NOTES:
1. DIM "A" = MATERIAL TO BE REMOVED.
2. SOME INGROUND COMPONENTS REQUIRE EXTENSIONS. REVIEW YOUR STANDARD INSTALLATION SHEET IF EXTENSIONS ARE REQUIRED. ADJUST MATERIAL TO BE REMOVED ACCORDINGLY.
i.e. A COMPONENT REQUIRING 6" EXTENSIONS, AND IF SURFACING DEPTH IS TO BE 2", MATERIAL TO BE REMOVED WILL BE 22 11/16"

***DETAIL 1***

(FOR SURFACE MOUNT INSTALLATIONS)

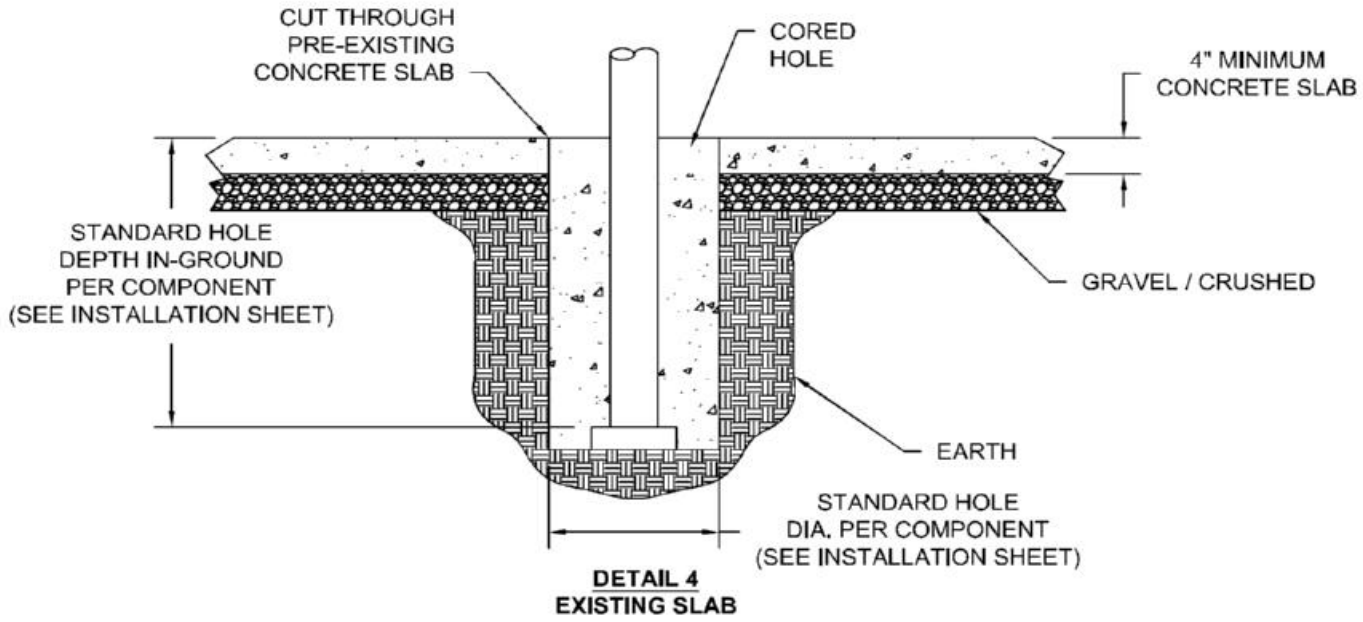



***DETAIL 2***

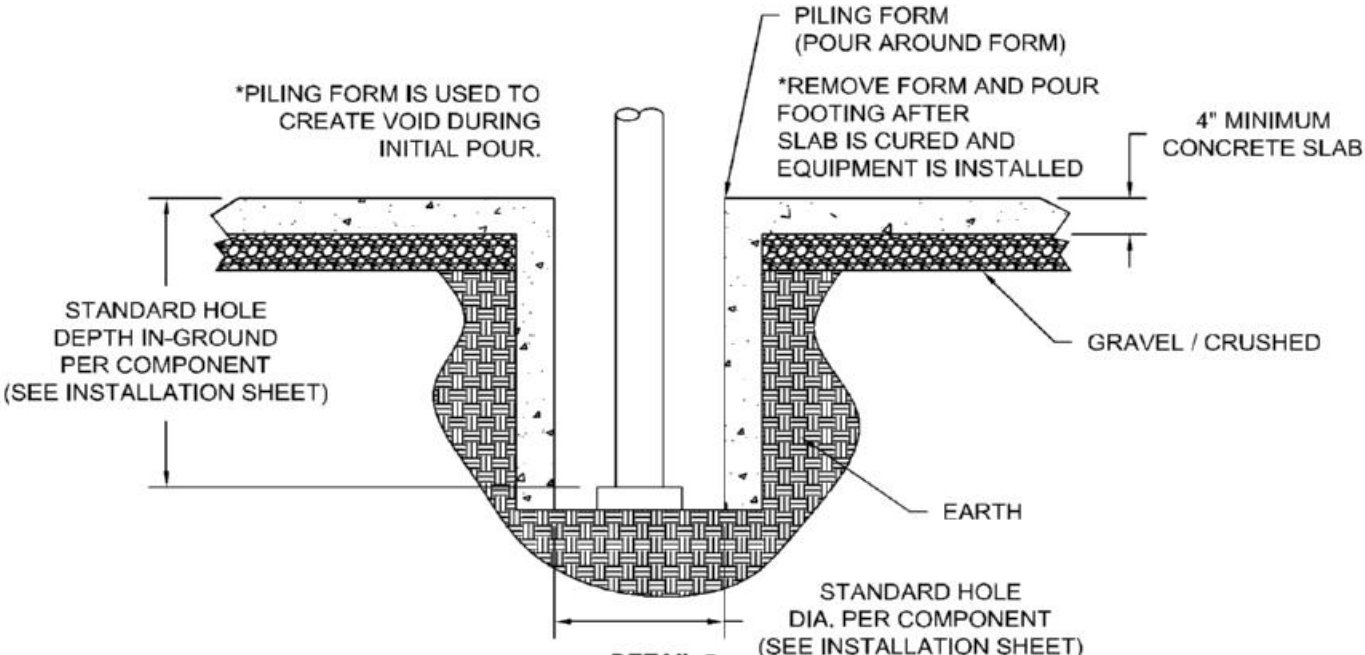
(SURFACE MOUNT PLATES)

***CHART 2***

| NUMBER | O.D. | BASE PLATE |
|---|---|---|
| 404765 | 1.029" | 404764 |
| 60855 | 1 5/16" | 152850 |
| 60856 | 1 5/8" | 152851 |
| 60857 | 1 7/8" | 152852 |
| 60858 | 2 3/8" | 152853 |
| 60859 | 2 7/8" | 152854 |
| 60860 | 3 1/2" | 152856 |
| 60861 | 5" | 152855 |




**DETAIL 4**
**EXISTING SLAB**




**DETAIL 5**
**NEW SLAB**

## *SURFACE MOUNT INSTALLATION INSTRUCTIONS*

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Concrete requirements for Suface Mount shall be 4" minimum thickness w/ 3000 psi.
3. For Surface Mount, remove required length of component and/or upright as indicated in **DETAIL 1**. See ***CHART 1*** for the material length to be removed. (Required for 2", 8" or 10" surface mount only.) ***Note:*** Debur and remove any sharp edges on part after cut is made.
4. Drill 1/2" diameter hole thru component/uprights and baseplate socket 3/4" from end of pipe. The pipe should be fully seated against neck of socket before drilling holes.
5. Attach Component to base plate as shown in **DETAIL 2.** See ***CHART 2*** for the specific base plate required for the diameter pipe being used. (Required for 2", 8" or 12" Surface mount only.)

***IMPORTANT:*** Some components such as slides, chinning bars, nets, climbers, etc. may require "cored" holes to help eliminate movement when installed. Refer to Ground Plan configuration to determine if "cored" holes are required.

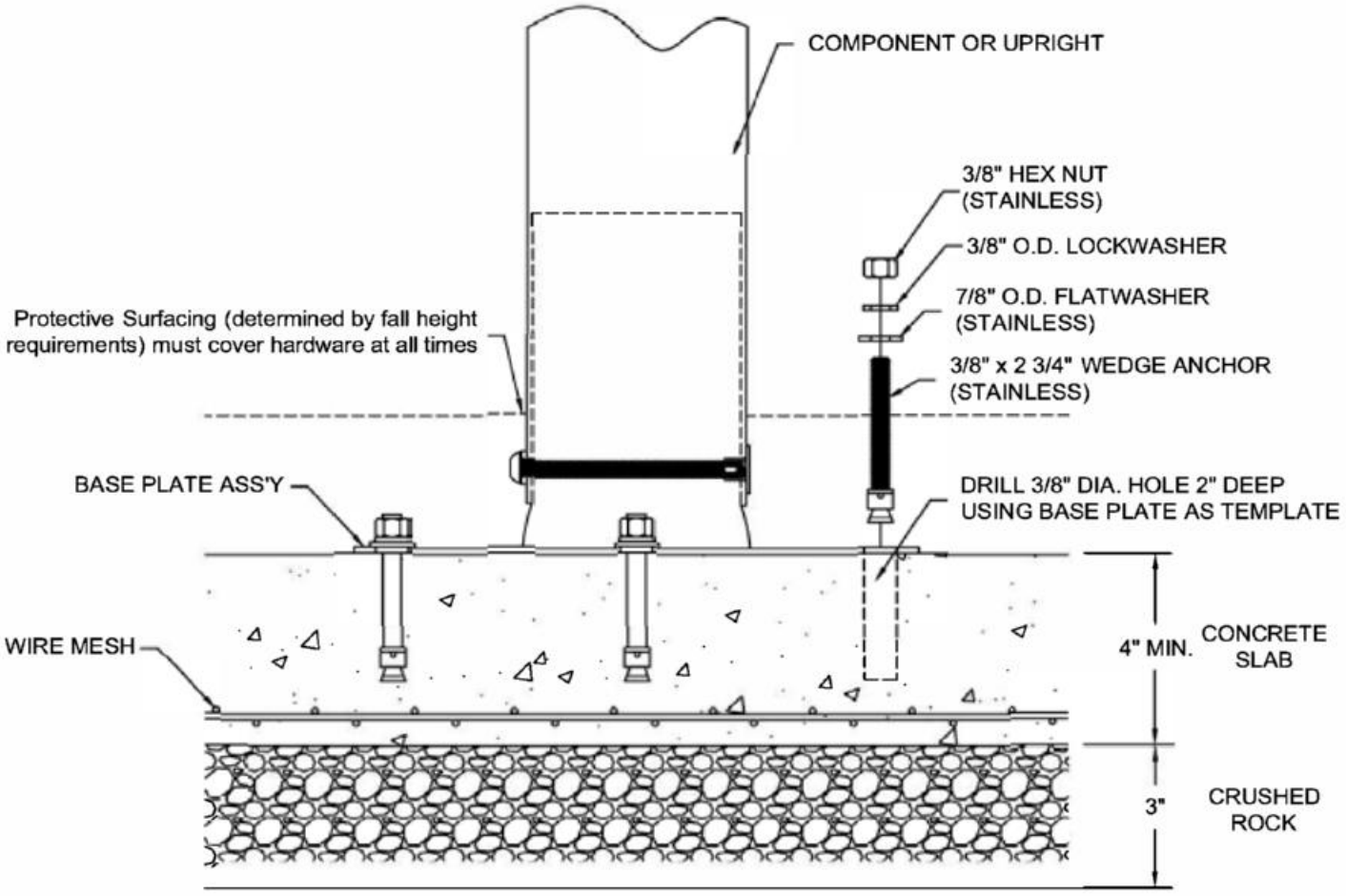
***NOTE:*** If concrete slab is pre-existing and a cored hole is required it must be drilled through exisitng concrete to allow for concrete footing. Review your standard installation sheet for correct size and location of cored hole. See Detail 3.

***NOTE:*** Cored holes can be created prior to concrete pour by using piling forms to create a void when pouring. See Detail 4.

***NOTE:*** If a base plate interferes with an insert required for a below deck component that base plate will require a notch to be applied in the field.

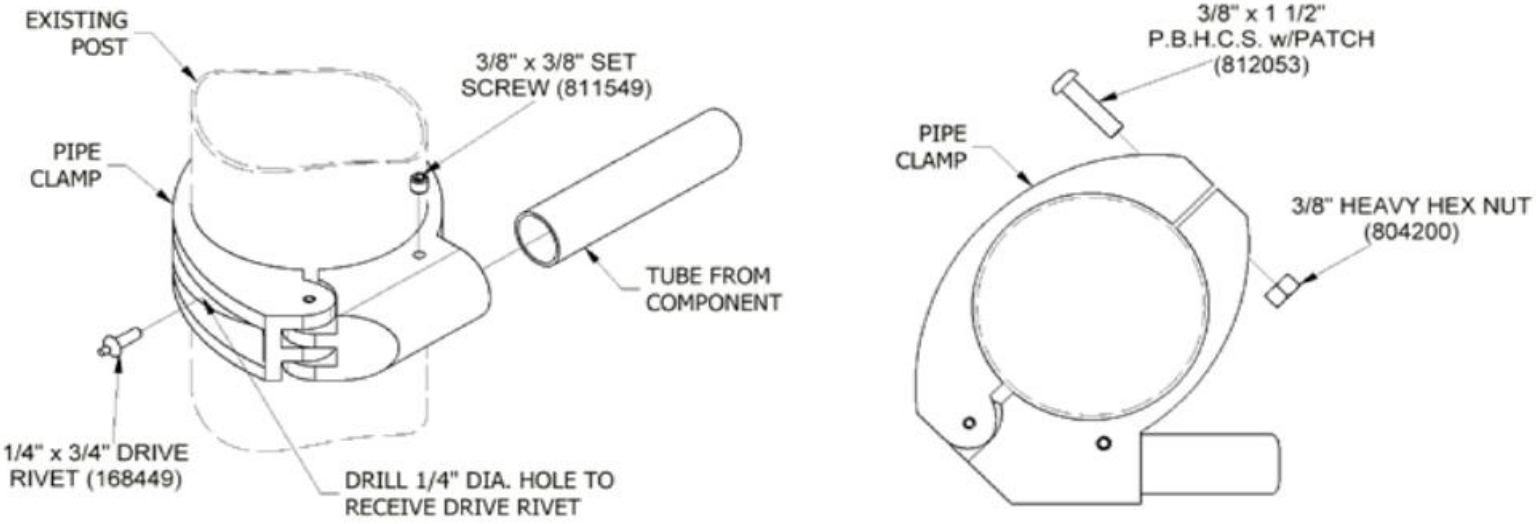
## *CONCRETE SPECIFICATIONS*

1. Depth of concrete must be 4" minimum with wire mesh reinforcement.
2. Base shall be 3" crushed rock over compacted subgrade.
3. Minimum 7 days cure-full cure after 28 days.
4. Concrete rating shall be 3,000 PSI (minimum), 28 days 3,500 PSI.



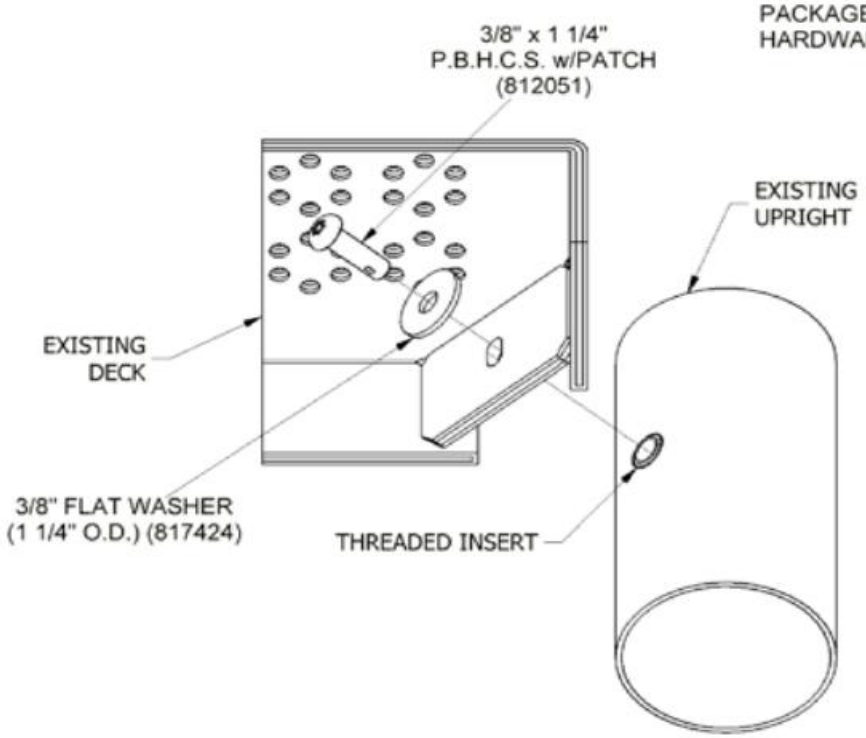

**DETAIL 3**
**SIDE VIEW OF SURFACE MOUNT**

# Clamp Assembly Details




**TYPICAL DURAMAX PIPE CLAMP ASSEMBLY**

NOTE: CLAMPS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES.

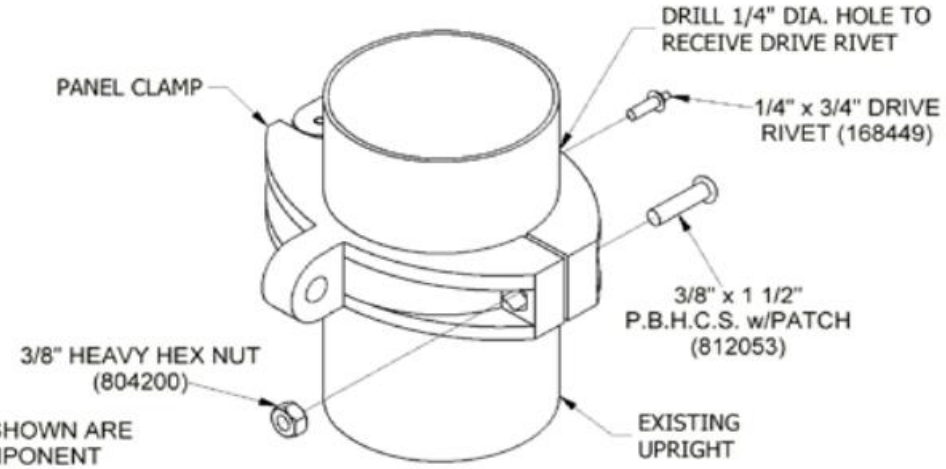



**TYPICAL DURAMAX DECK CONNECTION**

Issued/Revised: 4/4/2016

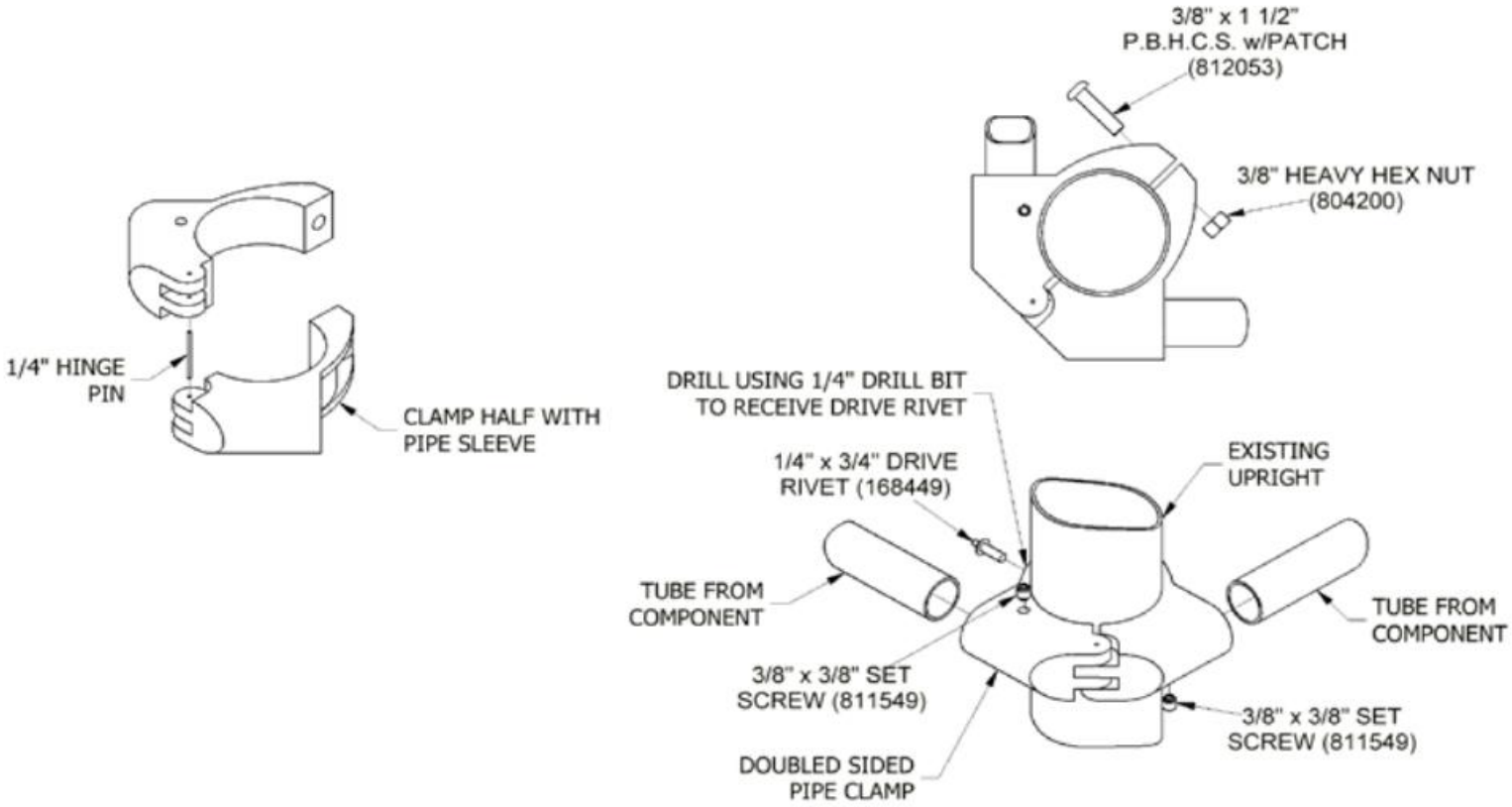
SHEET 1 OF 2

# Clamp Assembly Details




NOTE: CLAMPS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES.

## TYPICAL DURAMAX PANEL CLAMP ASSEMBLY




DURAMAX APPLICATION: To attach two components at 90 degrees to each other on the same square deck. Use when clamp conflicts do not allow you to use seperate clamps for each component.

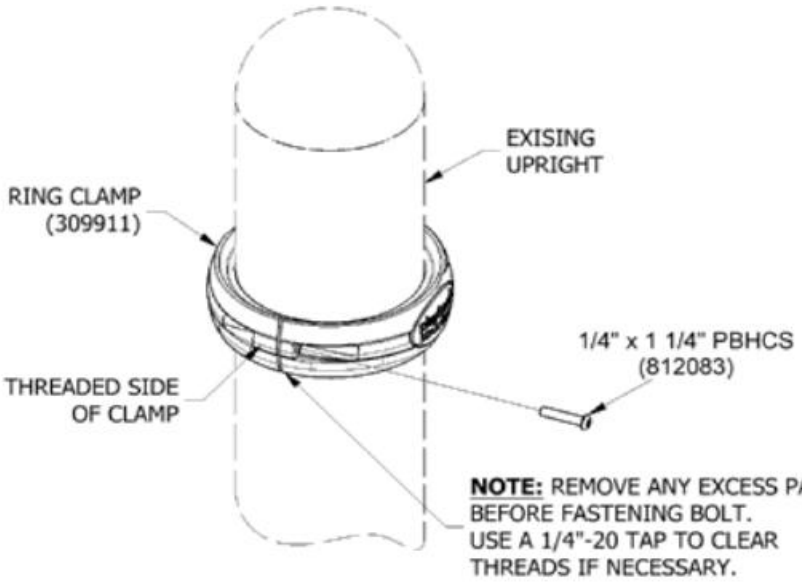
ASSEMBLY INSTRUCTIONS: Use two regular Pipe Clamps and remove hinge pins. Select clamps with pipe sleeves to create the Double Sided Pipe Clamp. Insert hinge pin back into clamps as shown above.

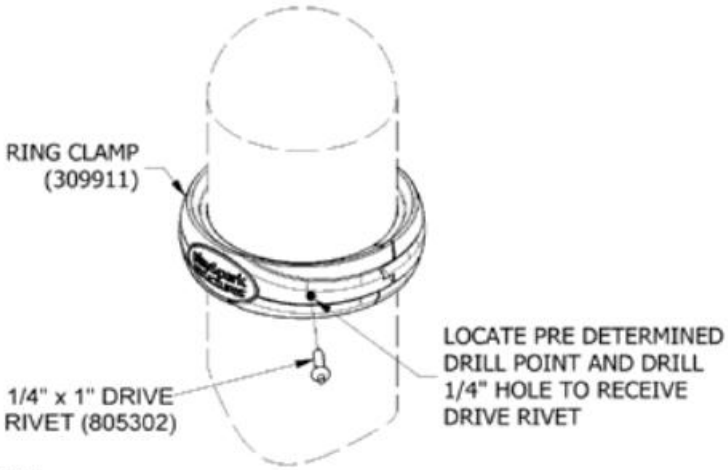
## TYPICAL DURAMAX DOUBLE SIDED PIPE CLAMP ASSEMBLY

Issued/Revised: 4/4/2016

SHEET 2 OF 2

# Clamp Assembly Details



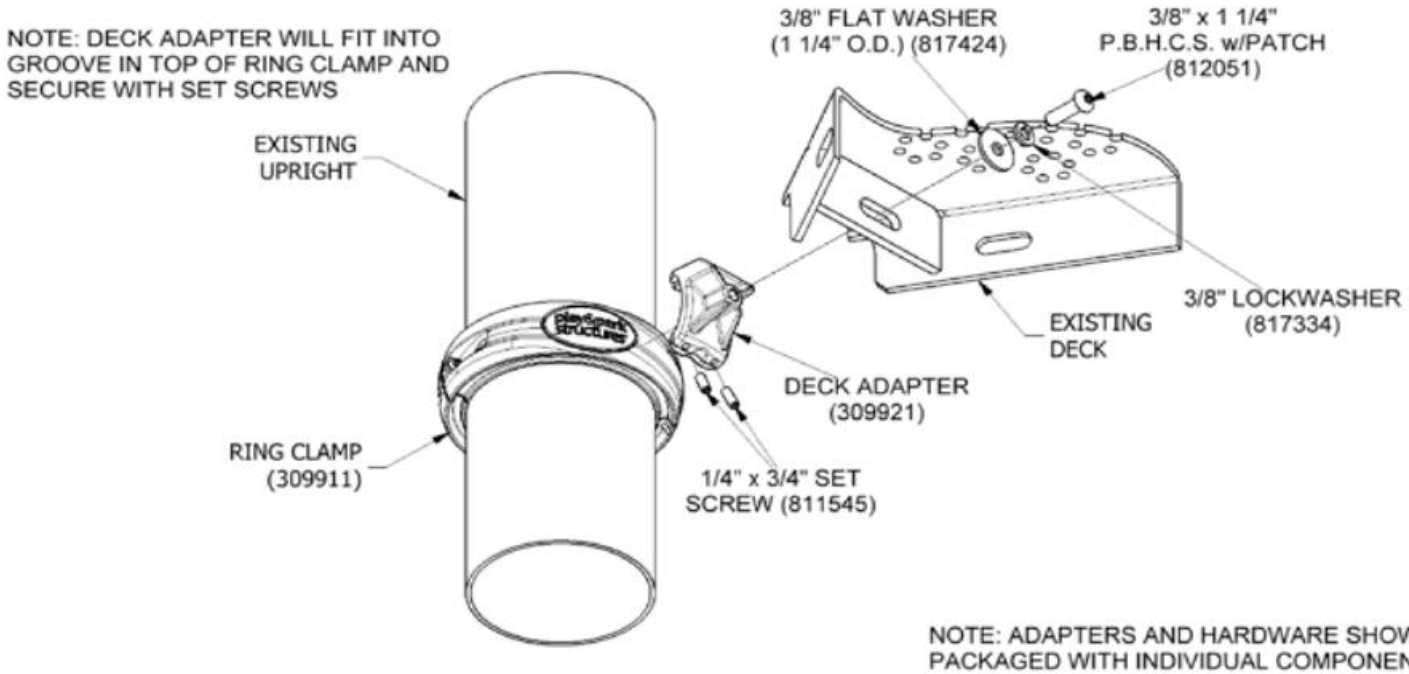

NOTE: THE USE OF LOCTITE IS IMPORTANT.

**IMPORTANT:** ORIENTATION OF BOLT IS CRITICAL.

NOTE: THE RING CLAMP WILL HAVE A SMALL GAP AT THE CONNECTION POINT AFTER ATTACHED. THE GAP IS DESIGNED FOR DRAINAGE AND TO ENSURE A PROPER FIT.

NOTE: MAKE SURE THE PLAY & PARK STRUCTURES LOGO IS ORIENTED CORRECTLY AND VISIBLE FROM GROUND LEVEL.

## TYPICAL SUPERMAX RING CLAMP ASSEMBLY



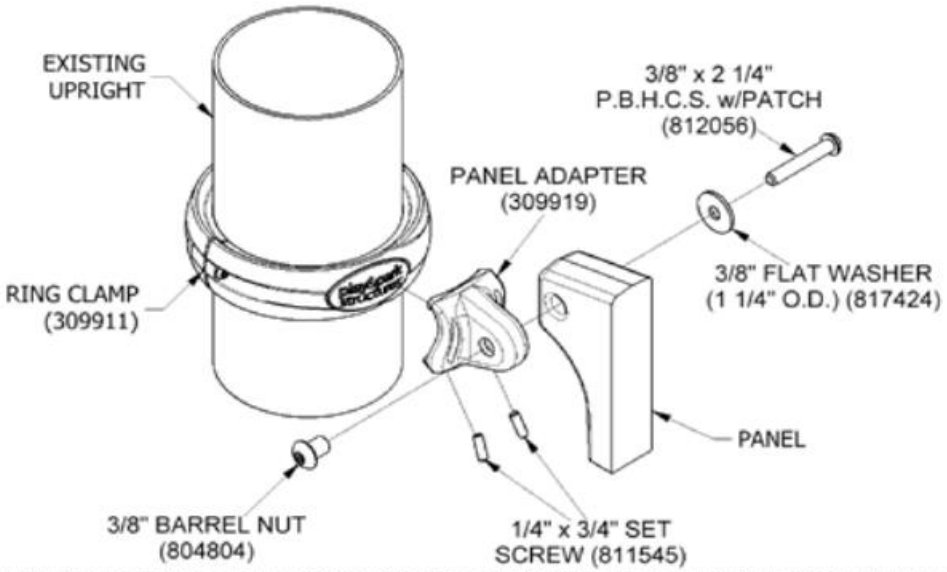

NOTE: ADAPTERS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES

Issued/Revised: 4/11/2016

## TYPICAL SUPERMAX DECK CONNECTION

SHEET 1 OF 2

# Clamp Assembly Details

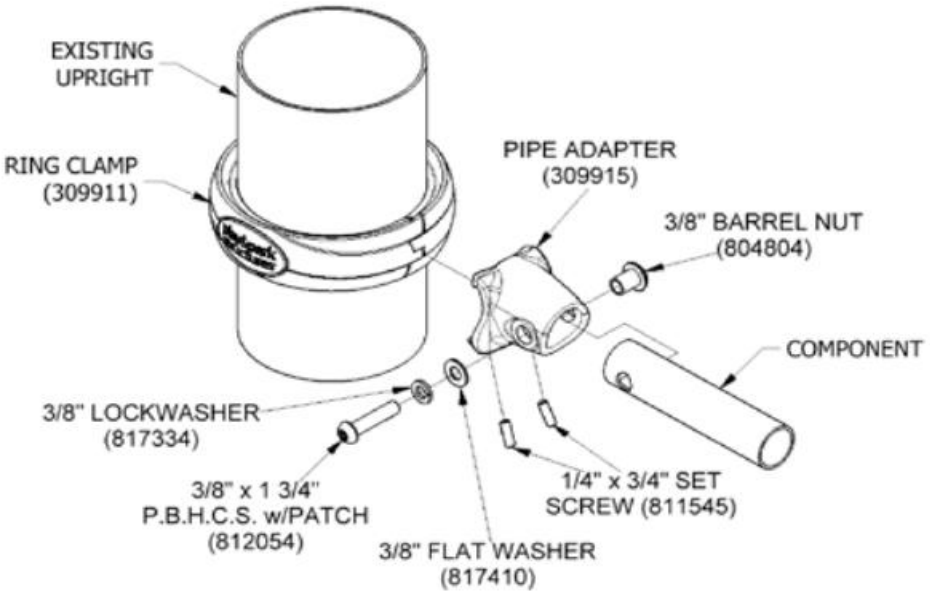



NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.

## TYPICAL SUPERMAX PANEL ADAPTER ASSEMBLY

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.




## TYPICAL SUPERMAX PIPE ADAPTER ASSEMBLY

Issued/Revised: 4/11/2016

SHEET 2 OF 2

# DETAILED MAINTENANCE RECORD

play&park structures
A PLAYCORE Company

Play Area Site Name _____

Play Area Location or Description _____

Date _____ Inspector _____

| Item Number | OK | Problem | Solution | Date Repaired | Initials |
|---|---|---|---|---|---|
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# PLAYGROUND MAINTENANCE CHECKLIST

play&park structures
A PLAYCORE Company

Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. Play & Park Structures recommends the following maintenance procedures be followed:

**On a daily basis:** A responsible individual should conduct a brief visual check for structural defects, signs of vandalism and litter of foreign matter that needs to be removed.

**On a weekly basis:** A responsible individual should complete this checklist. Any required repairs should be detailed on the separate **Detailed Maintenance Record**, and once they are completed, both should be filed for future reference. A separate file and form should be kept for each play structure at each location.

**IMPORTANT:** Always refer to - and comply with - the separate *Safety Guidelines* and ASTM and CPSC Guidelines. The play structure(s) should be barricaded so that it cannot be used while repairs are being completed.

| | **Item to be Checked** (use the following page to record a brief description of the necessary repairs) | **OK** | **Repairs Required** | **Date Repaired** |
|---|---|---|---|---|
| **A.** | **Play Structures in General** | | | |
| | Post and component footings are not exposed, cracked or loose | | | |
| | 1. Clamps show no signs of slippage, cracking, or failure | | | |
| | 2. Clamp drive rivets and hardware are secure | | | |
| | 3. Welds are intact and free of cracks | | | |
| | a. Slide and Deck Enclosures | | | |
| | b. Overhead Activities | | | |
| | c. Climbers | | | |
| | 4. No rust or corrosion | | | |
| | 5. No splintered, cracked, gouged or otherwise deteriorated plastics; check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create an entrapment as specified on ASTM-F-1487 section 6. | | | |
| | 6. No scratched, chipped, or peeling paint | | | |
| | 7. Metal parts show no visible cracks, bending, warping or breakage | | | |
| | 8. No missing bolts, nuts, etc. | | | |
| | 9. All bolts, nuts, and fasteners are tight | | | |
| | 10. All joints are secure (pay special attention to sectional slides, flush mounted decks, and pipe connections) | | | |
| | 11. All swivels, bearings, grease fittings, and moving parts are well lubricated and not excessively worn (pay special attention to tire swings, tot swings, strap swings, track rides, and trapeze rings) | | | |
| | 12. No broken or missing parts | | | |
| | 13. No sharp edges or unsafe protrusions (check metal corners, bolts, etc.) | | | |
| | 14. No exposed mechanisms, junctions of moving parts or components that will pose possible pinch or crush points | | | |
| **B.** | **Play Events** | | | |
| | 1. Plastic is not cut or cracked | | | |
| | 2. All slide supports/anchors are intact and secure | | | |
| | 3. All 'S' hooks are closed and not excessively worn | | | |
| | 4. Clatter bridge chain and connections are not excessively worn, especially at connection points | | | |
| | 5. Connectors and Chain have free movement | | | |
| **C.** | **Surrounding Area** | | | |
| | 1. Resilient surfacing material is not scattered or excessively worn | | | |
| | 2. Resilient surfacing material is adequately deep and retains its fall absorbing abilities as specified at the time of installation | | | |
| | 3. Border around playground is in good condition and has not come loose | | | |
| | 4. No roots, rocks, or other objects that may cause a tripping or injury hazard | | | |
| | 5. Area is clean of litter (no broken glass or bottles, etc .) | | | |

This equipment is designed for children 2-5 or 5-12 years old

# 7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY

| PARTS LIST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 7200 | 7201 | 7202 | 7205 | 7206 | 7207 | 7208 | PART NUMBER |
| ANSWER WHEEL ASS'Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 316045 |
| MAZE ASS'Y | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 316049 |
| ECHO CHAMBER ASS'Y | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 316047 |
| STAINED GLASS-YELLOW | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 316051 |
| HYPNO WHEEL ASS'Y | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 316048 |
| STAINED GLASS-GREEN | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 316050 |
| BUBBLE MIRROR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 316046 |
| TRIANGLE HOUSING | 2 | 2 | 2 | 2 | 2 | 2 | 2 | ** |
| SCREW CAP | 6 | 6 | 6 | 6 | 6 | 6 | 6 | ** |
| SCREW, FLAT WASHER, RETAINER | 3 | 3 | 3 | 3 | 3 | 3 | 3 | ** |

*Unless Otherwise Specified, All Units of Measure are Each*
***Included in 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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

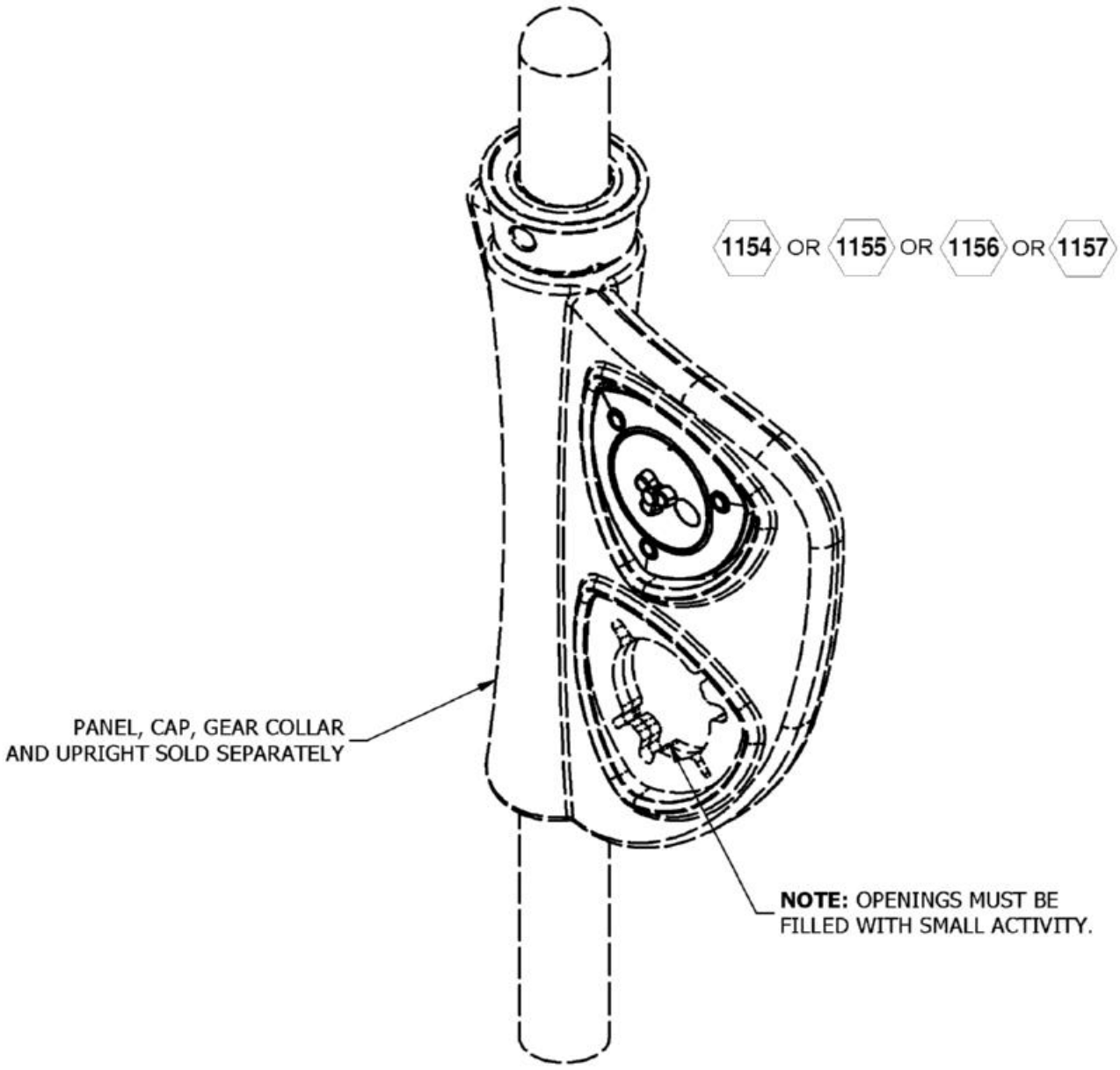
IMPORTANT- ALL OPENINGS MUST BE FILLED WITH A SMALL ACTIVITY.

1. Locate Panel to receive small activity.
2. Place Triangle Housing into small opening in panel. Housing is keyed so that bosses and fins fit into opening. Rotate Housing if needed until it fits into the opening.
3. Take the remaining Housing and place activity so that notches in activity align with ribs on Housing. Refer to Details 1154, 1155, 1156, and 1157 for specific activity. **NOTE:** Remove any protective film that may be on Activity Panel before assembly.
4. Align Housing with openings in Panel and attach the two housings together. Cover with Screw Cap as shown in Details Details 1154, 1155, 1156, and 1157.

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

# 7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY

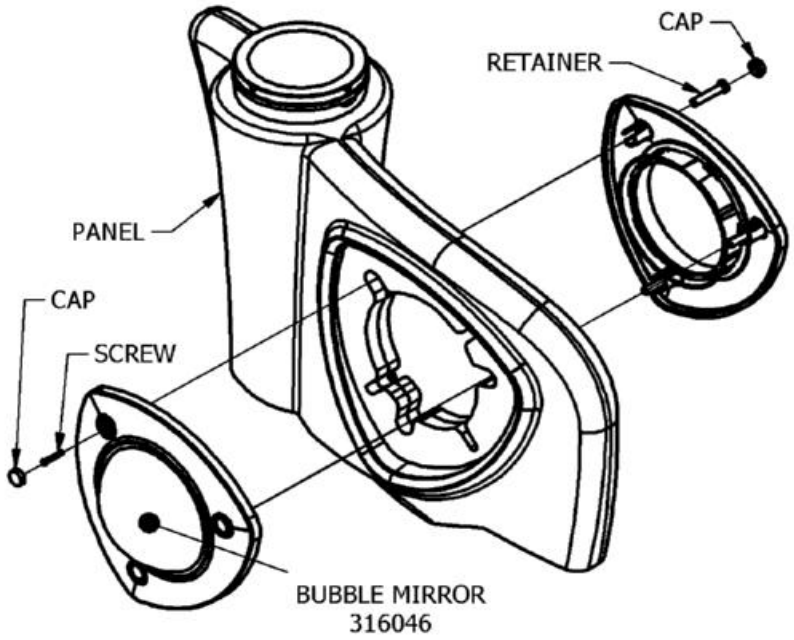



***FINISHED ASSEMBLY***
7200 VERSION SHOWN

⬡ = INSTALLATION DETAIL

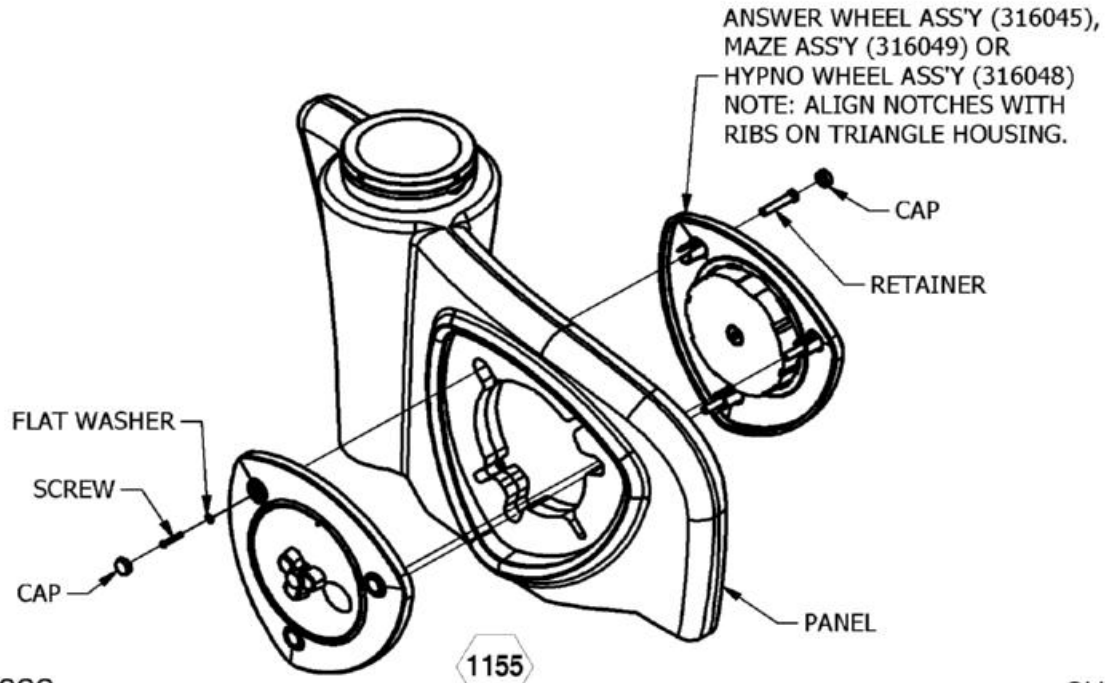
Issued/Revised: 6/21/2022

# 7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY



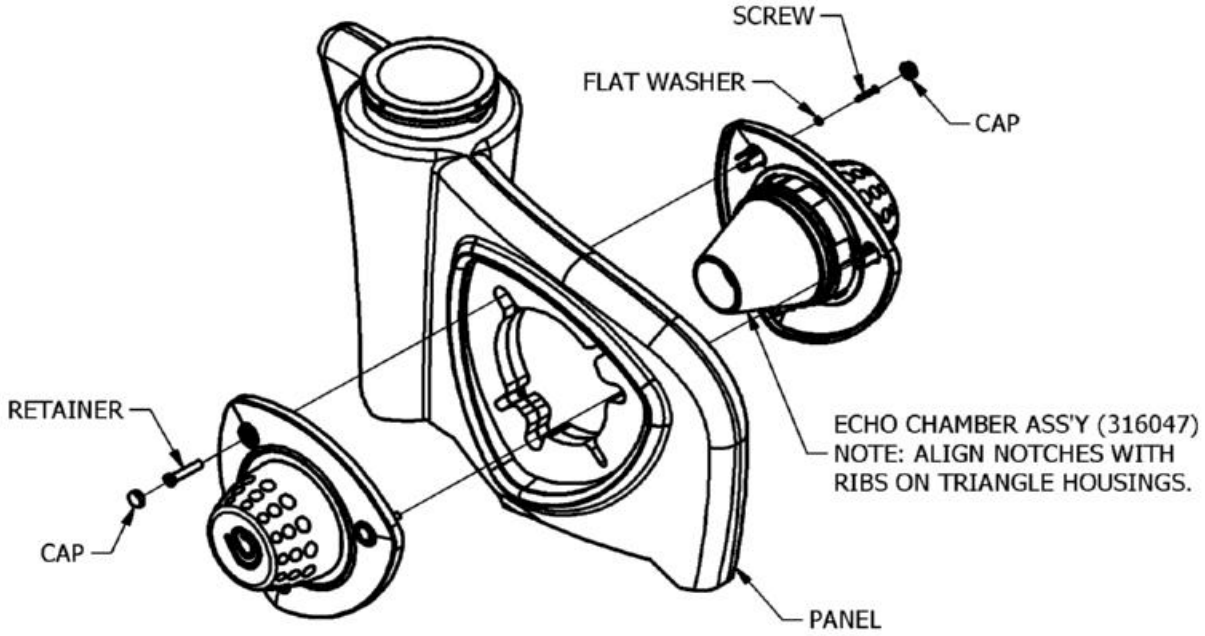

1154

NOTE: IF PRESENT, REMOVE ANY PROTECTIVE FILM THAT MAY BE ON THE ACTIVITY BEFORE ASSEMBLING.



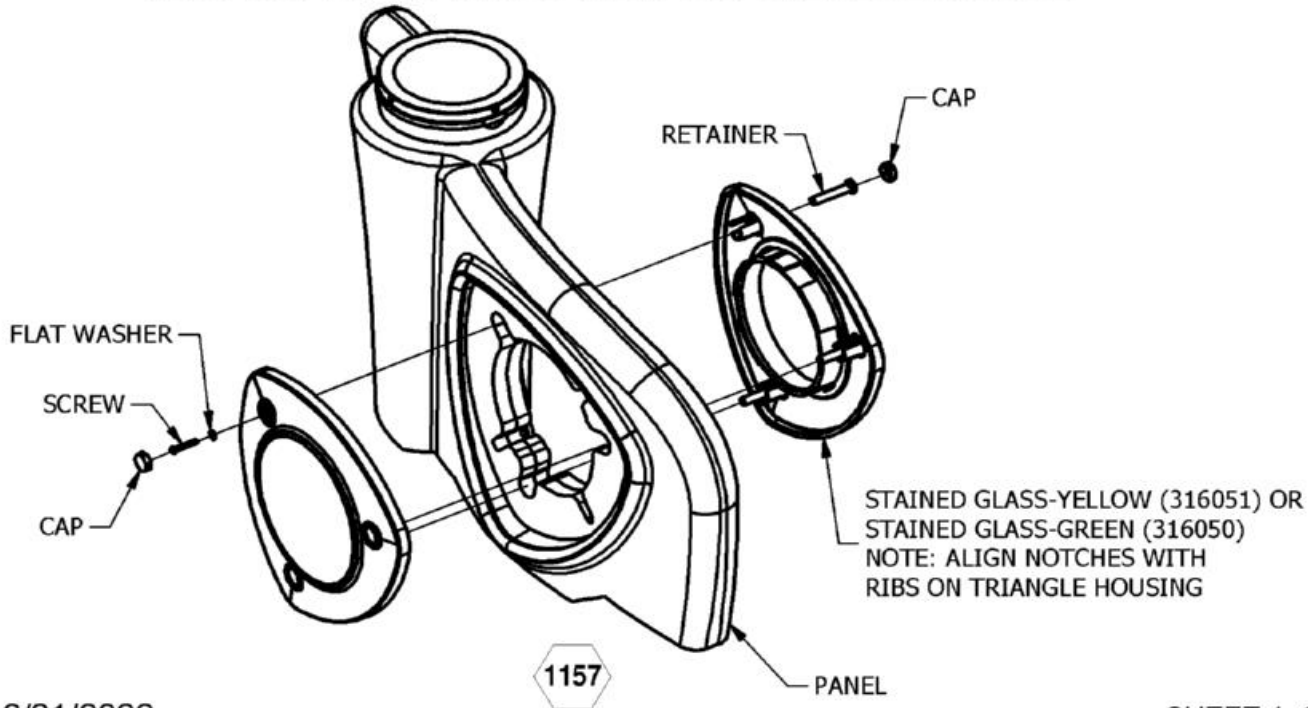

1155

# 7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY




1156

NOTE: IF PRESENT, REMOVE ANY PROTECTIVE FILM THAT MAY BE ON THE ACTIVITY BEFORE ASSEMBLING.




1157

SuperMax Play Systems

# 60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

*(ADD G PREFIX FOT GALV. POST)*

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60040 | G60040 | 60041 | G60041 | 60042 | G60042 | 60089 | G60089 | 60246 | PART NUMBER |
| 5" O.D. POST (ALUMINUM) 11' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 302277 |
| 5" O.D. POST (GALVANIZED) 11' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | G02277 |
| 5" O.D. POST (ALUMINUM) 13' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 302278 |
| 5" O.D. POST (GALVANIZED) 13' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | G02278 |
| 5" O.D. POST (ALUMINUM) 14' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 302279 |
| 5" O.D. POST (GALVANIZED) 14' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | G02279 |
| 5" O.D. POST (ALUMINUM) 12' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 301921 |
| 5" O.D. POST (GALVANIZED) 12' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | G01921 |
| 5" O.D. POST (ALUMINUM) 10' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 301923 |

| Parts List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | G60246 | 60944 | G60944 | 60945 | G60945 | 61540 | G61540 | 61541 | G61541 | PART NUMBER |
| 5" O.D. POST (GALVANIZED) 10' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301922 |
| 5" O.D. POST (ALUMINUM) 15' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 305797 |
| 5" O.D. POST (GALVANIZED) 15' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G05797 |
| 5" O.D. POST (ALUMINUM) 9' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 305799 |
| 5" O.D. POST (GALVANIZED) 9' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G05799 |
| 5" O.D. POST (ALUMINUM) 4' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 305616 |
| 5" O.D. POST (GALVANIZED) 4' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G05616 |
| 5" O.D. POST (ALUMINUM) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 305617 |
| 5" O.D. POST (GALVANIZED) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G05617 |

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

**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

*(ADD G PREFIX FOT GALV. POST)*

## INSTALLATION INSTRUCTIONS:

1. Component numbers are for one (1) Upright Post only. Please refer to your Plan Drawing and Footing Diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure up from the lower end of each Upright Post and mark using a felt-tip marker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof naker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be instaling. Using your footing diagram and elevation view as a reference, move and dig holes accordingly.

3. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

4. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete has a downward slope of 45° at the top away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like nuts, bolts, etc.

## 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. Also 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.

SuperMax Play Systems

# 60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

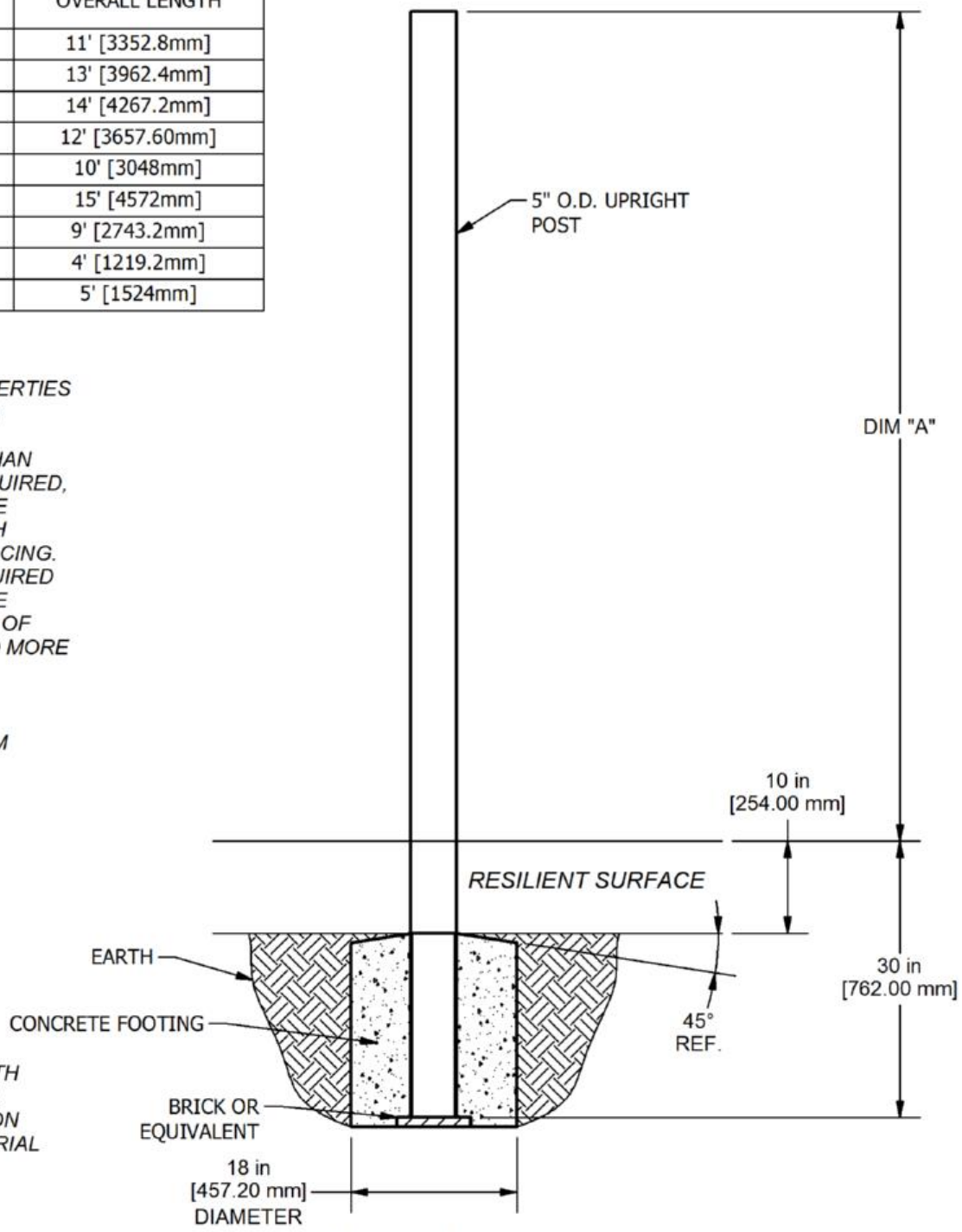
*(ADD G PREFIX FOT GALV. POST)*

| NO. | DIM "A" | OVERALL LENGTH |
|---|---|---|
| 60040 | 8'-6" [2590.8mm] | 11' [3352.8mm] |
| 60041 | 10'-6" [3200.4mm] | 13' [3962.4mm] |
| 60042 | 11'-6" [3505.2mm] | 14' [4267.2mm] |
| 60089 | 9'-6" [2895.6mm] | 12' [3657.60mm] |
| 60246 | 7'-6" [2286mm] | 10' [3048mm] |
| 60944 | 12'-6" [3810mm] | 15' [4572mm] |
| 60945 | 6'-6" [1981.2mm] | 9' [2743.2mm] |
| 61540 | 1'-6" [457.2mm] | 4' [1219.2mm] |
| 61541 | 2'-6" [762mm] | 5' [1524mm] |

*SHOCK ABSORBING PROPERTIES OF RESILIENT SURFACING MATERIALS VARY. IF YOU DETREMINE THAT LESS THAN 10" OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING. IF MORE THAN 10" IS REQUIRED MAKE UP THE DIFFERENCE BY REDUCING THE DEPTH OF THE GROUND HOLE BY NO MORE THAN 2".*

*NOTE:*
*-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI*

*NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF RESILIENT SURFACE MATERIAL AND CONCRETE*




***ELEVATION VIEW***

Issued/Revised: 7/11/2019

SuperMax Play Systems

# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(ADD G PREFIX FOR GALV. POST)*

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60059 | G60059 | 60060 | G60060 | 60088 | G60088 | 60102 | G60102 | PART NUMBER |
| 5" O.D. POST WITH CAP (ALUMINUM) 10' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300130 |
| 5" O.D. POST WITH CAP (GALVANIZED) 10' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G00130 |
| 5" O.D. POST WITH CAP (ALUMINUM) 12' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 300059 |
| 5" O.D. POST WITH CAP (GALVANIZED) 12' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G00059 |
| 5" O.D. POST WITH CAP (ALUMINUM) 14' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 300060 |
| 5" O.D. POST WITH CAP (GALVANIZED) 14' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G00060 |
| 5" O.D. POST WITH CAP (ALUMINUM) 6' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 300057 |
| 5" O.D. POST WITH CAP (GALVANIZED) 6' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G00057 |

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60178 | G60178 | 60946 | G60946 | 60947 | G60947 | 60948 | G60948 | PART NUMBER |
| 5" O.D. POST WITH CAP (ALUMINUM) 8' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300521 |
| 5" O.D. POST WITH CAP (GALVANIZED) 8' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G00521 |
| 5" O.D. POST WITH CAP (ALUMINUM) 15' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 305801 |
| 5" O.D. POST WITH CAP (GALVANIZED) 15' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G05801 |
| 5" O.D. POST WITH CAP (ALUMINUM) 13' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 305803 |
| 5" O.D. POST WITH CAP (GALVANIZED) 13' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G05803 |
| 5" O.D. POST WITH CAP (ALUMINUM) 11' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 305805 |
| 5" O.D. POST WITH CAP (GALVANIZED) 11' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G05805 |

| Parts List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 60949 | G60949 | 60956 | G60956 | 61538 | G61538 | 61539 | G61539 | PART NUMBER |
| 5" O.D. POST WITH CAP (ALUMINUM) 7' | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 305807 |
| 5" O.D. POST WITH CAP (GALVANIZED) 7' | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | G05807 |
| 5" O.D. POST WITH CAP (ALUMINUM) 9' | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 305810 |
| 5" O.D. POST WITH CAP (GALVANIZED) 9' | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | G05810 |
| 5" O.D. POST WITH CAP (ALUMINUM) 4' | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 304957 |
| 5" O.D. POST WITH CAP (GALVANIZED) 4' | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | G04957 |
| 5" O.D. POST WITH CAP (ALUMINUM) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 305615 |
| 5" O.D. POST WITH CAP (GALVANIZED) 5' | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | G05615 |

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

**Items listed below Hardware Complete line are included with Hardware Complete Number*

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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.***

# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(ADD G PREFIX FOR GALV. POST)*

## INSTALLATION INSTRUCTIONS:

1. Component numbers are for one (1) Upright Post only. Please refer to your Plan Drawing and Footing Diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure up from the lower end of each Upright Post and mark using a felt-tip marker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof naker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be instaling. Using your footing diagram and elevation view as a reference, move and dig holes accordingly.

3. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

4. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete has a downward slope of 45° at the top away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like nuts, bolts, etc.

## 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. Also 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.

SuperMax Play Systems

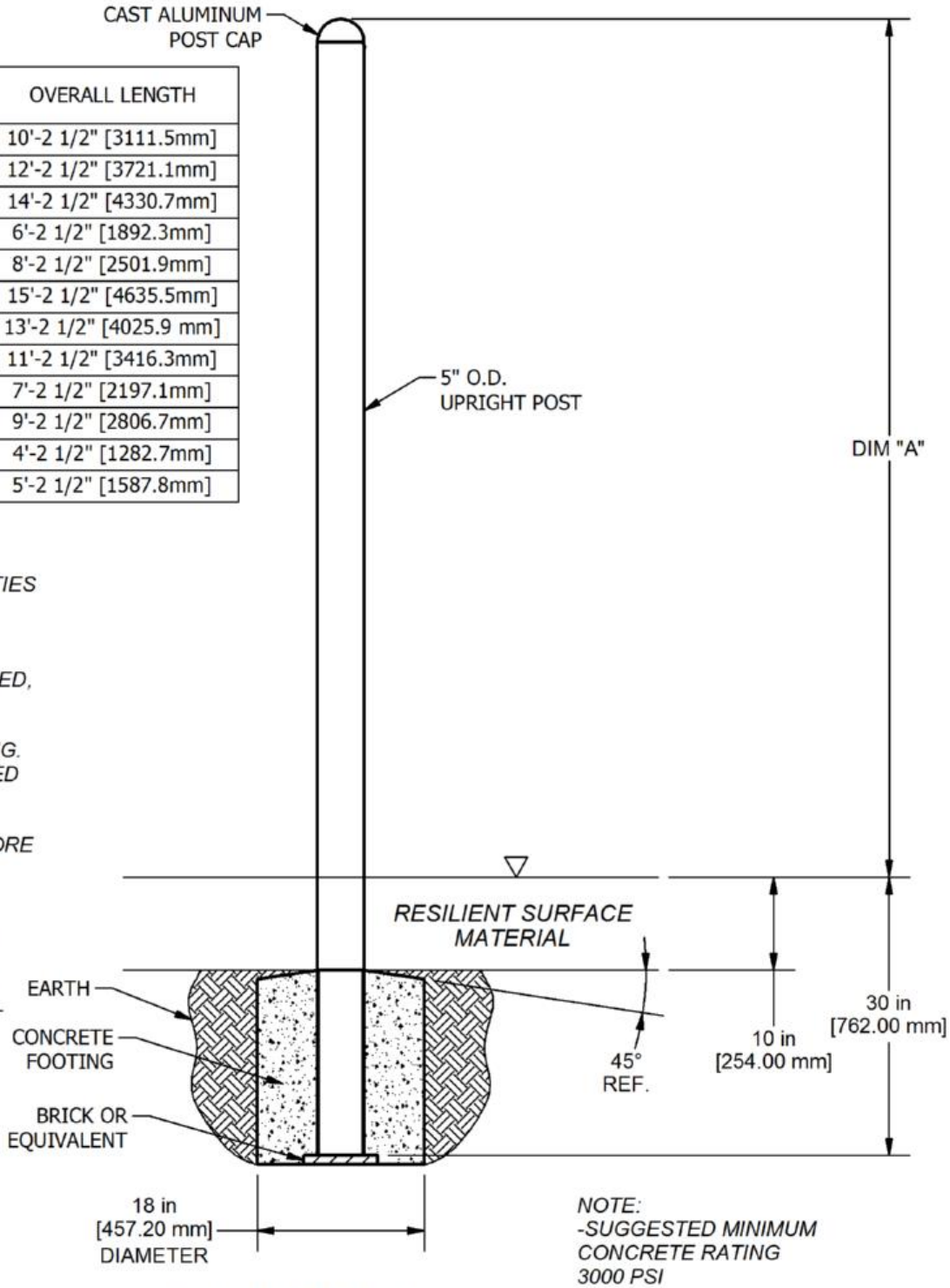
# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(ADD G PREFIX FOR GALV. POST)*

| NO. | DIM "A" | OVERALL LENGTH |
|---|---|---|
| 60059 | 7'-8 1/2" [2349.5mm] | 10'-2 1/2" [3111.5mm] |
| 60060 | 9'-8 1/2" [2959.1mm] | 12'-2 1/2" [3721.1mm] |
| 60088 | 11'-8 1/2" [3568.7mm] | 14'-2 1/2" [4330.7mm] |
| 60102 | 3'-8 1/2" [1130.3mm] | 6'-2 1/2" [1892.3mm] |
| 60178 | 5'-8 1/2" [1739.9mm] | 8'-2 1/2" [2501.9mm] |
| 60946 | 12'-8 1/2" [3873.5 mm] | 15'-2 1/2" [4635.5mm] |
| 60947 | 10'-8 1/2" [3263.9mm] | 13'-2 1/2" [4025.9 mm] |
| 60948 | 8'-8 1/2" [2654.3mm] | 11'-2 1/2" [3416.3mm] |
| 60949 | 4'-8 1/2" [1435.1mm] | 7'-2 1/2" [2197.1mm] |
| 60956 | 6'-8 1/2" [2044.7mm] | 9'-2 1/2" [2806.7mm] |
| 61538 | 1'-8 1/2" [520.7mm] | 4'-2 1/2" [1282.7mm] |
| 61539 | 2'-8 1/2" [1282.7mm] | 5'-2 1/2" [1587.8mm] |

*SHOCK ABSORBING PROPERTIES OF RESILIENT SURFACING MATERIALS VARY. IF YOU DETREMINE THAT LESS THAN 10" OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING. IF MORE THAN 10" IS REQUIRED MAKE UP THE DIFFERENCE BY REDUCING THE DEPTH OF THE GROUND HOLE BY NO MORE THAN 2".*

*NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF RESILIENT SURFACE MATERIAL AND CONCRETE*




*NOTE:*
*-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI*

***ELEVATION VIEW***

Issued/Revised: 7/11/2019

SuperMax Play Systems

Model No: _____

Desc: _____

# MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)

## PARTS LIST

| DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|
| Small Kickplate | 1 | 305742 |
| *Hardware Complete* | 1 | 302411 |
| 3/8" x 3/4" P.B.H.C.S. w/Patch | 8 | 812052* |
| 3/8" Lock Nut | 8 | 804353* |
| 3/8" Flat Washer (1 1/4" O.D.) | 16 | 817424* |

***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 any non-patch hardware.***

***SPECIFICATIONS:***

Kickplate measures 9-1/2" x 38" and is cut from galvanneal sheet metal with eight (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes and receives a baked-on polyester powder-coat finish after fabrication.

Primary hardware is stainless steel.

***INSTALLATION INSTRUCTIONS:***

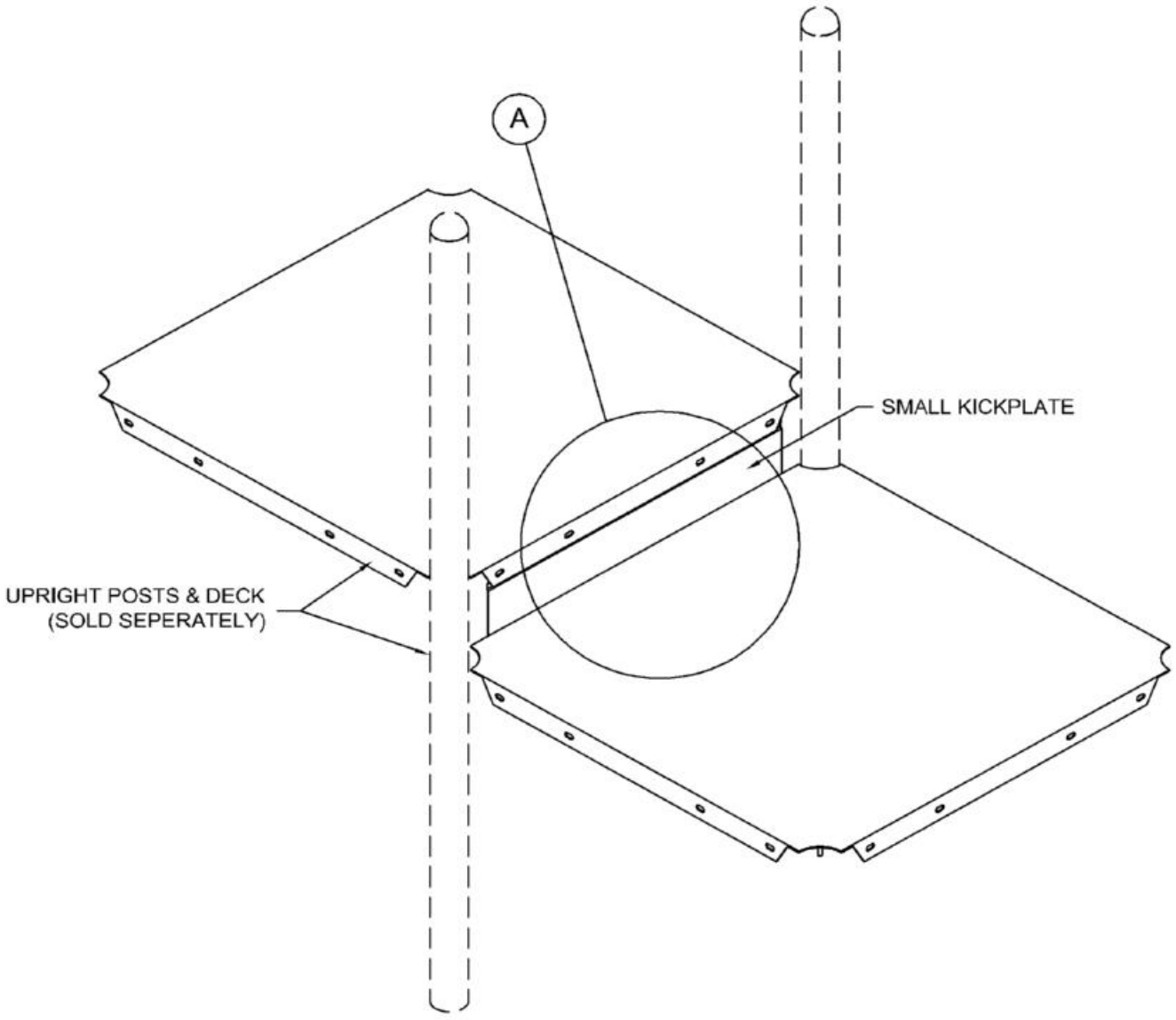
1. Refer to the main drawing to locate decks, which are spaced 8" apart. These will require Kickplate(s). Attach Kickplates after decks have been installed, but before deck clamps have been pinned, in case adjustment in deck heights is required to match up holes in deck flanges with holes in Kickplate.

2. Fasten the Kickplate between decks as shown in the drawing. No portion of the Kickplate should be protruding in a manner that could cause a user to receive a cut, scrape or trip over an edge. Any rough edges should be filed smooth, and any protruding corners should be flattened. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

***MAINTENANCE PROCEDURE:***

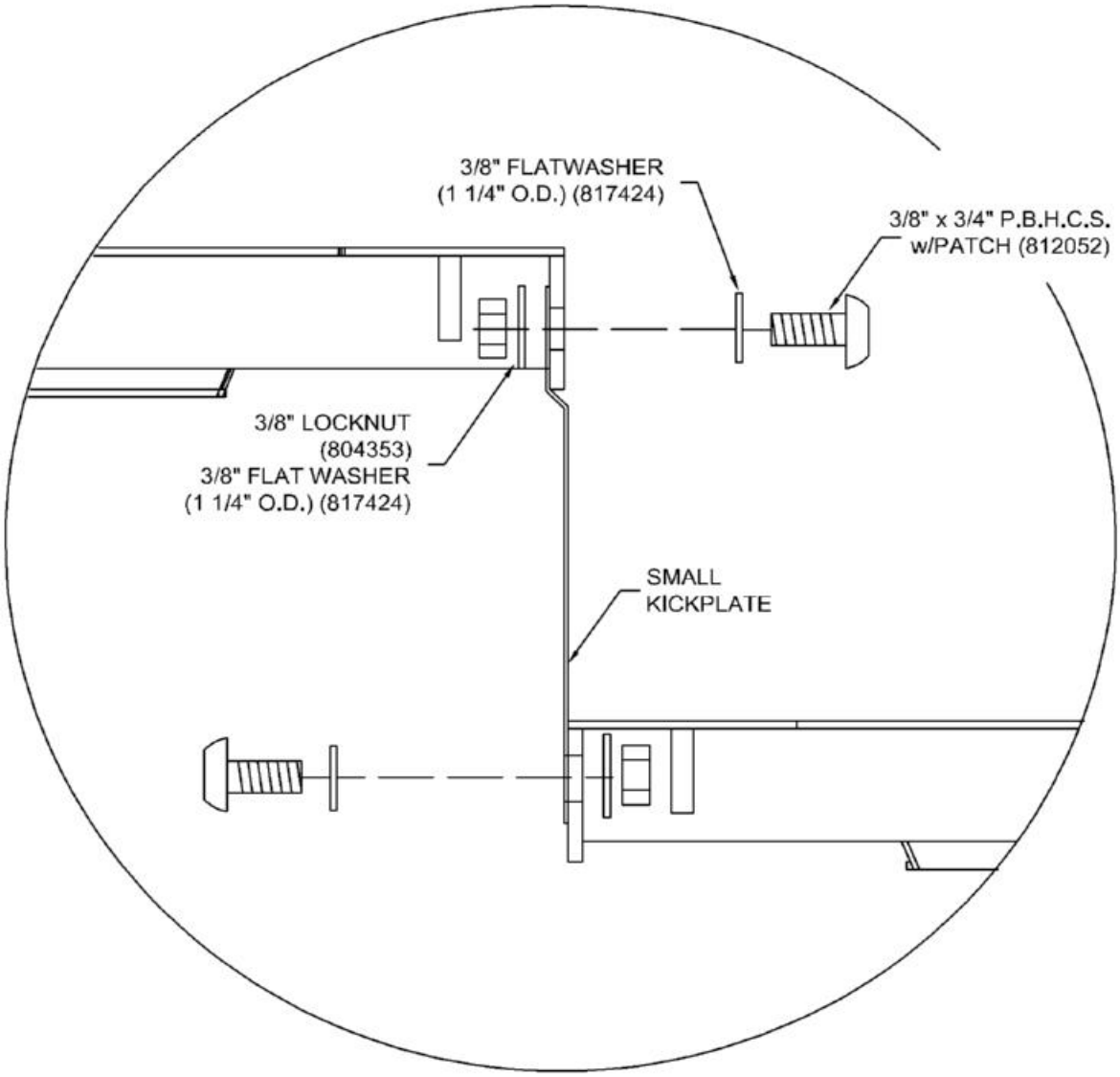
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

# MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)




FINISHED ASSEMBLY

# MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)




DETAIL "A"

SuperMax Play Systems

Model No: _____

Desc: _____

# MODEL NO. 60177 Extra Large Kickplate (Decks 32" Apart)

## PARTS LIST

| DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|
| Extra Large Kickplate | 1 | 305747 |
| *Hardware Complete* | 1 | 302411 |
| 3/8" Lock Nut | 8 | 804353* |
| 3/8" (1 1/4" O.D.) Flat Washer | 16 | 817424* |
| 3/8" x 3/4" P.B.H.C.S w/ Patch | 8 | 812052* |

***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 any non-patch hardware.***

***SPECIFICATIONS:***

Kickplate measures 33-1/2" x 38", and is cut from galvanneal sheet metal with (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Corners are rounded, edges are ground smooth, and receives a baked-on polyester powder-coated finish after fabrication.

Primary hardware is stainless steel.

***INSTALLATION INSTRUCTIONS:***

1. Refer to the main drawing to locate decks, which are spaced 32" apart. These will require Kickplate(s). Attach Kickplates after decks have been installed, but before deck clamps have been pinned, in case adjustment in deck heights is required to match up holes in deck flanges with holes in Kickplate.

2. Attach Kickplate to decks using 3/8" x 3/4" P.B.H.C.S. with Patch with 3/8" (1 1/4" O.D.) Flat Washers and 3/8" Lock Nuts.

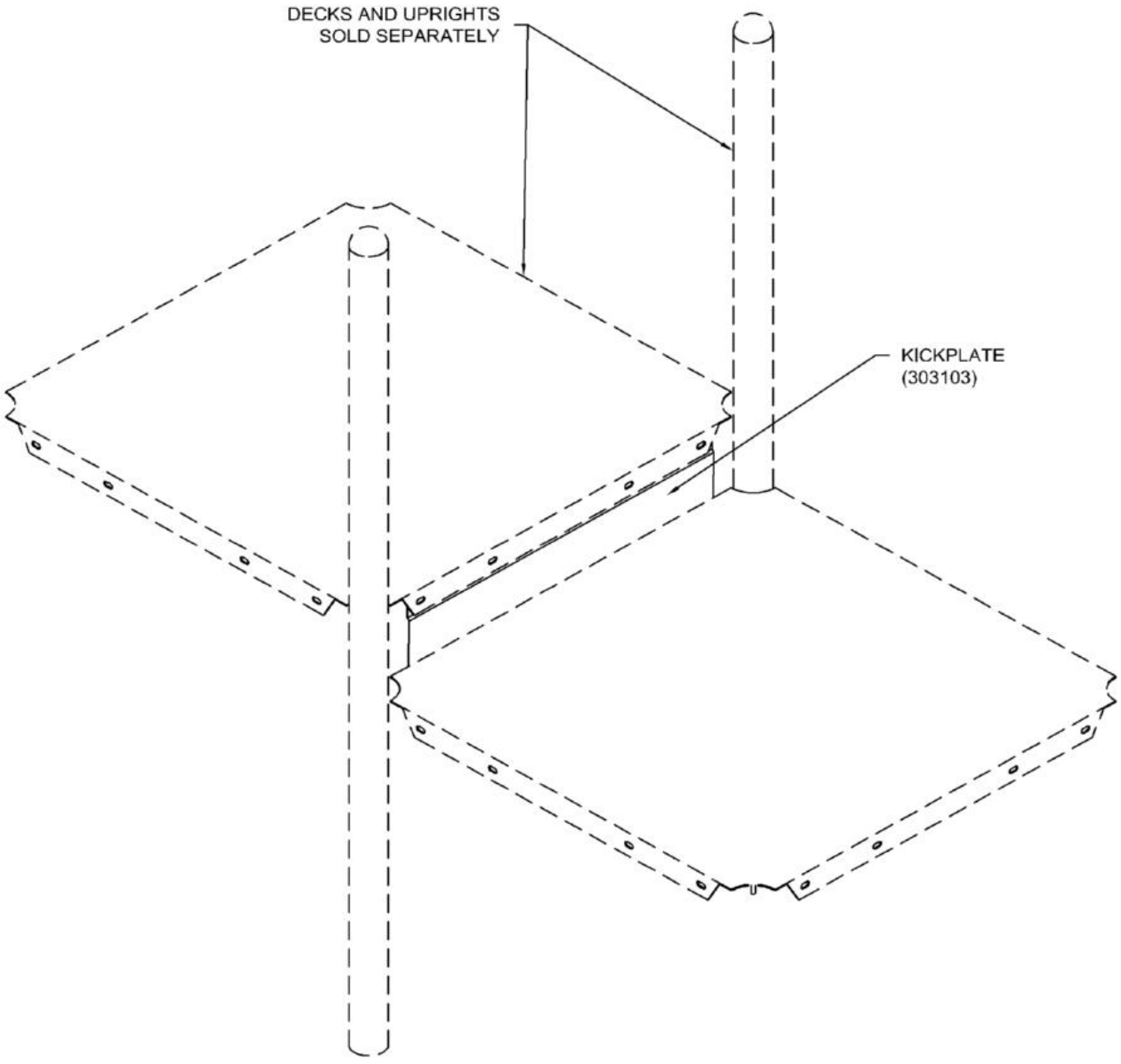
   ***IMPORTANT: No portion of the Kickplate should be protruding in a manner which could cause a user to receive a cut, scrape or trip over any edge. Any rough edges should be filed smooth, and any protruding corners should be flattened.***

3. Eliminate sharp points and sharp 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*.

***MAINTENANCE PROCEDURE:***

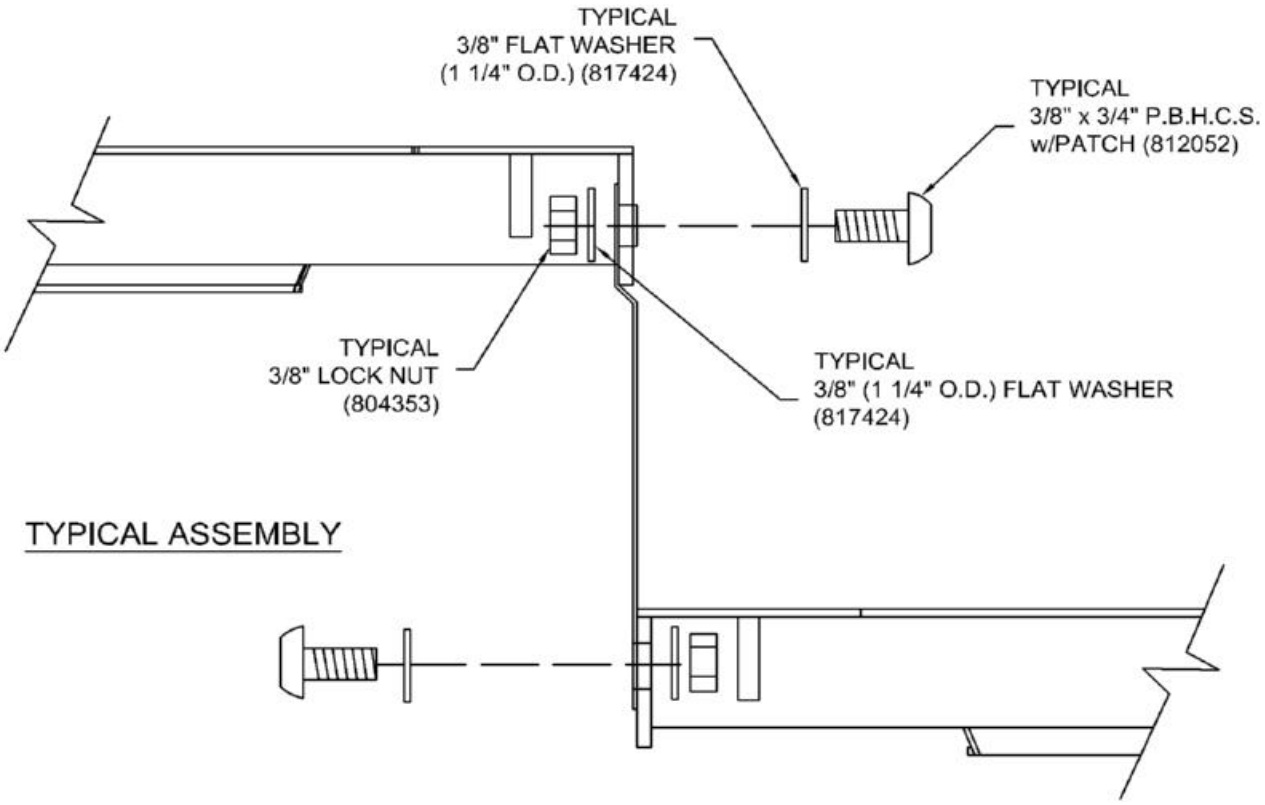
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check periodically resilient 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.

# MODEL NO. 60177 Extra Large Kickplate (Decks 32" Apart)




FINISHED ASSEMBLY

# MODEL NO. 60177 Extra Large Kickplate (Decks 32" Apart)




TYPICAL ASSEMBLY

NOTE: ANY SHARP EDGES ON THE KICKPLATE MUST BE FILED. ENSURE THAT NO CORNERS PROTRUDE FROM DECK FLANGE SURFACE AFTER KICKPLATE HAS BEEN BOLTED SECURELY.

SuperMax Play Systems

# MODEL NO. 60645 DECK CURB

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | DECK CURB | 1 | 308766 |
| | HARDWARE COMPLETE | 1 | 178177 |
| | 3/8" T-NUT | 4 | 804556 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| | 3/8" LOCK WASHER | 4 | 817334 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052 |
| | 1/2" FLAT WASHER | 4 | 817412 |

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

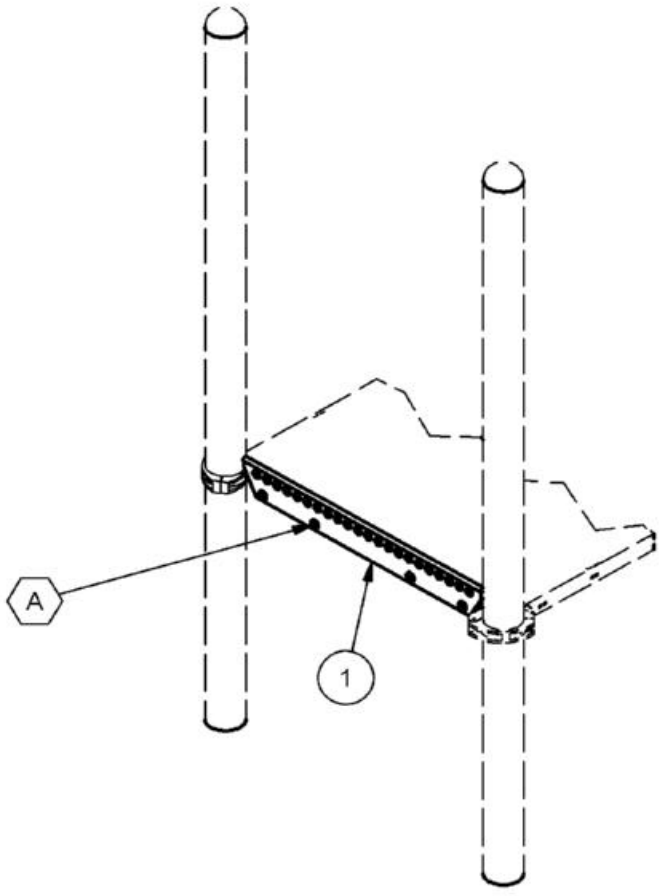
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***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-threaded hardware.***

## INSTALLATION INSTRUCTIONS:

1. Select the appropriate Deck opening to receive the Deck Curb. Refer to your overhead drawing for location.

2. Attach Deck Curb to side of deck using hardware shown in Detail A.



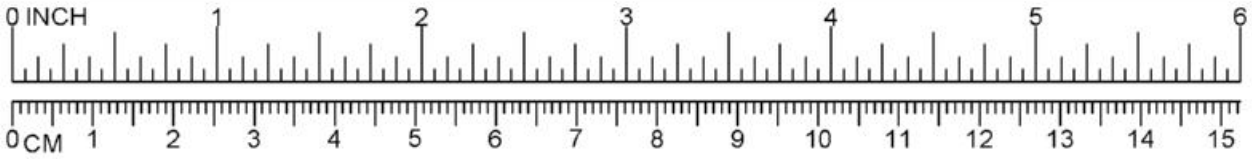
# DETAILS -for-
# 60645

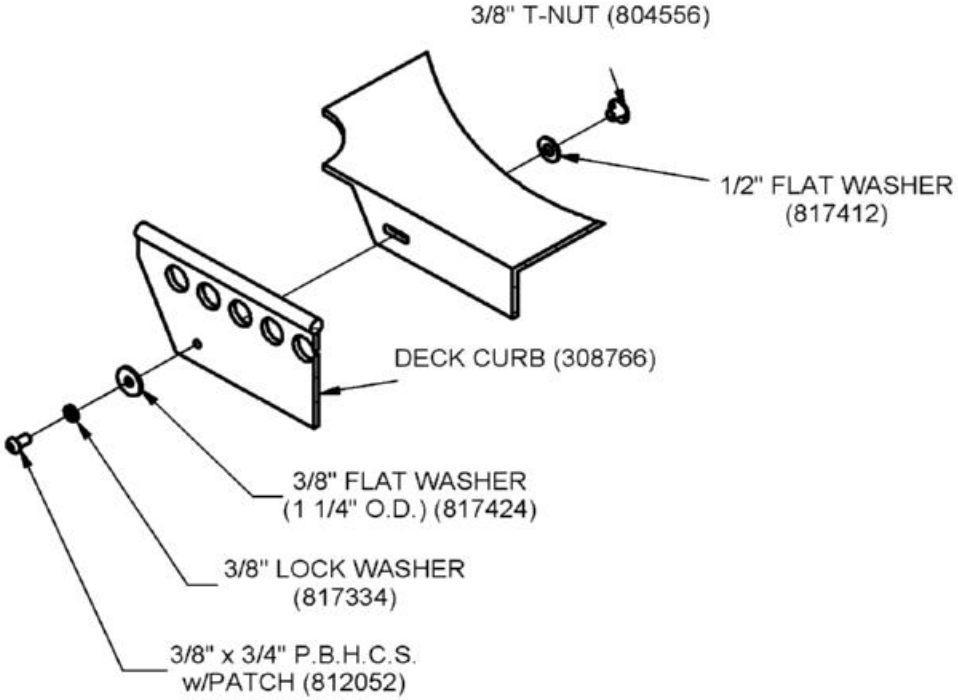
*IMPORTANT*

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.




