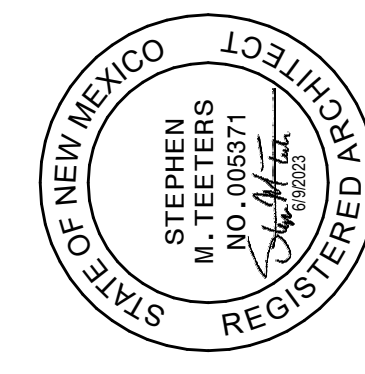
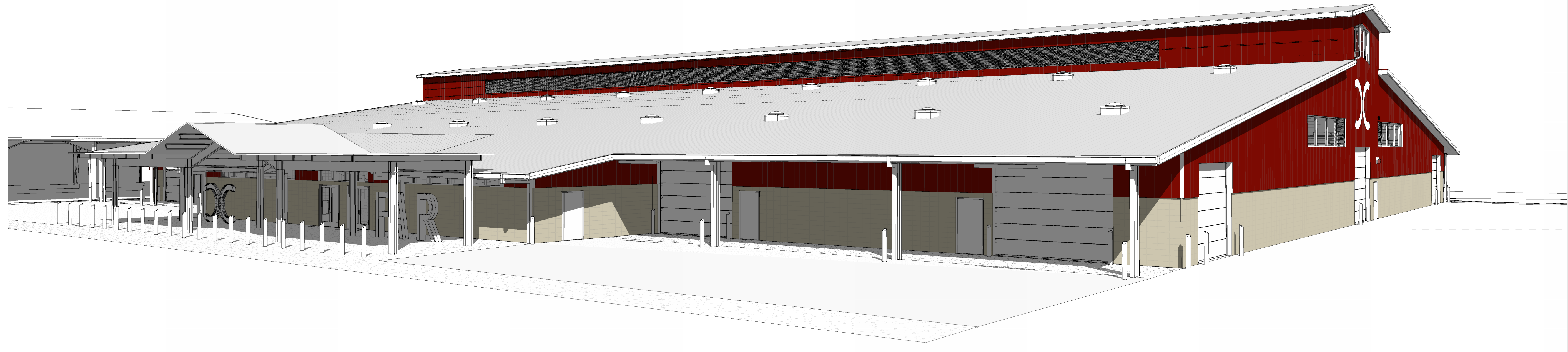


NOTE: IMAGES SHOWN ARE CONCEPTUAL AND MAY NOT ACCURATELY DEPICT REQUIREMENTS OF THESE DRAWINGS



6/19/2023

OWNER
CURRY COUNTY
417 GORDON STREET, STE #100
ALBUQUERQUE, NM 87102
TEL: 505.763.8919

STRUCTURAL
LUCHINI TRULLIO STRUCTURAL ENGINEERS
4110 WOODLOTT AVE, STE C
ALBUQUERQUE, NM 87108
TEL: 505.762.8671

MECH & PLUMBING
BRIDGERS & PATTON
4800 C MONTGOMERY BLVD NE
ALBUQUERQUE, NM 87109
TEL: 505.883.4111

ARCHITECT
STEPHEN H. TEETERS ARCHITECTURE
208 GOLD AVENUE, SW
ALBUQUERQUE, NM 87102
TEL: 505.910.4600

CIVIL
LUCAS ENGINEERS & SURVEYORS
205 E 2ND ST
CLOVIS, NM 88101
TEL: 575.762.3771

ELEC. & TECHNOLOGY
BRIDGERS & PATTON
4800 C MONTGOMERY BLVD NE
ALBUQUERQUE, NM 87109
TEL: 505.883.4111

#23-0003

CURRY COUNTY LIVESTOCK PAVILION

GENERAL CONSTRUCTION NOTES

- A. CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS THEREON. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH AS MAY AFFECT THE WORK UNDER THIS CONTRACT.

GENERAL DEMOLITION NOTES

- A. CONTRACTOR IS TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. CHANGES IN DETAILING MAY BE REQUIRED AS A RESULT OF NEW FINDINGS DURING CONSTRUCTION.

GENERAL DRAWING NOTES

- 1. STATED DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHICS. DO NOT SCALE THESE DRAWINGS. THE DESIGNER SHALL BE NOTIFIED IF ANY DISCREPANCIES OCCUR PRIOR TO CONTINUING WORK.

SPECIAL INSPECTION AND TESTING

Table with columns: INSP. REQ'D, Y/N, INSPECTION TASK, FREQUENCY, REFERENCES. Includes rows for exterior cladding, access floors, storage racks, and exterior insulation.

Table with columns: INSP. REQ'D, Y/N, INSPECTION TASK, FREQUENCY, REFERENCES. Includes rows for fire penetration and fire-resistant joint systems.

LEGEND

- TRUE NORTH symbol
GRID LINE symbol
BUILDING SECTION symbol
WALL SECTION symbol
DETAIL NUMBER symbol
ELEVATION (without line) symbol
INTERIOR ELEVATION MARK symbol
ROOM NAME symbol
WALL TYPE symbol
DOOR TYPE symbol
WINDOW TYPE symbol
TOILET ACCESSORY TYPE symbol
MATERIAL TYPE symbol
ELEVATION MARK symbol
REVISION TAG symbol
MATERIAL TRANSITION symbol
CENTERLINE symbol

ABBREVIATIONS

- A.F.F. ABOVE FINISH FLOOR
A.C.I. AMERICAN CONCRETE INSTITUTE
AND AND
B. BOARD
B.D.C. BUILDING
B.O. BOTTOM OF ()
B.O.D. BASIS OF DESIGN
CONC. CONCRETE
CONC. CONTROL JOINT
COL. COLUMN
DET. DETAIL
DIA. DIAMETER
DN. DOWN
ELEV. ELEVATION
ELEC. ELECTRICAL
EQU. EQUAL
EX. EXISTING
FIN. FINISH
FLR. FLOOR
F.O. FACE OF ()
GALV. GALVANIZED
GYP. GYPSUM
ID. INSIDE DIAMETER
JT. JOINT
MECH. MECHANICAL
MIN. MINIMUM
N.C. NOT IN CONTRACT
N.T.S. NOT TO SCALE
NO. NUMBER
O.C. OWNER PROVIDED CONTRACTOR INSTALLED
O.P.C. OWNER PROVIDED CONTRACTOR INSTALLED
O.P.L. OWNER PROVIDED OWNER INSTALLED
OPP. OPPOSITE
O.T.S. OPEN TO STRUCTURE
O.D. OUTSIDE DIAMETER
PLUMB. PLUMBING
UN.O. UNLESS NOTED OTHERWISE
REF. REFERENCE
R. RISER
R.O. ROUGH OPENING
RM. ROOM
SM. SIMILAR
SSTL. STAINLESS STEEL
STRUCT. STRUCTURAL
SPEC. SPECIFICATIONS
TECH. TECHNOLOGY
T.O. TOP OF ()
T.O.C. TOP OF CONCRETE
T.O.F. TOP OF FRAMING
T.O. STL. TOP OF STEEL
T.O. W. TOP OF WALL
T. TREAD
TYP. TYPICAL
V.I.F. VERIFY IN FIELD
W. WITH

BID LOTS

- BID LOT NO. ONE: SALVAGE OPERATIONS AT BUILDINGS TO BE DEMOLISHED. COST TO SALVAGE EXISTING METAL WALL AND ROOFING PANELS, AND RETURN PANELS TO CURRY COUNTY FOR FUTURE USE OFF-SITE.

DRAWING INDEX

- GENERAL
G0.1 GENERAL NOTES
G1.1 CODE ANALYSIS
G1.2 ACCESSIBILITY DIMENSIONS + MOUNTING HEIGHTS
ARCHITECTURAL DEMO
AD0.1 ARCHITECTURAL, SITE DEMOLITION PLAN
CIVIL
C101 EXISTING SITE SURVEY
C101.1 CIVIL SITE PLAN
C101.2 S.W.P.P. DETAILS
C101.3 CIVIL DETAILS
C101.4 CIVIL DETAILS
STRUCTURAL
S0.1 INDEX, LEGEND, ABBREVIATIONS
S0.2 OUTLINE SPECIFICATIONS
S0.3 OUTLINE SPECIFICATIONS
S0.4 TYPICAL DETAILS
S1.1 FOUNDATION PLAN NORTHWEST
S1.2 FOUNDATION PLAN NORTHEAST
S1.3 FOUNDATION PLAN SOUTHWEST
S1.4 FOUNDATION PLAN SOUTHEAST
S1.5 FRAMING PLAN ENTRY CANOPY
S1.6 FOUNDATION DETAILS
S1.7 FOUNDATION DETAILS
S1.8 FOUNDATION DETAILS
ARCHITECTURAL SITE
AS1.0 SITE PLAN - BASE BID
AS1.1 SITE PLAN INCLUDING BID LOT 2
AS1.2 SITE PLAN INCLUDING BID LOT 3
AS1.3 SITE DETAILS
AS1.4 SITE DETAILS
AS1.5 SITE DETAILS
AS1.6 STAGING PLANS
ARCHITECTURE
A1.0 PARTITION TYPES
A1.1 FLOOR PLAN
A1.2 DIMENSION PLAN
A1.3 SLAB EDGE COORDINATION PLAN
A1.4 REFLECTED CEILING PLAN
A1.5 ROOF PLAN
A2.1 EXTERIOR ELEVATIONS
A2.2 INTERIOR ELEVATIONS
A3.1 BUILDING SECTIONS
A3.2 WALL SECTIONS
A3.3 WALL SECTIONS
A3.4 WALL SECTIONS
A3.5 WALL SECTIONS
A4.1 ENLARGED PLANS
A4.2 PLAN DETAILS
A5.1 SECTION DETAILS
A5.2 SECTION DETAILS
A5.3 SECTION DETAILS
A5.4 EXTERIOR FRAMING OPENING ELEVATIONS
A5.5 SCHEDULES + FINISH LEGEND
A5.6 3D PERSPECTIVES
PLUMBING
P0.1 PLUMBING LEGEND
P0.2 PLUMBING SITE PLAN
P1.1 WASTE & VENT FLOOR PLAN
P1.2 PRESSURE PIPING FLOOR PLAN
P1.3 ENLARGED PLUMBING PLANS
P1.4 PLUMBING DETAILS
P1.5 PLUMBING DETAILS
P1.6 PLUMBING DETAILS
P1.7 PLUMBING SPECIFICATIONS
FIRE PROTECTION
FX.1 FIRE PROTECTION LEGEND
FX.1.1 FIRE PROTECTION FLOOR PLAN
FX.1.2 FIRE PROTECTION DETAILS
MECHANICAL
M0.1 MECHANICAL LEGEND
M1.1 HVAC FLOOR PLAN
M4.1 MECHANICAL DETAILS
M4.2 MECHANICAL DETAILS
M4.3 MECHANICAL SCHEDULES
M4.4 MECHANICAL SCHEDULES
M4.5 MECHANICAL SCHEDULES
M4.6 MECHANICAL SCHEDULES
M4.7 MECHANICAL SCHEDULES
M4.8 MECHANICAL SCHEDULES
M4.9 MECHANICAL SCHEDULES
M4.10 MECHANICAL SCHEDULES
M4.11 MECHANICAL SCHEDULES
M4.12 MECHANICAL SCHEDULES
M4.13 MECHANICAL SCHEDULES
M4.14 MECHANICAL SCHEDULES
M4.15 MECHANICAL SCHEDULES
M4.16 MECHANICAL SCHEDULES
M4.17 MECHANICAL SCHEDULES
M4.18 MECHANICAL SCHEDULES
M4.19 MECHANICAL SCHEDULES
M4.20 MECHANICAL SCHEDULES
M4.21 MECHANICAL SCHEDULES
M4.22 MECHANICAL SCHEDULES
M4.23 MECHANICAL SCHEDULES
M4.24 MECHANICAL SCHEDULES
M4.25 MECHANICAL SCHEDULES
M4.26 MECHANICAL SCHEDULES
M4.27 MECHANICAL SCHEDULES
M4.28 MECHANICAL SCHEDULES
M4.29 MECHANICAL SCHEDULES
M4.30 MECHANICAL SCHEDULES
M4.31 MECHANICAL SCHEDULES
M4.32 MECHANICAL SCHEDULES
M4.33 MECHANICAL SCHEDULES
M4.34 MECHANICAL SCHEDULES
M4.35 MECHANICAL SCHEDULES
M4.36 MECHANICAL SCHEDULES
M4.37 MECHANICAL SCHEDULES
M4.38 MECHANICAL SCHEDULES
M4.39 MECHANICAL SCHEDULES
M4.40 MECHANICAL SCHEDULES
M4.41 MECHANICAL SCHEDULES
M4.42 MECHANICAL SCHEDULES
M4.43 MECHANICAL SCHEDULES
M4.44 MECHANICAL SCHEDULES
M4.45 MECHANICAL SCHEDULES
M4.46 MECHANICAL SCHEDULES
M4.47 MECHANICAL SCHEDULES
M4.48 MECHANICAL SCHEDULES
M4.49 MECHANICAL SCHEDULES
M4.50 MECHANICAL SCHEDULES
M4.51 MECHANICAL SCHEDULES
M4.52 MECHANICAL SCHEDULES
M4.53 MECHANICAL SCHEDULES
M4.54 MECHANICAL SCHEDULES
M4.55 MECHANICAL SCHEDULES
M4.56 MECHANICAL SCHEDULES
M4.57 MECHANICAL SCHEDULES
M4.58 MECHANICAL SCHEDULES
M4.59 MECHANICAL SCHEDULES
M4.60 MECHANICAL SCHEDULES
M4.61 MECHANICAL SCHEDULES
M4.62 MECHANICAL SCHEDULES
M4.63 MECHANICAL SCHEDULES
M4.64 MECHANICAL SCHEDULES
M4.65 MECHANICAL SCHEDULES
M4.66 MECHANICAL SCHEDULES
M4.67 MECHANICAL SCHEDULES
M4.68 MECHANICAL SCHEDULES
M4.69 MECHANICAL SCHEDULES
M4.70 MECHANICAL SCHEDULES
M4.71 MECHANICAL SCHEDULES
M4.72 MECHANICAL SCHEDULES
M4.73 MECHANICAL SCHEDULES
M4.74 MECHANICAL SCHEDULES
M4.75 MECHANICAL SCHEDULES
ELECTRICAL
E0.1 ELECTRICAL LEGEND
E0.2 DEVICE MOUNTING DETAIL
E0.3 ELECTRICAL DEMOLITION SITE PLAN
E1.1 ELECTRICAL SITE PLAN
E1.2 LIGHTING FLOOR PLAN
E1.3 POWER FLOOR PLAN
E1.4 SPECIAL SYSTEMS FLOOR PLAN
E1.5 FIRE ALARM FIRST FLOOR PLAN
E1.6 ENLARGED ELECTRICAL POWER PLANS
E1.7 ENLARGED ELECTRICAL LIGHTING PLANS
E1.8 ENLARGED ELECTRICAL SITE PLANS
E1.9 ELECTRICAL DETAIL SHEET
E2.1 ELECTRICAL DIAGRAMS
E2.2 ELECTRICAL DIAGRAMS
E2.3 ELECTRICAL DIAGRAMS
E2.4 ELECTRICAL DIAGRAMS
E2.5 ELECTRICAL DIAGRAMS
E2.6 ELECTRICAL DIAGRAMS
E2.7 ELECTRICAL DIAGRAMS
E2.8 ELECTRICAL DIAGRAMS
E2.9 ELECTRICAL DIAGRAMS
E2.10 ELECTRICAL DIAGRAMS
E2.11 ELECTRICAL DIAGRAMS
E2.12 ELECTRICAL DIAGRAMS
E2.13 ELECTRICAL DIAGRAMS
E2.14 ELECTRICAL DIAGRAMS
E2.15 ELECTRICAL DIAGRAMS
E2.16 ELECTRICAL DIAGRAMS
E2.17 ELECTRICAL DIAGRAMS
E2.18 ELECTRICAL DIAGRAMS
E2.19 ELECTRICAL DIAGRAMS
E2.20 ELECTRICAL DIAGRAMS
E2.21 ELECTRICAL DIAGRAMS
E2.22 ELECTRICAL DIAGRAMS
E2.23 ELECTRICAL DIAGRAMS
E2.24 ELECTRICAL DIAGRAMS
E2.25 ELECTRICAL DIAGRAMS
E2.26 ELECTRICAL DIAGRAMS
E2.27 ELECTRICAL DIAGRAMS
E2.28 ELECTRICAL DIAGRAMS
E2.29 ELECTRICAL DIAGRAMS
E2.30 ELECTRICAL DIAGRAMS
E2.31 ELECTRICAL DIAGRAMS
E2.32 ELECTRICAL DIAGRAMS
E2.33 ELECTRICAL DIAGRAMS
E2.34 ELECTRICAL DIAGRAMS
E2.35 ELECTRICAL DIAGRAMS
E2.36 ELECTRICAL DIAGRAMS
E2.37 ELECTRICAL DIAGRAMS
E2.38 ELECTRICAL DIAGRAMS
E2.39 ELECTRICAL DIAGRAMS
E2.40 ELECTRICAL DIAGRAMS
E2.41 ELECTRICAL DIAGRAMS
E2.42 ELECTRICAL DIAGRAMS
E2.43 ELECTRICAL DIAGRAMS
E2.44 ELECTRICAL DIAGRAMS
E2.45 ELECTRICAL DIAGRAMS
E2.46 ELECTRICAL DIAGRAMS
E2.47 ELECTRICAL DIAGRAMS
E2.48 ELECTRICAL DIAGRAMS
E2.49 ELECTRICAL DIAGRAMS
E2.50 ELECTRICAL DIAGRAMS
E2.51 ELECTRICAL DIAGRAMS
E2.52 ELECTRICAL DIAGRAMS
E2.53 ELECTRICAL DIAGRAMS
E2.54 ELECTRICAL DIAGRAMS
E2.55 ELECTRICAL DIAGRAMS
E2.56 ELECTRICAL DIAGRAMS
E2.57 ELECTRICAL DIAGRAMS
E2.58 ELECTRICAL DIAGRAMS
E2.59 ELECTRICAL DIAGRAMS
E2.60 ELECTRICAL DIAGRAMS
E2.61 ELECTRICAL DIAGRAMS
E2.62 ELECTRICAL DIAGRAMS
E2.63 ELECTRICAL DIAGRAMS
E2.64 ELECTRICAL DIAGRAMS
E2.65 ELECTRICAL DIAGRAMS
E2.66 ELECTRICAL DIAGRAMS
E2.67 ELECTRICAL DIAGRAMS
E2.68 ELECTRICAL DIAGRAMS
E2.69 ELECTRICAL DIAGRAMS
E2.70 ELECTRICAL DIAGRAMS
E2.71 ELECTRICAL DIAGRAMS
E2.72 ELECTRICAL DIAGRAMS
E2.73 ELECTRICAL DIAGRAMS
E2.74 ELECTRICAL DIAGRAMS
E2.75 ELECTRICAL DIAGRAMS
E2.76 ELECTRICAL DIAGRAMS
E2.77 ELECTRICAL DIAGRAMS
E2.78 ELECTRICAL DIAGRAMS
E2.79 ELECTRICAL DIAGRAMS
E2.80 ELECTRICAL DIAGRAMS
E2.81 ELECTRICAL DIAGRAMS
E2.82 ELECTRICAL DIAGRAMS
E2.83 ELECTRICAL DIAGRAMS
E2.84 ELECTRICAL DIAGRAMS
E2.85 ELECTRICAL DIAGRAMS
E2.86 ELECTRICAL DIAGRAMS
E2.87 ELECTRICAL DIAGRAMS
E2.88 ELECTRICAL DIAGRAMS
E2.89 ELECTRICAL DIAGRAMS
E2.90 ELECTRICAL DIAGRAMS
E2.91 ELECTRICAL DIAGRAMS
E2.92 ELECTRICAL DIAGRAMS
E2.93 ELECTRICAL DIAGRAMS
E2.94 ELECTRICAL DIAGRAMS
E2.95 ELECTRICAL DIAGRAMS
E2.96 ELECTRICAL DIAGRAMS
E2.97 ELECTRICAL DIAGRAMS
E2.98 ELECTRICAL DIAGRAMS
E2.99 ELECTRICAL DIAGRAMS
E2.100 ELECTRICAL DIAGRAMS

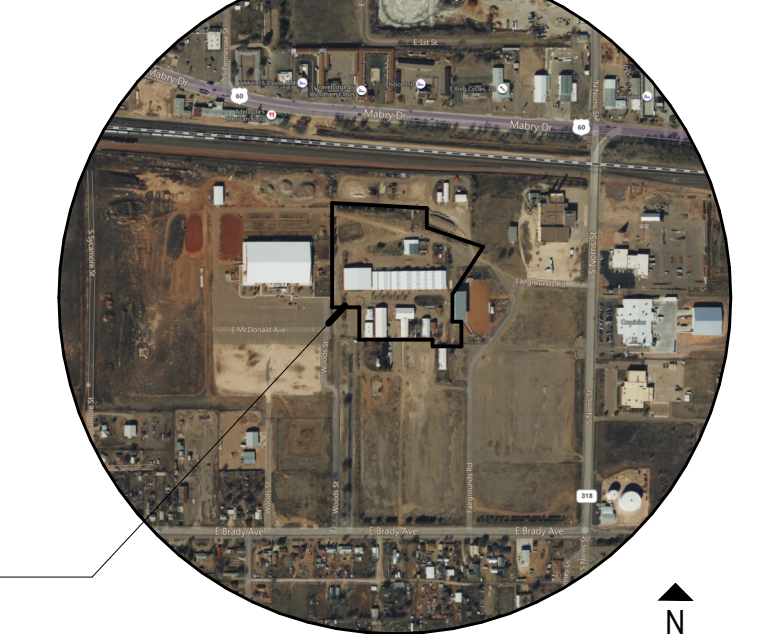
PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE DEMOLITION OF EXISTING BUILDINGS, UTILITIES, AND SITE IMPROVEMENTS. NEW SITE IMPROVEMENTS INCLUDE PAVING, LIGHTING, UTILITIES, AND STORMWATER MANAGEMENT FEATURES. THE NEW LIVESTOCK PAVILION BUILDING IS A PREENGINEERED METAL BUILDING WITH STANDING SEAM ROOFING AND METAL WALL PANELING.

DESIGN CRITERIA

Table with columns: TYPE OF BUILDING CONSTRUCTION, TYPE IB, TYPE II, TYPE III, TYPE IV, TYPE V, TYPE VI, TYPE VII, TYPE VIII, TYPE IX, TYPE X, TYPE XI, TYPE XII, TYPE XIII, TYPE XIV, TYPE XV, TYPE XVI, TYPE XVII, TYPE XVIII, TYPE XIX, TYPE XX, TYPE XXI, TYPE XXII, TYPE XXIII, TYPE XXIV, TYPE XXV, TYPE XXVI, TYPE XXVII, TYPE XXVIII, TYPE XXIX, TYPE XXX.

VICINITY MAP



APPLICABLE CODE

- 2015 NM COMMERCIAL BUILDING CODE
2015 NM EXISTING BUILDING CODE
2018 NM COMMERCIAL ENERGY CODE
2015 NM MECHANICAL CODE
2017 NM ELECTRICAL CODE
ICCANSA A117.1 - 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
IN ADDITION TO THE ABOVE REFERENCED CODES, CONSTRUCTION IS SUBJECT TO STATE AND LOCAL AMENDMENTS.

CURRY COUNTY LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
CONSTRUCTION DOCUMENTS

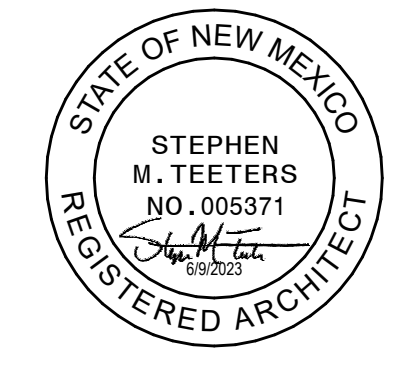
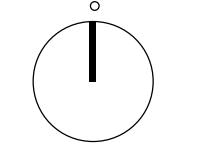


Table for REVISIONS with columns for revision number and description.

Table for NOTES with columns for note number and description.

NORTH + SCALE



DRAWING NAME

GENERAL NOTES

G0.1

GENERAL SHEET NOTES

- A. EXIT SIGNS WITH BATTERY BACK-UP ARE INDICATED ON ELECTRICAL SHEETS.
- B. EMERGENCY LIGHTING IS INDICATED ON ELECTRICAL SHEETS.
- C. SHOP DRAWINGS FOR FIRE PROTECTION SYSTEM SHALL BE SUBMITTED TO FIRE MARSHAL'S OFFICE FOR REVIEW PRIOR TO INSTALLATION IF APPLICABLE.
- D. LOCATIONS OF EXIT SIGNAGE AND EMERGENCY LIGHTING IS SUBJECT TO REVIEW BY FIRE MARSHAL AND CODE OFFICIAL PRIOR TO INSTALLATION.
- E. SHOP DRAWINGS FOR FIRE PROTECTION AND ALARM SYSTEMS SHALL INCLUDE: MANUAL ACTIVATION DEVICE LOCATIONS, LOCATIONS OF BOTH AUDIBLE AND VISUAL ALERT DEVICES, ETC.
- F. REFER TO SHEET G1.2 FOR MOUNTING HEIGHTS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.

APPLICABLE CODES

- 2015 NM COMMERCIAL BUILDING CODE
- 2015 NM EXISTING BUILDING CODE
- 2019 NM COMMERCIAL ENERGY CODE
- 2021 NM PLUMBING CODE
- 2021 NM MECHANICAL CODE
- 2017 NM ELECTRICAL CODE
- ICC/ANSI A117.1 - 2009. ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

IN ADDITION TO THE ABOVE REFERENCED CODES, CONSTRUCTION IS SUBJECT TO STATE AND LOCAL AMENDMENTS.

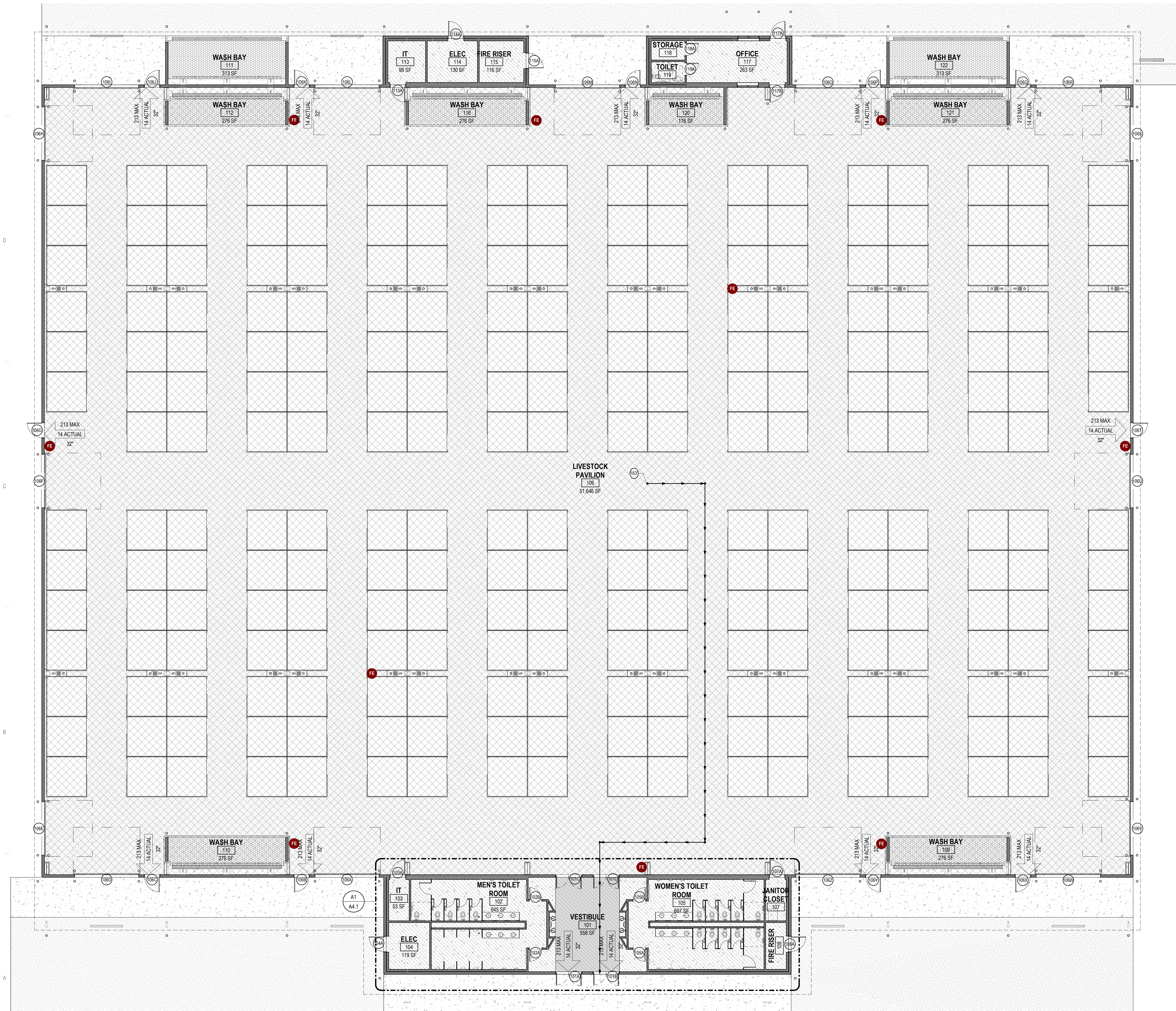
LEGEND

- XX MAX
XX ACTUAL
XX'X" → MAXIMUM OCCUPANT LOAD FOR DOOR
ACTUAL OCCUPANT LOAD FOR DOOR
WIDTH OF DOOR (IN INCHES)
- FE → FIRE EXTINGUISHER
- FUNCTION OF SPACE
U - AGRICULTURAL/LIVESTOCK SHELTERS
ACCESSORY

CODE SUMMARY

2015 INTERNATIONAL BUILDING CODE
THIS PROJECT INCLUDES A NEW LIVESTOCK PAVILION TO TEMPORARILY HOUSE LIVESTOCK ANIMALS. THE EXISTING LIVESTOCK PAVILION WILL BE DEMOLISHED AS PART OF THIS PROJECT.

