# Moline - Coal Valley School District

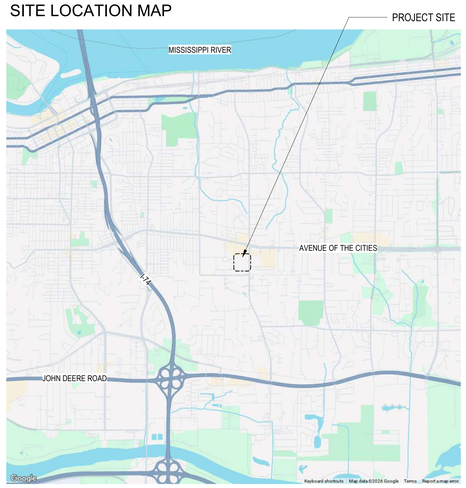
# BASEBALL & SOFTBALL COMPLEX RENOVATION

3600 Avenue of the Cities

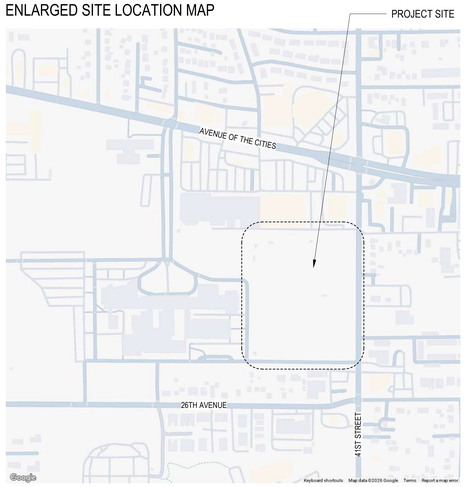
Moline, IL 61265



## SITE LOCATION MAP




## ENLARGED SITE LOCATION MAP




**ALTERNATES:**

1. NATURAL GRASS VARSITY BASEBALL AND SOFTBALL FIELDS. PROVIDE DRAINAGE AND IRRIGATION SYSTEM THAT MATCHES THE TWO JUNIOR-VARSITY FIELDS TO THE NORTH.
2. INSTALL OWNER PROVIDED FIELD LIGHTING. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
3. INSTALL PERIMETER COMPLEX FENCING AND ASSOCIATED GATES AS INDICATED.
4. INSTALL LOCKER ROOMS AT THE HOME VARSITY BASEBALL AND SOFTBALL FIELDS AS INDICATED.

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RELEASE

ISSUED FOR REBID

DATE OF ISSUE

08.04.2026

ARCHITECT'S PROJECT NUMBER

226057.00

LEGAT ARCHITECTS

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Moline - Coal Valley School District

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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

TITLE SHEET

G-001

ISSUED FOR REBID

## PLUMBING FIXTURE COUNT

ASSEMBLY PLACES: SPORT ARENAS, STADIUM, CONVENTION HALLS, ETC. OR ASSEMBLY: A-4

| OCCUPANT LOAD: 600 | MALE OCCUPANTS: 300 | | | FEMALE OCCUPANTS: 300 | | |
|---|---|---|---|---|---|---|
| | MALE FIXTURES REQUIRED | MALE REQUIRED | MALE ACTUAL | FEMALE FIXTURES REQUIRED | FEMALE REQUIRED | FEMALE ACTUAL |
| WATER CLOSET | 1 PER 100 | 3 | 3 | 1 PER 60 | 5 | 5 |
| URINALS | 1 PER 100 | 3 | 3 | | | |
| LAVATORIES | 1 PER 250 | 3 | 3 | 1 PER 250 | 3 | 3 |
| BATHTUB/SHOWERS | NA | NA | NA | NA | NA | NA |
| DRINKING FOUNTAINS | SEE NOTE #1 | 1 | 1 | SEE NOTE #1 | 1 | 1 |
| SERVICE SINKS | 1 PER FLOOR | 1 PER FLOOR | 1 PER FLOOR | 1 PER FLOOR | 1 PER FLOOR | 1 PER FLOOR |

NOTE #1 - 1 PER EACH SET OF MALE AND FEMALE PUBLIC RESTROOMS (HIGH-LOW)

## SAFETY REFERENCE SYMBOLS & ABBREVIATIONS

ROOM NAME
101 — ROOM IDENTIFICATION NUMBER
EXIT # — PRIMARY EXIT NUMBER
ACT CALC — OCCUPANT LOAD PER MAXIMUM FLOOR AREA ALLOWANCE
ACTUAL/ANTICIPATED OCCUPANT LOAD

EXIT # — DOOR EXIT IDENTIFICATION NUMBER
ACT CALC — DOOR CALCULATED EXIT CAPACITY
DOOR ACTUAL EXIT CAPACITY

EGRESS ROUTE

*EXIT PATH #1; Length* — EGRESS ROUTE IDENTIFICATION & LENGTH

AED — AUTOMATED EXTERNAL DEFIBRILLATOR
FEC — SEMI-RECESSED FIRE EXTINGUISHER CABINET
TR — TRANSFORMER FOR ELECTRICAL SERVICE - REFER TO ELECTRICAL DRAWINGS

## BUILDING DATA - NEW CONSTRUCTION

| | |
|---|---|
| APPLICABLE CODE | IBC 2015 |
| USE GROUP | A-5 |
| CONSTRUCTION TYPE (TABLE 601) | VB |
| ALLOWABLE HEIGHT (TABLE 504.3) | 40 FEET |
| ACTUAL HEIGHT | 28'-4" |
| ALLOWABLE STORIES ABOVE GRADE (TABLE 504.4) | UL |
| ACTUAL STORIES ABOVE GRADE | 2 |
| ALLOWABLE AREA (TABLE 506.2) | UL |
| AREA INCREASE DUE TO FRONTAGE (506.3) | N/A |
| MAXIMUM ALLOWABLE AREA | UL |
| NEW BUILDING FOOTPRINT | XX,XXX SF |
| AUTOMATIC SPRINKLER SYSTEM REQUIREMENTS | NO |

## FIRE-RESISTANCE RATINGS FOR BUILDING ELEMENTS

| BUILDING ELEMENT | RATING | UL APPROVED DESIGN NO. |
|---|---|---|
| PRIMARY STRUCTURAL FRAME | | |
| BEAMS | 0 - HR | - |
| COLUMNS | 0 - HR | - |
| BEARING WALLS | | |
| EXTERIOR | 0 - HR | - |
| INTERIOR | 0 - HR | - |
| FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS | 0 - HR | - |
| ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS | 0 - HR | - |
| PERIMETER FIRESTOPPING AT CURTAIN WALL | 0 - HR | - |
| PERIMETER FIRESTOPPING AT EDGE OF SLAB | 0 - HR | - |
| FIRE WALL (TABLE 706.4) | 0 - HR | - |
| PARTY WALLS (TABLE 706.4) | 0 - HR | - |
| CORRIDOR WALLS (TABLE 1020.1) | 0 - HR | - |
| EXTERIOR WALL FIRE SEPARATION DISTANCE (TABLE-602) | 1-HOUR: < 5' / 1-HOUR: 5' ≥ X < 10'<br>0-HOUR: 10' ≥ X < 30' / 0-HOUR: ≥ 30' | |

## MEANS OF EGRESS - NEW CONSTRUCTION

| | |
|---|---|
| APPLICABLE CODE | IBC 2015 |
| DOOR/CORRIDOR EGRESS WIDTH (1005.3.2) | 0.2/PERSON |
| STAIR EGRESS WIDTH (1005.3.1) | 0.3/PERSON |
| MAX. LENGTH OF EXIT ACCESS TRAVEL (TABLE 1017.2) | 200 FEET |
| MAX. LENGTH OF COMMON PATH EGRESS TRAVEL (TABLE 1006.2.1) | 75 FEET |
| MAX. LENGTH OF DEAD END CORRIDORS (TABLE 1020.4) | 20 FEET |
| MINIMUM CORRIDOR WIDTH (TABLE 1020.2) | 36 INCHES |

## APPLICABLE CODES - NEW CONSTRUCTION

- 2015 INTERNATIONAL BUILDING CODE (IBC)
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- 2015 INTERNATIONAL FIRE CODE (IFC), EXCLUDING CHAPTER 4
- 2015 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2015 INTERNATIONAL MECHANICAL CODE (IMC)
- 2015 INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC)
- 29 ILLINOIS ADMINISTRATIVE CODE 1500 SHALL APPLY INSTEAD OF CHAPTER 4 OF THE INTERNATIONAL FIRE CODE
- 71 ILLINOIS ADMINISTRATIVE CODE, PART 400, ILLINOIS ACCESSIBILITY CODE 2018
- FEDERAL ACCESSIBILITY CODE: 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- 77 ILLINOIS ADMINISTRATIVE CODE, PART 890, ILLINOIS PLUMBING CODE 2014
- 41 ILLINOIS ADMINISTRATIVE CODE PART 2120 BOILER AND PRESSURE VESSEL SAFETY
- NFPA 101 LIFE SAFETY CODE, 2012 EDITION

## SAFETY REFERENCE NOTES

TOTAL OCCUPANT LOAD (MAIN CONCESSIONS BUILDING) - 6 KITCHEN OCCUPANTS; 6 PRESS BOX OCCUPANTS.
TOTAL OCCUPANT LOAD (VARSITY CONCESSIONS BUILDING) - 4 KITCHEN OCCUPANTS; 2 PRESS BOX OCCUPANTS.
MAX CAPACITY OF THE COMPLEX IS ASSUMED TO BE 600 PERSONS.

## OCCUPANT LOAD SCHEDULE

| ROOM ID NUMBER | ROOM NAME | AREA | SF / OCCUPANT | CALCULATED OCCUPANT LOAD | ACTUAL OCCUPANT LOAD |
|---|---|---|---|---|---|
| 1 | | | | | |
| 111 | CONCESSION | 251 SF | 5 | 51 | 6 |
| | | | | 51 | 6 |
| 2 | | | | | |
| 112 | PRESSBOX | 416 SF | 15 | 28 | 6 |
| | | | | 28 | 6 |
| 3 | | | | | |
| 104 | CONCESSION | 216 SF | 5 | 44 | 4 |
| | | | | 44 | 4 |
| 4 | | | | | |
| 105 | PRESSBOX | 331 SF | 15 | 23 | 2 |
| | | | | 23 | 2 |
| TOTAL OCCUPANCY | | | | 146 | 18 |

## EXIT DOOR SCHEDULE

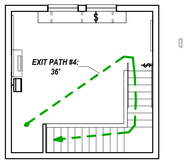
| DOOR EXIT ID | DOOR WIDTH | CLEAR WIDTH (INCHES) | MEANS OF EGRESS CAPACITY FACTOR | CALCULATED EXIT CAPACITY | ACTUAL EXIT CAPACITY |
|---|---|---|---|---|---|
| EXIT 1 | 3'-0" | 33 | 0.15 | 220 | 6 |
| EXIT 2 | 3'-0" | 33 | 0.15 | 220 | 6 |
| EXIT 3 | 3'-0" | 33 | 0.15 | 220 | 4 |
| EXIT 4 | 3'-0" | 33 | 0.15 | 220 | 2 |

## PATH OF TRAVEL - EXIT DISTANCES

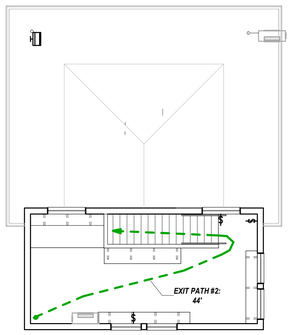
| EXIT PATH ID # | LENGTH |
|---|---|
| 100 LEVEL | |
| EXIT PATH #1 | 30'-10" |
| EXIT PATH #2 | 5'-11" |
| EXIT PATH #3 | 17'-0" |
| EXIT PATH #4 | 3'-10" |
| 200 LEVEL | |
| EXIT PATH #2 | 44'-1" |
| EXIT PATH #4 | 36'-6" |

## EXIT STAIR SCHEDULE

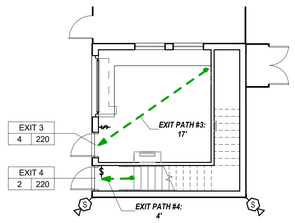
| STAIR EXIT ID | ACTUAL WIDTH INCHES | MEANS OF EGRESS CAPACITY FACTOR | CALCULATED EXIT CAPACITY | ACTUAL EXIT CAPACITY | IBC MIN. WIDTH INCHES | STAIR HEIGHT | NO. RISERS | RISER HEIGHT | NO. TREADS | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 48 | 0.3 | 160 | 6 | 36 | 12'-0" | 21 | 6 7/8" | 20 | 11" |
| 4 | 40 | 0.3 | 133.333333 | 2 | 36 | 12'-0" | 21 | 6 7/8" | 19 | 11" |



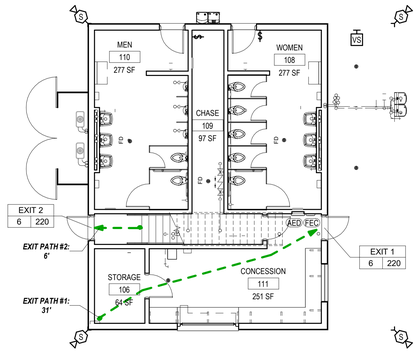

4 BUILDING #2 - SECOND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0" A-201




2 BUILDING #1 - SECOND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0" A-201




3 BUILDING #2 - FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0" A-201




1 BUILDING #1 - FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0" A-201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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
|---|---|---|
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PROJECT NUMBER 226057.00
DATE OF ISSUE 08.04.2026
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CODE INFORMATION & SAFETY REFERENCE PLANS

# G-101

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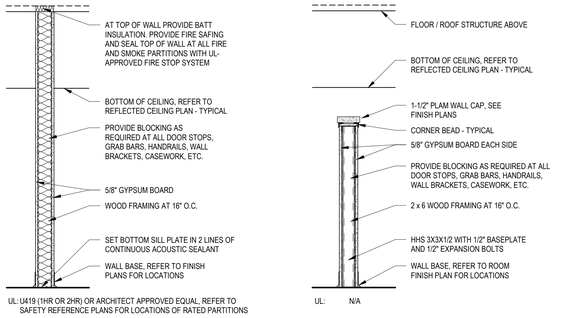


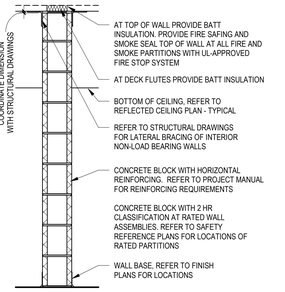

UL: U419 (1HR OR 2HR) OR ARCHITECT APPROVED EQUAL, REFER TO SAFETY REFERENCE PLANS FOR LOCATIONS OF RATED PARTITIONS

STC: S3F: 40, S3FA: 49, S3F(3): _, S3FA(3): _, S3F(4): 48, S3FA(4): 56




UL: N/A

STC: N/A




UL: U905 (2HR); U906 (2HR) 6" AND 8" CMU ONLY; U904 (3HR); U901 (4HR)

## WOOD STUD PARTITION




WS # X (#)

FRAMING DEPTH "#"
- WS 4 — 3 1/2" STUD DEPTH
- WS 6 — 5 1/2" STUD DEPTH

LETTER MODIFIERS "X"
- WS # — FRAMING FULL HEIGHT TO STRUCTURE ABOVE AND GYPSUM BOARD TO 6" ABOVE CEILING
- WS # F — FRAMING AND GYPSUM BOARD FULL HEIGHT TO STRUCTURE ABOVE (STC: 40-48)
- WS # A — MINERAL FIBER SOUND ATTENUATION BLANKETS FULL DEPTH OF STUD (STC: 49-56)

LAYER MODIFIERS "(#)"
- WS # X — TWO (2) LAYERS OF GYPSUM BOARD, ONE (1) ON EACH SIDE (1HR)
- WS # X (1) ONE (1) LAYER OF GYPSUM BOARD, REFER TO DRAWINGS.
- WS # X (3) THREE (3) LAYERS OF GYPSUM BOARD, ONE (1) ON ONE SIDE, TWO (2) ON THE OTHER SIDE - REFER TO DRAWINGS. (STC: 54)
- WS # X (4) FOUR (4) LAYERS OF GYPSUM BOARD, TWO (2) ON EACH SIDE (2HR) (STC: 48, OR 56)

NOTES
1. IMPACT-RESISTANT / ABUSE-RESISTANT GYPSUM BOARD REQUIRES 20 GA MINIMUM STUDS.
2. PROVIDE 5/8" PLYWOOD BACKING IN LIEU OF GYPSUM BOARD AT AREAS SCHEDULED TO RECEIVED FIBERGLAS REINFORCED PANELS.

## WOOD STUD PARTITION




WSP #

FRAMING DEPTH "#"
- WS 4 — 3 1/2" STUD DEPTH
- WS 6 — 5 1/2" STUD DEPTH

LETTER MODIFIERS "X"
N/A

LAYER MODIFIERS "(#)"
N/A

NOTES
1. REFER TO FLOOR PLANS AND INTERIOR ELEVATIONS FOR PARTITION HEIGHT.
2. IMPACT-RESISTANT / ABUSE-RESISTANT GYPSUM BOARD REQUIRES 20 GA MINIMUM STUDS.

## CMU PARTITION




M # X (#)

CMU DEPTH "#"
- M 4 — 4" CMU
- M 6 — 6" CMU
- M 8 — 8" CMU
- M 10 — 10" CMU
- M 12 — 12" CMU

LETTER MODIFIERS "X"
- M # — STANDARD CMU
- M # G — GROUND FACE
- M # L — SPLIT FACE
- M # C — FLUTED ACOUSTIC
- M # F — FLUTED
- M # T — GLAZED
- M # S — SMOKE RATED

LAYER MODIFIERS "(#)"
REFER TO FURRING PARTITION

- M # X (1) — FURRING OR VENEER ON ONE (1) SIDE - REFER TO DRAWINGS
- M # X (2) — FURRING OR VENNER ON BOTH SIDES

NOTES
1. REFER TO STRUCTURAL DRAWINGS FOR TOP OF WALL CONDITION AT LOAD BEARING CMU PARTITIONS.

## GENERAL NOTES

1. ALL WORK SHALL BE COMPLIANT WITH THE CODES, ORDINANCES, AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT LOCATION.
2. THE TRADE CONTRACTORS' PERSONNEL SHALL NOT BE ALLOWED ON THE PROJECT SITE WITHOUT COMPLYING WITH THE OWNER'S SECURITY PROTOCOLS.
3. WHERE CONFLICTS EXIST WITHIN OR BETWEEN PARTS OF THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE STANDARDS, CODES, ORDINANCES, AND REGULATIONS THE MORE STRINGENT OR HIGH QUALITY OR GREATER QUALITY REQUIREMENT(S) SHALL APPLY. LARGE-SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL-SCALE DRAWINGS; FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS; AND NOTED MATERIALS TAKE PRECEDENCE OVER GRAPHIC REPRESENTATIONS.
4. THE CONTRACT DOCUMENTS IDENTIFY THE MINIMUM AMOUNT OF WORK REQUIRED. TRADE CONTRACTORS SHALL PROVIDE THE EXTENT OF WORK NECESSARY FOR A COMPLETE INSTALLATION.
5. REFER TO THE PROJECT MANUAL FOR PRODUCTS, MATERIALS, AND PROCEDURES NOT IDENTIFIED ON THE CONTRACT DRAWINGS.
6. THE ACTUAL AREA(S) OF WORK SHALL BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. EXISTING DIMENSIONS AND HATCHED AREAS INDICATED ON CONTRACT DOCUMENTS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY.
7. PRIOR TO BIDDING, THE TRADE CONTRACTORS SHALL FIELD VERIFY THE EXTENT OF WORK REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. ADDITIONAL WORK THAT IS REQUIRED, WAS VISIBLE, AND COULD HAVE BEEN IDENTIFIED DURING BIDDING SHALL BE COMPLETED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER.
8. THE TRADE CONTRACTORS SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OR CONSTRUCTION MANAGER OF ANY CONFLICTS WITH THE CONSTRUCTION DOCUMENTS PRIOR TO PREPARING SUBMITTALS OR BEGINNING ANY WORK.
9. THE TRADE CONTRACTORS SHALL PROVIDE ALL TEMPORARY CONSTRUCTION AND/OR SHORING REQUIRED TO PROPERLY EXECUTE THE REQUIREMENTS OF THEIR CONTRACT.
10. ALL EXTERIOR OPENINGS SHALL BE SECURED AT ALL TIMES WHEN WORK IS NOT BEING PERFORMED. THE TRADE CONTRACTORS SHALL NOT REMOVE EXISTING DOORS, FRAMES, WINDOWS, ETC. UNTIL REPLACEMENTS ARE ONSITE AND READY FOR INSTALLATION. IF INSTALLATION OF DOORS, FRAMES, WINDOWS, ETC. CANNOT BE COMPLETED BY THE END OF THE WORK DAY, THE RESPONSIBLE TRADE CONTRACTORS SHALL PROVIDE TEMPORARY WEATHERPROOF CONSTRUCTION AS REQUIRED TO SECURE THE BUILDING TO THE SATISFACTION OF THE OWNER AND RESTORE AFFECTED SURFACES TO THEIR ORIGINAL CONDITION.
11. PATCHING, REPAIRING, AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE EXISTING ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE IN MATERIAL, FINISH, COLOR, TEXTURE AND SHEEN. REFER TO THE CONTRACT DRAWINGS FOR EXISTING BUILDING CONSTRUCTION TO REMAIN.
12. TRADE CONTRACTORS SHALL PROTECT THEIR WORK AND EXISTING CONSTRUCTION, FINISHES, AND EQUIPMENT TO REMAIN TO PREVENT DAMAGE. ANY WORK AND/OR EXISTING FINISHES TO REMAIN DAMAGED DURING THE REMOVAL OF EXISTING WORK OR THE INSTALLATION OF NEW WORK SHALL BE REPAIRED, REPLACED, AND REFINISHED BY THE RESPONSIBLE TRADE CONTRACTOR TO MATCH THE ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
13. THE ARCHITECT SHALL REVIEW AND APPROVE LOCATIONS FOR ALL JUNCTION BOXES AND RACEWAYS PRIOR TO INSTALLATION OF WIRING / CABLING.
14. EXISTING SITE FEATURES, MATERIALS, AMENITIES, LANDSCAPING, ETC. DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE RESTORED, REPAIRED, OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
15. CONTRACTOR SHALL COORDINATE THE WORK WITH ALL PARTIES INVOLVED SO THAT THE CONSTRUCTION CAN PROCEED SMOOTHLY, WITHOUT TRADE INTERFERENCE OR WASTE OF TIME AND MATERIAL.
16. ***WARNING: ASBESTOS-CONTAINING BUILDING MATERIALS ARE OR MAY BE PRESENT IN THIS BUILDING. AN ASBESTOS MANAGEMENT PLAN IS AVAILABLE IN THE SCHOOL FOR REVIEW UPON REQUEST. NO PERSON MAY DISTURB ASBESTOS-CONTAINING MATERIALS UNLESS THAT PERSON IS A LICENSED ASBESTOS WORKER OR CONDUCTS SUCH WORK IN ACCORDANCE WITH SPECIFICATIONS(S) CONTAINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF HEALTH RULES AND REGULATIONS.***

## GENERAL CONSTRUCTION / RENOVATION NOTES

1. AFTER REMOVAL OF ITEMS IDENTIFIED TO BE REMOVED, CLEAN AND REPAIR THE EXISTING SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHES TEXTURE, PATTERN, COLOR AND SHEEN OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
2. WHERE EXISTING EQUIPMENT IS REMOVED AND NEW EQUIPMENT IS SMALLER AND INSTALLED IN THE SAME LOCATION, CLEAN AND REPAIR THE SIGHT-EXPOSED SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHED TEXTURE, PATTERN, AND COLOR OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
3. EXISTING AND NEW FIRE RATED ASSEMBLIES ARE TO BE MAINTAINED AND BE IN CONFORMANCE WITH APPLICABLE CODES. PENETRATIONS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED. NEW FIRE RATED ASSEMBLIES SHALL BE INSPECTED, CERTIFIED, AND APPROPRIATELY LABELED ABOVE CEILINGS.
4. ALL PENETRATIONS THROUGH ANY MATERIAL SHALL BE SEALED WITH A COMPATIBLE MATERIAL APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
5. MASONRY INFILL AND/OR PATCHING SHALL MATCH THE MATERIAL, SIZE, FINISH, COLOR, TEXTURE AND COURSING OF EXISTING MASONRY TO REMAIN. NEW MASONRY SHALL BE WHOLE UNITS TOOTHED IN TO THE EXISTING MASONRY. NO SAW CUT EDGES WILL BE ALLOWED. MORTAR JOINTS TO MATCH COLOR, TEXTURE AND PROFILE OF ADJACENT MASONRY.
6. STRUCTURAL LINTELS ARE REQUIRED AT ALL OPENINGS AND RECESSES IN LOAD BEARING AND NON-LOAD BEARING MASONRY WALLS. REFER TO STRUCTURAL DRAWINGS.
7. EXPOSED OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS SHALL BE ROUNDED, U.N.O.
8. PROVIDE A CONTINUOUS BEAD OF SEALANT BETWEEN DISSIMILAR MATERIALS, U.N.O.
9. PROVIDE GALVANIC PROTECTION SEPARATING DISSIMILAR METALS.
10. ALL EXPOSED PIPING AND CONDUIT SHALL BE KEPT AS CLOSE AS POSSIBLE TO WALLS STRUCTURE, AND FLOOR/ROOF DECK.
11. ALL WALLS ABOVE DOORS/FRAMES TO EXTEND TO UNDERSIDE OF DECK, U.N.O.
12. ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE FACE OF FINISH MATERIAL, U.N.O.
13. SLOPE ALL CONCRETE AND/OR TOPPING TO FLOOR DRAINS; COORDINATE WITH PLUMBING DRAWINGS.
14. CENTER SPRINKLER HEADS AND LIGHT FIXTURES, SECURITY DEVICES, WAPS, EXIT SIGNS, & SIMILAR DEVICES IN ACT TILES, U.N.O.
15. INSTALL WOOD BLOCKING AS NEEDED FOR ALL WALL MOUNTED ITEMS.

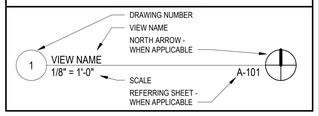
## GENERAL FINISH NOTES

1. EXISTING SIGHT-EXPOSED SURFACES OF EXISTING PARTITIONS AND SOFFITS SHALL BE FINISH PAINTED.
2. ALL NEW CONSTRUCTION AND IDENTIFIED EXISTING CONSTRUCTION TO REMAIN SHALL BE PRIME AND FINISH PAINTED UNLESS MATERIALS ARE PRE-FINISHED. REFER TO THE FINISH PLANS AND THE PROJECT MANUAL FOR ADDITIONAL INFORMATION. NEW PARTITIONS AND SOFFITS ARE TO BE PRIME PAINTED FOR FULL HEIGHT OF PARTITION OR SOFFIT. SIGHT-EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISH PAINTED.
3. ALL WALLS IN EXISTING ROOMS IN WHICH WORK IS OCCURRING:
   - A. REPAIR HOLES, DEFECTS, ETC. IN EXISTING PLASTER AND CONCRETE BLOCK WALLS;
   - B. AT REPAIRS AND UNPAINTED CONCRETE BLOCK PROVIDE BLOCK FILL PAINT AND TWO FINISH COATS OF PAINT; AND
   - C. PROVIDE ONE FINISH COAT OF PAINT OVER EXISTING PAINTED WALLS.
4. IN OCCUPIED SPACES IN AREAS OF RENOVATION, ALL SIGHT-EXPOSED MEPFP COMPONENTS INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC SHALL BE PAINTED. DO NOT PAINT MOVING PARTS OR LABELS.
5. DO NOT PAINT EXISTING FACE BRICK, GROUND FACE CMU OR SGFT, UNO.

## GENERAL REFLECTIVE CEILING NOTES

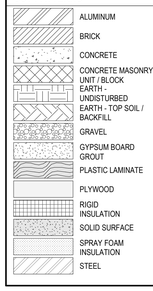
1. ALL CEILING ELEVATIONS IDENTIFIED DENOTE HEIGHT ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
2. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND TECHNOLOGY DRAWINGS FOR CEILING MOUNTED EQUIPMENT AND COMPONENTS NOT IDENTIFIED ON ARCHITECTURAL DRAWINGS.
3. IN AREAS WITH NO FINISHED CEILING SYSTEM REFER TO ELECTRICAL DRAWINGS FOR LUMINARIES AND SPACING.
4. REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION REGARDING:
   - A. PAINTING OF CEILING COMPONENTS;
   - B. SUSPENDED ACOUSTICAL TILE CEILING SYSTEM TYPES TO BE PROVIDED;
   - C. CEILING HUNG WINDOW TREATMENTS
5. PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF EXISTING CONDITIONS PREVENT NEW CEILING SYSTEMS FROM BEING INSTALLED AS DRAWN AND NOTED.
6. PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ELECTRICAL DRAWINGS DOES NOT MATCH QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ARCHITECTURAL DRAWINGS.
7. LIGHT FIXTURES IN CORRIDORS ARE TO BE CENTERED IN THE WIDTH OF THE CORRIDOR UNLESS NOTED OTHERWISE.
8. ALL CEILING TILES SHALL BE TYPE 1 UNLESS NOTED OTHERWISE:
   - A. PROVIDE TYPE 2 CEILING TILES IN TOILET ROOMS.
9. PAINT ALL GYPSUM CEILINGS

## DRAWING TITLE KEY

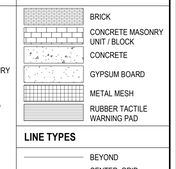



## MATERIAL PATTERN LEGEND

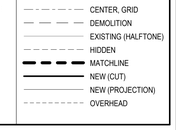
### CUT PATTERNS




### SURFACE PATTERNS

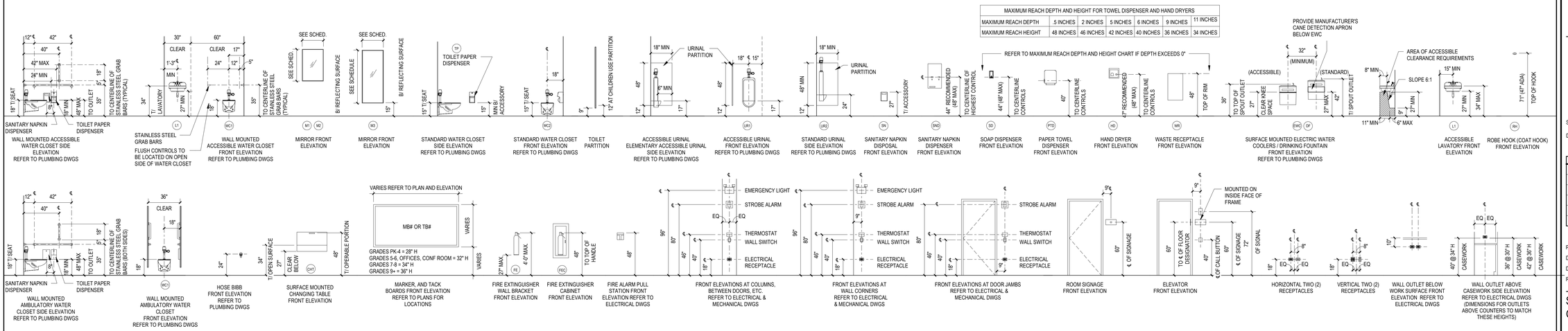



### LINE TYPES




## TYPICAL MOUNTING HEIGHTS

| MAXIMUM REACH DEPTH AND HEIGHT FOR TOWEL DISPENSER AND HAND DRYERS | | | | | | |
|---|---|---|---|---|---|---|
| MAXIMUM REACH DEPTH | 5 INCHES | 2 INCHES | 5 INCHES | 6 INCHES | 9 INCHES | 11 INCHES |
| MAXIMUM REACH HEIGHT | 48 INCHES | 46 INCHES | 42 INCHES | 40 INCHES | 36 INCHES | 34 INCHES |




GENERAL NOTES
1. NOT ALL FIXTURES, EQUIPMENT, ACCESSORIES, AND DEVICES SHOWN ARE APPLICABLE FOR THIS PROJECT
2. ALIGN WALL-MOUNTED DEVICES ON CENTER VERTICALLY WHERE POSSIBLE
3. NO DEVICES TO BE LOCATED ON SURFACES DESIGNATED AS FEATURE WALLS
4. DIMENSIONS SHOWN ON INTERIOR ELEVATIONS SUPERCEDE DIMENSION SHOWN ON G-201
5. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECT BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES MINIMUM AND THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MINIMUM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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
|---|---|---|
| | | |

| | |
|---|---|
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

SYMBOLS AND PROJECT GENERAL NOTES

# G-201

ISSUED FOR REBID

## GENERAL NOTES AND CONDITIONS

1. THE MUNICIPAL AUTHORITY GOVERNING THIS WORK IS THE MUNICIPALITY OF MOLINE, IL.

2. ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING SPECIFICATIONS. IF A CONFLICT ARISES BETWEEN ANY PROVISION(S) OF THE THESE STANDARDS AND SPECIFICATIONS, THEN THE MOST RESTRICTIVE PROVISION(S) SHALL APPLY.
   A. ILLINOIS DEPARTMENT OF TRANSPORTATION (I.D.O.T.) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION. (STANDARD SPECIFICATIONS)
   B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION.
   C. "ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS" AS PUBLISHED BY THE I.E.P.A.
   D. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.) LATEST EDITION.
   E. THE MUNICIPALITY'S CODES, REGULATIONS, ORDINANCES AND STANDARDS.
   F. DETAILS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL" LATEST EDITION.
   G. 2018 EDITION OF THE STATE OF ILLINOIS ACCESSIBILITY CODE AND/OR THE 2010 EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA).

3. THE PROJECT SPECIFICATIONS SHALL GOVERN THE CONSTRUCTION OF THIS DEVELOPMENT WITH THE ABOVE SPECIFICATIONS. WHERE ANY CONFLICT MAY OCCUR, THE CONTRACTOR SHALL SUBMIT IN WRITING A NOTICE OF SUCH CONFLICT TO THE OWNER'S REPRESENTATIVE OR ENGINEER FOR A WRITTEN DECISION ON WHICH MAY GOVERN.

4. IN THE EVENT OF CONFLICTS, ERRORS, OR AMBIGUITIES IN THE DOCUMENTS CLIENT AND OR CONTRACTOR SHALL IMMEDIATELY, AND BEFORE ANY WORK HAS BEGUN OR COSTS INCURRED, REQUEST CLARIFICATION FROM THE ENGINEER WHOSE INTERPRETATION SHALL BE FINAL AND BINDING UPON ALL PARTIES CONCERNED. NEITHER CLIENT NOR CONTRACTOR SHALL TAKE ADVANTAGE OF CONFLICTS, ERRORS, OR AMBIGUITIES IN THE DOCUMENTS. OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. FAILING TO SECURE SUCH CLARIFICATION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE.

5. THE STANDARD SPECIFICATIONS, CONSTRUCTION PLANS AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.

6. THE MUNICIPALITY SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE AND REJECT THE CONSTRUCTION OF THE IMPROVEMENTS CONSTRUCTED UNDER THESE CONTRACT DOCUMENTS.

7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES INDICATED ON THE ENGINEERING PLANS. THE QUANTITIES SHOWN ARE ESTIMATED FOR BIDDING PURPOSES ONLY. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER. THE BIDDER SHALL CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS, VISIT THE PROJECT SITE AND FULLY INFORM THEMSELVES AS TO ALL CONDITIONS AND MATTERS WHICH CAN AFFECT THEIR WORK AND THE COST THEREOF. ANY DISCREPANCIES, OMISSIONS OR DOUBTS IN INTENT OF THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY AND OBTAIN CLARIFICATION PRIOR TO SUBMITTING OF ANY BID.

8. THE IMPROVEMENTS SHOWN ON THE ENGINEERING PLANS SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL AND EQUIPMENT, ETC., AS NECESSARY TO PERFORM THE WORK INDICATED.

9. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION".

10. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS AND MUNICIPALITY REGULATIONS AND STANDARDS AND SHALL CONFORM IN ALL RESPECTS TO ALL STATE AND FEDERAL LAWS.

11. UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE CONTRACTOR MUST CALL 811 OR J.U.L.I.E AT 800.892-0123 AT LEAST 48 HOURS BEFORE THE START OF ANY CONSTRUCTION WORK. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE, OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT LOCAL UTILITY LOCATION SERVICE FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. IF ANY EXISTING UTILITIES ARE ENCOUNTERED OR DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPAIRED PROPERLY BY THE CONTRACTOR. IF THEY ARE UTILITIES TO BE ABANDONED, THEY SHALL BE CAPPED, SEALED AND ABANDONED PROPERLY PER THEIR RESPECTIVE OWNER'S CRITERIA.

12. THE MUNICIPALITY SHALL BE NOTIFIED 48 HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY APPROVED CONSTRUCTION ACTIVITY AND TO SCHEDULE ALL REQUIRED INSPECTIONS.

13. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORD.

14. EXCAVATIONS SHOULD COMPLY WITH THE REQUIREMENTS OF OSHA 29CFR, PART 1926, SUBPART P, "EXCAVATIONS" AND ITS APPENDICES, AS WELL AS OTHER APPLICABLE CODES. THIS DOCUMENT STATES THAT THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF STABLE, TEMPORARY EXCAVATIONS. THE EXCAVATIONS SHOULD NOT ONLY BE IN ACCORDANCE WITH CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS BUT ALSO WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR SHOULD SHORE, SLOPE OR BENCH THE EXCAVATION SIDES WHEN APPROPRIATE. SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL ALSO BE RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCING OF CONSTRUCTION OPERATIONS.

15. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, EXCESS MATERIALS, DEBRIS, ETC. SHALL BE LEGALLY DISPOSED OF AT OFF-SITE LOCATIONS PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE.

16. CONSTRUCTION SITE SAFETY IS SOLE RESPONSIBILITY OF THE CONTRACTOR WHO CONTROLS THE MEANS, METHODS, AND SEQUENCING OF CONSTRUCTION OPERATIONS. UNDER NO CIRCUMSTANCES SHALL THE INFORMATION PROVIDED HEREIN BE INTERPRETED TO MEAN RTM IS ASSUMING RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY, OR THE CONTRACTOR'S ACTIVITIES; SUCH RESPONSIBILITY SHALL NEITHER BE IMPLIED NOR INFERRED.

17. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SIGNS, BARRICADES, FENCING, TRAFFIC CONTROL DEVICES AND MEASURES, AND ALL OTHER MEASURES THAT ARE NECESSARY TO PROTECT THE SAFETY OF THE SITE AT ALL TIMES. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 700 OF THE STANDARD SPECIFICATIONS.

18. SITE ACCESS CONTROL INCLUDING SAFETY FENCES, AND ALL CONSTRUCTION MEANS AND METHODS AND SITE SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

19. ALL EXISTING TRAFFIC SIGNS, STREET SIGNS, ETC., WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR REMOVAL OR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. ALL SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE CITY OR COUNTY AS APPROPRIATE.

20. ALL PERMANENT TYPE PAVEMENTS OR PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE FULL DEPTH SAW-CUT PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EACH ITEM AND REPLACEMENT WILL BE PAID UNDER THE RESPECTIVE ITEMS IN THE CONTRACT, UNLESS OTHERWISE INDICATED.

21. WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATIONS OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED IN ACCORDANCE WITH ARTICLE 253.09 OF THE STANDARD SPECIFICATIONS, AND THE COST OF SAME SHALL BE INCIDENTAL TO THE CONTRACT. IF TREES OR SHRUBS MUST BE REMOVED, THEY WILL BE PAID FOR IN ACCORDANCE WITH THE SPECIFICATIONS.

22. WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS, AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

23. CONTRACTOR SHALL RETAIN THE SERVICES OF AN ILLINOIS PROFESSIONAL SURVEYOR TO STAKE OUT THE GRADE AND HORIZONTAL LAYOUT OF THE NEW WORK. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO THE CONTRACT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROTECT AND PRESERVE ANY ESTABLISHED REFERENCE POINTS AND STAKES AND SHALL MAKE NO CHANGES OR RELOCATIONS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER. CONTRACTOR SHALL REPORT TO ENGINEER WHENEVER ANY REFERENCE POINT IS LOST OR DESTROYED OR REQUIRES RELOCATION BECAUSE OF NECESSARY CHANGES IN GRADES OR LOCATIONS, AND SHALL BE RESPONSIBLE FOR THE ACCURATE REPLACEMENT OR RELOCATION OF SUCH REFERENCE POINTS BY PROFESSIONALLY QUALIFIED PERSONNEL AT HIS OR HER OWN EXPENSE.

24. CONTRACTOR SHALL RETAIN THE SERVICES OF AN ILLINOIS PROFESSIONAL ENGINEER OR A PROFESSIONAL ILLINOIS LAND SURVEYOR TO PREPARE RECORD DRAWINGS SHOWING THE ELEVATION OF ALL RIMS AND INVERTS OF ALL PIPES AND STRUCTURES, PIPES, LOCATION OF ALL VALVES, STRUCTURES, FIRE HYDRANTS, UNDERGROUND PIPES, AND RECORD THE INFORMATION ON THE RECORD DRAWINGS AT THE JOB SITE AS THE WORK PROGRESSES. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL FURNISH A COMPLETE SET OF REPRODUCIBLE RECORD DRAWINGS SIGNED AND SEALED BY AN ILLINOIS PROFESSIONAL ENGINEER OR A PROFESSIONAL LAND SURVEYOR.

25. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.04 OF THE STANDARD SPECIFICATION'S REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

26. ALL EXISTING FIELD DRAINAGE TILES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM. CONNECTIONS SHALL BE MADE AT STRUCTURES; PREFERABLY CATCH BASINS ONLY. NO BLIND TAPS ARE ALLOWED. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE ENGINEER.

27. THE CONTRACTOR, BY AGREEING TO PERFORM THE WORK, AGREES TO INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ENGINEER, THE CITY, AND ALL AGENTS AND ASSIGNS OF THOSE PARTIES, FROM ALL SUITS AND CLAIMS ARISING OUT OF THE PERFORMANCE OF SAID WORK, AND FURTHER AGREES TO DEFEND OR OTHERWISE PAY ALL LEGAL FEES ARISING OUT OF THE DEFENSE OF SAID PARTIES.

28. ALL ROADS, SWALES, DRAINAGE STRUCTURES, MANHOLES AND PIPES MUST BE KEPT CLEAN AND FREE OF DIRT, SILT AND DEBRIS AT ALL TIMES.

29. IF ANY EXISTING UNDERGROUND UTILITIES ARE ENCOUNTERED OR DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPAIRED PROPERLY BY THE CONTRACTOR. IF THEY ARE UTILITIES TO BE ABANDONED, THEY SHALL BE CAPPED, SEALED AND ABANDONED PROPERLY PER THEIR RESPECTIVE OWNER'S CRITERIA.

30. CONTRACTOR SHALL PURCHASE AND MAINTAIN FOR THE DURATION OF THE WORK INSURANCE TO PROTECT ENGINEER, OWNER, ALL OF THEIR AGENTS, EMPLOYEES, SUCCESSORS, AND ASSIGNS FROM ANY AND ALL CLAIMS ARISING OUT OF THE CONSTRUCTION OF THE WORK INCLUDING NAMING THEM AS ADDITIONAL INSURED ON THE CONTRACTOR'S GENERAL LIABILITY POLICY, WHICH SHALL STATE THAT IT IS PRIMARY IN COVERAGE TO ANY INSURANCE CARRIED BY AGENTS, EMPLOYEES, SUCCESSORS, OR ASSIGNS.

31. ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF FINAL ACCEPTANCE, OR AS SPECIFIED IN THE PROJECT MANUAL. THIS GUARANTEE SHALL INCLUDE ALL DEFECTS IN MATERIALS AND WORKMANSHIP.

32. ANY QUANTITIES CONTAINED IN THESE DOCUMENTS ARE APPROXIMATE AND ESTIMATED, AND ARE PRESENTED AS A GUIDE TO THE CONTRACTOR IN DETERMINING ALL QUANTITIES AND TO BECOME FAMILIAR WITH THE SITE CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF OF ALL SITE CONDITIONS. THE PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED, UNLESS ORDERED IN WRITING BY THE OWNER.

33. ALL FIELDS SHALL BE IN FULL COMPLIANCE WITH NFHS AND STATE OF ILLINOIS REQUIREMENTS. CONTRACTOR SHALL PROVIDE FOR AND COORDINATE ALL REQUIREMENTS. REFER TO SPECIFICATIONS FOR BUILDER QUALIFICATIONS.

## EARTHWORK AND GRADING

1. THE GEOTECHNICAL REPORT FOR THE PROJECT, PREPARED BY TEAM SERVICES, INC. SHALL BE FOLLOWED. THE GEOTECHNICAL INVESTIGATION REPORT WILL BE PROVIDED.

2. SOIL EROSION CONTROL SPECIFICATIONS SHALL BE CONSIDERED AS PART OF THIS SECTION. ALL SOIL EROSION CONTROLS SHALL BE IN PLACE BEFORE THE START OF ANY SITE WORK, PER THE APPROVED EROSION CONTROL PLANS AND SWPPP.

3. SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS" SHALL BE FOLLOWED AT THE DISCRETION OF THE MUNICIPALITY.

4. ALL PROPOSED PAVEMENT AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO DESIGN SUBGRADE.

5. STOCKPILING OF SOIL SHALL BE AT LOCATIONS APPROVED BY THE OWNER.

6. PROPOSED PAVEMENT AREAS AND WHEN APPLICABLE, BUILDING PADS, DRIVEWAYS AND SIDEWALKS SHALL BE EXCAVATED OR FILLED TO PLUS OR MINUS 0.1 FOOT OF DESIGN SUBGRADE ELEVATIONS BY THE CONTRACTOR, PRIOR TO PLACEMENT OF ANY PAVEMENTS, CURBS, WALK, ETC., THE SUBGRADE SHALL BE PROOF-ROLLED WITH A FULLY LOADED TANDEM-AXLE DUMP TRUCK, MINIMUM OF 20 TONS. PROOF-ROLLING SHALL BE WITNESSED THE GEOTECHNICAL ENGINEER, PROVIDED BY THE OWNER, AND THE MUNICIPAL REPRESENTATIVE. THE DENSITY OF IN-PLACE BASE, SUBGRADE AND ASPHALT PAVEMENT MATERIALS SHALL BE TESTED BY THE GEOTECHNICAL ENGINEER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE OWNER & ENGINEER.

7. THE SUBGRADE SHALL BE FREE OF UNSUITABLE MATERIAL AND SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE (95) PERCENT OF MODIFIED PROCTOR DENSITY, PER ASTM D-1557. CONTRACTOR TO COORDINATE TESTING FOR COMPACTION WITH THE GEOTECHNICAL ENGINEER, PROVIDED BY THE OWNER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE OWNER & ENGINEER.

8. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

9. UPON COMPLETION OF THE SURFACE IMPROVEMENTS, THE CONTRACTOR SHALL RE-SPREAD A MINIMUM OF A 6" LAYER OF TOPSOIL ON ALL DISTURBED PARKWAY AND LANDSCAPED/LAWN AREAS AND RESTORE WITH SOD.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL SPOILS MATERIAL AS NECESSARY, PREPARING THE PAVEMENT SUBGRADE. PLACING REQUIRED DEPTH OF TOPSOIL TO FINISH GRADE, GRADING OF DRAINAGE SWALES, AND ALL OTHER TASKS AS DIRECTED BY THE OWNER OR ENGINEER.

## PAVING

1. THE PROPOSED ASPHALT PAVEMENT SHALL CONSIST OF THE SUBGRADE COURSE (AS SPECIFIED) BASE COURSE, BITUMINOUS CONCRETE BINDER COURSE, AND BITUMINOUS CONCRETE SURFACE COURSE, OF THE THICKNESS AND MATERIALS AS SPECIFIED ON THE CONSTRUCTION PLANS. PRIME COAT MATERIAL SHALL BE BITUMINOUS M.C. - 30, UNLESS SHOWN AS A BID ITEM. PRIME COAT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. ALL PAVEMENT MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE I.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION;" AND SUPPLEMENTAL SPECIFICATIONS, LATEST EDITIONS.

2. ALL DAMAGED AREAS IN THE BINDER, BASE OR CURB AND GUTTER SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND MUNICIPALITY PRIOR TO LAYING THE SURFACE COURSE. THE CONTRACTOR SHALL PROVIDE WHATEVER EQUIPMENT AND MANPOWER NECESSARY INCLUDING THE USE OF POWER BROOMS IF REQUIRED BY THE ENGINEER TO PREPARE THE PAVEMENT FOR APPLICATION OF THE SURFACE COURSE. EQUIPMENT AND MANPOWER FOR CLEANING SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. PRIME COAT FOR THE BINDER COURSE SHALL ALSO BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT AND SHALL BE APPLIED TO THE BINDER AT A RATE OF 0.3 GALLONS PER SQUARE YARD.

3. CONCRETE CURBS (& GUTTERS):
   A. ALL CURB AND GUTTER SHALL BE CONSTRUCTED WITH IDOT CLASS "SI" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS. ALL CONCRETE SHALL HAVE A MINIMUM FLEXURAL STRENGTH OF 650 PSI. ALL CONCRETE SHALL BE BROOM FINISHED.
   B. CONTRACTION JOINTS SHALL BE SAW-CUT AT 20 FOOT INTERVALS AND CAULKED WITH JOINT SEALANT.
   C. PREFORMED FIBER BOARD EXPANSION JOINTS, 3/4 INCH THICK, SHALL BE PLACED FIVE FEET EITHER SIDE OF STORM STRUCTURES IN CURB AND GUTTER, AT CURB RETURNS AND AT POINTS OF CURVATURE, AT ALL CONNECTIONS BETWEEN NEW AND EXISTING CURB AND GUTTER, AND AT 40 FOOT INTERVALS ON TANGENTS.
   D. 2-#5 DOWELS, 2 FEET LONG, SHALL BE PROVIDED AT ALL EXPANSION JOINTS AND AT CONNECTIONS BETWEEN EXISTING AND NEW CURB AND GUTTER. DOWELS SHALL BE CENTERED ON THE JOINT, (DRILLED INTO EXISTING CURB AND GUTTER), AND SHALL BE INSTALLED WITH GREASE CAPS ON ONE SIDE.
   E. THE PROPOSED CURB AND GUTTER AND PAVEMENT SHALL BE OF THE TYPE AND THICKNESS AS SPECIFIED IN THESE DRAWINGS, AND CONSTRUCTED IN CONFORMANCE WITH THE IDOT STANDARD SPECIFICATIONS PREVIOUSLY REFERENCED AND THE REQUIREMENTS OF THE GOVERNING MUNICIPALITY.
   F. DEPRESSED CURB SHALL BE PROVIDED FOR HANDICAPPED RAMPS LOCATIONS.
   G. ALL JOINTS SHALL BE SEALED WITH CONCRETE JOINT SEALANT PER NOTE 6 BELOW.

4. CONCRETE SIDEWALK (INCLUDING CURB RAMPS):
   A. ALL SIDEWALK SHALL BE CONSTRUCTED WITH IDOT CLASS "SI" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS. ALL CONCRETE SHALL HAVE A MINIMUM FLEXURAL STRENGTH OF 650 PSI. ALL CONCRETE SHALL BE LIGHTLY BROOM FINISHED.
   B. TOOLED CONTRACTION JOINTS SHALL CONSTRUCTED AT EVERY ±5', OR AS SHOWN ON PLANS. TOOLED CONTRACTION JOINTS SHALL EXTEND TO 1/4 THE DEPTH OF THE SIDEWALK AND SHALL BE 1/4 INCH IN WIDTH.
   C. PREFORMED FIBER BOARD EXPANSION JOINTS, 3/4" THICK, SHALL BE PLACED EVERY 100' AND AT ALL ABUTTING DRIVEWAYS AND CURB AND GUTTER. FOR SIDEWALK ADJACENT TO CURB, EXPANSION JOINT SPACING SHALL MATCH CURB EXPANSION JOINTS AS PRACTICAL. FIBER BOARDS SHALL BE PLACED 1/2 INCH BELOW THE FINISHED SURFACE OF THE SIDEWALK AND CAULKED WITH JOINT SEALANT, MATCHING THE COLOR OF THE SIDEWALK.
   D. PREFORMED EXPANSION JOINTS, 1/2" THICK, SHALL BE PLACED BETWEEN BUILDINGS, LIGHT POLES, TRAFFIC SIGNALS, AND OTHER RIGID STRUCTURES AND CAULKED WITH JOINT SEALANT, MATCHING THE COLOR OF THE SIDEWALK.
   E. ALL SIDEWALKS CROSSING UTILITY TRENCHES SHALL HAVE TWO #4 REINFORCING BARS, 10 FOOT LONG, CENTERED OVER TRENCH.
   F. DETECTIBLE WARNINGS SHALL CONSIST OF TRUNCATED DOMES MEETING THE REQUIREMENTS OF ADAAG AND INSTALLED AT LOCATIONS SHOWN ON PLAN AND WERE PEDESTRIANS ARE REQUIRED TO CROSS A HAZARDOUS VEHICULAR WAY. DETECTIBLE WARNINGS SHALL BE AN APPROVED COLOR CONTRASTING TO THE CURB RAMP MATERIAL AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

5. CONCRETE PAVEMENT AND DRIVE APRONS:
   A. CONCRETE PAVEMENT SHALL BE CONSTRUCTED WITH IDOT CLASS "PV" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS. IF A HIGH EARLY CONCRETE MIX IS REQUIRED TO REDUCE TRAFFIC CLOSURES, IDOT CLASS "PP" WITH PRIOR APPROVAL OF THE ENGINEER, ALL CONCRETE SHALL HAVE A MINIMUM FLEXURAL STRENGTH OF 650 PSI. ALL CONCRETE SHALL BE BROOM FINISHED.
   B. ADEQUATE CONSTRUCTION JOINTS, CONTRACTION JOINTS FOR ISOLATION JOINTS SHOULD BE PROVIDED IN THE AREAS OF RIGID PAVEMENT TO REDUCE THE IMPACTS OF CRACKING AND SHRINKAGE. PLEASE REFER TO ACI 330R-01 GUIDE FOR DESIGN OF CONCRETE PARKING LOTS.
   C. CONCRETE PAVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 420 OF THE I.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," AND SUPPLEMENTAL SPECIFICATIONS, LATEST EDITIONS.
   D. ALL JOINTS, WITH THE EXCEPTION OF SAWED JOINTS, SHALL BE SEALED WITH CONCRETE JOINT SEALANT PER NOTE 6 BELOW.

6. CURING AND PROTECTION OF ALL CONCRETE SHALL BE IN CONFORMANCE WITH SECTION 1020.13 OF THE IDOT STANDARD SPECIFICATIONS, PREVIOUSLY REFERENCED.

7. CONCRETE JOINT SEALANT SHALL BE POURTHANE SL, SIKAFLEX 1C SL OR APPROVED EQUAL, MATCHING THE COLOR OF THE CONCRETE.

8. THE PAVING CONTRACTOR IS RESPONSIBLE FOR THE FINAL SUBGRADE PREPARATION, THE PAVEMENT BASE, BINDER, AND SURFACE, AND ALL FINAL CLEAN-UP AND RELATED WORK ASSOCIATED WITH THE PAVING OPERATIONS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CORING, TESTING, AND PAVEMENT EVALUATION FOR ACCEPTANCE AT HIS OWN EXPENSE. THE CONTRACTOR SHALL INCLUDE THIS AS A SEPARATE BID ITEM OR ELSE IT WILL BE ASSUMED THAT THIS COST HAS BEEN FIGURED INTO THE COST FOR THE PAVING ITEMS. ALL TESTING RESULTS SHALL BE MADE AVAILABLE TO THE ARCHITECT/ENGINEER FOR REVIEW.

10. IDOT APPROVED, RECYCLED CONCRETE CA-6, MAY BE SUBSTITUTED FOR CA-6 CRUSHED STONE AGGREGATE FOR PAVEMENT AND SIDEWALK SUBBASE MATERIALS.

## STANDARD UTILITY PROVISIONS

1. ALL UTILITY CONSTRUCTION WORK SHALL GOVERNED BY:
   - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION. (STANDARD SPECIFICATIONS)
   - TITLE 35 ILLINOIS EPA REQUIREMENTS
   - PART 890 ILLINOIS PLUMBING CODE REQUIREMENTS
   - SANITARY DISTRICT REQUIREMENTS
   - MUNICIPAL/LOCAL REQUIREMENTS
   - ROADWAY AUTHORITIES REQUIREMENTS

2. ALL UTILITY TRENCHES UNDER AND WITHIN TWO FEET OF PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC, SHALL BE BACKFILLED WITH CA-6 CRUSHED STONE (GRADE B OR 9), COMPACTED IN 8" LIFTS TO 95% OF MODIFIED PROCTOR, PER ASTM D-1557.

3. UTILITY CONNECTIONS WITHIN THE STREET RIGHT OF WAY SHALL BE ACCOMPLISHED BY SAW CUTTING AND REMOVING EXISTING PAVEMENT, BACKFILL AND RESTORATION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STREET JURISDICTIONAL AUTHORITY.

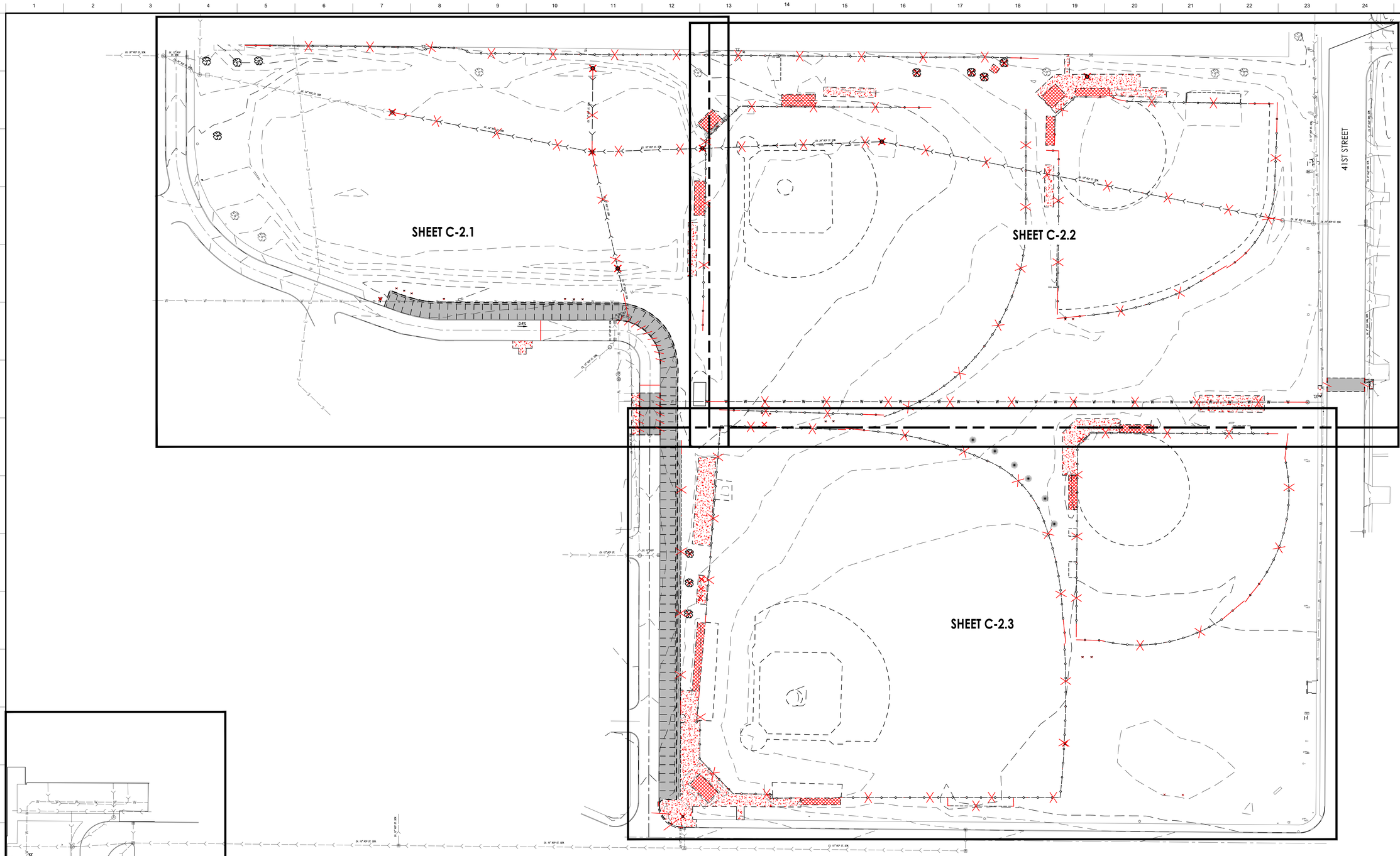
4. THE UNDERGROUND CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, SHALL REMOVE AND DISPOSE OF OFFSITE ANY EXCESS DIRT OR MATERIALS.

5. "BAND/SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE OR DISSIMILAR MATERIALS.

6. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER MAIN AND ANY SEWERS WHEN THEY ARE PARALLEL. WHENEVER A SEWER CROSSES A WATER MAIN, A MINIMUM VERTICAL DISTANCE OF 18 INCHES MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE PIPES, AND THE SEWER JOINTS ARRANGED SO THEY ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHEN IT IS NECESSARY FOR A SEWER TO CROSS OVER THE TOP OF A WATER MAIN WITH 18" SEPARATION, OR THE SEWER CROSSES UNDER THE WATERMAIN WITH LESS THAN 18" VERTICAL SEPARATION, OR 10' HORIZONTAL SEPARATION IS NOT MAINTAINED, THEN THE FOLLOWING METHOD MUST ALSO BE CONSTRUCTED:
   A. THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER MAIN PIPE FOR THE LENGTH OF THE INADEQUATE HORIZONTAL SEPARATION OR FOR A DISTANCE OF TEN (10) FEET EITHER SIDE OF A CROSSING AND SHALL BE PRESSURE-TESTED TO INSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
   B. FOR A STORM SEWER CROSSING, THE RCP STORM SEWER(ASTM C-361) SHALL BE CONSTRUCTED WITH O-RING GASKETED JOINTS (C-443) FOR A DISTANCE OF TEN (10) FEET EITHER SIDE OF A CROSSING.

7. ALL CAST AND DUCTILE IRON PIPE AND FITTINGS SHALL BE ENCASED IN A 8-MIL POLYETHYLENE TUBING. THE TUBING SHALL COMPLY WITH THE AMERICAN NATIONAL STANDARD FOR POLYETHYLENE ENCASEMENT FOR GRAY AND DUCTILE IRON PIPING ANSI/AWWA C105/72/A21.5 OR AS REVISED. INSTALLATION PROCEDURES SHALL BE THOSE AS RECOMMENDED BY THE CAST IRON PIPE RESEARCH ASSOCIATION.

8. ALL MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS SHALL BE CONSTRUCTED OF REINFORCED PRECAST CONCRETE RING CONSTRUCTION WITH TONGUE AND GROOVE JOINTS IN CONFORMANCE WITH THE LATEST REVISION OF ASTM C-478. ALL STRUCTURE SECTIONS AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO EACH OTHER AND TO CASTING US




**LEGEND:**

- SAWCUT LINE
- LINEAR ITEM REMOVAL
- ITEM REMOVAL
- LINEAR CURB REMOVAL
- EXISTING BUILDING / FOUNDATION REMOVAL
- FULL-DEPTH CONCRETE PAVEMENT/SIDEWALK REMOVAL
- FULL-DEPTH ASPHALT PAVEMENT REMOVAL

GRAPHIC SCALE

40 0 20 40 80

( IN FEET )

1 inch = 40 ft.

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Moline - Coal Valley School District

# BASEBALL & SOFTBALL COMPLEX RENOVATION

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| PROJECT NUMBER | 0498.6992C |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | AQ |
| REVIEWED BY | MM |

OVERALL EXISTING CONDITIONS & DEMOLITION PLAN

# C-2.0

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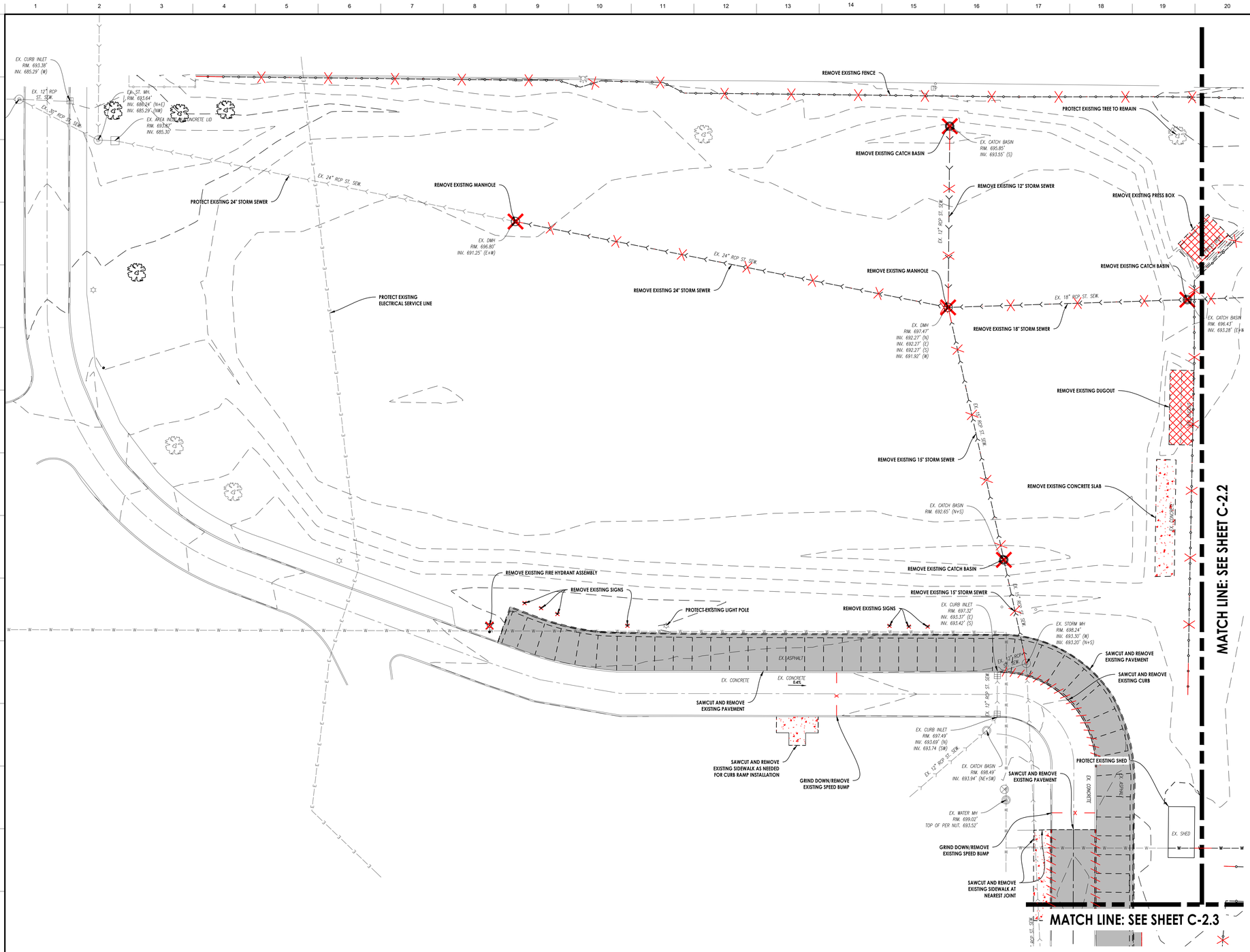


## NOTES:

1. SITE ACCESS CONTROL INCLUDING SAFETY FENCES AND TRAFFIC CONTROL, ALL CONSTRUCTION MEANS AND METHODS, AND SITE SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.
3. ALL SITE CLEARING, TOPSOIL STRIPPING, EXCAVATION, EMBANKMENT, GRADING, COMPACTION, SUB GRADE PREPARATION AND OTHER WORK HEREIN CONTEMPLATED SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK IN THE CONSTRUCTION AREA. EXCAVATION IN THE VICINITY OF EXISTING STRUCTURES AND UNDERGROUND UTILITIES SHALL BE PERFORMED BY HAND. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING FACILITIES, MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR IS TO UNCOVER ALL LINES BEING TIED INTO AND VERIFY SIZE AND ELEVATION BEFORE ANY CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL STREET AND SIDEWALK CLOSURES WITH THE MUNICIPALITY.
7. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS AND SPOILS TO INSURE MINIMAL INTERFERENCE WITH OWNER OPERATIONS.
8. ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION. REMOVE FROM SITE ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FORM DEMOLITION AND LAWFULLY DISPOSE OF SAME.
9. ALL ITEMS TO BE REMOVED SHALL BE PROPERLY AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
10. AT LOCATIONS OF UTILITY REMOVAL, ANY OPEN TRENCHES REQUIRED, SHALL BE BACKFILLED WITH COMPACTED TRENCH BACKFILL.
11. NOTIFY UTILITY OWNER 72 HOURS IN ADVANCE OF ANY UTILITY SHUTDOWN.
12. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ALL ITEMS DESIGNATED TO BE REMOVED OR RELOCATED.
13. IF ANY ITEMS ARE ENCOUNTERED IN THE FIELD THAT ARE NOT SHOWN ON THE PLAN WHICH REQUIRE DEMOLITION OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE A/E IMMEDIATELY.
14. THE SURVEY BASE PROVIDED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. THE OWNER, ARCHITECT & ENGINEER(S) ARE NOT RESPONSIBLE FOR ANY MISCHARTED OR UNCHARTED UTILITIES, OR OTHER DISCREPANCIES DETECTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SITE CONDITIONS.
15. THE CONTRACTOR WILL PROTECT ALL UTILITIES, STREETS, STRUCTURES, VEGETATION, AND ADJACENT PROPERTY DESIGNATED TO REMAIN. ANY DAMAGE BY THE CONTRACTOR TO UTILITIES, STREETS, STRUCTURES, VEGETATION AND ADJACENT PROPERTY WILL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
16. THE CONTRACTOR WILL PAY ALL REQUISITE FEES TO THE MUNICIPALITY, AND ANY OTHER AGENCY REQUIRED, FOR COMPLETION OF DEMOLITION WORK.
17. CONTRACTOR TO ADJUST RIMS OF EXISTING STRUCTURES WITHIN SCOPE OF WORK TO FINAL GRADE ELEVATIONS.
18. EXISTING LATERAL CONNECTIONS FOR UTILITIES SHALL BE COORDINATED WITH THE CORRESPONDING UTILITY COMPANY FOR CAPPING AND CUT OFF WITHIN THE SCOPE OF WORK.
19. THE CONTRACTOR IS TO COMPLY WITH FEDERAL, STATE, AND LOCAL ORDINANCES WITH REGARD TO REMOVAL AND DISPOSAL OF MATERIALS FOR ALL ITEMS TO BE DEMOLISHED. WORK INCLUDES THE COMPLETE REMOVAL AND LEGAL DISPOSAL OF ALL OBJECTS AND MATERIALS (REGARDLESS OF THEIR NATURE) INCLUDING BUT NOT LIMITED TO TREE ROOTS, ORGANIC SOIL, DRUMS, TIRES, WOOD, BROKEN CONCRETE PIECES, AND FENCES ABOVE THE REQUIRED ELEVATION.
20. BURNING ON OWNERS PROPERTY IS NOT PERMITTED.
21. FULL DEPTH SAWCUTS ARE REQUIRED FOR PAVEMENT REMOVALS, ADJACENT TO EXISTING PAVEMENT TO REMAIN.
22. SAWCUT ALL TREE ROOTS ENCOUNTERED IN LIEU OF USING SHOVELS (HAND SHOVELS OR MECHANICAL). SEE LANDSCAPE PLANS FOR TREE PROTECTION REQUIREMENTS.
23. POLES, BUILDING, FENCE, STORAGE, ETC. FOUNDATIONS SHALL BE COMPLETELY REMOVED BELOW GRADE TYP.
24. UTILITIES TO BE CAPPED AND FILLED WITH CONTROLLED LOW STRENGTH MATERIAL.
25. EXISTING STORM SEWER TO BE MAINTAINED UNTIL BYPASS STORM SEWER IS INSTALLED AND FUNCTIONING.

## LEGEND:

- SAWCUT LINE
- LINEAR ITEM REMOVAL
- ITEM REMOVAL
- LINEAR CURB REMOVAL
- EXISTING BUILDING / FOUNDATION REMOVAL
- FULL-DEPTH CONCRETE PAVEMENT/SIDEWALK REMOVAL
- FULL-DEPTH ASPHALT PAVEMENT REMOVAL

GRAPHIC SCALE
20 0 10 20 40
( IN FEET )
1 inch = 20 ft.


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# BASEBALL & SOFTBALL COMPLEX RENOVATION

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| PROJECT NUMBER | 0498.6992C |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | AQ |
| REVIEWED BY | MM |

EXISTING CONDITIONS & DEMOLITION PLAN

C-2.1

ISSUED FOR REBID

REMOVE EXISTING FENCE
REMOVE EXISTING SHED
REMOVE EXISTING TREE
REMOVE EXISTING TREES
REMOVE EXISTING DUGOUT
REMOVE EXISTING CONCRETE SLAB
EX. CONCRETE
REMOVE EXISTING FENCE (TYP.)
PROTECT EXISTING TREE TO REMAIN
EX. CATCH BASIN
RIM. 702.14'
INV. 700.14" (SILTED)
(NO VISIBLE PIPES)
REMOVE EXISTING CATCH BASIN
REMOVE EXISTING SIDEWALK
PROTECT EXISTING TREES TO REMAIN
REMOVE EXISTING PRESS BOX
REMOVE EXISTING DUGOUT
PROTECT EXISTING TREE TO REMAIN
EX. SAN. MH.
RIM. 703.36'
INV. 698.66" (N)
INV. 698.46" (E)
INV. 698.56" (S)
EX. 8" CLAY SAN. SEW.
EX. 12" RCP ST. SEW.
41ST STREET
REMOVE EXISTING 24" STORM SEWER
EX. 24" RCP ST. SEW.
EX. "K" PLASTIC AREA DRAIN
RIM. 698.65'
INV. 694.80" (E+W)
REMOVE EXISTING PLASTIC AREA DRAIN
EX. CATCH BASIN
RIM. 696.43'
INV. 693.28" (E+W)
REMOVE EXISTING 18" STORM SEWER
EX. 18" RCP ST. SEW.
REMOVE EXISTING CONCRETE SLAB
EX. 18" RCP ST. SEW.
EX. 24" RCP ST. SEW.
EX. CATCH BASIN
RIM. 701.70'
INV. 699.00" (E+W)
PROTECT EXISTING CATCH BASIN
EX. ST. MH.
RIM. 703.22'
INV. 699.42" (E+W)
INV. 699.92" (N)
MATCH LINE: SEE SHEET C-2.1
REMOVE EXISTING FENCE (TYP.)
REMOVE EXISTING SCOREBOARD, SALVAGE AND RETURN TO OWNER
SAWCUT AND REMOVE EXISTING PAVEMENT AT NEAREST JOINT LINE AS NEEDED FOR SANITARY SEWER INSTALLATION. REFER TO CITY OF MOLINE STANDARD PAVEMENT PATCHING DETAIL ON SHEET C-7.0
EX. SAN. MH.
RIM. 704.14'
INV. 700.14" (N)
INV. 700.24" (S)
INV. 700.34" (SE)
EX. SHED
REMOVE EXISTING SCOREBOARDS, SALVAGE AND RETURN TO OWNER
REMOVE EXISTING 8" WATER MAIN
EX. 8" WATERMAIN
REMOVE EXISTING BATTING CAGE AND CONCRETE SLAB
SAWCUT AND REMOVE EXISTING SIDEWALK AT NEAREST JOINT AS NEEDED FOR SANITARY SEWER INSTALLATION
EX. CONCRETE
EX. WATER MH
RIM. 704.49'
TOP OF PER NUT. 700.14'
EX. WATER MH
RIM. 703.93'
TOP OF PER NUT. 701.58'
REMOVE EXISTING FOUL POLE
REMOVE EXISTING SIDEWALK
REMOVE EXISTING DUGOUT
EX. CONCRETE
MATCH LINE: SEE SHEET C-2.3

**LEGEND:**

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| PROJECT NUMBER | 0498.6992C |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | AQ |
| REVIEWED BY | MM |

EXISTING CONDITIONS & DEMOLITION PLAN

C-2.2
ISSUED FOR REBID

MATCH LINE: SEE SHEET C-2.2

SAWCUT AND REMOVE EXISTING PAVEMENT

SAWCUT AND REMOVE EXISTING SIDEWALK AT NEAREST JOINT

REMOVE EXISTING RETAINING WALL

REMOVE EXISTING BATTING CAGE AND ASSOCIATED CONCRETE SLAB

PROTECT EXISTING TREES TO REMAIN

REMOVE EXISTING TREES

REMOVE EXISTING PICNIC TABLES AND ASSOCIATE CONCRETE SLAB. STORE TABLES AT DIRECTION OF OWNER

REMOVE EXISTING DUGOUT

REMOVE EXISTING STAIRS AND HANDRAILS

REMOVE EXISTING FENCE (TYP.)

REMOVE EXISTING PRESS BOX

REMOVE EXISTING DUGOUT

REMOVE EXISTING SIDEWALK

REMOVE EXISTING DUGOUT

REMOVE EXISTING FENCE (TYP.)

REMOVE EXISTING SCOREBOARD. SALVAGE AND RETURN TO OWNER

REMOVE EXISTING FENCE (TYP.)

REMOVE EXISTING FOUL POLE

REMOVE EXISTING GOAL POSTS

PROTECT EXISTING MONUMENT SIGN TO REMAIN

REMOVE EXISTING RETAINING WALL

SAWCUT AND REMOVE EXISTING CURB

REMOVE EXISTING LIGHT POLE

SAWCUT AND REMOVE EXISTING SIDEWALK

EX. SIDEWALK

EX. CURB INLET RIM. 700.64' INV. 697.64' (S)

EX. CURB INLET RIM. 702.40' INV. 699.60' (S)

EX. CONCRETE

EX. 15" RCP ST.

EX. 12" RCP ST.

EX. 24" RCP ST.

EX. WATER RIM. 705.1 TOP OF HY

41ST STREET

**LEGEND:**

- SAWCUT LINE
- LINEAR ITEM REMOVAL
- ITEM REMOVAL
- LINEAR CURB REMOVAL
- EXISTING BUILDING / FOUNDATION REMOVAL
- FULL-DEPTH CONCRETE PAVEMENT/SIDEWALK REMOVAL
- FULL-DEPTH ASPHALT PAVEMENT REMOVAL

GRAPHIC SCALE

20 0 10 20 40

( IN FEET )

1 inch = 20 ft.

LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District

# BASEBALL & SOFTBALL COMPLEX RENOVATION

3600 Avenue of the Cities
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EXISTING CONDITIONS & DEMOLITION PLAN

C-2.3

ISSUED FOR REBID

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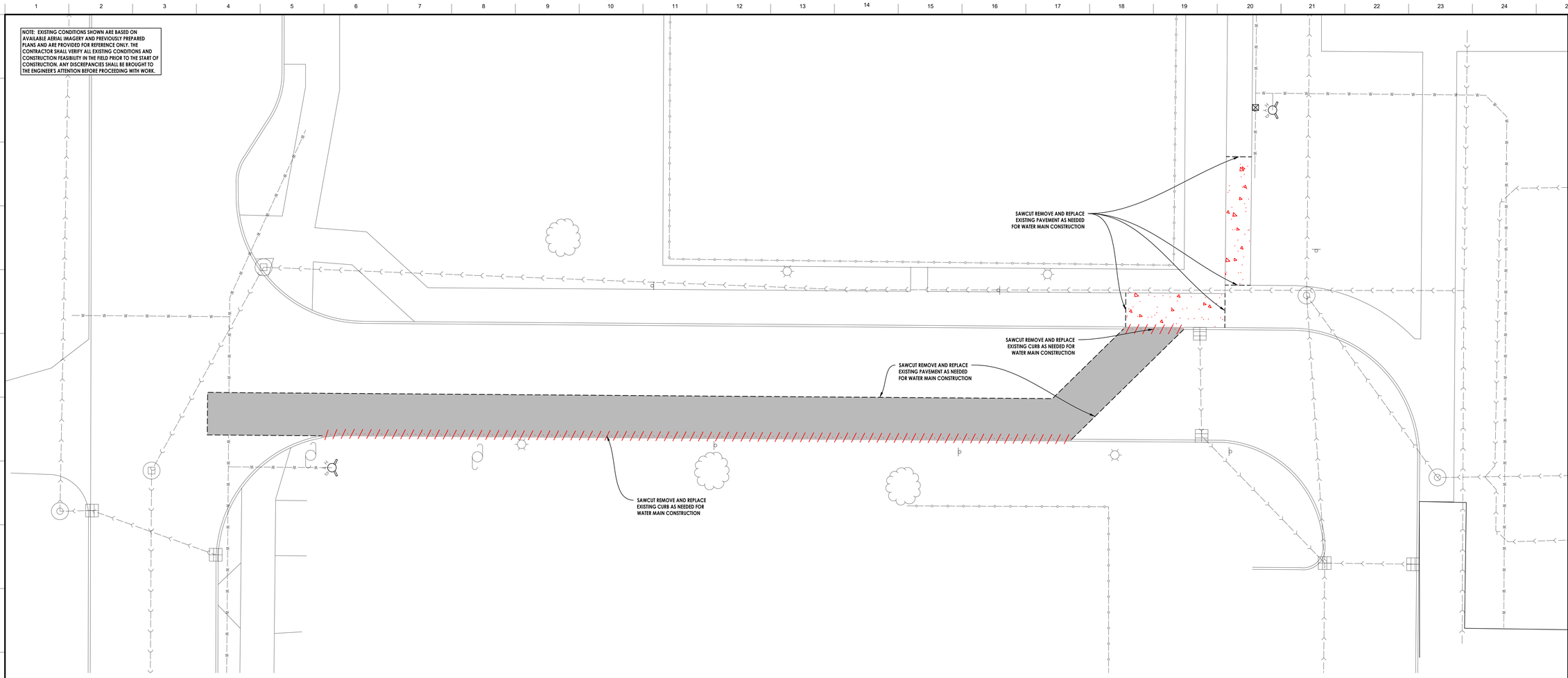


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- SAWCUT LINE
- LINEAR ITEM REMOVAL
- ITEM REMOVAL
- LINEAR CURB REMOVAL
- EXISTING BUILDING / FOUNDATION REMOVAL
- FULL-DEPTH CONCRETE PAVEMENT/SIDEWALK REMOVAL
- FULL-DEPTH ASPHALT PAVEMENT REMOVAL

GRAPHIC SCALE

10 0 5 10 20

( IN FEET )

1 inch = 10 ft.

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EXISTING CONDITIONS & DEMOLITION PLAN

C-2.4

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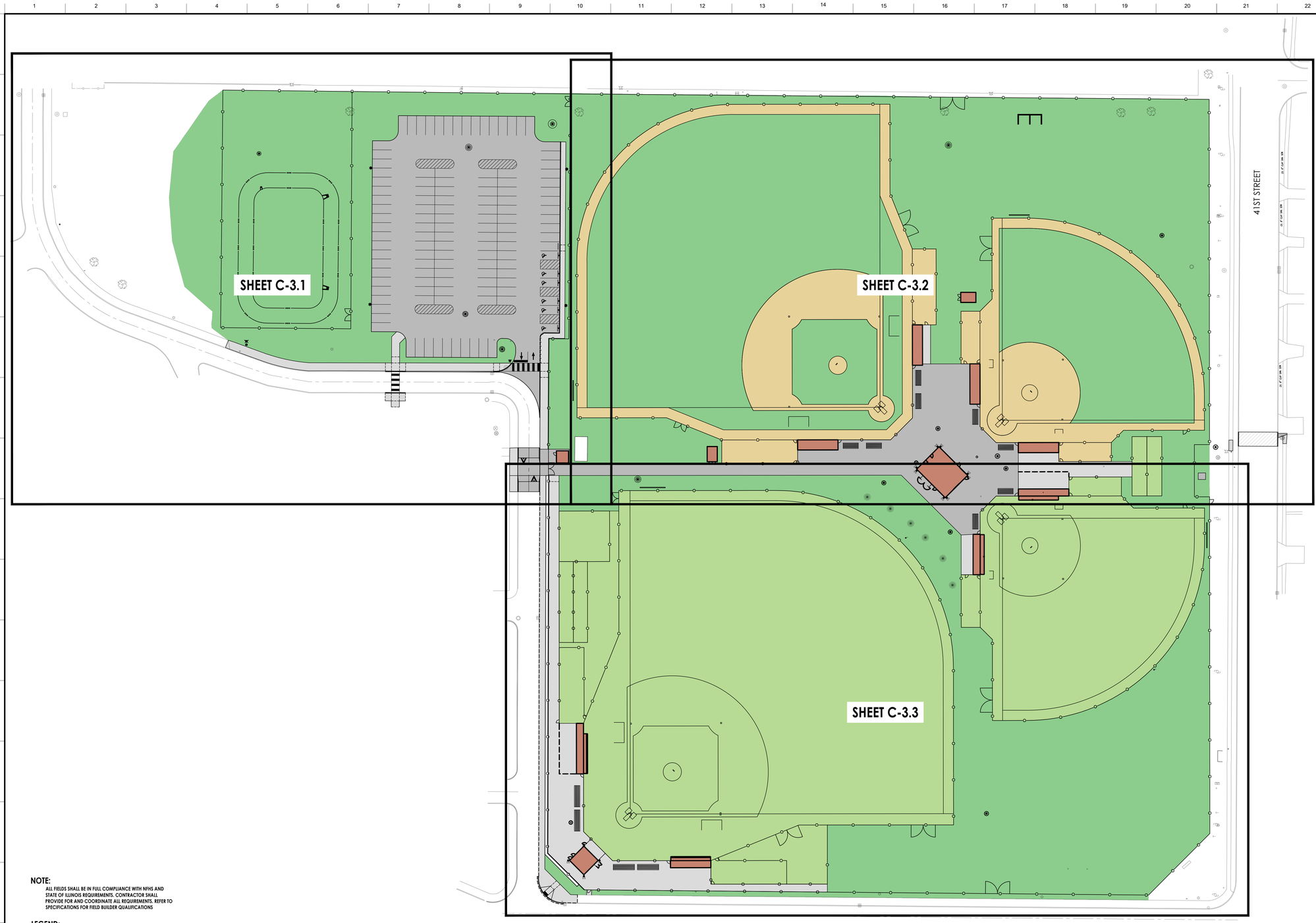


**NOTE:**

ALL FIELDS SHALL BE IN FULL COMPLIANCE WITH NFHS AND STATE OF ILLINOIS REQUIREMENTS. CONTRACTOR SHALL PROVIDE FOR AND COORDINATE ALL REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIELD BUILDER QUALIFICATIONS

**LEGEND:**

- ADA TRUNCATED DOMES
- EXISTING INTEGRAL CURB AND GUTTER
- EXISTING CURB AND GUTTER - DEPRESSED
- B6.12 CURB AND GUTTER UNLESS NOTED OTHERWISE
- B6.12 CURB AND GUTTER - DEPRESSED
- B6.12 CURB AND GUTTER - TRANSITION (ZERO TO FULL HEIGHT)
- SAWCUT LINE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED PAVEMENT PATCH
- PROPOSED TURF
- PROPOSED NATURAL GRASS
- PROPOSED BASEBALL/SOFTBALL INFIELD DIRT
- PROPOSED BUILDING STRUCTURE

GRAPHIC SCALE

40 0 20 40 80

( IN FEET )

1 inch = 40 ft.

LEGAT ARCHITECTS

Design with a Difference

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OVERALL CIVIL SITE PLAN

C-3.0

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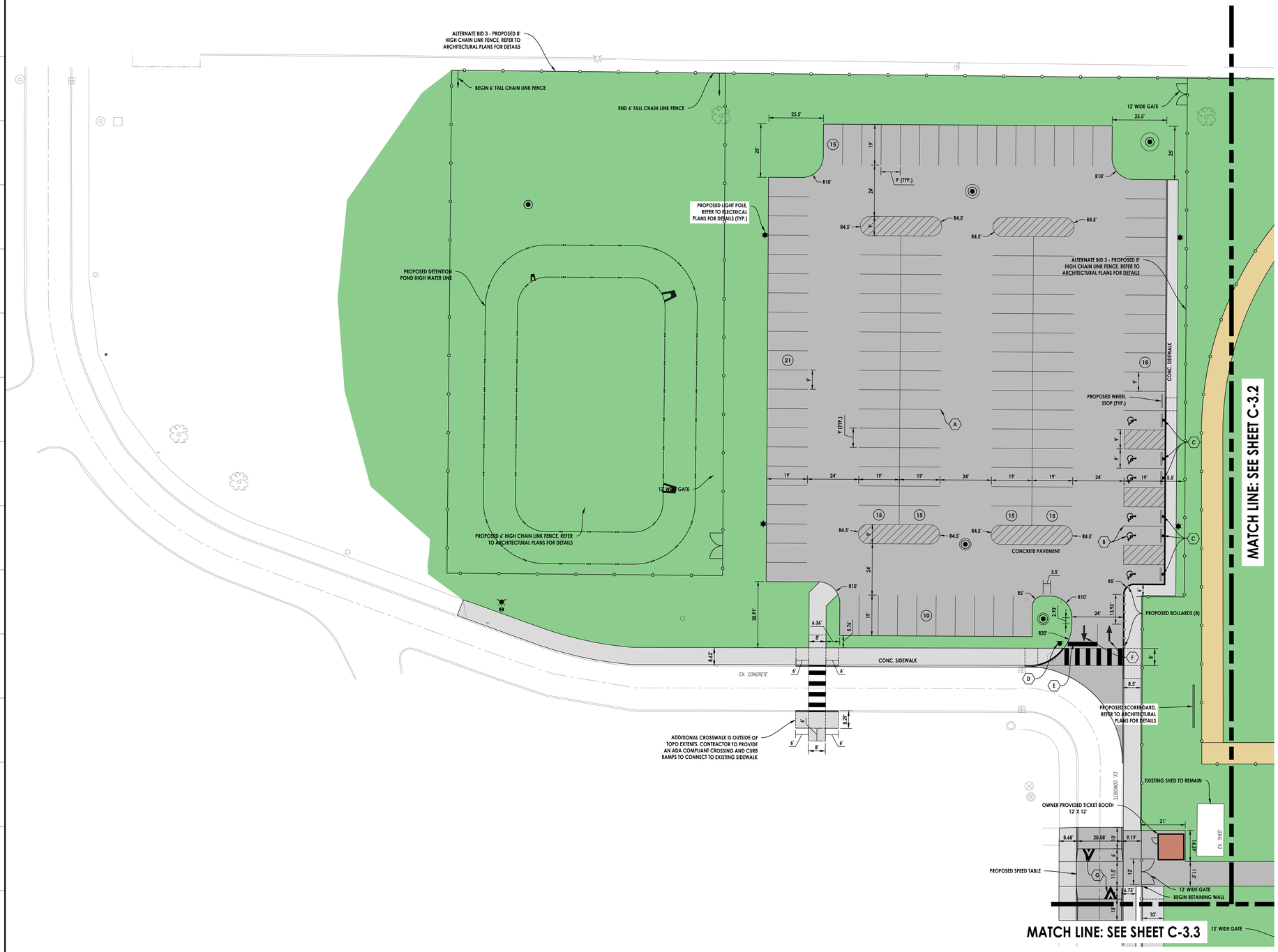


## NOTES:

1. ALL DIMENSIONS ALONG CURB LINES ARE TO FACE OF CURB, UNLESS NOTED OTHERWISE.
2. BUILDINGS AND ADJACENT TO BUILDING IMPROVEMENTS SHOWN ON THESE PLANS ARE BASED UPON THE BUILDING PLANS PROVIDED BY OTHERS AT THE DATE OF THESE PLANS BEING PREPARED. BUILDING PLANS NORMALLY CONTINUE TO CHANGE AFTER SITE PLANS HAVE BEEN APPROVED. THEREFORE THE CONTRACTOR SHALL USE THE BUILDING PLANS FOR FINAL BUILDING IMPROVEMENTS, AND VERIFY THAT ALL ADJACENT IMPROVEMENTS ARE CONSISTENT WITH THE DESIGN INTENT AND REQUIREMENTS OF THE SITE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF CLARIFICATION IS NEEDED, OR IF CONFLICTS OR INCONSISTENCIES EXIST.
3. ADA DETECTIBLE WARNING STRIPS SHALL BE CAST IRON TILES, WET SET INTO CONCRETE SURFACE, PER MANUFACTURERS INSTALLATION RECOMMENDATIONS.
4. TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY ABBITT SURVEY AND DEVELOPMENT, PLLC.