DETAIL "A"

# MODEL NO. 60948 Aluminum 132" Post with Cap
# MODEL NO. G60948 Galvanized 132" Post with Cap

PARTS LIST

| DESCRIPTION | 60948 | G60948 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post with Cap (Aluminum) | 1 | 0 | 305805 |
| 5" O.D. Post with Cap (Galvanized) | 0 | 1 | G05805 |

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 132", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyesterpowder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 25.75 lb. / 11.68 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 69.79 lb. / 31.65 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60948 and G60948 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that itis time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will beinstalling. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

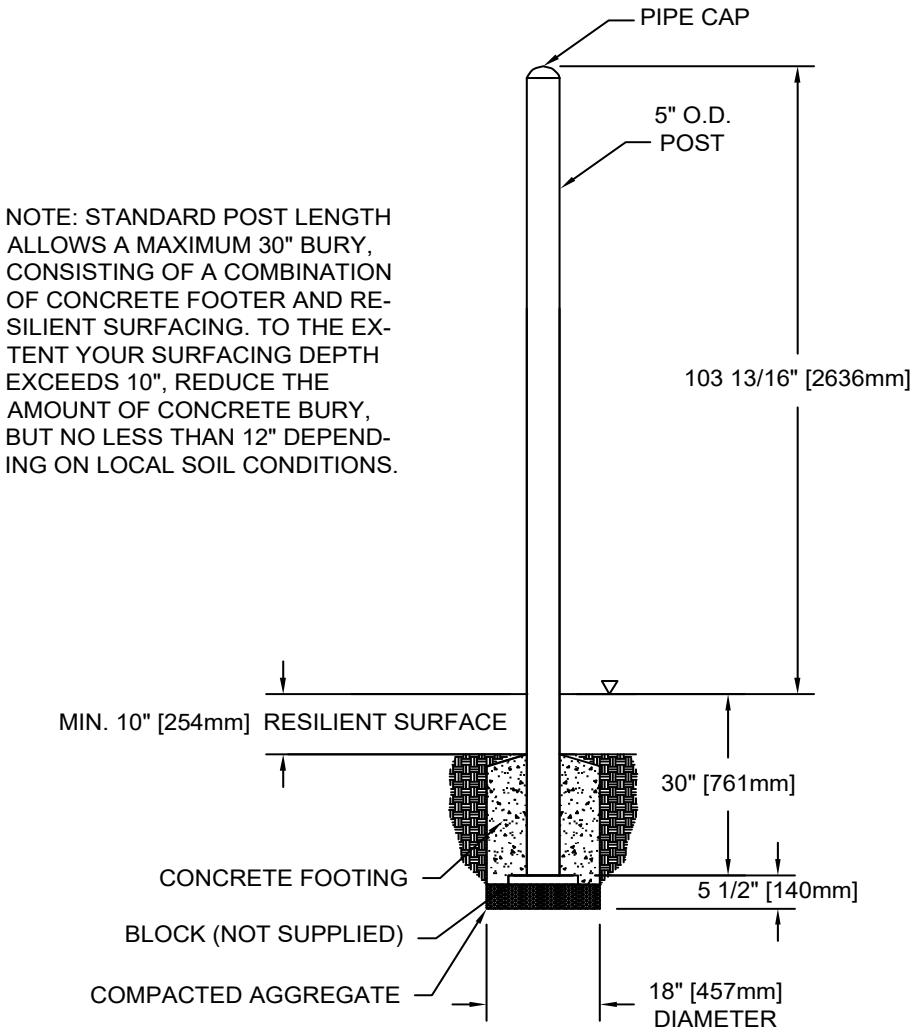
4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only whenall positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# MODEL NO. 60948 Aluminum 132" Post with Cap
# MODEL NO. G60948 Galvanized 132" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for hdes on deck, clean if necessary. 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.



# MODEL NO. 60949 Aluminum 84" Post with Cap
# MODEL NO. G60949 Galvanized 84" Post with Cap

PARTS LIST

| DESCRIPTION | 60949 | G60949 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post with Cap (Aluminum) | 1 | 0 | 305807 |
| 5" O.D. Post with Cap (Galvanized) | 0 | 1 | G05807 |

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 84", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyesterpowder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 16.75 lb. / 7.60 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 44.78 lb. / 20.31 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60949 and G60949 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that itis time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will beinstalling. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

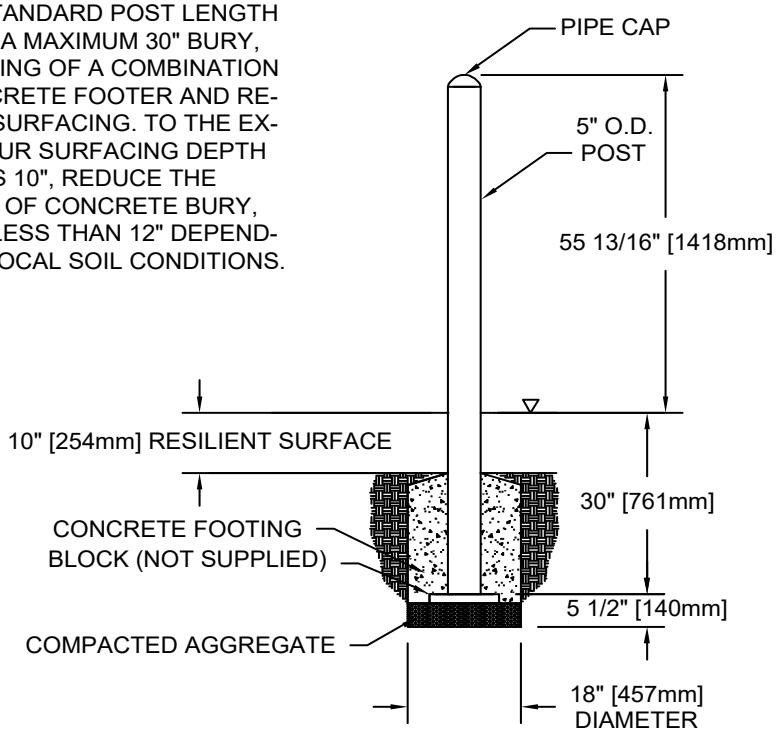
5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only whenall positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# MODEL NO. 60949 Aluminum 84" Post with Cap
# MODEL NO. G60949 Galvanized 84" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for hdes on deck, clean if necessary. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



# MODEL NO. 60956 Aluminum 108" Post with Cap
# MODEL NO. G60956 Galvanized 108" Post with Cap

PARTS LIST

| DESCRIPTION | 60956 | G60956 | PART NUMBER |
|---|---|---|---|
| 5" O.D. Post w/o Cap (Aluminum) | 1 | 0 | 305810 |
| 5" O.D. Post w/o Cap (Galvanized) | 0 | 1 | G05810 |

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 108", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyesterpowder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.
Weight: 21.25 lb. / 9.63 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.
Weight: 57.29 lb. / 25.98 kg.

INSTALLATION INSTRUCTIONS:

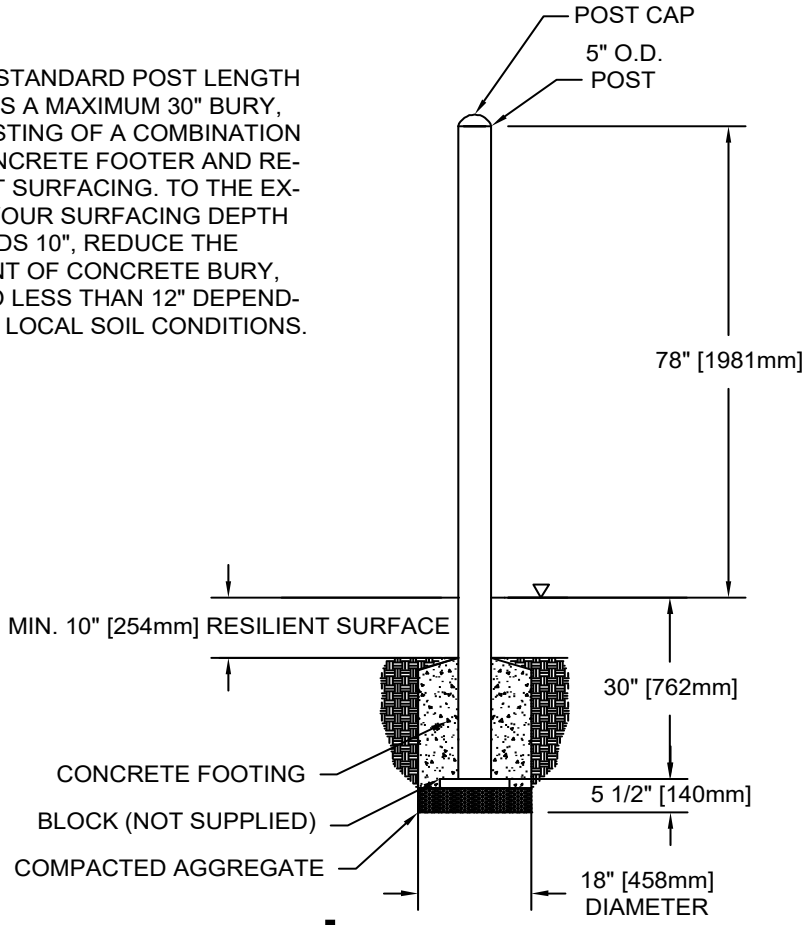
1. The models 60945 and G60945 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.
2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that itis time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will beinstalling. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.
3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.
4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.
5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only whenall positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# MODEL NO. 60956 Aluminum 108" Post with Cap
# MODEL NO. G60956 Galvanized 108" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for holes on deck, clean if necessary. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



SuperMax Play Systems

# 61383 Single Post Fabric Shade

| PARTS LIST | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| UMBRELLA UPRIGHT EXTENSION | 1 | 179803 |
| UMBRELLA ARM | 6 | 179818 |
| UMBRELLA BRACE | 6 | 179814 |
| INGROUND EXTENSION | 1 | 200053 |
| SHADE END CASTING 2 7/8" | 6 | 179787 |
| FABRIC PACKAGE FOR SINGLE POST FABRIC SHADE | 1 | 214365 |
| CABLE/CLAMP PACKAGE FOR SINGLE POST FABRIC SHADE | 1 | 214370 |
| CABLE | 1 | |
| CABLE CLAMP | 4 | |
| HARDWARE COMPLETE | 1 | 309402 |
| 1/2" x 1 1/4" HEX HEAD BOLT | 18 | 801204* |
| 1/2" LOCKWASHER | 19 | 817342* |
| 1/2" LOCKNUT | 19 | 804355* |
| 1/2" FLAT WASHER | 12 | 817412* |
| 1/4" x 3/4" DRIVE RIVET | 12 | 168449* |
| 1/2" ANCHOR ROD | 2 | 135038* |
| 3/8" x 5" P.B.H.C.S. w/PATCH | 2 | 812078* |
| 3/8" FLAT WASHER | 2 | 817410* |
| 3/8" LOCK WASHER | 2 | 817334* |
| 3/8" BARREL NUT | 2 | 804804* |
| 1/2" PIN-IN HEX KEY | 1 | 812640* |
| 1/2" x 5 1/2" HEX HEAD BOLT | 1 | 801221* |

*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.***

# 61383 Single Post Fabric Shade

## INSTALLATION INSTRUCTIONS:

1. Installation of shade must be done after playground has been installed, and concrete has cured. Approximately 48 hrs. (Refer to Detail 370 for footing requirements of uprights that support shade).

2. Attach the Umbrella Upright Extension to the upright using 3/8" x 5" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 373.

3. Attach the six Umbrella Braces to the Umbrella Upright Extension using 1/2" x 1 1/4" Hex Head Bolt, 1/2" Lock Washer and 1/2" Lock Nut as shown in Detail 375. ***Important:*** Do not tighten any bolts. Braces should be left loose so they can rotate into position and attach to Umbrella Arms.

4. Place the six Shade End Castings in the Umbrella Arms and attach using 1/4" x 3/4" Drive Rivets. See Detail 376. ***Note:*** Pin on Casting must be positioned opposite from tabs on the Umbrella Arms.

5. Attach the Umbrella Arms to the Umbrella Upright Extension using 1/2" x 1 1/4" Hex head Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. Refer to Detail 374.

6. Attach loose end of Umbrella Brace to Umbrella Arm using 1/2" x 1 1/4" Hex head Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. Refer to Detail 374.

7. Identify top of Fabric. The logo will be on bottom.

8. Starting at one corner, thread the steel cable into the jump-out hole beneath the loop of black fabric. NOTE: The starting corner (with the loose ends of cable) will be the only corner using the jump-out hole. At all other corners the cable will exit out the end of the fabric sleeve. Repeat until entire Fabric has been encircled. Leave a loop approximately 9 inches at each corner.

9. Spread the Fabric over the frame securing two opposite corners to the pins in the Shade End Castings ***Note:*** The Steel Cable must always pass under the pin in each Casting. See Detail 930.

10. Place the loop of cable below the eye of the remaining corners and pull the Fabric down over the pins. It may be necessary to flap the loose corners up and down to stretch the Fabric so that it fits over the pins.

11. There should be approximately 2' of Steel Cable left after the completion of step #11. Attach a come-along to one end of the Steel Cable. Attach the other end of the come-along to the adjacent upright (place protective fabric between come-along and the upright to protect paint). Tension the come-along slightly. Check again to make sure the Steel Cable is still under the Shade End Casting pins.

12. Attach a second come-along to the other Steel Cable and to the opposite upright. See Detail 929.

13. Take turns tensioning each come-along 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 Fabric by hitting the perimeter Steel Cable with the palm of your hand to see how much it moves. If the Fabric does not move more than 6" up or down then you have the correct tension. If Fabric bounces and has a ripple affect then you may need to apply more tension.

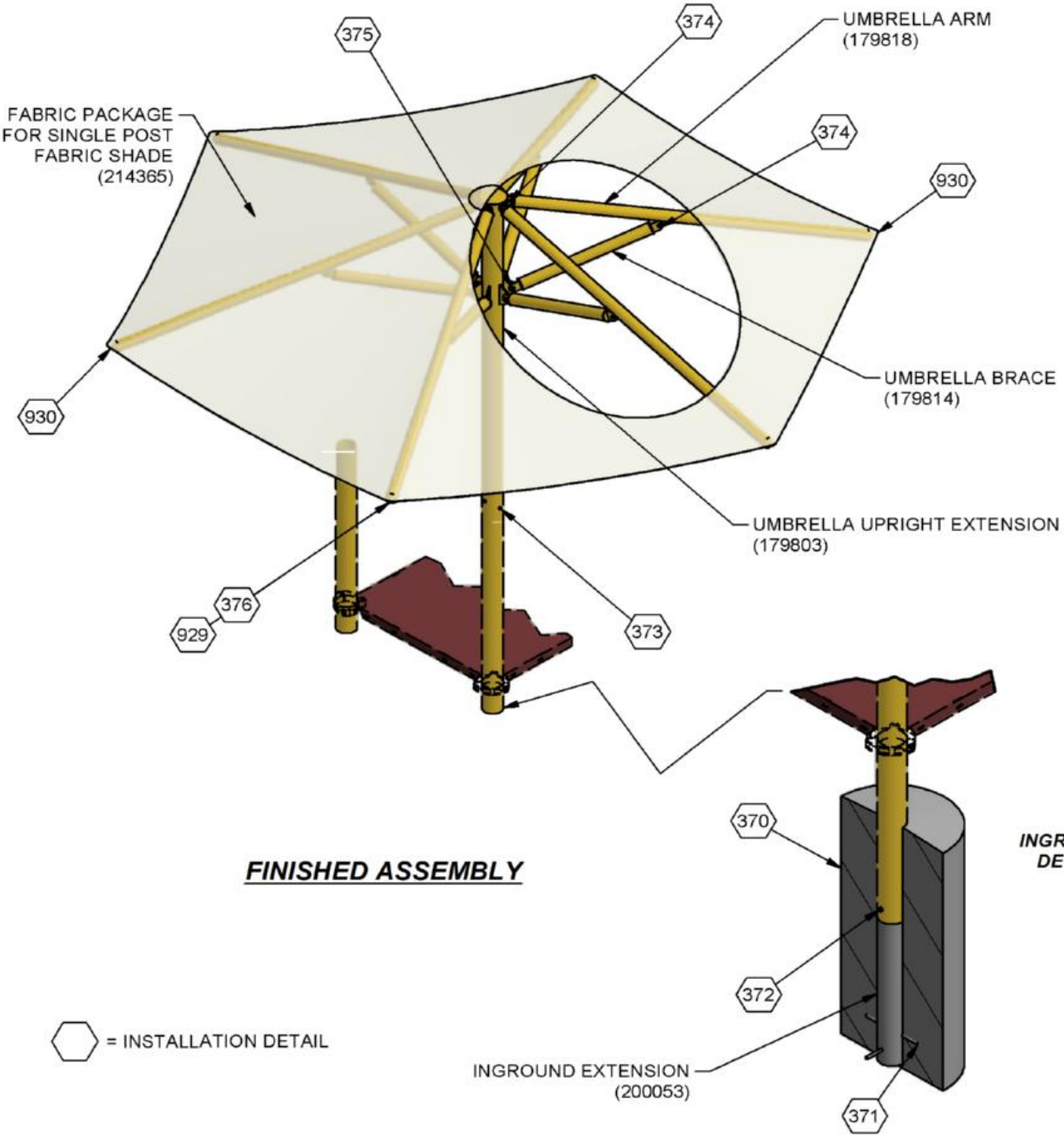
14. Using the Cable Clamps provided, fasten the Steel Cables together. Two Cable Clamps must be used and touching each other.

15. After clamps are tightened, thread the excess Steel Cable back into jump-out hole in the sleeve of the Fabric. 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.

## 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. Also 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.

# 61383 Single Post Fabric Shade



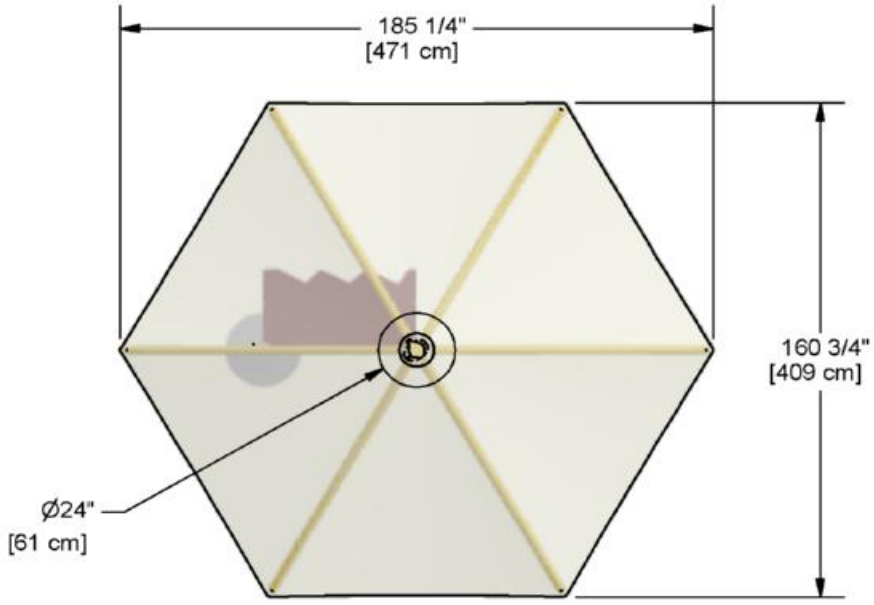

***FINISHED ASSEMBLY***

***INGROUND DETAIL***

⬡ = INSTALLATION DETAIL

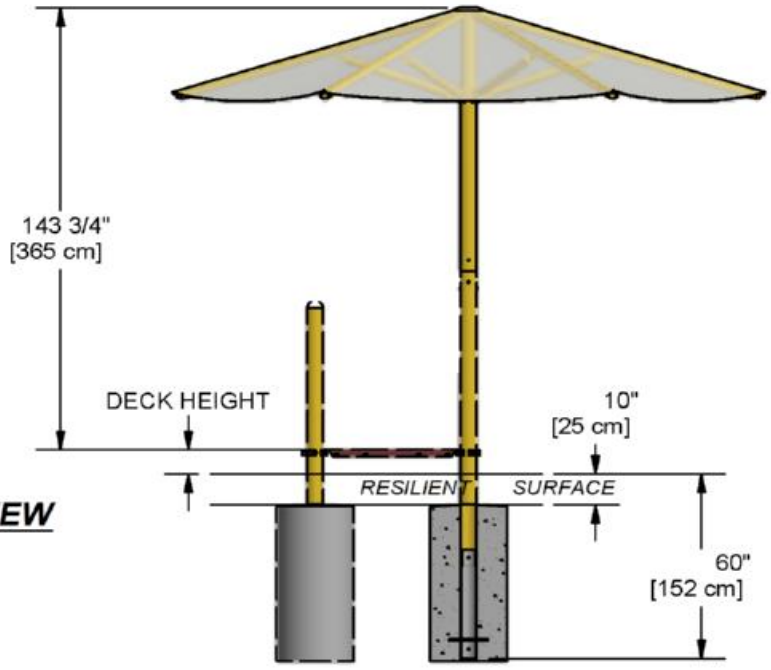
# 61383 Single Post Fabric Shade

## PLAN VIEW




**CONCRETE REQUIRED**
0.49 CUBIC YARDS
[0.37 CUBIC METERS]

## ELEVATION VIEW



# 61383 Single Post Fabric Shade

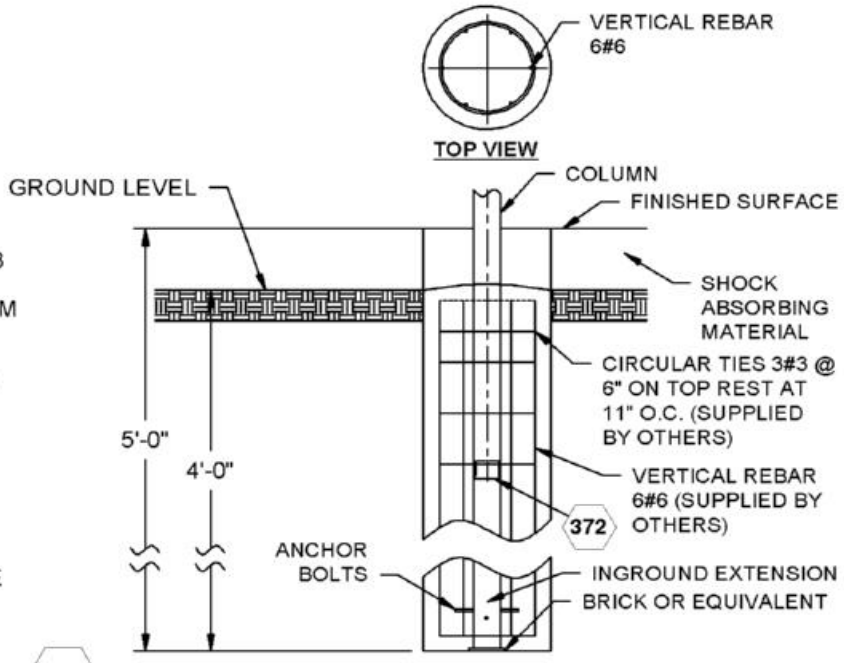
**REINFORCED CONCRETE**

1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE. CONCRETE SPECIFICATIONS, SHALL BE AS FOLLOWS:
   - -28 DAY STRENGTH: 2500PSI
   - -SLUMP: 3-5
   - -PORTLAND CEMENT SHALL CONFORM TO C-150
   - -AGGREGATE SHALL CONFORM TO ASTM C-33

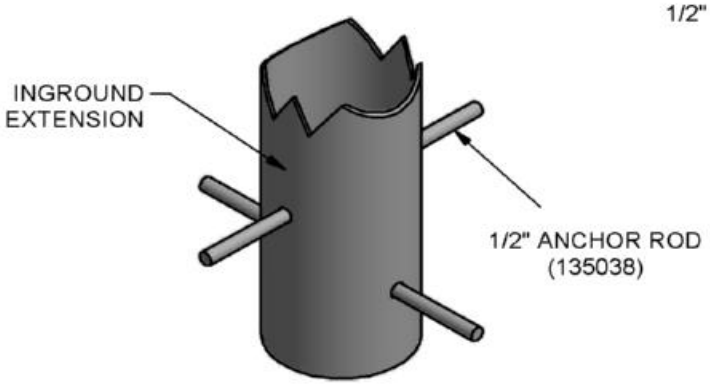
2. ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60
REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.

3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED)

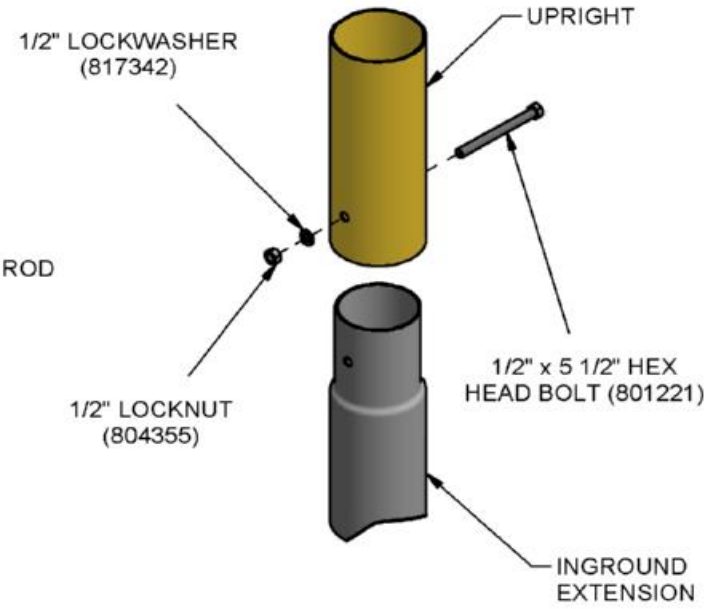
4. SOIL PARAMETERS FOR ANALYSIS TABLE 1804.2, CLASS : 5




370

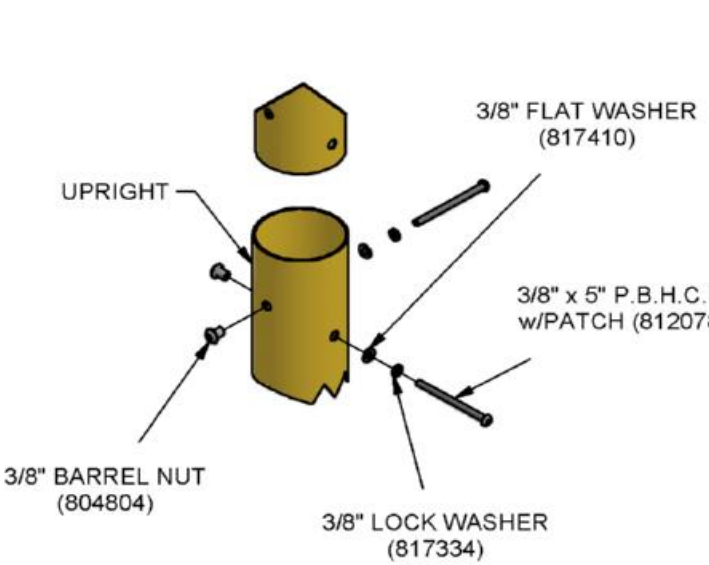



371

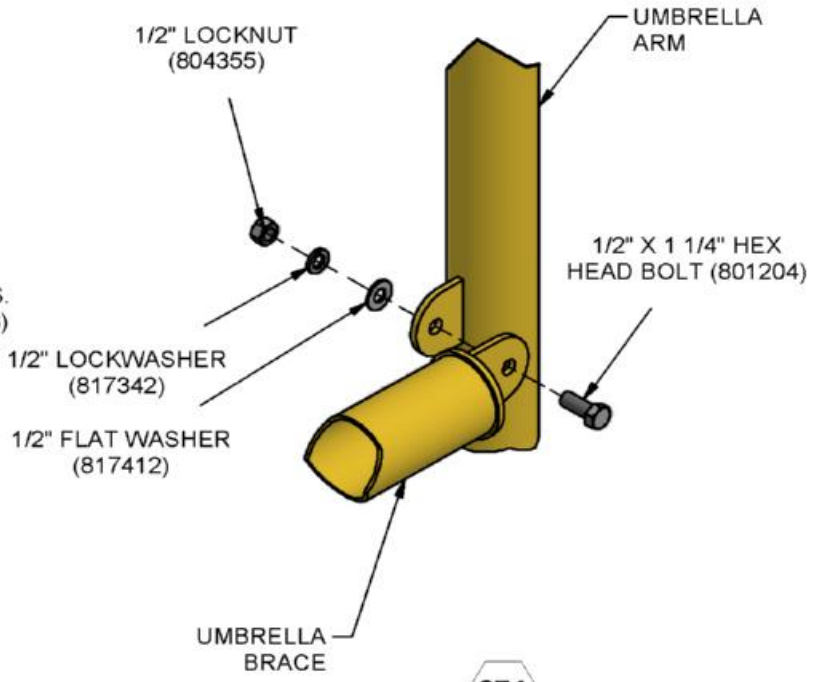



372

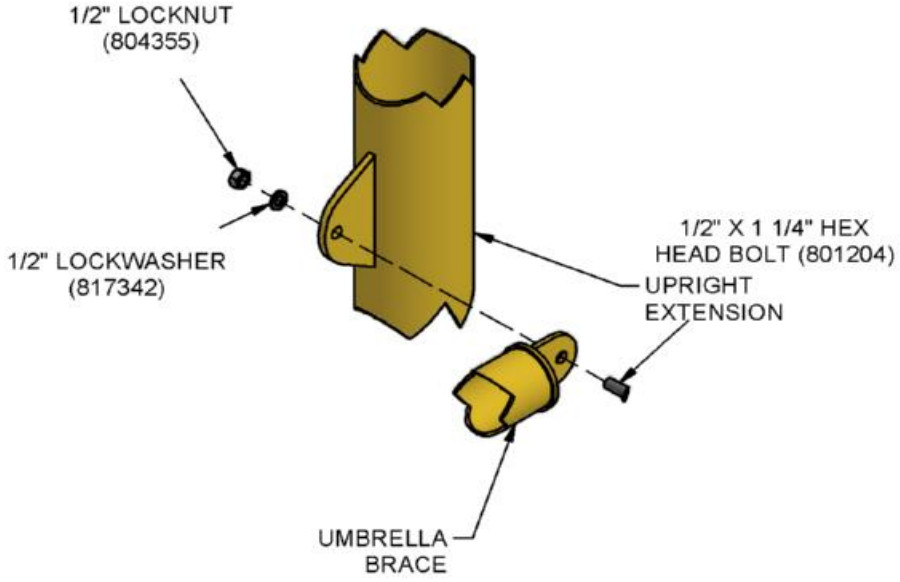
# 61383 Single Post Fabric Shade



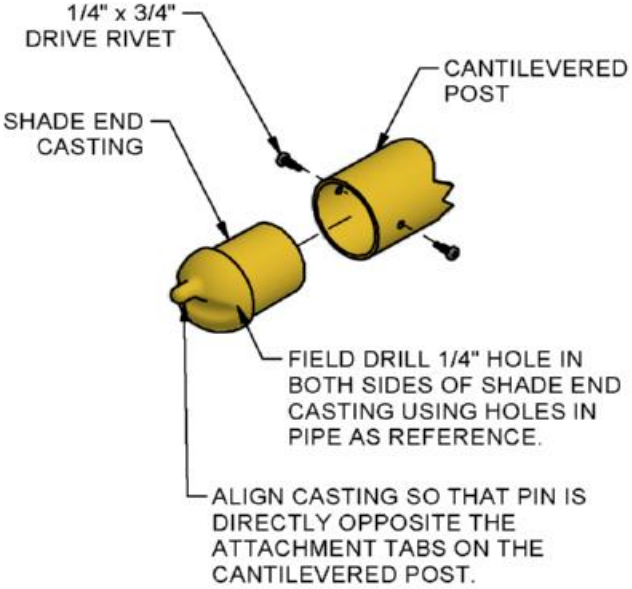

373




374




375

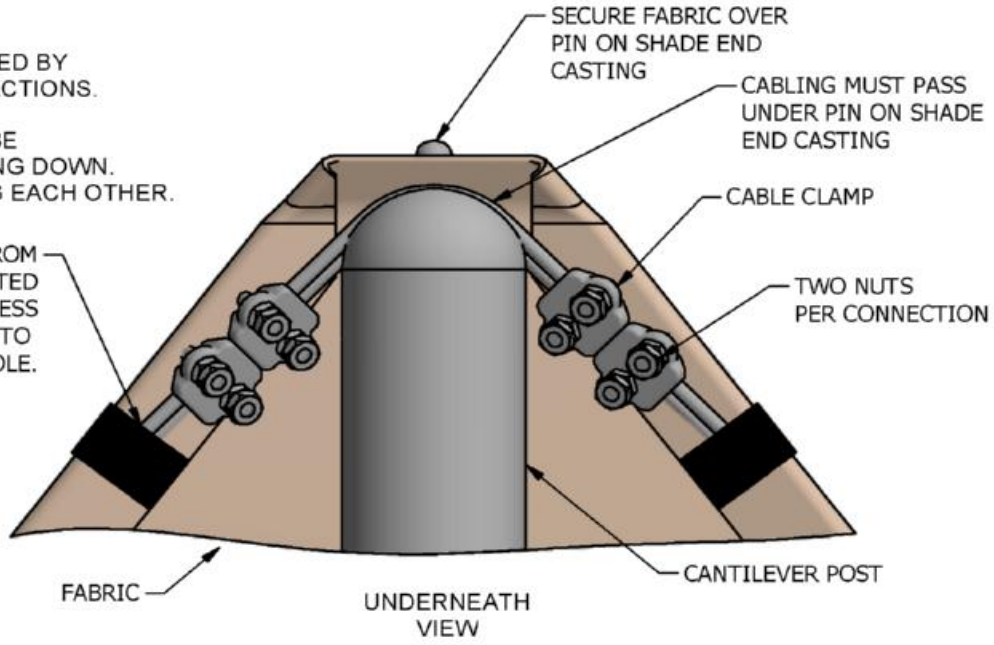



376

# 61383 Single Post Fabric Shade

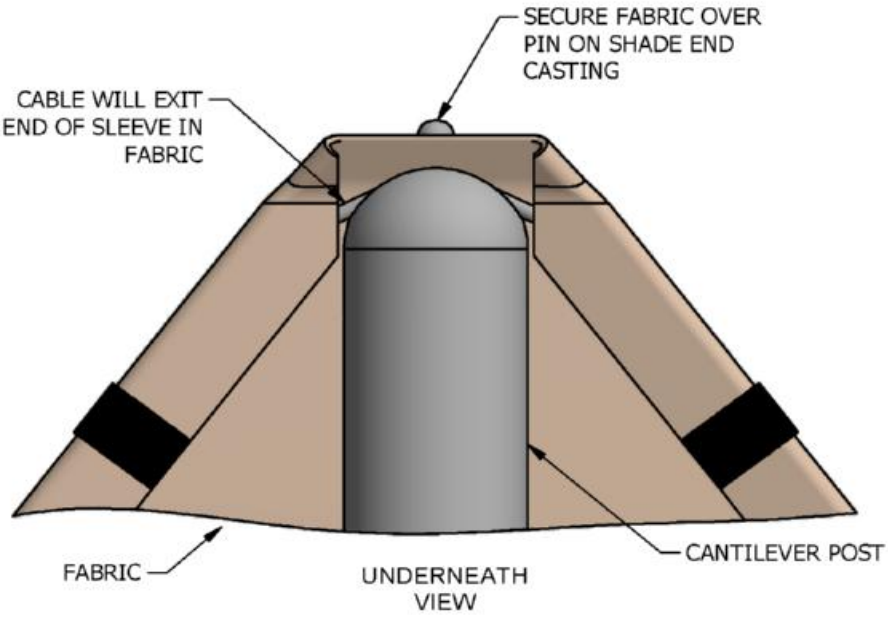
*NOTE:* ADD LOCTITE (SUPPLIED BY OTHERS) TO BOLTED CONNECTIONS.

*NOTE*: CABLE CLAMP MUST BE INSTALLED WITH NUTS FACING DOWN. CLAMPS MUST BE TOUCHING EACH OTHER.




UNDERNEATH VIEW

929




UNDERNEATH VIEW

930

Issued/Revised: 2/16/2018

# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"




**65280**
**65281**

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 65280 | 65281 | 65282 | PART NUMBER |
| BUTTON STEP | 1 | 1 | 1 | 315509 |
| FOOTBUCK 10" | 1 | 0 | 0 | 316196 |
| FOOTBUCK 20" | 0 | 1 | 0 | 316200 |
| FOOTBUCK 30" | 0 | 0 | 1 | 316203 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 316198 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812050 |
| 3/8" LOCK WASHER | 4 | 4 | 4 | 817334 |
| 3/8" FLAT WASHER | 4 | 4 | 4 | 817410 |




**65282**

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

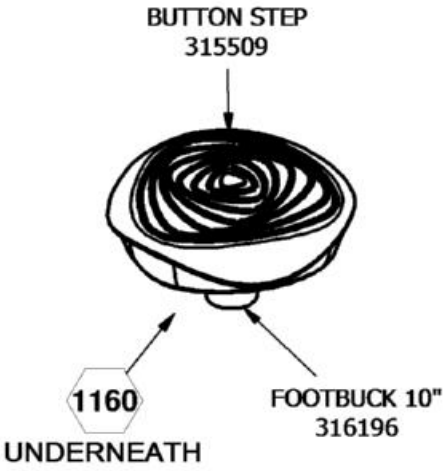
## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Button Step. Refer to order top view.
2. Dig required holes, refer to elevation view and order plan view for correct location and size.
3. Attach Button Step to correct Footbuck. Refer to order parts list. See Detail 1160.
4. Place Footbuck and Button Step assembly into hole.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure for at least 48 hours before use. Temporary may be required until concrete cures.

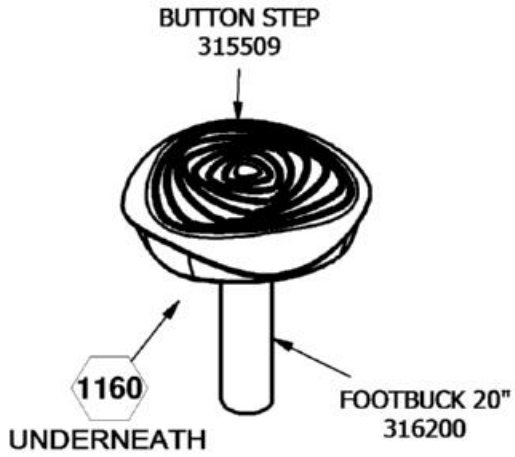
## MAINTENANCE PROCEDURE:

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

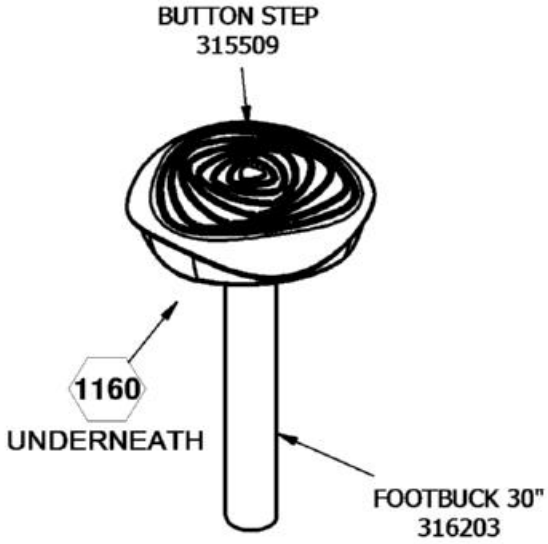
# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"




65280 SHOWN

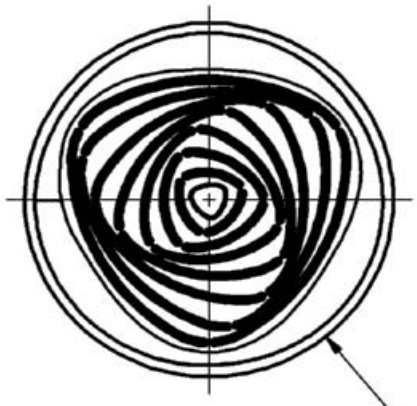



65281 SHOWN



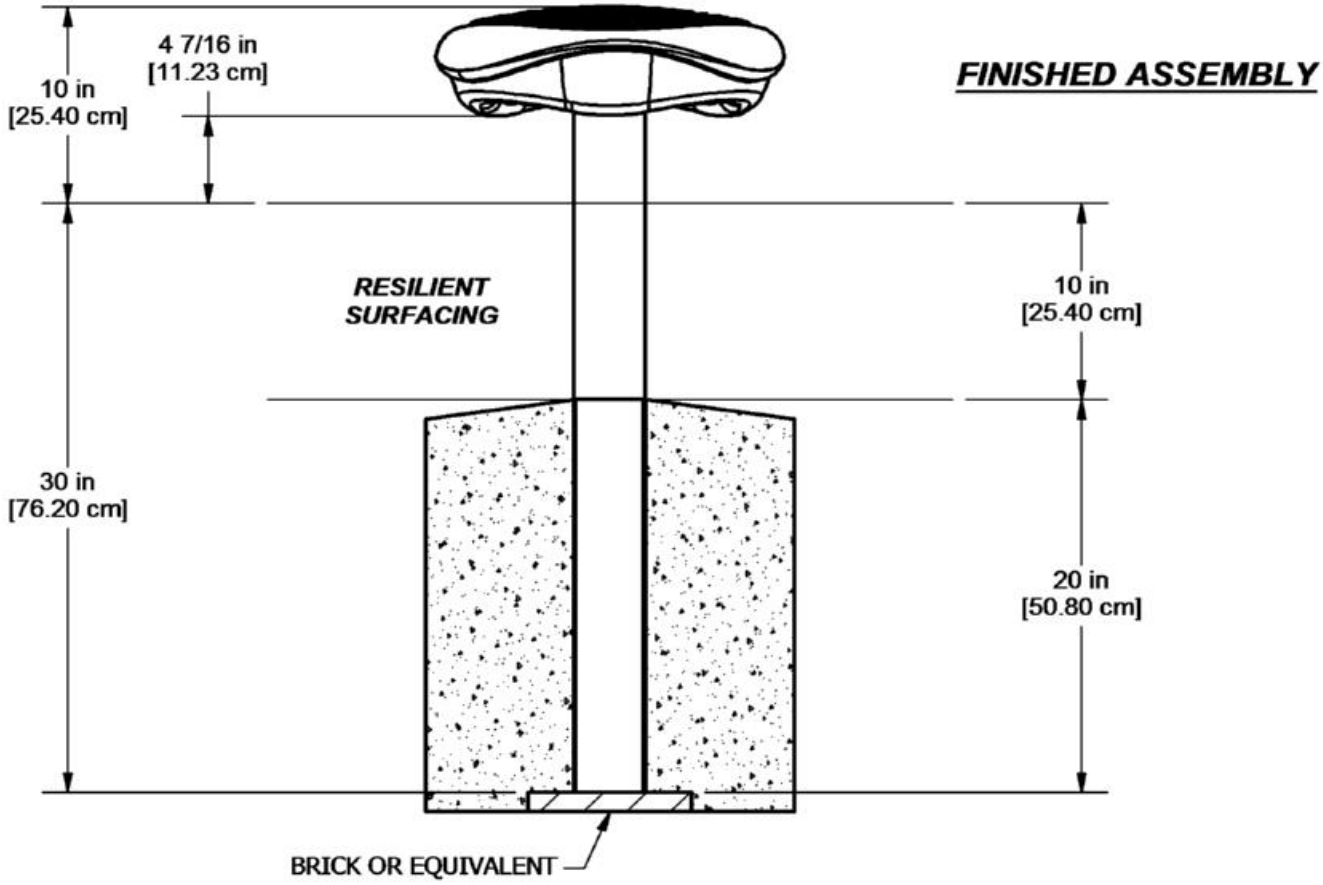

65282 SHOWN

# 65280 BUTTON STEP 10"



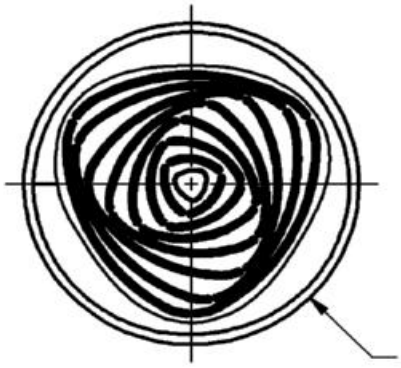

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



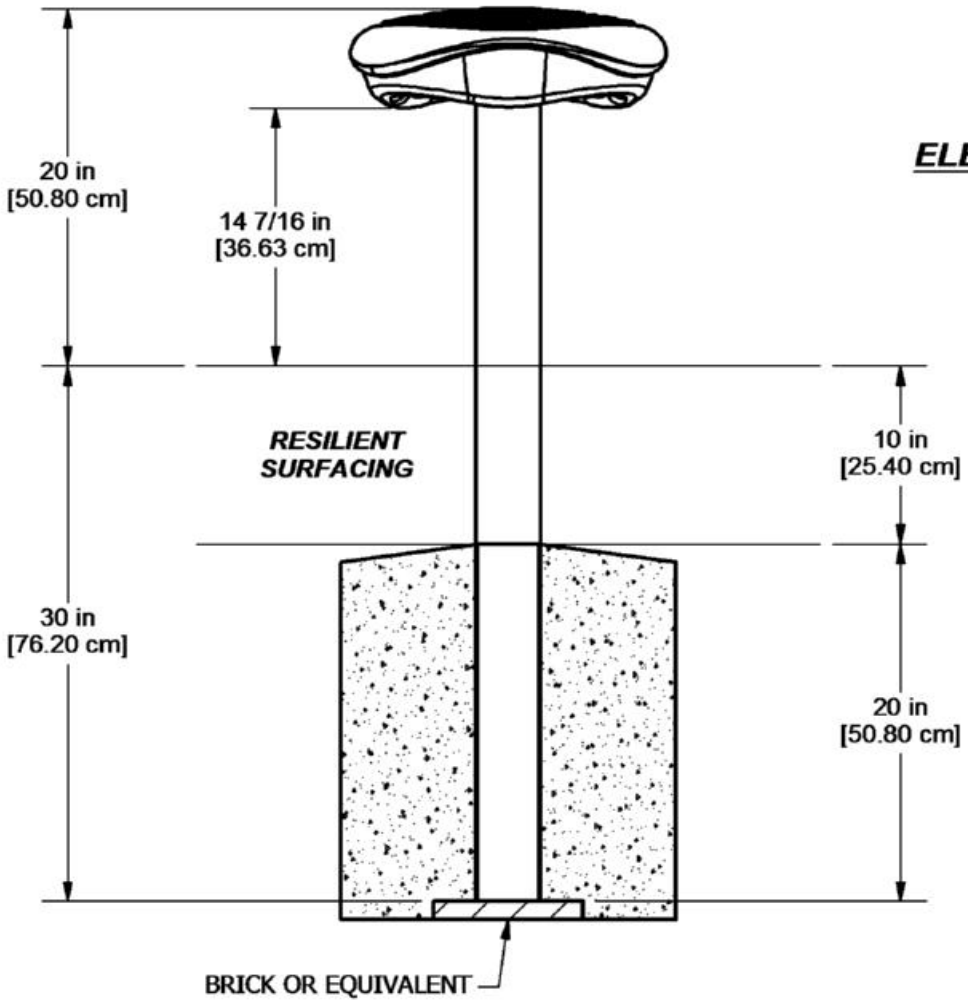

***FINISHED ASSEMBLY***

# 65281 BUTTON STEP 20"



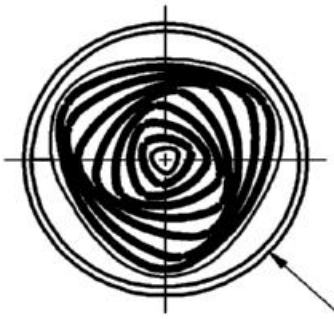

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



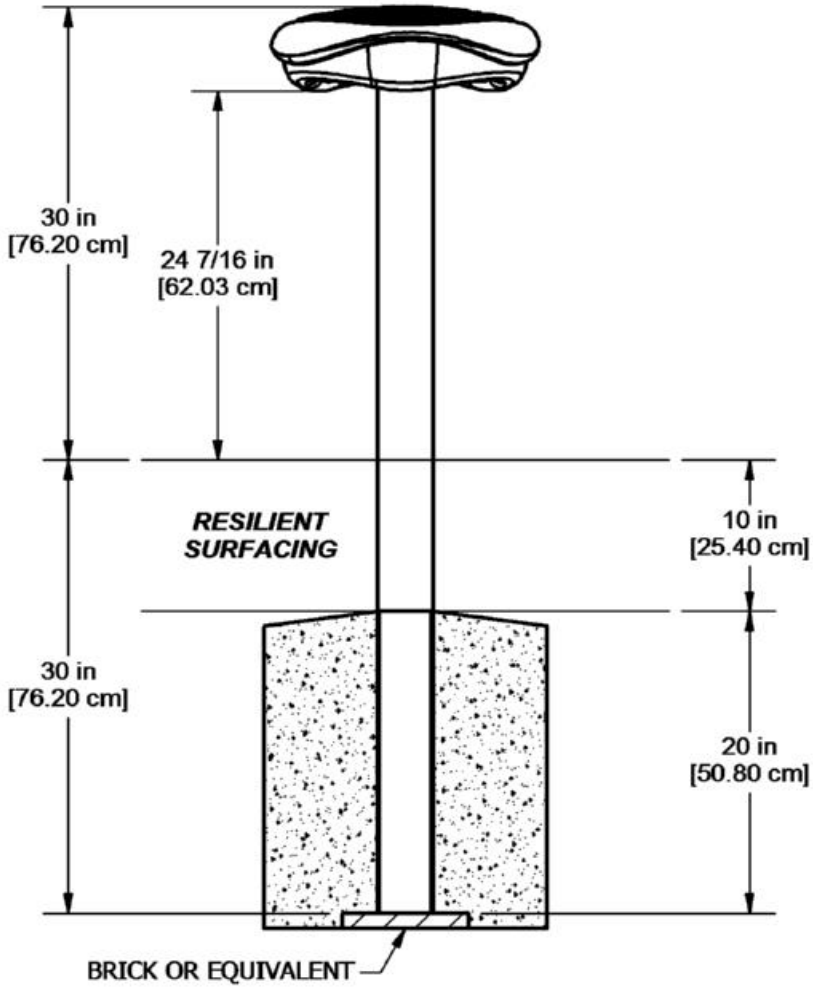

***ELEVATION VIEW***

# 65282 BUTTON STEP 30"



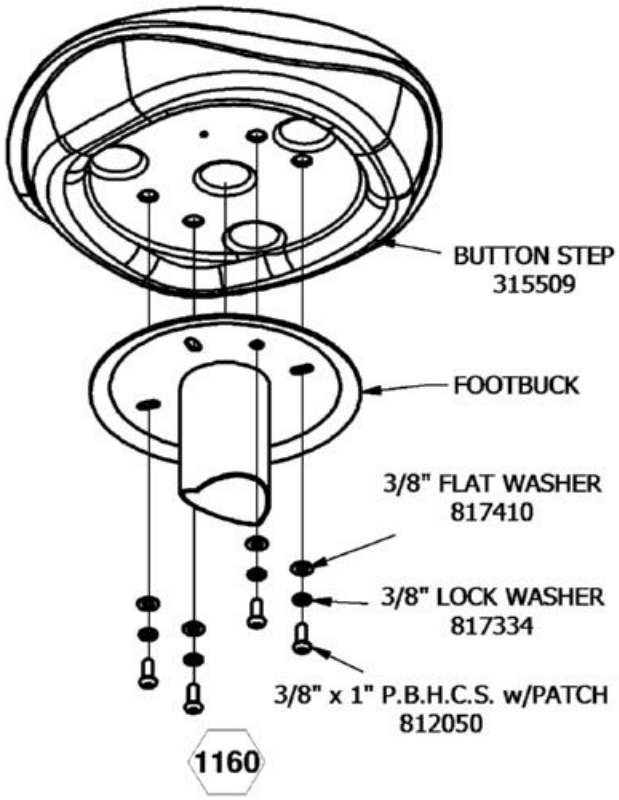

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



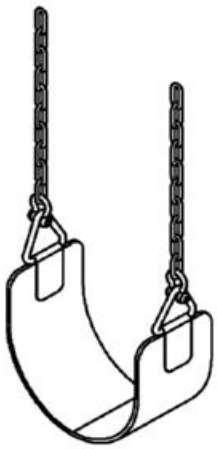

***ELEVATION VIEW***

# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"



# MODEL NO. 67549 SEAT

***BELT SEAT: 67549***
***FULLY ENCLOSED SEAT: 67553***
***67590, 67591, 67592,***
***67609, 67610, 67611***
***SS7590, SS7591, SS7592***
***67596, 67597, 67598,***
***67599,67600, 67615, 67616,***
***67617, 67618, 67619,***
***SS7596, SS7597, SS7598,***
***SS7599, SS7600***
***SEAT PACKAGES***



***67549***



***67553***

**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.

**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 'S' Hooks at both ends and all connection points for wear. Check all moving part such as hangers for wear. Check 'S' Hooks as specified by ASTM F 1487 SECTION 6.3 for Entanglement. 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.

# MODEL NO. 67549 SEAT

## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

- ☐ Replace all worn "S" Hooks. "S" Hooks must be completely closed. Failure to close "S" Hooks properly can result in serius injury to the user. Never reuse "S" Hooks.
- ☐ 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.
- ☐ *CUSTOMERS ARE PROVIDED WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATIONINSTRUCTIONS. 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 equipment requires regular tightening of all bolts, nuts, and set screws.

# MODEL NO. 67549 SEAT

## PARTS LIST -for- SEATS

| DESCRIPTION | NO. REQD | | PART NO. |
|---|---|---|---|
| | 67549 | 67553 | |
| Belt Seat | 1 | 0 | 153738 |
| Enclosed Tot Seat | 0 | 1 | 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 | NUMBER REQUIRED | | | | | | PART NUMBER |
|---|---|---|---|---|---|---|---|
| | 67596 | 67597 | 67598 | 67599 | 67600 | 67617 | |
| Belt Seat | 1 | 1 | 1 | 1 | 1 | 1 | 67549 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1487* |
| Chain | 0 | 0 | 2 | 0 | 0 | 0 | 103052* |
| Coated Chain | 0 | 0 | 0 | 0 | 0 | 2 | 153864* |
| Chain | 2 | 0 | 0 | 0 | 0 | 0 | 166892* |
| Chain | 0 | 2 | 0 | 0 | 0 | 0 | 166891* |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 153867* |
| | | | 67615 | 67616 | 67618 | 67619 | |
| Belt Seat | | | 1 | 1 | 1 | 1 | 67549 |
| Swing Hanger (2-3/8" O.D) | | | 2 | 0 | 2 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | | | 0 | 2 | 0 | 2 | 1462* |
| Coated Chain | | | 2 | 2 | 0 | 0 | 153869* |
| Coated Chain | | | 0 | 0 | 2 | 2 | 153868* |
| | 67590 | 67591 | 67592 | 67609 | 67610 | 67611 | |
| Enclosed Tot Seat | 1 | 1 | 1 | 1 | 1 | 1 | 67553 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1487* |
| Chain | 2 | 2 | 2 | 0 | 0 | 0 | 131904* |
| Coated Chain | 0 | 0 | 0 | 2 | 2 | 2 | 141140* |

## PARTS LIST -for- SEAT PACKAGES

| DESCRIPTION | NUMBER REQUIRED | | | | | | | | PART NUMBER |
|---|---|---|---|---|---|---|---|---|---|
| | SS7596 | SS7597 | SS7598 | SS7599 | SS7600 | SS7590 | SS7591 | SS7592 | |
| Belt Seat | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 67549 |
| Enclosed Tot Seat | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 67553 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1487* |
| Chain | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 177993* |
| Chain | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 177994* |
| Chain | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 177991* |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 177990* |

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

****Included in Hardware***

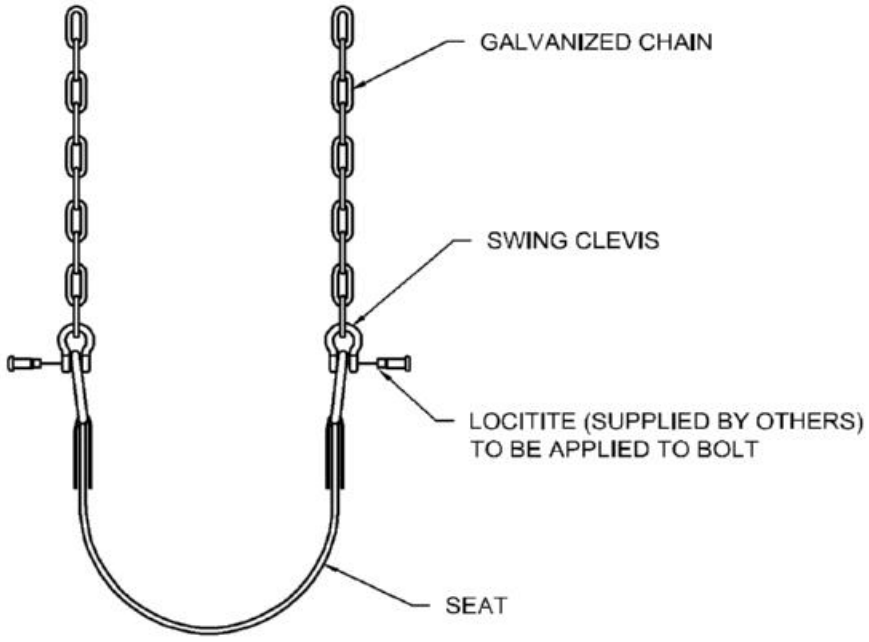
***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.***

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

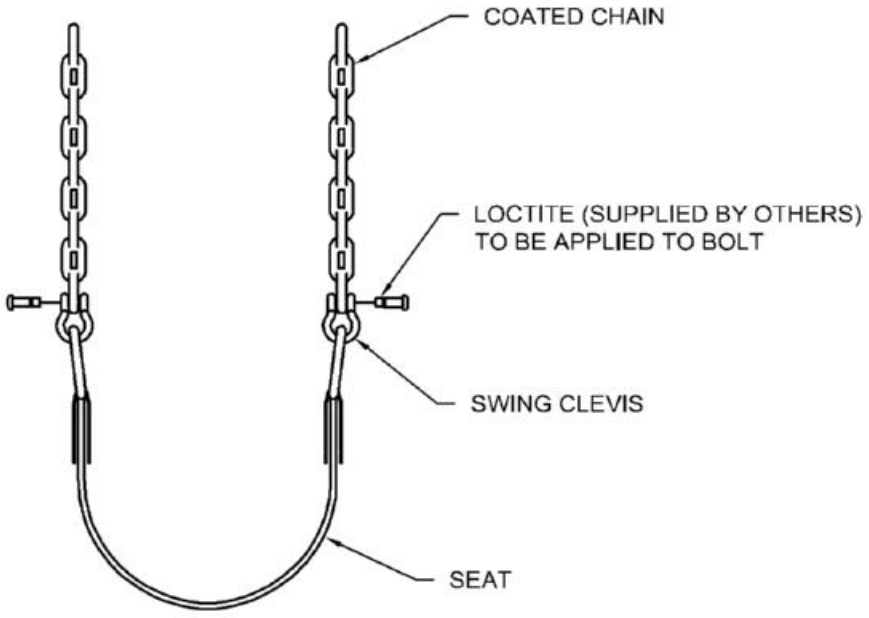
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

# MODEL NO. 67549 SEAT

## SEAT ASSEMBLY (WITH GALVANIZED CHAIN)

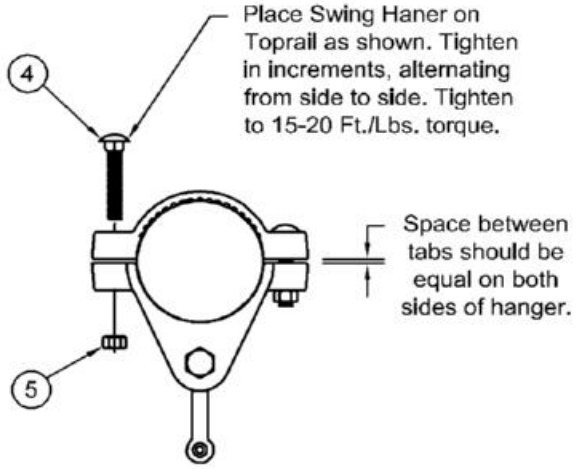


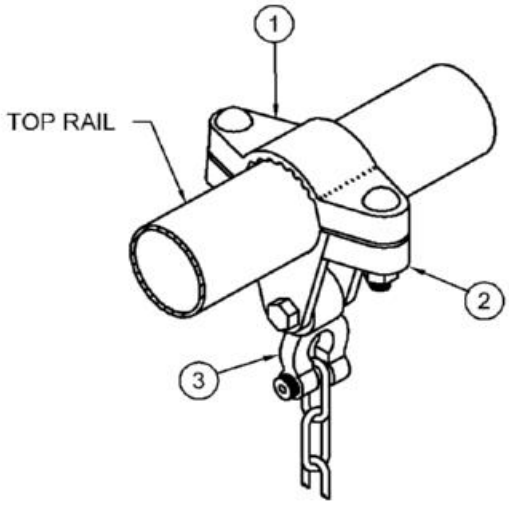

## SEAT ASSEMBLY (WITH COATED CHAIN)



# MODEL NO. 1461 SWING HANGER

| | |
|---|---|
| **GALVANIZED** | **1461** |
| **GALVANIZED** | **1462** |
| **PAINTED** | **1463** |
| **PAINTED** | **1485** |
| **PAINTED** | **1486** |
| **GALVANIZED** | **1487** |




## *SPECIFICATIONS*

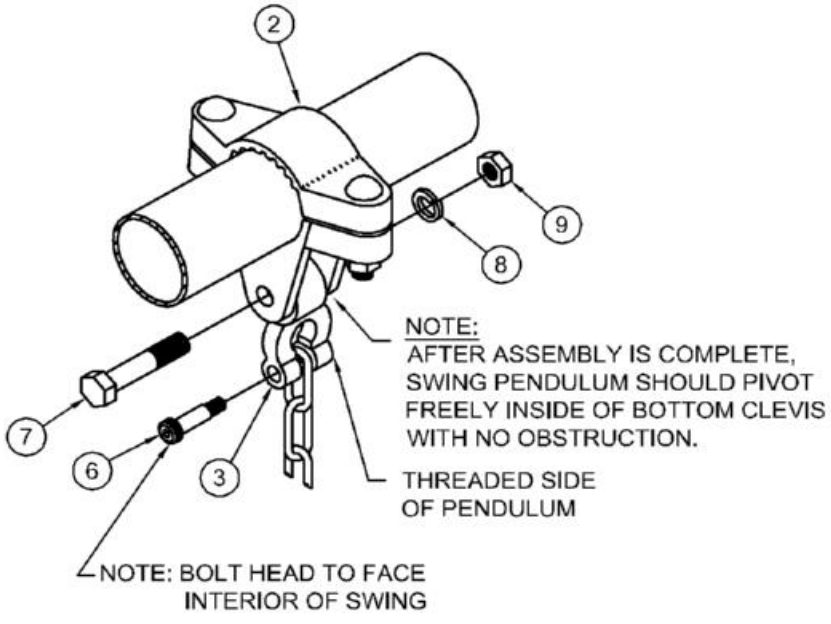
**MATERIAL:** All swing hanger castings shall be cast of malleable iron.

**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:** ***We*** have 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* |

# MODEL NO. 1461 SWING HANGER

## 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 | 0 | 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***
****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 any non-patch hardware.***

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY

| Parts List | | | | |
|---|---|---|---|---|
| ITEM | DESCRIPTION | 68034 | 68035 | 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 | 303587 |
| | 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* |

*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:** 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.

1. Dig holes according to the Ground Plan. See Detail 005. 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.

2. Insert toprail onto socket on the arch and secure. See Detail 020.

3. Set frame in holes, making sure that legs rest on foundation bricks. Check to ensure swing is level.

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.

5. Place swing hangers on toprail using Assembly Drawing for spacing. Hang seats per Installation Sheet for swing seats.

6. After assembly is complete, place manufacturer's I.D. label in a visible location.

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY

## 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 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.

☐ PLAY & PARK STRUCTURES® 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 PLAY & PARK STRUCTURES® 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.

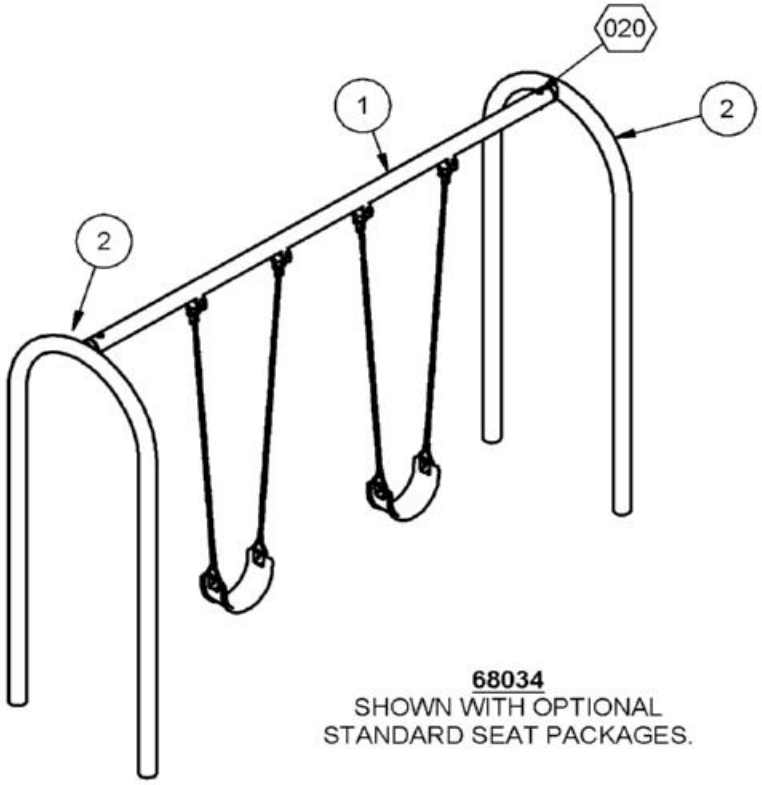
☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use PLAY & PARK STRUCTURES 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.

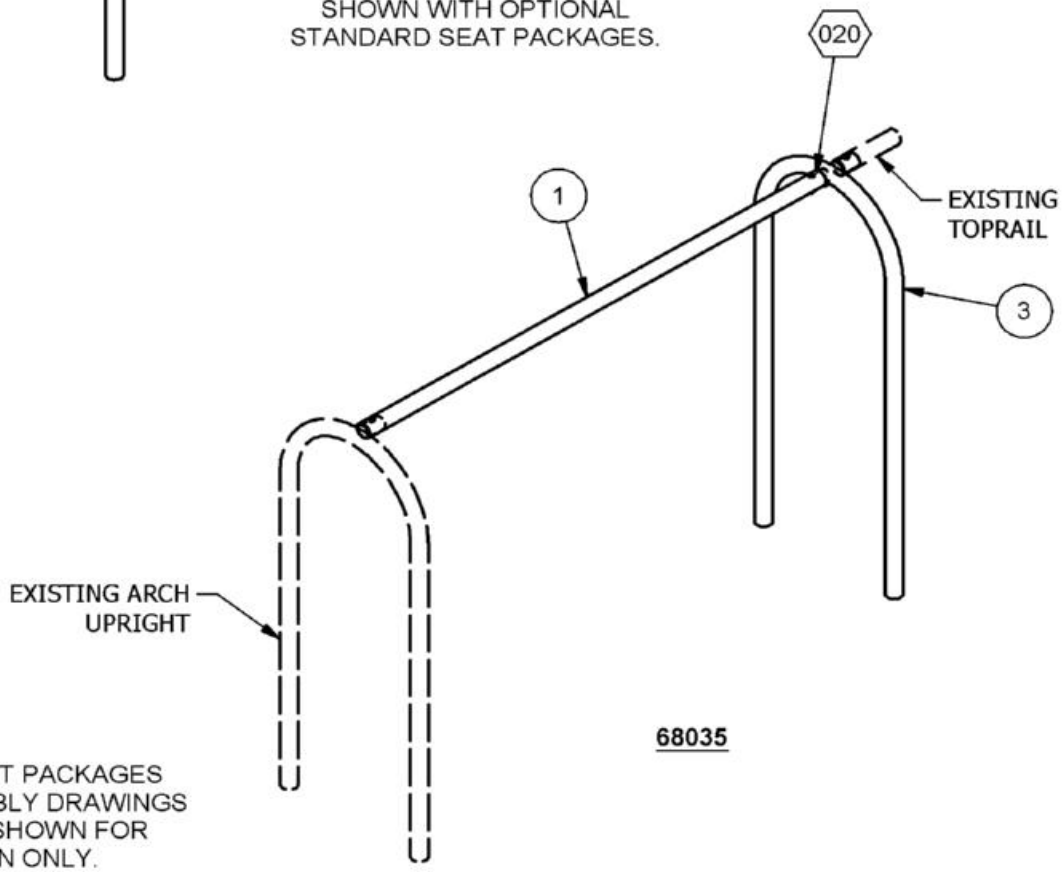
☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both fron and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY




**ASSEMBLY DRAWINGS**

**68034**
SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

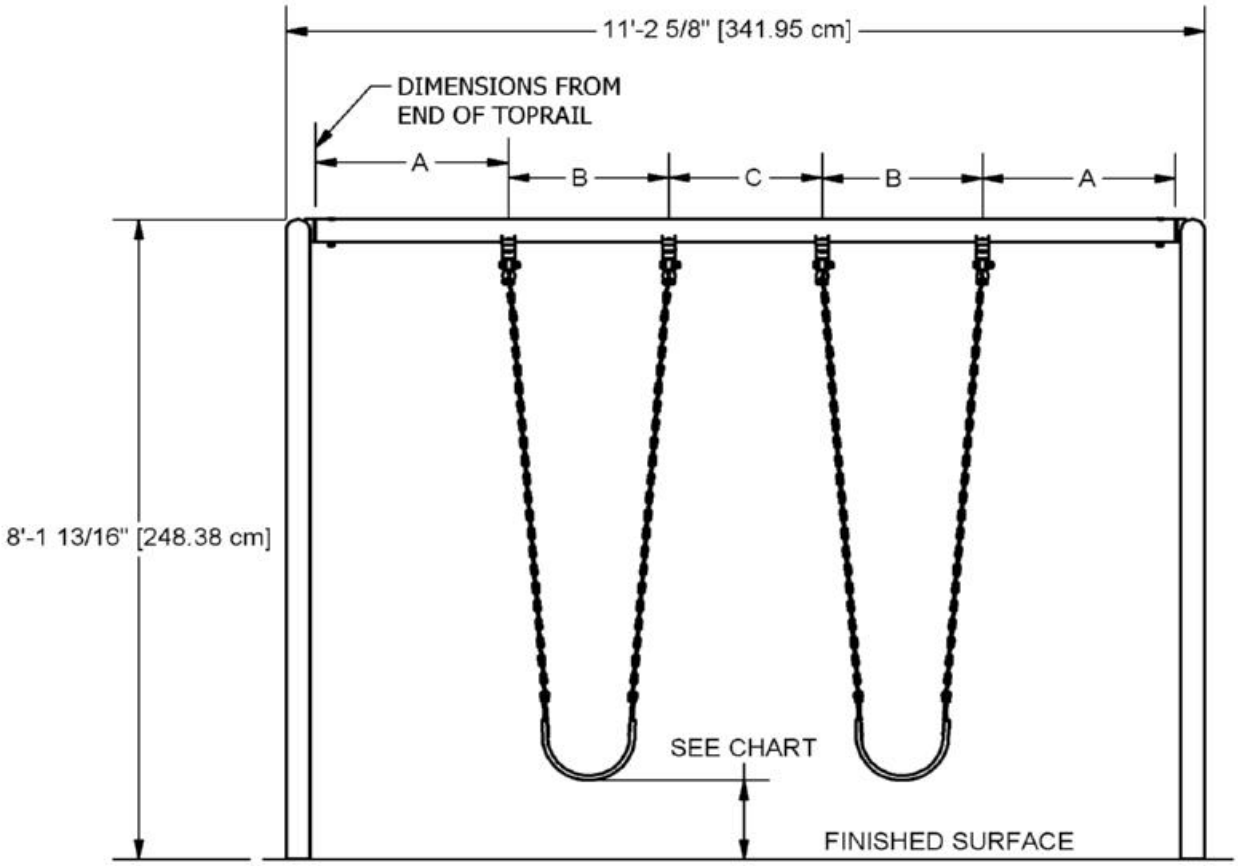



**68035**

NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWINGS NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY

| 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] |

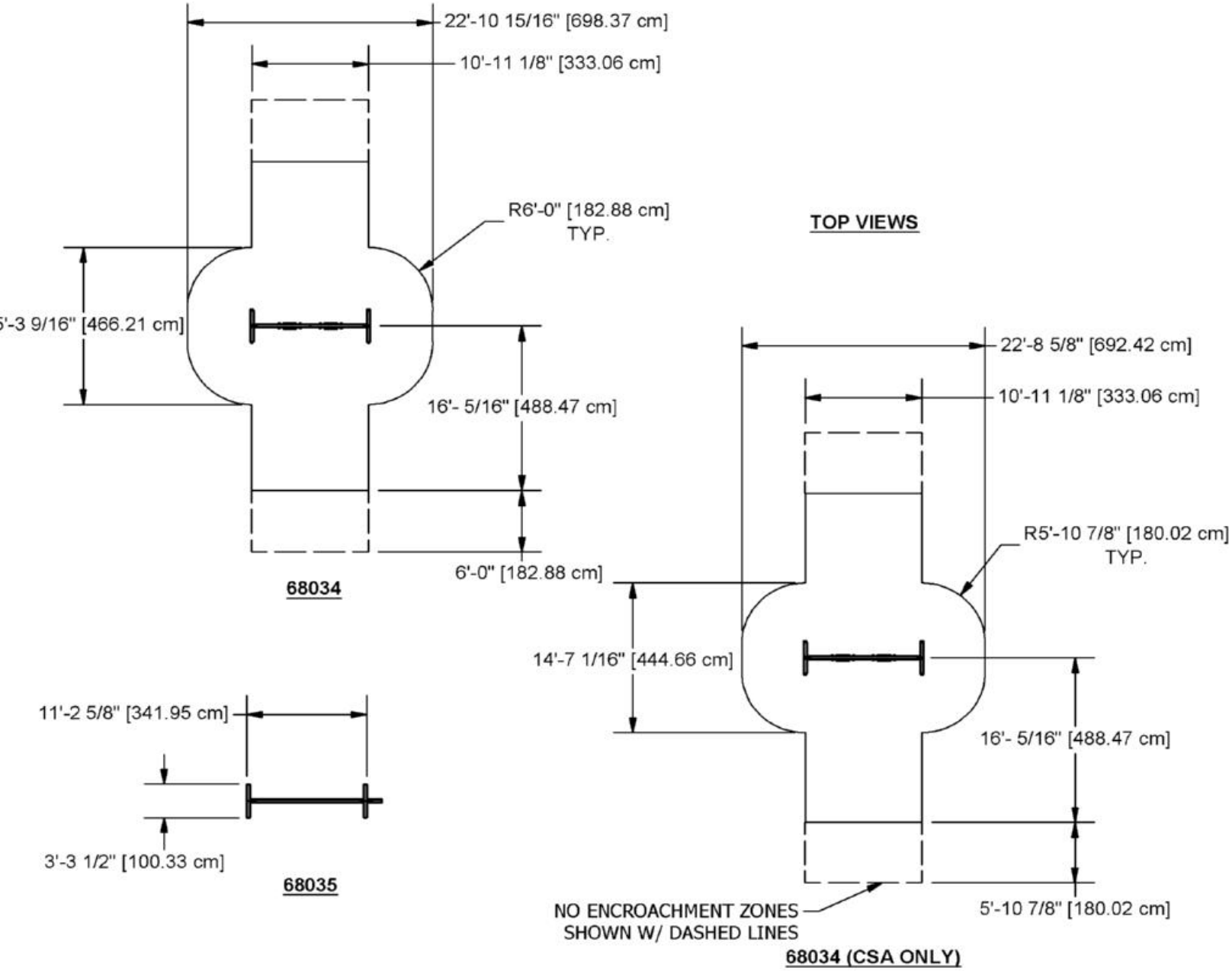



68034 SHOWN (68035 SIMILAR)
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| CANADIAN | STRAP - 300mm [11.81"]<br>ENCLOSED TOT SEAT - 600mm [23.62"] | N/A |
| ASTM | STRAP - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |
| BS EN | 350 mm [13.77"] | N/A |
| CPSC | STRAP - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |

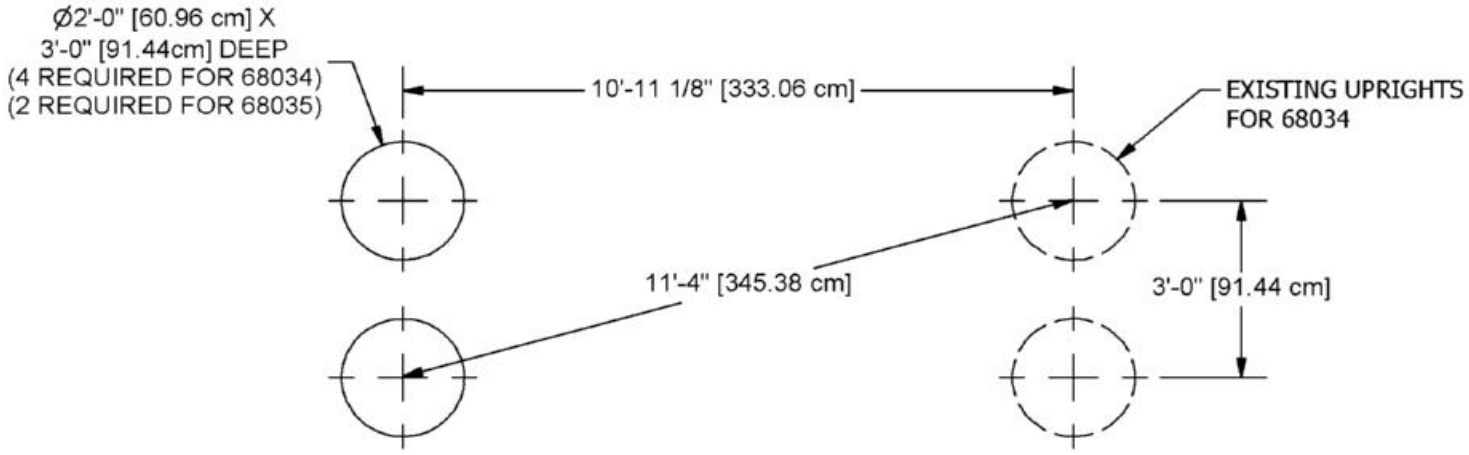
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY




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].

# 68034 3 1/2" O.D. STANDARD ARCH SWING - 2 SEATS
# 68035 3 1/2" O.D. STANDARD ARCH SWING ADD-A-BAY




**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:
.23 CUBIC YARDS
.18 CUBIC METERS
(PER HOLE)

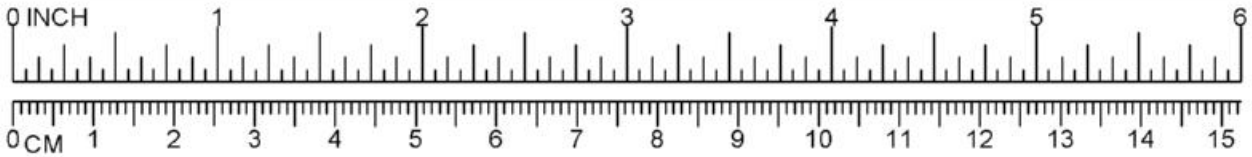
# DETAILS -for-
# 68034 & 68035

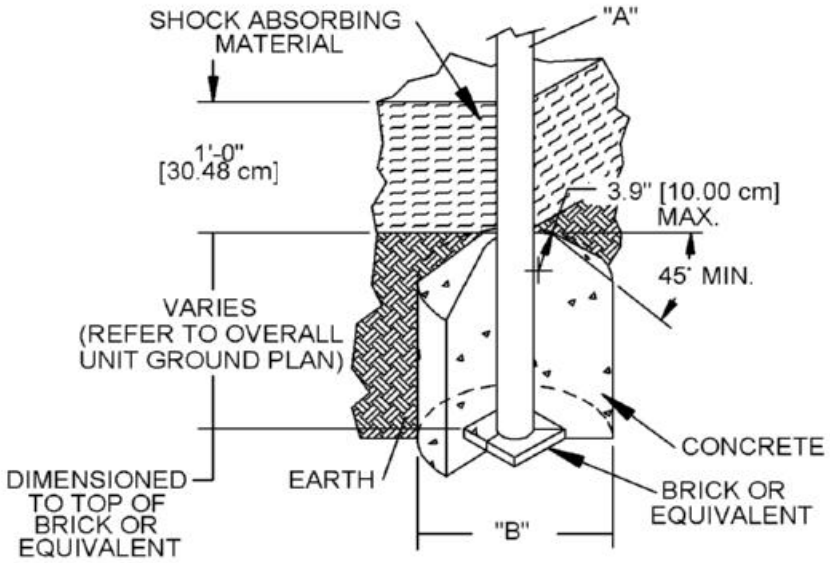
IMPORTANT

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.



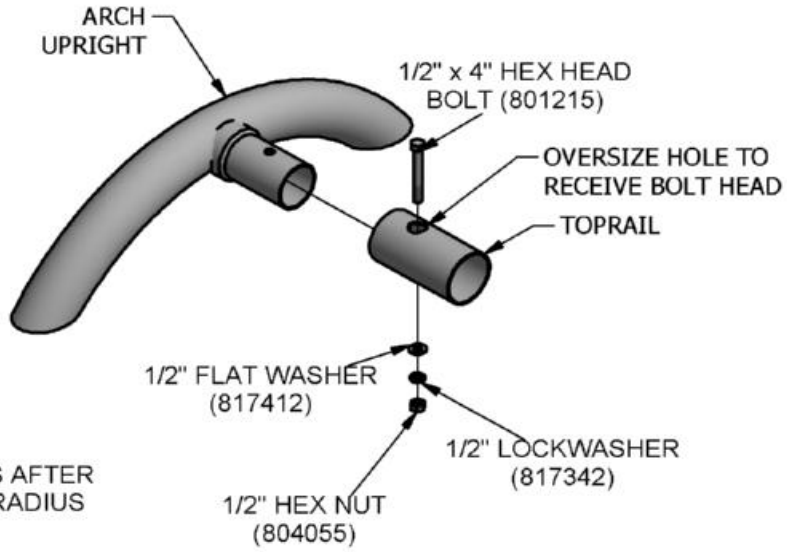




| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|---|---|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm]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

SuperMax Play Systems

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 71000 | 71001 | 71002 | PART NUMBER |
| DECK ADAPTER | 4 | 3 | 3 | 309921 |
| SQUARE DECK PLATFORM | 1 | 0 | 0 | 309922 |
| TRIANGLE DECK PLATFORM | 0 | 1 | 0 | 309928 |
| ISOSCELES TRIANGLE DECK PLATFORM | 0 | 0 | 1 | 309932 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 309927 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 1 | 309931 |
| 1/4" x 3/4" SET SCREW | 8 | 6 | 6 | 811545 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 812052 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 3 | 3 | 812051 |
| 3/8" LOCK WASHER | 6 | 5 | 5 | 817334 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 5 | 5 | 817424 |
| 3/8" T-NUT | 2 | 2 | 2 | 804556 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***INSTALLATION INSTRUCTIONS:***

1. Place Uprights in dug holes at appropriate height per Upright installation instructions. Get the height required for the deck from the Plan View Diagram. Use a felt-tip marker to mark the top of the Ring Clamp on all uprights.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

3. Attach Deck Adapters to the Ring Clamps using 1/4" x 3/4" set screw. Do not overly tighten set screws. Attach decks to the Deck Adapter using 3/8" x 1 1/4" P.B.H.C.S., 3/8" Flat Washer, and 3/8" Lock Washer as shown in Detail 447. Plumb and level uprights and brace in position.

4. Using a level, and holding one Ring Clamp as a constant, adjust the other clamps so that the deck is completely level. At this point, if you have more decks to attach, lay each succeeding deck on the ground against the previous deck's two posts, and mark the missing footings to be dug. Continue attaching decks in this manner. Tighten set screws after all decks are attached.

5. Attach side-by-side decks to one another using 3/8" x 3/4" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut as shown in Detail 061.

6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.

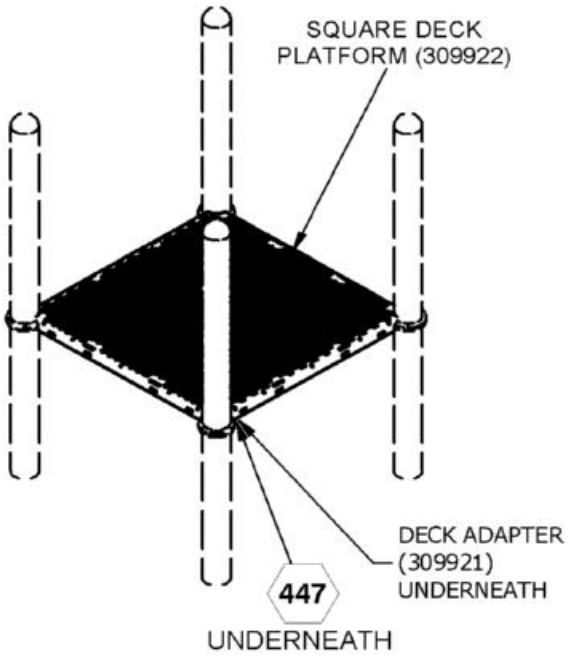
SuperMax Play Systems

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

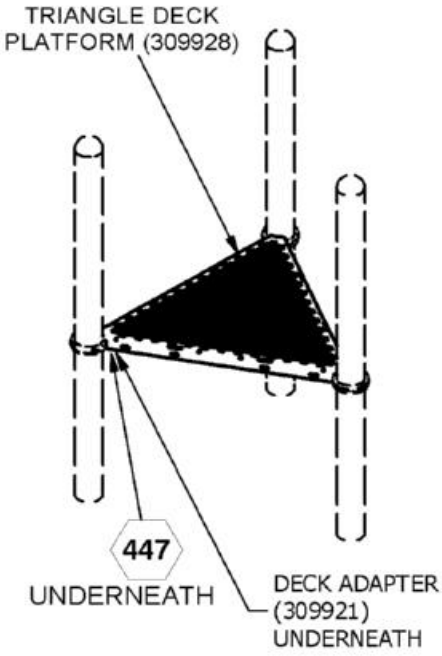
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

## ***MAINTENANCE PROCEDURE:***

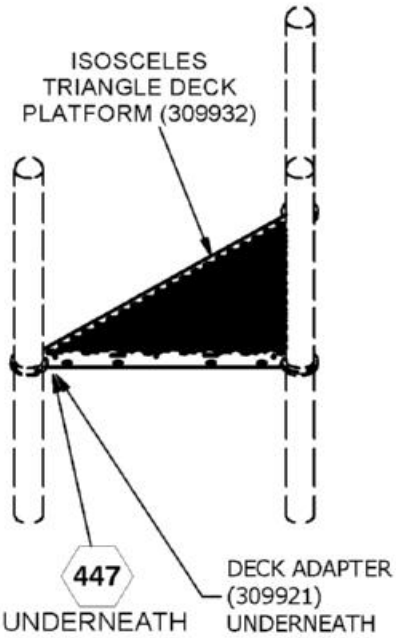
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.