- A. **USE AND OCCUPANCY CLASSIFICATION:** (SECTION 312.1)
 - OCCUPANCY GROUP: U (LIVESTOCK SHELTER)
- B. **GENERAL BUILDING HEIGHTS AND AREAS AND SEPARATION:** (CHAPTER 5 AND APPENDIX C)
 - ALLOWABLE HEIGHT, GROUP U, TYPE IIB-S (TABLE 504.3): 75'-0"
ACTUAL MAXIMUM HEIGHT: 40'
 - APPENDIX C GROUP U - AGRICULTURAL BUILDINGS
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE, GROUP U, TYPE IIB-S (TABLE C102.1): 2 STORIES
ACTUAL NUMBER OF STORIES: 1 STORY
 - SECTION C102.2 ALLOWABLE AREA: UNLIMITED AREA
NEW LIVESTOCK PAVILION BUILDING AREA: 57,216SF
 - 508.3 NON-SEPARATED OCCUPANCIES
 - 508.3.3 NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES
- C. **TYPE OF CONSTRUCTION:** (CHAPTER 5.8 AND 15)
 - CONSTRUCTION CLASSIFICATION (SECTION 602.2): TYPE IIB
 - FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 601)
 - PRIMARY STRUCTURAL FRAME: 0HRS
 - BEARING AND NONBEARING INTERIOR WALLS: 0HRS
 - FLOOR AND ROOF CONSTRUCTION: 0HRS
 - FIRE RESISTANCE RATING OF EXT. WALLS BASED ON FIRE SEPARATION DISTANCE (TABLE 602) SEPARATION DISTANCE >10 = 0HRS
 - TABLE 803.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS: NO RESTRICTIONS
 - TABLE 1505.1 MIN ROOF COVERING CLASSIFICATION: CLASS C
- D. **FIRE PROTECTION SYSTEMS:** (CHAPTER 9)
 - AUTOMATIC SPRINKLER SYSTEM PROVIDED PER 903.2.1.3, 903.3.1.1, DRY PIPE TYPE
 - TABLE 906.3(1) MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER: 75' LIGHT LOW HAZARD OCCUPANCY
- E. **MEANS OF EGRESS:** (CHAPTER 10 AND APPENDIX C)
 - TABLE 1004.1.2 OCCUPANT COUNT
 - AGRICULTURE: 57,216 GSF / 300 = 191 OCC
 - 191 OCC TOTAL
 - TABLE 1006.2.1 MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE: 75'
 - SPACES WITH ONE EXIT, MAX OCC LOAD = 49
 - SECTION C104.1 EXIT ACCESS TRAVEL DISTANCE = 300'
 - SECTION C104.1 MINIMUM OF ONE EXIT FOR EACH 15,000SF OF AREA
57,216GSF / 15,000SF = 4 EXITS MINIMUM
13 EXITS PROVIDED
- F. **PLUMBING FIXTURE REQUIREMENTS:** (TABLE 2903.1)
 - USE OF THE BUILDING: U GROUP (LIVESTOCK SHELTER)
 - OCCUPANT LOAD: U GROUP (AGRICULTURE): 191
 - TABLE 2903.1 DOES NOT INCLUDE FIXTURE REQUIREMENTS FOR U GROUP. THE EXISTING LIVESTOCK PAVILION THAT IS BEING REPLACED AS PART OF THIS PROJECT DOES NOT INCLUDE TOILET FACILITIES. BASED UPON HISTORICAL USE, THE OWNER HAS DETERMINED THAT THE NUMBER OF FIXTURES INCLUDED EXCEEDS THE ACTUAL NEED.
 - PROVIDED FIXTURES:
 - WOMEN: 10 WATER CLOSETS, 6 LAVATORIES
 - MEN: 5 WATER CLOSETS, 8 URINALS, 6 LAVATORIES
 - GENERAL: 1 MOP SINK, 4 DRINKING FOUNTAINS, 2 BOTTLE FILLERS

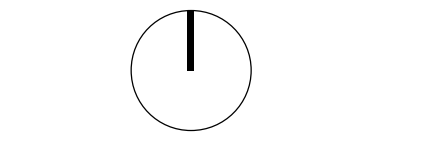


REVISIONS

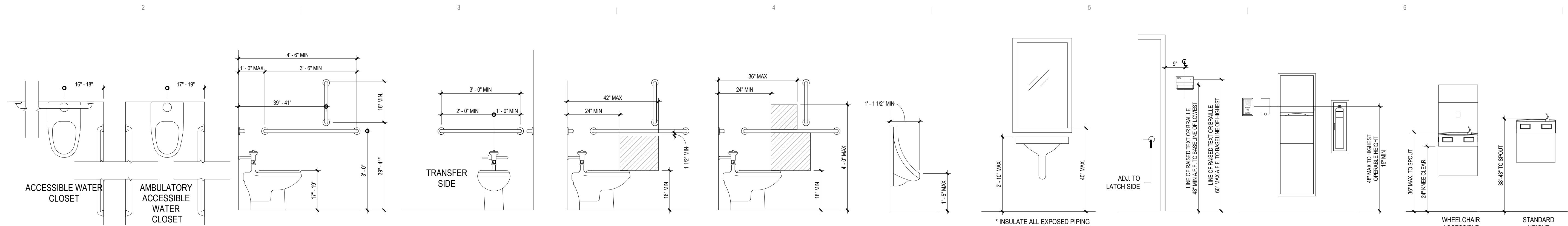
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

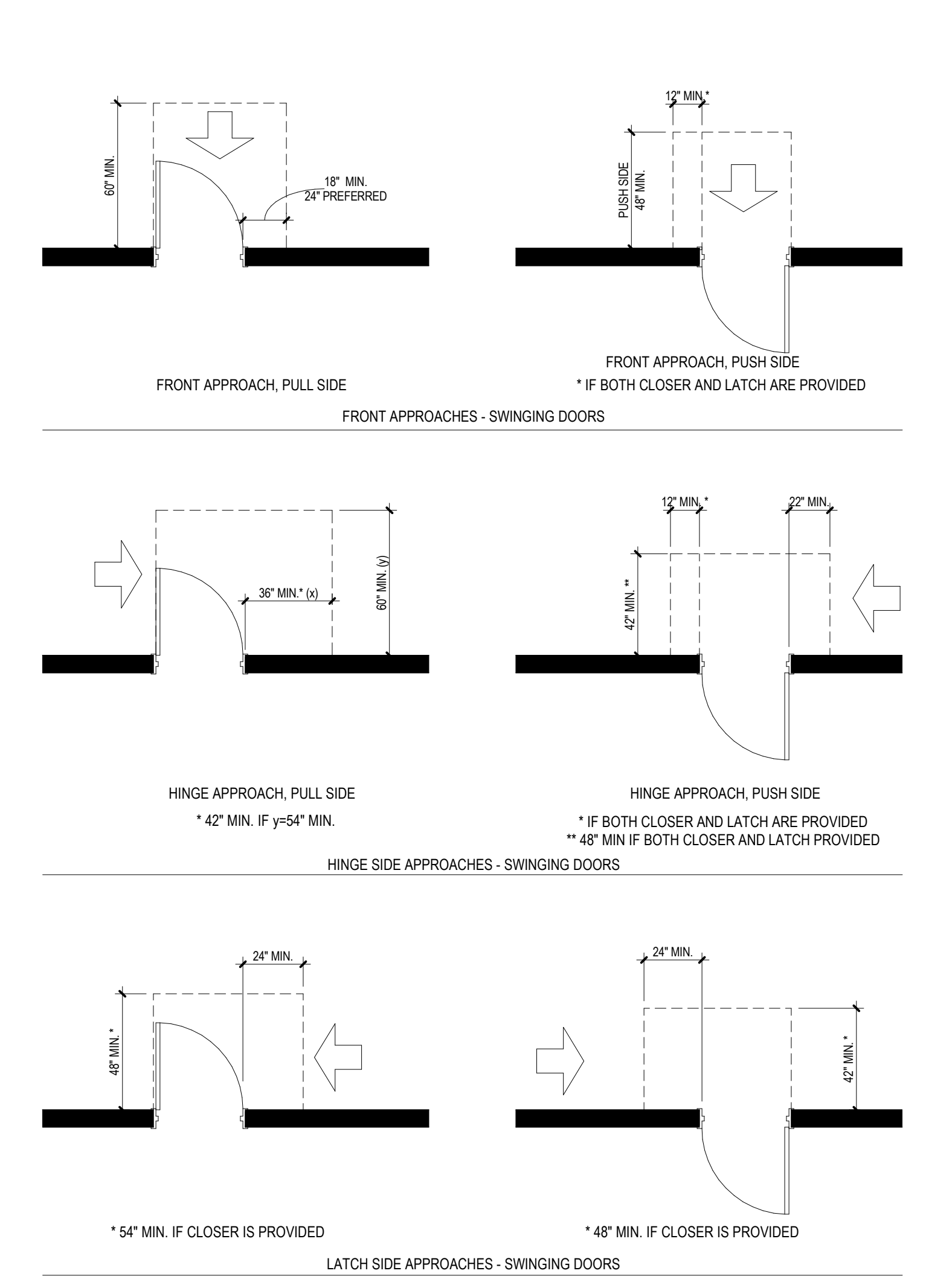
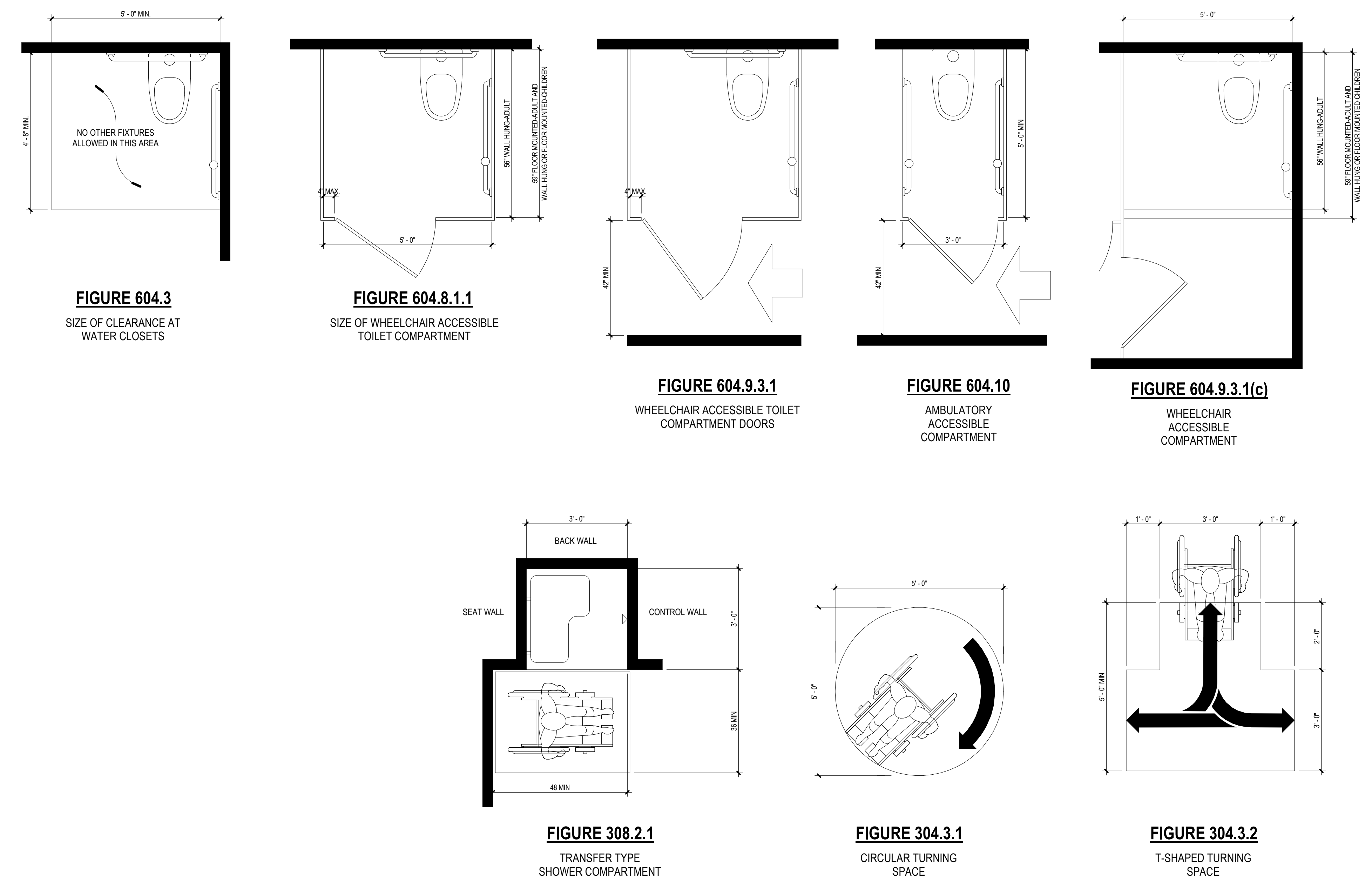
NORTH + SCALE



DRAWING NAME
CODE PLAN



GROUP A - MOUNTING HEIGHTS ADULT



REVISIONS

NOTES

DRAWN BY: SS
 REVIEWED BY: ST
 DATE: 6/9/2023
 PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
ACCESSIBILITY DIMENSIONS + MOUNTING HEIGHTS

G1.2

GENERAL SHEET NOTES

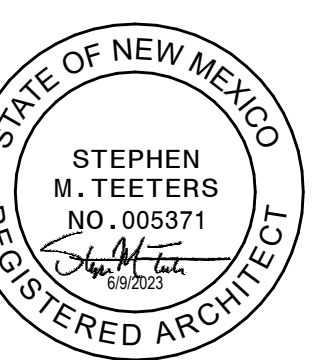
- A. CONTRACTOR TO COORDINATE SCOPE OF DEMOLITION WITH BID LOTS.
- B. CONTRACTOR TO COORDINATE EXISTING UTILITY DISRUPTIONS AND RELOCATIONS WITH THE OWNER.
- C. COORDINATE ADDITIONAL DEMOLITION INFORMATION WITH THE REMAINING DEMOLITION SHEETS.
- D. CONTRACTOR TO COORDINATE THE INSTALLATION OF ANY UTILITY WITH ALL EXISTING CONDITIONS. ROUTE UTILITY TO MINIMIZE THE AMOUNT OF REPAIR TO EXISTING UTILITIES. IRRIGATION, STORM WATER, CONCRETE, ASPHALT, AND LANDSCAPING. COORDINATE WITH CIVIL.
- E. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES IF APPLICABLE.
- F. PROVIDE SHORING AND NECESSARY SAFETY MEASURES TO ENSURE SAFE DEMOLITION.
- G. REPAIR GRASS AND IRRIGATION SYSTEMS AS REQUIRED.
- H. REPAIR CONCRETE AS REQUIRED RELATED TO ALL UTILITY IMPROVEMENTS.
- I. ALL EXISTING UTILITIES SHOWN REFLECT THE BEST INFORMATION AVAILABLE AND ARE APPROXIMATE ONLY. FOUR (4) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (PHONE NO. 505-286-1900) FOR LOCATION OF EXISTING UTILITIES.
- J. CONTRACTOR TO BE PREPARED TO CLEAR AND GRUB AREAS OUTSIDE OR PREVIOUSLY DISTURBED AREAS AND REMOVE TREES THAT ARE IN CONFLICT WITH NEW CONSTRUCTION.
- K. ALL TREES AND SHRUBS NOT INDICATED ON THIS PLAN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION.
- L. TO GREATEST EXTENT POSSIBLE PROTECT AND SAVE ALL EXISTING TREES, REGARDLESS IF NOTED TO BE REMOVED DURING CONSTRUCTION.
- M. CONTRACTOR SHALL ESTABLISH A TREE-PROTECTION ZONE AROUND EACH EXISTING TREE WITH EACH TREE WITH A RADIUS 1.5 TIMES THE DIAMETER OF THE DRIP LINE UNLESS OTHERWISE INDICATED.
- N. CONTRACTOR SHALL ERECT PROTECTIVE BARRIERS (FENCING) AT THE PERIMETER OF TREE-PROTECTION ZONES. NO WORK SHALL BEGIN WHERE TREE PROTECTION FENCING HAS NOT BEEN COMPLETED AND APPROVED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING CONSTRUCTION. THE FENCING WILL BE A MINIMUM OF 4' HEIGHT.
- O. CONTRACTOR SHALL NOT STORE OR DRIVE EQUIPMENT, VEHICLES OR MATERIALS WITHIN THE TREE-PROTECTION ZONE.
- P. CONTRACTOR SHALL PROTECT EXISTING ROOTS FROM DAMAGE WHEN WORKING WITHIN THE TREE-PROTECTION ZONE. THE CONTRACTOR SHALL LIMIT DEMOLITION OR OTHER CONSTRUCTION ACTIVITIES WITHIN THE ROOT PROTECTION ZONE TO THE MINIMUM DISTURBANCE REQUIRED TO COMPLETE CONSTRUCTION.
- Q. CONTRACTOR SHALL NOT ALLOW CONCRETE TRUCKS TO CLEAN CHUTES OR DUMP EXCESS CONCRETE OR ANY OTHER CEMENTITIOUS PRODUCTS IN ANY PORTION OF THE SITE. CONTRACTOR SHALL CLEAN THE WASTE OF OTHER CEMENTITIOUS MATERIALS FROM THE SURFACE AND THEY SHALL NOT BE TURNED UNDER DURING FINAL GRADING.
- R. CONTRACTOR TO PATCH, REPAIR OR REPLACE ANY SITE ELEMENTS THAT ARE REMOVED WHERE UTILITIES ARE RUNNING UNDERGROUND. PATCH AND REPAIR TO MATCH PREVIOUSLY EXISTING SITE CONDITION.
- S. EXISTING IRRIGATION SYSTEM TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT. IF IRRIGATION LINES, SPRINKLER HEADS OR ANY OTHER PORTIONS OF THE SYSTEM ARE DAMAGED REPAIR AS REQUIRED.
- T. INSTALL GRASS SOO IN AREAS WHERE TRENCHING OR HEAVY TRAFFIC HAS DAMAGED EXISTING GRASS. SOO SPECIES TO MATCH EXISTING.
- U. IRRIGATION SYSTEM TO BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW WORK. IRRIGATION MODIFICATIONS / REPAIRS WILL BE MADE BY OWNER.

REFERENCE KEYNOTES

- 02 0100.01 EXISTING FRODO MOUNT HVAC EQUIPMENT TO REMAIN
- 02 0100.02 EXISTING SECONDARY ELECTRICAL DISTRIBUTION EQUIPMENT ATTACHED TO BUILDING TO REMAIN. TEMPORARILY LEAVE PORTION OF CMU WALL AND FOUNDATION IN ORDER TO SUPPORT EXISTING EQUIPMENT
- 02 0100.03 EXISTING FA "R" STEEL LETTERS, REMOVE ANCHORS AND REUSE LETTERS IN NEW WORK
- 02 0100.04 REMOVE BUILDING LETTERING AND SUPPORTS FROM BUILDING PRIOR TO DEMOLITION. REUSE BUILDING LETTERS IN NEW WORK. SIGNS ARE AS FOLLOWS: "SWINE", "DAIRY", "BEEF", "GOAT & SHEEP" AND "RABBIT & POULTRY".
- 02 0100.05 EXISTING DRAINAGE CHANNEL TO REMAIN
- 02 0100.06 OWNER TO RELOCATE PORTABLE BUILDING
- 02 0100.07 EXISTING TREE TO REMAIN. CONSTRUCT AROUND TREE. MAINTAIN SOIL LEVEL AT TRUNK OF TREE.
- 02 4000.01 DEMOLISH BUILDING COMPLETE. SEE BID LOTS. REMOVE ALL ASSOCIATED UTILITIES AND CAP SUPPLY RUNS AT SOURCE
- 02 4000.02 DEMOLISH SURFACE IMPROVEMENTS AND HEADER CURB. SALVAGE TREES
- 02 4000.03 DEMOLISH CONCRETE PAVEMENT
- 02 4000.04 DEMOLISH BUILDING COMPLETE. REMOVE ANIMAL PEN STALLS AND DISASSEMBLE DIVIDER PANELS FOR REUSE. SEE BID LOTS. REMOVE ALL ASSOCIATED UTILITIES AND CAP SUPPLY RUNS OUTSIDE OF NEW WORK BOUNDARY
- 02 4000.05 DEMOLISH CMU STRUCTURE. REMOVE ALL ASSOCIATED UTILITIES AND CAP SUPPLY RUNS AT SOURCE
- 02 4000.06 DEMOLISH FENCE
- 02 4000.07 EXISTING DETENTION POND TO BE RECONFIGURED
- 02 4000.08 DEMOLISH GRAVEL ROAD
- 02 4000.09 DEMOLISH TREE
- 02 4000.10 NEW BUILDING FOOTPRINT. DEMOLISH ALL MISCELLANEOUS POSTS, BOLLARDS, PAVING, TREES, SHRUBBERY, LIGHTS, ANIMAL PENS, UTILITIES AND OTHER MISCELLANEOUS STRUCTURES
- 02 4000.11 DEMOLISH SIGN
- 02 4000.12 EXISTING RV, OWNER TO RELOCATE PRIOR TO COMMENCEMENT OF WORK
- 02 4000.13 DEMOLISH ALL MISCELLANEOUS POSTS, BOLLARDS, PAVING, LIGHTS, ANIMAL PENS AND OTHER MISCELLANEOUS STRUCTURES WITHIN BOUNDARY
- 02 4000.14 DEMOLISH ANIMAL PENS. REMOVE UNNECESSARY UTILITIES
- 02 4000.17 DEMOLISH FIRE HYDRANT AND ASSOCIATED BRANCH LINE. ROUTE NEW LINES AS REQUIRED
- 02 4000.18 DEMOLISH SEWER LINE AND TERMINATE OUTSIDE BUILDING FOOTPRINTS, INCLUDING FUTURE BUILDING FOOTPRINTS
- 02 4000.19 DEMOLISH PORTION OF FENCE. TERMINATE CLEANLY AT VERTICAL POST
- 02 4000.20 DEMOLISH WATER BOOM ARM AND ASSOCIATED BRANCH LINE. CAP SUPPLY RUN AT SOURCE
- 02 4000.21 COORDINATE REQUIRED DEMOLITION IN THE CONSTRUCTION AREA AND BEYOND AS REQUIRED
- 02 4000.22 DEMOLISH EXISTING SPIGOT. CAP SUPPLY RUN AT SOURCE
- 02 4000.23 EXISTING ELECTRICAL GEAR. SEE ELECTRICAL
- 02 4000.25 EXISTING COMMUNICATION GEAR. CONTRACTOR TO PROVIDE NECESSARY IMPROVEMENTS
- 02 4000.26 EXISTING BOXCAR. CONTRACTOR TO MOVE TO NEW LOCATION PER OWNER'S INSTRUCTIONS
- 02 4000.27 RELOCATE BLEACHERS PER OWNER INSTRUCTIONS
- 02 4000.28 EXISTING ELECTRICAL GEAR. CONTRACTOR TO PROVIDE NECESSARY IMPROVEMENTS
- 02 4000.29 DEMOLISH WATER VALVE. CAP SUPPLY RUN AT SOURCE
- 02 4000.30 EXISTING FIRE HYDRANT TO REMAIN
- 02 4000.31 DEMOLISH GAS METER. CAP SUPPLY RUNS AT SOURCE
- 02 4000.32 DEMOLISH GAS PRESSURE REGULATOR. CAP SUPPLY RUNS AT SOURCE

LEGEND

- DEMOLISH EXISTING BUILDING AREA
- DEMOLISH EXISTING SITE AREA
- EXISTING BUILDING TO REMAIN
- EXISTING CONCRETE PAVEMENT



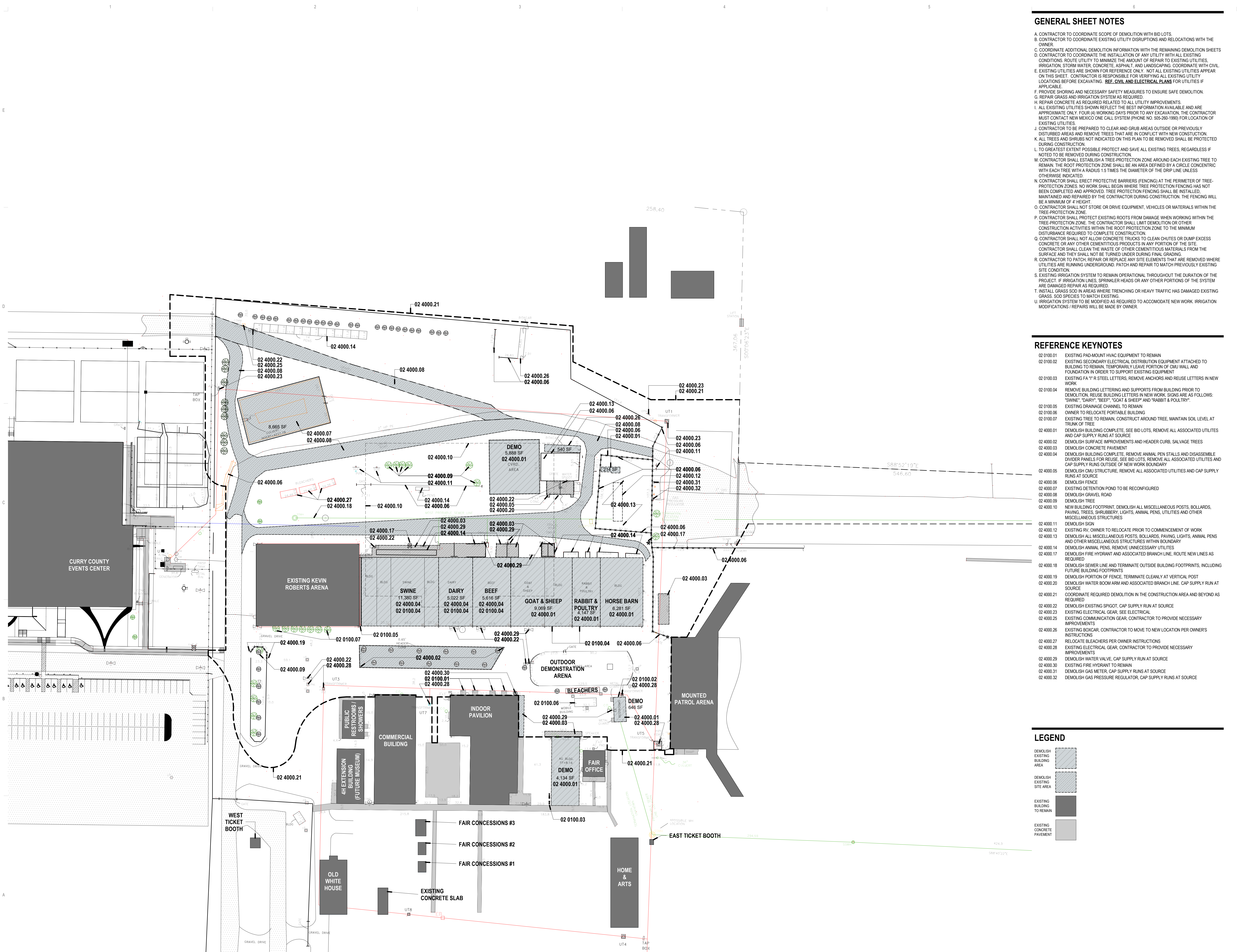
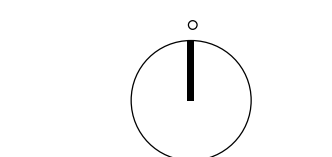
REVISIONS