## (X) SIGNING AND STRIPING SCHEDULE

A. 4" YELLOW STRIPING
B. YELLOW HANDICAP PARKING STRIPING (SEE DETAIL)
C. "ACCESSIBLE" PARKING STALL SIGN ASSEMBLY ($350 FINE)
D. "STOP" SIGN R1-1 (30"X30")
E. 24" WHITE STOP BAR
F. DIRECTIONAL ARROW
G. 12" SOLID WHITE THERMOPLASTIC.

STRIPING NOTE: ON-SITE PAVEMENT MARKINGS AND GRAPHICS SHALL CONSIST OF TWO (2) COATS OF TRAFFIC-RATED PAINT APPLIED A MINIMUM OF 30 DAYS APART. STRIPING AND GRAPHICS AT ENTRY DRIVES SHALL BE THERMOPLASTIC AS NOTED. MATERIALS SHALL MEET DEPARTMENT OF TRANSPORTATION STANDARDS.

## (X) PARKING SUMMARY

| | EXISTING | PROPOSED |
|---|---|---|
| REGULAR STALLS (9'x18') | 85 | 118 |
| ACCESSIBLE STALLS (16'x18') | 0 | 6 |
| TOTAL STALL COUNT | 85 | 124 |

## LEGEND:

- ADA TRUNCATED DOMES
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- EXISTING CURB AND GUTTER - DEPRESSED
- INTEGRAL CURB AND GUTTER UNLESS NOTED OTHERWISE
- INTEGRAL CURB AND GUTTER - DEPRESSED
- INTEGRAL CURB AND GUTTER - TRANSITION (ZERO TO FULL HEIGHT)
- SAWCUT LINE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED PAVEMENT PATCH
- PROPOSED TURF
- PROPOSED NATURAL GRASS
- PROPOSED BASEBALL/SOFTBALL INFIELD DIRT
- PROPOSED BUILDING STRUCTURE

GRAPHIC SCALE
20 0 10 20 40
( IN FEET )
1 inch = 20 ft.


LEGAT ARCHITECTS
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# BASEBALL & SOFTBALL COMPLEX RENOVATION

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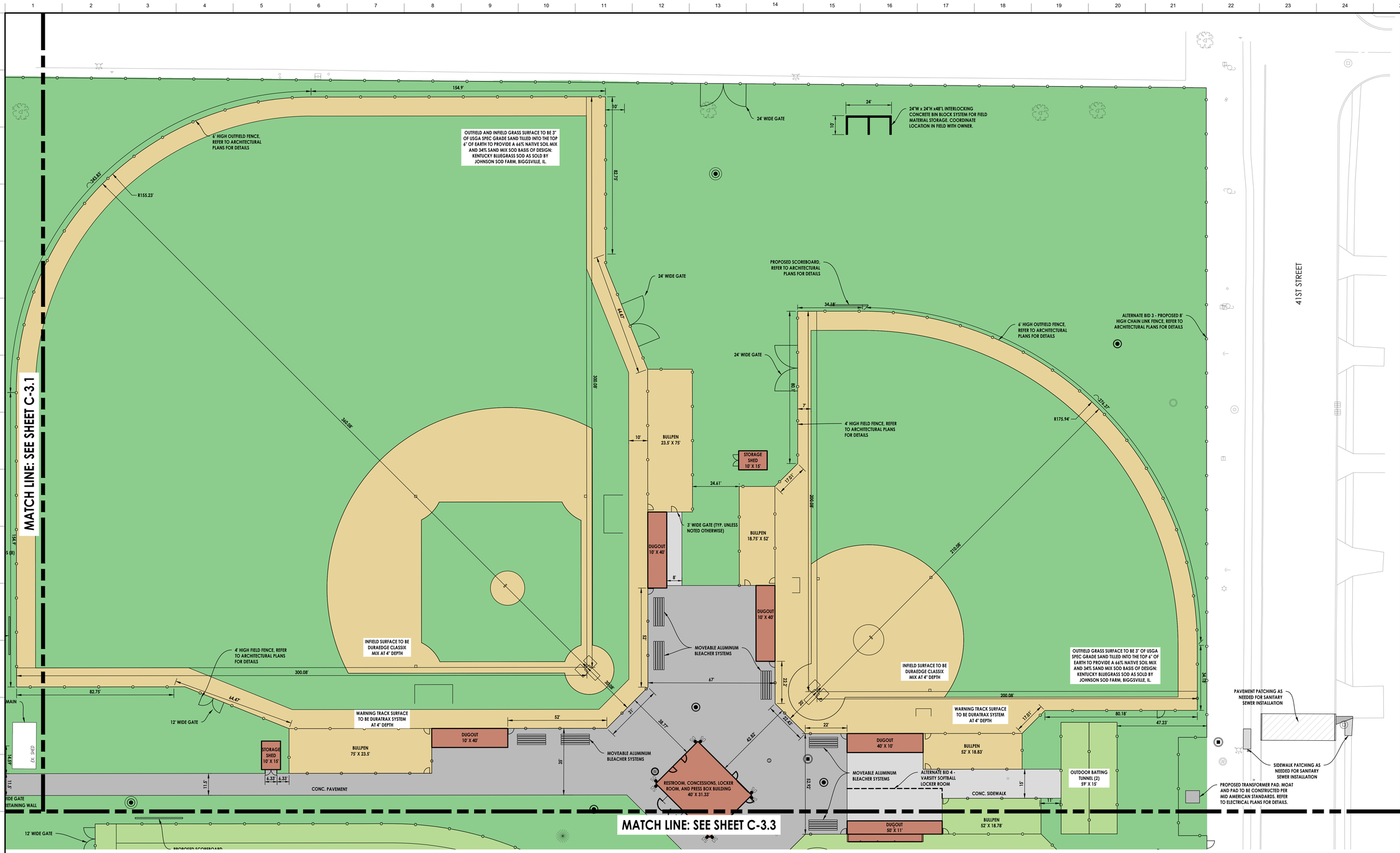
CIVIL SITE PLAN

C-3.1
ISSUED FOR REBID

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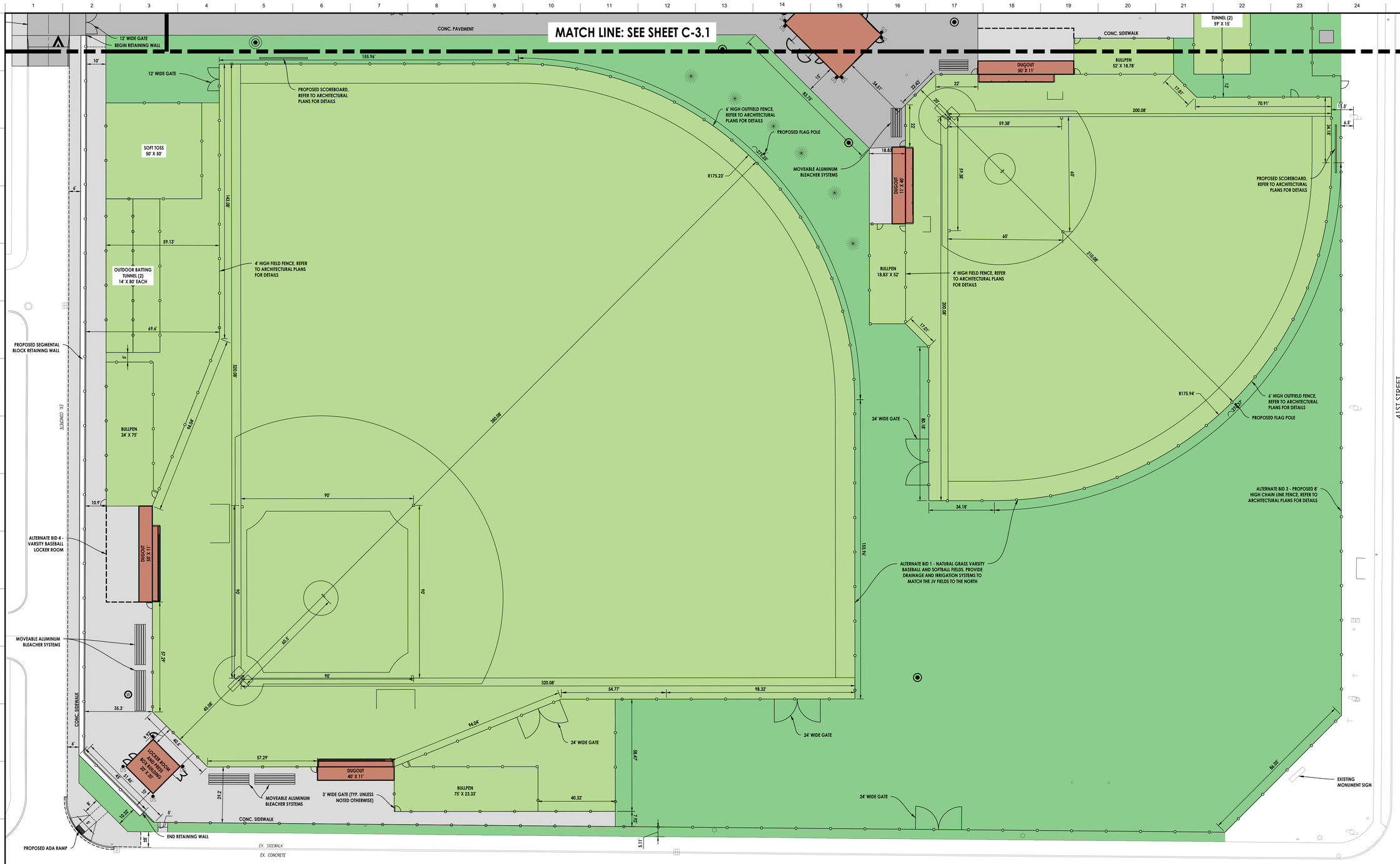
CIVIL SITE PLAN

C-3.2
ISSUED FOR REBID

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CIVIL SITE PLAN

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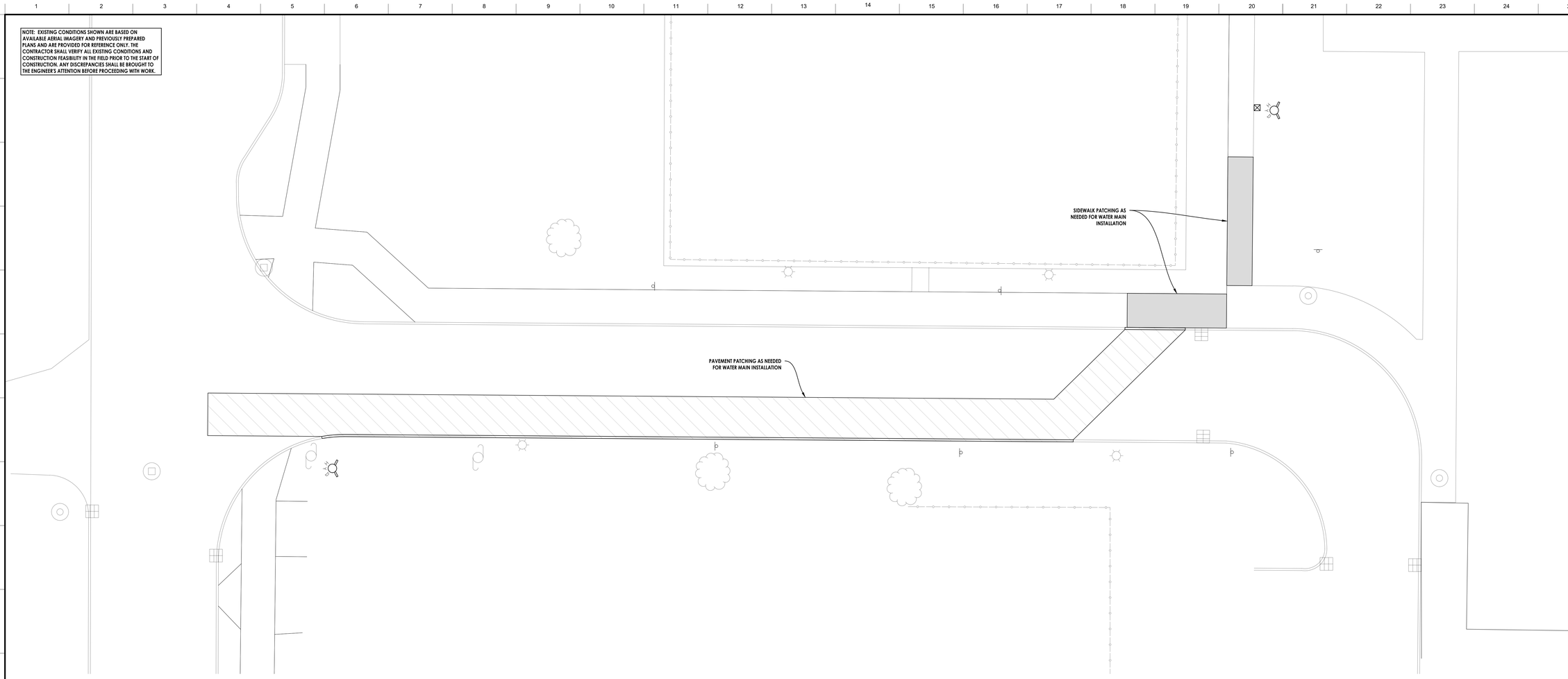


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GRAPHIC SCALE
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( IN FEET )
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CIVIL SITE PLAN

C-3.4

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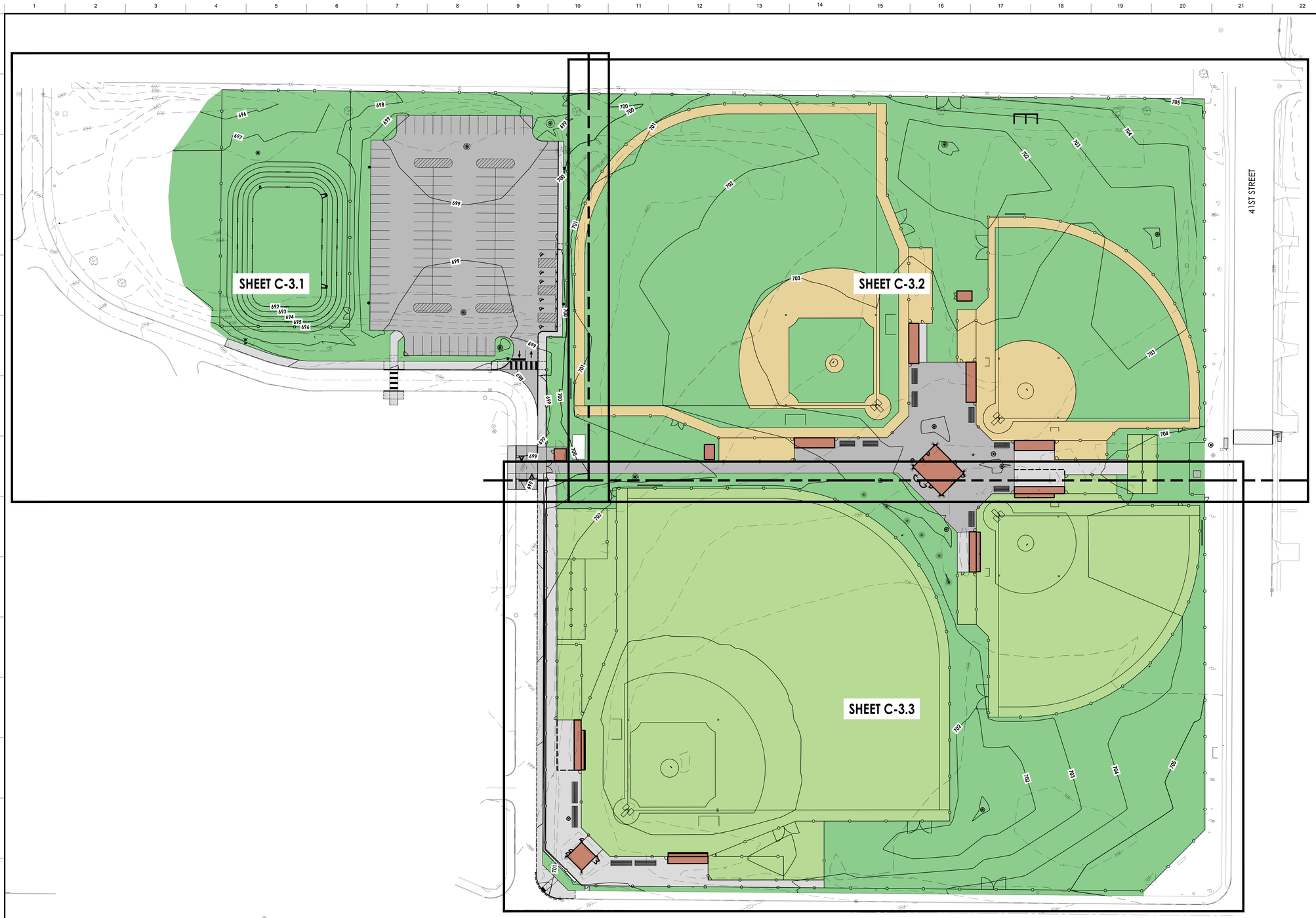


GRAPHIC SCALE
40 0 20 40 80
( IN FEET )
1 inch = 40 ft.

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OVERALL GRADING PLAN

# C-4.0

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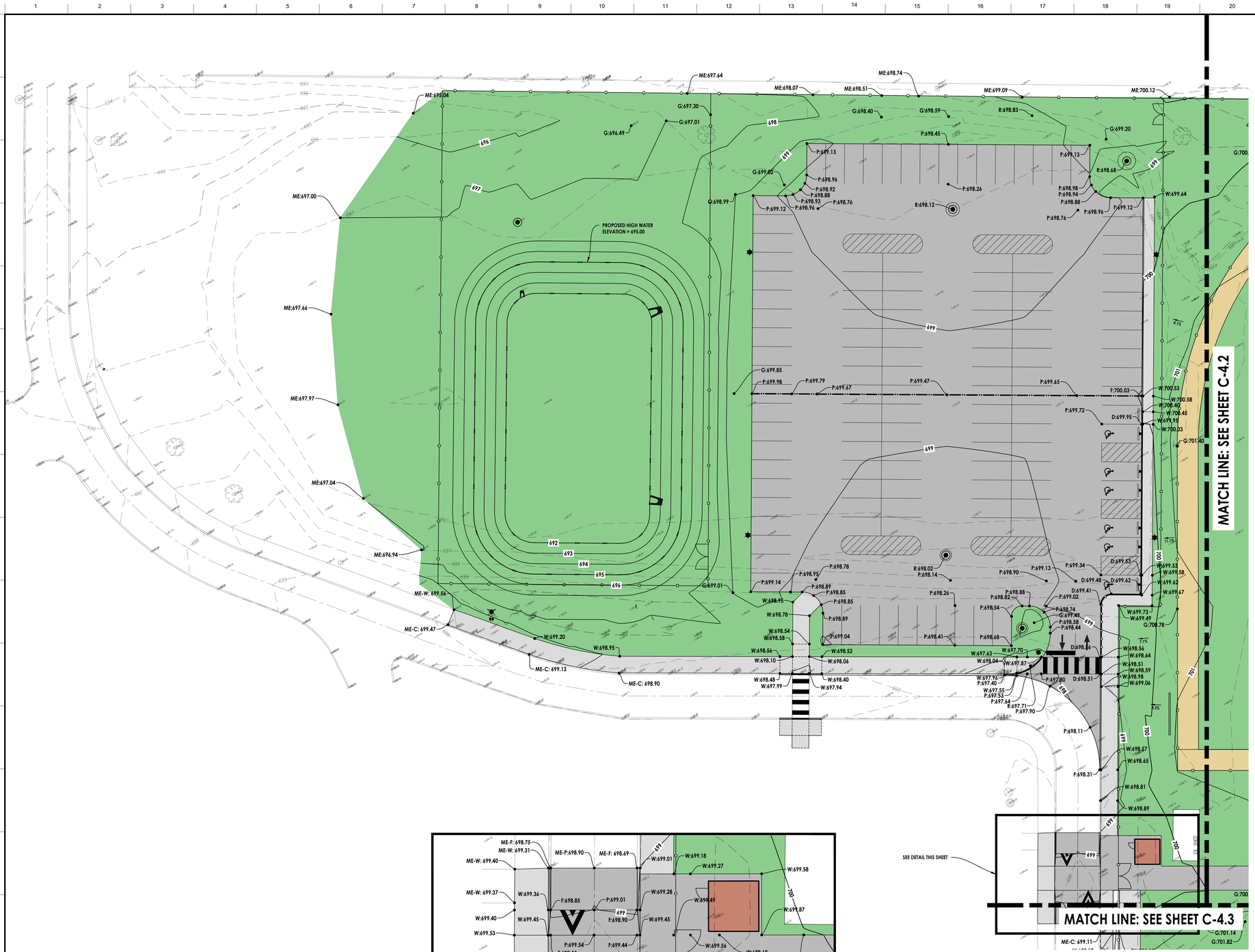




**GRADING DETAIL**
SCALE: 1" = 10'

**NOTES:**

1. PROPOSED ELEVATIONS SHOWN ON PROPOSED CURB LINES ARE FLOW LINE ELEVATIONS UNLESS NOTED OTHERWISE. ADD 0.50' TO OBTAIN TOP OF CURB ELEVATIONS.
2. A CONSTANT SLOPE SHALL BE MAINTAINED BETWEEN SPOT GRADES.
3. 2% MINIMUM SLOPE AND 3:1 MAXIMUM SLOPE IN TURF AREAS AND 1% MINIMUM SLOPE AND 5% MAXIMUM SLOPE IN PAVED AREAS.
4. RIM GRADES ALONG CURBS ARE FLOW LINE ELEVATIONS.
5. TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY ABBITT SURVEY AND DEVELOPMENT, PLLC.

**LEGEND:**

| | EXISTING | PROPOSED |
|---|---|---|
| 1 FOOT CONTOUR | | |
| 5 FOOT CONTOUR | | |
| GRADE | + 0.00 | 0.00 |
| RIDGE LINE | | |
| TOP OF CURB | | C:XX.XX |
| TOP OF WALK | | W:XX.XX |
| TOP OF PAVEMENT | | P:XX.XX |
| FLOW LINE @ DEPRESSED CURB | | D:XX.XX |
| FLOW LINE | | F:XX.XX |
| EDGE OF PAVEMENT | | E:XX.XX |
| FINISHED GROUND | | G:XX.XX |
| RIM GRADE | | R:XX.XX |
| MATCH EXISTING | | ME:XX.XX |
| FINISHED FLOOR | | FF:XX.XX |
| FLOW ARROW | | |
| OVERFLOW | | |

GRAPHIC SCALE
20 0 10 20 40
( IN FEET )
1 inch = 20 ft.


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| DRAWN BY | AQ |
| REVIEWED BY | MM |

GRADING PLAN

# C-4.1

ISSUED FOR REBID

MATCH LINE: SEE SHEET C-4.1

MATCH LINE: SEE SHEET C-4.3

41ST STREET

## NOTES:

1. PROPOSED ELEVATIONS SHOWN ON PROPOSED CURB LINES ARE FLOW LINE ELEVATIONS UNLESS NOTED OTHERWISE. ADD 0.50' TO OBTAIN TOP OF CURB ELEVATIONS.
2. A CONSTANT SLOPE SHALL BE MAINTAINED BETWEEN SPOT GRADES.
3. 2% MINIMUM SLOPE AND 3:1 MAXIMUM SLOPE IN TURF AREAS AND 1% MINIMUM SLOPE AND 5% MAXIMUM SLOPE IN PAVED AREAS.
4. RIM GRADES ALONG CURBS ARE FLOW LINE ELEVATIONS.
5. TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY ABBITT SURVEY AND DEVELOPMENT, PLLC.

## LEGEND:

| | EXISTING | PROPOSED |
|---|---|---|
| 1 FOOT CONTOUR | | |
| 5 FOOT CONTOUR | | |
| GRADE | + 0.00 | 0.00 |
| RIDGE LINE | | |
| TOP OF CURB | | C:XX.XX |
| TOP OF WALK | | W:XX.XX |
| TOP OF PAVEMENT | | P:XX.XX |
| FLOW LINE @ DEPRESSED CURB | | D:XX.XX |
| FLOW LINE | | F:XX.XX |
| EDGE OF PAVEMENT | | E:XX.XX |
| FINISHED GROUND | | G:XX.XX |
| RIM GRADE | | R:XX.XX |
| MATCH EXISTING | | ME:XX.XX |
| FINISHED FLOOR | | FF:XX.XX |
| FLOW ARROW | | |
| OVERFLOW | | |

GRAPHIC SCALE

20 0 10 20 40

( IN FEET )

1 inch = 20 ft.

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Moline - Coal Valley School District

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GRADING PLAN

C-4.2

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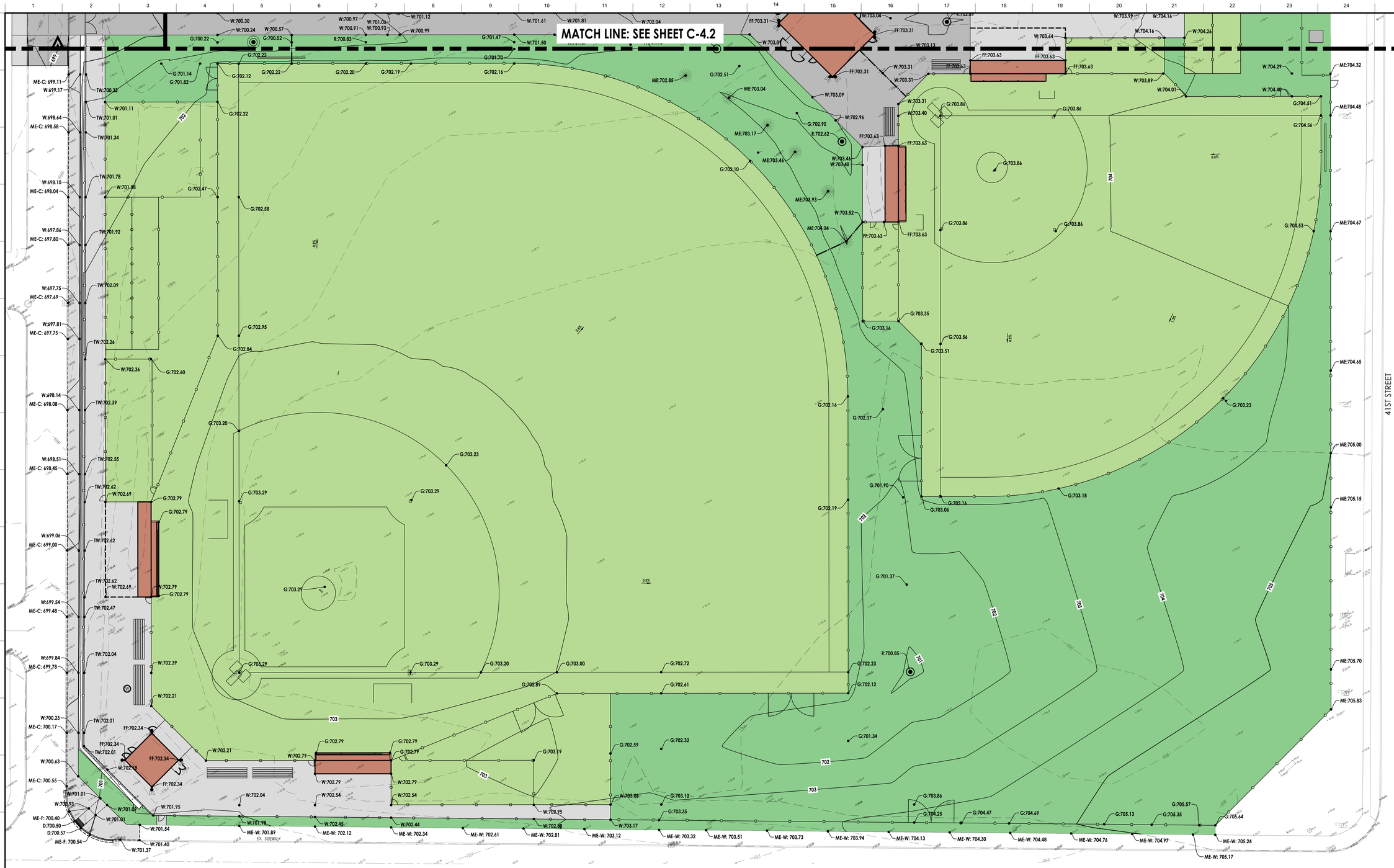


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## LEGEND:

| | EXISTING | PROPOSED |
|---|---|---|
| 1 FOOT CONTOUR | | |
| 5 FOOT CONTOUR | | |
| GRADE | + 0.00 | 0.00 |
| RIDGE LINE | | |
| TOP OF CURB | | C:XX.XX |
| TOP OF WALK | | W:XX.XX |
| TOP OF PAVEMENT | | P:XX.XX |
| FLOW LINE @ DEPRESSED CURB | | D:XX.XX |
| FLOW LINE | | F:XX.XX |
| EDGE OF PAVEMENT | | E:XX.XX |
| FINISHED GROUND | | G:XX.XX |
| RIM GRADE | | R:XX.XX |
| MATCH EXISTING | | ME:XX.XX |
| FINISHED FLOOR | | FF:XX.XX |
| FLOW ARROW | | |
| OVERFLOW | | |

GRAPHIC SCALE
20 0 10 20 40
( IN FEET )
1 inch = 20 ft.

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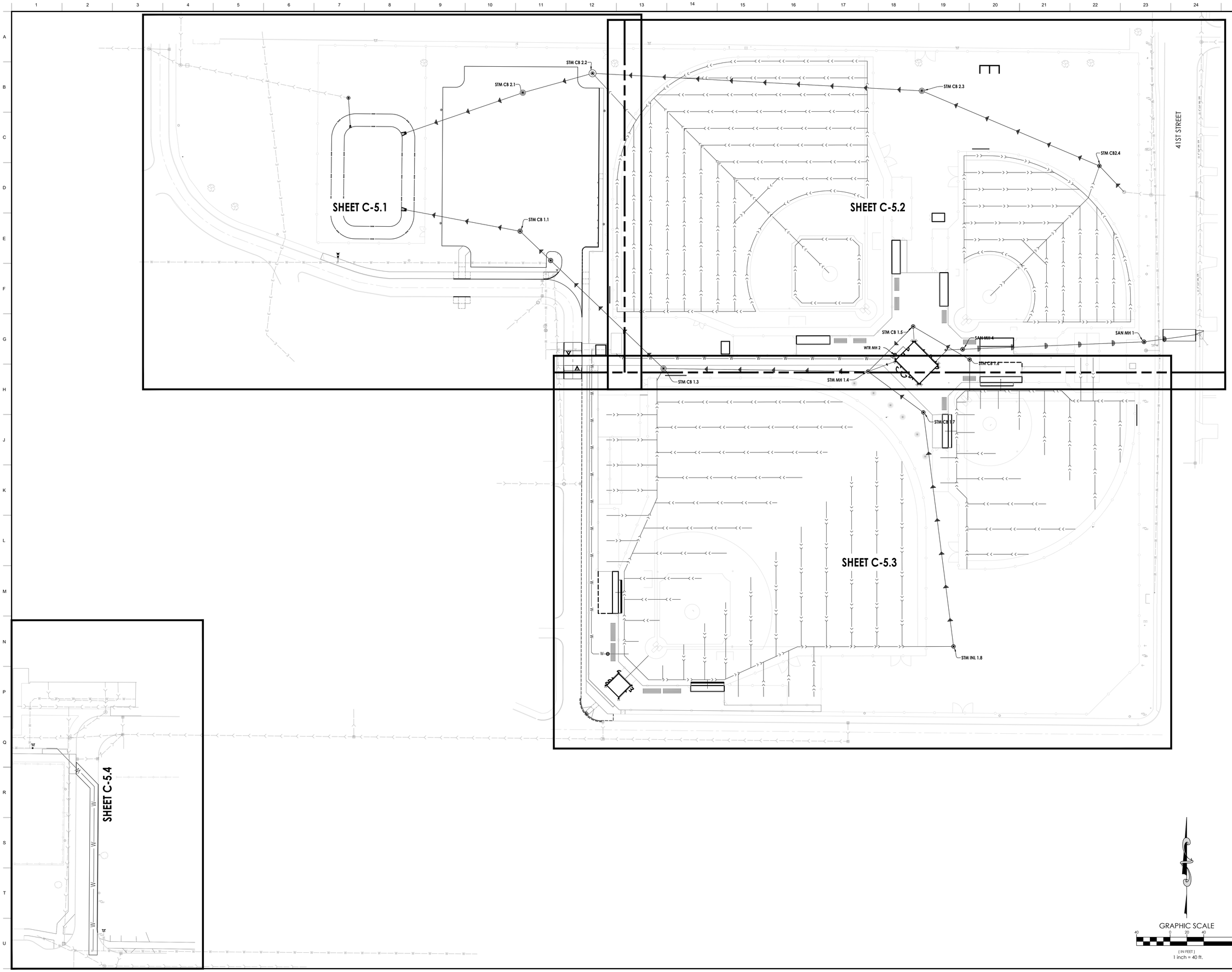
GRADING PLAN

# C-4.3

ISSUED FOR REBID




GRAPHIC SCALE
40 0 20 40 80
( IN FEET )
1 inch = 40 ft.

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OVERALL UTILITY PLAN

C-5.0
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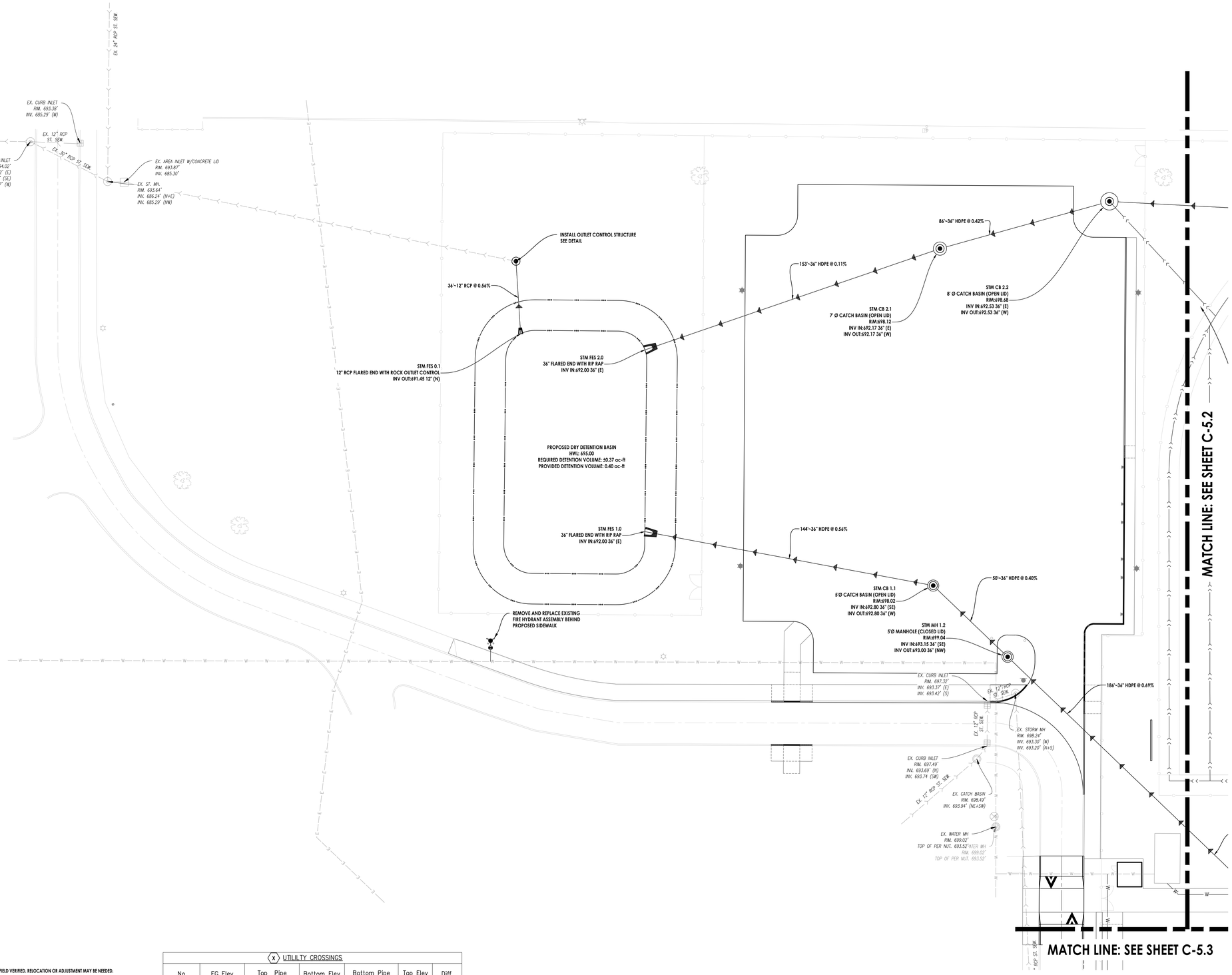


## NOTES:

1. EX. ITEMS SHALL BE FIELD VERIFIED. RELOCATION OR ADJUSTMENT MAY BE NEEDED. CONTRACTOR TO VERIFY.
2. CONTRACTOR SHALL VERIFY ALL WORK, INCLUDING BUT LIMITED TO, SIZES, MATERIALS AND LOCATION, WITH UTILITY COMPANIES PRIOR TO INSTALLATION.
3. VERIFY SERVICE LOCATIONS WITH BUILDING PLANS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
4. RIM GRADES ALONG CURBS ARE FLOW LINE ELEVATIONS.
5. SEE SPECIFICATIONS SHEET FOR ALL STORM, SANITARY, AND WATER PIPE AND STRUCTURE SPECIFICATIONS.
6. ALL UTILITY TIE DIMENSIONS ARE FROM CENTER OF UTILITY AND TO BACK OF CURB WHEN TIED TO CURB LINES, UNLESS OTHERWISE NOTED.
7. CONTRACTOR TO INSPECT EXISTING SEWER AT POINT OF CONNECTION. CONTRACTOR TO VERIFY THAT EXISTING PIPE IS IN GOOD WORKING CONDITION. CONTRACTOR TO REPAIR AS REQUIRED.
8. CONTRACTOR TO NOTIFY OWNER/ENGINEER IF CONFLICTS OCCUR.
9. NEW OPENING/CONNECTIONS TO EXISTING COMBINED AND SANITARY MANHOLE/STRUCTURES SHALL BE CORE-DRILLED AND UTILIZE RUBBER BOOTS CONFORMING TO ASTM C-923.

X UTILILTY CROSSINGS

| No | FG Elev | Top Pipe | Bottom Elev | Bottom Pipe | Top Elev | Diff. |
|---|---|---|---|---|---|---|
| 1 | 700.33 | PR. 36" STM | 694.28 | *PR 2" WTR | 692.78 | 1.50 |
| 2 | 702.99 | PR. 18" STM | 696.63 | *PR. 2" WTR | 695.13 | 1.50 |
| 3 | 703.11 | PR. 4" SAN | 700.43 | PR. 18" STM | 699.62 | 0.81 |
| 4 | ±704.20 | PR. 8" SAN | 700.49 | EX. 8" WTR | 698.70 | 1.79 |

* LOWER WATER LINE AT CROSSING. PROVIDE 18" MIN SEPARATION.

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UTILITY PLAN

C-5.1

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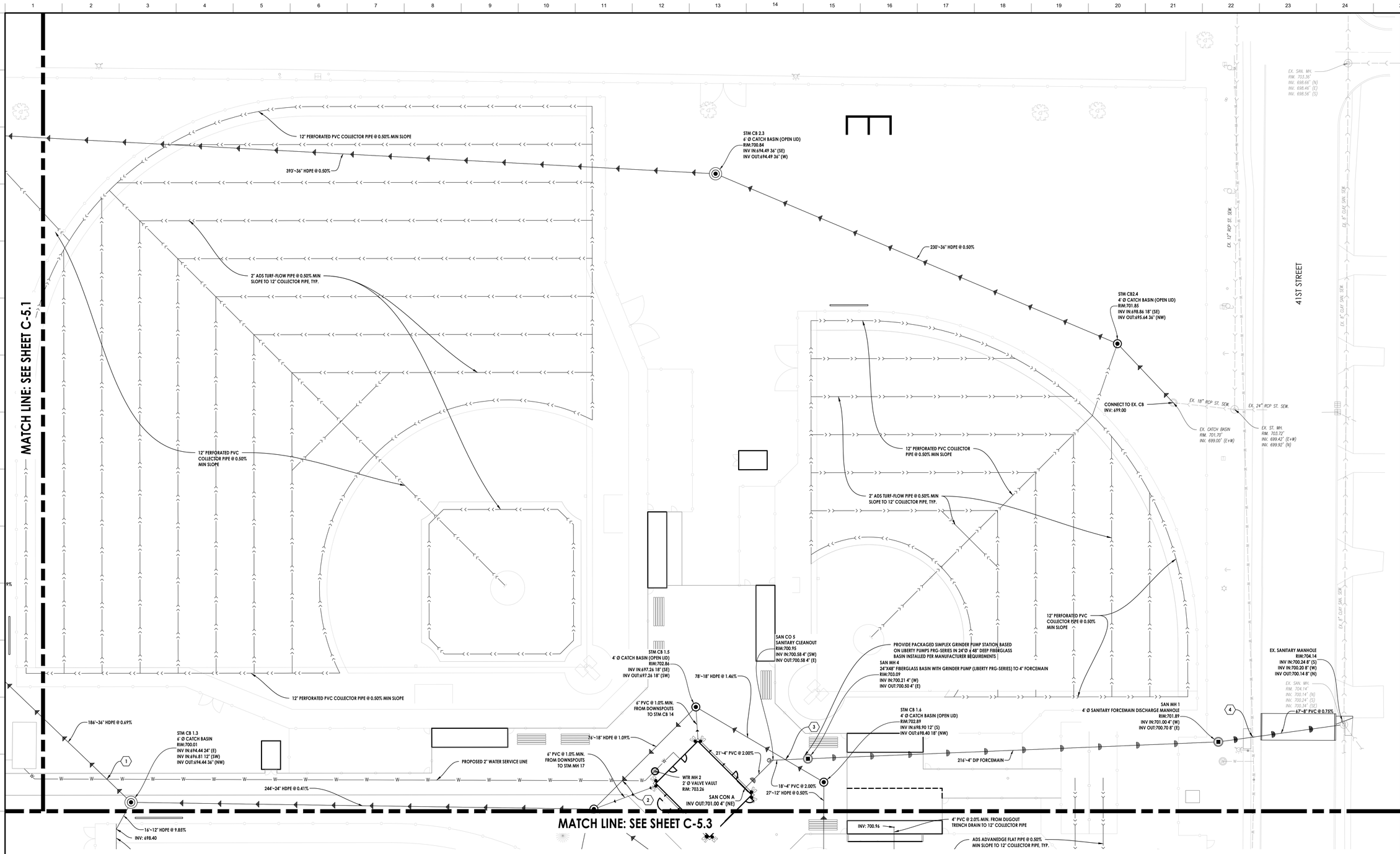


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UTILITY PLAN

C-5.2

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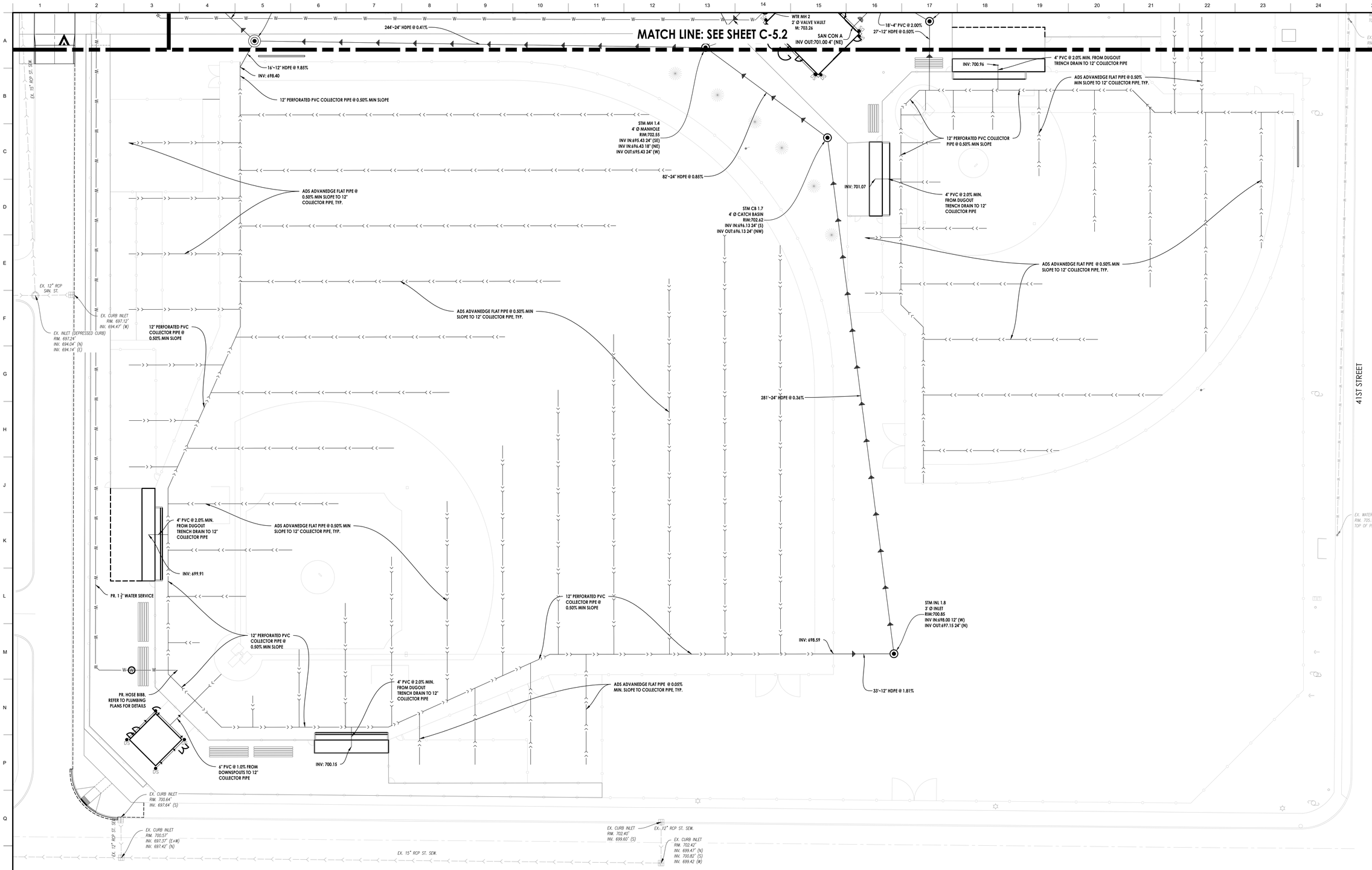


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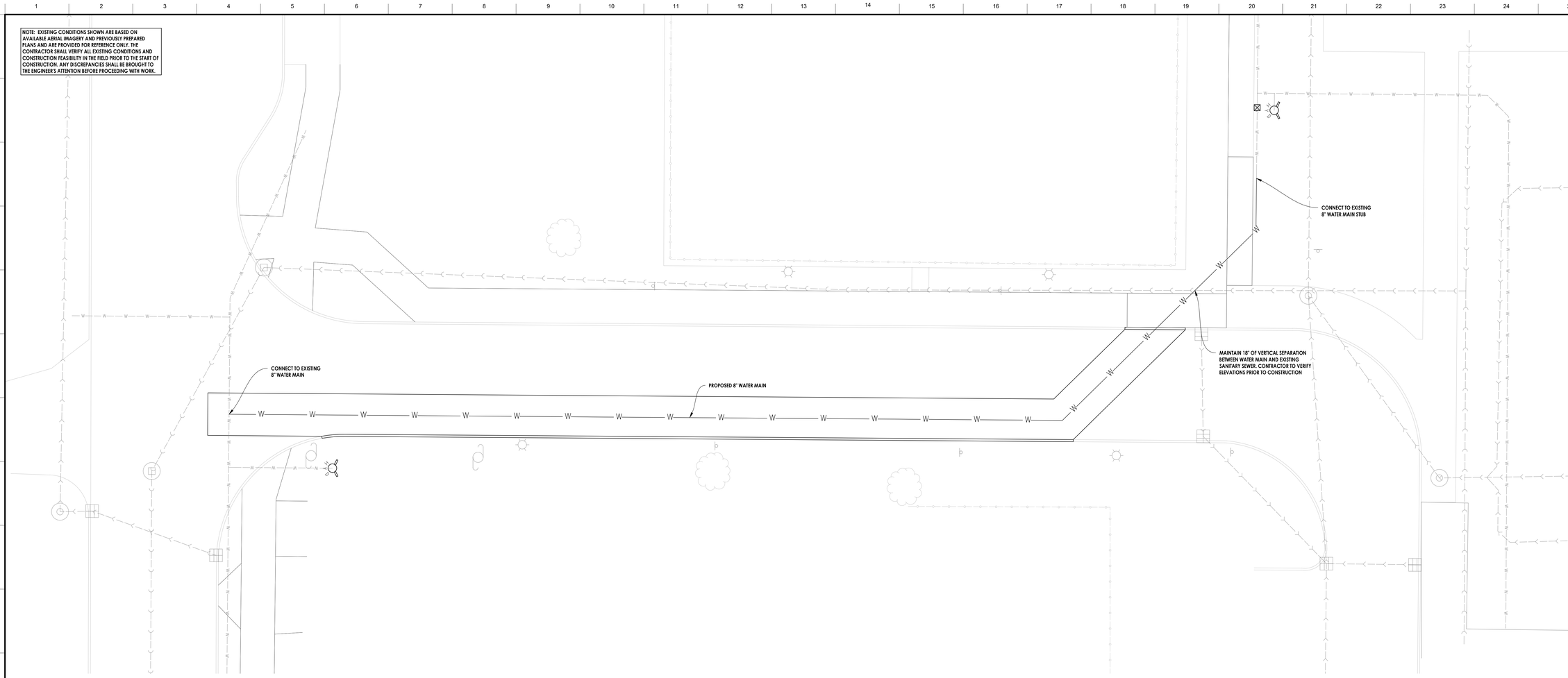
UTILITY PLAN

C-5.3

ISSUED FOR REBID

NOTE: EXISTING CONDITIONS SHOWN ARE BASED ON AVAILABLE AERIAL IMAGERY AND PREVIOUSLY PREPARED PLANS AND ARE PROVIDED FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND CONSTRUCTION FEASIBILITY IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE PROCEEDING WITH WORK.

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GRAPHIC SCALE
10 0 5 10 20
( IN FEET )
1 inch = 10 ft.


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UTILITY PLAN

C-5.4
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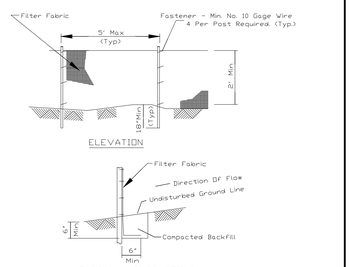
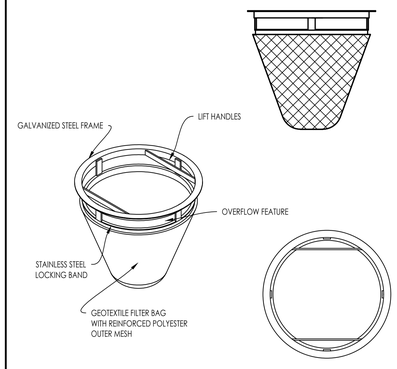
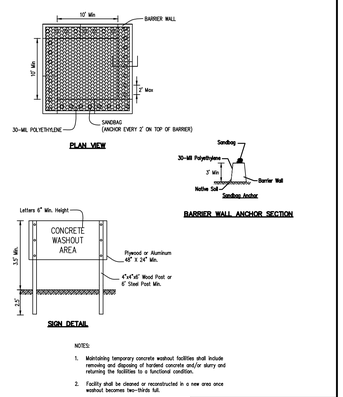



NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table I or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for oven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

SILT FENCE
NOT TO SCALE

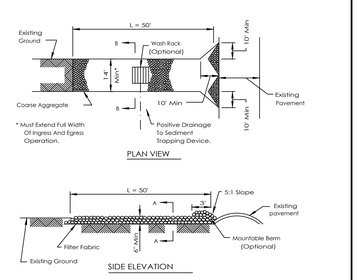



INLET PROTECTION
NOT TO SCALE




NOTES:
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

TEMP. CONCRETE WASHOUT - BARRIER WALL
NOT TO SCALE




NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I. It or\and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

**NOTES:**

**1. INLET PROTECTION SHALL BE INSTALLED AT EACH DRAINAGE STRUCTURE THAT ACCEPTS WATER ONCE THAT STRUCTURE IS ABLE TO RECEIVE WATER.**

**2. ALL ROADS INCLUDING ADJACENT ROADWAYS, SWALES, DRAINAGE STRUCTURES, MANHOLES AND PIPES MUST BE KEPT CLEAN AND FREE OF DIRT, SILT AND DEBRIS AT ALL TIMES.**

**3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD ADJUSTING THE LOCATION OF THE SILT FENCE TO ACCOMMODATE CONSTRUCTION ACTIVITIES. RELOCATED SILT FENCE SHALL BE PLACED TO PREVENT SILT FROM RUNNING OFF THE SITE. SILT FENCE SHALL BE RELOCATED BACK TO ORIGINAL LOCATION AS NECESSARY AFTER CONSTRUCTION ACTIVITY IN THE EFFECTED AREA IS COMPLETED.**

**4. CONCRETE WASHOUT CANNOT ENTER SEWERS OR STORMWATER MANAGEMENT FACILITIES.**

**5. PROVIDE A STABILIZED CONSTRUCTION ENTRANCE - IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND THE NRCS DETAILS.**

**6. PROVIDE AN 18-INCH DEEP TRENCH AROUND THE PERIMETER OF ALL SOIL STOCKPILES.**

**7. PROVIDE FILTER FENCE WHERE RUNOFF FROM THE SITE FLOWS ONTO ADJACENT PROPERTIES.**

**8. CONTRACTOR SHALL INSPECT THE SITE WEEKLY AND AFTER EACH RAINFALL TO ENSURE THAT SOIL EROSION CONTROL MEASURES ARE WORKING PROPERLY.**

**9. CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION, INSPECTION AND MAINTENANCE OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES.**

**10. THE CONTRACTOR SHALL IMPLEMENT ANY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES DEEMED NECESSARY BY THE VILLAGE ENGINEER.**

**11. REFER TO PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS (THE "GREEN BOOK") AS A GUIDELINE FOR EROSION CONTROL.**

## INSPECTION SCHEDULE

1. EROSION CONTROL DEVICES & SWALES SHALL BE BE MONITORED DAILY.

2. VEGETATIVE PLANTINGS (SEEDING, SODDING, ETC.) SHALL BE CHECKED PERIODICALLY TO VERIFY THAT ADEQUATE GROUND COVER IS BEING ESTABLISHED. AREAS OF INSUFFICIENT COVER SHALL BE RESEEDED.

3. REPAIRS TO EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.

| ANTICIPATED CONSTRUCTION SEQUENCE | RESPONSIBLE CONTRACTOR: GRADING | UNDERGROUND | PAVING | LANDSCAPE |
|---|---|---|---|---|
| 1. INSTALL SEDIMENT CONTROL DEVICES | | | | |
| STABILIZED CONSTRUCTION ENTRANCE | X | | | |
| SILT FENCE | X | | | |
| 2. GRADE SITE / STOCK PILE TOPSOIL | X | | | |
| SILT FENCE (TOPSOIL STOCKPILES & OPEN SPACE SLOPES) | X | | | |
| 3. INSTALL STORM WATER MANAGEMENT | | | | |
| STORM SEWER EXPLORATORY DIG | | X | | |
| INLET PROTECTION | | X | | |
| 4. TEMPORARY VEGETATIVE STABILIZATION | | | | |
| TEMPORARY SEEDING | | | | X |
| MULCHING | | | | X |
| 5. SITE WORK - CONCRETE WASHOUT AREA | | | X | |
| CURB & GUTTER & PATCHING | | | X | |
| AGGREGATE SUBBASE | | | X | |
| SIDEWALKS AND CONCRETE PAVEMENT | | | X | |
| ASPHALT PATCHES | | | X | |
| LANDSCAPE INSTALLATION | | | | X |
| 6. TEMPORARY SEEDING ON ALL AREAS TO BE EXPOSED LONGER THAN 60 DAYS | | | | X |
| 7. SURFACE PARKING LOTS | | | X | |
| 8. PERMANENT VEGETATIVE STABILIZATION OF EXPOSED AREAS | | | | |
| PERMANENT SEEDING | | | | X |
| SODDING | | | | X |
| 9. PERFORM CONTINUING MAINTENANCE | X | X | X | X |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| DRAWN BY | AQ |
| REVIEWED BY | MM |

SESC NOTES AND DETAILS

C-6.0

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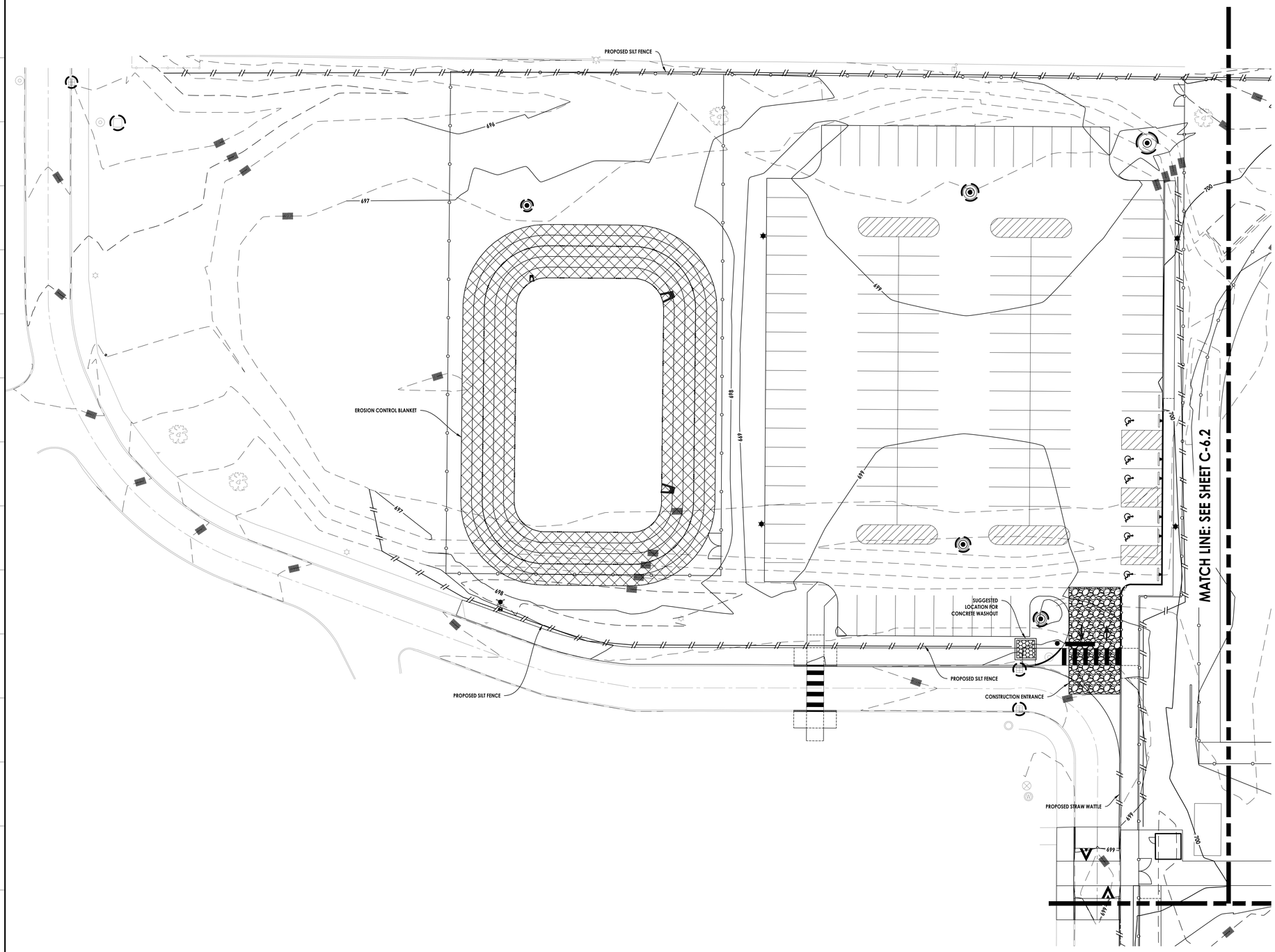


LEGEND:

- INLET PROTECTION, SEE DETAIL
- PERIMETER EROSION CONTROL
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL
- EROSION CONTROL BLANKET
- CONCRETE/MORTAR WASHOUT FACILITY, SEE DETAIL

GRAPHIC SCALE
20 0 10 20 40
( IN FEET )
1 inch = 20 ft.

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SOIL EROSION & SEDIMENT CONTROL PLAN

C-6.1

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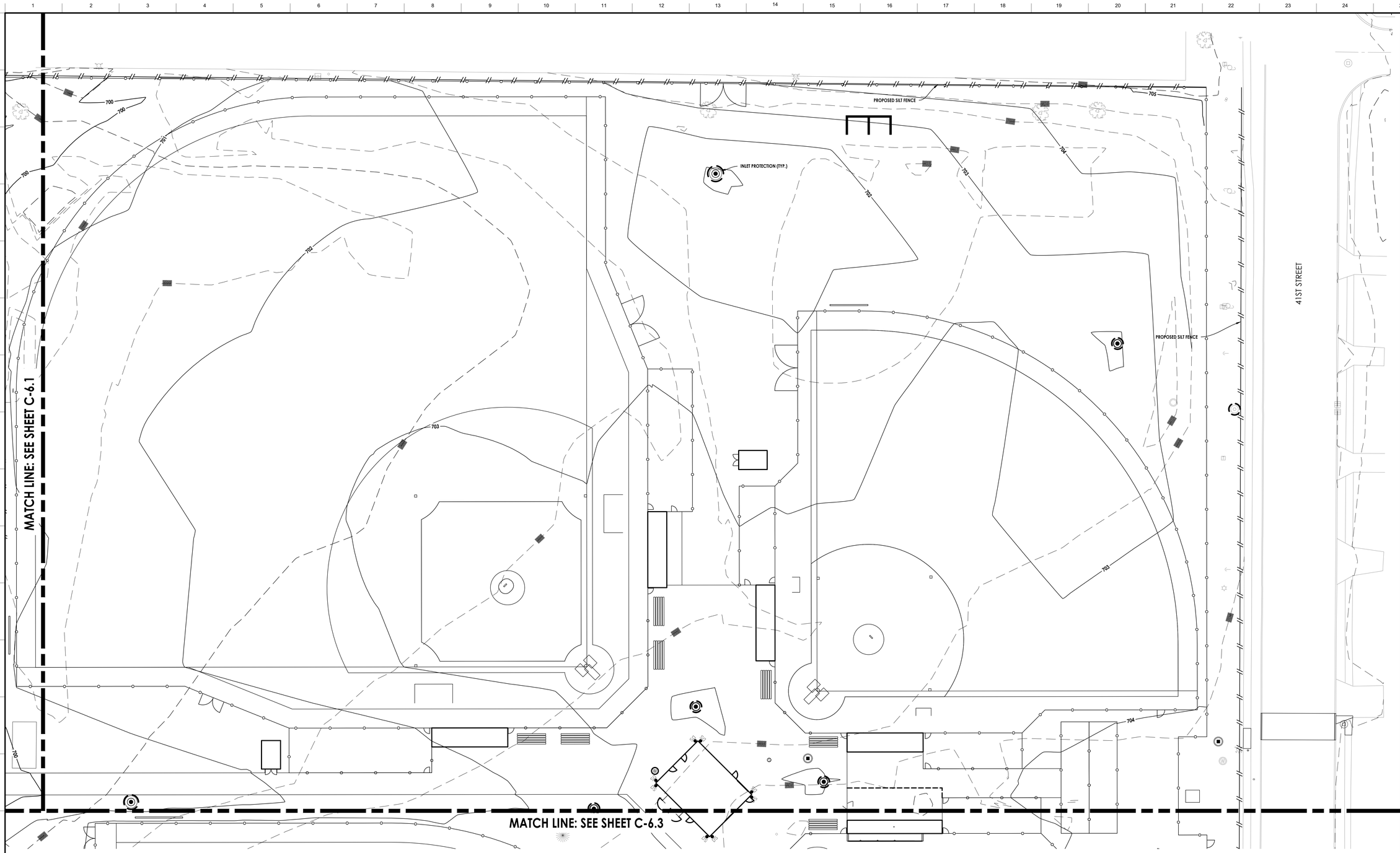


LEGEND:

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- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL
- EROSION CONTROL BLANKET
- CONCRETE/MORTAR WASHOUT FACILITY, SEE DETAIL

GRAPHIC SCALE

20 0 10 20 40

( IN FEET )

1 inch = 20 ft.

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SOIL EROSION & SEDIMENT CONTROL PLAN

C-6.2

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MATCH LINE: SEE SHEET C-6.2

PROPOSED STRAW WATTLE

PROPOSED SILT FENCE

CONSTRUCTION ENTRANCE

PROPOSED SILT FENCE

INLET PROTECTION (TYP.)

41ST STREET

LEGEND:

- INLET PROTECTION, SEE DETAIL
- PERIMETER EROSION CONTROL
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL
- EROSION CONTROL BLANKET
- CONCRETE/MORTAR WASHOUT FACILITY, SEE DETAIL

GRAPHIC SCALE

20 0 10 20 40

( IN FEET )

1 inch = 20 ft.

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SOIL EROSION & SEDIMENT CONTROL PLAN

C-6.3

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NOTE: EXISTING CONDITIONS SHOWN ARE BASED ON AVAILABLE AERIAL IMAGERY AND PREVIOUSLY PREPARED PLANS AND ARE PROVIDED FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND CONSTRUCTION FEASIBILITY IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE PROCEEDING WITH WORK.

LEGEND:

- INLET PROTECTION, SEE DETAIL
- PERIMETER EROSION CONTROL
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL
- EROSION CONTROL BLANKET
- CONCRETE/MORTAR WASHOUT FACILITY, SEE DETAIL

GRAPHIC SCALE

10 0 5 10 20

( IN FEET )

1 inch = 10 ft.

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SOIL EROSION & SEDIMENT CONTROL PLAN

C-6.4

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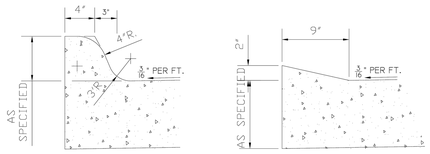
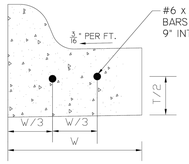



BARRIER CURB | MOUNTABLE CURB

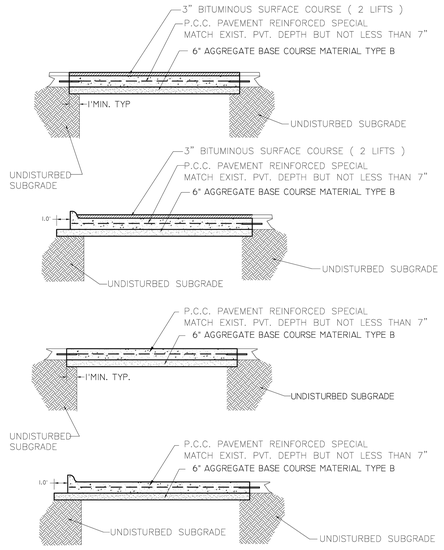
NOTE:
ALL HONEYCOMBED AND OR POROUS AREAS IN BACK OF CURB WILL BE CORRECTED AS DIRECTED BY THE ENGINEER.

CURB & GUTTER REMOVAL & REPLACEMENT: CURB SHALL BE A B-6.12 OR AN M 6.12 UNLESS OTHERWISE SPECIFIED.




CURB CONSTRUCTION JOINT

| INTEGRAL CURB DETAIL | | |
|---|---|---|
| DATE 01/17 | CITY OF MOLINE STANDARD | #2 |

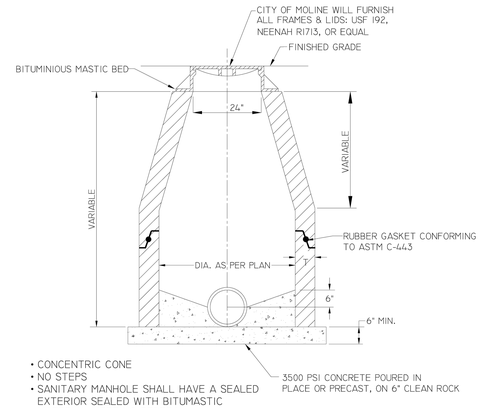



NOTE:
BARS TO BE #6 x 18" LONG, DEFORMED, EPOXY COATED DRILLED & EPOXIED 9" INTO EXISTING PAVEMENT
@ 24" O.C. LONGITUDINALLY. BOTH SIDES
@ 18" O.C. TRANSVERSELY. BOTH ENDS

63# WIRE MESH SHALL BE USED IN ALL PAVEMENT PATCHES.

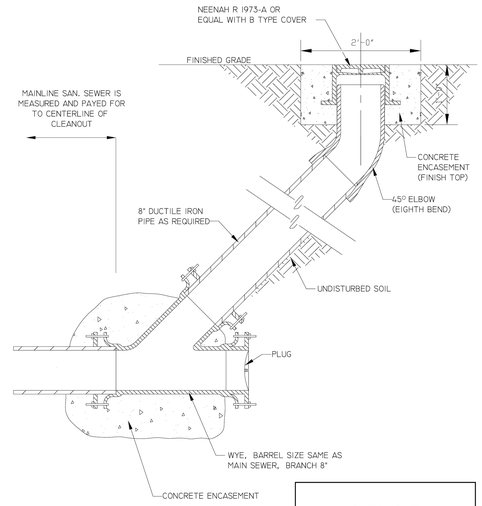
| PAVEMENT PATCHING DETAIL | | |
|---|---|---|
| DATE 01/17 | CITY OF MOLINE STANDARD | #11 |

MATERIAL WALL THICKNESS (T)
PRE-CAST CONC.- MIN. 1/12 OF INSIDE DIAMETER
CAST-IN-PLACE CONC. MIN. 6"




- CONCENTRIC CONE
- NO STEPS
- SANITARY MANHOLE SHALL HAVE A SEALED EXTERIOR SEALED WITH BITUMASTIC MATERIAL MEETING FEDERAL SPECIFICATION SSC153C, TYPE I OR SSA 6490.
- THE CITY OF MOLINE WILL FURNISH ALL FRAMES AND LIDS. THE CONTRACTOR MUST TRANSPORT ALL NEW FRAMES AND LIDS TO THE JOBSITE, AND MUST DELIVER ALL EXISTING FRAMES AND LIDS TO THE CITY'S STORAGE FACILITY.

| TYPICAL MANHOLE DETAIL | | |
|---|---|---|
| DATE 01/23 | CITY OF MOLINE STANDARD | #14 |




| CLEANOUT | | |
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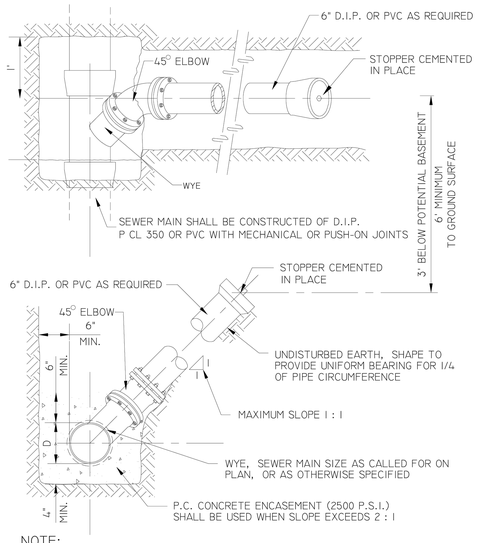
| DATE 02/02 | CITY OF MOLINE STANDARD | #15 |




NOTE:
RISERS TO BE CONSTRUCTED WHERE SEWER DEPTH EXCEEDS 6' BELOW POTENTIAL BASEMENT.

ALL SERVICE SEWER IN R.O.W. SHALL BE 6" D.I.P. OR PVC

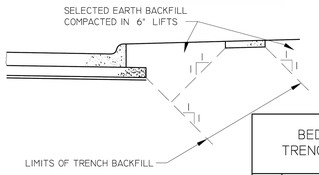
| TYPICAL SERVICE CONNECTION AND SEWER MAIN | | |
|---|---|---|
| DATE 01/23 | CITY OF MOLINE STANDARD | #16 |




NOTE:
STORM SEWER
USE FIGURES AND TABLES IN SECTION E OF THE DOCUMENTATION GUIDE GIVEN IN THE IDOT CONSTRUCTION MANUAL

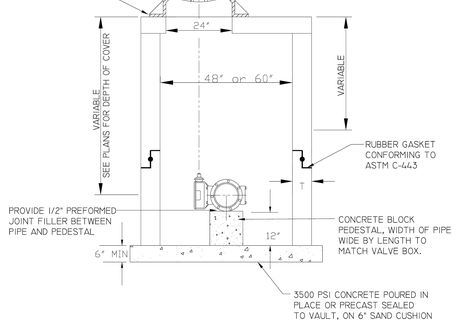
SANITARY SEWER & WATER MAIN
USE FIGURE ON PAGE E-1 OF THE DOCUMENTATION GUIDE GIVEN IN THE IDOT CONSTRUCTION MANUAL

TYPICAL TRENCH BACKFILL SECTION
DUCTILE & CONCRETE PIPE




| BEDDING AND TRENCH BACKFILL | | |
|---|---|---|
| DATE 01/17 | CITY OF MOLINE STANDARD | #19 |

MATERIAL WALL THICKNESS
PRE-CAST CONC.- MIN. 1/12 OF INSIDE DIAMETER
CAST-IN-PLACE CONC. MIN. 8"

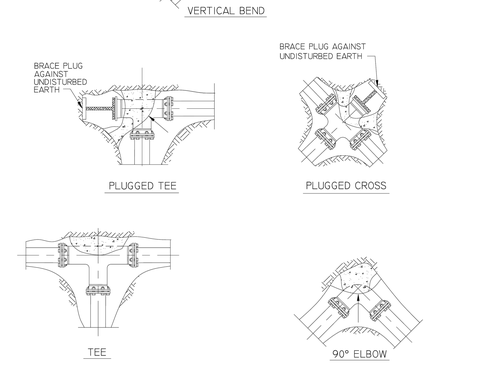



NOTE:
VALVE VAULT DIA. SHALL BE 48" FOR 8" OR LESS VALVES AND 60" FOR LARGER VALVES

FRAMES AND LIDS FURNISHED BY THE CITY

FRAMES AND LIDS SHALL BE LOCATED OVER CENTER OF OPERATING NUT

| TYPICAL VALVE VAULT DETAIL | | |
|---|---|---|
| DATE 01/17 | CITY OF MOLINE STANDARD | #31 |




NOTES:
ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3500 P.S.I. CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

| THRUST BLOCK INSTALLATIONS | | |
|---|---|---|
| DATE 2/96 | CITY OF MOLINE STANDARD | #37 |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REVIEWED BY MM

CONSTRUCTION DETAILS

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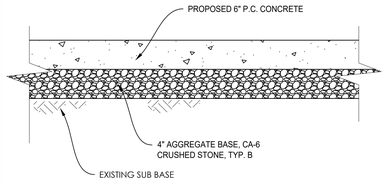
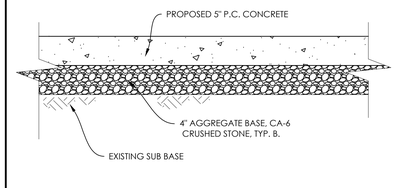
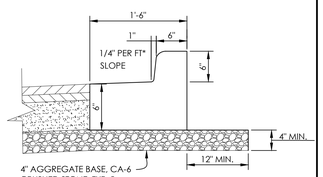



PROPOSED CONCRETE PAVEMENT
NOT TO SCALE

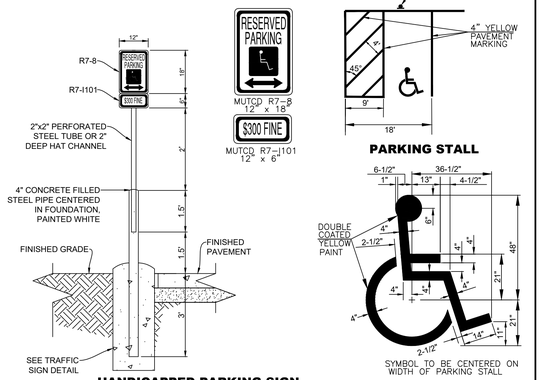



PROPOSED CONCRETE SIDEWALK
NOT TO SCALE




NOTES:
1. CONTRACTION JOINTS TO BE TOOLED OR SAWCUT EVERY 20'
2. FIBER EXPANSION JOINTS TO BE PLACED EVERY 40'
3. *FOR REVERSED PITCH GUTTER FLAG MAINTAIN A 1/4" PER FT. CROSS SLOPE.

REVERSE PITCH CURB AND GUTTER
NOT TO SCALE




**HANDICAPPED PARKING SIGN**

NOTE: ALL PAVEMENT STRIPING SHALL BE THERMOPLASTIC. SYMBOLS SHALL BE PAINTED.



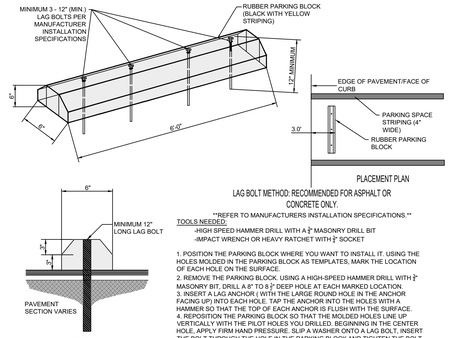

**PARKING STALL**




SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL

**PAINTED SYMBOL**

HANDICAP STANDARD DETAIL
NOT TO SCALE



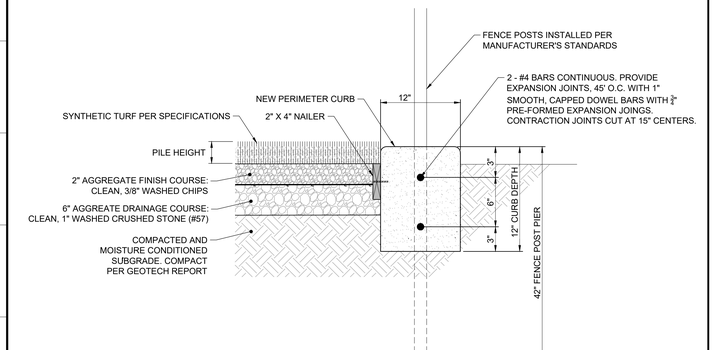

LAG BOLT METHOD: RECOMMENDED FOR ASPHALT OR CONCRETE ONLY.

**REFER TO MANUFACTURERS INSTALLATION SPECIFICATIONS.**

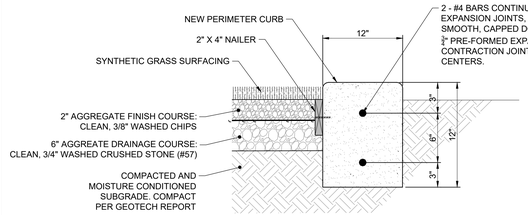
TOOLS NEEDED:
-HIGH SPEED HAMMER DRILL WITH A ¾" MASONRY DRILL BIT
-IMPACT WRENCH OR HEAVY RATCHET WITH 2" SOCKET

1. POSITION THE PARKING BLOCK WHERE YOU WANT TO INSTALL IT. USING THE HOLES MOLDED IN THE PARKING BLOCK AS TEMPLATES, MARK THE LOCATION OF EACH HOLE ON THE SURFACE.
2. REMOVE THE PARKING BLOCK. USING A HIGH-SPEED HAMMER DRILL WITH ¾" MASONRY BIT, DRILL A 8" TO 8 ½" DEEP HOLE AT EACH MARKED LOCATION.
3. INSERT A LAG ANCHOR ( WITH THE LARGE ROUND HOLE IN THE ANCHOR FACING UP) INTO EACH HOLE. TAP THE ANCHOR INTO THE HOLES WITH A HAMMER SO THAT THE TOP OF EACH ANCHOR IS FLUSH WITH THE SURFACE.
4. REPOSITION THE PARKING BLOCK SO THAT THE MOLDED HOLES LINE UP VERTICALLY WITH THE PILOT HOLES YOU DRILLED. BEGINNING IN THE CENTER HOLE, APPLY FIRM HAND PRESSURE. SLIP A WASHER ONTO A LAG BOLT, INSERT THE BOLT THROUGH THE HOLE IN THE PARKING BLOCK AND TIGHTEN THE BOLT ABOUT THREE QUARTERS OF THE WAY WITH A 2" SOCKET. REPEAT FOR EACH HOLE IN THE PARKING BLOCK. FINISH TIGHTENING EACH BOLT UNTIL JUST SNUG. DO NOT OVER TIGHTEN! EXCESSIVE TIGHTENING MAY DAMAGE THE PARKING BLOCK AND WILL VOID THE WARRANTY.

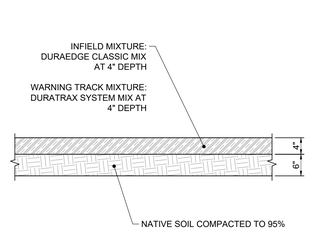
RUBBER WHEEL STOP
NOT TO SCALE



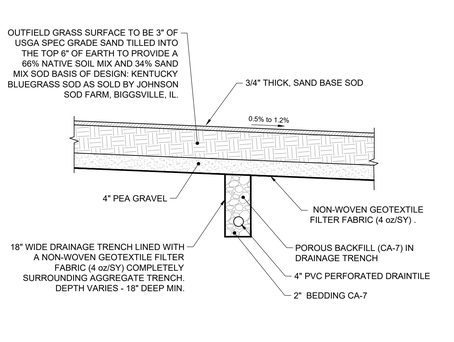

SYNTHETIC TURF AND CURB EDGE DETAIL
NOT TO SCALE




CURB EDGE DETAIL AT BATTING CAGE
NOT TO SCALE




TYPICAL INFIELD AND WARNING TRACK CROSS SECTION
NOT TO SCALE




TYPICAL OUTFIELD CROSS SECTION
NOT TO SCALE

# PRG-SERIES
Grinder Pump

Liberty Pumps
A Family and Employee Owned Company

**1 hp**
**2" Discharge**

Designed for sewage applications

Higher flow rates allow use with 2" discharge lines

Operates on standard 115V or 230V 20A circuits

## Features

- Heavy cast iron construction
- 115V or 230V 1-phase
- V-Slice® Cutter Technology
- Shreds difficult solids such as feminine products, rags, towels, and wipes that can jam a solids handling style pump
- Hardened stainless steel cutter and plate
- Oil-filled, thermally protected motor
- PRG-Series grinders can be used as a replacement pump in 2" discharge systems using LE40 and LE50-Series solids handling pumps.*

**Consult factory with actual application and head specifications prior to replacing LE40 and LE50-Series pumps.*



Vertical Float Switch
Model PRG101AV

ProVore®




Model PRG101A

Patent: See LibertyPumps.com/en-us/patents

innovate. evolve.

## PRG-Series

**Impeller**
Cast iron, Class 25 vortex style

**Paint**
Powder coat

**Max Fluid Temperature**
140°F (60°C) Intermittent
104°F (40°C) Continuous duty

**Motor Specifications**
1 hp 12A (115V) 6A (230V)
CSCR style, Class B windings
Oil-filled, thermally protected

**Power Cord Type**
SJTW Quick-connect design
10' Standard length (25' and 50' optional)

**Motor Housing**
Class 25 cast iron

**Shaft**
303 Series stainless steel

**Volute**
Class 25 cast iron

**V-Slice® Cutter Technology**
Shreds difficult solids such as feminine products, wipes, rags, and other debris.



440 Series stainless steel hardened to Rockwell 57c

Patent: See LibertyPumps.com/en-us/patents

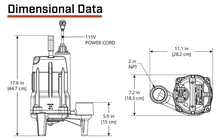
**Hardware**
Stainless steel

**Mechanical Shaft Seal**
Unitized graphite impregnated silicon carbide

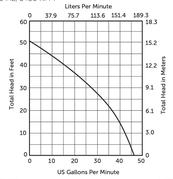
**Bearings**
Upper and lower ball bearings

**Float Switch (automatic models)**
Mechanical wide-angle float switch with series (piggyback) plug

**Dimensional Data**




**Performance Curve**
60 Hz, 3450 RPM




**Models**

| MODEL | HP | VOLTS | PHASE | Hz | AMPS | CORD LENGTH IN FEET | DISCHARGE | AUTOMATIC | WEIGHT IN LBS |
|---|---|---|---|---|---|---|---|---|---|
| PRG101A | 1 | 115 | 1 | 60 | 12 | 10 | 2" | Wide-Angle | 58 |
| PRG101AV | 1 | 115 | 1 | 60 | 12 | 10 | 2" | Vertical Float Switch | 58 |
| PRG101M | 1 | 115 | 1 | 60 | 12 | 10 | 2" | No | 57 |
| PRG102A | 1 | 230 | 1 | 60 | 6 | 10 | 2" | Wide-Angle | 58 |
| PRG102M | 1 | 230 | 1 | 60 | 6 | 10 | 2" | No | 57 |

For optional 25' power cords, add a "-2" suffix to model number. Example: PRG101A-2
For optional 50' power cords (manual models only), add a "-5" suffix to model number. Example: PRG101M-5
Consult factory for 50' automatic power cord options.

Specifications subject to change without notice.

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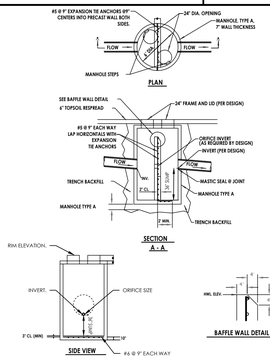
Liberty Pumps - 7000 Aggie Tree Avenue - Bergen, New York 14416
Phone 800-543-2550 - Fax 585-494-1839 - www.LibertyPumps.com




NOTES:
1. STRUCTURE AND BAFFLE WALL FABRICATED USING PORTLAND CEMENT CONCRETE.
2. RESTRICTORS LESS THAN 4" IN DIAMETER MUST USE CITY OF CHICAGO VORTEX RESTRICTOR (SEE DETAIL)
3. BAFFLE WALL PERMANENTLY INSTALLED AS PRECAST OR CAST IN PLACE. (STEEL PLATE ACCEPTABLE IF PERMANENT).
4. PIPE TO STRUCTURE CONNECTIONS SHALL BE ASTM C923 IN COMBINED SEWER AREAS.