***SQUARE DECK***




***TRIANGLE DECK***




***ISOSCELES TRIANGLE DECK***

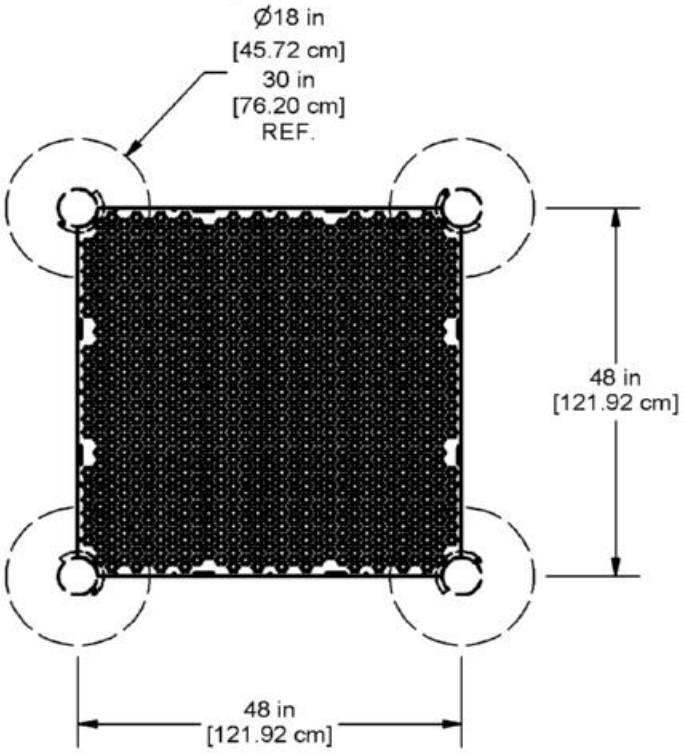
***FINISHED ASSEMBLY***

= INSTALLATION DETAIL

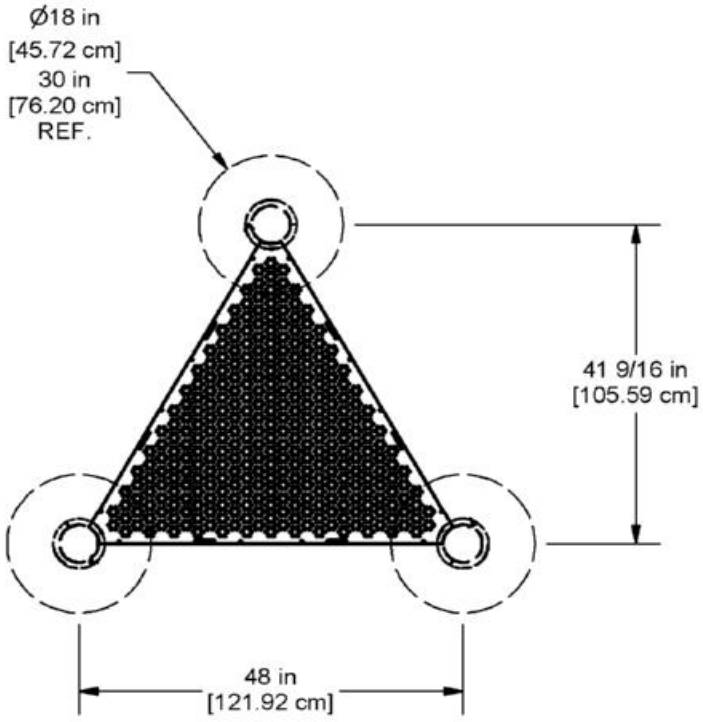
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/13/2012

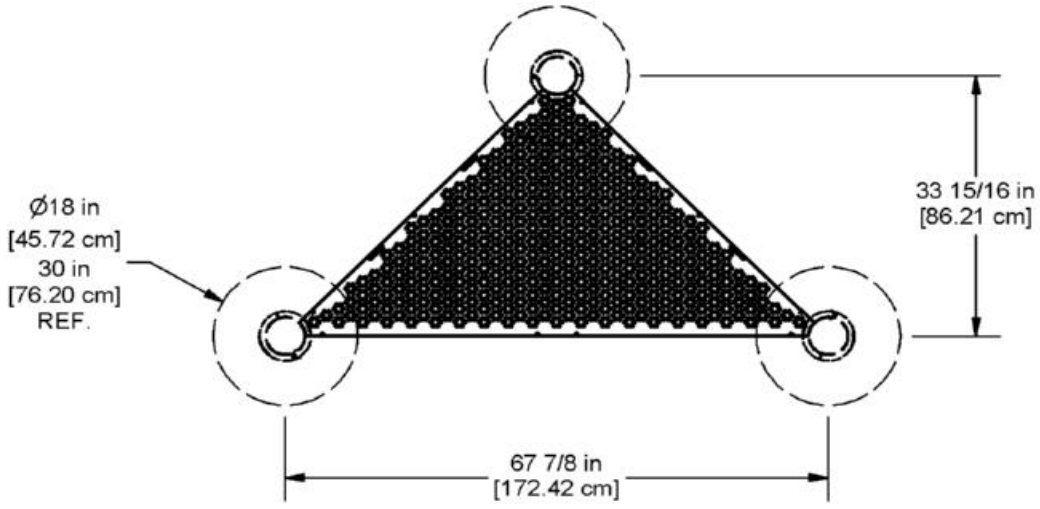
# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck




***SQUARE DECK***



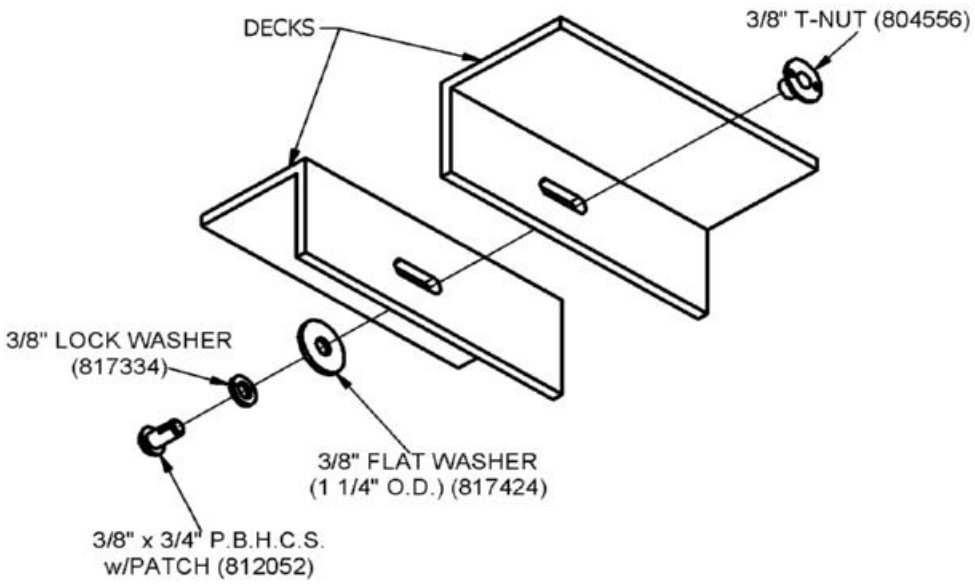

***TRIANGLE DECK***




***ISOSCELES TRIANGLE DECK***

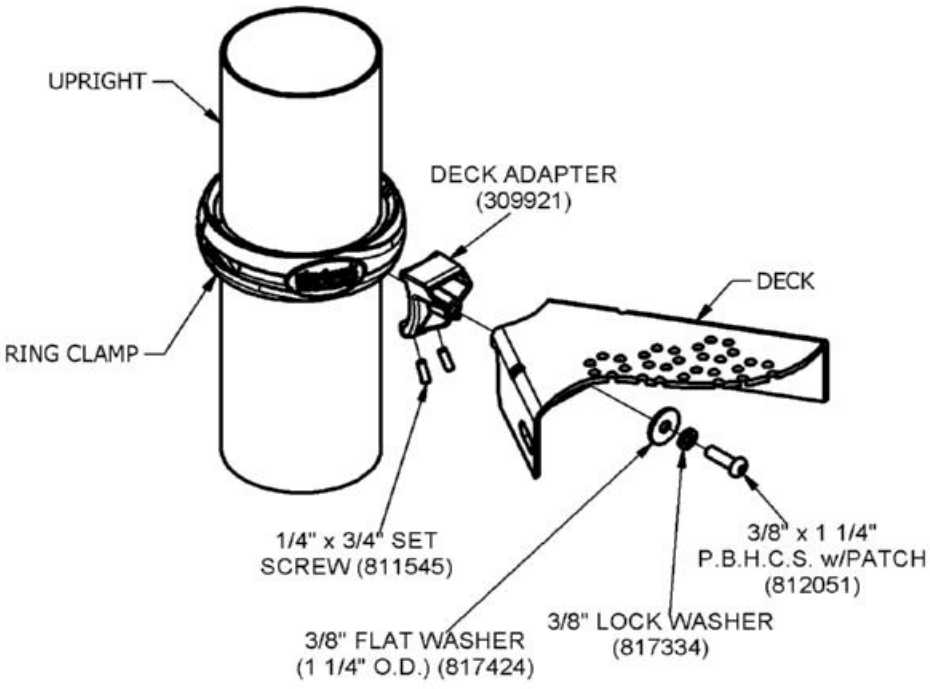
***PLAN VIEW***

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck




061

NOTE: DECK ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS




447

SuperMax Play Systems

# 71003 Semi-Hex Deck

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SEMI-HEX DECK | 1 | 309938 |
| DECK ADAPTER | 5 | 309921 |
| -----HARDWARE COMPLETE----- | 1 | 309942 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 9 | 817424 |
| 3/8" LOCKWASHER | 9 | 817334 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 5 | 812051 |
| 1/4" x 3/4" SET SCREW | 10 | 811545 |
| 3/8" T-Nut | 4 | 804556 |
| 3/8" x 3/4" P.B.H.C.S. w/Patch | 4 | 812052 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Place Uprights in dug holes at appropriate height per Upright installation instructions. Get the height required for the deck from the Plan View Diagram. Use a felt-tip marker to mark the top of the Ring Clamp on all uprights.

HINT: If this is the first deck of the structure, locate and concrete one upright only (preferably the most shared post, if this deck is part of a multi deck group), ensuring it is plumb and at the right height. After it has had a chance to set, place one corner of the deck against the post and mark the location of the adjacent post. Concrete the second post. Continue this procedure for all five posts while leaving the deck on the ground. The deck has been used as its own template, and the deck is now easily attached as its uprights are already in place.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

3. Attach Deck Adapters to the Ring Clamps using 1/4" x 3/4" set screw. Do not overly tighten set screws. Deck Adapters should still rotate on Ring Clamp. Attach Decks to the Deck Adapter using 3/8" x 1 1/4" P.B.H.C.S., 3/8" flatwasher and 3/8" lockwasher. Plumb and level uprights and brace in position.

4. Using a level, and holding one Ring Clamp as a constant, adjust the other four clamps so that the deck is completely level. At this point, if you have more decks to attach, lay each succeeding deck on the ground against the previous deck's two posts, and mark the missing footings to be dug. Continue attaching decks in this manner. Tighten set screws after all decks are attached.

5. Attach side-by-side decks to one another using 3/8" x 3/4" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut as shown in Detail 061.

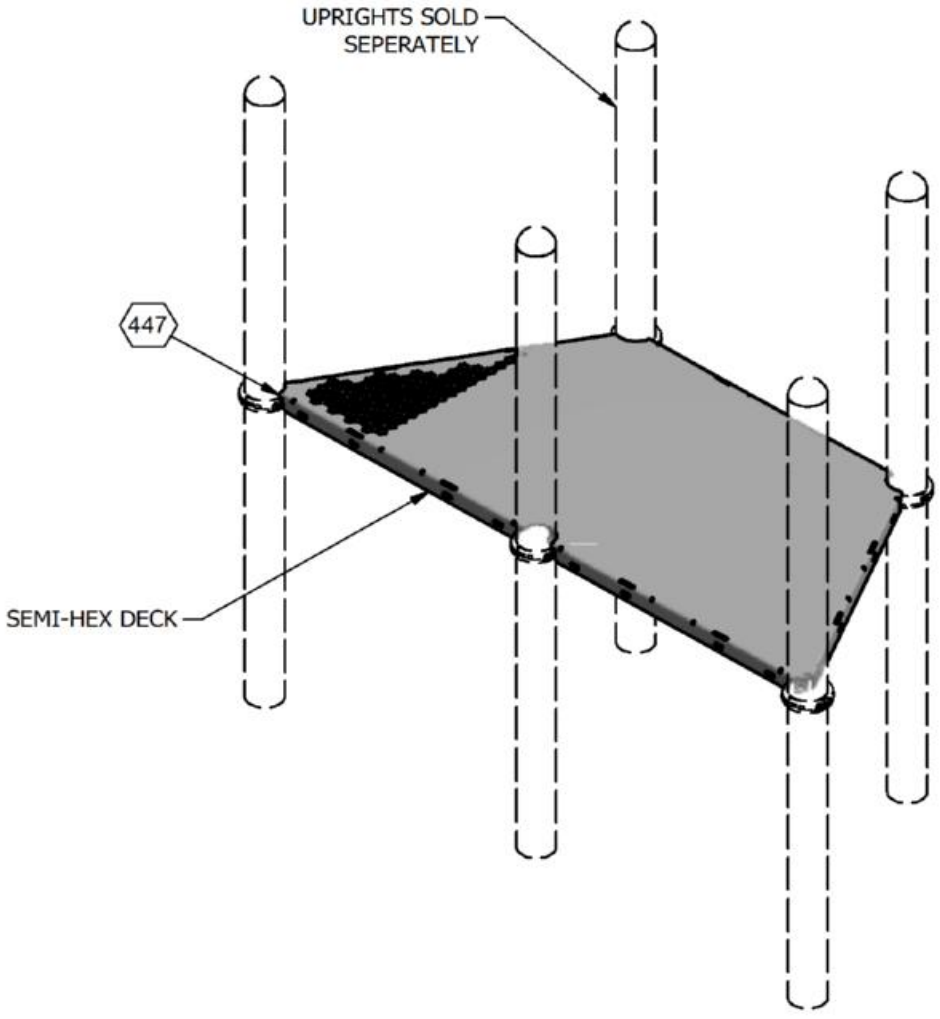
6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Deck Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***.

# 71003 Semi-Hex Deck

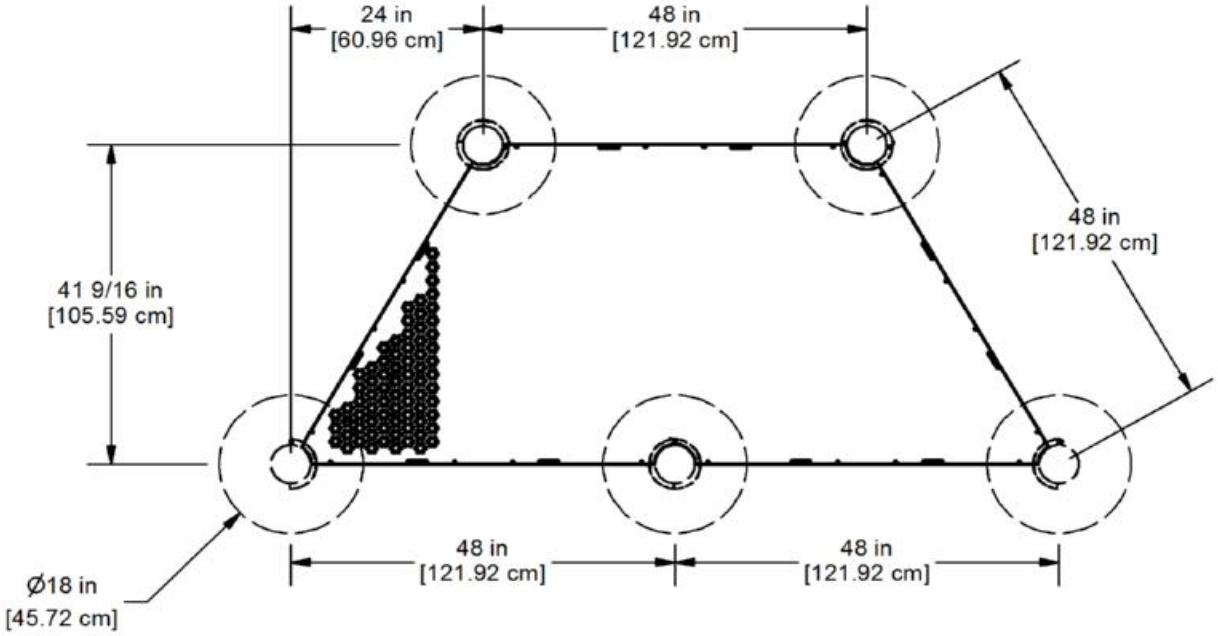
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***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 for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

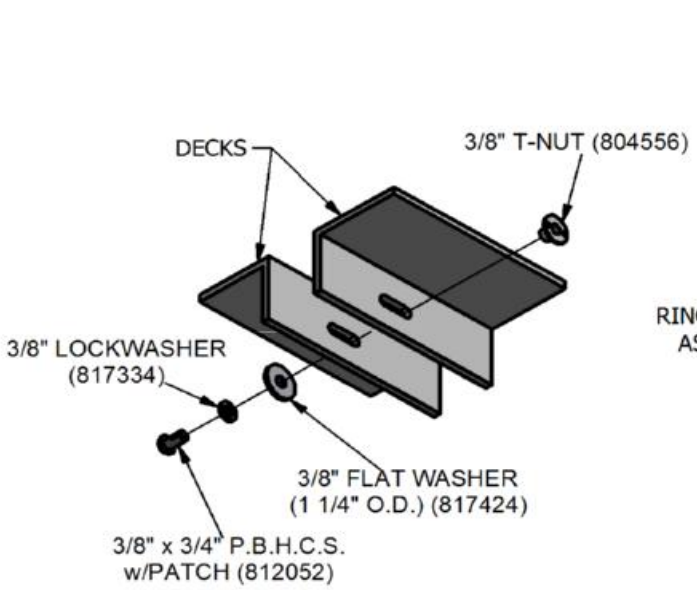



**FINISHED ASSEMBLY**

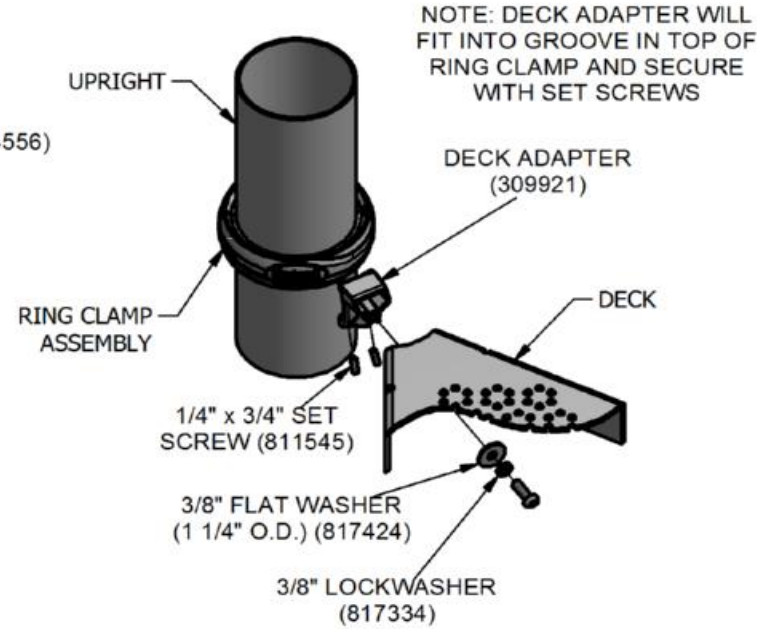
# 71003 Semi-Hex Deck



# 71003 Semi-Hex Deck




061




447

SuperMax Play Systems

# 71013 Metal Handhold Barrier

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | ENTRANCE BARRIER WALL | 1 | 309967 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 309969 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" LOCKWASHER | 2 | 817334 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" LOCK NUT | 4 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck to receive the Metal Handhold Barrier. Refer to your Top View drawing for location.

2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the Deck. Be careful not to expose the steel.

3. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Assembly.

4. Slip Pipe Adapters onto Handhold Barrier attachment pipes then hook Pipe Adapters onto Ring Clamp. Connect Pipe Adapter to Ring Clamp using 1/4" x 3/4" Set Screws as shown in Detail 448. Connect Handhold Barrier to Pipe Adapter using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

5. Attach Handhold Barrier to front of deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Lock Nut as shown in Detail 318.

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

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

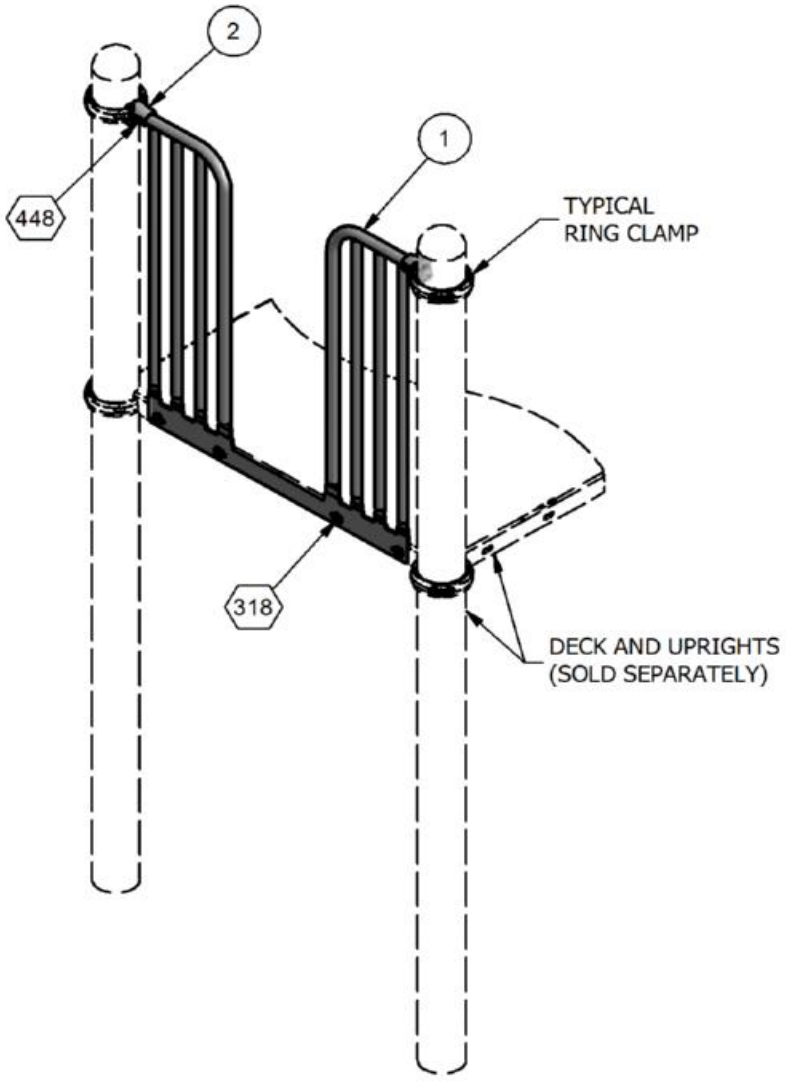
7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# 71013 Metal Handhold Barrier

Note: To cushion accidental falls by children, Park Structures strongly recommends that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

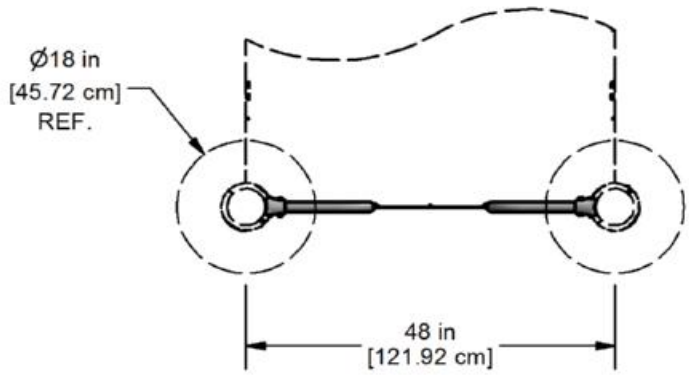
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.



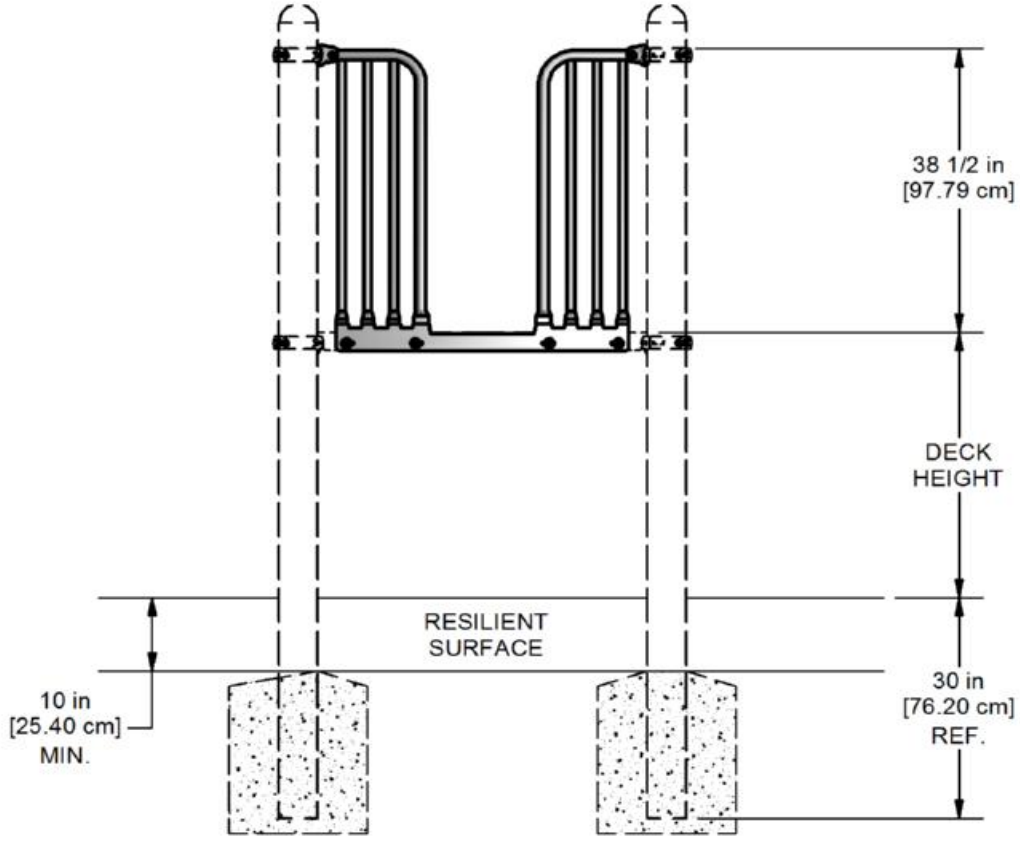

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71013 Metal Handhold Barrier

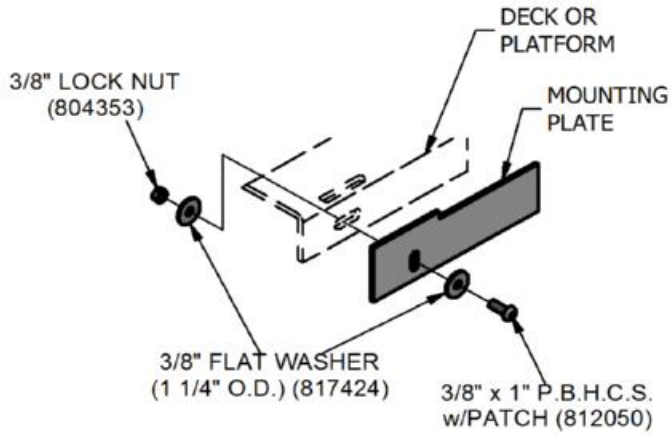



***PLAN VIEW***

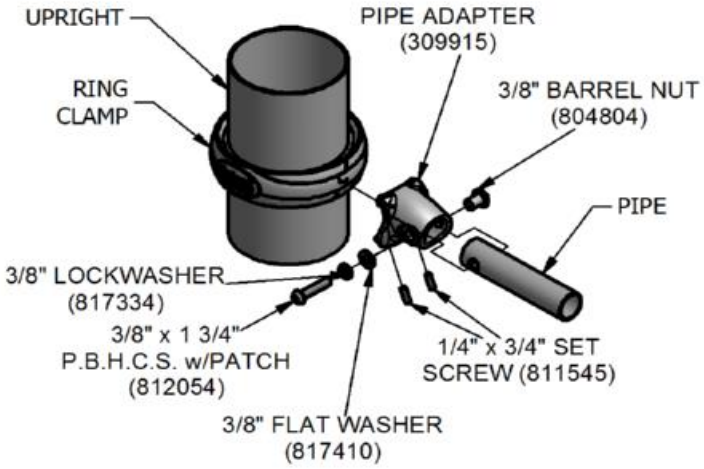



***ELEVATION VIEW***

# 71013 Metal Handhold Barrier




318




448

SuperMax Play Systems

# 71014 Pipe Wall

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | PIPE WALL | 1 | 309972 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 309974 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 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 | 2 | 812054 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| | 3/8" LOCK WASHER | 2 | 817334 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Pipe Wall, refer to your overhead drawing for location.

2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the deck. Be careful not to expose the steel.

3. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

4. Put Pipe Wall tabs into slots on deck. Slip Pipe Adapters over Pipe Wall attachment pipes, then hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Pipe Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

5. Attach tabs to deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flatwasher, and 3/8" Lock Nut as shown in Detail 026. After ensuring Pipe Wall is square and level, tighten all fasteners.

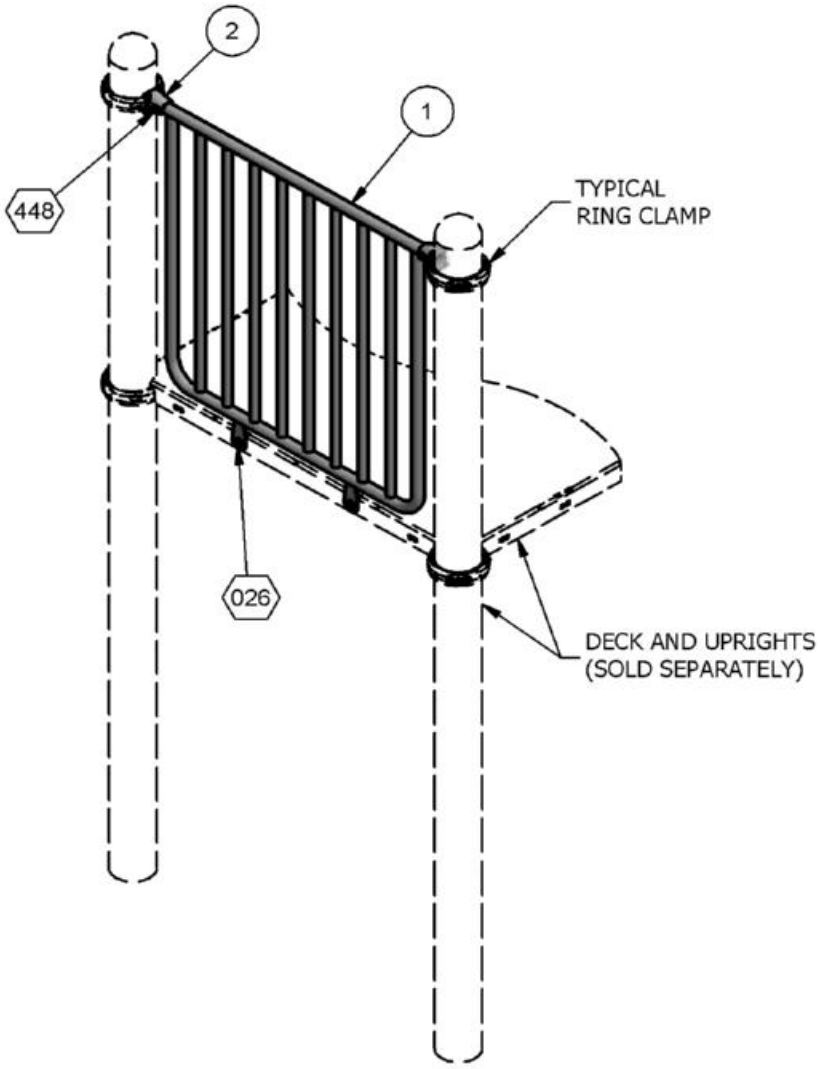
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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***. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# 71014 Pipe Wall

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

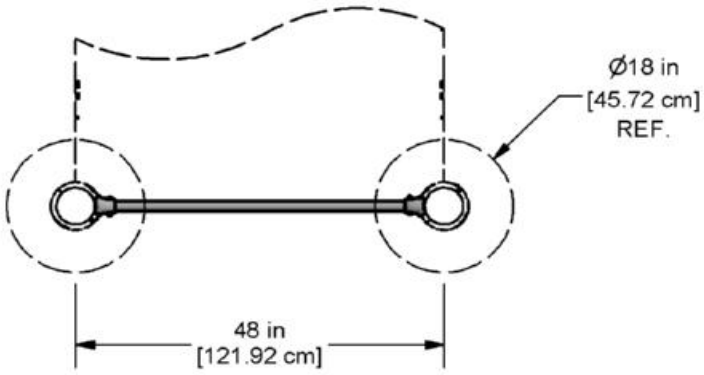
***MAINTENANCE PROCEDURE:***
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.



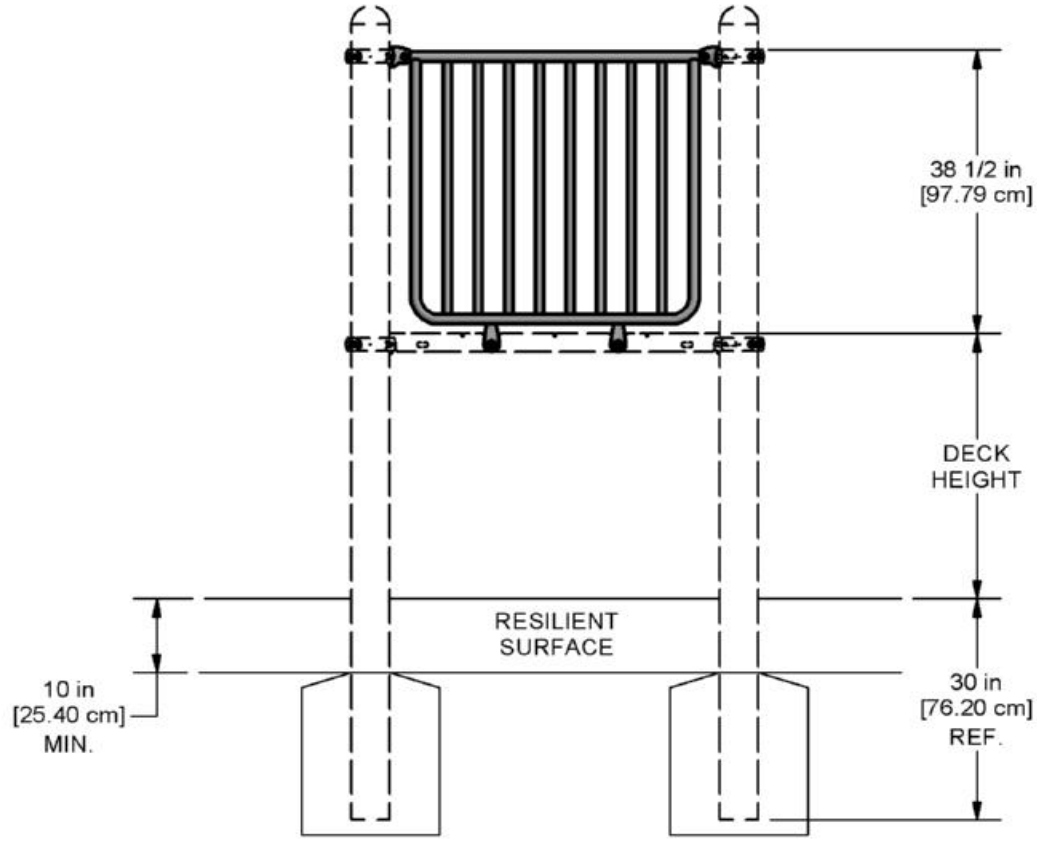

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71014 Pipe Wall

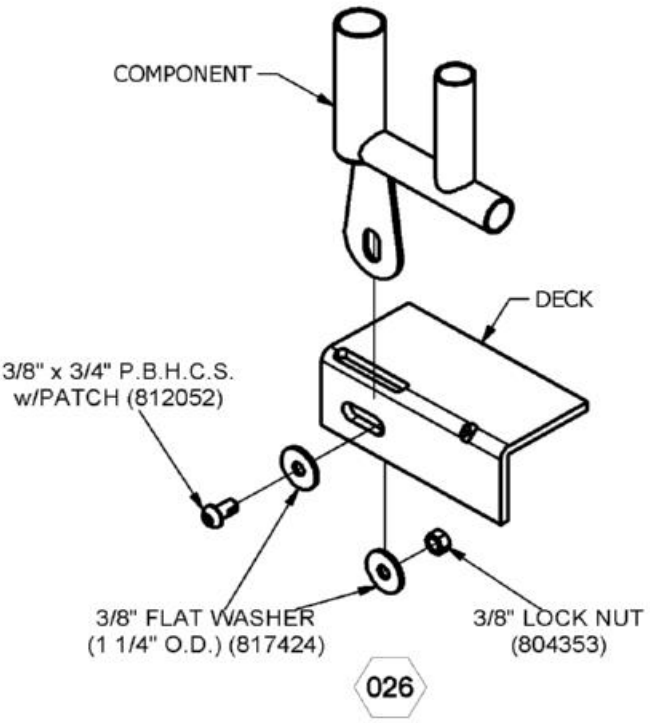


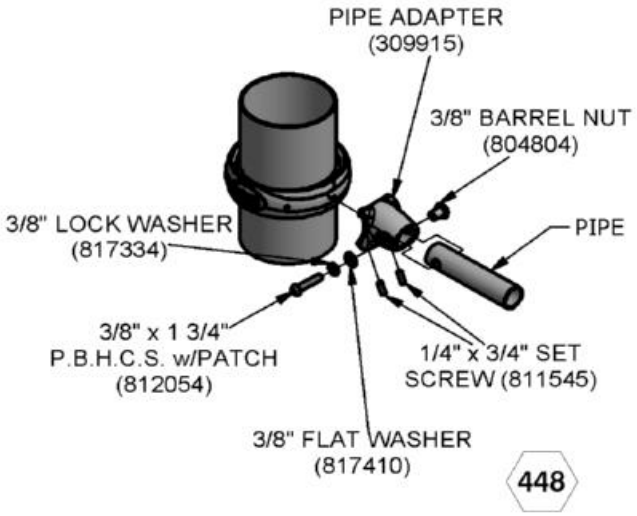

***PLAN VIEW***




***ELEVATION VIEW***

# 71014 Pipe Wall



SuperMax Play Systems

# 71019 Telescope Panel

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | PIPE WALL | 1 | 309972 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | TELESCOPE ASS'Y | 1 | 314712 |
| | TELESCOPE SWIVEL CASTING | 1 | 314703 |
| | TELESCOPE HALF CLAMP CASTING | 2 | 314705 |
| | -----HARDWARE COMPLETE----- | 1 | 314878 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 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 | 1 | 812050 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 1 | 812053 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054 |
| | 3/8" FLAT WASHER | 5 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| | 3/8" LOCK WASHER | 4 | 817334 |
| | 3/8" BARREL NUT | 4 | 804804 |
| | 3/8" LOCK NUT | 2 | 804353 |
| | 1/2" FLAT WASHER | 1 | 817412 |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302 |

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

***INSTALLATION INSTRUCTIONS:***

1. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.
2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the deck. Be careful not to expose the steel.
3. Put Pipe Wall tabs into slots on deck. Slip Pipe Adapters over Pipe Wall attachment pipes, then hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Pipe Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.
4. Attach tabs to deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flatwasher, and 3/8" Lock Nut as shown in Detail 026. After ensuring Pipe Wall is square and level, tighten all fasteners.
5. Attach Telescope to Pipe Wall as shown in Detail 959.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

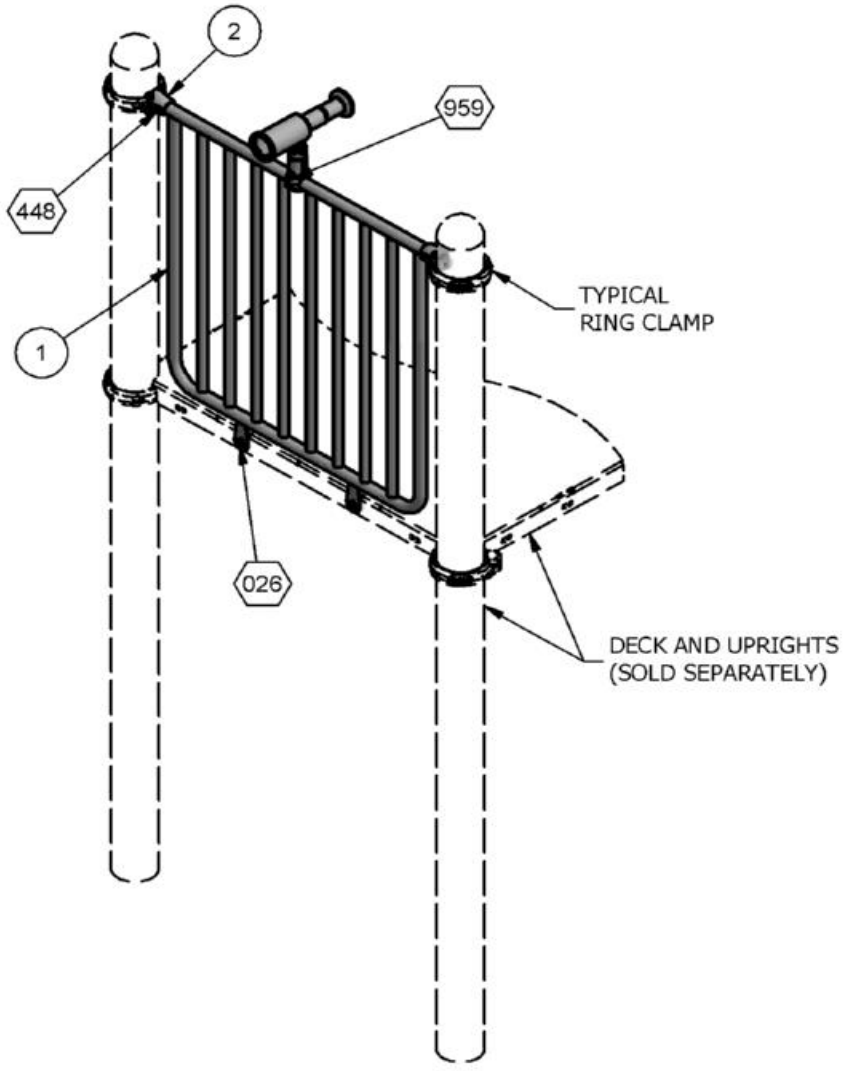
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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***. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

# 71019 Telescope Panel

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

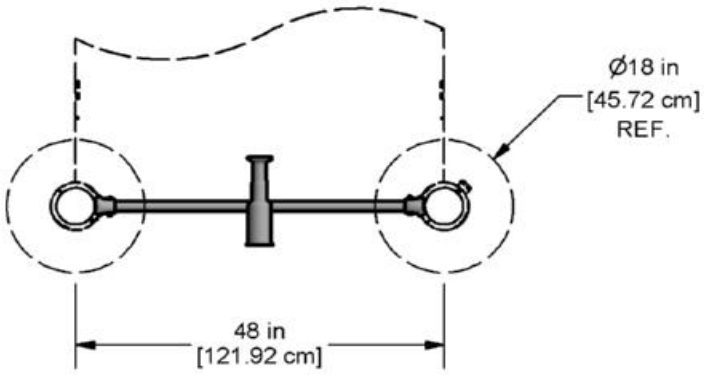
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.



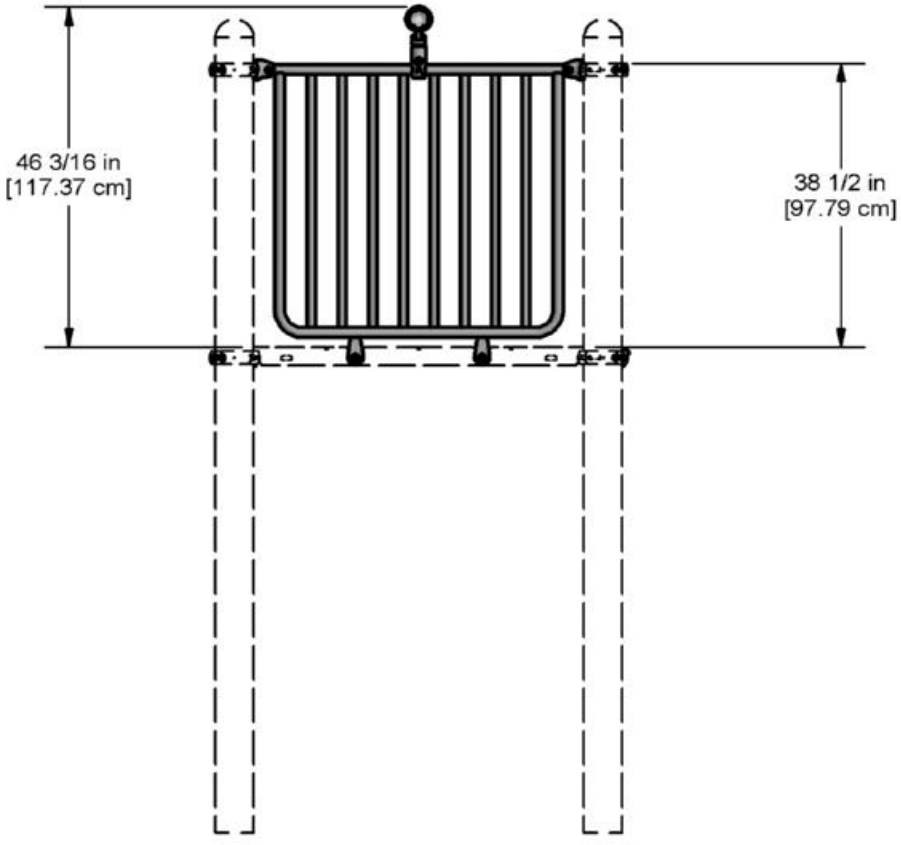

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71019 Telescope Panel

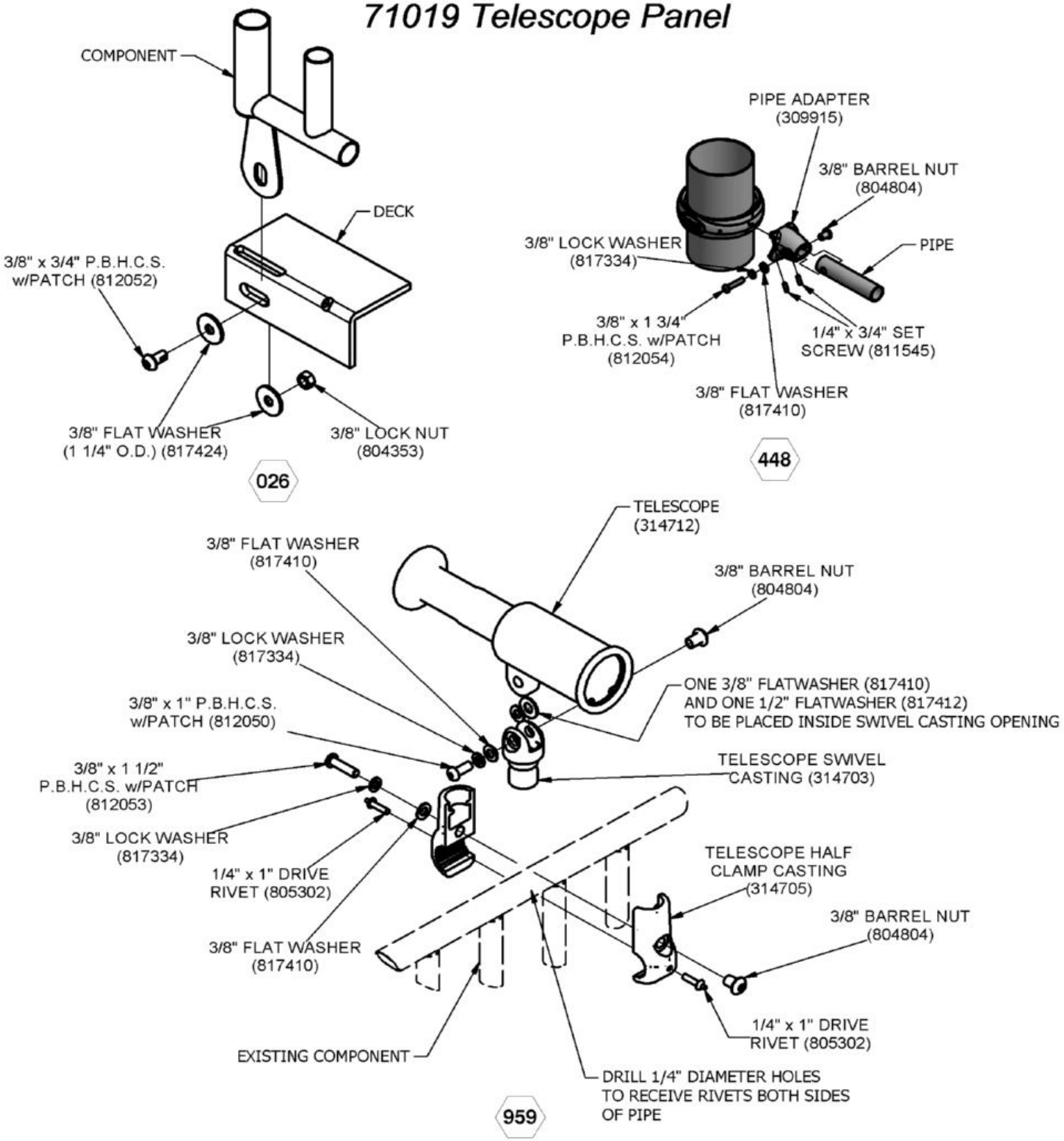



***PLAN VIEW***




***ELEVATION VIEW***

# 71019 Telescope Panel




Issued/Revised: 3/10/2023

SuperMax Play Systems

# Button Climb 71023 (1'-4"); 71024 (2'-0"); 71025 (2'-8"); 71026 (3'-4")

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 71023 | 71024 | 71025 | 71026 | PART NUMBER |
| PIPE ADAPTER | 2 | 2 | 2 | 2 | 309915 |
| ENTRY ARCHWAY | 1 | 1 | 1 | 1 | 309984 |
| BUTTON STEP | 1 | 2 | 3 | 3 | 315509 |
| FOOTBUCK 10" | 1 | 1 | 1 | 1 | 316196 |
| FOOTBUCK 20" | 0 | 1 | 1 | 1 | 316200 |
| FOOTBUCK 30" | 0 | 0 | 1 | 1 | 316203 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 309987 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 309988 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 1 | 309989 |
| 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 4 | 811545 |
| 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 | 4 | 8 | 12 | 12 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 812054 |
| 3/8" LOCK WASHER | 6 | 10 | 14 | 14 | 817334 |
| 3/8" FLAT WASHER | 6 | 10 | 14 | 14 | 817410 |
| 3/8" FLAT WASHER (1 1/4" OD) | 4 | 4 | 4 | 4 | 817424 |
| 3/8" BARREL NUT | 2 | 2 | 2 | 2 | 804804 |
| 3/8" LOCK NUT | 2 | 2 | 2 | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Locate the deck opening to receive the Button Climb. See Top View for location.
2. Dig required holes. See Elevation and Plan Views for correct location and size.
3. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the Deck. Be careful not to expose the steel.
4. Loosely attach all Ring Clamps to the uprights. Refer to the separate Ring Clamp Installation Sheet.
5. Put Entry Archway tabs into slots on deck. Slip Pipe Adapters over Entry Archway attachment pipes, then hook Pipe Adapters onto Ring Clamps. See Detail 448.
6. Attach Pipe Adapter to Entry Archway. See Detail 448.
7. Attach tabs to deck. See Detail 026. After ensuring Entry Archway is square and level, tighten all fasteners.
8. Attach Button Step to Mounting Post. See Detail 1160.
9. Tighten all connections. Plumb and level the Button Step and pour concrete footings within 4" to the top and taper away from posts for water drainage. ***Note: Allow the concrete to set at least 72 hours before use. Note: it may be necessary to temporary brace Button Steps until concrete cures.***

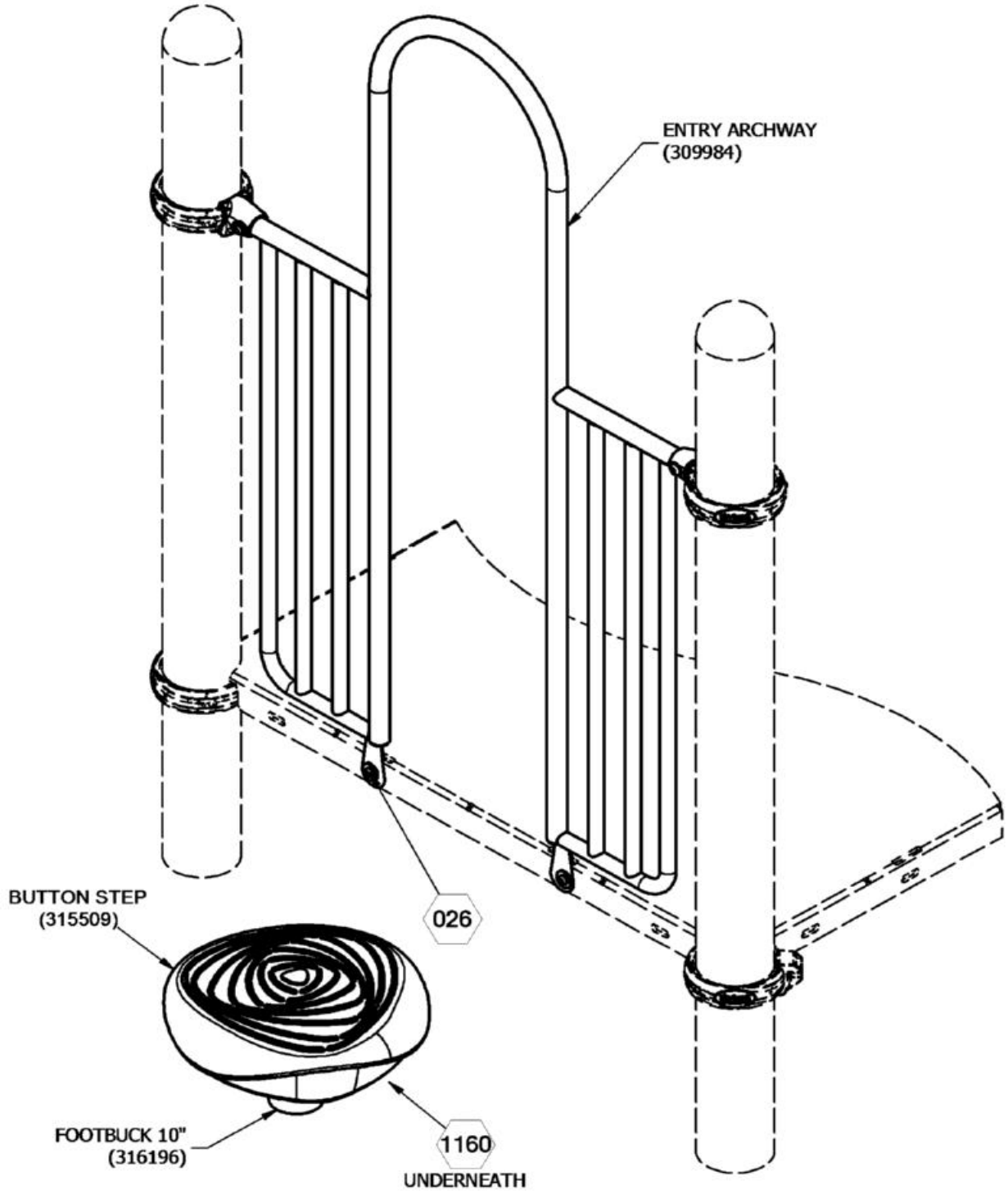
# Button Climb 71023 (1'-4"); 71024 (2'-0"); 71025 (2'-8"); 71026 (3'-4")

10. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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*.

## ***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. Also 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.

# Button Climb 71023 (1'-4")



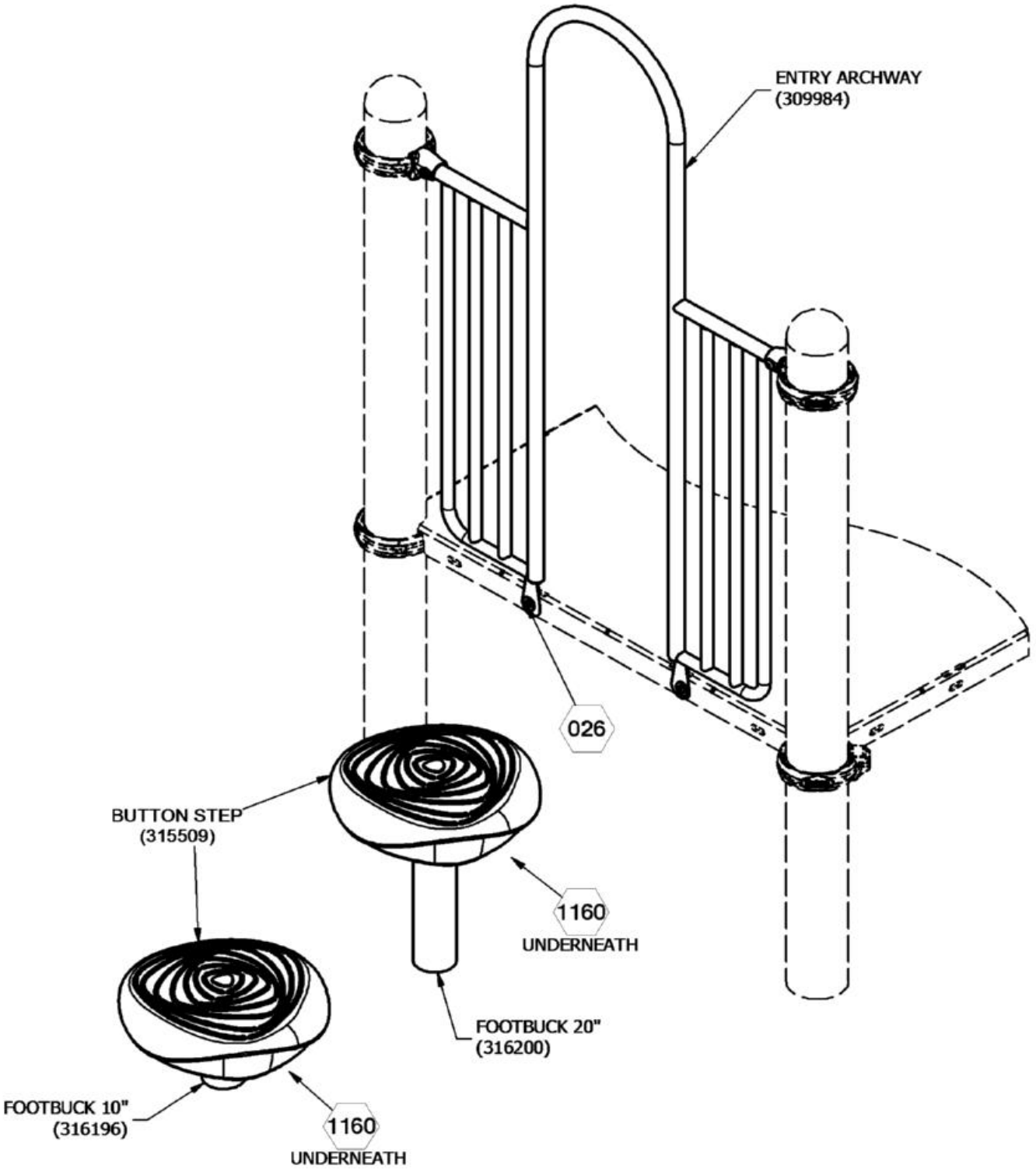

⬡ = INSTALLATION DETAIL

Issued/Revised: 3/13/2023

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# Button Climb 71024 (2'-0")



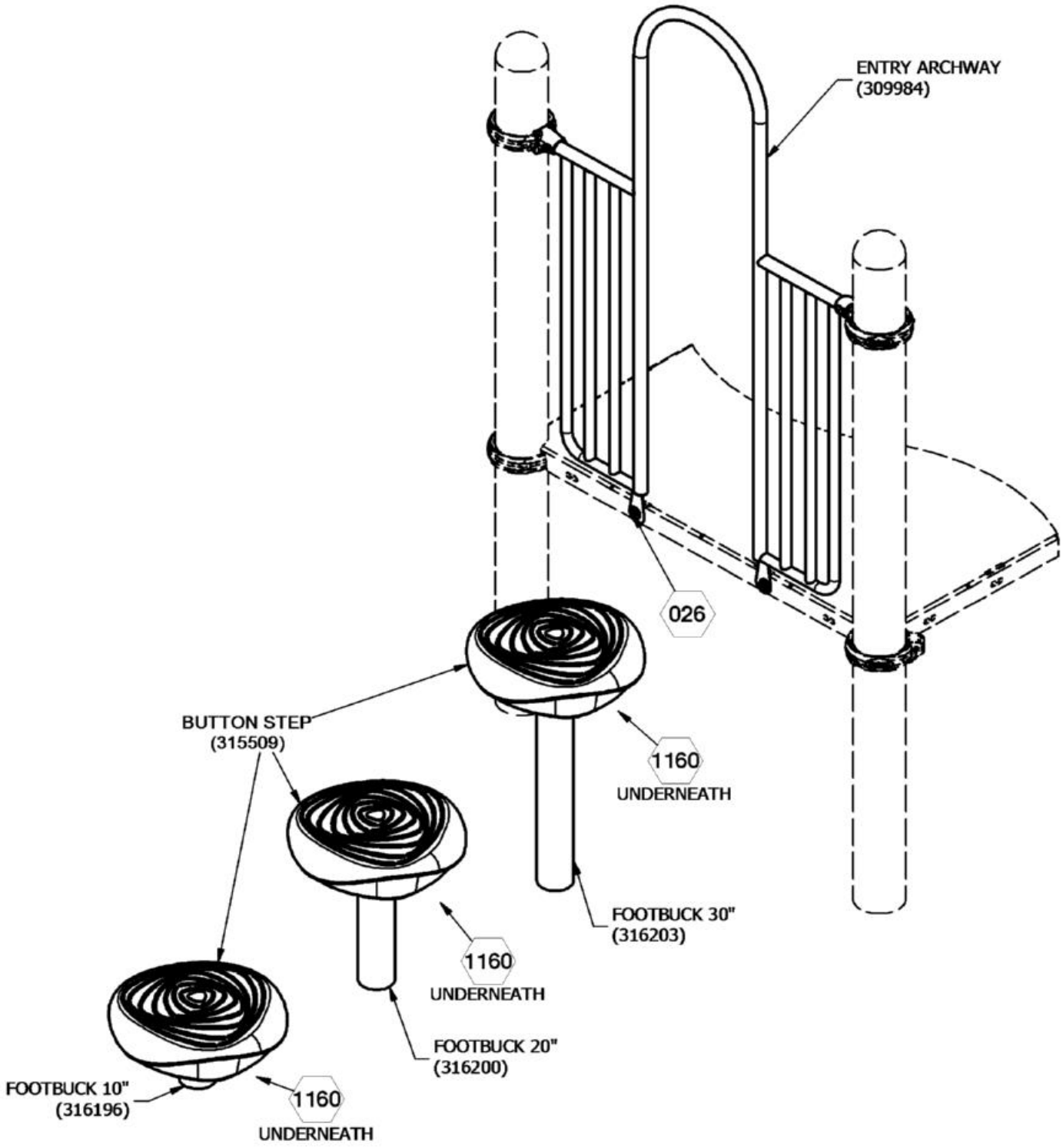

⬡ = INSTALLATION DETAIL

Issued/Revised: 3/13/2023

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# Button Climb 71025 (2'-8")



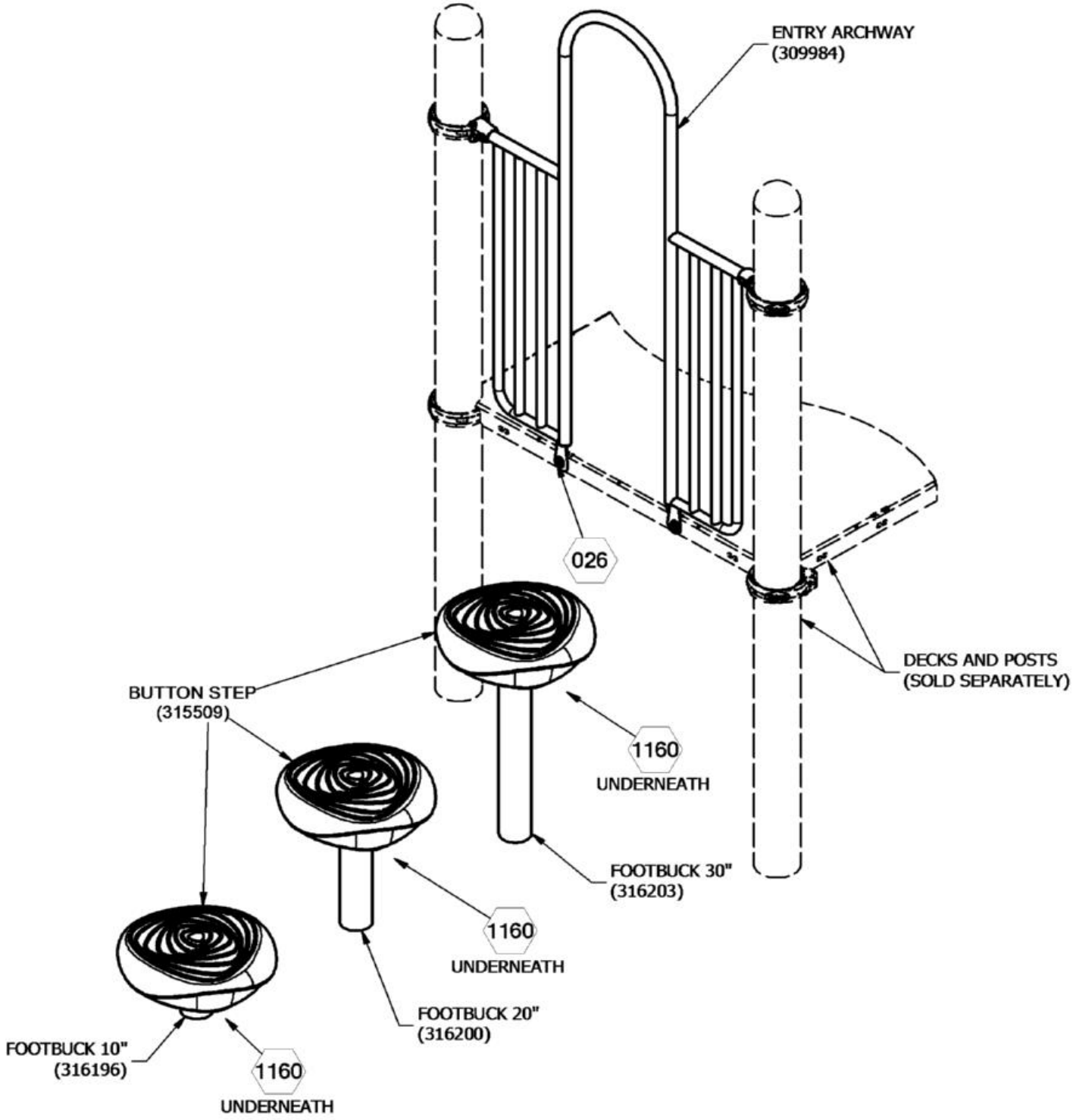

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 3/13/2023

***FINISHED ASSEMBLY***

# Button Climb 71026 (3'-4")




⬡ = INSTALLATION DETAIL

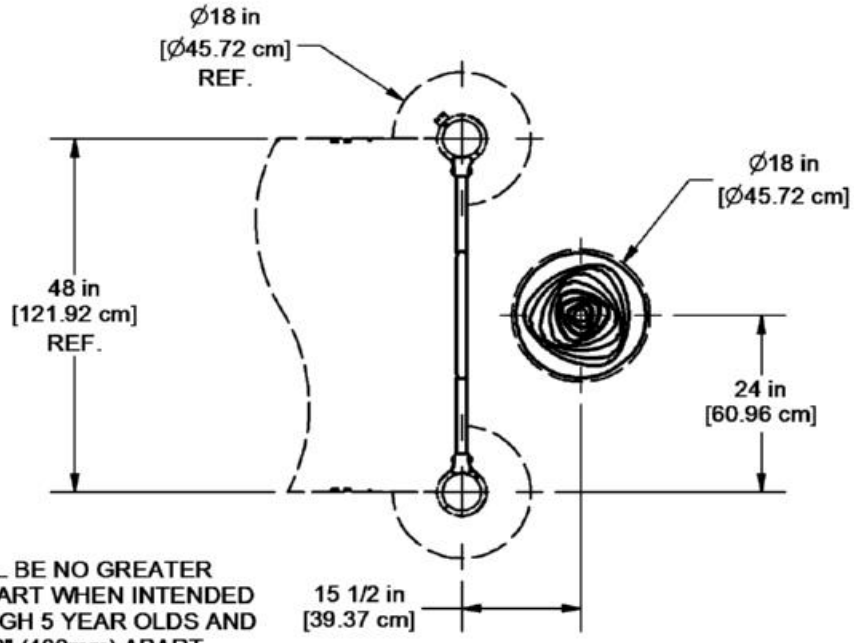
Issued/Revised: 3/13/2023

***FINISHED ASSEMBLY***

*71026 SHOWN*

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

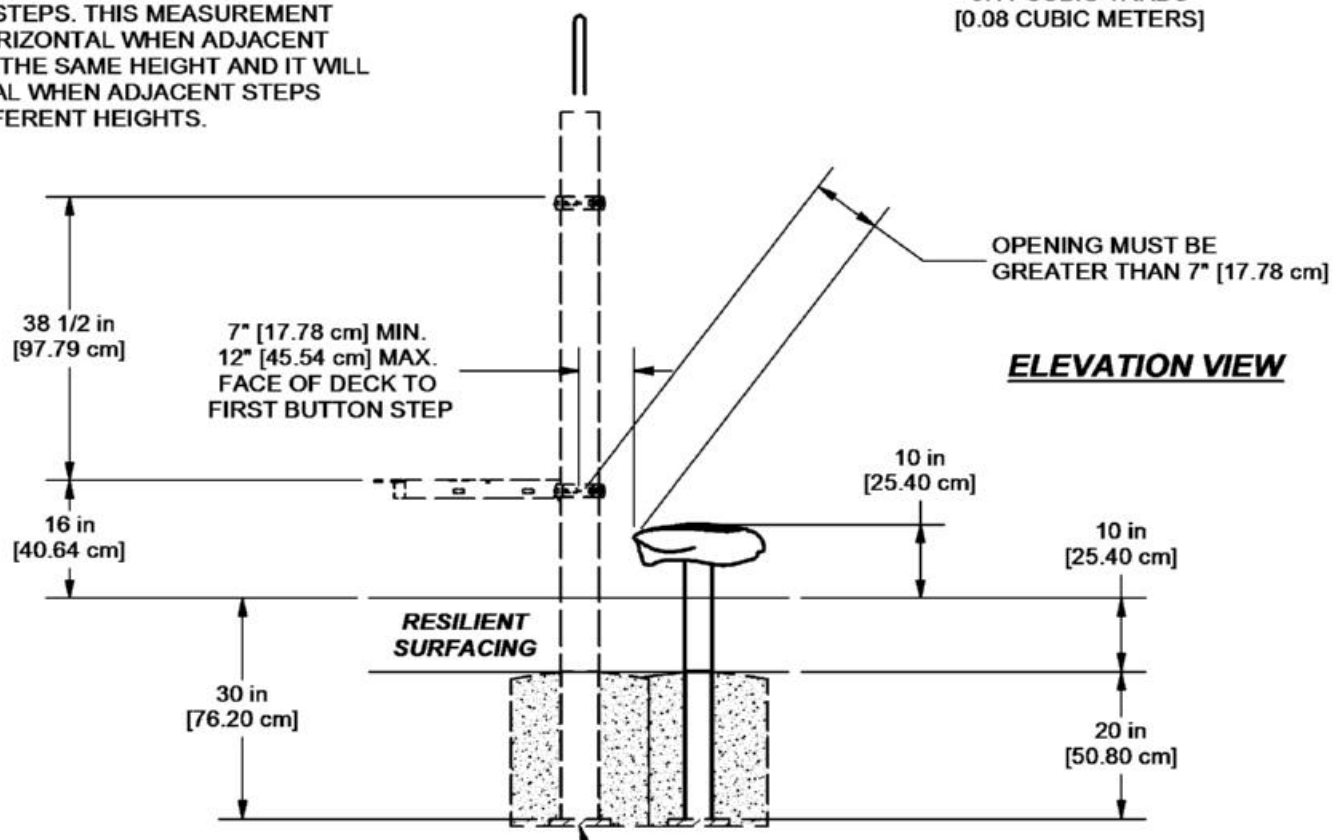
# Button Climb 71023 (1'-4")




***PLAN VIEW***

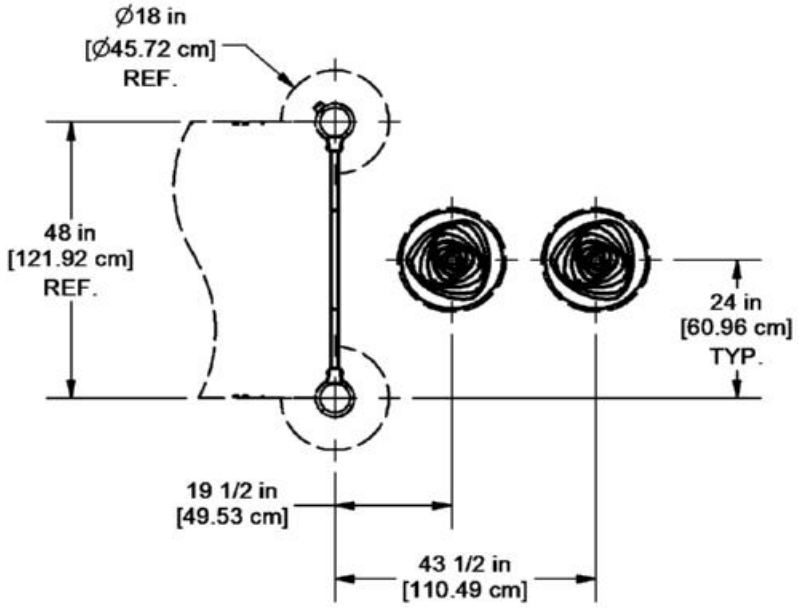
BUTTON STEPS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT STEPS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN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

CONCRETE REQUIRED
0.11 CUBIC YARDS
[0.08 CUBIC METERS]




***ELEVATION VIEW***

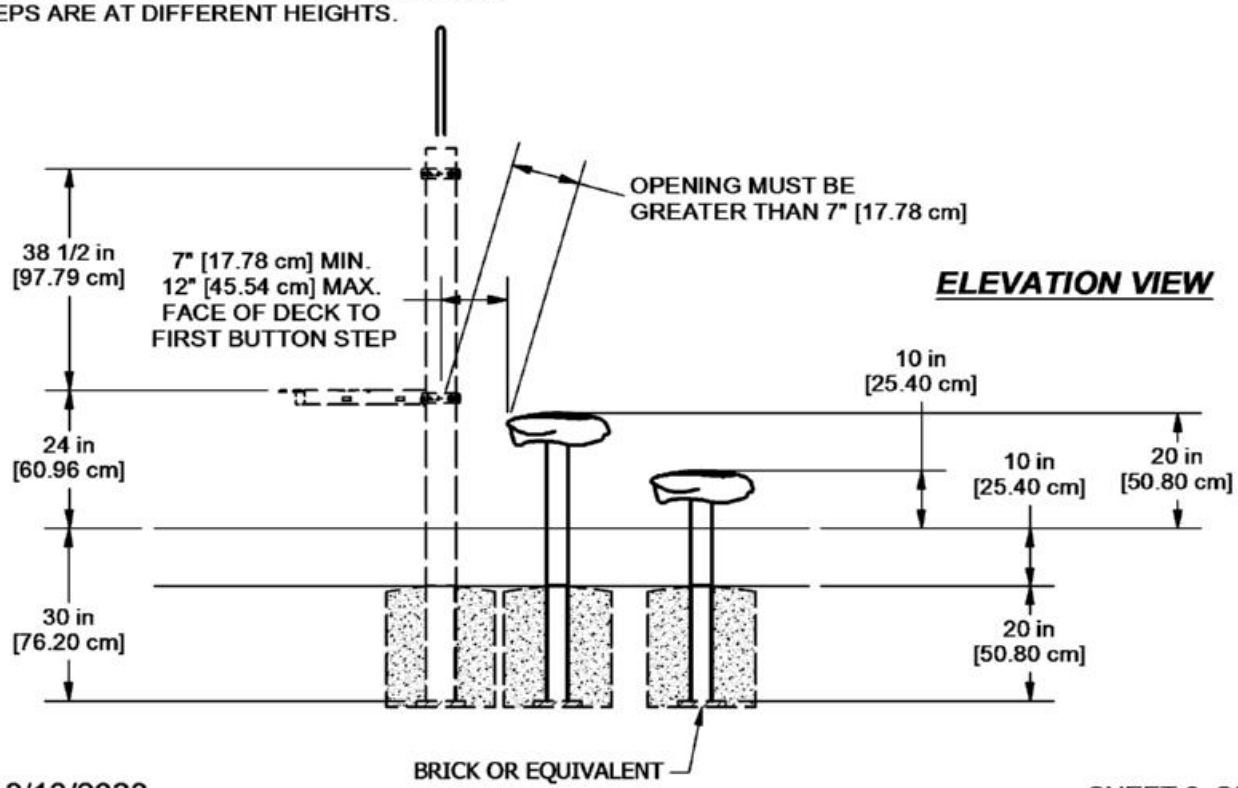
# Button Climb 71024 (2'-0")




**PLAN VIEW**

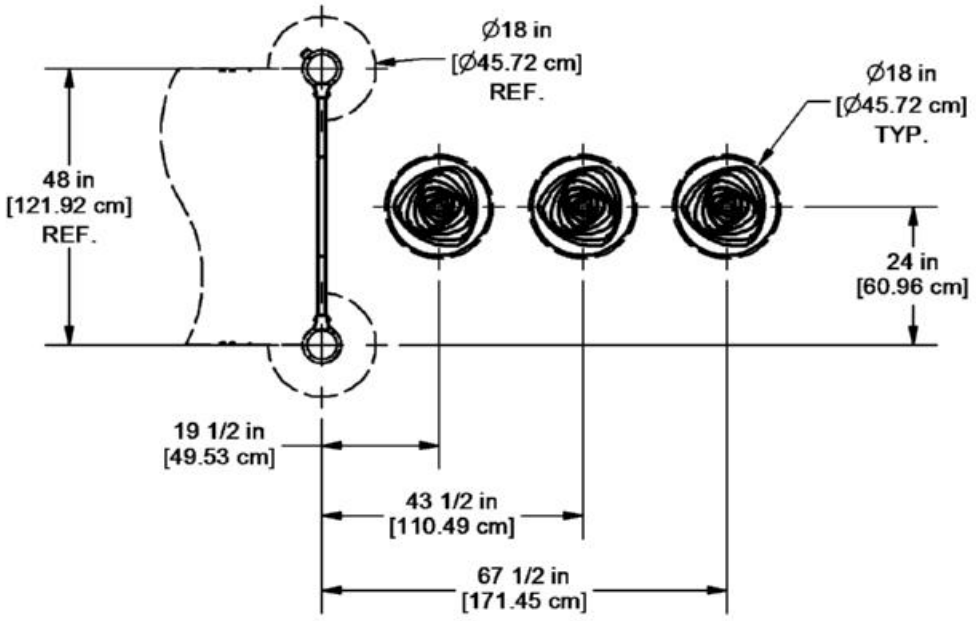
BUTTON STEPS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT STEPS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN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

CONCRETE REQUIRED
0.22 CUBIC YARDS
[0.16 CUBIC METERS]




**ELEVATION VIEW**

# Button Climb 71025 (2'-8")

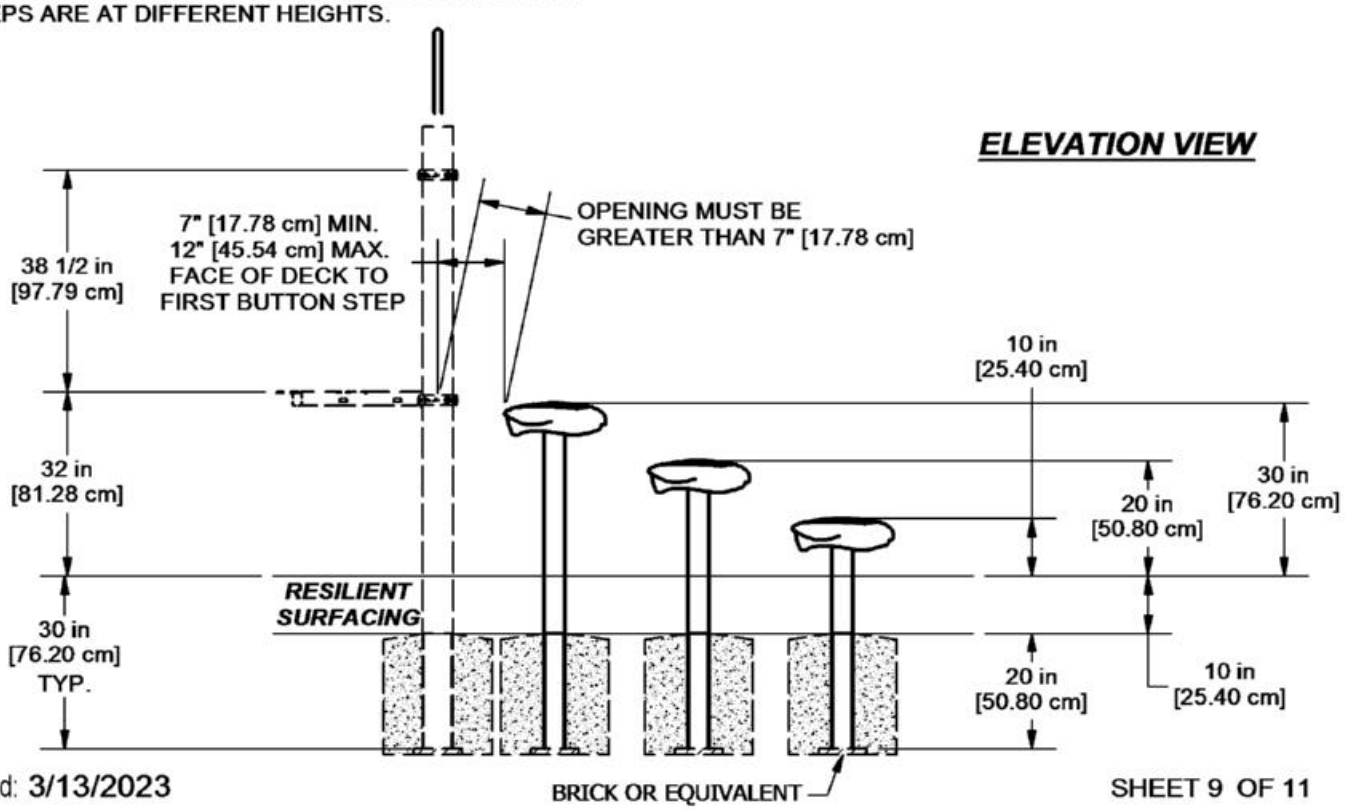



**PLAN VIEW**

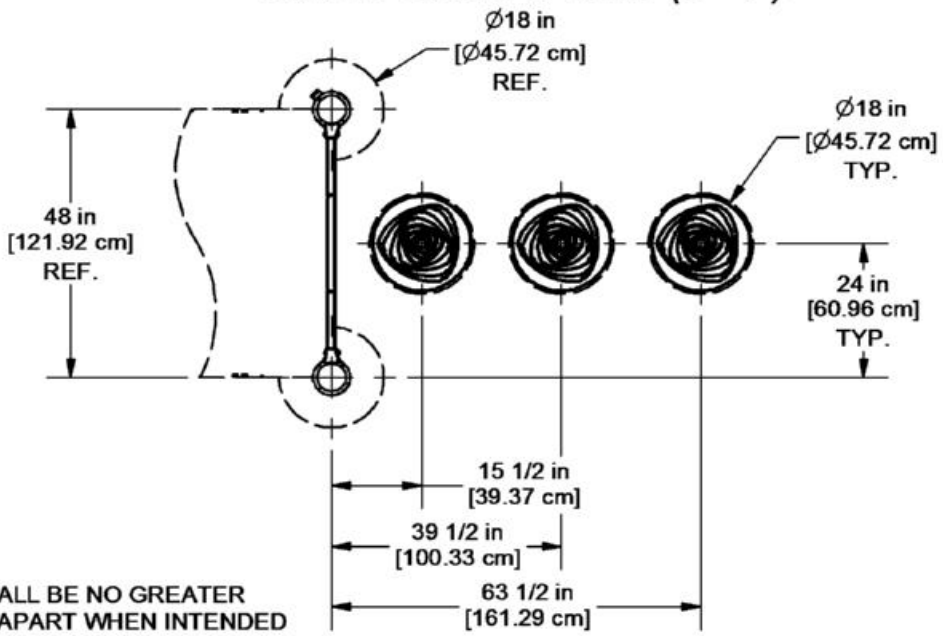
BUTTON STEPS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT STEPS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN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

CONCRETE REQUIRED
0.33 CUBIC YARDS
[0.24 CUBIC METERS]

**ELEVATION VIEW**



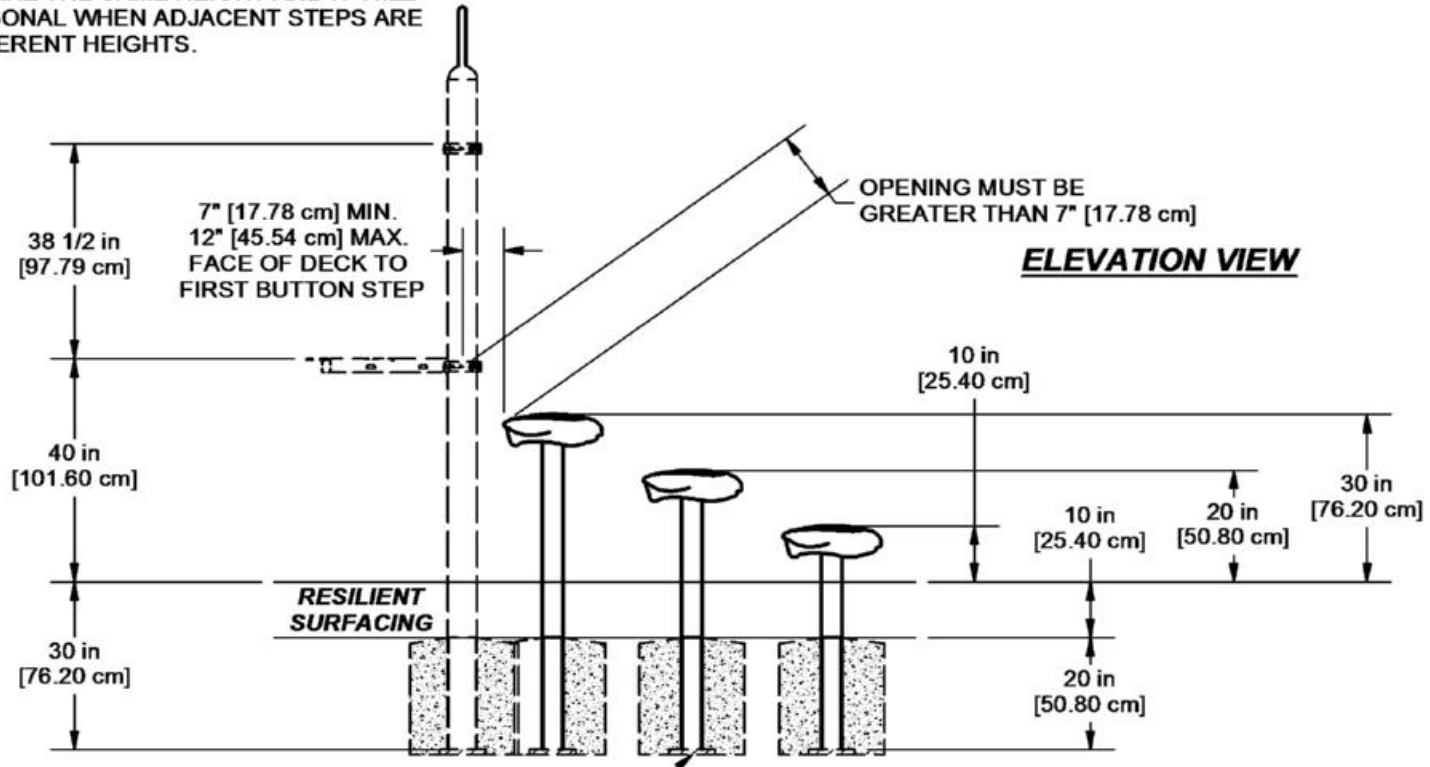
# Button Climb 71026 (3'-4")



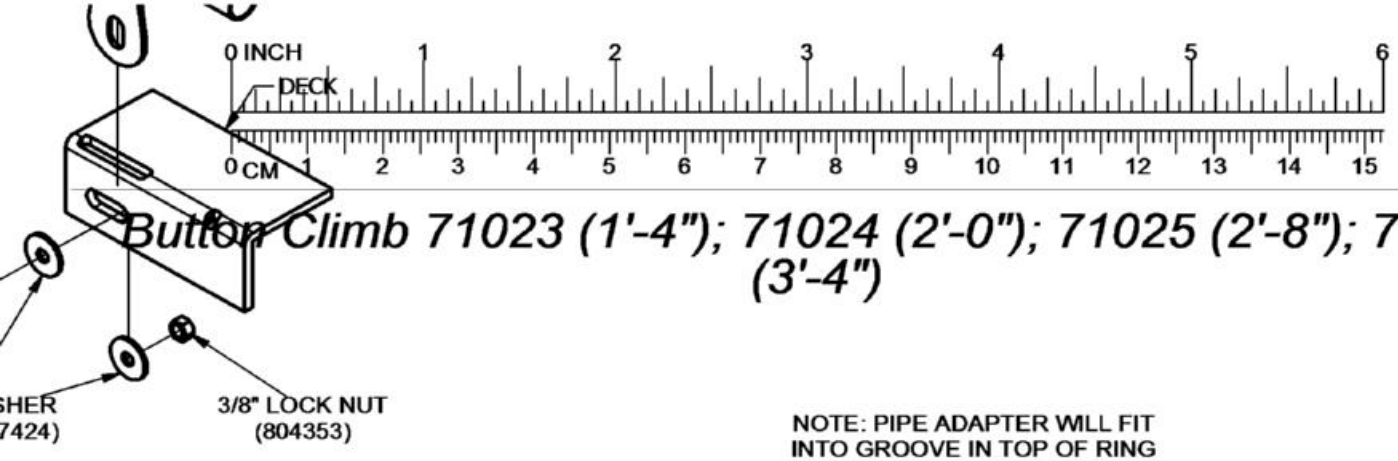

***PLAN VIEW***

BUTTON STEPS 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 STEPS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT STEPS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT STEPS ARE AT DIFFERENT HEIGHTS.

CONCRETE REQUIRED
0.33 CUBIC YARDS
[0.24 CUBIC METERS]

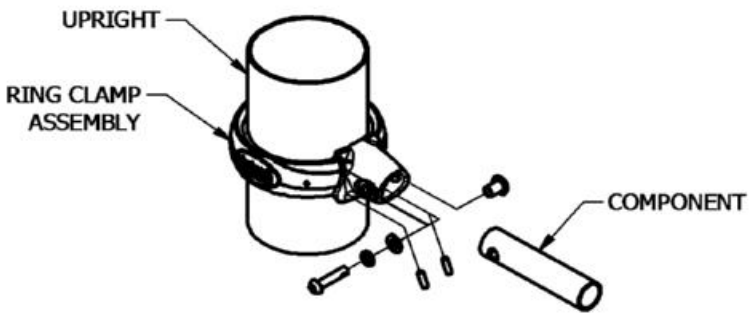



***ELEVATION VIEW***



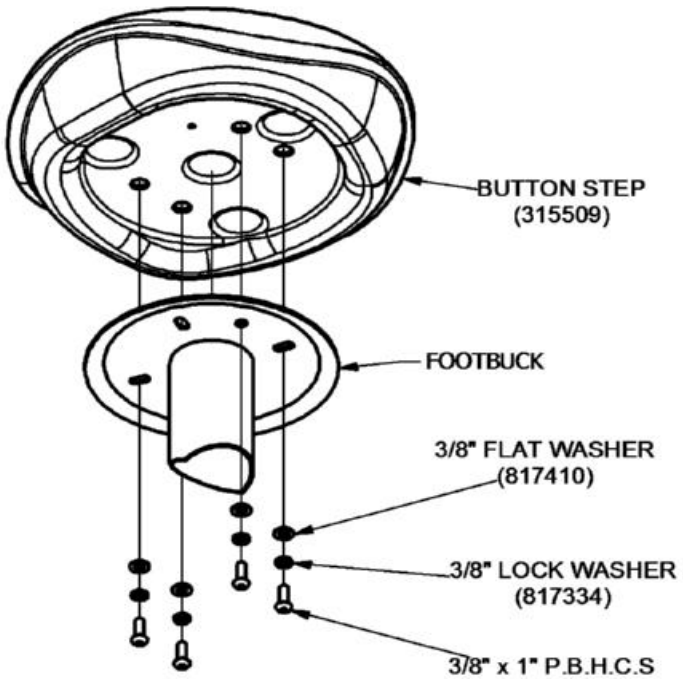

# Button Climb 71023 (1'-4"); 71024 (2'-0"); 71025 (2'-8"); 71026 (3'-4")

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS




448

026




1160

SuperMax Play Systems

# 71031 RING CLAMP ASSEMBLY

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| RING CLAMP | 1 | 309911 |
| ***HARDWARE COMPLETE*** | 1 | 309998 |
| 1/4" x 1" DRIVE RIVET | 1 | 805302* |
| 1/4" x 1 1/4" P.B.H.C.S. | 1 | 812083* |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Locate uprights to receive Ring Clamp Assemblies (Refer to individual component installation sheets for clamp heights).

2. Attach Ring Clamp to upright using 1/4" x 1 1/4" PBHCS. Tighten screw only enough to hold the clamps position on the upright. Adjustment may be neccasary. See Detail 452.
**IMPORTANT:** Orientation of bolt is critical.

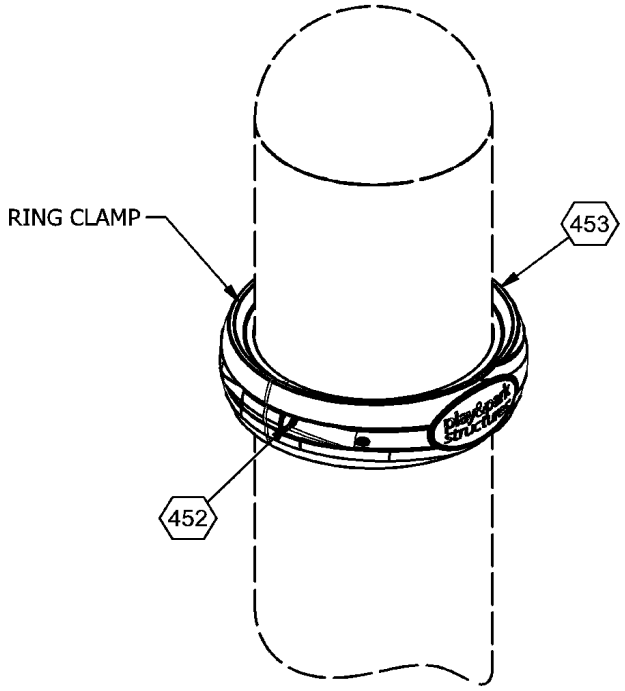
3. Install required components to the attaching to the Ring Clamp. See Top View and Seperate component installation sheets.

4. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. A 1/4" diameter hole must be drilled into the clamp and upright to receive drive rivet. Use Pre-determined drill points on ring clamp. See Detail 453. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp 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*.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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

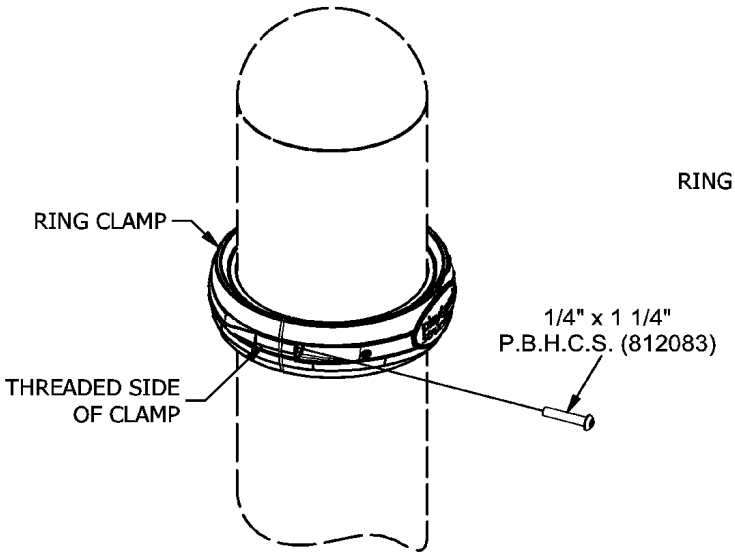
UPRIGHT AND CAP
SOLD SEPERATELY




***FINISHED ASSEMBLY***

⬡ = INSTALLATION DETAIL

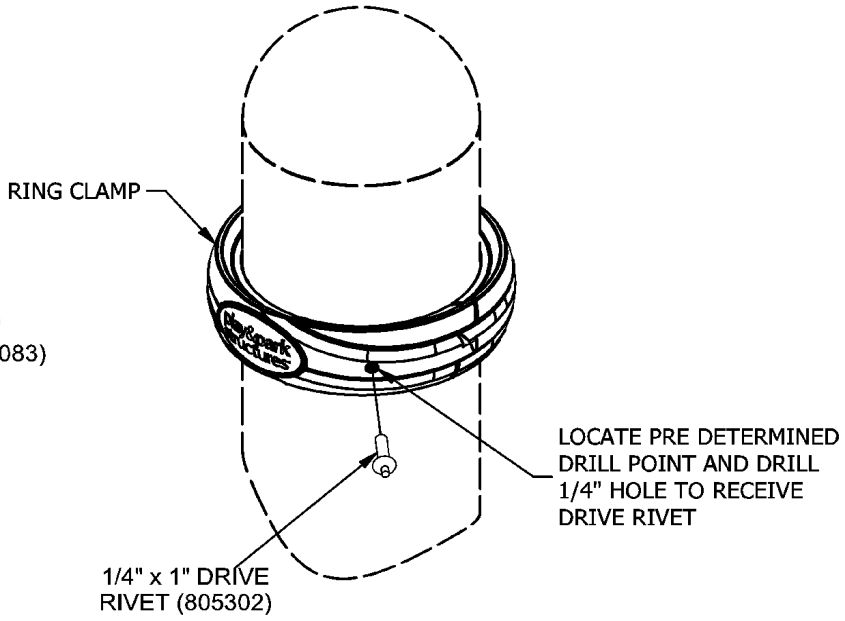
# 71031 RING CLAMP ASSEMBLY




NOTE: THE USE OF LOCTITE IS IMPORTANT.

**IMPORTANT:** ORIENTATION OF BOLT IS CRITICAL.

452




453

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 71158 Word Scramble (ADA Panel)

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| BACK PANEL | 1 | 310180 |
| PANEL ADAPTER | 4 | 309919 |
| ——HARDWARE COMPLETE—— | 1 | 310179 |
| A HANDLE | 2 | 309563 |
| C HANDLE | 2 | 309564 |
| E HANDLE | 2 | 309565 |
| N HANDLE | 2 | 309566 |
| O HANDLE | 2 | 309567 |
| T HANDLE | 2 | 309568 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 812053 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 6 | 812056 |
| 3/8" FLAT WASHER | 10 | 817410 |
| 3/8" BARREL NUT | 10 | 804804 |
| 1/2" I.D. BRONZE BUSHING | 6 | 102820 |
| 1/4" x 3/4" SET SCREW | 8 | 811545 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Locate Deck opening to receive the Word Scramble (ADA Panel).

2. Attach Ring Clamps to the uprights.Refer to Elevation and Plan Views for clamp height and location. See seperate Ring Clamp Installation Sheet..

3. Attach handles to the Back Panel using 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 1/2" I.D. Bronze Bushing and 3/8" Barrel Nut. See Detail 409.

4. Attach Back Panel to Ring Clamps using Panel Adapter. See Detail 408.

5. Plumb and level the entire assembly and tighten all fasteners.

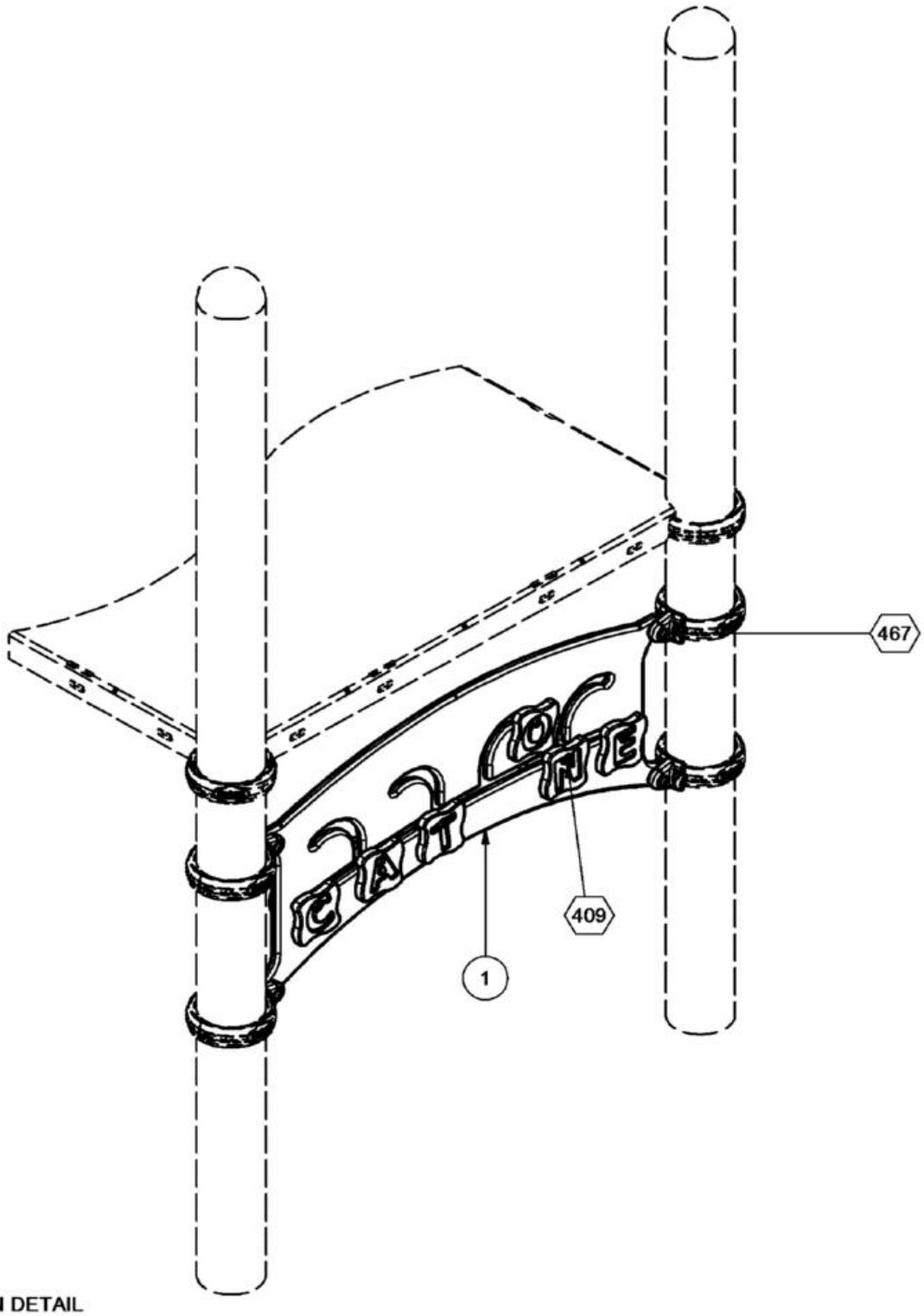
6. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each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

***IMPORTANT! Avoid creating any Gaps between the components, which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points, which can trap a child and cause injury.***

## 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. Also Check all metal parts for rust, paint peeling and touch-up if necessary with paint. Check for welded areas and verify integrity. Check for cracks, gouges or breakage on plastic, check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specified on ASTM F1487-98 section 6. 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.

# 71158 Word Scramble (ADA Panel)

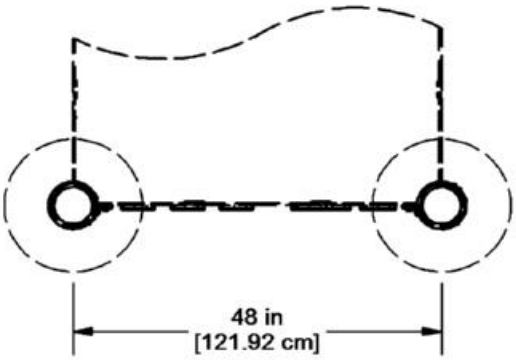



= INSTALLATION DETAIL

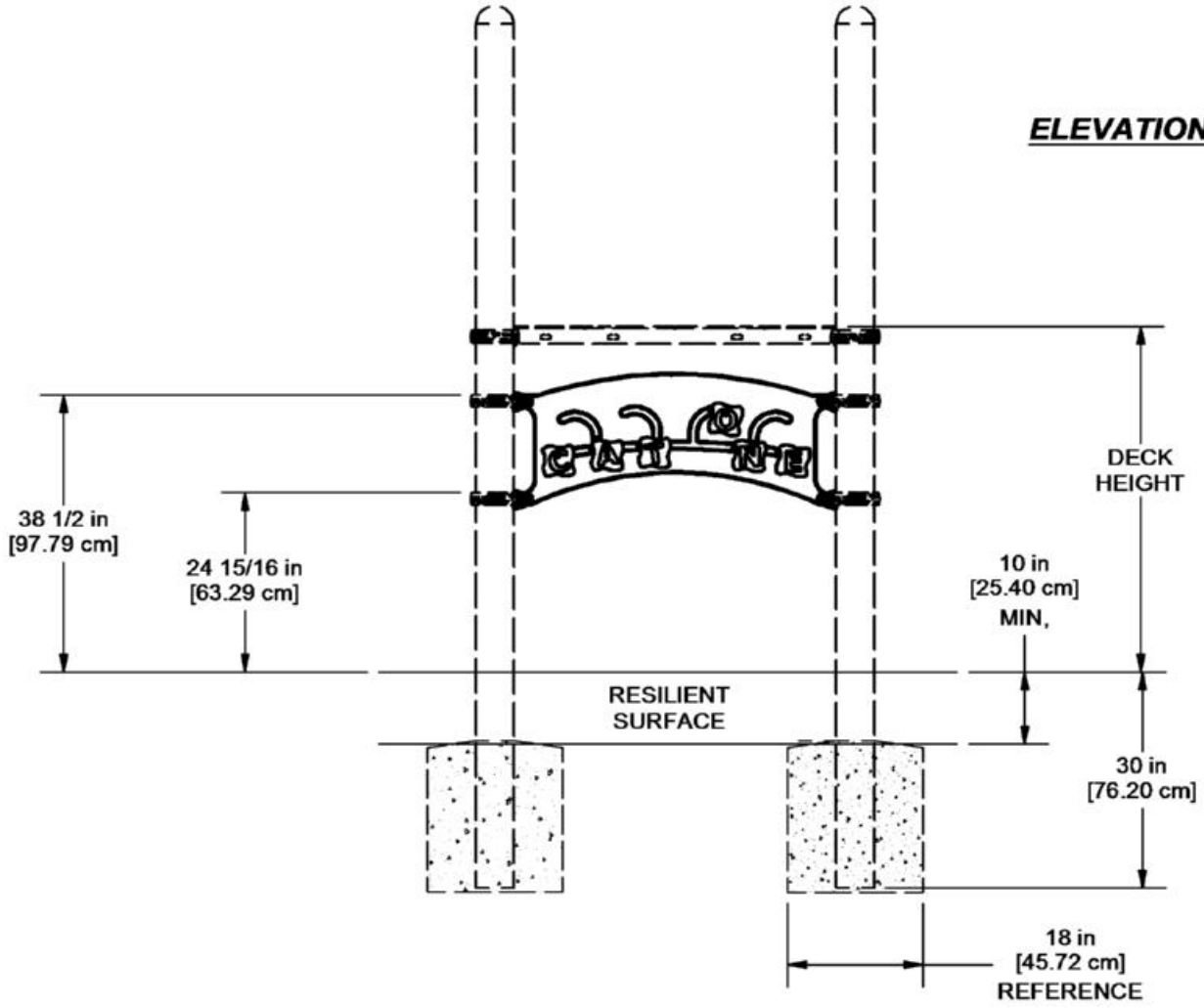
Issued/Revised: 12/30/2025

***FINISHED ASSEMBLY***

# 71158 Word Scramble (ADA Panel)




***PLAN VIEW***

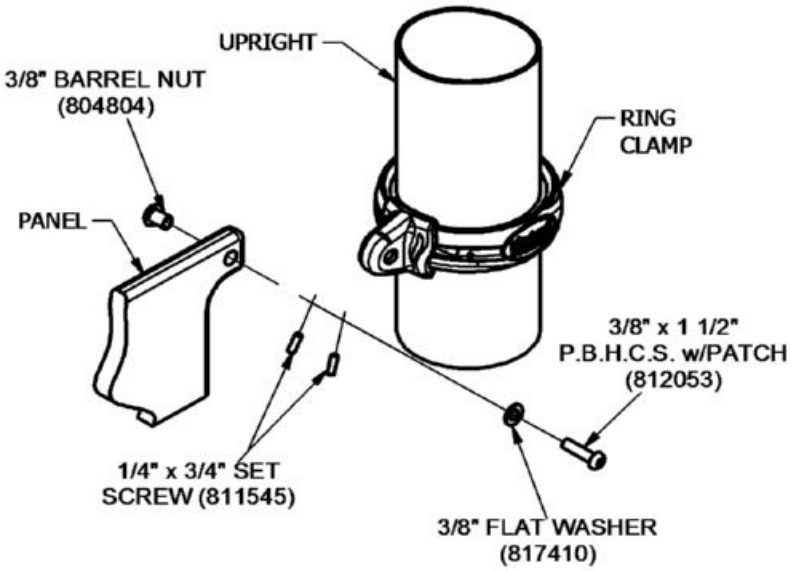



***ELEVATION VIEW***

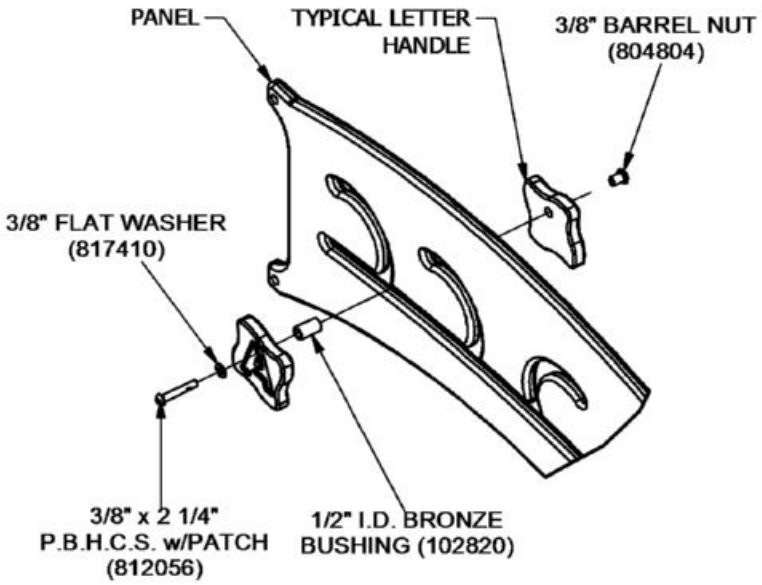
# 71158 Word Scramble (ADA Panel)

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




467




409

SuperMax Play Systems

# 'C' Horizontal Loop Ladder - Attachment
# 71177 (0'-8", 1'-0", & 1'-4"); 71178 (2'-0"); 71179 (2'-8")

| Parts List | | | | | |
|---|---|---|---|---|---|
| ITEM | DESCRIPTION | 71177 | 71178 | 71179 | PART NUMBER |
| 1 | 'C' HORIZONTAL LOOP LADDER | 1 | 1 | 1 | 310166 |
| 2 | VERTICAL LADDER | 1 | 0 | 0 | 310117 |
| 2 | VERTICAL LADDER | 0 | 1 | 0 | 310120 |
| 2 | VERTICAL LADDER | 0 | 0 | 1 | 310123 |
| 3 | 16" SUPPORT PIPE | 2 | 0 | 0 | 306462 |
| 3 | 24" SUPPORT PIPE | 0 | 2 | 0 | 306460 |
| 3 | 32" SUPPORT PIPE | 0 | 0 | 2 | 306458 |
| 4 | PIPE ADAPTER | 6 | 6 | 6 | 309915 |
| 5 | EXTENSION LEG | 2 | 2 | 2 | 306589 |
| | ------HARDWARE COMPLETE------ | 1 | 1 | 1 | 310170 |
| | 1/4" x 3/4" SET SCREW | 12 | 12 | 12 | 811545 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 812053 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 6 | 6 | 6 | 812054 |
| | 3/8" FLAT WASHER | 11 | 11 | 11 | 817410 |
| | 3/8" LOCKWASHER | 6 | 6 | 6 | 817334 |
| | 3/8" BARREL NUT | 10 | 10 | 10 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which four uprights are to receive the 'C' Horizontal Loop Ladder. Refer to your Top View drawing for location. Dig footings at location and depth as shown.

2. Mark positions of Ring Clamps on the Upright Posts at desired height. Maximum clamp height over the deck should be 59". HORIZONTAL LADDER SHOULD NOT BE ATTACHED TO ANY DECK WHICH IS HIGHER THAN 32" FOR 5-12 YEARS-OLD OR 16" FOR 2-5 YEARS-OLD.

3. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

4. To attach the Vertical Ladder: Slip Pipe Adapters over Vertical Ladder attachment pipes, then, placing Vertical Ladder legs into dug holes, hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Vertical Ladder using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448. Note: For 0'-8" or 1'-0" deck heights use 1'-4" Vertical Ladder and cut 8" off of legs for 0'-8" deck or cut 4" off of legs for 1'-0" deck height.

5. Slip Pipe Adapters over the 'C' Horizontal Loop Ladder attachment pipes and attach using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

# 'C' Horizontal Loop Ladder - Attachment
# 71177 (0'-8", 1'-0", & 1'-4"); 71178 (2'-0"); 71179 (2'-8")

6. Attach the Extension Legs to the bottom of the Support Pipes using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 066.

7. Attach the Support Pipes to the 'C' Horizontal Loop Ladder using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 066.

8. Then, with sufficient manpower, lift the entire assembly into position, placing the Support Pipes into dug holes. Hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Provide vertical support to prevent the Ring Clamps from sliding down the upright posts.

9. After ensuring 'C' Horizontal Loop Ladder is plumb and level, tighten all fasteners. Pour concrete footings within 4" of the top and taper away from posts for water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

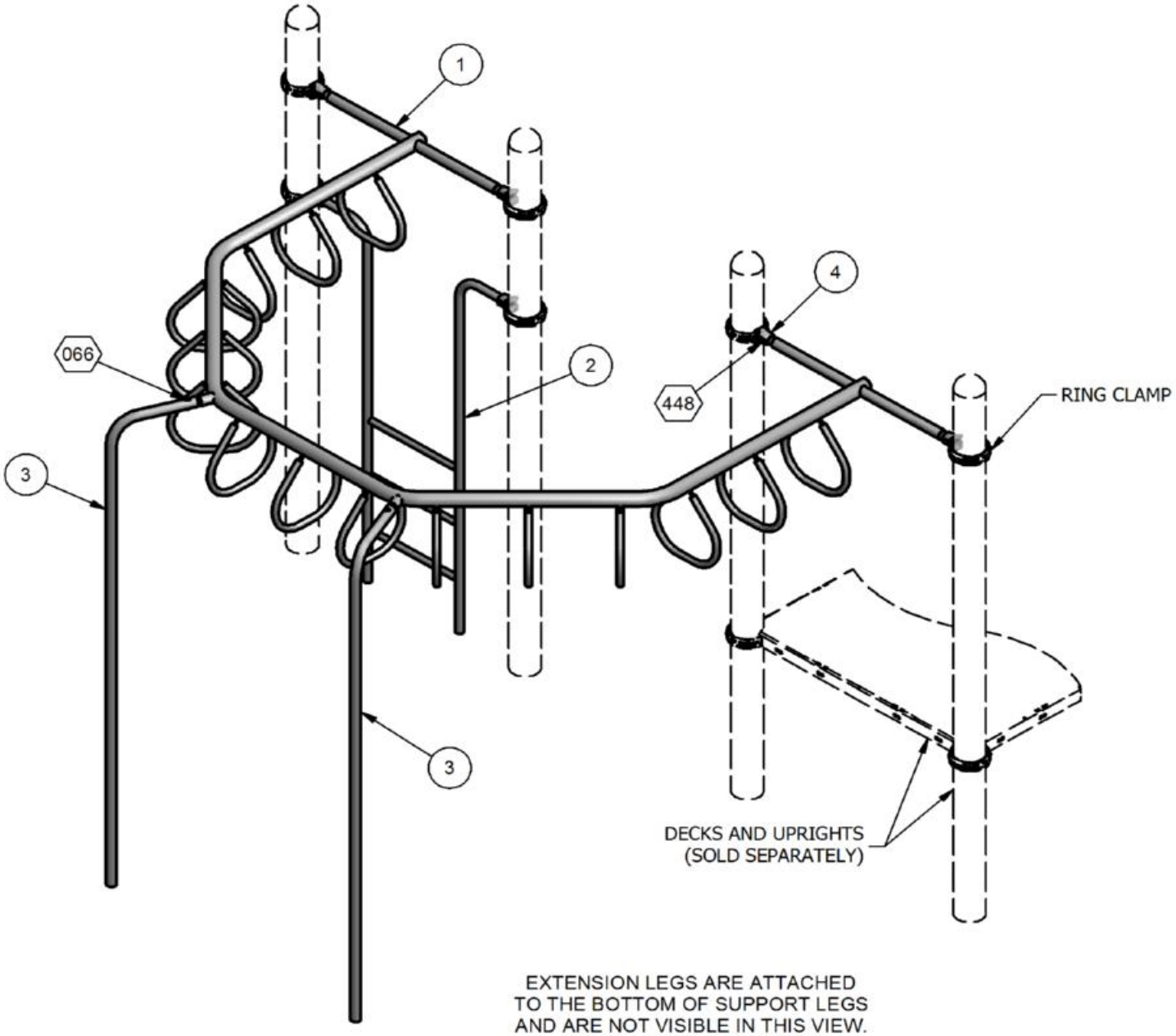
10. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also, eliminate sharp points and sharp 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: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic free of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

# 'C' Horizontal Loop Ladder - Attachment
## 71177 (0'-8", 1'-0", & 1'-4"); 71178 (2'-0"); 71179 (2'-8")

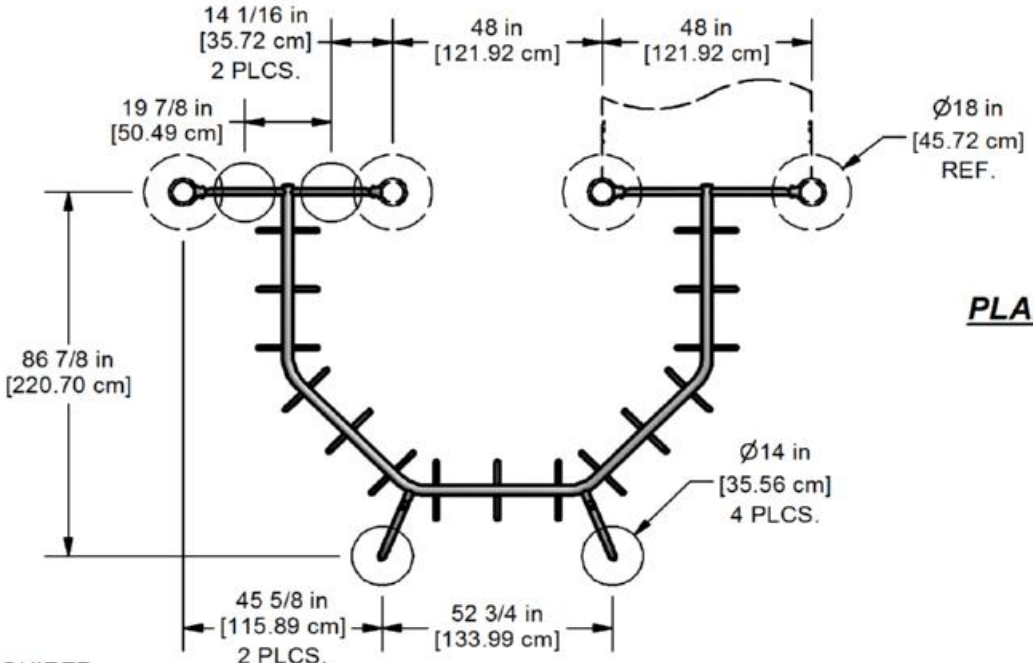



EXTENSION LEGS ARE ATTACHED
TO THE BOTTOM OF SUPPORT LEGS
AND ARE NOT VISIBLE IN THIS VIEW.
ATTACH USING DETAIL 066.

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***
71179 SHOWN

# 'C' Horizontal Loop Ladder - Attachment
# 71177 (0'-8", 1'-0", & 1'-4"); 71178 (2'-0"); 71179 (2'-8")

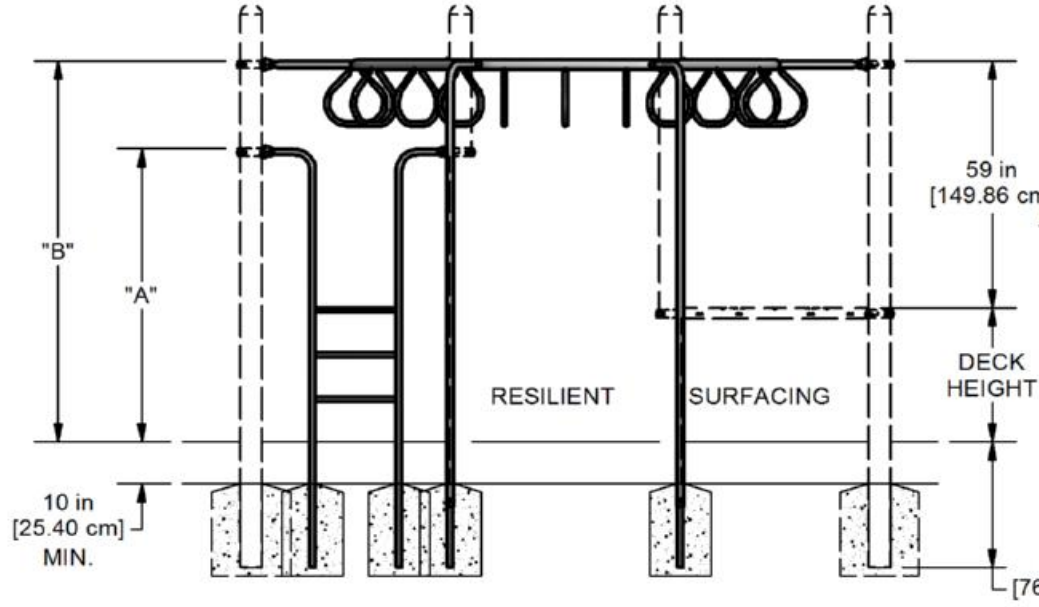



***PLAN VIEW***

CONCRETE REQUIRED
0.28 CUBIC YARDS
[0.20 CUBIC METERS]

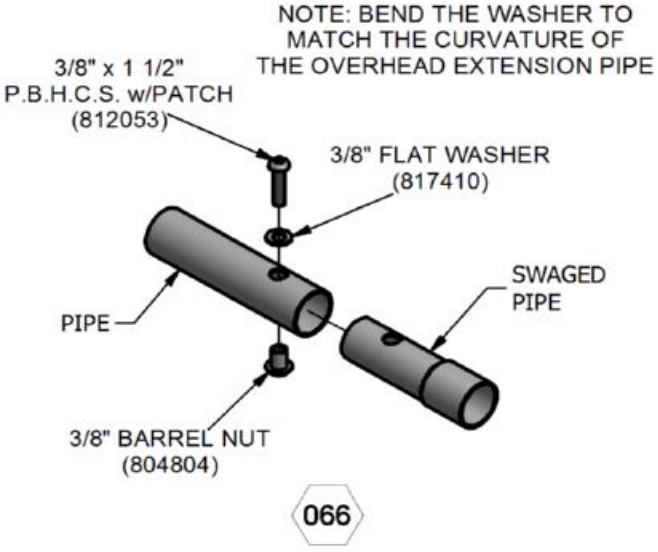
| Dimension Table | | | |
|---|---|---|---|
| Product | Deck Height | Dim "A" | Dim "B" |
| 71177 | 0'-8" | 46 1/16" [117.04cm] | 67" [170.18cm] |
| 71177 | 1'-0" | 50 1/16" [127.04cm] | 71" [180.34cm] |
| 71177 | 1'-4" | 54 1/16" [137.36cm] | 75" [190.50cm] |
| 71178 | 2'-0" | 62 1/16" [157.68cm] | 83" [210.82cm] |
| 71179 | 2'-8" | 70 1/16" [178.03cm] | 91" [231.14cm] |

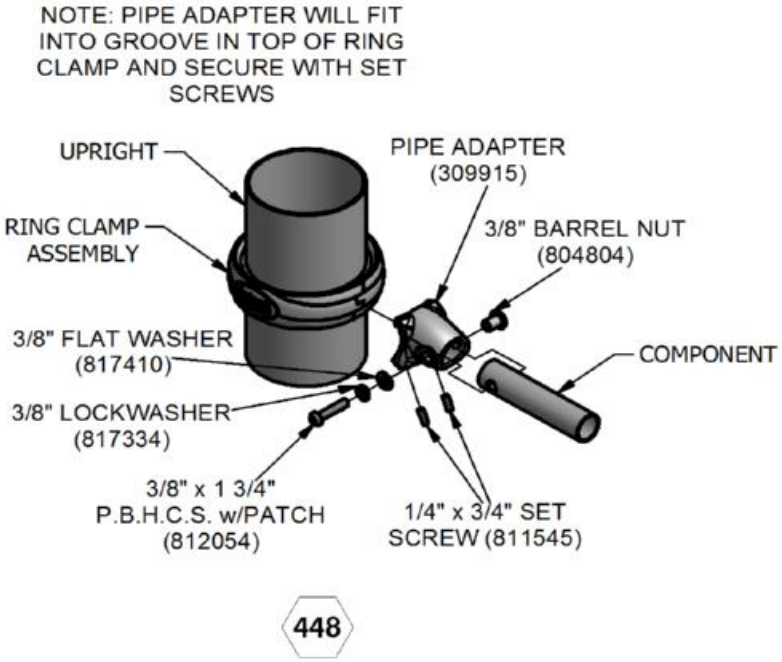
NOTE: If overhead component is to be installed at an 0'-8" or 1'-0" deck height, use 1'-4" Vertical Ladder and cut 8" off legs for 0'-8" deck or cut 4" off legs for 1'-0" deck.




***ELEVATION VIEW***

# 'C' Horizontal Loop Ladder - Attachment
# 71177 (0'-8", 1'-0", & 1'-4"); 71178 (2'-0"); 71179 (2'-8")



SuperMax Play Systems

# 71249 Bench Seat

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | SEAT SUPPORT BEAM | 1 | 302373 |
| 2 | SEAT PANEL | 1 | 302366 |
| 3 | RING HALF CLAMP | 2 | 309913 |
| | -----HARDWARE COMPLETE----- | 1 | 310705 |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302 |
| | 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 | 4 | 812051 |
| | 3/8" FLAT WASHER | 8 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" BARREL NUT | 4 | 804804 |
| | 3/8" HEAVY HEX NUT | 4 | 804200 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***INSTALLATION INSTRUCTIONS:***

1. Determine which uprights are to receive the Seat for Two and Table, refer to your overhead drawing for location. Dig footings at location and depth as shown.

2. Attach Seat Support Beam to Seat Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 517. Note: Counterbore holes are to be turned upwards to receive Barrel Nuts.

3. Fasten Seat Assembly to Upright Posts using Ring Half Clamps, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Heavy Hex Nuts as shown in Detail 475.

4. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

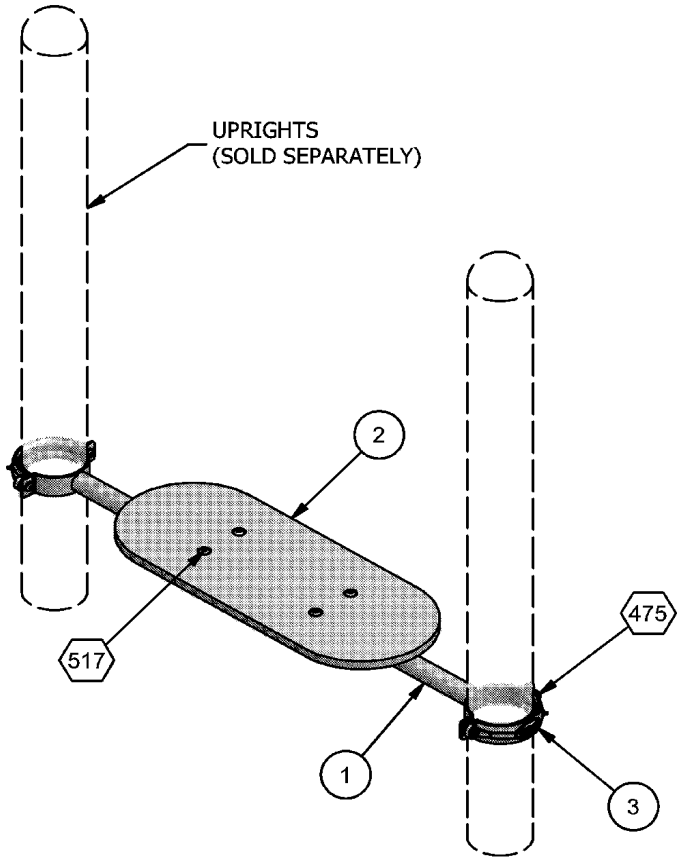
5. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.* Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, Park Structures strongly recommends that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

# 71249 Bench Seat

***MAINTENANCE PROCEDURE:***

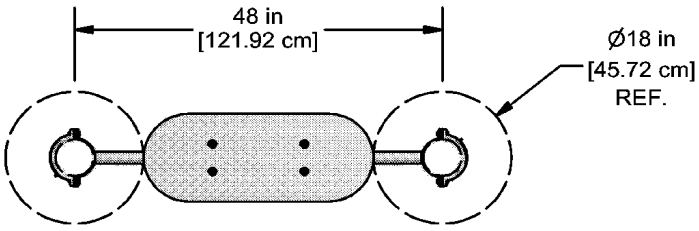
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.



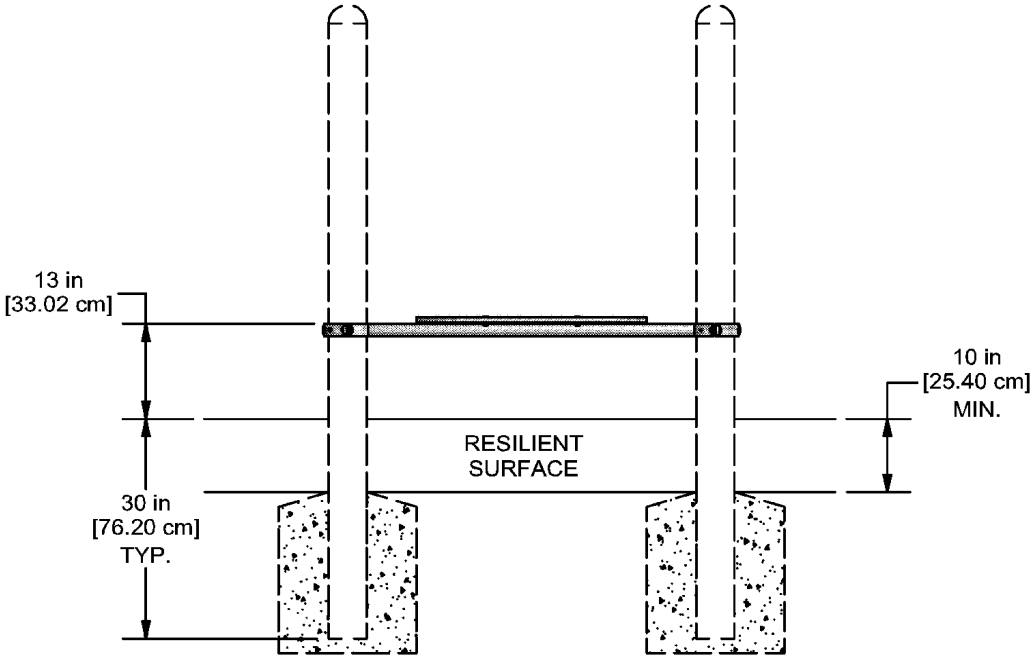

***FINISHED ASSEMBLY***

⬡ = INSTALLATION DETAIL

# 71249 Bench Seat

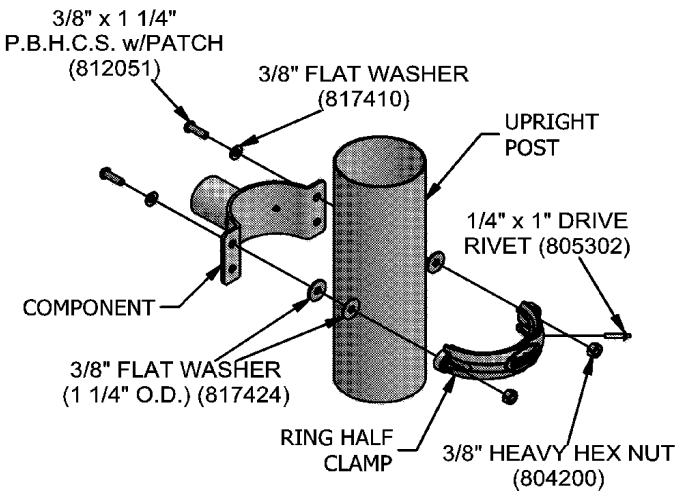



***PLAN VIEW***

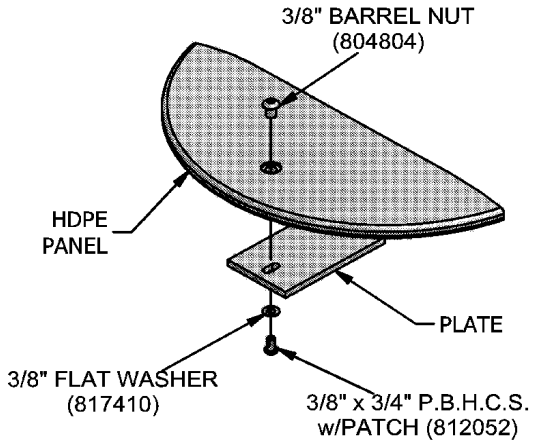



***ELEVATION VIEW***

# 71249 Bench Seat




475




517

SuperMax Play Systems

# 71260 Elevating Space Walk

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | TOP BEAM | 1 | 310302 |
| 2 | HANGER PIPE ASSEMBLY | 3 | 200201 |
| 3 | BUTTON STEP | 3 | 308072 |
| 4 | SUPPORT PLATE ASSEMBLY | 3 | 202057 |
| 5 | ATTACHMENT PIPE | 3 | 177724 |
| 6 | PIPE ADAPTER | 4 | 309915 |
| | TOP CLEVIS (2 3/8") | 3 | 158223 |
| | TRAPEZE BOTTOM CLEVIS ASS'Y (2 3/8") | 3 | 158227 |
| | ------HARDWARE COMPLETE------ | 1 | 310314 |
| | PENDULUM | 3 | 200195 |
| | CHAIN | 3 | 177723 |
| | CLEVIS w/SPECIAL HEAD | 3 | 166683 |
| | 1/4" x 3/4" SET SCREW | 8 | 811545 |
| | 3/8" x 2" CARRIAGE BOLT | 6 | 800256 |
| | 3/8" x 1" HEX HEAD BOLT - SS | 3 | 801003 |
| | 3/8" x 1 3/4" HEX HEAD BOLT | 6 | 801006 |
| | 1/2" x 2 1/2" HEX HEAD BOLT | 6 | 801200 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 12 | 812050 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 4 | 812054 |
| | 3/8" FLAT WASHER | 22 | 817410 |
| | 3/8" LOCKWASHER | 25 | 817334 |
| | 1/2" LOCKWASHER | 6 | 817342 |
| | 3/8" BARREL NUT | 4 | 804804 |
| | 3/8" LOCK NUT | 15 | 804353 |
| | 1/2" HEX NUT | 6 | 804055 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 817424 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Elevating Space Walk. Refer to your Top View drawing for location. Dig footing holes at locations and depths shown in Top View.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet. See Elevation View for clamp height and location.

# 71260 Elevating Space Walk

3. To attach the Top Beam: Slip Pipe Adapters over the Top Beam attachment pipes and attach using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.

4. Attach Top Clevis, Bottom Clevis, and Pendulum to the Top Beam using 3/8" x 2" Carriage Bolt, 3/8" Lock Nut, 1/2" x 2 1/2" Hex Bolt, 1/2" Lock Washer, and 1/2" Hex Nut as shown in Detail 596. Note: See Plan View for Spacing.

5. With sufficient manpower, lift the Top Beam assembly into position and hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Provide vertical support to prevent the Ring Clamps from sliding down the Upright Posts.

6. Slide Hanger Pipe through the Button Step. Attach Hanger Pipe to Pipe Support Plate using 3/8" x 1 3/4" Hex Head Bolts, 3/8" Lock Washers, and 3/8" Lock Nuts. Use Clevis and Flatwashers to attach chain to bottom of Support Plate as shown in Detail 423.

7. Attach Button Step to Support Plate as shown in Detail 489.

8. Attach Hanger assembly to Pendulum using 1/2" x 2 1/2" Hex Head Bolt, 1/2" Lock Washer, and 1/2" Hex Nut as shown in Detail 596.

9. Place Attachment Pipe inside footing hole and determine length of chain required to attach with hardware shown in Detail 486. Important: It is critical that chains are taut when concrete is poured. Remove any excess chain.

10. When the entire assembly is plumb and level, tighten all fasteners. Pour concrete footings within 4" of the top and taper away from posts for water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

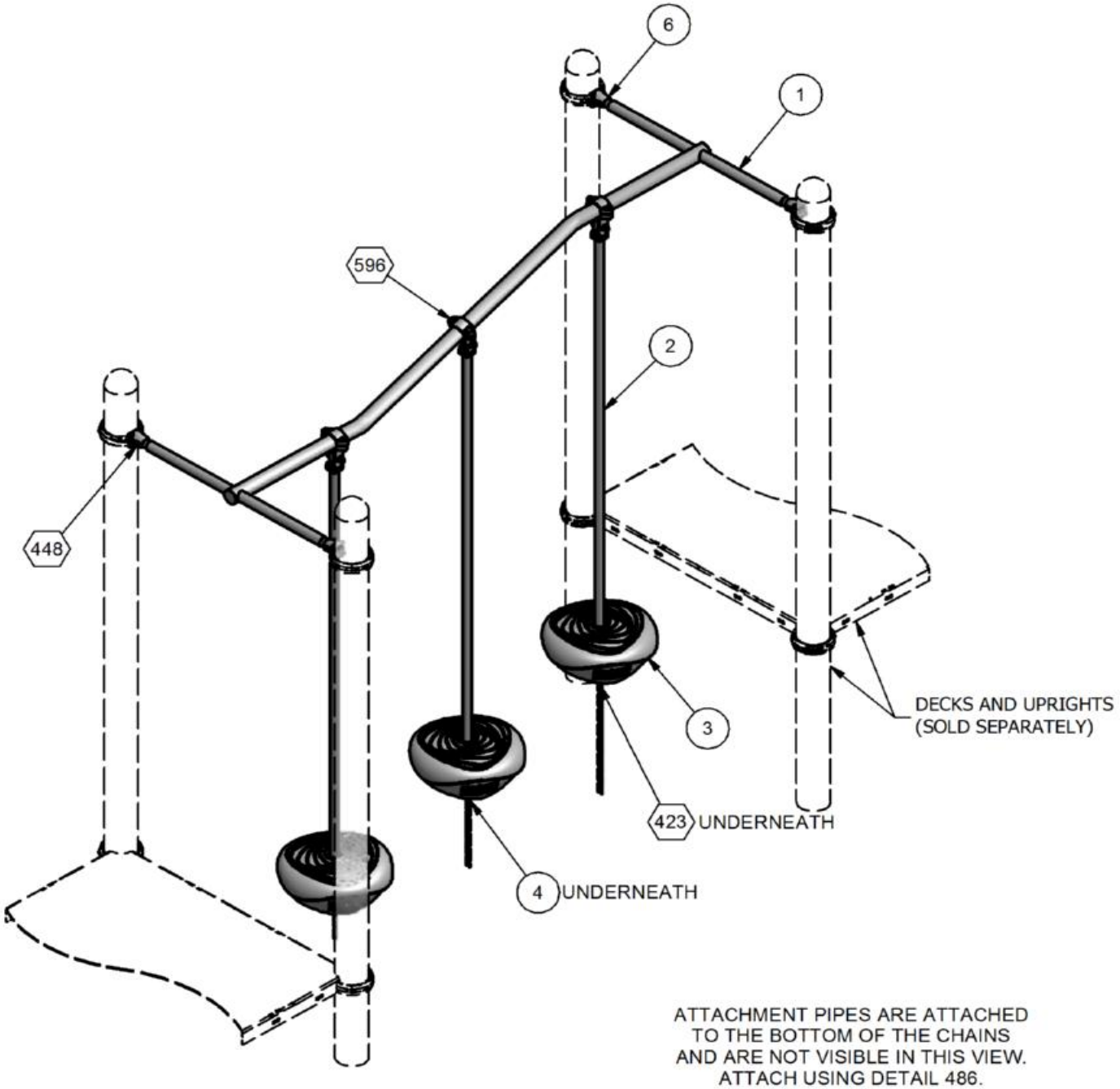
11. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also, eliminate sharp points and sharp 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: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

# 71260 Elevating Space Walk

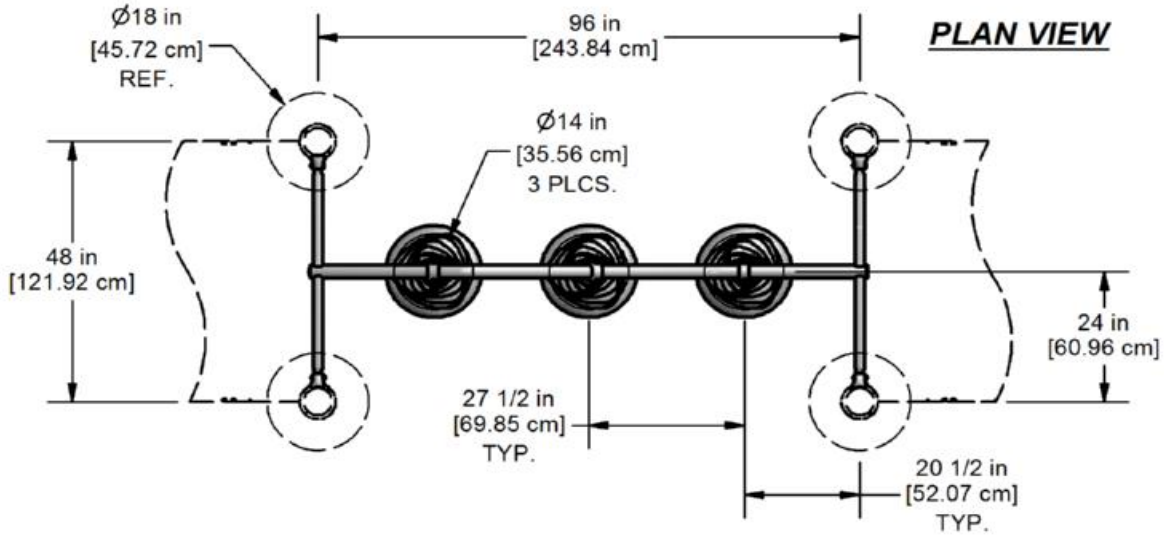



ATTACHMENT PIPES ARE ATTACHED TO THE BOTTOM OF THE CHAINS AND ARE NOT VISIBLE IN THIS VIEW. ATTACH USING DETAIL 486.

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

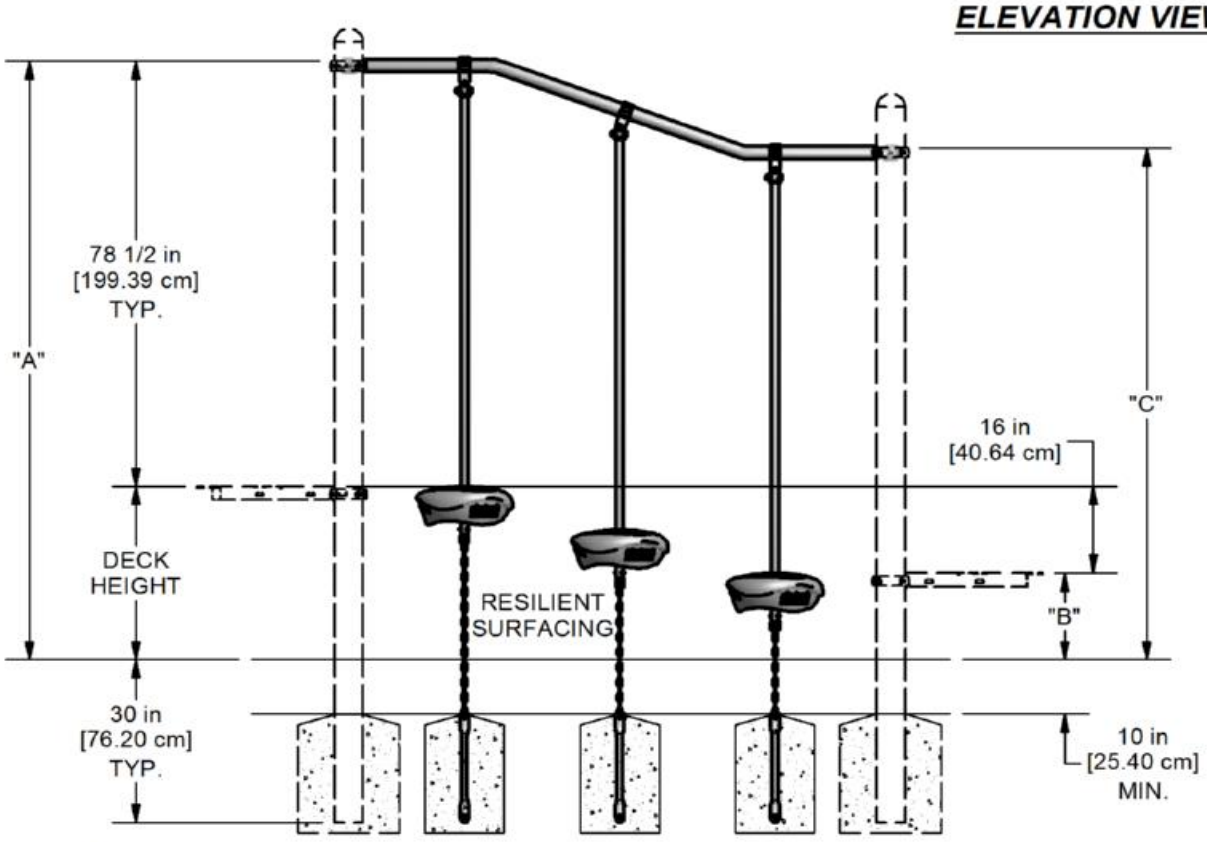
# 71260 Elevating Space Walk



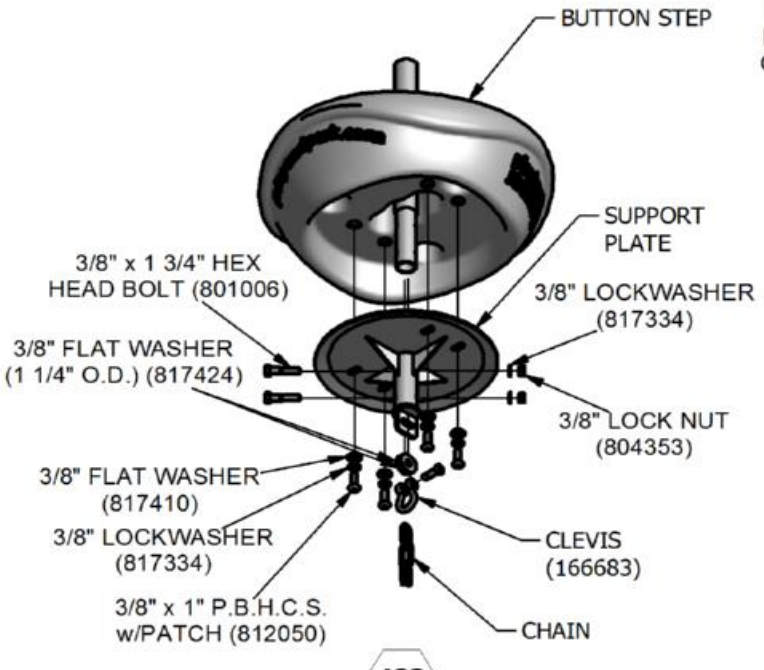

| Dimension Table | | | |
|---|---|---|---|
| Deck Height | Dim. "A" | Dim. "B" | Dim. "C" |
| 24" [60.96 cm] | 102 1/2" [260.35 cm] | 8" [20.32 cm] | 86 1/2" [219.69 cm] |
| 32" [81.28 cm] | 110 1/2" [280.67 cm] | 16" [40.64 cm] | 94 1/2" [240.01 cm] |

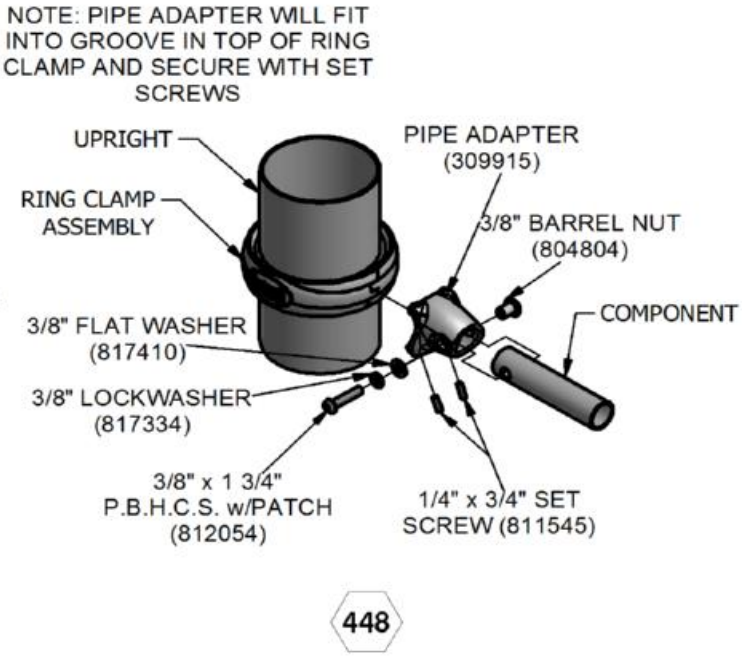
***CONCRETE REQUIRED:***
.21 CUBIC YARDS
[.15 CUBIC METERS]

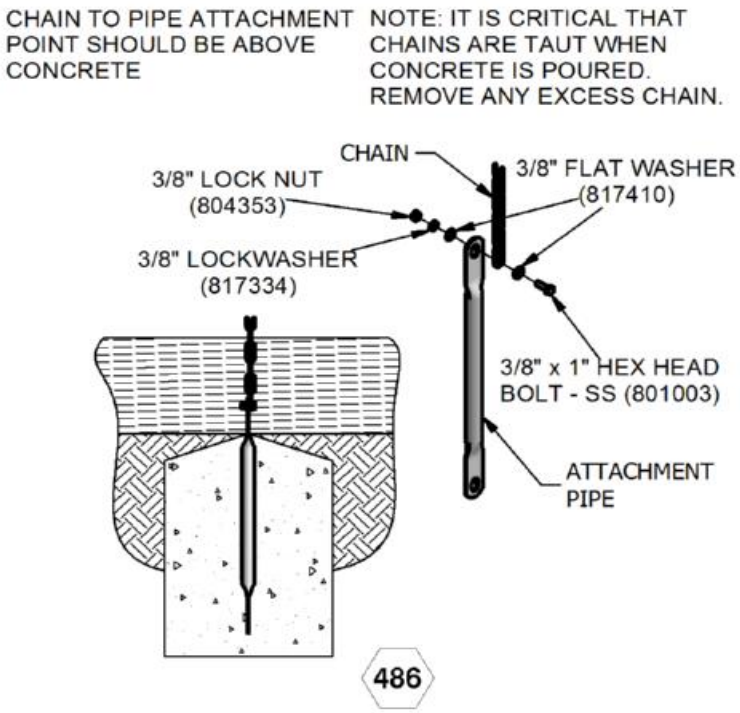
***ELEVATION VIEW***

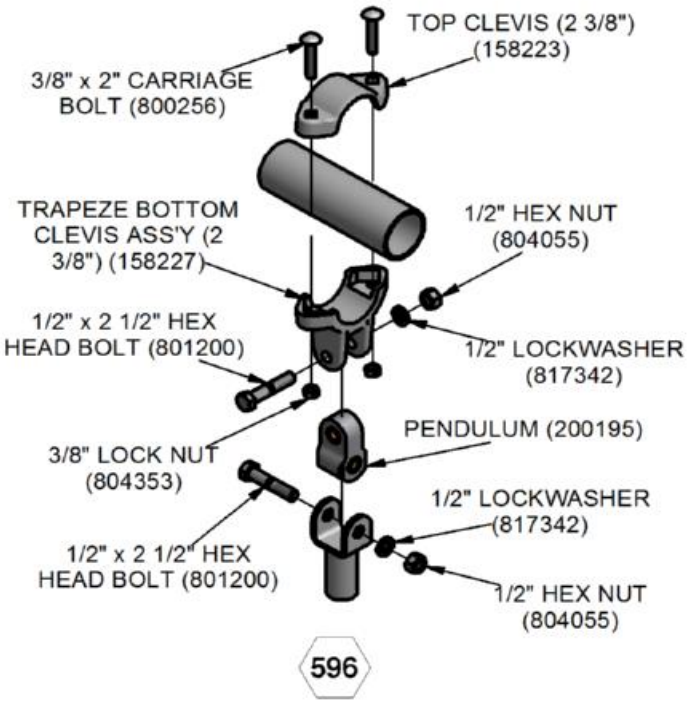


# 71260 Elevating Space Walk



# 71338 Hand Pedaler

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | HAND PEDALER ASSEMBLY | 1 | 308375 |
| 2 | RING HALF CLAMP | 2 | 309913 |
| | -----HARDWARE COMPLETE----- | 1 | 310570 |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| | 3/8" FLAT WASHER | 4 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" HEAVY HEX NUT | 4 | 804200 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Select the appropriate Upright Post to receive the Hand Pedaler. Refer to your overhead drawing for location.

2. Mark position of Clamps on the Upright Post. See Elevation Views.

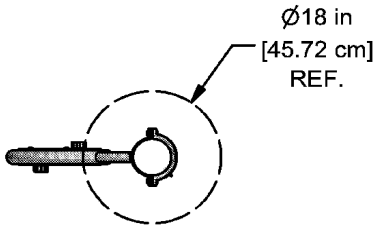
3. Attach Hand Pedaler to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475.

4. When structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp 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*.

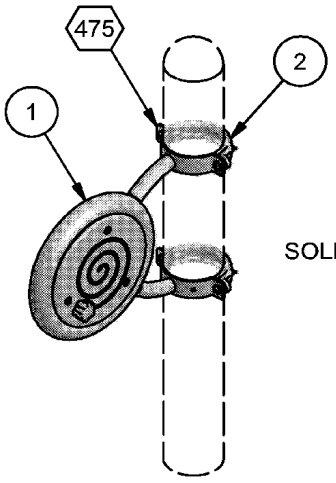
***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

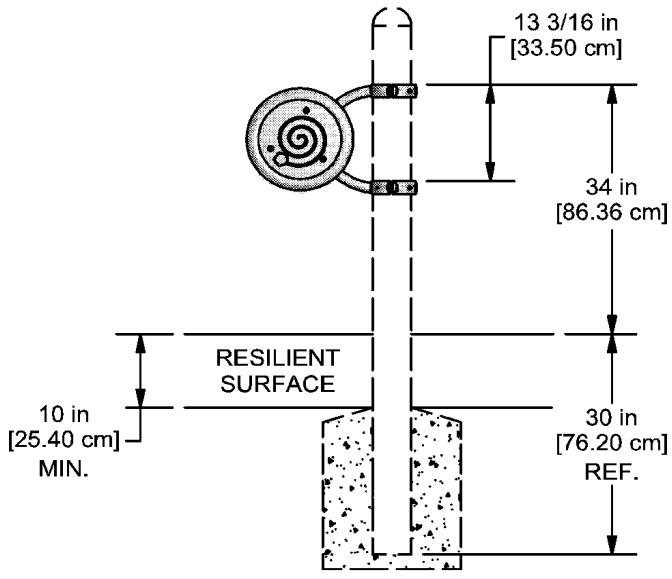
# 71338 Hand Pedaler




***PLAN VIEW***

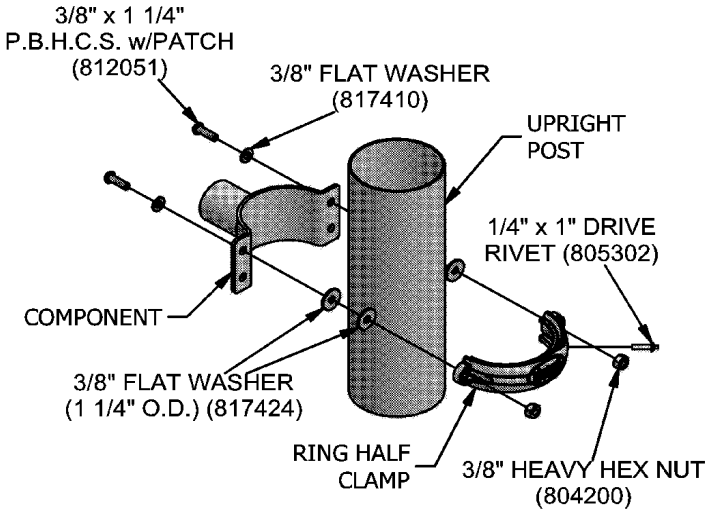



***FINISHED ASSEMBLY***




***ELEVATION VIEW***

# 71338 Hand Pedaler




475

SuperMax Play Systems

# 71339 Seat Panel

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | SEAT PANEL | 1 | 310526 |
| 2 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 309985 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 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 | 4 | 812054 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424 |
| | 3/8" LOCK WASHER | 2 | 817334 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" LOCK NUT | 2 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Seat Panel, refer to your overhead drawing for location.

2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the deck. Be careful not to expose the steel.

3. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

4. Place the tabs at the bottom of the Seat Panel into the slots on the deck. Slip the Pipe Adapters onto the Seat Panel attachment pipes, and connect using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 448. Then hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448.

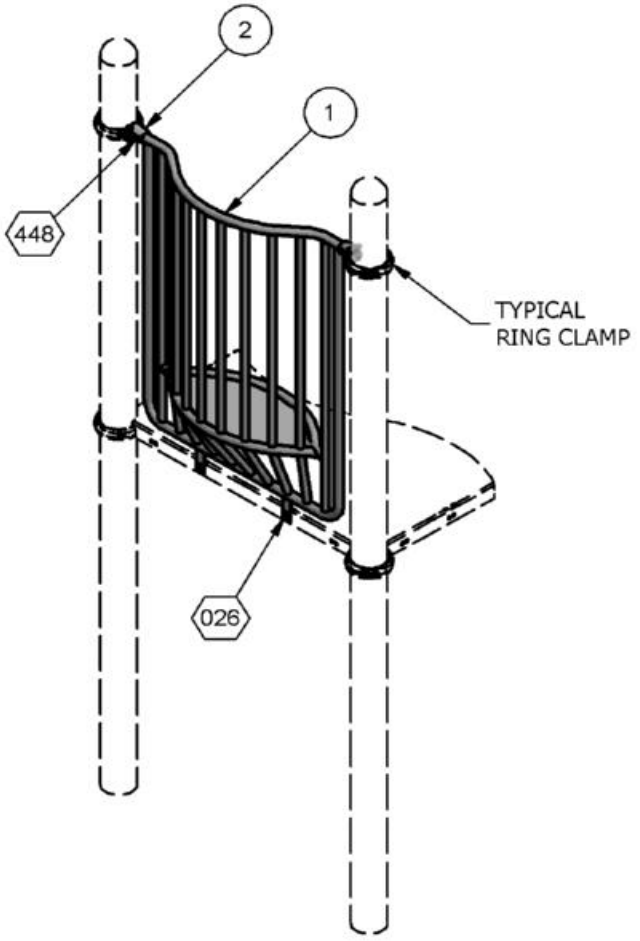
5. Attach the tabs at the bottom of Seat Panel to the holes on the side of the deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Nuts, and 3/8" (1 1/4" O.D.) Flat Washers as shown in Detail 026. When the Seat Panel is plumb and level, tighten all fasteners.

When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

# 71339 Seat Panel

***MAINTENANCE PROCEDURE:***

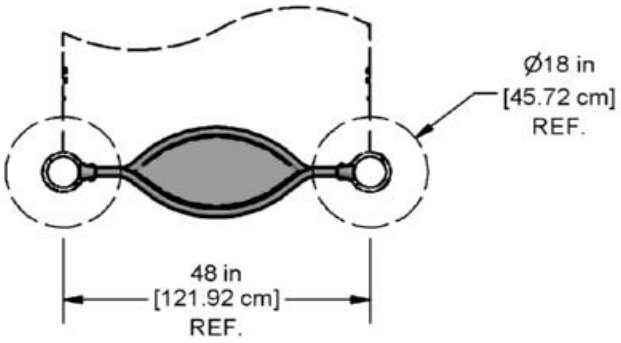
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.




⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71339 Seat Panel

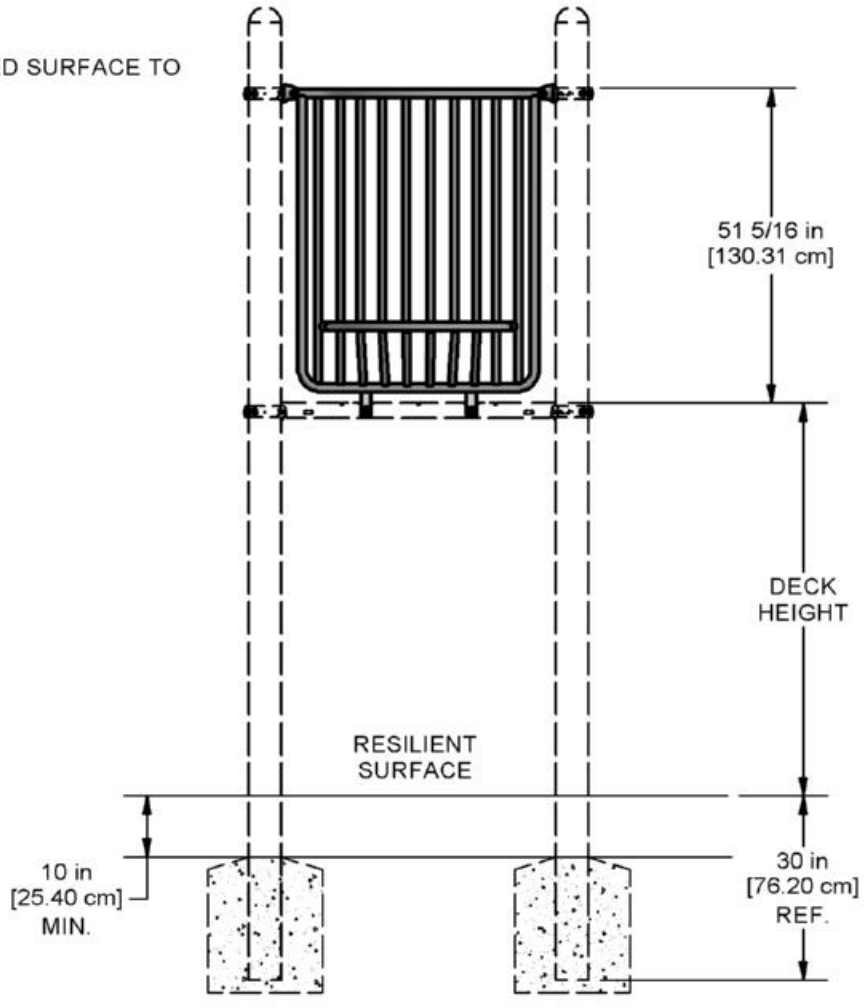



CLAMP HEIGHT LOCATIONS WHEN USED UNDER ANY DECK HEIGHT EXCEPT 48" SHALL BE:

3 1/2" [8.89cm] FINISHED SURFACE TO TOP OF LOWER CLAMP

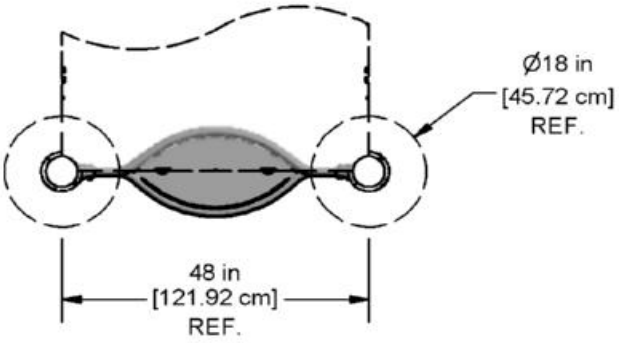
38 1/2" [97.79cm] FINISHED SURFACE TO TOP OF UPPER CLAMP

***PLAN VIEW***

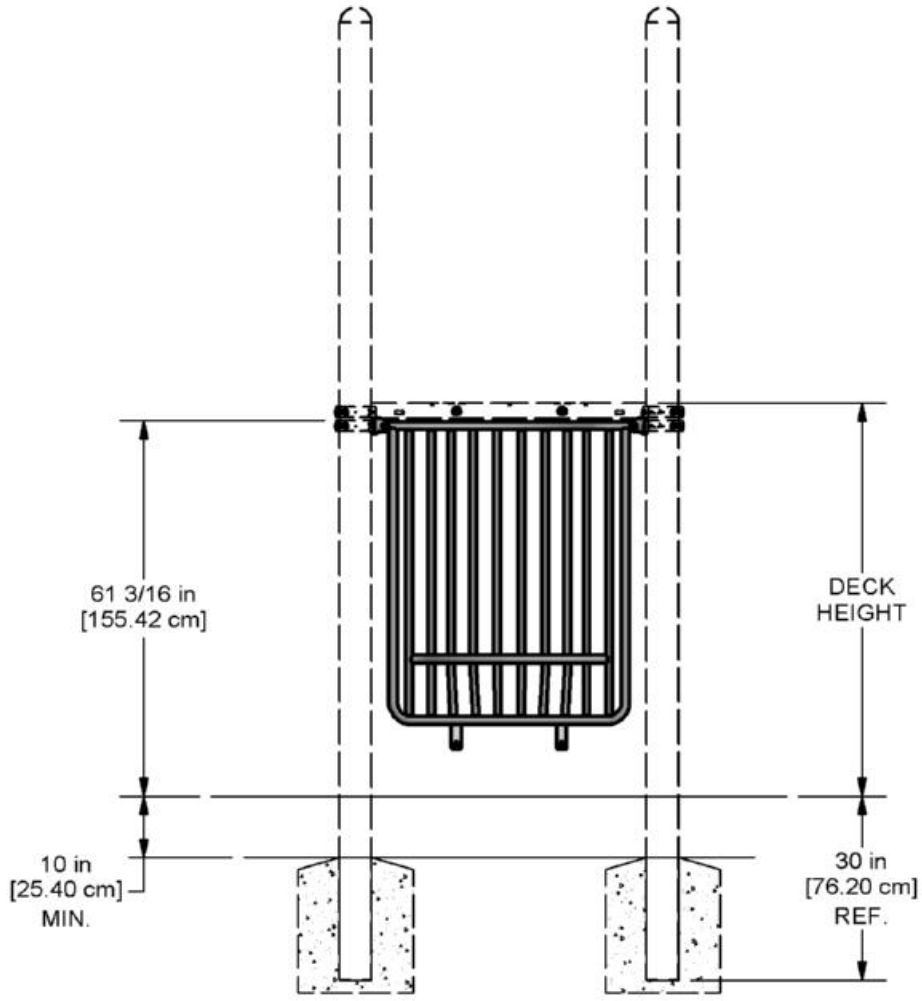



***ELEVATION VIEW***

# 71339 Seat Panel

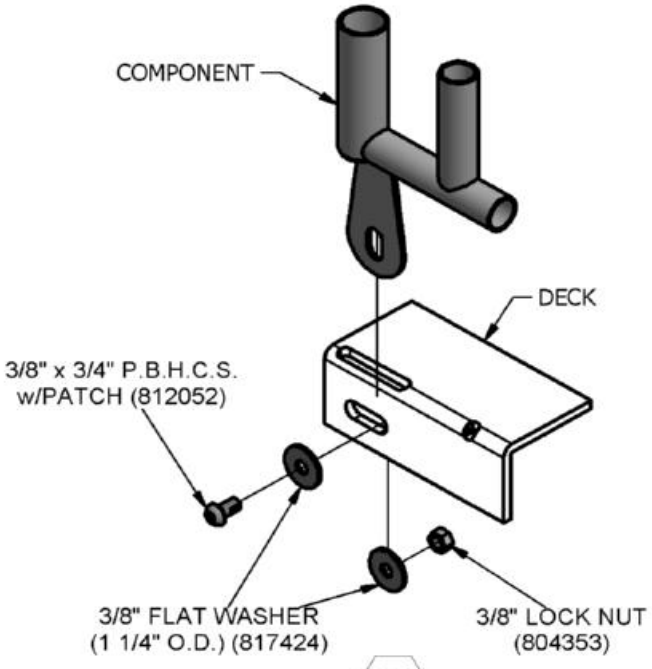



***PLAN VIEW***

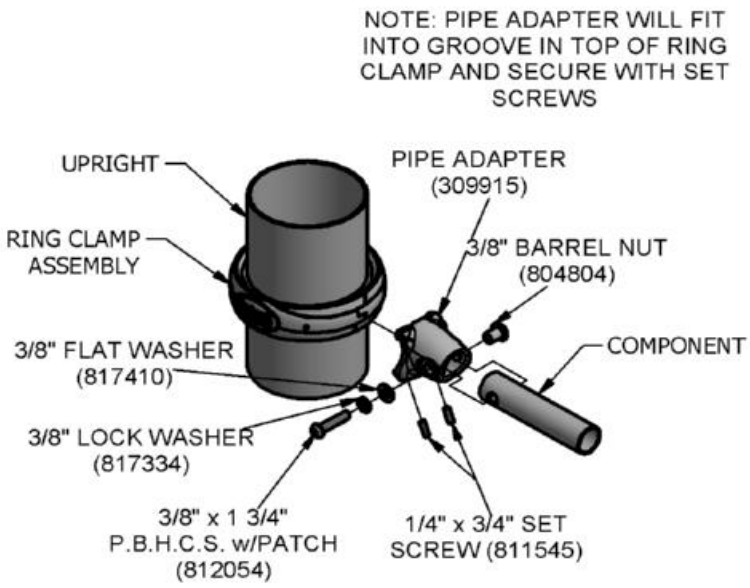



***ELEVATION VIEW***

# 71339 Seat Panel




026




448

SuperMax Play Systems

# Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)

| Parts List | | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | 71381 | 71382 | 71383 | 71384 | 71639 | PART NUMBER |
| 1 | ENTRANCE BARRIER WALL | 1 | 1 | 1 | 1 | 1 | 309967 |
| 2 | STEP PANEL | 1 | 0 | 0 | 0 | 0 | 302573 |
| 2 | STEP PANEL | 0 | 1 | 0 | 0 | 0 | 301257 |
| 2 | STEP PANEL | 0 | 0 | 1 | 0 | 0 | 307377 |
| 2 | STEP PANEL | 0 | 0 | 0 | 1 | 0 | 307379 |
| 2 | STEP PANEL | 0 | 0 | 0 | 0 | 1 | 307381 |
| 3 | PIPE ADAPTER | 2 | 2 | 2 | 2 | 2 | 309915 |
| | FLAT BRACKET | 2 | 2 | 2 | 2 | 2 | 300980 |
| | -----HARDWARE COMPLETE----- | 1 | 1 | 1 | 1 | 1 | 310656 |
| | 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 4 | 4 | 811545 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 812052 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 8 | 812050 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 812054 |
| | 3/8" FLAT WASHER | 10 | 10 | 10 | 10 | 10 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 8 | 8 | 8 | 8 | 817424 |
| | 3/8" LOCKWASHER | 2 | 2 | 2 | 2 | 2 | 817334 |
| | 3/8" BARREL NUT | 10 | 10 | 10 | 10 | 10 | 804804 |
| | 3/8" LOCK NUT | 4 | 4 | 4 | 4 | 4 | 804353 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which decks are to receive the Vertical Ladder, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted heights using information provided in Ring Clamp Installation Sheet.

3. Attach the Flat Brackets to the Step Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 148. Then, attach the Flat Brackets to the lower deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Lock Nuts as shown in Detail 148.

4. Slip the Pipe Adapters onto the Entrance Barrier Wall attachment pipes, then connect using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 448. Hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448.

5. Attach Entrance Barrier Wall and Step Panel to holes on side of upper deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.), and 3/8" Barrel Nuts as shown in Detail 149.

# Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)

6. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

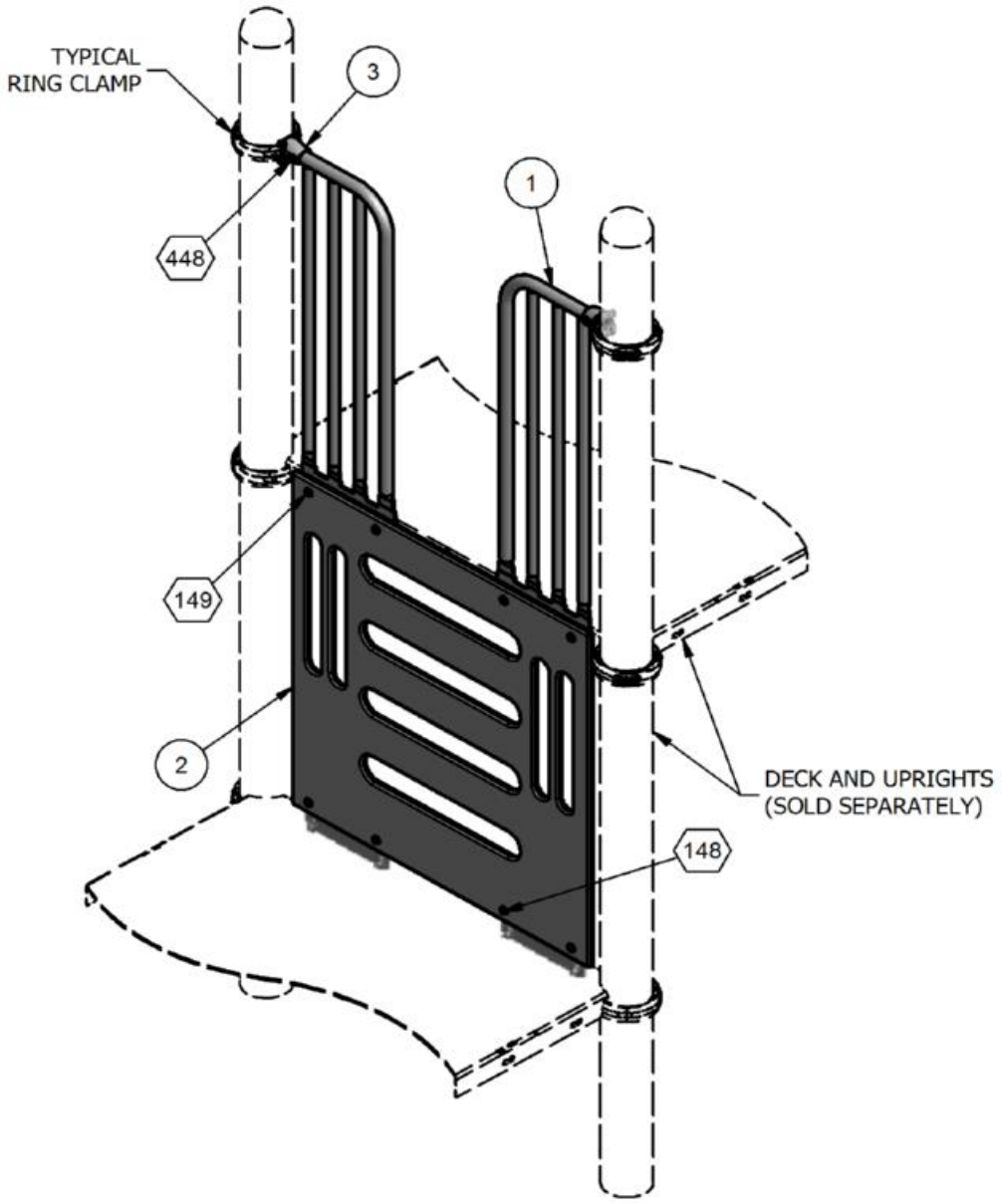
7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

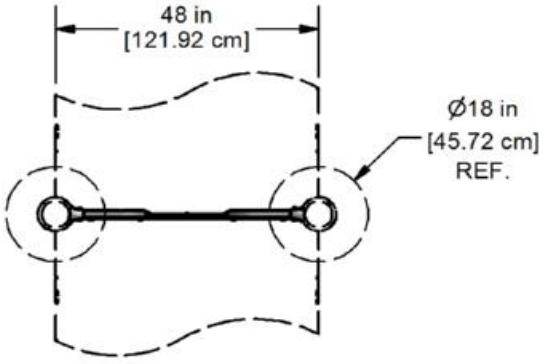
# *Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)*




⬡ = INSTALLATION DETAIL

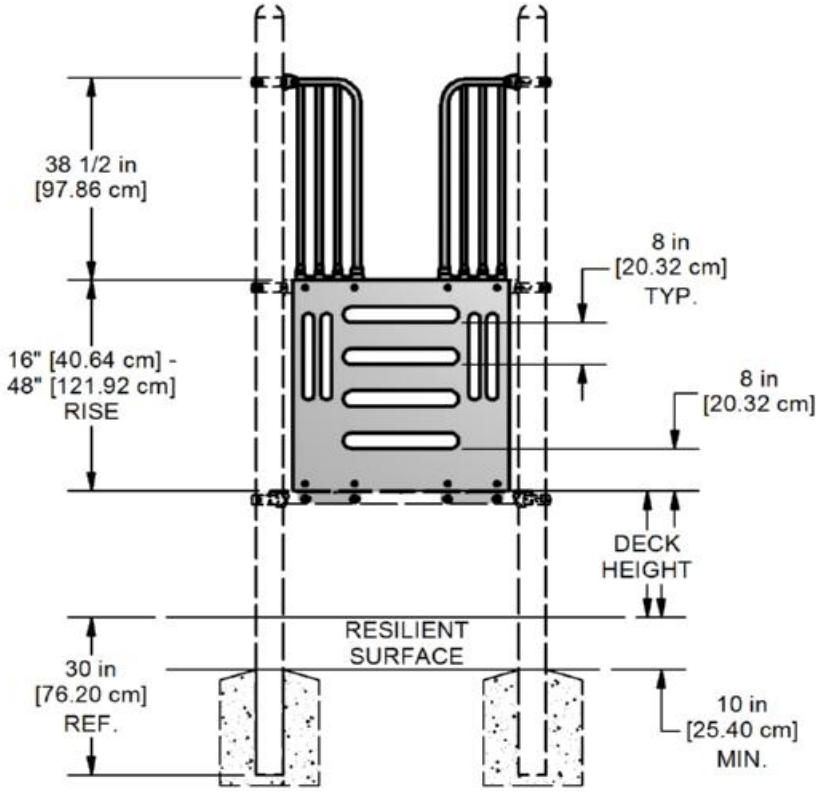
***FINISHED ASSEMBLY***
*71384 SHOWN*

# *Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)*



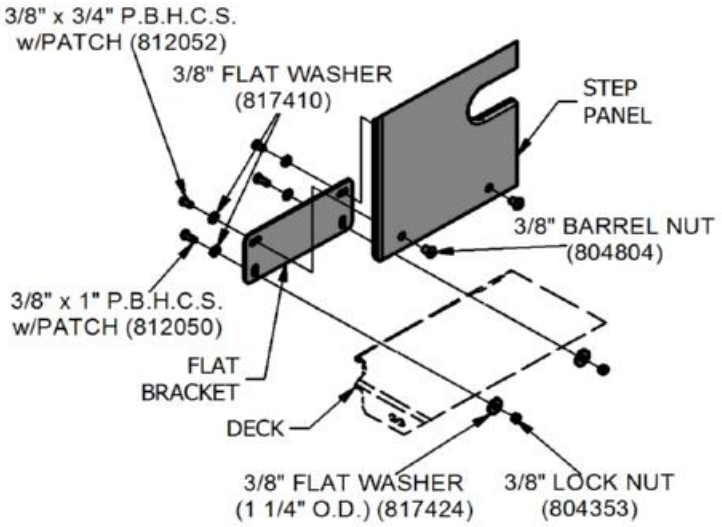

NOTE: STEP PANEL SHOULD BE ORIENTATED SO THAT THE DISTANCE FROM THE LOWER DECK TO THE FIRST STEP IS 8"

***PLAN VIEW***

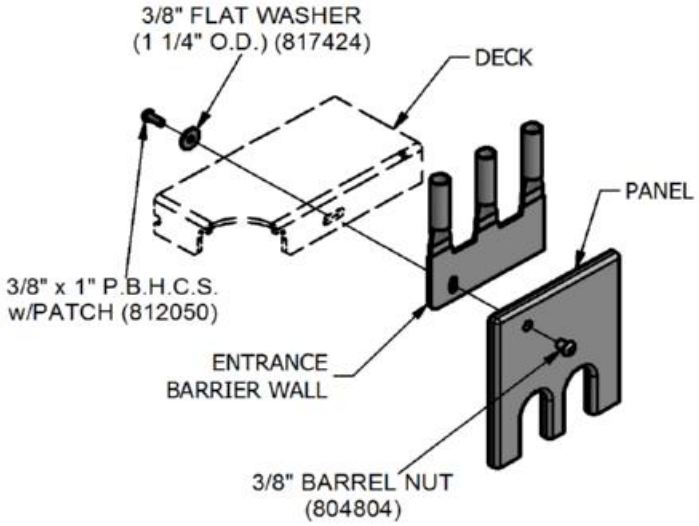



***ELEVATION VIEW***

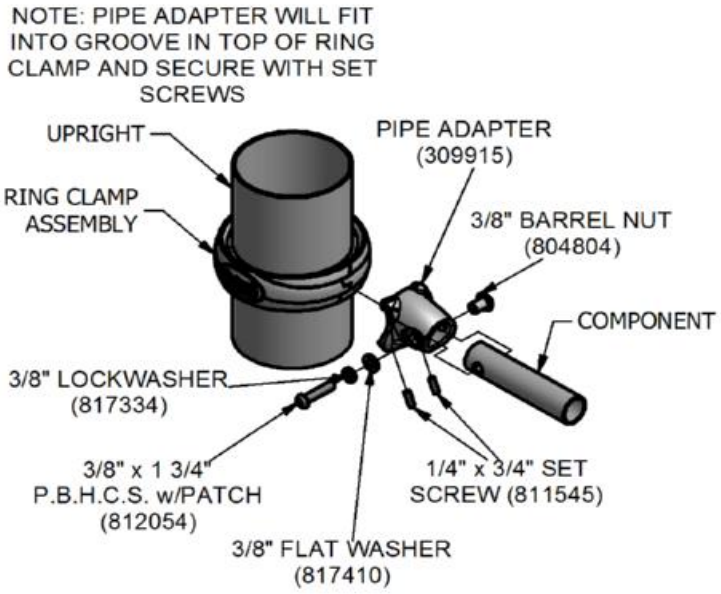
# *Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)*




148




149




448

SuperMax Play Systems

# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL

| Parts List -for- 71385 | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | BALCONY DECK | 1 | 312403 |
| 2 | BALCONY WALL | 1 | 312408 |
| 3 | PIPE ADAPTER | 2 | 309915 |
| | -----HARDWARE COMPLETE----- | 1 | 310657 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 3 | 812052 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 14 | 817424 |
| | 3/8" FLAT WASHER | 2 | 817410 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" LOCK NUT | 7 | 804353 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 3/8" LOCK WASHER | 2 | 817334 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054 |

| Parts List -for- 71386 | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | BALCONY DECK | 1 | 312403 |
| 2 | BALCONY WALL | 1 | 312410 |
| 3 | PIPE ADAPTER | 2 | 309915 |
| 4 | STEERING WHEEL ASSEMBLY | 1 | 163235 |
| | -----HARDWARE COMPLETE----- | 1 | 310658 |
| | 1/4" x 3/4" SET SCREW | 4 | 811545 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" FLAT WASHER | 4 | 817410 |
| | 3/8" x 1" P.B.H.C.S. w/PATCH | 4 | 812050 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 14 | 817424 |
| | 3/8" LOCK NUT | 7 | 804353 |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 5 | 812052 |
| | 3/8" LOCK WASHER | 4 | 817334 |
| | 3/8" ACORN NUT | 2 | 804002 |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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:**

1. Place Balcony Deck on a flat surface. If necessary, using a 7/16" drill bit, ream out excess plastisol coating from the (4) holes located on the flange, as well as the (4) holes located on the flange of the existing deck for attachment. Be careful not to expose steel frame.

2.Position the Balcony Deck against the flange of the existing deck and fasten the flanges together using 3/8" x 1" P.B.H.C.S. with 3/8" Flat Washers and 3/8" Lock Nuts as shown in Detail 090.