NO.	DATE	DESCRIPTION

NOTES

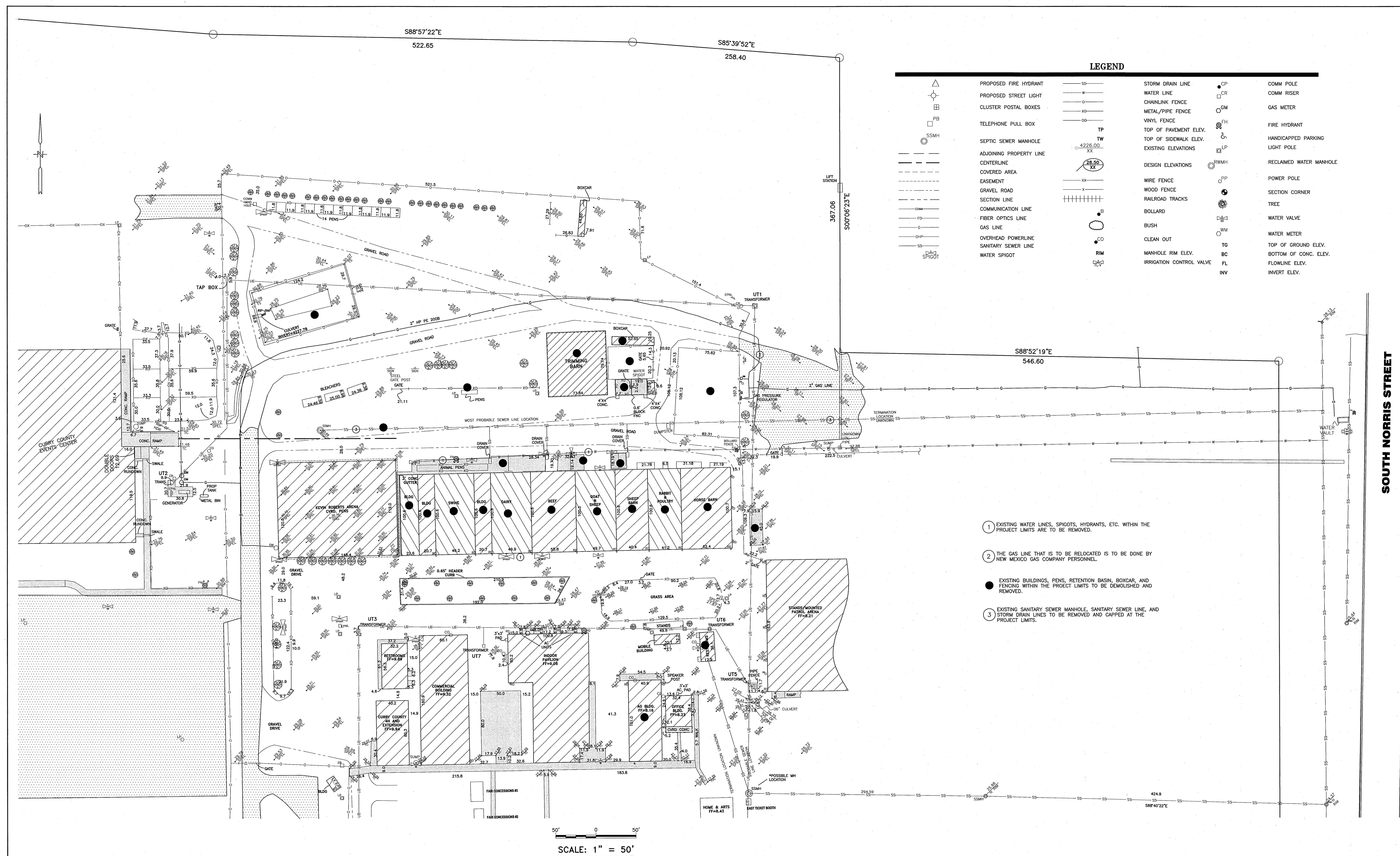
DRAWN BY	SS
REVIEWED BY	ST
DATE	6/9/2023
PROJECT NO.	#23-0003

NORTH + SCALE



A1 SITE DEMO PLAN
1" = 50'-0"

6/13/2023 2:32:50 PM



LEGEND

	PROPOSED FIRE HYDRANT		STORM DRAIN LINE		COMM POLE
	PROPOSED STREET LIGHT		WATER LINE		COMM RISER
	CLUSTER POSTAL BOXES		CHAINLINK FENCE		GAS METER
	TELEPHONE PULL BOX		METAL/PIPE FENCE		FIRE HYDRANT
	SEPTIC SEWER MANHOLE		VINYL FENCE		HANDICAPPED PARKING
	ADJOINING PROPERTY LINE		TOP OF PAVEMENT ELEV.		LIGHT POLE
	CENTERLINE		TOP OF SIDEWALK ELEV.		RECLAIMED WATER MANHOLE
	COVERED AREA		EXISTING ELEVATIONS		POWER POLE
	EASEMENT		DESIGN ELEVATIONS		SECTION CORNER
	GRAVEL ROAD		WIRE FENCE		TREE
	SECTION LINE		WOOD FENCE		WATER VALVE
	COMMUNICATION LINE		RAILROAD TRACKS		WATER METER
	FIBER OPTICS LINE		BOLLARD		TOP OF GROUND ELEV.
	GAS LINE		BUSH		BOTTOM OF CONC. ELEV.
	OVERHEAD POWERLINE		CLEAN OUT		FLOWLINE ELEV.
	SANITARY SEWER LINE		MANHOLE RIM ELEV.		INVERT ELEV.
	WATER SPIGOT		IRRIGATION CONTROL VALVE		

- 1 EXISTING WATER LINES, SPIGOTS, HYDRANTS, ETC. WITHIN THE PROJECT LIMITS ARE TO BE REMOVED.
- 2 THE GAS LINE THAT IS TO BE RELOCATED IS TO BE DONE BY NEW MEXICO GAS COMPANY PERSONNEL.
- 3 EXISTING BUILDINGS, FENS, RETENTION BASIN, BOXCAR, AND FENCING WITHIN THE PROJECT LIMITS TO BE DEMOLISHED AND REMOVED.
- 4 EXISTING SANITARY SEWER MANHOLE, SANITARY SEWER LINE, AND STORM DRAIN LINES TO BE REMOVED AND CAPPED AT THE PROJECT LIMITS.

SOUTH NORRIS STREET

SCALE: 1" = 50'
DATE: JUNE 2023

REV. NO.	DATE	DRAWN	CHK'D	REMARKS

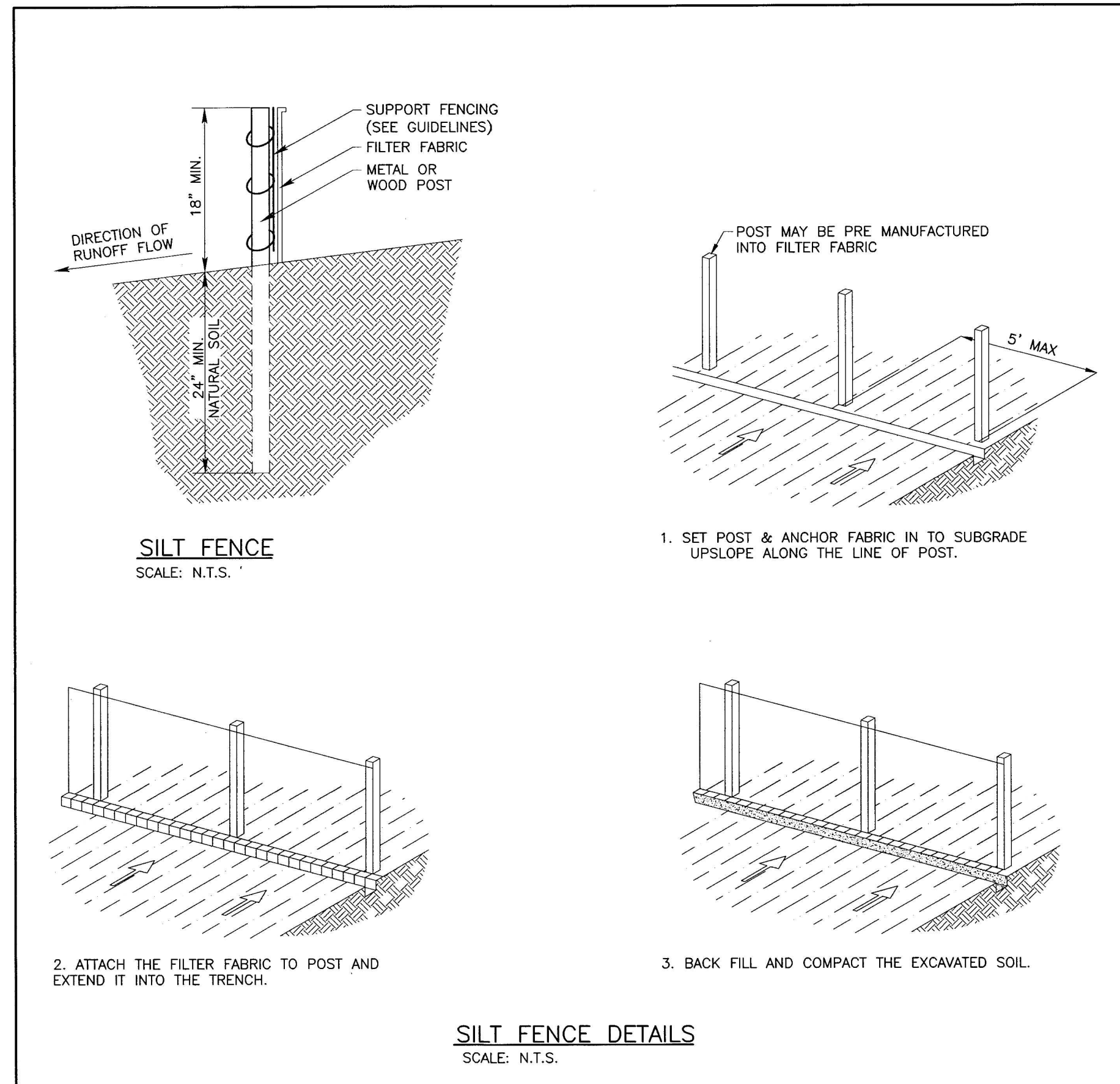
DESIGNED BY: RCL
DRAWN BY: MUI/RS
SHEET CHK'D BY: RCL
CROSS CHK'D BY:
APPROVED BY: RCL
DATE: 06/12/2023

LYDICK
ENGINEERS & SURVEYORS
205 EAST SECOND STREET
CLOVIS, NEW MEXICO 88101
(575) 782-3771

LIVESTOCK PAVILION AREA
1900 E. BRADY AVE.
CITY OF CLOVIS
CURRY COUNTY, NEW MEXICO

EXISTING SITE SURVEY

PROJECT NO.
28111
SHEET NO.
C-101



CONSTRUCTION SPECIFICATIONS FOR SILT BARRIER FENCE MATERIALS

1. SYNTHETIC FILTER FABRIC SHALL BE A PEROUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENT (PER ASTM METHODS):

PHYSICAL PROPERTY	REQUIREMENTS
GRAB TENSILE	100 LBS MIN.
ELONGATION	30% MAX.
TRAPEZOIDAL TEAR	55 LBS MIN.
MULLEN BURST	270 LBS MIN.
PERMITIVITY	0.2 SEC-1
AGS (U.S. STD. SIEVE)	20-100

2. SYNTHETIC FILTER SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE OF 0° TO 120°

3. STAKES FOR THE SILT FENCE SHALL BE 2" X 2" (OAK), 4" X 4" (PINE), OR STD. 'U' OR 'I' SECTION STEEL POSTS (MIN. WT OF 1.33 LBS/FT.). STAKES SHALL BE A MINIMUM OF 6' LONG.

4. THE CONTRACTOR MAY USE PREFABRICATED SILT BARRIER FENCES (FENCE MATERIAL WITH INTEGRAL POSTS) PROVIDED THE FENCE MATERIALS MEET OR EXCEED THE REQUIREMENTS STATED IN NOTES 1 THRU 3 ABOVE.

SILT FENCE INSTALLATION

1. THE HEIGHTS OF THE SILT FENCE SHALL BE A MIN. OF 18" AND A MAXIMUM OF 34" ABOVE FINISH GRADE.

2. STANDARD STRENGTH SYNTHETIC FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS (AND THUS IMPROVE THE BARRIER STRENGTH AND EFFICIENCY.)

3. THE STAKES SHALL BE SPACED A MAXIMUM OF 5' APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (1' - 6" MINIMUM).

4. THE SILT FENCE SHALL BE STAPLED TO THE STAKES WITH 6" OF FABRIC EXTENDED INTO THE TRENCH. HEAVY DUTY WIRE STAPLES (1/2" LONG MIN.) SHALL BE USED. THE FENCE SHALL NOT BE STAPLED TO EXISTING TREES.

5. THE FABRIC SHALL BE BACK FILLED AND THE SOIL COMPACTED OVER THE FENCE FABRIC MATERIAL.

6. IF A SILT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, THE BARRIER SHALL BE OF SUFFICIENT LENGTH TO ELIMINATE END FLOW.

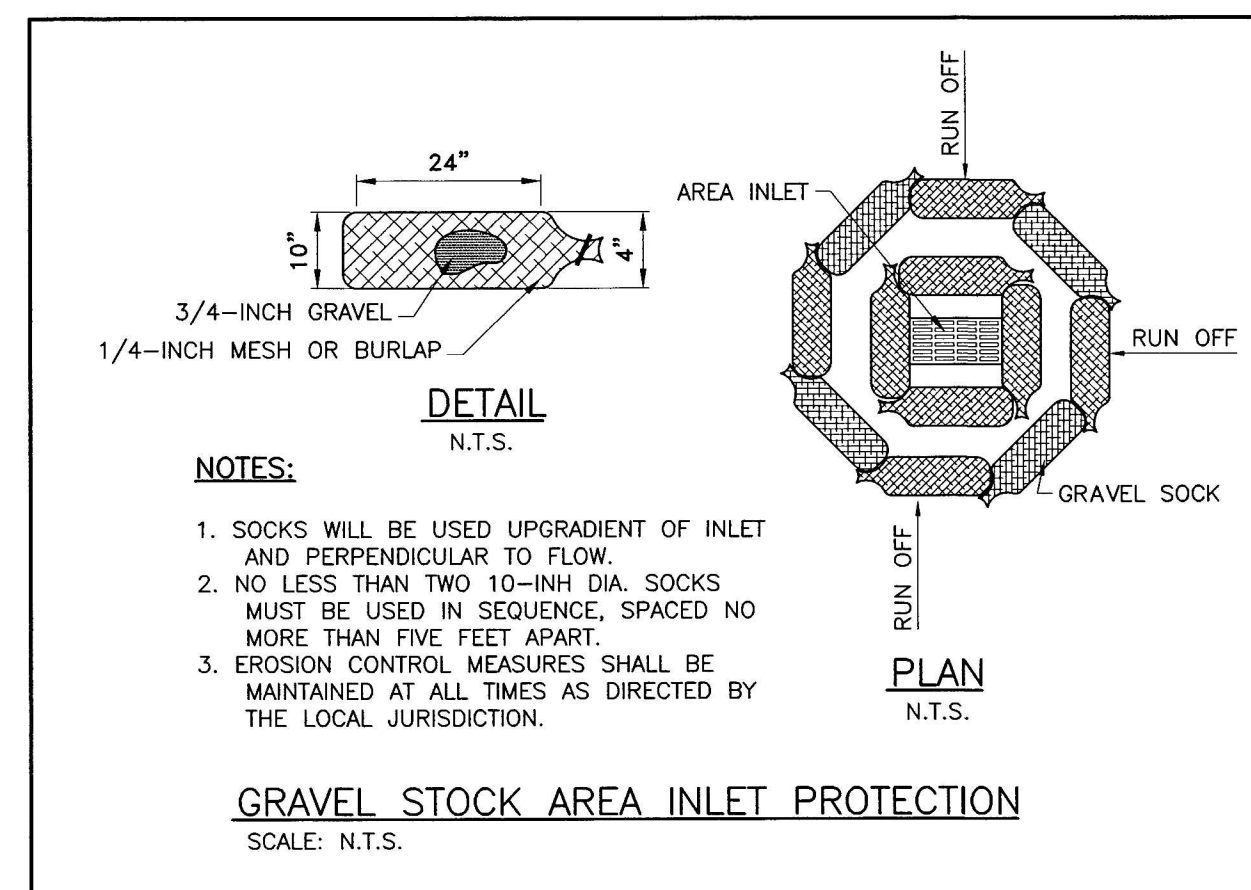
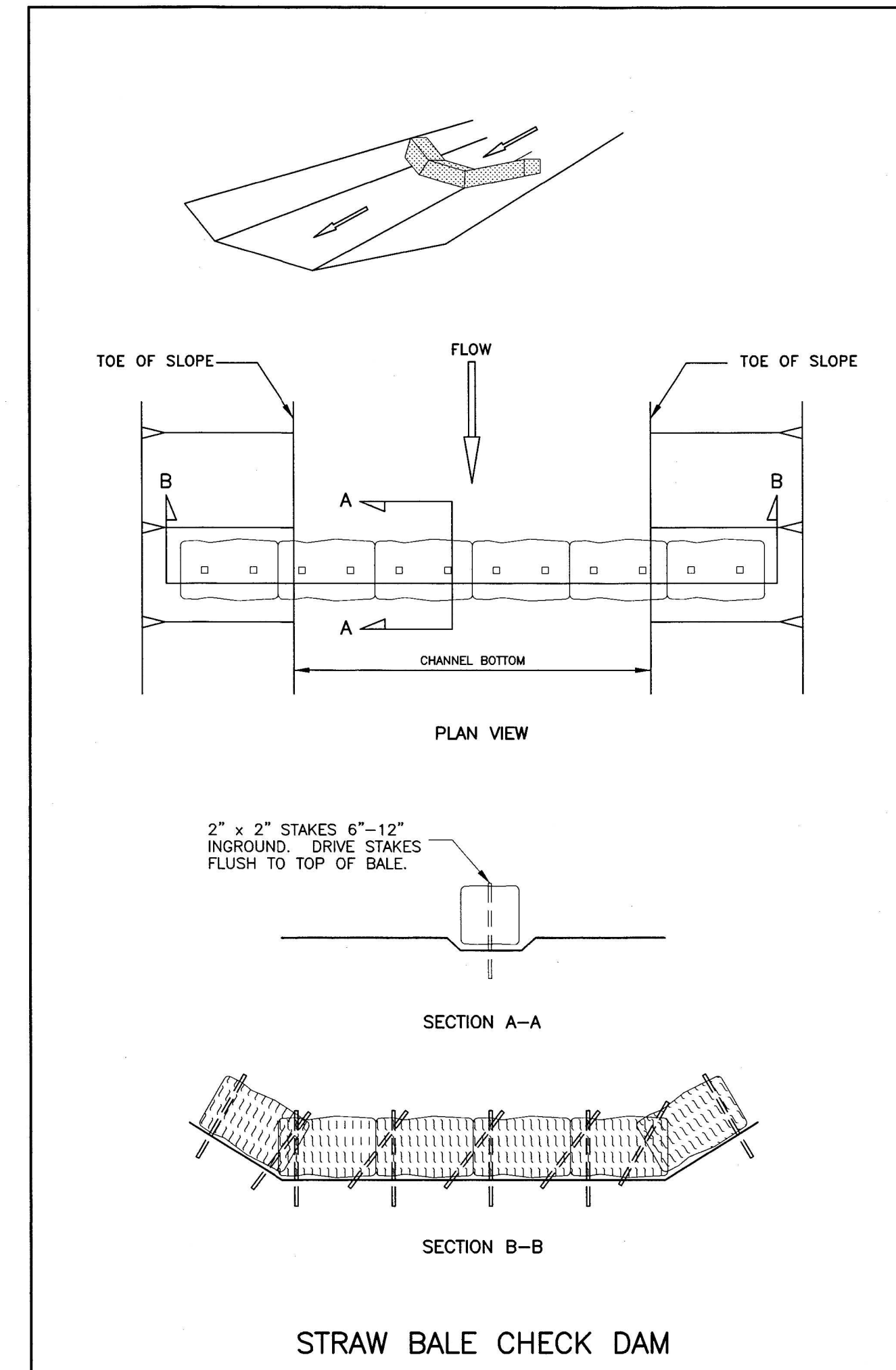
7. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED AND APPROVED BY THE CONTRACTING OFFICER.

EROSION CONTROL PERFORMANCE STANDARDS:

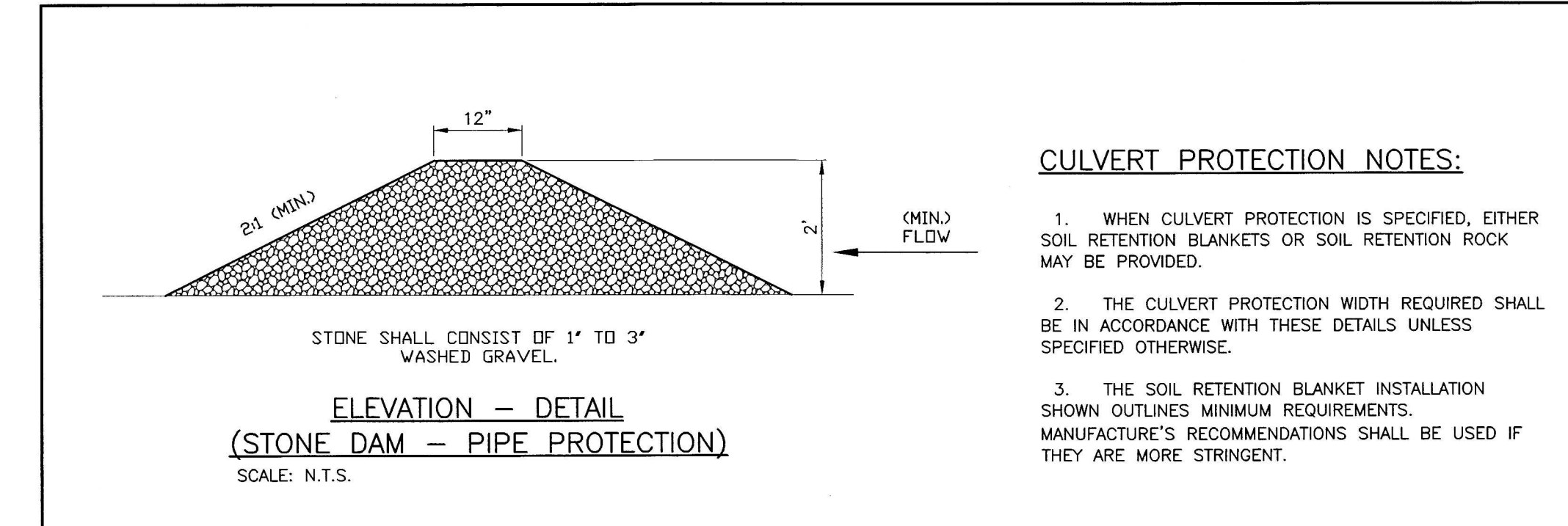
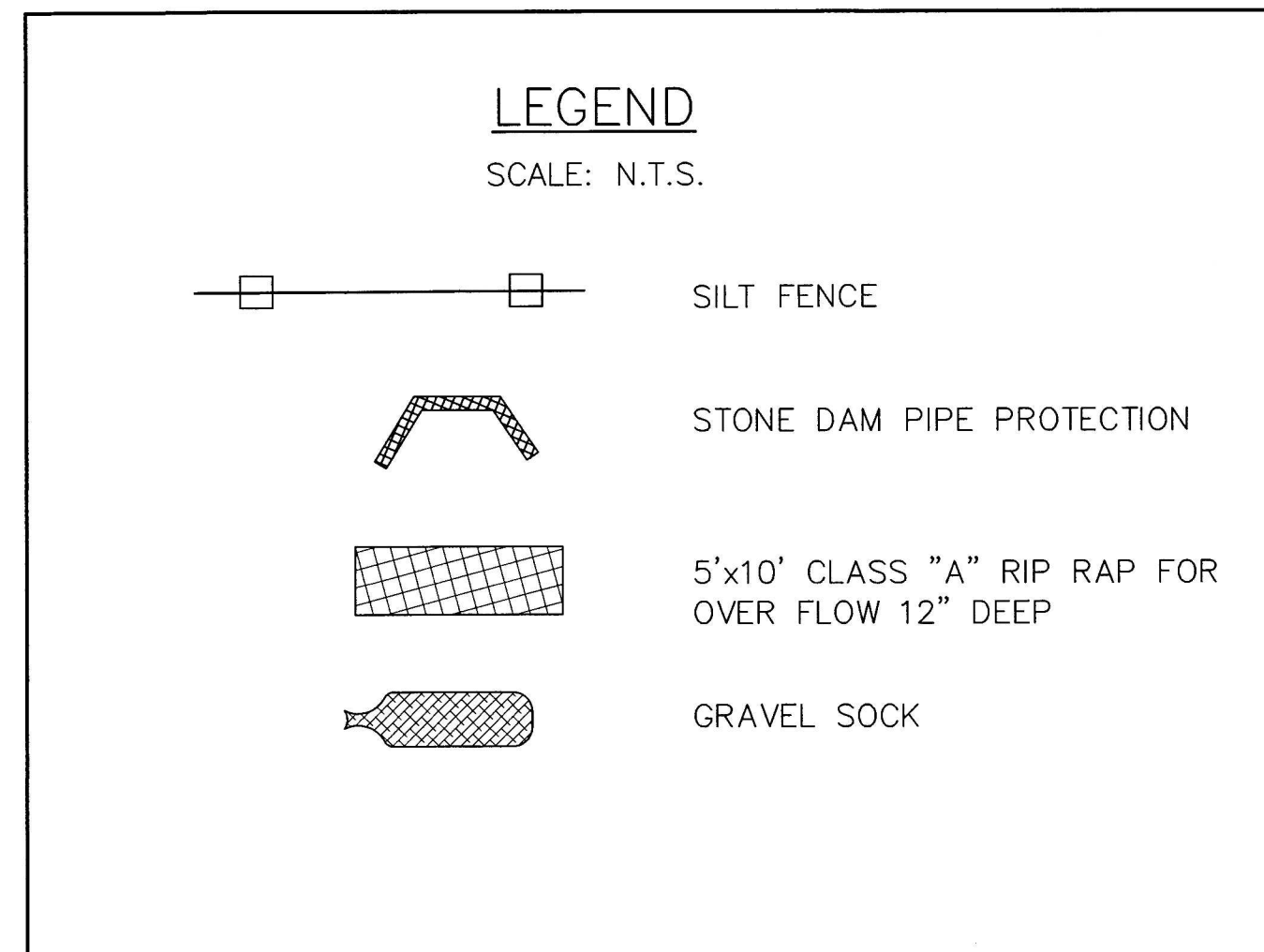
- ANY LAND DISTURBING ACTIVITY SHALL BE CONDUCTED IN SUCH A MANNER AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION.
- SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE REMOVED FROM RUNOFF WATER BEFORE LEAVING THE SITE.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND AREAS OF LAND DISTURBANCE GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO APPROVED CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
- THE PERMITEE IS RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL STRUCTURES. THESE STRUCTURES ARE TO BE INSPECTED BY THE PERMITEE EVERY TEN (10) DAYS AND AFTER EVERY PRECIPITATION EVENT TO INSURE THEIR EFFICIENCY AND TO EVALUATE MAINTENANCE NEEDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE ANY MEASURES NECESSARY TO COMPLY WITH ANY CITY DUST CONTROL ORDINANCE. DUST CONTROL WILL NOT BE PAID AS A SEPARATE ITEM AND THE CONTRACTOR SHALL INCLUDED ALL COSTS ASSOCIATED WITH DUST CONTROL AS A PART OF HIS OVERALL BID FOR THIS PROJECT.
- EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PER FINAL EROSION CONTROL PLAN.