TYPICAL OUTLET CONTROL STRUCTURE
NOT TO SCALE

LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District

# BASEBALL & SOFTBALL COMPLEX RENOVATION

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SIGNATURE
DATE

REVISIONS

| | DESCRIPTION | DATE |
|---|---|---|
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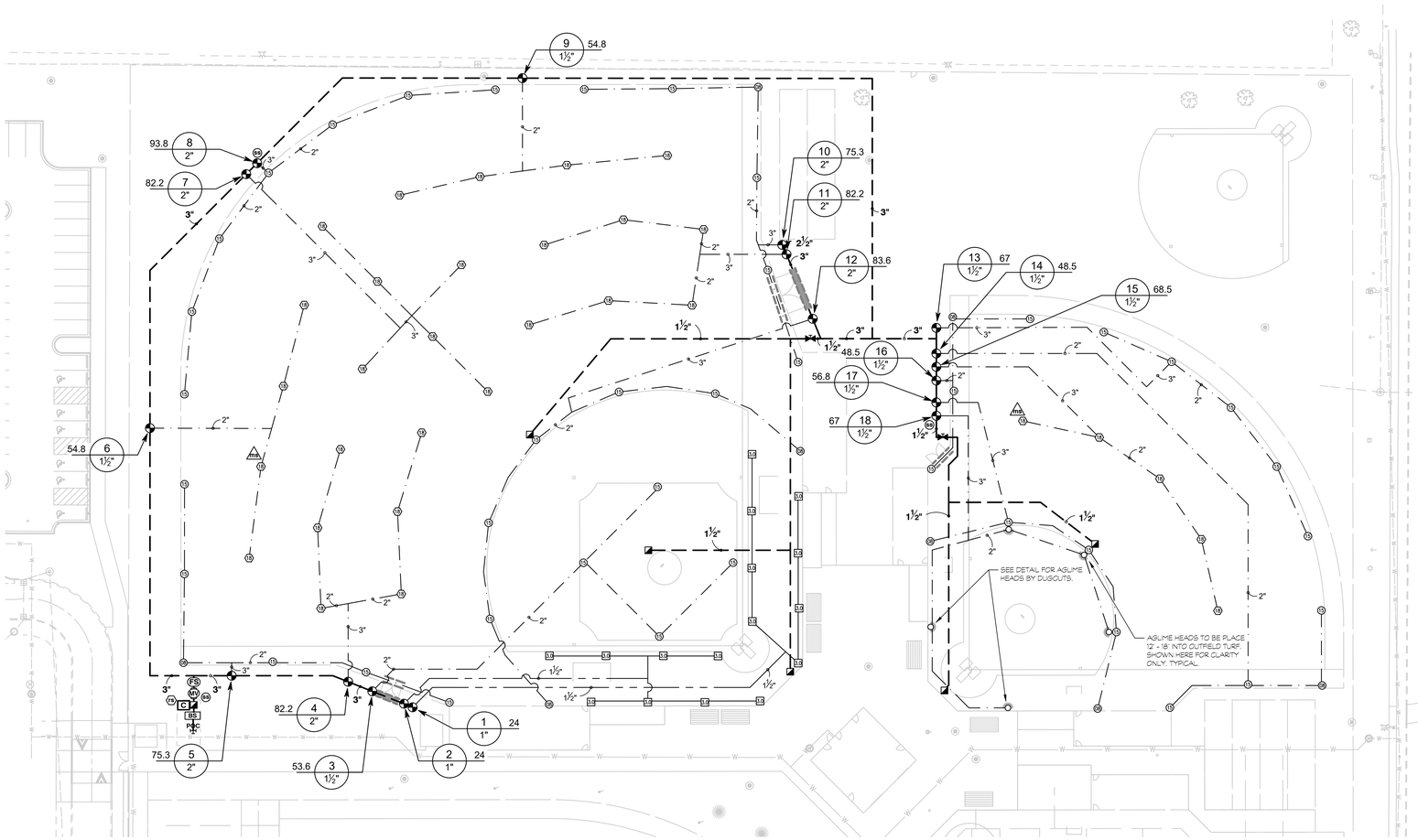
PROJECT NUMBER 0498.6992C
DATE OF ISSUE 08.04.2026
DRAWN BY AQ
REVIEWED BY MM

CONSTRUCTION DETAILS

C-7.1
ISSUED FOR REBID




## IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION |
|---|---|
| 3.0 | HUNTER I-20-04-SS 3.0<br>TURF ROTOR, 4IN. POP-UP. ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER. DRAIN CHECK VALVE. STANDARD NOZZLE. |
| 08 | HUNTER I-25-04-SS 08<br>TURF ROTOR, 4IN. POP-UP. ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER. DRAIN CHECK VALVE. STANDARD NOZZLE. |
| 15 | HUNTER I-25-04-SS 15<br>TURF ROTOR, 4IN. POP-UP. ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER. DRAIN CHECK VALVE. STANDARD NOZZLE. |
| | HUNTER I-25-06-SS-HS 15<br>TURF ROTOR, 6IN. POP-UP. ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER. DRAIN CHECK VALVE. HIGH SPEED NOZZLE. |
| 18 | HUNTER I-40-04-SS-ON 18<br>TURF ROTOR, 4IN. POP-UP, FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, DUAL OPPOSING NOZZLE. |

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION |
|---|---|
| | HUNTER ICV-G<br>1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. |
| | HUNTER HQ-44RC-AW<br>QUICK COUPLER VALVE, YELLOW RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY. ACME KEY WITH ANTI-ROTATION WINGS. |
| | NIBCO T-113<br>CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4IN. - 3IN. |
| MV | SUPERIOR 3100 2"<br>NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION. AVAILABLE IN 3/4IN., 1IN., 1-1/4IN., 1-1/2IN., 2IN., 2-1/2IN. AND 3IN.. |
| C | HYDRO POINT BL-1000X<br>TWO-WIRE CONTROLLER IN LARGE 16 GAUGE POWDER-COATED WALL MOUNT CABINET, BASE MODEL 50 STATIONS, EXPANDABLE TO 75 OR 100 STATIONS. |
| ms | HYDRO POINT BL-5311<br>INCLUDES COMMERCIAL BISENSOR WITH INSTALLATION GUIDE, 50FT. CONNECTION WIRES PLUS DBR/Y-6 CONNECTORS (TWO-WIRE SIDE ONLY) AND WIRE NUTS. |
| FS | HYDRO POINT BL-5407-KIT<br>TIPPING RAIN BUCKET BICODER COMES WITH PRE-WIRED TIPPING RAIN BUCKET, INSTALLATION GUIDE, USER MANUAL, PLUS DBR/Y-6 CONNECTORS (TWO-WIRE SIDE ONLY) AND WIRE NUTS. |
| SS | HYDRO POINT BL-LA01<br>BASELINE TWO-WIRE SURGE ARRESTOR |
| FS | FLOMEC QS200-20 2"<br>2IN. INSERTION FLOWMETER, SCHEDULE 80 PVC HOUSING. 92 GPM-138 GPM RANGE. MAX. OPERATING PRESSURE 150 PSI. 2-WIRE CONNECTOR W/ LED INDICATORS FOR POWER AND PULSE. STORAGE TEMPS -20 F TO +160 F. |
| BS | RAIN BIRD CLP05VBASC1<br>5 HP SUCTION BOOST MODEL. UP TO 53 PSI AND 120 GPM. |
| POC | POINT OF CONNECTION 3"<br>EXISTING 2" METER & BACKFLOW |
| | IRRIGATION LATERAL LINE: POLY TO PVC<br>1" - 1 1/4" POLY, 1 1/2"+ CL200PVC |
| | IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21<br>1" - 1 1/4" POLY, 1 1/2"+ CL200PVC |
| | IRRIGATION LATERAL LINE: PVC 200 ONLY |
| | IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 |
| | PIPE SLEEVE: PVC CLASS 200 SDR 21 - LATERAL |
| | PIPE SLEEVE: PVC CLASS 200 SDR 21 - MAIN LINE<br>INCLUDE 1 1/2" WIRE SLEEVE |

Valve Callout
Valve Number
Valve Flow
Valve Size

## CRITICAL ANALYSIS

| | |
|---|---|
| Generated: | 2026-06-26 08:35 |
| P.O.C. NUMBER: 01 | |
| Water Source Information: | Existing 2" Meter & Backflow |
| FLOW AVAILABLE | |
| Point of Connection Size: | 3" |
| Flow Available | 220.07 GPM |
| PRESSURE AVAILABLE | |
| Static Pressure at POC: | 50 PSI |
| Booster Pump pressure provided: | 30 PSI |
| Pressure Available: | 80 PSI |
| DESIGN ANALYSIS | |
| Flow Velocity: | 5 Ft.sec. |
| Maximum Multi-valve Flow: | 100 GPM |
| Flow Available at POC: | 220.07 GPM |
| Residual Flow Available: | 120.07 GPM |
| Critical Station: | 14 |
| Design Pressure: | 50 PSI |
| Friction Loss: | 4.81 PSI |
| Fittings Loss: | 0.48 PSI |
| Elevation Loss: | 0 PSI |
| Loss through Valve: | 2.13 PSI |
| Pressure Req. at Critical Station: | 57.4 PSI |
| Loss for Fittings: | 0.72 PSI |
| Loss for Main Line: | 7.16 PSI |
| Loss for POC to Valve Elevation: | 0 PSI |
| Loss for Backflow: | 0 PSI |
| Loss for Master Valve: | 3.2 PSI |
| Critical Station Pressure at POC: | 68.5 PSI |
| Pressure Available: | 80 PSI |
| Residual Pressure Available: | 11.5 PSI |

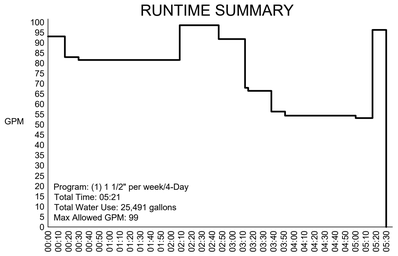
## VALVE SCHEDULE

| NUMBER | MODEL | SIZE | TYPE | GPM | DESIGN PSI | VELOCITY | FRICTION LOSS | VALVE LOSS | PSI | PSI LESS VALVE LOSS | MAINLINE LOSSES | PSI @ POC | RESIDUAL PSI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HUNTER ICV-G | 1" | TURF ROTOR | 24 | 45 | 5 Ft.sec. | 4.93 | 5.4 | 55.3 | 49.9 | 4.67 | 60 | 20 |
| 2 | HUNTER ICV-G | 1" | TURF ROTOR | 24 | 45 | 5 Ft.sec. | 2.79 | 5.4 | 53.2 | 47.8 | 4.61 | 57.8 | 22.2 |
| 3 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 53.6 | 50 | 5 Ft.sec. | 3.83 | 2.49 | 56.3 | 53.8 | 4.34 | 60.7 | 19.4 |
| 4 | HUNTER ICV-G | 2" | TURF ROTOR | 82.2 | 50 | 5 Ft.sec. | 1.51 | 2.78 | 54.3 | 51.5 | 4.2 | 58.5 | 21.5 |
| 5 | HUNTER ICV-G | 2" | TURF ROTOR | 75.3 | 50 | 5 Ft.sec. | 1.71 | 2.42 | 54.1 | 51.7 | 3.65 | 57.8 | 22.2 |
| 6 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 54.8 | 50 | 5 Ft.sec. | 1.86 | 2.58 | 54.4 | 51.9 | 4.86 | 59.3 | 20.7 |
| 7 | HUNTER ICV-G | 2" | TURF ROTOR | 82.2 | 50 | 5 Ft.sec. | 1.37 | 2.78 | 54.2 | 51.4 | 6.26 | 60.4 | 19.6 |
| 8 | HUNTER ICV-G | 2" | TURF ROTOR | 93.8 | 50 | 5 Ft.sec. | 1.42 | 3.58 | 55.0 | 51.4 | 6.34 | 61.3 | 18.7 |
| 9 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 54.8 | 50 | 5 Ft.sec. | 1.61 | 2.58 | 54.2 | 51.6 | 7.78 | 62.0 | 18.0 |
| 10 | HUNTER ICV-G | 2" | TURF ROTOR | 75.3 | 50 | 5 Ft.sec. | 2.86 | 2.42 | 55.3 | 52.9 | 11.5 | 66.7 | 13.3 |
| 11 | HUNTER ICV-G | 2" | TURF ROTOR | 82.2 | 50 | 5 Ft.sec. | 1.54 | 2.78 | 54.3 | 51.5 | 11.4 | 65.7 | 14.3 |
| 12 | HUNTER ICV-G | 2" | TURF ROTOR | 83.6 | 50 | 5 Ft.sec. | 3.27 | 2.86 | 56.1 | 53.3 | 11.1 | 67.2 | 12.8 |
| 13 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 67 | 50 | 5 Ft.sec. | 1.88 | 3.42 | 55.3 | 51.9 | 11.1 | 66.4 | 13.6 |
| 14 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 48.5 | 50 | 5 Ft.sec. | 5.29 | 2.13 | 57.4 | 55.3 | 11.1 | 68.5 | 11.5 |
| 15 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 68.5 | 50 | 5 Ft.sec. | 1.73 | 3.51 | 55.2 | 51.7 | 11.1 | 66.4 | 13.6 |
| 16 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 48.5 | 50 | 5 Ft.sec. | 0.69 | 2.13 | 52.8 | 50.7 | 11.2 | 64.0 | 16.0 |
| 17 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 56.8 | 50 | 5 Ft.sec. | 2.07 | 2.74 | 54.8 | 52.1 | 11.3 | 66.1 | 13.9 |
| 18 | HUNTER ICV-G | 1-1/2" | TURF ROTOR | 67 | 50 | 5 Ft.sec. | 1.63 | 3.42 | 55.0 | 51.6 | 11.4 | 66.4 | 13.6 |

## WATERING SCHEDULE

| NUMBER | MODEL | TYPE | PRECIP | IN./WEEK | MIN./WEEK | GAL./WEEK | GAL./DAY |
|---|---|---|---|---|---|---|---|
| 1 | HUNTER ICV-G | TURF ROTOR | 0.73 in/h | 1.5 | 123 | 2,952 | |
| 2 | HUNTER ICV-G | TURF ROTOR | 0.73 in/h | 1.5 | 124 | 2,976 | |
| 3 | HUNTER ICV-G | TURF ROTOR | 1.46 in/h | 1.5 | 62 | 3,323 | |
| 4 | HUNTER ICV-G | TURF ROTOR | 0.7 in/h | 1.5 | 129 | 10,604 | |
| 5 | HUNTER ICV-G | TURF ROTOR | 1.25 in/h | 1.5 | 73 | 5,497 | |
| 6 | HUNTER ICV-G | TURF ROTOR | 0.7 in/h | 1.5 | 129 | 7,069 | |
| 7 | HUNTER ICV-G | TURF ROTOR | 0.75 in/h | 1.5 | 120 | 9,864 | |
| 8 | HUNTER ICV-G | TURF ROTOR | 1.42 in/h | 1.5 | 64 | 6,003 | |
| 9 | HUNTER ICV-G | TURF ROTOR | 0.67 in/h | 1.5 | 134 | 7,343 | |
| 10 | HUNTER ICV-G | TURF ROTOR | 1.21 in/h | 1.5 | 75 | 5,648 | |
| 11 | HUNTER ICV-G | TURF ROTOR | 0.7 in/h | 1.5 | 129 | 10,604 | |
| 12 | HUNTER ICV-G | TURF ROTOR | 1.8 in/h | 1.5 | 50 | 4,180 | |
| 13 | HUNTER ICV-G | TURF ROTOR | 1.67 in/h | 1.5 | 54 | 3,618 | |
| 14 | HUNTER ICV-G | TURF ROTOR | 1.7 in/h | 1.5 | 53 | 2,571 | |
| 15 | HUNTER ICV-G | TURF ROTOR | 0.83 in/h | 1.5 | 109 | 7,467 | |
| 16 | HUNTER ICV-G | TURF ROTOR | 1.75 in/h | 1.5 | 52 | 2,522 | |
| 17 | HUNTER ICV-G | TURF ROTOR | 1.71 in/h | 1.5 | 53 | 3,010 | |
| 18 | HUNTER ICV-G | TURF ROTOR | 2.75 in/h | 1.5 | 33 | 2,211 | |
| | | TOTALS: | | | 1,566 | 97,461 | |

## RUNTIME SUMMARY




1. DESIGN BASED ON POC ANALYSIS (downstream of meter).
2. This irrigation design is from the point of connection only. This design is based on the pressure and volume indicated in the POC Analysis, which is furnished and verified by others. Booster station is required.
3. Contractor shall be responsible to field verify the information in the POC Analysis.
4. This irrigation design is diagramatic. Adjustments to pipe, valve and/or head placement may be required of contractor.
5. FULL and COMPLETE coverage is required. The irrigation contractor shall make any necessary minor adjustments to the irrigation layout required to achieve FULL and COMPLETE coverage of irrigated areas at no additional cost to owner.
6. Bidding contractors shall become thoroughly familiar with all facets of the proposed irrigation system and the control requirements & specifications. Failure to clarify misunderstandings or the intent of this drawing and/or specifications before submittal of bid shall be the sole responsibility of the contractor.
7. This irrigation system shall be installed as per manufactures specifications.
8. This irrigation design shows necessary materials, but certain other materials may have to be supplied and installed by the irrigation contractor in order to have, upon completion, a fully operational irrigation system.
9. The irrigation contractor shall locate ALL underground utilities, and they shall take every precaution not to damage or disturb such improvements. Coordinate with General Contractor as necessary.
10. The irrigation contractor shall arrange for and pay for any necessary permits and/or inspections required by local agencies or ordinances during the course of construction.
11. Main Line piping shall be PVC CL200, Lateral piping shall be PVC CL200, 1 $\frac{1}{2}$" and above, 1 $\frac{1}{4}$" & 1" shall be 100# NSF Poly Pipe, $\frac{3}{4}$" or less equipment only. Flex pipe allowed - less than 3' only.
12. ALL backflow devices shall be installed as per local code.
13. ALL wiring as per local code.
14. Electrical power shall be provided to within five (5) feet of controller and pump location. Coordinate with Owners Representative as to the final location of controller. Coordinate with Electrical Contractor as required.
15. Control wire shall be solid copper wire U.L. approved for direct burial in ground. Minimum gauge - #14 (#12 for runs over 2000') or as otherwise specified. Decoder wire shall be jacketed minimum #14 (#12 for runs over 2000'). Wire runs to moisture sensors shall be jacketed #14 gauge. Ground Wire (where applicable) shall be white.
16. 24VAC wire splicing material will be direct burial splice kit as manufactured by 3M, specifically DBY-6 & DBR-6. Coat all wire connections with GB liquid tape prior to placing wire nut/connector.
17. Install rain sensors on vertical surfaces. Coordinate with Owners Representative as to final location of rain sensor, moisture sensors, weather stations and any additional sensors.
18. ALL valves, quick-couplers and wire splices shall be located in valve boxes with labeled covers and buried flush with grade.
19. Winterization of the irrigation system shall be as per the manufacturers specifications.
20. Coordinate location & installation of all connection equipment with Owner's Representative.

## 1 IRRIGATION GENERAL NOTES:

328409-107


LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District

**BASEBALL & SOFTBALL COMPLEX RENOVATION**

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MLC IRRIGATION CONSULTANTS
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www.mainlineconsulting.net


SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
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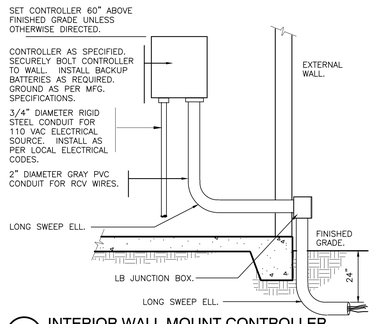
|---|---|
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 06.26.26 |
| DRAWN BY | DRW |
| REVIEWED BY | CHK |

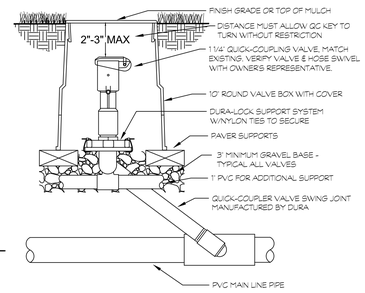
IRRIGATION LAYOUT & SCHEDULES

# LI - 01

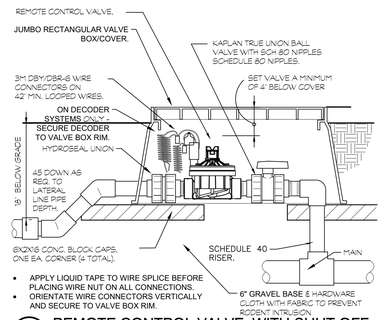
ISSUED FOR REBID



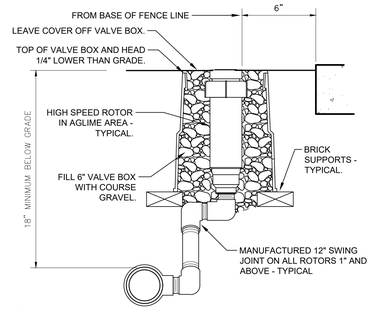

1 INTERIOR WALL MOUNT CONTROLLER
1" = 12" 328403\13-08



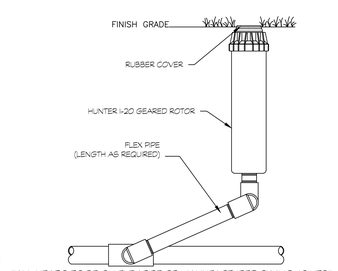

2 QUICK COUPLER ON DURA SWING JOINT
3" = 1'-0" 328406.43-10



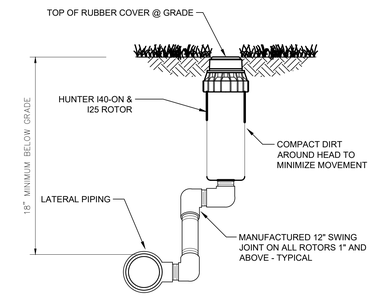

3 REMOTE CONTROL VALVE WITH SHUT OFF
1 1/2" = 1'-0" 328408.13-27



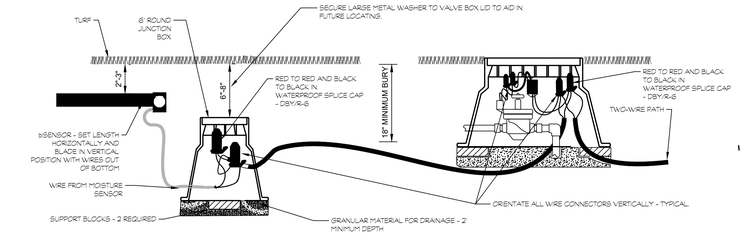

4 AGLIME HIGH SPEED ROTORS
3" = 1'-0" 328403\16-18



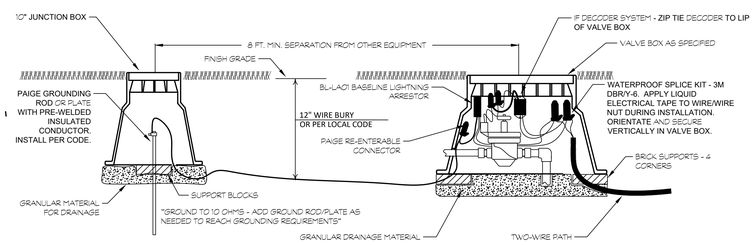

5 HUNTER I-20
3" = 1'-0" 328403\16-22




6 HUNTER I-40-ON & I25
3" = 1'-0" 328403\16-23




7 BASELINE SOIL MOISTURE SENSOR - SPORTS TURF
1 1/2" = 1'-0" 32 8409.66-07




8 BL-LA01 LIGHTNING ARRESTOR
1 1/2" = 1'-0" 32 8409.79-04

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| PROJECT NUMBER | PROJ.NO. |
| DATE OF ISSUE | DATE |
| DRAWN BY | DRW |
| REVIEWED BY | CHK |

IRRIGATION DETAILS

LI - 02

ISSUED FOR REBID

# DESIGN CRITERIA

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH IBC 2021 AND SUBSEQUENT REFERENCE STANDARDS.
2. RISK CATEGORY: II
3. SUPERIMPOSED DEAD LOADS:

| | | |
|---|---|---|
| ROOF | TYPICAL | 25 PSF (10 PSF AT BOTTOM CHORD) |
| FLOOR | TYPICAL | 20 PSF (10 PSF AT BOTTOM CHORD) |

4. LIVE LOADS: LIVE LOAD REDUCTION USED AS ALLOWED PER CODE

| | | |
|---|---|---|
| ROOF | TYPICAL | 20 PSF |
| FLOOR | TYPICAL | 50 PSF |
| OTHER | HANDRAILS | MAX OF 50 PLF HORIZ PLUS 50 PLF VERT OR 200 LBS IN ANY DIRECTION, APPLIED AT TOP OF RAILING |

5. MECHANICAL UNITS: THE CONTRACTOR SHALL CONFIRM THE ACTUAL MECHANICAL UNITS PURCHASED ARE OF WEIGHT AND SIZE SUCH THAT:
   a. THE UNIT WEIGHT IS LESS THAN OR EQUAL TO WEIGHT LISTED ON PLAN.
   b. THE UNIT LENGTH IS LESS THAN 15 FEET. IF UNIT LENGTH IS GREATER THAN 15 FEET, SNOW DRIFT ON ROOF SHALL BE ACCOUNTED FOR.
   c. THE TOTAL SUPERIMPOSED LOAD UNDER EACH UNIT DOES NOT EXCEED THE LIVE LOAD FOR WHICH THE FLOOR WAS DESIGNED IN THE FLOOR AREA WHERE THE UNIT IS LOCATED AS INDICATED BY THE EQUATION BELOW:

| | | |
|---|---|---|
| TOTAL SUPERIMPOSED LOAD UNDER UNIT = | TOTAL EQUIPMENT WEIGHT / UNIT FOOTPRINT AREA = | INDICATED SERVICE LEVEL LOAD |
| TOTAL EQUIPMENT WEIGHT = | OPERATING WEIGHT OF UNIT + CONCRETE HOUSEKEEPING PAD + INERTIA BLOCK + OTHER ANCILLARY ITEMS ASSOCIATED WITH THE EQUIPMENT | |
| UNIT FOOTPRINT AREA = | EFFECTIVE AREA OF UNIT OR HOUSEKEEPING PAD, WHICHEVER IS LARGER | |
| EFFECTIVE AREA = | (LENGTH + 6 FEET) x (WIDTH + 6 FEET) | |

CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION ON THE LOCATION OF ANY MECHANICAL UNITS WHERE THE SUPERIMPOSED LOAD UNDER THE UNIT EXCEEDS THE INDICATED DESIGN SIZE AND LOAD FOR THE ROOF AND/OR LIVE LOAD FOR THE FLOOR AS INDICATED ON THE PLAN.

6. PREFABRICATED TRUSS LOADS:

| | | | |
|---|---|---|---|
| ROOF (TYPICAL) | DEAD LOAD AT TOP CHORD | 15 PSF* | |
| | DEAD LOAD AT BOTTOM CHORD | 10 PSF* | |
| | LIVE LOAD AT TOP CHORD | SEE SNOW LOAD SECTION | |
| | LIVE LOAD AT BOTTOM CHORD | 0 PSF | |
| | WIND LOAD | SEE WIND LOAD SECTION*** | |
| FLOOR | DEAD LOAD AT TOP CHORD | 10 PSF* | |
| | DEAD LOAD AT BOTTOM CHORD | 10 PSF* | |
| | LIVE LOAD AT TOP CHORD | SEE LIVE LOAD SECTION | |
| | LIVE LOAD AT BOTTOM CHORD | 0 PSF | |

* DEAD LOADS DO NOT ACCOUNT FOR SELF-WEIGHT OF TRUSS. TRUSS SUPPLIER TO ACCOUNT FOR SELF-WEIGHT IN TRUSS DESIGN.
** PROVIDE ADDITIONAL LIVE LOAD DUE TO SNOW DRIFTING PER SNOW LOAD SECTION.
*** WHERE TRUSS ALIGNS WITH SHEAR WALL BELOW, DESIGN TRUSS FOR SHEAR LOAD LISTED IN SHEAR WALL SCHEDULE.

7. SNOW:

| | |
|---|---|
| GROUND SNOW | 20 PSF |
| SNOW EXPOSURE FACTOR | 1.0 |
| THERMAL FACTOR | 1.2 |
| SLOPE FACTOR(S) | 1.0 |
| IMPORTANCE FACTOR | 1.0 |
| FLAT-ROOF SNOW | 16 PSF |
| RAIN-ON-SNOW SURCHARGE | 5 PSF |
| DESIGN SNOW | 20 PSF |

8. SEISMIC:

| | |
|---|---|
| SEISMIC DESIGN CATEGORY | B |
| IMPORTANCE FACTOR | 1.0 |
| SITE CLASS | D |
| $S_S$ | 0.097 g |
| $S_1$ | 0.065 g |
| $S_{DS}$ | 0.103 g |
| $S_{D1}$ | 0.104 g |
| SEISMIC FORCE RESISTING SYSTEM | ORDINARY REINFORCED MASONRY SHEAR WALL<br>SHEATHED WOOD SHEAR WALL |
| RESPONSE MODIFICATION COEFFICIENT, R | R=2.5 (ORDINARY REINFORCED MASONRY SHEAR WALL)<br>R=6.0 (SHEATHED WOOD SHEAR WALL) |
| ANALYSIS PROCEDURE | EQUIVALENT LATERAL FORCE |
| SEISMIC RESPONSE COEFFICIENT, $C_S$ | _____ |
| DESIGN BASE SHEAR (STRENGTH LEVEL) | _____ KIPS |

9. WIND:

| | | | |
|---|---|---|---|
| BASIC WIND SPEED | $V_{ULT}$ = 108 MPH<br>$V_{ASD}$ = 85 MPH | | |
| EXPOSURE CLASS | B | | |
| INTERNAL PRESSURE COEFFICIENT, GCpi | ±0.18 | | |
| COMPONENTS & CLADDING: | | | |
| ROOF COMPONENTS | ZONE 1/1m/1g | ZONE 2/2r/ 2em/2eg | ZONE 3 |
| SUPPORT BEAMS (A>100 SF) | +18/-21 PSF | +19/-24 PSF | +18/-32 PSF |
| ROOF SHEATHING (A≥ 50 SF) | +19/-26 PSF | +19/-35 PSF | +19/-36 PSF |
| DECK FASTENERS (A≥ 10 SF) | +21/-34 PSF | +21/-46 PSF | +21/-47 PSF |
| WALL COMPONENTS | ZONE 4 | ZONE 5 | |
| A=200 SF | +17/-19 PSF | +17/-20 PSF | |
| A=50 SF | +19/-21 PSF | +19/-24 PSF | |
| A=20 SF | +20/-22 PSF | +20/-26 PSF | |

C & C NOTES:
   a. THE PRESSURES LISTED ARE IN ACCORDANCE IBC AND ASCE 7, AND THE DESIGN FORCES USED BY THE SUBCONTRACTOR FOR A SPECIFIC APPLICATION ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
   b. WIND PRESSURES ARE ULTIMATE DESIGN LEVEL.
   c. SEE ASCE 7 FOR ZONE DEFINITIONS AND EXTENT OF ZONES. 'a' = 4 FT.
   d. SUBMIT DESIGN CALCULATIONS SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT'S JURISDICTION FOR ANY DESIRED MODIFICATION TO THE STATED PRESSURES.

10. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MASONRY SHEAR WALL BELOW SECOND FLOOR AND WOOD SHEAR WALL ABOVE SECOND FLOOR IN EACH ORTHOGONAL DIRECTION. SEE PLANS FOR LOCATIONS. THE WOOD SHEATHING SERVE AS HORIZONTAL DIAPHRAGMS DISTRIBUTING THE LATERAL FORCES TO THE VERTICAL LATERAL ELEMENTS WHICH IN TURN CARRY THE LOAD TO THE BUILDING FOUNDATIONS.

# GENERAL

1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES. TEMPORARY BRACING, SHORING, GUYING, ETC. SHALL AVOID EXCESSIVE STRESSES AND HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK THAT DEVIATES FROM OR IS PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS, OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE DESIGN PROFESSIONALS.
3. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE CONSTRUCTION LOADS AND FOR DETERMINING SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKERS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: FALSEWORK, FORMWORK, STAGING, BRACING, AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
4. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO BID SUBMITTAL, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
5. STRUCTURAL SUBSTITUTIONS MAY BE ALLOWED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. SUPPLIER SHALL PROVIDE SIGNED AND SEALED DESIGN CALCULATIONS OR SUITABLE PRODUCT LITERATURE FOR THE COMPONENTS. ALL PRODUCT SUBSTITUTIONS SHALL INCLUDE A CODE EVALUATION REPORT SPECIFIC TO THE BUILDING CODE LISTED IN THE DESIGN CRITERIA.
6. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DESIGN.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. DO NOT SCALE PAPER OR ELECTRONIC DRAWINGS TO OBTAIN DIMENSIONS NOT SPECIFICALLY INDICATED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS, AND LARGE-SCALE DRAWINGS SHALL GOVERN OVER SMALL-SCALE DRAWINGS. IN CASE OF CONFLICTS OR UNCLEAR DIMENSIONS, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND ENGINEER TO DETERMINE THE REQUIRED DIMENSIONS.
9. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
10. SEE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF / FLOOR OPENINGS, TOP OF WALL ELEVATIONS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS. FOR THESE NON-STRUCTURAL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS, THEY ARE FOR GENERAL INFORMATION ONLY.
11. COORDINATE FLOOR FINISH INCLUDING, BUT NOT LIMITED TO THE "FLATNESS" AND "LEVELNESS" REQUIREMENTS, WITH THE FLOOR FINISH CONTRACTOR. PROVIDE UNDERLAYMENT / TOPPING WHERE REQUIRED TO PROVIDE A SURFACE ACCEPTABLE FOR INSTALLATION OF FLOOR FINISHES. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
12. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS, AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.
13. THE EXACT WEIGHTS, DIMENSIONS, AND LOCATIONS OF ALL MECHANICAL UNITS AND ELECTRICAL GEAR SUPPORTED ON STRUCTURAL FRAMING SHALL BE DETERMINED AND COORDINATED BY THE CONTRACTOR PRIOR TO DETAILING THE STRUCTURAL FRAMING SUPPORTING THOSE UNITS. IF THE UNIT WEIGHTS ARE GREATER THAN THE WEIGHTS SHOWN ON THE STRUCTURAL DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO DETAILING THE STRUCTURE. UNIT WEIGHTS, DIMENSIONS, AND LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE APPROXIMATE ONLY AND SHALL NOT BE USED FOR DETAILING THE STRUCTURE.
14. PROVIDE TEMPORARY BLOCKOUTS AND TEMPORARY OPENINGS IN THE STRUCTURE AS REQUIRED TO PERMIT INSTALLATION OF ALL WORK. BLOCKOUTS AND TEMPORARY OPENINGS SHALL BE LOCATED, CONFIGURED, DETAILED, AND INFILLED IN A MANNER THAT ALTERS NEITHER THE STRENGTH OF THE STRUCTURAL FRAMING NOR THE STRENGTH OF CONNECTIONS. INFILL ALL BLOCKOUTS AND TEMPORARY OPENINGS USING THE SAME MATERIALS SPECIFIED FOR THE FRAMING AT THE LOCATIONS WHERE THE BLOCKOUTS AND OPENINGS OCCUR. SUBMIT DRAWINGS INDICATING THE LOCATIONS, DIMENSIONS, AND DETAILS OF ALL PROPOSED BLOCKOUTS AND FIELD OPENINGS AND DETAILS INDICATING THE MANNER IN WHICH THE BLOCKOUTS AND OPENINGS WILL BE INFILLED.
15. NO HOLES, NOTCHES, BLOCK-OUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
16. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, CONTRACTOR SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH FIELD CONDITIONS, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT, ETC. THE PROPOSAL SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK.
17. ELEMENTS SUCH AS NON-BEARING PARTITIONS, ETC. ATTACHED TO AND/OR SUPPORTED BY THE STRUCTURE SHALL TAKE INTO ACCOUNT DEFLECTIONS AND OTHER STRUCTURAL MOVEMENTS. THE STRUCTURAL FRAMING WAS DESIGNED TO LIMIT DRIFT AND DEFLECTION OF THE STRUCTURAL SYSTEM TO LESS THAN THE MAXIMUM PERMITTED DEFLECTIONS LISTED IN THE BUILDING CODE. THE CONTRACTOR SHALL COORDINATE THE WORK OF OTHER TRADES TO ACCOMMODATE THESE DEFLECTIONS AND TO ACCOMMODATE CONSTRUCTION TOLERANCES.
18. TOPS OF ALL MASONRY WALLS SHALL BE CONNECTED TO THE UNDERSIDE OF THE STRUCTURAL FRAMING PER DETAILS PROVIDED ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SUCH WALLS.
19. FIRE PROTECTION FOR ALL STRUCTURAL PARTS SHALL BE PROVIDED AS SPECIFIED BY THE ARCHITECTURAL DRAWINGS. UL FIRE RESISTANCE RATING RESTRAINT CLASSIFICATION AS FOLLOWS:
   a. "PRIMARY STRUCTURAL FRAME", AS DEFINED BY IBC SECTION 202 IS "RESTRAINED" EXCEPT AS INDICATED IN FOLLOWING NOTE.
   b. THE FOLLOWING FRAMING IS "UNRESTRAINED":
      1. FRAMING SUPPORTED BY BEARING WALLS, OTHER THAN CAST-IN-PLACE CONCRETE WALLS, IN END BAYS AND OTHER LOCATIONS WHERE THE END OF THE FRAMING IS NOT ABUTTING FRAMING IN AN ADJACENT BAY.
      2. ALL WOOD CONSTRUCTION.

# SUBMITTALS

1. SUBMITTALS ARE:
   a. CONCRETE MIX DESIGNS
   b. CONCRETE COLD WEATHER CONSTRUCTION PLAN
   c. CONCRETE HOT WEATHER CONSTRUCTION PLAN
   d. MATERIAL PRODUCT DATA FOR STRUCTURAL MATERIALS
   e. CONCRETE AND MASONRY REINFORCING
   f. ENGINEERED LUMBER
   g. PANELIZED WALLS FOR WOOD BUILDINGS
   h. STEEL FABRICATION AND MISCELLANEOUS METALS
2. SUBMITTALS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE DESIGN PROFESSIONALS.
3. SUBMITTALS SHALL BE REVIEWED BY THE DESIGN PROFESSIONALS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE DESIGN PROFESSIONALS ON THE SHOP DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS.
4. FOR ADDITIONAL INFORMATION ON REQUIRED SUBMITTALS, SEE INDIVIDUAL MATERIAL SECTIONS.

# DELEGATED DESIGN

1. DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
2. DELEGATED DESIGNS ARE:
   a. EXCAVATION, SHORING, AND UNDERPINNING
   b. PREFABRICATED TRUSSES
   c. PREMANUFACTURED WOOD JOISTS
   d. CONCRETE COLD WEATHER CONSTRUCTION PLAN
   e. CONCRETE HOT WEATHER CONSTRUCTION PLAN
   f. SITE-CAST TILT-UP CONCRETE ERECTION DRAWINGS
   g. STRUCTURAL STEEL CONNECTIONS
   h. EXTERIOR WALL SYSTEMS
   i. CURTAIN WALL AND STOREFRONT SYSTEMS
   j. ROOFTOP EQUIPMENT ANCHORAGE AND CURBS
   k. STAIRS, ACCESS LADDERS, HANDRAILS, GUARDRAILS, AND GRATING
3. ALL DELEGATED DESIGNS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT'S JURISDICTION RESPONSIBLE FOR THE PREPARATION OF THESE DOCUMENTS.

4. STAIRS:
   a. STEEL STAIRS IN STEEL FRAMED STRUCTURES SHALL BE CONFIGURED SO THE STAIR STRINGERS CONNECT TO THE WEBS OF SUPPORTING STRUCTURAL STEEL FLOOR FRAMING MEMBERS. STAIR STRINGERS MAY NOT CONNECT TO SLABS ON DECK. STAIR STRINGER AND HANGER CONNECTIONS SHALL BE CONFIGURED SO THEY CONNECT TO THE SUPPORTING STRUCTURAL STEEL IN A MANNER THAT IMPOSES NO TORSION UPON THE SUPPORTING STRUCTURAL MEMBER. WHERE STAIR HANGERS MUST FRAME ECCENTRIC TO THE SUPPORTING STEEL, SUPPLEMENTAL FRAMING SHALL BE PROVIDED AS INDICATED ON THE CONTRACT DOCUMENTS TO PREVENT TORSION ON THE SUPPORTING STEEL FRAMING.
   b. DESIGN FRAMING MEMBERS IN COMMUNICATING STAIRS AND MONUMENTAL STAIRS TO LIMIT LIVE LOAD DEFLECTION TO THE SMALLER OF L/600 OR 1/4", SIZE STAIR FRAMING MEMBERS TO PROVIDE A STAIR ASSEMBLY WITH A NATURAL FREQUENCY > 5 HERTZ AND PEAK ACCELERATION, ap/g = 0.015, AS COMPUTED PER AISC DESIGN GUIDE 11 EQUATION 2.3 USING INDOOR FOOTBRIDGE CRITERIA.
   c. SEE ARCHITECTURAL DRAWINGS FOR STEEL STAIR DETAILS. DESIGN OF FRAMING MEMBERS AND CONNECTIONS TO BE BY SPECIALTY ENGINEER, WORKING DIRECTLY WITH THE STAIR DETAILER AND FABRICATOR. WHERE SUPPORT POSTS ARE REQUIRED, PROVIDE 3'-0" SQUARE x 1'-0" THICKENED SLAB WITH (4)#5 BOTTOM AT BASE OF STAIR.
5. FACADE:
   a. DESIGN AND DETAILING OF THE FACADE SYSTEM AND CONNECTIONS TO THE STRUCTURE SHALL TAKE INTO CONSIDERATION THE FOLLOWING MOVEMENTS:
      1. ±1/2" VERTICAL DIFFERENTIAL DEFLECTION OF SLAB EDGES ON ADJACENT FLOORS.
      2. ±1/2" HORIZONTAL DIFFERENTIAL DEFLECTION BETWEEN ADJACENT FLOORS
      3. DIFFERENTIAL THERMAL EXPANSION / CONTRACTION BETWEEN FACADE SYSTEM AND SUPPORTING PRIMARY STRUCTURAL SYSTEM
      4. THE FACADE SHALL NOT BE INSTALLED UNTIL AFTER THE SUPERSTRUCTURE HAS BEEN PLUMBED, ALL FRAMING CONNECTIONS HAVE BEEN INSTALLED, AND ALL SHORES AND RESHORES HAVE BEEN REMOVED.
      5. WHERE STRUCTURAL STEEL HORIZONTAL GIRTS ARE PROVIDED, THOSE GIRTS MAY BE USED ONLY TO RESIST LATERAL LOADS FROM THE FACADE. VERTICAL LOADS MAY NOT BE IMPOSED BY THE FACADE UPON THE GIRT FRAMING UNLESS THE SECTIONS AND DETAILS ON THE STRUCTURAL DRAWINGS SPECIFICALLY INDICATE THAT FACADE GRAVITY LOAD CONNECTIONS MAY BE MADE TO THE GIRTS.

# EARTHWORK

2. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT DATED JULY 9, 2026 BY TEAM SERVICES, INC. REPORT NO. 1-5913. REPORT IS ON FILE WITH THE ARCHITECT.
3. SOIL PROPERTIES:

| | |
|---|---|
| FROST DEPTH | 4'-0" FT (UNHEATED) |
| COEFFICIENT OF FRICTION | 0.35 |
| EQUIVALENT FLUID PRESSURES: | 40 |

4. SUBGRADE PREPARATION FOR FOOTINGS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND SHALL BE IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL DIRECT QUESTIONS REGARDING THE SUBGRADE PREPARATION REQUIREMENTS TO THE GEOTECHNICAL ENGINEER
5. ANY TESTS, INSPECTIONS, FIELD OBSERVATIONS, OR APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL BE PERFORMED PRIOR TO PLACEMENT OF CONCRETE. ALTERATIONS TO SITE PREPARATION OR GRADING SHALL BE REPORTED TO THE GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
6. PROPERTY LINE LOCATIONS INDICATED ON FOUNDATION PLANS ARE APPROXIMATE. SEE ARCHITECTURAL AND/OR SITE DRAWINGS FOR LOCATION OF THE STRUCTURE ON THE SITE.
7. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING / BASEMENT WALLS BEFORE CONCRETE HAS ATTAINED SPECIFIED COMPRESSIVE STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED 7-DAY STRENGTH MINIMUM. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB TOP AND BOTTOM ARE IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS.
8. SOIL BEHIND RETAINING WALLS AND BASEMENT WALLS SHALL BE DRAINED TO ELIMINATE HYDROSTATIC PRESSURE BEHIND THE WALL. DESIGN OF SUCH WALL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF THE CONTRACTOR.
9. CONTRACTOR SHALL PROVIDE DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUNDWATER, SEEPAGE. DETAILS OF GROUNDWATER INFORMATION SHALL BE OBTAINED FROM THE GEOTECHNICAL REPORT. IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION, PROCEDURES SHALL BE IMPLEMENTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
10. PROVIDE SHORING WHERE THERE IS INSUFFICIENT SPACE FOR STABLE-SLOPED EMBANKMENTS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEETING, SHORING, ETC. REQUIRED FOR CONSTRUCTION OF THE PROJECT AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT'S JURISDICTION.
12. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILL MATERIAL OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, AND FOUNDATIONS. IF ANY SUCH MATERIAL OR STRUCTURES ARE FOUND, ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
13. ANY REQUIRED IMPORT FILL SHALL HAVE A LOW POTENTIAL FOR EXPANSION AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTING.
14. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL. BELOW GRADE UTILITY OR PIPE ELEVATIONS, WHERE SHOWN, ARE INDICATED FOR REFERENCE ONLY. REQUIRED ELEVATIONS SHALL BE DETERMINED BY OTHERS AND COORDINATED WITH THE FOUNDATIONS.
15. WHERE GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF WALLS, BACKFILL SHALL BE PLACED SO THAT IT IS NOT UNBALANCED BY MORE THAN 2 FEET ON EITHER SIDE.
16. ALL REQUIRED BACKFILL AND UTILITY TRENCH BACKFILL WITHIN THE BUILDING AREA SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

# SHALLOW FOUNDATIONS

1. SEE THE GEOTECHNICAL REPORT FOR SHALLOW FOUNDATION REQUIREMENTS.
2. SHALLOW FOUNDATIONS SHALL HAVE THE FOLLOWING MINIMUM NET ALLOWABLE SERVICE LOAD BEARING PRESSURES:

| | |
|---|---|
| SERVICE LOAD BEARING PRESSURES: | |
| NET ALLOWABLE BEARING PRESSURE | 1500 PSF |

3. FOUNDATION ELEVATIONS SHOWN INDICATE LOCATIONS WHERE ADEQUATE SOIL BEARING PRESSURE IS ANTICIPATED. IF INADEQUATE BEARING CAPACITY IS ENCOUNTERED, CONTACT STRUCTURAL ENGINEER FOR RESOLUTION. BEARING ELEVATIONS ARE ESTIMATED FROM SOIL BORING DATA INDICATED IN THE GEOTECHNICAL REPORT. DETERMINATION OF FINAL BEARING ELEVATIONS AND FIELD VERIFICATION OF ALLOWABLE BEARING PRESSURE SHALL BE MADE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACING FOUNDATIONS.
4. ALL FOUNDATIONS SHALL BEAR BELOW THE FROST DEPTH, OR LOWER WHERE INDICATED ON FOUNDATION PLAN. IN CASE OF CONFLICT, NOTIFY THE DESIGN PROFESSIONALS IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR ADJUSTMENT.
5. FOUNDATIONS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL AND CLEAN AND FREE OF LOOSE DEBRIS AND STANDING WATER AT TIME OF CONCRETE PLACEMENT.
6. WHERE FOUNDATIONS BEAR ON ROCK, FOUNDATIONS SHALL BEAR ON THAT ROCK OR ON LEAN CONCRETE FILL.
7. NEW FOOTING BEARING ELEVATIONS SHALL MATCH ADJACENT EXISTING FOOTING BEARING ELEVATIONS WHERE OCCURRING UON.
8. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOOTINGS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL UON IN THE GEOTECHNICAL REPORT. CONTACT STRUCTURAL ENGINEER WHERE ADEQUATE SLOPE IS NOT ACHIEVED.

# CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AND ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE UON.
2. CONCRETE MATERIALS SHALL CONFORM TO:

| | |
|---|---|
| PORTLAND LIMESTONE CEMENT | ASTM C595, TYPE IL |
| PORTLAND CEMENT | ASTM C150, TYPE I |
| FLY ASH | ASTM C618, TYPE C OR F |
| SLAG CEMENT | ASTM C989 |
| FINE AND COARSE AGGREGATE | ASTM C33 |
| LIGHTWEIGHT AGGREGATE | ASTM C330 |
| WATER | POTABLE |
| AIR-ENTRAINING ADMIXTURE | ASTM C260 |
| WATER REDUCING ADMIXTURE | ASTM C494 |

3. CONCRETE STRENGTHS SHALL CONFORM TO:

| COMPONENT | f'c AT 28 DAYS[1] (PSI) | MAX PERMITTED W/C | EXPOSURE CLASS |
|---|---|---|---|
| SHALLOW FOUNDATIONS | 4500 | 0.45 | F2, S0, W0, C0 |
| GRADE BEAMS | 4500 | 0.45 | F2, S0, W0, C0 |
| INTERIOR SLAB-ON-GRADE | 3000 | 0.60 | F0, S0, W0, C0 |
| WALLS[1] | 4000 | 0.50 | F1, S0, W1, C0 |
| EXTERIOR EQUIPMENT PADS | 4500 | 0.45 | F2, S0, W0, C0 |

[1]WALLS MONOLITHIC WITH COLUMNS OR PIERS SHALL BE CONSTRUCTED USING CONCRETE SPECIFIED FOR THE COLUMNS WITHIN 15 FEET MINIMUM TO EACH SIDE OF THE COLUMN.

4. AIR ENTRAINMENT:

| NOMINAL MAXIMUM AGGREGATE SIZE | REQUIRED AIR CONTENT PER EXPOSURE CATEGORY | | |
|---|---|---|---|
| | F0 | F1 | F2/F3 |
| 3/8" | N/A | 6% | 7.5% |
| 1/2" | N/A | 5.5% | 7% |
| 3/4" | N/A | 5% | 6% |
| 1" | N/A | 4.5% | 6% |

   a. CONCRETE SHALL BE AIR ENTRAINED WITH THE APPROPRIATE PERCENTAGE AIR CONTENT LISTED IN THE TABLE ABOVE AS APPLICABLE FOR THE INDICATED EXPOSURE CLASS AND NO

16. ELECTRICAL CABLE AND CONDUIT (HEREAFTER REFERRED TO AS CONDUIT) MAY BE INSTALLED IN POST-TENSIONED CONCRETE SLABS AND IN CONVENTIONALLY REINFORCED CAST-IN-PLACE SLABS SUBJECT TO THE FOLLOWING CONSTRAINTS:
    a. CONDUIT SHALL BE NO LARGER THAN 1 1/2" MAXIMUM OUTSIDE DIAMETER.
    b. PARALLEL CONDUITS SHALL BE INSTALLED IN A SINGLE LAYER AND SHALL BE SPACED NO CLOSER THAN 3".
    c. CONDUIT SHALL BE INSTALLED WITHIN THE MIDDLE THIRD OF THE SLAB DEPTH.
    d. REQUIRED MINIMUM CLEAR COVER BETWEEN TOP OF SLAB AND TOP OF CONDUIT EQUALS 1".
    e. ONLY ONE LAYER OF CONDUIT MAY CROSS OVER ANOTHER LAYER OF CONDUIT AT ANY ONE LOCATION AND CROSSING CONDUIT SHALL OCCUR ONLY WITHIN THE MIDDLE HALF OF A SLAB SPAN. (I.E. - CONDUIT MAY CROSS ONLY WITHIN THE MIDDLE 15 FT OF A 30 FT SPAN.)
    f. CONDUIT SHALL BE INSTALLED NO CLOSER THAN 3 FEET FROM THE FACE OF ANY COLUMN OR SHEAR WALL EXCEPT WHERE PERMITTED PER THE FOLLOWING 2 NOTES.
    g. A GROUP OF UP TO THREE (3) CONDUITS MAY EXIT THE SLAB ADJACENT TO THE FACE OF A COLUMN OR SHEAR WALL PROVIDED THAT THE CONDUITS ARE INSTALLED SO THEY APPROACH THE FACE OF THE COLUMN OR SHEAR WALL IN A DIRECTION PERPENDICULAR TO THE FACE.
    h. CONDUITS MAY PASS THROUGH A SHEAR WALL PROVIDED THE CONDUITS APPROACH THE WALL AND PASS THROUGH THE WALL PERPENDICULAR TO THE FACE OF THE WALL.
    i. LOCATIONS WHERE MULTIPLE CONDUITS EXIST VERTICALLY FROM THE SLAB SHALL BE TREATED AS A MULTIPLE SLAB OPENING AND ADDITIONAL REINFORCING STEEL SHALL BE PROVIDED AROUND THE EFFECTIVE SLAB OPENING AS REQUIRED.
    j. CONDUIT SHALL BE INSTALLED NO CLOSER THAN 3 FEET TO POST-TENSIONED TENDON ANCHORS.
    k. PLACEMENT OF THE SLAB REINFORCING STEEL AND POST-TENSIONED TENDONS TAKES PRECEDENCE OVER PLACEMENT OF CONDUIT. MOVING, SHIFTING, OR REALIGNING OF TENDONS AND REINFORCING STEEL TO FACILITATE CONDUIT INSTALLATION IS NOT PERMITTED.
    l. COORDINATED DRAWINGS SHALL BE SUBMITTED FOR REVIEW SHOWING THE PROPOSED LOCATIONS OF ALL SLAB-EMBEDDED ELECTRICAL CONDUIT. THESE DRAWINGS SHALL SHOW "DRAWN TO SCALE" CONDUIT RUNS, LOCATIONS, AND DIMENSIONS WHERE GROUPED CONDUITS EXIT THE SLABS ALONG WITH LOCATIONS AND DIMENSIONS OF SLAB-EMBEDDED ELECTRICAL BOXES.
    m. INSTALLATION OF CONDUIT IN PARKING LEVEL SLABS AND SLABS EXPOSED TO WEATHER IS NOT PERMITTED.
17. ELECTRICAL CABLE AND CONDUIT (HEREAFTER REFERRED TO AS CONDUIT) MAY BE INSTALLED WITHIN THE FOAM VOIDS OF FILIGREE FLOOR SLABS WITHOUT RESTRICTION. CONDUIT MAY NOT BE INSTALLED IN SOLID FILIGREE SLABS. CONDUIT MAY BE INSTALLED WITHIN THE CAST-IN-PLACE CONCRETE ZONES OF VOIDED FILIGREE SLABS SUBJECT TO THE FOLLOWING CONSTRAINTS:
    a. CONDUIT SHALL BE NO LARGER THAN 1 1/2" MAXIMUM OUTSIDE DIAMETER.
    b. PARALLEL CONDUITS SHALL BE INSTALLED IN A SINGLE LAYER AND SHALL BE SPACED NO CLOSER THAN 3".
    c. CONDUIT SHALL BE INSTALLED WITHIN THE MIDDLE THIRD OF THE SLAB DEPTH.
    d. REQUIRED MINIMUM CLEAR COVER BETWEEN TOP OF SLAB AND TOP OF CONDUIT EQUALS 1".
    e. CONDUIT SHALL NOT BE INSTALLED ON TOP OF FOAM VOIDS. CONDUIT LOCATED OVER FOAM VOID AREAS SHALL BE INSTALLED WITHIN THE DEPTH OF THE FOAM.
    f. CONDUIT SHALL NOT BE INSTALLED ON TOP OF FOAM VOIDS. CONDUIT LOCATED OVER FOAM VOID AREAS SHALL BE INSTALLED WITHIN THE DEPTH OF THE FOAM.
    g. ONLY ONE LAYER OF CONDUIT MAY CROSS OVER ANOTHER LAYER OF CONDUIT AT ANY ONE LOCATION AND CROSSING CONDUIT SHALL OCCUR ONLY WITHIN THE MIDDLE HALF OF A SLAB SPAN. (I.E - CONDUIT MAY CROSS ONLY WITHIN THE MIDDLE 15 FT OF A 30 FT SPAN.)
    h. CONDUIT SHALL BE INSTALLED NO CLOSER THAN 3 FEET FROM THE FACE OF ANY COLUMN OR SHEAR WALL EXCEPT WHERE PERMITTED PER THE FOLLOWING 2 NOTES.
    i. A GROUP OF UP TO THREE (3) CONDUITS MAY EXIT THE SLAB ADJACENT TO THE FACE OF A COLUMN OR SHEAR WALL PROVIDED THAT THE CONDUITS ARE INSTALLED SO THEY APPROACH THE FACE OF THE COLUMN OR SHEAR WALL IN A DIRECTION PERPENDICULAR TO THE FACE.
    j. CONDUITS MAY PASS THROUGH A SHEAR WALL PROVIDED THE CONDUITS APPROACH THE WALL AND PASS THROUGH THE WALL PERPENDICULAR TO THE FACE OF THE WALL.
    k. LOCATIONS WHERE MULTIPLE CONDUITS EXIST VERTICALLY FROM THE SLAB SHALL BE TREATED AS A MULTIPLE SLAB OPENING AND ADDITIONAL REINFORCING STEEL SHALL BE PROVIDED AROUND THE EFFECTIVE SLAB OPENING AS REQUIRED.
    l. A MAXIMUM OF TWO 3/4" CONDUITS ARE PERMITTED TO BE INSTALLED WITHIN AND PARALLEL TO ANY 8" SOLID CONCRETE RIB BETWEEN THE FOAM VOIDS. CONDUIT SHALL BE INSTALLED NO CLOSER THAN 1" CLEAR TO THE WIRE TRUSSES PROTRUDING FROM THE FILIGREE PRECAST.
    m. PLACEMENT OF THE SLAB REINFORCING STEEL TAKES PRECEDENCE OVER PLACEMENT OF CONDUIT. MOVING, SHIFTING, OR REALIGNING OF REINFORCING STEEL TO FACILITATE CONDUIT INSTALLATION IS NOT PERMITTED.
    n. COORDINATED DRAWINGS SHALL BE SUBMITTED FOR REVIEW SHOWING THE PROPOSED LOCATIONS OF ALL SLAB-EMBEDDED ELECTRICAL CONDUIT. THESE DRAWINGS SHALL SHOW "DRAWN TO SCALE" CONDUIT RUNS, LOCATIONS, AND DIMENSIONS WHERE GROUPED CONDUITS EXIT THE SLABS ALONG WITH LOCATIONS AND DIMENSIONS OF SLAB-EMBEDDED ELECTRICAL BOXES.
    o. INSTALLATION OF CONDUIT IN PARKING LEVEL SLABS AND SLABS EXPOSED TO WEATHER IS NOT PERMITTED.
18. PROVIDE CONTINUOUS BENTONITE WATERSTOPS IN ALL CONSTRUCTION JOINTS IN BELOW GRADE CONCRETE CONSTRUCTION. COORDINATE WATERSTOPS WITH ARCHITECTURAL DRAWINGS.
19. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER UON ON ARCHITECTURAL DRAWINGS.
20. SLOPE SLABS TO DRAINS. SEE ARCHITECTURAL AND MEP DRAWINGS FOR DRAIN LOCATIONS AND SLOPE REQUIREMENTS. SLAB THICKNESSES SHOWN ON DRAWINGS ARE MINIMUMS.
21. NO LOADS SHALL BE PLACED ON STRUCTURAL CONCRETE SLABS ON DECK WITHIN 7 DAYS AFTER CONCRETE IS PLACED.
22. AFTER CONCRETE IS PLACED, IN NO CASE SHALL THE SUPERIMPOSED CONSTRUCTION LOADS BE GREATER THAN SPECIFIED DESIGN LIVE LOADS UNLESS THE WORK IS SHORED.
23. NOTIFY THE ARCHITECT 48 HOURS MINIMUM PRIOR TO ALL POURS.
24. CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS.
25. ALL FORMWORK, SHORING, AND RESHORING SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER LICENSED IN THE PROJECT'S JURISDICTION. ALL SUBMISSIONS SHALL BE SIGNED AND SEALED.
26. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS MINIMUM THICKNESS. PROVIDE ALLOWANCES FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
27. PROVIDE SELF-LEVELING UNDERLAYMENT AT ELEVATED CONCRETE SLABS AND SLABS ON DECK AS REQUIRED TO MEET FLOOR FLATNESS AND LEVELNESS REQUIREMENTS.
28. CORING OF CONCRETE IS NOT PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER. SUBMIT LOCATIONS OF PROPOSED CONCRETE CORES.
29. REINFORCING STEEL SHALL NOT BE DAMAGED WHEN DRILLING CONCRETE. DRYPACK AND GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 7000 PSI, UON.
31. PROPOSED CONCRETE MIX DESIGNS SHALL BE PREPARED IN ACCORDANCE WITH _____.
32. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE TESTING AND INSPECTION AGENCY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH THE APPLICABLE CODE. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.
33. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH CBC SECTION 1903A AND 1904A.[ENGR NOTE: KEEP IF PROJECT IS IN CALIFORNIA.]
34. CONTRACTOR SHALL SUBMIT A SINGLE DIMENSIONED AND COORDINATED DRAWING FOR EACH LEVEL SHOWING THE LOCATIONS OF THE FOLLOWING:
    a. SLAB OPENINGS AND PENETRATIONS
    b. SLEEVES, CAST-IN-PLACE AND POST-INSTALLED FIELD CORED
    c. SLAB-EMBEDDED ELECTRICAL CABLE AND CONDUIT
    d. EMBEDDED PLATES AND ALL OTHER EMBEDDED ITEMS
    e. POST-TENSIONED TENDONS AND STRESSING ANCHORS
35. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, LOCATIONS, AND DETAILS OF ALL ARCHITECTURAL FEATURES IN THE CONCRETE. SEE ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR REQUIREMENTS FOR ALL CONCRETE FINISHES.

## MASONRY

1. CMU CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH TMS 402/602 "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES".
2. MINIMUM 28-DAY COMPRESSIVE STRENGTHS FOR CMU CONSTRUCTION SHALL BE:

| | |
|---|---|
| DESIGN ASSEMBLY STRENGTH, f'm | 2500 PSI |
| INDIVIDUAL CONCRETE MASONRY UNITS | 3250 PSI |
| GROUT | 2500 PSI |

3. CMU MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:

| | |
|---|---|
| CONCRETE MASONRY UNITS | ASTM C90, NORMAL-WEIGHT UON |
| MORTAR | ASTM C270, TYPE S UON<br>ASTM C270, TYPE M (HIGH LOADING OR BELOW GRADE) |
| GROUT | ASTM C476 |
| JOINT REINFORCING | ASTM A82 |

4. WIRE REINFORCING PER ASTM A82 FOR SINGLE-WYTHE CMU WALLS, CMU CAVITY WALLS, AND MULTI-WYTHE COMPOSITE CMU WALLS SHALL BE HOT-DIP GALVANIZED PER ASTM A153, CORROSION RESISTANT HORIZONTAL LADDER-TYPE JOINT REINFORCING WITH THE FOLLOWING GAUGE AND VERTICAL SPACING:

| | |
|---|---|
| RUNNING BOND | 9GA @ 16" OC (ALL WIDTHS) |
| BELOW GRADE WALLS | 9GA @ 8" OC |
| OTHER THAN RUNNING BOND | 9GA @ 16" OC (6"-8" WIDTHS)<br>9GA @ 8" OC (10"-16" WIDTHS) |

5. ALL LOAD BEARING CMU WALLS TO HAVE FULL MORTAR BED, HEAD, AND COLLAR JOINTS.
6. GROUT SOLID ALL JAMBS FULL HEIGHT IN LOAD BEARING CMU WALLS TO UNDERSIDE OF STEEL LINTEL PLUS ONE CELL BEYOND BEARING LENGTH.
7. PROVIDE MINIMUM 1" GROUT BETWEEN MAIN REINFORCING AND/OR BOLTS AND CMU UNIT FACE. VERTICAL REINFORCEMENT SHALL BE CENTERED IN WALL UON. VERTICAL REINFORCING BARS SHALL BE SECURELY HELD IN POSITION BY WIRE TIES OR OTHER APPROVED MEANS TO ENSURE DESIGN LOCATION AND LAP. PLACE BARS AND LAP PRIOR TO GROUTING.
8. HORIZONTAL BOND BEAM AND VERTICAL REINFORCING SHALL BE CONTINUOUS UON.
9. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWEL SIZE AND LOCATION IN FOOTINGS SHALL BE SET TO ALIGN WITH VERTICAL REINFORCING STEEL WITHIN 6" TOLERANCE. VERTICAL REINFORCEMENT TO RUN FULL HEIGHT OF WALL UON.
10. ALL CELLS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT.
11. GROUT SOLID ALL COURSES BELOW GRADE.
12. GROUT IN 5'-4" MAXIMUM LIFTS.
13. LIFTS OF GROUT SHALL BE KEYED 1 1/2" INTO THE PREVIOUS COURSE BELOW.
14. HORIZONTAL BAR REINFORCEMENT SHALL BE FULLY EMBEDDED IN GROUT IN AN UNINTERRUPTED POUR.
15. ALL BOND BEAMS TO HAVE A MINIMUM 8" DEPTH. PROVIDE TALLER BOND BEAMS AS NEEDED FOR COURSING OR TO AVOID INTERFERENCE BETWEEN REINFORCING STEEL AND POST-INSTALLED ANCHORS. CUT AND STEP BOND BEAM AS REQUIRED.
16. PROVIDE HORIZONTAL TIES WHERE CMU ABUTS CONCRETE.
17. COORDINATE ANY UNIDENTIFIED PIPE OR DUCT PASSING THROUGH STRUCTURAL CMU WALLS WITH TYPICAL DETAILS UON. ADDITIONAL LINTELS MAY BE REQUIRED. COORDINATE WITH STRUCTURAL ENGINEER FOR REQUIRED LINTEL SIZE BEFORE CONSTRUCTION OF CMU WALL.
18. PIPE AND CONDUIT SHALL NOT BE PERMITTED IN CELLS WITH VERTICAL REINFORCEMENT. CONDUIT TO BE LOCATED TO AVOID ALL HORIZONTAL REINFORCEMENT. NO ALUMINUM CONDUITS PERMITTED.
19. SEE ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN, AND JOINT TYPE. ALL BLOCK SHALL BE LAID IN RUNNING BOND UON.
20. SEE ARCHITECTURAL DRAWINGS FOR OTHER WALL ASSEMBLY COMPONENTS.
21. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF ALL NON-LOAD BEARING CMU WALLS.
22. MINIMUM WALL VERTICAL REINFORCING SHALL BE #5 BAR FULL HEIGHT IN CENTER OF GROUTED CELL AT WALL INTERSECTIONS, CORNERS, WALL ENDS, JAMBS AT WALL OPENINGS IN SIDE OF CONTROL JOINTS, AND AT INTERVALS NOT TO EXCEED 48" UON.
23. MINIMUM HORIZONTAL REINFORCING SHALL BE (2)#5 BARS IN CENTER OF MINIMUM 16" DEEP CONTINUOUS GROUTED BOND BEAM AT ELEVATED FLOOR, INTERMEDIATE STAIR LANDINGS, AND ROOF LINES AND (1)#5 BAR IN CENTER OF 8" DEEP CONTINUOUS GROUTED BOND BEAM AT TOP OF PARAPET OR FREE-STANDING WALL AND AT INTERVALS NOT TO EXCEED 48' UON. PLACE BARS AT ELEVATED FLOOR AND ROOF LINES CONTINUOUS THROUGH CONTROL JOINTS.

## LINTELS

1. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY CONSTRUCTION. LINTELS ARE NOT REQUIRED OVER OPENINGS 12" OR LESS IN WIDTH THAT ARE AT LEAST 1 COURSE BELOW THE BOND BEAM AT THE TOP OF WALL.
2. PENETRATIONS NOT IDENTIFIED ON THE DOCUMENTS ARE TO BE TREATED IN A MANNER SIMILAR TO THE IDENTIFIED LOCATIONS.
3. LINTELS IN NON-BEARING WALLS AND CLADDING SHALL BE SIZED PER THE FOLLOWING:SINGLE ANGLE SIZES FOR CLADDING ARE BASED ON SUPPORTING 8 FT OF BRICK W/ 1" AIR GAP. DOUBLE ANGLE AND CMU LINTEL SIZES ARE BASED ON SUPPORTING 20 FT OF UNREINFORCED CMU, NEGLECTING ARCHING ACTION

| SPAN, L | 4" CLADDING | 8" CMU * |
|---|---|---|
| 0' < L = 4'-0" | L4x4x1/4 | (2) L3 1/2x3 1/2x1/4 |
| 4'-0" < L = 6'-0" | L6x4x5/16 (LLV) | (2) L4x3 1/2x3/8 (LLV) |
| 6'-0" < L = 8'-0" | L7x4x3/8 (LLV) | (2) L5x3 1/2x3/8 (LLV) |

| CMU BLOCK OPTIONS | | | | |
|---|---|---|---|---|
| SPAN, L | 6" | 8" | 10" | 12" |
| 0' < L = 4'-0" | 8" DEEP w/ (1)#4 BOT | 8" DEEP w/ (1)#4 BOT | 8" DEEP w/ (1)#5 BOT | 8" DEEP w/ (1)#5 BOT |
| 4'-0" < L = 6'-0" | 8" DEEP w/ (1)#4 BOT | 8" DEEP w/ (1)#5 BOT | 8" DEEP w/ (1)#5 BOT | 16" DEEP w/ (1)#5 BOT |
| 6'-0" < L = 8'-0" | 16" DEEP w/ (1)#4 BOT | 16" DEEP w/ (1)#4 BOT | 16" DEEP w/ (1)#5 BOT | 16" DEEP w/ (1)#5 BOT |
| 8'-0" < L = 10'-0" | 16" DEEP w/ (1)#5 BOT | 16" DEEP w/ (2)#5 BOT | 16" DEEP w/ (2)#5 BOT | 16" DEEP w/ (2)#5 BOT |

*ALL ANGLES TO BE BACK-TO-BACK AND WELDED TOP AND BOTTOM 3" @ 12".

4. ALL LINTELS SHALL HAVE A MINIMUM OF 8" END BEARING AND DO NOT REQUIRE BEARING PLATES UON.
5. TEMPORARY SHORING OF CMU LINTELS MUST BE PROVIDED UNTIL CMU HAS REACHED 75% OF DESIGN STRENGTH.
6. ALL STEEL LINTELS IN EXTERIOR WALL CONSTRUCTION SHALL BE HOT-DIP GALVANIZED UON.
7. AT STEEL WIDE FLANGE LINTELS WITH SPANS LONGER THAN 16", PROVIDE GROUTED TIE/SOAP BLOCKS TO STEEL BEAM WEB WITH WELDED METAL TIES AT 16".

## STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

| | | |
|---|---|---|
| WIDE FLANGE AND WT SHAPES | ASTM A992 | Fy=50 KSI |
| WIDE FLANGE SHAPES, HIGH-STRENGTH WHERE NOTED | ASTM A913, GR 65 | Fy=65 KSI |
| CHANNEL SHAPES | ASTM A992 | Fy=50 KSI |
| ANGLE SHAPES | ASTM A572 | Fy=50 KSI |
| PIPE SECTIONS | ASTM A53, GR B | Fy=35 KSI |
| HSS SECTIONS, ROUND | ASTM A500, GR C | Fy=50 KSI |
| HSS SECTIONS, SQ/RECT | ASTM A500, GR C | Fy=50 KSI |
| PLATES | ASTM A572 | Fy=50 KSI |
| ANCHOR RODS | ASTM F1554, GR 36 | Fy=36 KSI |
| HIGH STRENGTH BOLTS | ASTM F3125, GR A325 | Fu=120 KSI |
| HIGH STRENGTH TWIST-OFF BOLTS | ASTM F3125, GR F1852 | Fu=120 KSI |
| HEAVY HEX NUTS | ASTM A563 | |
| WASHERS FOR HIGH STRENGTH BOLTS | ASTM F436 | |
| HEADED STUD ANCHORS (HSA) | ASTM A108, TYPE B | |
| WELDING | AWS D1.1, 70KSI FILLER METAL | |

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". SEE DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTIONS SHALL BE GRADE A325N BEARING TYPE BOLTS UON. ALL BOLTS SHALL BE INSTALLED TO A MINIMUM SNUG TIGHT CONDITION UON.
5. WELD LENGTHS INDICATED ON THE DRAWINGS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE WELD LENGTH IS NOT SPECIFIED, PROVIDE WELD ALONG ENTIRE INTERSECTION OF THE JOINED PARTS. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM WELD SIZE AS SPECIFIED IN AISC 360, TABLE J2.4.
6. SHOP CONNECTIONS SHALL BE WELDED UON. ALL FIELD WELDS WITH A SHOP WELD SYMBOL MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. LOCATIONS OF ALL FIELD WELDS SHALL BE CLEARLY SHOWN ON THE SHOP DRAWINGS.
7. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS WITH EXPERIENCE AND CERTIFICATION IN THE TYPES OF WELDING INDICATED. WELDERS SHALL HAVE BEEN RECENTLY QUALIFIED AS PRESCRIBED IN "QUALIFICATION PROCEDURES" OF THE AMERICAN WELDING SOCIETY (AWS).
8. HEADED STUD ANCHORS (HSA): SHALL BE INSTALLED IN ACCORDANCE WITH AWS D1.1 AND SHALL BE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE END OF THE HSA AND THE STEEL SHAPE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE HSA AND THE STEEL SHAPE. THE HSA SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8"Ø AND SMALLER AND 3/16" FOR LARGER THAN 5/8"Ø.
9. MINIMUM HORIZONTAL CONCRETE COVER FOR HSA TO BE 2".
10. BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE DRAWINGS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.
11. SPLICING OF STEEL MEMBERS WHERE NOT DETAILED ON THE DRAWINGS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE, AND CONNECTION TO BE MADE.
12. PROVIDE ONE SHOP COAT OF PAINT ON ALL STRUCTURAL STEEL NOT COVERED WITH CONCRETE, FIREPROOFING, MASONRY, OR AT CONTACT SURFACES AT HIGH STRENGTH BOLTS.
13. ALL STEEL EXPOSED TO WEATHER OR AS NOTED ON PLAN SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 G90. ABRADED AREAS TO BE TOUCHED UP WITH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH ASTM A780.
14. ALL GALVANIZED HOLLOW SECTIONS SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
15. CUTS, HOLES, OPENINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OR TORCHING OF HOLES, CUTS, AND OTHER FIELD MODIFICATIONS SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
16. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC. FOR MISCELLANEOUS STEEL NOT DETAILED SPECIFICALLY ON THE STRUCTURAL DRAWINGS.
17. GROUT FOR BASE AND BEARING PLATES SHALL BE A NON-SHRINK, NON-METALLIC PRODUCT. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 7000 PSI. INSTALL GROUT PRIOR TO APPLYING SIGNIFICANT LOADING TO MEMBER.
18. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR REVIEW AND APPROVAL BEFORE FABRICATION.
19. ALL WELDING ELECTRODES SHALL BE E70XX UON. WELDING ELECTRODES FOR ASTM A913, GR65 MEMBERS AND THEIR CONNECTIONS SHALL BE E80XX.

## WOOD

1. **STRUCTURAL SHEATHING:**
2. ALL PANELS TO BE PLYWOOD OR OSB UON. PLYWOOD SHALL BE MINIMUM 5 PLY CONSTRUCTION. EACH PANEL SHALL BEAR THE QUALITY TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL MEET THE REQUIREMENTS OF U.S. PRODUCT STANDARDS PS 1 OR PS 2 FOR WOOD SHEATHING.
3. ALL PANELS SHALL CONFORM TO THE FOLLOWING NOMINAL THICKNESS, SPAN RATING, AND NAILING PATTERN UON.

| THICKNESS | SPAN RATING | EDGE NAILING | FIELD NAILING | NAILING AT BEAMS AND COLLECTORS |
|---|---|---|---|---|
| 3/8" | 24/0 | 8d@6" | 8d@12" | 8d@6" |
| 7/16" | 24/16 | 8d@6" | 8d@12" | 8d@6" |
| 15/32" (1/2") | 32/16 | 8d@6" | 8d@12" | 8d@6" |
| 19/32" (5/8") | 32/16 | 10d@6" | 10d@12" | 10d@6" |
| 23/32" (3/4") | 48/24 | 10d@6" | 10d@12" | 10d@6" |
| 1" | 60/48 | 10d@6" | 10d@12" | 10d@6" |
| 1 1/8" | 60/48 | 10d@6" | 10d@12" | 10d@6" |

4. ROOF SHEATHING:
    a. 15/32" MINIMUM UON.
    b. PANEL EDGE SUPPORT SHALL BE EITHER TONGUE-AND-GROOVE EDGE, PANEL EDGE CLIP MIDWAY BETWEEN SUPPORTS, OR LUMBER BLOCKING OF 2x4 MINIMUM SIZE.
    c. THICKNESS AND GRADE:
        1. 5/8" "C-D", EXPOSURE 1
        2. 1 1/8", STURD-I-FLOOR, EXPOSURE 1
5. FLOOR SHEATHING:
    a. 3/4" MINIMUM UON.
    b. FLOORS SHALL BE NAILED AND GLUED PER APA GLUED FLOOR SYSTEM REQUIREMENTS. THE GLUE SHALL CONFORM TO PERFORMANCE SPECIFICATION ASTM D3498. FOLLOW MANUFACTURER'S SPECIFIC APPLICATION RECOMMENDATIONS.
    c. THICKNESS AND GRADE:
        1. 3/4" "C-D", EXPOSURE 1
        2. 3/4", STURD-I-FLOOR, EXPOSURE 1
6. WALL SHEATHING:
    a. SEE PLANS AND SCHEDULE FOR SHEAR WALL SHEATHING REQUIREMENTS. FOR OTHER WALL SHEATHING, SEE ARCHITECTURAL DRAWINGS UON.
    b. PROVIDE MINIMUM 2x SOLID BLOCKING AT PANEL EDGES OF SHEAR WALL SHEATHING.
    c. AT SHEAR WALLS, PROVIDE NAILING PER SCHEDULE OR MINIMUM LISTED ABOVE.
7. FASTENING REQUIREMENTS UON:
    a. SHEATHING FASTENERS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE FACE PLY.
    b. HOT-DIP GALVANIZED NAILS SHALL BE USED WHEN NAILING TO PRESSURE TREATED MEMBERS.
8. PANEL LAYOUT:
    a. LONG DIMENSION OF PANEL TO BE PERPENDICULAR TO FRAMING MEMBERS, EXCEPT PANELS AT WALLS MAY BE INSTALLED WITH LONG DIMENSION PARALLEL TO STUDS UON.
    b. END JOINTS IN ADJACENT RUNS SHALL BE STAGGERED 4 FEET.
    c. MINIMUM PANEL WIDTH SHALL BE 12".
    d. EDGES OF ALL PANELS LESS THAN 24" WIDE SHALL BE BACKED BY BLOCKING OF 2x4 MINIMUM SIZE.
    e. PROVIDE 1/8" GAP AT ALL SHEATHING JOINTS FOR FLOORS AND WALLS UON ON PLAN OR DETAILS.
9. IF SHEATHING PANELS EXHIBIT SWELLING, NAIL HEAD PULL-THROUGH, SOFT SPOTS, OR OTHER CONDITIONS REDUCING THE STRUCTURAL CAPACITY, REMOVE AND REPLACE.
10. **LUMBER:**
11. COMPLY WITH ANSI/AWC NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
13. ALL FRAMING LUMBER SHALL BE SPRUCE PINE FIR, GRADED BY NATIONAL LUMBER GRADES AUTHORITY. NOTED ALLOWABLE STRESSES ARE MINIMUMS AND FOR NONREPETITIVE USES PRIOR TO ALLOWABLE STRESS INCREASES AND CONFORMING TO THE NDS AS FOLLOWS:

| | |
|---|---|
| 2" THICK x 4" TO 6" WIDE (WALL STUD ONLY) | NO. 2<br>Fb=875 PSI<br>Fv=135 PSI |
| 2" TO 4" THICK x 6" AND WIDER | NO. 2<br>E=1,400,000 PSI<br>Fb=875 PSI<br>Fv=135 PSI |
| 5" THICK x 5" AND WIDER | NO. 1<br>E=1,400,000 PSI<br>Fb=900 PSI<br>Fv=125 PSI |

14. ALL LUMBER STRESSES SHOWN ABOVE ARE FOR VISUALLY STRESS-RATED LUMBER USED AT 19% MAXIMUM MOISTURE CONTENT WHERE BUILDING IS ENCLOSED, SINGLE MEMBER USE. ALL LUMBER SHALL BE GRADE MARKED.
15. PROVIDE MINIMUM 1 1/2" JOIST BEARING LENGTH UON.
16. NOTCHING OR DRILLING HOLES IN LUMBER FRAMING MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
17. **MANUFACTURED WOOD PRODUCTS:**
18. LAMINATED VENEER LUMBER (LVL):
    SIZES SHOWN ARE AS MANUFACTURED BY TRUS JOIST, BOISE CASCADE, LOUISIANA PACIFIC, ROSEBURG FOREST PRODUCTS, REDBUILT. MATERIALS, FABRICATION, HANDLING, AND INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
    MATERIAL STRENGTHS:

| | |
|---|---|
| MODULUS OF ELASTICITY, E | 2,000,000 PSI |
| BENDING STRENGTH, Fb | 2600 PSI |
| SHEAR STRENGTH, Fv | 285 PSI |

19. PARALLEL STRAND LUMBER (PSL):
    SIZES SHOWN ARE AS MANUFACTURED BY TRUS JOIST. MATERIALS, FABRICATION, HANDLING, AND INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
    MATERIAL STRENGTHS:

| | |
|---|---|
| MODULUS OF ELASTICITY, E | 2,000,000 PSI |
| BENDING STRENGTH, Fb | 2900 PSI |
| SHEAR STRENGTH, Fv | 290 PSI |
| AXIAL STRENGTH, Fc | 2900 PSI |

20. NOTCHING OR DRILLING HOLES IN MANUFACTURED WOOD PRODUCTS THAT ARE DIFFERENT FROM THE MANUFACTURER'S GUIDELINES MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION PER DETAILED INSTALLATION RECOMMENDATIONS AND GUIDELINES OF THE MANUFACTURER.
22. NAILING INTO THE SIDE FACE OF AN I-JOIST TOP/BOTTOM CHORD IS NOT PERMITTED.
23. PROVIDE BLOCKING SEATING FLANGES OVOTH A SHOP WELD
24. ALL HANGERS SELECTED SHALL MATCH THE SIZE OF SUPPORTED MEMBER AND SHALL HAVE FULL NAILING AS SHOWN IN THE ICC REPORT.
25. SUBSTITUTIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND HAVE ICC APPROVED LOAD CAPACITIES EQUAL TO OR GREATER TH

## GENERAL

1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION, SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS OF NON-STRUCTURAL COMPONENTS.
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:
   a. SUBMIT A PROPOSED TESTING AND INSPECTION PROGRAM TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
   b. PERFORM ALL TESTING AND INSPECTION REQUIRED PER APPROVED TESTING AND INSPECTION PROGRAM.
   c. FURNISH INSPECTION REPORT TO THE BUILDING OFFICIAL, THE OWNER, THE ARCHITECT, STRUCTURAL ENGINEER AND THE GENERAL CONTRACTOR. THE REPORTS SHALL BE COMPLETED AND FURNISHED WITHIN 48 HOURS OF INSPECTED WORK.
   d. SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTION AGENCY'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTIONS AND TESTS ARE REQUIRED FOR MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN CHAPTER 17 OF THE IBC OR IN STANDARDS REFERENCED BY THE IBC. THESE ITEMS INCLUDE:
   a. POST-INSTALLED ANCHORS - INSPECTION
5. THE FOLLOWING WORK SHALL BE INSPECTED BY THE SPECIAL INSPECTOR UNLESS SPECIFICALLY WAIVED BY THE BUILDING OFFICIAL.

## CONCRETE CONSTRUCTION

| VERIFICATION AND TESTING | CONTINUOUS | PERIODIC | MATERIAL STD REFERENCE | IBC REFERENCE |
|---|---|---|---|---|
| INSPECT REINFORCEMENT AND VERIFY PLACEMENT | - | X | ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3 | - |
| REINFORCING BAR WELDING: | | | AWS D1.4<br>ACI 318: 26.6.4 | |
| a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 | - | X | - | - |
| b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" | - | X | - | - |
| c. INSPECTS ALL OTHER WELDS | X | - | - | - |
| INSPECT ANCHORS CAST IN CONCRETE | - | X | ACI 318: 17.8.2 | - |
| INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS: | | | | |
| a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS | X | - | ACI 318: 17.8.2.4 | - |
| b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE | - | X | ACI 318: 17.8.2 | - |
| VERIFY USE OF REQUIRED DESIGN MIX | - | X | ACI 318: CH 19, 26.4.3, 26.4.4 | 1904.1, 1904.2 |
| PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE | X | - | ASTM C172, ASTM C31, ACI 318: 26.5, 26.12 | - |
| INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES | X | - | ACI 318: 26.5 | - |
| VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES | - | X | ACI 318: 26.5.3-26.5.5 | - |
| a. INSTALLATION OF THE EMBEDDED PARTS | X | - | - | - |
| b. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS | X | - | ACI 550.5 | - |
| c. COMPLETION OF CONNECTIONS IN THE FIELD | X | - | - | - |
| VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS. | - | X | ACI 318: 26.11.2 | - |
| INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED | - | X | ACI 318: 26.11.1.2(b) | - |

## MASONRY CONSTRUCTION - LEVEL 2

| VERIFICATION AND INSPECTION TASK | CONTINUOUS | PERIODIC | TMS 402 | TMS 602 |
|---|---|---|---|---|
| PRIOR TO CONSTRUCTION: | | | | |
| a. VERIFICATION OF COMPLIANCE OF SUBMITTALS | X | - | - | ART. 1.5 |
| b. VERIFICATION OF f'm | X | - | - | ART. 1.4 B |
| AS CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE: | | | | |
| a. PROPORTIONS OF SITE-PREPARED MORTAR | - | X | - | ART. 2.1, 2.6 A & 2.6 C |
| b. GRADE AND SIZE OF ANCHORAGES | - | X | - | ART. 2.4 B & 2.4 H |
| c. GRADE, TYPE, AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND ANCHORAGES | - | X | - | ART. 3.4 & 3.6 A |
| e. SAMPLE PANEL CONSTRUCTION | - | X | - | ART. 1.6 D |
| PRIOR TO GROUTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE: | | | | |
| a. GROUT SPACE | - | X | - | ART. 3.2 D & 3.2 F |
| c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS | - | X | SEC. 6.1, 6.3.1, 6.3.6 & 6.3.7 | ART. 3.2 E & 3.4 |
| d. PROPORTIONS OF SITE-PREPARED GROUT | - | X | - | ART. 2.6 B & 2.4 G.1.b |
| e. CONSTRUCTION OF MORTAR JOINTS | - | X | - | ART. 3.3 B |
| DURING CONSTRUCTION: | | | | |
| a. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE | X | - | - | ART. 1.5 & 1.6.3 |
| b. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS | - | X | - | ART. 1.5 |
| c. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION | - | X | - | ART. 3.3 B |
| d. SIZE AND LOCATION OF STRUCTURAL MEMBERS | - | X | - | ART. 3.3 F |
| e. TYPE, SIZE, AND LOCATIONS OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION | - | X | SEC. 1.2.1(e), 6.2.1 & 6.3.1 | - |
| f. WELDING OF REINFORCEMENT | X | - | SEC. 6.1.6.1.2 | - |
| g. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F) | - | X | - | ART. 1.8 C & 1.8 D |
| h. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE | X | - | - | ART. 3.6 B |
| i. PLACEMENT OF GROUT IS IN COMPLIANCE | X | - | - | ART. 3.5 & 3.6 C |
| OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS | - | X | - | ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3 & 1.4 B.4 |

## STRUCTURAL STEEL - INSPECTION TASKS PRIOR TO BOLTING (AS A MINIMUM)

| VERIFICATION AND INSPECTION TASK | QC | QA | AISC 360 | RCSC SECTIONS |
|---|---|---|---|---|
| MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS | O | P | TABLE N5.6-1 | 2.1, 9.1 |
| FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS | O | O | TABLE N5.6-1 | FIG. C-2.1, 9.1 |
| CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE) | O | O | TABLE N5.6-1 | 2.3.2, 2.7.2, 9.1 |
| CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL | O | O | TABLE N5.6-1 | 4, 8 |
| CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS | O | O | TABLE N5.6-1 | 3, 9.1, 9.3 |
| PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED | P | O | TABLE N5.6-1 | 7, 9.2 |
| PROTECTION STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS | O | O | TABLE N5.6-1 | 2.2, 8, 9.1 |

O = OBSERVE AND P = PERFORM

## STRUCTURAL STEEL - INSPECTION TASKS DURING BOLTING (AS A MINIMUM)

| VERIFICATION AND INSPECTION TASK | QC | QA | AISC 360 | RCSC SECTIONS |
|---|---|---|---|---|
| FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED | O | O | TABLE N5.6-2 | 7.1(1), 8.1, 9.1 |
| JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION | O | O | TABLE N5.6-2 | 8.1, 9.1 |
| FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING | O | O | TABLE N5.6-2 | 8.2, 9.2 |
| FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES | O | O | TABLE N5.6-2 | 8.2, 9.2 |

O = OBSERVE

## STRUCTURAL STEEL - INSPECTION TASKS AFTER BOLTING (AS A MINIMUM)

| VERIFICATION AND INSPECTION TASK | QC | QA | AISC 360 | RCSC SECTIONS |
|---|---|---|---|---|
| DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS | P | P | TABLE N5.6-3 | - |

P = PERFORM

## STRUCTURAL STEEL - INSPECTION TASKS PRIOR TO WELDING (AS A MINIMUM)

| VERIFICATION AND INSPECTION TASK | QC | QA | AISC 360 | AWS D1.1 CLAUSES |
|---|---|---|---|---|
| WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS | P | O | TABLE N5.4-1 | - |
| WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE | P | P | TABLE N5.4-1 | 6.3 |
| MANUFACTURER CERTIFICATES FOR WELDING CONSUMABLES AVAILABLE | P | P | TABLE N5.4-1 | 6.2 |
| MATERIAL IDENTIFICATION (TYPE/GRADE) | O | O | TABLE N5.4-1 | 6.2 |
| WELDER IDENTIFICATION | O | O | TABLE N5.4-1 | 6.4 (WELDER QUALIFICATION) |
| FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) | | | | |
| a. JOINT PREPARATIONS | O | O | TABLE N5.4-1 | 6.5.2 |
| b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) | O | O | TABLE N5.4-1 | 5.22 |
| c. CLEANLINESS (CONDITION OF STEEL SURFACES) | O | O | TABLE N5.4-1 | 5.14 |
| d. TACKING (TACK WELD QUALITY AND LOCATION) | O | O | TABLE N5.4-1 | 5.17 |
| e. BACKING TYPE AND FIT (IF APPLICABLE) | O | O | TABLE N5.4-1 | 5.9, 5.21.1.1 |
| FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, & K- JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) | | | | |
| a. JOINT PREPARATIONS | P | O | TABLE N5.4-1 | 9.11.2 |
| b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) | P | O | TABLE N5.4-1 | 9.11.2 |
| c. CLEANLINESS (CONDITION OF STEEL SURFACES) | P | O | TABLE N5.4-1 | 9.11.2 |
| d. TACKING (TACK WELD QUALITY AND LOCATION) | P | O | TABLE N5.4-1 | 9.11.2 |
| CONFIGURATION AND FINISH OF ACCESS HOLES | O | O | TABLE N5.4-1 | 6.5.2, 5.16 (& SEE AISC 360 SECTION J1.6) |
| FIT-UP OF FILLET WELDS | O | O | TABLE N5.4-1 | - |
| a. DIMENSIONS (ALIGNMENT, GAPS AT ROOT) | O | O | TABLE N5.4-1 | 5.21.1 |
| b. CLEANLINESS (CONDITION OF STEEL SURFACES) | O | O | TABLE N5.4-1 | 5.14 |
| c. TACKING (TACK WELD QUALITY AND LOCATION) | O | O | TABLE N5.4-1 | 5.17 |
| CHECK WELDING EQUIPMENT | O | - | TABLE N5.4-1 | 6.2, 5.10 |

O = OBSERVE AND P = PERFORM

## STRUCTURAL STEEL - INSPECTION TASKS DURING WELDING (AS A MINIMUM)

| VERIFICATION AND INSPECTION TASK | QC | QA | AISC 360 | AWS D1.1 CLAUSES |
|---|---|---|---|---|
| USE OF QUALIFIED WELDERS | O | O | TABLE N5.4-2 | 6.4 |
| CONTROL AND HANDLING OF WELDING CONSUMABLES | O | O | TABLE N5.4-2 | 6.2 |
| a. PACKAGING | O | O | TABLE N5.4-2 | 5.3.1 |
| b. EXPOSURE CONTROL | O | O | TABLE N5.4-2 | 5.3.2 (FOR SMAW), 5.3.3 (FOR SAW) |
| NO WELDING OVER CRACKED TACK WELDS | O | O | TABLE N5.4-2 | 5.17 |
| ENVIRONMENTAL CONDITIONS | | | | |
| a. WIND SPEED WITHIN LIMITS | O | O | TABLE N5.4-2 | 5.11.1 |
| b. PRECIPITATION AND TEMPERATURE | O | O | TABLE N5.4-2 | 5.11.2 |
| WPS FOLLOWED | O | O | TABLE N5.4-2 | 6.3.3, 6.5.2, 5.5, 5.20 |
| a SETTINGS ON WELDING EQUIPMENT | O | O | TABLE N5.4-2 | |
| b. TRAVEL SPEED | O | O | TABLE N5.4-2 | |
| c. SELECTED WELDING MATERIALS | O | O | TABLE N5.4-2 | |
| d. SHIELDING GAS TYPE/FLOW RATE | O | O | TABLE N5.4-2 | |
| e. PREHEAT APPLIED | O | O | TABLE N5.4-2 | 5.6, 5.7 |
| f. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) | O | O | TABLE N5.4-2 | |
| g. PROPER POSITION (F, V, H, OH) | O | O | TABLE N5.4-2 | |
| WELDING TECHNIQUES | O | O | TABLE N5.4-2 | 6.5.2, 6.5.3, 5.23 |
| a. INTERPASS AND FINAL CLEANING | O | O | TABLE N5.4-2 | 5.29.1 |
| b. EACH PASS WITHIN PROFILE LIMITATIONS | O | O | TABLE N5.4-2 | |
| c. EACH PASS MEETS QUALITY REQUIREMENTS | O | O | TABLE N5.4-2 | |
| PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS | P | P | TABLE N5.4-2 | - |

O = OBSERVE AND P = PERFORM

## STRUCTURAL STEEL - INSPECTION TASKS AFTER WELDING (AS A MINIMUM)

| VERIFICATION AND INSPECTION TASK | QC | QA | AISC 360 | AWS D1.1 CLAUSES |
|---|---|---|---|---|
| WELDS CLEANED | O | O | TABLE N5.4-3 | 5.29.1 |
| SIZE, LENGTH, AND LOCATION OF WELDS | P | P | TABLE N5.4-3 | 6.5.1 |
| WELDS MEET VISUAL ACCEPTANCE CRITERIA | | | | 6.5.3 |
| a. CRACK PROHIBITION | P | P | TABLE N5.4-3 | TABLE 6.1(1) |
| b. WELD/BASE-METAL FUSION | P | P | TABLE N5.4-3 | TABLE 6.1(2) |
| c. CRATER CROSS-SECTION | P | P | TABLE N5.4-3 | TABLE 6.1(3) |
| d. WELD PROFILES | P | P | TABLE N5.4-3 | TABLE 6.1(4), 5.24 |
| e. WELD SIZE | P | P | TABLE N5.4-3 | TABLE 6.1(6) |
| f. UNDERCUT | P | P | TABLE N5.4-3 | TABLE 6.1(7) |
| g. POROSITY | P | P | TABLE N5.4-3 | TABLE 6.1(8) |
| ARC STRIKES | P | P | TABLE N5.4-3 | 5.28 |
| k-AREA[1] | P | P | TABLE N5.4-3 | - |
| WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES[2] | P | P | TABLE N5.4-3 | 5.16, 6.5.2 (& SEE AISC 360 SECT J1.6) |
| BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED) | P | P | TABLE N5.4-3 | 5.9, 5.30 |
| REPAIR ACTIVITIES | P | P | TABLE N5.4-3 | 6.5.3, 5.25 |
| DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER | P | P | TABLE N5.4-3 | 6.5.4, 6.5.5 |
| NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR | O | O | TABLE N5.4-3 | - |

O = OBSERVE AND P = PERFORM

[1] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD. THE VISUAL INSPECTION SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWING COMPLETION OF THE WELDING.