3 .Attach Ring Clamps on uprights at height shown in elevation view (See seperate Ring Clamp Installation Sheet). Attach Balcony Wall to Ring clamps using Pipe Adapter as shown in Detail 448. Fasten bottom tabs of Balcony Wall to the Balcony Deck as shown in Detail 026.

4. For 71386 only: Attach Steering Wheel Assembly to the Balcony Wall using two each 3/8" x 3/4" P.B.H.C.S., 3/8" Flatwasher, 3/8" Lockwasher and 3/8" Acorn Nut as shown in Detail 091.

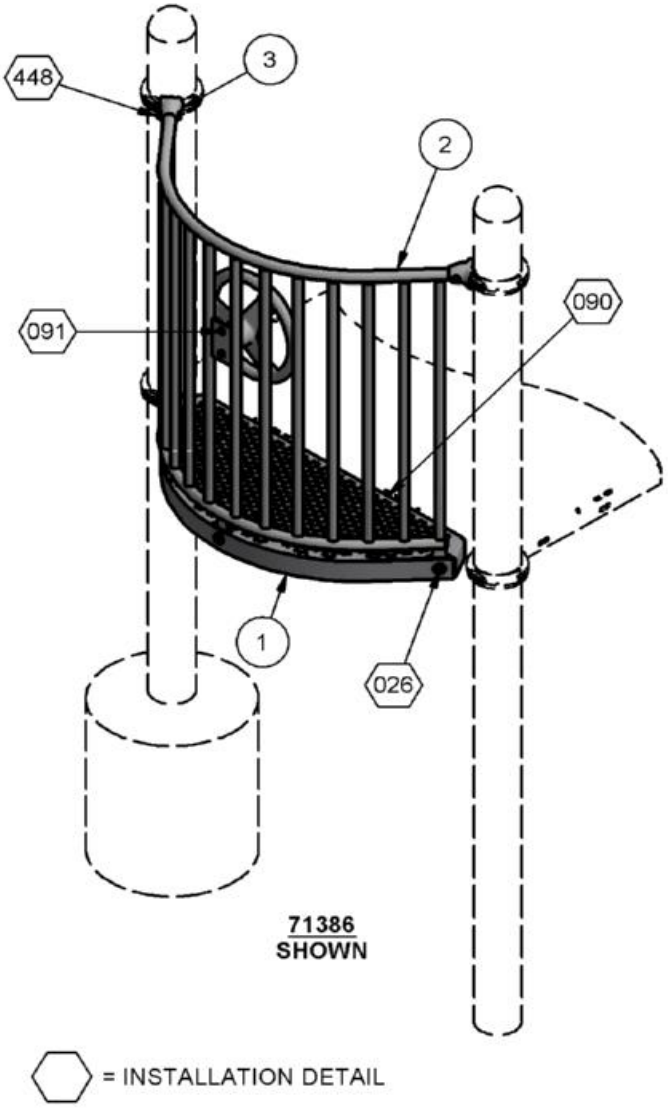
5.When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See a Deck Clamp subassembly sheet. It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them. Eliminate sharp points and sharp 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.

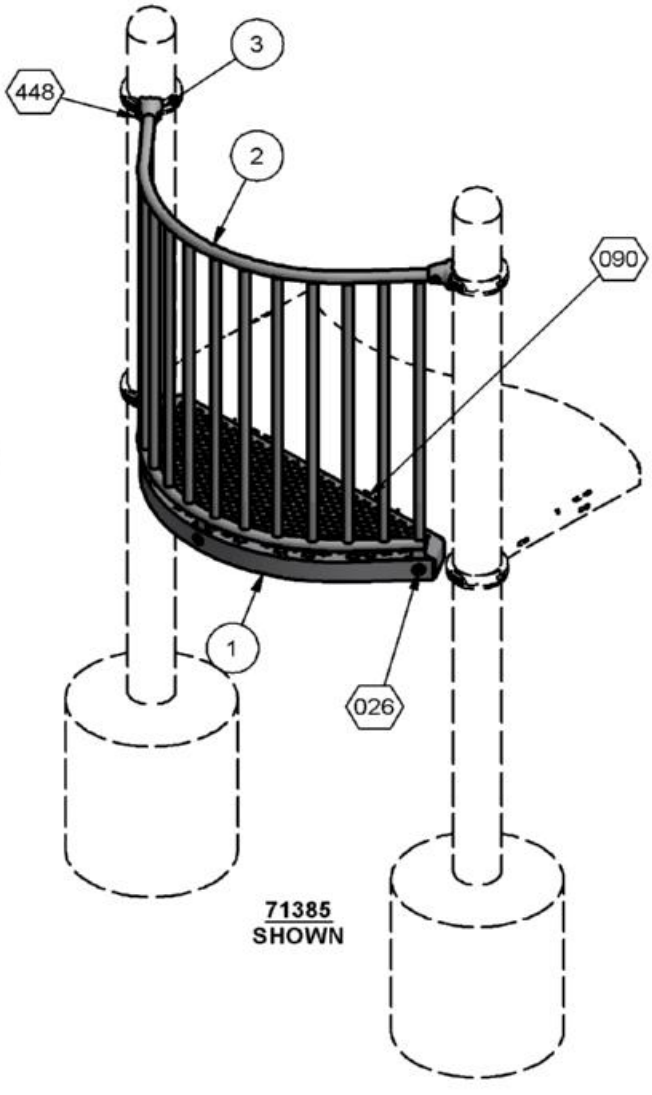
# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL

***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. Also 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.



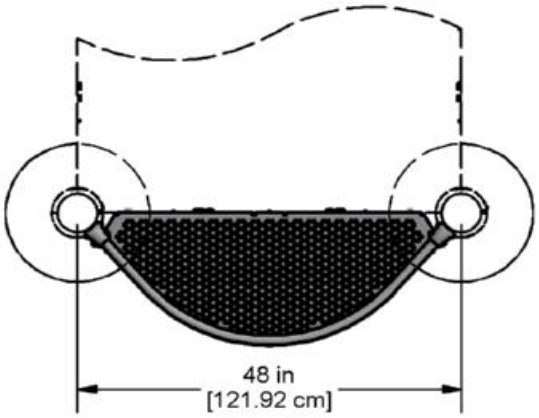

**71386**
**SHOWN**



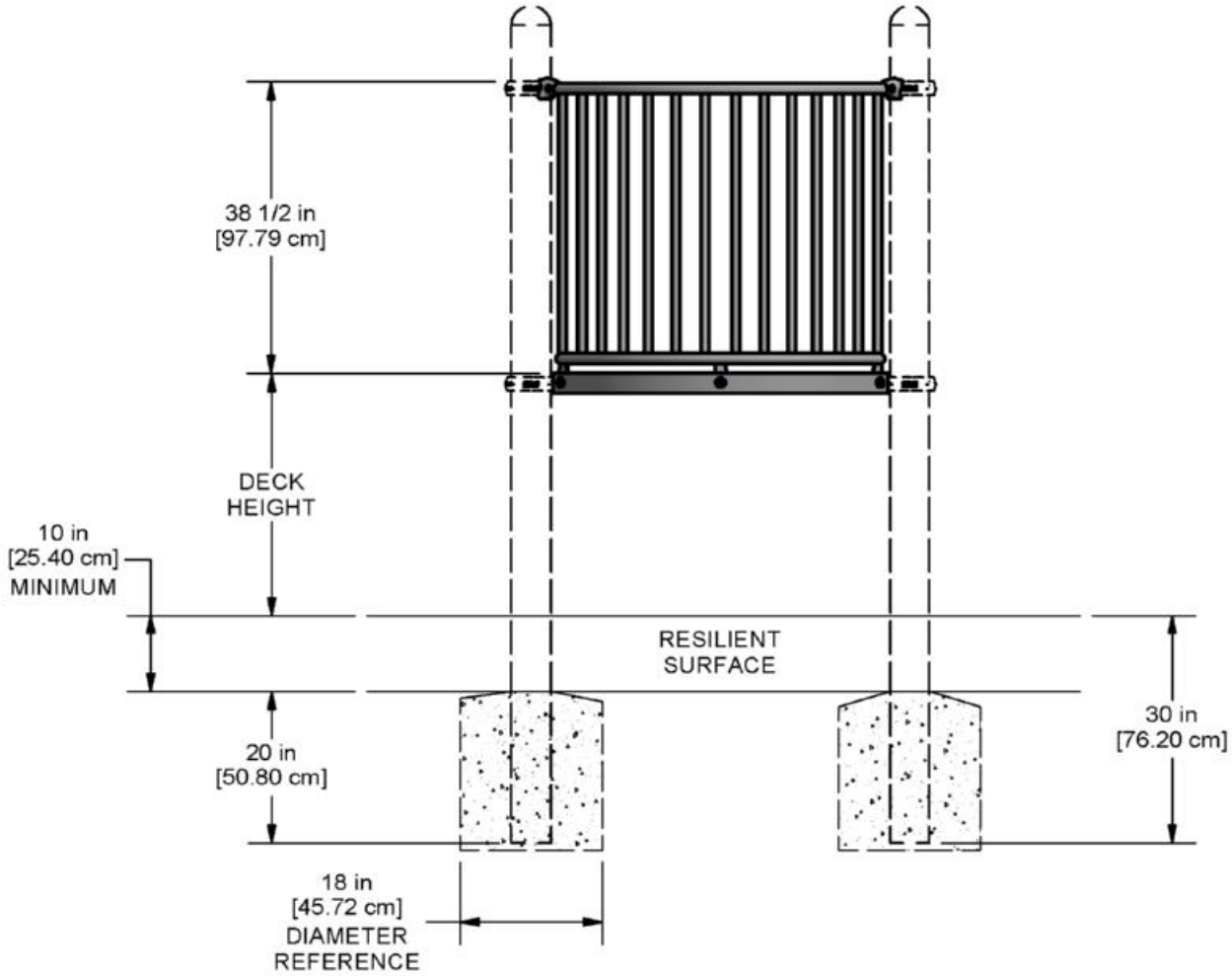

**71385**
**SHOWN**

⬡ = INSTALLATION DETAIL

# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL

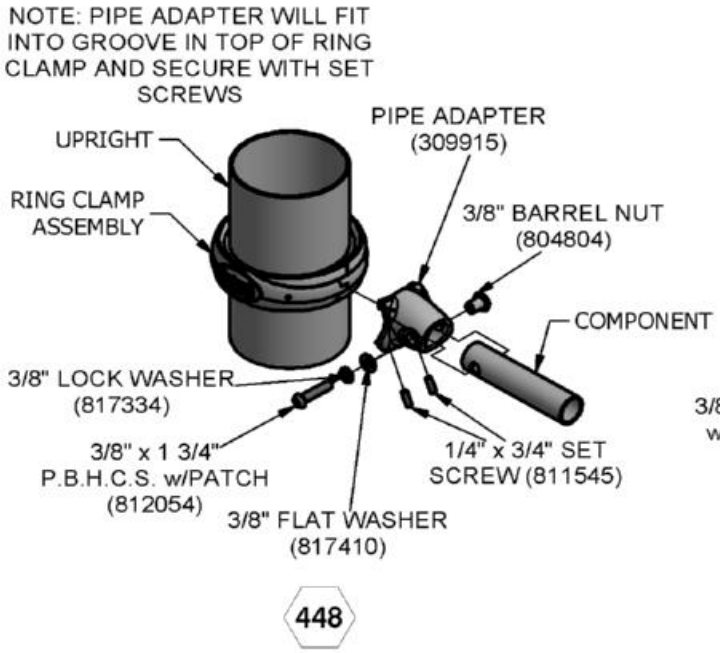



***PLAN VIEW***

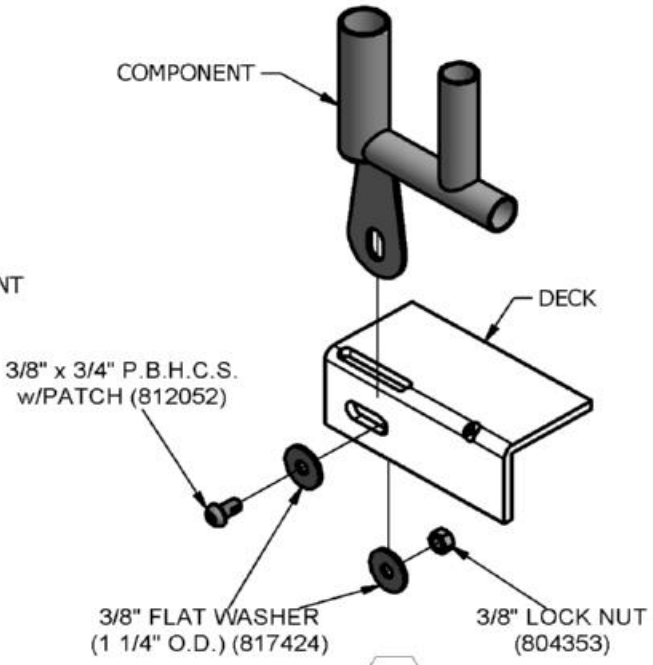



***ELEVATION VIEW***

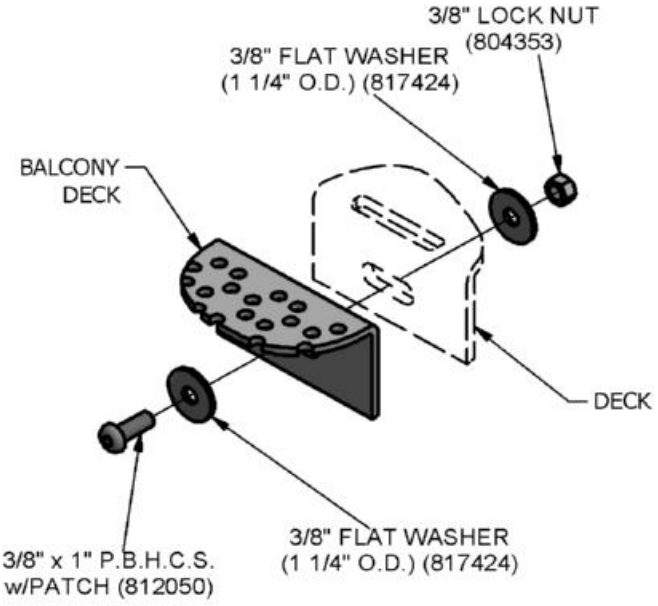
# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL



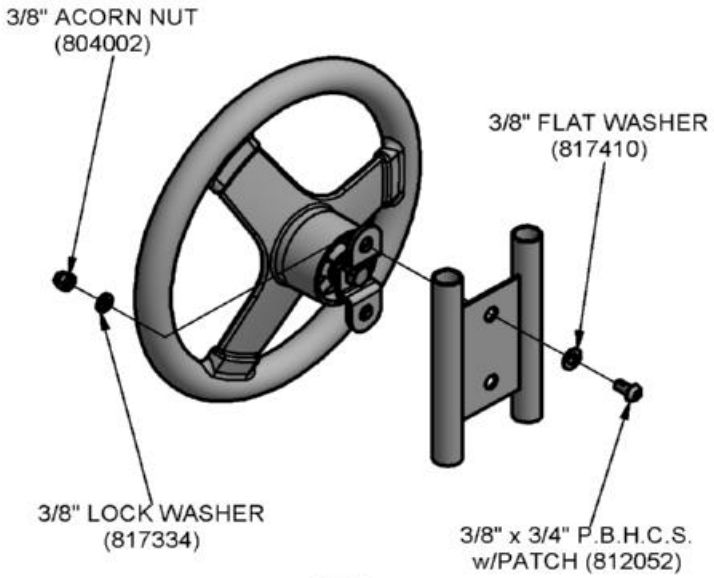

448




026




090




091

SuperMax Play Systems

# 71395 Mini Panel
## For Small Activities, See Installation Sheet 7200

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | MINI AMAZE PANEL | 1 | 307676 |
| 2 | MOUNTING BRACKET | 2 | 404388 |
| 3 | RING HALF CLAMP | 2 | 309913 |
| | -----HARDWARE COMPLETE----- | 1 | 310746 |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302 |
| | 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" FLAT WASHER | 6 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" BARREL NUT | 2 | 804804 |
| | 3/8" HEAVY HEX NUT | 4 | 804200 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

***INSTALLATION INSTRUCTIONS:***

1. Select the appropriate Upright Post to receive the Mini Panel. Refer to your overhead drawing for location.

2. Mark position of Clamps on the Upright Post. See Elevation Views.

3. Attach Mounting Bracket to Upright using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Heavy Hex Nuts as shown in Detail 475.

4. Attach Mini Panel to Bracket using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 539.

5. Plumb and level the Mini Panel, then tighten all fasteners.

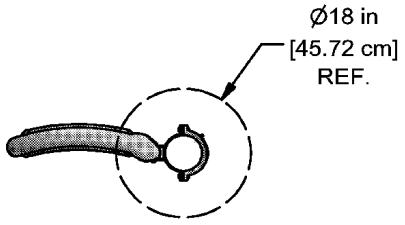
When structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp 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*.

***MAINTENANCE PROCEDURE:***

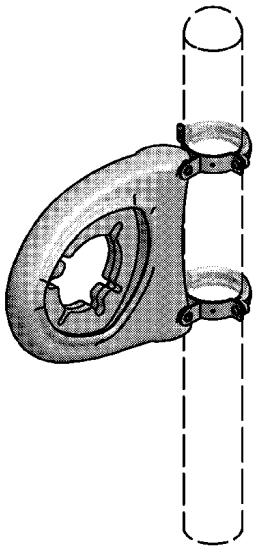
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

# 71395 Mini Panel
## For Small Activities, See Installation Sheet 7200

NOTE:
OPENING ON PANEL MUST BE FILLED WITH A SMALL ACTIVITY BEFORE PLAYGROUND IS OPERATIONAL.

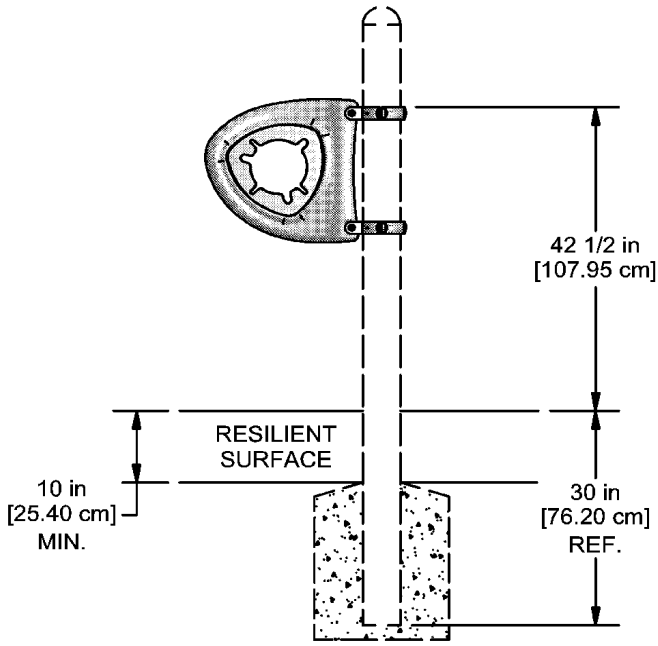



***PLAN VIEW***



UPRIGHT
SOLD SEPERATELY

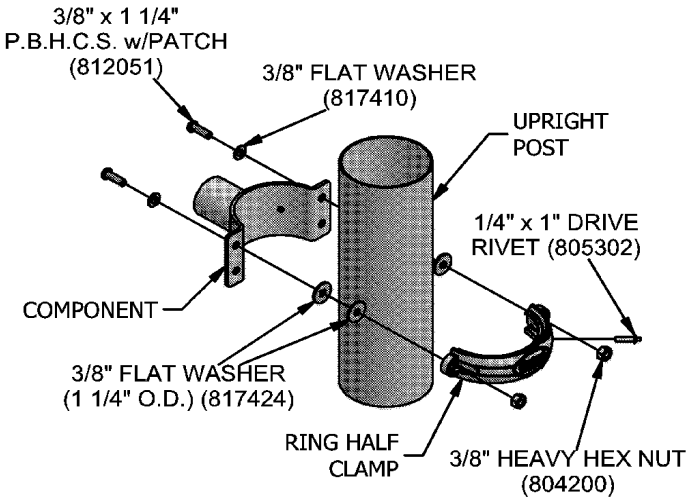
***FINISHED ASSEMBLY***



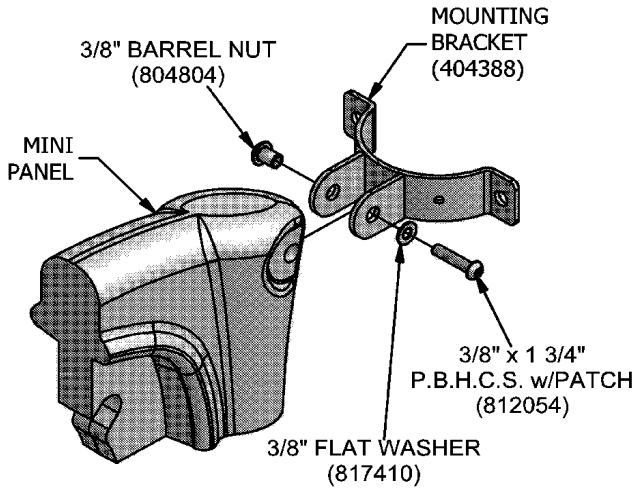

***ELEVATION VIEW***

⬡ = INSTALLATION DETAIL

# 71395 Mini Panel
## For Small Activities, See Installation Sheet 7200




475




539

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 71464 Slide Transfer

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| TRANSFER PLATFORM | 1 | 311035 |
| UPRIGHT ASSEMBLY | 2 | 309704 |
| BARRIER | 2 | 311045 |
| DECK ADAPTER | 4 | 309921 |
| PIPE ADAPTER | 4 | 309915 |
| ALUMINUM END CAP | 4 | 212993 |
| ——HARDWARE COMPLETE—— | 1 | 311052 |
| 1/4" x 3/4" SET SCREW | 16 | 811545 |
| 3/8" x 3/4" P.B.H.C.S w/PATCH | 2 | 812052 |
| 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 | 4 | 812054 |
| 3/8" FLAT WASHER | 4 | 817410 |
| 3/8" LOCK WASHER | 8 | 817334 |
| 3/8" FLAT WASHER (1 1/4" OD) | 8 | 817424 |
| 3/8" BARREL NUT | 4 | 804804 |
| 3/8" LOCK NUT | 2 | 804353 |
| 3/16" x 13/32" DRIVE RIVET | 8 | 805366 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Slide Transfer, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Hook Deck Adapters onto lower Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 447.

4. Attach Transfer Platform to Deck Adapters using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Washers as shown in Detail 447. Keep Slide Transfer supported.

5. Attach Pipe Adapters to Barrier using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washers, and 3/8" Barrel Nut as shown in Detail 448. Be aware of orientation as it is critical. Hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Barrier to side of Slide Transfer using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nuts as shown in Detail 026.

6. Attach Upright Assemblies by Hooking Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448 and attaching Deck Adapters to Slide Transfer using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Washers as shown in Detail 447. Attach Caps to uprights using Detail 597.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

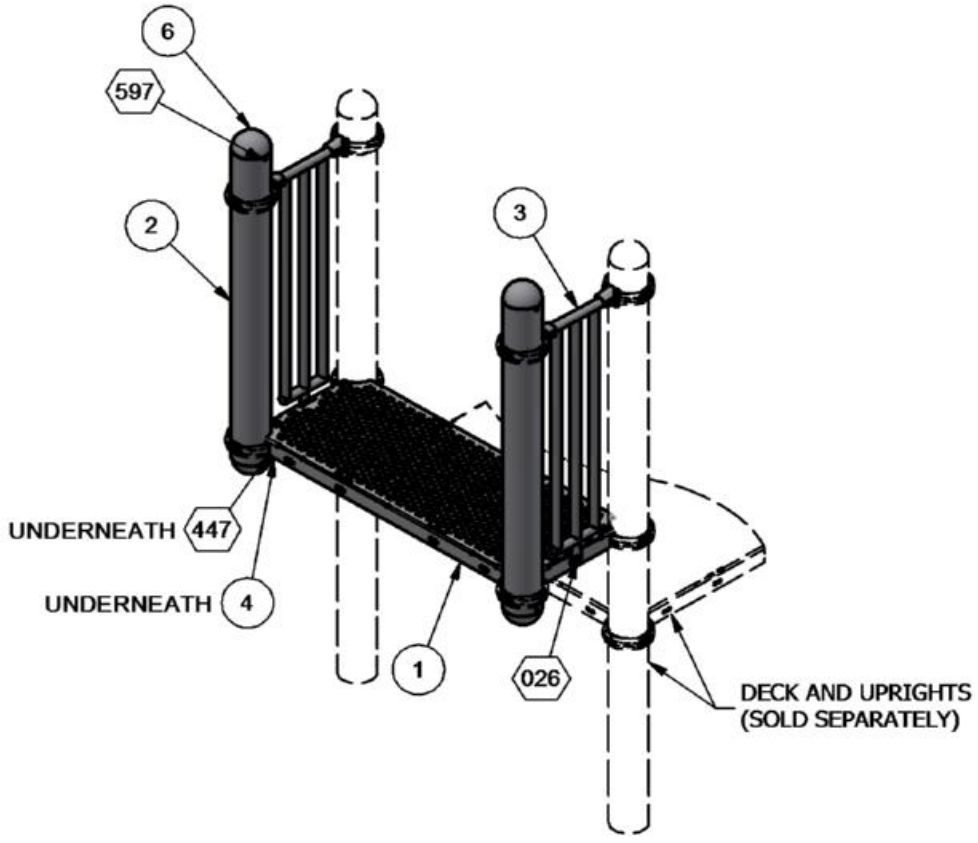
# 71464 Slide Transfer

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.* Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

***MAINTENANCE PROCEDURE:***

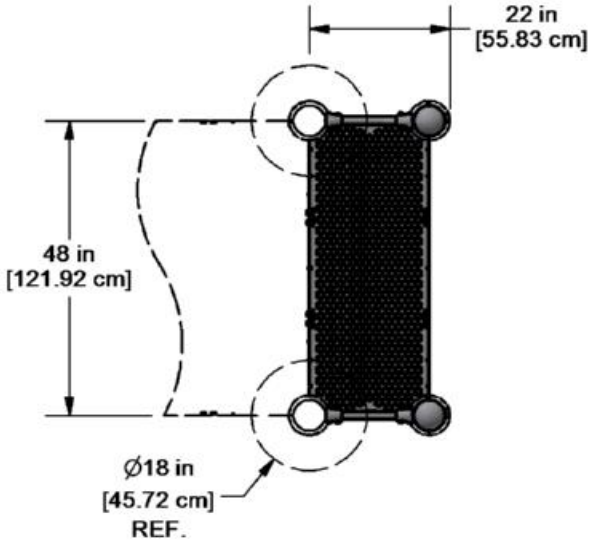
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.



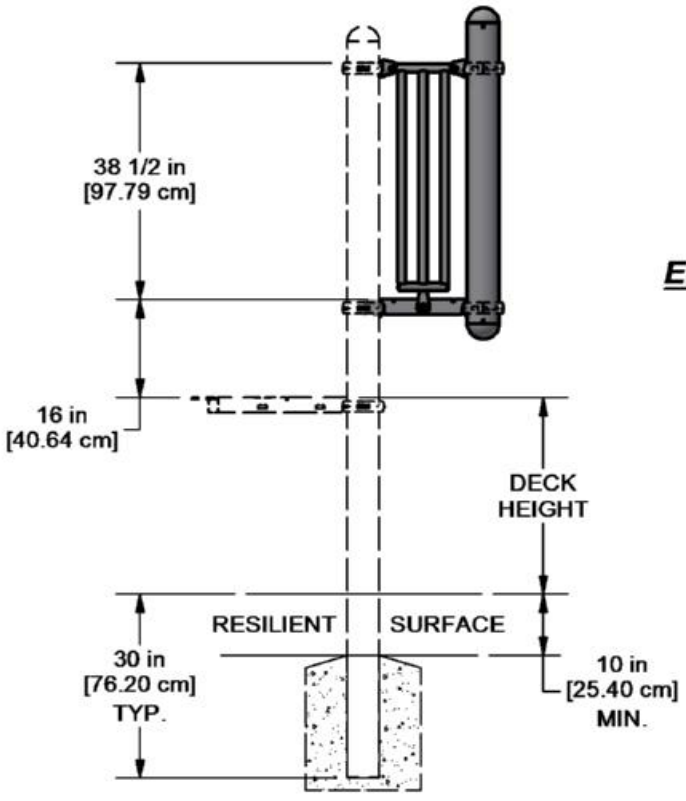

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71464 Slide Transfer

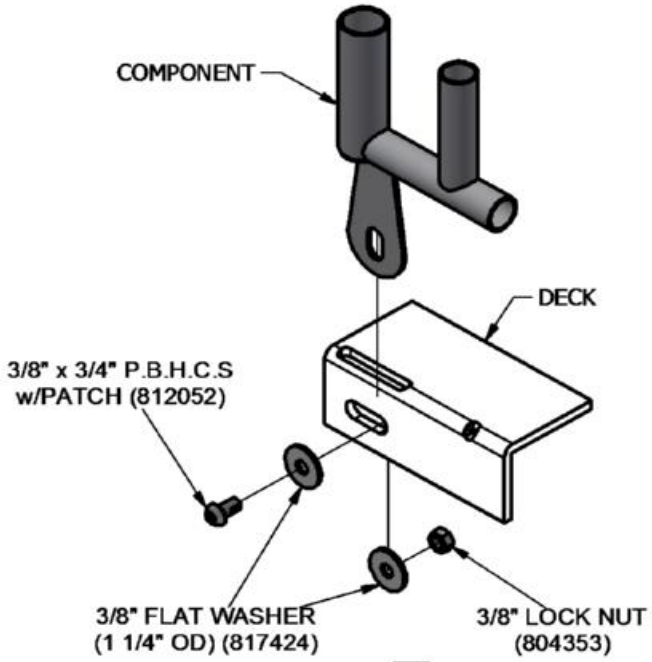



***PLAN VIEW***

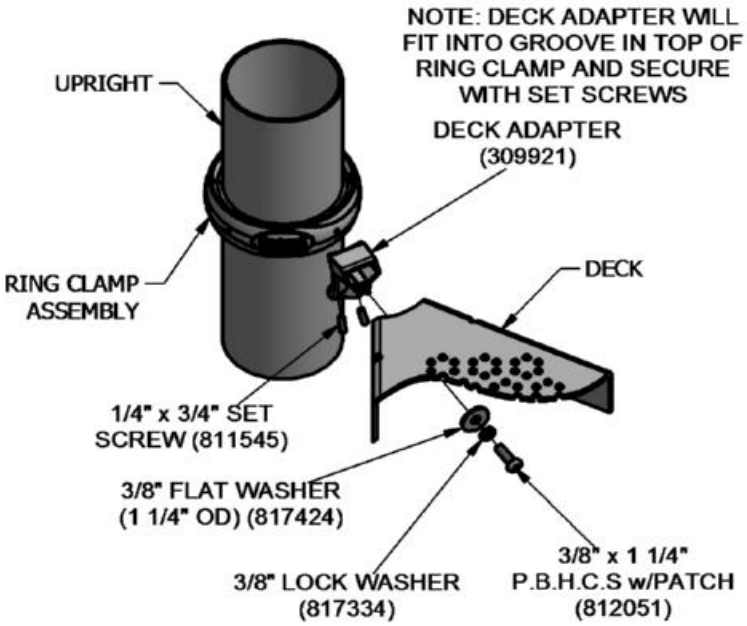



***ELEVATION VIEW***

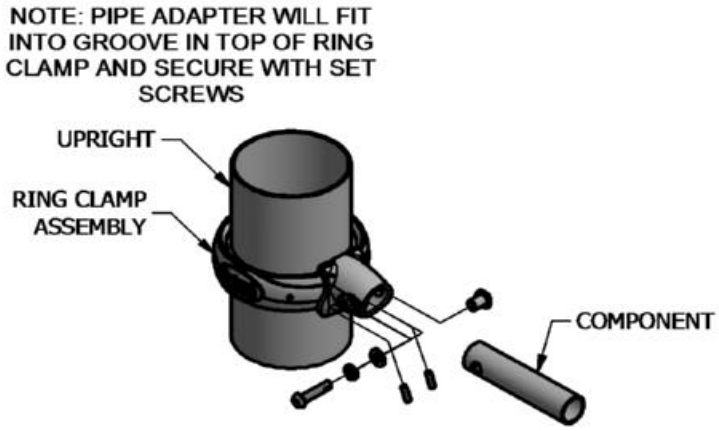
# 71464 Slide Transfer



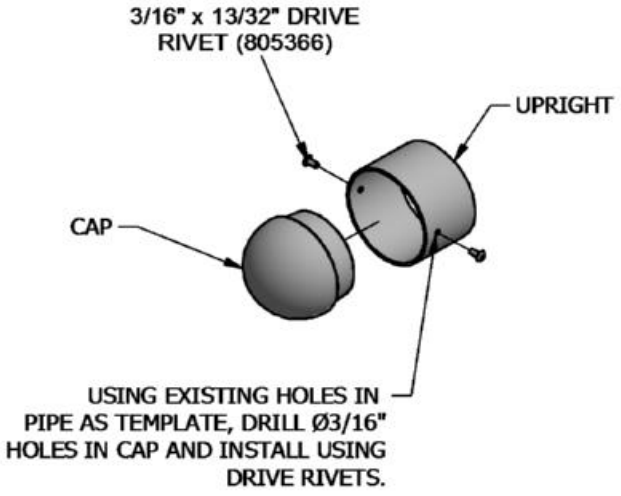

026




447




448




597

# 71503 Flat Cap Package

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | COATED FLAT CAP | 1 | 139454 |
| 2 | 1/4" x 3/4" DRIVE RIVET | 2 | 168449 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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:***

1. Assemble using Drive Rivets as shown in Detail 622.

2. Drive Rivets must not interfer with Ring Clamp.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

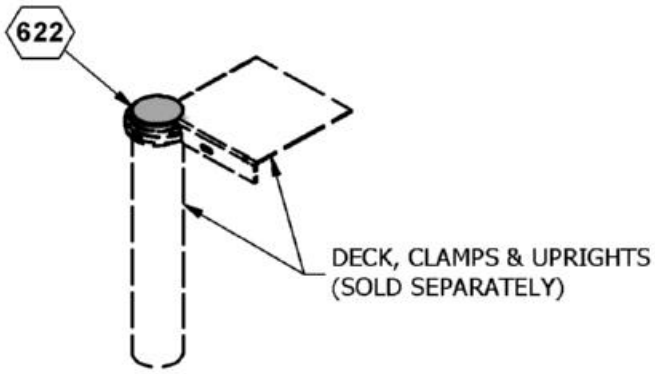
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

# 71503 Flat Cap Package

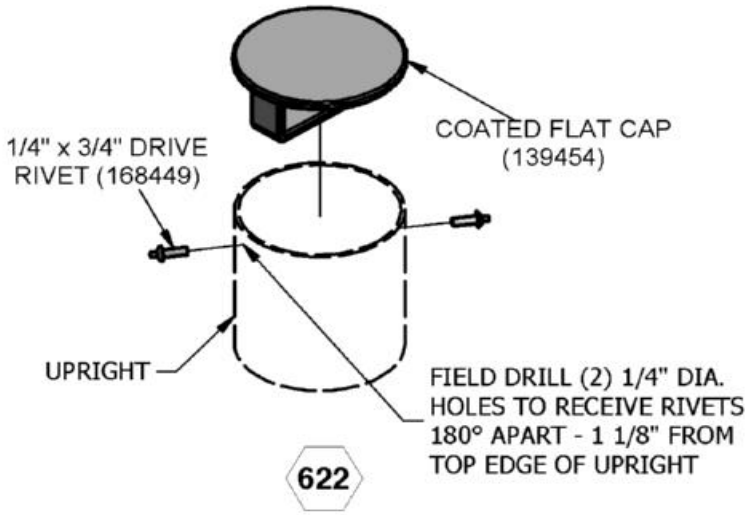
***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.




GENERIC LENGTH POST SENT WITH ORDER. IF REQUIRED, CUT POSTS TO CORRECT LENGTH. TOP OF CAP MUST BE FLUSH WITH TOP SURFACE OF DECK.

***FINISHED ASSEMBLY***




⬡ = INSTALLATION DETAIL

SuperMax Play Systems

# 71671 SINGLE CASCADE ENTRANCE

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SECTIONAL ENTRANCE | 1 | 205960 |
| PANEL ADAPTER | 2 | 309919 |
| SLIDE HOOD | 1 | 312484 |
| ***HARDWARE COMPLETE*** | 1 | 312596* |
| 1/4" x 3/4" SET SCREW | 4 | 811545* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 812053* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| 3/8" FLAT WASHER | 2 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 3/8" BARREL NUT | 2 | 804804* |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

***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:***

1. Determine which deck is to receive the Landslide Entrance and dig footing at location shown in Top View. Refer to the Elevation View for footing depth.
2. Using a 7/16" drill bit, ream out any excess Plastisol coating from all holes used on deck. Be careful not to expose the steel.
3. Attach Ring Clamps to the Uprights. See Ring Clamp Installation sheet.
3. Attach Panel Adapters to the Ring Clamps using 1/4" x 3/4" Set Screws. See Detail 672.
4. Attach Slide Hood to Panel Adapters using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 672.
5. Attach Sectional Entrance to Deck using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 136.
6. Attach Sectional Entrance to Slide Hood using 3/8" x 1 3/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 673.
7. Plumb and level the entire assembly and tighten all fasteners.
8. 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.

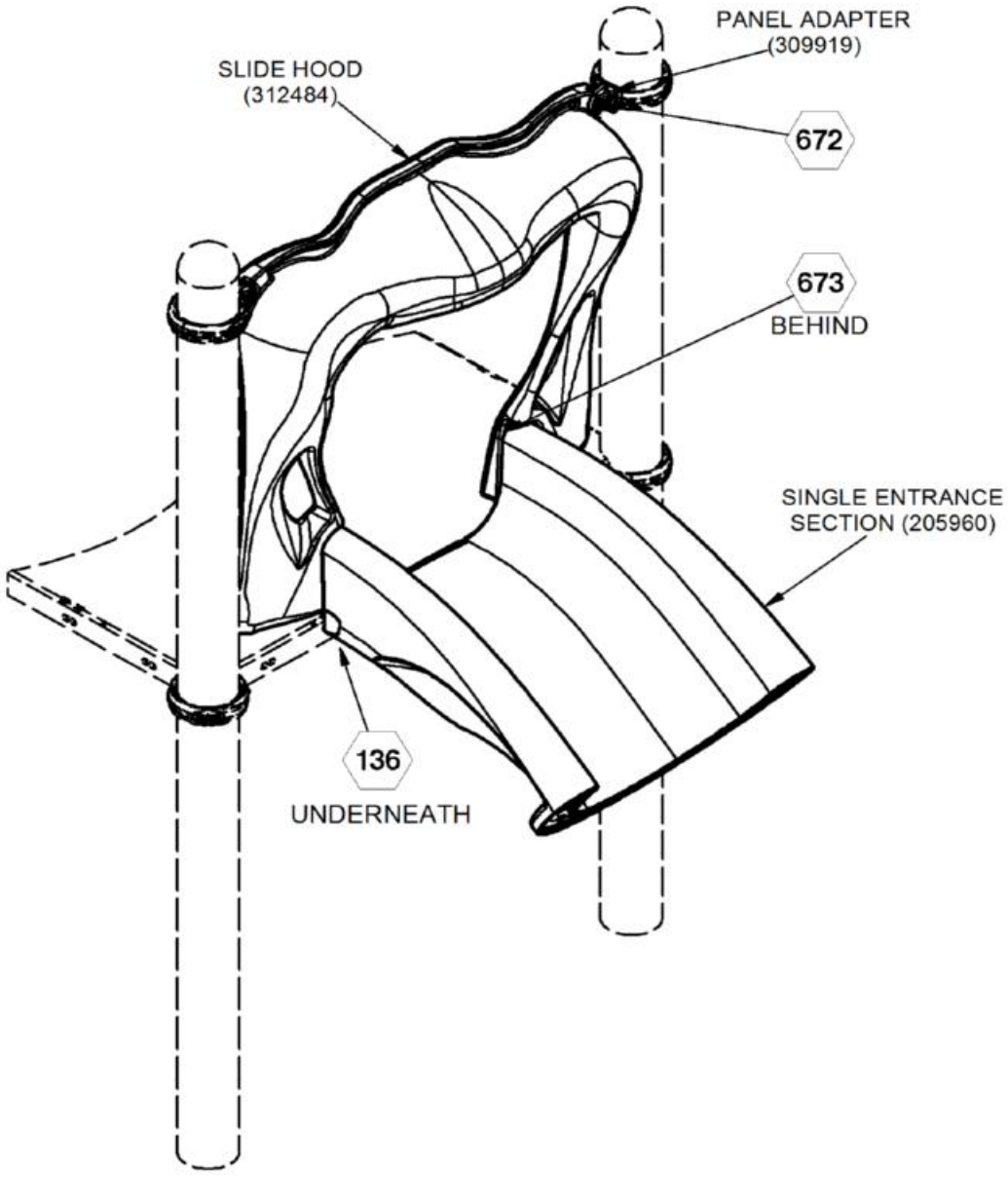
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

9. When the structure is finished and satisfactory, Install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structures in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

# 71671 SINGLE CASCADE ENTRANCE

***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. Also 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.

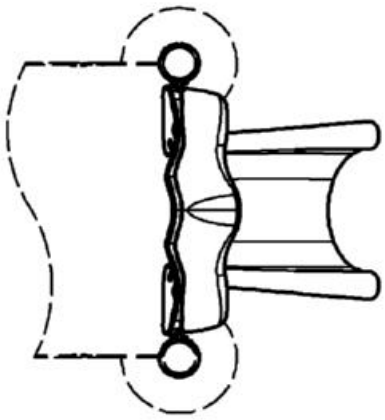



= INSTALLATION DETAIL

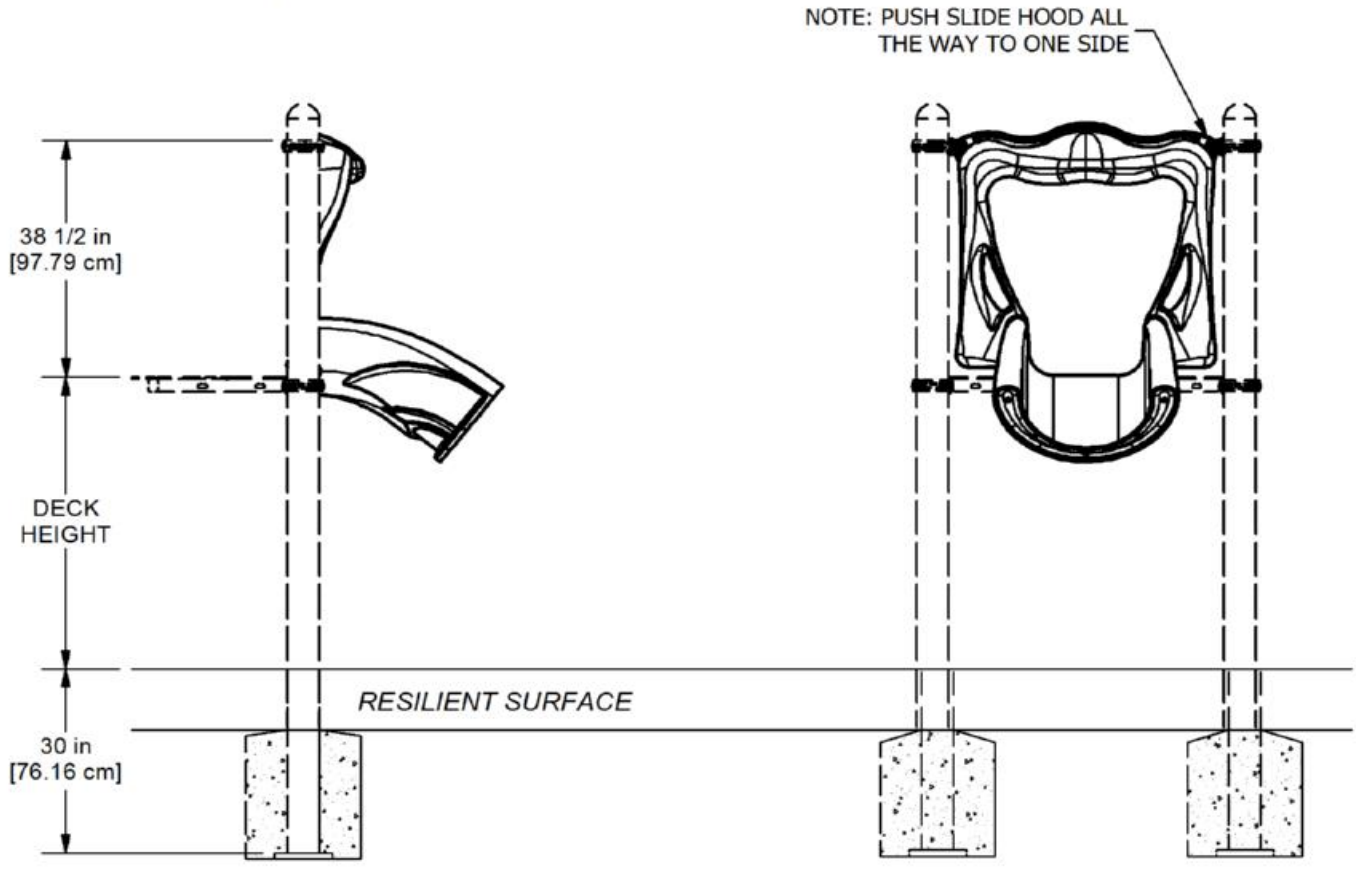
***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71671 SINGLE CASCADE ENTRANCE

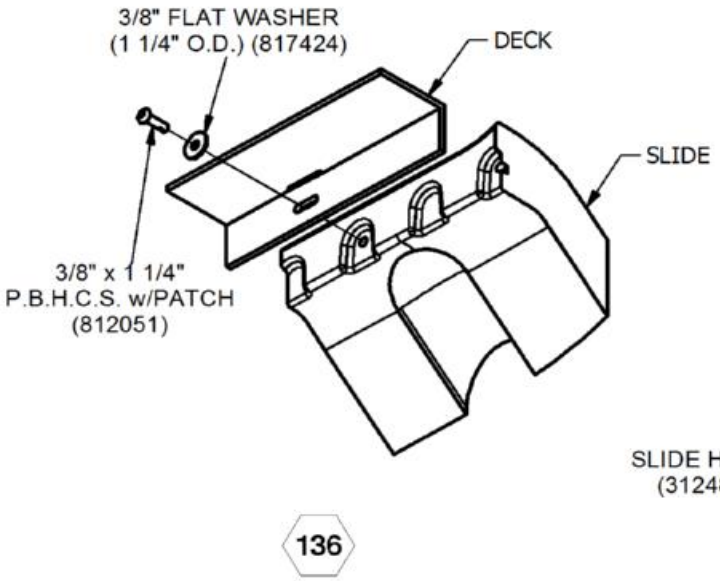


***PLAN VIEW***

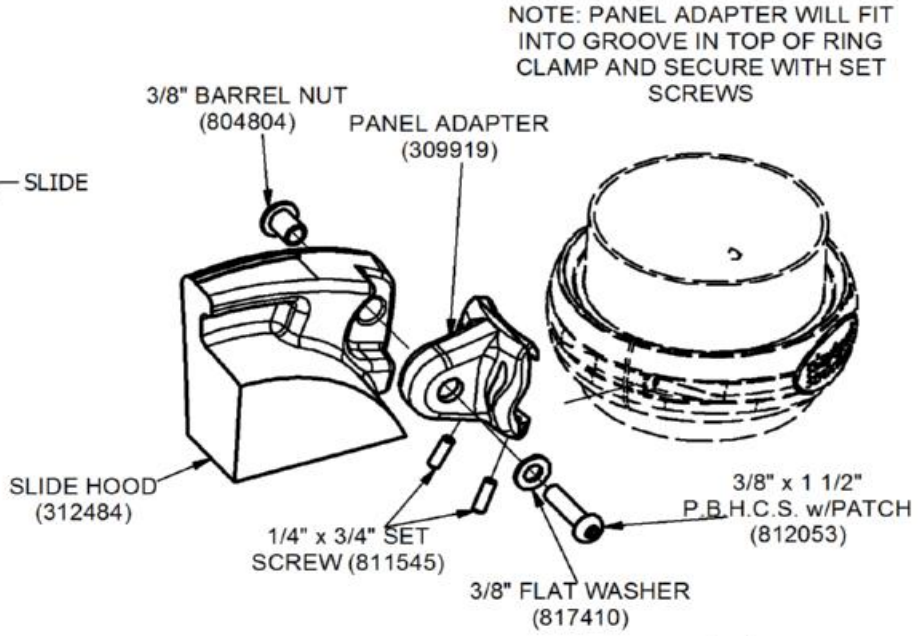



***ELEVATION VIEW***

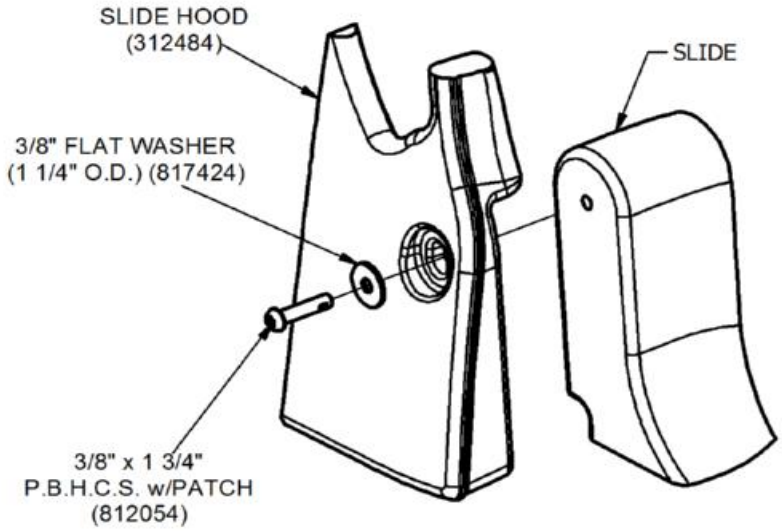
# 71671 SINGLE CASCADE ENTRANCE




136




672




673

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

| Parts List | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | 71674 | 71715 | 71675 | 71676 | 71677 | 71678 | 71902 | 71903 | 72207 | 72209 | 72210 | PART NUMBER |
| FOOTBUCK WELD ASS'Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 204879 |
| 1' STRAIGHT SECTION | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205962 |
| CURVED LEFT SECTION | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205963 |
| CURVED RIGHT SECTION | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205964 |
| SPIRAL SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206170 |
| EXIT SECTION | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 206179 |
| 2' STRAIGHT SECTION | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207601 |
| LONG EXIT SECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 211303 |
| SUPPORT PIPE WELD ASSEMBLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 220777 |
| SUPPORT ASS'Y 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 312634 |
| SUPPORT ASS'Y 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 312637 |
| FOOTBUCK | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 312779 |
| BANKED CASCADE EXIT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 316987 |
| FOOTBUCK A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317194 |
| FOOTBUCK B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317197 |
| FOOTBUCK C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317200 |
| SURGE SLIDE FOOTBUCK EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 317203 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207032 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207033 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 207035 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 207036 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 312781 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 312782 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 317204 |
| 6" EXTENSION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 151080 |
| EXTENSION LEG | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 152110 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 6 | 0 | 0 | 812052 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 2 | 4 | 4 | 4 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 812050 |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 812055 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 812056 |
| 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 801009 |
| 3/8" x 2 3/4" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 801010 |
| 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 801013 |
| 3/8" FLATWASHER | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 4 | 0 | 2 | 2 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 6 | 6 | 6 | 6 | 0 | 0 | 6 | 5 | 0 | 0 | 817424 |
| 3/8" LOCK WASHER | 5 | 5 | 5 | 5 | 5 | 2 | 2 | 10 | 14 | 2 | 2 | 817334 |
| 3/8" BARREL NUT LONG | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 804820 |
| 3/8" HEX NUT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 804053 |
| 1/2" FLAT WASHER (1 3/8" O.D.) | 6 | 6 | 6 | 6 | 6 | 0 | 0 | 6 | 5 | 0 | 0 | 817425 |

# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Assemble slide sections on the ground. Bolt each section together using 3/8" Barrel Nut, 1/2" Lockwasher, 1/2" Flat Washer, 1/2" Flat Washer (1 3/8" O.D.), and 3/8" x 2 1/2" Threaded Stud. See Detail 787. **Note:** Hand tighten the five bolts that join each section. **Note:** Refer to your unit's top view for proper placement and orientation of each slide section.

2. 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.

3. 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.

4. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 2 and 3 until seams are properly fitted.

5. Attach Footbuck to Exit Section using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, and 3/8" Flatwasher. See Detail 195. **Note:** Check slide exit for proper water drainage before concrete is poured. **Note:** The slope of the exit region shall be between 0 and -10° as measured from a plane parallel to the underlying surface.

***NOTE:*** Cut footbuck pipe and support pipe or adjust depth of footing holes to meet correct exit height as shown on exit height chart.

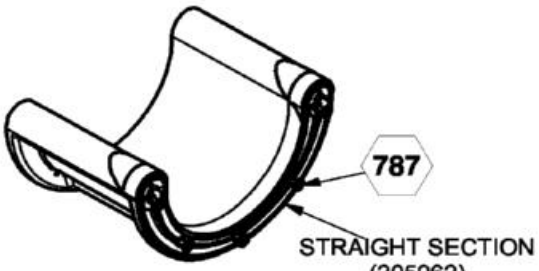
6. After the slide is adjusted and the bolts are tight, attach the slide supports (if required) using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" Flat Washer. See Detail 788. **NOTE: Refer to overall top view for slide support location.**

7. Use Detail 789 to plug inserts in Straight and Curved Sections as required with 3/8" x 1" P.B.H.C.S. w/Patch.

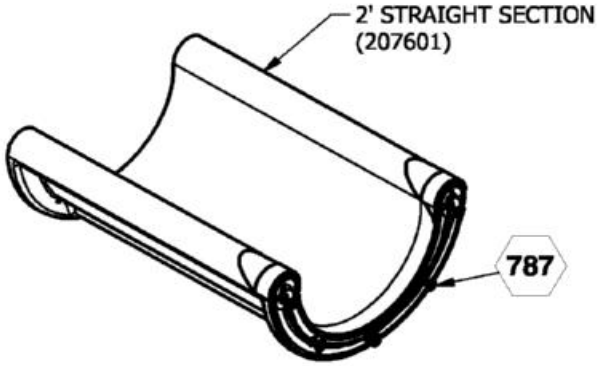
## MAINTENANCE PROCEDURE:

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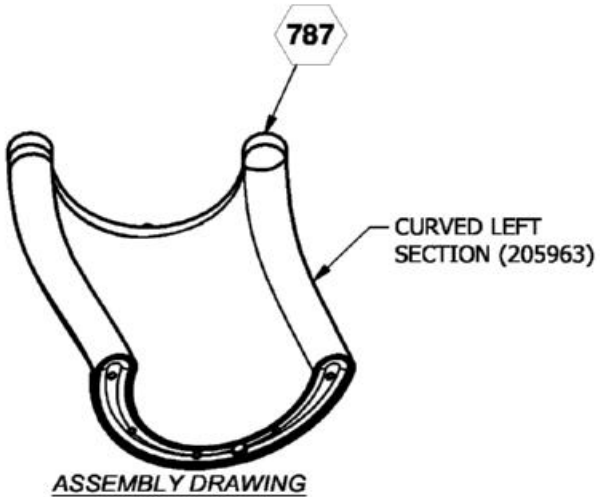
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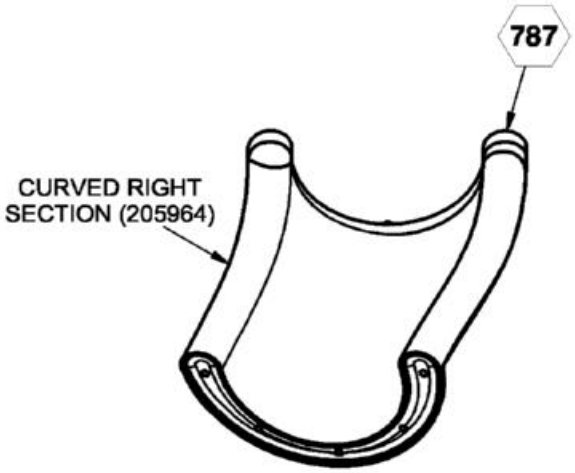

*ASSEMBLY DRAWING*
71674 SHOWN




*ASSEMBLY DRAWING*
71715 SHOWN



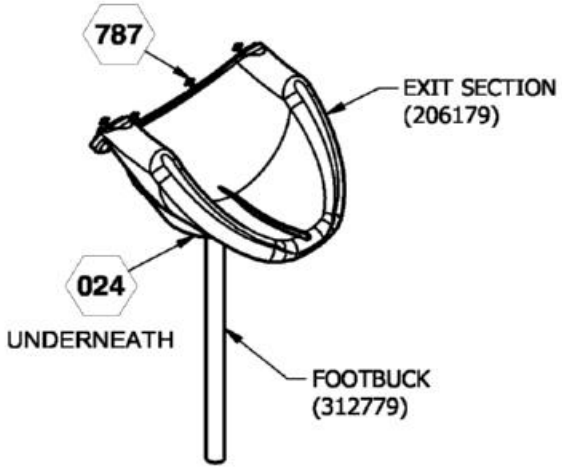

*ASSEMBLY DRAWING*
71675 SHOWN



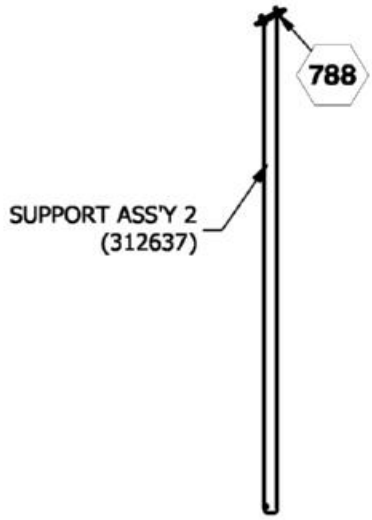

*ASSEMBLY DRAWING*
71676 SHOWN

⬡ = INSTALLATION DETAIL

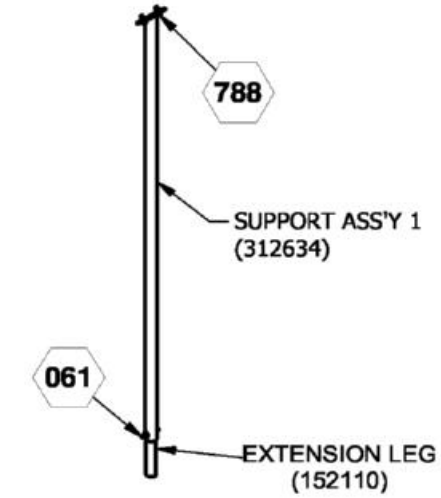
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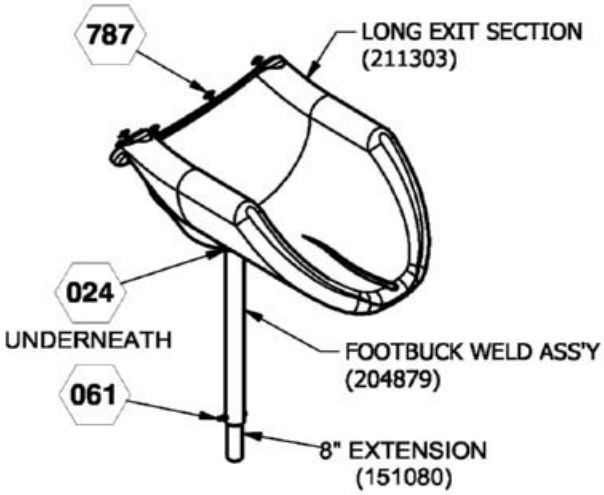

*ASSEMBLY DRAWING*
71677 SHOWN




*ASSEMBLY DRAWING*
71678 SHOWN



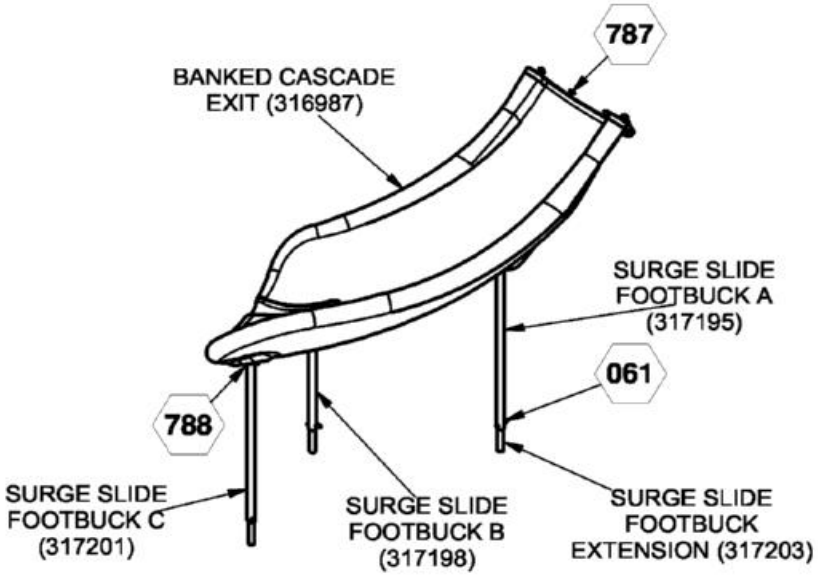

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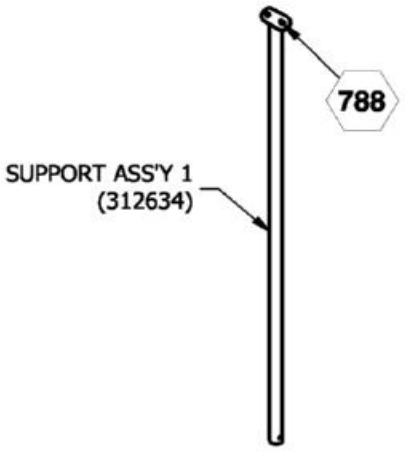

*ASSEMBLY DRAWING*
71903 SHOWN

⬡ = INSTALLATION DETAIL

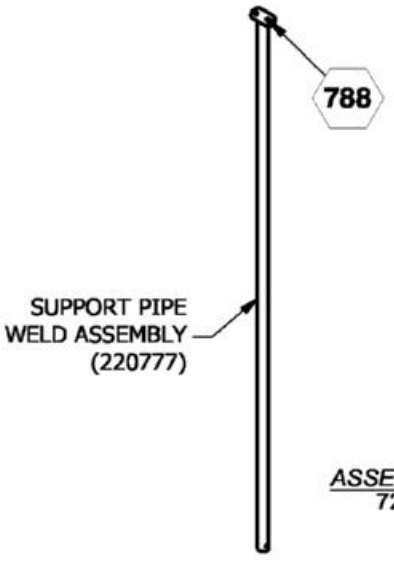
# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION




*ASSEMBLY DRAWING*
72207 SHOWN



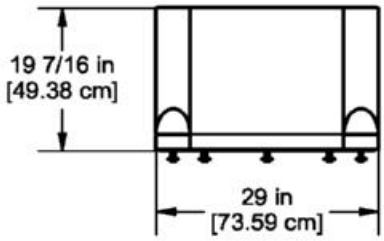

*ASSEMBLY DRAWING*
72209 SHOWN



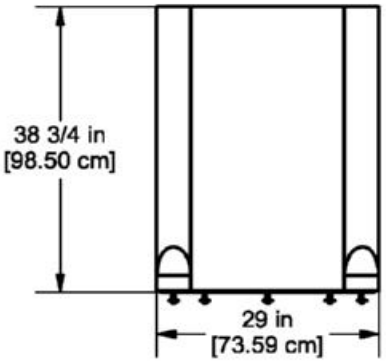

*ASSEMBLY DRAWING*
72210 SHOWN

⬡ = INSTALLATION DETAIL

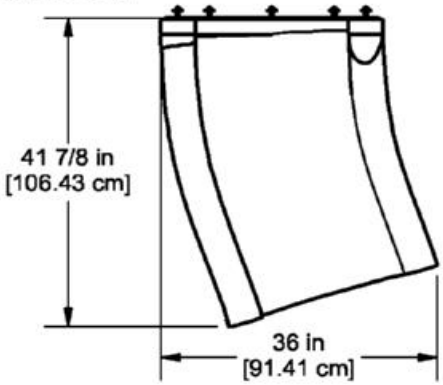
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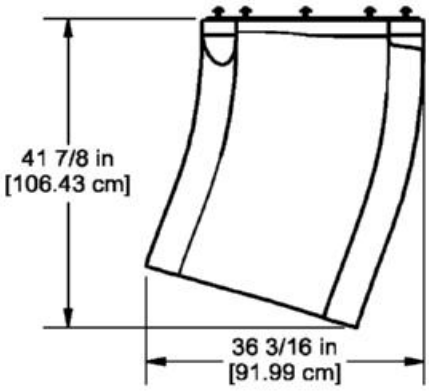

**71674**



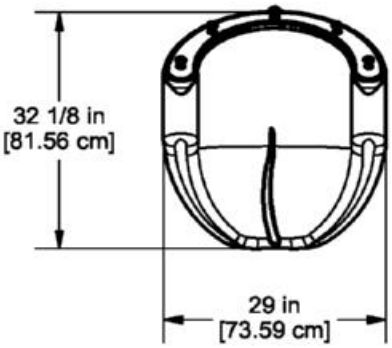

**71715**



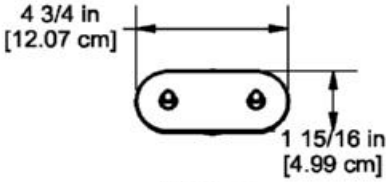

**71675**



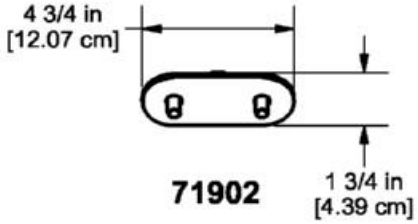

**71676**



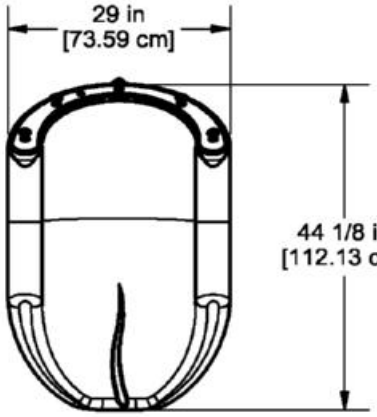

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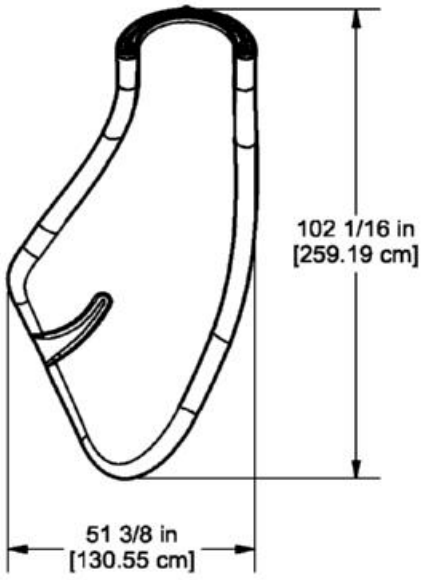

**71678**




**71902**



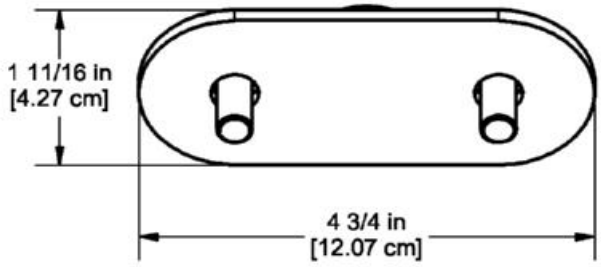

**71903**



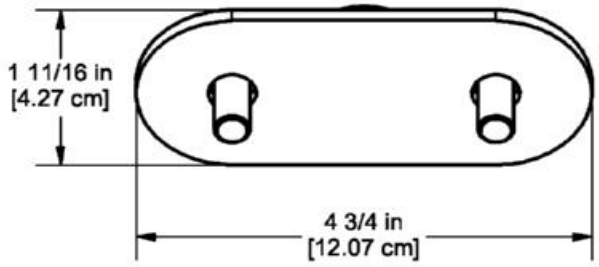

**72207**

***TOP VIEWS***

# *71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION*




**72209**




**72210**

***TOP VIEWS***

# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

| EXIT HEIGHT CHART -for- 4' and Under | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |

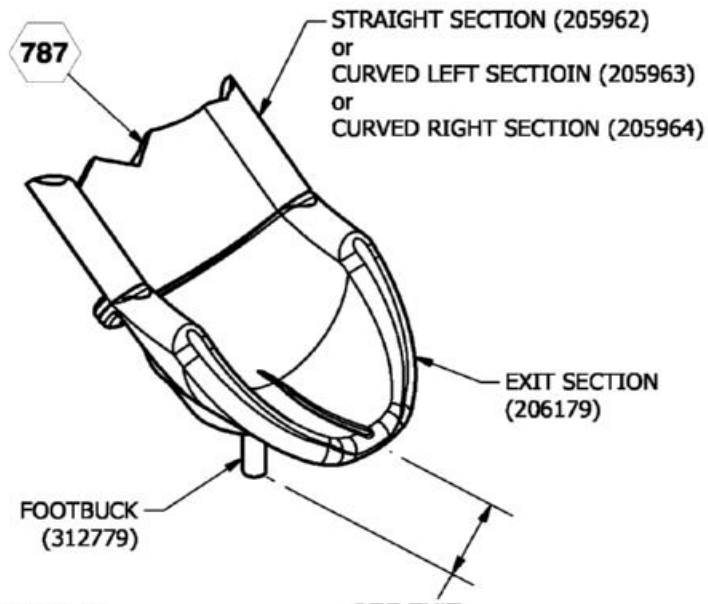
| EXIT HEIGHT CHART -for- 4' 8" and Over | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |

**NOTE:** BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.

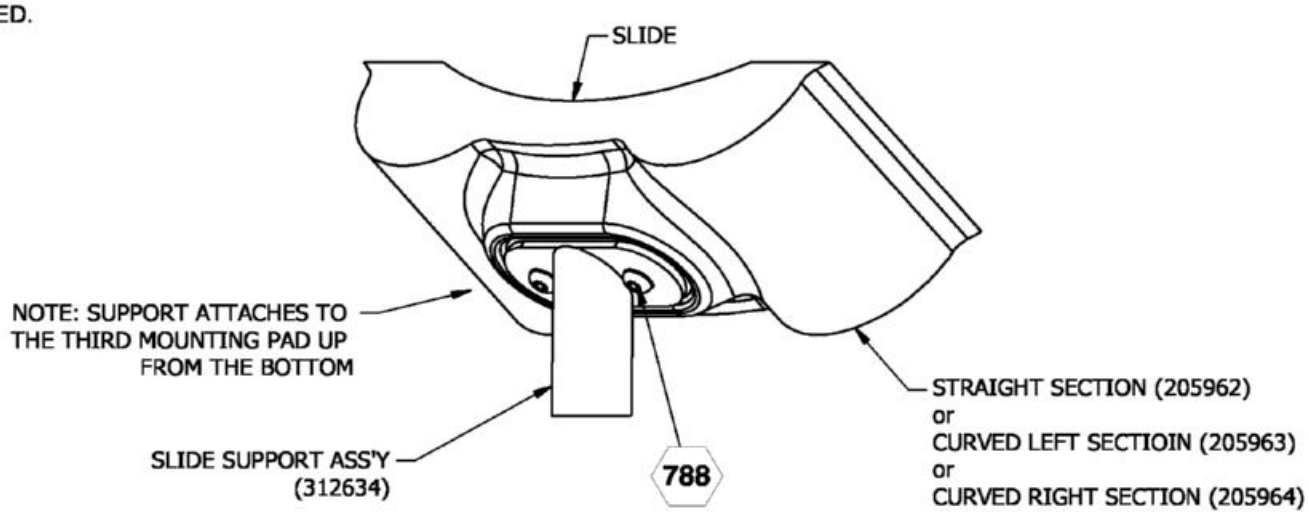
**NOTE:** THE SLOPE OF THE EXIT REGION SHALL BE BETWEEN 0 AND -10° AS MEASURED FROM A PLANE PARALLEL TO THE UNDERLYING SURFACE.

**NOTE:** CUT FOOTBUCK AND SUPPORT PIPE OR ADJUST DEPTH OF FOOTING HOLES TO MEET CORRECT EXIT HEIGHT AS SHOWN ON EXITH HEIGHT CHART.

**NOTE:** CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS POURED.




EXIT SECTION
***ASSEMBLY DRAWING***




SLIDE SUPPORT
***ASSEMBLY DRAWING***

# *71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION*

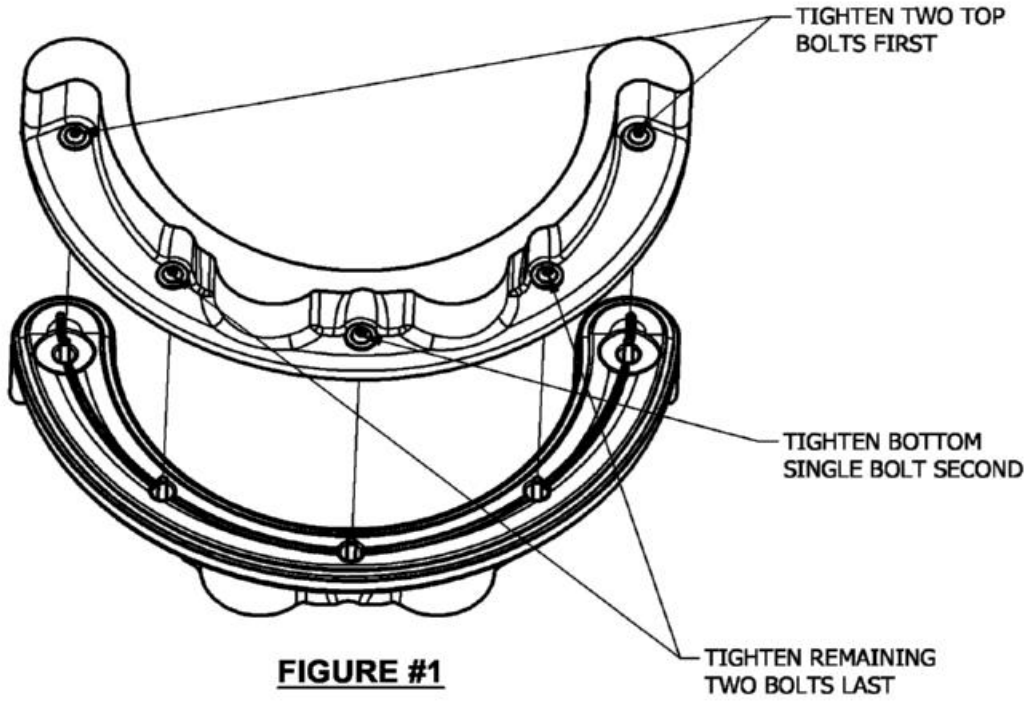



**FIGURE #1**

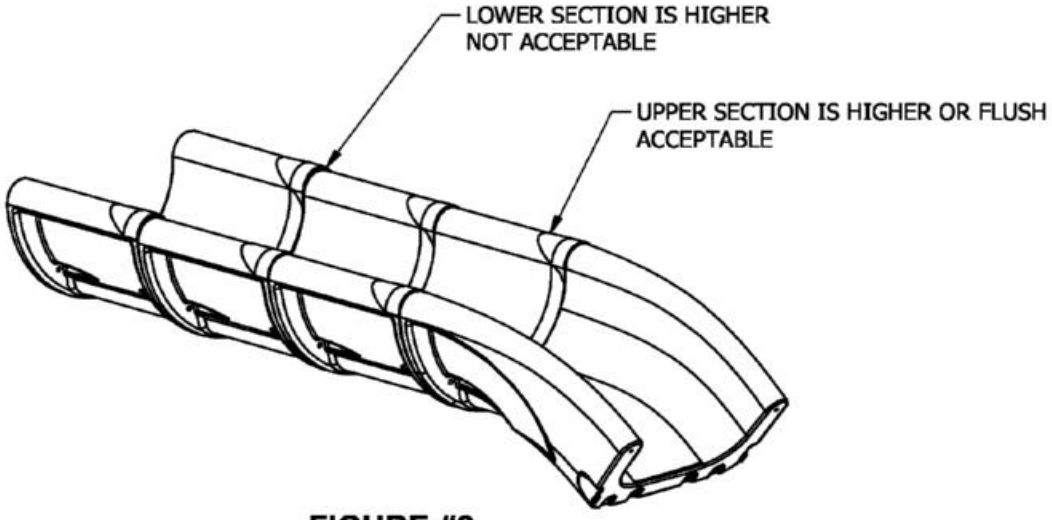
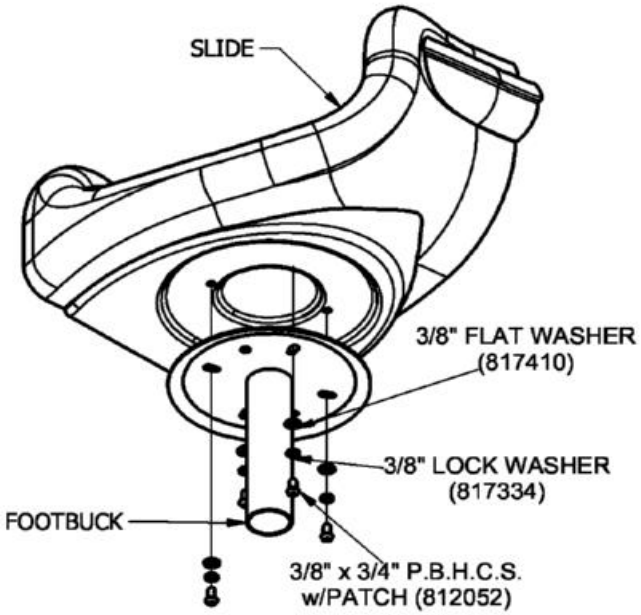



**FIGURE #2**

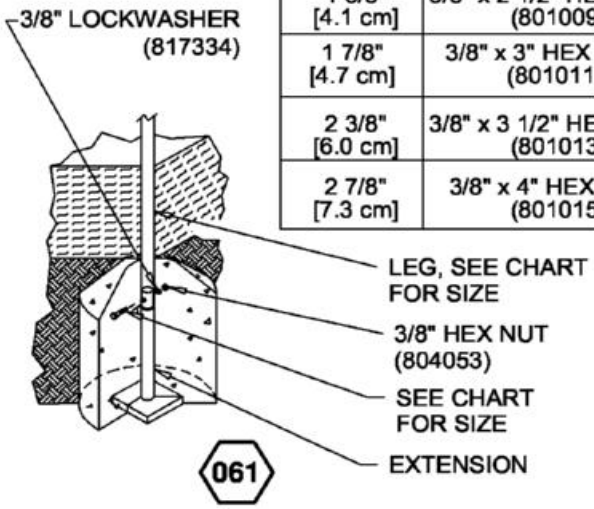
# 71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



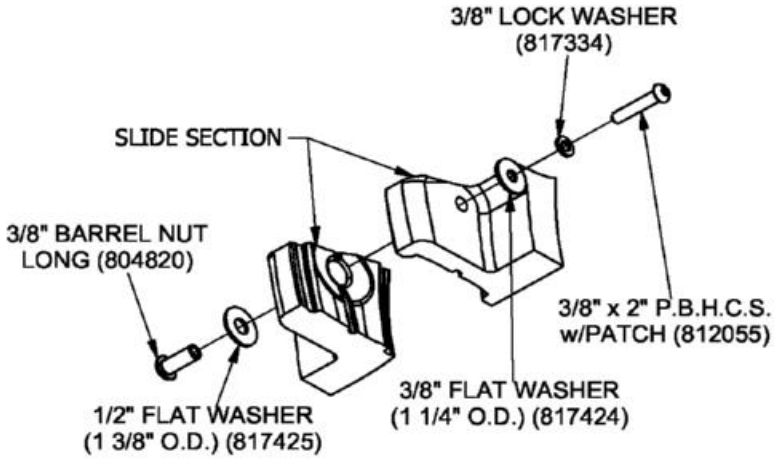

SOME SLIDES WILL ONLY HAVE TWO BOLTS PER FOOTBUCK CONNECTION

024

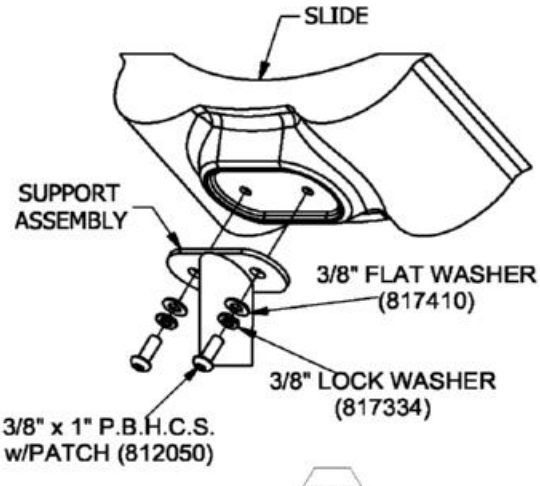
| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [4.7 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |
| 2 7/8" [7.3 cm] | 3/8" x 4" HEX HEAD (801015) |




061

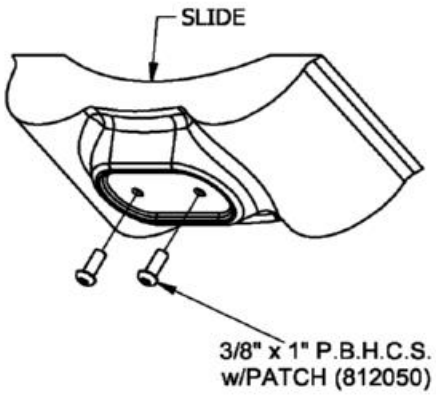



787




788

# *71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION*




789

SuperMax Play Systems

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4") DOUBLE VELOCITY SLIDE

| Parts List | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION | 71680 | 71681 | 71682 | 71683 | 71684 | PART NUMBER |
| 3' DOUBLE VELOCITY SLIDE | 1 | 0 | 0 | 0 | 0 | 176401 |
| 4' DOUBLE VELOCITY SLIDE | 0 | 1 | 0 | 0 | 0 | 176188 |
| 5' DOUBLE VELOCITY SLIDE | 0 | 0 | 1 | 0 | 0 | 176189 |
| 6' DOUBLE VELOCITY SLIDE | 0 | 0 | 0 | 1 | 0 | 176158 |
| 7'-4" DOUBLE VELOCITY SLIDE | 0 | 0 | 0 | 0 | 1 | 176259 |
| FOOTBUCK PLATE | 2 | 2 | 2 | 2 | 2 | 223226 |
| LASER CUT FOOT BUCK PIPE, 34 1/4" | 2 | 0 | 0 | 2 | 0 | 223452 |
| FOOTBUCK PIPE, 32" | 0 | 2 | 0 | 0 | 0 | 223228 |
| FOOTBUCK PIPE 30.595" | 0 | 0 | 2 | 0 | 2 | 224589 |
| PANEL ADAPTER | 2 | 2 | 2 | 2 | 2 | 309919 |
| DOUBLE ENTRANCE SLIDEHOOD | 1 | 1 | 1 | 1 | 1 | 312730 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 1 | 0 | 317246 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 1 | 317247 |
| EXTENSION LEG | 0 | 0 | 2 | 0 | 2 | 152110* |
| 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 4 | 4 | 811545* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 8 | 812052* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 812051* |
| 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 2 | 2 | 2 | 2 | 2 | HWS0081* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 812054* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 812055* |
| 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 0 | 2 | 0 | 2 | 801009* |
| 3/8" LOCK WASHER | 8 | 8 | 10 | 8 | 10 | 817334* |
| 3/8" FLAT WASHER | 10 | 10 | 10 | 10 | 10 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 6 | 6 | 6 | 6 | 817424* |
| 3/8" BARREL NUT | 2 | 2 | 2 | 2 | 2 | 804804* |
| 3/8" HEX NUT | 0 | 0 | 2 | 0 | 2 | 804053* |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4") DOUBLE VELOCITY SLIDE

***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Double Curved Slide and dig footing at location shown in Top View. Refer to the Elevation View for footing depth.

2. Attach Ring Clamps to the Uprights. See Ring Clamp Installation sheet.

3. Attach Panel Adapters to the Ring Clamps using 1/4" x 3/4" Set Screws. See Detail 715.

4. Using Detail 1253, attach Footbuck plate to Double Velocity Slide using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. Attach Footbuck pipe to Footbuck Plate using 3/8" x 1 1/4" Self Tapper Screw.

5. Place Foot Buck into footing holes and attach Double Velocity Slide to Deck as referred in Detail 136, using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.).

6. Attach Extension to Foot buck pipe using 3/8" HEX NUT, 3/8" Lock washer and Bolt Chart using Detail 064.

7. Attach Double Entrance Slide Hood to Panel Adapters using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 715.

8. Attach Double Velocity Slide to Double Entrance Slide Hood using 3/8" x 2" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.) See Detail 716.

9. Plumb and level the entire assembly and tighten all fasteners.

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.