GENERAL EROSION CONTROL NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF CLOVIS DEPARTMENT OF PUBLIC WORKS. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF CLOVIS INSPECTION SECTION A MINIMUM OF FORTY EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION.
- CONSTRUCTION SHALL NOT BEGIN UNTIL A PERMIT HAS BEEN ISSUED.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY TRACKING OR SEDIMENT ONTO AREA STREETS. STREETS ARE TO BE KEPT CLEAN THROUGHOUT BUILD OUT.
- EROSION AND SEDIMENT CONTROL STRUCTURES ARE TO BE INSPECTED AND MAINTAINED AFTER EVERY RUNOFF EVENT.
- TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICABLE ON THE SITE FOR USE ON AREAS TO BE REVEGETATED. ANY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROSION ELEMENTS.
- PERMANENT SOIL EROSION CONTROL MEASURES WILL INCLUDE PAVEMENT SURFACING AND PERMANENT LANDSCAPING. PERMANENT SOIL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN AS SOON AFTER REMOVAL OF TOPSOIL MATERIAL AS POSSIBLE. PRIOR TO INSTALLATION OF PERMANENT EROSION MEASURES, THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING MEASURES TO PREVENT EROSION OF DISTURBED SOIL BY ABNORMAL WINDS.
- TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE MAINTAINED TO PREVENT DAMAGING FLOWS ON THE SITE AND IN THE WATERSHED BELOW THE SITE. TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES.



- NOTES:**
- SOCKS WILL BE USED UPGRADIENT OF INLET AND PERPENDICULAR TO FLOW.
 - NO LESS THAN TWO 10-INCH DIA. SOCKS MUST BE USED IN SEQUENCE, SPACED NO MORE THAN FIVE FEET APART.
 - EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES AS DIRECTED BY THE LOCAL JURISDICTION.

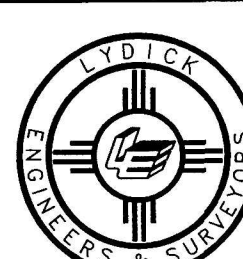


CULVERT PROTECTION NOTES:

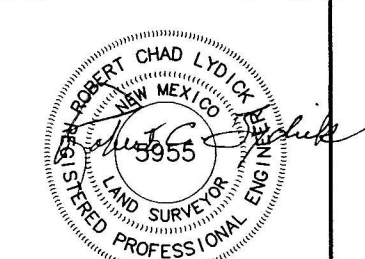
- WHEN CULVERT PROTECTION IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR SOIL RETENTION ROCK MAY BE PROVIDED.
- THE CULVERT PROTECTION WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
- THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURE'S RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.

REV. NO.	DATE	DRAWN	CHK'D	REMARKS

DESIGNED BY: RCL
 DRAWN BY: AMJ/AG
 SHEET CHK'D BY: RCL
 CROSS CHK'D BY:
 APPROVED BY: RCL
 DATE: 06/09/2023



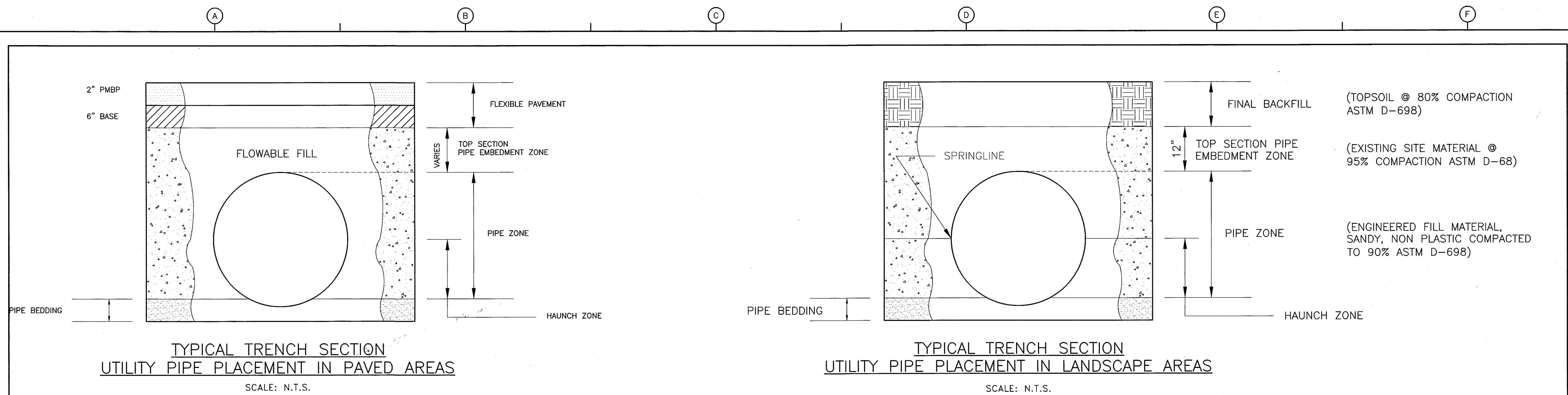
LYDICK
 ENGINEERS & SURVEYORS
 205 EAST SECOND STREET
 CLOVIS, NEW MEXICO 88101
 (575) 762-3771



LIVESTOCK PAVILION AREA
CITY OF CLOVIS
CURRY COUNTY, NEW MEXICO

S.W.P.P. DETAILS

PROJECT NO.
28111
 SHEET NO.
CG-402



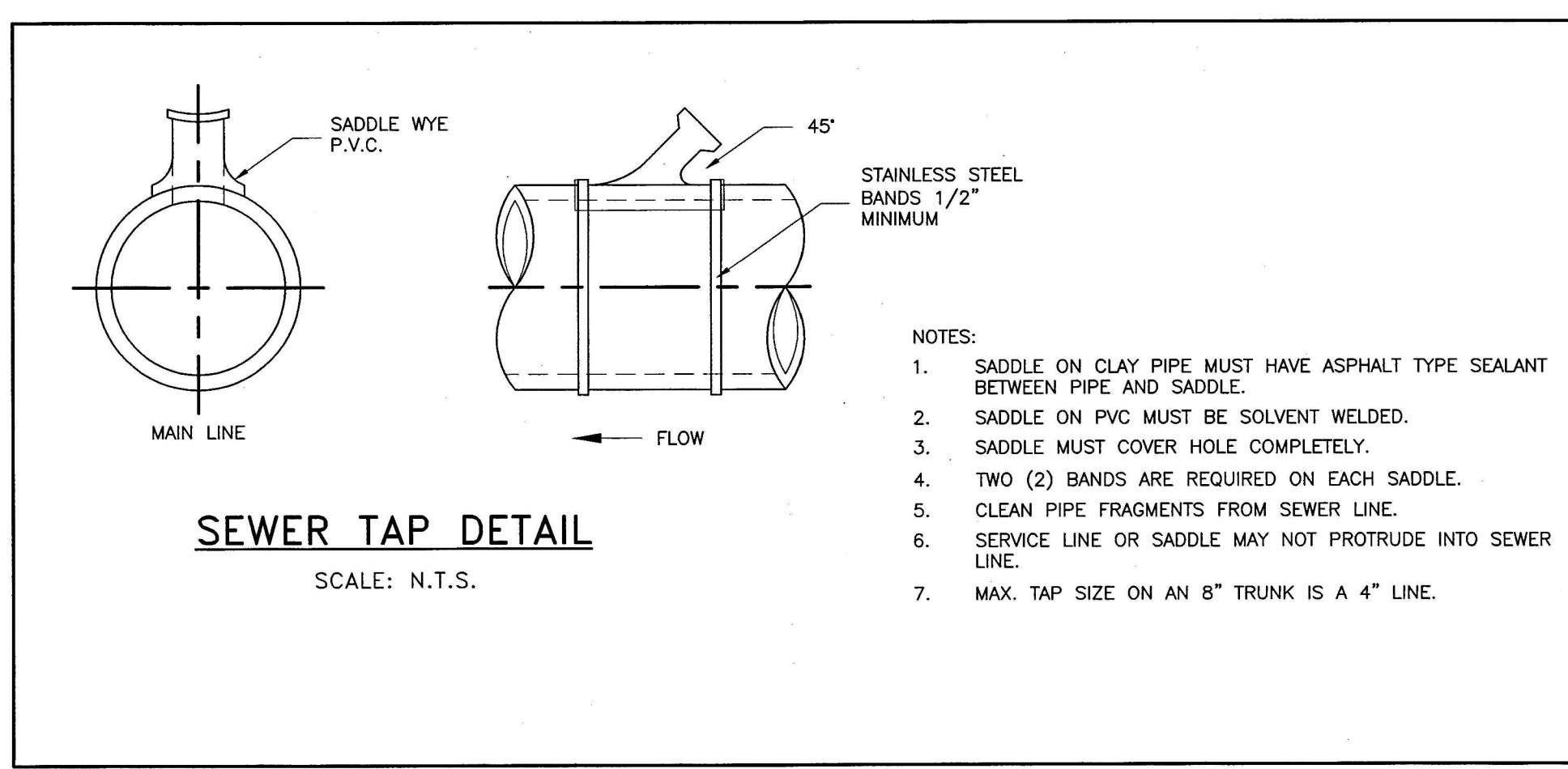
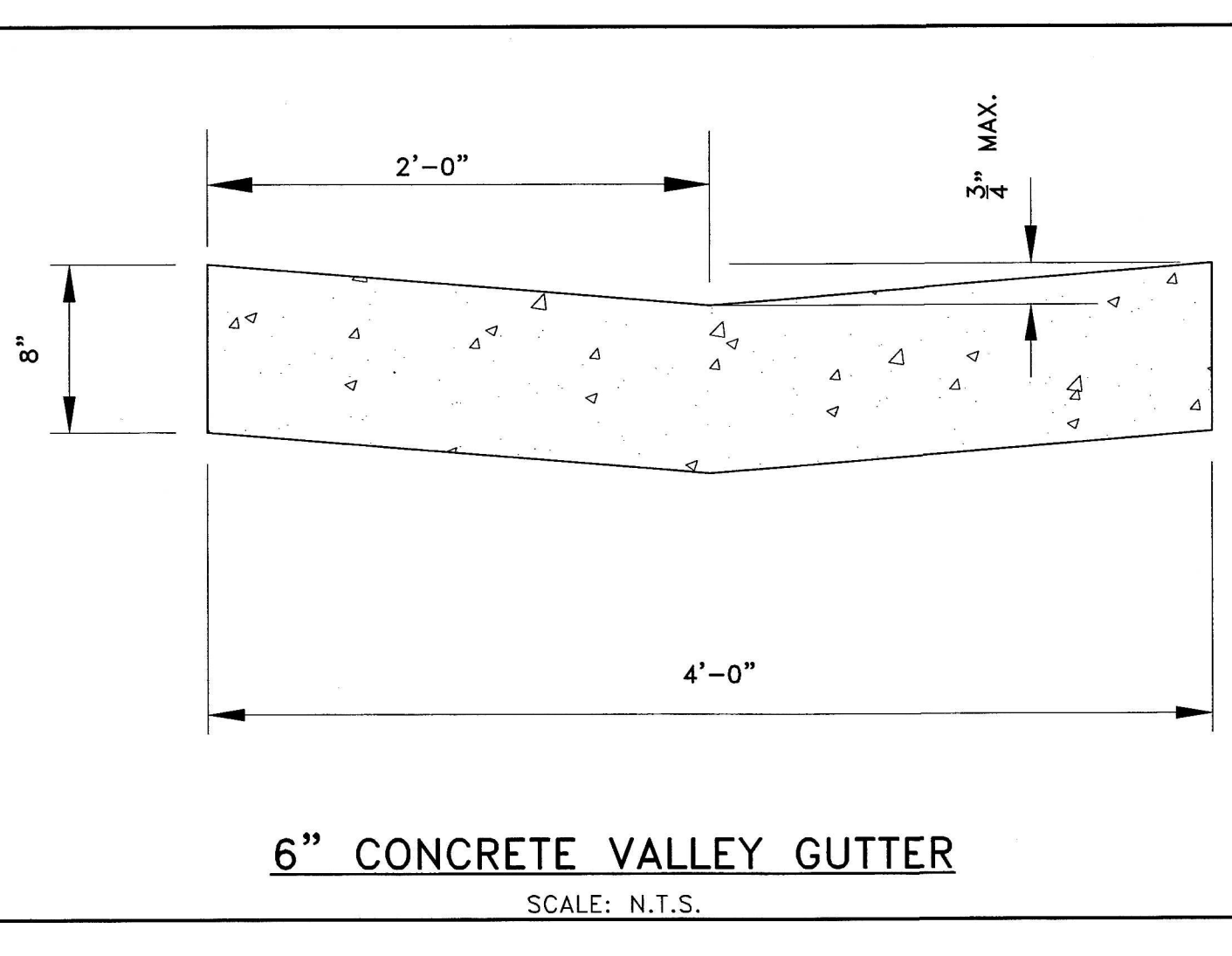
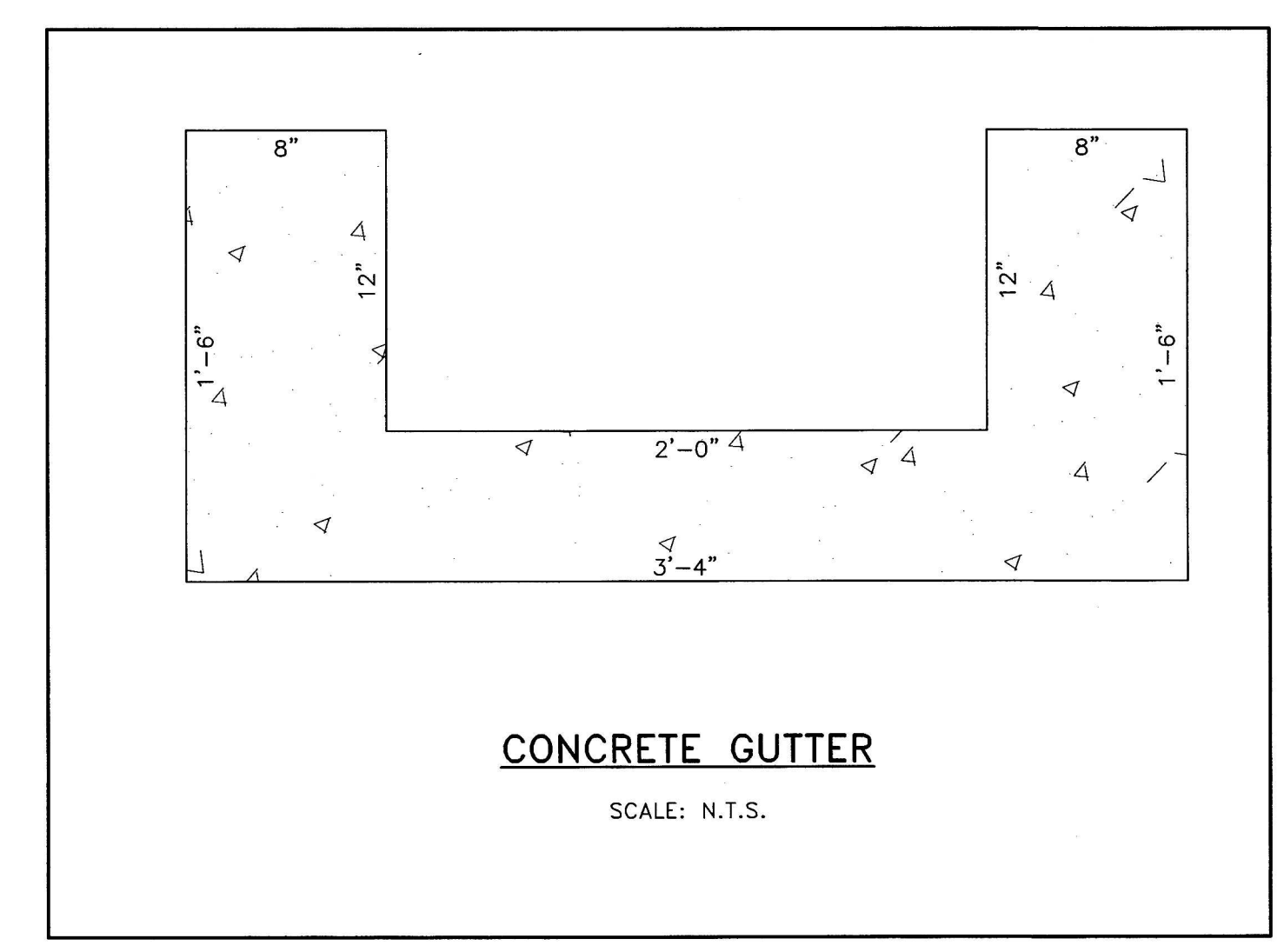
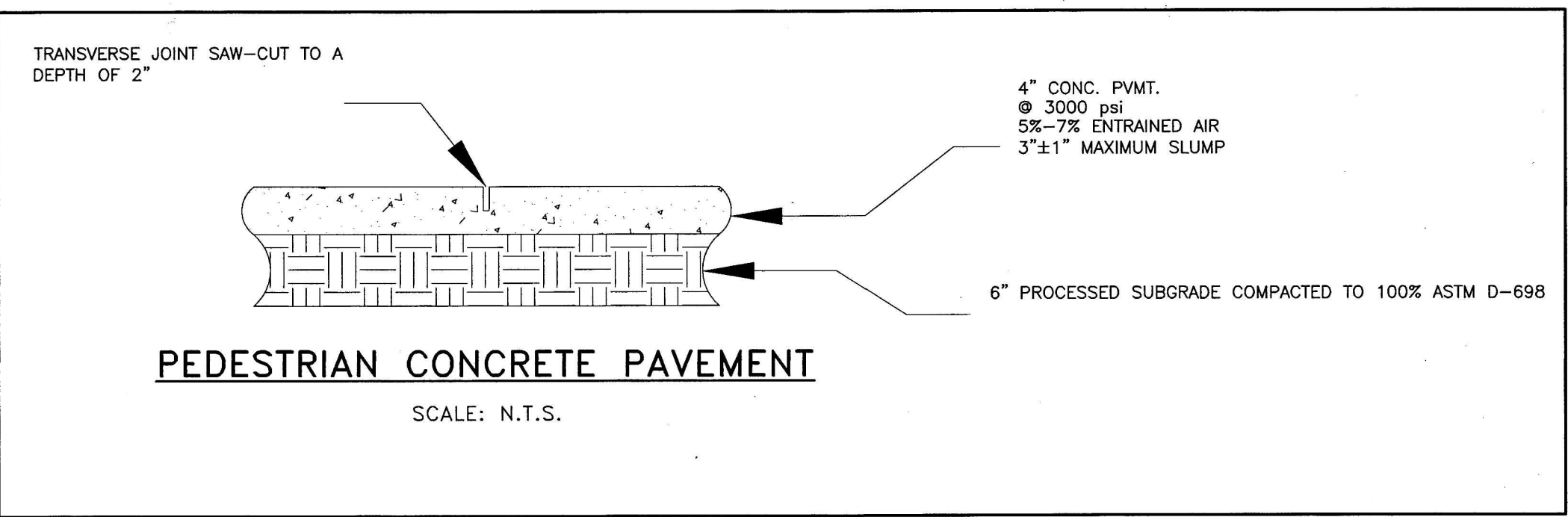
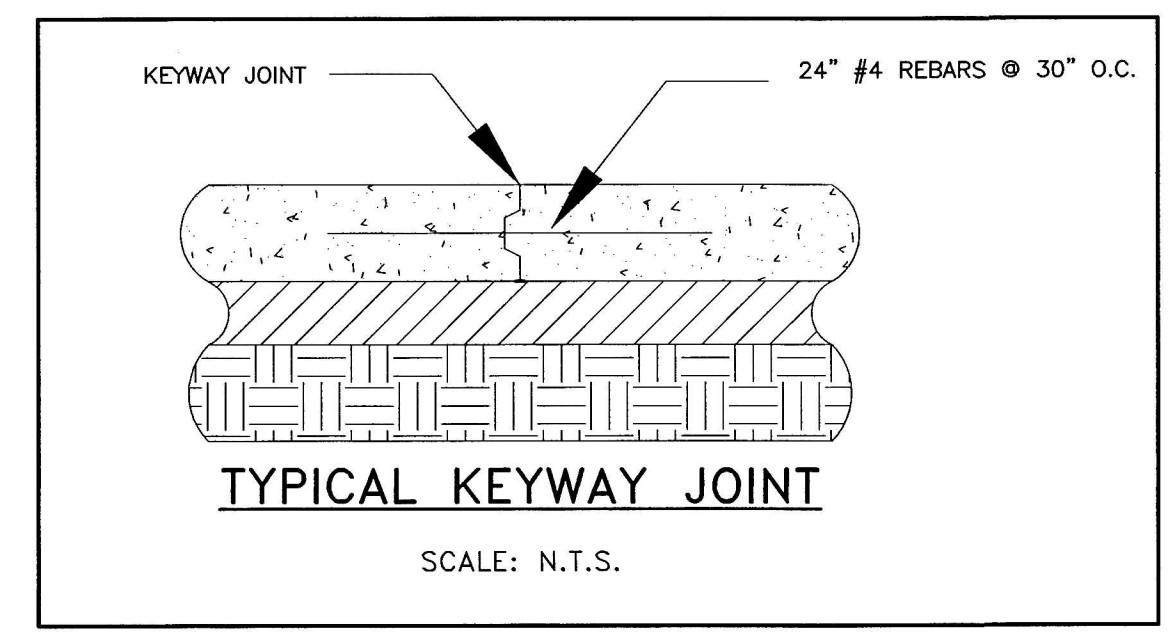
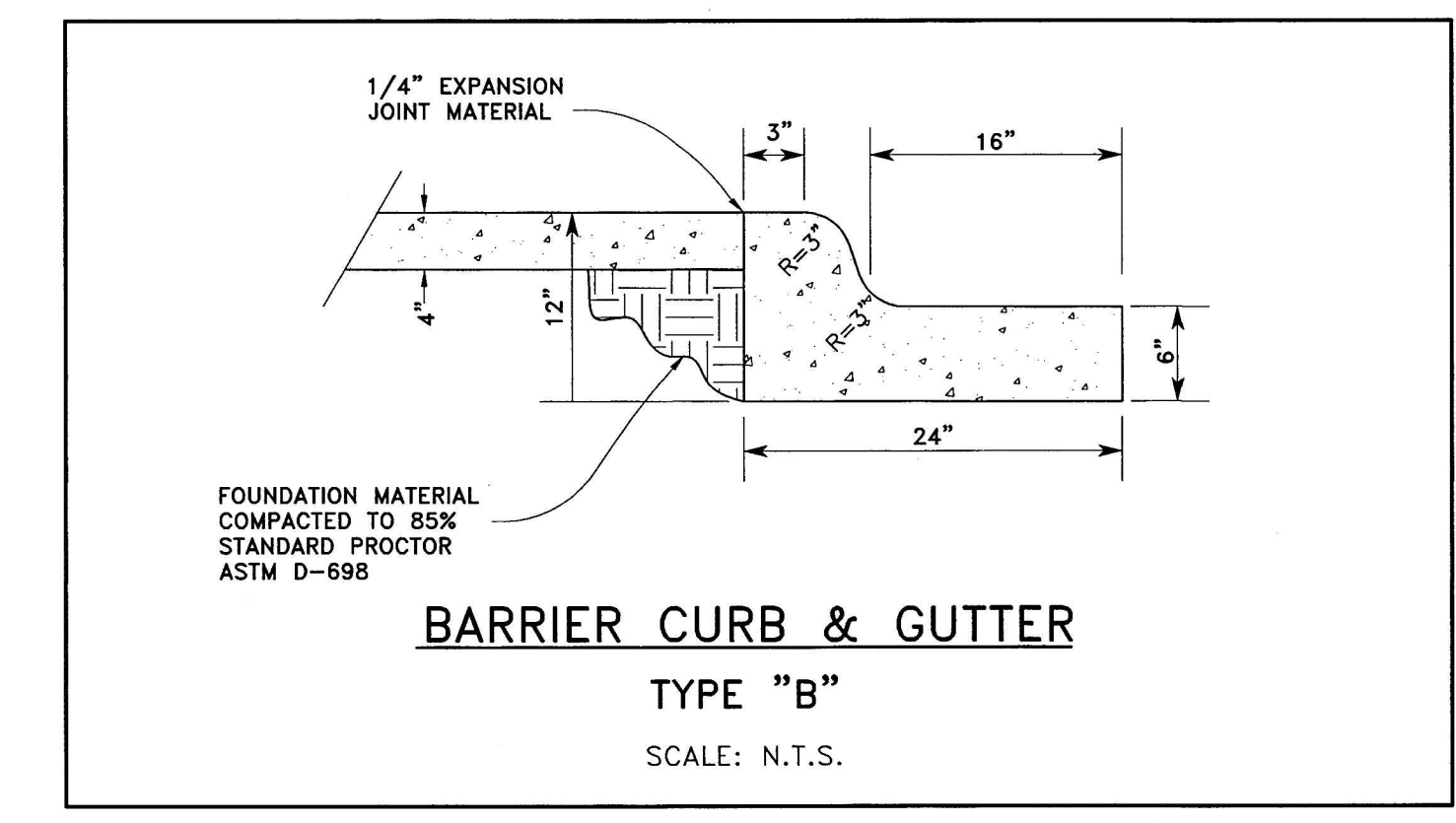
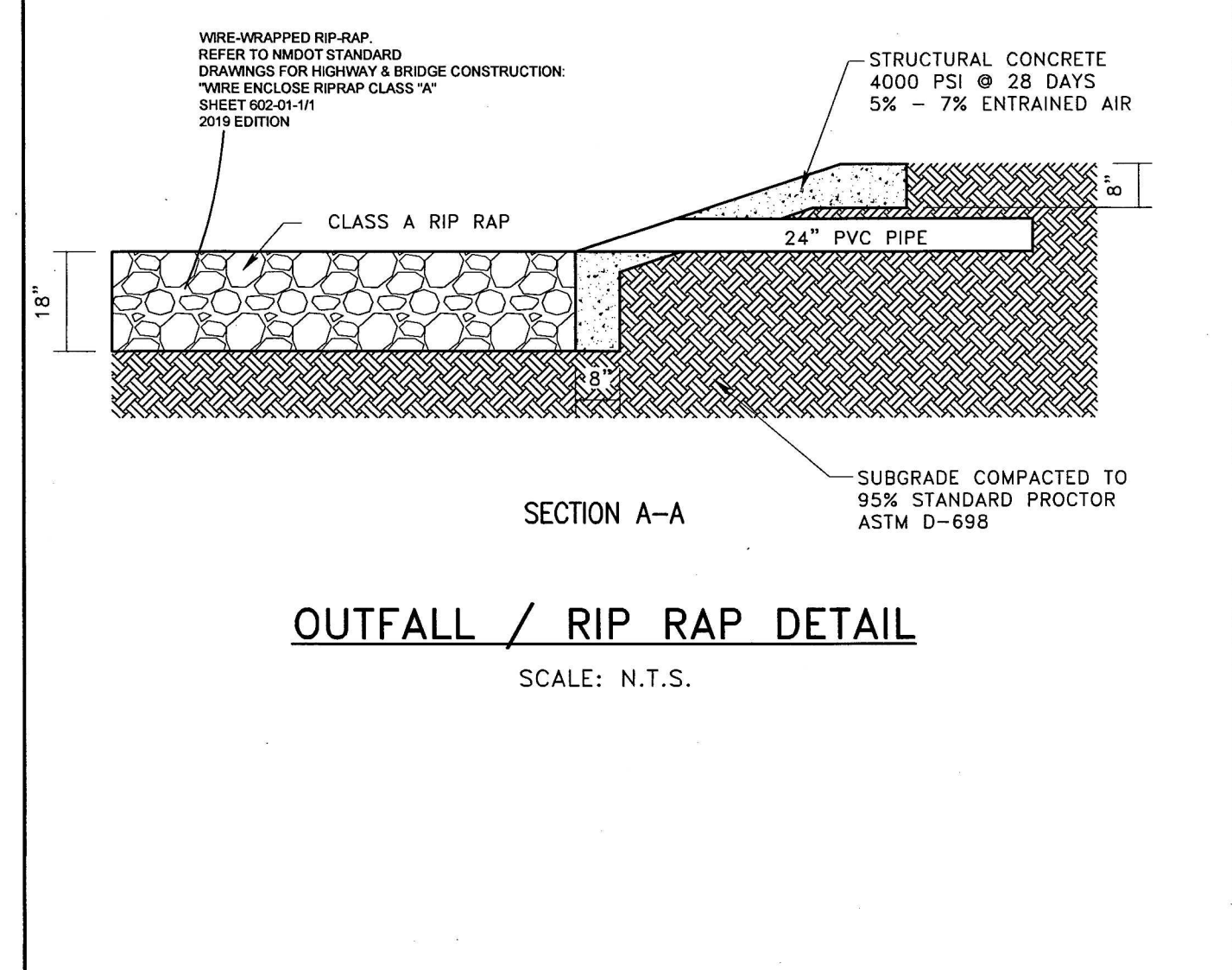
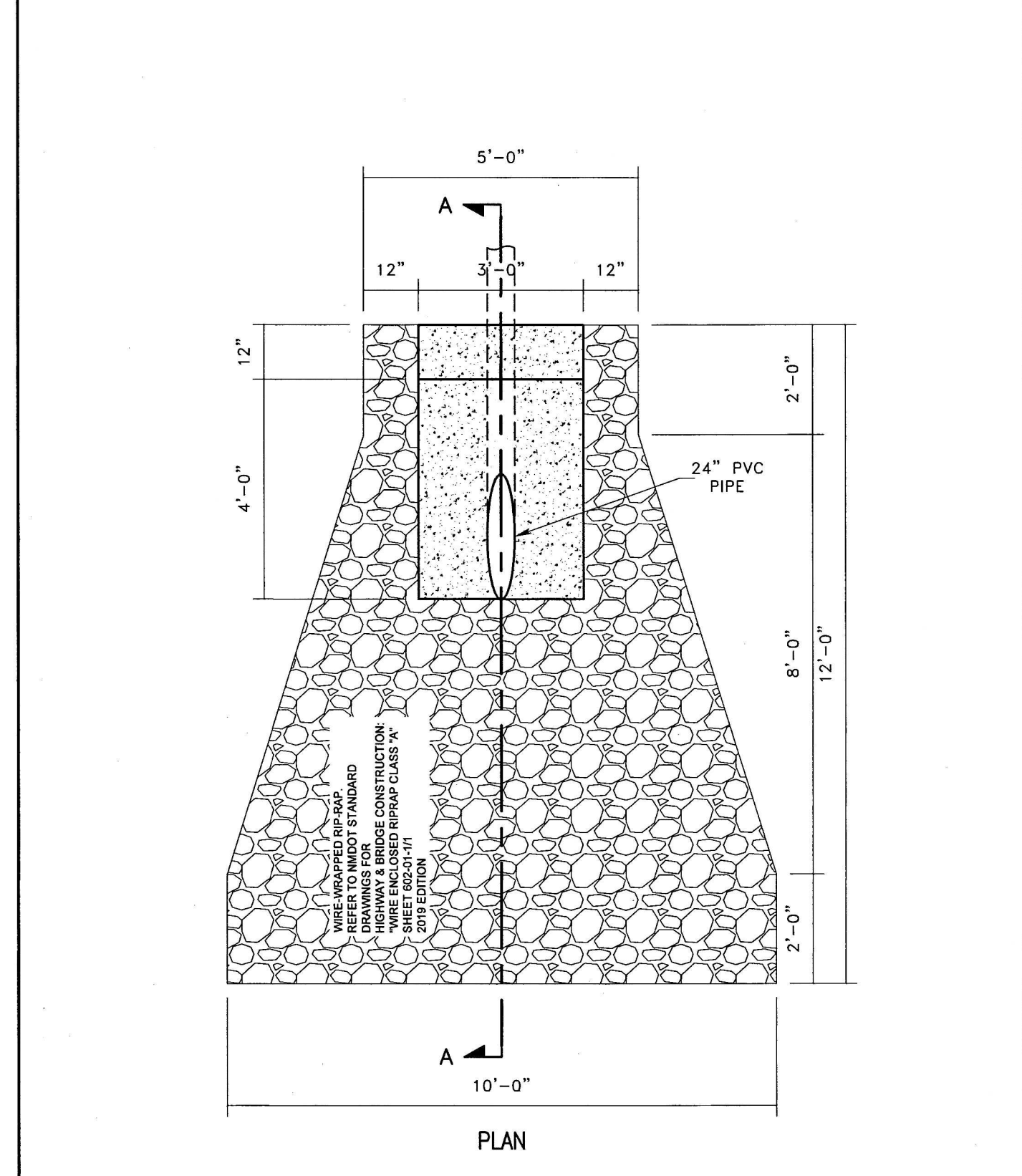
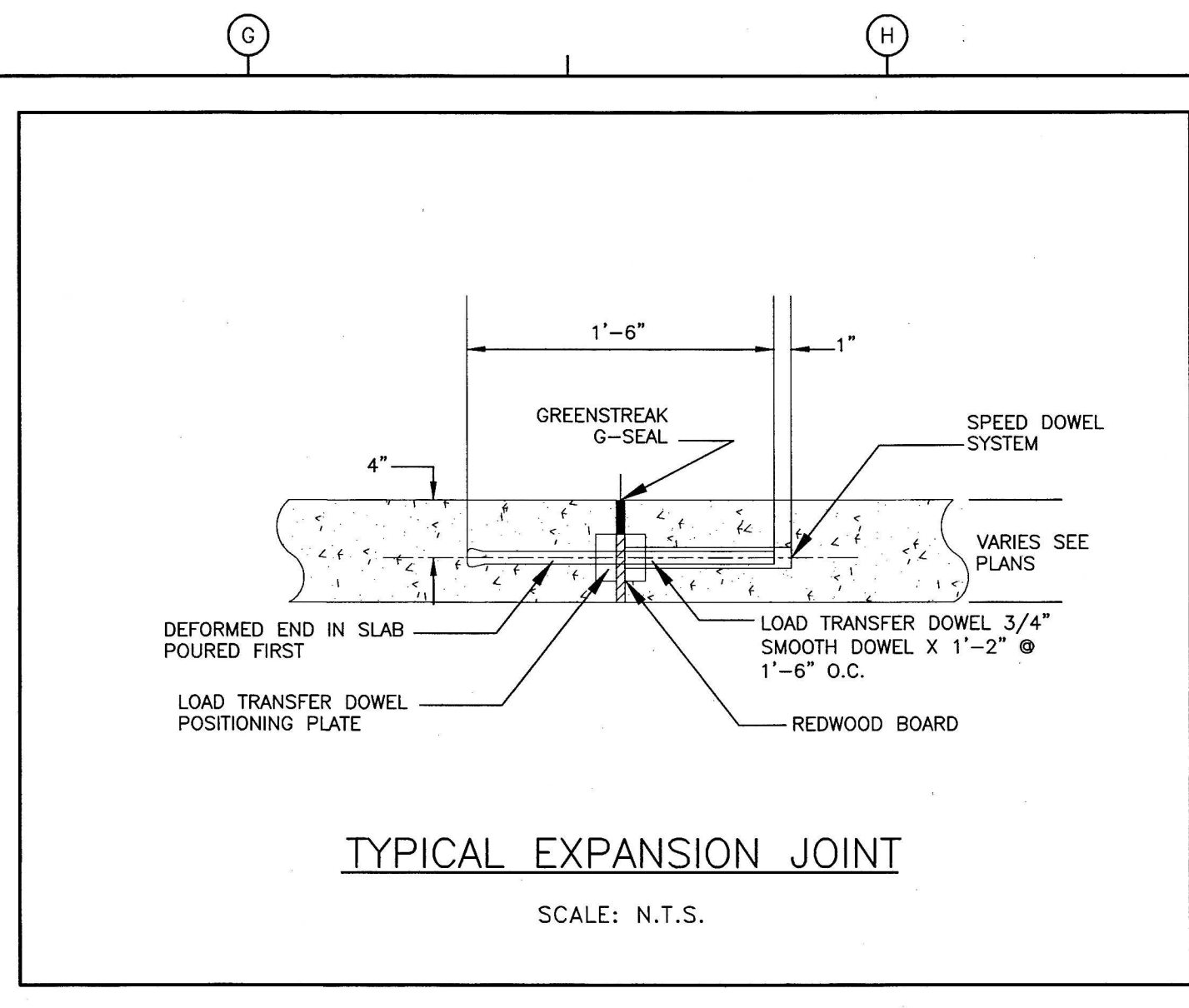
THE FOLLOWING CLASSIFICATIONS USE THE ASTM D-2321 WITH THE AASHTO DESIGNATIONS NOTED.