[2] AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

## WOOD FRAMING

| VERIFICATION AND INSPECTION TASK | CONTINUOUS | PERIODIC | IBC REFERENCE |
|---|---|---|---|
| PREFABRICATED WOOD STRUCTURAL ELEMENTS | - | X | 1704.2.5 |
| INSTALLATION OF PERMANENT RESTRAINT/BRACING FOR METAL-PLATE-CONNECTED WOOD TRUSS INDIVIDUAL MEMBERS SPANNING 60 FEET OR GREATER | - | X | 1705.5.2 |
| TEMPORARY INSTALLATION OF RESTRAINT/BRACING FOR METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER | - | X | 1705.5.2 |
| HIGH-LOAD DIAPHRAGMS: | | | |
| a. SHEATHING GRADE AND THICKNESS | X | - | 1705.5.1 |
| b. MEMBER SIZES AT ADJOINING PANEL EDGES | X | - | 1705.5.1 |
| c. DIAPHRAGM NAILING (SIZE, LENGTH, QUANTITY, AND SPACING) | X | - | 1705.5.1 |
| LATERAL FORCE RESISTING SYSTEMS (SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDOWNS, WHERE FASTENER SPACING AT PANEL EDGES IS 4" OR LESS): | | | |
| a. FIELD GLUING OF ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM | X | - | 1705.11.1, 1705.12.2 |
| b. NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM | - | X | 1705.11.1, 1705.12.2 |

## SOILS

| VERIFICATION AND INSPECTION TASK | CONTINUOUS | PERIODIC |
|---|---|---|
| VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY | - | X |
| VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL | - | X |
| PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIAL | - | X |
| DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. | X | - |
| PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY | - | X |


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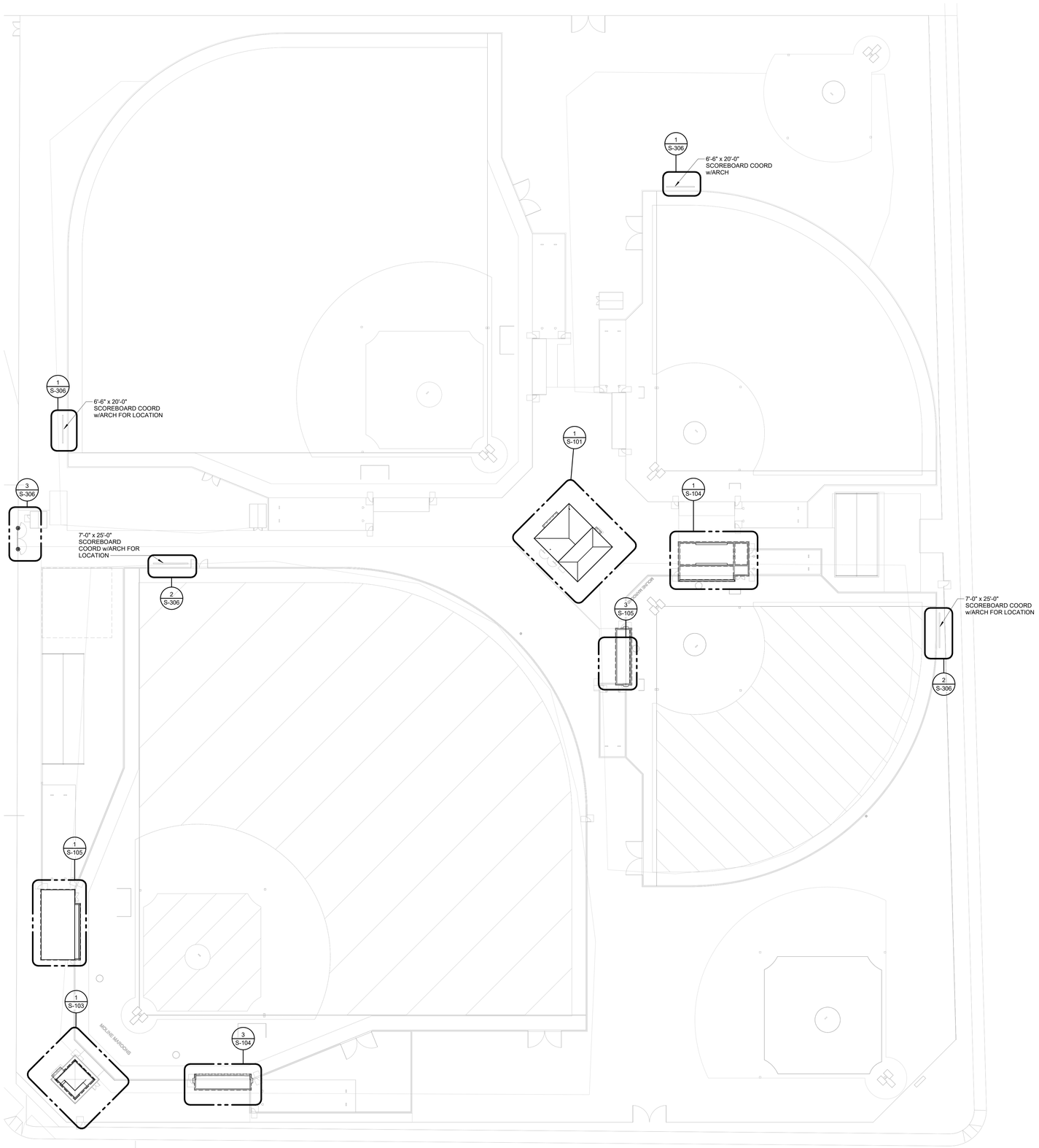


## 1 OVERALL PLAN

1/32" = 1'-0"

NORTH

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OVERALL PLAN

# S-100

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## CONTINUOUS FOOTING SCHEDULE

| MARK | WIDTH | DEPTH | REINFORCING (BOT, UON) LONG | SHORT | REMARKS |
|---|---|---|---|---|---|
| CF1.5 | 1'-6" | 3'-4" | 3#5 T& B | | INTERIOR AND EXTERIOR |

## WOOD HEADER SCHEDULE

| wt | MEMBER SIZE | REMARKS |
|---|---|---|
| H1 | (2)2x6 | |
| H2 | (3)2x10 | |
| H3 | (3) 1 3/4"x9 1/2" | PARALLAM |
| H4 | (3) 1 3/4"x7 1/4" | PARALLAM |

## FOUNDATION WALL REINFORCING SCHEDULE

| WALL THICKNESS | HORIZONTAL EXTERIOR FACE | HORIZONTAL INTERIOR FACE | VERTICAL EXTERIOR FACE | VERTICAL INTERIOR FACE | REMARKS |
|---|---|---|---|---|---|
| 0" TO 10" | #5@12" | - | #5@12" | - | SEE NOTE 1 |
| 1'-0" TO 1'-4" | #5@12" | #5@12" | #5@12" | #5@12" | - |

NOTE:

1. CENTERED IN WALL THICKNESS.

## CMU WALL REINFORCING SCHEDULE

| MARK MW# | WALL THICKNESS | VERTICAL BAR SIZE AND SPACING | REMARKS |
|---|---|---|---|
| MW1 | 6" | #4@48" | - |
| MW2 | 8" | #5@48" | - |

NOTES:

1. TYP HORIZ REINF PER SPECIFICATIONS AND IS INTENDED TO BE A 'DUROWALL - TRUSS TYPE' OR EQUIVALENT.
2. 'GROUT ALL CORES' INDICATES EVERY REINFORCED CORE AND UNREINFORCED CORE.
3. REINFORCED CORES ARE ALWAYS GROUTED.
4. SEE S-300 FOR TYP CMU DETAILING.

## LINTEL SCHEDULE

| MARK | MEMBER SIZE | REFERENCE DETAIL | REMARKS |
|---|---|---|---|
| L1 | 8" DEEP LINTEL BEAM W/ (2)#4 | - | <=4'-0 |
| L2 | 16" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 4'-0" TO 6'-0" |
| L3 | 24" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 6'-0" TO 8'-0" |

NOTE:

1. BEARING LENGTH EACH END = 8" UON.

## WOOD FLOOR/ROOF JOIST SCHEDULE

| MARK | SIZE | REMARKS |
|---|---|---|
| FJ-1 | 2x10@16" | |
| FJ-2 | 2x8@16" | |
| RJ-1 | 2x8@16" | |
| RJ-2 | 2x8@16" | |
| RJ-3 | (2)2x12@16" | |

## WOOD POST SCHEDULE

| MARK | TOTAL STUDS QTY, STUD SIZE, TRIMMER AND KINGS | REMARKS |
|---|---|---|
| P1 | (3)2x6 -1 TRIMMER - 1 KING | <= 4FT OPENING |
| P2 | (2)2x6 -1 TRIMMER - 2 KING | <= 8FT OPENING |
| P3 | (3)2x6 -POST AT GIRDER TRUSS | AT GIRDER TRUSSES |

FOUNDATION PLAN NOTES:

1. SEE S-300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
2. TOP OF EXTERIOR FOOTING EL (98'-8"). SEE THIS SHEET FOR SCHEDULE. OVER-EXCAVATION IS NOT ANTICIPATED BELOW FOOTINGS PER GEOTECHNICAL REPORT. IF SOIL CONDITIONS VARY FROM BORING INFORMATION AND GEOTECHNICAL ENGINEER ON SITE INDICATES OVER-EXCAVATION, SEE 10/S-200.
3. TOP OF FOUNDATION WALL EL (100'-0"). SEE THIS SHEET FOR REINFORCEMENT INFORMATION.
4. PROVIDE 2'-0" x 2'-6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
5. FOR PIPING AND CONDUIT THROUGH FOUNDATIONS, SEE .
6. SEE THIS SHEET FOR CMU WALL SCHEDULE.
7. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT GIVEN HERE.
8. SEE THIS SHEET FOR LINTELS IN STRUCTURAL CMU WALLS AND S-000 FOR NON-STRUCTURAL WALLS.
9. SEE ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL WALLS.
10. FOR TYPICAL CMU WALL CONSTRUCTION DETAILS.
11. SEE CMU WALL SCHEDULE FOR ADDITIONAL INFORMATION.
12. ALL STRUCTURAL CMU WALLS TO BE REINFORCED WITH #5 VERT BARS @ 48" MIN, UON.

**WOOD FLOOR/ROOF FRAMING NOTES:**

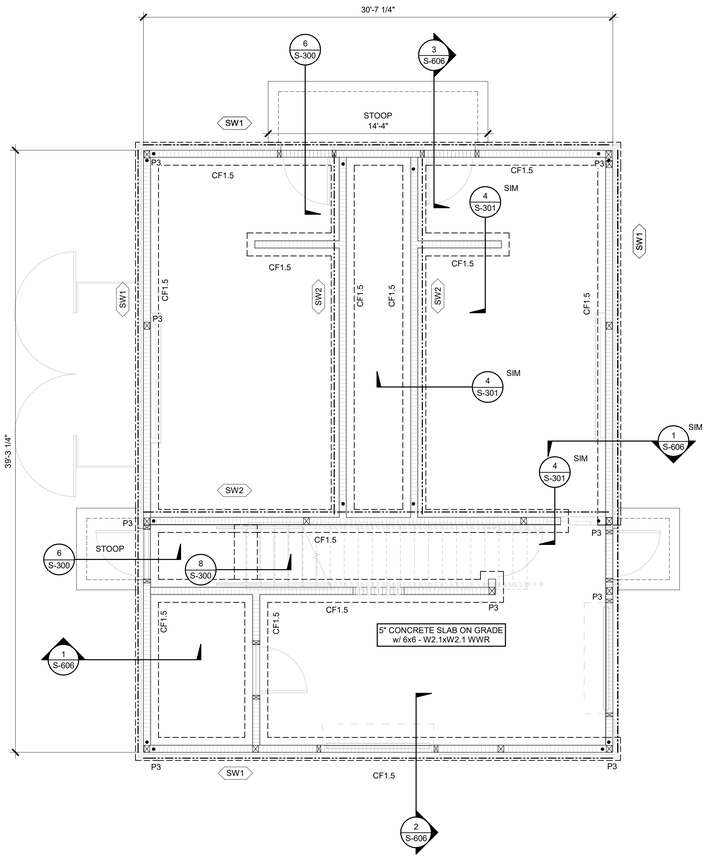
1. SEE PLAN FOR DECK BEARING ELEVATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
3. SEE ARCHITECTURAL DRAWINGS FOR T.O. TOP PLATE/TRUSS BEARING ELEVATION UON.
4. TRUSS MANUFACTURER TO COORDINATE ALL OPENINGS WITH MECHANICAL. PROVIDE FRAMING AS REQUIRED.
5. TRUSS MANUFACTURER IS RESPONSIBLE FOR MAINTAINING WEB OPENING ALIGNMENT BETWEEN ADJACENT TRUSSES AT TYPICAL AND A TYPICAL SPANS.
6. CONTRACTOR SHALL COORDINATE WEB OPENING MISALIGNMENT WITH MEP ROUTING.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING STRONGBACK LOCATIONS BETWEEN TRUSS SUPPLIER AND MEP ROUTING. SEE DETAIL
8. FOR SCHEDULES, SEE SHEET
9. CONTINUE ALL TRIMMERS/KING STUDS THROUGH THE FLOOR SYSTEM DOWN TO THE FOUNDATION.
10. PROVIDE ROOF TRUSS/JOIST TIES AT ALL BEARING LOCATIONS.
11. CONTRACTOR TO VERIFY ALL MECHANICAL EQUIPMENT WEIGHTS, SIZES, AND LOCATIONS PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATING MATERIALS. CONTRACTOR TO COORDINATE ANY CHANGES WITH THE TRUSS SUPPLIER AND STRUCTURAL ENGINEER. FOR RTU LOADS AND SNOW LOADS, SEE PROVIDE BLOCKING BETWEEN TRUSSES UNDERNEATH THE UNIT CURBS PER TYPICAL DETAILS.
12. ALL LOAD BEARING WALLS SHOWN ARE TO BE STACKED DIRECTLY ABOVE LOAD BEARING WALLS AND OR BEAMS BELOW. NOTIFY THE STRUCTURAL ENGINEER OF ALL CONDITIONS WHERE WALLS DO NOT STACK FOR REVIEW AND RESPONSE.
13. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, SEE DETAIL

**TRUSS LOADING PLAN NOTES:**

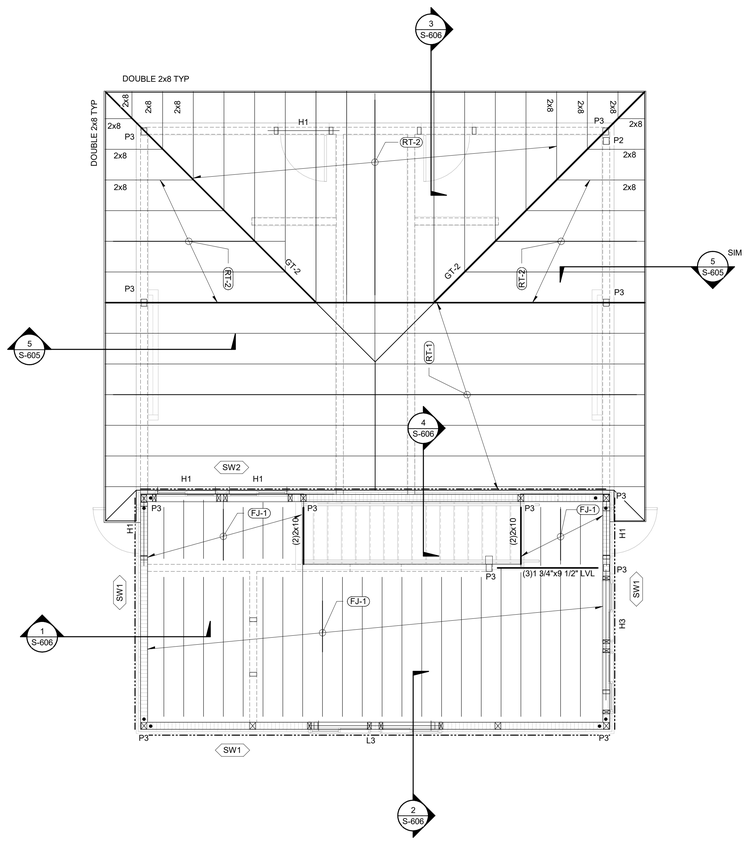
1. TOP CHORD DL = 10 PSF (DOES NOTE INCLUDE SELF WEIGHT)
2. BOTTOM CHORD DL = 10 PSF

**KEYNOTES:** ( # )

1. 3/4" PLYWOOD SHEATHING - REFER TO GENERAL NOTES FOR FASTENING AND STRENGTH REQUIREMENTS. REFER TO 10/S-300 FOR TYPICAL DETAIL. SEE PLAN FOR DECK BEARING ELEVATIONS.
2. WOOD TRUSSES @ 2'-0" MAX. TRUSS LAYOUT AS SHOWN ON PLAN. SUPPLIER RESPONSIBLE FOR TEMPORARY AND PERMANENT BRACING. REFER TO 3/S-100 FOR ROOF TRUSS DIAGRAM.
3. 2x6 OUTRIGGERS @ 2'-0".

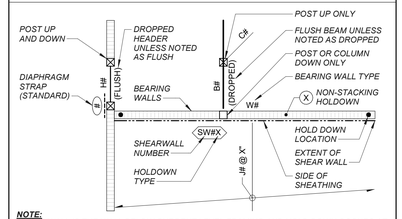



NORTH 1 **FOUNDATION PLAN CONCESSION BUILDING**
1/4" = 1'-0"

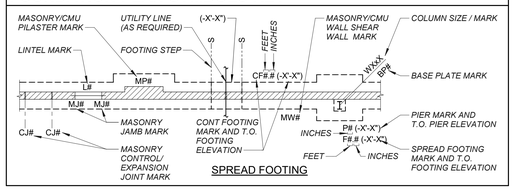



NORTH 2 **SECOND FLOOR FRAMING PLAN CONCESSION BUILDING**
1/4" = 1'-0"

## WOOD PLAN SYMBOLS KEY




## FOUNDATION PLAN SYMBOLS KEY

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FOUNDATION AND SECOND FLOOR FRAMING PLANS CONCESSION BUILDING

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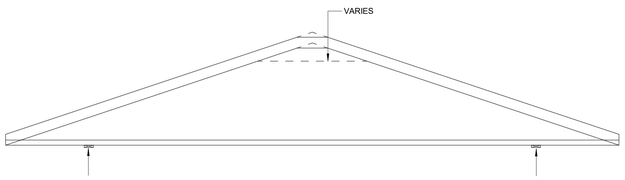
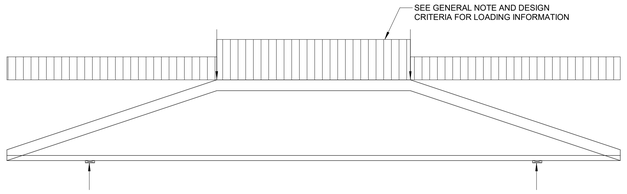
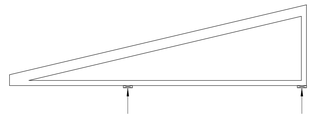


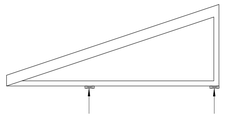

## 3 TRUSS PROFILE: RT-1
1/4" = 1'-0"




## 4 TRUSS PROFILE: GT-1
1/4" = 1'-0"



## 5 TRUSS PROFILE: GT-2
1/4" = 1'-0"



## 6 TRUSS PROFILE: RT-2
1/4" = 1'-0"

**WOOD FLOOR/ROOF FRAMING NOTES:**

1. SEE PLAN FOR DECK BEARING ELEVATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
3. SEE ARCHITECTURAL DRAWINGS FOR T.O. TOP PLATE/TRUSS BEARING ELEVATION UON.
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8. FOR SCHEDULES, SEE SHEET
9. CONTINUE ALL TRIMMERS/KING STUDS THROUGH THE FLOOR SYSTEM DOWN TO THE FOUNDATION.
10. PROVIDE ROOF TRUSS/JOIST TIES AT ALL BEARING LOCATIONS. SEE SEE PLAN FOR ADDITIONAL TIEDOWNS.
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**TRUSS LOADING PLAN NOTES:**

1. TOP CHORD DL = 10 PSF (DOES NOT INCLUDE TRUSS SELF WEIGHT)
2. BOTTOM CHORD DL = 10 PSF

**KEYNOTES:** (#)

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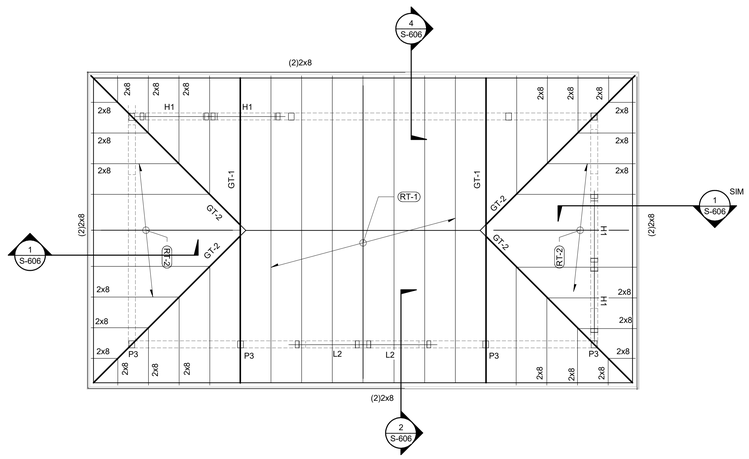
2. WOOD TRUSSES @ 2'-0" MAX. TRUSS LAYOUT AS SHOWN ON PLAN. SUPPLIER RESPONSIBLE FOR TEMPORARY AND PERMANENT BRACING. REFER TO 3/S-100 FOR ROOF TRUSS DIAGRAM.
3. 2x6 OUTRIGGERS @ 2'-0".

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REVISIONS

| NO. | DESCRIPTION | DATE |
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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.26 |
| DRAWN BY | EZ |
| REVIEWED BY | EZ |

ROOF FRAMING PLAN
CONCESSION BUILDING

# S-102
Issued for Rebid

## CONTINUOUS FOOTING SCHEDULE

| MARK | WIDTH | DEPTH | REINFORCING (BOT, UON) LONG | SHORT | REMARKS |
|---|---|---|---|---|---|
| CF1.5 | 1'-6" | 3'-4" | 3#5 T& B | | INTERIOR AND EXTERIOR |

## WOOD HEADER SCHEDULE

| wt | MEMBER SIZE | REMARKS |
|---|---|---|
| H1 | (2)2x6 | |
| H2 | (3)2x10 | |
| H3 | (3) 1 3/4"x9 1/2" | PARALLAM |
| H4 | (3) 1 3/4"x7 1/4" | PARALLAM |

## FOUNDATION WALL REINFORCING SCHEDULE

| WALL THICKNESS | HORIZONTAL EXTERIOR FACE | HORIZONTAL INTERIOR FACE | VERTICAL EXTERIOR FACE | VERTICAL INTERIOR FACE | REMARKS |
|---|---|---|---|---|---|
| 0" TO 10" | #5@12" | - | #5@12" | - | SEE NOTE 1 |
| 1'-0" TO 1'-4" | #5@12" | #5@12" | #5@12" | #5@12" | - |

NOTE:

1. CENTERED IN WALL THICKNESS.

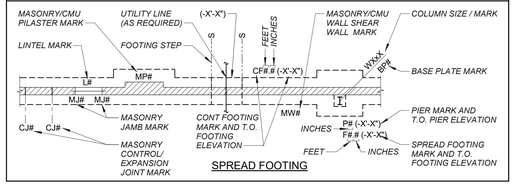
## WOOD FLOOR/ROOF JOIST SCHEDULE

| MARK | SIZE | REMARKS |
|---|---|---|
| FJ-1 | 2x10@16" | |
| FJ-2 | 2x8@16" | |
| RJ-1 | 2x8@16" | |
| RJ-2 | 2x8@16" | |
| RJ-3 | (2)2x12@16" | |

## WOOD POST SCHEDULE

| MARK | TOTAL STUDS QTY, STUD SIZE, TRIMMER AND KINGS | REMARKS |
|---|---|---|
| P1 | (3)2x6 -1 TRIMMER - 1 KING | <= 4FT OPENING |
| P2 | (2)2x6 -1 TRIMMER - 2 KING | <= 8FT OPENING |
| P3 | (3)2x6 -POST AT GIRDER TRUSS | AT GIRDER TRUSSES |

## FOUNDATION PLAN SYMBOLS KEY




## LINTEL SCHEDULE

| MARK | MEMBER SIZE | REFERENCE DETAIL | REMARKS |
|---|---|---|---|
| L1 | 8" DEEP LINTEL BEAM W/ (2)#4 | - | <=4'-0 |
| L2 | 16" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 4'-0" TO 6'-0" |
| L3 | 24" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 6'-0" TO 8'-0" |

NOTE:

1. BEARING LENGTH EACH END = 8" UON.

**FOUNDATION PLAN NOTES:**

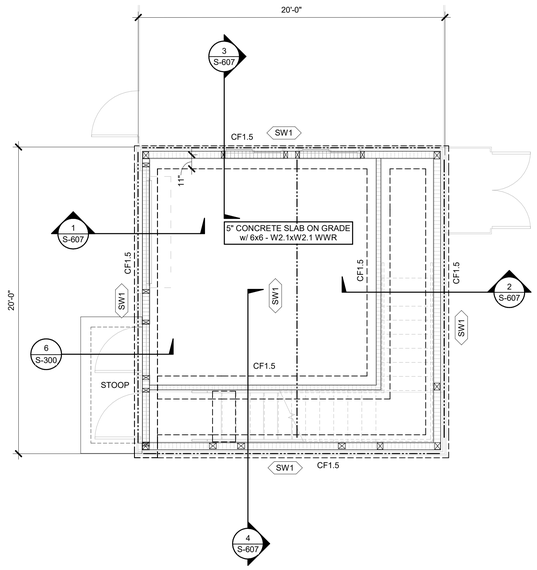
1. SEE S-300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
2. TOP OF EXTERIOR FOOTING EL (98'-8"). SEE THIS SHEET FOR SCHEDULE. OVER-EXCAVATION IS NOT ANTICIPATED BELOW FOOTINGS PER GEOTECHNICAL REPORT. IF SOIL CONDITIONS VARY FROM BORING INFORMATION AND GEOTECHNICAL ENGINEER ON SITE INDICATES OVER-EXCAVATION, SEE 10/S-200.
3. TOP OF FOUNDATION WALL EL (100'-0"). SEE THIS SHEET FOR REINFORCEMENT INFORMATION.
4. PROVIDE 2'-6" x 2'-6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
5. FOR PIPING AND CONDUIT THROUGH FOUNDATIONS, SEE .
6. SEE THIS SHEET FOR CMU WALL SCHEDULE.
7. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT GIVEN HERE.
8. SEE THIS SHEET FOR LINTELS IN STRUCTURAL CMU WALLS AND S-000 FOR NON-STRUCTURAL WALLS.
9. SEE ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL WALLS.
10. FOR TYPICAL CMU WALL CONSTRUCTION DETAILS.
11. SEE CMU WALL SCHEDULE FOR ADDITIONAL INFORMATION.
12. ALL STRUCTURAL CMU WALLS TO BE REINFORCED WITH #5 VERT BARS @ 48" MIN, UON.

**WOOD FLOOR/ROOF FRAMING NOTES:**

1. SEE PLAN FOR DECK BEARING ELEVATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
3. SEE ARCHITECTURAL DRAWINGS FOR T.O. TOP PLATE/TRUSS BEARING ELEVATION UON.
4. TRUSS MANUFACTURER TO COORDINATE ALL OPENINGS WITH MECHANICAL. PROVIDE FRAMING AS REQUIRED.
5. TRUSS MANUFACTURER IS RESPONSIBLE FOR MAINTAINING WEB OPENING ALIGNMENT BETWEEN ADJACENT TRUSSES AT TYPICAL AND A TYPICAL SPANS.
6. CONTRACTOR SHALL COORDINATE WEB OPENING MISALIGNMENT WITH MEP ROUTING.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING STRONGBACK LOCATIONS BETWEEN TRUSS SUPPLIER AND MEP ROUTING. SEE DETAIL .
8. FOR SCHEDULES, SEE SHEET
9. CONTINUE ALL TRIMMERS/KING STUDS THROUGH THE FLOOR SYSTEM DOWN TO THE FOUNDATION.
10. PROVIDE ROOF TRUSS/JOIST TIES AT ALL BEARING LOCATIONS.
11. CONTRACTOR TO VERIFY ALL MECHANICAL EQUIPMENT WEIGHTS, SIZES, AND LOCATIONS PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATING MATERIALS. CONTRACTOR TO COORDINATE ANY CHANGES WITH THE TRUSS SUPPLIER AND STRUCTURAL ENGINEER. FOR RTU LOADS AND SNOW LOADS, SEE PROVIDE BLOCKING BETWEEN TRUSSES UNDERNEATH THE UNIT CURBS PER TYPICAL DETAILS.
12. ALL LOAD BEARING WALLS SHOWN ARE TO BE STACKED DIRECTLY ABOVE LOAD BEARING WALLS AND OR BEAMS BELOW. NOTIFY THE STRUCTURAL ENGINEER OF ALL CONDITIONS WHERE WALLS DO NOT STACK FOR REVIEW AND RESPONSE.
13. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, SEE DETAIL

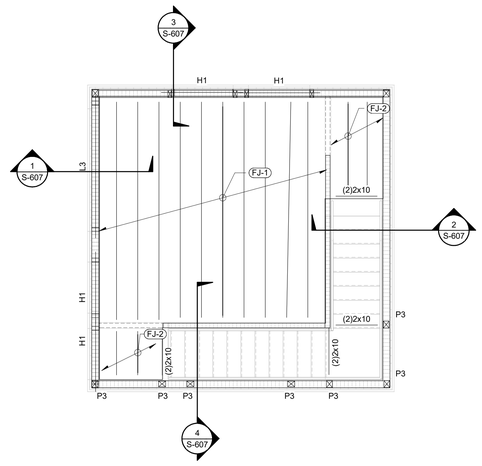
**TRUSS LOADING PLAN NOTES:**

1. TOP CHORD DL = 10 PSF (DOES NOTE INCLUDE SELF WEIGHT)
2. BOTTOM CHORD DL = 10 PSF



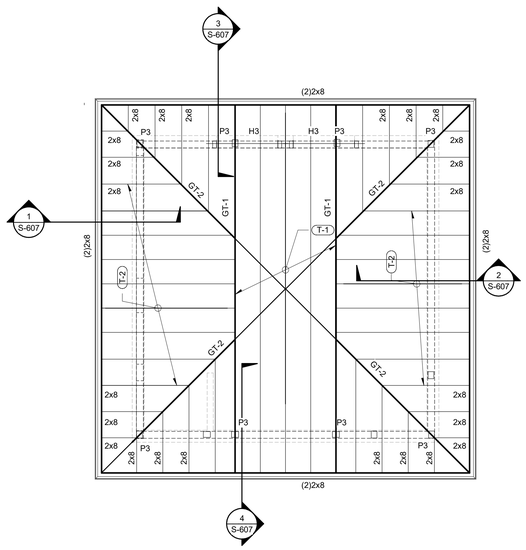

## 1 FOUNDATION PLAN CONCESSION BUILDING

1/4" = 1'-0"



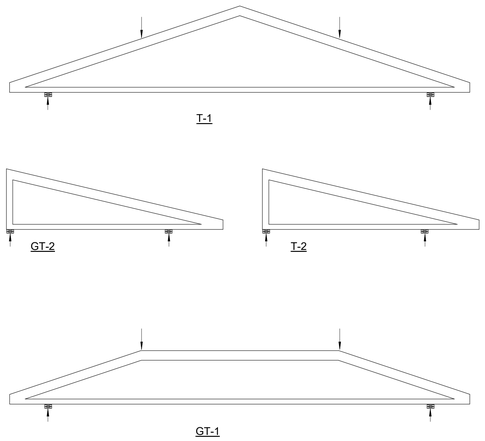

## 2 SECOND FLOOR AND LOW ROOF FRAMING PLAN CONCESSION BUILDING

1/4" = 1'-0"




## 3 ROOF FRAMING PLAN CONCESSION BUILDING

1/4" = 1'-0"




## 4 TRUSS PROFILES

1/4" = 1'-0"

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PROJECT #260002446.00

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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.26 |
| DRAWN BY | EZ |
| REVIEWED BY | EZ |

FOUNDATION, SECOND, AND ROOF FRAMING PLANS CONCESSION BUILDING

# S-103

Issued for Rebid

## CONTINUOUS FOOTING SCHEDULE

| MARK | WIDTH | DEPTH | REINFORCING (BOT, UON) LONG | SHORT | REMARKS |
|---|---|---|---|---|---|
| CF1.5 | 1'-6" | 3'-4" | 3#5 T& B | | INTERIOR AND EXTERIOR |

## FOUNDATION WALL REINFORCING SCHEDULE

| WALL THICKNESS | HORIZONTAL EXTERIOR FACE | HORIZONTAL INTERIOR FACE | VERTICAL EXTERIOR FACE | VERTICAL INTERIOR FACE | REMARKS |
|---|---|---|---|---|---|
| 0" TO 10" | #5@12" | - | #5@12" | - | SEE NOTE 1 |
| 1'-0" TO 1'-4" | #5@12" | #5@12" | #5@12" | #5@12" | - |

NOTE:

1. CENTERED IN WALL THICKNESS.

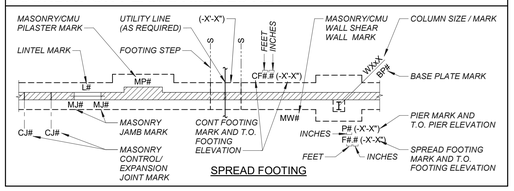
## CMU WALL REINFORCING SCHEDULE

| MARK MW# | WALL THICKNESS | VERTICAL BAR SIZE AND SPACING | REMARKS |
|---|---|---|---|
| MW1 | 6" | #4@48" | - |
| MW2 | 8" | #5@48" | - |

NOTES:

1. TYP HORIZ REINF PER SPECIFICATIONS AND IS INTENDED TO BE A 'DUROWALL - TRUSS TYPE' OR EQUIVALENT.
2. 'GROUT ALL CORES' INDICATES EVERY REINFORCED CORE AND UNREINFORCED CORE.
3. REINFORCED CORES ARE ALWAYS GROUTED.
4. SEE S-300 FOR TYP CMU DETAILING.

## FOUNDATION PLAN SYMBOLS KEY




## LINTEL SCHEDULE

| MARK | MEMBER SIZE | REFERENCE DETAIL | REMARKS |
|---|---|---|---|
| L1 | 8" DEEP LINTEL BEAM W/ (2)#4 | - | <=4'-0 |
| L2 | 16" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 4'-0" TO 6'-0" |
| L3 | 24" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 6'-0" TO 8'-0" |

NOTE:

1. BEARING LENGTH EACH END = 8" UON.

FOUNDATION PLAN NOTES:

1. SEE S-300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
2. TOP OF EXTERIOR FOOTING EL (98'-8"). SEE THIS SHEET FOR SCHEDULE. OVER-EXCAVATION IS NOT ANTICIPATED BELOW FOOTINGS PER GEOTECHNICAL REPORT. IF SOIL CONDITIONS VARY FROM BORING INFORMATION AND GEOTECHNICAL ENGINEER ON SITE INDICATES OVER-EXCAVATION, SEE 10/S-200.
3. TOP OF FOUNDATION WALL EL (100'-0"). SEE THIS SHEET FOR REINFORCEMENT INFORMATION.
4. PROVIDE 2'-0" x 2'-6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
5. FOR PIPING AND CONDUIT THROUGH FOUNDATIONS, SEE .
6. SEE THIS SHEET FOR CMU WALL SCHEDULE.
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8. SEE THIS SHEET FOR LINTELS IN STRUCTURAL CMU WALLS AND S-000 FOR NON-STRUCTURAL WALLS.
9. SEE ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL WALLS.
10. FOR TYPICAL CMU WALL CONSTRUCTION DETAILS.
11. SEE CMU WALL SCHEDULE FOR ADDITIONAL INFORMATION.
12. ALL STRUCTURAL CMU WALLS TO BE REINFORCED WITH #5 VERT BARS @ 48" MIN, UON.

**WOOD FLOOR/ROOF FRAMING NOTES:**

1. SEE PLAN FOR DECK BEARING ELEVATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
3. SEE ARCHITECTURAL DRAWINGS FOR T.O. TOP PLATE/TRUSS BEARING ELEVATION UON.
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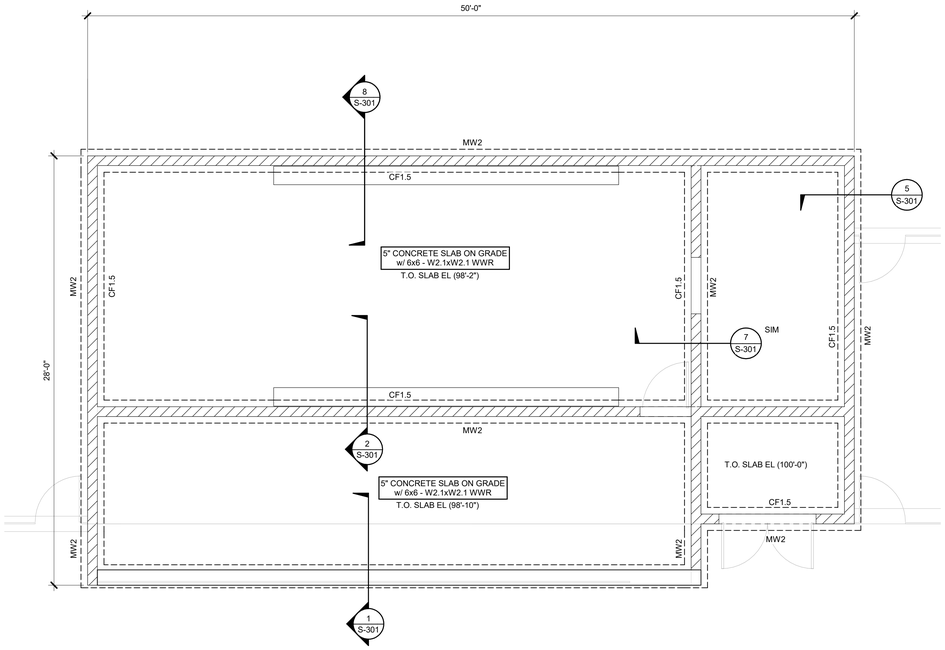
13. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, SEE DETAIL

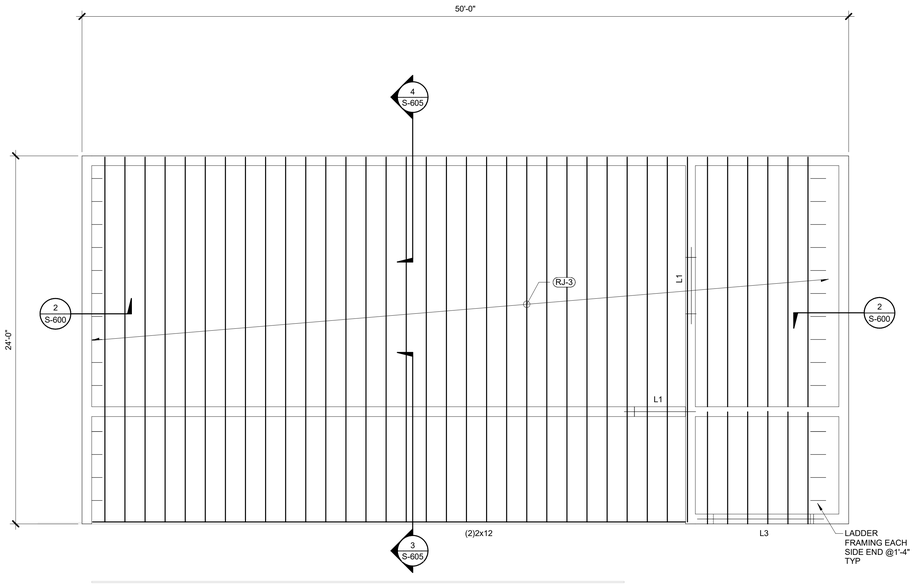
**TRUSS LOADING PLAN NOTES:**

1. TOP CHORD DL = 10 PSF (DOES NOTE INCLUDE SELF WEIGHT)
2. BOTTOM CHORD DL = 10 PSF



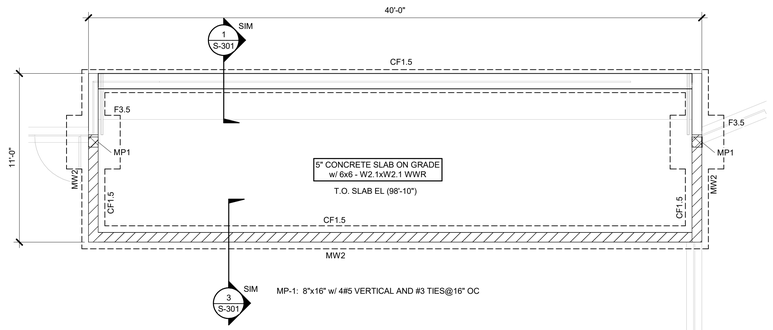

## 1 FOUNDATION PLAN DUGOUT - VARSITY SOFTBALL

1/4" = 1'-0"



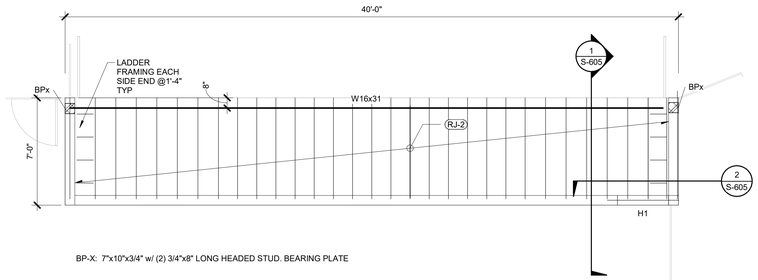

## 2 ROOF FRAMING PLAN DUGOUT - VARSITY SOFTBALL

1/4" = 1'-0"




## 3 FOUNDATION PLAN DUGOUT - VARSITY BASEBALL

1/4" = 1'-0"




## 4 ROOF FRAMING PLAN DUGOUT - VARSITY BASEBALL

1/4" = 1'-0"

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REF. SCALE IN INCHES 0 1 2 3

PROJECT #26002446.00

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|---|---|
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.26 |
| DRAWN BY | EZ |
| REVIEWED BY | EZ |

FOUNDATION AND ROOF FRAMING SOFTBALL DUGOUT PLANS

# S-104

Issued for Rebid

## CONTINUOUS FOOTING SCHEDULE

| MARK | WIDTH | DEPTH | REINFORCING (BOT, UON) LONG | SHORT | REMARKS |
|---|---|---|---|---|---|
| CF1.5 | 1'-6" | 3'-4" | 3#5 T& B | | INTERIOR AND EXTERIOR |

## FOUNDATION WALL REINFORCING SCHEDULE

| WALL THICKNESS | HORIZONTAL EXTERIOR FACE | HORIZONTAL INTERIOR FACE | VERTICAL EXTERIOR FACE | VERTICAL INTERIOR FACE | REMARKS |
|---|---|---|---|---|---|
| 0" TO 10" | #5@12" | - | #5@12" | - | SEE NOTE 1 |
| 1'-0" TO 1'-4" | #5@12" | #5@12" | #5@12" | #5@12" | - |

NOTE:

1. CENTERED IN WALL THICKNESS.

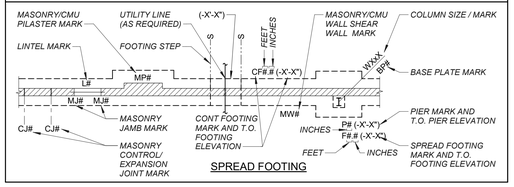
## CMU WALL REINFORCING SCHEDULE

| MARK MW# | WALL THICKNESS | VERTICAL BAR SIZE AND SPACING | REMARKS |
|---|---|---|---|
| MW1 | 6" | #4@48" | - |
| MW2 | 8" | #5@48" | - |

NOTES:

1. TYP HORIZ REINF PER SPECIFICATIONS AND IS INTENDED TO BE A 'DUROWALL - TRUSS TYPE' OR EQUIVALENT.
2. 'GROUT ALL CORES' INDICATES EVERY REINFORCED CORE AND UNREINFORCED CORE.
3. REINFORCED CORES ARE ALWAYS GROUTED.
4. SEE S-300 FOR TYP CMU DETAILING.

## FOUNDATION PLAN SYMBOLS KEY




## LINTEL SCHEDULE

| MARK | MEMBER SIZE | REFERENCE DETAIL | REMARKS |
|---|---|---|---|
| L1 | 8" DEEP LINTEL BEAM W/ (2)#4 | - | <=4'-0 |
| L2 | 16" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 4'-0" TO 6'-0" |
| L3 | 24" DEEP LINTEL BEAM WITH (2)#4 T&B | - | 6'-0" TO 8'-0" |

NOTE:

1. BEARING LENGTH EACH END = 8" UON.

FOUNDATION PLAN NOTES:

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11. SEE CMU WALL SCHEDULE FOR ADDITIONAL INFORMATION.
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**WOOD FLOOR/ROOF FRAMING NOTES:**

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**TRUSS LOADING PLAN NOTES:**

1. TOP CHORD DL = 10 PSF (DOES NOTE INCLUDE SELF WEIGHT)
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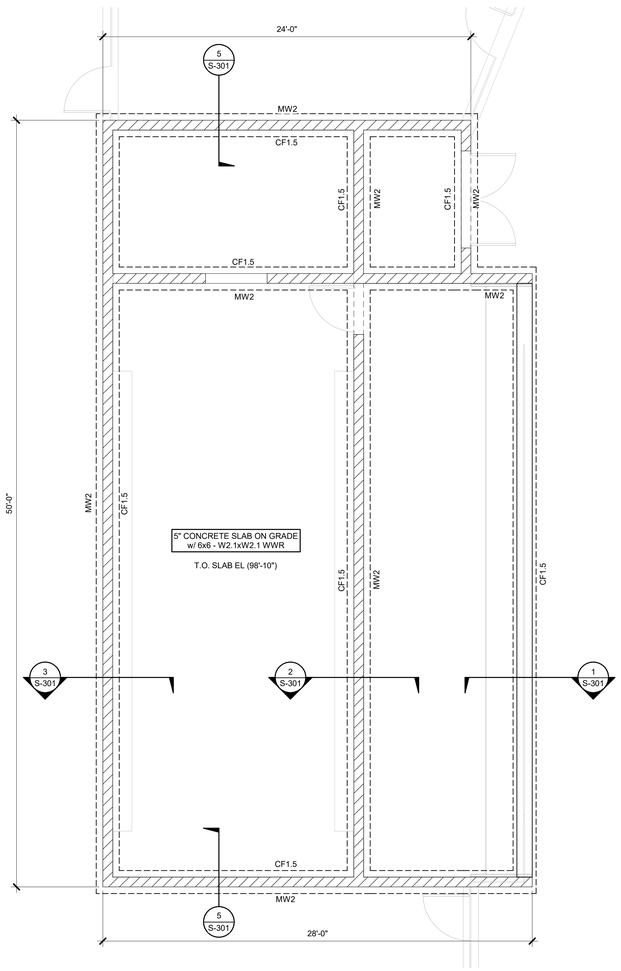
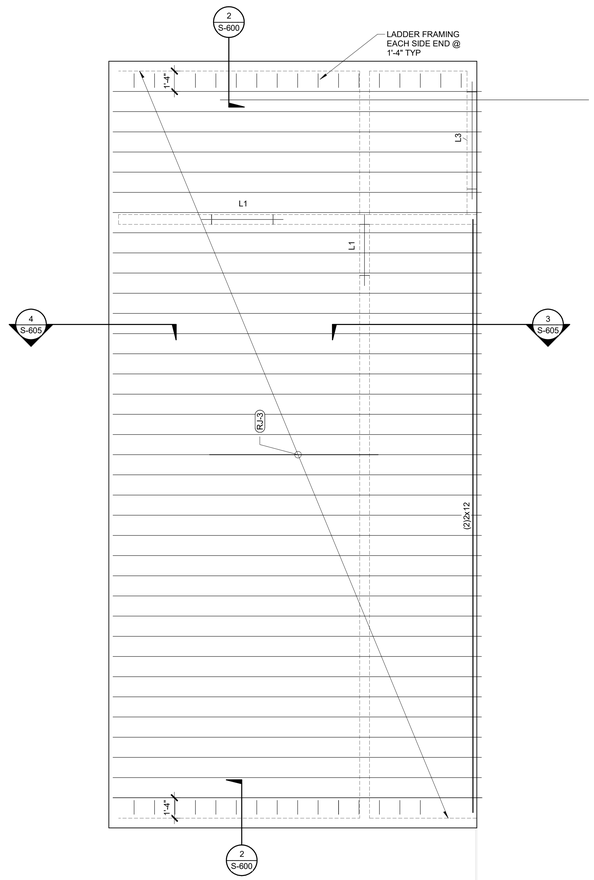
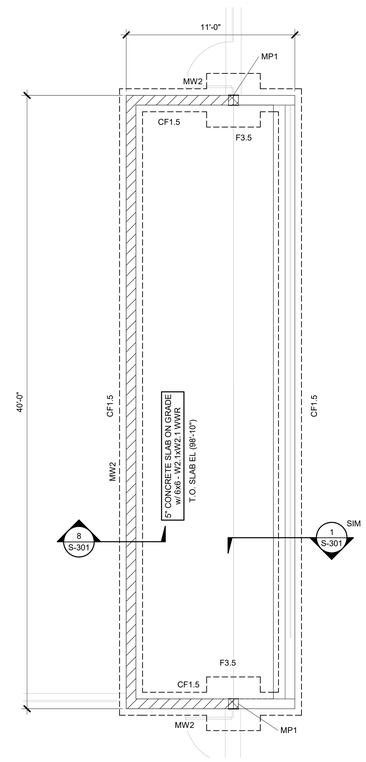


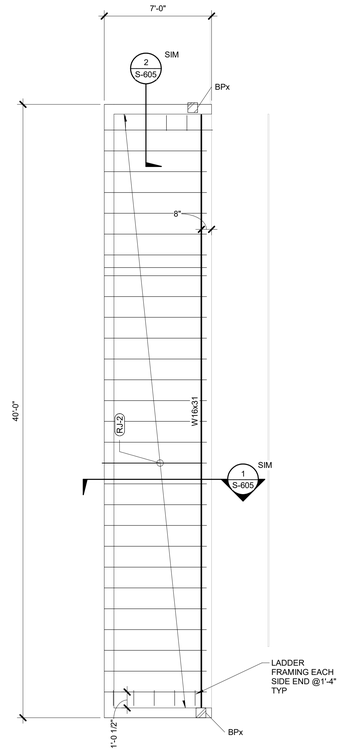

NORTH 1 **FOUNDATION PLAN DUGOUT- VARSITY BASEBALL**
1/4" = 1'-0"




NORTH 2 **ROOF FRAMING PLAN DUGOUT- VARSITY BASEBALL**
1/4" = 1'-0"




NORTH 3 **FOUNDATION PLAN DUGOUT - VARSITY SOFTBALL**
1/4" = 1'-0"




NORTH 4 **ROOF FRAMING PLAN DUGOUT - VARSITY SOFTBALL**
1/4" = 1'-0"

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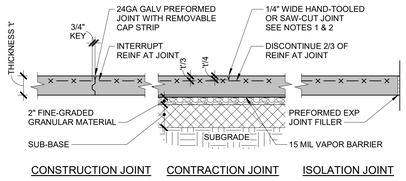
| REVIEWED BY | EZ |

FOUNDATION AND ROOF FRAMING PLANS DUGOUT

S-105
Issued for Rebid

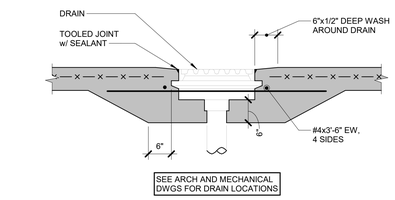



NOTES:

1. FOR SAW-CUT JOINTS, USE A "SOFF-CUT" ULTRA EARLY ENTRY DRY-CUT SAW OR APPROVED EQUIVALENT. JOINTS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF FINISHING OPERATIONS.
2. SEE SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR ANY JOINT SEALANT REQUIREMENTS.

## 1 SLAB-ON-GRADE CONSTRUCTION

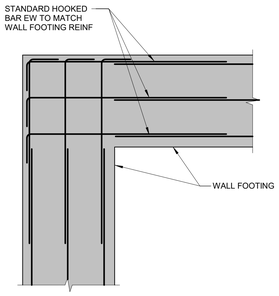
3/4" = 1'-0"




SEE ARCH AND MECHANICAL DWGS FOR DRAIN LOCATIONS

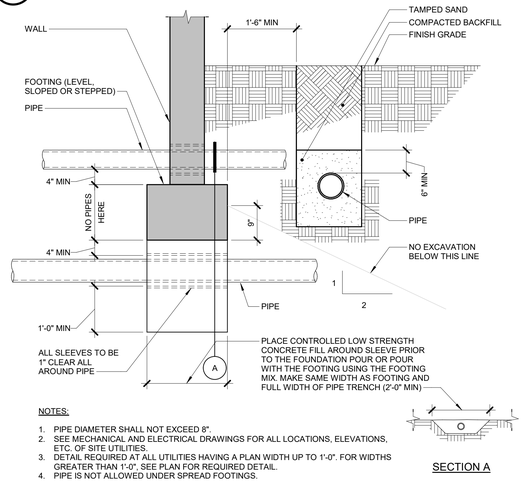
## 2 FLOOR DRAIN IN SLAB-ON-GRADE

3/4" = 1'-0"
2040-03




## 3 FOOTING INTERSECTION

3/4" = 1'-0"



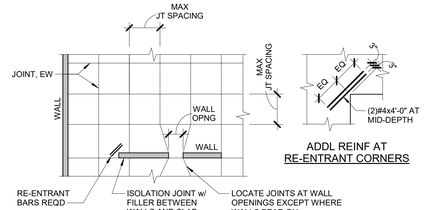

NOTES:

1. PIPE DIAMETER SHALL NOT EXCEED 8".
2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC. OF SITE UTILITIES.
3. DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 1'-0". FOR WIDTHS GREATER THAN 1'-0", SEE PLAN FOR REQUIRED DETAIL.
4. PIPE IS NOT ALLOWED UNDER SPREAD FOOTINGS.



SECTION A

| SLAB THICKNESS | MAX JOINT SPACING |
|---|---|
| 4" | 12'-0" |
| 5" | 13'-0" |
| 6" | 14'-0" |

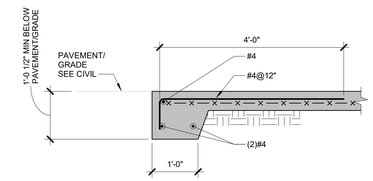



NOTES:

1. LOCATE CONSTRUCTION JOINTS AND CONTRACTION JOINTS ON ALL COLUMN GRID LINES AND SUBDIVIDE AS REQD TO LIMIT MAX SPACING BETWEEN JOINTS PER TABLE.
2. LOCATE JOINTS IN A PATTERN THAT SUBDIVIDES SLAB INTO SQUARE OR RECTANGULAR PANELS HAVING AN ASPECT RATIO BETWEEN 1.0 (PREFERRED) TO 1.5.
3. WHERE SLAB JOINTS ARE NOT PROVIDED AT RE-ENTRANT CORNERS, PROVIDE RE-ENTRANT REINFORCING.

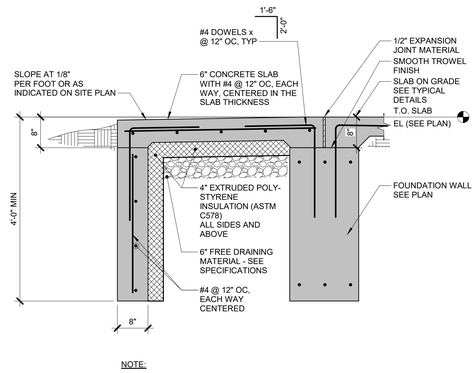
## 4 SLAB-ON-GRADE JOINT ARRANGEMENT

3/4" = 1'-0"




## 5 SLAB-ON-GRADE TURNDOWN AT TRANSITION TO PAVEMENT

NO SCALE

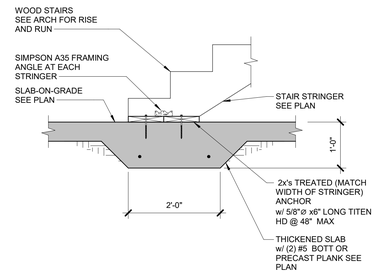



NOTE:

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT STOOP LAYOUT AND LOCATIONS.

## 6 TYPICAL STOOP DETAIL

3/4" = 1'-0"

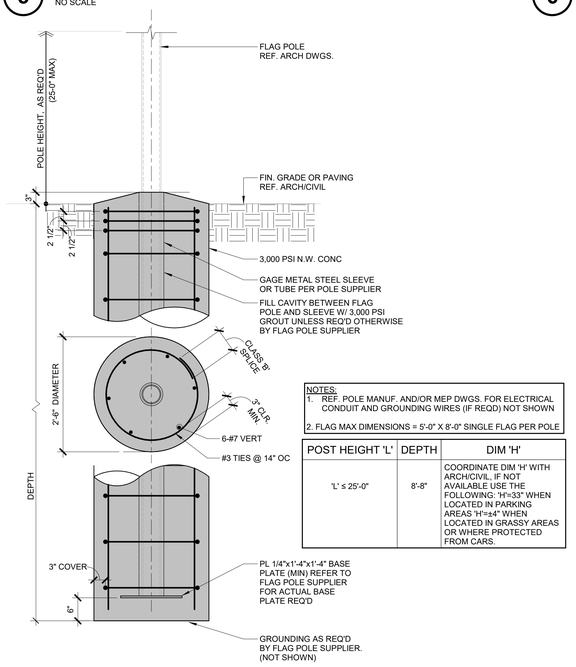



## 7 TYPICAL PIPE TRENCH DETAIL

3/4" = 1'-0"

## 8 STAIR STRINGER CONNECTION TO SLAB-ON-GRADE

3/4" = 1'-0"
6611-09




NOTES:
1. REF. POLE MANUF. AND/OR MEP DWGS. FOR ELECTRICAL CONDUIT AND GROUNDING WIRES (IF REQD) NOT SHOWN

2. FLAG MAX DIMENSIONS = 5'-0" X 8'-0" SINGLE FLAG PER POLE

| POST HEIGHT 'L' | DEPTH | DIM 'H' |
|---|---|---|
| 'L' ≤ 25'-0" | 8'-6" | COORDINATE DIM 'H' WITH ARCH/CIVIL. IF NOT AVAILABLE USE THE FOLLOWING: 'H'=33" WHEN LOCATED IN PARKING AREAS 'H'=+4" WHEN LOCATED IN GRASSY AREAS OR WHERE PROTECTED FROM CARS. |

## 9 FLAG POLE FOUNDATION

3/4" = 1'-0"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TYPICAL CONCRETE DETAILS AND SECTIONS

S-300

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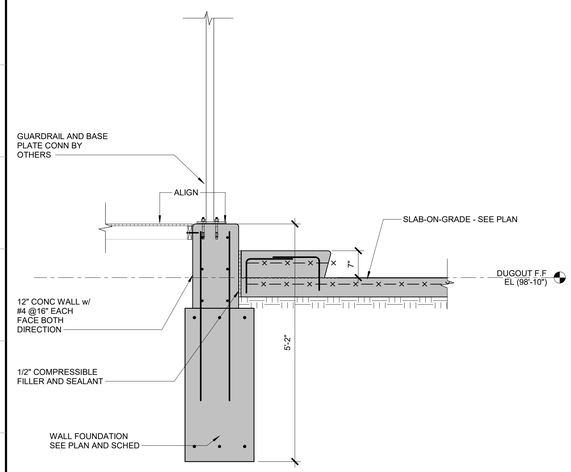
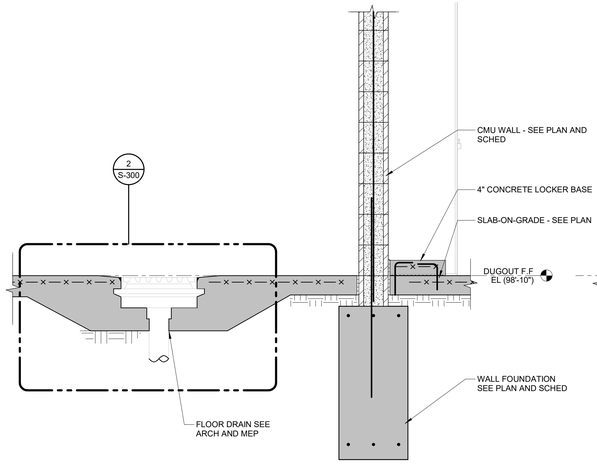
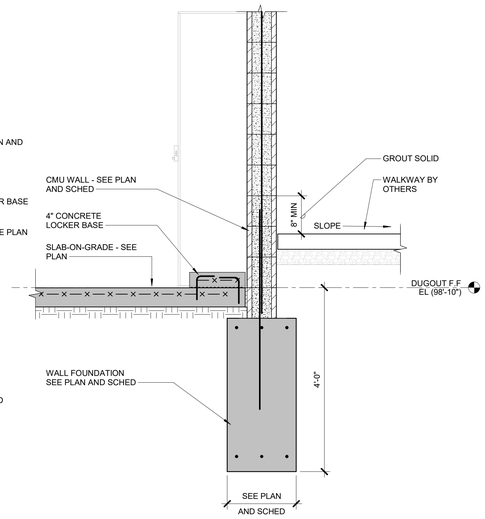
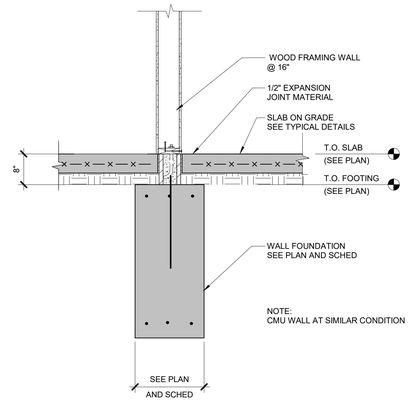
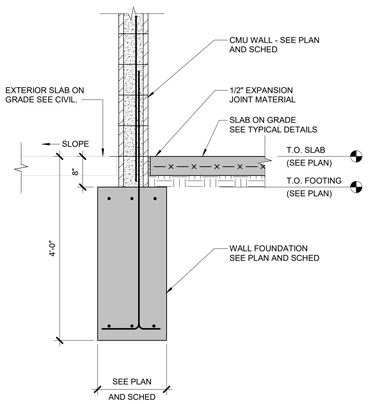


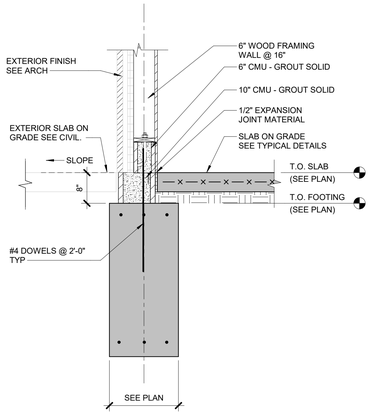



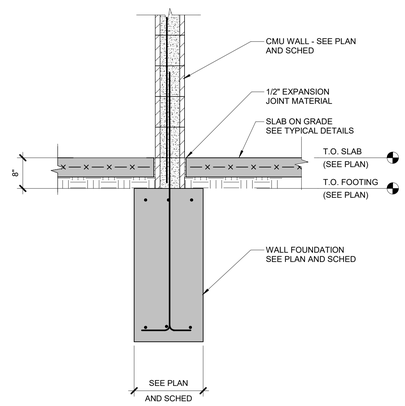

## 1 SECTION
3/4" = 1'-0"



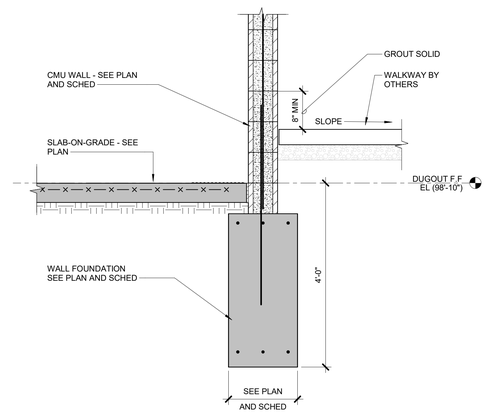

## 2 SECTION
3/4" = 1'-0"




## 3 SECTION
3/4" = 1'-0"




## 4 TYP INTERIOR FOOTING
3/4" = 1'-0"




## 5 TYP EXTERIOR FOOTING
3/4" = 1'-0"

## 6 TYP EXTERIOR FOOTING AT OMNI BLOCK
3/4" = 1'-0"

## 7 TYP INTERIOR FOOTING
3/4" = 1'-0"

## 8 SECTION
3/4" = 1'-0"

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| REVIEWED BY | EZ |

CONCRETE DETAILS AND SECTIONS

# S-301

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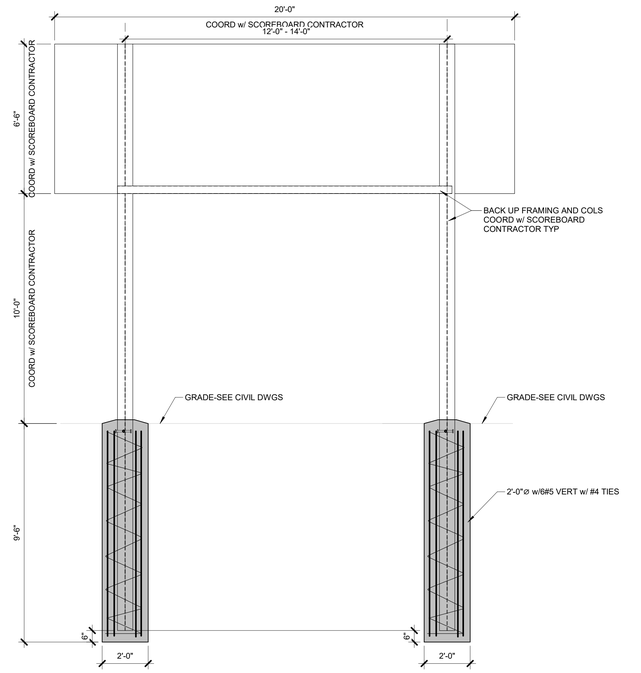
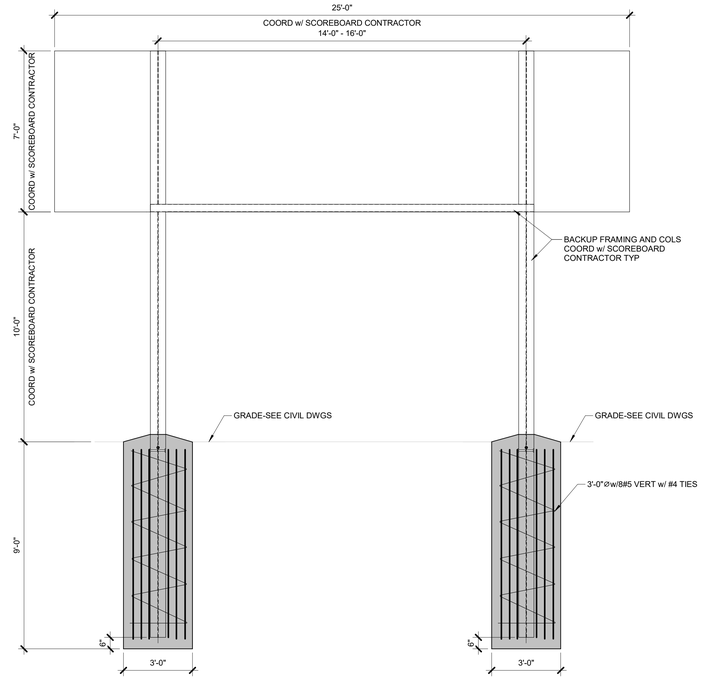


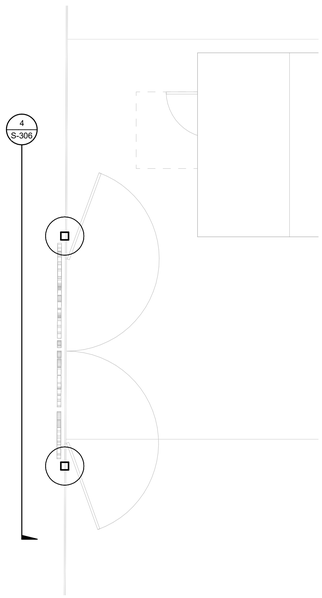

## 1 20'-0" WIDTH SCOREBOARD DETAIL

3/8" = 1'-0"



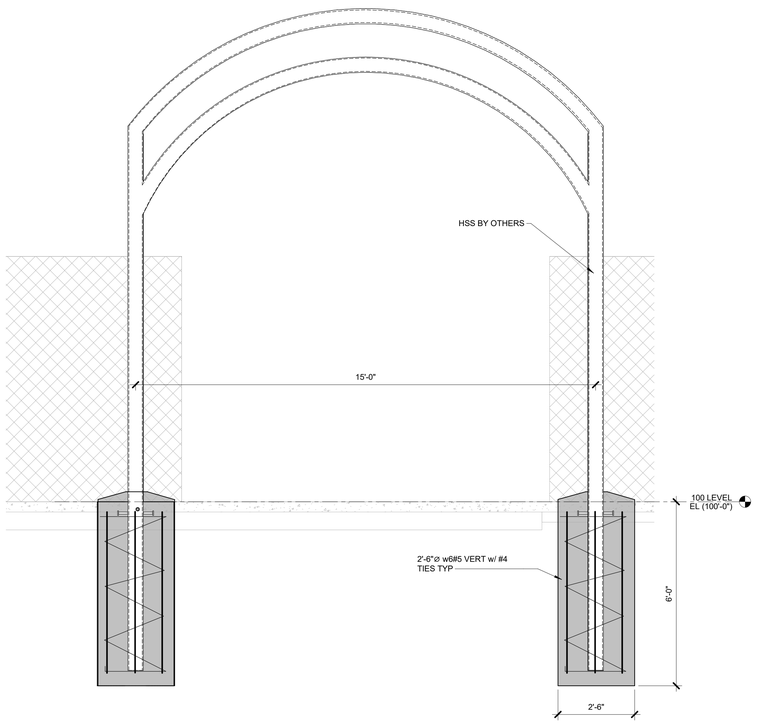

## 2 25'-0" WIDTH SCOREBOARD DETAIL

3/8" = 1'-0"




## 3 MAIN ENTRY GATE ENLARGED PLAN

1/4" = 1'-0"




## 4 MAIN ENTRY GATE ELEVATION

1/2" = 1'-0"

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CONCRETE SECTIONS

# S-306

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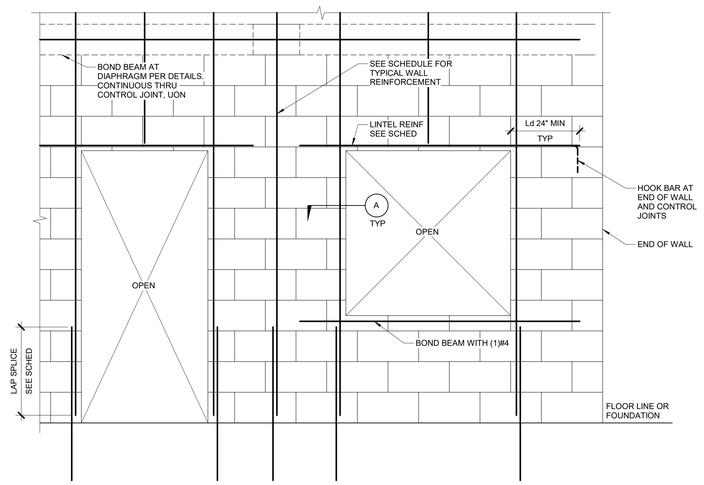
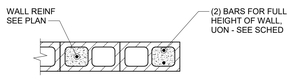



NOTES:

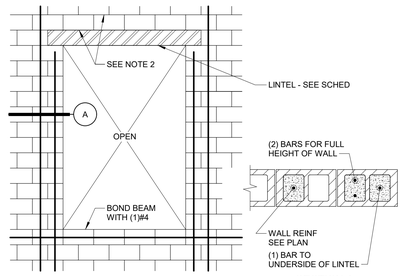
1. SEE PLAN FOR CONTROL JOINT LOCATIONS. NO CONTROL JOINTS PERMITTED WITHIN 2'-0" OF OPENING.
2. SEE PLAN AND ARCH FOR SIZE AND LOCATIONS OF OPENINGS.




SECTION A

## 1 CMU WALL OPENING REINFORCING

NO SCALE



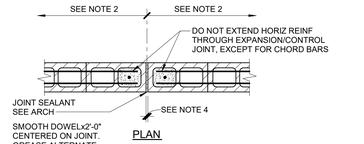

SECTION A

NOTES:

1. SEE PLAN FOR CONTROL JOINT LOCATIONS.
2. SEE PLAN AND ARCH FOR SIZE AND LOCATIONS OF OPENINGS.

## 2 JAMB REINFORCEMENT AT STEEL LINTEL

NO SCALE



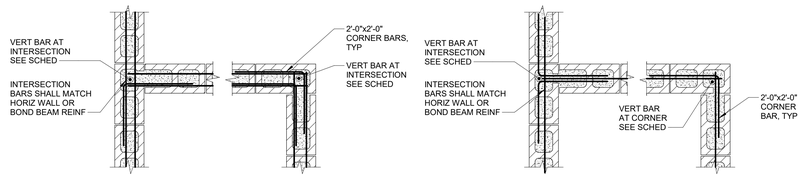

ELEVATION

NOTES:

1. JOINT TO BE CONT WITHOUT INTERRUPTION FROM FOUNDATION TO TOP OF WALL, UON.
2. MAX SPACING OF 1.5:1 WITH A MAX OF 25 FT.
3. SEE PLAN FOR CONTROL JOINT LOCATIONS. NO JOINTS PERMITTED WITHIN 2'-0" OF OPENING. NO JOINTS PERMITTED WITHIN LINTELS ABOVE OPENINGS.
4. 1/2" EXPANSION JOINT (CLAY MASONRY). 3/8" CONTROL JOINT (CONCRETE MASONRY). COORDINATE WITH ARCH.
5. HORIZ JOINT REINF SHALL BE DISCONTINUOUS AT EXPANSION/CONTROL JOINT.

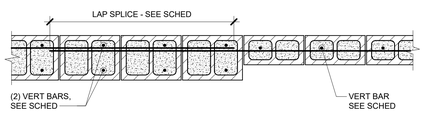
## 3 CMU EXPANSION/CONTROL JOINT

NO SCALE




DOUBLE MAT - INTERSECTION & CORNER

SINGLE MAT - INTERSECTION & CORNER

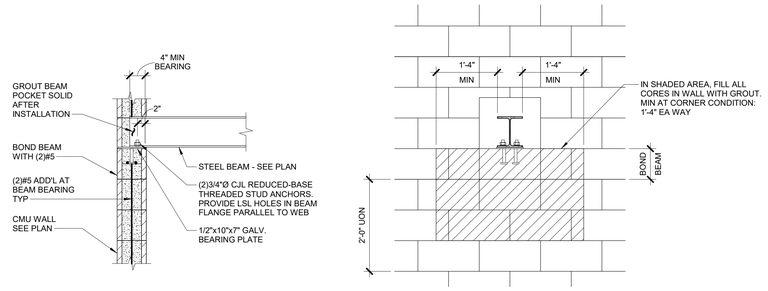



WALL THICKNESS TRANSITION

BLOCKS TO BE INTERLOCKED AT CORNERS. PROVIDE PREFABRICATED HORIZ JOINT REINF T-SECTION AT INTERSECTION AND L-SECTION AT CORNERS

## 4 CMU WALL INTERSECTIONS

NO SCALE




ELEVATION

## 5 STEEL BEAM SUPPORT ON CMU WALL

3/4" = 1'-0"

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TYPICAL MASONRY DETAILS AND SECTIONS

S-400

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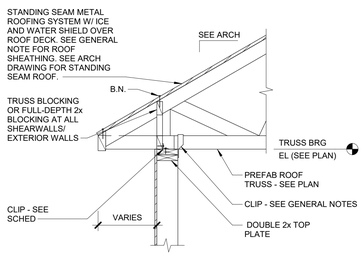
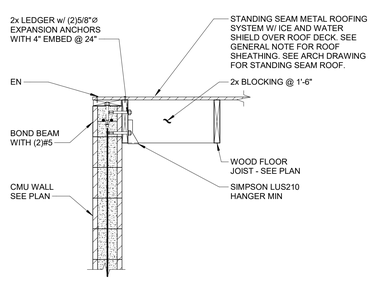
PROJECT #26002446.00



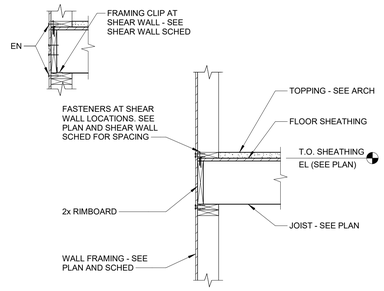

## 1 PITCHED ROOF TRUSS BEARING

3/4" = 1'-0"
6240-02



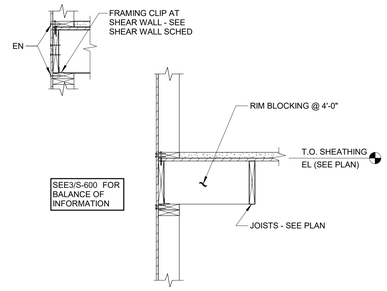

## 2 JOIST PARALLEL AT CMU CORE WALL

3/4" = 1'-0"
4330-07



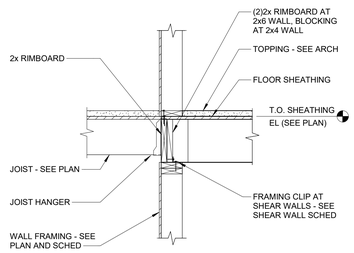

## 3 WOOD FLOOR LUMBER JOIST BEARING WITH RIMBOARD

3/4" = 1'-0"
6100-01



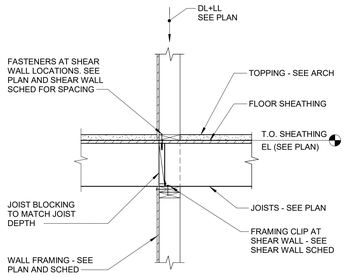

## 4 WOOD FLOOR LUMBER JOIST PARALLEL WITH RIMBOARD

3/4" = 1'-0"
6100-02



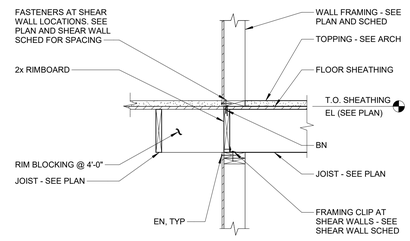

## 5 WOOD LUMBER JOIST AND JOIST BEARING AT RIMBOARD

3/4" = 1'-0"
6100-07




## 6 WOOD FLOOR LUMBER JOIST BEARING AT INT w/ BLOCKING

3/4" = 1'-0"
6100-03




## 7 WOOD FLOOR LUMBER JOIST BEARING DIRECTION CHANGE

3/4" = 1'-0"
6100-04

(?) SHEARWALL SCHEDULE

| SHEAR-WALL (1) | FLOOR | SHEATHING TYPE | NAILING | | | BLOCKING REQUIRED | HOLD DOWN EA END (4) | | #END POST STUDS | SILL PLATE ATTACHMENT (5) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SIZE | EDGE SPACING | INTERMEDIATE SPACING | | @ SLAB (4) | @ FLOOR | | |
| SW1 | GROUND<br>2ND | ZIP R 2" SYS | 12d | 6"<br>6" | 12"<br>12" | YES<br>YES | DTT2Z OR EQUIVALENT | -<br>2-CS16 | 2<br>2 | 1/2"Ø A. BOLT @ 32" |
| SW2 | GROUND<br>2ND | 5/8" GYPSUM WALLBOARD | 8d | 3"<br>6" | 12"<br>12" | YES<br>YES | DTT2Z OR EQUIVALENT | -<br>2-CS16 | 2<br>2 | 1/2"Ø A. BOLT @ 32" |

NOTES:
1. SEE PLANS FOR SHEARWALL LOCATIONS.
2. GYPSUM WALLBOARD ATTACHMENT SHALL BE MINIMUM 6d COOLER (1 7/8"x0.092") w/ 3/8" MIN HEAD, 1 3/4" x 0.120" WALLBOARD NAILS w/ 3/8" MIN HEAD, 1 3/4" LONG 16 GAGE STAPLES (1 1/2" LEGS & 1 5/8" LONG), OR #6 @ 1 1/4" TYPE S OR W DRYWALL SCREWS.
3. SEE SHEET S-601 FOR TYPICAL SHEARWALL ELEVATION AND DETAILS FOR TYPICAL SHEARWALL NAILING PATTERNS.
4. ONLY ONE HOLDDOWN IS REQUIRED AT INTERSECTING OUTSIDE CORNER SHEARWALLS WHICH HAVE A COMMON END POST (USE LARGER HOLDDOWN).
5. 1/2"Ø ANCHOR BOLTS SHALL BE EMBEDDED A MINIMUM OF 7" INTO THE SLAB. AT INTERIOR WALLS NOT LOCATED ALONG THE EDGE OF THE SLAB, 1/2"Ø EXPANSION BOLTS EMBEDDED 4" MAY BE SUBSTITUTED FOR CAST-IN-PLACE ANCHOR BOLTS. AT EXTERIOR WALLS, 1/2"Ø BOLTS EPOXIED INTO SLAB MAY BE SUBSTITUTED.
6. POWER DRIVEN FASTENER (PDF) SHALL HAVE A SHANK DIAMETER OF 0.145" AND SHALL PENETRATE A MINIMUM OF 1 1/4" INTO CONCRETE.

## 8 SCH-SSCH003B (SHEARWALL SCHEDULE)

3/4" = 1'-0"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TYPICAL WOOD DETAILS AND SECTIONS

# S-600

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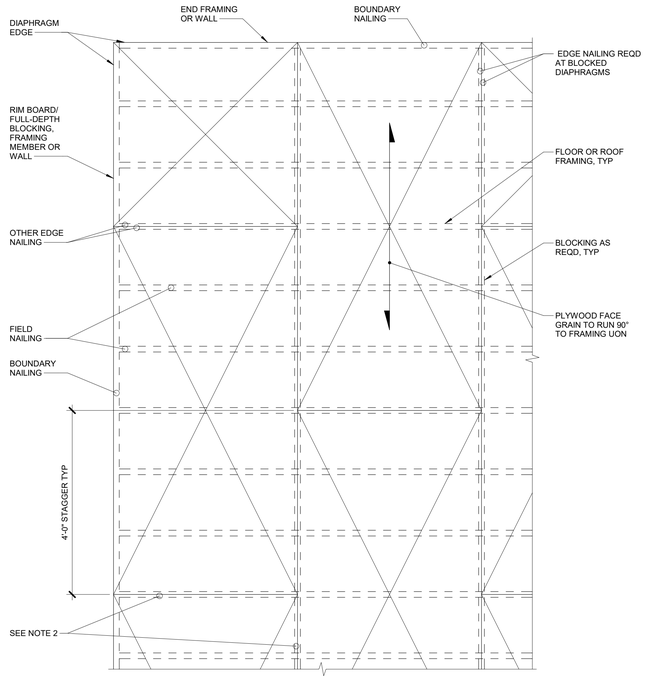
PROJECT #26002446.00




## PLYWOOD NAIL SPACING SCHEDULE

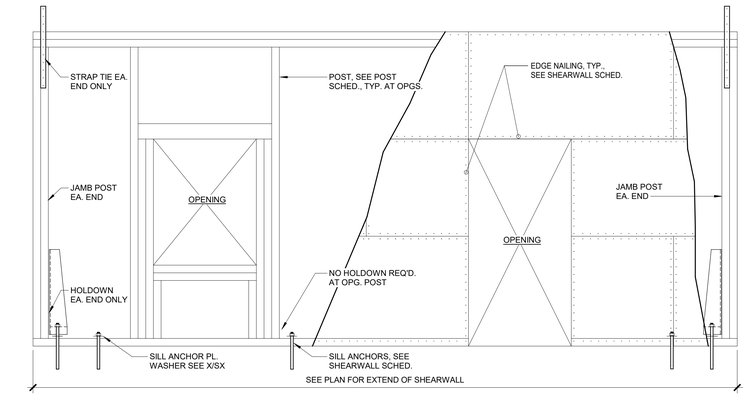
| LOCATION | BOUNDARY NAILING | EDGE NAILING | OTHER EDGE NAILING | FIELD NAILING | SOLID BLOCKING | REMARKS |
|---|---|---|---|---|---|---|
| ROOF | 4" | 4" | 6" | 12" | YES | - |
| FLOOR | 4" | 4" | 6" | 12" | YES | - |

NOTES:

1. SHEATHING NAILS SHALL BE 10d NAILS, PENETRATING 1 1/2" INTO THE FRAMING MEMBER OR BLOCKING. ALL NAILS SHALL BE COMMON NAILS.
2. ALL INTERIOR PANEL EDGES SHOWN ON NAILING PLAN SHALL HAVE TWO ROWS OF BOUNDARY EDGE NAILING. ONE ROW EACH EDGE WHERE SHEATHING PANELS ABUT.
3. PLYWOOD THICKNESS AND GRADE PER PLAN AND GENERAL NOTES.
4. ALL SHEATHING PANELS TO BE 4'-0" x 8'-0" EXCEPT WHERE JOB CONDITIONS PROHIBIT. JOINTS FROM SUCCESSIVE ROWS SHALL BE STAGGERED 4'-0" AS SHOWN. MINIMUM PANEL SIZE TO BE 2'-0" x 2'-0".
5. THE OWNER SHALL APPROVE THE USE OF OSB SHEATHING IN LIEU OF PLYWOOD SPECIFIED ON THE APPROVED CONTRACT DOCUMENTS.