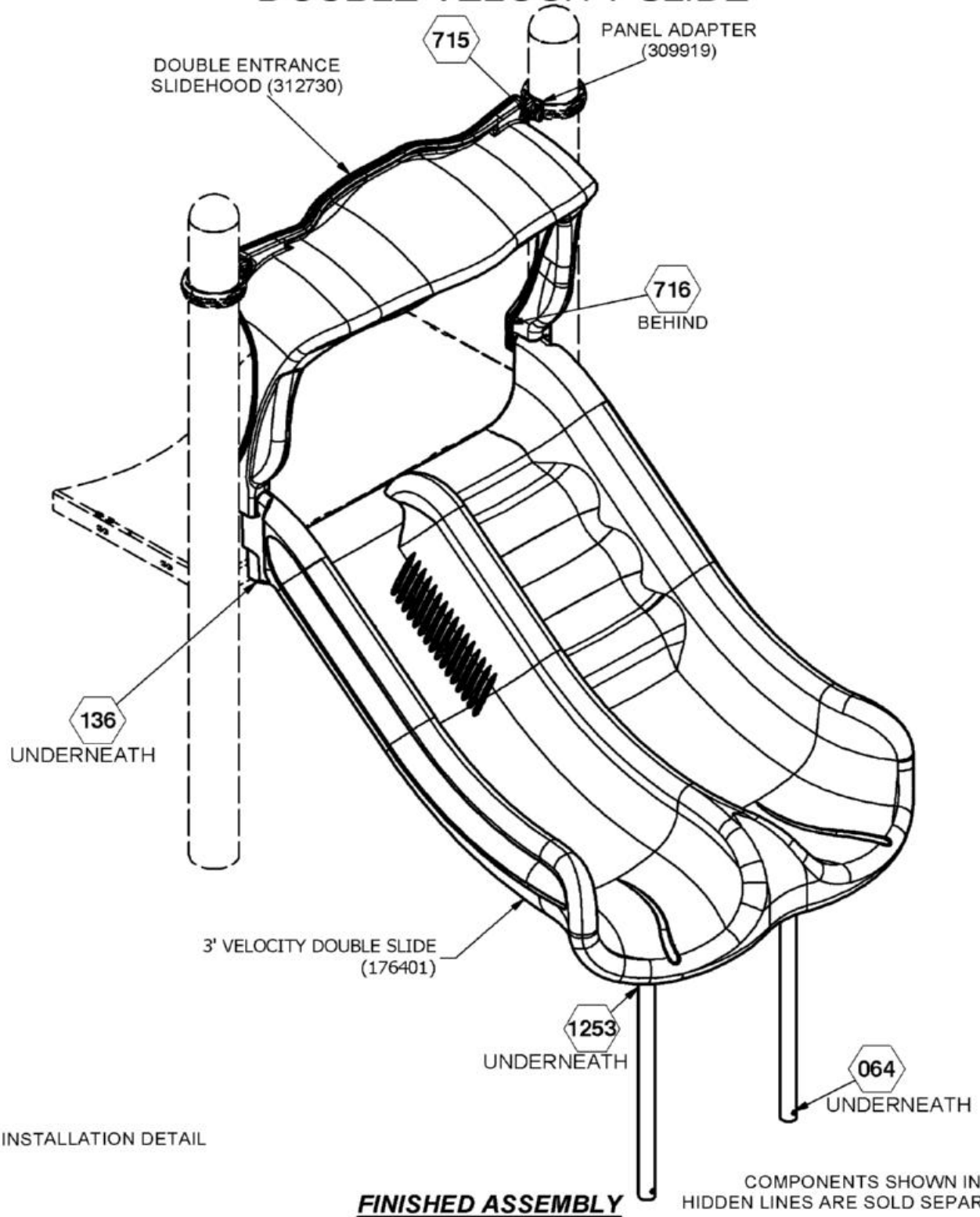
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

11. When the structure is finished and satisfactory, Install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structures in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

## *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. Also 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.

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4")
# DOUBLE VELOCITY SLIDE

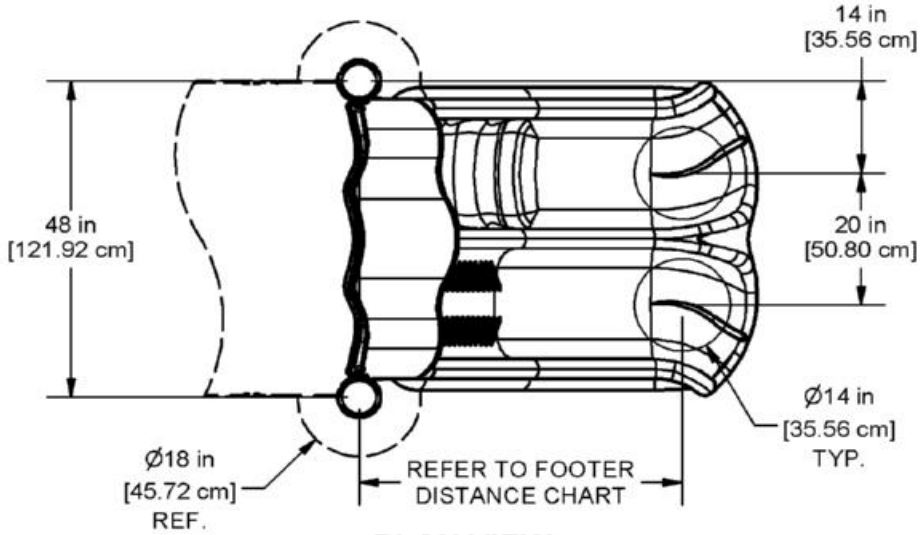



⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***
71680 SHOWN
OTHERS SIMILAR

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4")
# DOUBLE VELOCITY SLIDE



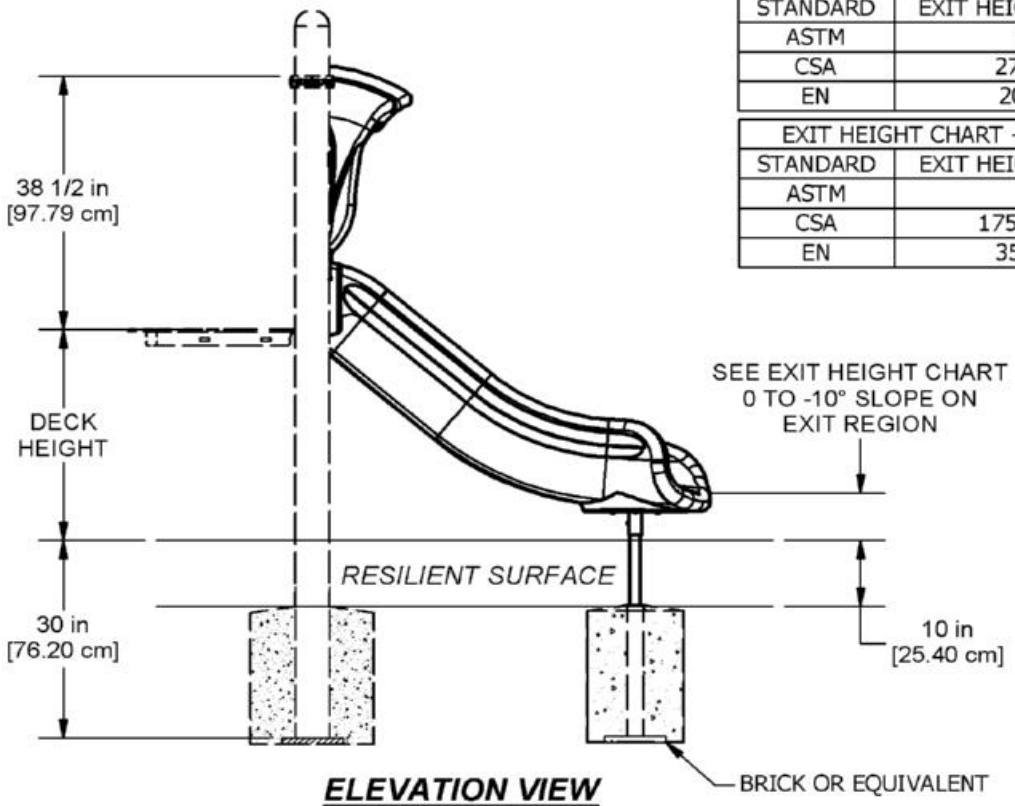

***PLAN VIEW***

| FOOTER DISTANCE | |
|---|---|
| SLIDE | DISTANCE |
| 71680 (2'-8") | 47 1/8 in |
| 71681 (4') | 64 1/8 in |
| 71682 (5'-4") | 81 1/8 in |
| 71683 (6') | 99 3/8 in |
| 71684 (7'-4") | 118 3/4 in |

**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

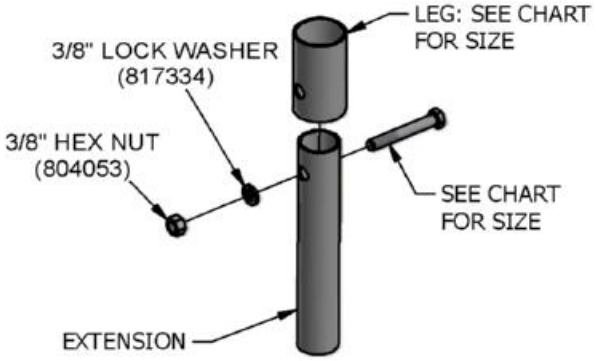
| EXIT HEIGHT CHART -for- 71680 and 71681 | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |

| EXIT HEIGHT CHART -for- 71682 to 71684 | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |



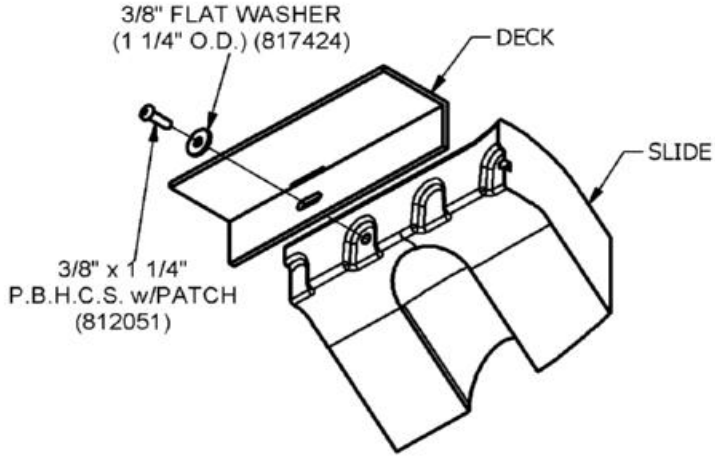

***ELEVATION VIEW***
71680 SHOWN

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4") DOUBLE VELOCITY SLIDE

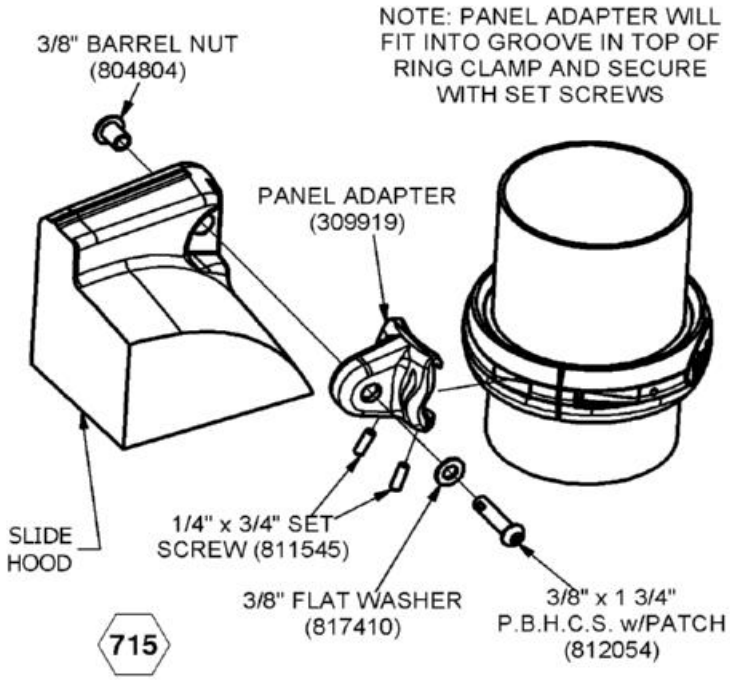



| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [6.0 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |

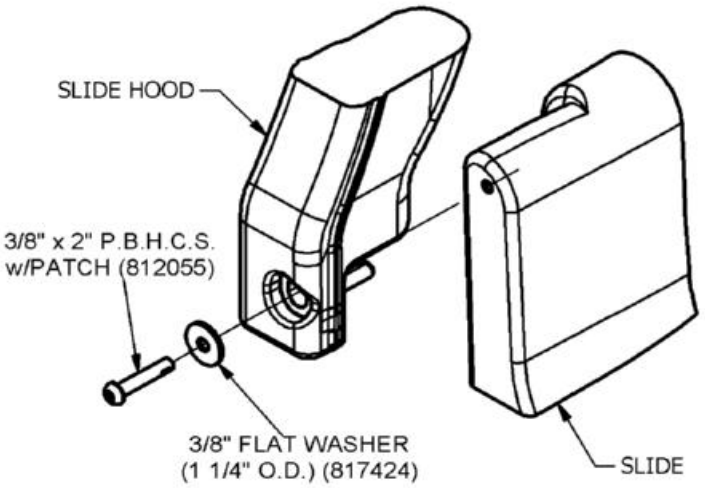
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136

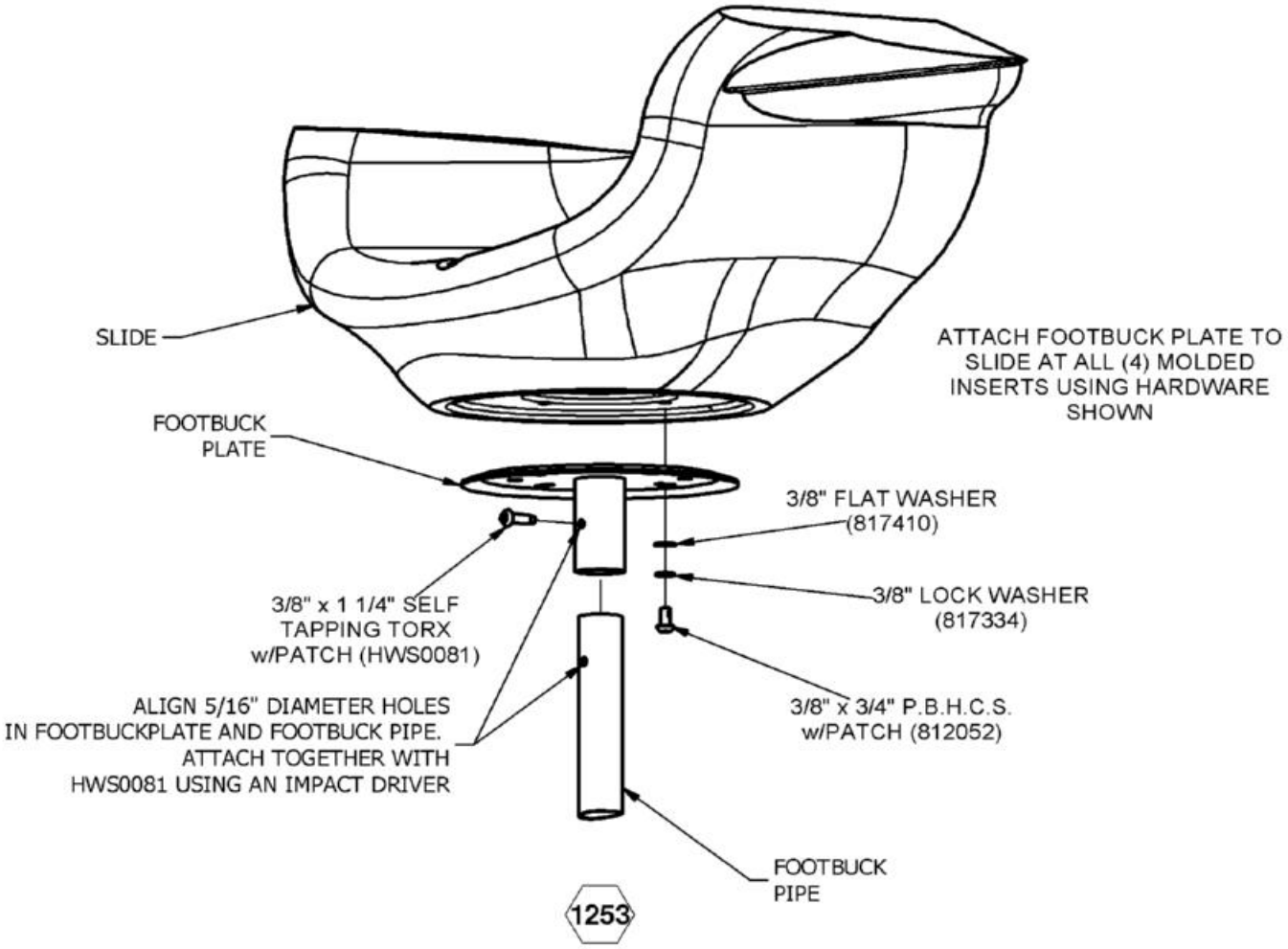



715




716

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4")
# DOUBLE VELOCITY SLIDE



SuperMax Play Systems

# 71753 PINNACLE CLIMBER

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PIPE ADAPTER | 2 | 309915 |
| PINNACLE BARRIER ENTRANCE | 1 | 313621 |
| PINNACLE CLIMBER | 1 | 313521 |
| DOUBLE PINNACLE TAB | 4 | 313580 |
| DECK MOUNTING BAR ASS'Y | 1 | 313546 |
| BOTTOM FOOTBUCK | 2 | 313598 |
| ***HARDWARE COMPLETE*** | 1 | 313633 |
| 1/4" x 3/4" SET SCREW | 4 | 811545* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 17 | 812050* |
| 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 1/4" P.B.H.C.S. w/PATCH | 2 | 812056* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424* |
| 3/8" FLAT WASHER | 10 | 817410* |
| 3/8" BARREL NUT | 8 | 804804* |
| 3/8" LOCKWASHER | 12 | 817334* |
| 3/8" LOCK NUT | 4 | 804353* |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 71753 PINNACLE CLIMBER

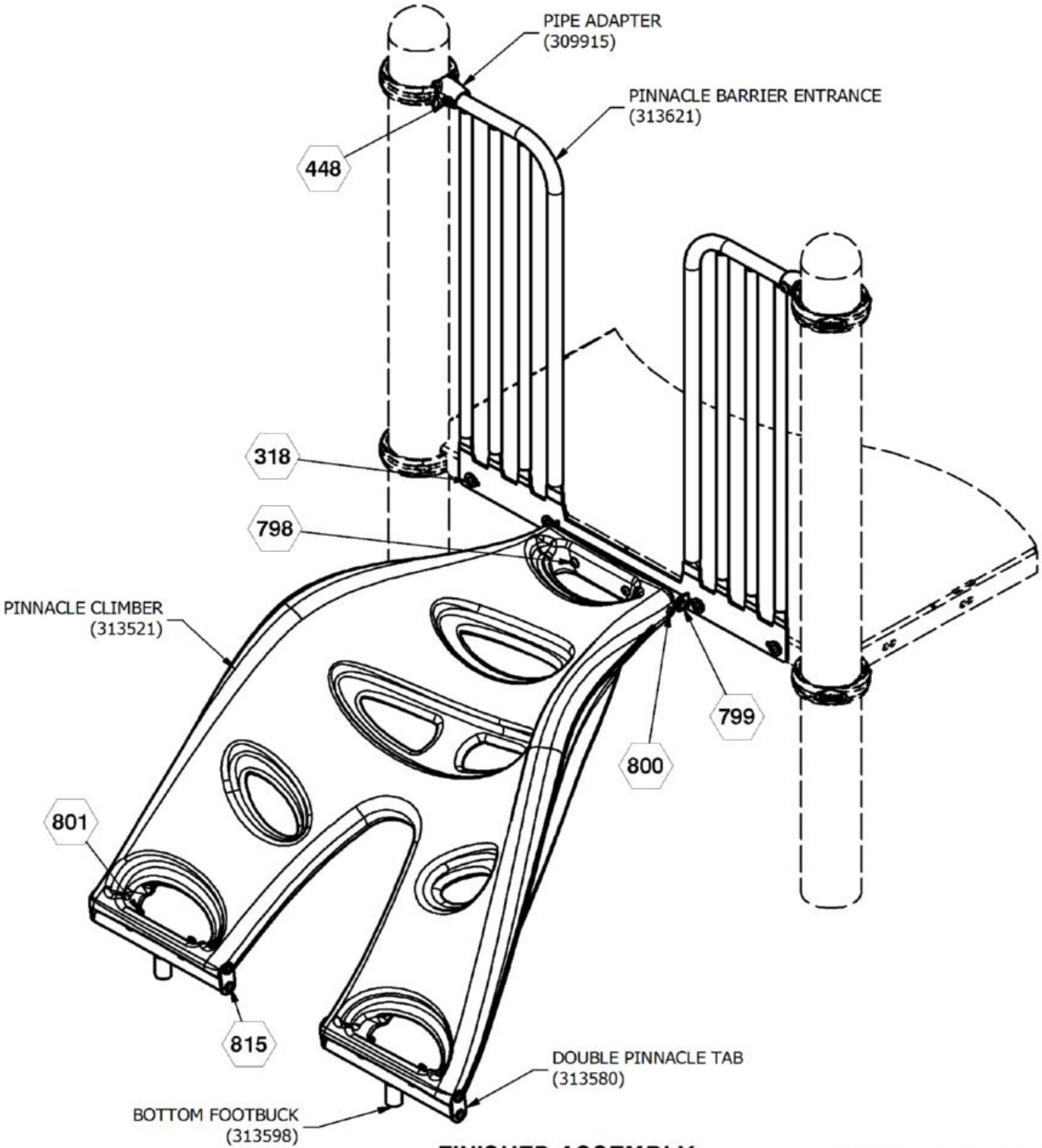
## INSTALLATION INSTRUCTIONS:

1. Dig Footing holes for Bottom Footbuck. See *Top View*.
2. Locate and fasten Ring Clamps to Upright Posts. See Ring Clamp Installation Sheet.
3. Attach Pinnacle Barrier Entrance to Upright Posts using Pipe Adapters, 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, 1/4" x 3/4" Set Screws, and 3/8" Barrel Nut. See Detail 448.
4. Attach Pinnacle Barrier Entrance to Deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), 3/8" Lock Nut. See Detail 318.
5. Attach Deck Mounting Bar Ass'y to Pinnacle Climber using 3/8" x 2 1/4" P.B.H.C.S. w/Patch and 3/8" Barrel Nut. See Detail 798.
6. Fill bottom four holes that are not used on Pinnacle Climber using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Barrel Nut. See Detail 801.
7. Attach Pinnacle Climber to Pinnacle Barrier Entrance using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 799.
8. Attach Bottom Footbuck to Pinnacle Climber using Double Pinnacle Tab, 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 815.
9. Fill remaining unused holes inside Pinnacle Climber with 3/8" x 1" P.B.H.C.S. w/Patch. See Detail 800.
10. Plumb and level the entire assembly and tighten all fasteners.
11. Pour concrete footings within 4" to the top and taper away form posts for water drainage. Allow to cure for at least 48 hours before use.
12. When the structure is finished and satisfactory, install 1/4" x 3/4" Drive Rivets in all Clamps to ensure Clamps cannot slide down posts, referring to Typ. Clamp Detail. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them***. 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.

## 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. Also 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.

# 71753 PINNACLE CLIMBER




= INSTALLATION DETAIL

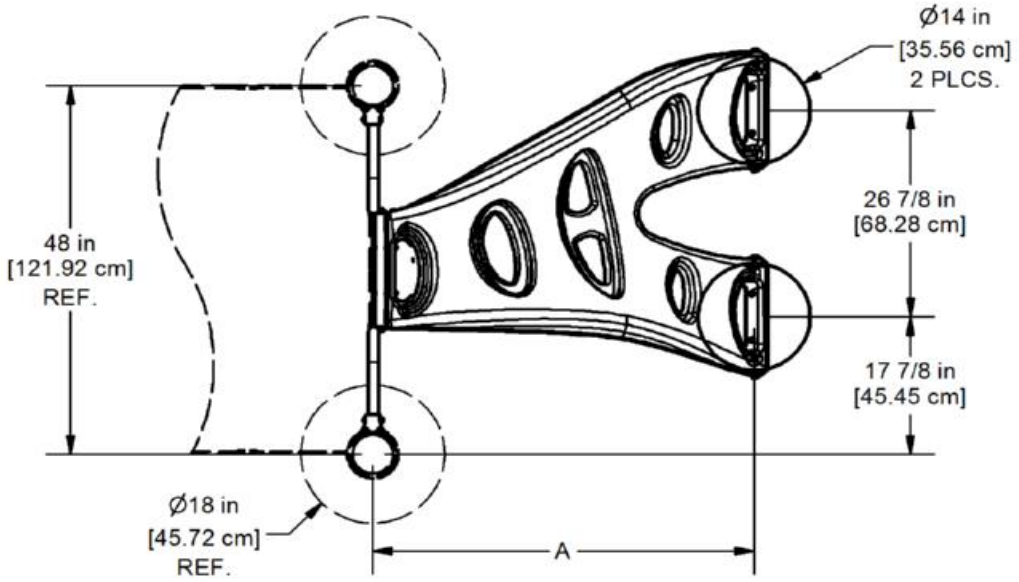
***FINISHED ASSEMBLY***
***2'-0" DECK HEIGHT SHOWN***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 11/23/2015

play&park structures
A PLAYCORE Company

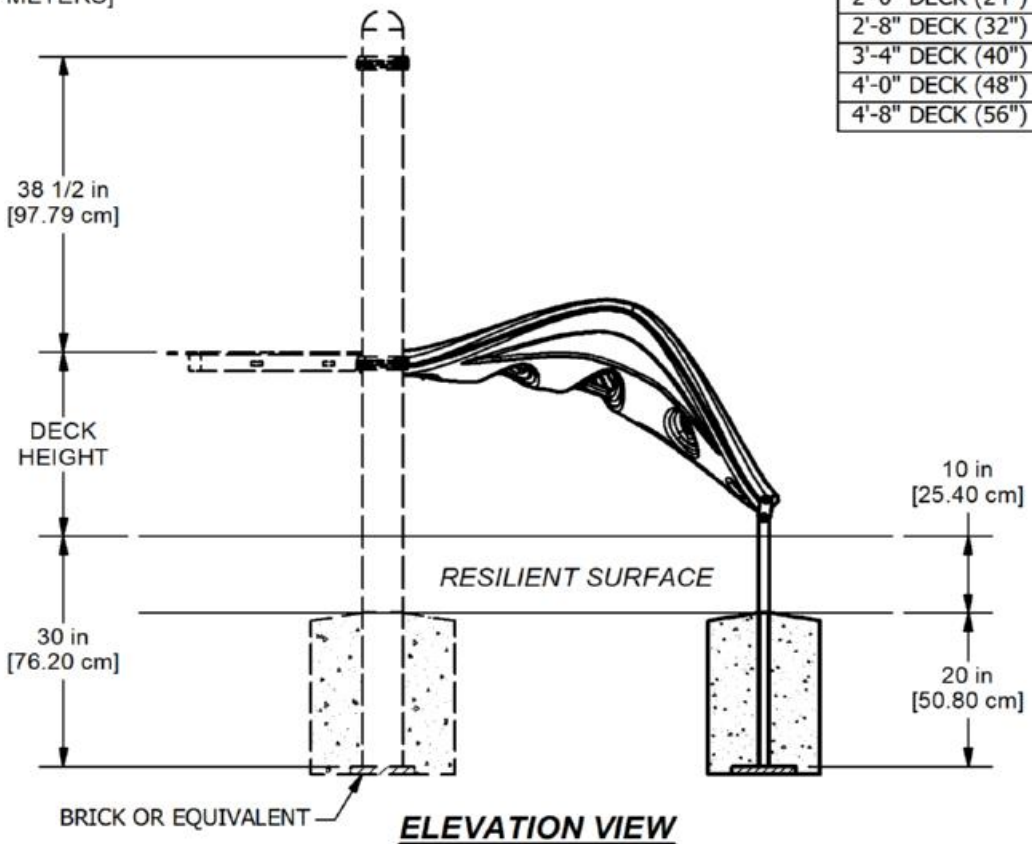
# 71753 PINNACLE CLIMBER




***PLAN VIEW***

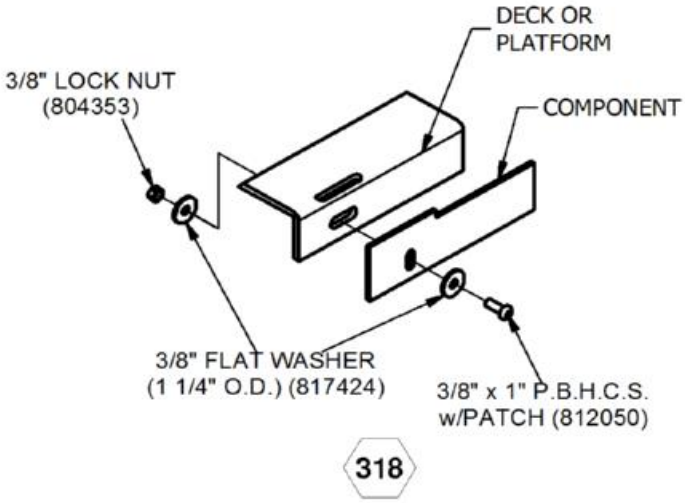
**CONCRETE REQUIRED**
0.12 CUBIC YARDS
[0.09 CUBIC METERS]

| DIM. "A" | |
|---|---|
| DECK HEIGHT | DISTANCE |
| 2'-0" DECK (24") | 47 11/16" |
| 2'-8" DECK (32") | 43 3/8" |
| 3'-4" DECK (40") | 38 1/2" |
| 4'-0" DECK (48") | 24 15/16" |
| 4'-8" DECK (56") | 12 7/8" |



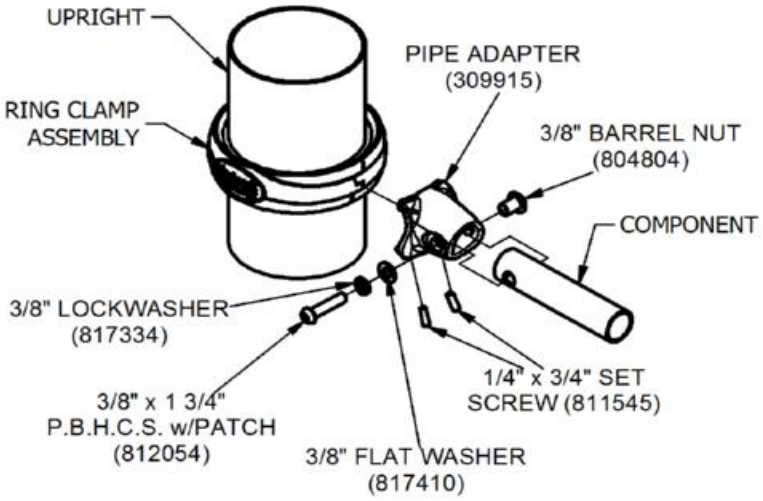

***ELEVATION VIEW***
***2'-0" DECK HEIGHT SHOWN***

# 71753 PINNACLE CLIMBER

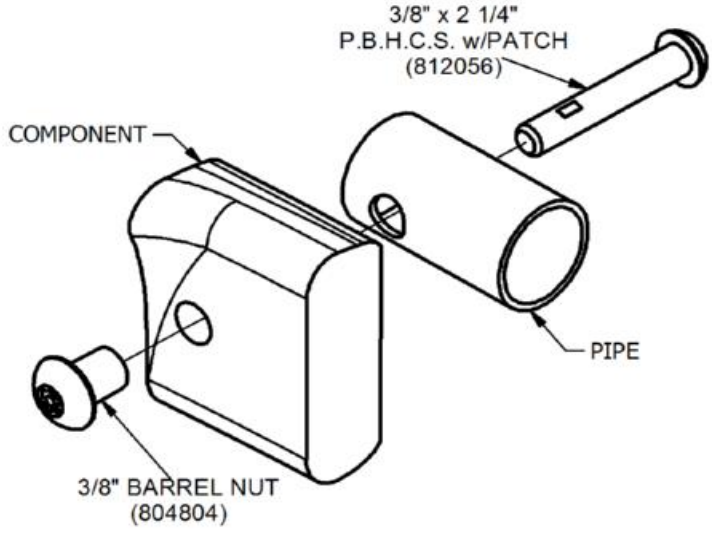



318

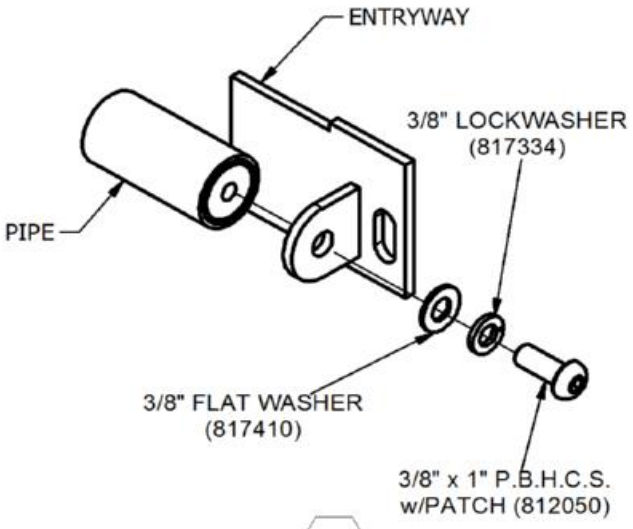
NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS




448

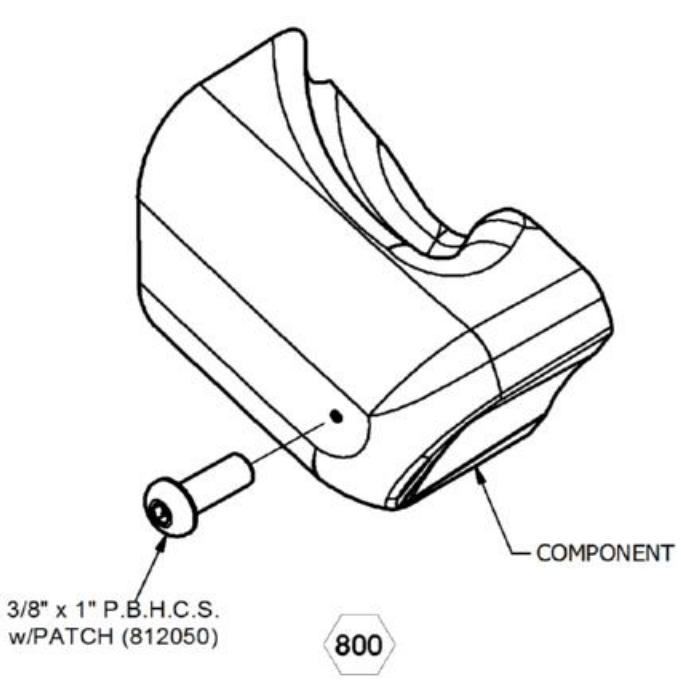


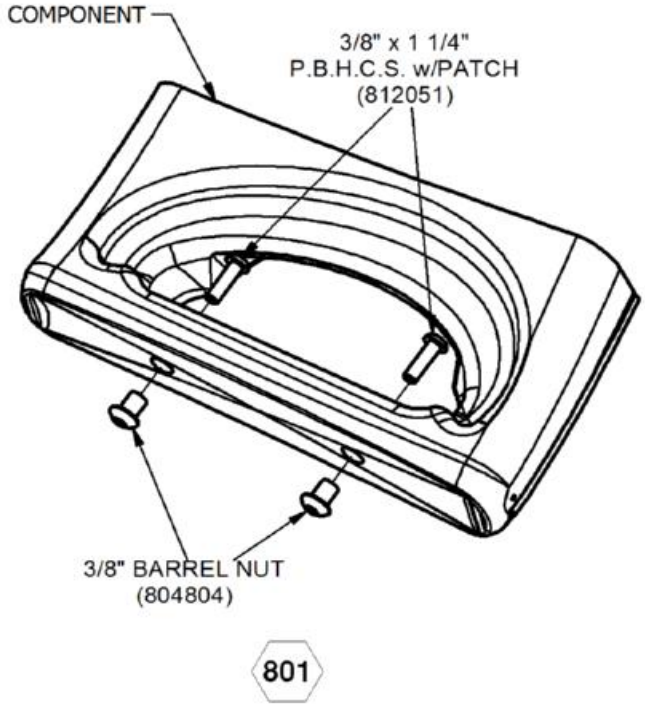

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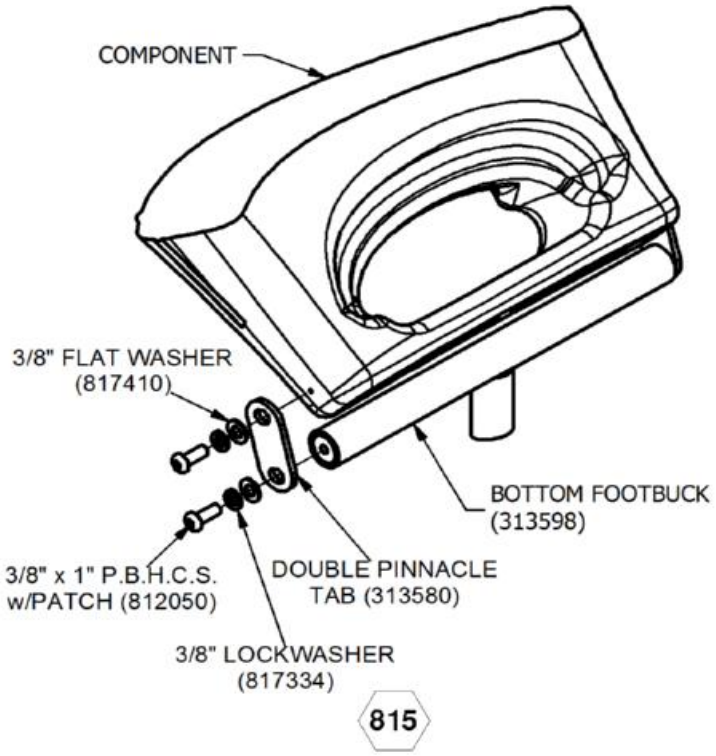



799

# 71753 PINNACLE CLIMBER



SuperMax Play Systems

# 71982 HEX STALK TOPPER

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| ROLLED CROSS BRACE | 6 | 315753 |
| TOPPER EXTENSION WELDMENT | 6 | 315759 |
| ***HARDWARE COMPLETE*** | 1 | 315760 |
| 1/2" x 5 1/2" B.H.C.S. | 24 | 811071 |
| 1/2" LOCKWASHER | 24 | 817342 |
| 1/2" HEX NUT | 24 | 804055 |
| O-RING | 18 | 169362 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## INSTALLATION INSTRUCTIONS:

1. Refer to the overhead drawing to locate the six posts, which will recieve the Parallax Roof. All six posts must be at the same height, with a minimum of 84" clearance over any deck below. As posts are not included in this package, they must be installed per seperate instructions prior to installing this roof.

2. Attach Topper Extension Weldments to Uprights. See Finished Assembly view and Detail 865.

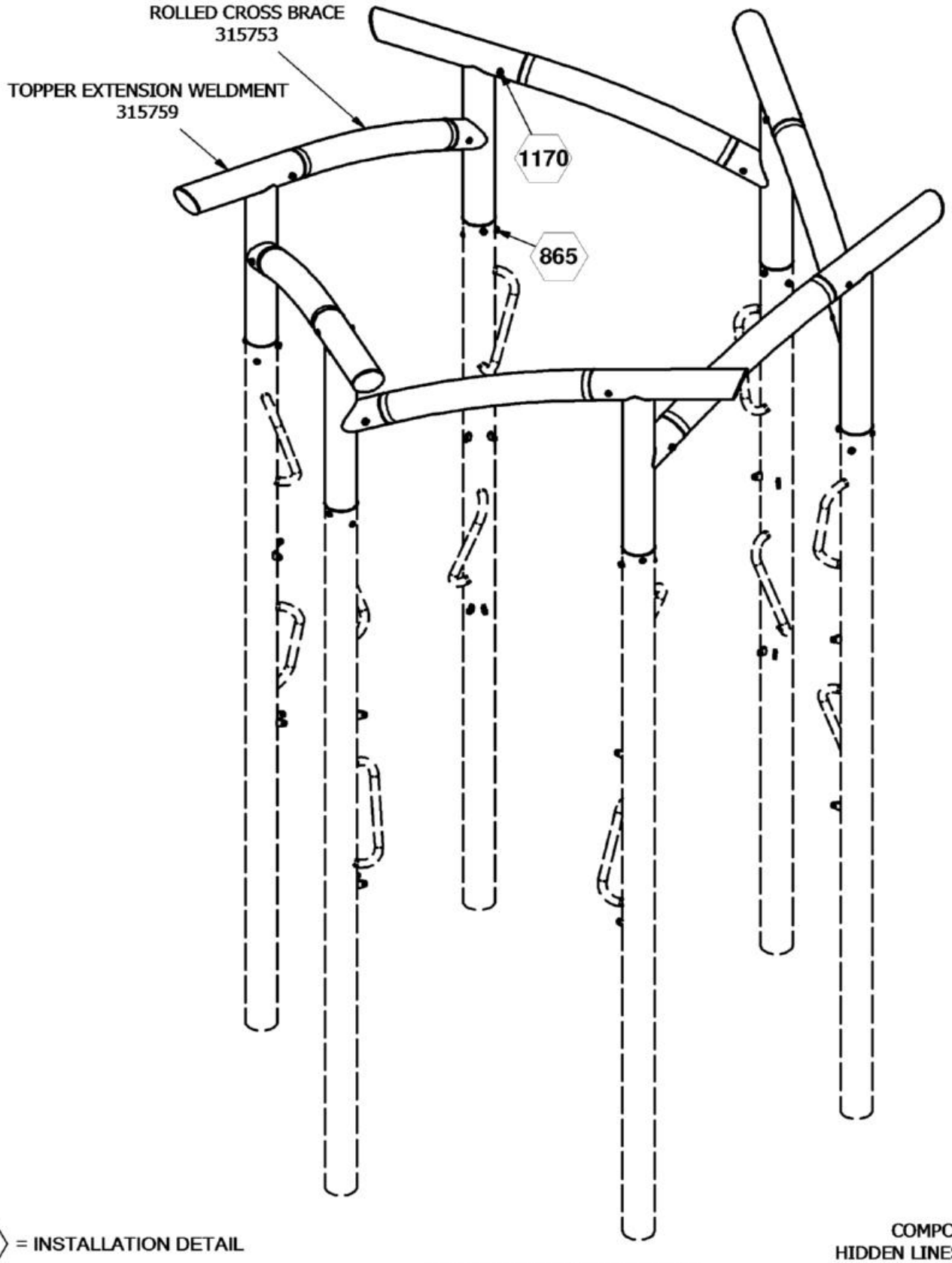
3. Attach Rolled Cross Braces to Topper Extension Weldments. See Detail 1170.

4. Plumb and level the entire assembly and tighten all fasteners.

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

# 71982 HEX STALK TOPPER




⬡ = INSTALLATION DETAIL

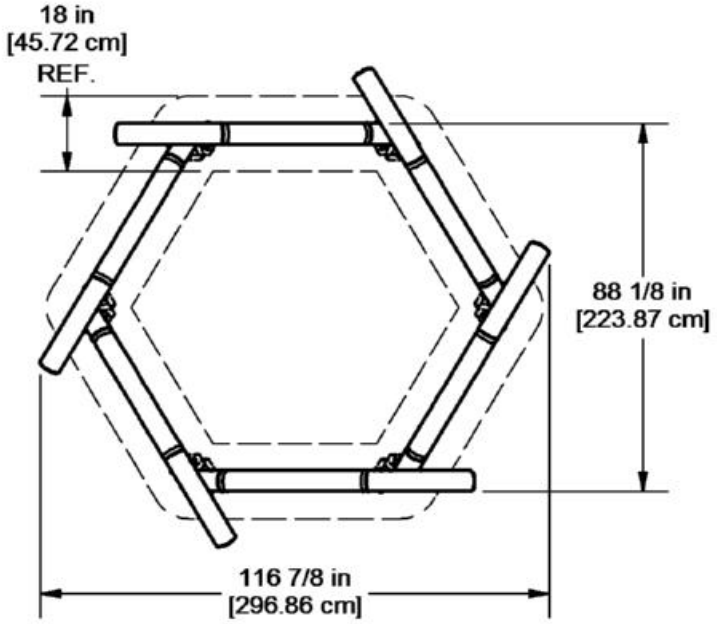
Issued/Revised: 8/11/2022

***FINISHED ASSEMBLY***

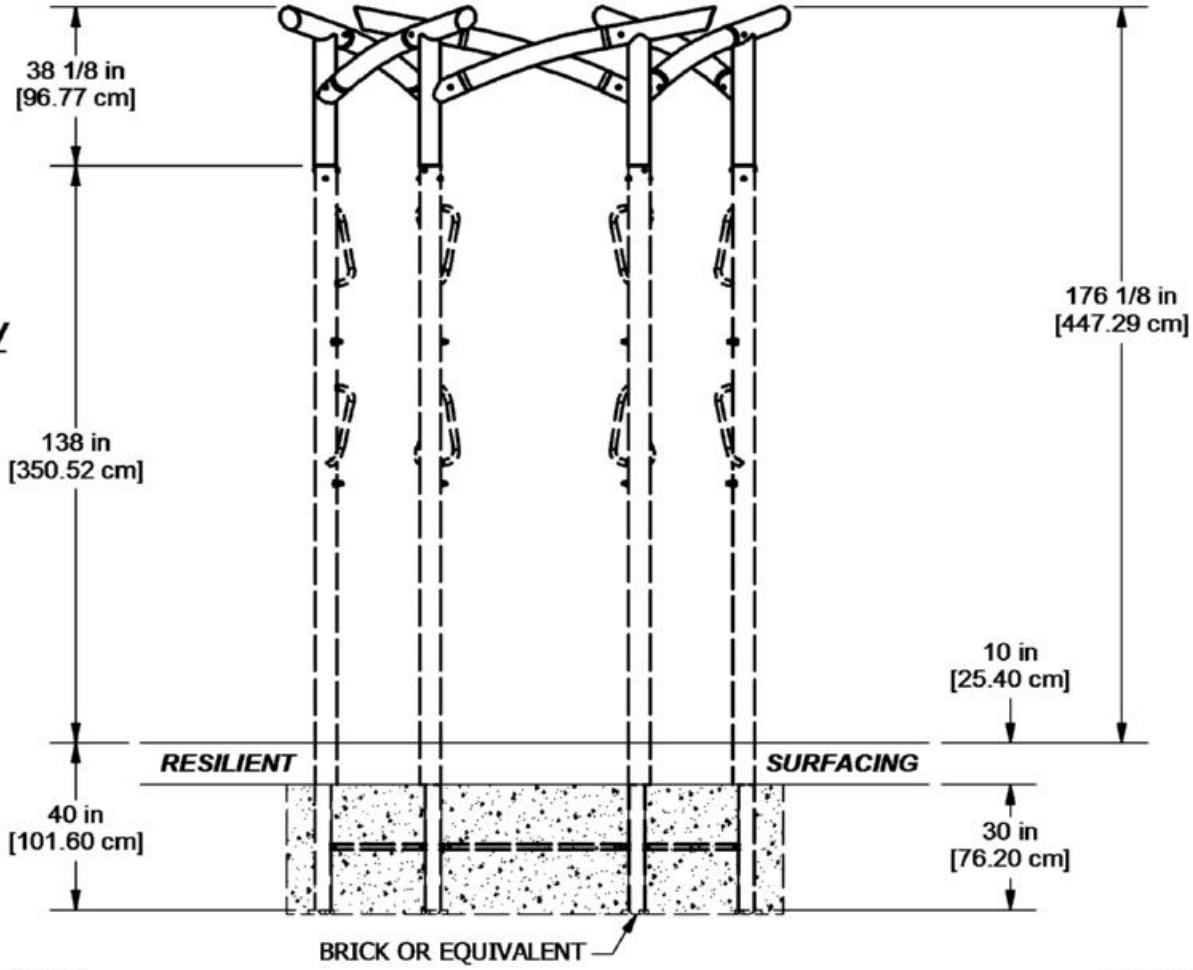
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71982 HEX STALK TOPPER

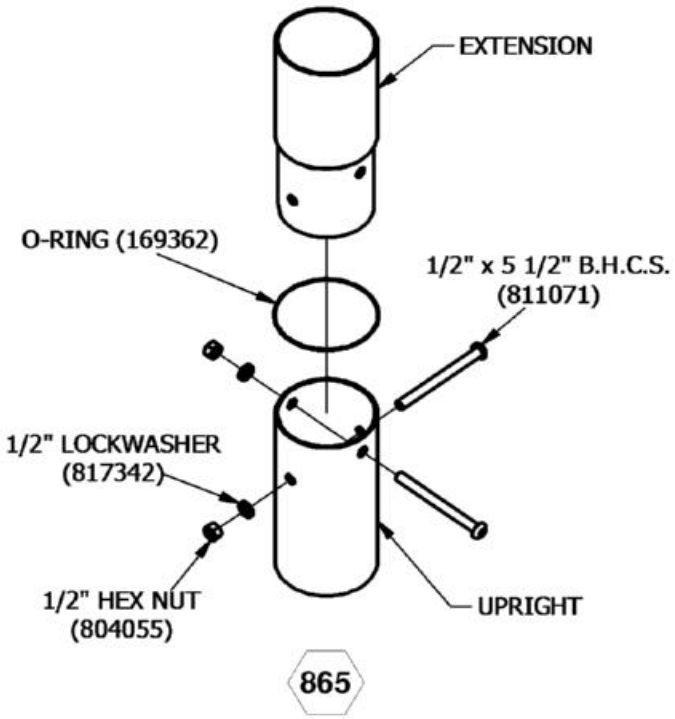
## PLAN VIEW

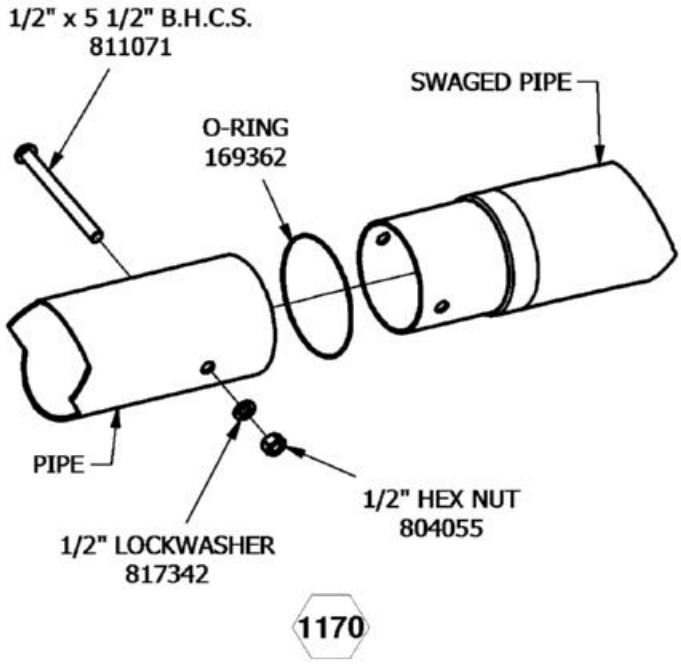



## ELEVATION VIEW



# 71982 HEX STALK TOPPER



# 72168 RACECAR ROTOGEN PANEL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| PANEL ADAPTER | 4 | 309919 |
| RACECAR PANEL | 1 | 317040 |
| RACECAR TACK ON | 1 | 317041 |
| STEERING WHEEL INSERT | 1 | 317027 |
| ***HARDWARE COMPLETE*** | 1 | 317038 |
| #10 x 1" SELF-TAPPING SCREW | 3 | 809608 |
| 1/4" x 3/4" SET SCREW | 8 | 811545 |
| 1/4" x 1 1/4" P.B.H.C.S. w/Patch | 1 | 812013 |
| 1/4" LOCK WASHER | 1 | 817326 |
| 5/16" NYLON INSERT LOCKNUT | 1 | 804352 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 812053 |
| 3/8" FLAT WASHER | 8 | 817410 |
| 3/8" BARREL NUT | 8 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

## ***INSTALLATION INSTRUCTIONS:***

1. Determine which deck is to receive the Racecar Rotogen Panel. Refer to order Top View.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. Hook the Panel Adapters onto the Ring Clamps and attach. See Detail 467.
4. Remove the back of Steering Wheel Insert, and drill pilot holes for Racecar Tack On. Attach Racecar Tack On to backing and reassemble. See Detail 1283.
5. Attach assembled Steering Wheel Insert to Racecar Panel. See Detail 1287.
6. Attach assembled Racecar Rotogen Panel to Panel Adapters. See Detail 467.
7. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure for at least 48 hours before use.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

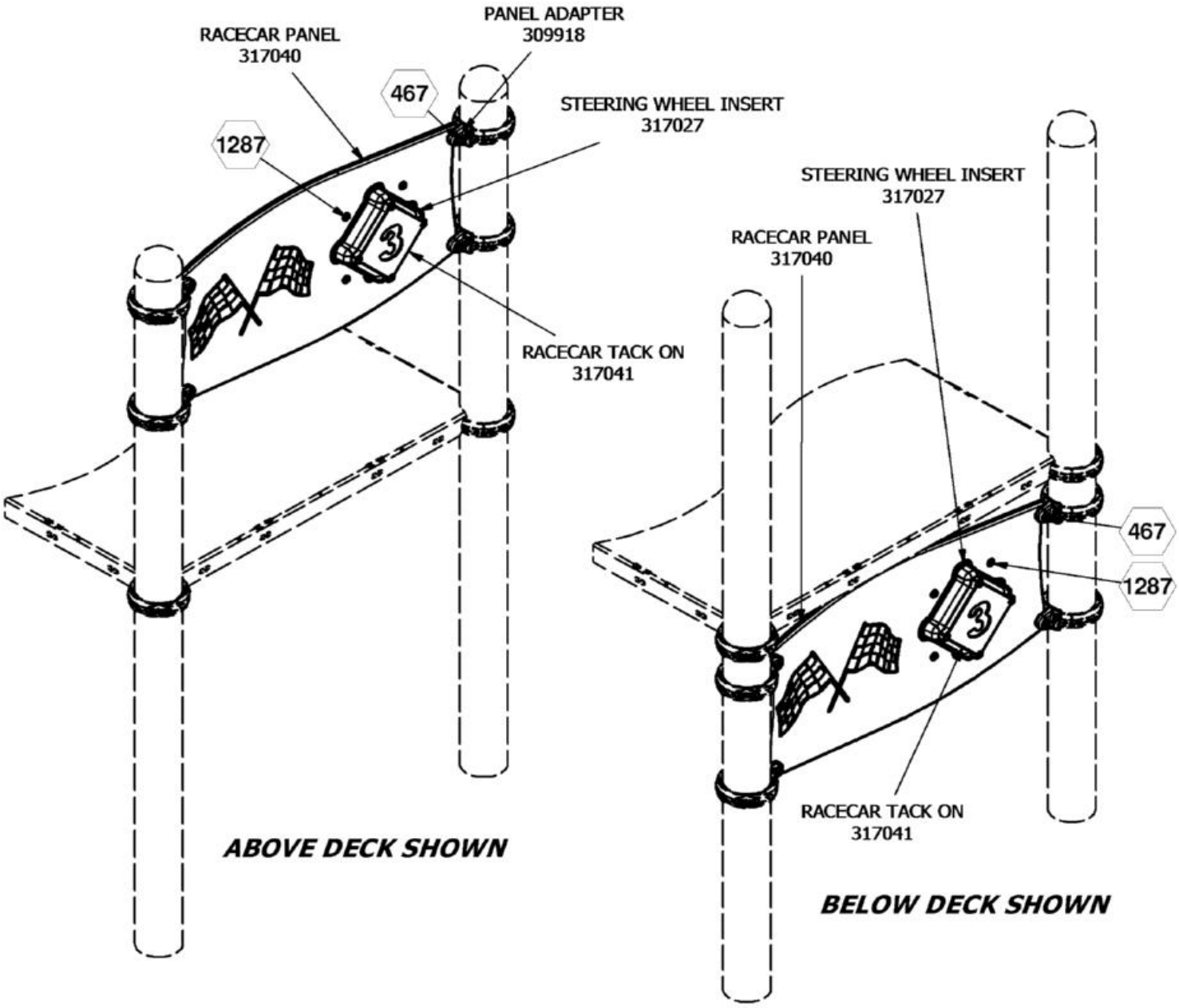
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** 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. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

SuperMax Play Systems

# 72168 RACECAR ROTOGEN PANEL

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



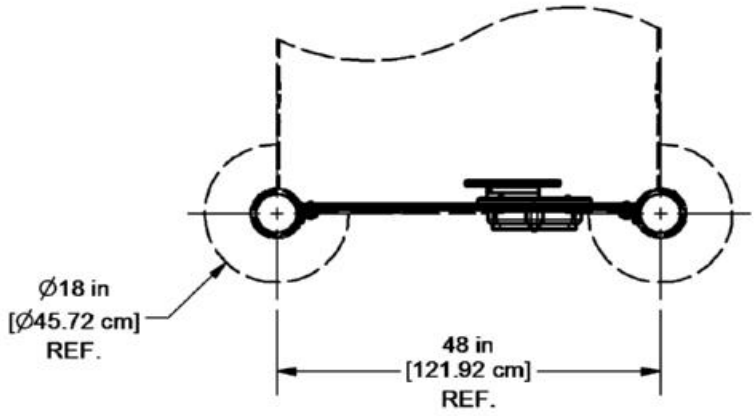

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

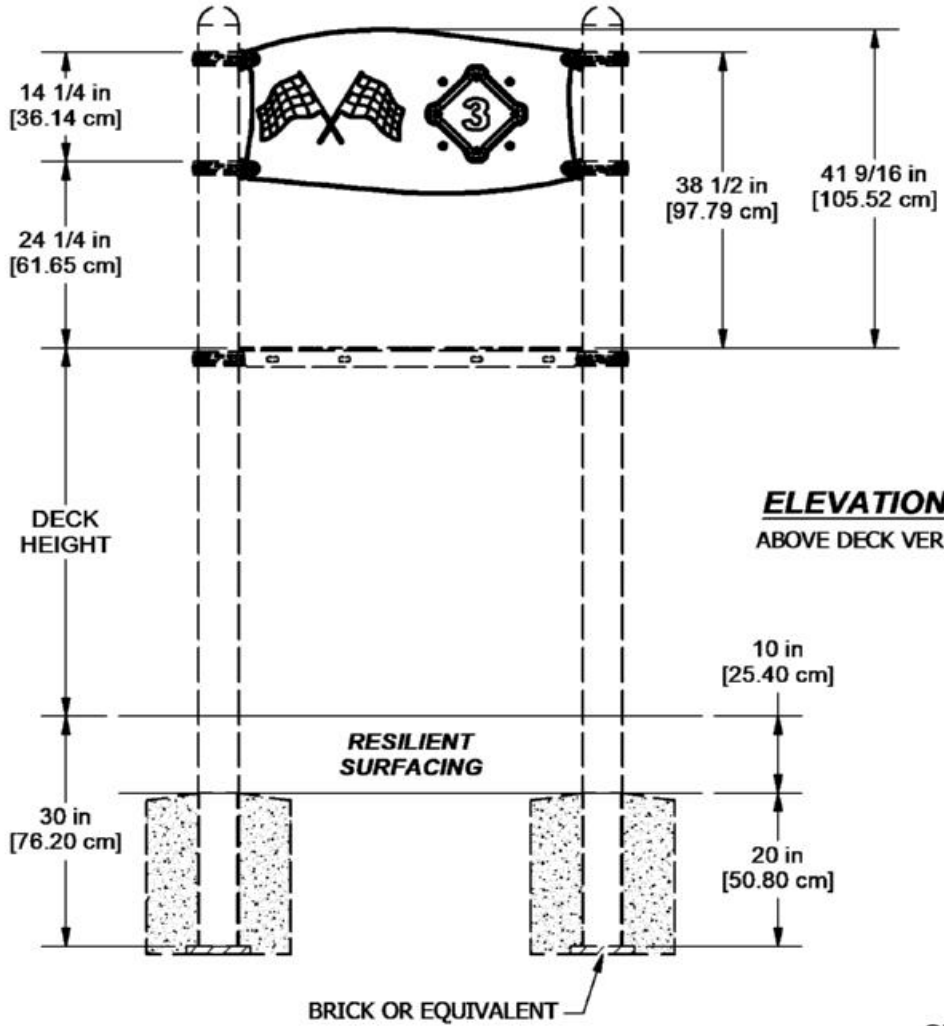
Issued/Revised: 6/12/2024

***FINISHED ASSEMBLY***

# 72168 RACECAR ROTOGEN PANEL (ABOVE DECK VER.)



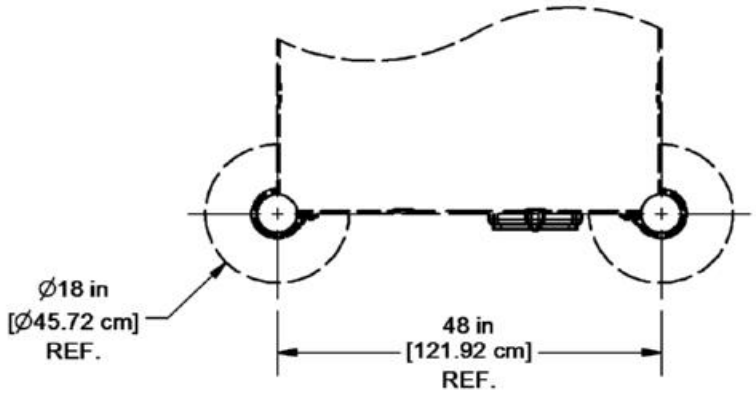

***PLAN VIEW***



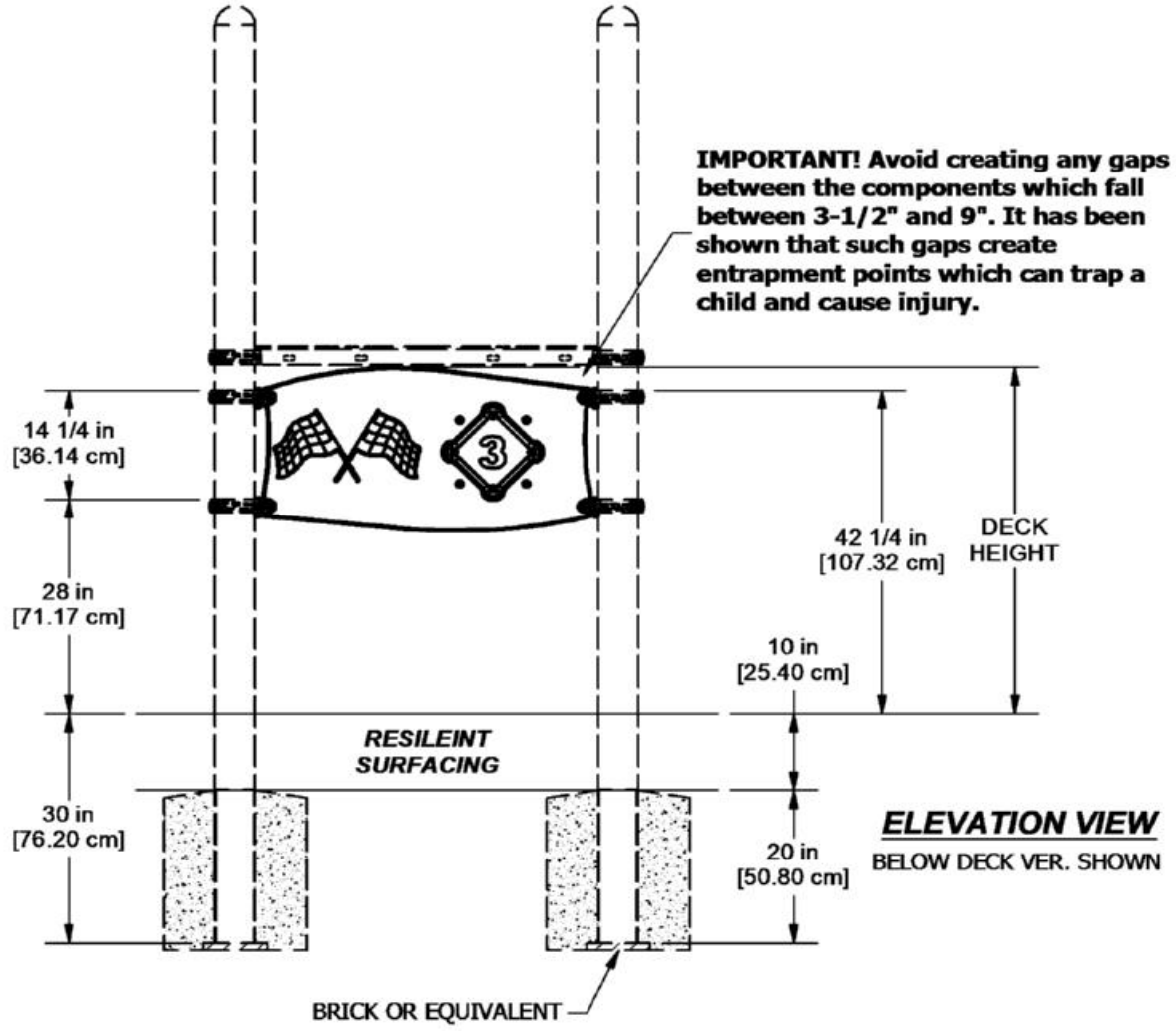

***ELEVATION VIEW***

ABOVE DECK VER. SHOWN

# 72168 RACECAR ROTOGEN PANEL (BELOW DECK VER.)




***PLAN VIEW***



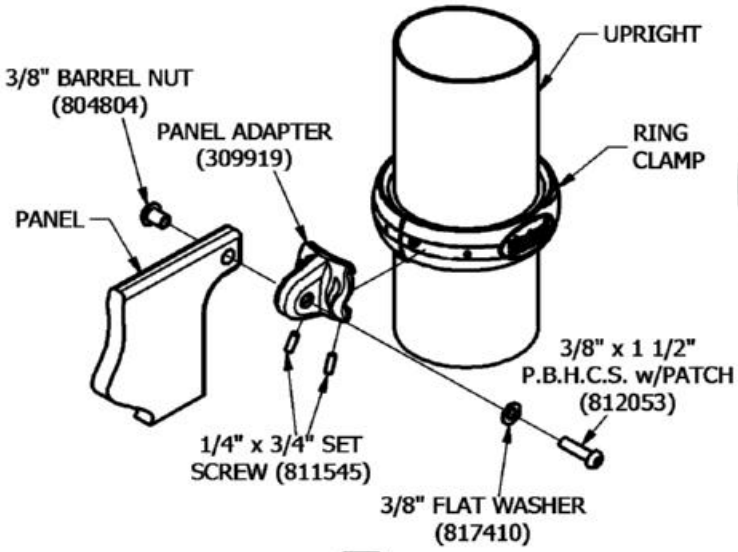

***ELEVATION VIEW***

BELOW DECK VER. SHOWN

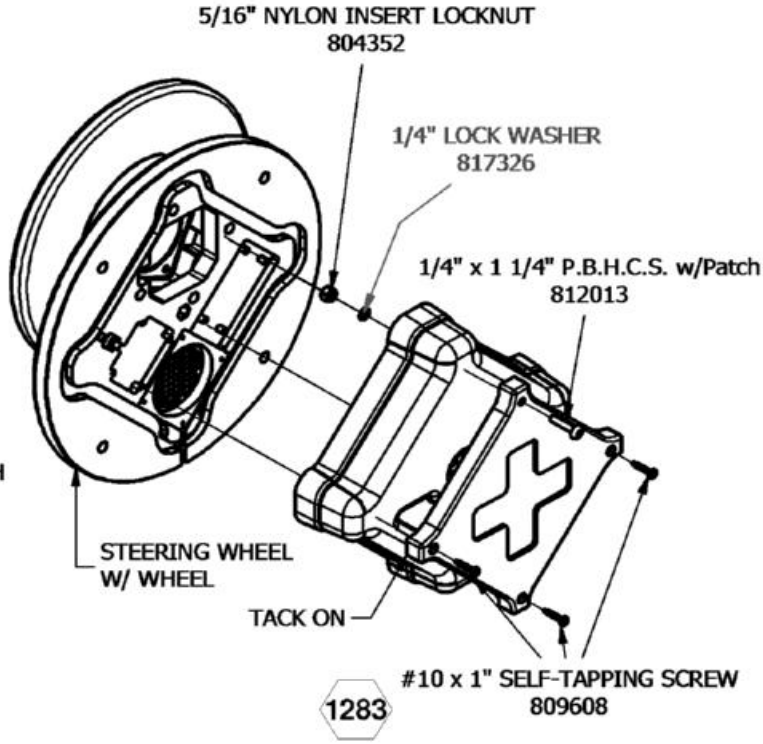
# 72168 RACECAR ROTOGEN PANEL

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

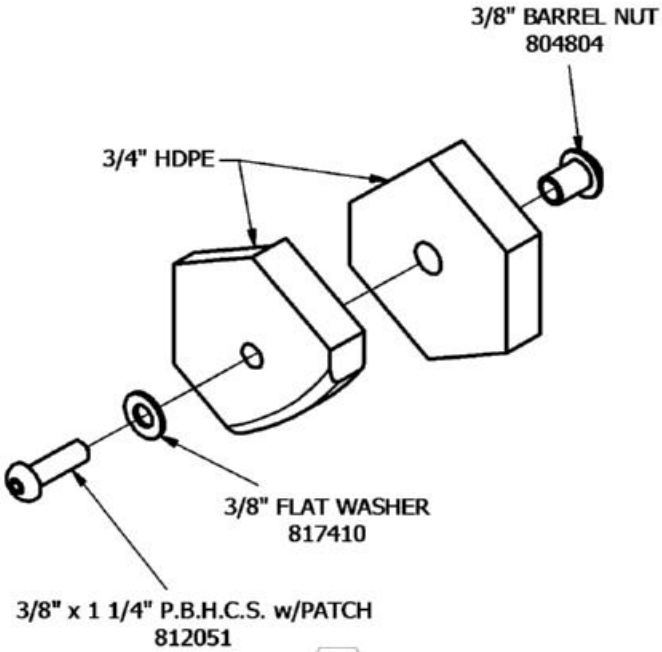
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




467




1283




1287

# 72184 COWABUNGA CLIMBER SMALL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| COATED COWABUNGA PANEL A | 1 | 317100 |
| COWABUNGA FRAME A WELDMENT | 1 | 317102 |
| SMASHED FOOTBUCK A | 2 | 317114 |
| COWABUNGA SM MOUNTING BRACKET | 1 | 317486 |
| ***HARDWARE COMPLETE*** | 1 | 317136 |
| 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 | 10 | 812050 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 12 | 812053 |
| 3/8" LOCK WASHER | 16 | 817334 |
| 3/8" FLAT WASHER | 14 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 26 | 817424 |
| 3/8" T-NUT | 14 | 804556 |
| 3/8" HEX NUT | 12 | 804053 |
| CLIMBER HANDHOLD | 2 | 317108 |
| CLIMBER HANDHOLD | 2 | 317109 |
| CLIMBER HANDHOLD | 2 | 317110 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 72184 COWABUNGA CLIMBER SMALL

## INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Cowabunga Climber. Refer to order Top View.
2. Attach Mounting Bracket and entrance and deck. See Details 1331 & 1361.
3. Attach the Funformz to the Coated Cowabunga Panel A. See Detail 1289. Refer to Funformz Placement View on Page 4.
4. Attach assembled Cowabunga Panel to Cowbunga Frame A Weldment. See Detail 1290.
5. Attach Smashed Footbuck A's to assembled Cowabunga Climber frame, and place footbucks into footing holes. See Detail 1291.
6. Attach Cowabunga Climber frame to Mounting Bracket. See Detail 799.
7. Plumb and level the entire assembly and tighten all fasteners.

**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

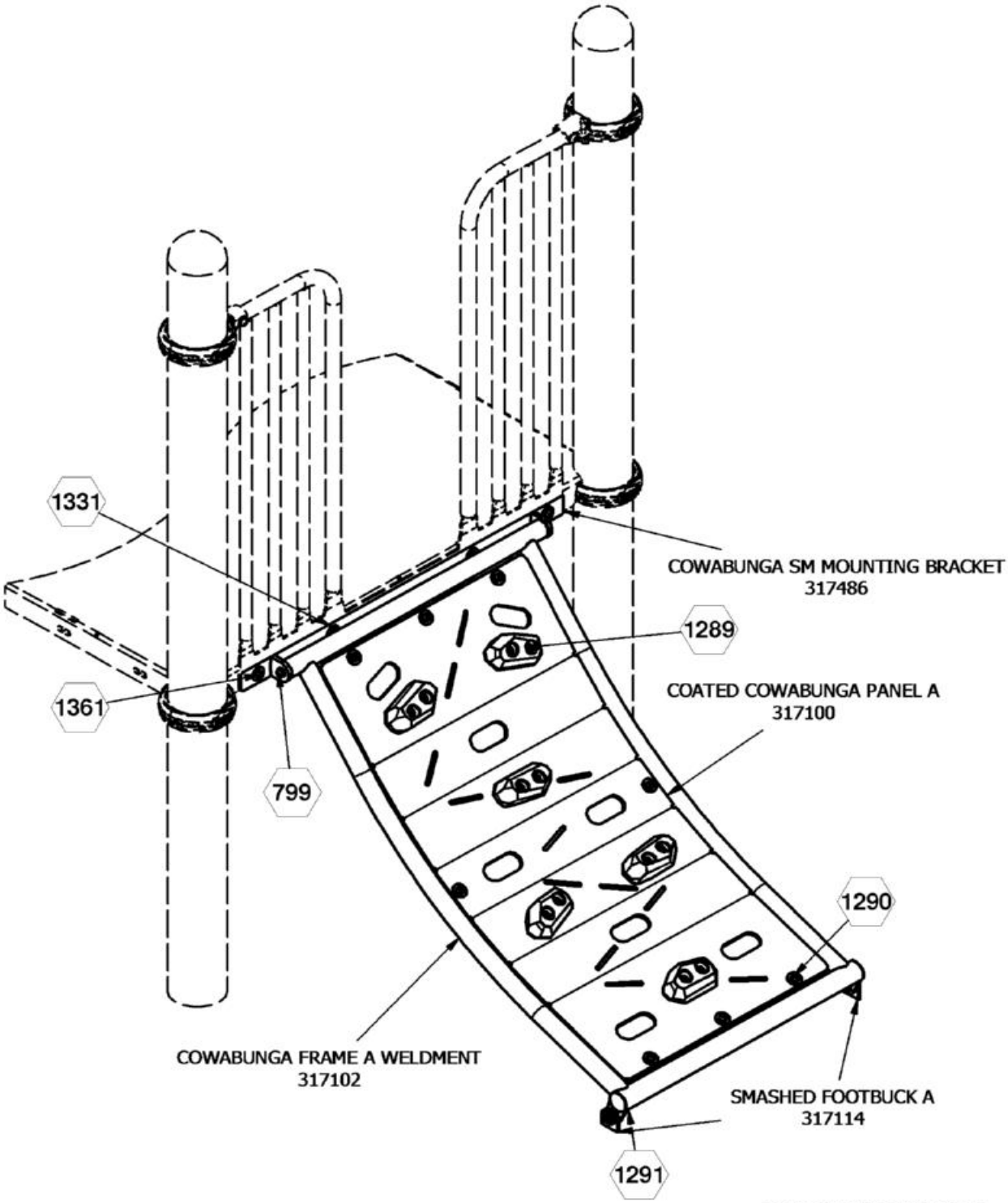
8. After the entire unit is assembled, pour concrete footing with 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.
9. When the stucture is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the clamps to ensure clamps cannot slide down posts. ***See Pipe Clamp sub-assembly sheet. It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidlines.

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

SuperMax Play Systems

# 72184 COWABUNGA CLIMBER SMALL



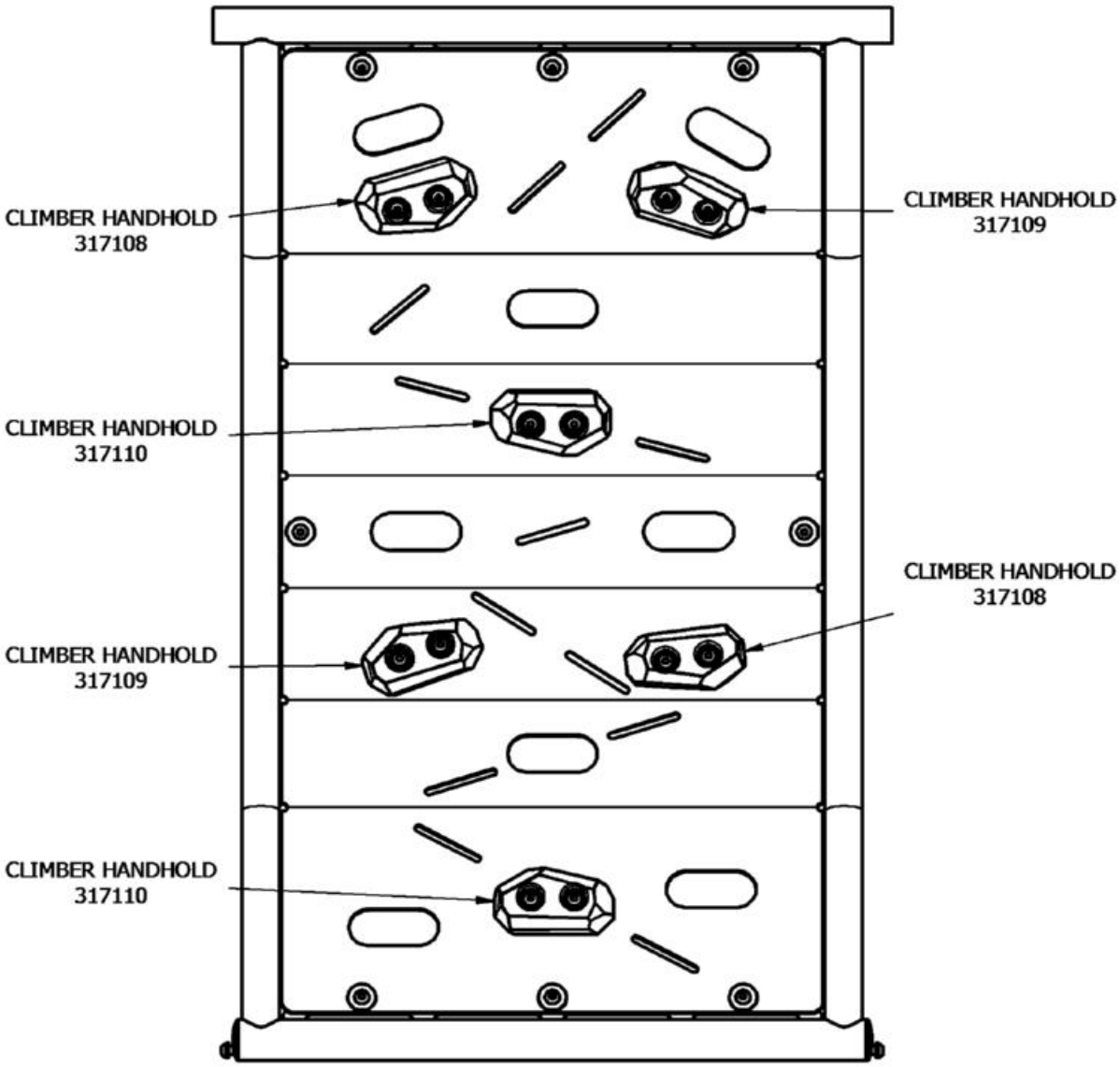

= INSTALLATION DETAIL

Issued/Revised: 11/18/2024

***FINISHED ASSEMBLY***
2'-8" SHOWN

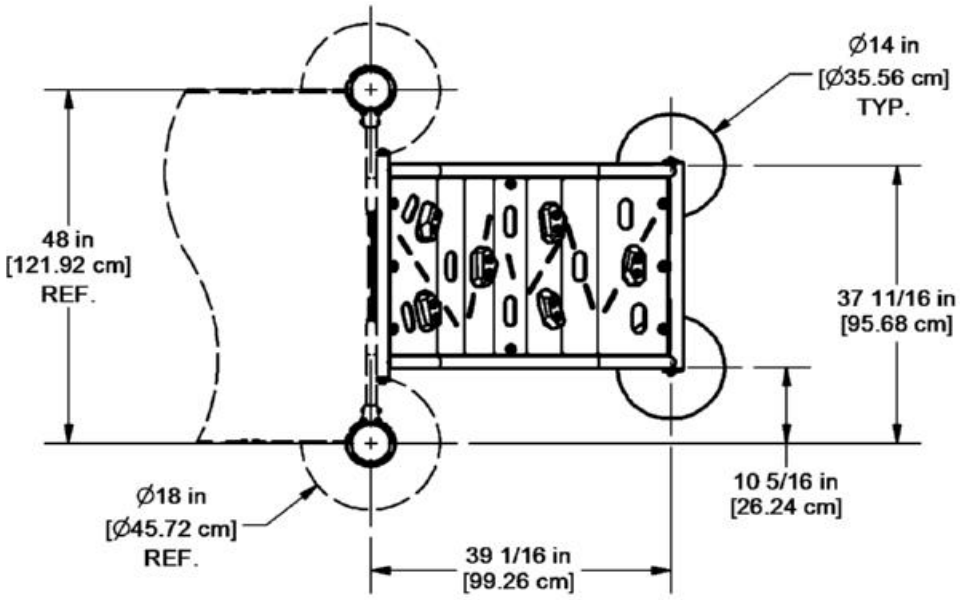
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 72184 COWABUNGA CLIMBER SMALL



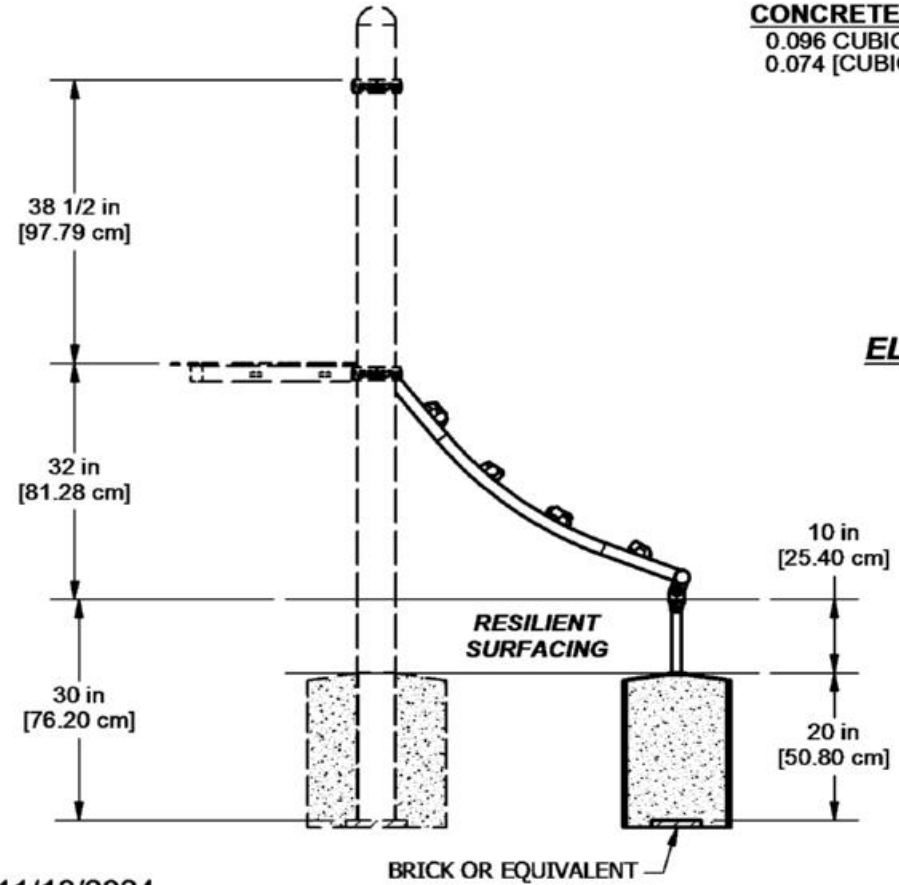

**FUNFORMZ PLACEMENT VIEW**

# 72184 COWABUNGA CLIMBER SMALL (2'-8")



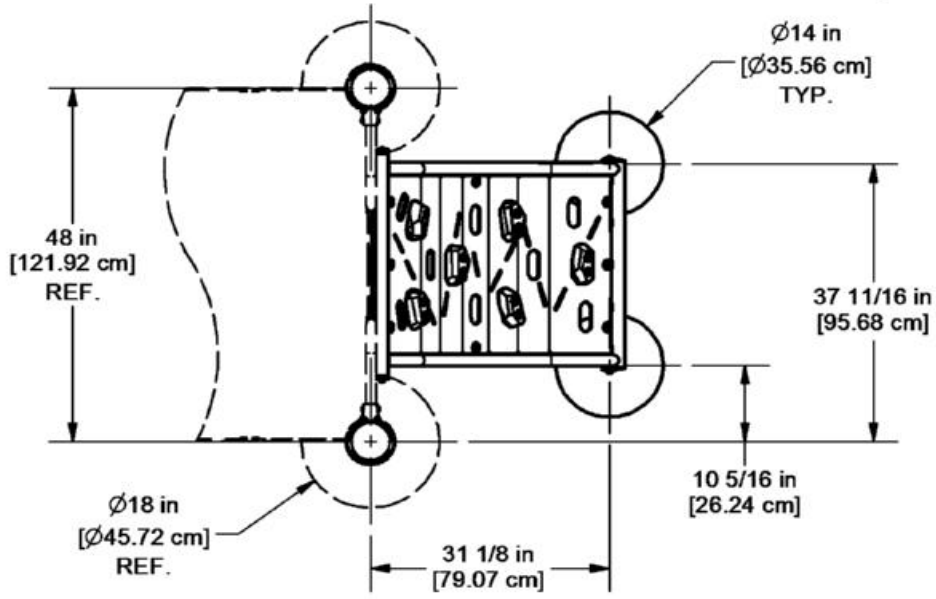

***PLAN VIEW***

**CONCRETE REQUIRED**
0.096 CUBIC YARDS
0.074 [CUBIC METERS]



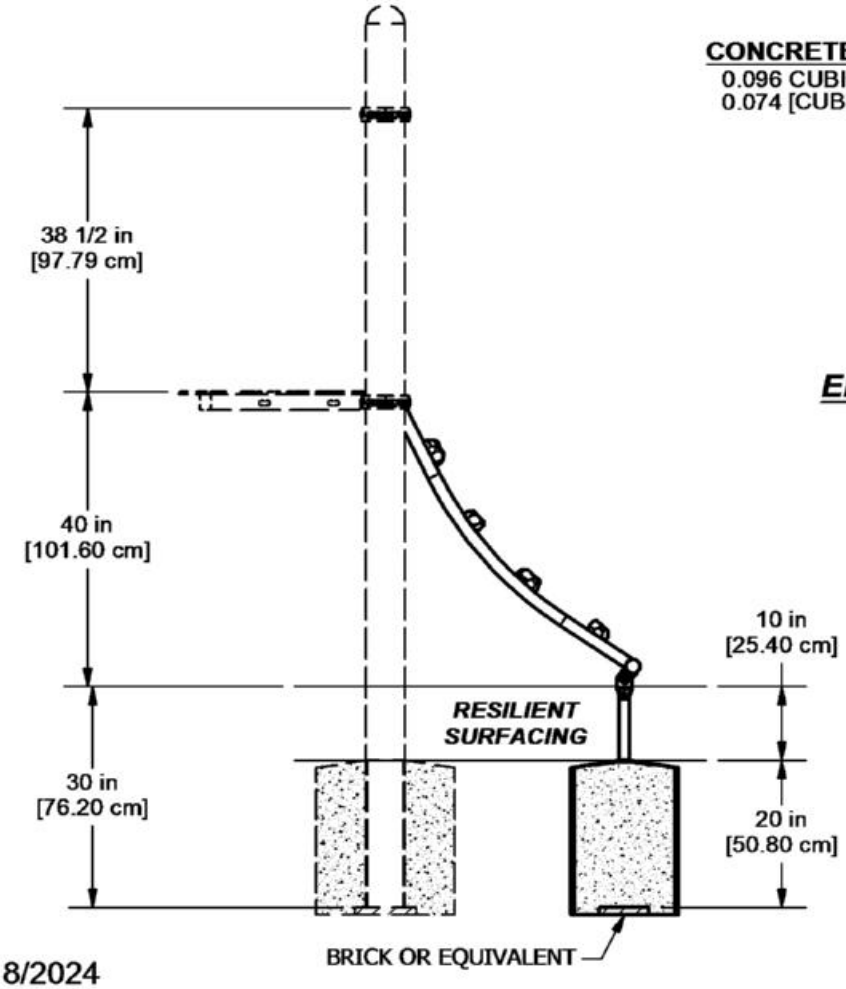

***ELEVATION VIEW***

# 72184 COWABUNGA CLIMBER SMALL (3'-4")



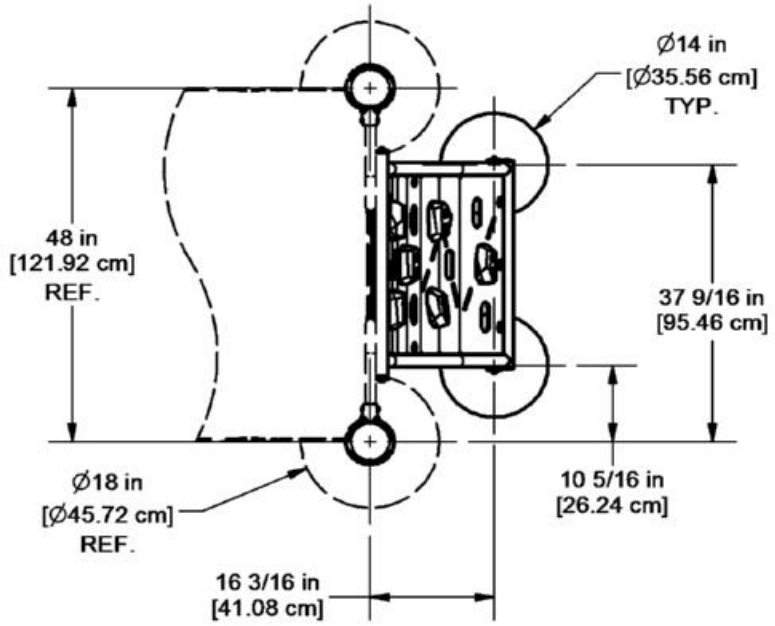

***PLAN VIEW***

**CONCRETE REQUIRED**
0.096 CUBIC YARDS
0.074 [CUBIC METERS]



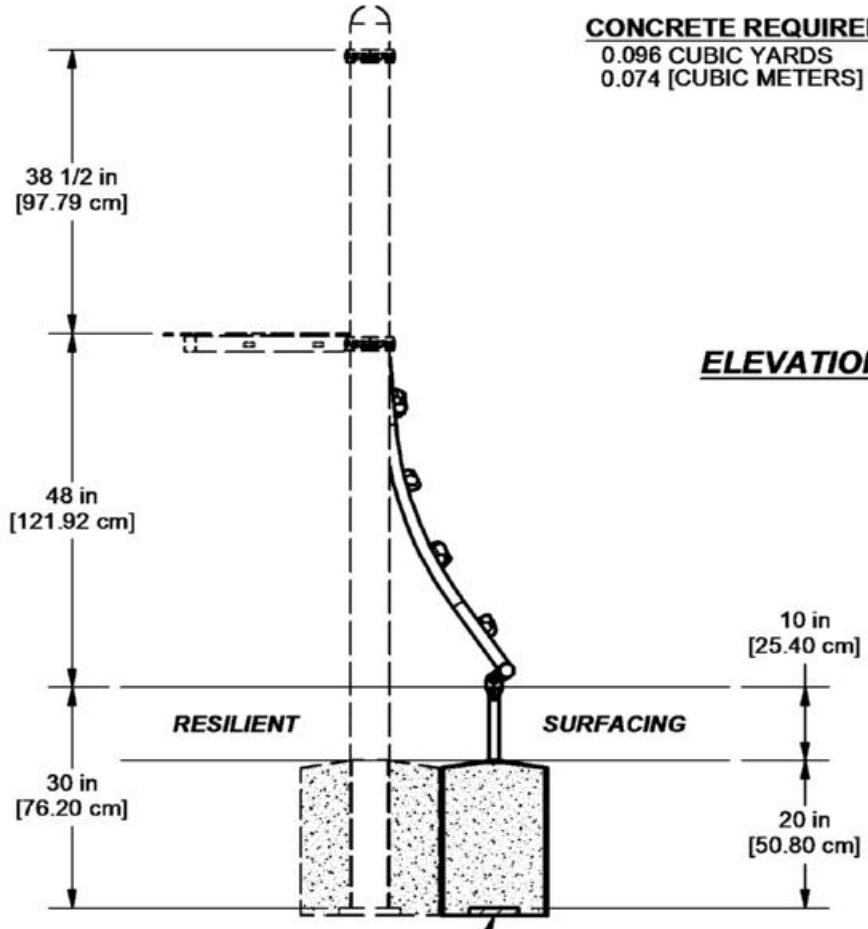

***ELEVATION VIEW***

# 72184 COWABUNGA CLIMBER SMALL (4'-0")



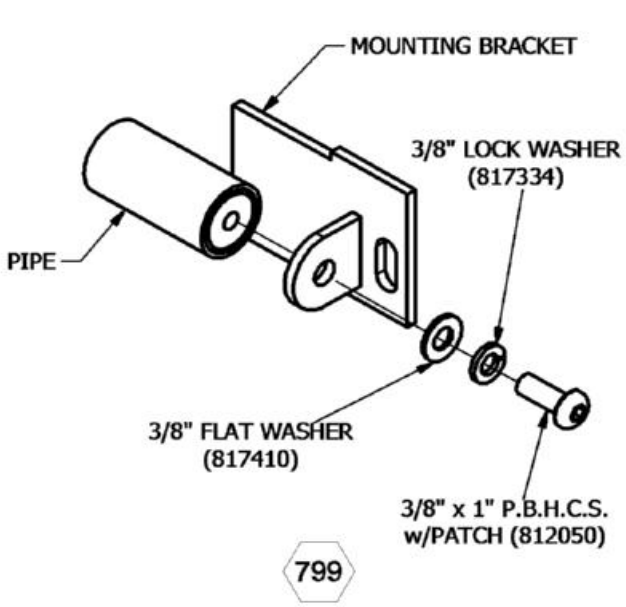

***PLAN VIEW***

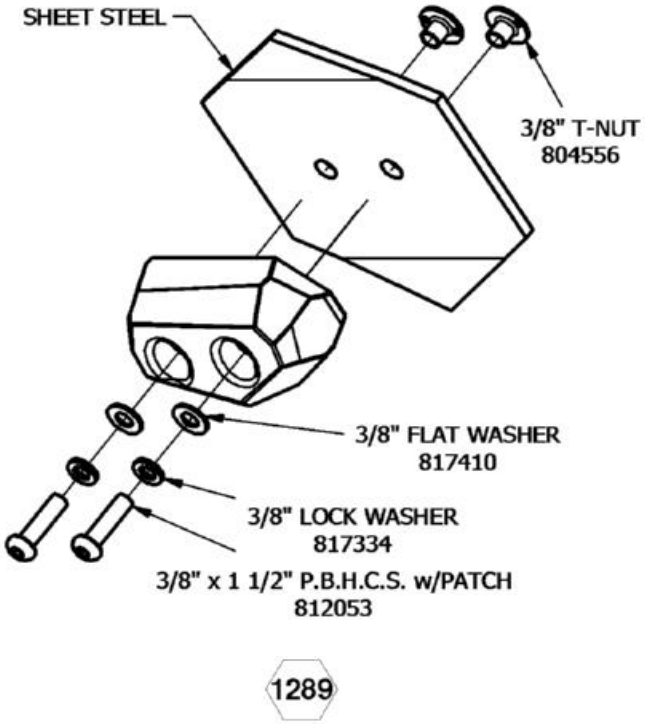
**CONCRETE REQUIRED**
0.096 CUBIC YARDS
0.074 [CUBIC METERS]