PIPE BEDDING - CLASS I & II (AASHTO A1 & A2) - NON PLASTIC (ENGINEERED FILL MATERIAL, SANDY, COMPACTED TO 95% ASTM D-698)

HAUNCH ZONE - FLOWABLE FILL TO BOTTOM OF BASE - (ENGINEERED FILL MATERIAL, SANDY, SIZE 8 PEA GRAVEL, 1.5 SACK NON PLASTIC COMPACTED TO 95% ASTM D-698)

PIPE ZONE TO BOTTOM OF FLEXIBLE PAVEMENT - *FLOWABLE FILL TO BOTTOM OF BASE, SIZE 8 PEA GRAVEL, 1.5 SACK

*NOTE: FLOWABLE FILL WILL NOT BE REQUIRED FOR UTILITY AND STORM DRAIN INSTALLATION, HOWEVER IT IS AN OPTION SINCE TRENCH COMPACTION IS TO BE REQUIRED AND TESTED.



REV. NO.	DATE	DRWN	CHKD	REMARKS

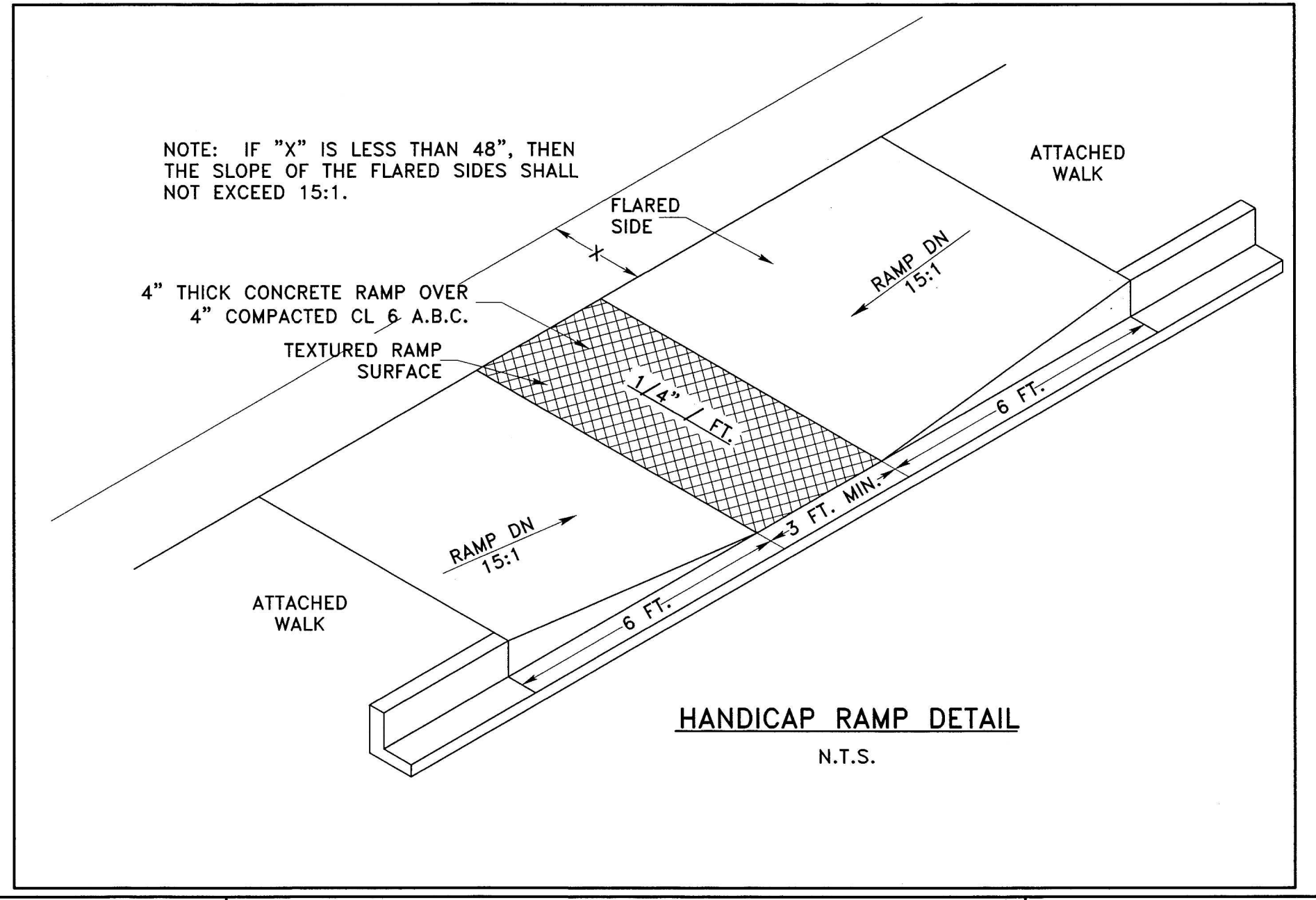
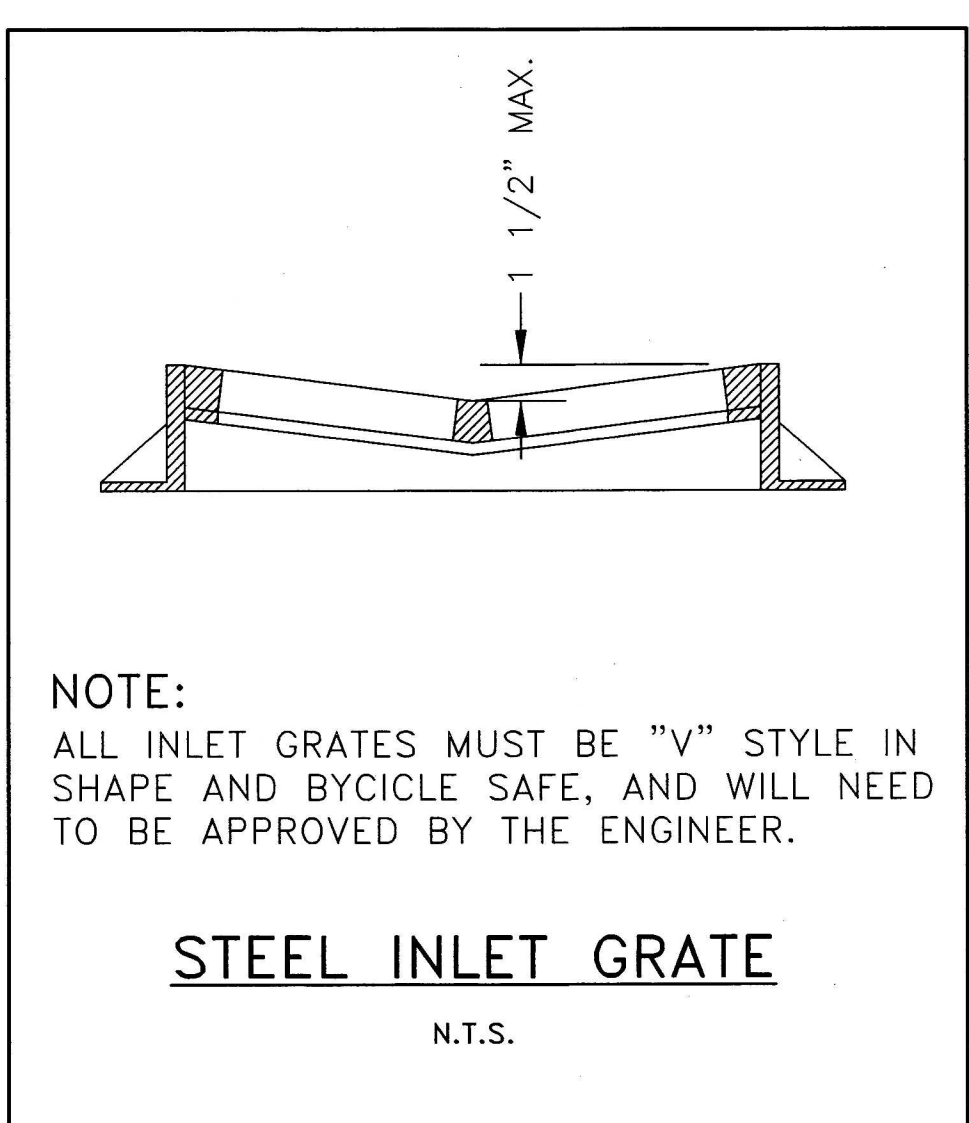
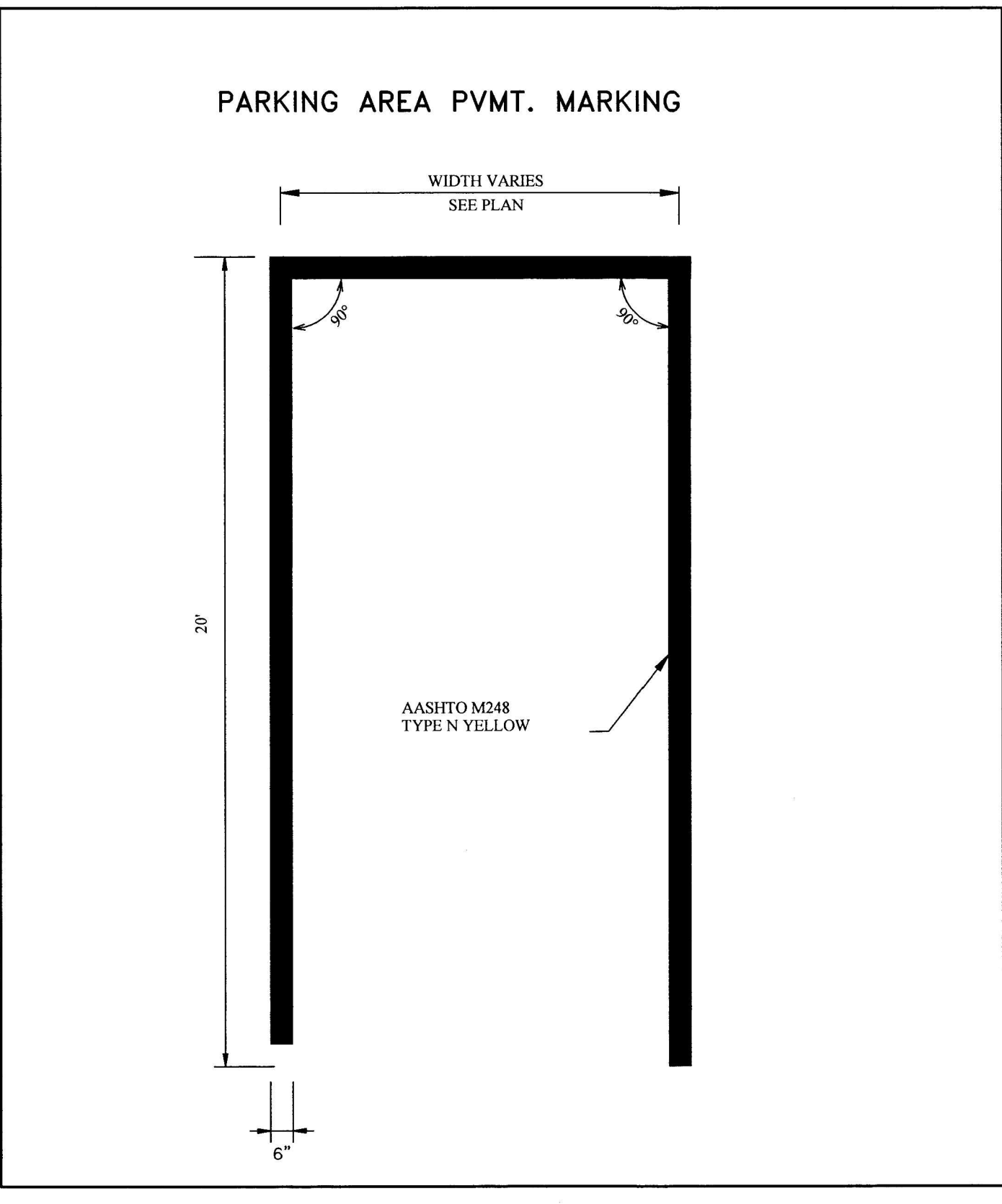
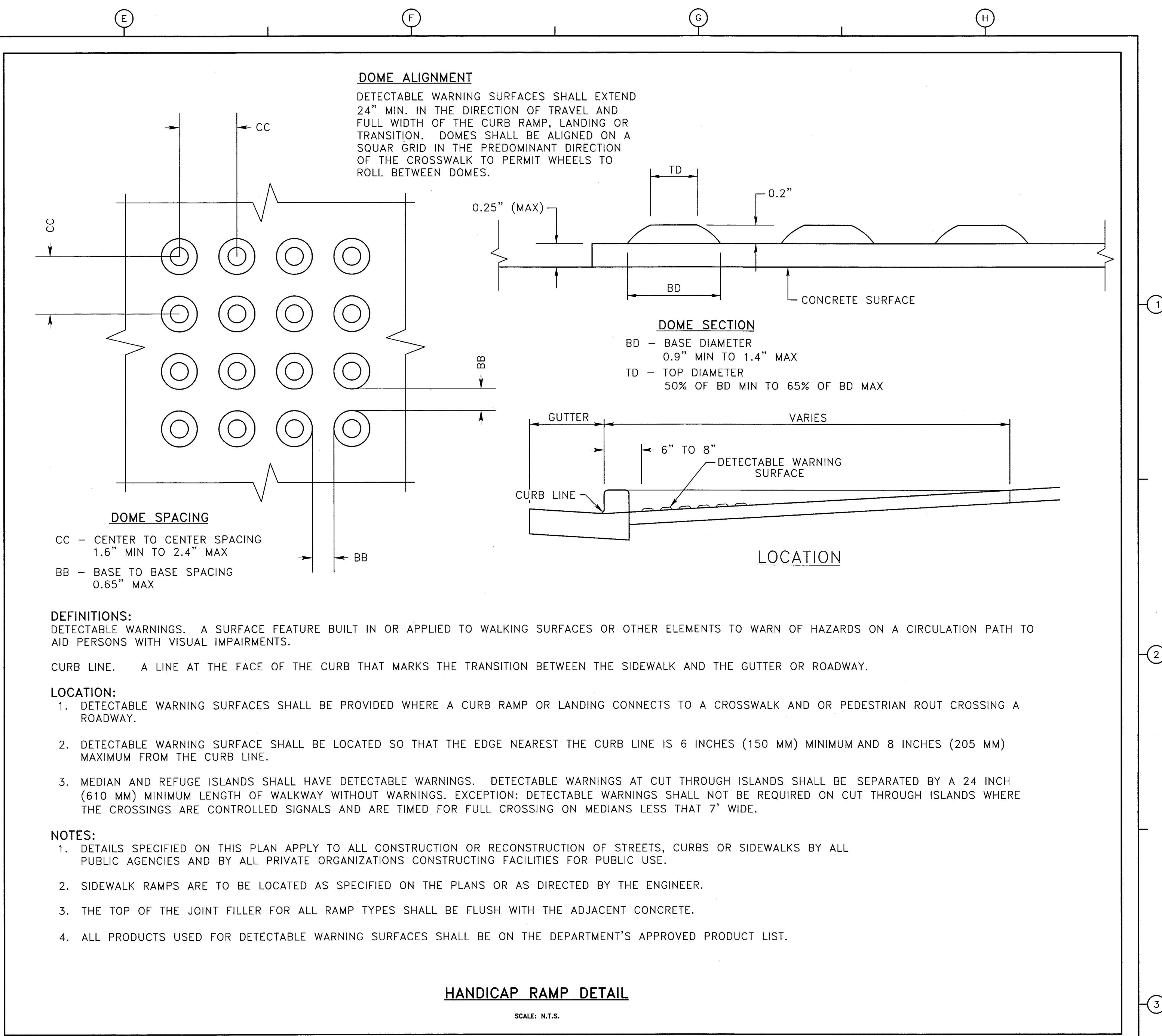
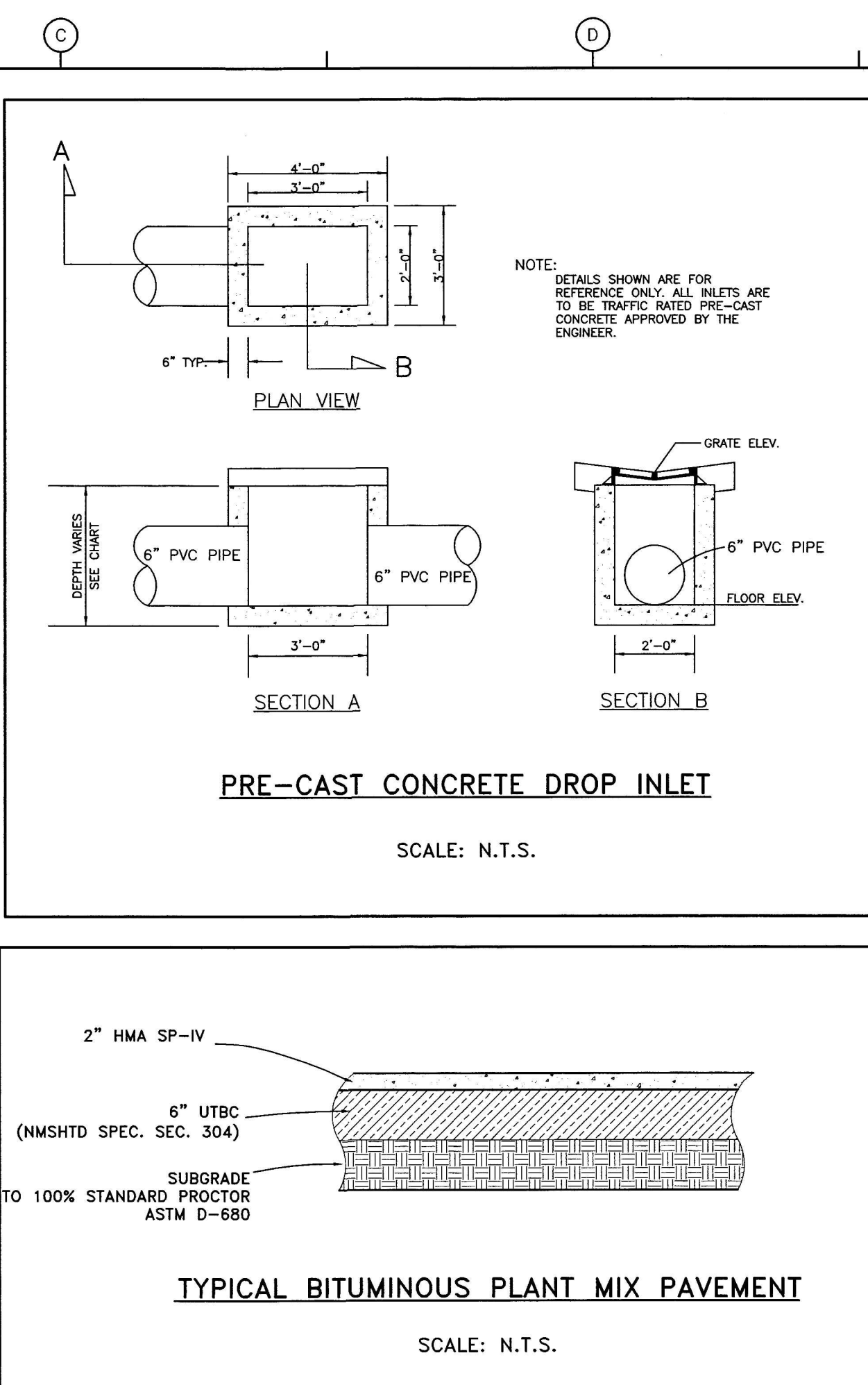
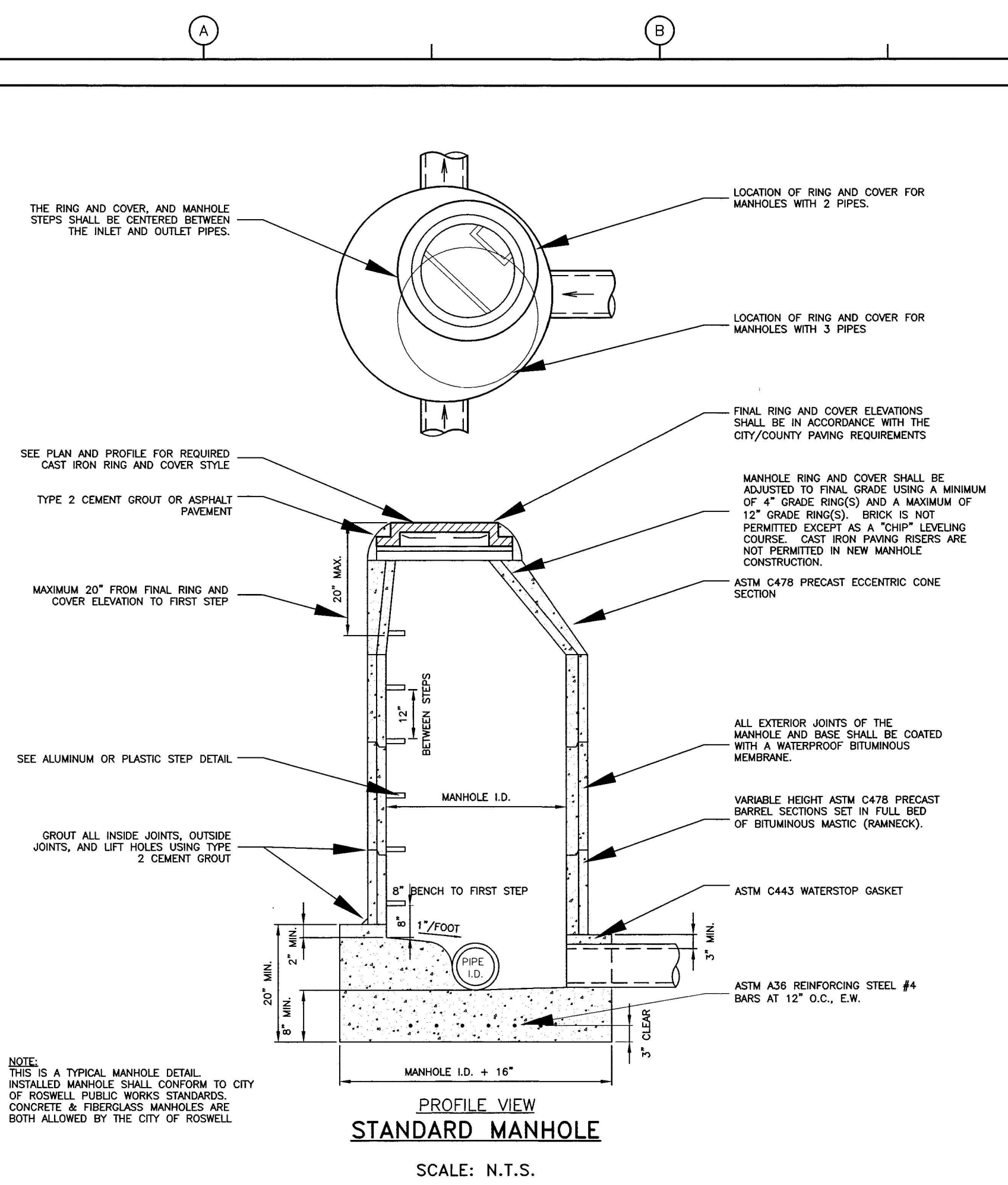
DESIGNED BY: BCL
 DRAWN BY: JGC
 SHEET CHK'D BY: BCL
 CROSS CHK'D BY: BCL
 APPROVED BY: BCL
 DATE: 08/12/2023