## 1 FLOOR AND ROOF DIAPHRAGM

3/4" = 1'-0"
6510-01

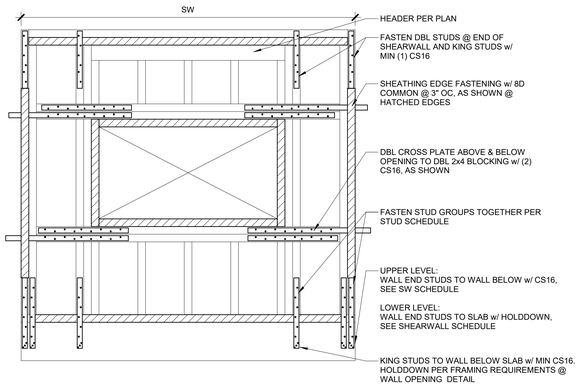



NOTE:
1. JAMB POST INDICATED IN SCHEDULE OCCURS AT EACH END OF SHEARWALL EXTENTS.
2. HOLDOWN INDICATED IN SCHEDULE OCCURS AT EACH END OF SHEARWALL EXTENTS.

## 2 TYPICAL PERFORATED SHEARWALL ELEVATION

1" = 1'-0"

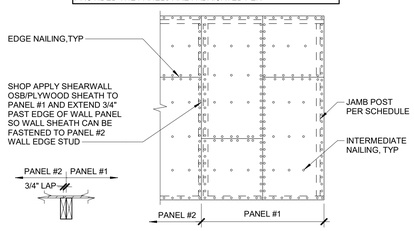
ENGINEER NOTE:
THIS DETAIL MAY BE USED AT UPPER OR LOWER LEVELS.




## 3 PERFORATED SW DETAIL

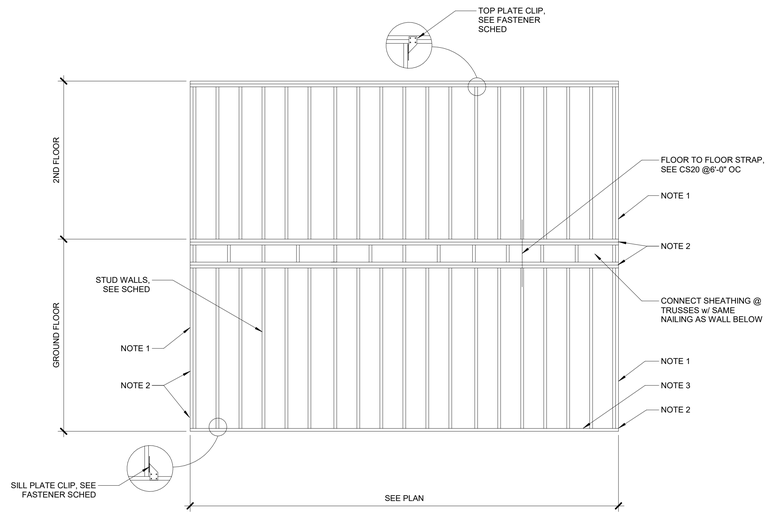
1" = 1'-0"

ALL INTERIOR SHEARWALL OSB/PLYWOOD SHEATHING TO BE FIELD INSTALLED. IF WALL IS PANELIZED OFFSITE AND CAN BE FABRICATED AND ERECTED AS ONE UNIT OSB/SHEATHING CAN BE SHOP APPLIED. SHEATHING JOINTS TO BE STAGGERED IT IS ALSO ALLOWABLE TO SHOP APPLY OSB/PLYWOOD SHEATHING PROVIDED THE PANELS ARE FABRICATED PER




## 4 SHEAR WALL ELEVATION (SHEATHING ATTACHMENT)

3/4" = 1'-0"




NOTES:
1. END POST REQUIREMENTS AT SHEARWALLS, SEE SHEARWALL SCHEDULE.
2. HOLD-DOWN ANCHORS ARE SPECIFIED IN THE SHEARWALL SCHEDULE FOR EA END OF SHEARWALL.
3. BOTTOM SILL PLATE TO FOUNDATION CONNECTORS AS SPECIFIED IN THE SHEARWALL SCHEDULE.
4. SHEARWALLS ARE DENOTED SW# ON STRUCTURAL PLANS.

## 5 TYP BEARING/ SHEARWALL ELEVATION

1" = 1'-0"

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TYPICAL WOOD DETAILS AND SECTIONS

# S-601

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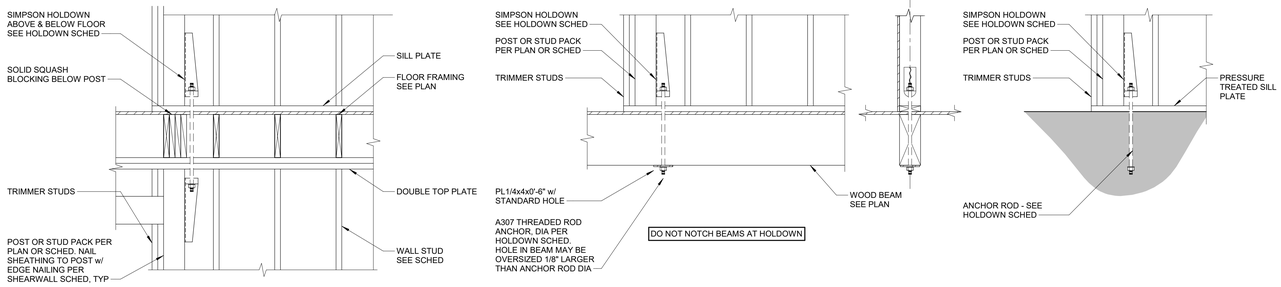


HOLDOWN ACROSS FLOOR FRAMING

HOLDOWN AT BEAM BELOW SHEARWALL

HOLDOWN AT CONCRETE SLAB/WALL

## 2 SIMPSON HOLDOWNS

3/4" = 1'-0"
6530-01

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TYPICAL WOOD DETAILS AND SECTIONS

# S-602

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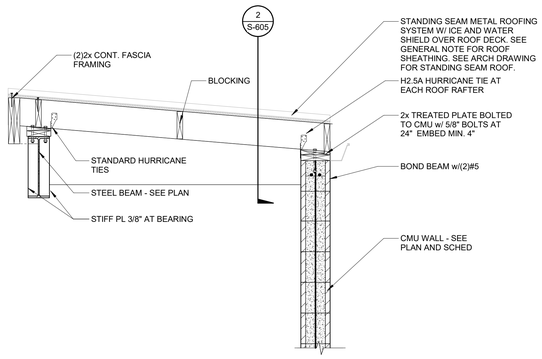
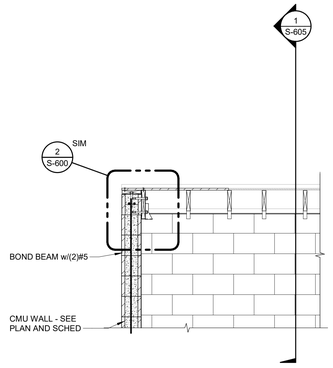
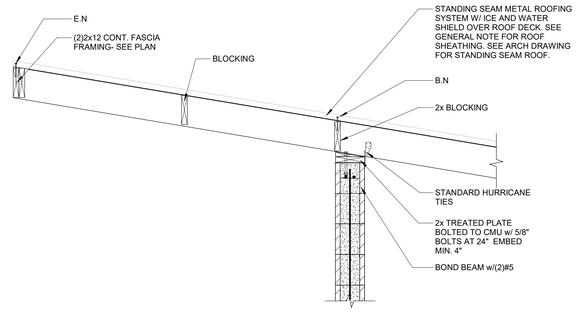



## 1 SECTION
3/4" = 1'-0"




## 2 SECTION
1/2" = 1'-0"




## 3 SECTION
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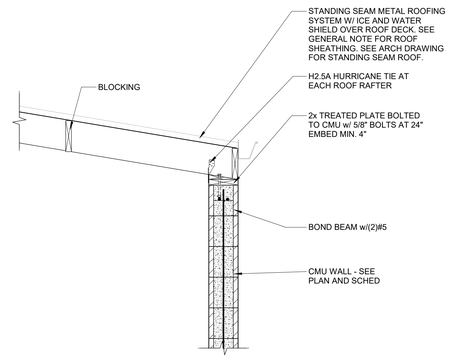


## 4 SECTION
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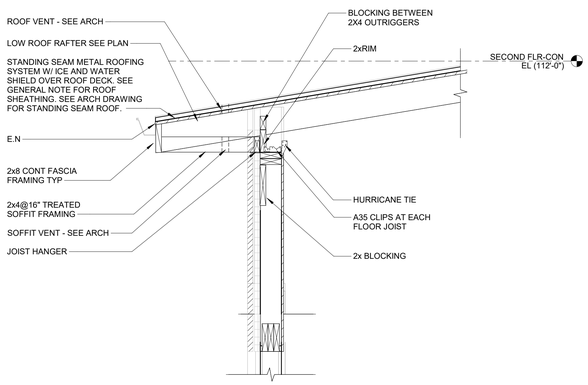
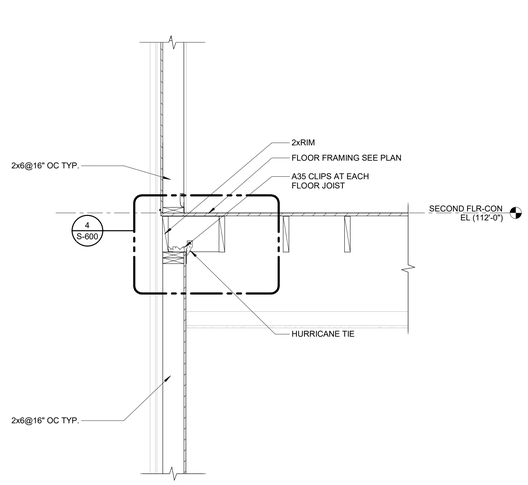
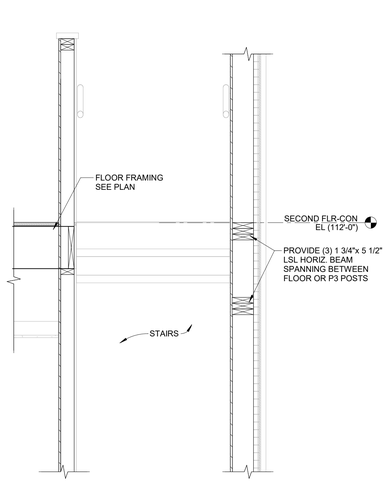



## 5 SECTION
3/4" = 1'-0"




## 6 SECTION
3/4" = 1'-0"




## 7 SECTION
3/4" = 1'-0"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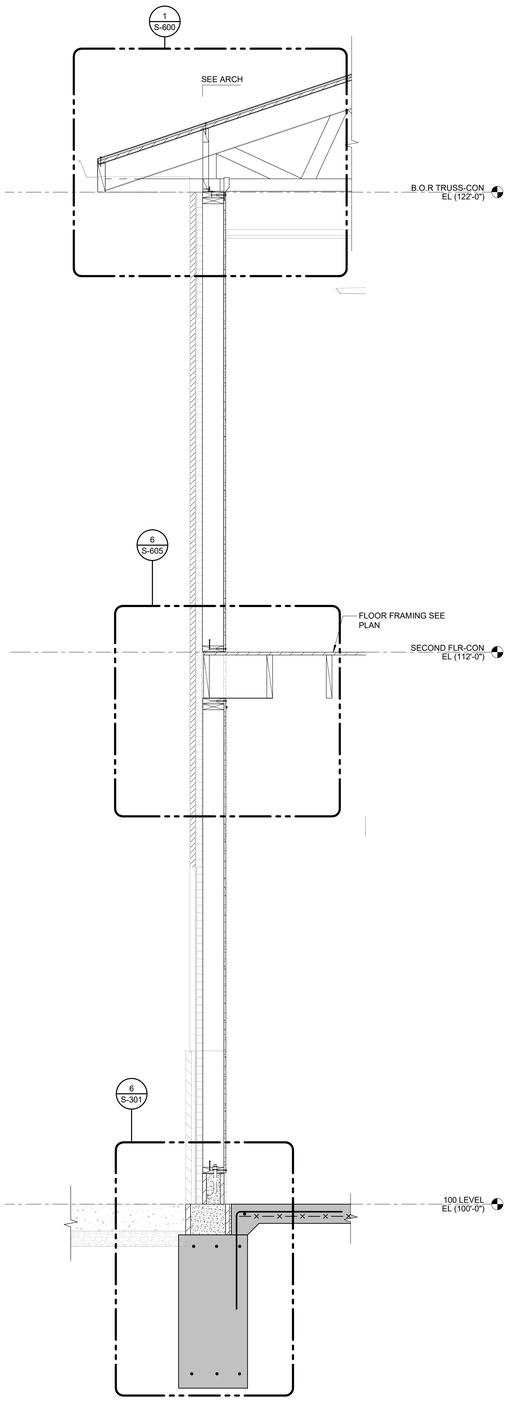


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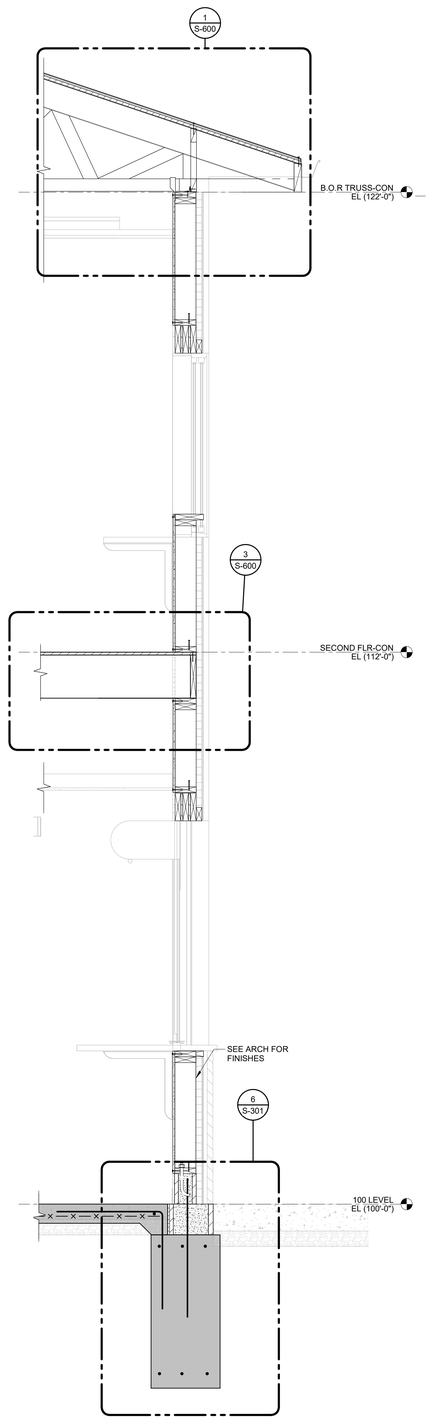


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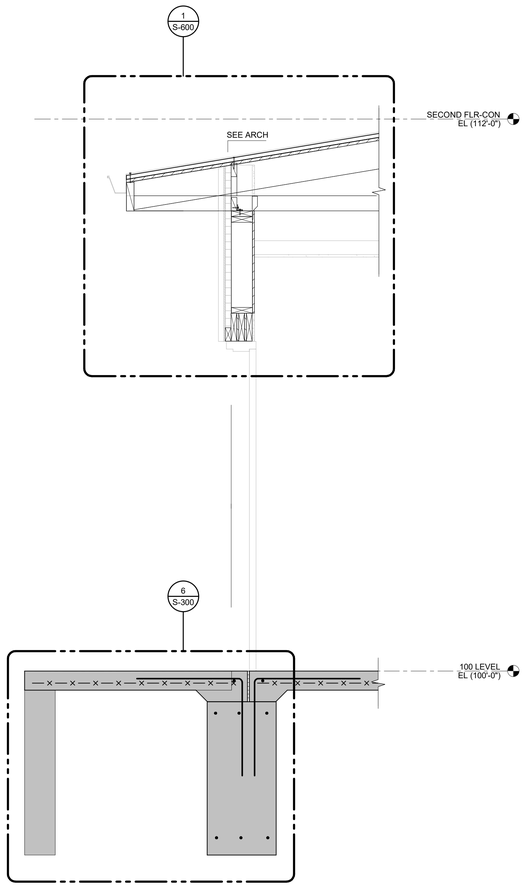


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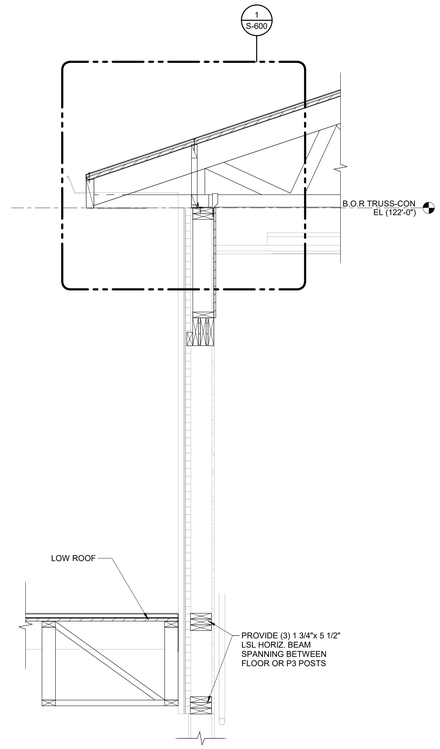


## 4 SECTION
3/4" = 1'-0"


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WOOD SECTIONS

# S-606

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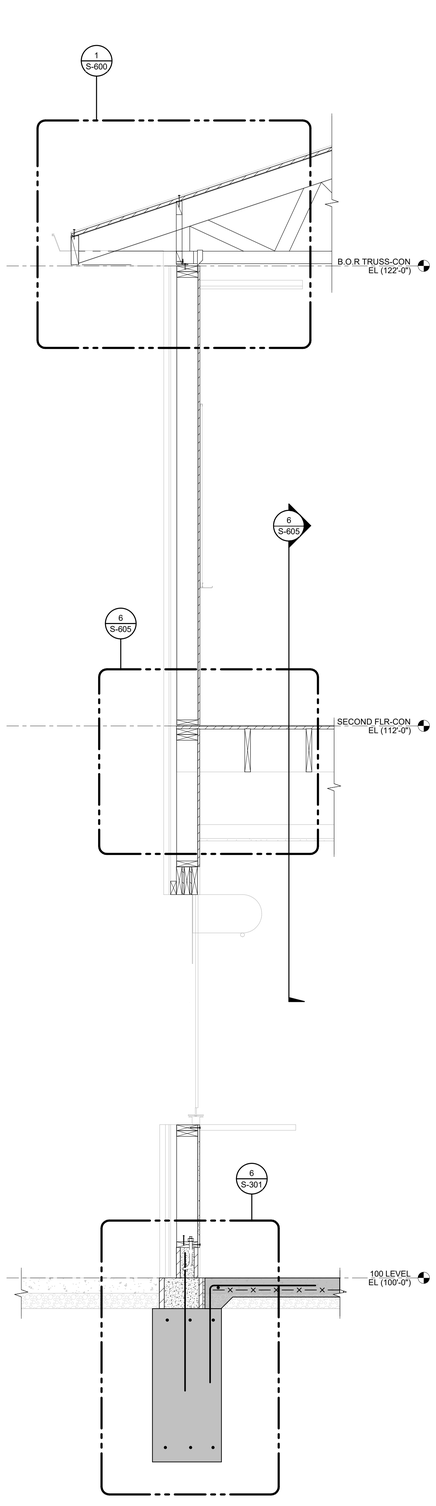
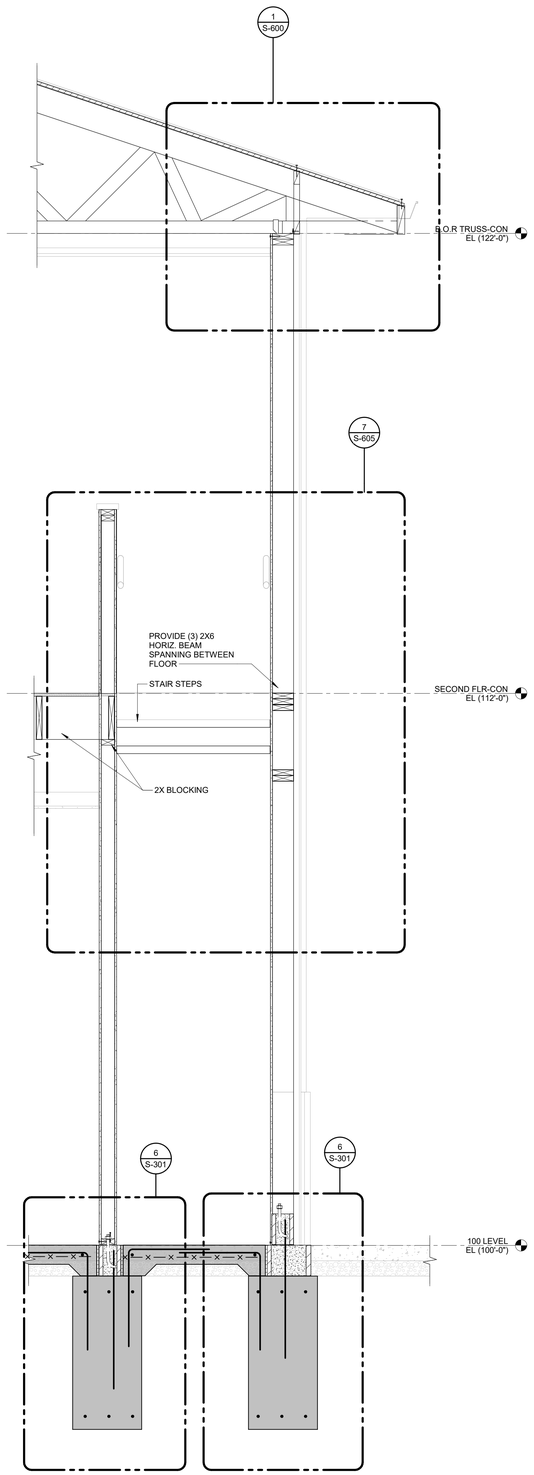
Illinois Design Firm Registration #184008976-0014


REF. SCALE IN INCHES 0 1 2 3

PROJECT #260024446.00




## 1 SECTION
3/4" = 1'-0"

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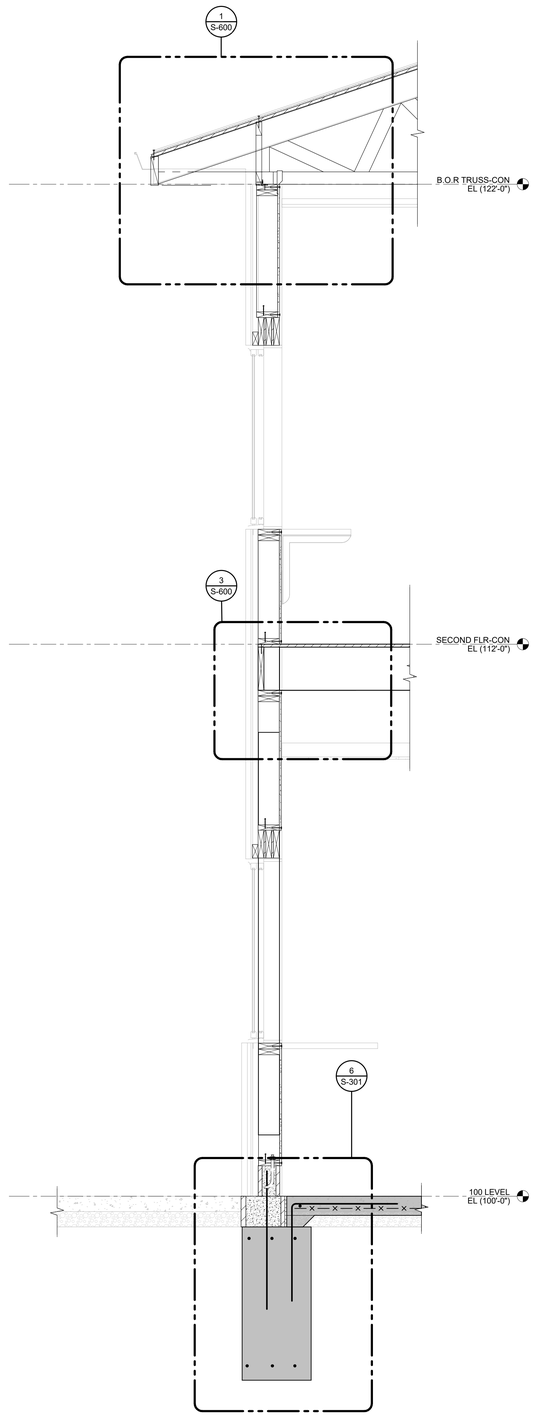
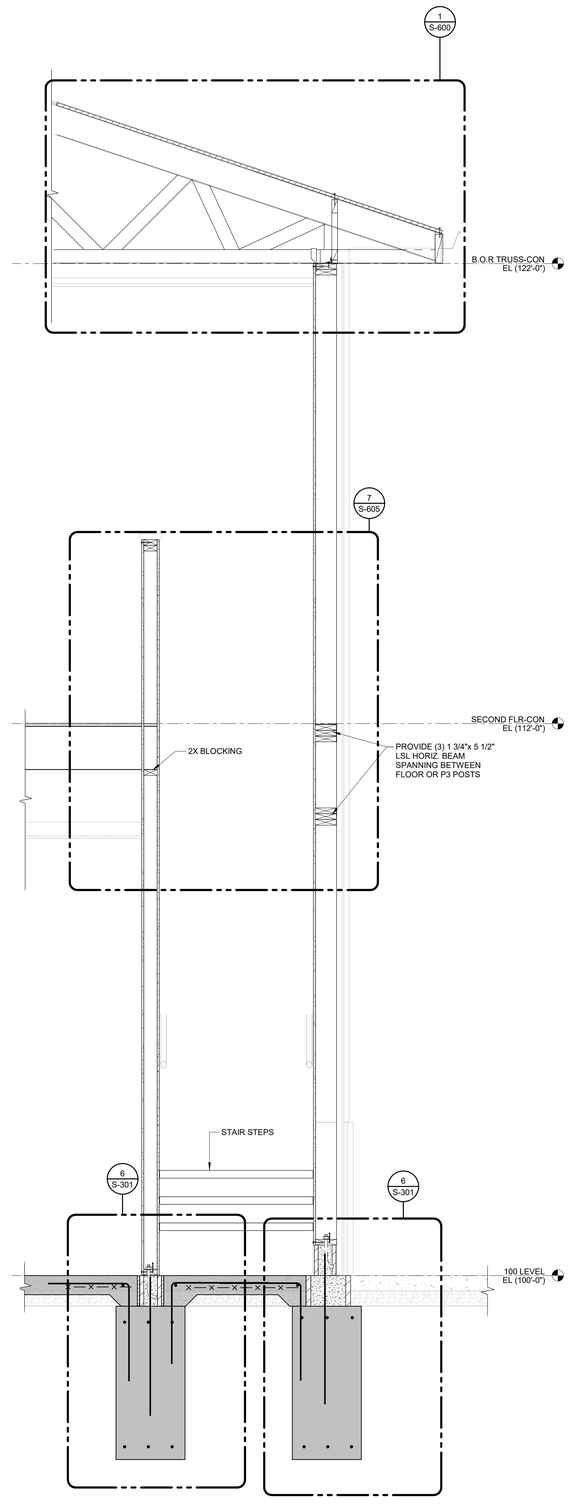



## 3 SECTION
3/4" = 1'-0"




## 4 SECTION
3/4" = 1'-0"

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| DRAWN BY | EZ |
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WOOD SECTIONS

# S-607

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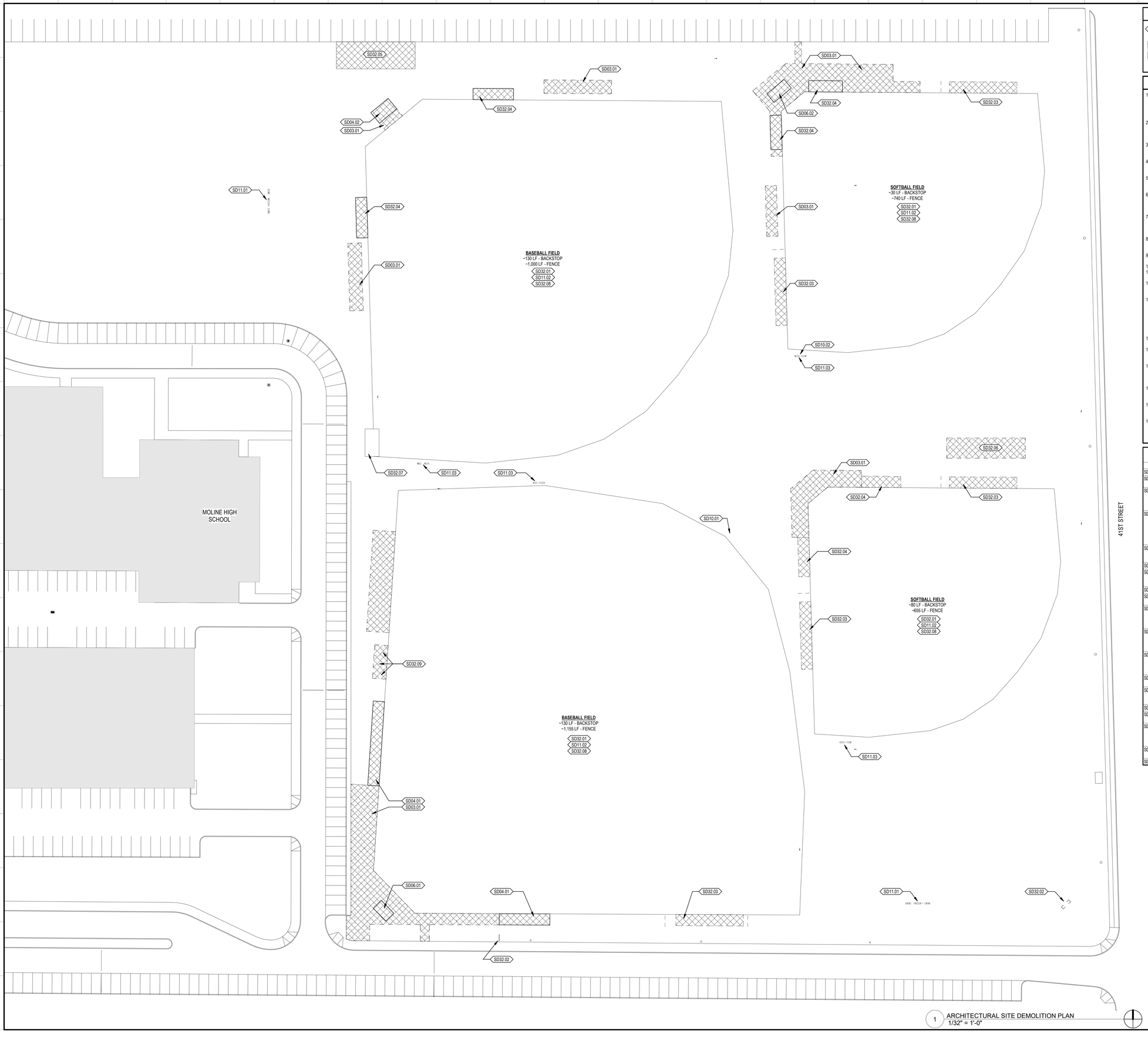


1 ARCHITECTURAL SITE DEMOLITION PLAN
1/32" = 1'-0"

## DEMOLITION LEGEND

SD## ## DEMOLITION TAG

LIMITS OF DEMOLITION WORK
- SEE MEPFP DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS

## SITE DEMOLITION PLAN GENERAL NOTES

1. REFERENCED SITE DEMOLITION NOTES REFER TO THE MINIMUM AMOUNT OF DEMOLITION REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION. TRADE CONTRACTORS SHALL VISIT PROJECT SITE TO BECOME FAMILIAR WITH COMPLETE SCOPE OF REMOVALS/DEMOLITIONS AND FIELD VERIFY THE EXTENT OF DEMOLITION.
2. EXISTING DIMENSIONS AND HATCHED AREAS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD. THE ACTUAL AREA OF DEMOLITION SHOULD BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS.
3. IN THE EVENT THAT AN EXISTING ITEM NOT SHOWN ON THE DRAWINGS CONFLICTS WITH WORK UNDER THIS CONTRACT, CONTACT THE ARCHITECT PRIOR TO REMOVAL OF THAT ITEM.
4. ALL UTILITIES SHALL REMAIN IN SERVICE FOR OTHER OCCUPANCIES. ANY SHUTDOWNS OF BUILDING MUST BE APPROVED BY OWNER AND OCCUR AT OFF HOURS AS DEFINED BY OWNER.
5. THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL MATERIAL OR EQUIPMENT IDENTIFIED TO BE REMOVED. ALL ITEMS NOT TURNED OVER TO THE OWNER SHALL BE DISPOSED OF PROPERLY AND LAWFULLY.
6. REFER TO DRAWINGS FOR LOCATIONS OF ALL ITEMS TO BE REINSTALLED. ALL ITEMS NOT SPECIFICALLY INDICATED FOR REINSTALLATION ON DRAWINGS ARE TO BE TURNED OVER TO THE OWNER. ALL ITEMS NOT TURNED OVER TO THE OWNER SHALL BE DISPOSED OF PROPERLY AND LAWFULLY.
7. ALL REMOVED ITEMS IDENTIFIED FOR REINSTALLATION OR TO BE TURNED OVER TO THE OWNER SHALL BE PROTECTED UNTIL TIME OF REINSTALLATION OR OWNER POSSESSION. DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR.
8. THROUGHOUT DEMOLITION AND CONSTRUCTION, PROTECT ITEMS SCHEDULED TO REMAIN AND/OR ALL ADJACENT MATERIALS AND EQUIPMENT, ETC. INDICATED TO REMAIN. COORDINATE REMOVAL AND PROTECTIONS WITH OWNER.
9. DO NOT COMMENCE DEMOLITION UNTIL OWNER HAS REMOVED ALL EQUIPMENT FROM AREAS OF DEMOLITION.
10. COORDINATE WITH OWNER ACCESS AND LOCATIONS OF TEMPORARY FENCING.
11. AT ITEMS TO BE REMOVED, ALSO REMOVE ALL ASSOCIATED BRACKETS, SUPPORTS, FASTENERS, ANCHORS, ETC.
12. CONTRACTOR SHALL REMOVE EXISTING PLUMBING, MECHANICAL, ELECTRICAL OR OTHER MISCELLANEOUS ITEMS REQUIRED TO COMPLETE NEW WORK BUT NOT REQUIRED TO REMAIN.
13. WHEN REMOVING INTERIOR OR EXTERIOR WALL ASSEMBLIES, CONTRACTOR SHALL ALSO REMOVE ALL ASSOCIATED POWER AND DATA RECEPTACLES, SWITCHES, ETC. REROUTE CONCEALED MEPFP WHERE REQUIRED TO MAINTAIN FUNCTIONING SYSTEMS; REMOVE ABANDONED MEPFP SYSTEMS TO SOURCE AND CAP APPROPRIATELY. REFER TO MECHANICAL, ELECTRICAL, TECHNOLOGY, LOW VOLTAGE, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
14. CONTRACTOR SHALL REMOVE ALL DEBRIS AND TRASH RESULTING FROM CONSTRUCTION ON A DAILY BASIS.
15. GENERAL CONTRACTOR SHALL RECYCLE DEMOLITION CONSTRUCTION DEBRIS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION AND SUSTAINABLE BEST PRACTICES.
16. IN THE EVENT HAZARDOUS MATERIALS ARE UNCOVERED GENERAL CONTRACTOR IS TO NOTIFY THE OWNER AND THE APPROPRIATE AUTHORITIES. THE ARCHITECT IS NOT RESPONSIBLE FOR REMOVAL / ALABATEMENT OF HAZARDOUS MATERIALS. CONTRACTOR TO PROVIDE REMOVAL / ABATEMENT AT LOCATIONS NECESSARY.
17. REFER TO THE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL AND TECHNOLOGY DRAWINGS FOR THE DEMOLITION WORK SPECIFIC TO THOSE DISCIPLINES.
18. STRUCTURAL ITEMS SHOWN AS 'TO BE REMOVED' ARE FOR REFERENCE ONLY. VERIFY APPROPRIATE SHORING OR REINFORCEMENT CONDITION WITH STRUCTURAL DRAWINGS.
19. EXISTING ALUMINUM BLEACHER SYSTEMS: SALVAGE AND RETURN TO THE OWNER; THE EXISTING VARSITY BLEACHERS WILL BE REINSTALLED AT THE NEW JUNIOR-VARSITY FIELDS, REFER TO THE ARCHITECTURAL SITE PLAN FOR QUANTITIES AND LOCATIONS.

## SITE DEMOLITION NOTES SD## ##

| NOTE | DESCRIPTION |
|---|---|
| SD03.01 | DEMOLISH EXISTING SITE CONCRETE. |
| SD04.01 | DEMOLISH EXISTING CONCRETE MASONRY UNIT BLOCK CONSTRUCTION DUGOUT AND ASSOCIATED CONCRETE SLAB |
| SD04.02 | DEMOLISH EXISTING CONCRETE MASONRY UNIT BLOCK CONSTRUCTION BUILDING. ASSUME 10' HIGH; METAL ROOF WITH WOOD FRAMING; 240 SF CONCRETE SLAB; ONE (1) HOLLOW METAL DOOR AND FRAME; TWO (2) COUNTER HEIGHT COILING DOORS |
| SD06.01 | DEMOLISH EXISTING PRESS BOX AND CONCESSIONS BUILDING IN ITS ENTIRETY AND ALL ASSOCIATED UTILITIES, CONCRETE FOUNDATIONS, AND FOOTINGS - APPROXIMATELY 240 SF. ASSUME WOOD CONSTRUCTION WITH BRICK FACE VENEER AT FIRST LEVEL AND VINYL SIDING AT SECOND LEVEL. ASPHALT SHINGLE ROOF WITH WOOD FRAMING |
| SD06.02 | DEMOLISH EXISTING CONCESSIONS BUILDING - APPROXIMATELY 200 SF. ASSUME WOOD CONSTRUCTION WITH WOOD PANEL SIDING;METAL ROOF WITH WOOD FRAMING |
| SD10.01 | DEMOLISH EXISTING FLAGPOLE AND ASSOCIATED CONCRETE FOOTING. |
| SD10.02 | REMOVE, SALVAGE, AND REINSTALL EXISTING METAL SIGN ATTACHED TO THE EXISTING SCOREBOARD SUPPORT POLES. FINAL LOCATION TO BE DETERMINED DURING CONSTRUCTION. |
| SD11.01 | DEMOLISH EXISTING GOALPOST AND ASSOCIATED POST FOOTINGS |
| SD11.02 | DEMOLISH EXISTING FOUL POSTS AND ASSOCIATED POST FOOTINGS - ASSUME TWO (2) PER FIELD |
| SD11.03 | REMOVE AND SALVAGE EXISTING SCOREBOARD. TURN OVER TO THE OWNER. DEMOLISH ALL ASSOCIATED ELECTRICAL, DATA, MOUNTING POSTS AND FOOTINGS - VERIFY POWER AND DATA FOR NEW. CONTRACTOR TO REINSTALL. REFER TO ARCHITECTURAL SITE PLAN. |
| SD32.01 | SALVAGE EXISTING CHAIN LINK FENCE FABRIC AND TURN OVER TO OWNER. DEMOLISH CHAIN LINK FENCE BACKSTOP SYSTEMS IN THEIR ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED POST FOOTINGS - TYPICAL AT ALL BASEBALL AND SFOTBALL FIELDS |
| SD32.02 | EXISITNG SCHOOL SIGN TO REMAIN. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING THE DURATION OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR MASONRY REPAIRS IF DAMAGED DURING CONSTRUCTION. |
| SD32.03 | DEMOLISH EXISTING BULLPEN AND ASSOCIATED RAILROAD-TIES AND 10' BACKSTOP AND ALL ASSOCIATED POST FOOTINGS |
| SD32.04 | DEMOLISH EXISTING DUGOUT. ASSUME 50 LF OF CHAINLINK FENCE AND ASSOCIATED POST FOOTINGS; METAL ROOF CONSTRUCTION; 350 SF CONCRETE SLAB |
| SD32.05 | DEMOLISH EXISTING BULLPEN. ASSUME 46 LF OF BRICK PAVERS. |
| SD32.06 | DEMOLISH EXISTING BATTING TUNNEL. ASSUME SIX (6) 10' POSTS AND NETTING AND ASSOCIATED FOOTINGS; 1,260 SF CONCRETE SLAB |
| SD32.07 | EXISTING METAL SHED WITH WOOD FRAMING TO REMAIN. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING THE DURATION OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE BUILDING DURING CONSTRUCTION. |
| SD32.08 | REMOVE, SALVAGE, AND REUSE EXISTING INFIELD DIRT FOR NEW PRACTICE FIELDS - REFER TO ARCHITECTURAL SITE PLAN NOTES. |
| SD32.09 | REMOVE EXISTING PICNIC TABLES AND TURN OVER TO THE OWNER. |


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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

ARCHITECTURAL SITE DEMOLITION PLAN

# AD001

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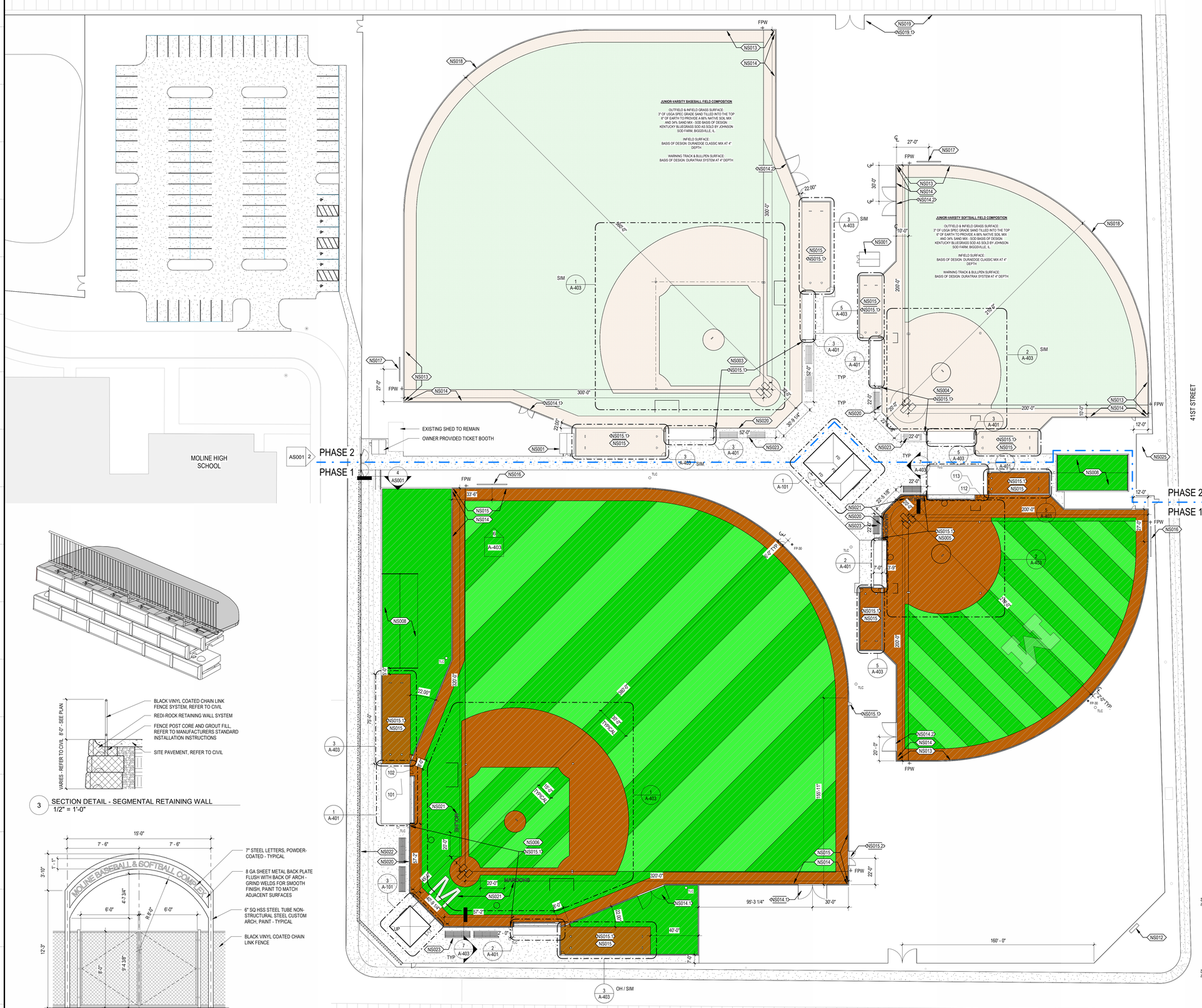








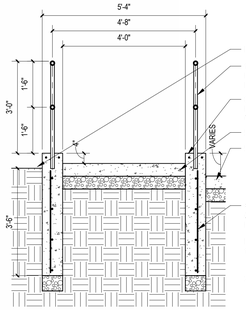
3 SECTION DETAIL - SEGMENTAL RETAINING WALL
1/2" = 1'-0"




NOTE:
- LETTERS TO BE EQ. DISTANCE BETWEEN TUBE STEEL & MOUNTED TO THE BACK PLATE WITH 2" STANDOFFS
- ARCH TO BE 8" IN FRONT OF CHAIN LINK FENCE

2 MAIN ENTRY GATE ELEVATION
1/4" = 1'-0" AS001

1 ARCHITECTURAL SITE PLAN
1/32" = 1'-0"




NOTE:
1. EXPOSED CONCRETE WALLS TO HAVE RUBBER FINISH
2. PROVIDE WEEP HOLES AT STEEL RAILINGS

4 ADA RAMP DETAIL
1/2" = 1'-0" AS001

**NOTE:**
**ALL FIELDS SHALL BE IN FULL COMPLIANCE WITH NFHS AND STATE OF ILLINOIS REQUIREMENTS. CONTRACTOR SHALL PROVIDE FOR AND COORDINATE ALL REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIELD BUILDER QUALIFICATIONS.**

## SITE PLAN LEGEND

- A101 / 1 Ref — EXTERIOR ELEVATION TAG
- N### — NEW WORK NOTE
- SYNTHETIC TURF GRASS SYSTEM, SEE CIVIL
- SYNTHETIC TURF INFIELD AND WARNING TRACK SYSTEM, SEE CIVIL
- NATURAL GRASS SYSTEM, SEE CIVIL
- ENGINEERED DIRT INFIELD AND WARNING TRACK SYSTEM, SEE CIVIL
- FP-30 — FLAGPOLE - 30'-0" - PROVIDE GROUND MOUNT LIGHTS, SEE ELECTRICAL DRAWINGS
- FPW — GROUND SLEEVE MOUNT FOUL POLE WITH WING - VARSITY BASEBALL: 30'-0" | VARSITY SOFTBALL: 20'-0" | JUNIOR-VARSITY: 20'-0"
- SB — FIXED SCOREBOARD WITH PREFINISHED STRUCTURAL COLUMNS AND ASSOCIATED FOOTINGS, SEE STRUCTURAL
- TLC — STADIUM STYLE LIGHTING FIXTURES - LIGHT FIXTURES, POLES, AN BASE MOUNTING SYSTEM TO BE PROVIDED BY MUSCO LIGHTING UNDER A SEPARATE CONTRACT.

  CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF MUSCO PROVIDED LIGHTING SYSTEM INCLUDING BUT NOT LIMITED TO CONCRETE BASES, CONDUIT, AND POWER AS NOTED ON THE ELECTRICAL DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR TYPICAL INSTALL DETAILS OF LIGHTING SYSTEM. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSTALL REQUIREMENTS WITH MUSCO LIGHTING.

  MUSCO LIGHTING CONTACT:
  BILL SMOCK
  309-574-8437
  BILL.SMOCK@MUSCO.COM
- REDI-ROCK RETAINING WALL SYSTEM - REFER TO CIVIL DRAWINGS

## ARCHITECTURAL SITE PLAN NOTES

| NOTE | DESCRIPTION |
|---|---|
| NS001 | PROVIDE A 10' x 15' CONCRETE PAD FOR OWNER PROVIDED SHED, COORDINATE FINAL LOCATION WITH OWNER. |
| NS003 | PROVIDE NATURAL GRASS JUNIOR-VARSITY BASEBALL FIELD WITH SUB-DRAINAGE SYSTEM, BLACK VINYL COATED CHAIN LINK FENCE DUGOUT AND METAL ROOF, 30'-0" H POLE-TO-POLE TENSION NETTING BACKSTOP SYSTEM - APPROXIMATELY 135 L |
| NS004 | PROVIDE NATURAL GRASS JUNIOR-VARSITY SOFTBALL FIELD WITH SUB-DRAINAGE SYSTEM, BLACK VINYL COATED CHAIN LINK FENCE DUGOUT AND METAL ROOF, 30'-0" H POLE-TO-POLE TENSION NETTING BACKSTOP SYSTEM - APPROXIMATELY 86 LF |
| NS005 | PROVIDE SYNTHETIC TURF SYSTEM VARSITY SOFTBALL FIELD WITH ASSOCIATED CONCRETE PERIMETER CURB - APPROXIMATELY 944 LF, SUB-DRAINAGE SYSTEM, CMU DUGOUT AND METAL ROOF, WINDSCREEN @ PERIMETER FENCE - APPOXIMATELY 540 LF, 30'-0" H NETTING BACKSTOP SYSTEM - APPROXIMATELY 86 LF |
| NS006 | PROVIDE SYNTHETIC TURF SYSTEM VARSITY BASEBALL FIELDWITH ASSOCIATED CONCRETE PERIMETER CURB - APPROXIMATELY 1,792 LF, SUB-DRAINAGE SYSTEM, CMU DUGOUT AND METAL ROOF, 30'-0" H POLE-TO-POLE TENSION NETTING BACKSTOP SYSTEM - APPROXIMATELY 155 LF |
| NS008 | PROVIDE DOUBLE TENSION NETTING BATTING TUNNEL SYSTEM AND ASSOCIATED CONCRETE PIERS FOR SUPPORT POLES. PROVIDE CONCRETE PERIMETER CURB AT SOFTBALL BATTING TUNNELS - APPROXIMATELY 150 LF PER TUNNEL. |
| NS012 | EXISITNG SCHOOL SIGN TO REMAIN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MASONRY REPAIRS IF DAMAGED DURING CONSTRUCTION. |
| NS013 | PROVIDE 6'-0" H VINYL COATED CHAIN LINK FENCE WITH PADDING AT THE TOP RAIL. ALTERNATE BID: PADDING FOR THE VERTICAL FENCE POSTS. |
| NS014 | PROVIDE 4'-0" H VINYL COATED CHAIN LINK FENCE WITH PADDING AT THE TOP RAI. ALTERNATE BID: PADDING FOR THE VERTICAL FENCE POSTS. |
| NS014.1 | PROVIDE 4'-0" H x 10'-0" W VINYL COATED CHAIN LINK FENCE GATE WITH VERTICAL GROUND DROP ROD AND ASSOCIATED CONCRETE PIER |
| NS014.2 | PROVIDE 4'-0" H x 24'-0" W VINYL COATED CHAIN LINK FENCE GATE WITH VERTICAL GROUND DROP ROD AND ASSOCIATED CONCRETE PIER |
| NS015 | PROVIDE 8'-0" H VINYL COATED CHAIN LINK FENCE WITH PADDING AT THE TOP RAIL. ALTERNATE BID: PADDING FOR THE VERTICAL FENCE POSTS. |
| NS015.1 | PROVIDE 8'-0" H x 3'-0" W VINYL COATED CHAIN LINK FENCE GATE |
| NS015.2 | PROVIDE 8'-0" H x 12'-0" W VINYL COATED CHAIN LINK FENCE GATE WITH VERTICAL GROUND DROP ROD AND ASSOCIATED CONCRETE PIER |
| NS016 | PROVIDE NEW FIXED 7'-0" x 25'-0" SCOREBOARD WITH PREFINISHED STRUCUTRAL COLUMNS AND ASSOCIATED FOOTINGS, SEE STRUCTURAL. SEE ELECTRICAL FOR POWER AND DATA REQUIREMENTS. |
| NS017 | PROVIDE NEW FIXED 6'-6" x 20'-0" SCOREBOARD WITH PREFINISHED STRUCUTRAL COLUMNS AND ASSOCIATED FOOTINGS, SEE STRUCTURAL. SEE ELECTRICAL FOR POWER AND DATA REQUIREMENTS. |
| NS018 | PROVIDE 8" W DURABLE RUBBER STRIP FENCE BORDER GUARD AT THE PERIMETER OF THE NATURAL GRASS CHAIN LINK FENCE - APPROXIMATELY 1,600 LF |
| NS019 | ALTERNATE BID: PROVIDE 8'-0" H VINYL COATED CHAIN LINK FENCE - TYPICAL AT COMPLEX PERIMETER FENCE. ASSOCIATED GATES IN PERIMETER FENCE ARE INCLUDED IN THE ALTERNATE BID. |
| NS019.1 | PROVIDE 8'-0" H VINYL COATED CHAIN LINK FENCE GATE WITH VERTICAL GROUND DROP ROD AND ASSOCIATED CONCRETE PIER |
| NS020 | PROVIDE 3'-0" H BLACK VINYL COATED CHAIN LINK FENCE WITH INTEGRAL ATHLETIC PADDING BELOW THE 30'-0" H TENSION NETTING BACKSTOP SYSTEM. |
| NS021 | PROVIDE TEXT GRAPHIC IN SYNTHETIC TURF GRASS FIEL - FINAL LOCATION TBD BY OWNER. COLOR TO BE DETERMINED. |
| NS022 | PROVIDE REDI-ROCK RETAINING WALL SYSTEM - APPROXIMATELY 430 LF, REFER TO MANUFACTURERS STANDARD INSTALLATION DETAILS FOR MOMENT SLAB CONNECTION - REFER TO CIVIL DRAWINGS |
| NS023 | OWNER PROVIDED ALUMINUM BLEACHER SYSTEMS. |
| NS025 | COORDINATE CHAIN LINK FENCE LOCATION WITH NEW TRANSFORMER AND ASSOCIATED CONCRETE PAD AND BOLLARDS. REFER TO CIVIL AND ELECTRICAL DRAWINGS |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| PROJECT NUMBER | 226057.00 |
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| DRAWN BY | CS |
| REVIEWED BY | ZC |

## ARCHITECTURAL SITE PLAN

# AS001

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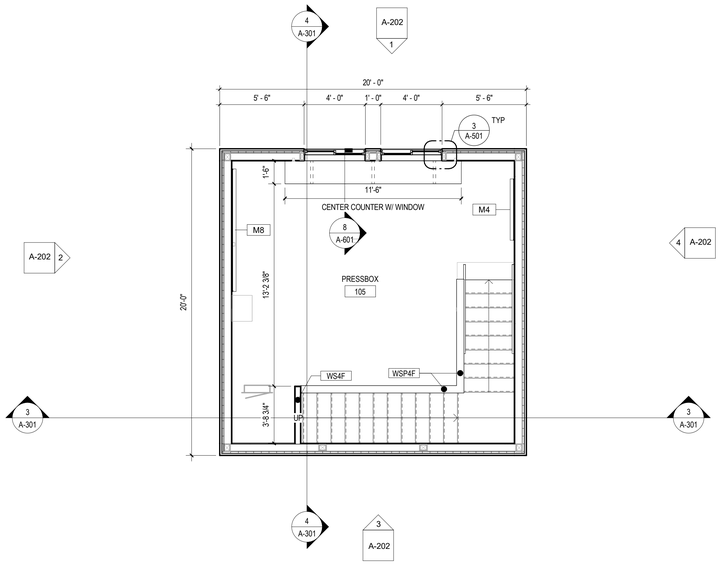
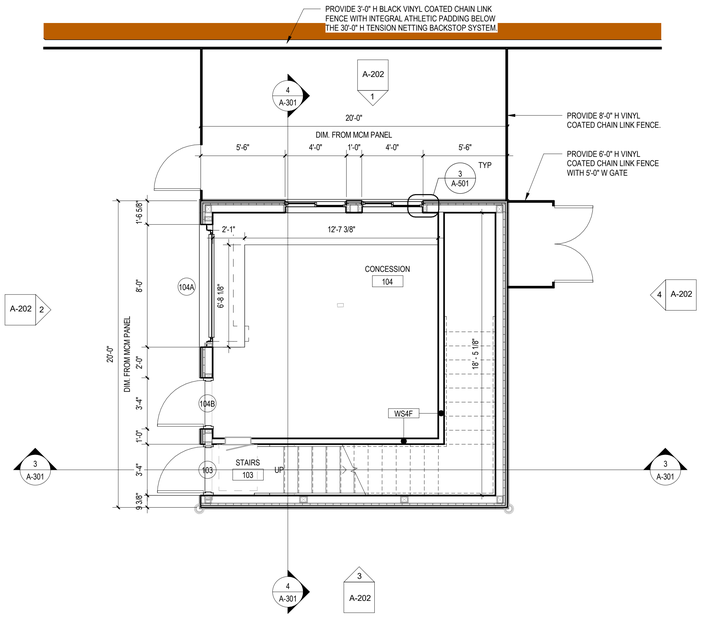
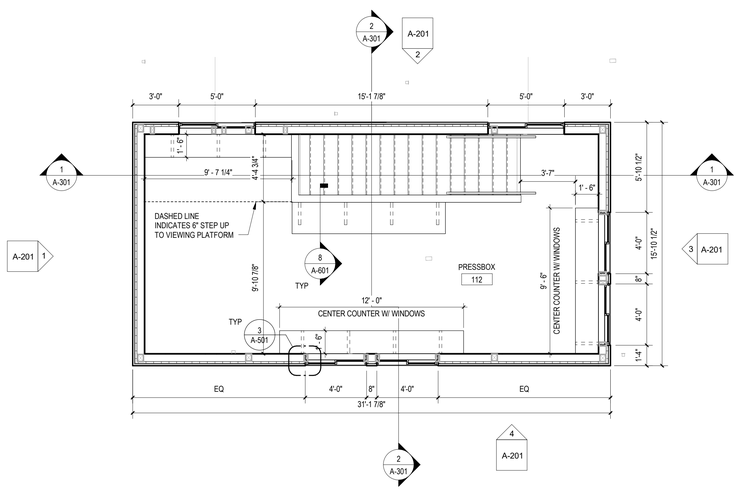


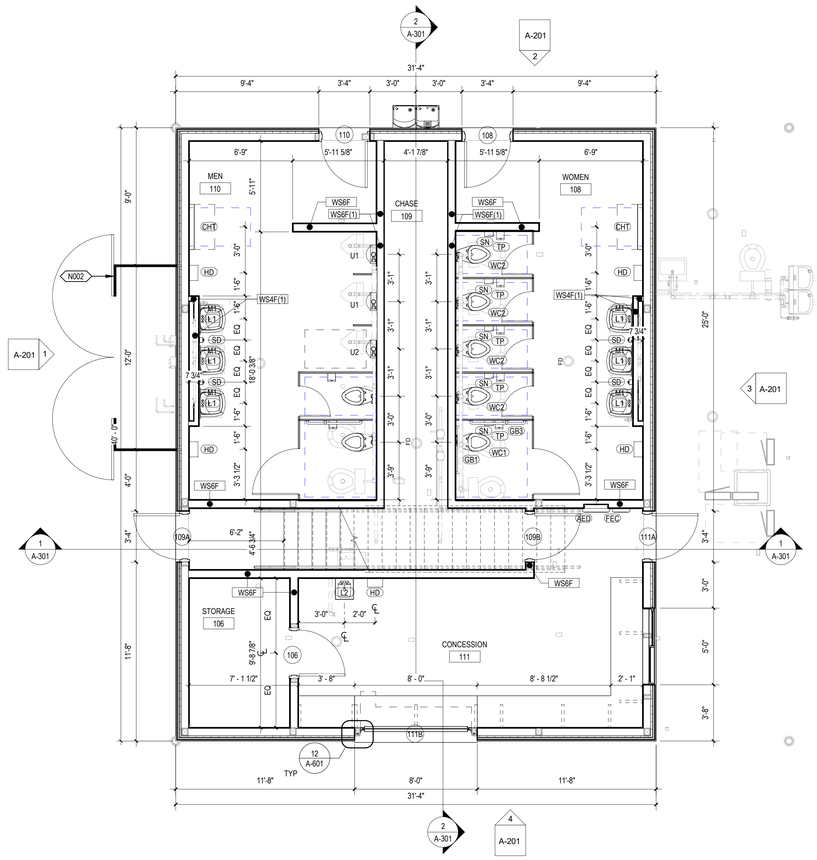

4 SECOND FLOOR PLAN
1/4" = 1'-0"




3 FIRST FLOOR PLAN
1/4" = 1'-0"
AS001




2 SECOND FLOOR CONCESSION BUILDING
1/4" = 1'-0"




1 FIRST FLOOR CONCESSION BUILDING
1/4" = 1'-0"
AS001

## FLOOR PLAN LEGEND

- 1 / A101 — SIM — DETAIL SECTION TAG
- 1 / A101 — SIM — BUILDING & WALL SECTION TAG
- WS6F — WALL TYPE - REFER TO G-001 FOR WALL TYPES
- 101 — DOOR NUMBER - REFER TO A-601 FOR DOOR AND FRAME SCHEDULE
- ROOM NAME / 101 — ROOM NAME / ROOM NUMBER
- A101 / Ref — INTERIOR ELEVATION TAG
- A101 / 1 / Ref — EXTERIOR ELEVATION TAG
- 0 — COLUMN TAG AND COLUMN CENTERLINE
- A101 / Ref / 1 — STOREFRONT, CURTAIN WALL AND WINDOW ELEVATION
- FEC — SEMI-RECESSED FIRE EXTINGUISHER AND CABINET
- FD — FLOOR DRAIN

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| NO. | DESCRIPTION | DATE |
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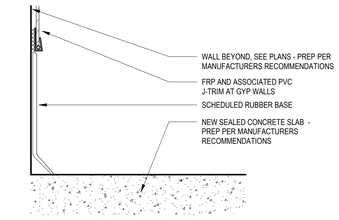
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

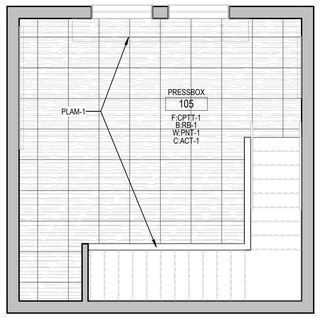
CONCESSION BUILDING FIRST & SECOND FLOOR PLAN

# A-101

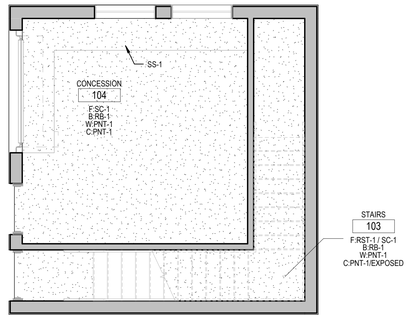
ISSUED FOR REBID



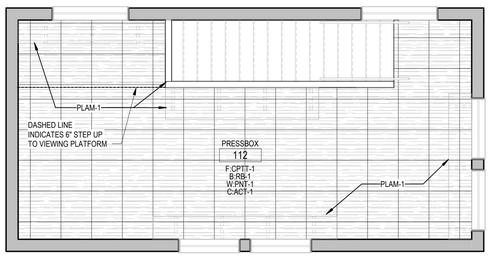

5 FRP / RB-1 - SECTION DETAIL
6" = 1'-0"



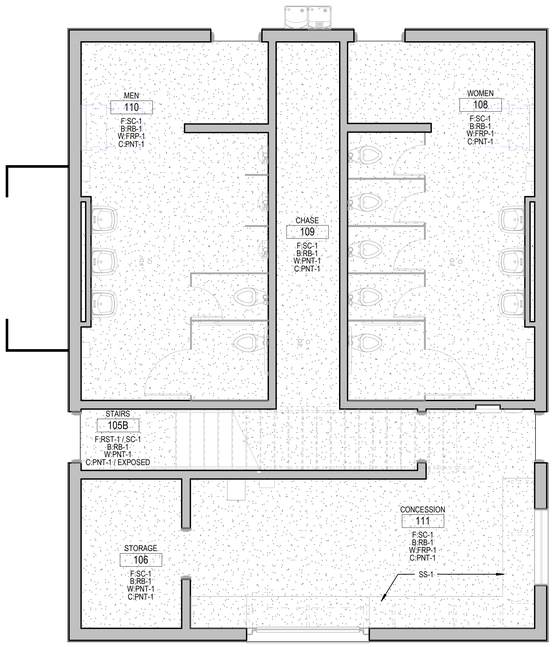

4 SECOND FLOOR PLAN
1/4" = 1'-0"




2 FIRST FLOOR PLAN
1/4" = 1'-0"

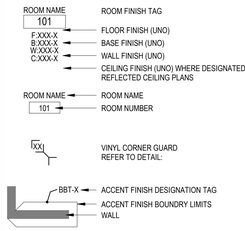



3 SECOND FLOOR FINISH PLAN CONCESSION BUILDING
1/4" = 1'-0"




1 FIRST FLOOR FINISH PLAN CONCESSION BUILDING
1/4" = 1'-0"

## SYMBOL LEGEND




## GENERAL NOTES: THRESHOLDS

1. ALL ALUMINUM THRESHOLDS TO BE FIRE RATED (FR) & CONFORM TO UL 10C.
2. USE ALUMINUM THRESHOLD UNDER ALL RATED DOORS (UNLESS FLOOR IS EXPOSED CONCRETE).
3. ALL ALUMINUM THRESHOLDS TO BE ANCHORED TO CONCRETE WITH FLAT HEAD METAL (FINISH TO MATCH ALUMINUM) EXPANSION ANCHORS.
4. RESILIENT FLOORING = VCT OR RUBBER OR LINOLEUM FLOORING
5. CARPET = CARPET OR CARPET TILE
6. TILE = PORCELAIN OR CERAMIC OR MOSAIC TILE

## FINISH LEGEND & SCHEDULE

| | | |
|---|---|---|
| CPTT-X | CARPET TILE | MANUF: MOHAWK GROUP<br>STYLE: TUFF STUFF II; STEP UP II GT311<br>COLOR: COBALT<br>SIZE" 24" x 24" |
| FRP-1 | FIBERGLASS REINFORCED PANEL | MANUF: MARLITE1<br>STYLE: EMBOSSED<br>COLOR: WHITE WITH WHITE GROOVES<br>SIZE: SEE SPECIFICATIONS |
| MT-1 | METAL TRANSITION | MANUF: SCHLUTER<br>FINISH: ALUMINUM |
| PLAM-1 | PLASTIC LAMINATE | MANUF: WILSONART<br>COLOR: NORDIC LINEN 5015-38<br>LOCATION: COUNTERTOPS & WALL CAPS |
| RB-1 | RUBBER BASE | MANUF: TARKETT<br>STYLE: COVE<br>COLOR: CHARCOAL<br>SIZE: 4" HIGH |
| RST-1 | RUBBER STAIR TREAD | MANUF: TARKETT - JOHNSONITE<br>STYLE: ANGLE FIT RUBBER STAIR TREADS WITH RISERS<br>COLOR: MATCH RB-1<br>*PROVIDE WITH VISUALLY IMPAIRED RUBBER INSERT |
| SC-1 | SEALED CONCRETE | MANUF: H&C CLARISHIELD WATER-BASED WET LOOK CONCRETE SEALER |
| SS-1 | STAINLESS STEEL COUNTERTOP | 18 GA; 304 STAINLESS STEEL COUNTERTOP OVER PLYWOOD SUBSTRATE WITH 5" INTEGRAL BACKSPLASH<br>NOTE: WELDED SEAMS |
| TC-1 | TOILET COMPARTMENTS | MANUF: ASI GLOBAL PARTITIONS<br>MATERIAL: SOLID PLASTIC (HDPE)<br>COLOR: TBD<br>STYLE: ULTIMATE PRIVACY - NO SIGHT - 55 |

## PAINT LEGEND & SCHEDULE

| | | |
|---|---|---|
| PNT-1 | FIELD PAINT | MANUF: SHERWIN WILLIAMS<br>COLOR: ALABASTER - SW 7008<br>SHEEN: SEMI-GLOSS |
| PNT-2 | DOOR AND FRAMES | MANUF: SHERWIN WILLIAMS<br>COLOR: GRIZZLE GREY - SW 7068<br>SHEEN: REFER TO LOCATION |

## SIGN SCHEDULE

| | |
|---|---|
| SERVICE SIGNS | PROVIDED AT THE FOLLOWING DOORS:<br>101, 102, 103, 104B, 106, 109A, 109B, 111A, 112, 113 (QTY. 10)<br><br>FINAL LOCATIONS TBD BY OWNER |
| RESTROOM SIGNS | PROVIDED AT THE FOLLOWING DOORS:<br>108 & 110 (QTY. 2) - PROVIDE CHANGING STATION SYMBOL<br><br>FINAL LOCATIONS TBD BY OWNER |
| OFFICE SIGNS | PROVIDED AT THE FOLLOWING DOORS:<br>VARSITY HOME LOCKER ROOMS (QTY. 2)<br><br>FINAL LOCATIONS TBD BY OWNER |
| PLAQUE | PROVIDE ONE PLAQUE, REFER TO THE SPECIFICATIONS.<br><br>FINAL LOCATION TBD BY OWNER |

## GENERAL FINISH NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR MATERIAL AND COLOR INFORMATION. ALSO REFER TO THE PROJECT MANUAL.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING MATERIALS AND CEILING HEIGHTS.
3. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PROPERLY PREPARE ALL SURFACES IDENTIFIED TO RECEIVE NEW FINISHES IN ACCORDANCE WITH THE FINISH MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE WINDOW SHADE SYSTEM AT ALL NEW EXTERIOR WINDOWS EXCEPT THOSE IN CORRIDORS AND STAIRS AND UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE SIZE OF WINDOW TREATMENT BASED ON THE OPENING SIZE.
6. PROVIDE 48" HIGH METAL CORNER GUARDS AT ALL OUTSIDE CORNERS OF NEW GYPSUM BOARD PARTITIONS UNLESS NOTED OTHERWISE.
7. REFER TO FINISH PLANS FOR FLOOR AND WALL PATTERNS.
8. REFER TO FINISH LEGEND AND SPECIFICATIONS FOR MATERIAL AND COLOR INFORMATION.
9. NUMBERS/LETTERS REFER TO COLOR. REFER TO FINISH LEGEND AND/OR SPECIFICATIONS.
10. IN ALL RENOVATED AREAS ALL WALLS SHALL BE PAINTED PNT-1 U.N.O. ALL NEW WALLS SHALL BE PAINTED PNT-1 UNLESS NOTED OTHERWISE.
11. BRICK WALLS SHALL NOT BE PAINTED. U.N.O.
12. REFER TO INTERIOR ELEVATIONS AND/OR FINISH PLANS FOR PORCELAIN TILE WALL PATTERN INFORMATION.
13. USE VERTICAL METAL EDGE TRANSITIONS IN PORCELAIN TILE WALL OUTSIDE CORNERS AND/OR IN PORCELAIN TILE WALL EXPOSED EDGES.
14. DO NOT INSTALL RUBBER BASE ON TOP OF PORCELAIN TILE WALL. (U.N.O.)
15. REFER TO INTERIOR ELEVATIONS AND FINISH PLANS FOR APPLIED PANEL PATTERN INFORMATION
16. ALL HOLLOW METAL DOOR FRAMES AND HOLLOW METAL WINDOW FRAMES TO BE PAINTED PNT-X (IPS-X) U.N.O. IN FINISH DRAWINGS.
17. ALL ACCESS DOORS TO BE PAINTED. COLOR TO MATCH ADJACENT SURFACE.
18. ELECTRICAL PANELS, MECHANICAL GRILLES, LOUVERS, AND ANY OTHER MISCELLANEOUS. UNFINISHED ITEMS INSTALLED IN WALL SURFACES OF CORRIDORS AND OCCUPIED SPACES SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR.
19. METAL ACCESS LADDERS TO BE PAINTED PNT-X U.N.O.
20. REFER TO FINISH PLANS FOR PLASTIC LAMINATE (PLAM) AND SOLID SURFACE (SSF) COLOR DESIGNATIONS
21. 4"H STRAIGHT RUBBER BASE TO BE USED FOR ALL CARPET TILE LOCATIONS (U.N.O.)
22. 4"H COVED RUBBER BASE TO BE USED FOR ALL RESILIENT FLOORING LOCATIONS (U.N.O.)
23. INSTALL RUBBER COVE BASE AT CASEWORK, TOE KICKS, INSIDE OF FLOORLESS CASEWORK, VERTICAL SUPPORTS AND OVER NEW FLOOR MATERIAL (U.N.O.)
24. ALL SEALED CONCRETE FLOORS SHALL HAVE RUBBER BASE (U.N.O.).
25. CARPET TILE (CPTT) TO BE INSTALLED IN ONE OF THE SELECTED MANUFACTURER APPROVED PATTERN INSTALLATIONS.
26. REFER TO SPECIFICATIONS FOR RESILIENT TRANSITIONS (RT) PROFILES.
27. ALL REDUCERS TO BE COORDINATED APPROPRIATELY WITH ABUTTING MATERIAL HEIGHTS.
28. AT BUILDING CONSTRUCTION JOINTS DO NOT BRIDGE THE FLOORING MATERIALS. INSTALL MATCHING MATERIAL WITHIN.
29. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLOPES TO FLOOR DRAINS. COORDINATE ACCORDINGLY WITH INTENDED FLOOR MATERIAL.
30. PROVIDE VAPOR BARRIER SEALER ON CONCRETE SURFACES AT ALL AREAS TO RECEIVE CARPET AND/OR RESILIENT FLOORING.
31. PRIOR TO THE INSTALLATION OF NEW ADHESIVES OVER CONCRETE SUBSTRATES PRIOR TO THE INSTALLATION OF FLOOR COVERING SYSTEMS. APPLY A LIGHT-COLORED HIGH STRENGTH ACRYLIC POLYMER COMPOUND (AQUEOUS FLOOR SEALER) TO ISOLATE AND CUT BACK OLD ADHESIVE FLOOR RESIDUES. ACRYLIC POLYMER COMPOUND TO BE SOLVENT FREE AND TO CONTAIN "ZERO" CALCULATED VOC'S. BASIS OF DESIGN XL BRANDS "TRISEAL". FOLLOW MANUFACTURERS RECOMMENDATION FOR INTENDED APPLICATION.
32. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE PREPARATION OF SURFACES TO RECEIVE FINISH PRODUCT. CONSULT WITH MANUFACTURERS RECOMMENDED PRACTICES.
33. WHERE "PATCH AND REPAIR" IS REQUIRED DUE TO NEW CONSTRUCTION IN EXISTING AREAS WHERE NO WORK IS SCHEDULED TO BE PERFORMED "PATCH AND REPAIR" FINISHES TO MATCH ADJACENT EXISTING FINISH. COLOR, TEXTURE AND SHEEN.
34. IN ALL EXISTING AREAS SCHEDULED TO BE RENOVATED, REPLACE ALL EXISTING ELECTRICAL WALL COVER PLATES AND DEVICES. ALL NEW ELECTRICAL COVER PLATES AND DEVICES TO BE STAINLESS STEEL.
35. ANY DAMAGE TO EXISTING SURFACES DUE TO SCHEDULED DEMOLITION AND/OR TO ACCOMMODATE DIVISION 22, 23, 26, 27 & 28 SCOPE OF WORK INCLUDED IN THIS PACKAGE SHALL BE REPAIRED. THOUGH NOT EXPRESSLY NOTED "PATCH AND REPAIR", IT IS INTENDED THAT THE WORK BE PERFORMED.
36. "PATCH AND REPAIR" WALLS AS REQUIRED WHERE EXISTING JUNCTION BOXES AND/OR OUTLETS ARE REMOVED. PREPARE WALLS FOR NEW PAINT FINISH.
37. REFER TO SPECIFICATIONS FOR ELEVATOR FINISHES.
38. AT AREAS SCHEDULED TO RECEIVE FIBERGLASS REINFORCED WALL PANELS, PROVIDE 5/8" PLYWOOD BACKING IN LIEU OF GYPSUM BOARD.

## GENERAL FLOOR FINISH NOTES

1. AT ALL AREAS OF NEW FLOORING:
   - A. PROVIDE RUBBER TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS.
   - B. PROVIDE 4-INCH RUBBER BASE ON ALL VERTICAL SURFACES ABUTTING FLOORING MATERIALS.
   - C. GRIND ANY HIGH SPOTS AND FILL ANY LOW SPOTS IN CONCRETE SUBSTRATE PRIOR TO BEGINNING ANY WORK.
   - D. PREPARE CRACKS AND OTHER SURFACE DEFECTS IN CONCRETE SUBSTRATE IN ACCORDANCE WITH FLOORING MANUFACTURER'S RECOMMENDATIONS PRIOR TO BEGINNING ANY WORK.
2. AT ALL AREAS OF NEW FLOORING IN EXISTING BUILDING:
   - A. EXISTING FLOORING AS INDICATED ON DRAWINGS MAY BE ASBESTOS CONTAINING AND SHALL BE REMOVED UNDER SEPARATE CONTRACT.
   - B. SHOT BLAST EXISTING CONCRETE SUBSTRATE PRIOR TO BEGINNING ANY WORK.
   - C. GRIND ANY HIGH SPOTS AND FILL ANY LOW SPOTS IN CONCRETE SUBSTRATE RESULTING FROM DEMOLITION PRIOR TO BEGINNING ANY WORK.
   - D. PROVIDE CEMENTITIOUS SELF-LEVELING FLOORING UNDERLAYMENT. PROVIDE TWO COATS WITH A COMBINED AVERAGE THICKNESS OF ¼-INCH.
   - E. UNDERCUT EXISTING WOOD DOORS LOCATED ON OR ADJACENT TO AREAS OF NEW FLOORING AS REQUIRED TO ENSURE PROPER OPERATION OF THE DOOR(S).
   - F. EXISTING THRESHOLDS TO REMAIN SHALL BE REMOVED AND REINSTALLED SO NEW FLOORING CAN BE INSTALLED UNDER THE EDGE OF THRESHOLDS.
3. PROVIDE RUBBER FLOOR SYSTEM IN ELEVATOR CAB.
4. AT EVERY STAIR GOING DOWN FROM FLOOR LEVELS PROVIDE 36" WIDE RUBBER TACTILE WARNING STRIP FOR FULL WIDTH OF STAIR. TACTILE WARNING STRIP NOT REQUIRED AT INTERMEDIATE LANDINGS (U.N.O.).

## GENERAL PAINTING NOTES

1. ALL NEW CONSTRUCTION AND IDENTIFIED EXISTING CONSTRUCTION TO REMAIN SHALL BE PRIME AND FINISH PAINTED UNLESS MATERIALS ARE PRE-FINISHED. REFER TO THE PROJECT MANUAL.
   - A. NEW PARTITIONS ARE TO BE PRIME PAINTED FOR FULL HEIGHT OF PARTITION (U.N.O.).
   - B. SIGHT-EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE FINISHED PAINTED.
   - C. SIGHT-EXPOSED SURFACES OF SOFFITS SHALL BE PRIME AND FINISHED PAINTED.
2. ALL WALLS IN EXISTING ROOMS IN WHICH WORK IS OCCURRING:
   - A. REPAIR HOLES, DEFECTS, ETC. IN EXISTING WALLS.
   - B. AT REPAIRS AND UNPAINTED CONCRETE BLOCK PROVIDE BLOCK FILL PAINT AND TWO FINISH COATS OF PAINT.
   - C. AT REPAIRS AND UNPAINTED GYPSUM BOARD AND/OR PLASTER PROVIDE PRIMER AND TWO FINISH COATS OF PAINT.
   - D. PROVIDE ONE FINISH COAT OF PAINT OVER EXISTING PAINTED WALLS.
3. IN OCCUPIED SPACES IN AREAS OF NEW CONSTRUCTION, ALL SIGHT-EXPOSED MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND TECHNOLOGY COMPONENTS INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC SHALL BE PAINTED. DATA CABLING SHALL NOT BE PAINTED.
4. AT AREAS OF EXPOSED ROOF STRUCTURE IDENTIFIED TO BE PAINTED, ALL SIGHT-EXPOSED ITEMS SHALL BE PAINTED INCLUDING, BUT NOT LIMITED TO, ROOF DECK, STRUCTURE, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC.
5. ALL WALLS TO BE FINISH PAINTED PNT-1 WITH EGGSHELL FINISH (U.N.O.).
6. AT STEEL DOORS AND STEEL FRAMES:
   - A. INTERIORS TO BE PAINTED PNT-1 WITH SEMI-GLOSS FINISH (U.N.O.).
   - B. ALL EXTERIOR TO BE PAINTED WITH COLOR TO BE SELECTED BY ARCHITECT WITH SEMI-GLOSS FINISH (U.N.O.).

## GENERAL CEILING FINISH NOTES

1. REFER TO PAINT SPECIFICATIONS, FINISH DRAWINGS AND CEILING PLANS FOR CEILING AND SOFFIT COLOR INFORMATION.
2. REFER TO ACOUSTICAL CEILING PANELS (ACT) SPECIFICATION, AND CEILING PLANS FOR ACT INFORMATION.
3. WHERE EXPOSED CEILINGS ARE CALLED TO BE PAINTED, PAINT ALL EXPOSED ITEMS, INCLUDING, BUT NOT LIMITED TO, FRAMING, DECK, DUCTWORK, PIPING & CONDUIT. DO NOT PAINT H, V, E, FA, P LABELS, MOVING PARTS, OR COMPONENTS THAT ARE EXPECTED TO REMAIN UNPAINTED.
4. ALL GYPSUM BOARD / PLASTER CEILINGS AND SOFFITS TO BE PAINTED PNT-1 (IPS- ) (U.N.O.) ON CEILING AND/OR FINISH PLANS.
5. GYPSUM BOARD CEILINGS IN SHOWER AREAS AND ENTRY VESTIBULES TO BE PAINTED PNT-1 (IPS-B)
6. IN ALL MAIN CUSTODIAL AREAS AND MECHANICAL ROOMS; STEEL, DECKING AND EXPOSED STRUCTURE AND DUCTWORK WITH ASSOCIATE SUPPORTS NOT TO BE PAINTED (U.N.O.) IN FINISH PLANS

## INTERIOR PAINT SYSTEM

| | |
|---|---|
| IPS-LF | LATEX INTERIOR, HIGH PERFORMANCE ARCHITECTURAL, FLAT |
| IPS-LE | LATEX INTERIOR, HIGH PERFORMANCE ARCHITECTURAL, EGGSHELL |
| IPS-LS | LATEX INTERIOR, HIGH PERFORMANCE ARCHITECTURAL, SEMI-GLOSS |
| IPS-LF-V | LATEX INTERIOR, INSTITUTIONAL LOW ODOR/VOC, FLAT |
| IPS-LE-V | LATEX INTERIOR, INSTITUTIONAL LOW ODOR/VOC, EGGSHELL |
| IPS-LS-V | LATEX INTERIOR, INSTITUTIONAL LOW ODOR/VOC, SEMI-GLOSS |
| IPS-D | DRY FALL, WATER-BASED, FLAT |
| IPS-AF | ALKYD, WATER-BASED, FLAT |
| IPS-AE | ALKYD, WATER-BASED, EGGSHELL |
| IPS-AS | ALKYD, WATER-BASED, SEMIGLOSS |
| IPS-AG | ALKYD, WATER-BASED, GLOSS |
| IPS-ES | EPOXY-MODIFIED LATEX, INTERIOR, SEMI-GLOSS |
| IPS-MIC | MULTICOLOR INTERIOR PAINT |

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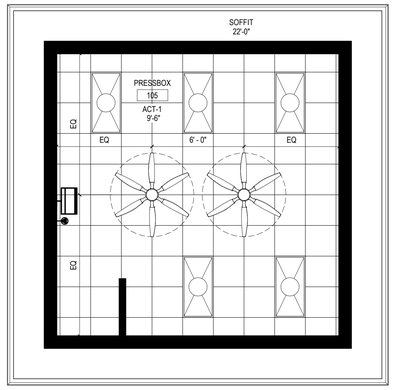
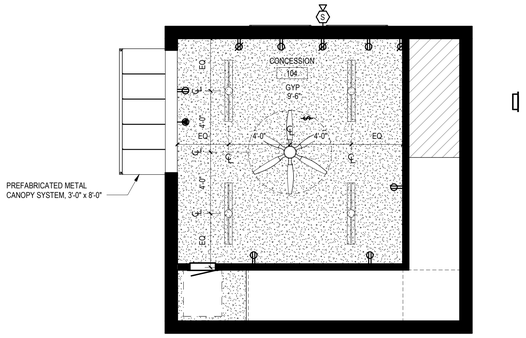


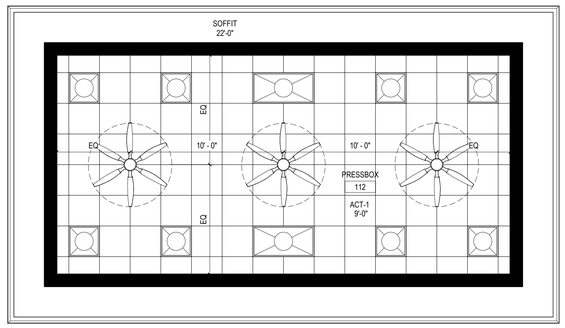

4 SECOND FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0" A-201




3 FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0" A-201

**REFLECTED CEILING PLAN LEGEND**

- FINISHED CEILING ELEVATION
- 2' X 2' SUSPENDED ACOUSTICAL CEILING TILE
- GYPSUM BOARD CEILING OR SOFFIT
- EXPOSED CEILING
- 2' X 2' LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- 2' X 4' LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- 1' X 4' SURFACE MOUNTED LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- RETURN DIFFUSER - SEE MECHANICAL DRAWINGS
- SUPPLY DIFFUSER - SEE MECHANICAL DRAWINGS
- EMERGENCY WALL LIGHT
- EMERGENCY EXIT SIGN
- SD — SMOKE DETECTOR
- SC — SECURITY CAMERA
- AV — AV SPEAKERS
- WAP — WIRELESS ACCESS POINT
- CEILING FAN, SEE MECHANICAL

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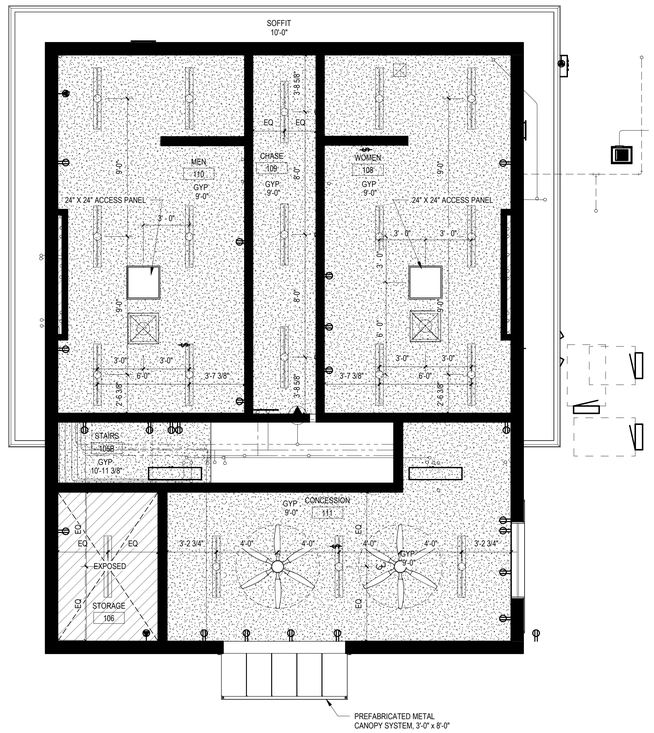


1 FIRST FLOOR REFLECTED CEILING PLAN
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CONCESSION BUILDING FIRST & SECOND FLOOR REFLECTED CEILING PLAN

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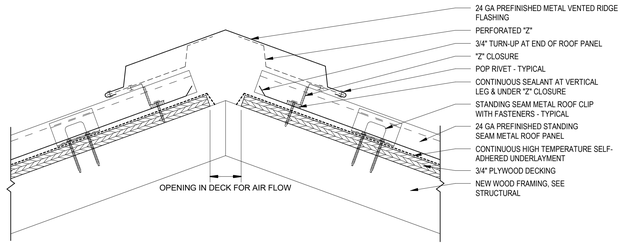
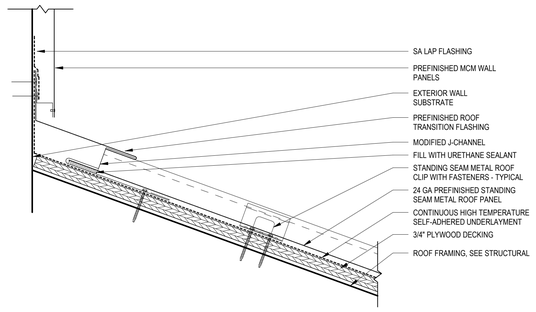
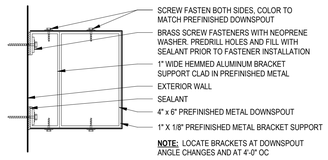



6 VENTED RIDGE DETAIL
3" = 1'-0" AR101

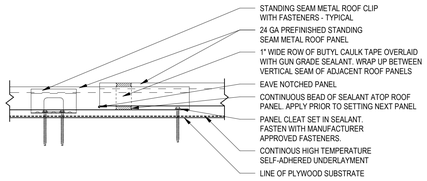



5 ROOF - WALL TRANSITION
3" = 1'-0" A-301

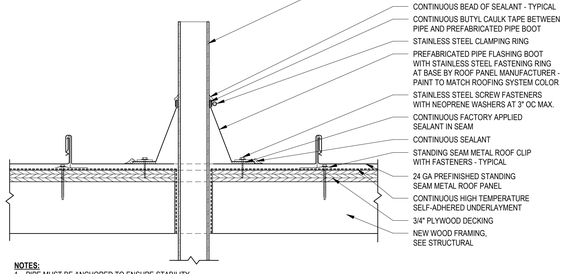



**NOTE:** LOCATE BRACKETS AT DOWNSPOUT ANGLE CHANGES AND AT 4'-0" OC

10 DOWNSPOUT BRACKET DETAIL
3" = 1'-0"

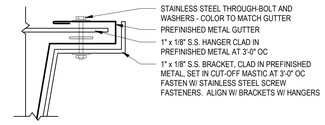



8 METAL PANEL LAP DETAIL
3" = 1'-0"

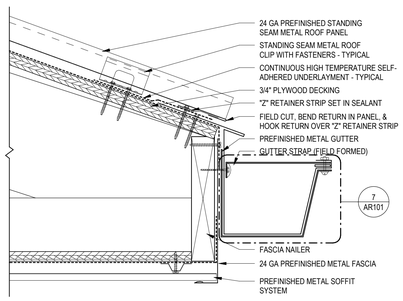


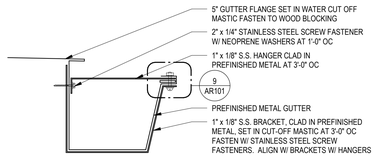

**NOTES:**
1. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
2. PLUMBING VENT OR PIPE PENETRATION IS TO BE CENTERED BETWEEN STANDING SEAMS.
3. PLUMBING VENT OR PIPE PENETRATION IS TO BE A MINIMUM OF 2'-0" FROM ANY ROOF PANEL LAPS OR ROOF CURBS.
4. PIPE TO EXTEND A MINIMUM OF 8" ABOVE ROOF SURFACE.
5. PRE-MOLDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
6. APPLY LAP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.