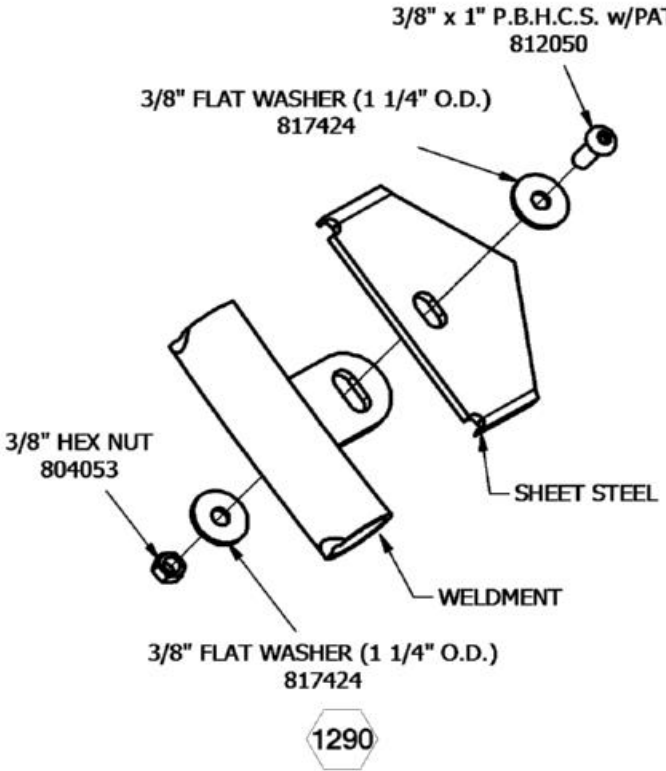


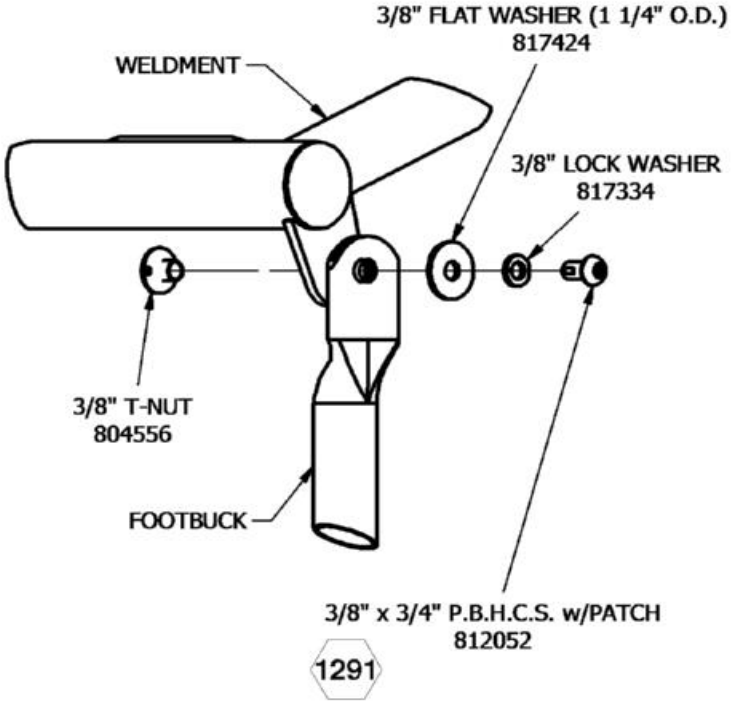

***ELEVATION VIEW***

# 72184 COWABUNGA CLIMBER SMALL

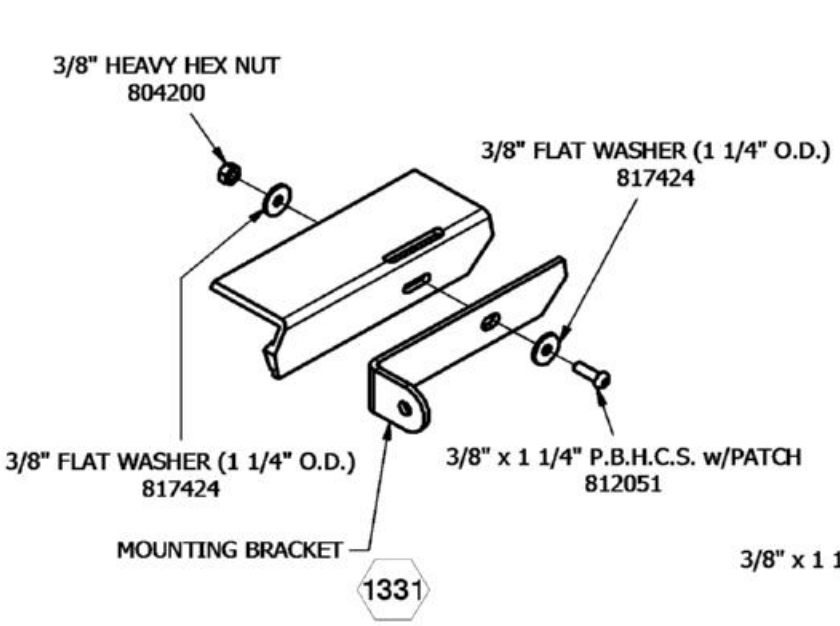


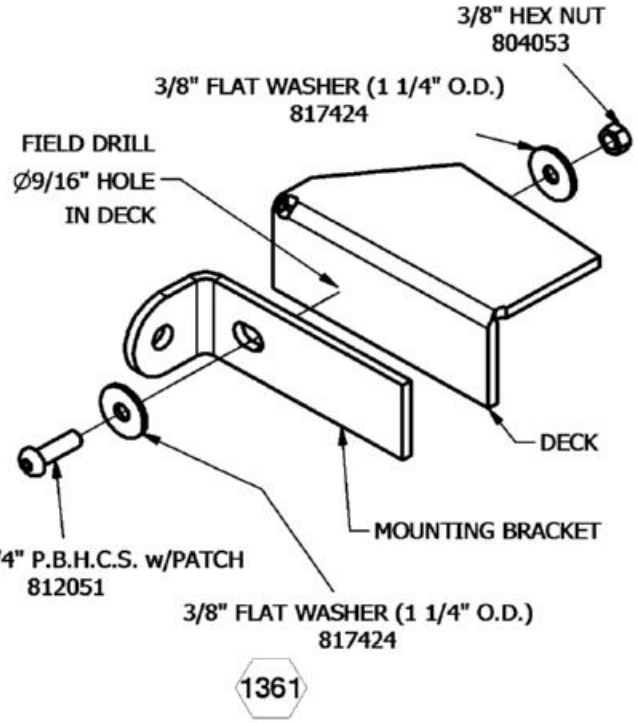



# 72184 COWABUNGA CLIMBER SMALL



SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| HAND HOLD | 1 | 176725 |
| VERTICAL ADAPTER | 2 | 309917 |
| 8' RAMP INLAY BARRIER WELDMENT | 1 | 317250 |
| 8' NON-SENSORY RAMP SIDE TOP | 1 | 317254 |
| 8' NON-SENSORY RAMP SIDE BOTTOM | 1 | 317256 |
| ***HARDWARE COMPLETE*** | 1 | 317257 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 28 | 812040 |
| 5/16" LOCK WASHER | 28 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 56 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 28 | 804352 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 3 | 812054 |
| 3/8" LOCK WASHER | 9 | 817334 |
| 3/8" FLAT WASHER | 14 | 817410 |
| 3/8" T-NUT | 3 | 804556 |
| 3/8" ACORN NUT | 6 | 804002 |
| 3/8" BARREL NUT | 2 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*
***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. 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 any non-patch hardware.***

## ***INSTALLATION INSTRUCTIONS:***

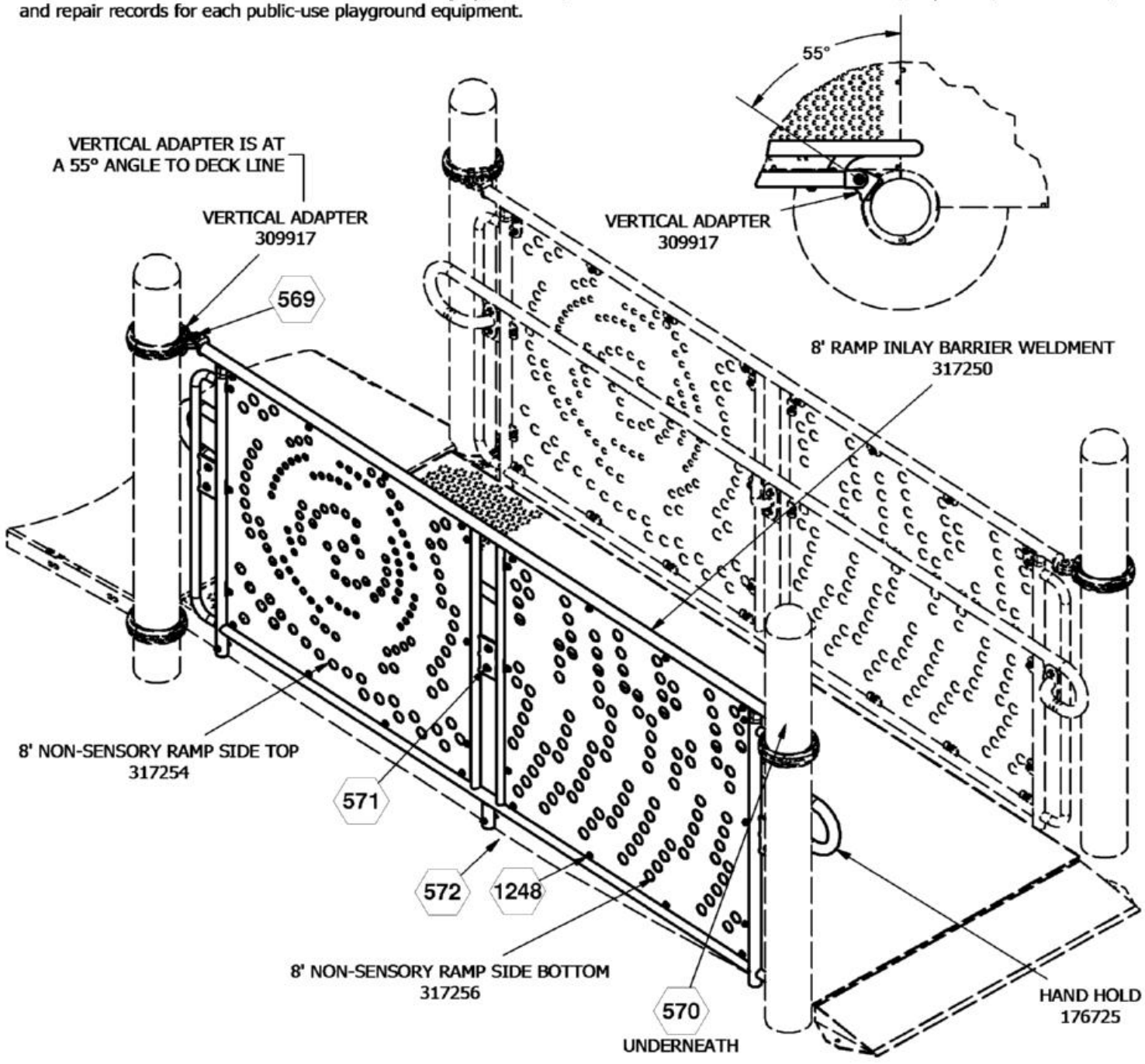
1. Determine which ramp is to receive the Lookout Ramp. Refer to order Top View.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. Attach top of the Barrier to the Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach the bottom of the Barrier to the side of the Ramp. See Detail 572.
5. Attach the Ramp Sides to the Barrier. See Detail 1248.
6. Attach Hand Hold to the Barrier. See Detail 571.
7. When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

SuperMax Play Systems

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS

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




⬡ = INSTALLATION DETAIL

Issued/Revised: 12/10/2024

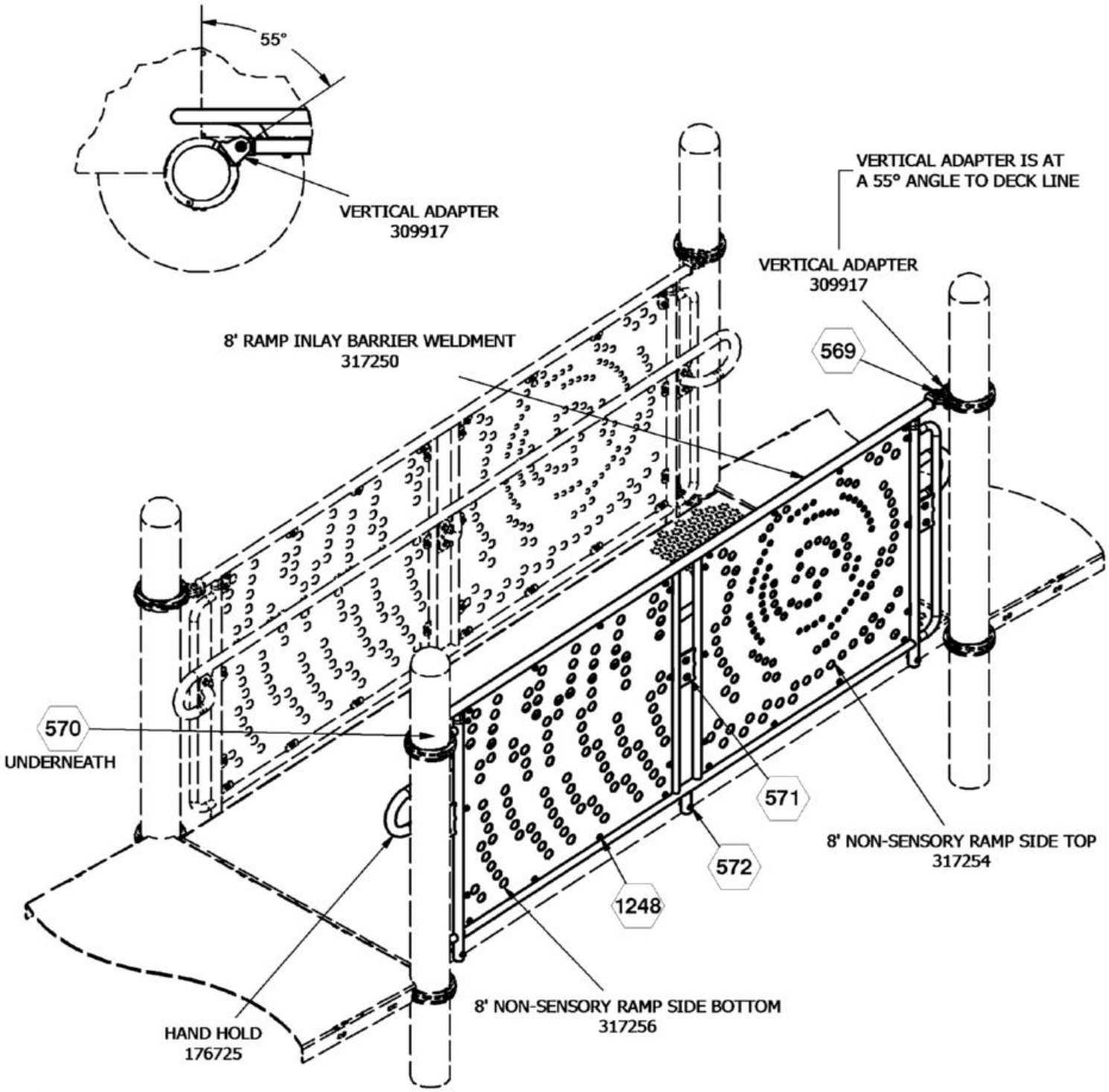
***FINISHED ASSEMBLY***

GROUND TO DECK SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS




⬡ = INSTALLATION DETAIL

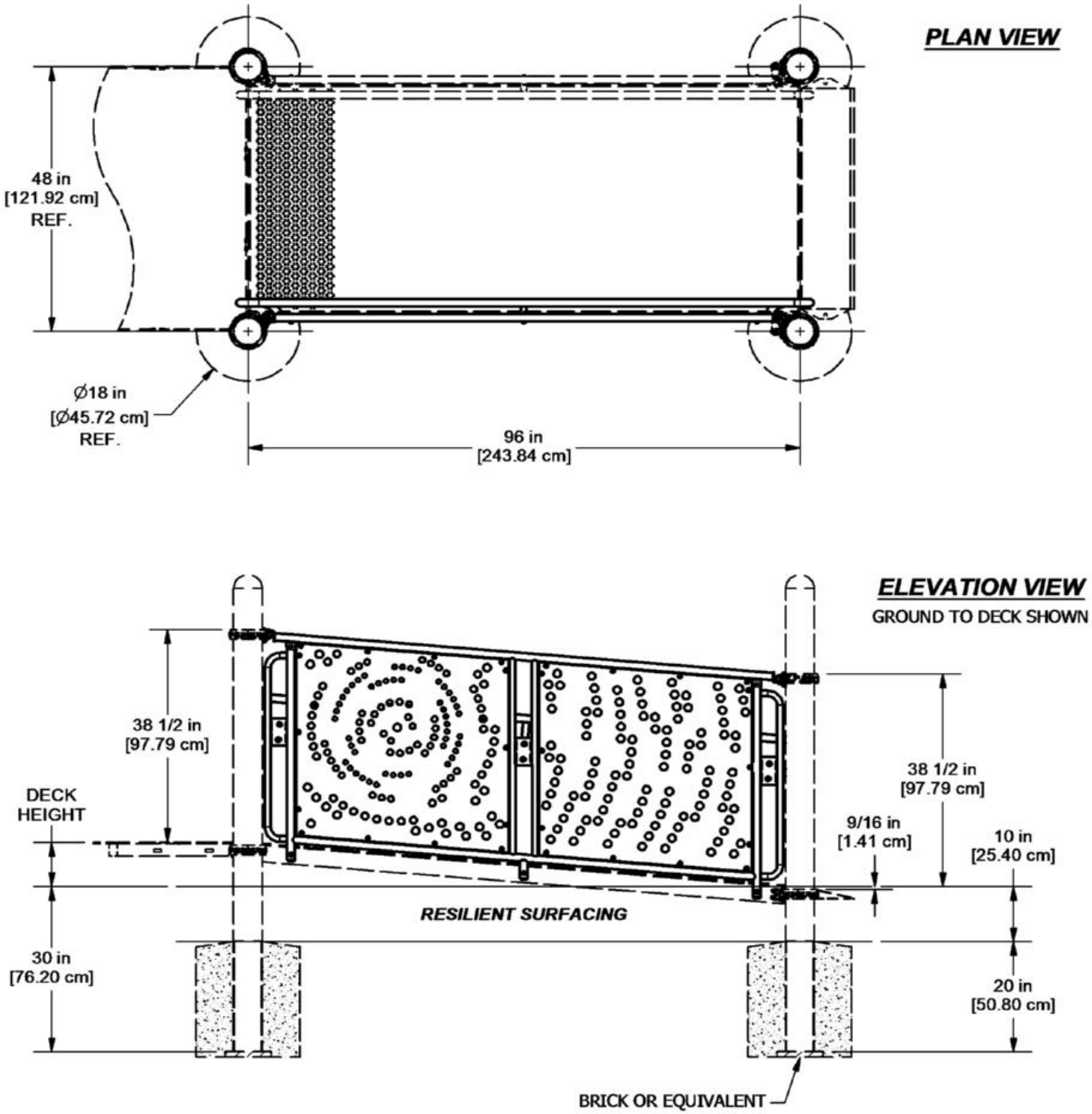
Issued/Revised: 12/10/2024

***FINISHED ASSEMBLY***

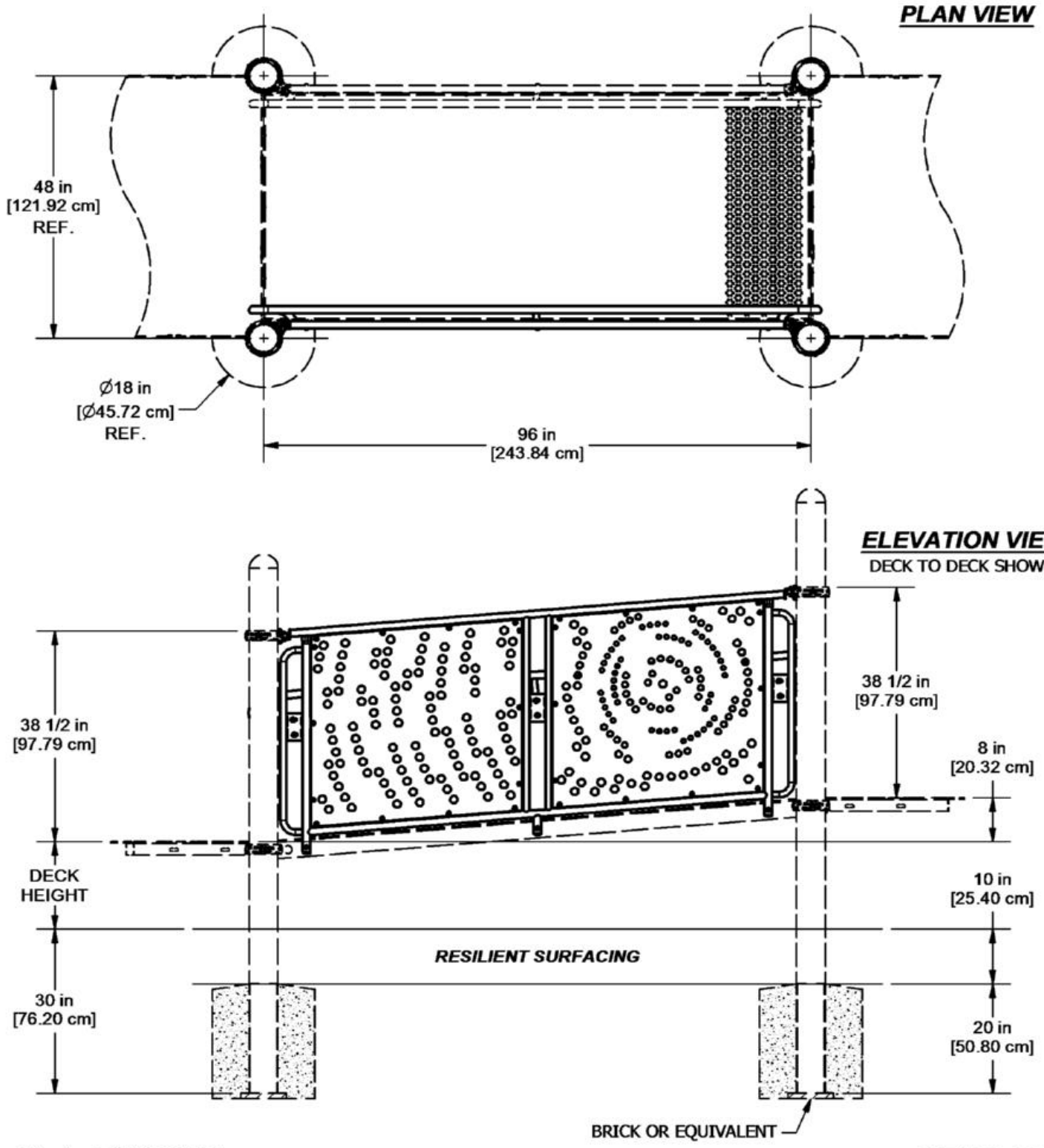
DECK TO DECK SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

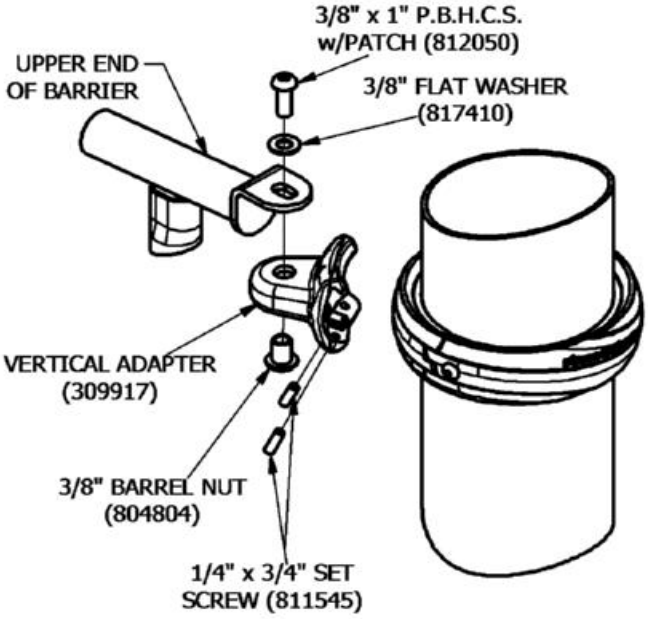
# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) GROUND TO DECK



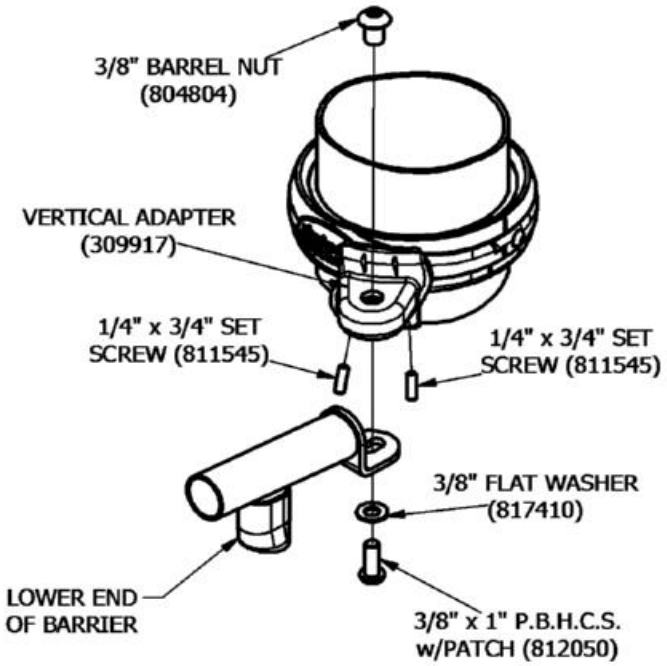
# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS



# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS

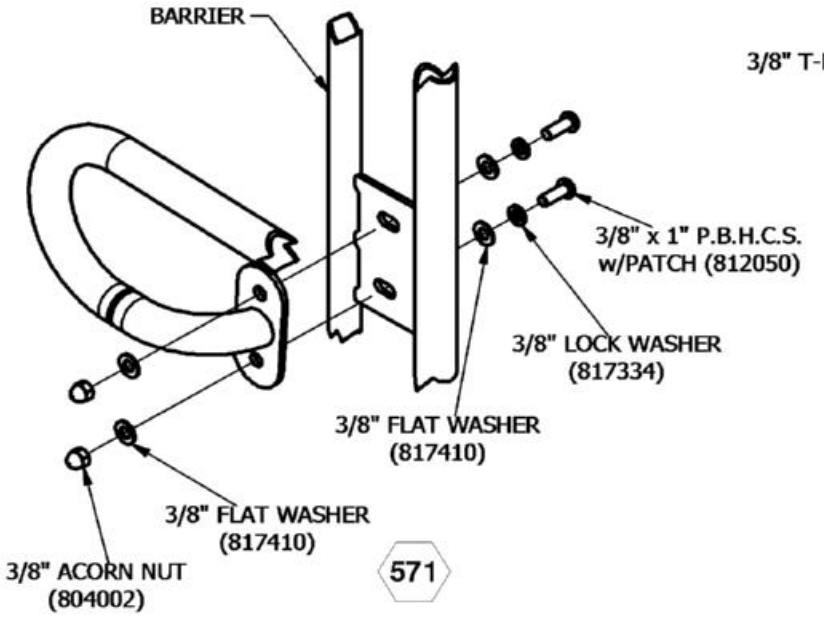



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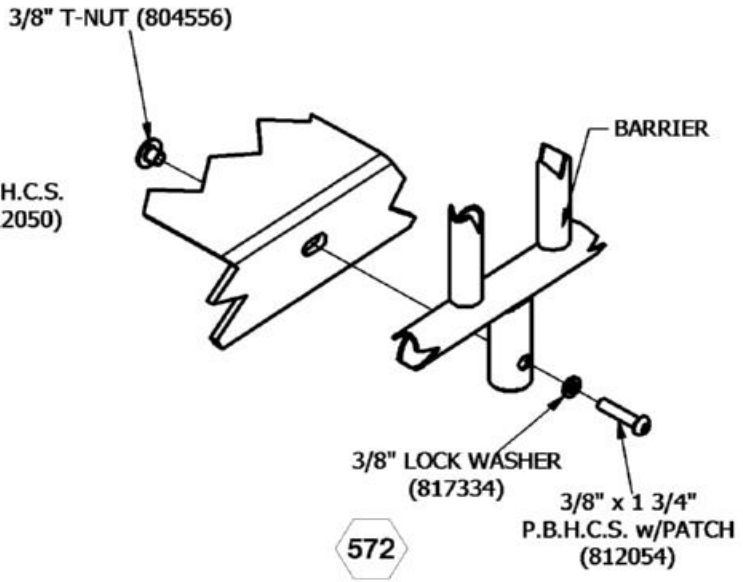



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NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN
TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



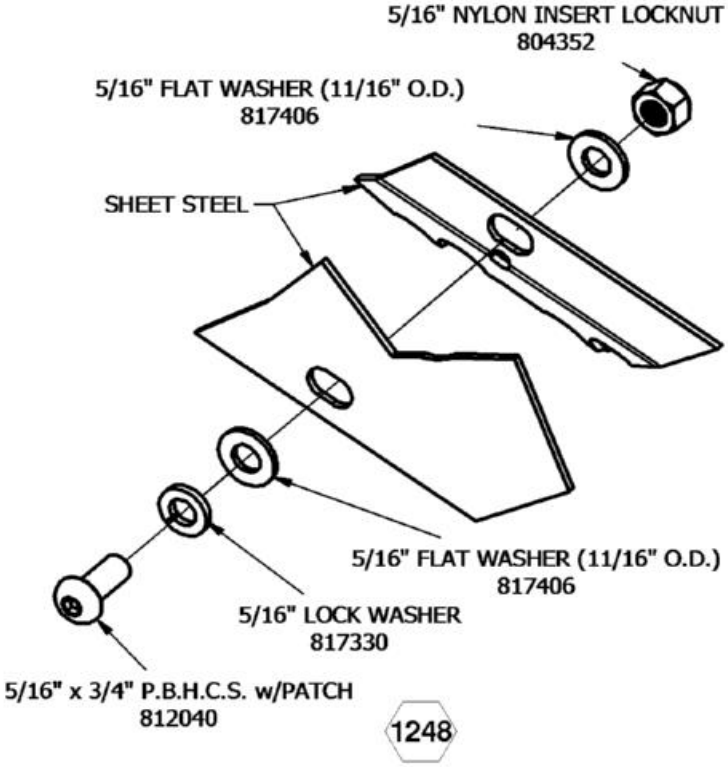

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572

Issued/Revised: **12/10/2024**

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS



SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 72200 | 72236 | 72237 | 72238 | PART NUMBER |
| HOURGLASS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 0 | 7368 |
| 20" BELL SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 0 | 7369 |
| HYPNETIC SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 0 | 7370 |
| PIANO SENSOR RAMP ASSEMBLY | 0 | 0 | 0 | 1 | 7371 |
| 12" BELL SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 0 | 7372 |
| TOPOGRAPHIC SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 0 | 7373 |
| HYPNO WHEEL SENSOR RAMP ASSEMBLY | 0 | 0 | 0 | 1 | 7374 |
| WINDOW PANEL SENSOR RAMP ASSEMBLY | 1 | 1 | 1 | 1 | 7376 |
| 12" ROLLER BALLS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 0 | 7377 |
| HAND HOLD | 1 | 1 | 1 | 1 | 176725 |
| VERTICAL ADAPTER | 2 | 2 | 2 | 2 | 309917 |
| 8' RAMP INLAY BARRIER WELDMENT | 1 | 1 | 1 | 1 | 317250 |
| 8' SENSORY RAMP SIDE BOTTOM GROUND TO 8" | 1 | 1 | 1 | 1 | 317285 |
| 8' SENSORY RAMP SIDE TOP GROUND TO 8" | 1 | 1 | 1 | 1 | 317287 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 317458 |
| 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 28 | 28 | 28 | 28 | 812040 |
| 5/16" LOCK WASHER | 28 | 28 | 28 | 28 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 56 | 56 | 56 | 56 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 28 | 28 | 28 | 28 | 804352 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 3 | 3 | 3 | 3 | 812054 |
| 3/8" LOCK WASHER | 9 | 9 | 9 | 9 | 817334 |
| 3/8" FLAT WASHER | 8 | 8 | 8 | 8 | 817410 |
| 3/8" T-NUT | 3 | 3 | 3 | 3 | 804556 |
| 3/8" ACORN NUT | 6 | 6 | 6 | 6 | 804002 |
| 3/8" BARREL NUT | 2 | 2 | 2 | 2 | 804804 |

*Unless Otherwise Specified, All Units of Measure are Each*
**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

## INSTALLATION INSTRUCTIONS:

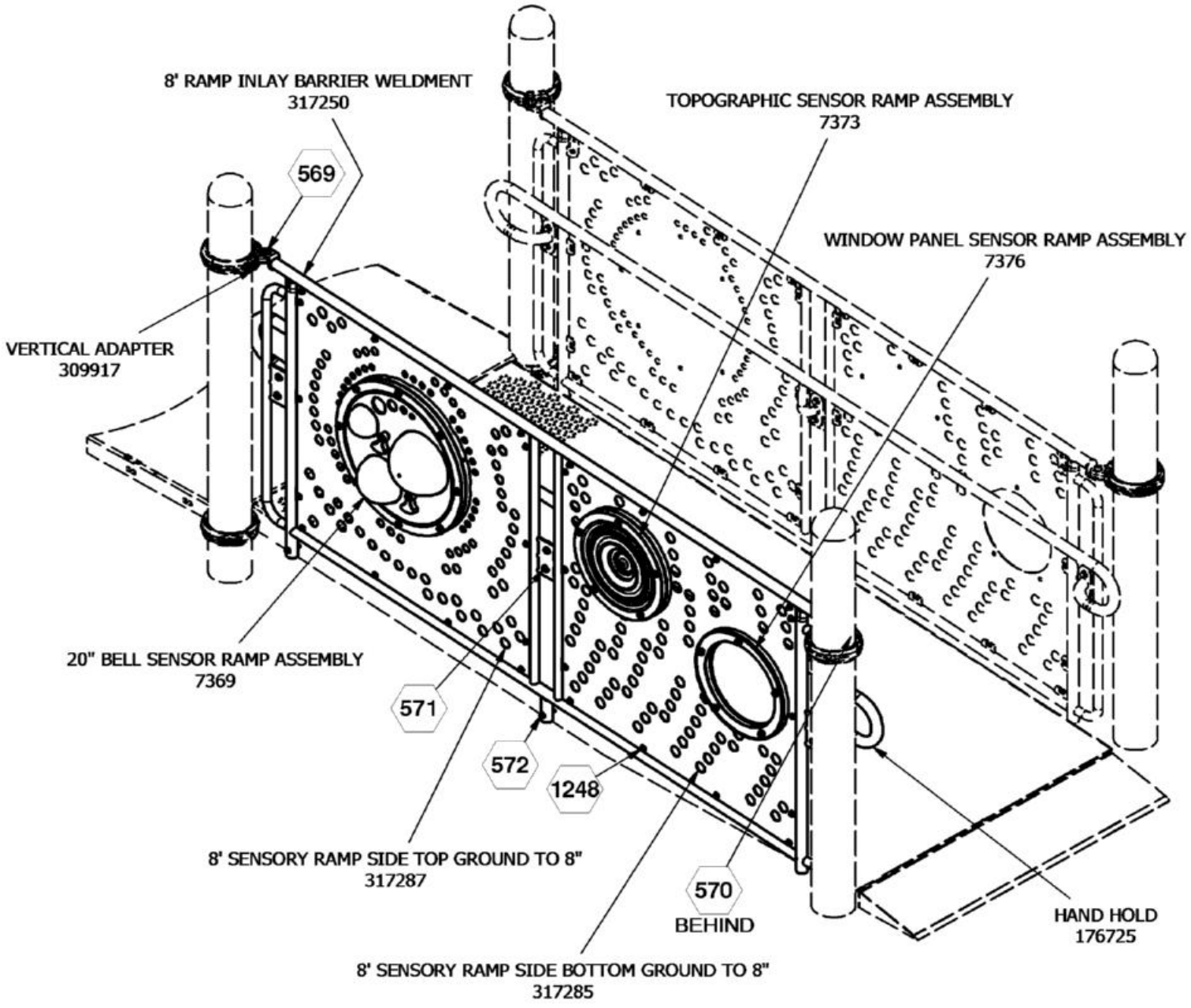
1. Determine which ramp barrier is to receive which ramp Sensor Package. Refer to order Top View.
2. Attach the Sensor Ramp Side Top and Bottom to the Inlay Barrier Weldment. See Detail 1248.
3. Attach top of the Barrier to the existing Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach the bottom of the Barrier to the side of the Ramp. See Detail 572.
5. Refer to specific installation sheets for all necessary installation steps for correct sensors.
6. Attach Hand Hold to the Barrier. See Detail 571.
7. When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

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

SuperMax Play Systems

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A




= INSTALLATION DETAIL

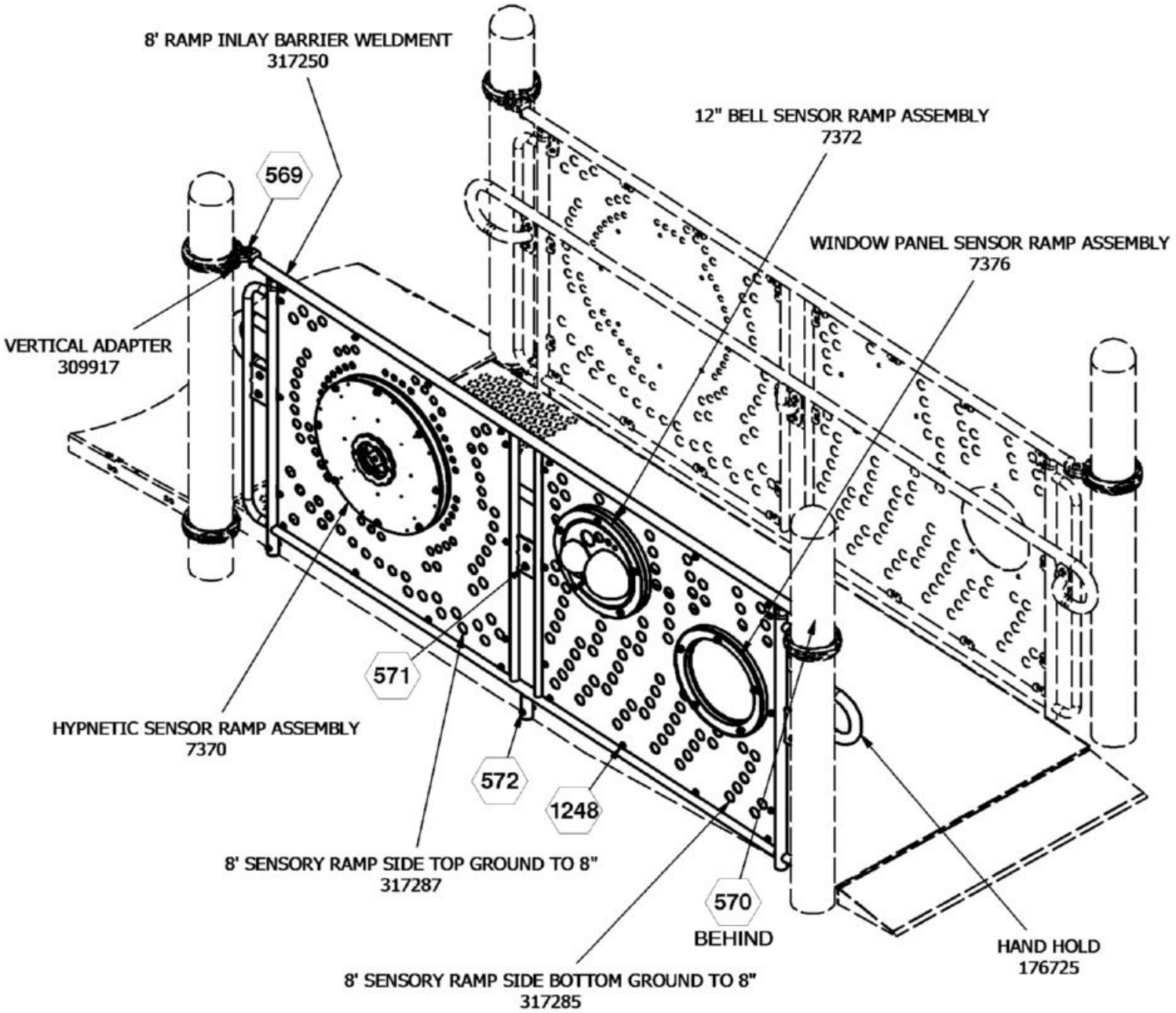
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B




= INSTALLATION DETAIL

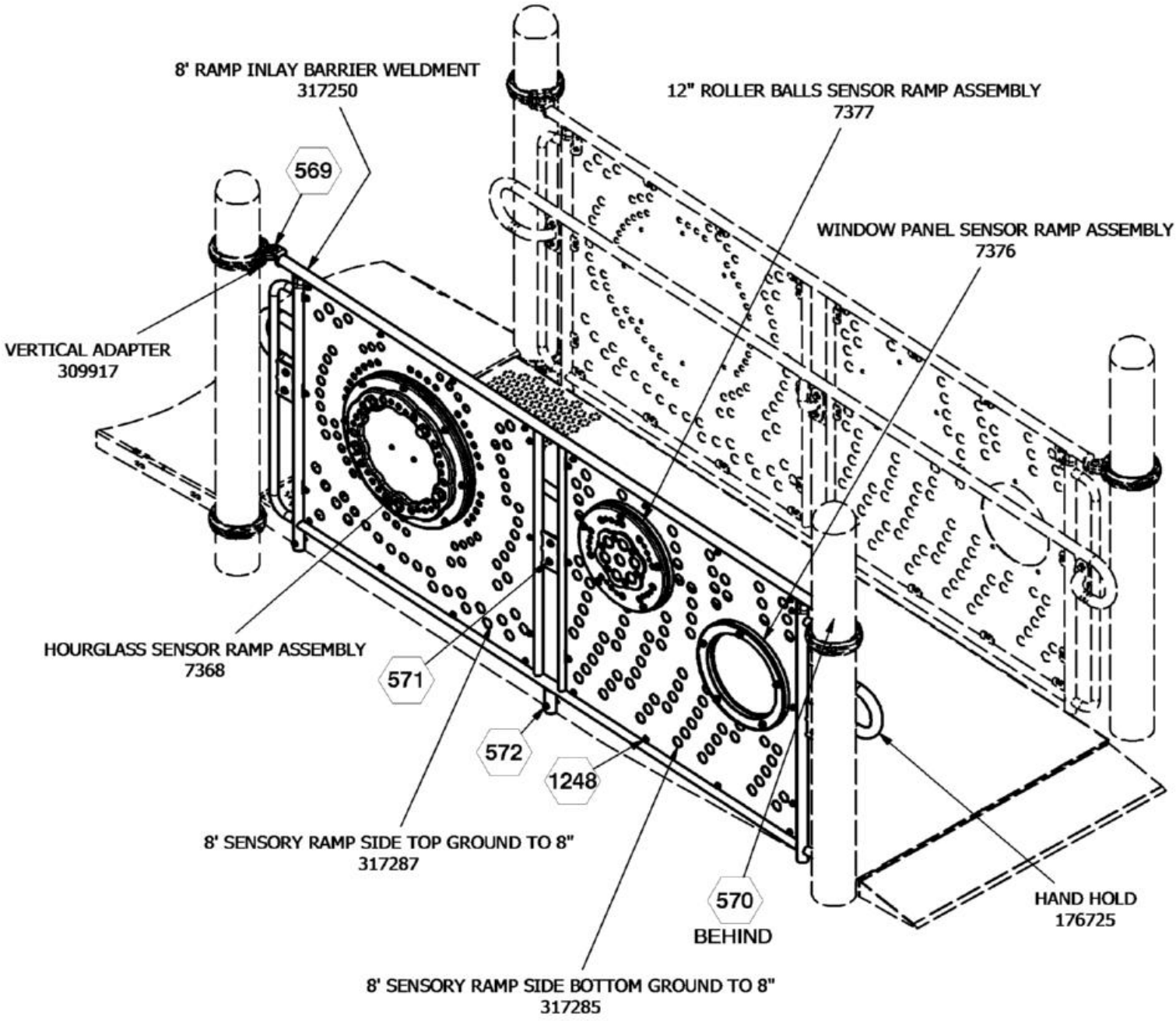
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

SuperMax Play Systems

# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C




⬡ = INSTALLATION DETAIL

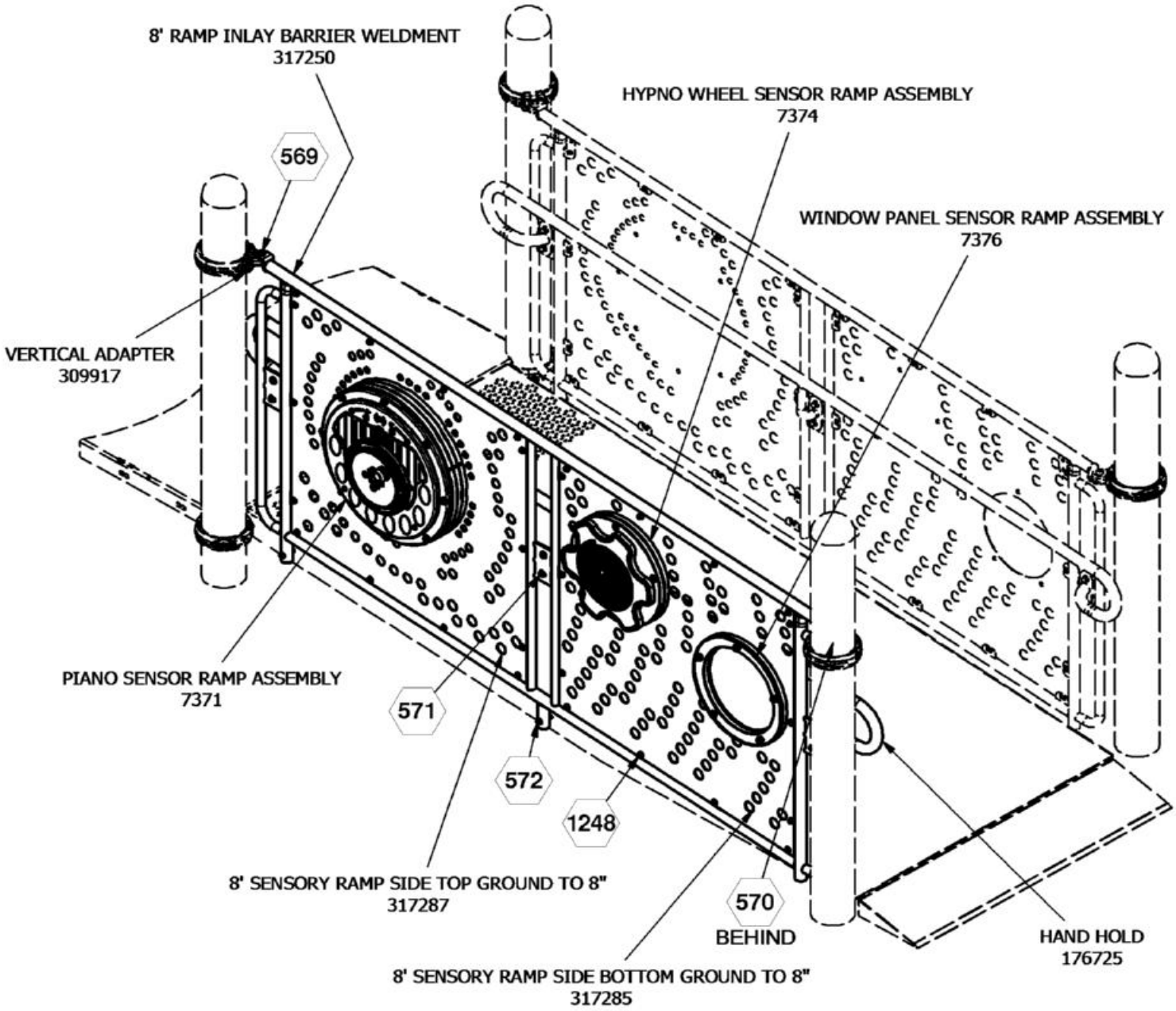
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D




= INSTALLATION DETAIL

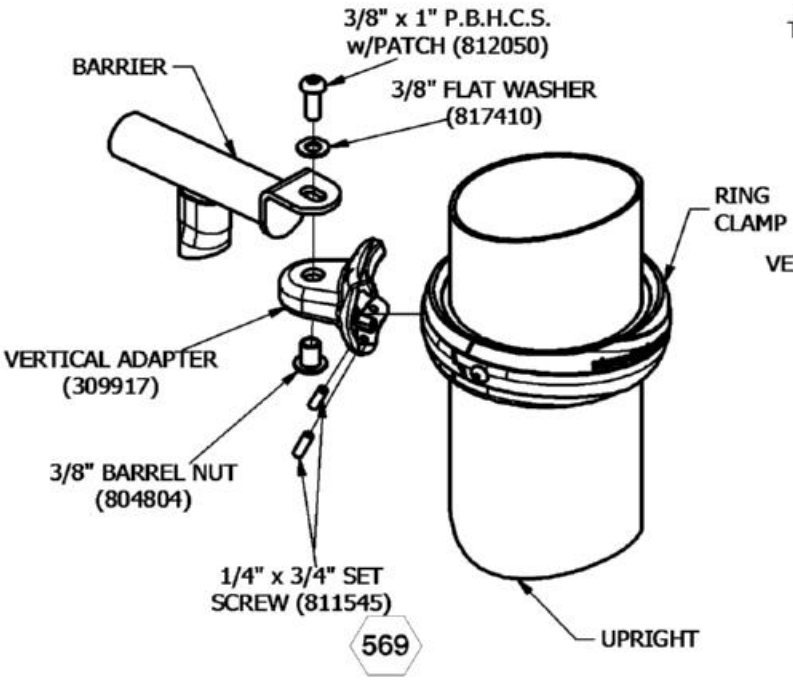
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

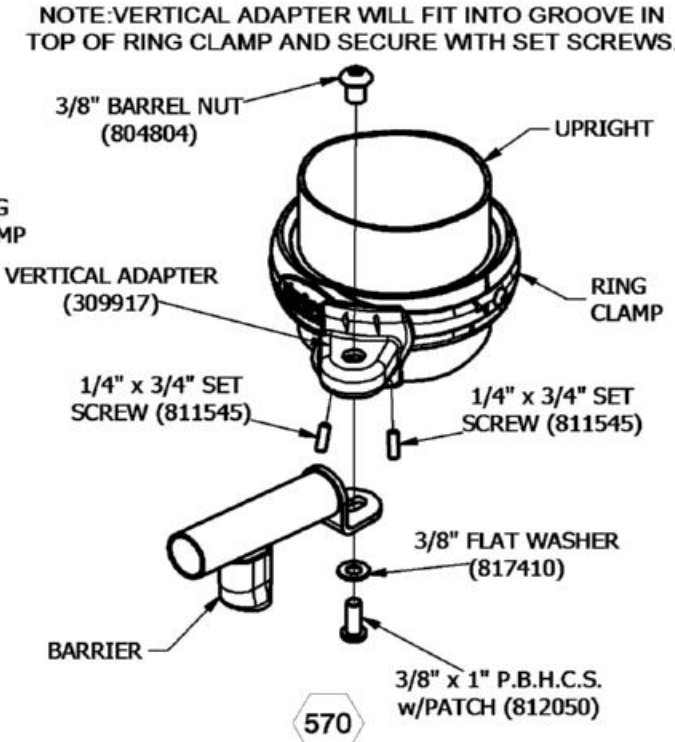
# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

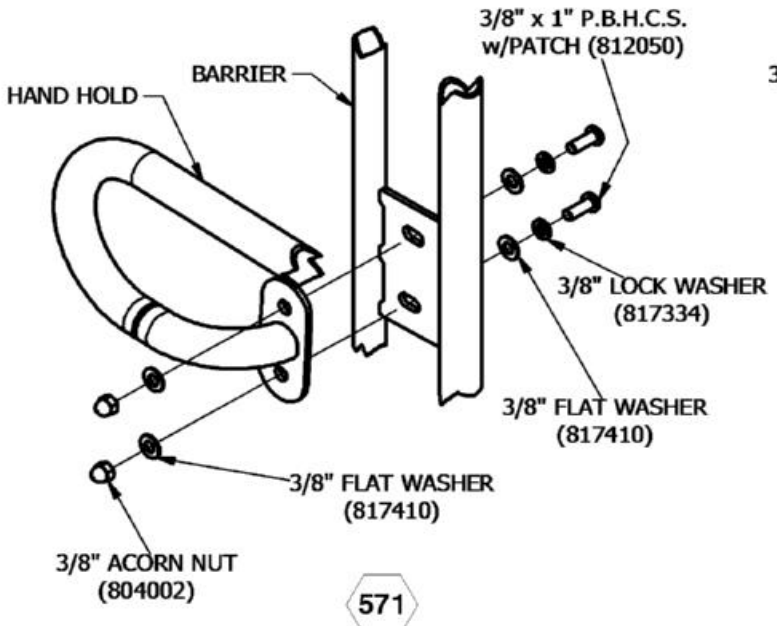



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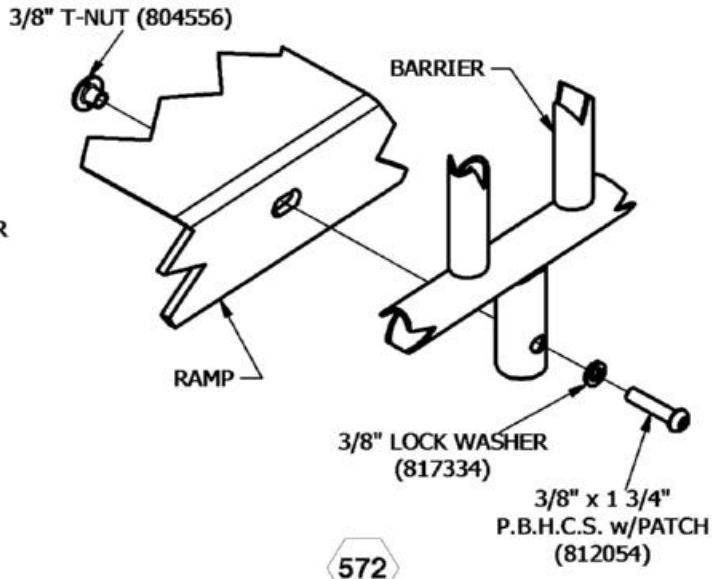
NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



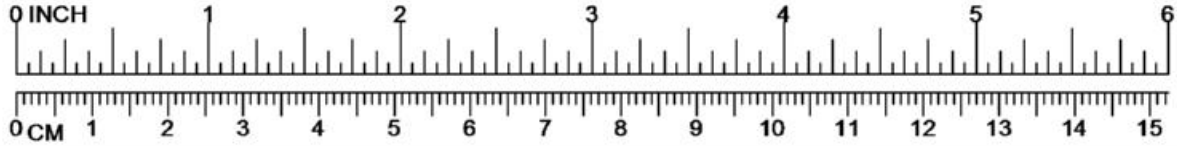

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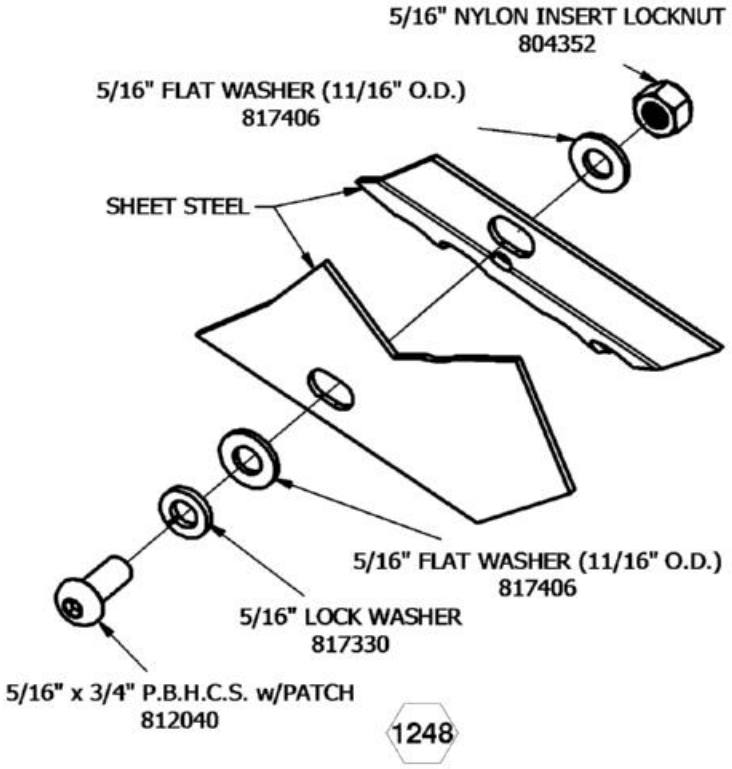

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572




# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D



# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 72244 | 72245 | 72246 | 72247 | PART NUMBER |
| 8" EXTENSION | 0 | 0 | 0 | 2 | 151080 |
| GROUND SUPPORT 1' | 0 | 0 | 2 | 0 | 205412 |
| GROUND SUPPORT 2' | 0 | 0 | 0 | 2 | 205414 |
| ALUMINUM COLLAR | 2 | 0 | 2 | 0 | 301605 |
| TRANSITION PLATE | 1 | 0 | 1 | 0 | 303867 |
| PANEL ADAPTER | 2 | 0 | 2 | 0 | 309919 |
| CROSS BAR | 1 | 0 | 1 | 0 | 310032 |
| RAMP | 1 | 1 | 0 | 0 | 311019 |
| RAMP | 0 | 0 | 2 | 2 | 311030 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 0 | 0 | 317323 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 0 | 0 | 317324 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 317325 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 0 | 1 | 317326 |
| 1/4" x 3/4" SET SCREW | 4 | 0 | 4 | 0 | 811545 |
| 3/8" x 3/8" SET SCREW | 2 | 0 | 2 | 0 | 811549 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 12 | 12 | 812050 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 0 | 2 | 0 | 812053 |
| 3/8" x 3 1/2" HEX HEAD BOLT | 0 | 0 | 0 | 2 | 801013 |
| 3/8" LOCK WASHER | 2 | 0 | 2 | 2 | 817334 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 16 | 16 | 24 | 24 | 817424 |
| 3/8" HEX NUT | 0 | 0 | 0 | 2 | 804053 |
| 3/8" LOCK NUT | 8 | 8 | 12 | 12 | 804353 |

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

**Items listed below Hardware Complete line are included with Hardware Complete Number*

***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. 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 any non-patch hardware.***

# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

## INSTALLATION INSTRUCTIONS:

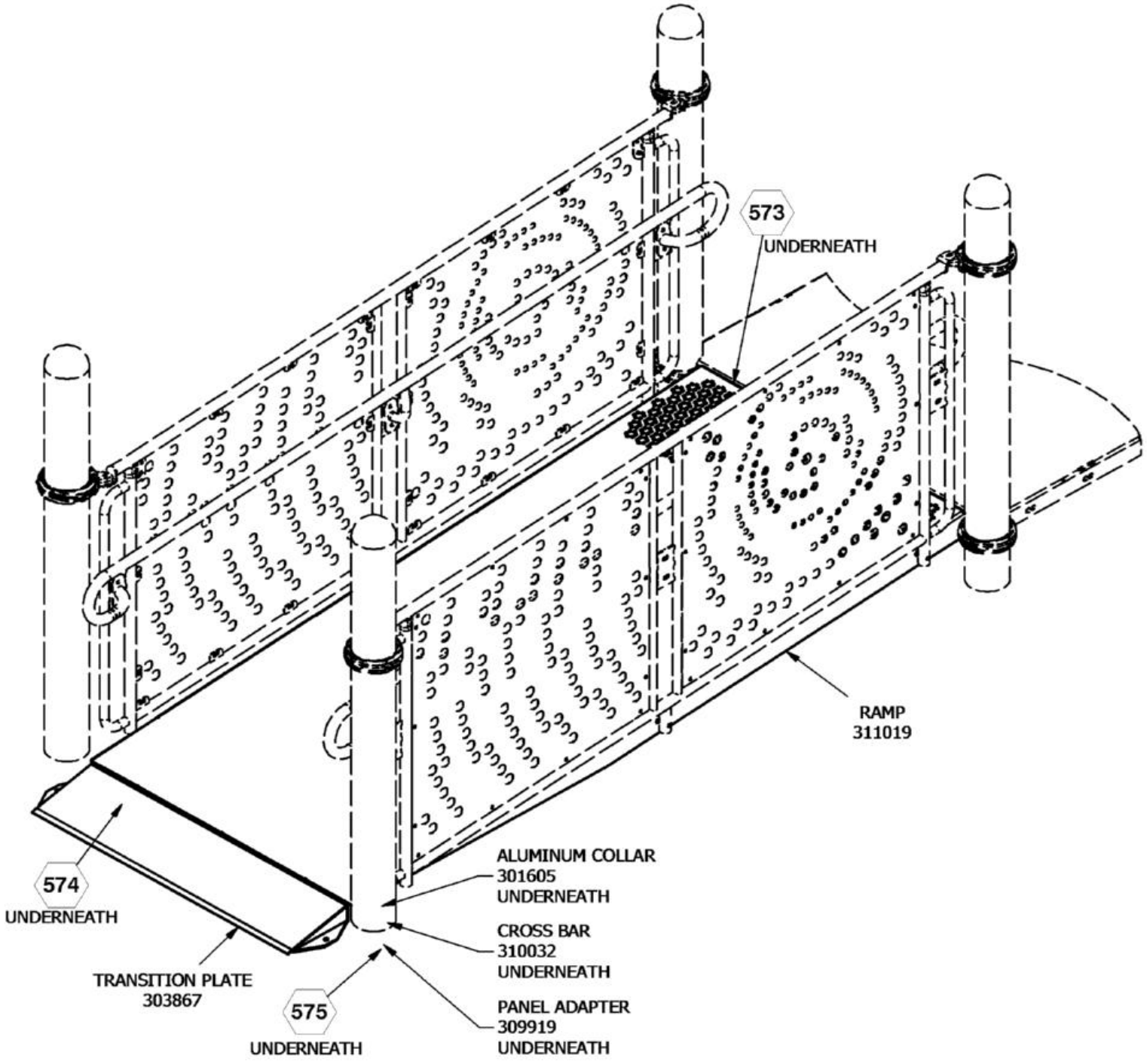
1. Determine which deck(s) are to receive the Ramp, and dig footing holes in locations and depths shown as needed.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. For 72246 and 72247, attach ramps together. See Detail 573.
4. For 72246 and 72247, dig footing holes as shown in Plan Views.
5. For 72247, attach 8" Extensions to Ground Support 2'. See Detail 171.
6. For 72246 and 72247, attach Ground Supports to ramps. See Detail 1332.
7. Attach Ramp(s) to existing deck(s). See Detail 573.
8. For 72244 and 72246, attach lower end of Ramp to the existing Uprights using Crossbar, Aluminum Collar and Panel Adapters. See Detail 575. Ramp should be centered between uprights and secured by tightening set screws in collar.
9. For 72244 and 72246, attach Transition Plate to the lower end of Ramp. See Detail 574.
10. When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also eliminate sharp points and sharp 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.

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

SuperMax Play Systems

# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY)




= INSTALLATION DETAIL

Issued/Revised: 9/19/2024

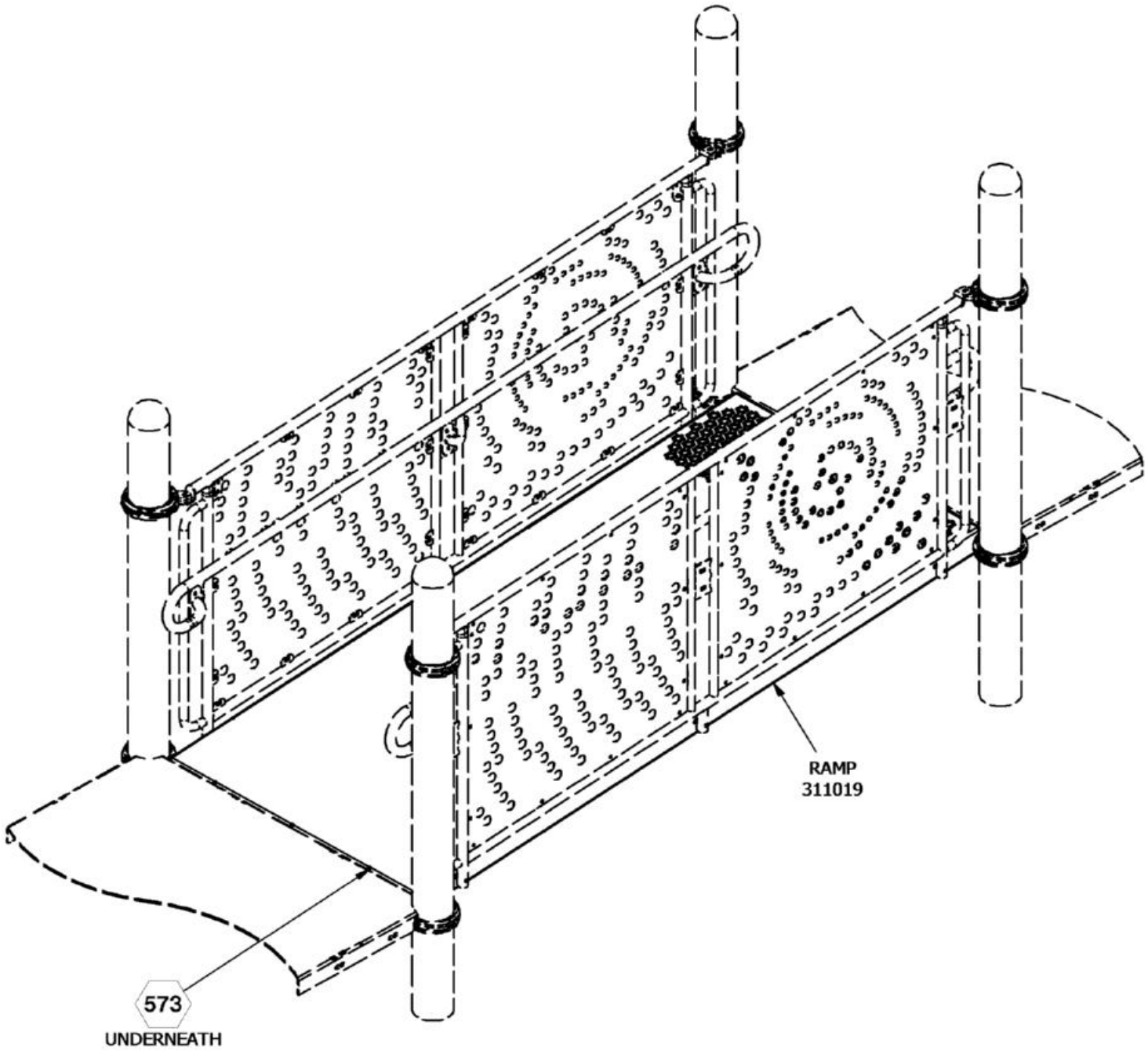
***FINISHED ASSEMBLY***

72244 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72245 8FT RAMP DECK TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

Issued/Revised: 9/19/2024

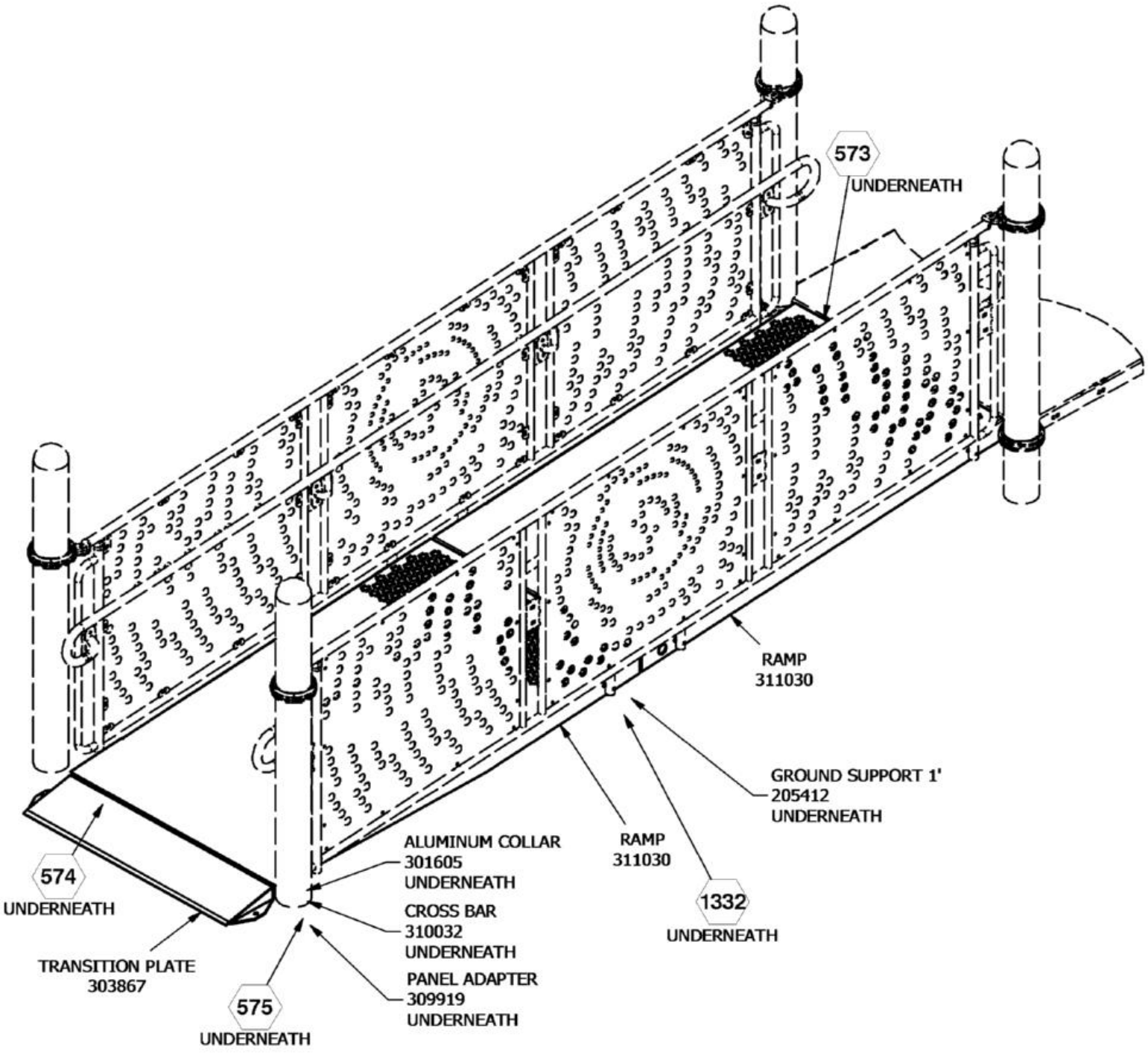
***FINISHED ASSEMBLY***

72245 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72246 12FT RAMP GROUND TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

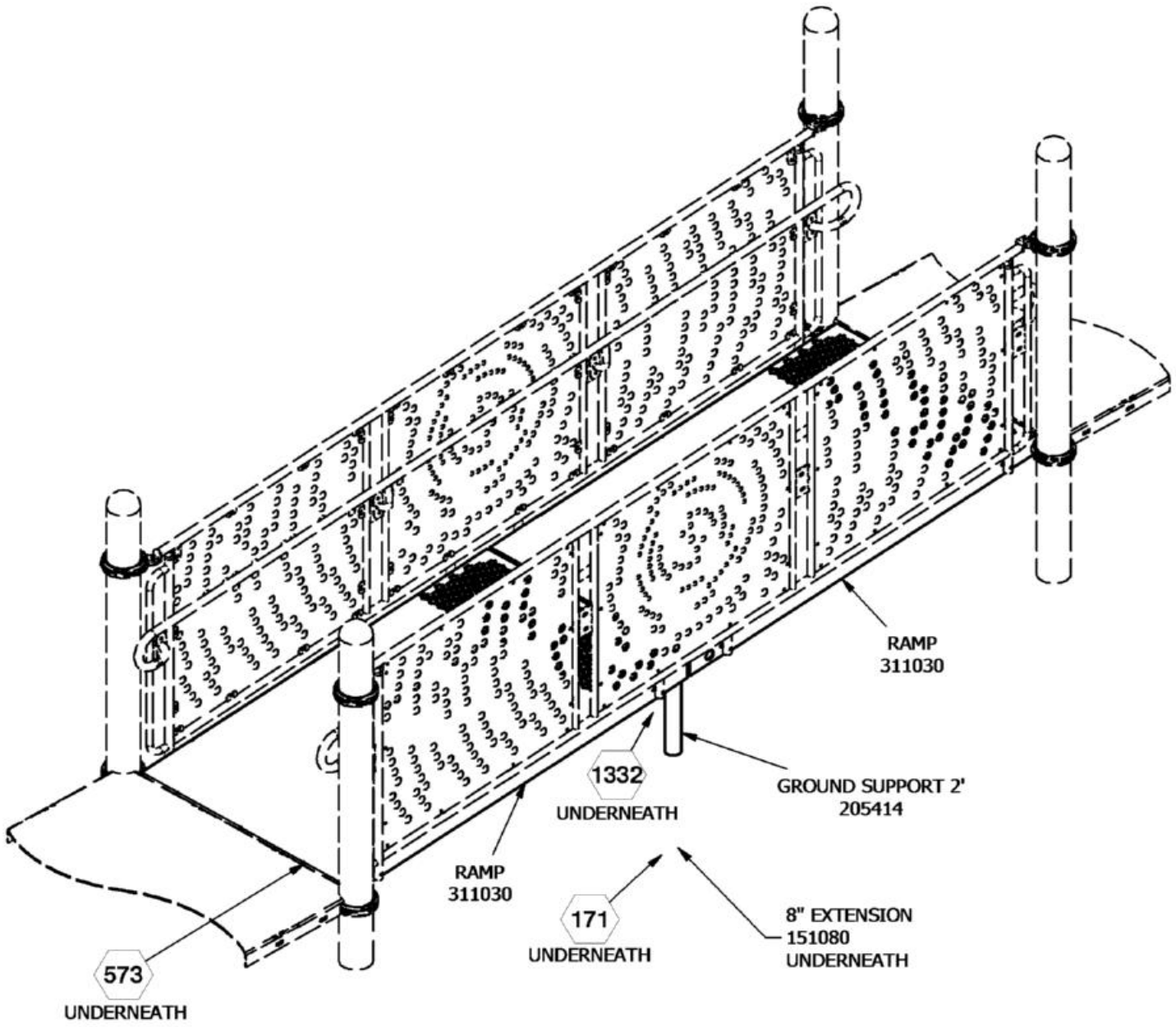
Issued/Revised: 9/19/2024

***FINISHED ASSEMBLY***

72246 SHOWN

SuperMax Play Systems

# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

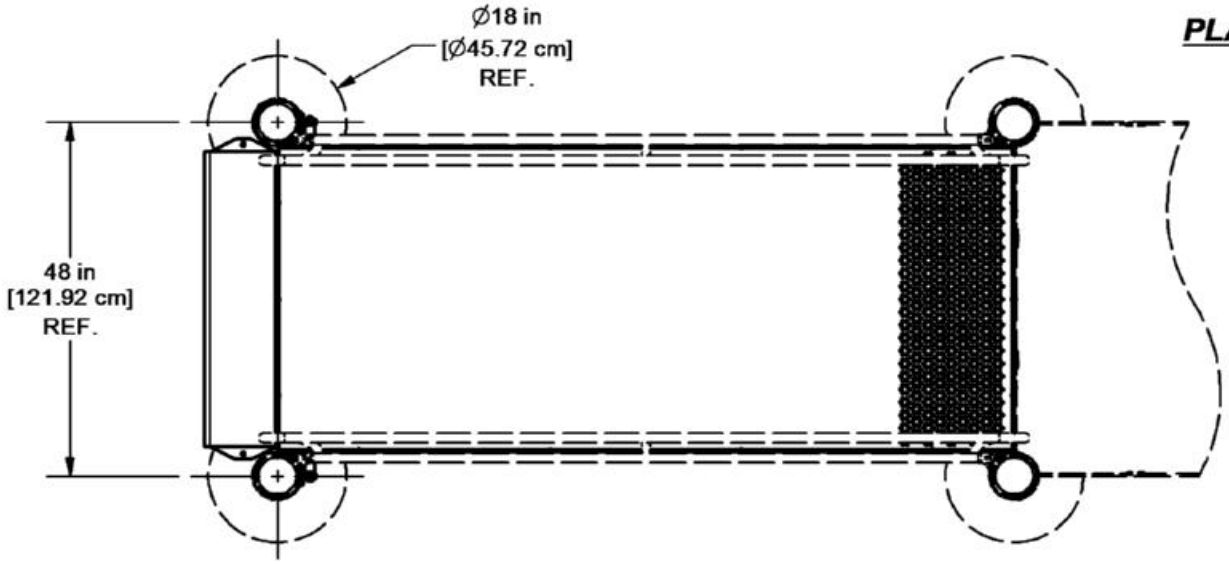
Issued/Revised: 9/19/2024

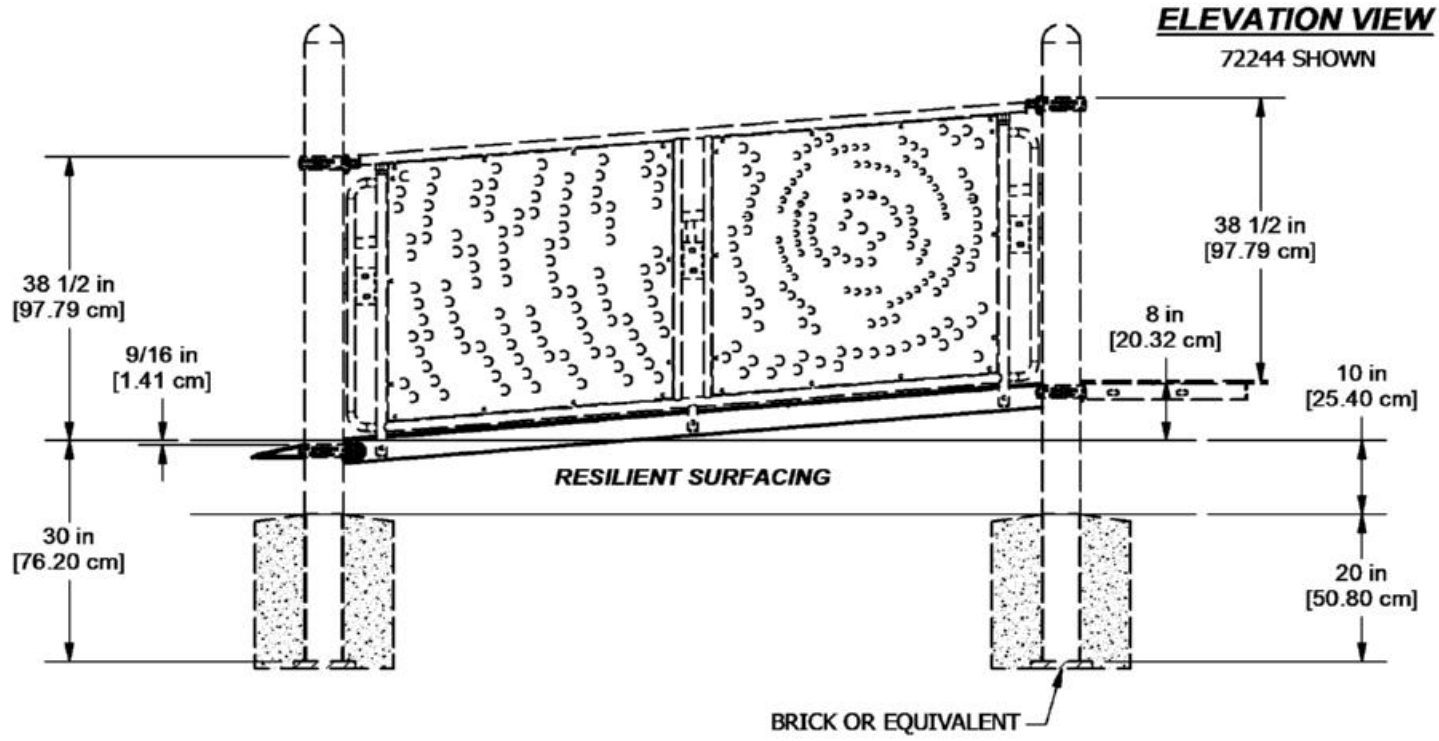
***FINISHED ASSEMBLY***

72247 SHOWN

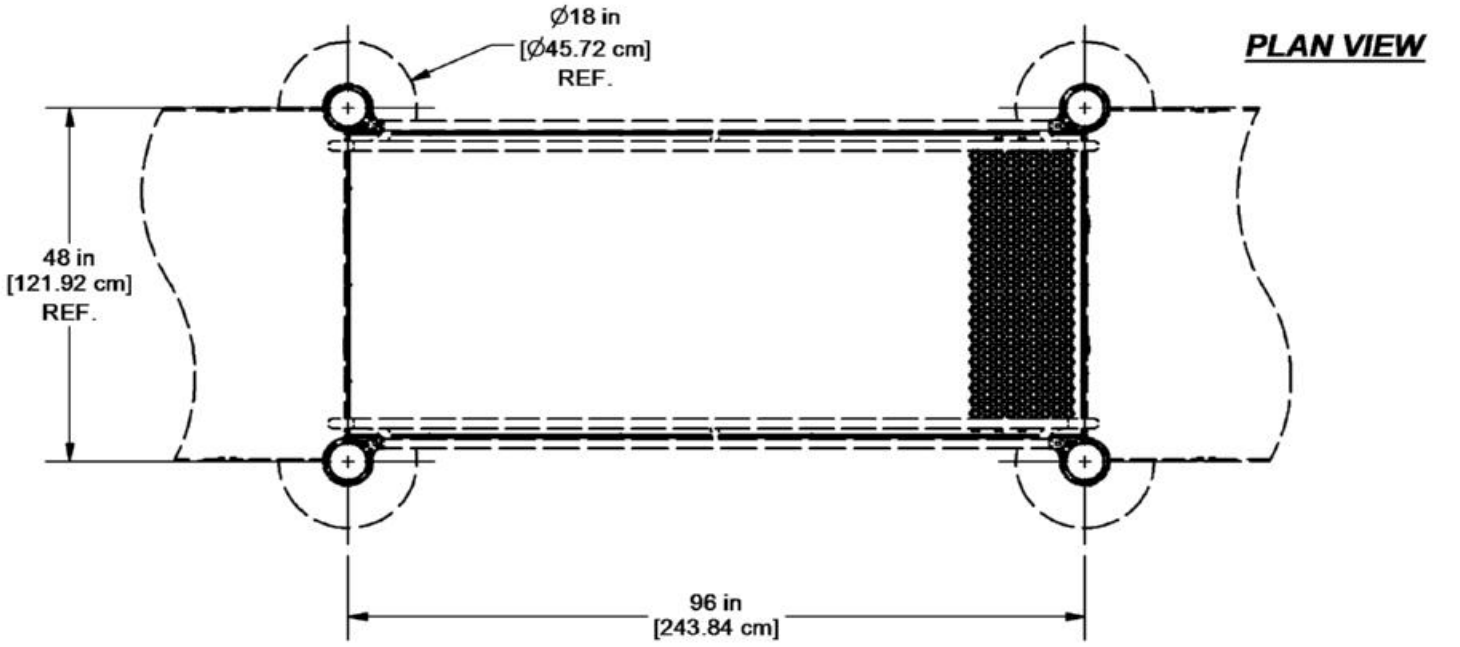
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

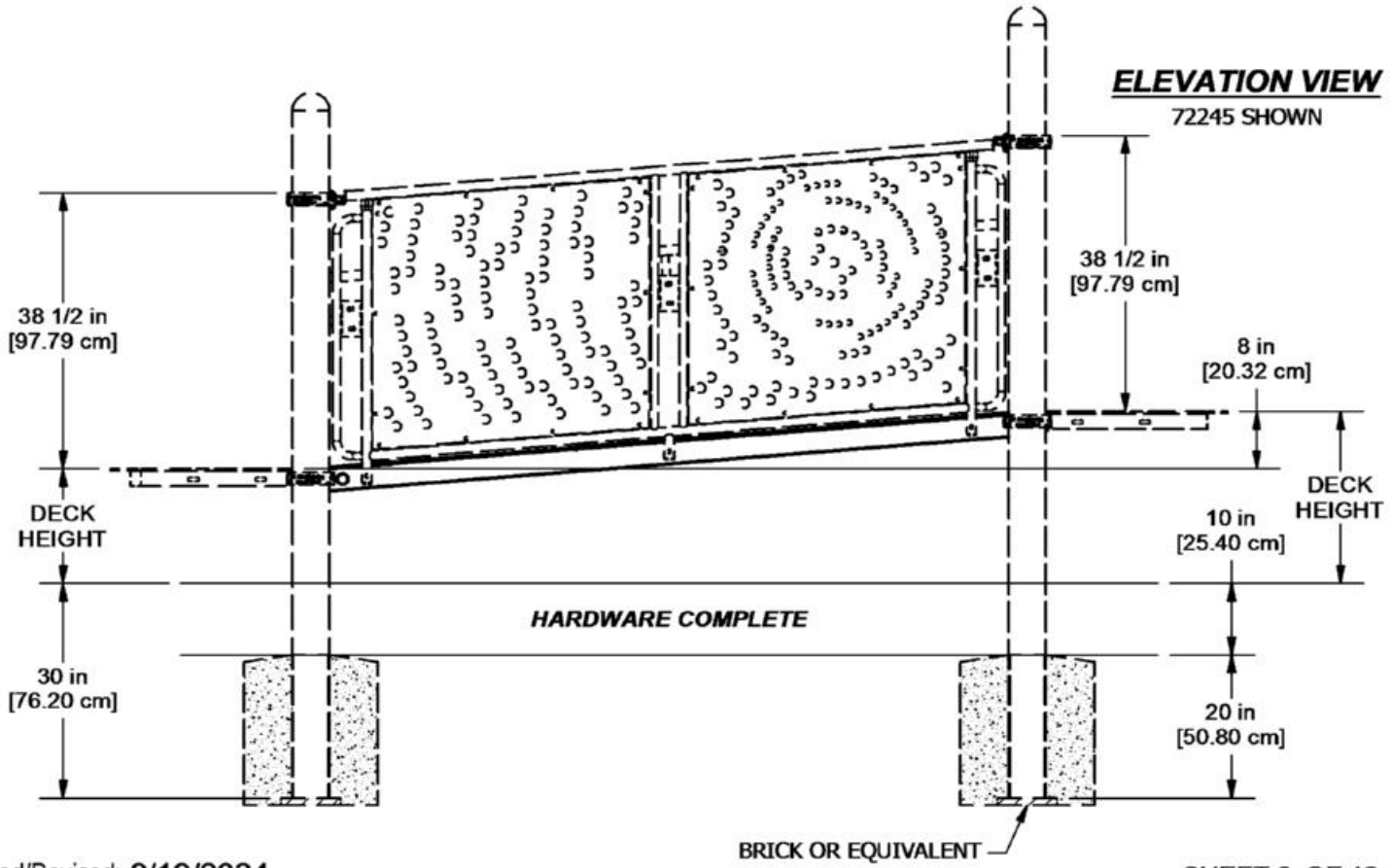
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY)



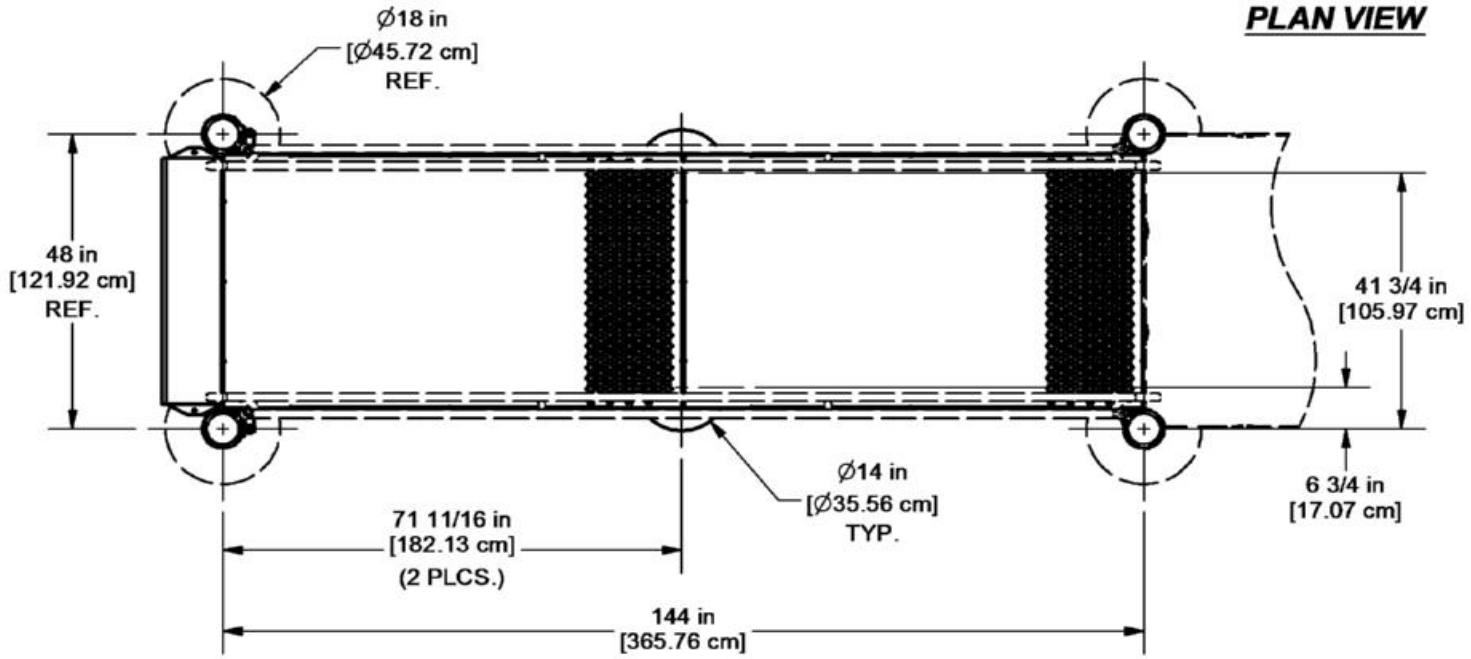
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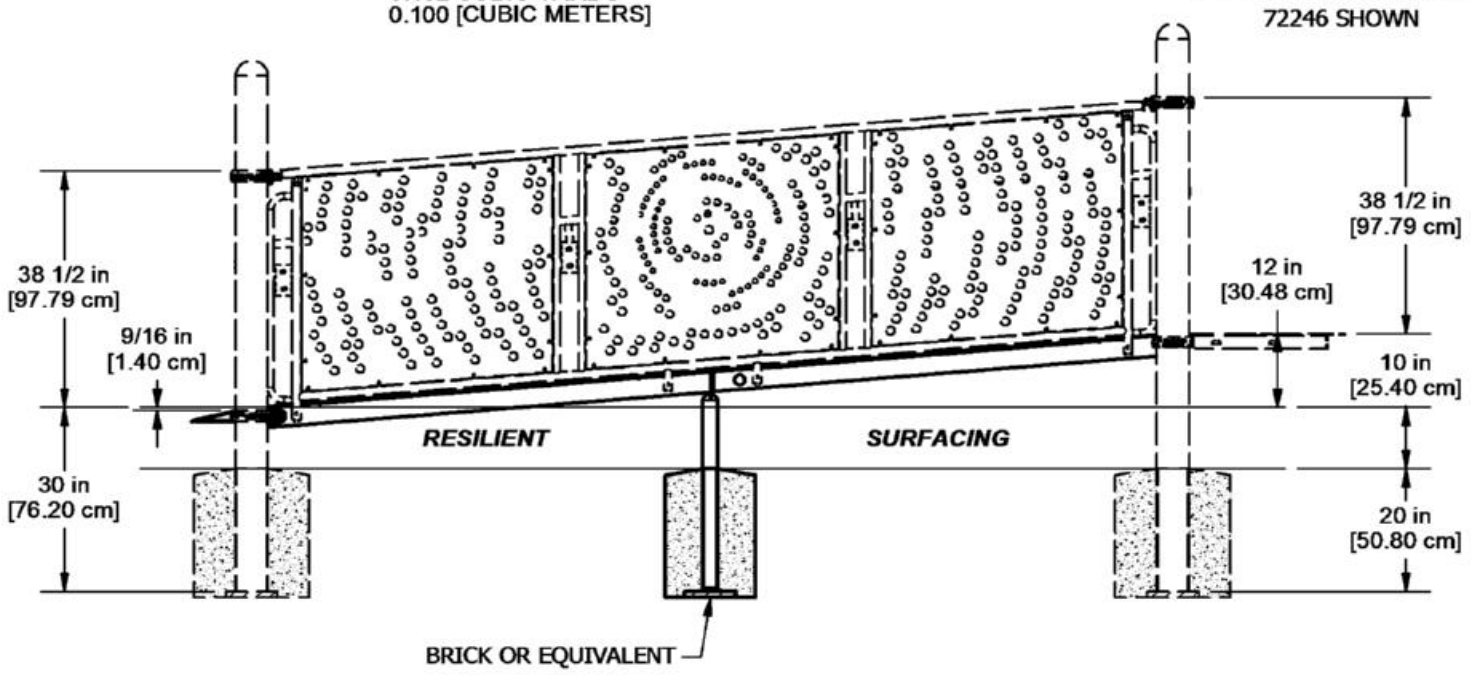
# 72246 12FT RAMP GROUND TO DECK (RAMP ONLY)