LYDICK
 ENGINEERS & SURVEYORS
 205 EAST SECOND STREET
 CLOVIS, NEW MEXICO 88101
 (575) 762-3771

CITY OF CLOVIS
 CURRY COUNTY, NEW MEXICO
LIVESTOCK PAVILION
 AREA

CIVIL DETAILS

PROJECT NO.
28111
 SHEET NO.
CD-501



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RGL
 DRAWN BY: JG
 SHEET CHKD BY: RGL
 CROSS CHKD BY:
 APPROVED BY: RGL
 DATE: 06/09/2023

LYDICK
 ENGINEERS & SURVEYORS
 205 EAST SECOND STREET
 CLOVIS, NEW MEXICO 88101
 (575) 762-3771

LIVESTOCK PAVILION AREA
CITY OF CLOVIS
CURRY COUNTY, NEW MEXICO

CIVIL DETAILS

PROJECT NO. 28111
 SHEET NO. CD-502

CURRY COUNTY LIVESTOCK PAVILION

1900 E BRADY AVE, CLOVIS NM, 88101



ABBREVIATIONS

/	Per	FAB	Fabricate	OD	Outside Diameter
@	At	FF	Finished Floor	O.F.	Outside Face
AB	Anchor Bolt	FLG	Flange	OPNG	Opening
ADDNL	Additional	FLR	Floor	OPP	Opposite
ADJ	Adjacent	FDTN	Foundation	PAF	Powder Actuated Fastener
AFF	Above Finish Floor	FO	Face Of	PC	Precast
ALT	Alternative	FP	Full Penetration	PEN	Penetration
APA	American Plywood Association	FRMG	Framing	PERP	Perpendicular
APPROX	Approximate	FS	Far Side	PL	Plate
ARCH	Architect or Architectural	FT	Foot or Feet	PLF	Pounds Per Lineal Foot
		FTG	Footing	PLF	Pounds Per Lineal Foot
		FV	Field Verify	PREFAB	Prefabricated
B/, B.O.	Bottom of			PRELIM	Preliminary
BG	Backgoue	GA	Gage or Gauge	PS	Prestressed
BLDG	Building	GALV	Galvanized	PSF	Pounds Per Square Foot
BLKG	Blocking	GL	Glu-lam	PSI	Pounds Per Square Inch
BM	Beam	GR	Grade	PT	Pressure Treated
BN	Boundary Nail	GR BM	Grade Beam	QTY	Quantity
BOT or B	Bottom			RAD or R	Radius
BOF	Bottom of Footing	HAS	Headed Anchor Stud	RC	Reinforced Concrete
BOS	Bottom of Steel	HD	Hold Down	RE:	or REF Refer to (Reference)
BRG	Bearing	HDG	Hot Dipped Galvanized	REIN	Reinforce(ing)(d)(ment)
BSMT	Basement	HK	Hook	RET	Return
BTWN	Between	HORIZ	Horizontal	REQD	Required
		HT	Height	REQT(S)	Requirement(s)
		HVAC	Heating-Ventilating and A/C	RO	Rough Opening
CC	Center to Center			(S)	Salvaged
CG	Center of Gravity	ID	Inside Diameter	SCHED	Schedule
CIP	Cast-In-Place	I.F.	Inside Face	SEC	Section
CJ	Control Joint	IN	Inch	SIM	Similar
CJP	Complete Joint Penetration	INT	Interior	SLH	Short Leg Horizontal
CL	Centerline	IT	Precast Inverted Tee Beam	SLV	Short Leg Vertical
CLG	Ceiling	JST	Joist	SOG	Slab on Grade
CLR	Clear	JT	Joint	SP @	Space At
CMU	Concrete Masonry Unit			SP	Space(s)
COL	Column	K	Kip	SPECS	Specifications
CONC	Concrete	KSI	Kips per Square Inch	SPRT	Support
CONN	Connection			SS	Stainless Steel
CONST	Construction	L or LG	Length	STD	Standard
CONT	Continue or Continuous	LB (S)	Pound(s)	STIFF	Stiffener
CONTR	Contractor	LL	Live Load	STL	Steel
COORD	Coordinate	LLH	Long Leg Horizontal	STR	Structural
CSJ	Construction Joint	LLV	Long Leg Vertical	SW	Shearwall
CTR(D)	Center(ed)	LOC (S)	Location(s) or Locate	SYM	Symmetrical
		LONG	Longitudinal	T&B	Top & Bottom
d	Penny	LSL	Laminated Strand Lumber	T	Top
DBL	Double	LT	Light	T/	Top of
DEG	Degree	LT WT	Light Weight	TH	Thick or Thickness
DIA or Ø	Diameter	LVL	Level or Laminated Veneer Lumber	TH.ROD	Threaded Rod
DIAG	Diagonal	LWC	Light Weight Concrete	TL	Total Load
DIM	Dimension	MAS	Masonry	T.O.	Top of
DL	Dead Load	MATL	Material	TOC	Top of Concrete
DN	Down	MAX	Maximum	TOF	Top of Footing
DP	Drilled Pier	MBS	Metal Building Supplier	TOM	Top of Masonry
DT	Precast Double Tee	MCJ	Masonry Control Joint	TOPG	Topping
DTL (S)	Detail(s)	MECH	Mechanical	TOS	Top of Steel
DWL(S)	Dowel(s)	MEP	Mechanical/Electrical/Plumbing	TOW	Top of Wall
		MIL(S)	Millimeter(s)	TRANS	Transverse
EXIST	Existing	MIN	Minimum	TYP	Typical
EA	Each	MISC	Miscellaneous	ULT	Ultimate
EC	Epoxy Coated	ML	Micro-Lam	UNO	Unless Noted Otherwise
EE	Each End	MNFR	Manufacturer	VERT	Vertical
EF	Each Face	MO	Masonry Opening	VIF	Verify In Field
EJ	Expansion Joint	MTL	Metal	W/O	Without
EL	Elevation	N	North	W/	With
EMBED	Embedded	NS	Non-Shrink or Near Side	WD	Width or Wood
EN	Edge Nail	NIC	Not in Contact	WF	Wide Flange
ENGR	Engineer	NO or #	Number	WT	Weight
EOR	Engineer-of-Record	NOM	Nominal	WWR	Welded Wire Reinforcement
EOS	Edge of Slab	NTS	Not To Scale	WxH	Width x Height
EQ	Equal	NWC	Normal Weight Concrete		
EQ SP	Equally Spaced	OAE	Or Approved Equivalent		
EQUIP	Equipment	OC	On Center		
ES	Each Side	OCEW	On Center Each Way		
EW	Each Way				
EXP ANCH	Expansion Anchor				
EXP	Expansion				
EXT	Exterior				

LEGEND

SYMBOL	DESCRIPTION
	ELEVATION SYMBOL
	HOLD DOWN LOCATION
	HELICAL PILE LOCATION
	KEYED NOTE
	DRAWING REVISION NUMBER
	CURRENT REVISION CLOUD
	SUBGRADE
	RIGID INSULATION
	CAST IN PLACE CONCRETE
	DETAIL CUT
	SHEET REFERENCE
	BEAM
	FOOTING

PLAN INDEX

S0.1	PLAN INDEX; LEGEND; ABBREVIATIONS
S0.2	OUTLINE SPECIFICATIONS
S0.3	OUTLINE SPECIFICATIONS
S0.4	TYPICAL DETAILS
S1.1	FOUNDATION PLAN NW
S1.2	FOUNDATION PLAN NE
S1.3	FOUNDATION PLAN SW
S1.4	FOUNDATION PLAN SE
S2.1	ENTRY CANOPY FRAMING PLAN AND DETAILS
S3.1	FOUNDATION DETAILS
S3.2	FOUNDATION DETAILS
S3.3	FOUNDATION DETAILS

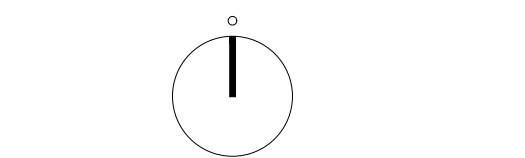
CURRY COUNTY
LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

REVISIONS	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

NOTES	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

DRAWN BY	JAR
REVIEWED BY	EDT
DATE	6/9/2023
PROJECT NO	#23-0003

NORTH = SCALE



DRAWING NAME
**INDEX; LEGEND;
ABBREVIATIONS**

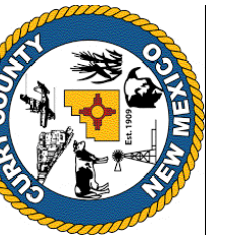
S0.1

STRUCTURAL OUTLINE SPECIFICATIONS CURRY COUNTY LIVESTOCK PAVILION, CLOVIS NM, 88101



Luchini Trujillo
Structural Engineers

2019 Galisteo St. D2, Santa Fe, NM 87505
4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109
505.424.3232 www.LTSENG.com info@ltseng.com



CURRY COUNTY LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

I. DESIGN CRITERIA & GENERAL NOTES

A. Design Codes and Manuals:

- 2015 International Building Code (IBC)
- ASCE 7-10, Minimum Design Loads for Buildings and Other Structures
- AISC Manual of Steel Construction, Latest Edition
- AISC 341, Seismic Design Manual, Latest Edition
- ACI 530-13, Building Code Requirements for Masonry Structures
- American Society for Testing and Materials (ASTM)
- American Welding Society (AWS) D1.1, "Structural Welding Code - Steel", Latest Edition.
- Metal Building Systems Manual, Latest Edition

B. VERTICAL DESIGN LOADS:

- Live Roof Loads
 - Roof.....20 PSF
- Snow Loads
 - Roof Snow Load.....15 PSF
- Dead Loads
 - Roof.....per Metal Building Manufacturer
 - Roof Collateral Load.....5 PSF

C. HORIZONTAL DESIGN LOADS:

- Wind Loads
 - Risk Category II
 - Exposure "C"
 - Ultimate Design Wind Speed (V) - (3 SECOND GUST) - 115 MPH
 - Design Wind Pressures for Components and Cladding:
 - Roof:
 - Zone 1. $p = -28.87 \text{ psf} / +11.74 \text{ psf}$
 - Zone 2. $p = -48.44 \text{ psf} / +11.74 \text{ psf}$
 - Zone 3. $p = -72.90 \text{ psf} / +11.74 \text{ psf}$
 - Walls:
 - Zone 4. $p = -31.31 \text{ psf} / +18.79 \text{ psf}$
 - Zone 5. $p = -38.65 \text{ psf} / +28.87 \text{ psf}$
 - Effective Wind Area = 10 sf
- Seismic Loads
 - IBC Site Classification "D"
 - Risk Category II
 - Seismic Importance Factor: 1.0
 - Mapped Spectral Response Accelerations
 - Short period: $S_s = 0.089$
 - 1 Second period: $S_1 = 0.035$
 - Spectral Response Coefficients
 - Short period: $S_Ds = 0.095$
 - 1 Second period: $SD_1 = 0.055$
 - Seismic Design Category: "A"
 - Basic Seismic-Force-Resisting System: per Metal Building Manufacturer

D. GENERAL NOTES

- Drawings
 - Do not scale drawings.
 - See architectural, mechanical, electrical, and plumbing drawings for exact location and arrangement of any pads, support frames, etc., required for mechanical and electrical equipment and not with other trades concerning plates, anchors, notches, etc., to be placed in concrete.
 - Any conflict between the structural drawings and specifications, and/or other discipline plans and/or specifications shall be brought to the attention of the architect prior to proceeding with the work affected.
 - Contractor shall verify all edge form setting dimensions as well as the location of elevation changes, off-sets, brick ledges, and block-outs with other disciplines and notify this office of any discrepancies that may exist prior to commencing construction.
- OPENINGS
 - Openings, sleeves, etc. to be placed through any structural member shall first be approved by the structural engineer. Sleeves shall be provided for openings prior to placing of concrete. Cutting of hardened concrete shall not be permitted except by special structural approval which will be on an individual basis.
 - The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not be limited to bracing and shoring for loads due to hydrostatic, earth, wind or seismic forces, construction equipment, etc. Observation visits to the site by the structural engineer shall not include inspection of the above items.
 - The cost of additional field and office work necessitated by requests by the contractor for an option, or due to errors or omissions in construction, shall be borne by the contractor. Options are for the contractor's convenience; he shall be responsible for all changes necessary if he chooses an option, and he shall coordinate all details.

E. Foundation Notes

- Geotechnical engineering study and recommendations for this project has been performed by Lydick Engineers & Surveyors, project number J23-5-1011, dated April 25, 2023.
 - Important additional information concerning specific soil conditions is contained in this report and shall be reviewed prior to the start of construction.
 - Design is based on recommendations provided by the geotechnical engineering

study:

- Allowable soil Bearing Pressure = 2000 psf
 - Frost Depth / Minimum Exterior Footing Embedment = 24"
- c) Requirements for granular base and capillary (vapor) barriers are specified in this report. Areas where the capillary barriers are required shall be coordinated with the architect prior to construction. The barrier shall have a minimum thickness of 15 mils and shall conform to the requirements of ACI 302.1R-04.
- d) The contractor shall be responsible for providing positive water drainage away from structures, during and after construction.
- It is important to understand that the performance of the foundation is linked directly to the consistency of the moisture content in the soil. The geotechnical engineering study provides recommendations for natural ground preparation, remedial earthwork, drainage, grading, and landscaping.
- The geotechnical engineering study contains specific requirements concerning clearing and grubbing, site, subfloor and bearing surface preparation, structural fill requirements, compaction requirements, and drainage and sloping requirements not necessarily shown on these drawings. Refer any conflicts between these drawings and the report to the architect for direction prior to beginning any work.
 - The contractor shall engage and bear the cost of a geotechnical engineer or designated representative to monitor site preparation, foundation construction and retaining wall construction. The geotechnical engineer shall provide continuous on-site observation by experienced personnel during construction of controlled earthwork. The contractor shall notify the geotechnical engineer at least two working days in advance of any field operations of controlled earthwork or of any resumption of operations after stoppages. Tests of fill materials and embankments shall be made in accordance with the recommendations for observation and testing provided within the geotechnical recommendations, and at the following suggested minimum rates:
 - At least one moisture-density (proctor) test, Atterberg limits test, and percent finer than #200 sieve test should be performed per each subgrade soil type and engineered fill material. The geotechnical engineer must review the test results for conformance with specifications and approve of fill materials and their intended use, prior to construction.
 - A minimum of one field density and moisture test should be performed per 2000 square feet of building pad fill or pavement subgrade per each 1 foot of compacted fill thickness (or at least one test per each 1 foot of compacted fill thickness in each area worked per day if smaller sections).
 - A minimum of one field density and moisture test should be performed per 50 linear feet of foundation excavation bottom prior to placement of reinforcing steel and concrete (or at least one test per area worked per day if smaller sections).
 - A minimum of one field density and moisture test should be performed per 100 linear feet of retaining wall backfill and/or utility trench backfill per each 1 foot of compacted fill thickness (or at least one test per each 1 foot of compacted fill thickness in each area worked per day if smaller sections).

II. QUALITY ASSURANCE & STATEMENT OF SPECIAL INSPECTION

- A. The contractor shall engage qualified independent inspectors to implement special inspections. Special inspection shall conform to the IBC, chapter 17.
- B. After each inspection and test, promptly submit a copy of the laboratory report to owner, architect/engineer, and to contractor. Report shall include:
- Date issued, Project title and number, Name of inspector, Date and time of sampling or inspection, Identification of project specifications section, Location of project, Type of inspection or test, Date of tests, Results of tests, Conformance with contract documents.
- C. Required inspections:
- Soils - as outlined in Outline Specifications Section titled "Foundation Notes."
 - Concrete - as outlined in the Outline Specifications Section titled "Structural Concrete."
 - Installation of embedded bolts and plates supporting structure
 - Reinforcing steel placement
 - Field bending of reinforcing steel
 - Reinforcing couplers
 - Anchored rebar or threaded rods into hardened concrete
 - Wood & Cold-Formed Steel
 - Hold down anchors/strap ties
 - Shear wall/diaphragm fastening
 - Metal connectors
 - Steel - as outlined in Outline Specifications Section titled "Structural Steel."
 - Post-tensioned Concrete - as outlined in Outline Specifications Section titled "Unbonded Post-Tensioned Concrete."

- D. Special inspection is to be provided in addition to inspections conducted by the building department and shall not be construed to relieve the owner or his authorized agent from requesting the period and called inspections required by section 1704 of the International Building Code.
- Periodic inspection is defined as the part-time or intermittent observation of work requiring inspection by an approved inspector who is present in the area where the work has been or is being performed at the completion of work.
 - Special inspection is required for the following:
 - Steel construction
 - High strength bolts.....periodic
 - Welding.....periodic
 - Structural Steel & Cold-Formed Steel Deck.....periodic
 - Concrete construction
 - Reinforcing steel.....periodic
 - Bolts installed prior to and during concrete placement.....periodic

- Mix design(s).....periodic
 - At the time fresh concrete is sampled.....periodic
 - Inspection of concrete placement.....periodic
 - Inspection for maintenance of specified curing techniques.....periodic
- c) Special case
- Expansion or adhesive anchor.....periodic

III. SHOP DRAWING SUBMITTAL

- A. Contractor to submit to Structural Engineer:
- Concrete Mix Designs
 - Structural Steel
 - Anchor Bolts
 - Reinforced Masonry
 - Cold-Formed Metal Framing
 - Steel Deck
 - Metal Building
 - Reinforcing Bars
- B. All shop drawings and submittals must be reviewed and stamped by the contractor prior to submittal. Shop drawings and submittals shall be accompanied by sealed calculations as required by the specifications. No fabrications shall proceed before shop drawings covering that work have been approved. Allow at least 15 working days for shop drawing review.

IV. STRUCTURAL CONCRETE

- A. All concrete edges shall be chamfered 1/2" on exposed corners unless otherwise noted.
- B. Basis for design, strength at 28 days:
- Unless indicated otherwise, all concrete shall be ready-mixed concrete with standard stone aggregate (144 PCF).
 - Air entrainment shall conform to the requirements of ACI 318-14 Table 19.3.3.1
 - Structural design is based upon ACI 318-14, and construction shall conform to ACI 301 and ACI 302, latest edition(s).
 - F'c = 4000 psi (normal weight, air entrained)
 - Exposed concrete flatwork, Footings, Tie beams, Stem walls, Grade beams.
 - F'c = 3000 psi (normal weight)
 - All interior slabs-on-ground.
 - F'c = 4000 psi (normal weight)
 - All other concrete
 - F'c = 6000 psi non-shrink grout for placement under column base plates.
 - Grout to comply with ASTM C1107. Non-shrink flowable grout shall be used under base plates with shear lugs.
 - Unless otherwise indicated, concrete cover shall be:
 - Foundations.....3"
 - Grade Beams.....3"
 - Masonry.....Centered
 - Columns (Vertical Reinf.).....2"
 - Slabs (Not exposed to weather)3/4"
 - Slabs (Exposed to weather)1 1/2"

C. REINFORCING STEEL

- Deformed Bars.....ASTM A615 / Grade 60
- Welded Wire Fabric.....ASTM A185
- Placing of reinforcing steel shall conform to CRSI, latest edition.
- All reinforcing steel shall be held securely in position with standard accessories during placing of concrete.
- Slab and beam bolsters and hi-chairs shall have vinyl-tipped turned-up legs where soffits/underside of slab is exposed.
- All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.
- Unless otherwise indicated, splice reinforcing as follows:
 - Reinforcing Bars.....48 Bar Diameters
 - Welded Wire Fabric.....6"

D. WALLS

- Exposed site walls, retaining walls, and stem walls greater than 30 feet in length shall have control joints installed and spaced no greater than 25 feet on center. Install joints within 10 feet of all wall corners.
- Contractor shall submit to architect, final locations of all control joints for approval, prior to construction.

E. SLAB-ON-GROUND CRITERIA

- Strict adherence to the specified water-to-cement ratio of 0.45 is required. Water shall not be added to the mix at the time of placement.
- Shrinkage shall not exceed 0.02% per ASTM C 157 at 28 days. Shrinkage-compensating concrete shall conform to the recommendations of ACI 223.
- Moist curing of slabs-on-ground is required.
- Care shall be taken to prevent water intrusion into the subgrade both prior to and after slab pours.
- Contraction joints (control joints) shall be installed on all concrete slabs on grade. Verify locations of all joints with Architect prior to placing concrete. The joints shall be spaced no further than 36 times the slab thickness or 15 ft. L or T shapes be avoided when placing crack control joints. If the shape of the area contained by the crack control joints is not square, the aspect ratio of this area should not exceed 1.5 to 1. The control joints should

be placed such that they are continuous and not staggered or offset. Placement shall be in accordance with ACI 302.1.

- The timing of early entry slab saw cuts is critical to slab curing performance. Saw cuts for control joints (contraction joints) shall be made at the earliest possible time so that the concrete will support the weight of saw cutting equipment and operations. The timing of early entry saw cuts shall vary between 1 hour in hot weather and 4 hours in cold weather. Early entry dry cut saws shall use a skid plate to prevent spalling.
 - Early entry dry cut saw should be 1 inch into the depth of the slab. The slab shall be cut to 1/4 of the slab depth to deepen the 1-inch nominal early entry saw cut within 24 hours.
 - A construction or smooth doweled saw cut contraction joint shall be placed at a maximum of 125 ft.
 - All joints shall be filled to the full joint depth with semi-rigid joint filler in areas exposed to vehicular traffic. Overfill joint and trim joint filler flush with top of joint after hardening.
6. Concrete containing air-entraining admixture shall not be trowel finished.

F. CONCRETE PLACEMENT & TESTING

- Unless otherwise indicated, five test cylinders shall be made every fifty cubic yards of concrete or fraction thereof on each day's pour. One cylinder shall be tested at 7 days and three at 28 days. The remaining cylinder shall be held in reserve as a spare. The making and testing of cylinders shall be conducted by an approved testing laboratory; contractor shall bear the cost of testing.
 - Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301.
 - Do not add water to concrete after adding high-range water-reducing admixtures to mixture.
- Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.
- Do not use vibrators to transport concrete inside forms. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches into preceding layer. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity. At each insertion, limit duration of vibration to time necessary to consolidate concrete and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.
- Maintain ALL reinforcement in position on chairs during concrete placement.

G. COLD WEATHER CONCRETING

- All cold weather concrete work shall meet the requirements of ACI Committee 306, latest edition for cold weather concreting, if, for 3 consecutive days the average daily temperature drops below 40°F and stays below 50°F for more than one-half of any 24-hour period.
- Do not use frozen materials containing ice or snow.
- Do not place concrete on frozen subgrade or on subgrade containing frozen materials.
- The use of calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators is not permitted; the contractor shall utilize a high early strength mix design.

H. HOT WEATHER CONCRETING

- All hot weather concrete work shall be in accordance with ACI 301. Maintain concrete temperature below 90°F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water.
- Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

I. EMBEDDED CONDUIT

- Embedded conduits and/or pipes shall not be installed in slabs or columns, unless approved by the structural engineer, prior to construction.
- Conduits and/or pipes shall be protected against rusting. Aluminum conduits and/or pipes shall not be embedded in concrete.

V. REINFORCED MASONRY

A. Unit design and construction per National Concrete Masonry Association.

- B. Concrete Masonry Units.....ASTM C90
- Design Masonry Compressive, f'm.....1,500 PSI

C. Mortar shall be type "M" or "S"

- Type "M" = 2500 PSI at 28 days
- Type "S" = 1800 PSI at 28 days

D. Grout for reinforced masonry - f'c = 3,000 PSI @ 28 days. Grout to be an 8-bag mix per cu. yd. with 8" to 9" slump.

E. All masonry shall be installed in a stacked bond pattern unless otherwise noted on structural drawings.

F. All cells containing reinforcing steel shall be grouted solid.

G. Foundation dowels shall be provided to match all vertical steel locations in masonry walls and shall allow for a splice length of 48 bar diameters.

H. All steel shall be braced against movement prior to grouting by bar positioners or an approved alternate.

I. Blocks should not be moistened before grouting.

J. All masonry head joints, or end joints must be filled solidly with mortar for a distance in from the face of the wall no less than the thickness of the longitudinal face shells.