4 VENT PIPE PENETRATION DETAIL
3" = 1'-0" AR101



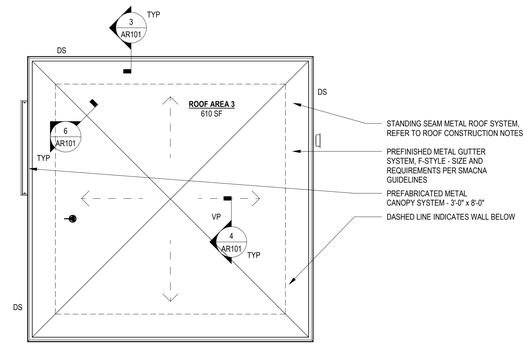

9 GUTTER HANGER CONNECTION
6" = 1'-0" AR101



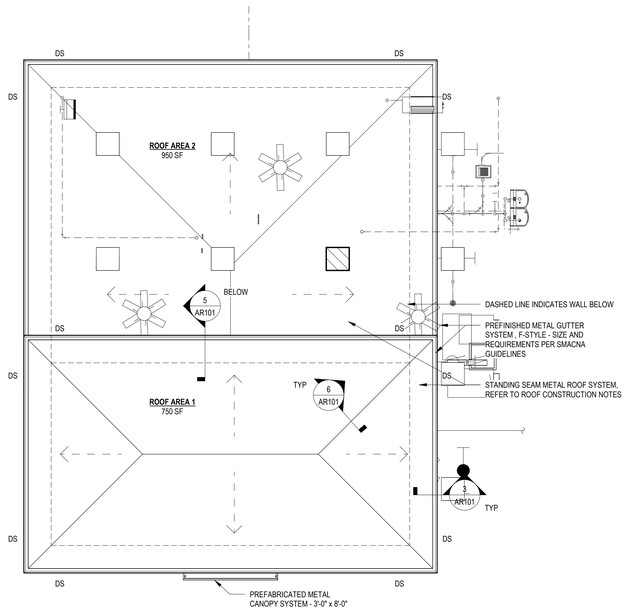




7 GUTTER DETAIL
3" = 1'-0" AR101

3 ROOF EDGE - GUTTER
3" = 1'-0" A-301




2 ROOF PLAN - CONCESSION BUILDING - VARSITY BASEBALL
3/16" = 1'-0" A-201




1 ROOF PLAN - CONCESSION BUILDING
3/16" = 1'-0" A-201

## ROOF PLAN LEGEND

| | |
|---|---|
| - — - > | AREA OF SLOPED STRUCTURE |
| VP | VENT PIPE ROOF PENETRATION |
| DS | PREFINISHED GUTTER AND DOWNSPOUT SYSTEM |

## GENERAL ROOF NOTES

1. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE SURFACE.
2. ALL COUNTERFLASHING, COPING, AND MISC. METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THEIR END CONDITIONS.
3. ALL EXPOSED FASTENERS TO BE CORROSION RESISTIVE, HAVE NEOPRENE WASHERS, AND BE COVERED W/ SEALANT FOLLOWING ARCHITECT'S APPROVAL.
4. APPLY MEMBRANE MANUFACTURER'S SEALANT OVER FASTENER HEADS AT BASE FLASHING SECUREMENT.
5. PROVIDE COUNTERFLASHING FOR ALL VERTICAL FLANGES ON ENDWALL FLASHING PIECES.
6. WHEN CONDITIONS REQUIRE END WALL FLASHING TO BE INSTALLED, COORDINATE INSTALLATION SO THAT END WALL FLASHING AND COUNTERFLASHING COVERING IT ARE NOT DOUBLE FASTENED - ONLY ONE FASTENER IS REQUIRED TO SECURE BOTH PIECES.
7. ALL WOOD BLOCKING TO BE MITERED AND SCREWED, UNLESS NOTED OTHERWISE
8. REFER TO "ROOF PLAN LEGEND" ON SHEET AR101.

## ROOF PLAN FLASHING NOTES

1. ALL FLASHING FLANGES ARE TO BE SET IN SEALANT.
2. ISOMETRIC DRAWINGS ARE DIAGRAMMATIC.
3. FOLLOWING INSTALLATION OF THE FLASHING, APPLY SEALANT TO ALL EXPOSED LEADING EDGES.
4. ALL SCREW ANCHOR LOCATIONS TO HAVE PRE-DRILLED 5/16" PILOT HOLES.
5. NON-EXPOSED SCREW ANCHORS INTO WOOD TO BE NO. 14 X 1-1/2 LONG 18-8 AUSTENITIC STAINLESS STEEL TYPE 304 (***PAINT***) SCREW.
6. EXPOSED SCREW ANCHORS INTO WOOD TO BE NO. 14 X 1-1/2 LONG 18-8 AUSTENITIC STAINLESS STEEL TYPE 304 PAINT SCREW.
7. NON-EXPOSED SCREW ANCHORS INTO MASONRY ARE TO BE 1-1/4" X 3/16" STAINLESS STEEL SELF TAPPING SCREW FASTENERS.
8. EXPOSED SCREW ANCHORS INTO MASONRY ARE TO BE 1-1/4" X 3/16" STAINLESS STEEL SELF TAPPING SCREW FASTENERS WITH CLIMASEAL CORROSION RESISTIVE COATING AND NEOPRENE WASHERS.
9. EXPOSED SCREW FASTENERS INTO SHEET METAL TO BE 3/4" X 1/4" TEKS 1 WITH NEOPRENE WASHERS.
10. FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
11. ALL EXPOSED SCREW FASTENERS ARE TO BE COVERED WITH SEALANT UNLESS NOTED OTHERWISE.

## ROOF CONSTRUCTION NOTES

**ROOF AREA: 1 - 4 (3,915 SF)**
SLOPED WOOD ROOF DECK (4:12) - STANDING SEAM METAL ROOF

1. INSTALL DECK SHEATHING.
2. INSTALL HIGH TEMPERATURE SA UNDERLAYMENT
3. INSTALL PREFINISHED METAL GUTTER DRIP EDGE.
4. INSTALL SELF-ADHERED EAVE PROTECTION AS INDICATED IN THE SPECIFICATIONS.
5. INSTALL PREFINISHED METAL GUTTERS WITH ASSOCIATED BRACKETS, AND DOWNSPOUTS.
6. INSTALL STANDING SEAM METAL ROOF, AND RIDGE VENTS.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ROOF PLANS

# AR101

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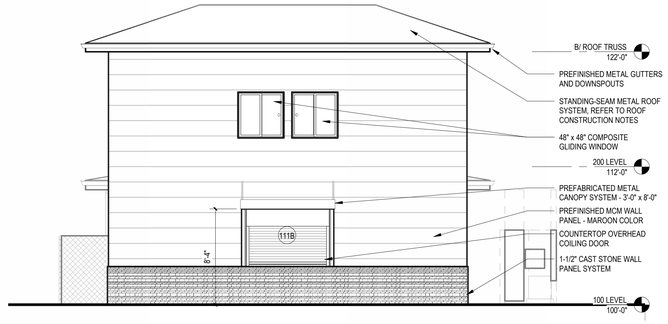
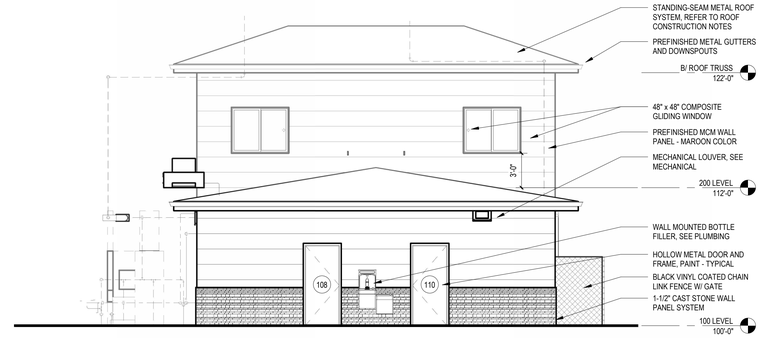
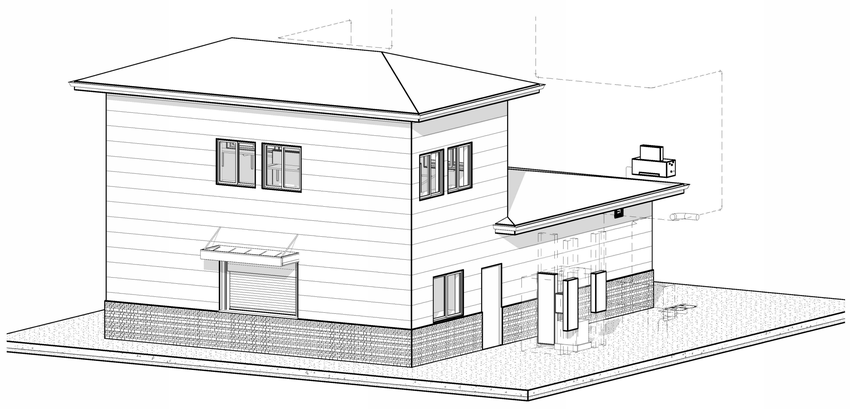


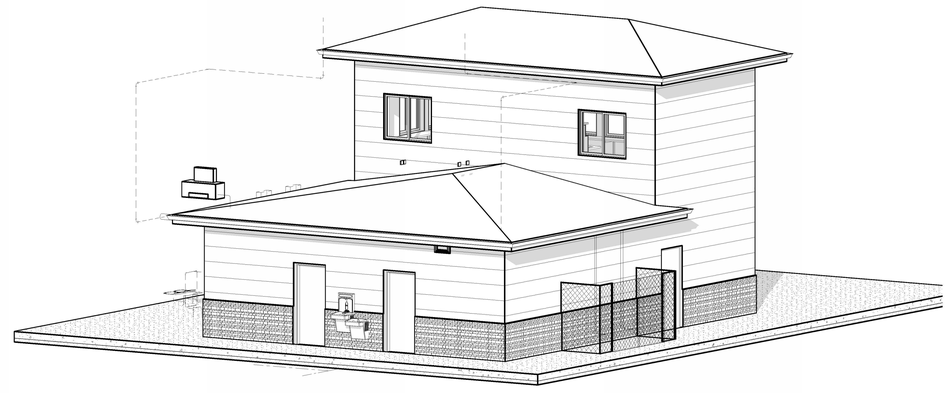

4 BUILDING ELEVATION
3/16" = 1'-0" A-101




2 BUILDING ELEVATION
3/16" = 1'-0" A-101



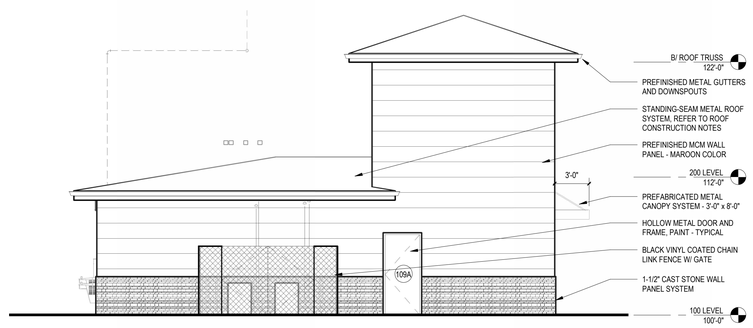
5 BUILDING ELEVATION - AXON



6 BUILDING ELEVATION - AXON




3 BUILDING ELEVATION
3/16" = 1'-0" A-101




1 BUILDING ELEVATION
3/16" = 1'-0" A-101

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EXTERIOR BUILDING ELEVATIONS

# A-201

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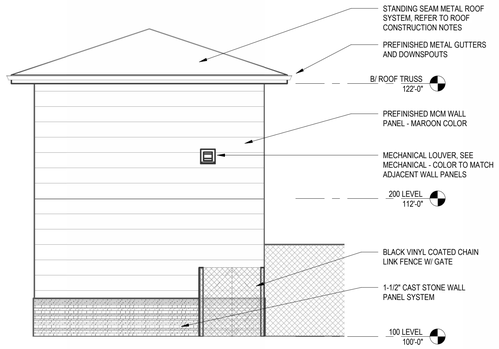
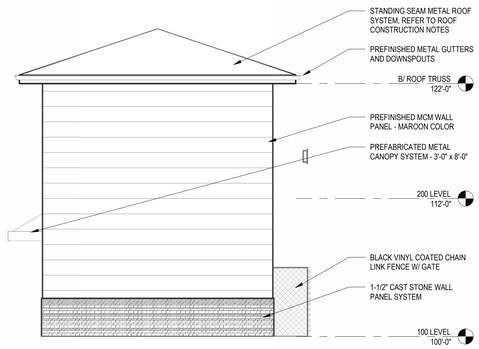
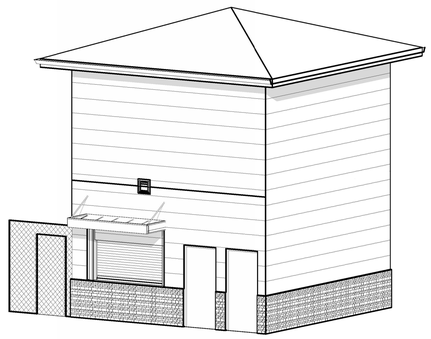


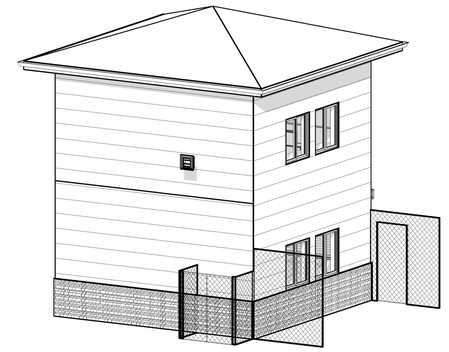

4 BUILDING ELEVATION
3/16" = 1'-0" A-101



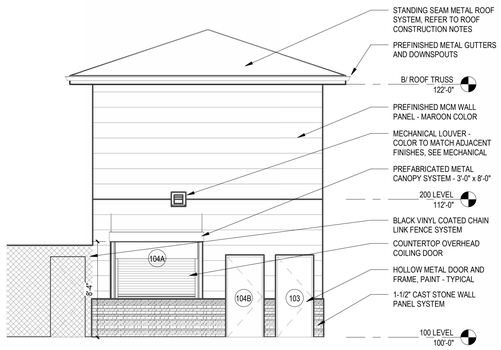

3 BUILDING ELEVATION
3/16" = 1'-0" A-101



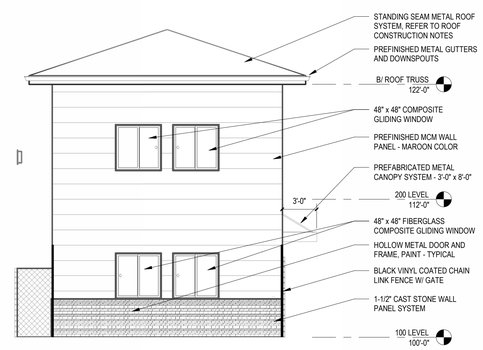
6 BUILDING ELEVATION - AXON



5 BUILDING ELEVATION - AXON




2 BUILDING ELEVATION
3/16" = 1'-0" A-101




1 BUILDING ELEVATION
3/16" = 1'-0" A-101

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| REVIEWED BY | Checker |

EXTERIOR BUILDING ELEVATIONS

# A-202

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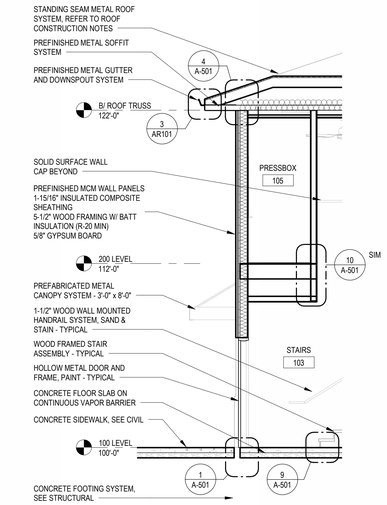
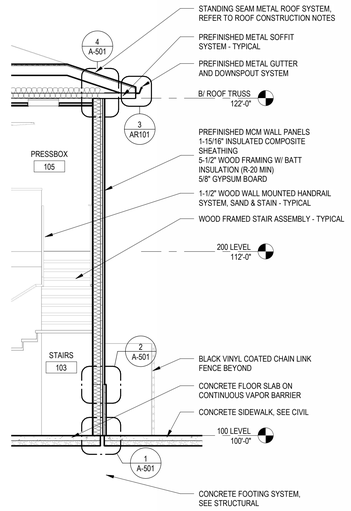
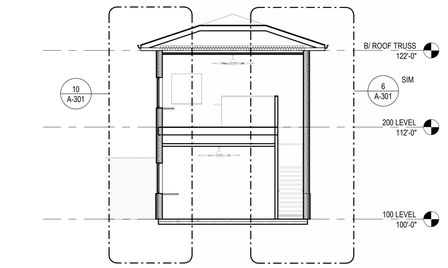


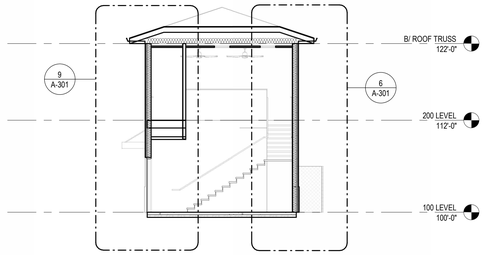

9 WALL SECTION
1/4" = 1'-0" A-301



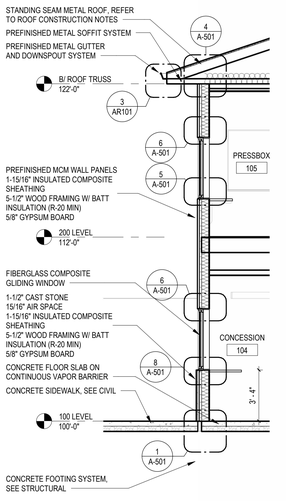

6 WALL SECTION
1/4" = 1'-0" A-301



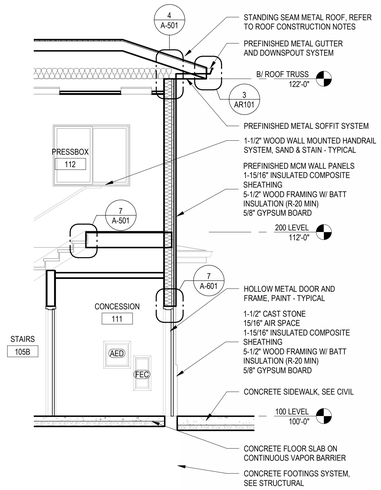

4 BUILDING SECTION
1/8" = 1'-0" A-101



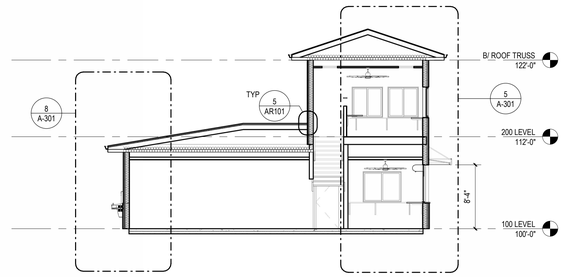

3 BUILDING SECTION
1/8" = 1'-0" A-101



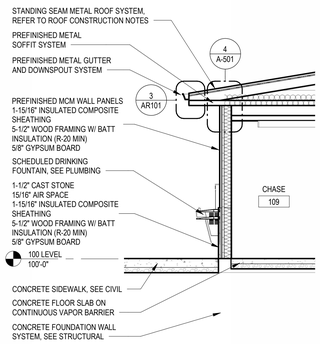

10 WALL SECTION
1/4" = 1'-0" A-301



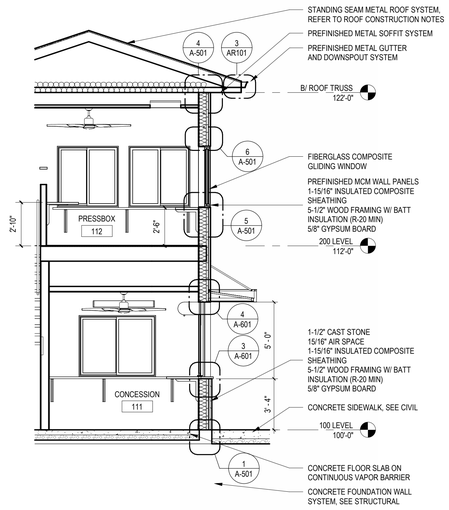

7 WALL SECTION
1/4" = 1'-0" A-301



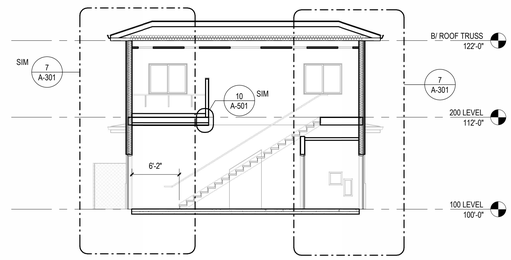

2 BUILDING SECTION
1/8" = 1'-0" A-101




8 WALL SECTION
1/4" = 1'-0" A-301




5 WALL SECTION
1/4" = 1'-0" A-301




1 BUILDING SECTION
1/8" = 1'-0" A-101

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BUILDING & WALL SECTIONS

# A-301

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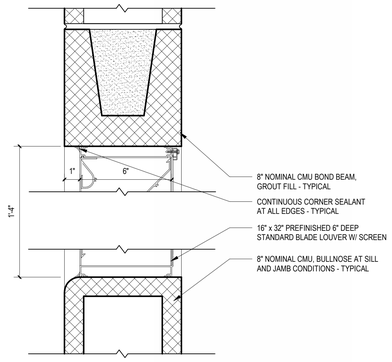
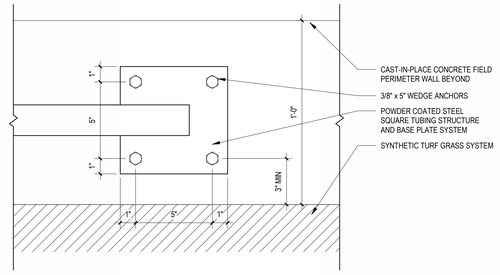
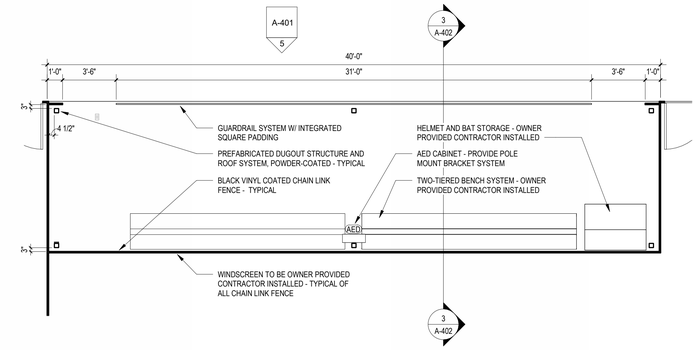


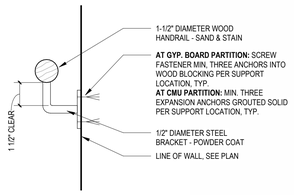

9 SECTION DETAIL
3" = 1'-0" A-401



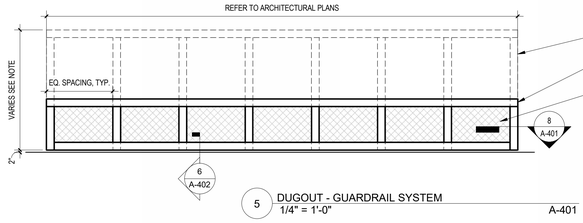

8 GUARDRAIL SYSTEM POST PLAN DETAIL
3" = 1'-0" A-401




3 ENLARGED DUGOUT PLAN
1/4" = 1'-0" AS001

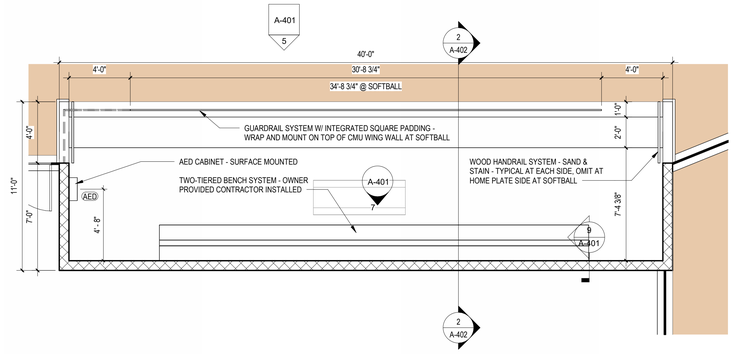



10 WALL MOUNTED HANDRAIL DETAIL
3" = 1'-0"

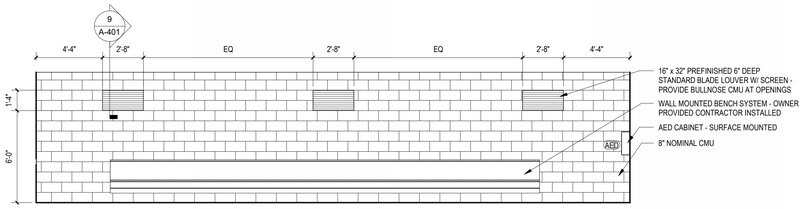



5 DUGOUT - GUARDRAIL SYSTEM
1/4" = 1'-0" A-401

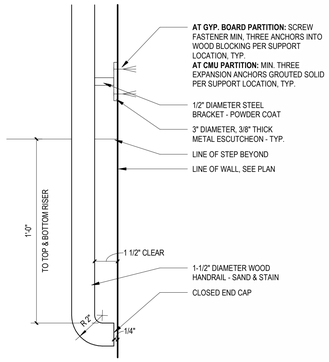
**NOTE:**
1. VARSITY BASEBALL GUARDRAIL HEIGHT TO BE 40"
2. JUNIOR-VARSITY BASEBALL GUARDRAIL HEIGHT TO BE 48"
3. VARSITY SOFTBALL & JUNIOR-VARSITY GUARDRAIL HEIGHT TO BE 96" - WRAP AND MOUNT ON TOP OF CMU WING WALL AT SOFTBALL, SEE PLANS



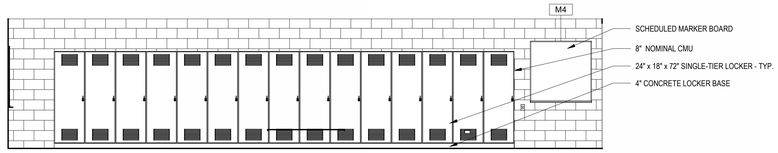

2 ENLARGED DUGOUT PLAN
1/4" = 1'-0" AS001



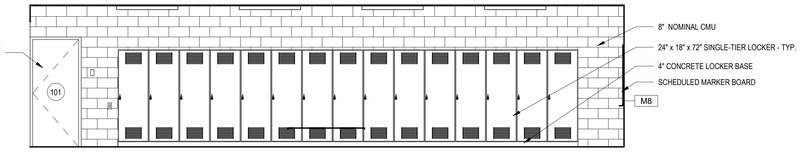

7 DUGOUT ELEVATION
1/4" = 1'-0" A-401



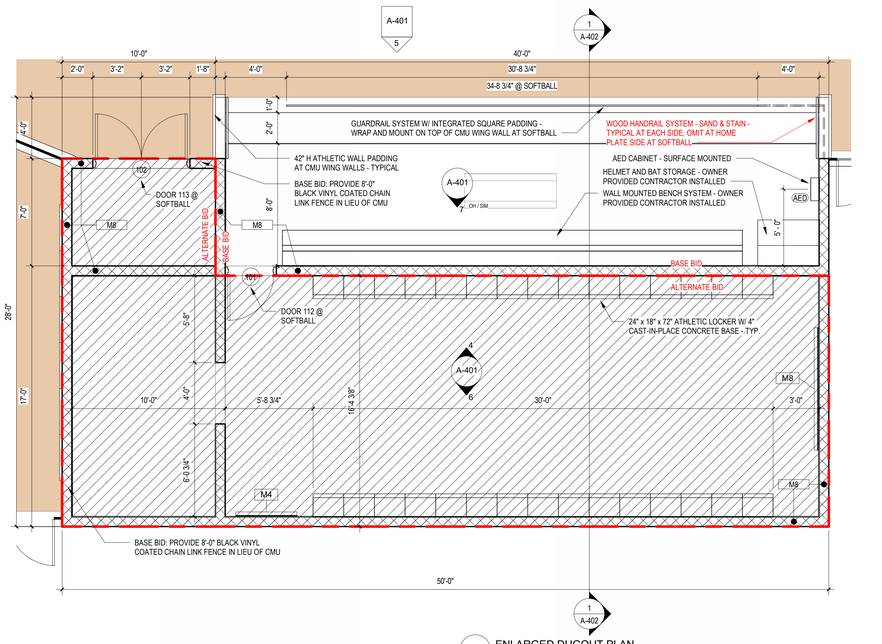

11 WALL MOUNTED HANDRAIL DETAIL
3" = 1'-0"




6 DUGOUT ELEVATION
1/4" = 1'-0" A-401




4 DUGOUT ELEVATION
1/4" = 1'-0" A-401




1 ENLARGED DUGOUT PLAN
1/4" = 1'-0" AS001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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
|---|---|---|
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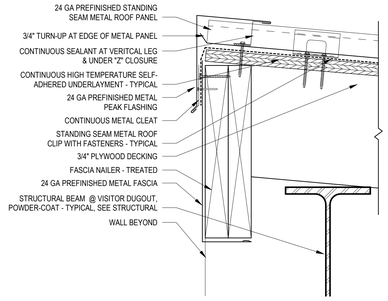
| | |
|---|---|
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

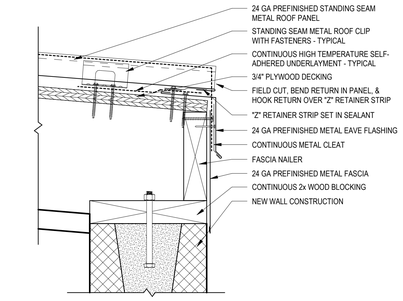
ENLARGED DUGOUT PLANS, SECTIONS & DETAILS

# A-401

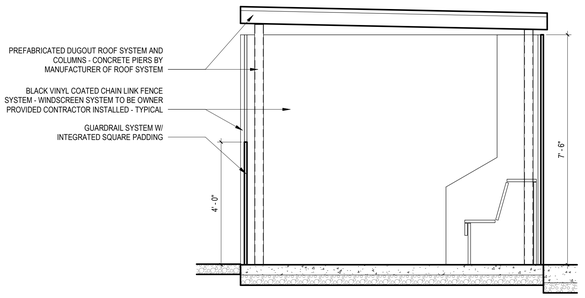
ISSUED FOR REBID



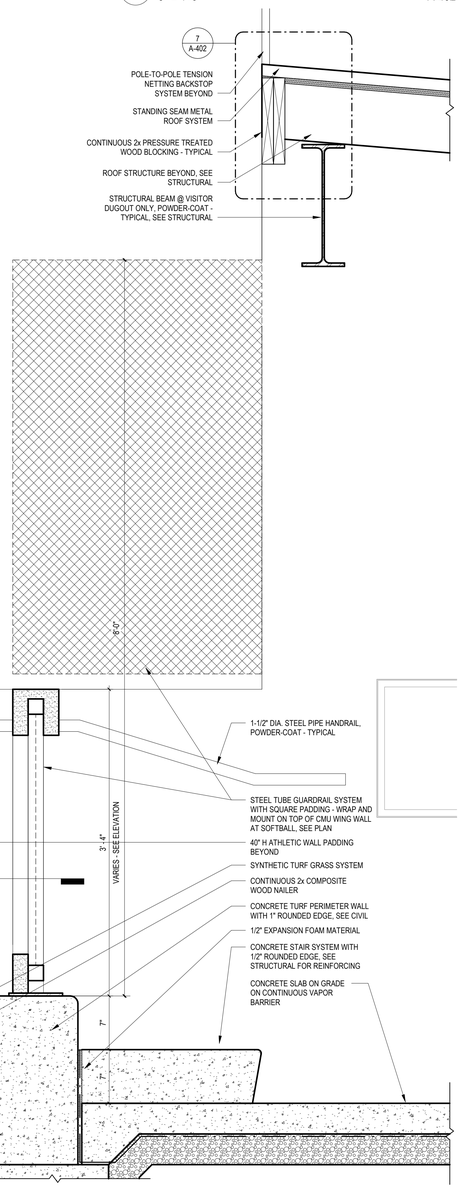

7 SECTION DETAIL - ROOF EDGE
3" = 1'-0" A-402



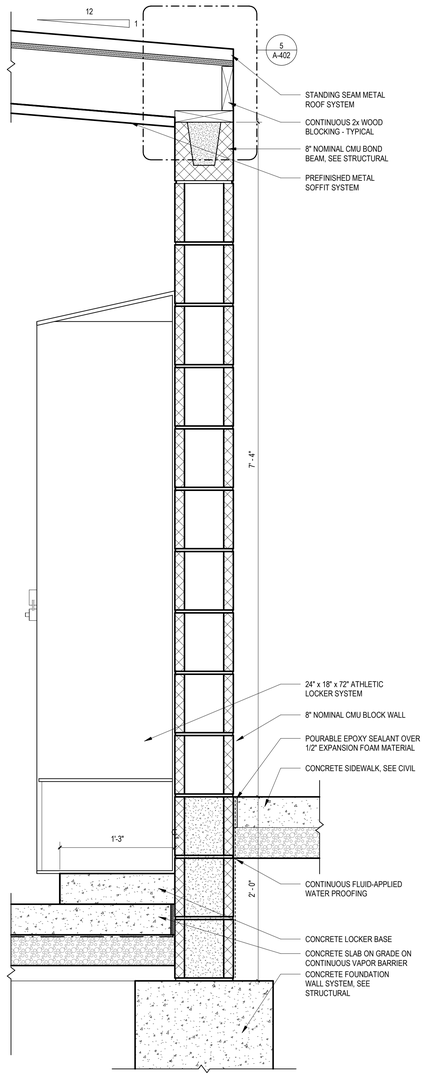

5 SECTION DETAIL - ROOF EDGE
3" = 1'-0" A-402



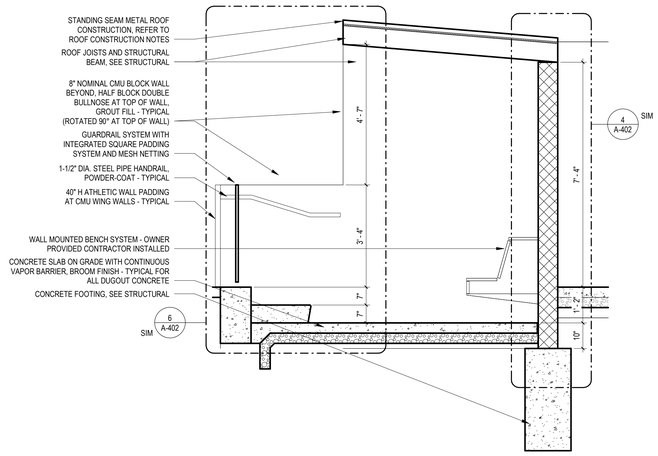

3 DUGOUT SECTION - CHAIN LINK FENCE
1/2" = 1'-0" A-401



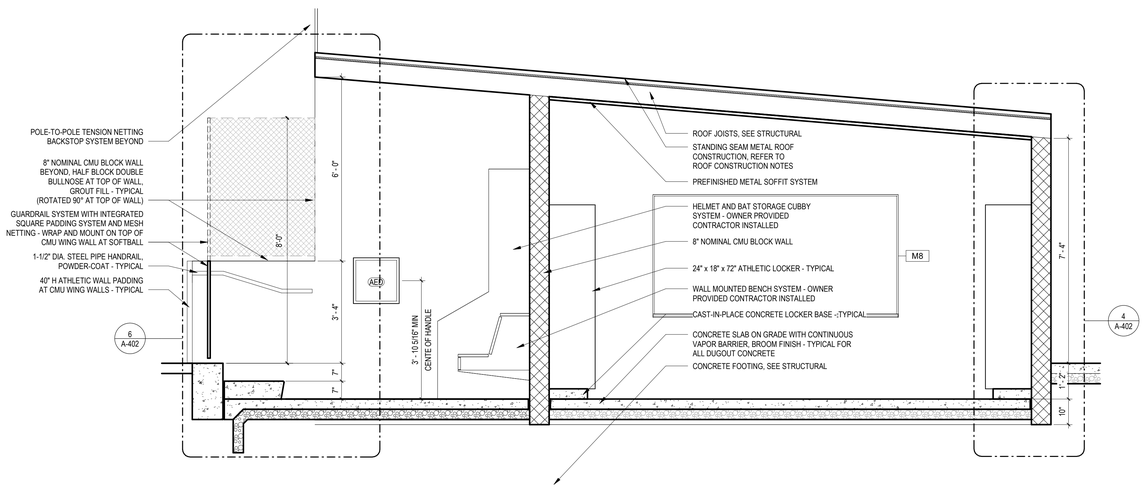

6 SECTION DETAIL
1 1/2" = 1'-0" A-401




4 SECTION DETAIL
1 1/2" = 1'-0" A-402




2 DUGOUT SECTION-CMU-AWAY
1/2" = 1'-0" A-401




1 DUGOUT SECTION-CMU-HOME
1/2" = 1'-0" A-401

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# Moline - Coal Valley School District

# BASEBALL & SOFTBALL COMPLEX RENOVATION

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| REVIEWED BY | ZC |

ENLARGED DUGOUT PLANS, SECTIONS & DETAILS

# A-402

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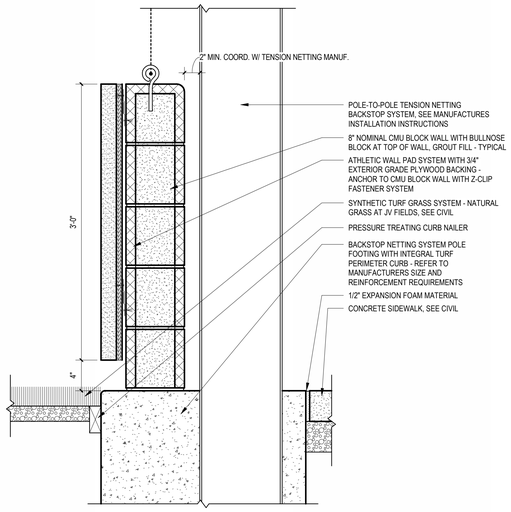
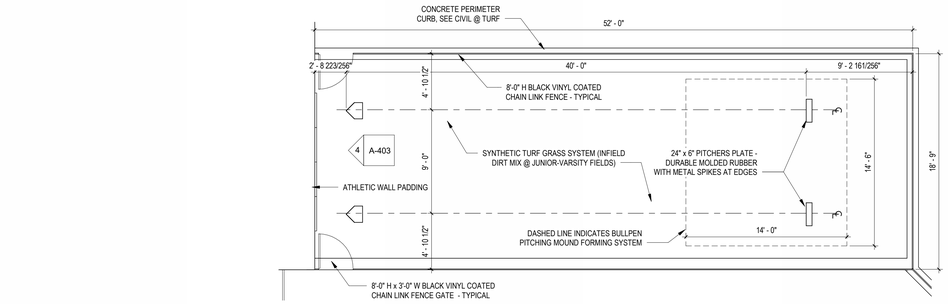
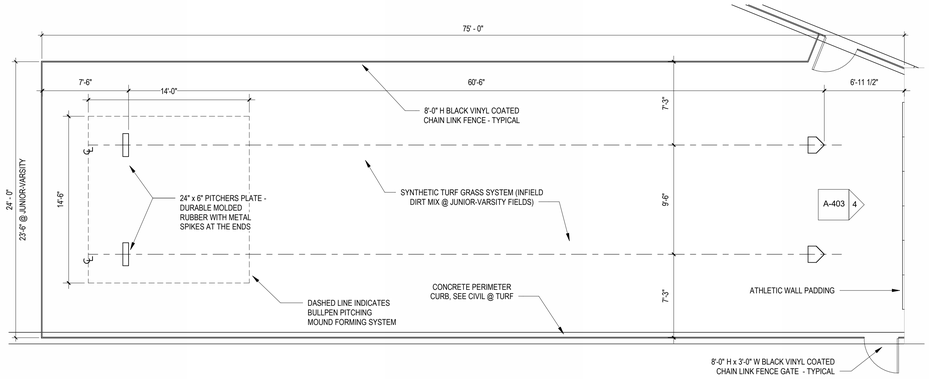


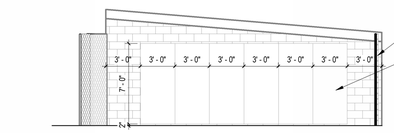

7 ALT. BID: TYPICAL SECTION DETAIL - BACKSTOP - CMU
1 1/2" = 1'-0" AS001




5 SOFTBALL BULLPEN ENLARGED PLAN
3/16" = 1'-0" AS001

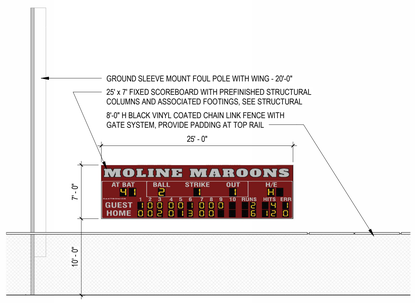



3 BASEBALL BULLPEN
3/16" = 1'-0" AS001



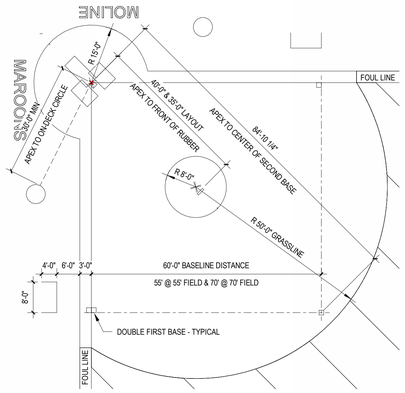

**NOTE:**
- PROVIDE FOUR (4) ATHLETIC WALL PADS AT THE SOFTBALL DUGOUTS
- ASSUME TWO (2) ATHLETIC WALL PADS AT THE VISITOR DUGOUT

4 DUGOUT ELEVATION
3/16" = 1'-0" A-403



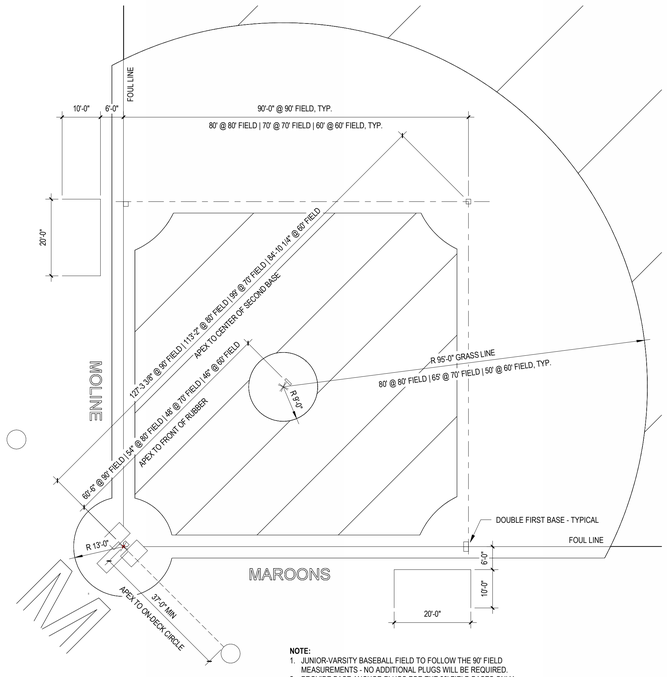

**NOTE:** SEE ARCHITECTURAL SITE PLAN NOTE NS017 FOR JUNIOR-VARSITY FIELD SIZES.

6 EXTERIOR ELEVATION - SCOREBOARD
1/8" = 1'-0" AS001




**NOTE:**
1. JUNIOR-VARSITY BASEBALL FIELD TO FOLLOW THE 60' FIELD MEASUREMENTS - NO ADDITIONAL PLUGS WILL BE REQUIRED.
2. PROVIDE BASE ANCHOR PLUGS FOR THE 60' FIELD BASES ONLY AND SPIKED BASES FOR THE REMAINING FIELD SIZES.
3. PROVIDE FIELD MARKINGS FOR THE 55' AND 70' FIELD SIZES.

2 VARSITY SOFTBALL ENLARGED INFIELD PLAN
1/16" = 1'-0" AS001




**NOTE:**
1. JUNIOR-VARSITY BASEBALL FIELD TO FOLLOW THE 90' FIELD MEASUREMENTS - NO ADDITIONAL PLUGS WILL BE REQUIRED.
2. PROVIDE BASE ANCHOR PLUGS FOR THE 90' FIELD BASES ONLY AND SPIKED BASES FOR THE REMAINING FIELD SIZES.
3. PROVIDE FIELD MARKINGS FOR THE 60', 70', AND 80' FIELD SIZES.

1 VARSITY BASEBALL ENLARGED INFIELD PLAN
1/16" = 1'-0" AS001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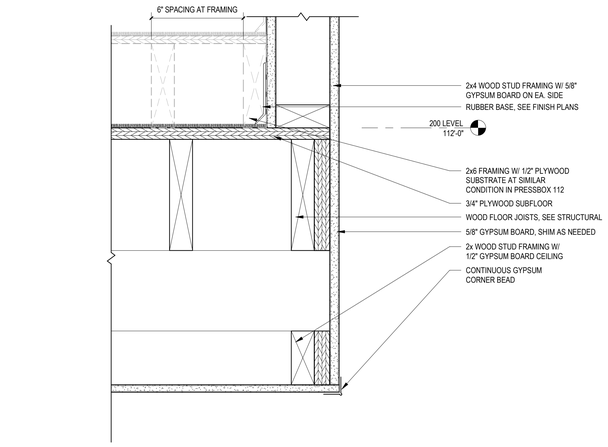
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | Author |
| REVIEWED BY | Checker |

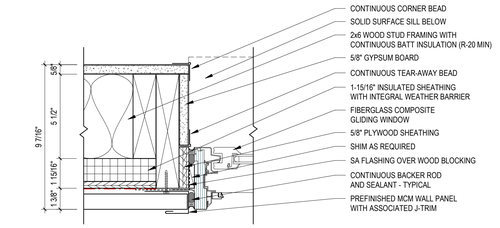
ENLARGED FIELD PLANS & DETAILS

# A-403

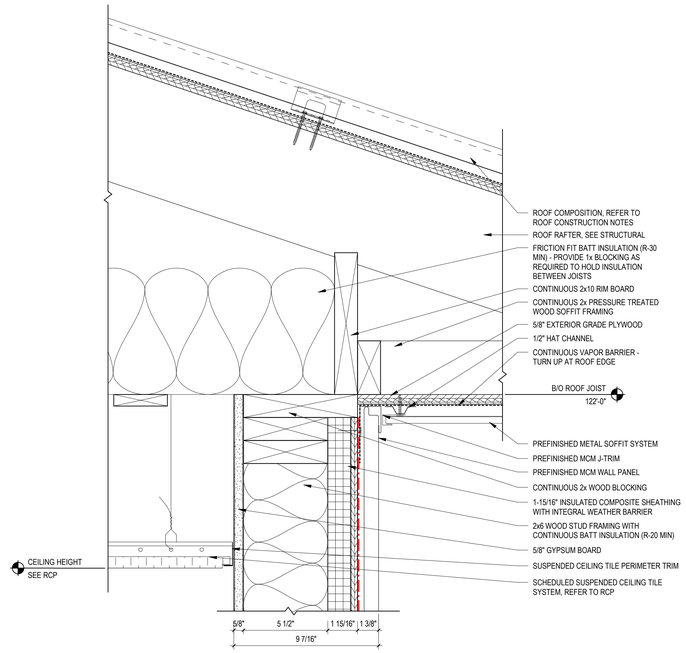
ISSUED FOR REBID



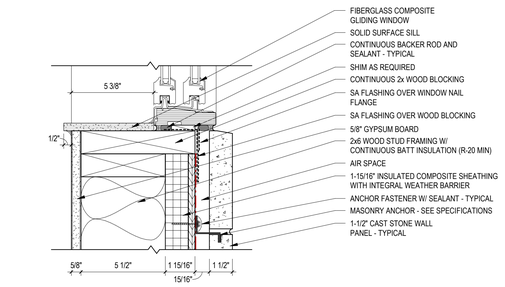

10 Detail 1
3" = 1'-0" A-301



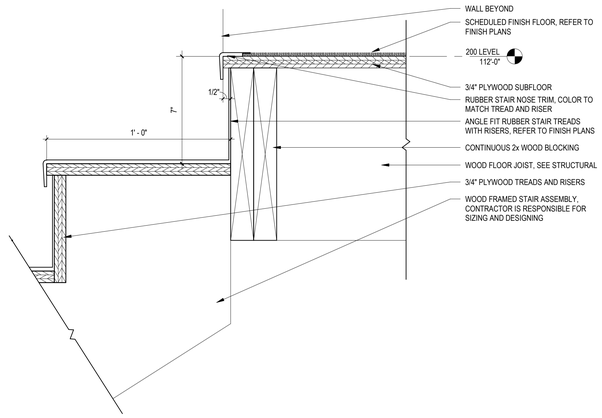

3 PLAN DETAIL
3" = 1'-0" A-101



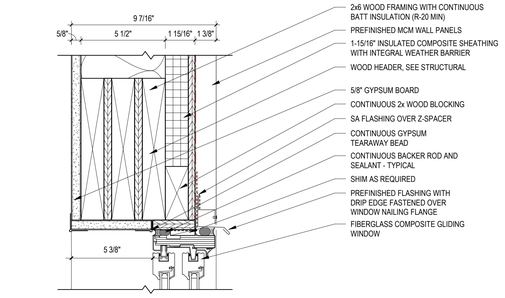

4 SECTION DETAIL
3" = 1'-0" A-301



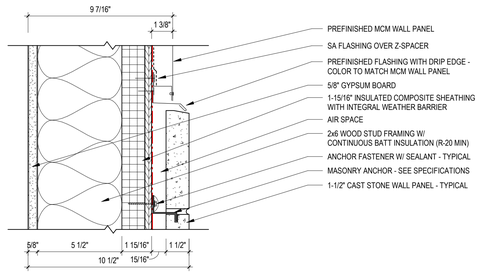

8 SECTION DETAIL
3" = 1'-0" A-301



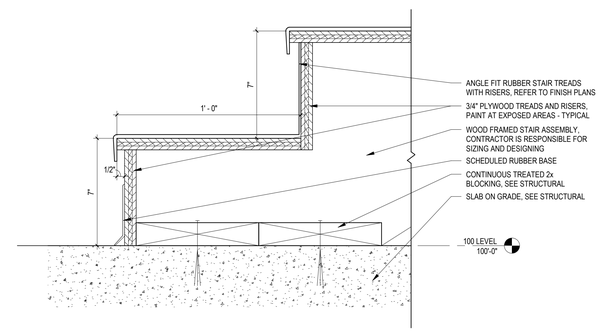

7 SECTION DETAIL
3" = 1'-0" A-301



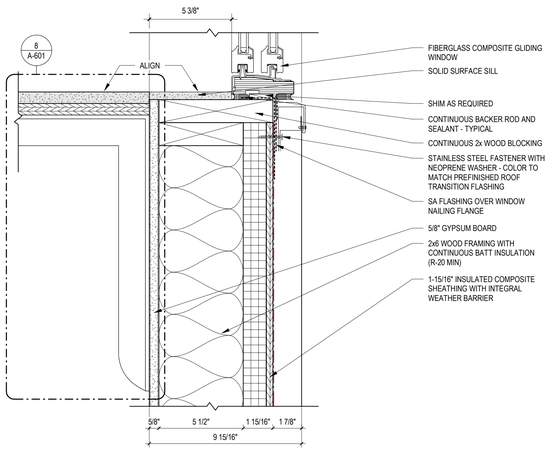

6 SECTION DETAIL
3" = 1'-0" A-301



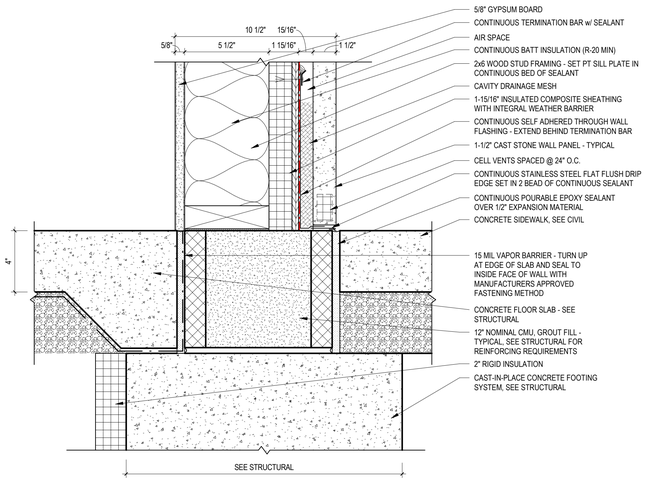

2 SECTION DETAIL
3" = 1'-0" A-301




9 Detail 2
3" = 1'-0" A-301




5 SECTION DETAIL
3" = 1'-0" A-301




1 SECTION DETAIL
3" = 1'-0" A-301

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| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

EXTERIOR & INTERIOR DETAILS

# A-501

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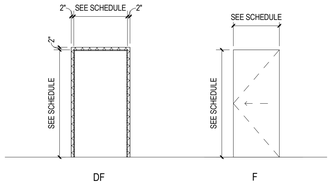



DOOR & FRAME TYPES
1/4" = 1'-0"

## DOOR AND FRAME SCHEDULE

| | | | DOOR | | | | | | FRAME | | | | FRAME DETAILS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DOOR # | FROM ROOM | TO ROOM | TYPE | MATERIAL | OPENING WIDTH | DOOR WIDTH | HEIGHT | THICKNESS | TYPE | MATERIAL | DEPTH | HDWR | HEAD | JAMB | JAMB | SILL | REFERENCED NOTES |
| 101 | | | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 5 3/4" | 10 | 2/A-601 | 1/A-601 | 1/A-601 | - | ALTERNATE BID |
| 102 | | | F | HM | 6'-4" | 3'-0" / 3'-0" | 7'-0" | 1 3/4" | DF | HM | 5 3/4" | 15 | 2/A-601 | 1/A-601 | 1/A-601 | - | ALTERNATE BID |
| 103 | STAIRS | | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | 20 | 7/A-601 | 5/A-601 / 6/A-601 | 5/A-601 / 6/A-601 | - | |
| 104A | CONCESSION | | OHCD | AA | 8'-0" | | 5'-0" | | JM | AA | 0" | 30 | 4/A-601 | 12/A-601 | 12/A-601 | 3/A-601 | |
| 104B | CONCESSION | | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | | 7/A-601 | 5/A-601 / 6/A-601 | 5/A-601 / 6/A-601 | - | |
| 106 | CONCESSION | STORAGE | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | | 13/A-601 | 14/A-601 | 14/A-601 | - | |
| 108 | | WOMEN | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | 50 | 7/A-601 | 5/A-601 / 6/A-601 | 5/A-601 / 6/A-601 | - | |
| 109A | STAIRS | | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | | 7/A-601 | 5/A-601 / 6/A-601 | 5/A-601 / 6/A-601 | - | |
| 109B | STAIRS | CONCESSION | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | | 13/A-601 | 14/A-601 | 14/A-601 | - | |
| 110 | | MEN | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | 50 | 7/A-601 | 5/A-601 / 6/A-601 | 5/A-601 / 6/A-601 | - | |
| 111A | | CONCESSION | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 7 3/4" | 60 | 7/A-601 | 5/A-601 / 6/A-601 | 5/A-601 / 6/A-601 | - | |
| 111B | CONCESSION | | OHCD | AA | 8'-0" | | 5'-0" | | JM | AA | 0" | 30 | 4/A-601 | 12/A-601 | 12/A-601 | 3/A-601 | |
| 112 | | | F | HM | 6'-4" | 3'-0" / 3'-0" | 7'-0" | 1 3/4" | DF | HM | 5 3/4" | 15 | 2/A-601 | 1/A-601 | 1/A-601 | - | ALTERNATE BID |
| 113 | | | F | HM | 3'-4" | 3'-0" | 7'-0" | 1 3/4" | DF | HM | 5 3/4" | 10 | 2/A-601 | 1/A-601 | 1/A-601 | - | ALTERNATE BID |

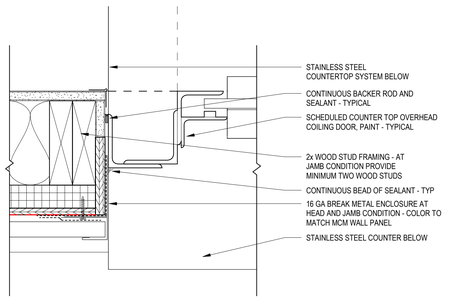
## GENERAL NOTES

**GENERAL:**

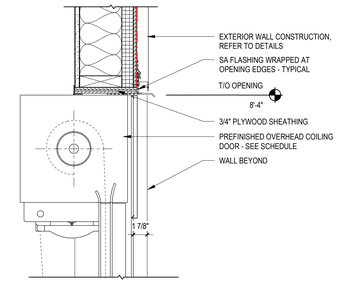
1. ALL DOOR AND FRAME TYPES ARE SHOWN AS EXTERIOR VIEW.
2. FRAME WIDTHS ARE INDICATED ON THE FLOOR PLANS. FRAME HEIGHTS ARE INDICATED ON THE FRAME TYPES. DOOR DIMENSIONS ARE INDICATED ON THE DOOR AND FRAME SCHEDULE.
3. DIMENSIONS ARE INDICATED FOR BIDDING PURPOSES ONLY AND SHALL BE FIELD VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION.
4. THE MANUFACTURER(S) SHALL BE RESPONSIBLE FOR THE ENGINEERING AND STRUCTURAL INTEGRITY OF THEIR FRAME SYSTEMS.
5. ALL FRAMES IN MASONRY OPENINGS REQUIRE A LINTEL. REFER TO DOOR AND FRAME SCHEDULE AND/OR STRUCTURAL DRAWINGS.
6. ALL OPENINGS IN FRAMES REQUIRE GLAZING PANELS OR INFILL PANELS EXCEPT FOR DOOR OPENINGS. GLAZING TYPES FOR EXTERIOR FRAMES ARE INDICATED ON THE FRAME TYPES. GLAZING TYPES FOR INTERIOR FRAMES ARE INDICATED ON THE DOOR AND FRAME SCHEDULE OR HEREIN.
7. ALL OPENINGS IN DOORS REQUIRE GLAZING PANELS UNLESS NOTED OTHERWISE. GLAZING TYPES FOR DOORS ARE INDICATED ON THE DOOR AND FRAME SCHEDULE OR HEREIN.
8. HARDWARE SETS AND GLAZING TYPES ARE SPECIFIED IN THE PROJECT MANUAL.
9. FRAMES SHALL BE DESIGNED, CUT, AND FABRICATED TO MINIMIZE JOINTS:
   A. JOINTS IN HOLLOW METAL FRAMES SHALL RECEIVE METAL FILLER, BE GROUND SMOOTH AND SHOP/FIELD PRIMED PRIOR TO FINISH PAINT.
   B. JOINTS IN EXTERIOR ALUMINUM FRAMES SHALL BE AIR AND WATER TIGHT IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE PROJECT MANUAL. LAP AND SEAL ALL JOINTS. ALLOW FOR EXPANSION IN THE TRIM AND AT JOINTS AND INTERSECTIONS OF ADJACENT FRAMES.

**HOLLOW METAL DOORS AND FRAMES:**

13. ALL HOLLOW METAL FRAMES SHALL HAVE THE FOLLOWING CHARACTERISTICS UNO:
    A. FACE WIDTH: 2"
    B. FRAME DEPTH: 5-3/4" UNO
    C. THROAT: 4-7/8"
    D. RETURN: 7/16"
14. ANCHORAGE AT HOLLOW METAL FRAMES:
    A. PROVIDE FASTENERS AT 18" ON CENTER AND MINIMALLY THREE (3) ANCHORS PER JAMB.
    B. AT FRAMES INSTALLED PRIOR TO MASONRY INSTALLATION PROVIDE GALVANIZED STEEL "T" ANCHORS.
    C. AT FRAMES INSTALLED AFTER MASONRY INSTALLATION OR AT EXISTING MASONRY OPENINGS PROVIDE GALVANIZED STEEL SPACER BRACKETS, ANCHOR SLEEVES WELDED TO THE INTERIOR OF THE FRAME, AND COUNTERSUNK 3/8" FLATHEAD EXPANSION ANCHORS. COVER HEAD OF FASTENERS WITH METAL FILLER, GRIND SMOOTH, PRIME AND FINISH PAINT.
    D. AT FRAMES INSTALLED IN STUD PARTITIONS PROVIDE GALVANIZED STEEL Z-TYPE SPACE BRACKETS.
15. JAMBS OF FRAMES INSTALLED IN EXTERIOR WALLS AND WHERE INDICATED SHALL BE GROUTED SOLID. COVER GROUT HOLES WITH METAL FILLER, GRIND SMOOTH, PRIME AND FINISH PAINT.



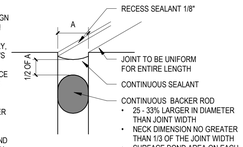

12 PLAN DETAIL
3" = 1'-0" A-101



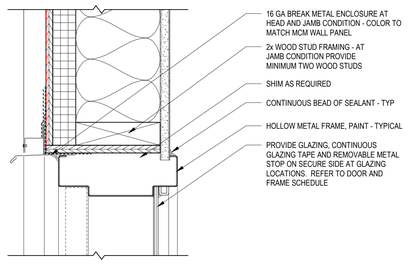

4 SECTION DETAIL
1 1/2" = 1'-0" A-301

INSTALLATION INSTRUCTIONS

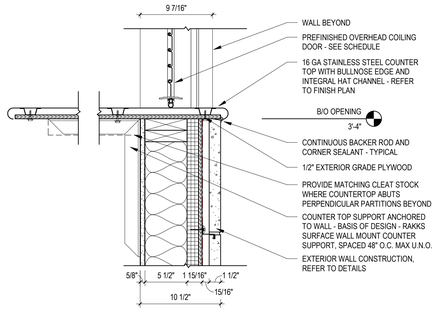
1. REMOVE LOOSE MATERIALS AND FOREIGN MATTER THAT COULD IMPAIR ADHESION OF SEALANT
2. CLEAN JOINT, AND PRIME AS NECESSARY, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
3. PERFORM PREPARATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ASTM C1193
4. INSTALL BACKER ROD, USE BOND BREAKER BACKING TAPE WHERE BACKER ROD CANNOT BE USED
5. MASK ELEMENTS AND SURFACES ADJACENT TO JOINTS FROM DAMAGE AND DISFIGUREMENT DUE TO SEALANT WORK; BE AWARE THAT SEALANT DRIPS AND SMEARS MAY NOT BE COMPLETELY REMOVABLE
6. PERFORM INSTALLATION PER MANUFACTURERS'S INSTRUCTIONS AND ASTM C1193
7. TOOL SURFACE CONCAVE, UNLESS OTHERWISE INDICATED; REMOVE MASKING MATERIAL IMMEDIATELY AFTER TOOLING SEALANT SURFACE



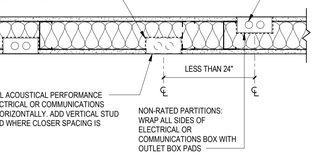

11 BACKER ROD & SEALANT DETAIL
12" = 1'-0"



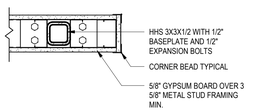

7 TYP. HOLLOW METAL - HEAD DETAIL - STUD WALL
3" = 1'-0" A-301



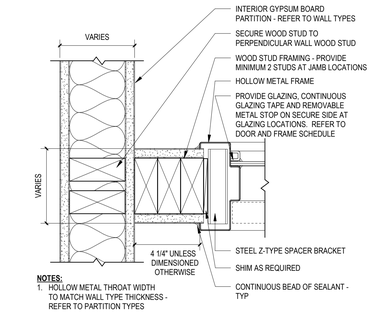

3 SECTION DETAIL
1 1/2" = 1'-0" A-301



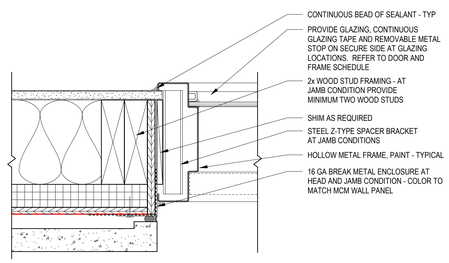

10 PLAN AT ALL ELECTRICAL OR COMMUNICATIONS BOXES
1 1/2" = 1'-0"



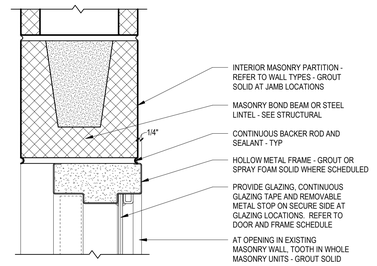

9 PARTIAL HEIGHT PARTITION PLAN DETAIL
1 1/2" = 1'-0"



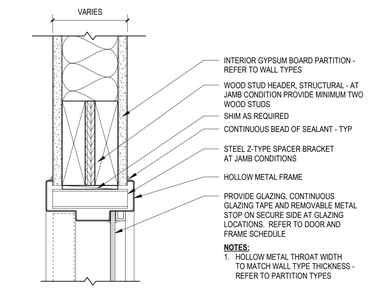

14 TYP. HOLLOW METAL - JAMB DETAIL - STUD WALL
3" = 1'-0"



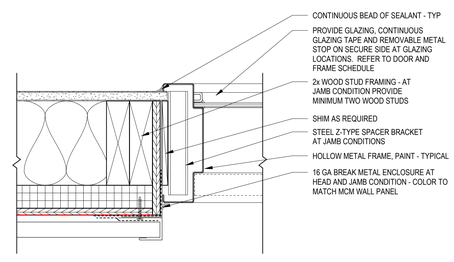

6 TYP. HOLLOW METAL - JAMB DETAIL - STUD WALL
3" = 1'-0"



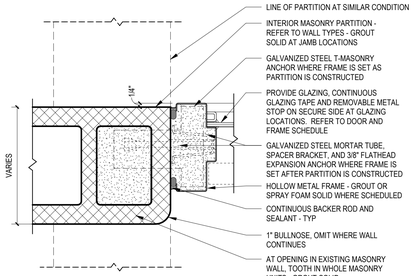

2 TYP. HOLLOW METAL - HEAD DETAIL - MASONRY
3" = 1'-0"



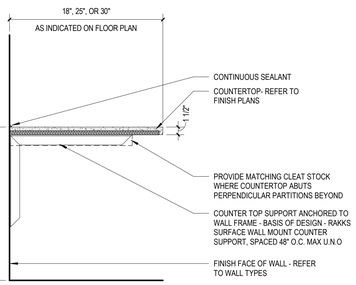

13 TYP. HOLLOW METAL - HEAD DETAIL - STUD WALL
3" = 1'-0"




5 TYP. HOLLOW METAL - JAMB DETAIL - STUD WALL
3" = 1'-0"




1 TYP. HOLLOW METAL - JAMB DETAIL - MASONRY
3" = 1'-0"




8 COUNTER SUPPORT
1" = 1'-0" A-101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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CS |
| REVIEWED BY | ZC |

DOOR AND FRAME DETAILS

# A-601

ISSUED FOR REBID

## PIPE MATERIAL SCHEDULE

| APPLICATION | LOCATION | SIZE | MATERIAL | JOINING METHOD |
|---|---|---|---|---|
| SANITARY WASTE/ VENT | BELOW GRADE | ALL | SCHEDULE 40 ABS<br>SCHEDULE 40 PVC | SOLVENT |
| | ABOVE GRADE<br>PLENUM RETURN | ALL | SCHEDULE 40 ABS | SOLVENT HUBLESS |
| | | ALL | CAST IRON | |
| T&P RELIEF | ALL | ALL | COPPER (TYPE M) | 95/5 SOLDER |
| DOMESTIC WATER IN OR WITHIN 5' OF BUILDING | BELOW GRADE | ALL | COPPER (TYPE K) W/ CORROSION-RESTRAINT TAPE | LEAD FREE BRAZED |
| | ABOVE GRADE<br>PLENUM RETURN | ALL | COPPER (TYPE L OR K) | 95/5 SOLDER |
| CONDENSATE | PLENUM RETURN | ALL | COPPER (TYPE M) | 95/5 SOLDER |
| | DUCTED RETURN | ALL | SCHEDULE 40 ABS | SOLVENT |
| NOTES: | ALL PIPING MATERIAL AND JOINING METHODS CONTINGENT ON AUTHORITY HAVIN JURISDICTION APPROVAL<br>ALL ABS AND PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED BY WATER-BASED LATEX PAINT<br>ALL BLACK STEEL PIPING EXPOSED TO MOISTURE SHALL BE PROTECTED BY RUST-PREVENTATIVE PAINT<br>ALL PVC PIPING LOCATED IN PLENUMS MUST MEET FLAME SPREAD ASTM E84 CERTIFICATION. NO EXCEPTIONS.<br>WHERE PLENUM RETURN IS UTILIZED PIPING WITHIN PLENUM SPACE THAT IS NOT RATED PER ASTM E84, CONTRACTOR MUST CARRY THE COST TO INSULATE ALL PIPING WITH FIRE WRAP INSULATION TO MEET ASTM E84 REQUIREMENTS PER CODE | | | |

## PLUMBING GENERAL NOTES:

1. THE FOLLOWING NOTES APPLY TO THE FULL SET OF PLUMBING DRAWINGS AND SPECIFICATIONS INCLUDING ADDENDA, CHANGES ORDERS, BULLETINS AND ARCHITECTURAL SUPPLEMENTARY INSTRUCTIONS.
2. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT AND LOCATION OF THE WORK. FURTHER DETAIL OF THE WORK THAT IS REQUIRED FOR A COMPLETE INSTALLATION, WHICH IS NOT SHOWN BECAUSE OF DRAWING SCALE, SHALL BE INCLUDED IN BASE BID.
3. FOR ADDITIONAL DETAILS, CONSULT THE ARCHITECTURAL DRAWINGS, OTHER ENGINEERING DRAWINGS, OWNER FURNISHED DRAWINGS AND OTHER OWNER FURNISHED DOCUMENTATION.
4. ALL PERMITS, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR THE WORK SHALL BE INCLUDED IN THE BASE BID. THIS INCLUDES PLAN REVIEW FEE FOR ALL BACKFLOW PREVENTERS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PLUMBING WORK WITH THE WORK OF OTHER TRADES. PROVIDE OFFSETS TO ALL PIPING AS REQUIRED WHETHER SHOWN OR NOT.
6. ALL WORK SHALL BE IN ACCORDANCE WITH 2014 ILLINOIS PLUMBING CODE . THIS CODE SHALL BE FOLLOWED AS A MINIMUM . HIGHER GRADES OF MATERIAL AND WORKMANSHIP SHALL BE PROVIDED WHERE REQUIRED.
7. PROVIDE HOLES, SLEEVES, FIRE STOPPING AND PATCHING FOR THE INSTALLATION OF THE PLUMBING WORK.
8. MANUFACTURER AND PRODUCT SELECTION: THE DRAWINGS AND SPECIFICATIONS INDICATE SIZES, PROFILES, AND DIMENSIONAL REQUIREMENTS OF MATERIAL AND SPECIFIC PRODUCTS. MANUFACTURERS OF PRODUCTS HAVING EQUIVALENT PERFORMANCE CHARACTERISTICS HAVE BEEN LISTED IN THE SPECIFICATION. THE USE OF ANY OF THE EQUIVALENT PRODUCTS SHALL REQUIRE THAT THE CONTRACTOR IDENTIFY MODIFICATIONS TO ACCOMMODATE VARIATIONS IN CHARACTERISTICS, SUCH AS WEIGHTS, CONNECTIONS, SIZES, AND DIMENSIONS. THE RESPONSIBILITY FOR MODIFICATIONS TO MECHANICAL, STRUCTURAL, ELECTRICAL, OR OTHER PLUMBING SYSTEMS, OR TO ACCOMMODATE CODES SHALL BE WITH THE CONTRACTOR. COSTS RESULTING FROM THE USE OF THESE EQUIVALENT PRODUCTS SHALL BE INCLUDED IN THE BASE BID.

## PLUMBING INSULATION NOTES:

DOMESTIC COLD WATER ABOVE GRADE: LIGHT DENSITY, FIBERGLASS PIPE INSULATION. ½" THICK, WITH VAPOR BARRIER JACKET.

DOMESTIC HOT WATER-ABOVE GRADE: LIGHT DENSITY, FIBERGLASS PIPE INSULATION, 1" THICK, WITH GLASS CLOTH JACKET.

STORM AND OVERFLOW PIPES TO BE INSULATED WITH 1" THICK INSULATION.

AT CONTRACTOR'S OPTION FIBERGLASS SNAP ON INSULATION WITH FOAM VAPOR BARRIER MAY BE SUBSTITUTED FOR ABOVE.
PIPING TO BE INSULATED ACCORDING TO 2021 INTERNATIONAL ENERGY CONSERVATION CODE. ANY NEW WATER PIPING SHALL BE INSULATED TO A MINIMUM OF R-3.

## PLUMBING ABBREVIATIONS:

| | |
|---|---|
| AD | AREA DRAIN |
| BFP | BACKFLOW PREVENTER |
| BP | BOOSTER PUMP |
| BTUH | BTU(S) PER HOUR |
| BV | BALANCING VALVE |
| CO2 | CARBON DIOXIDE |
| CPVC | CHLORINATED PVC |
| CW | COLD WATER |
| CWFU | COLD WATER FIXTURE UNITS |
| CWR | COLD WATER RETURN |
| DF | DRINKING FOUNTAIN |
| DFU | DRAINAGE FIXTURE UNITS |
| DIA | DIAMETER |
| DS | DOWNSPOUT |
| DW | DISH WASHER |
| ES | EMERGENCY SHOWER |
| EVAC | WASTE ANESTHETIC GAS DISPOSAL |
| EW | EMERGENCY EYE WASH |
| EWH | ELECTRIC WATER HEATER |
| FCO | FLOOR CLEANOUT |
| FD | FLOOR DRAIN |
| FRS | FLUSHING RIM SINK |
| FS | FLOOR SINK |
| GWH | GAS WATER HEATER |
| HB | HOSE BIBB |
| HD | HUB DRAIN |
| HS | HAND SINK |
| HW | HOT WATER |
| HWFU | HOT WATER FIXTURE UNITS |
| HWR | HOT WATER RETURN |
| IWP | INDIRECT WASTE PIPE |
| KS | KITCHEN SINK |
| LA | LAB AIR |
| LAV | LAVATORY |
| LV | LABATORY VACUUM |
| MB | MOP BASIN |
| MBH | BTU PER HOUR (THOUSAND) |
| MV | MIXING VALVE |
| N | NITROGEN |
| NCP | NITROGEN CONTROL PANEL |
| ND | NOZZLE DRAIN |
| NG | NATURAL GAS |
| NO | NITROUS OXIDE |
| NPT | NATIONAL PIPE THREAD TAPERED |
| O | OXYGEN |
| PEX | CROSS LINKED POLYETHYLENE |
| POC | POINT OF CONNECTION |
| PSI | POUNDS PER SQUARE INCH |
| PSIG | PSI GAUGE |
| PVC | POLYVINYL CHLORIDE |
| PW | PURE WATER |
| RD | ROOF DRAIN |
| RDO | ROOF DRAIN OVERFLOW |
| S | SINK |
| SD | SHOWER DRAIN |
| SE | SEWAGE EJECTOR |
| SFU | SUPPLY FIXTURE UNIT |
| SH | SHOWER |
| SP | SUMP PUMP |
| SPR | STANDPIPE RECEPTOR |
| SS | SERVICE SINK |
| TD | TRENCH DRAIN |
| TEMP | TEMPERATURE |
| TMV | THERMOSTATIC MIXING VALVE |
| UR | URINAL |
| VA | VACUUM |
| W | WASTE PIPE |
| WC | WATER CLOSET |
| WCO | WALL CLEANOUT |
| WH | WATER HEATER |
| WS | WATER SOFTENER |
| YCO | YARD CLEANOUT |

## GENERAL ABBREVIATIONS:

| | |
|---|---|
| A/E | ARCHITECT/ENGINEER |
| ABV | ABOVE |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| ALT | ALTERNATE |
| APPROX | APPROXIMATELY |
| ARCH | ARCHITECT |
| AVG | AVERAGE |
| BFG | BELOW FINAL GRADE |
| BLDG | BUILDING |
| CLG | CEILING |
| DEG-F, °F | DEGREES FAHRENHEIT |
| DIR | DIRECT |
| DISC | DISCONNECT |
| DN | DOWN |
| EC | ELECTRICAL CONTRACTOR |
| ELEV | ELEVATION REFERENCE |
| EM | EMERGENCY |
| EP | EXPLOSION PROOF |
| EWC | ELECTRIC WATER COOLER |
| F | FLUSH |
| FBO | FURNISHED BY OTHERS |
| FIXT | FIXTURE |
| FLA | FULL LOAD AMPS |
| FLR | FLOOR |
| FP | FIRE PROTECTION |
| FS | FLOW SWITCH |
| GC | GENERAL CONTRACTOR |
| GRD | GROUND |
| GYP | GYPSUM BOARD |
| HVAC | HEATING & VENTILATING - AIR CONDITIONING |
| HVC | HEATING VENTILATING CONTRACTOR |
| HW | HEAVYWALL |
| ID | INDIRECT |
| IE | INVERT ELEVATION |
| IL | INTERLOCK |
| IU | IN UNIT |
| J-BOX | JUNCTION BOX |
| LG | LAY-IN GRID |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| LVT | LINE VOLTAGE THERMOSTAT |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MTD | MOUNTED |
| N/A | NOT APPLICABLE |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| PC | PLUMBING CONTRACTOR |
| PLBG | PLUMBING CONTRACTOR |
| RM | ROOM |
| RQD | REQUIRED |
| SF | SQUARE FEET |
| SPEC | SPECIFICATION(S) |
| SURF | SURFACE |
| TS | TAMPER SWITCH |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UNO | UNLESS NOTED OTHERWISE |

## PLUMBING FITTINGS:

- 45° ELBOW
- CAP
- 90° ELBOW
- ELBOW DOWN
- ELBOW UP
- P TRAP
- TEE
- TEE DOWN
- TEE UP
- LATERAL
- UNION
- FLEXIBLE CONNECTION
- PIPE CONTINUATION
- CLEANOUT (CO)
- FLOOR CLEANOUT (FCO)
- WALL CLEANOUT (WCO)
- FLOOR SINK
- DRAIN
  - XX DENOTES THE FOLLOWING
  - (AD) AREA DRAIN
  - (FD) FLOOR DRAIN
  - (HD) HUB DRAIN
  - (RD) ROOF DRAIN

## PLUMBING VALVES:

- SOLENOID VALVE
- MODULATING 2-WAY VALVE
- MODULATING 3-WAY VALVE
- BALANCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- MIXING VALVE
- FLOAT OPERATED VALVE
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE
- SAFETY RELIEF VALVE
- DOUBLE CHECK VALVE ASSEMBLY
- RP REDUCED PRESSURE ZONE VALVE (RPZ)
- DUAL CHECK VALVE WITH INTERMEDIATE ATMOSPHERIC VENT

## PLUMBING SPECIALTIES:

- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- PRESSURE GAUGE
- PS PRESSURE SWITCH
- THERMOMETER
- STRAINER, BLOW DOWN
- STRAINER
- EXPANSION LOOP
- EXPANSION JOINT
- WATER HAMMER ARRESTER
- AQUASTAT
- HOSE BIBB/ WALL HYDRANT
- TRAP PRIMER
- VB VACUUM BREAKER
- SPV SPILL PROOF VACUUM BREAKER

## PIPE SYSTEM LINETYPES:

- PIPING OR EQUIPMENT TO BE REMOVED
- PIPING OR EQUIPMENT TO REMAIN
- IWP INDIRECT WASTE PIPE (IWP)
- GRS GREY WASTE (GRS)
- GR GREASE WASTE (GR)
- CV CLEAR WATER VENT (CV)
- AV ACID VENT (AV)
- AW ACID WASTE (AW)
- DT SUB-SOIL DRAINAGE (DT)
- IRRG IRRIGATION (IRRIG)
- GRW GREY WATER (GRW)
- CA COMPRESSED AIR (CA)
- CW(CITY) CITY COLD WATER (CW(CITY))
- COLD WATER DOMESTIC (CW)
- CWR COLD WATER RETURN (CWR)
- SCW SOFT COLD WATER (SCW)
- GW GARAGE WASTE (GW)
- HOT WATER DOMESTIC (HW)
- HOT WATER DOMESTIC RETURN (HWR)
- NG NATURAL GAS (NG)
- NPCW NON-POTABLE COLD WATER (NPCW)
- OV OIL VENT (OV)
- PD PUMP DISCHARGE (PD)
- PW PURE WATER (PW)
- SAN SANITARY (SAN)
- ST STORM (ST)
- STO STORM OVERFLOW (STO)
- UNDERGROUND PIPING
- V VENT (V)

## PLUMBING EQUIPMENT:

- SEWAGE EJECTOR (SE)
- BOOSTER PUMP (BP)
- GAS FIRED WATER HEATER - EXTERNAL STORAGE (GWH)
- GAS FIRED WATER HEATER - INTERNAL STORAGE (GWH)
- ELECTRIC WATER HEATER - INTERNAL STORAGE (EWH)
- GAS FIRED WATER HEATER - TANKLESS (GWH)
- M WATER METER
- SEPARATOR/ INTERCEPTOR (SEE SCHEDULE FOR ABBREVIATION)
- RECIRCULATION PUMP
- EXPANSION TANK (ET)
- SUMP PUMP (SP)
- BACK WATER VALVE (BW)

## PLUMBING TAGS:

- MARK / X / X / NUMBER — PLUMBING EQUIPMENT TAG
- RISER / X / NUMBER — RISER TAG
- PIPE SIZE / #" XX / SYSTEM ABBREVIATION — PIPE DIMENSION TAG
- POINT OF NEW CONNECTION
- POINT OF DISCONNECTION
- VIEW NUMBER REFERENCE / X | X / SHEET NUMBER — REFERENCE TAG


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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | RK |
| REVIEWED BY | MB |

PLUMBING LEGEND

# P-000

ISSUED FOR REBID

## GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL PLUMBING SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET P-000 FOR LEGEND,INSULATION AND PIPE MATERIAL SCHEDULE.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAINS LOCATIONS PRIOR TO INSTALLATION WITH ARCHITECT.
5. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
6. ON ALL PUBLIC LAVATORIES AND SINKS PROVIDE A.S.S.E. 1070 APPROVED MIXING VALVE TO SUPPLY A MAX 110 DEGREE HOT WATER IN ORDER TO ENSURE SCOLDING WILL NOT OCCUR.
7. ON ALL FLUSH VALVE OPERATED PLUMBING FIXTURES PROVIDE WATER HAMMER ARRESTORS ON COLD WATER LINE PRIOR TO CONNECTION TO FIXTURE TO ABSORB SHOCK DURING FLUSHING.
8. ALL FLOOR DRAINS TO BE PROVIDED WITH TRAP GUARDS.

| # | KEYNOTES |
|---|---|
| 1 | TRENCH DRAIN IN DUGOUT TO CONNECT TO TURF DRAIN SYSTEM. SEE CIVIL PLANS FOR MORE DETAILS. |
| 2 | YARD HYDRANT TO CONNECT TO NEAREST CONCESSION STAND. SEE SHEET P-101 FOR CONNECTION. |
| 3 | 1-1/2" WATER METER AND SHUT OFF VALVE LOCATED IN METER VAULT, CW LINE TO CONTINUE TO CITY MAIN. SEE CIVIL PLANS FOR CONTINUATION. |




1 / P-100 PLUMBING FIRST FLOOR OVERALL PLAN
1" = 80'-0"


LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District


# BASEBALL & SOFTBALL COMPLEX RENOVATION

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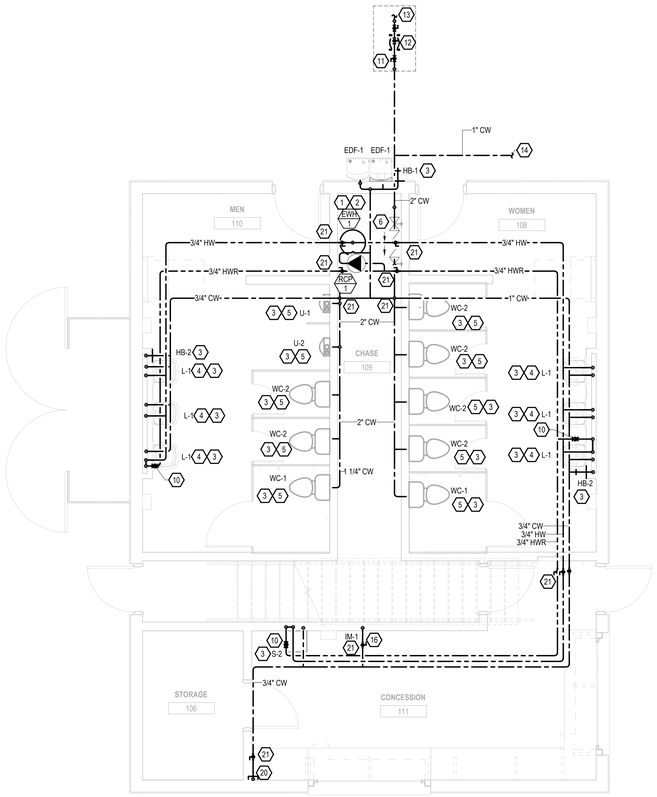
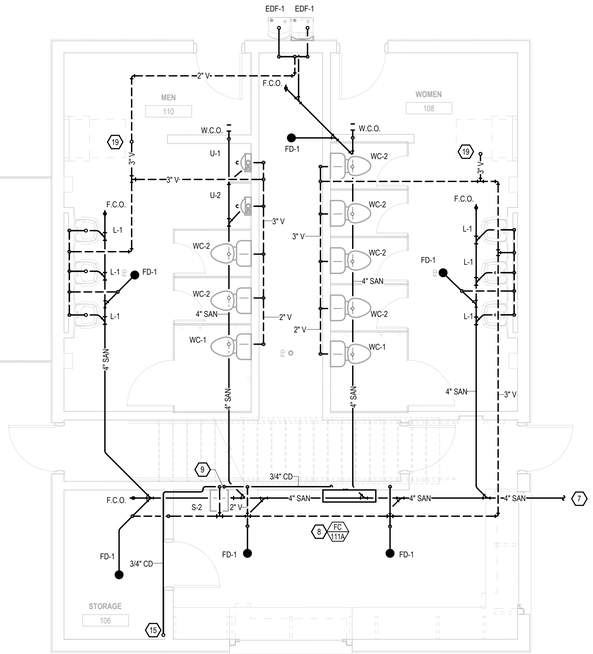
PLUMBING OVERALL PLAN

P-100

ISSUED FOR REBID



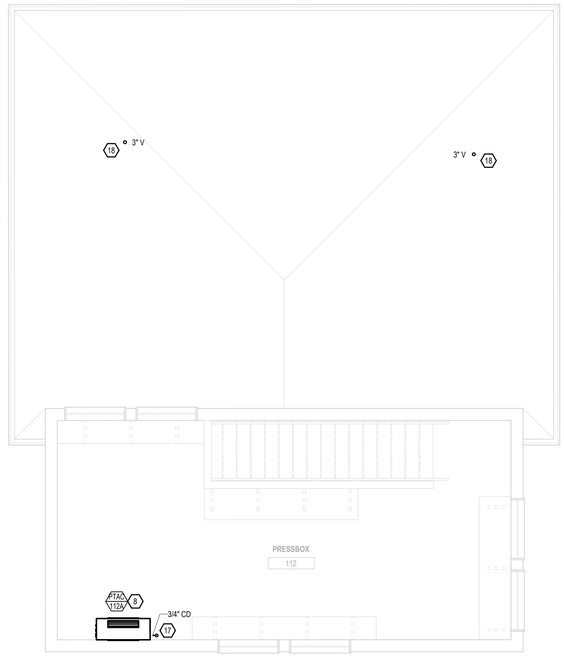

1 P-101 PLUMBING PLANS - CONCESSION BUILDING - DOMESTIC WATER
1/4" = 1'-0"




2 P-101 PLUMBING PLANS - CONCESSION BUILDING - SANITARY AND VENT
1/4" = 1'-0"



3 P-101 PLUMBING ROOF PLAN - CONCESSION BUILDING
1/4" = 1'-0"




4 P-101 PLUMBING SECOND FLOOR PLAN - CONCESSIONS
1/4" = 1'-0"

## GENERAL NOTES:

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2. ALL PLUMBING SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET P-000 FOR LEGEND,INSULATION AND PIPE MATERIAL SCHEDULE.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAINS LOCATIONS PRIOR TO INSTALLATION WITH ARCHITECT.
5. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
6. ON ALL PUBLIC LAVATORIES AND SINKS PROVIDE A.S.S.E. 1070 APPROVED MIXING VALVE TO SUPPLY A MAX 110 DEGREE HOT WATER IN ORDER TO ENSURE SCOLDING WILL NOT OCCUR.
7. ON ALL FLUSH VALVE OPERATED PLUMBING FIXTURES PROVIDE WATER HAMMER ARRESTORS ON COLD WATER LINE PRIOR TO CONNECTION TO FIXTURE TO ABSORB SHOCK DURING FLUSHING.
8. ALL FLOOR DRAINS TO BE PROVIDED WITH TRAP GUARDS.

| # | KEYNOTES |
|---|---|
| 1 | IN ORDER TO DRAIN BUILDING DOWN: STEP 2 SHUT OFF WATER HEATER EITHER AT THE PANEL OR AT LOCAL DISCONNECT. |
| 2 | IN ORDER TO DRAIN BUILDING DOWN: STEP 3 OPEN WATER HEATER DRAIN AND LET WATER DRAIN OUT OF WATER HEATER TO NEAREST FLOOR DRAIN. CLOSE VALVE ONCE WATER IS DRAINED IN ORDER TO ENSURE WATER WILL NOT SPILL OUT DURING START UP. |
| 3 | IN ORDER TO DRAIN BUILDING DOWN: STEP 4 ENGAGE PLUMBING FIXTURES IN ORDER TO DRAIN BRANCH LINES. |
| 4 | PROVIDE A.S.S.E TMV MIXING VALVE PRIOR TO CONNECTION TO FAUCET. TEMPERATURE TO BE SET AT 110F. |
| 5 | PROVIDE WATER HAMMER ARRESTOR ON COLD WATER LINE PRIOR TO CONNECTION TO FIXTURE. |
| 6 | 2" BACKFLOW PREVENTOR. BACK FLOW PREVENTOR TO DRAIN TO NEAREST FLOOR DRAIN. |
| 7 | 4" SANITARY LINE TO CONNECT TO CITY MAIN. INVERT TO BE A MINIMUM OF 2'-0" BELOW FINISH FLOOR. COORDINATE EXACT LOCATION AND INVERT WITH CIVIL DRAWINGS. |
| 8 | MECHANICAL EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE MECHANICAL SHEETS FOR MORE DETAILS. |
| 9 | NEW 3/4" CONDENSATE LINE TO DROP DOWN WALL AND CONNECT TO TAIL PIECE. SEE DETAIL 12 ON SHEET P-200 FOR MORE INFORMATION. |
| 10 | 3/4" BALANCING VALVE TO BE INSTALLED ON HOT WATER RETURN LINE PRIOR TO CONNECTING TO HOT WATER LINE. |
| 11 | IN ORDER TO DRAIN BUILDING DOWN: STEP 1 OPEN VAULT AND TURN OFF WATER AT SHUT OFF VALVE. |
| 12 | 2"X2" METER AND SHUT OFF VALVE VAULT. COORDINATE EXACT LOCATION AND DEPTH WITH CIVIL DRAWINGS. |
| 13 | 2" COLD WATER LINE TO CONTINUE TO CITY MAIN. COORDINATE EXACT LOCATION AND INVERT WITH CIVIL DRAWINGS. |
| 14 | 1" WATER LINE TO CONTINUE TO CONNECT TO WATER HYDRANT IN BASEBALL FIELD. SEE OVERALL PLANS FOR CONNECTION POINT. |
| 15 | 3/4" CONDENSATE LINE DOWN FROM FLOOR ABOVE. |
| 16 | 3/4" CW LINE DOWN WALL TO SERVCE ICE MAKER. PROVIDE WITH WATTS LF90 OR SIMILAR. |
| 17 | 3/4" CONDENSATE LINE DOWN TO FLOOR BELOW. |
| 18 | 3" VENT THROUGH THE ROOF. VENT DISCHARGE TO BE A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKES. |
| 19 | 3" VENT LINE UP THROUGH ROOF |
| 20 | 3/4" CW LINE DOWN EXPOSED IN CONCESSION STAND FOR FUTURE WATER CONNECTIONS. PROVIDE WITH BACKFLOW PREVENTOR, WATTS LF9D |
| 21 | SHUT-OFF VALVE. |

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PLUMBING PLANS - CONCESSION BUILDING

P-101

ISSUED FOR REBID

## GENERAL NOTES:

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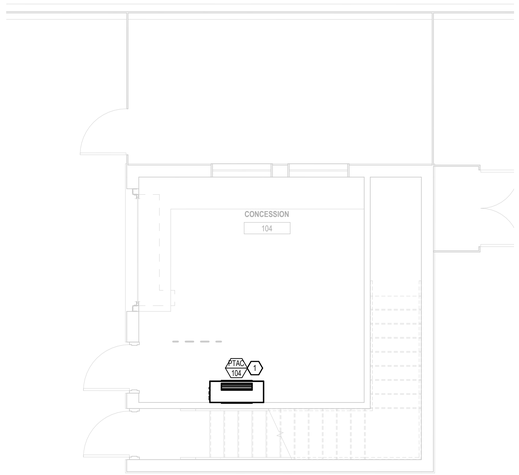
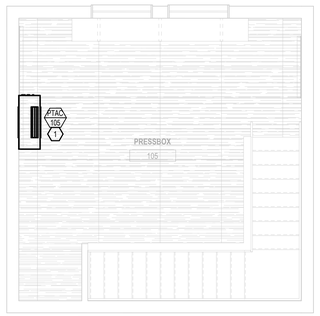
8. ALL FLOOR DRAINS TO BE PROVIDED WITH TRAP GUARDS.

| # | KEYNOTES |
|---|---|
| 1 | NEW 3/4" CONDENSATE LINE TO DRAIN TO THE EXTERIOR OF THE BUILDING. |




1 / P-102 PLUMBING PLANS - CONCESSION BUILDING - VARSITY - SANITARY AND VENT
1/4" = 1'-0"




2 / P-102 PLUMBING SECOND FLOOR PLAN - VARSITY
1/4" = 1'-0"



3 / P-102 PLUMBING ROOF PLAN - CONCESSION BUILDING - VARSITY
1/4" = 1'-0"

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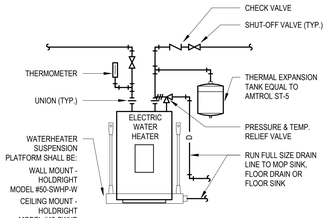
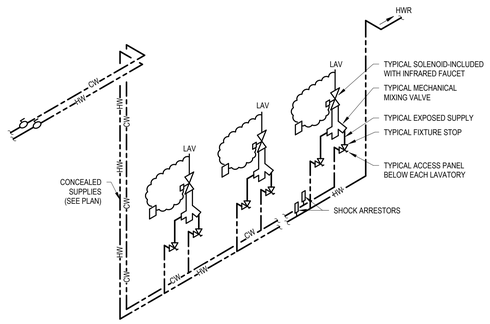
PLUMBING PLANS - CONCESSION BUILDING - VARSITY

# P-102

ISSUED FOR REBID




## 1 WATER HEATER DETAIL
P-200 SCALE: N.T.S.




## 2 LAVATORY TEMPERED WATER SUPPLY
P-200 NOT TO SCALE

## FIXTURE UNIT SCHEDULE

| TAG | DESCRIPTION | CONNECTION SIZE (IN) | | | DFU | | CWFU | HWFU | TOTAL WSFU | | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WASTE | VENT | CW | FIXTURE | TOTAL | FIXTURE | FIXTURE | FIXTURE | TOTAL | | | |
| EDF-1 | BOTTLE FILLING STATION - SURFACE MOUNTED ADA | 1 1/4" | 1 1/4" | 1/2" | 1 | 2 | 0.25 | 0 | 0.25 | 0.5 | ELKAY | ELZLMNSSM | NON-FILTERED, NON-REFRIGERATED. STAINLESS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT UNIT IS TO BE OUTDOOR RATED AND PROVIDED WITH ALL FROST PROOF REQUIREMENTS |
| FD-1 | FLOOR DRAIN | 4" | 2" | | 6 | 36 | 0 | 0 | 0 | 0 | ZURN | Z415B | CAST IRON, ADJUSTABLE, CAULK RIM TO ADJACENT FLOOR MATERIAL. PROVIDE WITH TRAP GUARD |
| HB-1 | EXTERIOR HOSE BIBB, WITH VACUUM BREAKER, FREEZELESS, WALL MOUNT | | | 3/4" | 0 | 0 | 4 | 0 | 0 | 0 | WOODFORD | B65 | FREEZLESS, PROVIDEW WITH LOCKABLE COVER |
| HB-2 | INDOOR HOSE BIBB, WITH VACUUM BREAKER | | | 3/4" | 0 | 0 | 4 | 0 | 0 | 0 | WOODFORD | B24 | FREEZLESS, PROVIDEW WITH LOCKABLE COVER |
| IM-1 | ICE MACHINE | | | 1" | | 0 | 0 | | 0 | 0 | OATEY | I2K | PLASTIC, COORDINATE WITH ARCHITECT |
| L-1 | LAVATORY - WALL MOUNT, VITREOUS CHINA, WIDESPREAD FAUCET, ADA | 1 1/4" | 1 1/4" | 1/2" | 1 | 6 | 1 | 1 | 1.5 | 9 | ZURN | Z5344 | MOUNT AT ADA HEIGHT, WALL MOUNT, MAX DEPTH 6-1/2", FAUCET TO BE MOEN 8886, 0.5 GPM, PROVIDEE A.S.S.E APPROVED TMV, TMV TO BE SET AT 110F. |
| S-2 | STAINLESS STEEL, WALL MOUNT | 1 1/4" | 1 1/4" | 1/2" | 1 | 1 | 1 | 1 | 1.5 | 1.5 | ELKAY | SEHS-17X | WALL MOUNTED STAINLESS STEEL SINK, PROVIDE WITH ELKAY GOOSENECK MANUAL FAUCET. |
| TD-1 | TRENCH DRAIN- 12'-0" | 3" | 2" | | 6 | 24 | 0 | 0 | 0 | 0 | ZURN | Z886 | 12'-0" LONG, 6" WIDE MODULAR HIGH DENSITY POLYETHLENE TRENCH WITH 6" WIDE REVEAL DUCTILE IRON SLATED GRATE. PROVIDE TRAP GUARD TO BE INSTALLED IN TRENCH DRAIN.HEEL-PROOF DUCTILE SLOTTED GRATE- CLASS B. |
| U-1 | URINAL - WALL MOUNT, WASHOUT, ADA | 2" | 1 1/2" | 3/4" | 2 | 2 | 4 | 0 | 4 | 4 | AMERCAIN STANDARD | 6561017 | MOUNTED AT ADA HEIGHT, VITEROUS CHINA, FINISH TO BE WHITE, FLUSH VALVE TO BE AMERCAIN STANDARD 6145.051.002, 0.5 GPF.MANUAL |
| U-2 | URINAL - WALL MOUNT, WASHOUT | 2" | 1 1/2" | 3/4" | 2 | 2 | 4 | 0 | 4 | 4 | AMERCAIN STANDARD | 6561017 | VITEROUS CHINA, FINISH TO BE WHITE, FLUSH VALVE TO BE AMERCAIN STANDARD 6145.051.002, 0.5 GPF MANUAL |
| WC-1 | WATER CLOSET - FLOOR MOUNT,FLUSH VALVE, ADA | 3" | 1 1/2" | 1/2" | 6 | 12 | 3 | 0 | 3 | 6 | AMERCAIN STANDARD | 3043001 | ADA HEIGHT, FLOOR MOUNTED, FINISH TO BE WHITE, FLUSH VALVE TO BE PROVIDE WITH AMERCAIN STANDARD 6047121,1.28 GPF, MANUAL, PROVIDE WITH OPEN FRONT SEAT |
| WC-2 | WATER CLOSET - FLOOR MOUNT, FLUSH VALVE | 3" | 1 1/2" | 1/2" | 6 | 36 | 3 | 0 | 3 | 18 | AMERCAIN STANDARD | 3043001 | FLOOR MOUNTED, FINISH TO BE WHITE, FLUSH VALVE TO BE PROVIDE WITH AMERCAIN STANDARD 6047121,1.28 GPF, MANUAL, PROVIDE WITH OPEN FRONT SEAT |
| YH-1 | HYDRANT | | | 1" | 0 | 0 | 0 | 0 | 0 | 0 | WOODFORD | Y95 | FREEZLESS, PROVIDE WITH COVER FLUSH TO GRADE. |
| | | | | | | 121 | | | | 43 | | | |

## ELECTRIC WATER HEATER SCHEDULE

| TAG | LOCATION | SERVICE | DESCRIPTION | STORAGE (GAL) | RECOVERY CAP. (100°F RISE) | ELECTRICAL DATA | | | | WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | KW | V | PH | HZ | | | | |
| EWH-1 | CHASE | CONCESSION | ELECTRIC WATER HEATER | 30.0 | 10.0 | 4.5 | 208 | 1 | 60 | 115 | AO SMITH | EJT-30 | ALL |

**REMARKS:**

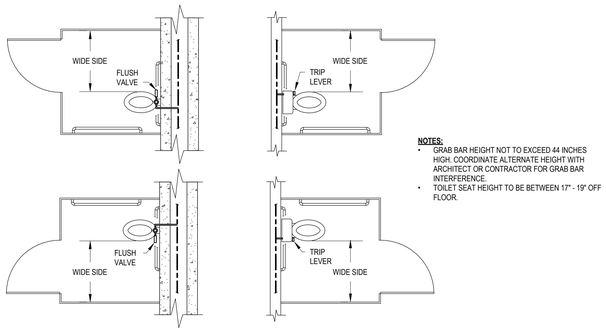
1. COLD WATER CONNECTION 3/4", HOT WATER CONNECTION 3/4".
2. WATER HEATER SHALL HAVE A FOAM INSULATION AND A CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE.
3. UNIT TO HAVE DRIP PAN THAT IS TO BE DRAINED TO NEAREST FLOOR DRAIN.
4. PROVIDE EXPANSION TANK ET-1 TO BE AMTROL ST-5C-DD OR EQUAL.
5. ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRED DISCONNECT SWITCH.
6. WATER HEATER TO BE MOUNTED ON WALL IN CHASE SPACE.