**PLAN VIEW**



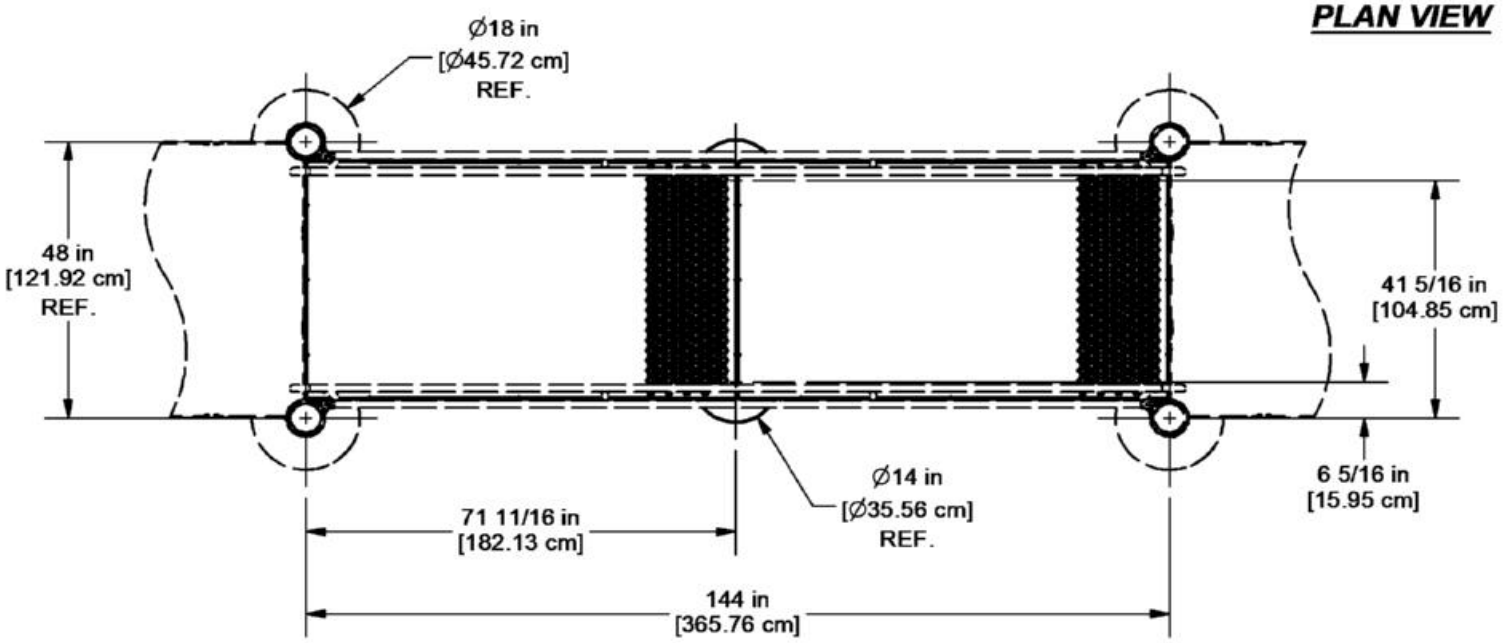

**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

**ELEVATION VIEW**
72246 SHOWN



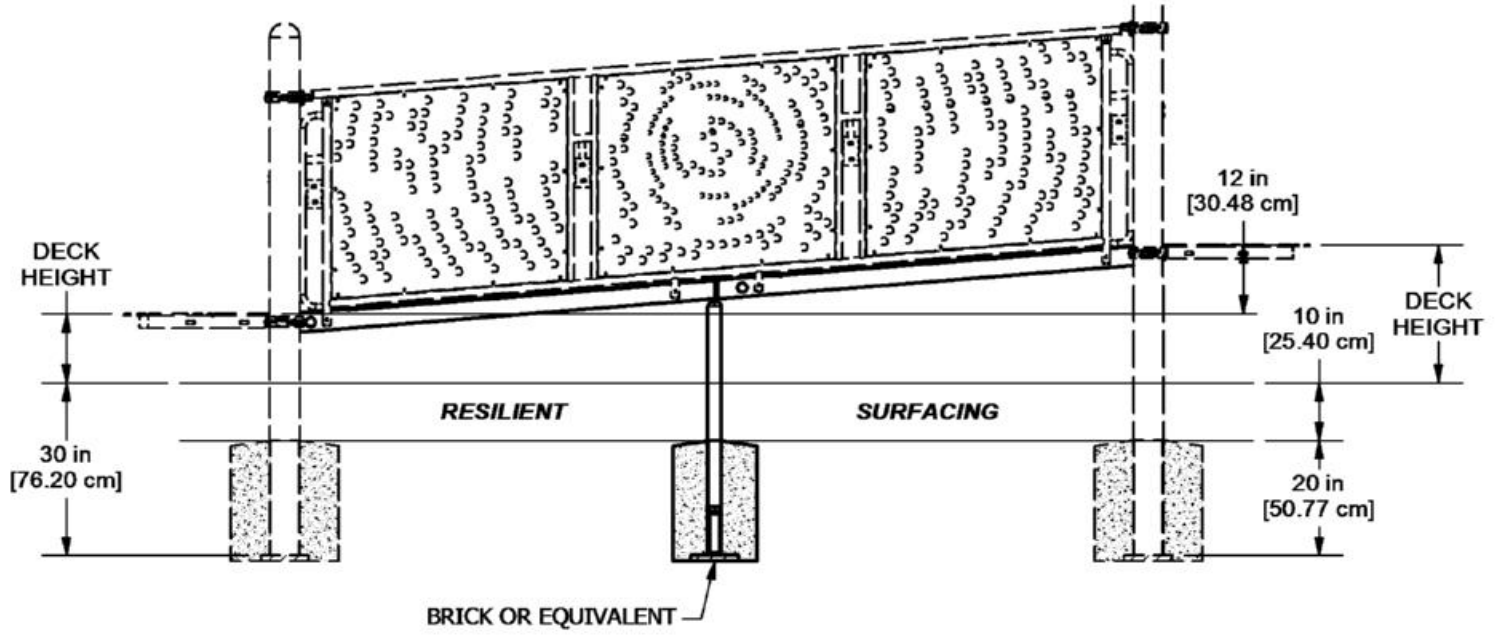
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**PLAN VIEW**

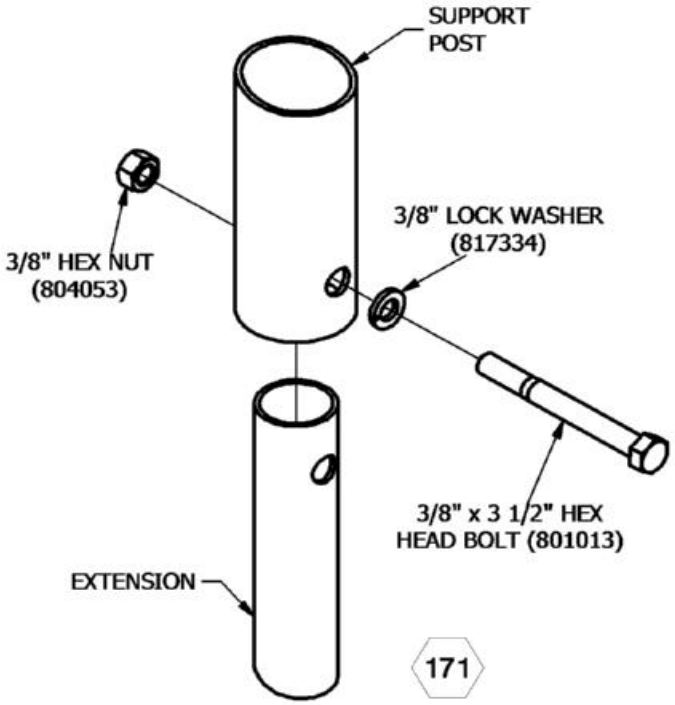



**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

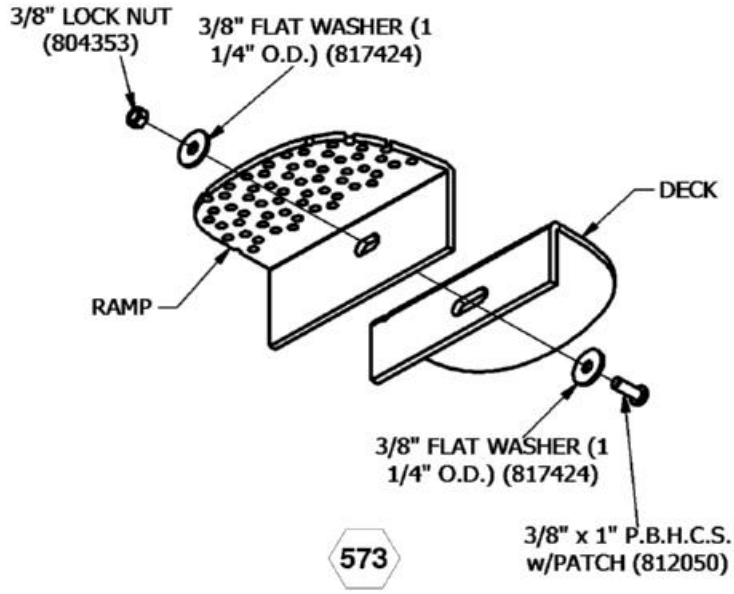
**ELEVATION VIEW**
72247 SHOWN



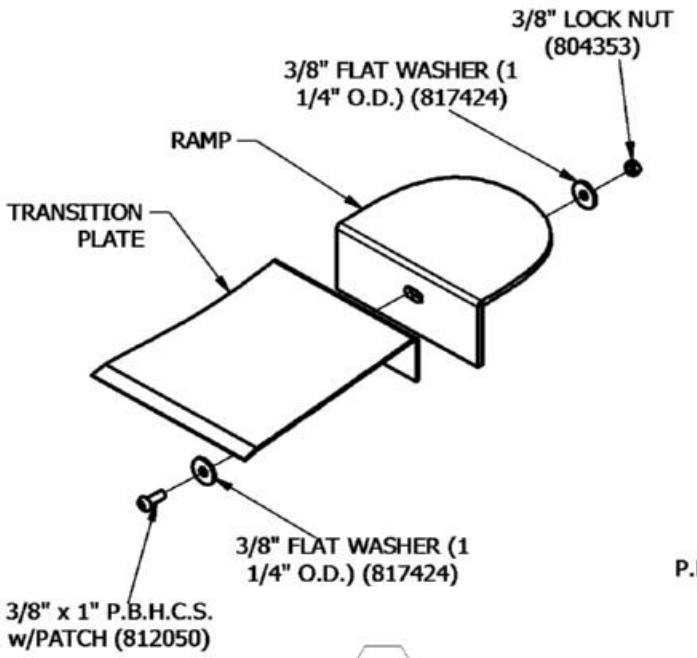
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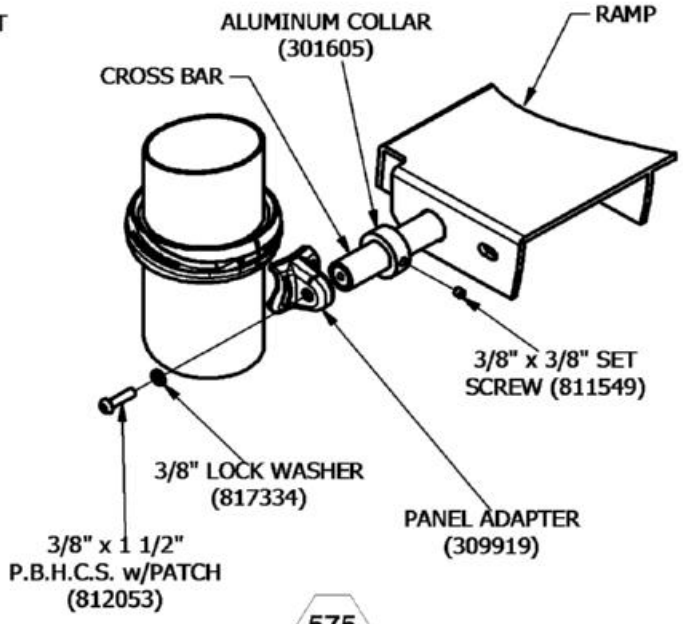

171




573



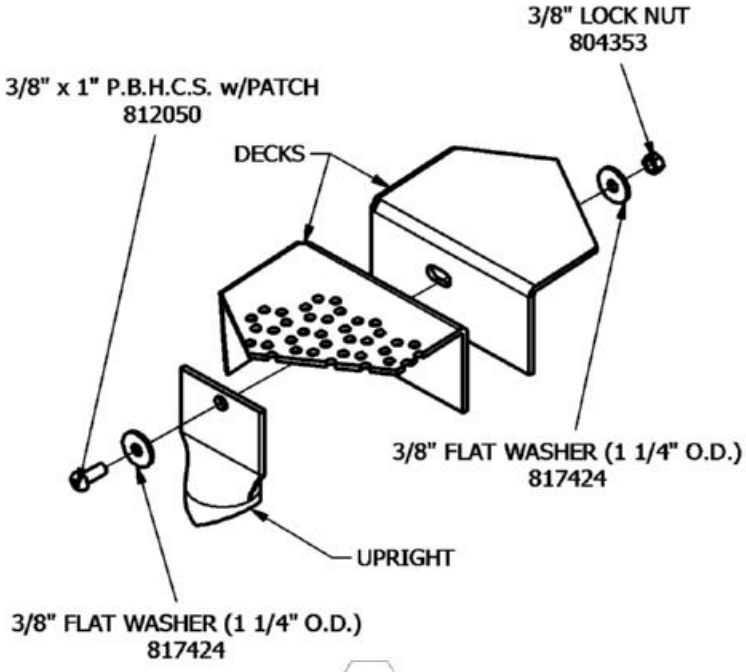

574




575

NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

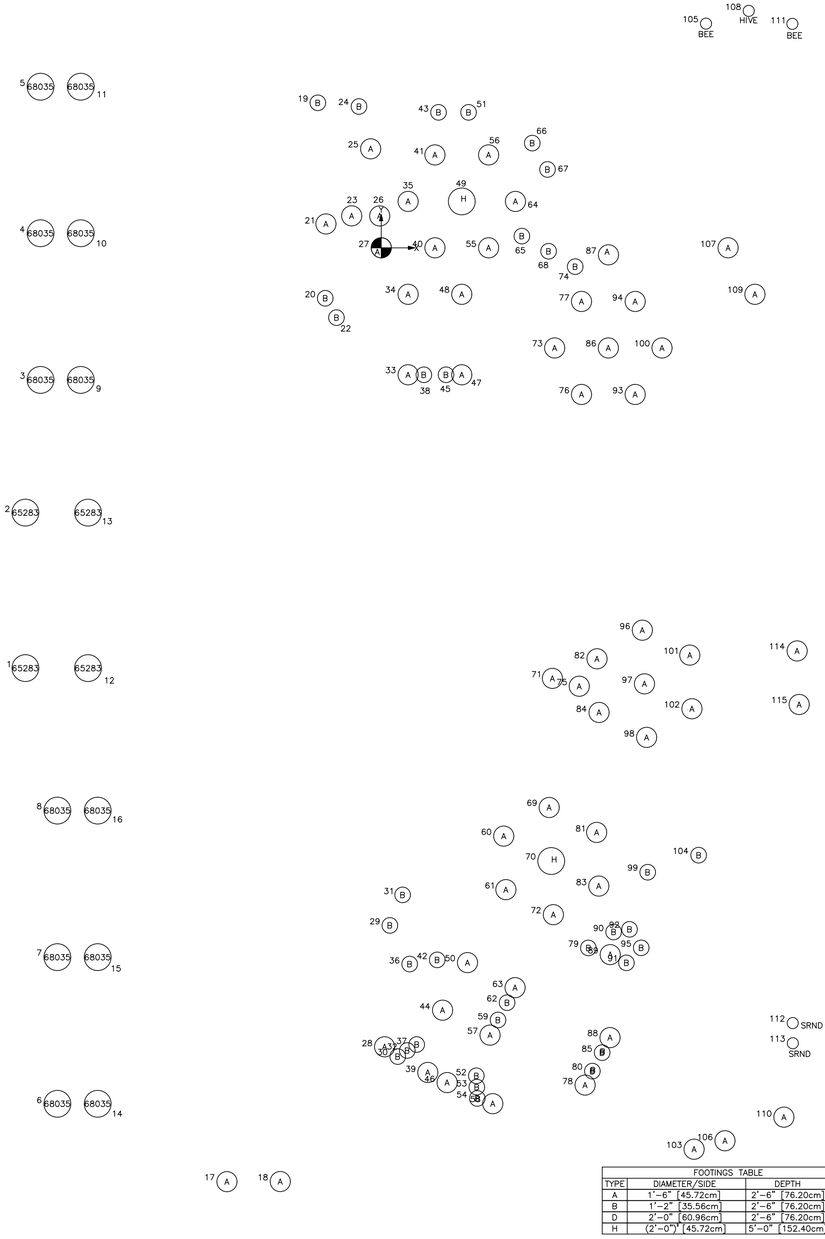
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

# Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS




| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | -26'-6" | -31'-4 1/2" | 41'-1" |
| 2 | -26'-6" | -19'-9 1/2" | 33'-1" |
| 3 | -25'-4 1/2" | -9'-10 1/2" | 27'-3" |
| 4 | -25'-4 1/2" | 1'-0 1/2" | 25'-5" |
| 5 | -25'-4 1/2" | 11'-11 1/2" | 28'-1" |
| 6 | -24'-1 1/2" | -63'-10 1/2" | 68'-3 1/2" |
| 7 | -24'-1 1/2" | -52'-10 1/2" | 58'-1 1/2" |
| 8 | -24'-1 1/2" | -41'-11 1/2" | 48'-5" |
| 9 | -22'-4 1/2" | -9'-10 1/2" | 24'-5 1/2" |
| 10 | -22'-4 1/2" | 1'-0 1/2" | 22'-5" |
| 11 | -22'-4 1/2" | 11'-11 1/2" | 25'-4 1/2" |
| 12 | -21'-10" | -31'-4 1/2" | 38'-3" |
| 13 | -21'-10" | -19'-9 1/2" | 29'-6" |
| 14 | -21'-1 1/2" | -63'-10 1/2" | 67'-3 1/2" |
| 15 | -21'-1 1/2" | -52'-10 1/2" | 56'-11 1/2" |
| 16 | -21'-1 1/2" | -41'-11 1/2" | 47' |
| 17 | -11'-6" | -69'-7 1/2" | 70'-7" |
| 18 | -7'-6 1/2" | -69'-7 1/2" | 70'-0 1/2" |
| 19 | -4'-8 1/2" | 10'-9 1/2" | 11'-9 1/2" |
| 20 | -4'-2" | -3'-9 1/2" | 5'-7 1/2" |
| 21 | -4'-1 1/2" | 1'-8 1/2" | 4'-5 1/2" |
| 22 | -3'-4" | -5'-2 1/2" | 6'-2 1/2" |
| 23 | -2'-2 1/2" | 2'-4 1/2" | 3'-3" |
| 24 | -1'-8" | 10'-6 1/2" | 10'-8" |
| 25 | -9 1/2" | 7'-4 1/2" | 7'-5" |
| 26 | -1 1/2" | 2'-4 1/2" | 2'-4 1/2" |
| 27 | 0" | -1/2" | 1/2" |
| 28 | 3" | -59'-7 1/2" | 59'-7 1/2" |
| 29 | 7 1/2" | -50'-6 1/2" | 50'-6 1/2" |
| 30 | 1'-2 1/2" | -60'-3 1/2" | 60'-3 1/2" |
| 31 | 1'-7" | -48'-3 1/2" | 48'-4" |
| 32 | 1'-11 1/2" | -59'-10 1/2" | 59'-11" |
| 33 | 2' | -9'-5 1/2" | 9'-8" |
| 34 | 2' | -3'-5 1/2" | 4' |
| 35 | 2' | 3'-5 1/2" | 4" |
| 36 | 2'-1 1/2" | -53'-5 1/2" | 53'-6" |
| 37 | 2'-8" | -59'-5 1/2" | 59'-6 1/2" |
| 38 | 3'-2" | -9'-5 1/2" | 10' |
| 39 | 3'-5 1/2" | -61'-6 1/2" | 61'-7 1/2" |
| 40 | 4' | -1/2" | 4' |
| 41 | 4' | 6'-10 1/2" | 7'-11 1/2" |
| 42 | 4'-2" | -53'-1 1/2" | 53'-3 1/2" |
| 43 | 4'-3 1/2" | 10'-0 1/2" | 10'-11" |
| 44 | 4'-7" | -56'-10 1/2" | 57'-1" |
| 45 | 4'-10" | -9'-5 1/2" | 10'-7 1/2" |
| 46 | 4'-11" | -62'-3 1/2" | 62'-6" |
| 47 | 6' | -9'-5 1/2" | 11'-2 1/2" |
| 48 | 6' | -3'-5 1/2" | 6'-11" |
| 49 | 6' | 3'-5 1/2" | 6'-11" |
| 50 | 6'-5" | -53'-3 1/2" | 53'-8" |
| 51 | 6'-6" | 10'-0 1/2" | 11'-11 1/2" |
| 52 | 7'-1" | -61'-9 1/2" | 62'-2 1/2" |
| 53 | 7'-1 1/2" | -62'-7 1/2" | 63'-0 1/2" |
| 54 | 7'-2" | -63'-5 1/2" | 63'-10 1/2" |
| 55 | 8' | -1/2" | 8' |
| 56 | 8' | 6'-10 1/2" | 10'-6 1/2" |
| 57 | 8'-1 1/2" | -58'-8 1/2" | 59'-3" |
| 58 | 8'-4" | -63'-9 1/2" | 64'-4" |
| 59 | 8'-8 1/2" | -57'-7 1/2" | 58'-3 1/2" |
| 60 | 9'-1 1/2" | -43'-10 1/2" | 44'-10" |
| 61 | 9'-3 1/2" | -47'-10 1/2" | 48'-9 1/2" |
| 62 | 9'-4 1/2" | -56'-3 1/2" | 57'-1" |
| 63 | 9'-11 1/2" | -55'-2 1/2" | 56'-1 1/2" |
| 64 | 10' | 3'-5 1/2" | 10'-7" |
| 65 | 10'-6" | 10 1/2" | 10'-6" |
| 66 | 11'-3" | 7'-9 1/2" | 13'-8" |
| 67 | 12'-4 1/2" | 5'-9 1/2" | 13'-8" |
| 68 | 12'-5 1/2" | -3 1/2" | 12'-5 1/2" |
| 69 | 12'-6" | -41'-8 1/2" | 43'-6 1/2" |
| 70 | 12'-8" | -45'-8 1/2" | 47'-5" |
| 71 | 12'-9" | -32'-1 1/2" | 34'-7" |
| 72 | 12'-10" | -49'-8 1/2" | 51'-4" |
| 73 | 12'-11" | -7'-5 1/2" | 14'-11" |
| 74 | 14'-5 1/2" | -1'-5 1/2" | 14'-6 1/2" |
| 75 | 14'-9" | -32'-8 1/2" | 35'-10 1/2" |
| 76 | 14'-11" | -10'-11 1/2" | 18'-6 1/2" |
| 77 | 14'-11" | -4'-0 1/2" | 15'-5 1/2" |
| 78 | 15'-2 1/2" | -62'-5 1/2" | 64'-3 1/2" |
| 79 | 15'-5 1/2" | -52'-2 1/2" | 54'-5 1/2" |
| 80 | 15'-9" | -61'-4 1/2" | 63'-4 1/2" |
| 81 | 16'-0 1/2" | -43'-7 1/2" | 46'-6" |
| 82 | 16'-1" | -30'-8 1/2" | 34'-8" |
| 83 | 16'-2 1/2" | -47'-7 1/2" | 50'-4" |
| 84 | 16'-3" | -34'-8 1/2" | 38'-4" |
| 85 | 16'-5 1/2" | -60'-0 1/2" | 62'-3" |
| 86 | 16'-11" | -7'-5 1/2" | 18'-6" |
| 87 | 16'-11 1/2" | -6 1/2" | 16'-11 1/2" |
| 88 | 17'-0 1/2" | -58'-10 1/2" | 61'-3 1/2" |
| 89 | 17'-1" | -52'-8 1/2" | 55'-5" |
| 90 | 17'-4" | -51'-0 1/2" | 53'-11" |
| 91 | 18'-3 1/2" | -53'-3 1/2" | 56'-4" |
| 92 | 18'-6" | -50'-9 1/2" | 54'-0 1/2" |
| 93 | 18'-11" | -10'-11 1/2" | 21'-10 1/2" |
| 94 | 18'-11" | -4'-0 1/2" | 19'-4 1/2" |
| 95 | 19'-4 1/2" | -52'-2 1/2" | 55'-8 1/2" |
| 96 | 19'-5 1/2" | -28'-6 1/2" | 34'-6 1/2" |
| 97 | 19'-7 1/2" | -32'-6 1/2" | 38' |
| 98 | 19'-9 1/2" | -36'-6 1/2" | 41'-6 1/2" |
| 99 | 19'-10 1/2" | -46'-6 1/2" | 50'-7 1/2" |
| 100 | 20'-11" | -7'-5 1/2" | 22'-2 1/2" |
| 101 | 23' | -30'-4 1/2" | 38'-1" |
| 102 | 23'-2" | -34'-4 1/2" | 41'-5 1/2" |
| 103 | 23'-4" | -67'-2 1/2" | 71'-1 1/2" |
| 104 | 23'-8" | -45'-3 1/2" | 51'-1" |
| 105 | 24'-2 1/2" | 16'-8 1/2" | 29'-5" |
| 106 | 25'-7 1/2" | -66'-7 1/2" | 71'-4 1/2" |
| 107 | 25'-10 1/3" | -1/2" | 25'-10 1/2" |
| 108 | 27'-4 1/2" | 17'-7 1/2" | 32'-7" |
| 109 | 27'-10 1/2" | -3'-5 1/2" | 28'-1" |
| 110 | 30' | -64'-10 1/2" | 71'-6" |
| 111 | 30'-7 1/2" | 16'-7 1/2" | 34'-10 1/2" |
| 112 | 30'-8" | -57'-9 1/2" | 65'-5" |
| 113 | 30'-8" | -59'-3 1/2" | 66'-9" |
| 114 | 31' | -30'-0 1/2" | 43'-2" |
| 115 | 31'-2" | -34'-0 1/2" | 46'-2" |

IF FOOTING CONTAINS A COMPONENT NUMBER, REFERENCE THE INSTALLATION MANUAL FOR COMPONENT FOOTING SPECS.

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH | QTY. |
| A | 1'-6" [45.72cm] | 2'-6" [76.20cm] | 58 |
| B | 1'-2" [35.56cm] | 2'-6" [76.20cm] | 36 |
| D | 2'-0" [60.96cm] | 2'-6" [76.20cm] | 16 |
| H | (2'-0") [45.72cm] | 5'-0" [152.40cm] | 2 |

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Tiffanie Brown
Date:
11/6/25
Quote Number:
821-179178B

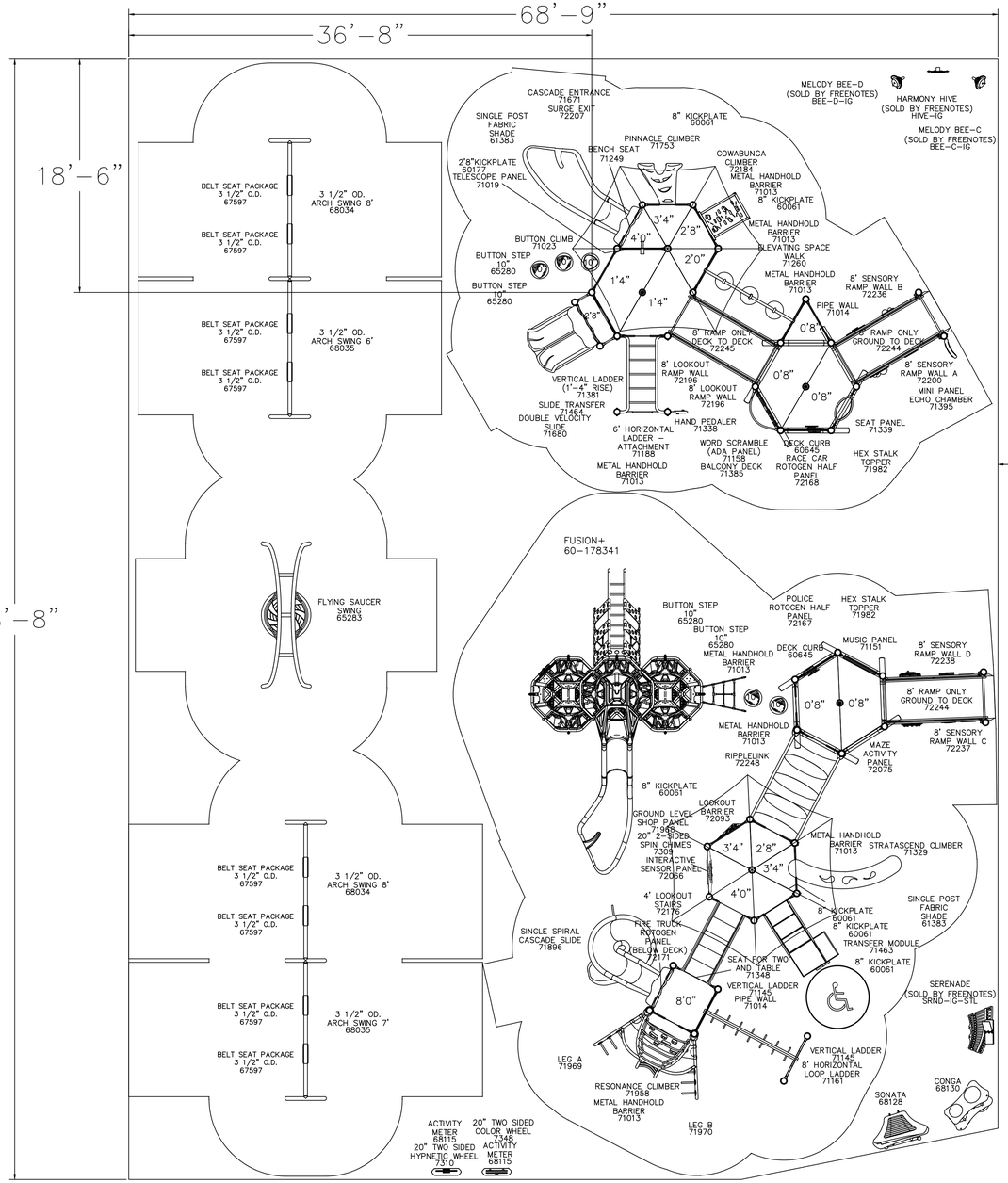
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A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS
FREENOTES HARMONY PARK™




TOTAL OVERALL AREA
6057 SQ FT
312 LINEAR FT
RED: 2993 SQ FT
BLUE: 3064 SQ FT

This equipment is designed for children **2-5** years old

| | | | |
|---|---|---|---|
| Total Play Components | 25 | | |
| Elevated Play Components | 11 | | |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 |
| Elevated Components Accessible by Transfer | 11 | Req. | 6 |
| Accessible Ground Level Components Shown | 14 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
100-110
Critical Fall Height
7'-0"

This equipment is designed for children **5-12** years old

| | | | |
|---|---|---|---|
| Total Play Components | 26 | | |
| Elevated Play Components | 10 | | |
| Elevated Play Components Accessible by Ramp | 5 | Req. | 0 |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 |
| Accessible Ground Level Components Shown | 16 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
90-100
Critical Fall Height
9'-0"

0 5 10 20

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Cape Elementary School
600 Temple Ave
Camarillo CA 93010

Play and Park Structures

This play equipment is recommended for children ages:
2-5 and 5-12

Minimum Area Required:
68'-9" x 88'-8"

Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
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Date:
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Quote Number:
821-179178B

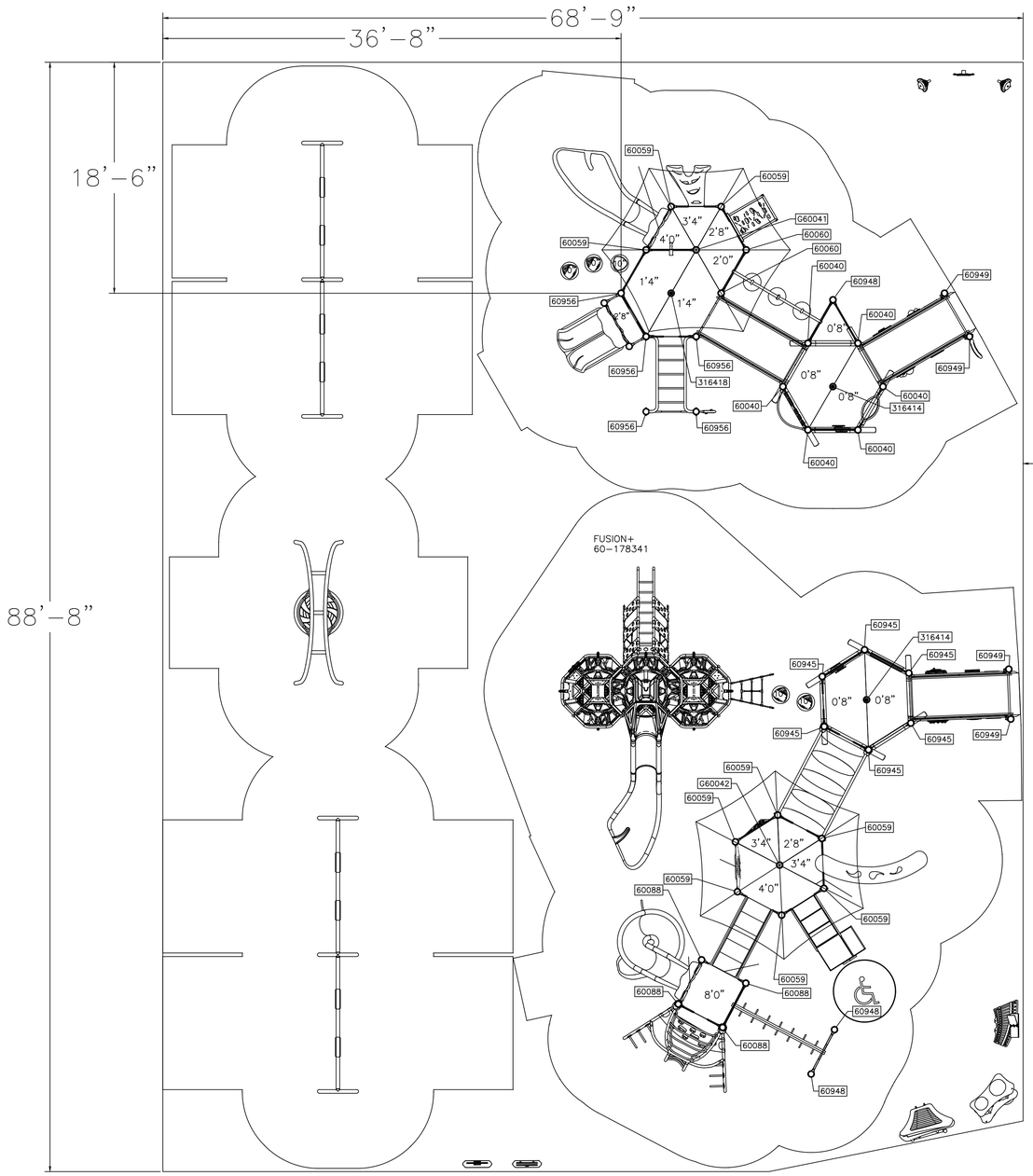
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

User Capacity
215-230
Critical Fall Height
9'-0"

ISO 9001 CERTIFIED

# Order 6462600 & 6462601

SUPERmax PLAY SYSTEMS
FREE NOTES HARMONY PARK™




TOTAL OVERALL AREA
6057 SQ FT
312 LINEAR FT
RED: 2993 SQ FT
BLUE: 3064 SQ FT

This equipment is designed for children **2-5** years old

| | | | |
|---|---|---|---|
| Total Play Components | 25 | | |
| Elevated Play Components | 11 | | |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 |
| Elevated Components Accessible by Transfer | 11 | Req. | 6 |
| Accessible Ground Level Components Shown | 14 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
100-110
Critical Fall Height
7'-0"

| | | | |
|---|---|---|---|
| Total Play Components | 26 | | |
| Elevated Play Components | 10 | | |
| Elevated Play Components Accessible by Ramp | 5 | Req. | 0 |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 |
| Accessible Ground Level Components Shown | 16 | Req. | 8 |
| Different Types of Ground Level Components | 5 | Req. | 5 |

User Capacity
90-100
Critical Fall Height
9'-0"

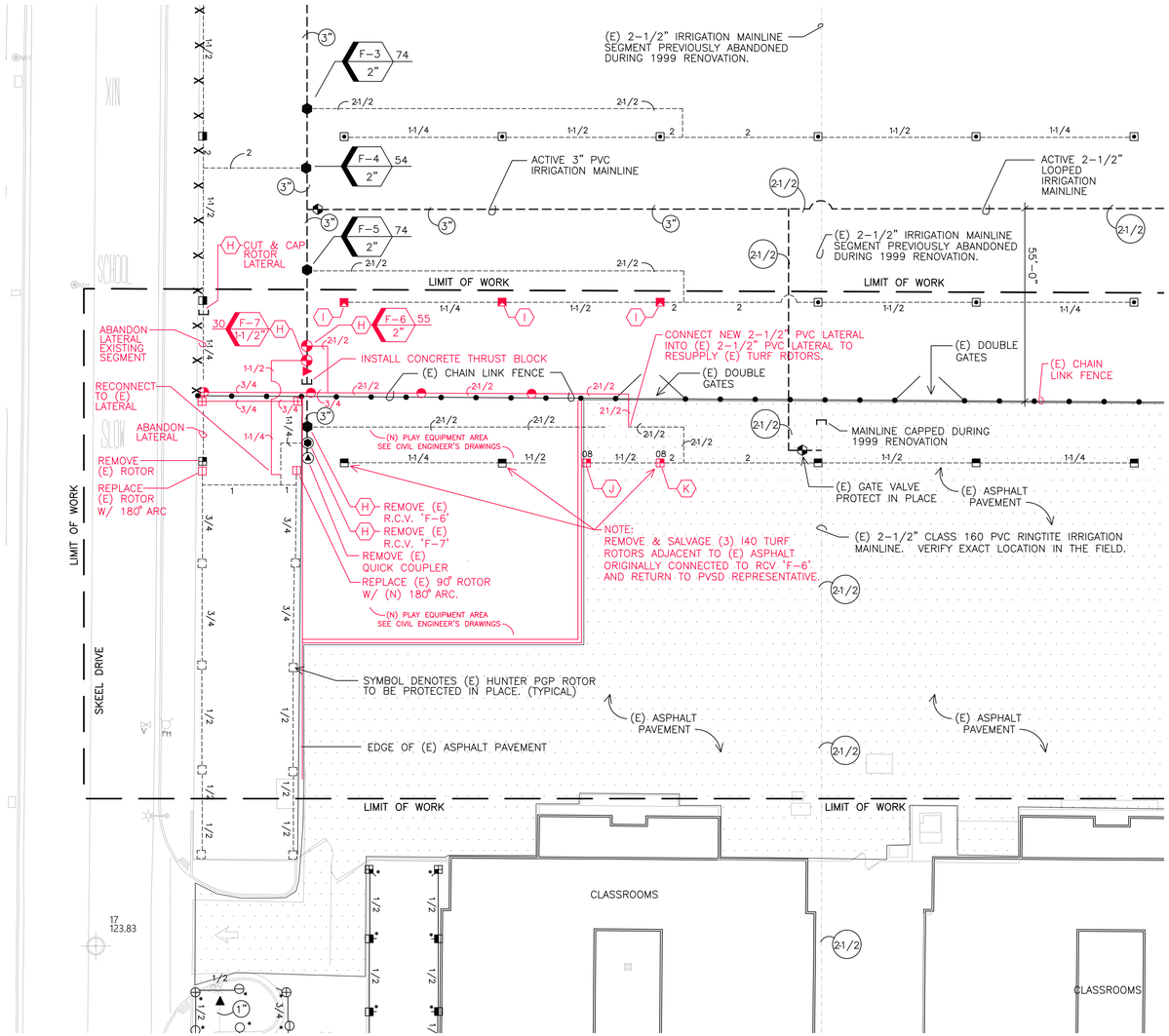
This equipment is designed for children **5-12** years old

UPRIGHT INFORMATION

| UPRIGHT | DESCRIPTION |
|---|---|
| 316414 | 37.625" ALUM FLAT CAP UPRIGHT |
| 316418 | 45.625" ALUM FLAT CAP UPRIGHT |
| 60040 | 11" GENERIC UPRIGHT wo/CAP |
| 60059 | 10" GENERIC UPRIGHT w/CAP |
| 60060 | 12" GENERIC UPRIGHT w/CAP |
| 60088 | 14" GENERIC UPRIGHT w/CAP |
| 60945 | 9" GENERIC UPRIGHT wo/CAP |
| 60948 | 11" GENERIC UPRIGHT w/CAP |
| 60949 | 7" GENERIC UPRIGHT w/CAP |
| 60956 | 9" GENERIC UPRIGHT w/CAP |
| G60041 | 13" GENERIC UPRIGHT wo/CAP |
| G60042 | 14" GENERIC UPRIGHT wo/CAP |

0 5 10 20

Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.




NOTES:

1. FOR CLARITY PURPOSES, ALL NEW IRRIGATION REPAIR WORK IS IDENTIFIED WITH RED COLORED TEXT, RED COLORED SYMBOLS, OR ENCLOSED IN A RED COLORED BORDER.

2. SEE SHEET L2 FOR IRRIGATION LEGEND AND PROJECT NOTES.

GRAPHIC SCALE

0 10 20 30 40

SCALE: 1"=20'

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LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874

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REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|---|---|---|---|

REGISTERED LANDSCAPE ARCHITECT
JOHN JAMES BAIN III 2979
04-28
RENEWAL DATE
10-23-26
DATE
STATE OF CALIFORNIA

Pleasant Valley School District PVSD

CLIENT
PLEASANT VALLEY
SCHOOL DISTRICT
600 Temple Avenue
Camarillo, CA. 93010

SHEET TITLE
IRRIGATION PLAN

PROJECT
Valle Lindo Elementary School
NEW PLAYGROUND PROJECT
777 Aileen Street
Camarillo, CA. 93010

| | |
|---|---|
| DRAWN: | J. BAIN |
| CHECKED: | J. BAIN |
| PRINTED FOR: | |
| PVSD REVIEW: | 10-23-26 |
| BID: | |
| CONSTRUCTION: | |

DRAWING
L1

SHEET 1 OF 3
PROJECT No. 25.29

## IRRIGATION KEY NOTES

| SYMBOL | DESCRIPTION |
|---|---|

(H) POC 'H':
FIELD VERIFY THE EXACT LOCATIONS OF (E) 2" RCV 'F-6', (E) 1" RCV 'F-7', AND ONE (1) 1" QUICK COUPLING VALVE. THESE VALVES ARE LOCATED WITHIN THE LIMITS OF THE NEW ASPHALT PAVING AND SHALL BE REMOVED. EXCAVATE ON NORTH SIDE OF CHAIN LINK FENCE TO LOCATE (E) 3" CLASS 315 PVC MAINLINE. EXCAVATE AREAS IN TURF AND INSTALL (1) NEW 2" RCV 'F-6', (1) NEW 1½" RCV 'F-7', AND (1) NEW 1" QUICK COUPLER. CAP OFF SEVERED END OF 3" CLASS 315 PVC MAINLINE WITH A 3" SCH. 80 PVC CAP AND SECURE WITH A CONCRETE THRUST BLOCK. TONE (E) 14-GAUGE DIRECT BURY WIRES AND IDENTIFY PILOT WIRE FOR 'F-6' AND 'F-7' AS WELL AS COMMON WIRE. CUT WIRES AND RECONNECT TO NEW RCV'S USING 3M MODEL DBR-Y6 WATERPROOF WIRE SPLICE CONNECTORS. TRENCH AND INSTALL NEW PVC LATERALS AND HEADS AS PER PLAN. REMOVE AND DISPOSE OF THE ORIGINAL RCV VALVE 'F-6', 'F-7', AND 1" QUICK COUPLER WITH VALVE BOXES. BACKFILL COMPLETE VALVE REMOVAL AREA UNDER NEW PAVEMENT AND COMPACT IN THE PRESENCE OF GEOTECHNICAL REPRESENTATIVE IN ACCORDANCE WITH SECTION 4.1.5 "FILL PLACEMENT AND COMPACTION" OF GEOTECHNICAL REPORT. USE SITE SOIL TO COMPACT AREA OVER AND AROUND IRRIGATION REPAIR WORK.

(I) POC 'I':
FIELD VERIFY THE EXACT LOCATION OF EXISTING REMOTE CONTROL VALVE 'F-5'. OPEN THE EXISTING VALVE TO OPERATE THE (6) EXISTING 360 DEGREE HUNTER I-40 SPRINKLER HEADS. FLAG LOCATIONS OF THE (3) HEADS IDENTIFIED ON THE PLAN IN RED. EXCAVATE AROUND SPRINKLER HEAD AND REMOVE THEM FROM THE EXISTING SWING JOINT. RETURN THE SALVAGED 360 DEGREE ROTOR HEADS TO THE PVSD REPRESENTATIVE. REPLACE THESE ROTORS WITH (3) NEW I-40-04-SS ROTOR BODIES WITH #13 (LIGHT BLUE COLORED) NOZZLE. ADJUST ARC PATTERN TO AN APPROXIMATE 240 DEGREE ARC PATTERN TO PREVENT OVER SPRAY ONTO NEW PLAY EQUIPMENT AND EXISTING CHAIN LINK FENCE.

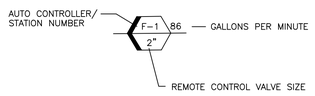
(J) POC 'J':
CUT EXISTING 1-1/2" PVC LATERAL AT EDGE OF NEW PLAY EQUIPMENT LIMITS. INSTALL A NEW 90 DEGREE I-40 POP UP TURF ROTOR WITH A #8 NOZZLE. ADJUST ARC PATTERN TO PREVENT ANY WATER FROM CONTACTING NEW PLAY EQUIPMENT OR RUBBER SAFETY SURFACING.

(K) POC 'K':
REMOVE (E) I40 POP OF TURF ROTOR WITH 180 DEGREE ARC PATTERN FROM (E) SWING JOINT AND RETURN TO PVSD REPRESENTATIVE. INSTALL A NEW 90 DEGREE I-40 POP UP TURF ROTOR WITH A #8 NOZZLE ONTO EXISTING 1" SWING JOINT ASSEMBLY. ADJUST ARC PATTERN TO PREVENT ANY WATER FROM CONTACTING NEW PLAY EQUIPMENT OR RUBBER SAFETY SURFACING.

## IRRIGATION LEGEND

| SYMBOL | DESCRIPTION | MANUFACTURER | MODEL | DESCRIPTION | PSI | RAD | GPM F | GPM TQ | GPM H | GPM T | GPM Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING MAINLINE | UNKNOWN | CLASS 160 PVC – GASKETED | INSTALLED PRE–1999 – PROTECT IN PLACE | | | | | | | |
| | EXISTING MAINLINE | UNKNOWN | SCH. 40 PVC / CL. 200 | INSTALLED 1999 RENOVATION – 2–1/2" OR LESS SCH. 40 PVC / CL. 200 – 3" GASKETED | | | | | | | |
| | EXISTING SLEEVING | UNKNOWN | CLASS 200 | INSTALLED 1999 RENOVATION – SOLVENT WELD – PROTECT IN PLACE | | | | | | | |
| | (E) P.V.S.D. PVC LATERAL | UNKNOWN | CLASS 200 / SCH. 40 | INSTALLED 1999 RENOVATION – SOLVENT WELD – 12" BELOW GRADE | | | | | | | |
| | (E) P.V.R.P.D. PVC LATERAL | UNKNOWN | CLASS 200 / SCH. 40 | ILLUSTRATION REPRESENT APPROXIMATE LOCATIONS BASED ON 1999 STAFF REVIEW | | | | | | | |
| | MAINLINE (3"& LARGER) | PACIFIC PLASTIC / EQ. | CLASS 315 PVC | INSTALL 24" BELOW GRADE OR MATCH (E) MAINLINE WHEN CONNECTING – SOLVENT WELD | | | | | | | |
| | MAINLINE(2-1/2"& SMALLER) | PACIFIC PLASTIC / EQ. | SCH 40 PVC | INSTALL 24" BELOW GRADE OR MATCH (E) MAINLINE WHEN CONNECTING – SOLVENT WELD | | | | | | | |
| | LATERAL | PACIFIC PLASTIC / EQ. | SCH. 40 PVC | INSTALL 24" BELOW GRADE OR MATCH (E) MAINLINE WHEN CONNECTING – SOLVENT WELD | | | | | | | |
| M | EXISTING WATER METER | UNKNOWN | 2" SIZE | POTABLE WATER SUPPLY – FOR IRRIGATION ONLY – LOCATED WEST SIDE OF CAMPUS | | | | | | | |
| F | EXISTING AUTO CONTROLLER | RAINMASTER | DX42–PS–03–PH | STAINLESS STEEL PEDESTAL – WITH PHONE COMMUNICATION – PROTECT IN PLACE | | | | | | | |
| | BACKFLOW DEVICE | FEBCO | 825–YD–3" | 3" BRASS REDUCED PRES. BACKFLOW – PROTECT IN PLACE – LOCATED WEST SIDE OF CAMPUS | | | | | | | |
| | MASTER VALVE | SUPERIOR | 3100 SERIES – 3" | NORMALLY OPEN – BRASS BODY – 200 PSI RATING – IN A VALVE BOX | | | | | | | |
| | FLOW METER | RAINMASTER | EVFM–P200 (2") | 2" SCH. 40 PVC FLOW SENSOR – PROTECT IN PLACE | | | | | | | |
| | (E) QUICK COUPLER | BUCKNER | QB44RC–10 | 1" SIZE, BRASS BODY, RUBBER COVER, INSTALLED IN 10" ROUND PLASTIC VALVE BOX | | | | | | | |
| | QUICK COUPLER | BUCKNER | QB44RC–10 | 1" SIZE, BRASS BODY, RUBBER COVER, INSTALLED IN 10" ROUND PLASTIC VALVE BOX | | | | | | | |
| | (E) REMOTE CONTROL VALVE | SUPERIOR | 950 SERIES | BRASS VALVE – 200 PSI RATING – IN VALVE BOX | | | | | | | |
| | (E) REMOTE CONTROL VALVE | SUPERIOR | 950–DWPRS | PRESSURE REGULATING BRASS VALVE – 200 PSI RATING – IN VALVE BOX | | | | | | | |
| | (E) BRONZE GATE VALVE | NIBCO | T–113 – LINE SIZE | BRONZE BODY – THREADED – LINE SIZE – IN A VALVE BOX | | | | | | | |
| | (N) DUCTILE IRON GATE VALVE | NIBCO | F–619–RWS SERIES | DUCTILE IRON EPOXY COATED BODY, FLANGED, W/ OPERATING NUT – IN RECT. VALVE BOX | | | | | | | |
| | (N) REMOTE CONTROL VALVE | WEATHERMATIC | 11000FCR SERIES | PLASTIC BODY – SIZES NOTED – IN A RECTANGULAR VALVE BOX | | | | | | | |
| C | CAPPED MAINLINE IN BOX | PACIFIC PLASTIC / EQ. | 2" SCH. 40 PVC | 2" CAPPED MAINLINE SEGMENT WITH 14–GAUGE WIRES IN A VALVE BOX – KEY NOTE 'H' | | | | | | | |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–04–SS–08 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 46 | | | | | 9.2 |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–04–SS–10 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 50 | | | | 11.3 | |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–04–SS–13 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 51 | | | 12.3 | | |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–36S–42 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 55 | 12.3 | | | | |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–ADS–42 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 55 | | 12.3 | | | |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–ADS–42 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 55 | | | 12.3 | | |
| | (E) POP UP TURF ROTOR | HUNTER | I–40–ADS–40 | GEAR DRIVEN, STAINLESS RISER, CHECK VALVE | 60 | 48 | | | | | 8.5 |
| | (E) POP UP TURF ROTOR | HUNTER | PGP–36V–07 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 35 | 3.4 | | | | |
| | (E) POP UP TURF ROTOR | HUNTER | PGP–ADV–LA–06,–04 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 33 | | | 2.8 | | 1.8 |
| | (E) POP UP TURF ROTOR | HUNTER | PGP–ADV–LA–06 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 33 | | | | | 2.8 |
| | (E) POP UP TURF ROTOR | HUNTER | PGM–04–AV–2.0 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 24 | 2.3 | | | | |
| | (E) POP UP TURF ROTOR | HUNTER | PGM–04–AV–2.0, & 1.0 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 21 | | | 2.3 | | 1.1 |
| | (E) POP UP TURF ROTOR | HUNTER | PGM–04–AV–1.5, & .75 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 24 | | | 1.7 | | .85 |
| | (E) POP UP TURF ROTOR | HUNTER | PGM–04–AV–2.0, & 1.5 | GEAR DRIVEN, PLASTIC RISER, CHECK VALVE | 50 | 27 | | | 2.3 | | 1.7 |
| | (E) POP UP TURF SPRAY | RAIN BIRD | 1804SAM–15'–U–F,H,T,Q | 4" PLASTIC POP UP w/CHECK VALVE | 30 | 15 | 3.7 | | 1.85 | 1.23 | .93 |
| | (E) POP UP TURF SPRAY | RAIN BIRD | 1804SAM–12'–U–F,H,T,Q | 4" PLASTIC POP UP w/CHECK VALVE | 30 | 12 | 2.6 | | 1.30 | .87 | .65 |
| | (E) POP UP TURF SPRAY | RAIN BIRD | 1804SAM–10'–F,H,T,Q | 4" PLASTIC POP UP w/CHECK VALVE | 30 | 10 | 1.57 | | .79 | .52 | .39 |
| | (E) POP UP SHRUB SPRAY | RAIN BIRD | 1806SAM–10'–F,H,T,Q | 6" PLASTIC POP UP w/CHECK VALVE | 30 | 10 | 1.57 | | .79 | .52 | .39 |
| | (E) POP UP SHRUB SPRAY | RAIN BIRD | 1806SAM–8'–F,H,T,Q | 6" PLASTIC POP UP w/CHECK VALVE | 30 | 8 | 1.05 | | .52 | .35 | .26 |
| | (N) POP UP TURF ROTOR | HUNTER | I–40–04–SS–08 | GEAR DRIVEN, 4" STAINLESS RISER, CHECK VALVE | 60 | 46 | | | | | 9.2 |
| | (N) POP UP TURF ROTOR | HUNTER | I–40–04–SS–13 | GEAR DRIVEN, 4" STAINLESS RISER, CHECK VALVE | 60 | 52 | 12.3 | | | | |
| | (N) POP UP TURF ROTOR | HUNTER | I–20–06–SS–PRB–MPR25,Q,T,H,F | 6" STAINLESS RISER, PRES. REGULATING, CHECK VALVE | 45 | 25 | 3.82 | | 1.98 | 1.38 | 1.00 |
| | (N) POP UP TURF ROTOR | HUNTER | I–20–06–SS–PRB–MPR30,Q,T,H,F | 6" STAINLESS RISER, PRES. REGULATING, CHECK VALVE | 45 | 30 | 5.78 | | 2.96 | 1.85 | 1.40 |
| | (N) POP UP TURF ROTOR | HUNTER | I–20–06–SS–PRB–MPR35,Q,T,H,F | 6" STAINLESS RISER, PRES. REGULATING, CHECK VALVE | 45 | 35 | 7.58 | | 3.81 | 2.46 | 1.92 |
| | (N) POP UP TURF ROTOR | HUNTER | PGP–04–PRB–CV–4LA | 4" PLASTIC RISER, PRES. REGULATING, CHECK VALVE | 45 | 26 | | | | | 1.80 |
| | (N) POP UP TURF ROTOR | HUNTER | PGP–04–PRB–CV–6LA | 4" PLASTIC RISER, PRES. REGULATING, CHECK VALVE | 45 | 33 | | | | | 2.80 |

### REMOTE CONTROL VALVE KEY




### IRRIGATION CALCULATIONS

CALCULATIONS - VALVE F-17 - 86 GPM

| | |
|---|---|
| AVAILABLE WATER PRES. | 110.0 PSI |
| LOSS @ METER | 6.2 PSI |
| LOSS METER TO BF | 3.8 PSI |
| LOSS @ MASTER VALVE/FLOW METER | 3.5 PSI |
| LOSS @ BF | 12.0 PSI |
| LOSS BF TO RCV | 5.9 PSI |
| LOSS @ RCV | 2.6 PSI |
| LOSS RCV TO LAST HEAD | 2.7 PSI |
| LOSS - ELEVATION CHANGE | 2.0 PSI |
| TOTAL FRICTION LOSS | 38.7 PSI |
| OPERATING PSI | 71.3 PSI |

## IRRIGATION PROJECT NOTES

1. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR AND THE PLEASANT VALLEY SCHOOL DISTRICT (P.V.S.D.) REPRESENTATIVE SHALL PARTICIPATE IN A THOROUGH IRRIGATION SYSTEM REVIEW OF THE PROJECT SITE. ALL REMOTE CONTROL VALVES SHALL BE TURNED ON AND OBSERVED IN OPERATION BY BOTH THE CONTRACTOR AND P.V.S.D. REPRESENTATIVE. ANY EXISTING DEFECTS WILL BE LISTED IN DETAIL IDENTIFYING THE SPECIFIC VALVE STATION NUMBER AND DESCRIBING THE EXACT BROKEN OR NON FUNCTIONING IRRIGATION COMPONENT NOTED DURING THE SITE REVIEW. AT THE CONCLUSION OF THE IRRIGATION REVIEW, THE CONTRACTOR SHALL GENERATE A SUMMARY OF THE ITEMS IDENTIFIED BY BOTH PARTIES LISTING ALL REMOTE CONTROL VALVES OPERATED, IDENTIFYING IF THE VALVE PERFORMED WITHOUT ANY DEFECTS OR SPECIFICALLY IDENTIFYING ANY OBSERVED DEFECTS OR NON FUNCTIONING COMPONENTS, SUCH AS BROKEN HEADS, CLOGGED NOZZLES, NON OPERATING VALVE SOLENOID, BROKEN PIPING, OR OTHER NOTED DEFECT. THE COMPLETED SUMMARY OF ITEMS NOTED SHALL BE LISTED ON A DOCUMENT CALLED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS'. THIS DOCUMENT SHALL BE SIGNED BY THE CONTRACTOR AND SUBMITTED TO THE P.V.S.D. REPRESENTATIVE FOR A CONFIRMING SIGNATURE. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS DOCUMENT' SHALL BE SENT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR INSPECTION PURPOSES AT THE CONCLUSION OF THE CONSTRUCTION WORK. IF REQUESTED BY THE P.V.S.D. REPRESENTATIVE, THE CONTRACTOR SHALL PROVIDE A LIST OF THE EXISTING DEFECTIVE IRRIGATION COMPONENTS NOTED WITH A DETAILED WRITTEN PROPOSAL TO REPAIR EACH ITEM IDENTIFIED ON THE LIST. A COPY OF THIS PROPOSAL WILL BE SENT TO THE LANDSCAPE ARCHITECT. THIS ADDITIONAL WORK PROPOSAL MUST BE REVIEWED AND APPROVED IN WRITING BY THE P.V.S.D. STAFF AND FORMALLY PRESENTED TO THE GENERAL CONTRACTOR BEFORE THE LANDSCAPE SUB–CONTRACTOR CAN BEGIN ANY ADDITIONAL REPAIR WORK. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATION DOCUMENT' SHALL BE USED AS A GUIDE TO IDENTIFY ANY COLLATERAL DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM AS A RESULT OF NEW CONSTRUCTION PERFORMED ON SITE BY THE CONTRACTORS. ANY DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM NOT SPECIFICALLY IDENTIFIED ON THE 'EXISTING IRRIGATION SYSTEM OBSERVATION DOCUMENT' SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THAT THE CONTRACTOR DOES NOT PARTICIPATE OR PERFORM THE EXISTING IRRIGATION SITE REVIEW, ANY EXISTING IRRIGATION EQUIPMENT OR COMPONENTS DAMAGED ON THE PROJECT SITE NOTED BY THE LANDSCAPE ARCHITECT DURING THE FINAL IRRIGATION SYSTEM REVIEW SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE AND TO THE SATISFACTION OF THE P.V.S.D. REPRESENTATIVE.
2. FIELD VERIFY EXISTING STATIC WATER PRESSURE AND NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY WORK.
3. CONTACT DIG ALERT AT 1–800–227–2600 TO IDENTIFY AND LOCATE ALL ON–SITE UTILITIES PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL COORDINATE WITH THE PLEASANT VALLEY SCHOOL DISTRICT (P.V.S.D.) REPRESENTATIVE AND REVIEW THE EXISTING SITE PRIOR TO BEGINNING WORK TO AVOID CONFLICTS WITH FUTURE CONSTRUCTION PROJECTS SCHEDULED ON SITE.
4. PROTECT IN PLACE AND KEEP IN WORKING CONDITION ALL EXISTING IRRIGATION SYSTEMS NOT A PART OF THIS WORK. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING MAINLINE SEGMENT, LATERAL, IRRIGATION CONTROL WIRE, HYDRAULIC TUBING, REMOTE CONTROL VALVE, VALVE BOX, QUICK COUPLER, OR ANY OTHER IRRIGATION SYSTEM COMPONENT DAMAGED DURING THE RENOVATION PROCESS. ADJACENT FUNCTIONING IRRIGATION SYSTEM COMPONENTS MUST BE KEPT IN WORKING CONDITION TO MAINTAIN THE HEALTH AND VIGOR OF THE EXISTING TURF AND LANDSCAPE PLANTINGS. PROLONGED LACK OF WATER TO THESE PLANTERS AS A RESULT OF NEW CONSTRUCTION WORK THAT RESULTS IN THE LOSS OF TURF OR PLANTS SHALL BE REPLACED BY THE CONTRACTOR AT THEIR COST AND TO THE SATISFACTION OF THE P.V.S.D.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCH SETTLING OR IRRIGATION HEAD SETTLING INCLUDING REPAIRING EXISTING TURF AREAS DAMAGED DUE TO NEW CONSTRUCTION. ALL TRENCHES WILL BE BACK FILLED WITH CLEAN SOIL, COMPACTED AND PLANTED WITH STOVER SEEDS 'PRO–SPORTSFIELD ELITE' AT 10 LBS PER 1,000 SQ. FT. RATE AND COVERED WITH A MULCH TOPPER TO PROTECT SEEDS FROM DRYING OUT AND BIRDS. ALL HEADS THAT SETTLE WILL BE RAISED TO 1/2" ABOVE FINISH GRADE OR AS DIRECTED BY EITHER THE LANDSCAPE ARCHITECT OR P.V.S.D. REPRESENTATIVE. PROVIDE ADDITIONAL SOIL AS NECESSARY AND HAND TAMP AROUND HEAD TO PREVENT FUTURE SETTLING.
6. SLEEVE ALL PVC IRRIGATION PIPES AND WIRES INSTALLED UNDER PAVING. WIRES SHALL BE ENCLOSED IN SCH. 40 PVC ELECTRICAL CONDUIT SIZED BY THE CONTRACTOR, NO LESS THAN 2" IN SIZE. MAINLINE SLEEVES SHALL BE SIZED AS PER LEGEND ON PLAN. SEE SPECIFICATIONS AND IRRIGATION SLEEVING SCHEDULE FOR ADDITIONAL INFORMATION.
7. THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN LANDSCAPE PLANTERS WHENEVER POSSIBLE.
8. ALL SPRINKLER HEADS SPECIFIED ON THIS PROJECT ARE EQUIPPED WITH FACTORY INSTALLED CHECK VALVES IN THE SPRINKLER BODY. IN THE EVENT THAT LOW HEAD DRAINAGE STILL OCCURS, THE CONTRACTOR SHALL INSTALL INLINE SWING CHECK OR SPRING LOADED CHECK VALVES ON THE PVC LATERALS TO PREVENT LOW HEAD DRAINAGE. ANY INLINE CHECK VALVE INSTALLED ON PVC LATERALS MUST BE FURNISHED WITH A 10" ROUND PLASTIC VALVE BOX WITH A LOCKING GREEN PLASTIC LID.
9. ALL VALVE BOXES INSTALLED IN CONCRETE OR ASPHALT PAVING SHALL BE TRAFFIC RATED CONCRETE BOXES (13–1/4"W X 24–1/4"L X 12"D) WITH CONCRETE LIDS. BOXES SHALL BE MANUFACTURED BY OLDCASTLE PRE–CAST, BOX MODEL N30BOX, LID MODEL B30D, CONCRETE BOX EXTENSION MODEL B30X12, OR CHRISTY CONCRETE BOX EQUIVALENT. ALL RECTANGULAR PLASTIC VALVE BOXES SHALL HAVE THE MINIMUM DIMENSIONS OF (14–1/2"W X 19–1/2"L X 12–1/4"H) AND SHALL HAVE GREEN LOCKING PLASTIC LIDS. THE CONTRACTOR SHALL INCLUDE WITH THE COST OF THE PROJECT ANY PLASTIC VALVE BOX EXTENSION THAT MIGHT BE REQUIRED TO COMPLETE THE VALVE INSTALLATION AS PART OF THE BASE BID. PLASTIC BOX MANUFACTURER'S AND MODEL NUMBERS SHALL BE CARSON MODEL 1419–12 WITH 1419–4B "T–STYLE GREEN LID", APPLIED ENGINEERING PRODUCTS MODEL 1015T–1G2G, OR NDS MANUFACTURING APPROVED EQUAL.
10. USE ONLY SCH. 80 PVC NIPPLES WHEN INSTALLING VALVES REQUIRING THREADED FITTINGS. SCH. 40 PVC MALE ADAPTERS SHALL NOT BE USED ON ANY VALVE ASSEMBLY CONNECTED TO A PRESSURIZED MAINLINE.
11. MAKE ALL REQUIRED ADJUSTMENTS TO BOTH EXISTING AND NEW SPRINKLER HEADS TO PREVENT ANY IRRIGATION WATER FROM OVER SPRAYING ON TO ADJACENT PAVEMENT OR CLASSROOM BUILDINGS. MAKE ANY NOZZLE REPLACEMENTS AS REQUESTED BY EITHER THE LANDSCAPE ARCHITECT OR P.V.S.D. REPRESENTATIVE TO IMPROVE IRRIGATION COVERAGE OR TO BALANCE PRECIPITATION RATE TO LANDSCAPE PLANTER AS PART OF BASE BID.
12. HEAT STAMP OR 'BRAND' INTO THE PLASTIC REMOTE CONTROL VALVE BOX LIDS THE NEW VALVE STATION NUMBER AND RELATED NEW AUTO CONTROLLER LETTER. PROVIDE CHRISTY STANDARD SIZE I.D. TAGS CONNECTED TO ALL NEW REMOTE CONTROL VALVE SOLENOIDS WITH STATION NUMBER AND RELATED EXISTING AUTO CONTROLLER IDENTIFICATION LETTER.
13. ALL WATER TIGHT CONNECTORS USED TO SPLICE 14–GAUGE WIRES TO REMOTE CONTROL VALVE SOLENOIDS OR TO REPAIR BROKEN EXISTING REMOTE CONTROL VALVE WIRES ON THIS PROJECT SHALL BE MANUFACTURED BY 3M COMPANY, MODEL DBR–Y6 SERIES, SPEARS MODEL DS–400 WITH SPEARS DS–300 SEALANT, OR P.V.S.D. APPROVED EQUAL.
14. INSTALL ALL IRRIGATION REMOTE CONTROL VALVES, BALL VALVES, AND QUICK COUPLING VALVES A MINIMUM DISTANCE OF 10'–0" FROM ALL TREE TRUNK LOCATIONS ILLUSTRATED ON PLANTING PLAN. CONFIRM LAYOUT OF EXISTING OR NEW TREE LOCATIONS PRIOR TO INSTALLING ANY VALVE.
15. EXISTING IMPROVEMENTS WITHIN THE WORK AREAS SHALL REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED. DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED IN KIND TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
16. UTILITIES MAY HAVE BEEN OMITTED ON THE IRRIGATION SHEETS. REVIEW ALL AVAILABLE P.V.S.D. 'AS–BUILT' RECORD DRAWINGS AND EXERCISE CARE IN EXCAVATION WHILE PROTECTING EXISTING UTILITIES IN PLACE.
17. PRESSURE REGULATING REMOTE CONTROL VALVES SHALL BE ADJUSTED BY CONTRACTOR USING MANUFACTURER'S SPECIFICATIONS TO OPERATE SPRINKLER HEADS AT PRESSURE INDICATED ON IRRIGATION LEGEND.

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(805) 642–3641 FAX (805) 653–7874
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REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|---|---|---|---|

REGISTERED LANDSCAPE ARCHITECT — JAMES BAIN III — 2539 — Signature — 04–28 RENEWAL DATE — 10–23–26 DATE — STATE OF CALIFORNIA

CLIENT
PLEASANT VALLEY
SCHOOL DISTRICT
600 Temple Avenue
Camarillo, CA. 93010

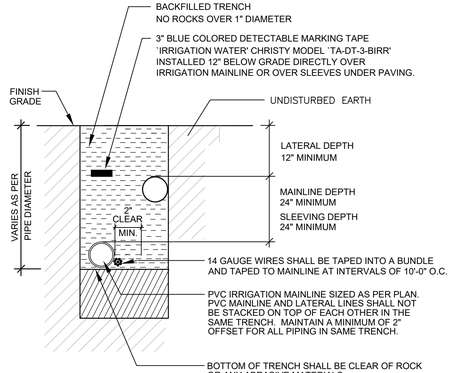
SHEET TITLE
IRRIGATION LEGEND
& NOTES

PROJECT
Valle Lindo Elementary School
NEW PLAYGROUND PROJECT
777 Aileen Street
Camarillo, CA. 93010

DRAWN:
CHECKED:
PRINTED FOR: PVSD REVIEW: 10–23–26
BID:
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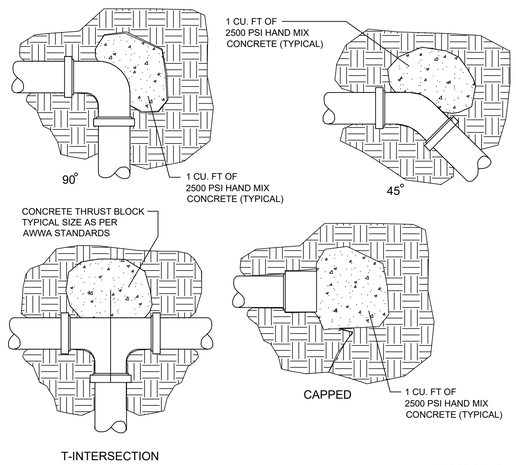
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L2

SHEET 2 OF 3
PROJECT No. 25.29



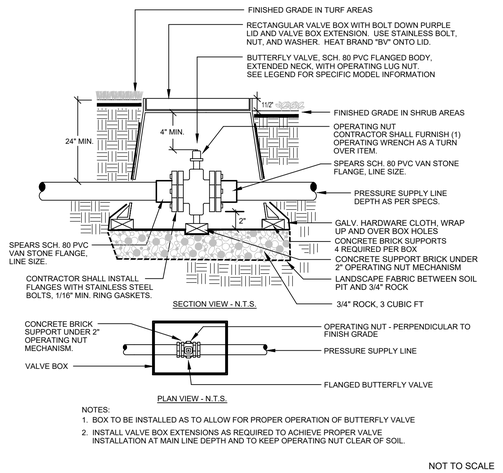

NOT TO SCALE

1 IRRIGATION PIPING TRENCH SECTION




NOT TO SCALE

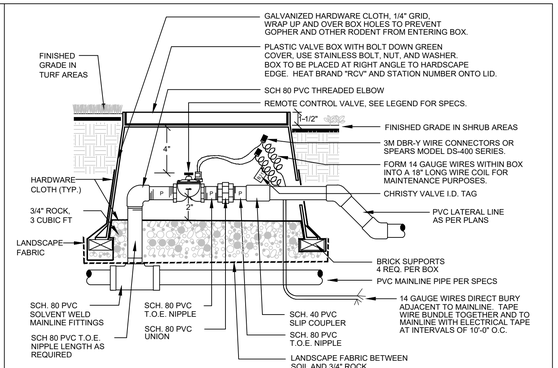
2 CONCRETE THRUST BLOCKS FOR IRRIGATION MAINLINE




NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BUTTERFLY VALVE
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH AND TO KEEP OPERATING NUT CLEAR OF SOIL.

NOT TO SCALE

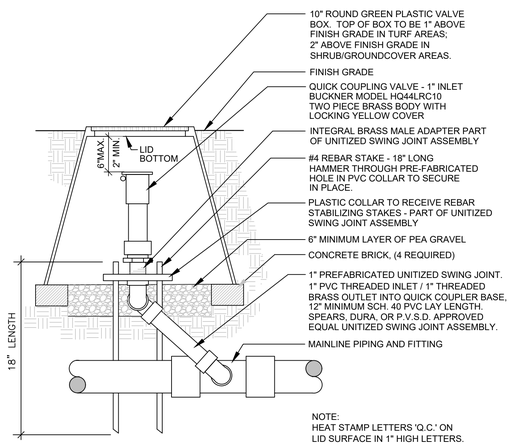
3 FLANGED GATE VALVE ON 3" MAINLINE SIZE OR LARGER




NOTES:
1. INSTALL CONTROL VALVES A MINIMUM OF 18" APART IN SHRUB AREAS UNLESS OTHERWISE NOTED.
2. EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
3. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.
4. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).
5. INSTALL LANDSCAPE FABRIC BETWEEN SOIL BASIN AND 3/4" ROCK.

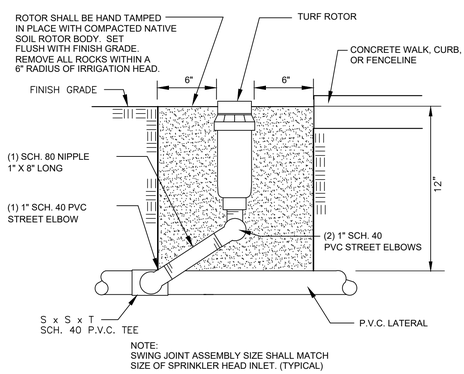
NOT TO SCALE

4 REMOTE CONTROL VALVE ASSEMBLY



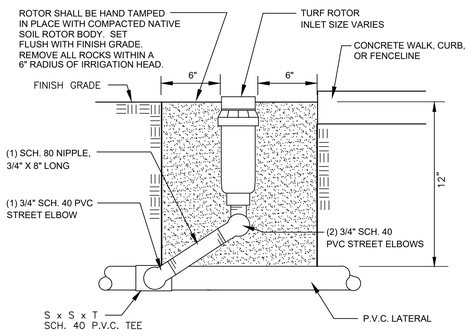

NOT TO SCALE

5 QUICK COUPLER




NOT TO SCALE

6 i-40 POP UP TURF ROTORS - 1" INLET




NOT TO SCALE

7 i-20 POP UP TURF ROTORS - 3/4" INLET

8 NOT USED

9 NOT USED

10 NOT USED

11 NOT USED

12 NOT USED

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| REVISIONS | | | |
|---|---|---|---|
| NO. | DATE | BY | DESCRIPTION |

REGISTERED LANDSCAPE ARCHITECT
JAMES R. BAIN
No. 2513
04-28
RENEWAL DATE
10-23-26
DATE
STATE OF CALIFORNIA

Pleasant Valley School District PSD

CLIENT
PLEASANT VALLEY
SCHOOL DISTRICT
600 Temple Avenue
Camarillo, CA. 93010

SHEET TITLE
IRRIGATION DETAILS

PROJECT
Valle Lindo Elementary School
NEW PLAYGROUND PROJECT
777 Aileen Street
Camarillo, CA. 93010

| | |
|---|---|
| DRAWN: | |
| CHECKED: | |
| PRINTED FOR: | |
| PVSD REVIEW: | 10-23-26 |
| BID: | |
| CONSTRUCTION: | |

DRAWING
L3
SHEET 5 OF 3
PROJECT No. 25.29

**SECTION 32 84 23**
**IRRIGATION SYSTEM**

PART 1 GENERAL

1.01 SECTION INCLUDES

This section includes requirements for the installation of the Irrigation System.

1.02 REQUIREMENTS OF REGULATORY AGENCIES

Secure all permits and licenses necessary for the work. Give all notices and comply with all laws, ordinances, rules and regulations concerning the installation of the sprinkler system as drawn and specified.

1.03 SITE CONDITIONS

A. Prior to beginning any work, the Contractor and the District Inspector shall participate in a thorough irrigation system review of the project site. All remote control valves shall be turned on and observed in operation by both the Contractor and PVSD Representative. Any existing defects will be listed in detail identifying the specific valve station number and describing the exact broken or non-functioning irrigation component noted during the site review. At the conclusion of the irrigation review, the Contractor shall generate a summary of the items identified by both parties listing all remote control valves operated, identifying if the valve performed without any defects or specifically identifying any observed defects or non-functioning components, such as broken heads, clogged nozzles, non-operating valve solenoids, broken piping, or other noted defects. The completed summary of items noted shall be listed on a document called 'Existing Irrigation System Observations'. This document shall be signed by the Contractor and submitted to the PVSD Representative for a confirming signature. The mutually signed 'Existing Irrigation System Observations' document shall be sent to the attention of the Landscape Architect for inspection purposes at the conclusion of the construction work. If requested by the PVSD Representative, the Contractor shall provide a list of the existing defective irrigation components noted with a detailed written proposal to repair each item identified on the list. A copy of this proposal will be sent to the Landscape Architect. This additional work proposal must be reviewed and approved in writing by the PVSD and formally presented to the General Contractor before the Landscape Subcontractor can begin any additional repair work. The mutually signed 'Existing Irrigation System Observation' document shall be used as a guide to identify any collateral damage caused to the existing irrigation system as a result of new construction performed on site by the Contractors. Any damage caused to the existing irrigation system not specifically identified on the 'Existing Irrigation System Observation' document shall be repaired or replaced at the Contractor's expense. In the event that the Contractor does not participate or perform the existing irrigation site review, any existing irrigation equipment or components damaged on the project site noted by the Landscape Architect during the final irrigation system review shall be repaired or replaced by the Contractor at their expense to the satisfaction of PVSD.

B. Do not willfully install the sprinkler system as indicated on the drawing when it is obvious in the field that unknown obstructions or grade differences exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the District Inspector.

C. Before excavating for sprinkler lines, locate all underground utility lines so that the proper precautions may be taken to avoid damage to such utilities. In the event of a conflict between underground lines, promptly notify the District who will arrange for the relocation of one or the other. Failure to follow this procedure places the responsibility upon the Contractor for making any and all repairs for damage of any kind at his own expense.

D. Provide necessary safeguards and exercise caution against injury or defacement of any existing site improvements. Contractor shall be responsible for any damage resulting from his operations and shall repair or replace such damage at his own expenses. No trucks or vehicles of any kind shall be allowed to pass over sidewalks, curbs, etc., unless adequate protection is provided.

E. Existing Trees
   1. Exercise all possible care and precautions to avoid injury to tree roots, trunks and branches. All excavating within drip line of trees shall be done very carefully and by hand pick and shovel if it appears that large roots are within trenching zones.
   2. Alter alignment of pipe to avoid large tree roots, 2-inch and larger in diameter.
   3. Wrap exposed and bridging tree roots with several layers of burlap and keep moist. Close all trenches within drip lines, within 24 hours.
   4. All severed roots 1-inch and larger shall be hand pruned with sharp tools and painted with acceptable horticultural seal.

1.04 MATERIAL LIST

Submit to the District for acceptance, five (5) copies of all materials and equipment, including Manufacturer's names and catalog numbers, to be furnished and installed under this contract within 10 days after the award of the contract.

1.05 RECORD DRAWINGS

A. Provide and record daily a complete record set of prints on bond which shall be corrected to show changes from the original drawings and specifications and the exact installed locations, sizes and kinds of equipment. Prints for this purpose may be obtained from the District. Keep this set of drawings on the site and use only as a record set.

B. Use these drawings as work progress sheets. Make neat and legible annotations thereon as the work proceeds, showing the work as actually installed. Keep these drawings available at all times for inspection and in a location designated by the District.

C. Before the date of the final inspection, transfer all information from the record prints to a clean set of prints procured from the District. Make work neat, in ink and subject to review and acceptance of the District. District will scan final drawings into a permanent electronic record document.

D. Dimension from two permanent points of reference such as building corners, sidewalks or road intersections, the location of:
   1. Connection to existing water lines.
   2. Connection to existing electrical power.
   3. Gate valves.
   4. Routing of sprinkler pressure lines and control wiring.
   5. Electric control valves.
   6. Quick coupling valves.
   7. Other related equipment as directed by District.

1.06 TESTS AND SITE OBSERVATIONS

A. All tests shall be made in the presence of the District; at least forty-eight (48) hours' notice shall be given for tests.

B. Record drawings must be current and shall be verified by the District at the time of all observations.

C. Site observations for all items pertaining to the work of this Section shall be performed by the District.

D. Specific site observations for valve assemblies, sprinkler coverage, control wires and splices and any other observations deemed necessary by the District shall be performed by the District.

E. An open trench main line check for pipe quality and depths shall be performed by the District.

F. Head Layout - using flag marker layout all new drip emitters, tree flood bubblers, spray heads and turf rotors in field prior to trenching. Review head layout with District and Landscape Architect and perform adjustments in field as directed prior to installing irrigation.

G. Center load pipe with small amount of backfill to prevent arching and whipping under pressure. Leave joints exposed for observation during pressure test. No water shall be permitted in the pipe until the above has been accomplished and a period of at least 24 hours has elapsed for solvent weld setting and curing.

   Main lines to be tested up to valve at 125 pounds pressure and there shall be no leaks. Furnish force pump and pressure gauge. Lateral lines of system to be tested at line pressure with risers capped. Tests to be for 2 hour period and verified by the District.

H. Backfill quality and compaction of trenches shall be verified by the District. Do not backfill trenches until all tests have been completed and accepted.

I. Perform a coverage test in the presence of the District to determine if the water coverage for planting areas is complete and adequate. Furnish materials and perform all work required to correct any inadequacies of coverage due to deviations from drawings, or where the system has been willfully installed as indicated on the drawings when it is obviously inadequate, without bringing this to the attention of the District.

J. The coverage test shall be completed, and the irrigation system modified if necessary and accepted, prior to the start of the planting operations.

K. The entire system shall be checked out thoroughly and completely by the Contractor, five (5) days prior to the final observation. All heads shall be properly aligned and adjusted for coverage and cleared of any foreign materials. All valves shall be properly adjusted. Sprinkler controller valve chart shall be checked for accuracy.

L. At the end of the Maintenance Period, a final observation shall be made by the Contractor and District to check out the entire system.

M. Final inspection prior to acceptance:
1. Operate each system in its entirety for the District at time of final inspection. Rework any items deemed not acceptable to the District.
2. Deliver to the District all accessories, charts, record drawings, and equipment as required before final inspection.

1.07 GUARANTEE

A. The entire sprinkler system shall be guaranteed for a period of one (1) year from date of final acceptance.

B. Should any portion of the irrigation system malfunction due to poor workmanship or defective materials, corrections shall be promptly made by the Contractor at his own expense.

C. Any damage to paving, planting areas, or other developments due to the settlements of improperly compacted trench soil, shall also be promptly repaired at the Contractor's expense, to the satisfaction of the District.

PART 2 PRODUCTS

2.01 GENERAL

A. Irrigation materials shall be in accordance with Subsection 212-2 in the SSPWC “Greenbook” and as specified herein.

B. The irrigation products specified on the drawings in these specifications are selected to match existing products in use. Substitutions are permitted only when product name is followed by or equal.

C. Use only new materials of brands and types as noted on the drawings and as specified.

2.02 MATERIALS

A. PVC primer and solvents - as recommended by Manufacturer. Pacific Plastics, Lasco, or JW Eagle.

B. Main Line Fittings - Schedule 80, PVC Type 1, Grade 1, Cell Classification 12454-B, side gated, Lasco Spears, or approved equal.

C. Lateral non-pressure line fittings - Schedule 40, PVC Type 1, Grade 1, Cell Classification 12454-B, side gated, Lasco or approved equal.

D. Nipples and Risers - PVC Schedule 80.

E. Pipe, Main Line shall be PVC Schedule 40 for all sizes, solvent weld pipe in conformance with ASTM D-1785, D-1784.

F. Pipe, Lateral Non-Pressure Lines shall be PVC Schedule 40 for all sizes, solvent weld pipe in conformance with ASTM D-1785, D-1784.

G. Thread Sealant shall be smooth, non-hardening sealant, compatible with the pipe materials specified. Do not use Teflon tape.

PART 3 EXECUTION

3.01 GENERAL

Irrigation materials shall be in accordance with Subsection 308-5 in the SSPWC "Greenbook" and as specified herein.

3.02 WORKMANSHIP AND INSTALLATION

A. Layout and Adjustments
1. The drawings are diagrammatic to the extent that many offsets, special fittings and exact locations of the equipment are not shown. The locations of all valves, heads, lines, etc., shall be installed, however, as accurately as possible to the locations that are indicated on the drawings.
2. The locations of main lines are indicated as bordering walks, curbs and fences shall be placed as close as possible. Locate lines within planting areas wherever possible.

3. All indicated locations of heads and equipment are placed with careful consideration to overlap, protection of the premises, lights, proposed tree locations and general layout. Coordinate installation of sprinkler irrigation materials, including pipe, so there is no interference with utilities, other construction, or difficulty in planting trees and shrubs. Layout sprinkler heads and make any minor adjustments required due to differences between site and drawings. Adjustments shall be accomplished,

maintaining proper sprinkler head coverage and overlap of sprinkler throws.

B. Connections
   1. All connections shall be made into existing lines as indicated on the drawings.
   2. Field verify existing line types in the field.

C. Cutting and Patching
   1. When piping crosses concrete paving and asphalt paving, sawcutting is required. Cut AC paving and/or concrete with concrete sawcutting tools straight and in those locations approved by the District.
   2. Remove concrete and/or AC, base and soil to the required depth for mainlines.
   3. Concrete walks shall be backfilled entirely with compacted sand. Compact to 95% and patched with new concrete.
   4. AC paving shall be backfilled entirely with a 1-sac sand slurry mix. Compact to 95% and patch with new AC paving.
   5. Concrete paving shall be received medium broom finish.
   6. Remove from site any excavated soil.

D. Trenching and Backfilling
   1. Trench and excavate as necessary to install the system. Excavated material shall be neatly arranged so as to cause a minimum of inconvenience to pedestrian and vehicular traffic. No soil shall be placed on concrete paving without an adequate moisture proof membrane to protect paving.
   2. Trenches for all pipe shall be open vertical construction with firm level bottom and sufficiently wide to provide free working space around the work installed and to provide ample space for backfilling and tamping.
   3. Depth of trenches shall be sufficient to provide a minimum cover above the top of the pipe as follows:
      a) Mains and control wires: 24-inches minimum cover.
      b) PVC laterals: 12-inches minimum cover.
   4. When two (2) pipes are to be placed in the same trench, provide a minimum of 6-inch horizontal clearance. Place pipe side by side; do not install one pipe on top of another.
   5. After the installation is complete and the required tests and inspections have been made and approved, the excavations and trenches shall be backfilled with clean soil, free of rubbish, rocks, and pebbles larger than one-half inch.

E. Plastic Pipe
   1. Do not install multiple assemblies on plastic lines. Provide each assembly with its own outlet.
   2. Install assemblies specified herein in accordance with respective detail. In absence of detail drawings or specifications pertaining to specific items required to complete work, perform such work in accordance with best standard practice.

3. Clean PVC pipe and fittings before installation. For solvent weld pipe use installation and solvent welding methods as recommended by the pipe and fitting manufacturer. For gasketed pipe installation follow detailed assembly instructions furnished by the manufacturer.
4. On PVC to metal connections, work the metal connections first. Use non-hardening sealant on all threaded joints. Screw hand tight and ½ turn by wrench. Where threaded PVC connections are required, use threaded PVC adapters into which the pipe may be welded.
5. Pipe shall have a firm, uniform bearing, for the entire length of each pipe line, to prevent uneven settlement. Pipe shall be snaked from side to side of trench bottom to allow for expansion and contraction. One additional foot per 100 foot of pipe is the minimum allowance for snaking. Never lay PVC pipe when there is water in the trench or when the temperature is 32° F or below.
6. Use 45° fittings at all changes in depth of pipe. Coupling to be of same materials and wall thickness as pipe.

F. Sprinkler Controller
1. Perform all wire connections within existing auto controller enclosure as per plans and manufacturer's specifications.
2. Electrical wiring and work shall conform to the codes and ordinances of all governmental agencies having jurisdiction. Exposed conduits and fittings shall be of one type and finish. Running threads shall not be used.

G. Sprinkler Heads
1. Prior to installing heads, flush laterals and risers with full line pressure. Repeat whenever system is opened up for repairs or replacements. Start flushing operation at the highest point of delivery and work to the lowest.
2. Align all part circle heads so that no spray shall hit building walls or concrete paving.
3. Adjust all spray nozzles so that there will be no amount of overspray, and so that the entire set will be as evenly balanced as possible.
4. Install with each lawn area sprinkler head, a "Triple Swing" joint with Schedule 80 PVC nipples and threaded elbows as per plans.

## 3.03 FIELD QUALITY CONTROL

A. Adjustment to System
1. Flush and adjust all sprinkler heads for optimum performance and to prevent overspray onto walk, roadways, and buildings wherever possible.
2. Select the best degree of arc to fit existing site conditions.
3. Set all sprinkler heads perpendicular to finished grades unless other designated on the drawings.

## 3.04 TESTING AND INSPECTION

A. Do not allow or cause any work of this section to be covered up or enclosed until it has been inspected, tested, and approved by the District. Before backfilling the main line, and with all control valves in place, but before lateral pipes are connected, completely flush and test the mainline, and repair all leaks. Flush out each section of lateral pipe before emitters are attached.

B. Make all necessary provisions for thoroughly bleeding the line of air and debris. Before testing, fill the line with water for a period of at least 24 hours.

3.05 FINAL INSPECTION

Thoroughly clean, adjust and balance all systems. Demonstrate the entire system to the District proving that all remote-control valves are properly balanced, that all emitters are properly flowing and that the entire system is installed and is workable, clean, and efficient.

**END OF SECTION 32 84 23**