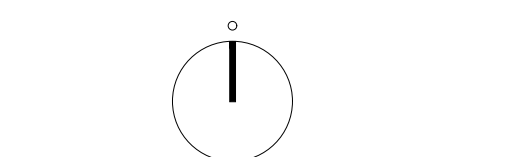
REVISIONS

NO.	DATE	DESCRIPTION

NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE



DRAWING NAME

OUTLINE SPECIFICATIONS

S0.2

STRUCTURAL OUTLINE SPECIFICATIONS CURRY COUNTY LIVESTOCK PAVILION, CLOVIS NM, 88101



CURRY COUNTY LIVESTOCK PAVILION
 1900 E BRADY AVE. CLOVIS, NM 88101
 100% CONSTRUCTION DOCUMENTS

- K. To ensure proper placement of grout in vertical cells, cross webs must be fully bedded on mortar thus minimizing leakage.
- L. The minimum continuous unobstructed cell area must not be less than 2" x 4" = 8 in. sq. and mortar fins must be removed before grouting.
- M. Mortar droppings must be kept out of cells which are to be grouted.
- N. Clean out holes are not required unless grouting is done in more than 4'-8" lifts.
- O. Bars need not be tied at splices but should be separated by not less than the nominal diameter of the bar, nor less than 1 in.
- P. All vertical reinforcement shall be in place and secured with bar positioners prior to grouting.
- Q. All grout shall be puddled or rodded to ensure cells are completely filled.
- R. Grout placement stopped for one hour or more should be stopped 1 1/2" below the top of the masonry unit to provide key for subsequent grouting.
- S. Reinforcing steel = A615, Grade 60.
- T. High lift grouting, in heights of 4'-8" or more, in hollow masonry units, cleaning holes shall be provided at all cores containing vertical reinforcement.
- U. Single-Wythe walls: provide ladder type horizontal joint reinforcing with 9-gauge, side and cross rods at every course. (Dur-O-Wall Ladur Type or Equal)
- V. Double-Wythe walls: provide ladder type horizontal joint reinforcing with 3/16" double wire eyes spaced at 16" o.c. with 3/16" wire pintels. (Dur-O-Eye Ladur Type or Equal)
- W. Test grout per ASTM 1019.
- X. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jamps, and, where possible, at other locations.
- Y. Vertical control joints shall be installed at 20' o.c. or within 15' of a corner, UON. Coordinate locations of all control joints with Architect prior to installation.
- Z. All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.
- VI. STRUCTURAL STEEL**
- A. Work shall conform to all applicable codes and specifications and in accordance with the American Institute of Steel Construction Specifications, latest edition, the AWS D1.1 and ASTM A-36, latest edition.
- B. Structural steel shall conform to the American Institute of Steel Construction Specifications:
- Hot rolled shapes must conform to the requirements of ASTM Specifications A-36, A-572 or A-992, with minimum yield of 36 or 50 ksi, respectively.
 - Round HSS, must conform to the requirements of ASTM A-500 Grade B with minimum yield strength of 42 ksi.
 - Rectangular HSS must conform to the requirements of ASTM A-500 Grade B with a minimum yield strength of 46 ksi.
 - Pipe sections must conform to the requirements of ASTM A53 with a minimum yield strength of 35 ksi.
 - Steel for Cold-Formed sections must conform to the requirements of ASTM A-1011 or A-1039 Grade 55, or ASTM A-653 Grade 55 with minimum yield strength of 55 ksi.
- C. Paint: steel shall be given primer coat of paint and at a rate to provide dry film thickness of not less than 1.5 mils. Field welds, bolts, nuts, abrasions, scrapes, etc., shall be primed after erection.
- D. Welding electrodes: welding electrodes for manual shielding metal-arc welding shall conform to E60 or E70 series of the "specifications for mild steel arc-welding electrodes, ASTM A233. Bare electrodes and granular flux used in the submerged arc process shall conform to the provisions of the A15C, Section 1.173, or Part5."
- E. Bolts, standard: Shall conform to ASTM A307.
- F. Bolts, high strength: Shall conform to ASTM A490, or A325 as shown.
- G. Grout for base plates shall be Embecco as manufactured by the Master Builders Company or approved equal.
- H. Provide 1/2" pre-molded expansion joint material where slab on grade is poured around columns unless otherwise shown.
- I. Shop drawings shall indicate all structural steel layouts and details showing the type of steel used for each member, sizes of members, connection details, welds, bolts, etc., as required to fabricate and erect all structural steel framing and type of shop paint used conforming to that specified.
- Coordinate final column locations based on opening size architectural requirements for finishes.
- J. All steel framing shall receive one shop coat of paint.
- K. Responsibility for errors of detailing, fabrication and for the correct fit of all structural steel members in accordance with the contract drawings shall lie entirely with the subcontractor for fabrication.
- L. Splices not shown on the drawings will not be permitted unless approved by the structural engineer.

- M. Structural steel shall be erected in accordance with the AISC specifications and in accordance with the AISC Code of Standard Practice, latest edition.
- N. Bolted field connections, unless otherwise noted, shall be standard framed beam connections, and made in accordance with specifications for structural joints using ASTM A-490 bolts, or A-325 bolts as shown.
- O. Brace and maintain all steel in alignment until other parts of construction necessary for permanent bracing or support are completed. Install temporary guys and bracing to resist wind loading designated in applicable building code. The contractor is responsible for the stability of the steel frame until such time as all structural elements have been completed and the building is enclosed.
- P. The owner shall engage an independent testing and inspection agency to inspect bolted and welded connections. If deemed necessary by the Structural Engineer; radiographic/ultrasonic/magnetic particle testing of structural welds.
- Q. Fabricator and installer qualifications
- A qualified fabricator or installer that participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category STD.
 - In lieu of participation in the AISC Quality Certification Program or AISC-Certified, the fabricator/erector may employ the services of an approved independent qualified inspector for structural steel. Inspector qualifications and special inspections shall conform to the requirements of the International Building Code, Chapter 17, and shall be in accordance with AWS D1.1.
- VII. COLD-FORMED METAL FRAMING**
- A. All cold-formed metal framing shall be designed in accordance with "specifications for the design of cold formed steel structural members" as published by AISI, latest edition, and shall be formed from corrosion-resistant steel corresponding to the requirements of ASTM A446.
- B. All cold-formed metal components are subject to wind load designs in accordance with the International Building Code - Wind pressure designs and shop drawings shall be signed and sealed by a structural engineer registered in the state of New Mexico and shall be submitted to the Architect for approval.
- C. All welding shall conform to the provisions of AWS D1.1 and ANSI/AWS D1.3. Where the weld throat is not shown in the drawings, the weld throat shall be at least as large as the thickness of the thinnest sheet joined. All welds shall provide complete fusion of the sheets without "blowouts."
- D. Fabricate steel-framing accessories from steel sheet, ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated, of same grade and coating weight used for framing members.
- E. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed metal framing with galvanized repair paint according to ASTM A 780 and manufacturer's written instructions.
- VIII. METAL BUILDING SYSTEMS**
- A. DESIGN REQUIREMENTS
- The building manufacturer will use standards, specifications, recommendations, findings and/or interpretations of professionally recognized groups such as AISC, AISI, AWS, ASTM, CSA, CWB, MBMA, Federal Specifications, and unpublished research by MBMA as the basis for establishing design, drafting, fabrication, and quality criteria, practices, and tolerances. The Manufacturer's design, drafting, fabrication and quality criteria, practices, and tolerances shall govern, unless specifically countermanded by the contract documents.
 - Design structural mill sections and built-up plate sections in accordance with:
 - Code-appropriate edition of AISC's "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", ANSI/AISC 360 ASD method.
 - Cold-Formed steel structural members and panels will generally be designed in accordance with "Specifications for the Design of Cold-Formed Steel Structural Members", 2007 Edition, ANSI/AISI S-100-07 or CAN CSA S136-07.
 - Design weldments per the following:
 - Structural Welding
 - Design per AWS D1.1, "Structural Welding Code - Steel", Latest Edition.
 - Cold-Formed Welding
 - Design per AWS D1.3, "Structural Welding Code - Sheet Steel", Latest Edition.
 - Standard serviceability criteria
 - Rigid Frame Members Lateral Drift (wind/seismic)
 - Insulated and uninsulated metal all panels: L/60
 - Stucco, masonry, CMU, concrete panel finishes: L/240
 - Other flexible finishes: L/120
- B. SUBMITTALS
- Product Data: Manufacturer's data sheets on each product to be used, including:
 - Preparation instructions and recommendations.
 - Storage and handling requirements and recommendations.
 - Installation methods.
 - Shop Drawings: Provide complete erection drawings for the proper identification and assembly of all building components. Drawings will show anchor bolt settings, transverse cross-sections, sidewall, end wall and roof framing, flashing, and sheeting, and accessory installation details.
 - Certifications: Shop drawings and design analysis shall bear the seal of a registered professional engineer upon request. Design analysis shall be on file and furnished by the manufacturer upon request.
 - Bill of Materials: Bills of material shall be furnished and shall include item weights.

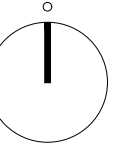
- Preventative Maintenance Manual.
 - Certifications: Certification of installer and welder qualifications shall be furnished as specified by the Project Engineer.
- C. QUALITY ASSURANCE
- Manufacturer / Fabricator Qualifications:
 - All primary products specified in this section will be supplied by a single IAS AC 472 Accredited Manufacturer /Fabricator with a minimum of five (5) years' experience.
 - Weldments/Welder/Weld Inspection Qualifications:
 - Welding inspection and welding inspector qualification for structural steel shall be in accordance with AWS D1.1, "Structural Welding Code - Steel", latest edition. Welding inspection and welding inspector qualification for cold-formed steel shall be in accordance with AWS D1.3, "Structural Welding Code - Sheet Steel", latest edition.
 - Erector Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified.
 - Design: Standard drawings and design analysis must bear the seal of a registered professional engineer. Design analysis must be on file and furnished by the manufacturer upon request.
- D. INSTALLATION
- There shall be no field modifications to primary structural members except as authorized and specified by the manufacturer.
- IX. POST-INSTALLED ANCHORS (Simpson Strong-Tie or approved equal)**
- A. Except where indicated on the drawings, post-installed anchors shall consist of the following anchor types as provided by Simpson Strong-Tie Company, Inc. or approved equal.
- Anchorage to concrete
 - Adhesive anchors for cracked and uncracked concrete with Set-3G™ technology:
 - Simpson Set-3G/Set-XP/Set-X adhesive anchoring system installed using the Simpson carbide-drill bit meeting the diameter requirements of ANSI B212.15.
 - Adhesive anchors for cracked and uncracked concrete with standard cleaning procedures use:
 - Simpson Set-XP Adhesive anchoring system with HAS-E threaded rod or deformed rebar per ICC-ES ESR-2508 for fast cure applications.
 - Simpson Set-XP Adhesive anchoring system with HAS-E threaded rod or deformed rebar per ICC-ES ESR-2508 for slow cure applications.
 - Anchorage to solid grouted masonry
 - Adhesive anchors use:
 - Simpson Set-3G/Set-XP/Set-X adhesive anchoring system installed using the Simpson carbide-drill bit meeting the diameter requirements of ANSI B212.15.
 - Steel anchor element shall be Simpson HAS-E continuously threaded rod or continuously deformed steel rebar.
 - Mechanical anchors use:
 - Simpson Titen HD® per ICC-ES ESR 1056
 - Simpson Wedge-All® per ICC-ES ESR 1396

- B. Anchor capacity used in design shall be based on the technical data published by Simpson Strong-Tie or such other method as approved by the structural engineer of record. Substitution requests for alternate products must be approved in writing by the structural engineer of record prior to use. The contractor shall provide calculations demonstrating that the substituted product can achieve the performance values of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature, and installation temperature.
- C. Install anchors per the manufacturer instructions, as included in the anchor packaging.
- D. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
- E. Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors, GPR, X-ray, chipping, or other means.

REVISIONS	

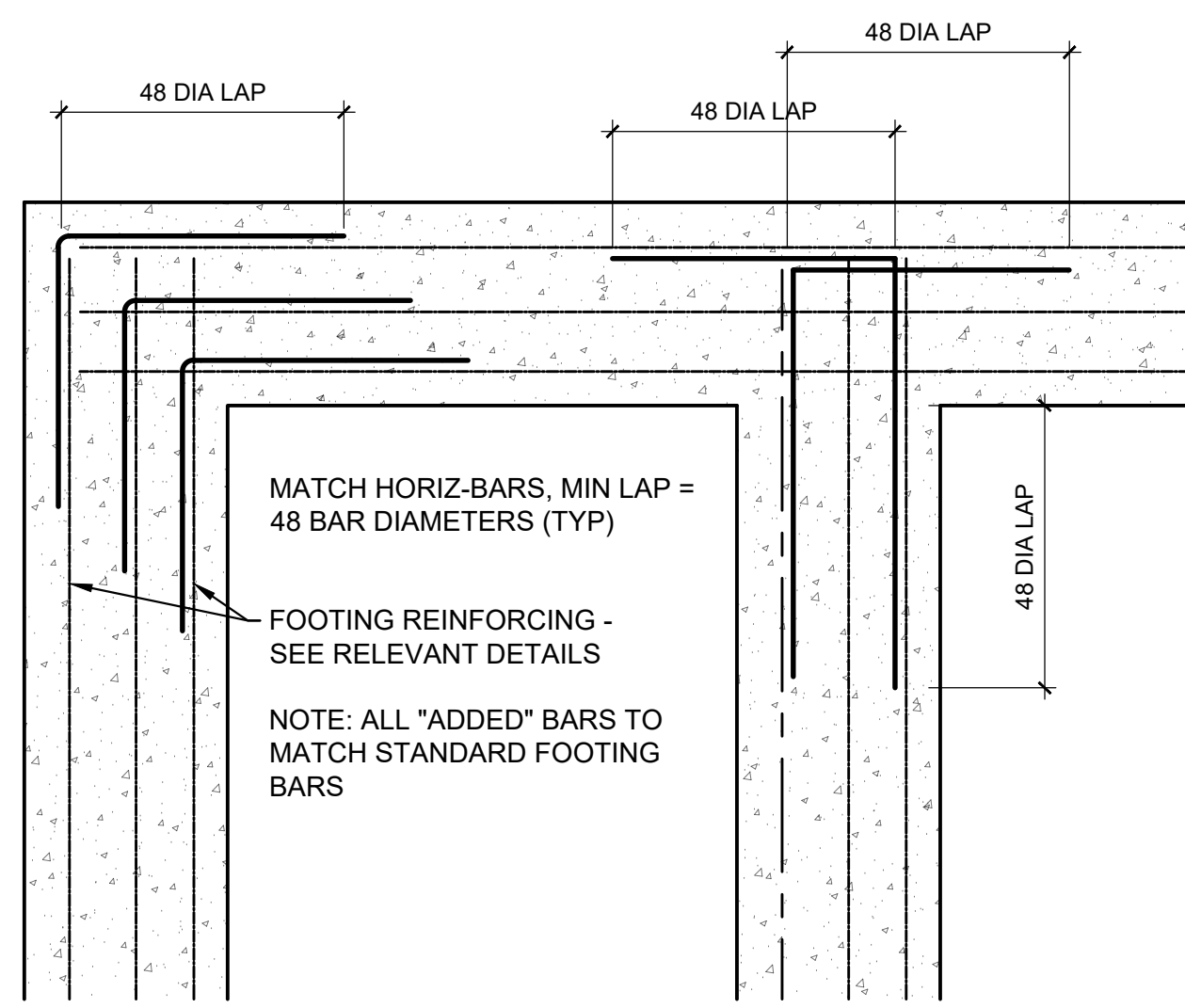
DRAWN BY	JAR
REVIEWED BY	EDT
DATE	6/9/2023
PROJECT NO	#23-0003

NORTH SCALE

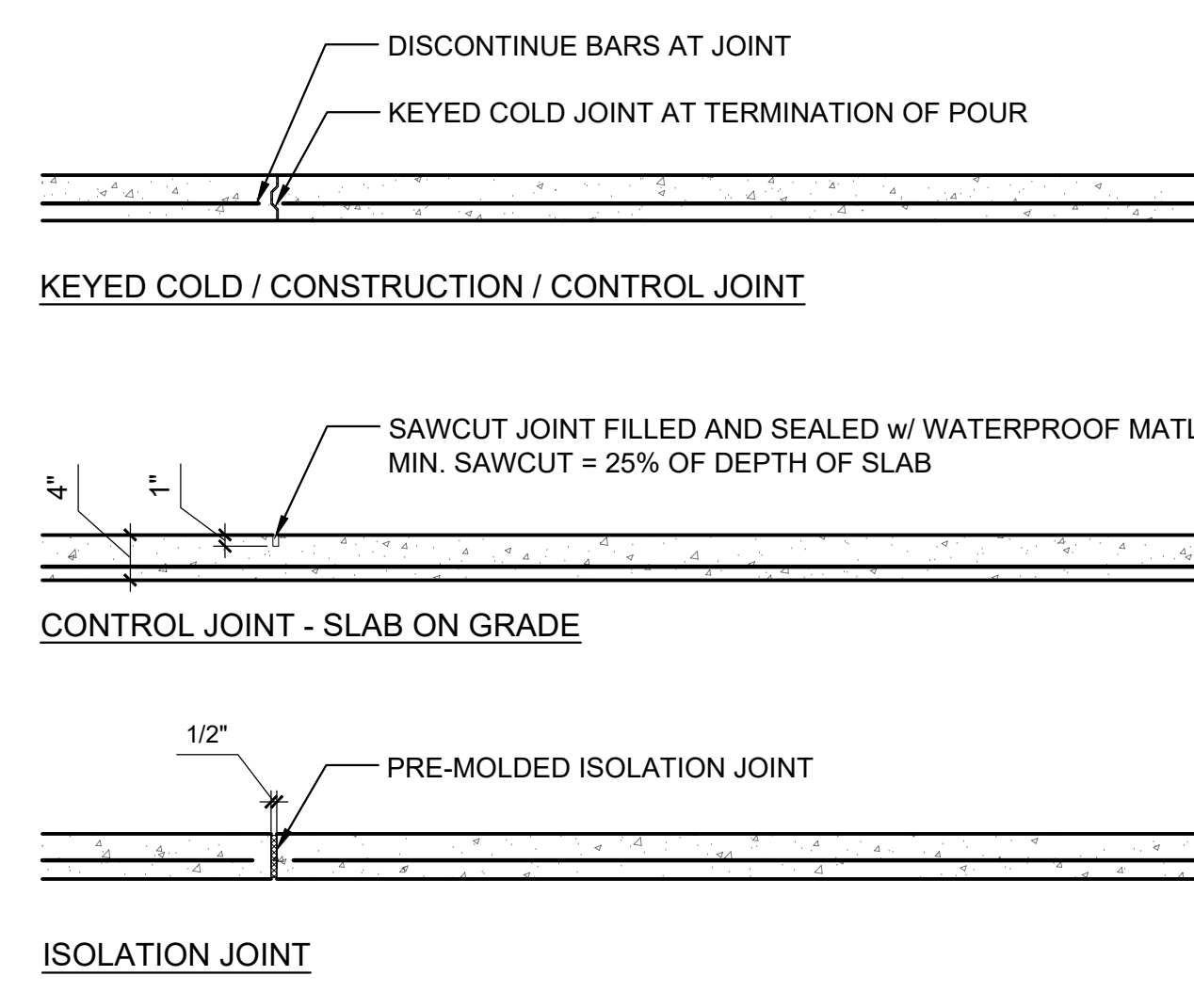


DRAWING NAME
OUTLINE SPECIFICATIONS

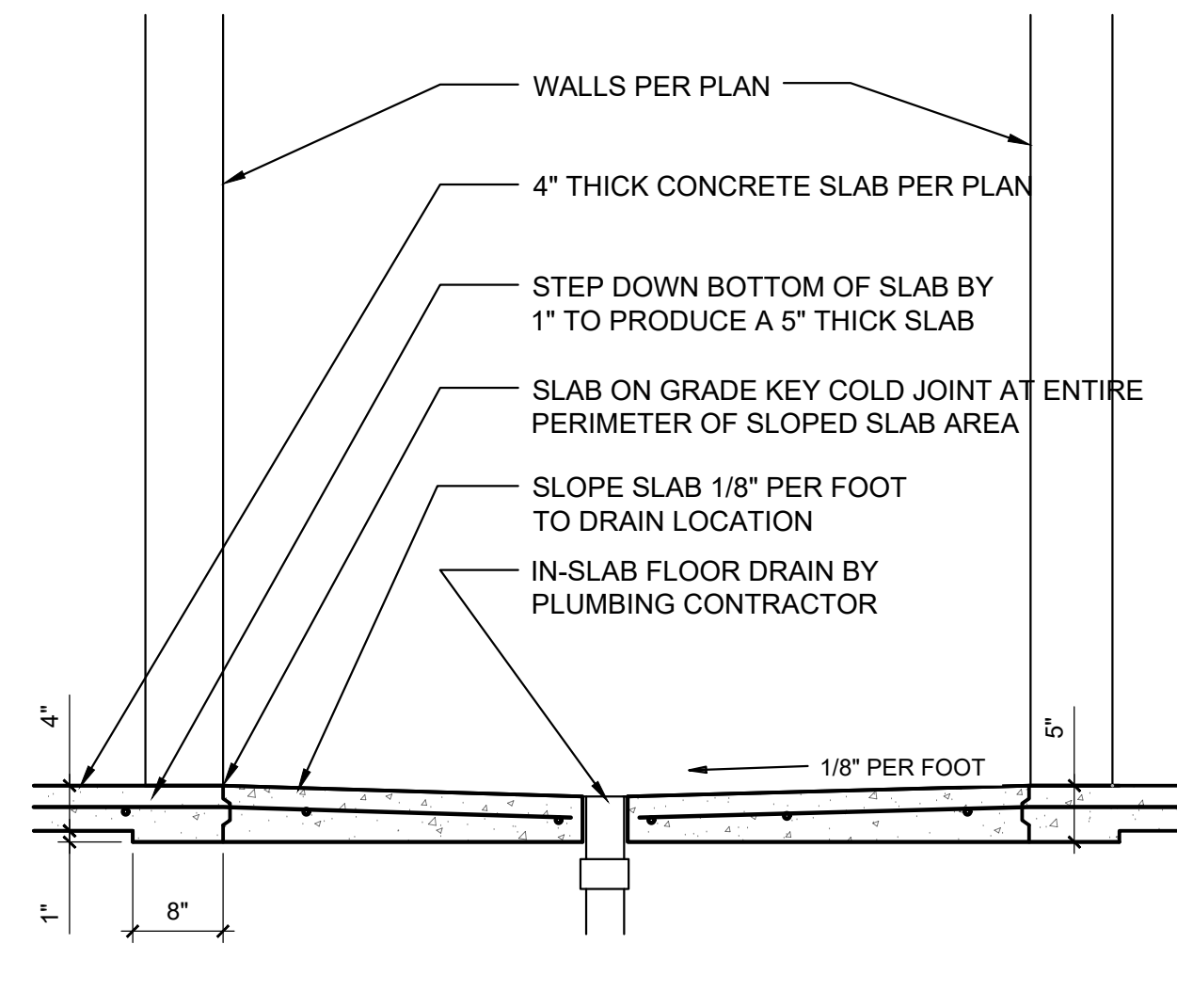
S0.3



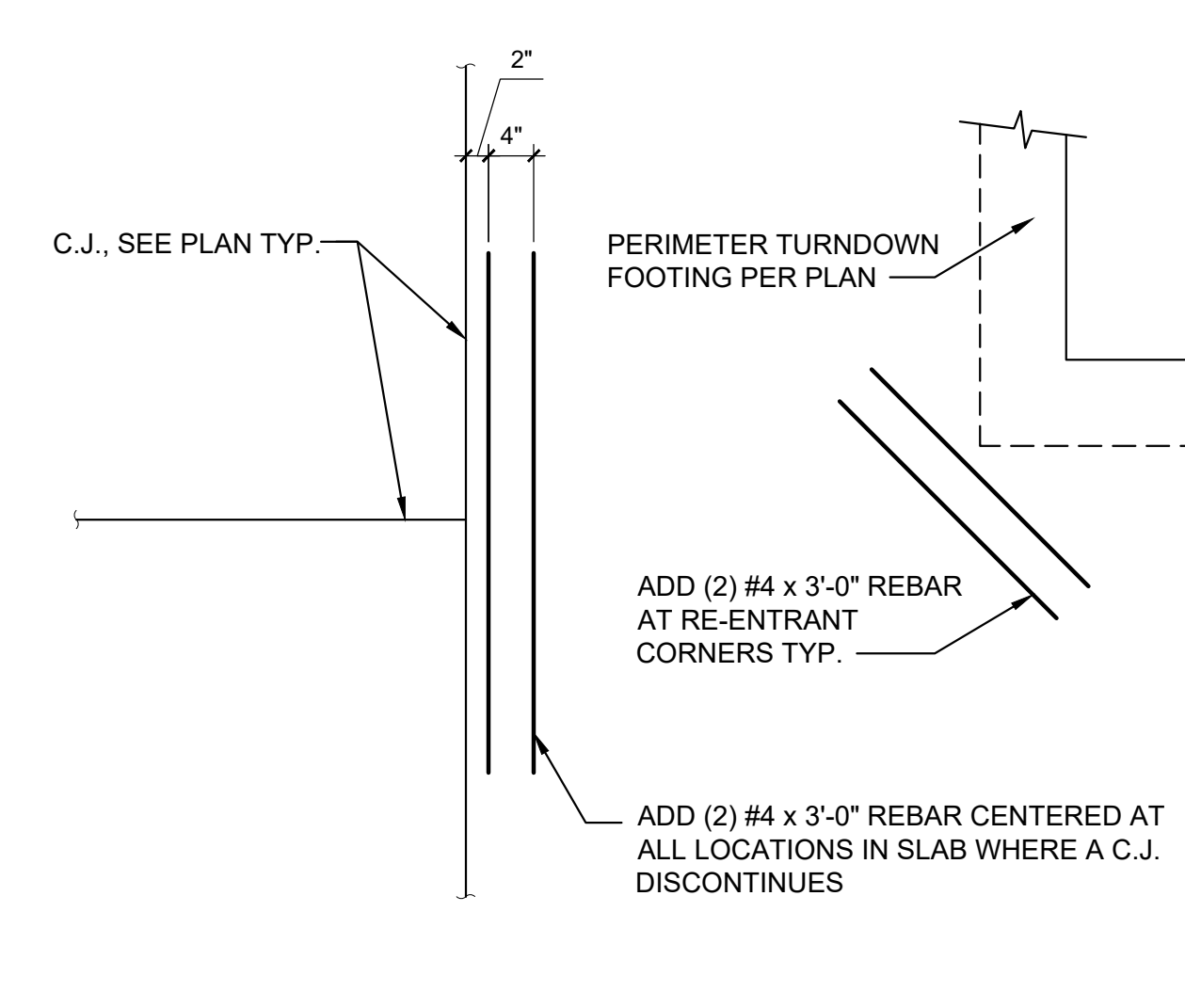
1 FOOTING CORNER AND INTERSECTION REINF.
S0.4 / 3/4" = 1'-0"



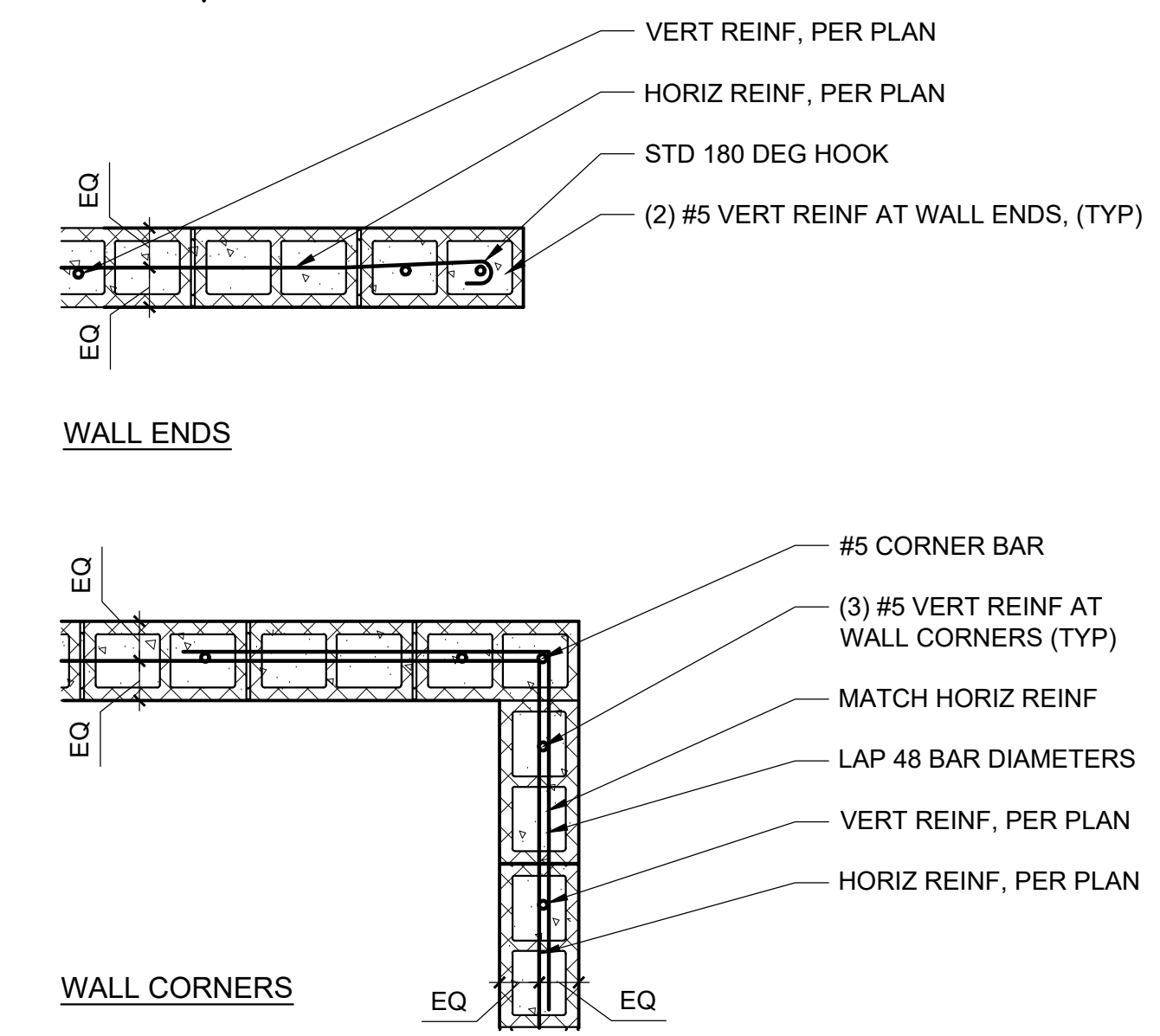
2 SLAB ON GROUND CONTROL JOINTS
S0.4 / 3/4" = 1'-0"