## PUMP SCHEDULE

| TAG | LOCATION | TYPE | CAPACITY (GPM) | ELECTRICAL DATA | | | | | WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RPM | HP | V | PH | HZ | | | | |
| RCP-1 | CHASE | RECIRCULATION | 10 | 1450 | 0.17 | 120 | 1 | 60 | 14 | BELL AND GOSSET | PL-45 | ALL |

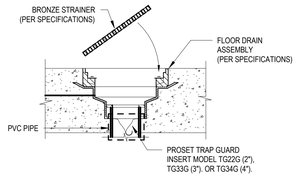
**REMARKS:**

1. LABEL ALL PUMPS.
2. INLINE PUMPS ARE TO BE SUPPORTED BY PIPING, AND/OR HUNG FROM UNISTRUCT WITH VIBRATION HANGING RODS.
3. CONTRACTOR SHALL VERIFY FINAL HEAD PRESSURE AND PUMP SELECTION WITH ACTUAL FIELD CONDITIONS.




**NOTES:**
- GRAB BAR HEIGHT NOT TO EXCEED 44 INCHES HIGH. COORDINATE ALTERNATE HEIGHT WITH ARCHITECT OR CONTRACTOR FOR GRAB BAR INTERFERENCE.
- TOILET SEAT HEIGHT TO BE BETWEEN 17" - 19" OFF FLOOR.

## 3 ADA COMPLYING WATER - CLOSET INSTALLATION
P-200 3/8" = 1'-0"




**NOTES:**
1. THIS INSERT CAN BE INSTALLED INTO ANY GASKETED OPEN ENDED PIPE TO PREVENT SEWER GAS EMISSION.
2. RAP GUARD SHALL BE INSERTED INTO A GASKETED OPEN END PIPE THAT CONNECTS LARGER TOP FLOOR DRAIN.
3. TO MAKE A WATERTIGHT SEAL, USE AN ADHESIVE TYPE CAULK UNDER THE TOP FLANGE AND THE GASKET MATERIAL.
4. FLOOR DRAINS IN THE KITCHEN SHALL NOT HAVE TRAP GUARD.

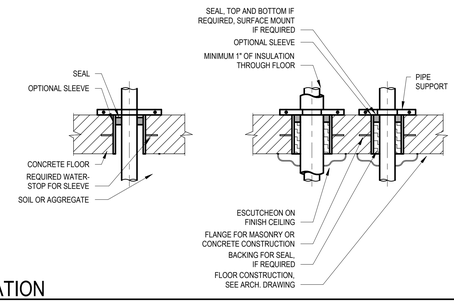
## 4 FLOOR DRAIN DETAIL
P-200 NTS

LISTED FIRE-STOP SYSTEM SHALL BE ON FIRE-RESISTIVE CONSTRUCTION. INSTALLATION SHALL COMPLY WITHIN THE LIMITATION OF THE LISTING AND MEET REQUIRED F-RATING AND T-RATING.

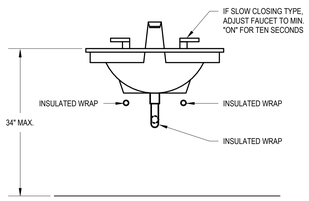
WATERTIGHT SEAL SHALL BE REQUIRED FOR PENETRATION THROUGH FLOOR AGAINST SOIL OR AGGREGATE.

SMOKE BARRIERS AND ALL OTHER PENETRATIONS, PROVIDE SEAL AS INDICATED IN SPEC.

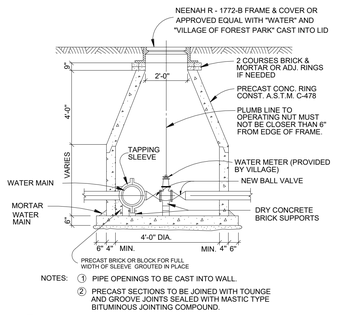
SEE SPEC. FOR CUTTING, PATCHING, PENETRATION SEAL, SLEEVES, EXCAVATION AND BACKFILLING.




## 5 FLOOR PENETRATION
P-200 3/4" = 1'-0"

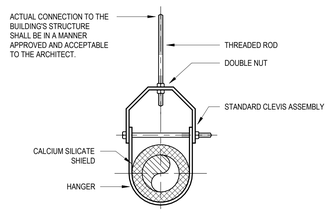



## 6 ADA COMPLYING LAVATORY INSTALLATION
P-200 NOT TO SCALE

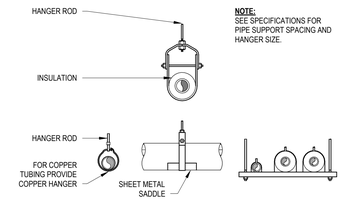



NOTES: ① PIPE OPENINGS TO BE CAST INTO WALL.
② PRECAST SECTIONS TO BE JOINED WITH TOUNGE AND GROOVE JOINTS SEALED WITH MASTIC TYPE BITUMINOUS JOINTING COMPOUND.

## 7 Meter in Vault
P-200 SCALE: N.T.S.

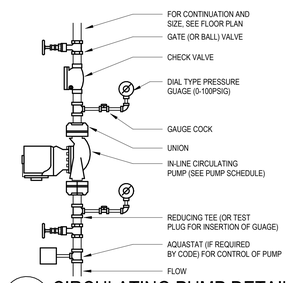



## 8 PIPE CLEVIS HANGER DETAIL
P-200 NTS

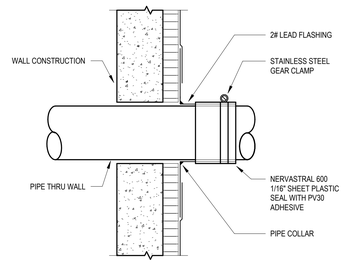



**NOTE:** SEE SPECIFICATIONS FOR PIPE SUPPORT SPACING AND HANGER SIZE.

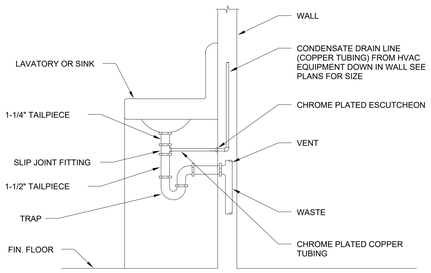
## 9 PIPE SUPPORT
P-200 NOT TO SCALE




## 10 CIRCULATING PUMP DETAIL
P-200 NTS




## 11 VENT THRU WALL DETAIL
P-200 NTS




## 12 CONDENSATE TO LAVATORY
P-200 1/8" = 1'-0"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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
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PROJECT NUMBER 226057.00
DATE OF ISSUE 08.04.2026
DRAWN BY RK
REVIEWED BY MB

PLUMBING SCHEDULES AND DETAILS

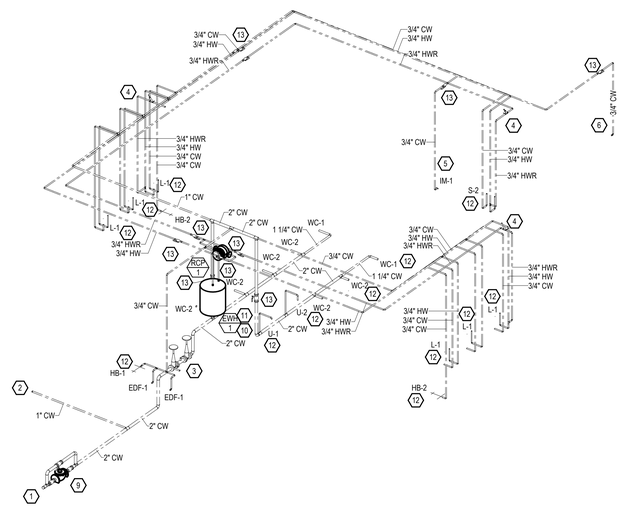
# P-200

ISSUED FOR REBID

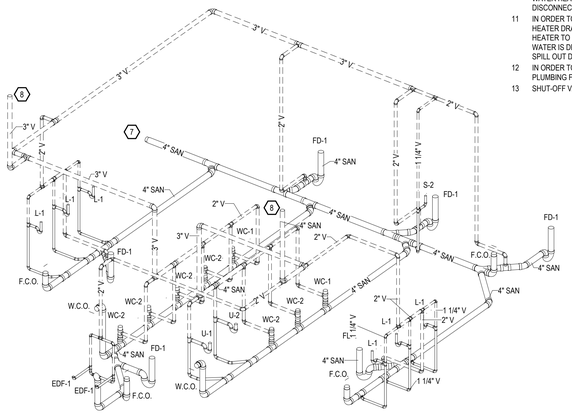
## GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL PLUMBING SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET P-000 FOR LEGEND,INSULATION AND PIPE MATERIAL SCHEDULE.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAINS LOCATIONS PRIOR TO INSTALLATION WITH ARCHITECT.
5. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
6. ON ALL PURLIC LAVATORIES AND SINKS PROVIDE A.S.S.E. 1070 APPROVED MIXING VALVE TO SUPPLY A MAX 110 DEGREE HOT WATER IN ORDER TO ENSURE SCOLDING WILL NOT OCCUR.
7. ON ALL FLUSH VALVE OPERATED PLUMBING FIXTURES PROVIDE WATER HAMMER ARRESTORS ON COLD WATER LINE PRIOR TO CONNECTION TO FIXTURE TO ABSORB SHOCK DURING FLUSHING.
8. ALL FLOOR DRAINS TO BE PROVIDED WITH TRAP GUARDS.

| # | KEYNOTES |
|---|---|
| 1 | 2" COLD WATER LINE TO CONTINUE TO CITY MAIN. COORDINATE EXACT LOCATION AND INVERT WITH CIVIL DRAWINGS. |
| 2 | 1" WATER LINE TO CONTINUE TO CONNECT TO WATER HYDRANT IN BASEBALL FIELD. SEE OVERALL PLANS FOR CONNECTION POINT. |
| 3 | 2" BACKFLOW PREVENTOR. BACK FLOW PREVENTOR TO DRAIN TO NEAREST FLOOR DRAIN. |
| 4 | 3/4" BALANCING VALVE TO BE INSTALLED ON HOT WATER RETURN LINE PRIOR TO CONNECTING TO HOT WATER LINE. |
| 5 | 3/4" CW LINE DOWN WALL TO SERVICE ICE MAKER. PROVIDE WITH WATTS LF9D OR SIMILAR. |
| 6 | 3/4" CW LINE DOWN EXPOSED IN CONCESSION STAND FOR FUTURE WATER CONNECTIONS. PROVIDE WITH BACKFLOW PREVENTOR, WATTS LF9D |
| 7 | 4" SANITARY LINE TO CONNECT TO CITY MAIN. INVERT TO BE A MINIMUM OF 2'-0" BELOW FINISH FLOOR. COORDINATE EXACT LOCATION AND INVERT WITH CIVIL DRAWINGS. |
| 8 | 3" VENT LINE UP THROUGH ROOF |
| 9 | IN ORDER TO DRAIN BUILDING DOWN: STEP 1 OPEN VAULT AND TURN OFF WATER AT SHUT OFF VALVE. |
| 10 | IN ORDER TO DRAIN BUILDING DOWN: STEP 2 SHUT OFF WATER HEATER EITHER AT THE PANEL OR AT LOCAL DISCONNECT. |
| 11 | IN ORDER TO DRAIN BUILDING DOWN: STEP 3 OPEN WATER HEATER DRAIN AND LET WATER DRAIN OUT OF WATER HEATER TO NEAREST FLOOR DRAIN. CLOSE VALVE ONCE WATER IS DRAINED IN ORDER TO ENSURE WATER WILL NOT SPILL OUT DURING START UP. |
| 12 | IN ORDER TO DRAIN BUILDING DOWN: STEP 4 ENGAGE PLUMBING FIXTURES IN ORDER TO DRAIN BRANCH LINES. |
| 13 | SHUT-OFF VALVE. |




1 P-301 PLUMBING DOMESTIC WATER RISER - CONCESSIONS
SCALE: N.T.S.




3 P-301 PLUMBING SANITARY WASTE AND VENT RISER - CONCESSIONS
SCALE: N.T.S.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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | RK |
| REVIEWED BY | MB |

PLUMBING RISER DIAGRAMS

# P-301

ISSUED FOR REBID

## GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR AS REQUIRED TO INSTALL A COMPLETE AND OPERABLE HVAC SYSTEM PER THE NEW ARCHITECTURAL LAYOUT AND AS TO COMPLY WITH THE SPECIFICATION, DETAILS,THIS SCOPE OF WORK AND ALL APPLICABLE CODES.
2. ALL WORK PERFORMED SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE ALL NEW WORK WITH ALL TRADES PRIOR TO ANY WORK BEING DONE TO ENSURE CONFLICTS DO NOT OCCUR.
4. DISRUPTION OF ANY EXISTING SERVICE SHALL BE CLEARED WITH THE OWNER AND SHALL BE PERFORMED AT A TIME AND IN A MANNER SO AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE.
5. ALL DUCT SIZES INDICATED ON PLANS AND RISERS ARE CLEAR INSIDE DIMENSIONS. DUCT SIZES NOT SHOWN SHALL BE SIZED TO VELOCITIES NO GREATER THAN UPSTREAM SECTION USING SIMILAR ASPECT RATIOS.
6. ALL SUPPLY AIR TAKEOFFS FROM MAIN TRUNK DUCTS ARE TO BE INSTALLED WITH BELL MOUTH FITTINGS OR 45 DEGREE ENTRY TO PROVIDE THE SMOOTHEST AIR FLOW POSSIBLE.
7. PROVIDE TURNING VANES IN ALL LOW-PRESSURE 90-DEGREE DUCT TURNS.
8. ALL THERMOSTAT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
9. ALL DUCTS LOCATED ABOVE INACCESSIBLE CEILINGS ARE TO BE BALANCED PRIOR TO CEILING INSTALLATIONS.
10. CONTRACTOR SHALL PROVIDE ACCESS DOORS FOR SERVICE AND MAINTENANCE OF ALL EQUIPMENT LOCATED ABOVE INACCESSIBLE CEILINGS.
11. PROVIDE GUIDES, HANGERS, EXPANSION LOOPS AND SUPPLEMENTARY STEEL SUPPORT WHERE REQUIRED FOR ALL PIPING.
12. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM E84 OR UL 723. PVC VENT PIPING IN PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
13. CONTRACTOR WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF ROOFS/WALLS/FLOORS AND CORE DRILLS REQUIRED TO COMPLETE THEIR RESPECTIVE WORK.

## DUCT INSULATION NOTES

| | |
|---|---|
| ALL EXPOSED DUCTWORK IN CONDITIONED SPACES OR SPIRAL DUCT | NONE |
| ALL EXTERIOR DUCTWORK | MIN. R-12 |
| ALL CONCEALED SUPPLY AND RETURN DUCT | MIN. R-6 |
| ALL EXHAUST UP TO 10'-0" FROM DISCHARGE | MIN. R-6 |
| ALL HEATING AND COOLING HYDRONIC PIPING | MIN. 2" |
| CONDENSATE PIPING | MIN. 1" |

NOTE:
ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED INUNCONDITIONED SPACES AND WITH A MINIMUM OF R-12 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-12 INSULATION. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEM OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.

## MECHANICAL ABBREVIATIONS:

| | |
|---|---|
| AC | AIR CONDITIONER |
| ACH | AIR CHANGES PER HOUR |
| AF | AIR FILTER |
| AHU | AIR HANDLING UNIT |
| APD | AIR PRESSURE DROP |
| BAS | BUILDING AUTOMATION SYSTEM |
| BHP | BRAKE HORSEPOWER |
| BTU | BRITISH THERMAL UNIT |
| BTUH | BTU(S) PER HOUR |
| CC | COOLING COIL |
| CF | CUBIC FEET |
| CFH | CUBIC FEET PER HOUR |
| CFM | CUBIC FEET PER MINUTE |
| CH | CHILLER |
| CO | CLEANOUT |
| CT | COOLING TOWER |
| CU | CONDENSING UNIT |
| CUH | CABINET UNIT HEATER |
| CV | CONSTANT AIR VOLUME |
| DAT | DISCHARGE AIR TEMPERATURE |
| DB | DECIBEL OR DRY BULB TEMPERATURE |
| DDC | DIRECT DIGITAL CONTROL |
| DH | DUCT HEATER |
| DX | DIRECT EXPANSION |
| EAT | ENTERING AIR TEMPERATURE |
| EER | ENERGY EFFICIENCY RATIO |
| EF | EXHAUST FAN |
| ESP | EXTERNAL STATIC PRESSURE |
| ET | EXPANSION TANK |
| EWT | ENTERING WATER TEMPERATURE |
| FA | FREE AREA |
| FC | FAN COIL |
| FD | FIRE DAMPER |
| FH | FUME HOOD |
| FPB | FAN POWERED BOX |
| FPM | FEET PER MINUTE |
| FPS | FEET PER SECOND |
| FS | FREEZE STAT |
| FSD | COMBINATION FIRE/SMOKE DAMPER |
| GA | GAUGE |
| GAL | GALLON |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| H | HUMIDISTAT |
| HC | HEATING COIL |
| HD | HOOD OR HEAT DETECTOR |
| HEPA | HIGH EFFICIENCY PARTICULATE AIR FILTER |
| HP | HORSEPOWER OR HEAT PUMP |
| HR | HOUR |
| HUM | HUMIDIFIER |
| HX | HEAT EXCHANGER |
| HZ | HERTZ |
| IN W.C. | INCHES WATER COLUMN |
| IN W.G. | INCHES WATER GAUGE |
| KW | KILOWATT |
| KWH | KILOWATT HOUR |
| LAT | LEAVING AIR TEMPERATURE |
| LBS | POUNDS |
| LWT | LEAVING WATER TEMPERATURE |
| MBH | THOUSAND BTUH |
| NC | NORMALLY CLOSED |
| NK | NECK |
| NO | NORMALLY OPEN |
| P | PUMP |
| PA | PASCAL |
| PH | PHASE |
| PRV | PRESSURE REDUCING VALVE |
| PSIA | POUNDS PER SQUARE INCH ABSOLUTE |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| RF | RETURN FAN |
| RH | RELATIVE HUMIDITY |
| RHC | REHEAT COIL |
| RO | RELIEF OPENING |
| RPM | REVOLUTIONS PER MINUTE |
| SAT | SUPPLY AIR TEMPERATURE |
| SD | SMOKE DAMPER OR SMOKE DETECTOR |
| SF | SQUARE FEET OR SUPPLY FAN |
| SPS | STATIC PRESSURE SENSOR |
| T | THERMOSTAT |
| TD | TEMPERATURE DIFFERENCE |
| TO | TRANSFER OPENING |
| UC | UNDERCUT (DOOR) |
| UH | UNIT HEATER |
| VAV | VARIABLE AIR VOLUME |
| VD | VOLUME DAMPER |
| VFD | VARIABLE FREQUENCY DRIVE |
| VSD | VARIABLE SPEED DRIVE |
| VTR | VENT THROUGH ROOF |
| W | WATT |
| WB | WET BULB TEMPERATURE |
| WC | WATER COLUMN |
| WPD | WATER PRESSURE DROP |

## GENERAL ABBREVIATIONS:

| | |
|---|---|
| A/E | ARCHITECT/ENGINEER |
| ABV | ABOVE |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| ALT | ALTERNATE |
| ARCH | ARCHITECT |
| BFG | BELOW FINAL GRADE |
| BLDG | BUILDING |
| CLG | CEILING |
| DIR | DIRECT |
| DISC | DISCONNECT |
| DN | DOWN |
| EC | ELECTRICAL CONTRACTOR |
| ELEV | ELEVATION REFERENCE |
| EM | EMERGENCY |
| EP | EXPLOSION PROOF |
| EWC | ELECTRIC WATER COOLER |
| F | FLUSH |
| FBO | FURNISHED BY OTHERS |
| FIXT | FIXTURE |
| FLA | FULL LOAD AMPS |
| FLR | FLOOR |
| FS | FLOW SWITCH |
| GC | GENERAL CONTRACTOR |
| GRD | GROUND |
| GYP | GYPSUM BOARD |
| HC | HEATING CONTRACTOR |
| HVAC | HEATING & VENTILATING - AIR CONDITIONING |
| HVC | HEATING VENTILATING CONTRACTOR |
| HW | HEAVYWALL |
| ID | INDIRECT |
| IL | INTERLOCK |
| IU | IN UNIT |
| J-BOX | JUNCTION BOX |
| LG | LAY-IN GRID |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| LVT | LINE VOLTAGE THERMOSTAT |
| MC | MECHANICAL CONTRACTOR |
| MCA | MINIMUM CIRCUIT AMPS |
| MOCP | MAXIMUM OVERCURRENT PROTECTION |
| MTD | MOUNTED |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| PLBG | PLUMBING CONTRACTOR |
| RM | ROOM |
| SURF | SURFACE |
| TS | TAMPER SWITCH |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| VC | VENTILATION CONTRACTOR |

## DUCT SYSTEM ABBREVIATIONS:

| | |
|---|---|
| CA | COMBUSTION AIR |
| CV | COMBUSTION VENT |
| EA-AII | EXHAUST AIR - AIRBORNE INFECTIOUS ISOLATION |
| EA-CH | EXHAUST AIR - CHEMICAL |
| EA-D | EXHAUST AIR - DRYER |
| EA | EXHAUST AIR - ENVIRONMENTAL |
| EA-K1 | TYPE 1 - KITCHEN EXHAUST |
| EA-K2 | TYPE 2 - KITCHEN EXHAUST |
| OA | OUTDOOR AIR |
| RA | RETURN AIR |
| SA | SUPPLY AIR |

## DUCT SYSTEMS:

- BD-# — BACKDRAFT DAMPER
- FD-# — FIRE DAMPER
- SD-# — SMOKE DAMPER
- FSD-# — COMBINATION FIRE SMOKE DAMPER
- MD-# — MOTORIZED DAMPER
- VOLUME DAMPER
- SIDEWALL GRILLE
- CEILING DIFFUSER, SUPPLY 4-WAY BLOW PATTERN
- CEILING DIFFUSER, SUPPLY 3-WAY BLOW PATTERN
- CEILING DIFFUSER, SUPPLY 2-WAY BLOW PATTERN
- CEILING DIFFUSER, SUPPLY 1-WAY BLOW PATTERN
- CEILING DIFFUSER, RETURN
- CEILING DIFFUSER, EXHAUST
- UC — DOOR UNDERCUT
- DUCT SECTION, SUPPLY
- DUCT SECTION, RETURN
- DUCT SECTION, EXHAUST
- FLEXIBLE DUCT
- DIRECTION OF AIR FLOW
- DUCT SIZE TRANSITION
- RECTANGULAR ELBOW DOWN - SINGLE LINE
- ROUND ELBOW DOWN - SINGLE LINE
- RECTANGULAR ELBOW UP - SUPPLY
- RECTANGULAR ELBOW DOWN - SUPPLY
- ROUND ELBOW UP - SUPPLY
- ROUND ELBOW DOWN - SUPPLY
- RECTANGULAR ELBOW UP - RETURN
- RECTANGULAR ELBOW DOWN - RETURN
- ROUND ELBOW UP - RETURN
- ROUND ELBOW DOWN - RETURN
- RECTANGULAR ELBOW UP - EXHAUST
- RECTANGULAR ELBOW DOWN - EXHAUST
- ROUND ELBOW UP - EXHAUST
- ROUND ELBOW DOWN - EXHAUST
- MITERED ELBOW
- MITERED ELBOW WITH TURNING VANES
- ACCESS DOOR - TOP/SIDE
- AIR FLOW MEASURING STATION
- SOUND ATTENUATOR
- FLEXIBLE CONNECTION

## HVAC SENSORS:

- CO2 — CARBON DIOXIDE
- CO — CARBON MONOXIDE
- DS — DEWPOINT
- G — GAS
- H — HUMIDITY
- NO — NITROGEN OXIDE
- P — RELATIVE PRESSURE MONITOR
- R — REFRIGERANT MONITOR
- SD — SMOKE DETECTOR
- SP — STATIC PRESSURE
- T — THERMOSTAT
- TS — TEMPERATURE

## MECHANICAL EQUIPMENT:

PLAN / SYMBOL

- AIR SEPARATOR
- BASKET STRAINER
- EXPANSION TANK, FREE STANDING
- EXPANSION TANK, HANGING
- SIDE STREAM FILTER
- LOUVER
- HEAT EXCHANGER, PLATE AND FRAME
- HEAT EXCHANGER, SHELL AND TUBE
- T — STEAM TRAP
- VFD — VARIABLE FREQUENCY DRIVE
- CB — CONTROL BOX
- M — ENERGY METER
- M — NATURAL GAS METER
- PUMP (SEE SCHEDULE FOR TYPE)
- VARIABLE AIR VOLUME BOX
- VAV BOX WITH ELECTRIC REHEAT
- VAV BOX WITH HYDRONIC REHEAT
- ROUND IN / ROUND OUT VAV BOX
- FAN POWERED BOX

## MECHANICAL TAGS:

- ## x ## XX — VISIBLE DIMENSION; DUCT DIMENSIONS (CLEAR, INTERNAL); SYSTEM ABBREVIATION
- TYPE: S - SUPPLY, R - RETURN, E - EXHAUST, T - TRANSFER
- XX (# x #) ### — SIZE (OPTIONAL); DIFFUSER TAG; AIR FLOW RATE
- X / X — MARK; NUMBER; MECHANICAL EQUIPMENT TAG
- RISER X — NUMBER; RISER TAG
- ##" XX — PIPE SIZE; SYSTEM ABBREVIATION; PIPE DIMENSION TAG
- POINT OF NEW CONNECTION
- POINT OF DISCONNECTION

## GENERAL:

- ## — REFERENCE NOTE SYMBOL
- DETAIL NUMBER; SHEET NUMBER — BUILDING SECTION
- DETAIL NUMBER; SHEET NUMBER — BUILDING ELEVATION
- DETAIL NUMBER; SHEET NUMBER — CALLOUT BOUNDARY
- DETAIL NUMBER; SHEET NUMBER — VIEW REFERENCE CALLOUT
- +X' - X" — MOUNTING HEIGHT DESIGNATION


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| DRAWN BY | RK |
| REVIEWED BY | MB |

MECHANICAL LEGEND

# M-000

ISSUED FOR REBID

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5. ALL DUCTWORK THROUGH STRUCTURAL SUPPORT COLUMNS AND WALLS TO HAVE HOLE CUT FOR DUCTWORK. COORDINATE EXACT SIZE AND LOCATION WITH STRUCTURAL CONTRACTOR.

| # | KEYNOTES |
|---|---|
| 1 | LOCKER ROOMS PART OF ALTERNATE BID #4, HEATER IN LOCKER ROOM TO BE INCLUDED IN ALTERNATE BID. |




1 / M-100 MECHANICAL OVERALL PLAN
1" = 80'-0"


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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE _____

DATE _____

REVISIONS

| NO. | DESCRIPTION | DATE |
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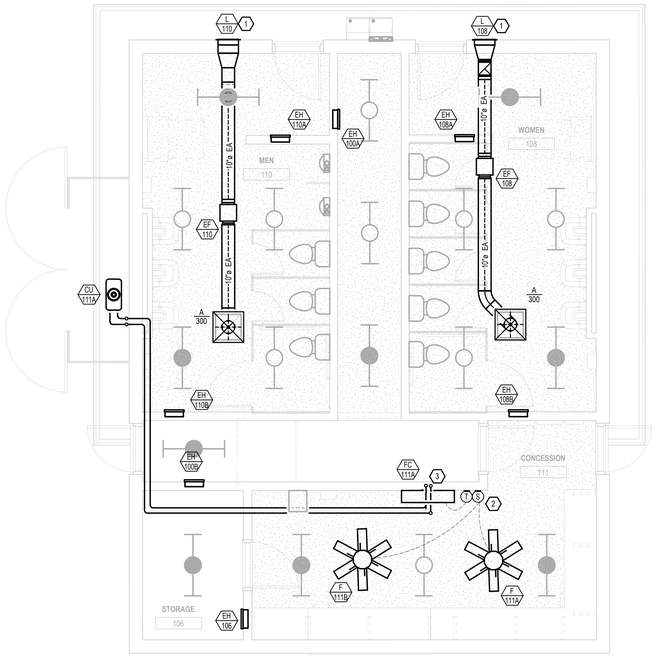
|---|---|
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | RK |
| REVIEWED BY | MB |

MECHANICAL OVERALL PLAN

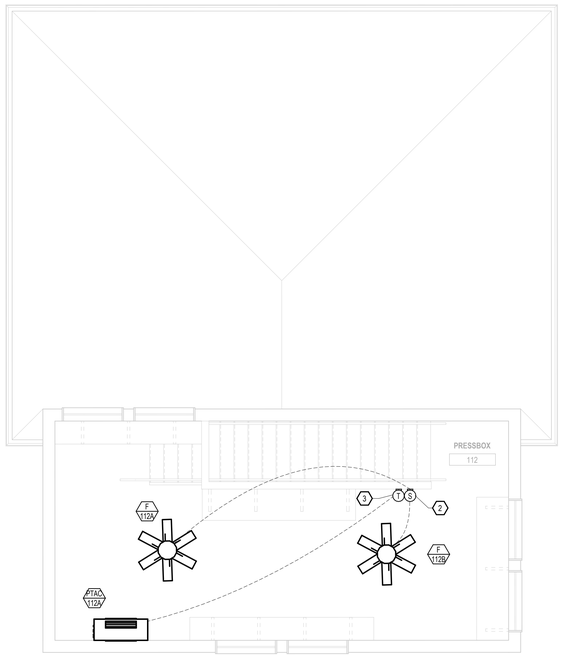
# M-100

ISSUED FOR REBID




1 M-101 MECHANICAL PLANS - CONCESSIONS BUILDING - HVAC

1/4" = 1'-0"




2 M-101 SECOND FLOOR MECHANICAL PLAN - CONCESSION

1/4" = 1'-0"

## GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD, AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M-000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDE NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NO GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723 PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEE PREVIOUS STATEMENT.
5. ALL DUCTWORK THROUGH STRUCTURAL SUPPORT COLUMNS AND WALLS TO HAVE HOLE CUT FOR DUCTWORK. COORDINATE EXACT SIZE AND LOCATION WITH STRUCTURAL CONTRACTOR.

| # | KEYNOTES |
|---|---|
| 1 | EXHAUST DISCHARGE TO BE MOUNTED AS HIGH AS POSSIBLE. EXHAUST TO BE A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKES. |
| 2 | SWITCH TO CORRESPONDING FANS IN ROOM. |
| 3 | NEW THERMOSTAT TO CONTROL CORESSPONING MECHANICAL EQUIPMENT. |

LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District

# BASEBALL & SOFTBALL COMPLEX RENOVATION

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MECHANICAL PLANS - CONCESSION BUILDING

# M-101

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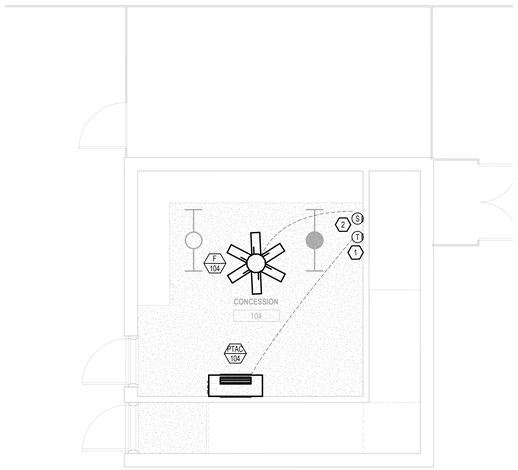


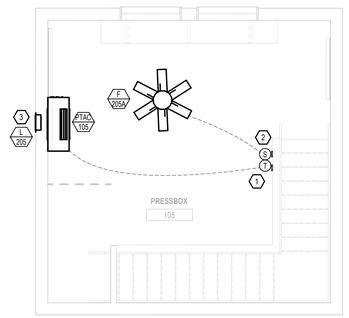

1 M-102 MECHANICAL PLANS - CONCESSION BUILDING - VARSITY

1/4" = 1'-0"

## GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD, AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M-000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDE NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NO GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723 PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEE PREVIOUS STATEMENT.
5. ALL DUCTWORK THROUGH STRUCTURAL SUPPORT COLUMNS AND WALLS TO HAVE HOLE CUT FOR DUCTWORK. COORDINATE EXACT SIZE AND LOCATION WITH STRUCTURAL CONTRACTOR.

| # | KEYNOTES |
|---|---|
| 1 | NEW THERMOSTAT TO CONTROL CORESSPONING MECHANICAL EQUIPMENT. |
| 2 | SWITCH TO CORRESPONDING FANS IN ROOM. |
| 3 | OUTSIDE AIR INTAKE TO BE MOUNTED IN SUCH A WAY TO ALIGN COORESPONDING PTAC CONNECTION. OUTDOOR INTAKE TO BE 10'-0" AWAY FROM ANY EXHAUST DISCHARGE. |




2 M-102 SECOND FLOOR MECHANICAL PLAN - VARSITY

1/4" = 1'-0"



3 M-102 MECHANICAL ROOF PLAN - CONCESSION BUILDING - VARSITY

1/4" = 1'-0"

LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District

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| DRAWN BY | RK |
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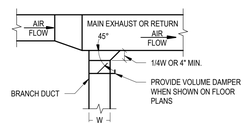
MECHANICAL PLANS - CONCESSION BUILDING - VARSITY

M-102

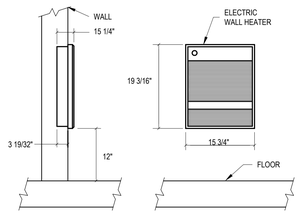
ISSUED FOR REBID




PLAN VIEW

## 1 EXHAUST OR RETURN BRANCH DUCTOWRK DETAIL

M-201 NOT TO SCALE

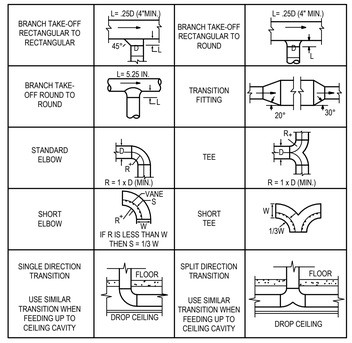



SIDE VIEW FRONT VIEW

**NOTE:**
FEILD VERIFY DINENSIONS OF EXACT UNIT PURCHASED

## 2 ELECTRIC WALL HEATER (RECESSED)

M-201 NOT TO SCALE




## 3 TYPICAL DUCT TAKE-OFFS DETAIL

M-201 NOT TO SCALE

## IMC 2021 VENTILATION SCHEDULE

| ROOM NUMBER | ROOM NAME | FLOOR AREA (SF) | OCCUPANCY CLASSIFICATION | DEFAULT OCCUPANCY (#/1000 SF) | # OF PEOPLE | IMC 2021 REQUIREMENTS | | | | ACTUAL | | | EQUIPMENT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | OA (CFM/PERSON) | OA (CFM/SF) | OA (CFM) | EA (CFM) | SUPPLY (CFM) | OA (CFM) | EXHAUST (CFM) | SUPPLY FAN | EXHAUST FAN |
| 103 | STAIRS | 112 SF | STORAGE (INACTIVE) | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 CFM | 0 | 0 CFM | - | EF-203 |
| 104 | CONCESSION | 216 SF | KITCHENS | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 CFM | 0 | 0 CFM | FC-102 | - |
| 106 | STORAGE | 64 SF | STORAGE ROOMS | 0 | 0 | 0 | 0.12 | 8 | 0 | 0 CFM | 0 | 0 CFM | - | - |
| 108 | WOMEN | 277 SF | TOILET ROOMS - PUBLIC | 0 | 0 | 0 | 0.00 | 0 | 300 | 0 CFM | 0 | 300 CFM | - | EF-211 |
| 109 | CHASE | 97 SF | STORAGE (INACTIVE) | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 CFM | 0 | 0 CFM | - | - |
| 110 | MEN | 277 SF | TOILET ROOMS - PUBLIC | 0 | 0 | 0 | 0.00 | 0 | 300 | 0 CFM | 0 | 300 CFM | - | EF-209 |
| 111 | CONCESSION | 251 SF | KITCHENS | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 CFM | 0 | 0 CFM | FC-207A/FC207B | - |

## GRILLE, REGISTERS, AND DIFFUSER SCHEDULE

| TAG | AIR STREAM | MOUNTING TYPE | INLET SIZE (IN) | FRAME SIZE | | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | | | DIA. | HEIGHT | WIDTH | | | |
| A | EXHAUST | CEILING | 10" | 2' - 0" | 2' - 0" | TITUS | PAR | ALL |

**REMARKS:**
1. PROVIDE WITH MANUAL VOLUME BALANCE DAMPER.
2. REFER TO PLAN FOR FACE AND DUCT SIZE.
4. COORDINATE FRAME STYLES WITH ARCHITECT.
5. COORDINATE COLOR WITH ARCHITECT.

## ELECTRIC INFRARED HEATER

| TAG | LOCATION | MOUNTING TYPE | HEATING CAPACITY (KW) | ELECTRICAL DATA | | | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | V | PH | HZ | | | |
| IH-1 | LOCKER ROOM / DUGOUT | CEILING | 4.0 kW | 208 V | 1 | 60 Hz | QMARK | BRM4581 | ALL |

**REMARKS:**
1. PROVIDE INTERNAL THERMOSTAT AND DISCONNECT.
2. COLOR TO BE DETERMINED AND APPROVED BY AOR.
3. COORDINATE ELEVATION AND LOCATION WITH AOR.
4. HEATER TO BE CEILING MOUNTED

## EXHAUST FAN SCHEDULE

| TAG | TYPE | SERVICE | CFM | ESP (IN W.C.) | MOTOR DATA | | | | WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HP | RPM | V | PH | HZ | | | | |
| EF-108 | EXHAUST FAN | WOMENS 209 | 300 | 0.00 | 0.04 | 1300 | 120 | 1 | 60 | 35 | GREENHECK | SQ-90 | 1-5 |
| EF-110 | EXHAUST FAN | WOMENS 209 | 300 | 0.00 | 0.04 | 1300 | 120 | 1 | 60 | 35 | GREENHECK | SQ-90 | 1-5 |

**REMARKS:**
1. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECTS TO EQUIPMENT.
2. EXHAUST FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. EXHAUST FAN TO BE PROVIDED WITH TIME CLOCK.
3. PROVIDE BACKDRAFT DAMPER AND BIRDSCREEN AT CONNECTION TO EXHAUST FAN OR EXHAUST RISER.
4. MECHANICAL CONTRACTOR TO PROVIDE WITH MOTOR STARTER.
5. EXHAUST FAN TO CONTROL MODULATING DAMPER IN OA DUCT WORK. EXHAUST FAN TURNS ON DAMPER TO OPEN.
6. FANS TO BE CONTROLLED BY LIGHT SWITCH IN ROOM WITH WALL SWITCH OVERRIDE.

## CIRCULATING FAN SCHEDULE

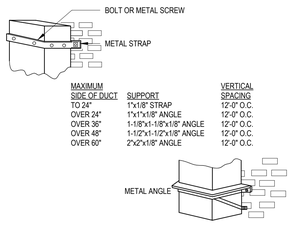
| TAG | TYPE | CFM | MOTOR DATA | | | | WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | HP | V | PH | HZ | | | | |
| F-104 | CEILING FAN | 400 | 0.10 | 120 | 1 | 60 | 20 | MODERN FAN INC | BA-52-AL-NL | ALL |
| F-111A | CEILING FAN | 400 | 0.10 | 120 | 1 | 60 | 20 | MODERN FAN INC | BA-52-AL-NL | ALL |
| F-111B | CEILING FAN | 400 | 0.10 | 120 | 1 | 60 | 20 | MODERN FAN INC | BA-52-AL-NL | ALL |
| F-112A | CEILING FAN | 400 | 0.10 | 120 | 1 | 60 | 20 | MODERN FAN INC | BA-52-AL-NL | ALL |
| F-112B | CEILING FAN | 400 | 0.10 | 120 | 1 | 60 | 20 | MODERN FAN INC | BA-52-AL-NL | ALL |
| F-205A | CEILING FAN | 400 | 0.10 | 120 | 1 | 60 | 20 | MODERN FAN INC | BA-52-AL-NL | ALL |

**REMARKS:**
1. COORDINATE COLOR AND MOUNTING HEIGHT WITH ARCHITECT.
2. ALL FANS IN ROOM TO BE CONTROLLED BY SINGLE CONTROLLER IN ROOM.
3. FANS TO BE CONTROLLED BY SWITCH ON WALL.
4. FANS TO BE ALUMINUM.

## ELECTRIC HEATER SCHEDULE

| TAG | LOCATION | MOUNTING TYPE | AIRFLOW (CFM) | HEATING CAPACITY (KW) | ELECTRICAL DATA | | | WEIGHT | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | V | PH | HZ | | | | |
| EH-100A | CHASE 100 | WALL | 160 CFM | 1.50 kW | 120 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |
| EH-100B | CHASE 100 | WALL | 160 CFM | 1.50 kW | 120 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |
| EH-106 | STORAGE 106 | WALL | 160 CFM | 1.50 kW | 120 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |
| EH-108A | WOMENS 108 | WALL | 160 CFM | 1.50 kW | 120 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |
| EH-108B | WOMENS 108 | WALL | 160 CFM | 3.00 kW | 208 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |
| EH-110A | MENS 211 | WALL | 160 CFM | 1.50 kW | 120 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |
| EH-110B | MENS 211 | WALL | 160 CFM | 3.00 kW | 208 V | 1 | 60 Hz | 25 | QMARK | AWH | 1-4 |

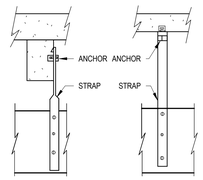
**REMARKS:**
1. PROVIDE INTERNAL THERMOSTAT AND DISCONNECT.
2. COLOR TO BE DETERMINED AND APPROVED BY AOR.
3. COORDINATE ELEVATION AND LOCATION WITH AOR.
4. CABINET HEATER TO BE RECESS MOUNTED IN WALL




| MAXIMUM SIDE OF DUCT | SUPPORT | VERTICAL SPACING |
|---|---|---|
| TO 24" | 1"x1/8" STRAP | 12'-0" O.C. |
| OVER 24" | 1"x1"x1/8" ANGLE | 12'-0" O.C. |
| OVER 36" | 1-1/8"x1-1/8"x1/8" ANGLE | 12'-0" O.C. |
| OVER 48" | 1-1/2"x1-1/2"x1/8" ANGLE | 12'-0" O.C. |
| OVER 60" | 2"x2"x1/8" ANGLE | 12'-0" O.C. |

## 4 DUCT SUPPORT DETAIL

M-201 NOT TO SCALE



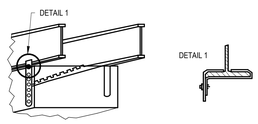

SIZING

| MAXIMUM SIDE OF DUCT | STRAP SIZE | VERTICAL SPACING |
|---|---|---|
| TO 30" | 1"x18" GA. | 10'-0" O.C. |
| OVER 30" | 1"x1/8" | 10'-0" O.C. |

## 5 DUCT SUPPORT DETAIL

M-201 NOT TO SCALE

HORIZONTAL METAL DUCTS SHALL BE SUPPORTED AS REQUIRED BY TABLE NO.10-E (UMC)

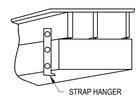



SIZING

| MAXIMUM SIDE OF DUCT TO AND INCLUDING 30" OVER 30" | STRAP SIZE | VERTICAL SPACING |
|---|---|---|
| | 1"x18" GA. | 10'-0" O.C. |
| | 1"x1/8" | 10'-0" O.C. |

## 6 DUCT SUPPORT DETAIL

M-201 NOT TO SCALE

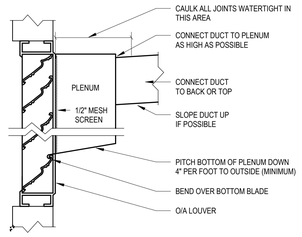



SIZING

| MAXIMUM SIDE OF DUCT TO 30" OVER 30" | STRAP SIZE | VERTICAL SPACING |
|---|---|---|
| | 1"x18" GA. | 10'-0" O.C. |
| | 1"x1/8" | 10'-0" O.C. |

## 7 DUCT SUPPORT DETAIL

M-201 NOT TO SCALE




## 8 DUCT CONNECTION TO WATERPROOF LOUVER

M-201 NOT TO SCALE

## PACKAGED TERMINAL AIR CONDITIONER UNIT SCHEDULE

| TAG | LOCATION | REFRIGERANT DATA | | SEER/EER/IEER | DESIGN AIR TEMPS | | | COOLING CAPACITY | | | | HEATING CAPACITY | | | FAN/MOTOR DATA | | | ELECTRICAL DATA | | | | | | WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SUMMER | | WINTER | GROSS (MBH) | SENSIBLE (MBH) | EAT (DB°F) EAT (WB°F) | LAT (DB°F) LAT (WB°F) | CAPACITY (KW) | MAT (DB°F) | LAT (DB°F) | SA CFM | OA CFM | SUPPLY HP | RET/EXH RA CFM | MCA | MOCP | V | PH | HZ | | | | |
| | | TYPE | CHARGE (LBS) | | DB°F | WB°F | DB°F | | | | | | | | | | | | | | | | | | | | |
| PTAC 104 | CONCESSIONS 104 | R-32 | 1.5 | -/11/- | 95 | 77 | 40 | 14 | 13.3 | 80 67 | 57 54 | 5.0 kW | 50 | 93 | 340 | 52 | 0.25 | 340 | 25 | 30 | 208 | 1 | 60 | 157 | FRIEDRICH | PDH15KK | ALL |
| PTAC 105 | PRESS BOX 205 | R-32 | 1.5 | -/11/- | 95 | 77 | 40 | 14 | 13.3 | 80 67 | 57 54 | 5.0 kW | 50 | 93 | 340 | 52 | 0.25 | 340 | 25 | 30 | 208 | 1 | 60 | 157 | FRIEDRICH | PDH15KK | ALL |
| PTAC 112A | PRESS BOX 212 | R-32 | 1.5 | -/11/- | 95 | 77 | 40 | 14 | 13.3 | 80 67 | 57 54 | 5.0 kW | 50 | 93 | 340 | 52 | 0.25 | 340 | 25 | 30 | 208 | 1 | 60 | 157 | FRIEDRICH | PDH15KK | ALL |

**REMARKS:**

1. PROVIDE MANUFACTURER'S STANDARD METAL WALL SLEEVE AND OUTDOOR GRILLE.
2. PROVIDE MANUFACTURE REQUIRED THERMOSTAT. CONTROL CONTRACTOR TO INSTALL.
3. PROVIDE WITH SUB-BASE KIT, ELECTRICAL DISCONNECT, CONDENSATE DRAIN KIT, AND ELECTRIC AUXILIARY HEATER.
4. PROVIDE MODULATING OA GRILLE. COORDINATE EXACT STYLE WITH ARCHITECT.
5. CONDENSATE TO DROP DOWN FLOOR BELOW THROUGH SUB BASE.

## MINI SPLIT INDOOR UNIT SCHEDULE

| TAG | ASSOCIATED OUTDOOR UNIT | LOCATION | SUMMER | | WINTER | COOLING CAP. | | HEATING CAP. | FAN/MOTOR DATA | ELECTRICAL DATA | | | | | WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DB°F | WB°F | DB°F | GROSS (MBH) | SENSIBLE (MBH) | CAPACITY (MBH) | SUPPLY SA (CFM) | MCA | MOCP | V | PH | HZ | | | | |
| FC 111A | CU 207A | CONCESSIONS 207 | 95 | 75 | 40 | 24.5 | 21.2 | 25.3 | 650 | 1.0 | 15 | 208 | 1 | 60 | 30 | LG | KNSAC241A | ALL |

**REMARKS:**

1. MOUNT INDOOR UNIT 12" BELOW CEILING STRUCTURE WITH CEILING EXPOSED KIT MATCHING UNIT COLOR. PROVIDE WITH MOUNTING BRACKETS/SUPPORTS AS NEEDED.
2. PROVIDE LOW AMBIENT ACCESSORY ON AIR COOLED CONDENSER.
3. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.
4. MAINTAIN MANUFACTURER'S MINIMUM CLEARANCES.
5. PROVIDE LIQUID AND GAS SIDE PIPING PER MANUFACTURER'S RECOMMENDATIONS WITH 1/2" FOAM INSULATION.
6. INDOOR UNIT POWERED OFF OUTDOOR UNIT.
7. PROVIDE WITH CONDENSATE PUMP.

## MINI SPLIT OUTDOOR UNIT SCHEDULE

| TAG | INDOOR UNIT SERVED | REFRIGERANT | | EER2 / SEER2 | COOLING DATA | | HEATING DATA | | ELECTRICAL DATA | | | | | UNIT WEIGHT (LBS) | MANUFACTURER | MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TYPE | CHARGE (LBS) | | OA (DB°F) | CAPACITY (MBH) | OA (DB F) | HEATING MBH | MCA | MOCP | V | PH | HZ | | | | |
| CU 111A | FC 207A | R-32 | 2.4 | 12.3/20 | 95 | 21.2 | 40 °F | 22 | 15 | 20 | 208 | 1 | 60 | 102 | LG | KUSAC241A | ALL |

**REMARKS:**

1. ELECTRICAL CONTRACTOR TO PROVIDE NEMA RATED DISCONNECT SWITCH.
2. MAINTAIN MANUFACTURER'S MINIMUM CLEARANCES.
3. PROVIDE LIQUID AND GAS SIDE PIPING PER MANUFACTURER'S RECOMMENDATIONS WITH 1/2" FOAM INSULATION.
4. MOUNT OUTDOOR UNIT PER MANUFACTURER'S INSTRUCTION. PROVIDE MOUNTING PAD.
5. INDOOR UNIT POWERED OFF OUTDOOR UNIT.
6. PROVIDE WITH WALL MOUNT RAILS FOR SIDE WALL MOUNTING.


LEGAT ARCHITECTS
Design with a Difference

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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
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PROJECT NUMBER 226057.00
DATE OF ISSUE 08.04.2026
DRAWN BY RK
REVIEWED BY MB

MECHANICAL SCHEDULES AND DETAILS

# M-201

ISSUED FOR REBID

## ELECTRICAL ABBREVIATIONS:

| | |
|---|---|
| A | AMPS |
| A/E | ARCHITECT/ENGINEER |
| ABV | ABOVE |
| AC | ABOVE COUNTER |
| ACP | ACCESS CONTROL PANEL |
| ACPS | ACCESS CONTROL POWER SUPPLY |
| ACS | ACCESS CONTROL SYSTEM |
| AF | AMP FRAME |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AIC | AVAILABLE INTERRUPTING CURRENT |
| ALT | ALTERNATE |
| ALT SW | ALTERNATOR SWITCH |
| ARCH | ARCHITECT |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AV | AUDIO-VISUAL |
| BC | BELOW COUNTER |
| BFG | BELOW FINAL GRADE |
| BKR | BREAKER |
| BLDG | BUILDING |
| BOL | BUILT-IN OVERLOAD |
| BPC | BOLTED PRESSURE CONTACT SWITCH |
| CATV | CABLE TELEVISION |
| CB | CIRCUIT BREAKER |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CKT | CIRCUIT |
| CLG | CEILING |
| CP | CONTROL PANEL |
| CS | COMBINATION STARTER |
| CT | CURRENT TRANSFORMER |
| CTRL | CONTROLLER |
| DE | DUAL ELEMENT FUSES |
| DIR | DIRECT |
| DISC | DISCONNECT |
| DN | DOWN |
| EC | ELECTRICAL CONTRACTOR |
| ELEV | ELEVATION REFERENCE |
| EM | EMERGENCY |
| EMT | ELECTRIC METALLIC TUBING |
| ENT | ELECTRICAL NON-METALLIC TUBING |
| EOL | END OF LINE RESISTOR |
| EP | EXPLOSION PROOF |
| EQUIP | EQUIPMENT |
| EWC | ELECTRIC WATER COOLER |
| F | FUSE |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| FAC | FIRE ALARM CABINET |
| FACP | FIRE ALARM CONTROL PANEL |
| FBO | FURNISHED BY OTHERS |
| FDR | FEEDER |
| FIXT | FIXTURE |
| FLA | FULL LOAD AMPS |
| FLR | FLOOR |
| FLUOR | FLUORESCENT |
| FS | FLOW SWITCH |
| FVNR | FULL VOLTAGE NON-REVERSING |
| GC | GENERAL CONTRACTOR |
| GFI | GROUND FAULT INTERRUPTER |
| GRC | GALVANIZED RIGID CONDUIT |
| GRD | GROUND |
| GYP | GYPSUM BOARD |
| HID | HIGH INTENSITY DISCHARGE |
| HOA | HAND-OFF-AUTO SWITCH |
| HP | HORSEPOWER |
| HPS | HIGH PRESSURE SODIUM |
| HV | HIGH VOLTAGE |
| HVAC | HEATING & VENTILATING - AIR CONDITIONING |
| HVC | HEATING VENTILATING CONTRACTOR |
| HW | HEAVYWALL |
| ICP | INTERCOM CONTROL PANEL |
| ICPS | INTERCOM POWER SUPPLY |
| ID | INDIRECT |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| IL | INTERLOCK |
| IMC | INTERMEDIATE METAL CONDUIT |
| INC | INCANDESCENT |
| IU | IN UNIT |
| J-BOX | JUNCTION BOX |
| LCP | LIGHTING CONTROL PANEL |
| LG | LAY-IN GRID |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| LVT | LINE VOLTAGE THERMOSTAT |
| MAG | MAGNETIC STARTER |
| MAN | MANUAL STARTER |
| MCC | MOTOR CONTROL CENTER |
| MDF | MAIN DISTRIBUTION FRAME |
| MDP | MAIN DISTRIBUTION PANEL |
| MFR | MANUFACTURERR |
| MLO | MAIN LUGS ONLY |
| MSB | MAIN SWITCHBOARD |
| MTD | MOUNTED |
| NIC | NOT IN CONTRACT |
| NU | NEAR UNIT |
| OU | ON UNIT |
| P | POLE |
| PB | PUSH BUTTON |
| PC | PHOTO CONTROL |
| PCP | PAGING CONTROL PANEL |
| PCPS | PAGING CONTROL POWER SUPPLY |
| PE SW | PNEUMATIC SWITCH |
| PEND | PENDANT |
| PLBG | PLUMBING CONTRACTOR |
| PNL | PANEL |
| R | RELAY |
| REC | RECESS |
| RECEPT | RECEPTACLE |
| RM | ROOM |
| RVS | REDUCED VOLTAGE STARTING |
| S | SPLINE |
| SDB | SUB-DISTRIBUTION BOARD |
| SEL SW | SELECTOR SWITCH |
| SP SW | SPEED SWITCH |
| SURF | SURFACE |
| SW | SWITCH |
| T-STAT | THERMOSTAT |
| TC | TIME CLOCK |
| TCC | TEMPERATURE CONTROL CONTRACTOR |
| TCP | TEMPERATURE CONTROL PANEL |
| TS | TAMPER SWITCH |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UNIV | UNIVERSAL |
| USS | UNIT SUBSTATION |
| VS | VIDEO SURVEILLANCE |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |

## SYMBOL LIST NOTE:

MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT TO BE MEASURED FROM FLOOR TO CENTERLINE OF DEVICE. DEVICES EXTENDING GREATER THAN 4" FROM THE WALL SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 80" AFF TO BOTTOM OF DEVICE.

## PANELS:

'XXX' 'XXX' — ELECTRICAL PANEL - SURFACE / RECESSED

## EQUIPMENT CABINETS:

WITHOUT DOOR - SURFACE / RECESSED

WITH DOOR - SURFACE / RECESSED

DENOTES THE FOLLOWING
(MLCC) MUSCO LIGHTING CONTROL CABINET

## POWER:

DUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

XXX DENOTES THE RECEPTACLE TYPE OR EQUIPMENT SERVED
(WP) WEATHERPROOF WITH GFI RECEPTACLE

X DENOTES CIRCUIT NUMBER (SEE PANEL BOUNDARIES)

DUPLEX RECEPTACLE - GFCI (INDICATED BY CENTER HATCH) - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - GFCI - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

DUPLEX RECEPTACLE - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

NON NEMA 5-20R RECEPTACLE

FLOOR MOUNTED ELECTRICAL BOX

PP — POWER POLE.

DISCONNECT SWITCH

FUSED DISCONNECT SWITCH

METER SOCKET

T-XX T-XX — TRANSFORMER. WALL / FLOOR MOUNTED

INDICATES TRANSFORMER MOUNTED ON EQUIPMENT PAD

J — JUNCTION BOX

PULL BOX

GROUND ROD

MARK / X / X / NUMBER — EQUIPMENT TAG

6 — MOTOR CONNECTION

## TECHNOLOGY:

FREE STANDING ENCLOSED FRAME DATA CABINET.
FLOOR MOUNTED / WALL MOUNTED.
(HEAVY LINE INDICATES FRONT OF CABINET)

## SECURITY:

S S — SECURITY CAMERA - CEILING / WALL

## LIGHTING:

NOTE: SHADING ANY OF THE LIGHTING FIXTURE INDICATES UNIT IS WIRED TO AN EMERGENCY OR NIGHT LIGHTING CIRCUIT.

CEILING MOUNTED FIXTURE - SURFACE / RECESSED

1a A

FIXTURE DESIGNATION (SEE SCHEDULE)

SWITCH LEG. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR

CIRCUIT NUMBER (SEE PANEL BOUNDARIES)

STRIP LIGHT FIXTURE

POLE MOUNTED FIXTURE

WALL MOUNTED FIXTURE - SURFACE / RECESSED

GROUND MOUNTED FIXTURE - BOLLARD / FLOOD OR ACCENT

## SWITCHING DEVICES:

NOTE: ALL SWITCHING DEVICES SHALL BE MOUNTED AT 44" AFF, UNLESS OTHERWISE NOTED.

X $ XX

SINGLE POLE TOGGLE SWITCH

XX DENOTES THE FOLLOWING
(3W) 3 WAY
(K) KEY OPERATED

X DENOTES SWITCH DESIGNATION (LOWER CASE)

OS — OCCUPANCY SENSOR.

VS — VACANCY SENSOR.

## GENERAL:

## — REFERENCE NOTE SYMBOL

DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

DETAIL NUMBER / SHEET NUMBER — BUILDING ELEVATION

DETAIL NUMBER / SHEET NUMBER — CALLOUT BOUNDARY

DETAIL NUMBER / SHEET NUMBER — VIEW REFERENCE CALLOUT

+X" - X" — MOUNTING HEIGHT DESIGNATION

## GENERAL NOTES

1. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE 2020 NEC AND THE LATEST REQUIREMENTS OF ALL CODES AND REGULATIONS.
2. THE CONTRACTOR PROPOSING TO PERFORM THE ELECTRICAL WORK SHALL VISIT THE JOB SITE AND FULLY INFORM THEMSELVES OF ALL CONDITIONS THAT AFFECT THE WORK, OR COST THEREOF, AND EXAMINE THE DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING HIS BID.
3. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS PRIOR TO COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.
5. EC SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THE ENTIRE PROJECT AND COORDINATE ALL POWER, LIGHTING, FIRE ALARM, TELEPHONE, AND DATA REQUIREMENTS WITH ALL TRADES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONSULT ALL TRADES AND ARCHITECT/ENGINEER WITH ANY POTENTIAL CONFLICTS, AND PROVIDE ALL ADJUSTMENTS, AND/OR ADDITIONAL REQUIRED CONDUIT/WIRE/EQUIPMENT TO MEET THE BASIS OF DESIGN AND PROPER FUNCTIONS OF BUILDING EQUIPMENT.
6. CONTRACTOR SHALL COORDINATE ALL FURNITURE EQUIPMENT CONNECTIONS AND LOCATIONS WITH OTHER TRADES, ELEVATION DRAWINGS, MILLWORK, AND SHOP DRAWINGS PRIOR TO THE ELECTRICAL INSTALLATION. THE ELECTRICAL CONTRACTOR SHALL ADJUST THE ELECTRICAL DEVICES OR CONNECTIONS AS REQUIRED FOR FINAL LOCATIONS AND CONNECTION REQUIREMENTS.
7. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS MUST BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.
8. COORDINATE WORK WITH OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.
9. CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL LUMINAIRES, LIGHTING CONTROLS, AND FIRE ALARM DEVICES WITH DUCTS, DIFFUSERS, PIPING, FIRE PROTECTION, EQUIPMENT, MECHANICAL UNITS, AND ARCHITECTURAL CEILING. LUMINAIRE LOCATIONS SHALL TAKE PRECEDENT IN LOCATION AND OTHER TRADES SHALL ADJUST SCOPE ACCORDINGLY. ALL LUMINAIRES, LIGHTING CONTROLS, AND FIRE ALARM DEVICES SHALL BE INSTALLED CENTERED IN CEILING TILE. FIRE ALARM DETECTION DEVICES AND OCCUPANCY SENSORS SHALL NOT BE INSTALLED WITHIN 3 FEET TO AN HVAC DIFFUSER OR GRILLE.
10. CONDUIT RUNS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. ALL CONDUITS SHALL RUN CONCEALED, EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY ARCHITECT.
11. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.
12. POWER AND DATA DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED.
13. ALL RECEPTACLES, TELEPHONE, AND DATA OUTLETS SHALL BE MOUNTED 18 " AFF AND MOUNTED FLUSH IN WALL, UNLESS OTHERWISE NOTED. ALL DEVICES AND COVERPLATES SHALL BE PROVIDED AS NEW UNLESS NOTED OTHERWISE.
14. ALL FIRE ALARM NOTIFICATION DEVICES SHALL BE MOUNTED 80 " AFF, UNLESS OTHERWISE NOTED. ALL FIRE ALARM PULL STATIONS SHALL BE MOUNTED AT 42 " AFF, UNLESS NOTED OTHERWISE.
15. DETERMINE, IN PRIOR TO PURCHASE, THAT ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL FIT INTO THE ROOM OR SPACE ALLOCATED, AS INDICATED ON THE DRAWINGS, ALLOWING SUFFICIENT CLEARANCE FOR THE SAFE SERVICE AND/OR MAINTENANCE OF RELATED EQUIPMENT, INCLUDING THAT OF OTHER TRADES.
16. COMMUNICATIONS BACKBONE AND HORIZONTAL CABLING TO BE BY EC. NETWORK EQUIPMENT, RACKS, SWITCHES, ETC SHALL BE SUPPLIED BY OWNER.
17. CONDUCTORS SUPPLYING CIRCUITS SHALL NOT BE LESS THAN #12 AWG COPPER FOR ANY CIRCUIT.
18. AT THE COMPLETION OF THE JOB, IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO TURN OVER TO THE BUILDING MANAGER AN AS-BUILT-DRAWING IN REPRODUCIBLE FORM. THESE DRAWINGS DO NOT HAVE TO BE MADE FROM SCRATCH. THE ENGINEER'S REFLECTED CEILING AND ELECTRICAL/TELEPHONE PLANS MAY BE USED AS BACKGROUND WITH THE ACTUAL CIRCUITING CHANGES ADDED.
19. EC SHALL PROVIDE J-BOX AND 3/4"C FOR MECHANICAL THERMOSTAT + CONTROLS. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
20. ALL DATA, VOICE, AND ACCESS POINT CABLING SHALL BE CAT 6A. CABLE TERMINATION JACKS TO BE COLOR-CODED PER MOLINE SCHOOL DISTRICT'S STANDARDS.
21. ALL FLOOR BOXES ARE TO BE FULLY RECESSED AND LEVEL WITH THE FLOOR.
22. ALL EXTERIOR RECEPTACLES ARE TO HAVE METAL COVERS.
23. EC SHALL UPSIZE WIRE AND CONDUIT AS REQUIRED FOR VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH A MAXIMUM OF A 3% VOLTAGE DROP, AND FEEDERS SHALL BE INSTALLED WITH A MAXIMUM OF 2% VOLTAGE DROP. NO ELECTRICAL CIRCUITS SHALL EXCEED A VOLTAGE DROP OF MORE THAN 5%.
24. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS A CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
25. TYPE MC CABLE SHALL BE INSTALLED FROM BRANCH CIRCUITS IN CONCEALED LOCATIONS WITHIN THE SPACE THAT THE LIGHTING, EQUIPMENT, AND/OR RECEPTACLE DEVICES IT SERVES ARE LOCATED, UNLESS NOTED OTHERWISE. ALL HOMERUNS SHALL BE IN CONDUIT.

## GENERAL DEMOLITION NOTES

1. EACH CONTRACTOR SHALL REVIEW THE EXISTING SYSTEMS IN THE FIELD ALONG WITH BID DOCUMENTS & DETERMINE SELECTIVE DEMO & ADDITION OF TEMPORARY SYSTEMS (IF REQUIRED) TO MAKE PHASED DEMO & PROPOSED REMODELING. IT SHALL ASSURE UNINTERRUPTED SAFE OPERATION OF AREAS THAT ARE AFFECTED BY DEMO & ADDITION OF PROPOSED SYSTEMS AT ALL TIMES. INCLUDE THE NECESSARY WORK TO ACCOMPLISH THIS & COORDINATE PHASING ACCORDINGLY.
2. CONFIRM WITH THE MANUFACTURERS OF EXISTING EQUIPMENT THAT IS TO BE REUSED OR EXTENDED THAT IT IS IN GOOD WORKING ORDER.
3. WHERE EXISTING ELECTRICAL WORK PREVENTS PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, REROUTE, RELOCATE, OR IN OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE.
4. WHERE EXISTING CONDUIT, WIRE, SUPPORTS, HANGERS & OTHER ELECTRICAL WORK MUST BE REMOVED AS A RESULT OF THE ALTERATIONS, THEY SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST OUTLET WHICH IS LEFT UNAFFECTED BY THE DEMOLITION. CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLY POSITIONED MAY BE ABANDONED. IN SUCH CASES, WIRE SHALL BE PULLED OUT & THE CONDUIT SHALL BE PLUGGED AT EACH END.
5. EXISTING ELECTRICAL MATERIALS AND EQUIPMENT, INCLUDING WAP, CLOCKS, FIRE ALARM NOTIFICATION AND DETECTION DEVICES, SECURITY CAMERAS, AND SECURITY EQUIPMENT. LIGHT FIXTURES, SWITCHES, SPEAKERS, INTERCOM EQUIPMENT, CONTROLS, CONDUIT OUTLETS, FITTINGS, AND OTHER DEVICES REMOVED AS A RESULT OF THE DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER (UNLESS OTHERWISE INDICATED) AND SHALL BE REUSED WHERE INDICATED.
6. EXAMINE THE CONDITION OF ANY MATERIALS AND EQUIPMENT TO MAKE A PRIOR DETERMINATION OF WHETHER IT IS SUITABLE FOR REUSE. PRESENT FINDINGS TO THE ENGINEER WHO WILL IN TURN MAKE THE FINAL DECISION REGARDING REUSABILITY. ALL WIRE AND CABLE FOR REUSED AND RELOCATED EQUIPMENT SHALL BE NEW.
7. IN ORDER TO COORDINATE THE WORK OF THE MECHANICAL AND ELECTRICAL TRADES, REMOVE EXISTING ELECTRICAL WORK IN AND ABOVE CEILING OF THESE AREAS (AS REQUIRED), AFTER WHICH, INSTALL NEW WORK AND REINSTALL EXISTING WORK TO REMAIN, AS SHOWN ON THE DRAWINGS. EXISTING MATERIALS AND EQUIPMENT SHALL BE REUSED ONLY WHERE INDICATED.
8. SOME EXCEPTIONS MAY ARISE WHEREIN EQUIPMENT, EITHER IN ALTERED AREAS OR OTHER AREAS, MUST BE KEPT IN SERVICE, REQUIRING THAT FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SERVING SAME ALSO BE KEPT IN SERVICE. IN SUCH CASES, THOSE ELECTRICAL FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SHALL BE REROUTED & RECONNECTED BEFORE PRESENT WORK IS REMOVED. IF THIS IS NOT POSSIBLE, TEMPORARY WIRING SHALL BE PROVIDED, AFTER WHICH NEW WORK SHALL BE INSTALLED & TEMPORARY WIRING REMOVED.
9. ANY ELECTRICAL EQUIPMENT THAT IS TAGGED TO BE DISPOSED OF SHALL BE DONE PER APPROVED METHOD IN ACCORDANCE WITH THE CONSTRUCTION PLAN & LOCAL AUTHORITIES.
10. THIS DRAWING SHOWS A REPRESENTATIVE SAMPLE OF DEMOLITION WORK THAT IS TO TAKE PLACE. NOTE THAT NOT EVERY DEVICE AND CONDUIT ETC. REQUIRED TO BE DEMOLISHED IS NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE HIMSELF WITH THE EXTENT OF EXISTING WORK TO BE DEMOLISHED.
11. ALL PROPOSED DEMOLITION WORK SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER TRADES.
12. DISCONNECT & REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES AND CONDUITS IN WALLS, FLOORS & CEILING SCHEDULED FOR DEMOLITION.
13. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS, FEEDERS AND BRANCH CIRCUITS PASSING THROUGH RENOVATED AREA AND SERVING UNDISTURBED AREAS.
14. ANY PORTION OF THE EXISTING CONDUIT SYSTEM THAT IS TO BE REUSED OF THE NEW INSTALLATION SHALL BE CHECKED TO ENSURE THAT IT IS CLEAN, FREE OF DAMAGE, FREE OF CORROSION AND ADEQUATELY SUPPORTED.
15. EXISTING ELECTRICAL SYSTEM IS DESCRIBED BASED ON SURVEYS OF EXISTING CONDITIONS THAT ARE VISIBLE DURING THE DESIGN PHASE. CONTRACTOR SHALL CONFIRM ALL SERVICES PRIOR TO PROCEEDING WITH DEMOLITION.
16. PATCH ALL HOLES IN SLABS, WALLS & CEILINGS WHERE ELECTRICAL DEVICES AND/OR CONDUIT ARE REMOVED. IF THE REMOVAL OF CONDUIT, BOXES, EQUIPMENT, ETC. COMPROMISES THE FIRE RATING OF THESE ITEMS, THE CONTRACTOR SHALL SEAL OPENINGS WITH CODE APPROVED FIRE STOPPING MATERIAL.
17. CONTRACTOR IS TO PERFORM DEMOLITION WORK IN A NEAT, SKILLFUL & CAREFUL MANNER SO AS NOT TO DAMAGE OR DEFACE EXISTING CONSTRUCTION THAT IS TO REMAIN.
18. WHERE FEEDERS OR BRANCH CIRCUITS ARE DISCONNECTED AND REMOVED FROM EXISTING PANEL BOARDS, CONTRACTOR SHALL MARK THE AFFECTED BREAKERS IN THOSE PANEL BOARDS AS "SPARE." INSTALL NEW KNOCK-OUT BLANK INSERT IN PANEL BOX.
19. VERIFY THAT REMOVAL OF DEVICES IN RENOVATED AREA DOES NOT AFFECT DEVICES IN OTHER AREAS THAT MAY BE FED FROM THE CIRCUIT BEING DISCONNECTED.
20. PROVIDE ADDITIONAL CABLE AND/OR CONDUIT AND WIRE AS REQUIRED FOR EXISTING TO REMAIN DEVICES TO REMAIN FULLY OPERATIONAL AFFECTED BY DEVICES SCHEDULED TO BE REMOVED AND/OR RELOCATED. NEW CONDUIT AND WIRE CHARACTERISTICS SHALL MATCH EXISTING.


LEGAT ARCHITECTS
Design with a Difference

Moline - Coal Valley School District


# BASEBALL & SOFTBALL COMPLEX RENOVATION


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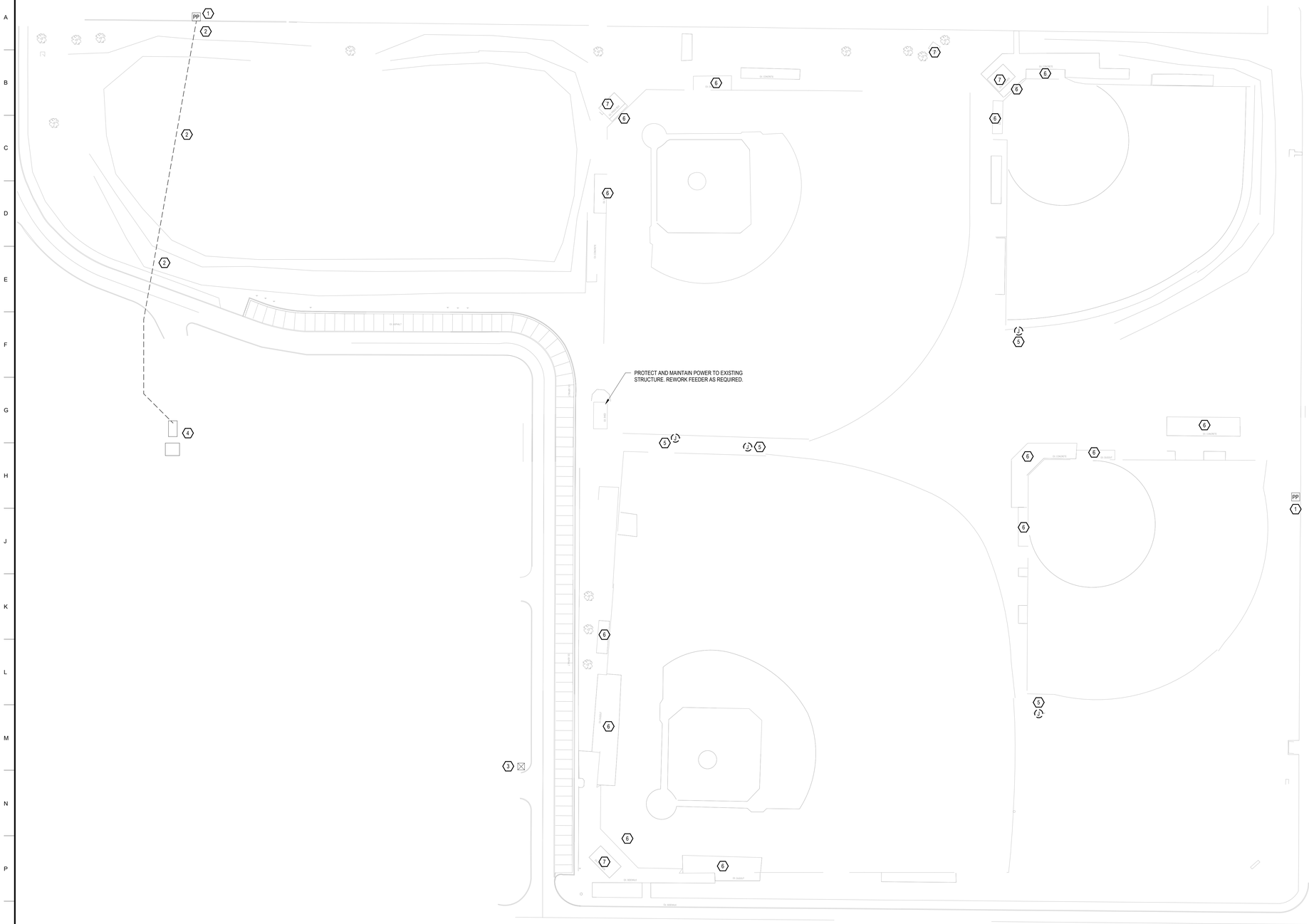
| DRAWN BY | CM |
| REVIEWED BY | JV |

ELECTRICAL GENERAL NOTES AND SYMBOLS

# E-000

ISSUED FOR REBID




1 ED-100 ELECTRICAL SITE DEMOLITION PLAN
1" = 40'-0"

## GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. COORDINATE ALL SITE WORK WITH CIVIL CONTRACTOR. COORDINATE ALL CONDUIT ROUTING WITH THE CIVIL PLANS.
4. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, AND/OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN ON DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
5. UTILITY POINTS OF SERVICE AND WORK/MATERIAL SHOWN ARE BASED UPON PRELIMINARY INFORMATION ONLY BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.
6. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIAL REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL WIRES, CABLES, PULL-BOXES, CONCRETE ENCASEMENT OF CONDUITS, TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING AND BACKFILL, AND PAY ALL UTILITY CO. FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.
7. ALL EXISTING ELECTRICAL WORK AND ASSOCIATED RACEWAY AND WIRING WHICH HAS BEEN MADE OBSOLETE BY THE WORK AND/OR IS SHOWN DASHED ON THE ELECTRICAL DEMOLITION DRAWINGS, SHALL BE DISCONNECTED AND REMOVED, UNLESS NOTED. ALTHOUGH AN ATTEMPT HAS BEEN MADE TO INDICATE ALL OF THIS WORK, TOTAL ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIBLY EXAMINE ALL AREAS AND WALLS AND CEILING SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN. CONTRACTOR SHALL RETURN ALL EXISTING, NON-RELOCATED, ELECTRICAL ITEMS IN WORKING CONDITION TO OWNER WHICH HAVE BEEN MADE OBSOLETE BY DEMOLITION WORK.
8. ALL REMOVED EXISTING ELECTRICAL DEVICES AND FIXTURES DEEMED TO BE IN GOOD WORKING CONDITION SHALL BE RETURNED TO OWNER.
9. ALL LIGHT FIXTURES ARE EXISTING UNLESS SPECIFIED OTHERWISE.

| # | KEYNOTES |
|---|---|
| 1 | APPROXIMATE LOCATION OF EXISTING UTILITY RISER POLE. |
| 2 | APPROXIMATE EXISTING CUSTOMER OWNED 13.8 KV PRIMARY FEEDER ROUTING FROM EXISTING RISER UTILITY POLE TO EXISTING TO REMAIN MV SWITCHGEAR. EC TO PROTECT AND MAINTAIN LINE THROUGHOUT CONSTRUCTION. |
| 3 | EXISTING HANDHOLE BOX WITH DATA AND CONDUIT TO HIGH SCHOOL BUILDING DISTRICT IT AREA. |
| 4 | APPROXIMATE LOCATIONS OF EXISTING DISTRICT OWNED MV SWITCHGEAR AND TRANSFORMER TO REMAIN. |
| 5 | DISCONNECT POWER/DATA FROM EXISTING SCOREBOARD. REMOVE POWER/DATA BACK TO SOURCE. |
| 6 | DISCONNECT AND REMOVE POWER FROM DUGOUTS AND FIELD BACK TO SOURCE. |
| 7 | DISCONNECT FEEDER TO EXISTING BUILDING BEING REMOVED. REMOVE FEEDER BACK TO SOURCE. |

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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
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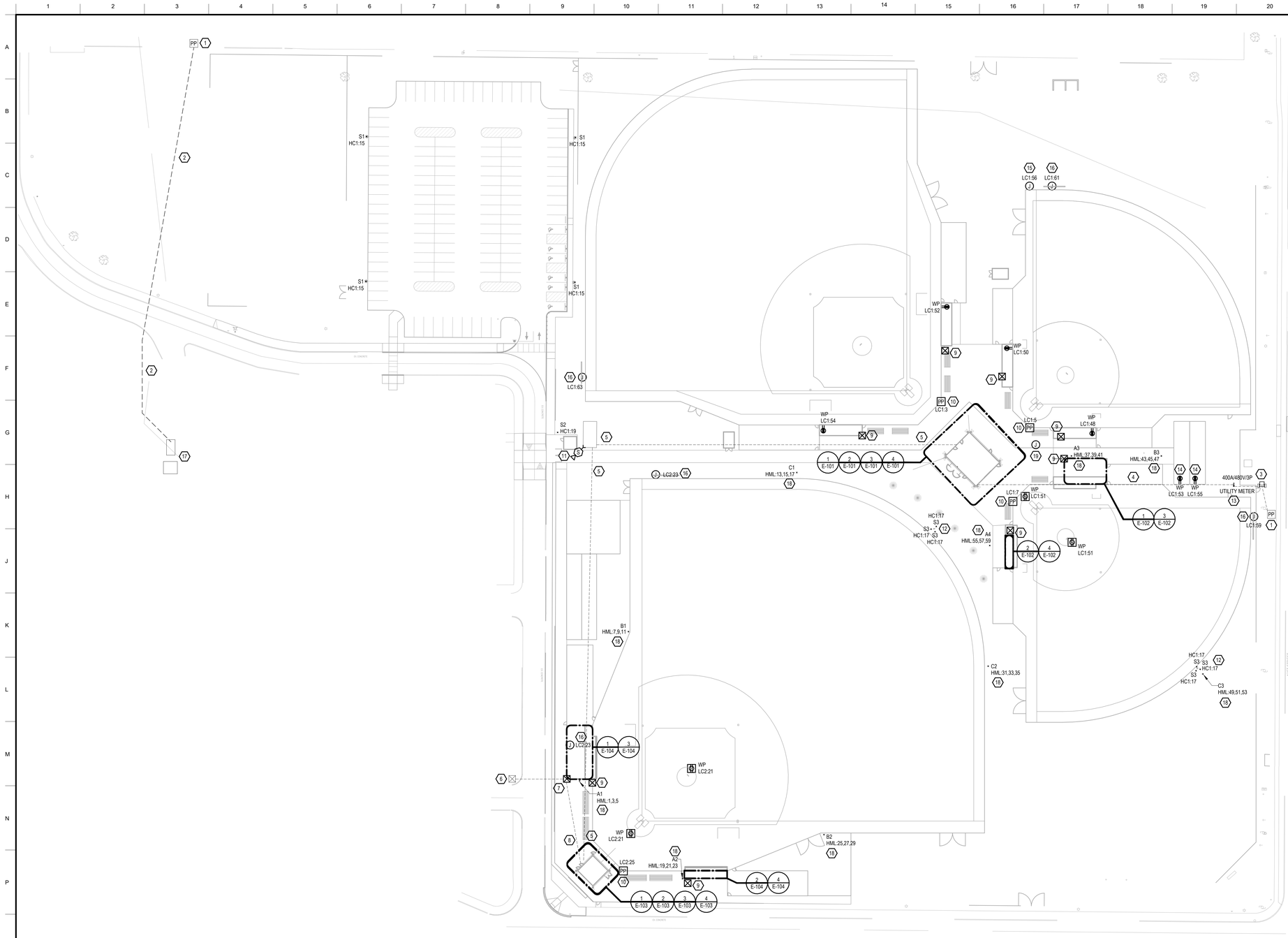
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CM |
| REVIEWED BY | JV |

ELECTRICAL SITE DEMOLITION PLAN

# ED-100

ISSUED FOR REBID

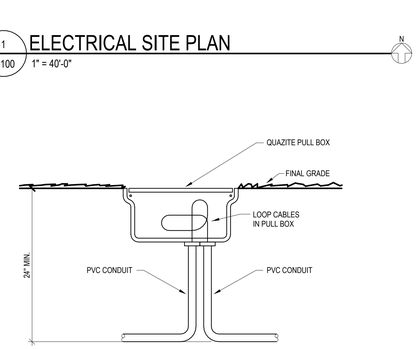



## GENERAL NOTES:

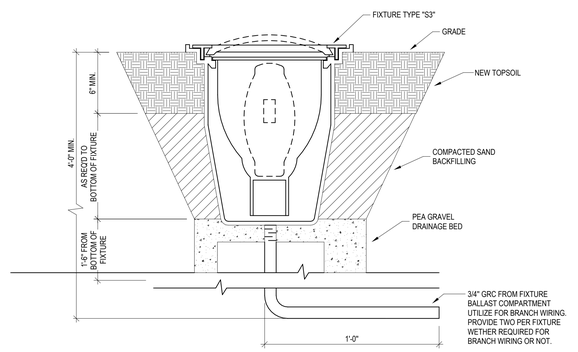
1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. COORDINATE ALL SITE WORK WITH CIVIL CONTRACTOR. COORDINATE ALL CONDUIT ROUTING WITH THE CIVIL PLANS.
4. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, AND/OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN ON DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
5. UTILITY POINTS OF SERVICE AND WORK/MATERIAL SHOWN ARE BASED UPON PRELIMINARY INFORMATION ONLY BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.
6. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIAL REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL WIRES, CABLES, PULL-BOXES, CONCRETE ENCASEMENT OF CONDUITS, TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING AND BACKFILL, AND PAY ALL UTILITY CO. FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.
7. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA-3R).
8. MINIMUM CONDUIT SIZE SHALL BE 1" UNLESS NOTED OTHERWISE.
9. ALL SITE BRANCH CIRCUITS SHALL INCLUDE A NEC SIZED EQUIPMENT GROUND CONDUCTOR.
10. EC SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS FOR RATED WALL INSTALLATION REQUIREMENTS, MOUNTING HEIGHTS, AND FINAL FIXTURE ORIENTATION PRIOR TO INSTALL.
11. ALL LIGHT FIXTURES ARE NEW UNLESS SPECIFIED OTHERWISE.
12. EC TO PROVIDE 1" SCHEDULE 40 PVC CONDUIT WITH MINIMUM #10AWG CONDUCTORS FOR ALL UNDERGROUND SITE LIGHTING.
13. MUSCO LIGHTING FINAL PLACEMENT, MOUNTING, DISTRIBUTION, AND CONTROLS TO BE COORDINATED WITH MUSCO.

| # | KEYNOTES |
|---|---|
| 1 | APPROXIMATE LOCATION OF EXISTING UTILITY RISER POLE. |
| 2 | APPROXIMATE EXISTING CUSTOMER OWNED 13.8 KV PRIMARY FEEDER ROUTING FROM EXISTING RISER UTILITY POLE TO EXISTING TO REMAIN MV SWITCHGEAR. EC TO PROTECT AND MAINTAIN LINE THROUGHOUT CONSTRUCTION. |
| 3 | APPROXIMATE LOCATION OF NEW UTILITY TRANSFORMER. EC TO COORDINATE NEW SERVICE REQUIREMENTS WITH UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK. COORDINATE WORK WITH CIVIL CONTRACTOR. PROVIDE BOLLARDS AS REQUIRED PER UTILITY COMPANY AND TRAFFIC PROTECTION. COORDINATE FINAL PLACEMENT WITH FENCING AND UTILITY PROVIDER. |
| 4 | EC TO COORDINATE EQUIPMENT ROUTING WITH CIVIL CONTRACTOR, ARCHITECT, AND OWNER PRIOR TO UNDERGROUND ROUTING. |
| 5 | EC TO COORDINATE EQUIPMENT ROUTING WITH CIVIL CONTRACTOR, ARCHITECT, AND OWNER PRIOR TO UNDERGROUND ROUTING. FOR POWER CONDUIT, REFER TO 1/E-200 NEW ONE LINE DIAGRAM FOR MORE INFORMATION. FOR DATA, INCLUDE (2) 2" CONDUITS BETWEEN EXISTING BUILDING AND CONCESSION STANDS. |
| 6 | EXISTING HANDHOLE BOX WITH DATA AND CONDUIT TO HIGH SCHOOL BUILDING DISTRICT IT AREA. |
| 7 | PROVIDE HANDHOLE PULL BOX AND 2"C FOR DATA FROM IT ROOM IN D-WING OF THE HIGH SCHOOL. PROVIDE 2"C TO IT RACK IN CONCESSION BUILDING. |
| 8 | EC TO COORDINATE EQUIPMENT ROUTING WITH CIVIL CONTRACTOR, ARCHITECT, AND OWNER PRIOR TO UNDERGROUND ROUTING. RUN DATA FROM EXISTING HS BUILDING TO VARSITY BASEBALL CONCESSION STANDS. PROVIDE ROUGH-INS FOR POINT TO POINT FROM VARSITY BASEBALL BUILDING TO MAIN CONCESSION BUILDING. |
| 9 | HANDHOLE PULL BOX. PROVIDE 1" EMPTY CONDUIT WITH PULL STRING BACK TO NEAREST 120V PANEL AND 1-1/4" EMPTY CONDUIT WITH PULL STRING FOR DATA BACK TO NEAREST DATA RACK. |
| 10 | EC TO PROVIDE POWER AND DATA FOR VIDEO. FOR POWER, PROVIDE 2#8AWG CU + 1#10 AWG CU GND IN 1"C. FOR DATA, PROVIDE 2"C WITH DATA CABLE. COORDINATE EXACT CONDUIT LOCATION WITH EQUIPMENT AND OWNER DESIRED EQUIPMENT LOCATION. POWER AND DATA TO COME FROM THE NEAREST CONCESSION STAND. CAMERA SHALL BE MOUNTED ON BACKSTOP POLE AT 25'-0" ABOVE GRADE. POWER AND DATA TO BE RAN UP BACKSTOP POLE. |
| 11 | EC TO PROVIDE ROUGH-IN FOR SECURITY CAMERA. COORDINATE FINAL PLACEMENT WITH OWNER PRIOR TO ROUGH-IN. |
| 12 | FLOOD LIGHTING FOR AMERICAN FLAG. COORDINATE FINAL PLACEMENT WITH ARCHITECT AND OWNER PRIOR TO ROUGH-INS. |
| 13 | EC TO PROVIDE UNISTRUT WITH 3" GRC POST FOR UTILITY METER AND DISCONNECT. COORDINATE FINAL PLACEMENT WITH UTILITY PROVIDER AND AHJ. DISCONNECT TO BE PROVIDED IN UNOBSTRUCTED LINE OF SIGHT TO UTILITY TRANSFORMER. |
| 14 | EC TO MOUNT EXTERIOR RATED RECEPTACLE(S) ON A POST FOR BATTING CAGES. |
| 15 | EC TO PROVIDE POWER CONNECTION FOR FUTURE BATTING CAGES. COORDINATE FINAL PLACEMENT WITH CIVIL AND OWNER PRIOR TO ROUGH-IN. |
| 16 | EC TO PROVIDE POWER CONNECTION FOR SCOREBOARD. VERIFY FINAL PLACEMENT WITH OWNER AND EQUIPMENT PROVIDER PRIOR ROUGH-IN. COORDINATE WITH MANUFACTURE FOR FINAL LOCATION AND ADDITIONAL REQUIREMENTS. |
| 17 | APPROXIMATE LOCATIONS OF EXISTING DISTRICT OWNED MV SWITCHGEAR AND TRANSFORMER TO REMAIN. |
| 18 | EC TO INSTALL BALLFIELD LIGHTING SYSTEM PROVIDED BY SCHOOL DISTRICT. APPROXIMATE LOCATION OF MUSCO POLE, POLE BASE, AND FIELD LIGHTING SHOWN. COORDINATE EXACT LOCATIONS WITH MUSCO LIGHTING PRIOR TO INSTALLATION. INSTALL LIGHTING, POLE, POLE BASE, AND REQUIRED EQUIPMENT GROUNDING PER MANUFACTURER'S REQUIREMENTS. REFER TO E-300 FOR ADDITIONAL PRELIMINARY DETAILS. |
| 19 | PROVIDE POWER TO GRINDER PUMP. 2#12 AWG CU + 1#12 AWG EQ GND IN 3/4"C. COORDINATE FINAL ELECTRICAL REQUIREMENTS WITH CIVIL. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION. |

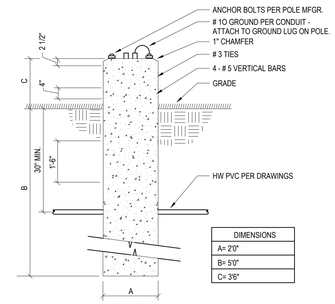
1 E-100 — ELECTRICAL SITE PLAN
1" = 40'-0"




4 E-100 — GROUND MOUNTED PULL BOX
SCALE: N.T.S.




3 E-100 — INGRADE OUTDOOR FLOODLIGHT - FIXTURE TYPE "S3"
SCALE: N.T.S.




2 E-100 — POLE BASE DETAIL - FIXTURE TYPES "S1" "S2"
SCALE: N.T.S.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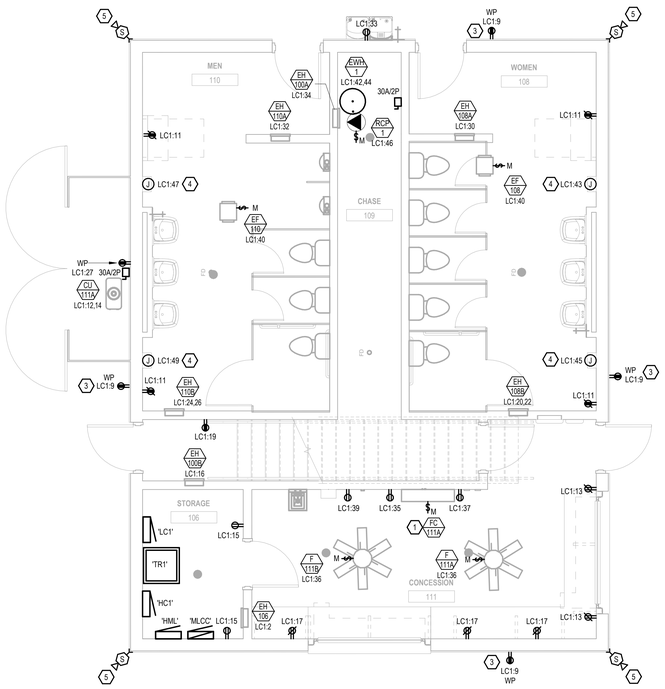
| DRAWN BY | CM |
| REVIEWED BY | JV |

ELECTRICAL SITE PLAN

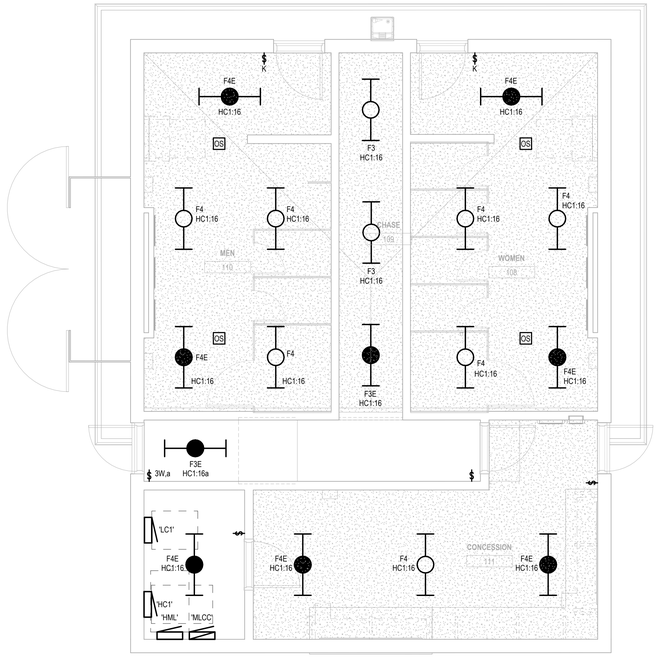
# E-100

ISSUED FOR REBID



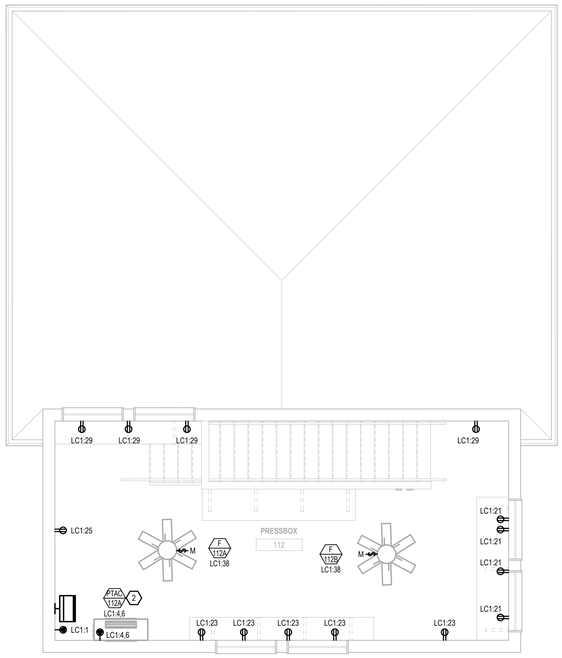

1 E-101 ELECTRIAL FIRST FLOOR PLAN - CONCESSION BUILDING

1/4" = 1'-0"



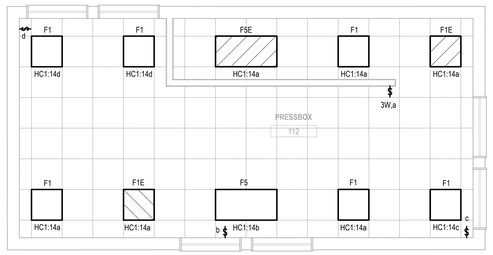

2 E-101 ELECTRICAL FIRST FLOOR LIGHTING PLAN - CONCESSION BUILDING

1/4" = 1'-0"




3 E-101 ELECTRICAL SECOND FLOOR PLAN - CONCESSION BUILDING

1/4" = 1'-0"




4 E-101 ELECTRICAL SECOND FLOOR LIGHTING PLAN - CONCESSIONS BUILDING

1/4" = 1'-0"

## GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
4. PROVIDE ALL NECESSARY ROUGH-INS FOR SECURITY EQUIPMENT. COORDINATE ALL REQUIREMENTS WITH OWNER'S SECURITY VENDOR. VERIFY EXACT REQUIREMENTS WITH DOOR HARDWARE PROVIDERS AND OWNER.
5. SECURITY DEVICES (CAMERAS, CARD READERS, ETC.) ARE OWNER PROVIDED. COORDINATE REQUIREMENT WITH OWNER PRIOR TO ROUGH-IN.
6. COORDINATE FINAL SECURITY CAMERA LOCATION WITH OWNER PRIOR TO INSTALLATION.
7. INSTALL WALL MOUNTED OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
8. REFER TO ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHTS AND FINAL FIXTURE LOCATIONS.
9. ALL WALL RECEPTACLES ARE RECESSED MOUNTED.
10. ALL RECEPTACLES TO BE TAMPER RESISTANT RECEPTACLES PER NEC 406.12.
11. COORDINATE ALL FINAL RECEPTACLE LOCATION WITH ARCHITECTURAL DRAWINGS, FINAL FURNITURE AND CASEWORK LAYOUTS, PRIOR TO ROUGH-IN.
12. PROVIDE DUAL DATA DROP FOR ALL WAP LOCATIONS.

| # | KEYNOTES |
|---|---|
| 1 | INDOOR UNIT IS POWERED FROM ASSOCIATED OUTDOOR UNIT. PROVIDE NECESSARY CONNECTIONS BETWEEN THE TWO UNITS PER MANUFACTURER'S INSTALLATION DOCUMENTS. |
| 2 | PTAC POWERED FROM 6-30R NEMA OUTLET. |
| 3 | PROVIDE LOCKABLE OUTLET COVER FOR EXTERIOR RECEPTACLE. |
| 4 | EC TO PROVIDE POWER CONNECTION FOR ELECTRICAL HAND DRYERS. COORDINATE WITH MANUFACTURE FOR FINAL LOCATION AND ADDITIONAL REQUIREMENTS. |
| 5 | EC TO PROVIDE ROUGH-IN FOR SECURITY CAMERA. COORDINATE FINAL PLACEMENT WITH OWNER PRIOR TO ROUGH-IN. |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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CM |
| REVIEWED BY | JV |

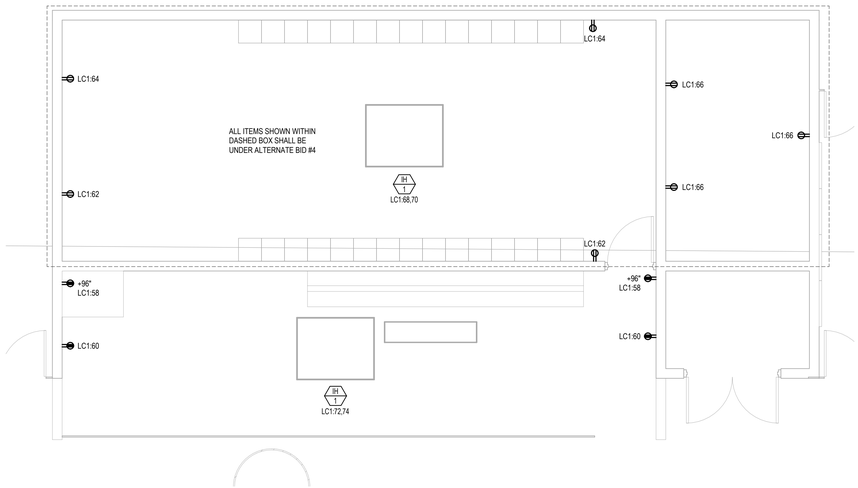
ELECTRICAL PLANS - CONCESSIONS BUILDING

E-101

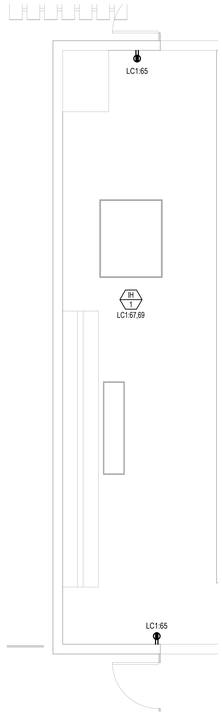
ISSUED FOR REBID

## GENERAL NOTES:

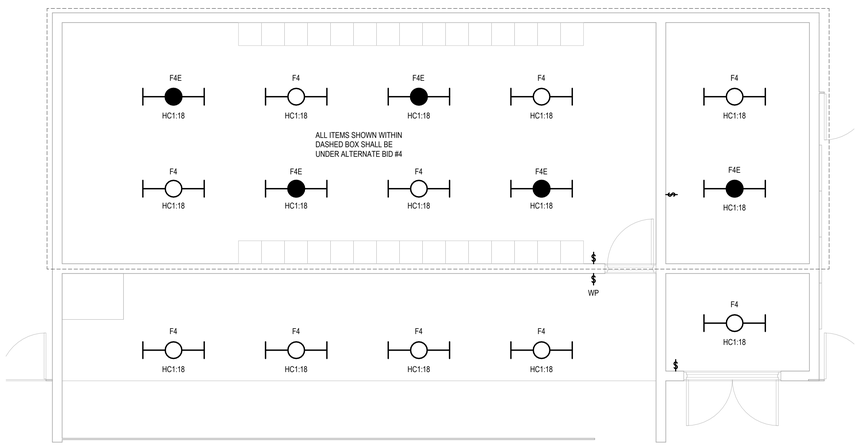
1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
4. PROVIDE ALL NECESSARY ROUGH-INS FOR SECURITY EQUIPMENT. COORDINATE ALL REQUIREMENTS WITH OWNER'S SECURITY VENDOR. VERIFY EXACT REQUIREMENTS WITH DOOR HARDWARE PROVIDERS AND OWNER.
5. SECURITY DEVICES (CAMERAS, CARD READERS, ETC.) ARE OWNER PROVIDED. COORDINATE REQUIREMENT WITH OWNER PRIOR TO ROUGH-IN.
6. COORDINATE FINAL SECURITY CAMERA LOCATION WITH OWNER PRIOR TO INSTALLATION.
7. INSTALL WALL MOUNTED OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
8. REFER TO ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHTS AND FINAL FIXTURE LOCATIONS.
9. ALL WALL RECEPTACLES ARE RECESSED MOUNTED.
10. ALL RECEPTACLES TO BE TAMPER RESISTANT RECEPTACLES PER NEC 406.12.
11. COORDINATE ALL FINAL RECEPTACLE LOCATION WITH ARCHITECTURAL DRAWINGS, FINAL FURNITURE AND CASEWORK LAYOUTS, PRIOR TO ROUGH-IN.
12. PROVIDE DUAL DATA DROP FOR ALL WAP LOCATIONS.



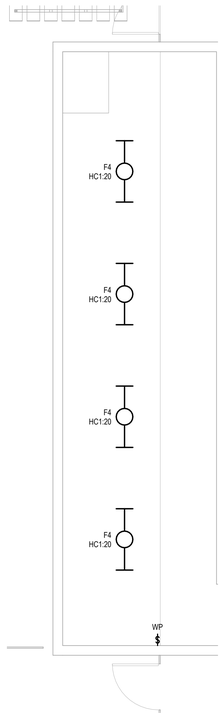

1 E-102 ELECTRIAL PLAN - VARSITY SOFTBALL HOME DUGOUT
1/4" = 1'-0"




2 E-102 ELECTRIAL PLAN - VARSITY SOFTBALL AWAY DUGOUT
1/4" = 1'-0"




3 E-102 ELECTRICAL LIGHTING PLAN - VARSITY SOFTBALL HOME DUGOUT
1/4" = 1'-0"




4 E-102 ELECTRICAL LIGHTING PLAN - VARSITY SOFTBALL AWAY DUGOUT
1/4" = 1'-0"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| DRAWN BY | CM |
| REVIEWED BY | JV |

ELECTRICAL PLANS - VARSITY SOFTBALL DUGOUTS

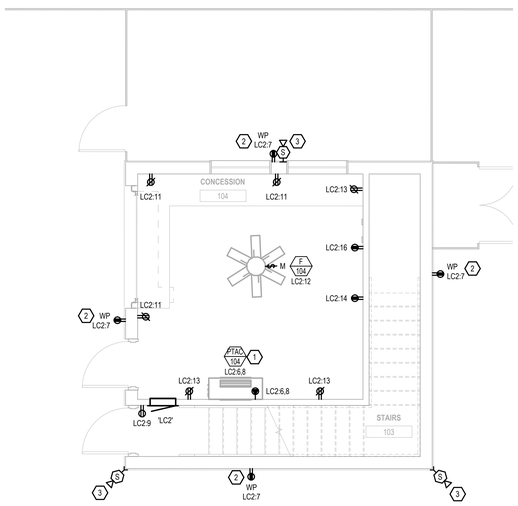
# E-102

ISSUED FOR REBID

## GENERAL NOTES:

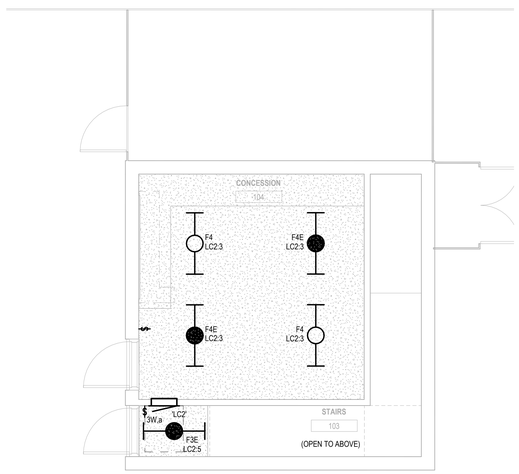
1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
4. PROVIDE ALL NECESSARY ROUGH-INS FOR SECURITY EQUIPMENT. COORDINATE ALL REQUIREMENTS WITH OWNER'S SECURITY VENDOR. VERIFY EXACT REQUIREMENTS WITH DOOR HARDWARE PROVIDERS AND OWNER.
5. SECURITY DEVICES (CAMERAS, CARD READERS, ETC.) ARE OWNER PROVIDED. COORDINATE REQUIREMENT WITH OWNER PRIOR TO ROUGH-IN.
6. COORDINATE FINAL SECURITY CAMERA LOCATION WITH OWNER PRIOR TO INSTALLATION.
7. INSTALL WALL MOUNTED OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
8. REFER TO ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHTS AND FINAL FIXTURE LOCATIONS.
9. ALL WALL RECEPTACLES ARE RECESSED MOUNTED.
10. ALL RECEPTACLES TO BE TAMPER RESISTANT RECEPTACLES PER NEC 406.12.
11. COORDINATE ALL FINAL RECEPTACLE LOCATION WITH ARCHITECTURAL DRAWINGS, FINAL FURNITURE AND CASEWORK LAYOUTS, PRIOR TO ROUGH-IN.
12. PROVIDE DUAL DATA DROP FOR ALL WAP LOCATIONS.

| # | KEYNOTES |
|---|---|
| 1 | PTAC POWERED FROM 6-30R NEMA OUTLET. |
| 2 | PROVIDE LOCKABLE OUTLET COVER FOR EXTERIOR RECEPTACLE. |
| 3 | EC TO PROVIDE ROUGH-IN FOR SECURITY CAMERA. COORDINATE FINAL PLACEMENT WITH OWNER PRIOR TO ROUGH-IN. |



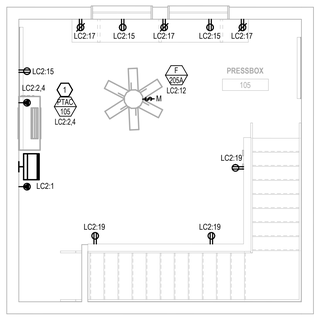

1 E-103 ELECTRIAL FIRST FLOOR PLAN - CONCESSION BUILDING VARSITY BASEBALL

1/4" = 1'-0"



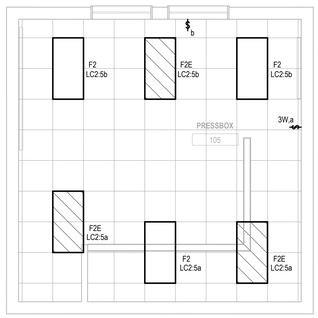

2 E-103 ELECTRICAL FIRST FLOOR LIGHTING PLAN - CONCESSIONS BUILDING VARSITY BASEBALL

1/4" = 1'-0"




3 E-103 ELECTRICAL SECOND FLOOR PLAN - CONCESSION BUILDING VARSITY BASEBALL

1/4" = 1'-0"




4 E-103 ELECTRICAL SECOND FLOOR LIGHTING PLAN - CONCESSION BUILDING VARSITY BASEBALL

1/4" = 1'-0"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REVISIONS

| NO. | DESCRIPTION | DATE |
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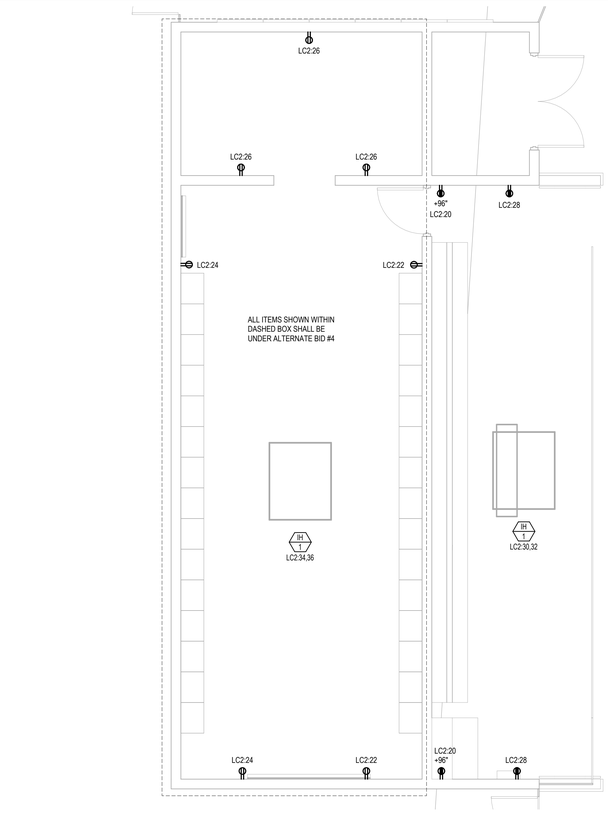
| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CM |
| REVIEWED BY | JV |

ELECTRICAL PLANS - CONCESSION BUILDING VARSITY BASEBALL

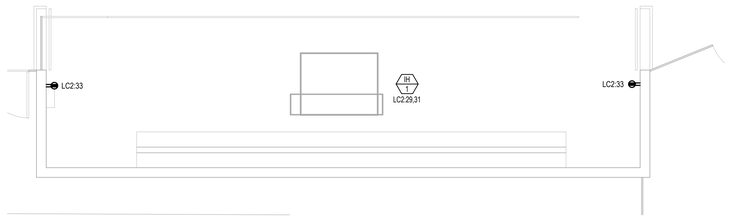
E-103

ISSUED FOR REBID



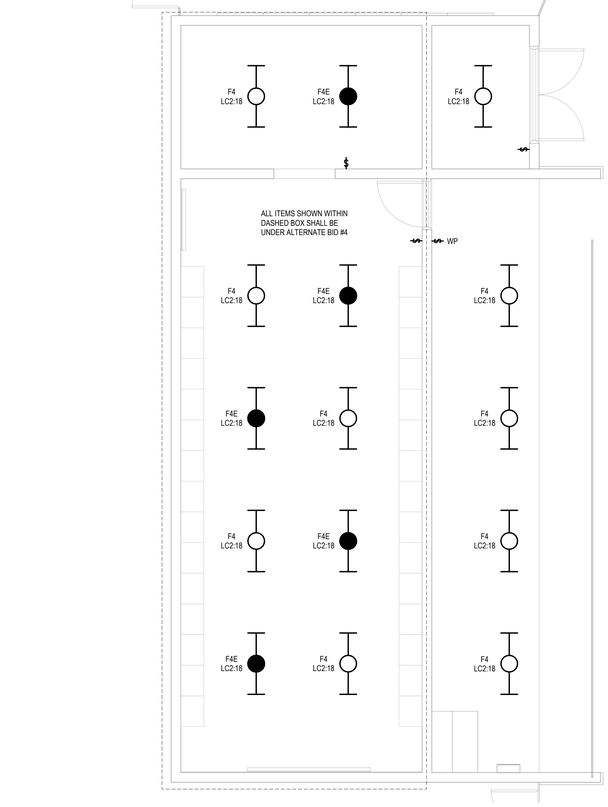

1 E-104 ELECTRIAL PLAN - VARSITY BASEBALL HOME DUGOUT

1/4" = 1'-0"



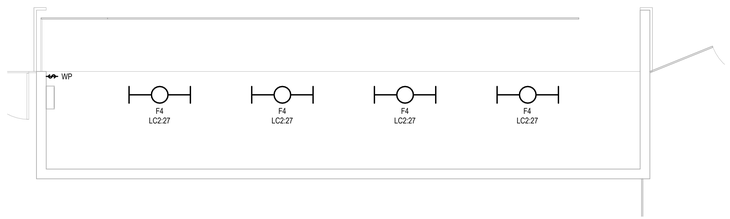

2 E-104 ELECTRIAL PLAN - VARSITY BASEBALL AWAY DUGOUT

1/4" = 1'-0"




3 E-104 ELECTRICAL LIGHTING PLAN - VARSITY BASEBALL HOME DUGOUT

1/4" = 1'-0"




4 E-104 ELECTRICAL LIGHTING PLAN - VARSITY BASEBALL AWAY DUGOUT

1/4" = 1'-0"

## GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
4. PROVIDE ALL NECESSARY ROUGH-INS FOR SECURITY EQUIPMENT. COORDINATE ALL REQUIREMENTS WITH OWNER'S SECURITY VENDOR. VERIFY EXACT REQUIREMENTS WITH DOOR HARDWARE PROVIDERS AND OWNER.
5. SECURITY DEVICES (CAMERAS, CARD READERS, ETC.) ARE OWNER PROVIDED. COORDINATE REQUIREMENT WITH OWNER PRIOR TO ROUGH-IN.
6. COORDINATE FINAL SECURITY CAMERA LOCATION WITH OWNER PRIOR TO INSTALLATION.
7. INSTALL WALL MOUNTED OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
8. REFER TO ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHTS AND FINAL FIXTURE LOCATIONS.
9. ALL WALL RECEPTACLES ARE RECESSED MOUNTED.
10. ALL RECEPTACLES TO BE TAMPER RESISTANT RECEPTACLES PER NEC 406.12.
11. COORDINATE ALL FINAL RECEPTACLE LOCATION WITH ARCHITECTURAL DRAWINGS, FINAL FURNITURE AND CASEWORK LAYOUTS, PRIOR TO ROUGH-IN.
12. PROVIDE DUAL DATA DROP FOR ALL WAP LOCATIONS.

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Moline - Coal Valley School District

# BASEBALL & SOFTBALL COMPLEX RENOVATION

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Moline, IL 61265

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SIGNATURE

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REVISIONS

| NO. | DESCRIPTION | DATE |
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| PROJECT NUMBER | 226057.00 |
| DATE OF ISSUE | 08.04.2026 |
| DRAWN BY | CM |
| REVIEWED BY | JV |

ELECTRICAL PLANS - VARSITY BASEBALL DUGOUTS

E-104

ISSUED FOR REBID

## EQUIPMENT SCHEDULE

**REMARKS:**
1. VERIFY ALL MCA AND MOCP REQUIREMENTS WITH SUBMITTED AND APPROVED EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
2. REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS AND SCOPE FOR CONTROL WIRING, LINE WIRING, STARTERS, AND DISCONNECTS.
3. VERIFY ALL INSTALLATION REQUIREMENTS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
4. REFER TO MECHANICAL SPECIFICATION "COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT " FOR SCOPE REQUIREMENTS REGARDING STARTERS AND DISCONNECTS.
5. LOCATION OF DISCONNECT OF EACH PIECE OF EQUIPMENT MAY NOT BE SHOWN ON PLANS. IF DISCONNECT FOR EQUIPMENT IS NOT SHOWN, CONTRACTOR TO FIELD COORDINATE LOCATION IN ACCORDANCE WITH CODE.

| TAG | kW | MCA (Amps) | MOCP (Amps) | HP | V | PH | Wires/Conduit | Panel | Circuit Number | Device at Equipment | Device Furnished By | Device Installed By | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CU-111A | | 15.0 A | 20 A | 0.00 hp | 208 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 12,14 | 30A/2P NEMA 3R NON-FUSED DISCONNECT | EC | EC | |
| EF-108 | | 0.0 A | 0 A | 0.04 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 40 | MANUAL MOTOR STARTER | EC | EC | |
| EF-110 | | 0.0 A | 0 A | 0.04 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 40 | MANUAL MOTOR STARTER | EC | EC | |
| EH-100A | 1.5 kW | 0.0 A | 0 A | 0.00 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 34 | INTEGRAL DISCONNECT | MC | EC | |
| EH-100B | 1.5 kW | 0.0 A | 0 A | 0.00 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 16 | INTEGRAL DISCONNECT | MC | EC | |
| EH-106 | 1.5 kW | 0.0 A | 0 A | 0.00 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 2 | INTEGRAL DISCONNECT | MC | EC | |
| EH-108A | 1.5 kW | 0.0 A | 0 A | 0.00 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 30 | INTEGRAL DISCONNECT | MC | EC | |
| EH-108B | 3.0 kW | 0.0 A | 0 A | 0.00 hp | 208 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 20,22 | INTEGRAL DISCONNECT | MC | EC | |
| EH-110A | 1.5 kW | 0.0 A | 0 A | 0.00 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 32 | INTEGRAL DISCONNECT | MC | EC | |
| EH-110B | 3.0 kW | 0.0 A | 0 A | 0.00 hp | 208 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 24,26 | INTEGRAL DISCONNECT | MC | EC | |
| F-104 | | | | 0.10 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC2 | 12 | MANUAL MOTOR STARTER | EC | EC | |
| F-111A | | | | 0.10 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 36 | MANUAL MOTOR STARTER | EC | EC | |
| F-111B | | | | 0.10 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 36 | MANUAL MOTOR STARTER | EC | EC | |
| F-112A | | | | 0.10 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 38 | MANUAL MOTOR STARTER | EC | EC | |
| F-112B | | | | 0.10 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 38 | MANUAL MOTOR STARTER | EC | EC | |
| F-205A | | | | 0.10 hp | 120 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC2 | 12 | MANUAL MOTOR STARTER | EC | EC | |
| FC-111A | 25.3 kW | 1.0 A | 15 A | 0.00 hp | 208 V | 1 | 2#12 AWG + 1#12 G, 3/4"C | | | MANUAL MOTOR STARTER | EC | EC | POWERED FROM OUTDOOR UNIT |
| IH-1 | 4.0 kW | 19.2 A | 25 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC1 | 68,70 | INTEGRAL DISCONNECT | MC | EC | |
| IH-1 | 4.0 kW | 19.2 A | 25 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC1 | 72,74 | INTEGRAL DISCONNECT | MC | EC | |
| IH-1 | 4.0 kW | 19.2 A | 25 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC1 | 67,69 | INTEGRAL DISCONNECT | MC | EC | |
| IH-1 | 4.0 kW | 19.2 A | 25 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC2 | 29,31 | INTEGRAL DISCONNECT | MC | EC | |
| IH-1 | 4.0 kW | 19.2 A | 25 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC2 | 30,32 | INTEGRAL DISCONNECT | MC | EC | |
| IH-1 | 4.0 kW | 19.2 A | 25 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC2 | 34,36 | INTEGRAL DISCONNECT | MC | EC | |
| PTAC-104 | 5.0 kW | 25.0 A | 30 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC2 | 6,8 | 6-30R NEMA OUTLET | EC | EC | |
| PTAC-105 | 5.0 kW | 25.0 A | 30 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC2 | 2,4 | 6-30R NEMA OUTLET | EC | EC | |
| PTAC-112A | 5.0 kW | 25.0 A | 30 A | 0.00 hp | 208 V | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC1 | 4,6 | 6-30R NEMA OUTLET | EC | EC | |

## PUMPING EQUIPMENT SCHEDULE

**REMARKS:**
1. VERIFY ALL ELECTRICAL REQUIREMENTS WITH SUBMITTED AND APPROVED EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
2. REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS AND SCOPE FOR CONTROL WIRING, LINE WIRING, STARTERS, AND DISCONNECTS.
3. VERIFY ALL INSTALLATION REQUIREMENTS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
4. REFER TO PLUMBING SPECIFICATIONS FOR SCOPE REQUIREMENTS REGARDING STARTERS AND DISCONNECTS.
5. LOCATION OF DISCONNECT OF EACH PIECE OF EQUIPMENT MAY NOT BE SHOWN ON PLANS. IF DISCONNECT FOR EQUIPMENT IS NOT SHOWN, CONTRACTOR TO FIELD COORDINATE LOCATION IN ACCORDANCE WITH CODE.

| TAG | kW | HP | V | PH | Wires/Conduit | Panel | Circuit Number | Device at Equipment | Device Furnished By | Device Installed By | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EWH-1 | 4.5 kW | 0.00 | 208 | 1 | 2#10 AWG + 1#10 G, 3/4"C | LC1 | 42,44 | 30A/2P NEMA NON-FUSED DISCONNECT | EC | EC | |
| RCP-1 | | 0.17 | 120 | 1 | 2#12 AWG + 1#12 G, 3/4"C | LC1 | 46 | MANUAL MOTOR STARTER | EC | EC | |

## LIGHTING FIXTURE SCHEDULE

| TYPE | DESCRIPTION | FIXTURE TYPE | LIGHT SOURCE K | LIGHT SOURCE CRI | INPUT WATTS | SPECIFIED FIXTURE MANUFACTURER | SPECIFIED FIXTURE MODEL NO. |
|---|---|---|---|---|---|---|---|
| F1 | 2'X2' SURFACE PANEL | LED | 35 | 80 | 36 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CPX 2X2 4000LM 80CRI 35K SWL MIN1 ZT MVOLT<br>VPAN22-44L-U-35-DIM1<br>22CGTX-35-EL10W-L835-HCD<br>2FPZ30L835-2-DS-UNV-DIM |
| F1E | 2'X2' SURFACE PANEL WITH INTEGRAL BATTERY | LED | 35 | 80 | 36 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CPX 2X2 4000LM 80CRI 35K SWL MIN1 ZT MVOLT E10W<br>VPAN22-44L-U-35-DIM1-EM10<br>22CGTX-35-EL10W-L835-HCD<br>2FPZ30L835-2-DS-UNV-DIM-EM06 |
| F2 | 2'X4' RECESSED PANEL | LED | 35 | 80 | 37 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CPX 2X4 4000LM 80CRI 35K SWL MIN1 ZT MVOLT<br>VPAN24-44L-U-35-DIM1<br>24CGTX-30-L835-HCD<br>2FPZ30L835-4-DS-UNV-DIM |
| F2E | 2'X4' RECESSED PANEL WITH INTEGRAL BATTERY | LED | 35 | 80 | 37 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CPX 2X4 4000LM 80CRI 35K SWL MIN1 ZT MVOLT E10W<br>VPAN24-44L-U-35-DIM1-EM10<br>24CGTX-30-EL10W-L835-HCD<br>2FPZ30L835-4-DS-UNV-DIM-EM06 |
| F3 | 4' LINEAR STRIPLIGHT | LED | 35 | 80 | 24 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CLX L48 4000LM SEF WDL WD MVOLT GZ1 35K 80CRI<br>DSC4-4L-HE-U-35-FFL-DIM1<br>4SNX-41SL-LW-UNV-L835-HCD1-U / Y-TOGGLE-10-2PK<br>2FPA40L835-Q-UNV-DIM |
| F3E | 4' LINEAR STRIPLIGHT WITH INTEGRAL BATTERY | LED | 35 | 80 | 24 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CLX L48 4000LM SEF WDL WD MVOLT GZ1 35K 80CRI E10W<br>DSC4-4L-HE-U-35-FFL-DIM1-EM10<br>4SNX-41SL-LW-UNV-L835-HCD1-EL10W-U / Y-TOGGLE-10-2PK<br>2FPA40L835-Q-UNV-DIM-EM10 |
| F4 | 4' LINEAR STRIPLIGHT WET RATED | LED | 35 | 80 | 24 | LITHONIA<br>INDUSTRIAL LIGHTING PRODUCTS<br>METALUX | FEM L48 4000LM LPPCL WD MVOLT GZ10 35K 80CRI WLFEND2<br>WTZ4 SERIES<br>VT3 SERIES |
| F4E | 4' LINEAR STRIPLIGHT WET RATED WITH BATTERY BACKUP | LED | 35 | 80 | 24 | LITHONIA<br>INDUSTRIAL LIGHTING PRODUCTS<br>METALUX | FEM L48 4000LM LPPCL WD MVOLT GZ10 35K 80CRI BE6WP WLFEND2<br>WTZ4 SERIES<br>VT3 SERIES |
| F5 | 2'X4' RECESSED PANEL | LED | 35 | 80 | 37 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CPX 2X4 4000LM 80CRI 35K SWL MIN1 ZT MVOLT<br>VPAN24-44L-U-35-DIM1<br>24CGTX-30-L835-HCD<br>2FPZ30L835-4-DS-UNV-DIM |
| F5E | 2'X4' RECESSED PANEL WITH INTEGRAL BATTERY | LED | 35 | 80 | 37 | LITHONIA<br>INDUSTRIAL LIGHT PRODUCTS<br>METALUX<br>DAYBRITE | CPX 2X4 4000LM 80CRI 35K SWL MIN1 ZT MVOLT E10W<br>VPAN24-44L-U-35-DIM1-EM10<br>24CGTX-30-EL10W-L835-HCD<br>2FPZ30L835-4-DS-UNV-DIM-EM06 |
| S1 | EXTERIOR SITE POLE - PARKING LOT | LED | 35 | 80 | 167 | LITHONIA<br>MCGRAW EDISON | (QUANTITY 1) DSX1 LED P6 40K 80CRI T5M DLL127F 1.5 JU<br>(QUANTITY 1) LITHONIA RSS 21-6 5B DM19AS VD NEC<br>GALN SERIES |
| S2 | EXTERIOR SITE POLE | LED | 35 | 80 | 279 | LITHONIA<br>MCGRAW EDISON | (QUANTITY 1) DSX1 LED P9 40K 80CRI T5M DLL127F 1.5 JU<br>(QUANTITY 1) LITHONIA RSS 21-6 5B DM19AS VD NEC<br>GALN SERIES |
| S3 | EXTERIOR FLAG POLE FLOODLIGHT | LED | 50 | | 35 | HYDREL<br>ICON LIGHTING<br>VISTA PRO | M97100 B LED P2 50K MVOLT MFL FLC10<br>IGRADE SERIES<br>1188 SERIES |

NOTES:
1. THE FIRST LISTED FIXTURE PRODUCT IN THE APPROVED MANUFACTURERS COLUMN WITH A FULL PRODUCT NUMBER FOR EACH FIXTURE TYPE IS THE BASIS OF DESIGN. ADDITIONAL APPROVED PRODUCT SERIES LISTED MUST MEET ALL THE CHARACTERISTICS LISTED AS THE BASIS OF DESIGN FIXTURE. FINAL PRODUCT APPROVAL WILL BE PROVIDED DURING THE SUBMITTAL PROCESS.

2. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR A COMPLETE INSTALLATION OF FIXTURE(S) IN THE SPACE. COORDINATE ALL INSTALLATION REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

3. FINISHES TO BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.

4. EC SHALL PROVIDE UNIVERSAL VOLTAGE DRIVERS FOR ALL FIXTURES.

**SPORTS LIGHTING FIXTURE SCHEDULE**

| TYPE | DESCRIPTION | FIXTURE TYPE | LIGHT SOURCE K | LIGHT SOURCE CRI | INPUT WATTS | VOLTS | SPECIFIED FIXTURE MANUFACTURER | SPECIFIED FIXTURE MODEL NO. | FURNISHED BY | INSTALLED BY |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 | SPORTS LIGHTING | LED | 5700 | 75 | 5250 | 480 | MUSCO | (4) TLC-LED-1200 ON 70FT POLE<br>(1) TLC-BT-575 AT 16FT OF 70FT POLE | OWNER | EC |
| A2 | SPORTS LIGHTING | LED | 5700 | 75 | 5250 | 480 | MUSCO | (4) TLC-LED-1200 ON 70FT POLE<br>(1) TLC-BT-575 AT 16FT OF 70FT POLE | OWNER | EC |
| A3 | SPORTS LIGHTING | LED | 5700 | 75 | 6420 | 480 | MUSCO | (3) FUTURE ON 60FT POLE<br>(3) TLC-LED-900 AT 60FT OF 60FT POLE<br>(1) FUTURE AT 19FT OF 60FT POLE<br>(1) TLC-BT-575 AT 19FT OF 60FT POLE | OWNER | EC |
| A4 | SPORTS LIGHTING | LED | 5700 | 75 | 3210 | 480 | MUSCO | (3) TLC-LED-900 ON 60FT POLE<br>(1) TLC-BT-575 AT 19FT OF 60FT POLE | OWNER | EC |
| B1 | SPORTS LIGHTING | LED | 5700 | 75 | 9030 | 480 | MUSCO | (6) TLC-LED-1500 ON 70FT POLE<br>(1) TLC-BT-575 AT 16FT OF 70FT POLE | OWNER | EC |
| B2 | SPORTS LIGHTING | LED | 5700 | 75 | 9030 | 480 | MUSCO | (6) TLC-LED-1500 ON 70FT POLE<br>(1) TLC-BT-575 AT 16FT OF 70FT POLE | OWNER | EC |
| B3 | SPORTS LIGHTING | LED | 5700 | 75 | 9630 | 480 | MUSCO | (1) TLC-LED-900 ON 60FT POLE<br>(2) FUTURE AT 60FT OF 60FT POLE<br>(2) FUTURE AT 60FT OF 60FT POLE<br>(3) TLC-LED-1200 AT 60FT OF 60FT POLE<br>(1) FUTURE AT 19FT OF 60FT POLE<br>(1) TLC-BT-575 AT 19FT OF 60FT POLE | OWNER | EC |
| C1 | SPORTS LIGHTING | LED | 5700 | 75 | 6790 | 480 | MUSCO | (4) TLC-LED-1500 ON 70FT POLE<br>(2) TLC-BT-575 AT 19FT OF 70FT POLE | OWNER | EC |
| C2 | SPORTS LIGHTING | LED | 5700 | 75 | 11750 | 480 | MUSCO | (1) TLC-LED-900 ON 70FT POLE<br>(3) TLC-LED-1200 AT 70FT OF 70FT POLE<br>(4) TLC-LED-1500 AT 70FT OF 70FT POLE<br>(1) TLC-BT-575 AT 19FT OF 70FT POLE<br>(2) TLC-BT-575 AT 19FT OF 70FT POLE | OWNER | EC |
| C3 | SPORTS LIGHTING | LED | 5700 | 75 | 4660 | 480 | MUSCO | (3) TLC-LED-1200 ON 60FT POLE<br>(2) TLC-BT-575 AT 16FT OF 60FT POLE | OWNER | EC |

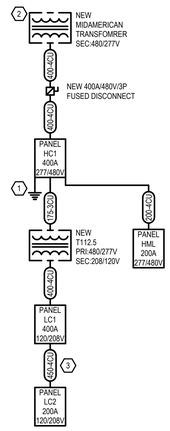
NOTES:
1. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR A COMPLETE INSTALLATION OF FIXTURE(S) IN THE SPACE. COORDINATE ALL INSTALLATION REQUIREMENTS WITH MUSCO LIGHTING, ARCHITECTURAL DRAWINGS, AND SPECIFICATIONS.

2. FINAL PRODUCT APPROVAL WILL PROVIDED DURING THE SUBMITTAL PROCESS.

## GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. REFER TO ELECTRICAL SITE PLAN SHEET E-100 FOR UNDERGROUND SITE WORK AND ADDITIONAL INFORMATION.

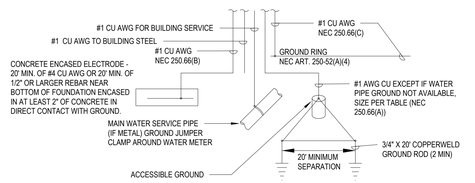
**# KEYNOTES**
1 REFER TO SERVICE GROUNDING DETAIL 2/E-200 FOR MORE INFORMATION.
2 PROVIDE CONCRETE PAD FOR ELECTRICAL EQUIPMENT. COORDINATE REQUIREMENT AND SIZE WITH MIDAMERICAN
3 FEEDER HAS BEEN UPSIZED TO ACCOUNT FOR VOLTAGE DROP.




1 NEW ONE LINE DIAGRAM
E-200 SCALE: N.T.S.

## FEEDER SCHEDULE

| TAG | SETS | CURRENT CARRYING CONDUCTORS | GROUND | CONDUIT |
|---|---|---|---|---|
| 20-2 CU | 1 | 2#12 | 1#12 | 3/4" |
| 20-3 CU | 1 | 3#12 | 1#12 | 3/4" |
| 20-4 CU | 1 | 4#12 | 1#12 | 3/4" |
| 25-2 CU | 1 | 2#10 | 1#10 | 3/4" |
| 25-3 CU | 1 | 3#10 | 1#10 | 3/4" |
| 25-4 CU | 1 | 4#10 | 1#10 | 3/4" |
| 30-2 CU | 1 | 2#10 | 1#10 | 3/4" |
| 30-3 CU | 1 | 3#10 | 1#10 | 3/4" |
| 30-4 CU | 1 | 4#10 | 1#10 | 3/4" |
| 35-2 CU | 1 | 2#8 | 1#10 | 3/4" |
| 35-3 CU | 1 | 3#8 | 1#10 | 3/4" |
| 35-4 CU | 1 | 4#8 | 1#10 | 3/4" |
| 40-2 CU | 1 | 2#8 | 1#10 | 3/4" |
| 40-3 CU | 1 | 3#8 | 1#10 | 3/4" |
| 40-4 CU | 1 | 4#8 | 1#10 | 3/4" |
| 45-2 CU | 1 | 2#8 | 1#10 | 3/4" |
| 45-3 CU | 1 | 3#8 | 1#10 | 3/4" |
| 45-4 CU | 1 | 4#8 | 1#10 | 3/4" |
| 50-2 CU | 1 | 2#8 | 1#10 | 3/4" |
| 50-3 CU | 1 | 3#8 | 1#10 | 3/4" |
| 50-4 CU | 1 | 4#8 | 1#10 | 3/4" |
| 60-2 CU | 1 | 2#6 | 1#10 | 3/4" |
| 60-3 CU | 1 | 3#6 | 1#10 | 1" |
| 60-4 CU | 1 | 4#6 | 1#10 | 1" |
| 70-2 CU | 1 | 2#4 | 1#8 | 1" |
| 70-3 CU | 1 | 3#4 | 1#8 | 1" |
| 70-4 CU | 1 | 4#4 | 1#8 | 1-1/4" |
| 80-2 CU | 1 | 2#4 | 1#8 | 1" |
| 80-3 CU | 1 | 3#4 | 1#8 | 1" |
| 80-4 CU | 1 | 4#4 | 1#8 | 1-1/4" |
| 90-2 CU | 1 | 2#3 | 1#8 | 1-1/4" |
| 90-3 CU | 1 | 3#3 | 1#8 | 1-1/4" |
| 90-4 CU | 1 | 4#3 | 1#8 | 1-1/4" |
| 100-2 CU | 1 | 2#3 | 1#8 | 1-1/4" |
| 100-3 CU | 1 | 3#3 | 1#8 | 1-1/4" |
| 100-4 CU | 1 | 4#3 | 1#8 | 1-1/4" |
| 110-3 CU | 1 | 3#2 | 1#6 | 1-1/4" |
| 110-4 CU | 1 | 4#2 | 1#6 | 1-1/4" |
| 125-3 CU | 1 | 3#1 | 1#6 | 1-1/4" |
| 125-4 CU | 1 | 4#1 | 1#6 | 1-1/2" |
| 150-3 CU | 1 | 3#1/0 | 1#6 | 1-1/2" |
| 150-4 CU | 1 | 4#1/0 | 1#6 | 1-1/2" |
| 175-3 CU | 1 | 3#2/0 | 1#6 | 2" |
| 175-4 CU | 1 | 4#2/0 | 1#6 | 2" |
| 200-3 CU | 1 | 3#3/0 | 1#6 | 2" |
| 200-4 CU | 1 | 4#3/0 | 1#4 | 2" |
| 225-3 CU | 1 | 3#4/0 | 1#4 | 2" |
| 225-4 CU | 1 | 4#4/0 | 1#4 | 2-1/2" |
| 250-3 CU | 1 | 3#250 | 1#4 | 2-1/2" |
| 250-4 CU | 1 | 4#250 | 1#4 | 2-1/2" |
| 300-3 CU | 1 | 3#350 | 1#4 | 2-1/2" |
| 300-4 CU | 1 | 4#350 | 1#4 | 3" |
| 350-3 CU | 1 | 3#400 | 1#3 | 3" |
| 350-4 CU | 1 | 4#400 | 1#3 | 3" |
| 400-3 CU | 1 | 3#500 | 1#3 | 3" |
| 400-4 CU | 1 | 4#500 | 1#3 | 3-1/2" |
| 450-3 CU | 2 | 3#4/0 | 1#2 | 2" |
| 450-4 CU | 2 | 4#4/0 | 1#2 | 2-1/2" |
| 500-3 CU | 2 | 3#250 | 1#2 | 2-1/2" |
| 500-4 CU | 2 | 4#250 | 1#2 | 2-1/2" |
| 600-3 CU | 2 | 3#350 | 1#1 | 2-1/2" |
| 600-4 CU | 2 | 4#350 | 1#1 | 3" |




2 SERVICE GROUND DETAIL - CONCESSION STAND
E-200 SCALE: N.T.S.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# BASEBALL & SOFTBALL COMPLEX RENOVATION

SIGNATURE

DATE

REVISIONS

| NO. | DESCRIPTION | DATE |
|---|---|---|
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| | | |

PROJECT NUMBER 226057.00
DATE OF ISSUE 08.04.2026
DRAWN BY CM
REVIEWED BY JV

ELECTRICAL SCHEDULES

# E-200

ISSUED FOR REBID

## Branch Panel: LC1

**Location:** STORAGE 106 | **Supply From:** TR1 | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** 22,000 | **Mains Type:** MCB | **Bus Amps:** 400 A | **MCB Rating:** 400 A

| CB Info | CKT | Circuit Description | Amps | Trip | Poles | A | | B | | C | | Poles | Trip | Amps | Circuit Description | CKT | CB Info |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | DATA RACK PRESSBOX | 1.5 A | 20 A | 1 | 180 VA | 1500 VA | | | | | 1 | 20 A | 12.5.. | EH-106 STORAGE 106 | 2 | |
| | 3 | POWER POLE JVBB | 1.5 A | 20 A | 1 | | | 180 VA | 3000 VA | | | 2 | 30 A | 28.8.. | PTAC-112A, JVBB & SB PRESSBOX 112 | 4 | |
| | 5 | POWER POLE JVSB | 1.5 A | 20 A | 1 | | | | | 180 VA | 3000 VA | | | | | 6 | |
| | 7 | POWER POLE VSB | 1.5 A | 20 A | 1 | 180 VA | 0 VA | | | | | 2 | 30 A | -- | SPARE | 8 | |
| | 9 | EXTERIOR BUILDING RECEPTACLES | 6 A | 20 A | 1 | | | 720 VA | 0 VA | | | | | | | 10 | |
| | 11 | RECEPTS. RESTROOMS | 6 A | 20 A | 1 | | | | | 720 VA | 1550 VA | 2 | 20 A | 14.9.. | CU-111A | 12 | |
| | 13 | RECEPTS. NORTH CONCESSIONS | 3 A | 20 A | 1 | 360 VA | 1550 VA | | | | | | | | | 14 | |
| | 15 | RECEPTS. STORAGE 106 | 3 A | 20 A | 1 | | | 360 VA | 1500 VA | | | 1 | 20 A | 12.5. | EH-100B | 16 | |
| | 17 | RECEPTS. EAST CONCESSIONS | 4.5 A | 20 A | 1 | | | | | 540 VA | 0 VA | 1 | 20 A | -- | SPARE | 18 | |
| | 19 | RECEPTS. WEST CONCESSIONS | 1.5 A | 20 A | 1 | 180 VA | 1500 VA | | | | | 2 | 20 A | 14.4.. | EH-108B, WOMEN 108 | 20 | |
| | 21 | RECEPTS. JV SB PRESSBOX | 6 A | 20 A | 1 | | | 720 VA | 1500 VA | | | | | | | 22 | |
| | 23 | RECEPTS. V SB PRESSBOX | 7.5 A | 20 A | 1 | | | | | 900 VA | 1500 VA | 2 | 20 A | 14.4.. | EH-110B, MEN 110 | 24 | |
| | 25 | RECEPTS. V BB PRESSBOX | 1.5 A | 20 A | 1 | 180 VA | 1500 VA | | | | | | | | | 26 | |
| | 27 | EXTERIOR ROOFTOP RECEPTACLE | 1.5 A | 20 A | 1 | | | 180 VA | 0 VA | | | 1 | 20 A | -- | SPARE | 28 | |
| | 29 | RECEPTS. JV BB PRESSBOX | 6 A | 20 A | 1 | | | | | 720 VA | 1500 VA | 1 | 20 A | 12.5.. | EH-108A WOMEN 108 | 30 | |
| | 31 | SPARE | -- | 20 A | 1 | 0 VA | 1500 VA | | | | | 1 | 20 A | 12.5.. | EH-110A MEN 110 | 32 | |
| G | 33 | EXTERIOR WATER FOUNTAIN | 7.5 A | 20 A | 1 | | | 900 VA | 1500 VA | | | 1 | 20 A | 12.5. | EH-100A CHASE 109 | 34 | |
| G | 35 | FREEZER CONCESSIONS 111 | 7.5 A | 20 A | 1 | | | | | 900 VA | 149 VA | 1 | 15 A | 1.24.. | F-111A, F-111B CONCESSIONS 111 | 36 | |
| G | 37 | REFRIGERATOR CONCESSIONS 111 | 7.5 A | 20 A | 1 | 900 VA | 149 VA | | | | | 1 | 15 A | 1.24.. | F-112A, 112B PRESSBOX 112 | 38 | |
| G | 39 | REFRIGERATOR CONCESSIONS 111 | 7.5 A | 20 A | 1 | | | 900 VA | 60 VA | | | 1 | 15 A | 0.5 A | EF-108, 110 | 40 | |
| | 41 | SPARE | -- | 20 A | 1 | | | | | 0 VA | 1500 VA | 2 | 20 A | 14.4.. | EWH-1, CHASE 109 | 42 | |
| L,G | 43 | HAND DRYER WOMEN 108 | 12.5.. | 20 A | 1 | 1500 VA | 1500 VA | | | | | | | | | 44 | |
| L,G | 45 | HAND DRYER WOMEN 108 | 12.5.. | 20 A | 1 | | | 1500 VA | 127 VA | | | 1 | 15 A | 1.06.. | RCP-1, CHASE 109 | 46 | |
| L,G | 47 | HAND DRYER MEN 110 | 12.5.. | 20 A | 1 | | | | | 1500 VA | 180 VA | 1 | 20 A | 1.5 A | EXT. JVSB DUGOUT | 48 | |
| L,G | 49 | HAND DRYER MEN 110 | 12.5.. | 20 A | 1 | 1500 VA | 180 VA | | | | | 1 | 20 A | 1.5 A | EXT. JVSB DUGOUT | 50 | |
| | 51 | EXT. INGRADE RECEPT. MOUND VSB | 3 A | 20 A | 1 | | | 360 VA | 180 VA | | | 1 | 20 A | 1.5 A | EXT. JVBB DUGOUT | 52 | |
| | 53 | EXT. INGRADE RECEPT. BATTING SB | 1.5 A | 20 A | 1 | | | | | 180 VA | 180 VA | 1 | 20 A | 1.5 A | EXT. JVBB DUGOUT | 54 | |
| | 55 | EXT. INGRADE RECEPT. BATTING SB | 1.5 A | 20 A | 1 | 180 VA | 1200 VA | | | | | 1 | 20 A | 1.5 A | EXT. INGRADE RECEPT. BATTING BB/SB | 56 | |
| | 57 | SPARE | -- | 20 A | 1 | | | 0 VA | 360 VA | | | 1 | 20 A | 3 A | RECEPTS. FANS VSB HOME DUGOUT | 58 | |
| | 59 | VSB SCOREBOARD | 4.17.. | 20 A | 1 | | | | | 500 VA | 360 VA | 1 | 20 A | 3 A | RECEPTS. VSB HOME DUGOUT | 60 | |
| | 61 | JVSB SCOREBOARD | 4.17.. | 20 A | 1 | 500 VA | 360 VA | | | | | 1 | 20 A | 3 A | RECEPTS. VSB HOME DUGOUT | 62 | |
| | 63 | JVBB SCOREBOARD | 4.17.. | 20 A | 1 | | | 500 VA | 360 VA | | | 1 | 20 A | 3 A | RECEPTS. VSB HOME DUGOUT | 64 | |
| | 65 | RECEPTS. VSB AWAY DUGOUT | 3 A | 20 A | 1 | | | | | 360 VA | 540 VA | 1 | 20 A | 4.5 A | RECEPTS. VSB HOME DUGOUT | 66 | |
| | 67 | | | | | 2000 VA | 2000 VA | | | | | | | | | 68 | |
| | 69 | IH-1, VSB AWAY DUGOUT | 19.2.. | 25 A | 2 | | | 2000 VA | 2000 VA | | | 2 | 25 A | 19.2.. | IH-1, VSB HOME DUGOUT | 70 | |
| | 71 | GRINDER PUMP | 12 A | 20 A | 1 | | | | | 1440 VA | 2000 VA | 2 | 25 A | 19.2.. | IH-1, VSB HOME DUGOUT | 72 | |
| | 73 | SPARE | -- | 20 A | 1 | 0 VA | 2000 VA | | | | | | | | | 74 | |
| | 75 | SPARE | -- | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | -- | SPARE | 76 | |
| | 77 | SPARE | -- | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | -- | SPARE | 78 | |
| | 79 | SPARE | -- | 20 A | 1 | 0 VA | 13240.. | | | | | | | | | 80 | |
| | 81 | SPARE | -- | 20 A | 1 | | | 0 VA | 7532 VA | | | 3 | 125 A | 91.5 A | LC2 | 82 | |
| | 83 | SPARE | -- | 20 A | 1 | | | | | 0 VA | 12193 VA | | | | | 84 | |
| | | | | | **Total Load:** | 35839 VA | | 26413 VA | | 32592 VA | | | | | | | |
| | | | | | **Tot...** | 307 A | | 220 A | | 280 A | | | | | | | |

**CIRCUIT BREAKER INFORMATION LEGEND:**
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Equipment | 127 VA | 100.00% | 127 VA | | |
| HVAC | 37660 VA | 100.00% | 37660 VA | **Total Conn. Load:** | 94845 VA |
| Other | 24447 VA | 100.00% | 24447 VA | **Total Est. Demand:** | 94845 VA |
| Power | 31840 VA | 100.00% | 31840 VA | **Total Conn.:** | 263 A |
| Lighting | 796 VA | 100.00% | 796 VA | **Total Est. Demand:** | 263 A |

**Notes:**
EC TO PROVIDE NEW BRANCH PANEL INDENTIFICATION LABEL AND NEW PANEL SCHEDULE CARD.

## Branch Panel: LC2

**Location:** STAIRS 103 | **Supply From:** LC1 | **Mounting:** Recessed | **Enclosure:** NEMA 1
**Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** 22,000 | **Mains Type:** MCB | **Bus Amps:** 125 A | **MCB Rating:** 125 A

| CB Info | CKT | Circuit Description | Amps | Trip | Poles | A | | B | | C | | Poles | Trip | Amps | Circuit Description | CKT | CB Info |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | DATA RACK | 1.5 A | 20 A | 1 | 180 VA | 3000 VA | | | | | 2 | 30 A | 28.8.. | PTAC 105, VBB PRESSBOX 105 | 2 | |
| | 3 | LIGHTING V BB 1ST FLOOR | 0.8 A | 20 A | 1 | | | 96 VA | 3000 VA | | | | | | | 4 | |
| | 5 | LIGHTING V BB 2ND FLOOR | 2.04.. | 20 A | 1 | | | | | 244 VA | 3000 VA | 2 | 30 A | 28.8.. | PTAC 104, CONCESSION 104 | 6 | |
| | 7 | EXTERIOR BUILDING RECEPTS. | 6 A | 20 A | 1 | 720 VA | 3000 VA | | | | | | | | | 8 | |
| | 9 | RECEPTS. RESTROOM, STORAGE | 1.5 A | 20 A | 1 | | | 180 VA | 0 VA | | | 1 | 20 A | -- | SPARE | 10 | |
| | 11 | RECEPTS.CONCESSION 104 | 4.5 A | 20 A | 1 | | | | | 540 VA | 149 VA | 1 | 15 A | 1.24.. | F-104, 105 VBB CONCESSIONS | 12 | |
| | 13 | RECEPTS.CONCESSION 104 | 4.5 A | 20 A | 1 | 540 VA | 180 VA | | | | | 1 | 20 A | 1.5 A | REFRIGERATOR CONCESSION 104 | 14 | G |
| | 15 | RECEPTS. UNDER COUNTER PB | 4.5 A | 20 A | 1 | | | 540 VA | 180 VA | | | 1 | 20 A | 1.5 A | FREEZER CONCESSION 104 | 16 | G |
| | 17 | RECEPTS. ABOVE COUNTER PB | 4.5 A | 20 A | 1 | | | | | 540 VA | 360 VA | 1 | 20 A | 3 A | LIGHTING V. BASEBALL HOME DUGOUT | 18 | |
| | 19 | RECEPTS. PRESSBOX | 4.5 A | 20 A | 1 | 540 VA | 360 VA | | | | | 1 | 20 A | 3 A | RECEPTS. FANS VBB HOME DUGOUT | 20 | |
| | 21 | EXT. INGRADE RECEPT. MOUND VBB | 3 A | 20 A | 1 | | | 360 VA | 360 VA | | | 1 | 20 A | 3 A | RECEPTS. VBB HOME DUGOUT | 22 | |
| | 23 | EXT. VBB SCOREBOARDS | 8.33.. | 20 A | 1 | | | | | 1000 VA | 360 VA | 1 | 20 A | 3 A | RECEPTS. VBB HOME DUGOUT | 24 | |
| | 25 | POWER POLE VBB | 1.5 A | 20 A | 1 | 180 VA | 540 VA | | | | | 1 | 20 A | 4.5 A | RECEPTS. VBB HOME DUGOUT | 26 | |
| | 27 | LIGHTING V BB AWAY DUGOUT | 0.8 A | 20 A | 1 | | | 96 VA | 360 VA | | | 1 | 20 A | 3 A | RECEPTS. VBB HOME DUGOUT | 28 | |
| | 29 | IH-1, VBB AWAY DUGOUT | 19.2.. | 25 A | 2 | | | | | 2000 VA | 2000 VA | 2 | 25 A | 19.2.. | IH-1, VBB HOME DUGOUT | 30 | |
| | 31 | | | | | 2000 VA | 2000 VA | | | | | | | | | 32 | |
| | 33 | RECEPTS. V BB AWAY DUGOUT | 3 A | 20 A | 1 | | | 360 VA | 2000 VA | | | 2 | 25 A | 19.2.. | IH-1, VBB HOME DUGOUT | 34 | |
| | 35 | SPARE | -- | 20 A | 1 | | | | | 0 VA | 2000 VA | | | | | 36 | |
| | 37 | SPARE | -- | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | -- | SPARE | 38 | |
| | 39 | SPARE | -- | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | -- | SPARE | 40 | |
| | 41 | SPARE | -- | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | -- | SPARE | 42 | |
| | | | | | **Total Load:** | 13240 VA | | 7532 VA | | 12193 VA | | | | | | | |
| | | | | | **Tot...** | 116 A | | 63 A | | 108 A | | | | | | | |

**CIRCUIT BREAKER INFORMATION LEGEND:**
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC | 12000 VA | 100.00% | 12000 VA | | |
| Other | 12149 VA | 100.00% | 12149 VA | **Total Conn. Load:** | 32965 VA |
| Power | 8020 VA | 100.00% | 8020 VA | **Total Est. Demand:** | 32965 VA |
| Lighting | 796 VA | 100.00% | 796 VA | **Total Conn.:** | 92 A |
| | | | | **Total Est. Demand:** | 92 A |

**Notes:**
EC TO PROVIDE NEW BRANCH PANEL INDENTIFICATION LABEL AND NEW PANEL SCHEDULE CARD.

## Branch Panel: HC1

**Location:** STORAGE 106 | **Supply From:** | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 480/277 Wye | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** 42000 | **Mains Type:** MCB | **Bus Amps:** 400 A | **MCB Rating:** 400 A

| CB Info | CKT | Circuit Description | Amps | Trip | Poles | A | | B | | C | | Poles | Trip | Amps | Circuit Description | CKT | CB Info |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | TR1 | 114.0 8 A | 175 A | 3 | 35839 VA | -- | | | | | 1 | -- | -- | SPACE | 2 | |
| | 3 | | | | | | | 26413... | -- | | | 1 | -- | -- | SPACE | 4 | |
| | 5 | | | | | | | | | 32592... | -- | 1 | -- | -- | SPACE | 6 | |
| | 7 | HML | 145.4 9 A | 200 A | 3 | 40320 VA | -- | | | | | 1 | -- | -- | SPACE | 8 | |
| | 9 | | | | | | | 40320... | -- | | | 1 | -- | -- | SPACE | 10 | |
| | 11 | | | | | | | | | 40320... | -- | 1 | -- | -- | SPACE | 12 | |
| | 13 | MLCC | 3.61.. | 20 A | 1 | 1000 VA | 364 VA | | | | | 1 | 20 A | 1.31.. | LIGHTING CONCESSIONS PRESSBOX | 14 | |
| | 15 | EXTERIOR LIGHTING PARKING LOT | 2.41.. | 20 A | 1 | | | 668 VA | 432 VA | | | 1 | 20 A | 1.56.. | LIGHTING CONCESSIONS 1ST FLOOR | 16 | |
| | 17 | EXTERIOR FLAG FLOODLIGHTS | 0.76.. | 20 A | 1 | | | | | 210 VA | 360 VA | 1 | 20 A | 1.3 A | LTG. V. SOFTBALL HOME DUGOUT | 18 | |
| | 19 | EXTERIOR LIGHTING ENTRY GATE | 1.01.. | 20 A | 1 | 279 VA | 96 VA | | | | | 1 | 20 A | 0.35.. | LTG. V. SOFTBALL AWAY DUGOUT | 20 | |
| | 21 | SPARE | -- | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | -- | SPARE | 22 | |
| | 23 | SPARE | -- | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | -- | SPARE | 24 | |
| | | | | | **Total Load:** | 77898 VA | | 67833 VA | | 73482 VA | | | | | | | |
| | | | | | **Tot...** | 284 A | | 245 A | | 268 A | | | | | | | |

**CIRCUIT BREAKER INFORMATION LEGEND:**
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Equipment | 127 VA | 100.00% | 127 VA | | |
| HVAC | 37660 VA | 100.00% | 37660 VA | **Total Conn. Load:** | 219214 VA |
| Other | 25447 VA | 100.00% | 25447 VA | **Total Est. Demand:** | 219214 VA |
| Power | 31840 VA | 100.00% | 31840 VA | **Total Conn.:** | 264 A |
| Lighting | 124165 VA | 100.00% | 124165 VA | **Total Est. Demand:** | 264 A |

**Notes:**
EC TO PROVIDE NEW BRANCH PANEL INDENTIFICATION LABEL AND NEW PANEL SCHEDULE CARD.

## Branch Panel: HML

**Location:** STORAGE 106 | **Supply From:** HC1 | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 480/277 Wye | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** 42000 | **Mains Type:** MLO | **Bus Amps:** 200 A

| CB Info | CKT | Circuit Description | Amps | Trip | Poles | A | | B | | C | | Poles | Trip | Amps | Circuit Description | CKT | CB Info |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | VARSITY BASEBALL FIELD W POLE (A1) | 6.31 A | 20 A | 3 | 1750 VA | 1557 VA | | | | | 3 | 20 A | 5.62 A | FUTURE JV SOFTBALL FIELD W POLE (B4) | 2 | |
| | 3 | | | | | | | 1750 VA | 1557 VA | | | | | | | 4 | |
| | 5 | | | | | | | | | 1750 VA | 1557 VA | | | | | 6 | |
| | 7 | VARSITY BASEBALL FIELD W POLE (B1) | 10.86 A | 20 A | 3 | 3010 VA | 1553 VA | | | | | 3 | 20 A | 5.61 A | FUTURE JV SOFTBALL FIELD NE POLE (C4) | 8 | |
| | 9 | | | | | | | 3010 VA | 1553 VA | | | | | | | 10 | |
| | 11 | | | | | | | | | 3010 VA | 1553 VA | | | | | 12 | |
| | 13 | VARSITY BASEBALL FIELD N POLE (C1) | 8.17 A | 20 A | 3 | 2263 VA | 1070 VA | | | | | 3 | 20 A | 3.86 A | FUTURE JV SOFTBALL FIELD W POLE (A5) | 14 | |
| | 15 | | | | | | | 2263 VA | 1070 VA | | | | | | | 16 | |
| | 17 | | | | | | | | | 2263 VA | 1070 VA | | | | | 18 | |
| | 19 | VARSITY BASEBALL FIELD S POLE (A2) | 6.31 A | 20 A | 3 | 1750 VA | 2540 VA | | | | | 3 | 20 A | 9.17 A | FUTURE JV BASEBALL FIELD S POLE (B5) | 20 | |
| | 21 | | | | | | | 1750 VA | 2540 VA | | | | | | | 22 | |
| | 23 | | | | | | | | | 1750 VA | 2540 VA | | | | | 24 | |
| | 25 | VARSITY BASEBALL FIELD S POLE (B2) | 10.86 A | 20 A | 3 | 3010 VA | 2333 VA | | | | | 3 | 20 A | 8.42 A | FUTURE JV BASEBALL FIELD W POLE (C5) | 26 | |
| | 27 | | | | | | | 3010 VA | 2333 VA | | | | | | | 28 | |
| | 29 | | | | | | | | | 3010 VA | 2333 VA | | | | | 30 | |
| | 31 | VARSITY BASEBALL FIELD E POLE (C2) | 14.13 A | 25 A | 3 | 3917 VA | 1360 VA | | | | | 3 | 20 A | 4.91 A | FUTURE JV BASEBALL FIELD E POLE (A6) | 32 | |
| | 33 | VARSITY SOFTBALL FIELD W POLE (C2) | | | | | | 3917 VA | 1360 VA | | | | | | | 34 | |
| | 35 | | | | | | | | | 3917 VA | 1360 VA | | | | | 36 | |
| | 37 | VARSITY SOFTBALL FIELD N POLE (A3) | 7.72 A | 20 A | 3 | 2140 VA | 2540 VA | | | | | 3 | 20 A | 9.17 A | FUTURE JV BASEBALL FIELD E POLE (B6) | 38 | |
| | 39 | JV SOFTBALL FIELD S POLE (A3) | | | | | | 2140 VA | 2540 VA | | | | | | | 40 | |
| | 41 | | | | | | | | | 2140 VA | 2540 VA | | | | | 42 | |
| | 43 | VARSITY SOFTBALL FIELD N POLE (B3) | 11.58 A | 20 A | 3 | 3210... | 2333... | | | | | 3 | 20 A | 8.42 A | FUTURE JV BASEBALL FIELD N POLE (C6) | 44 | |
| | 45 | JV SOFTBALL FIELD S POLE (B3) | | | | | | 3210... | 2333... | | | | | | | 46 | |
| | 47 | | | | | | | | | 3210 VA | 2333 VA | | | | | 48 | |
| | 49 | VARSITY SOFTBALL FIELD SE POLE (C3) | 5.61 A | 20 A | 3 | 1553... | 1360... | | | | | 3 | 20 A | 4.91 A | FUTURE JV BASEBALL FIELD S POLE (A7) | 50 | |
| | 51 | | | | | | | 1553... | 1360... | | | | | | | 52 | |
| | 53 | | | | | | | | | 1553 VA | 1360 VA | | | | | 54 | |
| | 55 | VARSITY SOFTBALL FIELD W POLE (A4) | 3.86 A | 20 A | 3 | 1070... | 0 VA | | | | | 3 | 20 A | -- | SPARE | 56 | |
| | 57 | | | | | | | 1070... | 0 VA | | | | | | | 58 | |
| | 59 | | | | | | | | | 1070 VA | 0 VA | | | | | 60 | |
| | | | | | **Total Load:** | 40320 VA | | 40320 VA | | 40320 VA | | | | | | | |
| | | | | | **Total Amps:** | 146 A | | 146 A | | 146 A | | | | | | | |

**CIRCUIT BREAKER INFORMATION LEGEND:**
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MLO = MAIN LUGS ONLY
CB = CIRCUIT BREAKER
CKT = CIRCUIT

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 120960 VA | 100.00% | 120960 VA | **Total Conn. Load:** | 120960 VA |
| | | | | **Total Est. Demand:** | 120960 VA |
| | | | | **Total Conn.:** | 145 A |
| | | | | **Total Est. Demand:** | 145 A |

**Notes:**
EC TO PROVIDE NEW BRANCH PANEL INDENTIFICATION LABEL AND NEW PANEL SCHEDULE CARD.

## GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. REFER TO PROJECT MANUAL FOR PROJECT SPECIFICATIONS.
3. REFER TO ELECTRICAL SITE PLAN SHEET E-100 FOR UNDERGROUND SITE WORK AND ADDITIONAL INFORMATION.


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# BASEBALL & SOFTBALL COMPLEX RENOVATION


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PROJECT NUMBER 226057.00
DATE OF ISSUE 08.04.2026
DRAWN BY CM
REVIEWED BY JV

ELECTRICAL PANEL SCHEDULES

# E-201

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## Precast Concrete Base

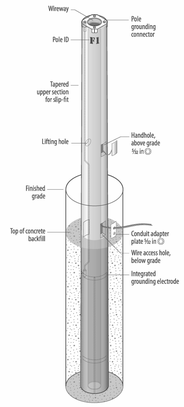
### Overview

The precast concrete base is set directly into the ground, backfilled with concrete, and allowed to cure for 12 to 24 hours. The base is designed for easy slip-fit connection to the galvanized steel pole. The remaining components — steel pole, poletop luminaire assembly, electrical components enclosure, and wire harness — are assembled as a unit and set onto the base. The base includes an integrated lightning ground system.

### Tools/Materials Needed

Musco Supplied
- ❑ *Field Aiming Diagram*
- ❑ Musco *Foundation and Pole Assembly Drawing* or stamped *Foundation and Pole Design*
- ❑ Steel bar
- ❑ Wooden base wedges
- ❑ Level with shim for tapered base
- ❑ 9/32 in hex key

Contractor Supplied
- ❑ Crane or forklift with nylon strapping and 8 ft (2.5 m) sling sized to weight of base
- ❑ Conduit for underground wiring
- ❑ Concrete backfill
- ❑ Water pump (as needed)




### Installation Procedure

Verify pole ID on concrete base matches pole location on *Field Aiming Diagram*.

For Anchor Bolt foundations, see *Instructions: Baseplate Pole.*

For options on poor soil conditions, alternative installation methods, or if there are any issues with pole locations given, contact your local Musco representative.

Your project engineer's name and phone number appears on *Field Aiming Diagram.*

*Note: Use only project-specific foundation designs as detailed on Musco Foundation and Pole Assembly Drawing or stamped Foundation and Pole Design.*

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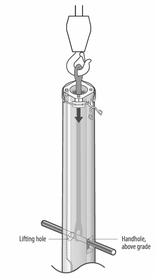
## Precast Concrete Base

1 Mark pole locations per *Field Aiming Diagram.*

2 Excavate holes to size and depth given on Musco *Foundation and Pole Assembly Drawing* or stamped *Foundation and Pole Design.*

⚠ **WARNING**
**Fall hazard**
Cover holes or install fencing to prevent accidental falls.

3 Sling and lower base into hole. Orient wire access hole to accommodate incoming supply wiring. Snip banding and remove tab protectors.

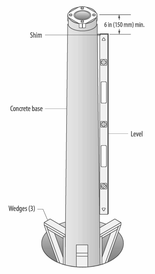



4 Plumb base and wedge into position. Use supplied level with shim on upper end against base. Shim accommodates taper of base. Top of base is beveled. Keep level at least 6 in (150 mm) from top when plumbing.

5 Remove any water from hole to avoid weakening foundation. Water in hole during concrete pour can also cause hollow center of base to fill with concrete.

✓ If backfilling to finished grade with concrete instead of compacted fill, be sure to maintain wire access.

6 Backfill with concrete per Musco *Foundation and Pole Assembly Drawing* or stamped *Foundation and Pole Design.*

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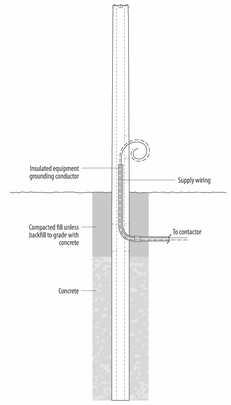
## Precast Concrete Base

7 Have your electrician install all underground conduit and wiring, including insulated equipment grounding conductor. Route wires up through base to handhole. Conduit adapter plates with knockouts are provided. You may also install wiring after standing pole.

8 Backfill with compacted soil to finished grade unless stamped *Foundation and Pole Design* requires concrete to finished grade.

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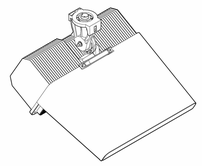

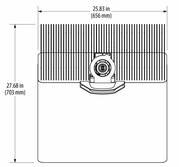


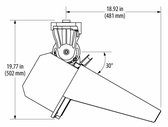


### Luminaire Data

| | |
|---|---|
| Weight (luminaire) | 67 lb (30 kg) |
| UL listing number | E338094 |
| UL listed for USA/Canada | UL1598<br>CSA-C22.2 No.250.0 |
| CE Declaration | LVD, EMC, RoHS |
| Ingress protection (luminaire) | IP66 |
| Impact rating | IK07 |
| Material and finish | Aluminum,<br>powder-coat painted |
| Wind speed rating (aiming only) | 150 mi/h (67 m/s) |
| UL, IEC ambient temperature rating (luminaire) | 50°C (122°F) |

### Photometric Characteristics

| | |
|---|---|
| Projected lumen maintenance per IES TM-21-11 | |
| L90 (20k) | >120,000 h |
| L80 (20k) | >120,000 h |
| L70 (20k) | >120,000 h |
| Lumens[1] | 181,000 |
| CIE correlated color temperature | 5700 K |
| Color rendering index (CRI) | 75 typ, 70 min |
| LED binning tolerance | 5-step MacAdam Ellipse |

Footnotes:

1) Value represents most common optical variation. Incorporates appropriate dirt depreciation factor for life of luminaire.

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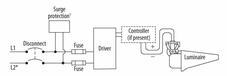
## Driver Data

### Electrical Data

| | |
|---|---|
| Rated wattage[1] | |
| Per driver | 1410 W |
| Per luminaire | 1410 W |
| Number of luminaires per driver | 1 |
| Starting (inrush) current | <40 A, 256 µs |
| Fuse rating | 15 A |
| UL, IEC ambient temperature rating (electrical components enclosure) | 50°C (122°F) |
| Ingress protection (electrical components enclosure) | IP54 |
| Efficiency | 95% |
| Dimming mode | optional |
| Range, energy consumption | 10 – 100% |
| Range, light output | 15 – 100% |
| Flicker | <2% |
| Total harmonic distortion (THD) at full output | <20% |

Typical Wiring




* If L2 is neutral then not switched or fused.
† Not present if indoor installation.

| | 200 Vac 50/60 Hz | 208 Vac 60 Hz | 220 Vac 50/60 Hz | 230 Vac 50 Hz | 240 Vac 50/60 Hz | 277 Vac 60 Hz | 347 Vac 60 Hz | 380 Vac 50/60 Hz | 400 Vac 50 Hz | 415 Vac 50 Hz | 480 Vac 60 Hz |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Max operating current per luminaire[2]** | 8.71 A | 8.37 A | 7.92 A | 7.57 A | 7.26 A | 6.29 A | 5.02 A | 4.59 A | 4.36 A | 4.20 A | 3.63 A |

Footnotes:

1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.

2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.

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| DRAWN BY | CM |
| REVIEWED BY | JV |

MUSCO DOCUMENTS

# E-300

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