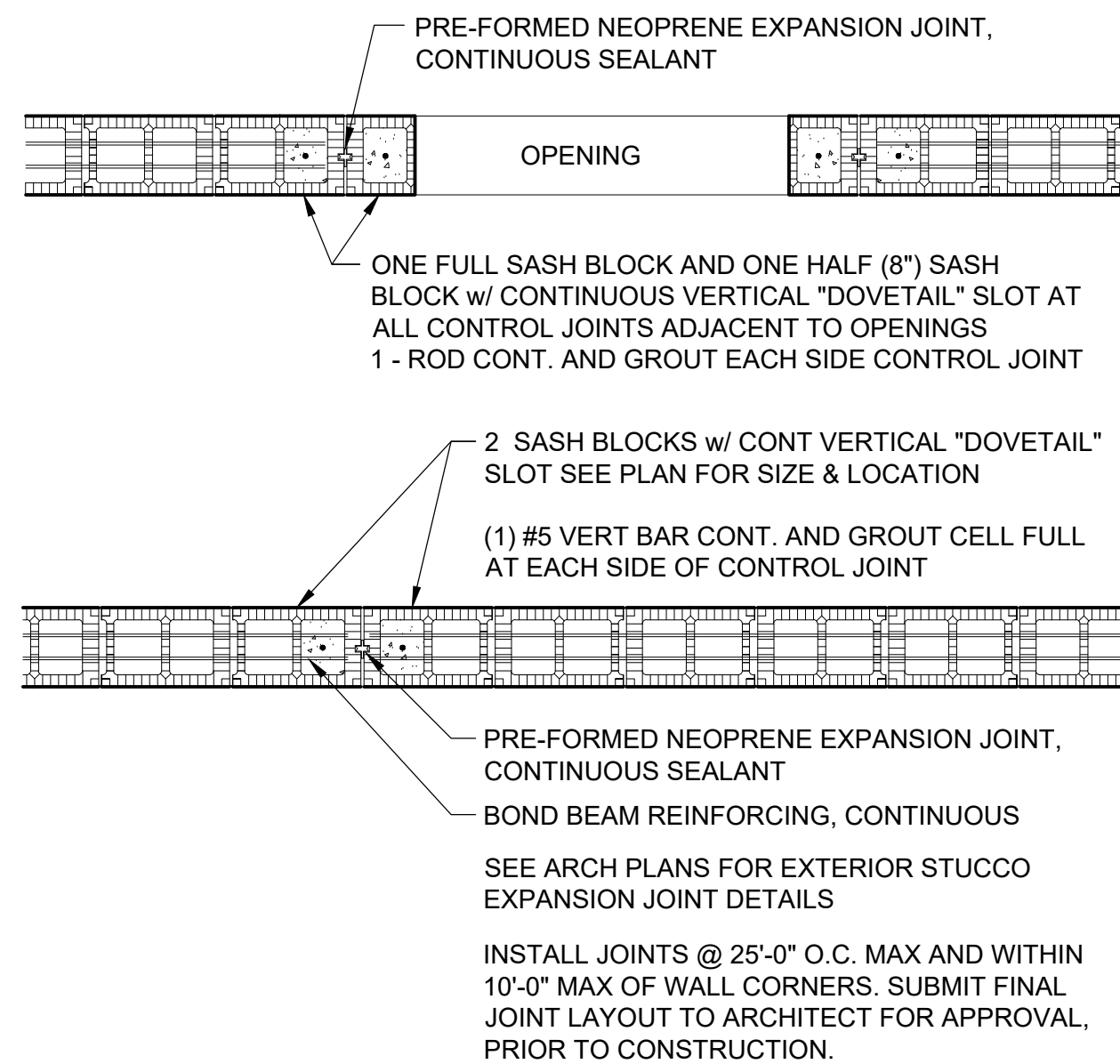
3 THICKENED SLAB SLOPED TO DRAIN
S0.4 / 3/4" = 1'-0"



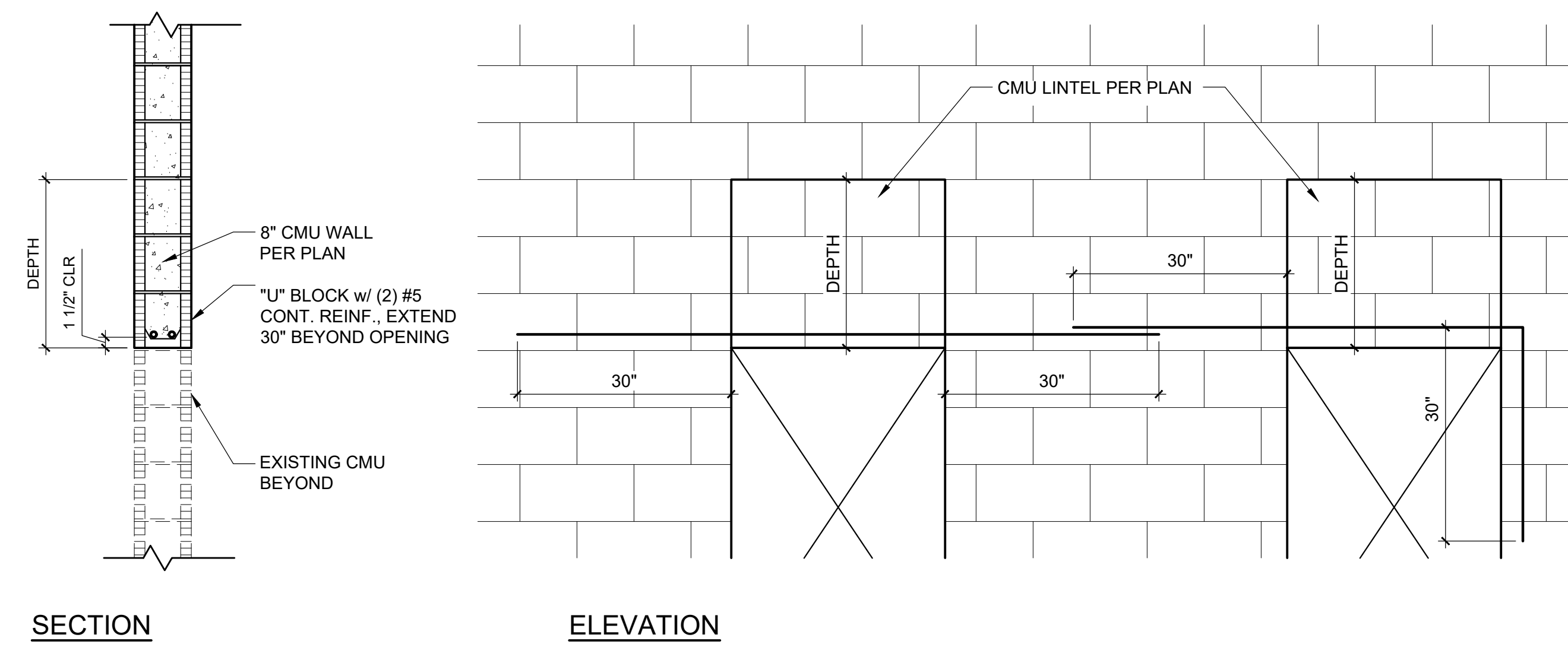
4 CRACK WIDTH CONTROL REINFORCING PLACEMENT
S0.4 / 3/4" = 1'-0"



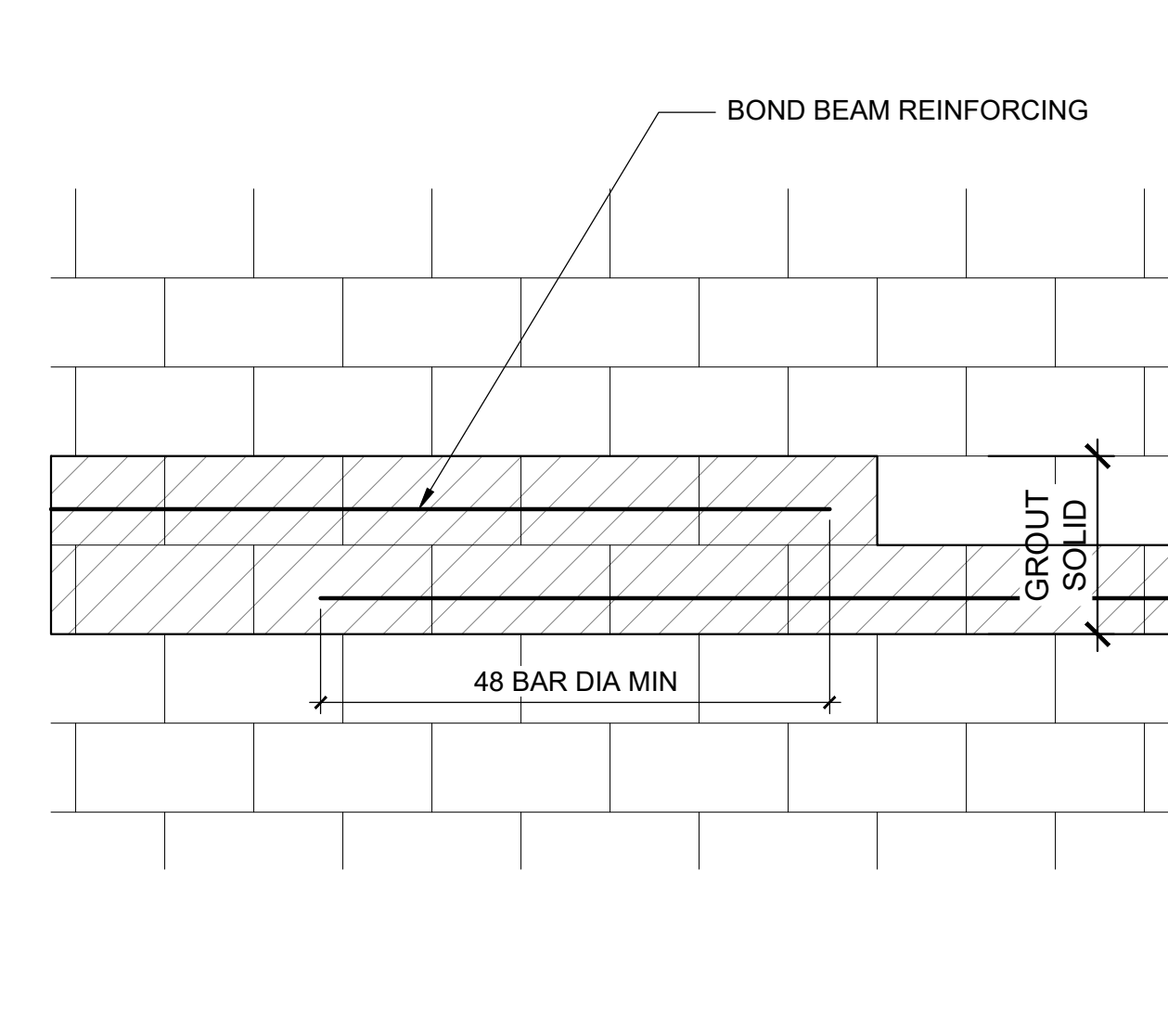
5 TYPICAL CMU CORNER AND END WALL REINFORCING
S0.4 / 3/4" = 1'-0"



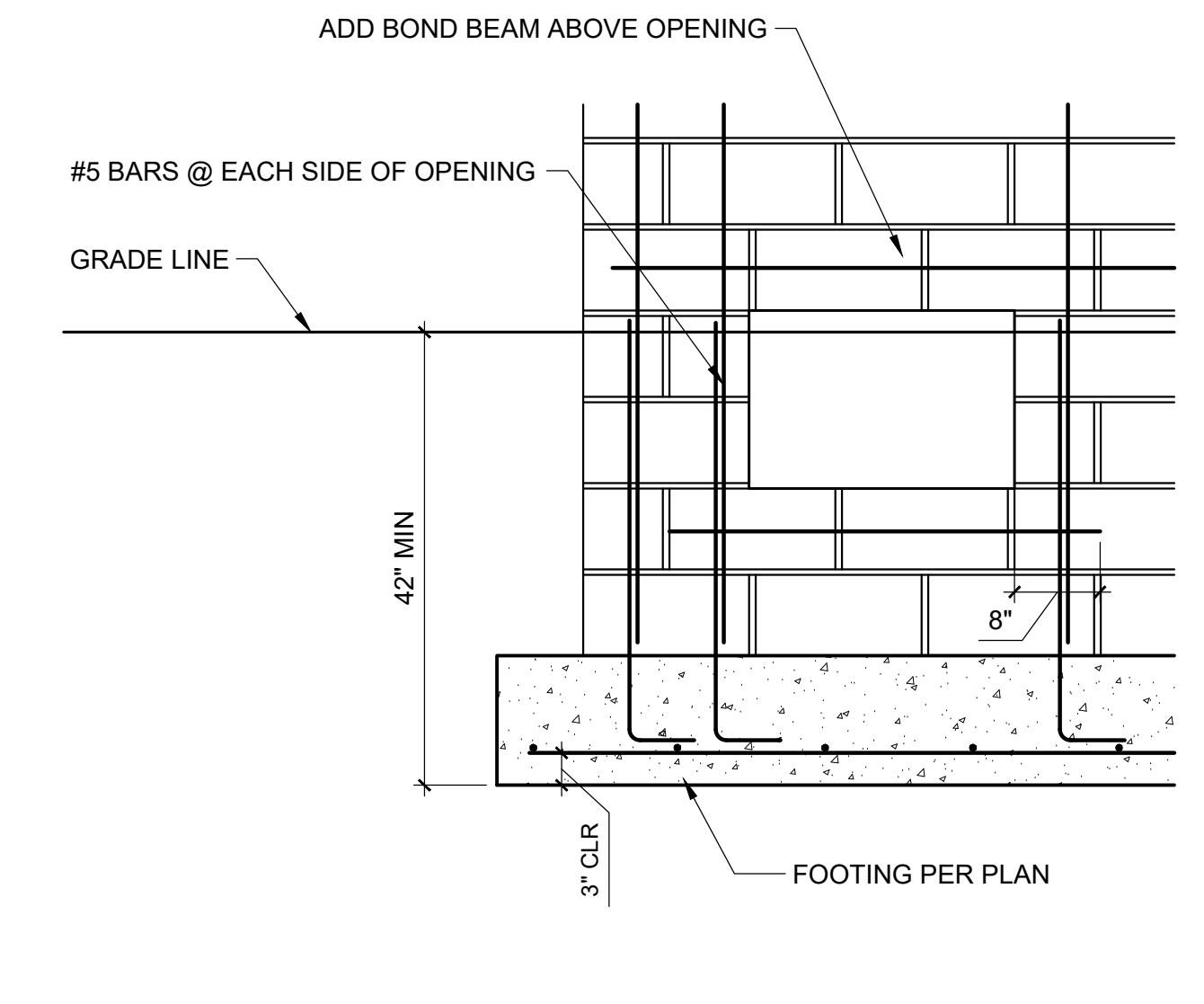
6 MASONRY CONTROL JOINTS
S0.4 / 3/4" = 1'-0"



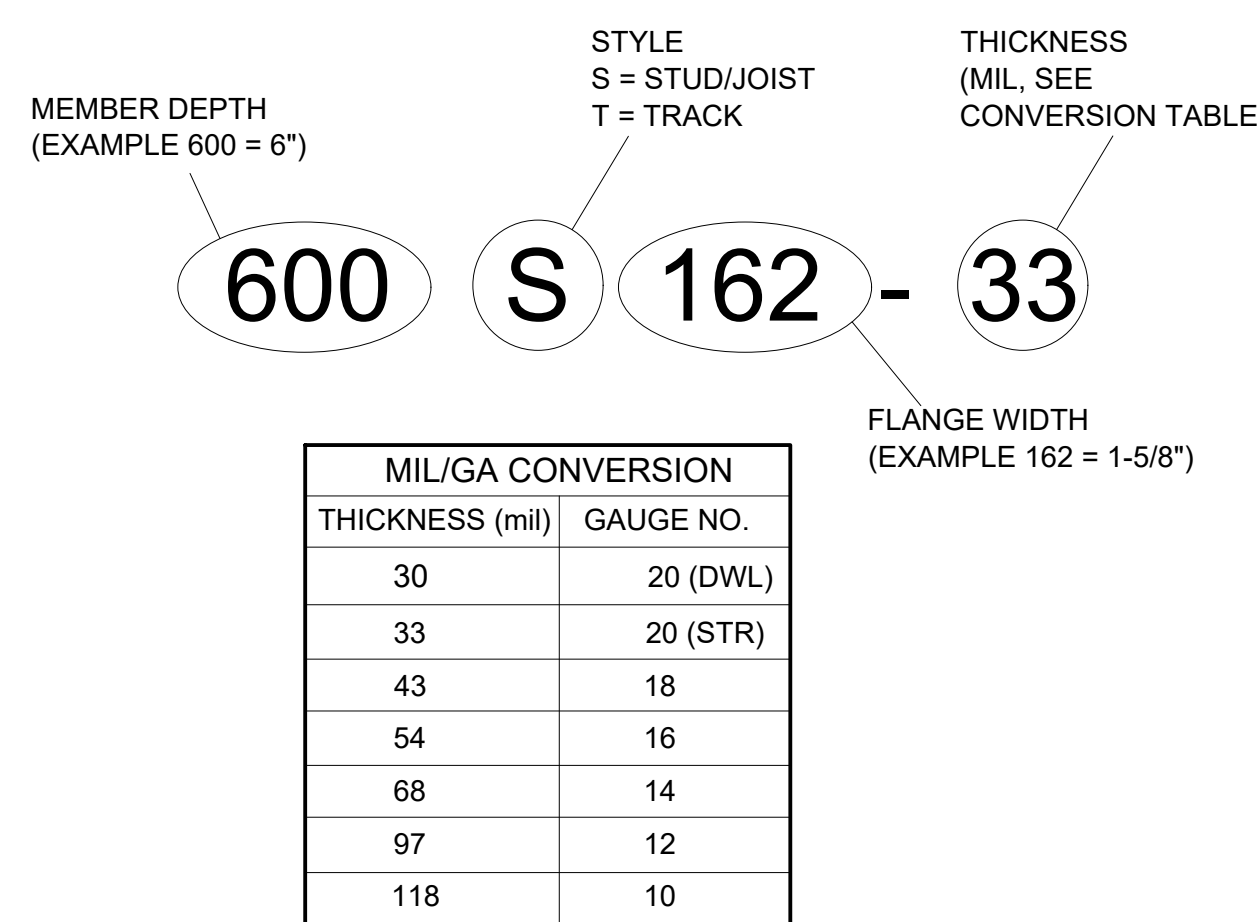
7 TYPICAL CMU LINTEL
S0.4 / 3/4" = 1'-0"



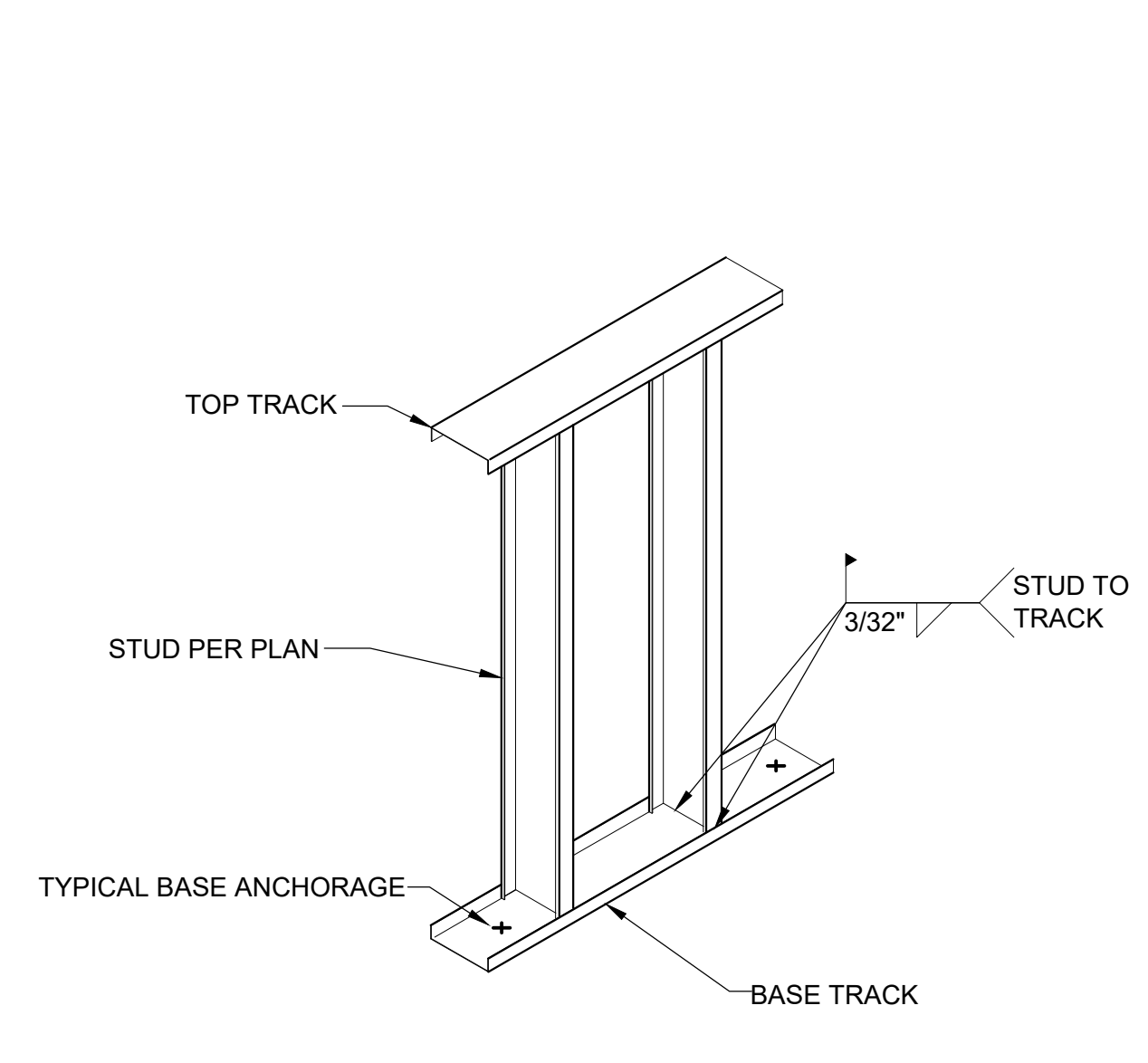
8 TYPICAL BOND BEAM STEP
S0.4 / 3/4" = 1'-0"



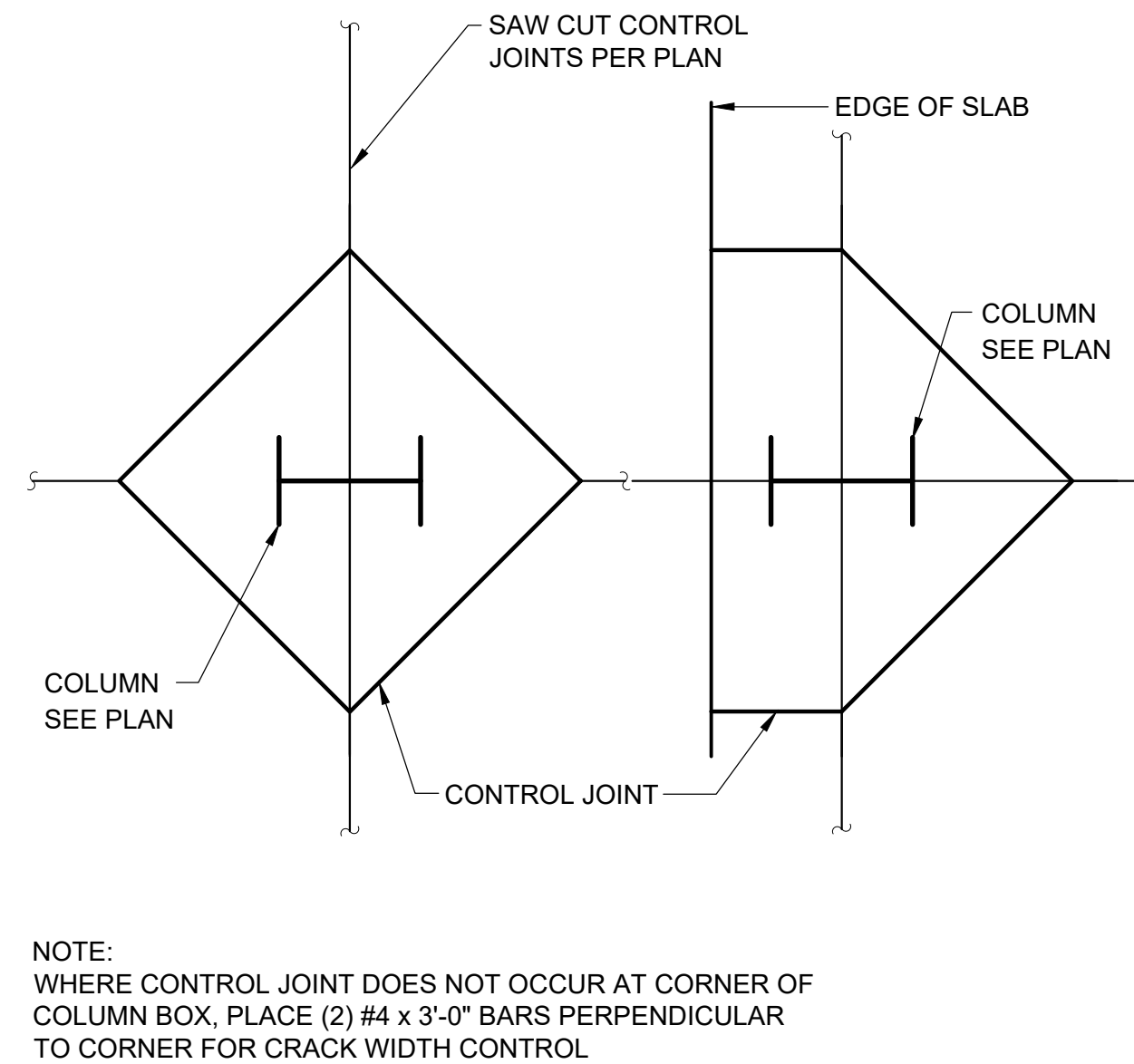
9 TYPICAL OPENING IN CMU STEM WALL
S0.4 / 3/4" = 1'-0"



10 METAL STUD DESIGNATIONS
S0.4 / 3/4" = 1'-0"



11 TYPICAL STUD TO TRACK FASTENING
S0.4 / 3/4" = 1'-0"



12 TYPICAL S.O.G. CRACK CONTROL AT COLUMNS
S0.4 / 3/4" = 1'-0"



REVISIONS

NO.	DATE	DESCRIPTION

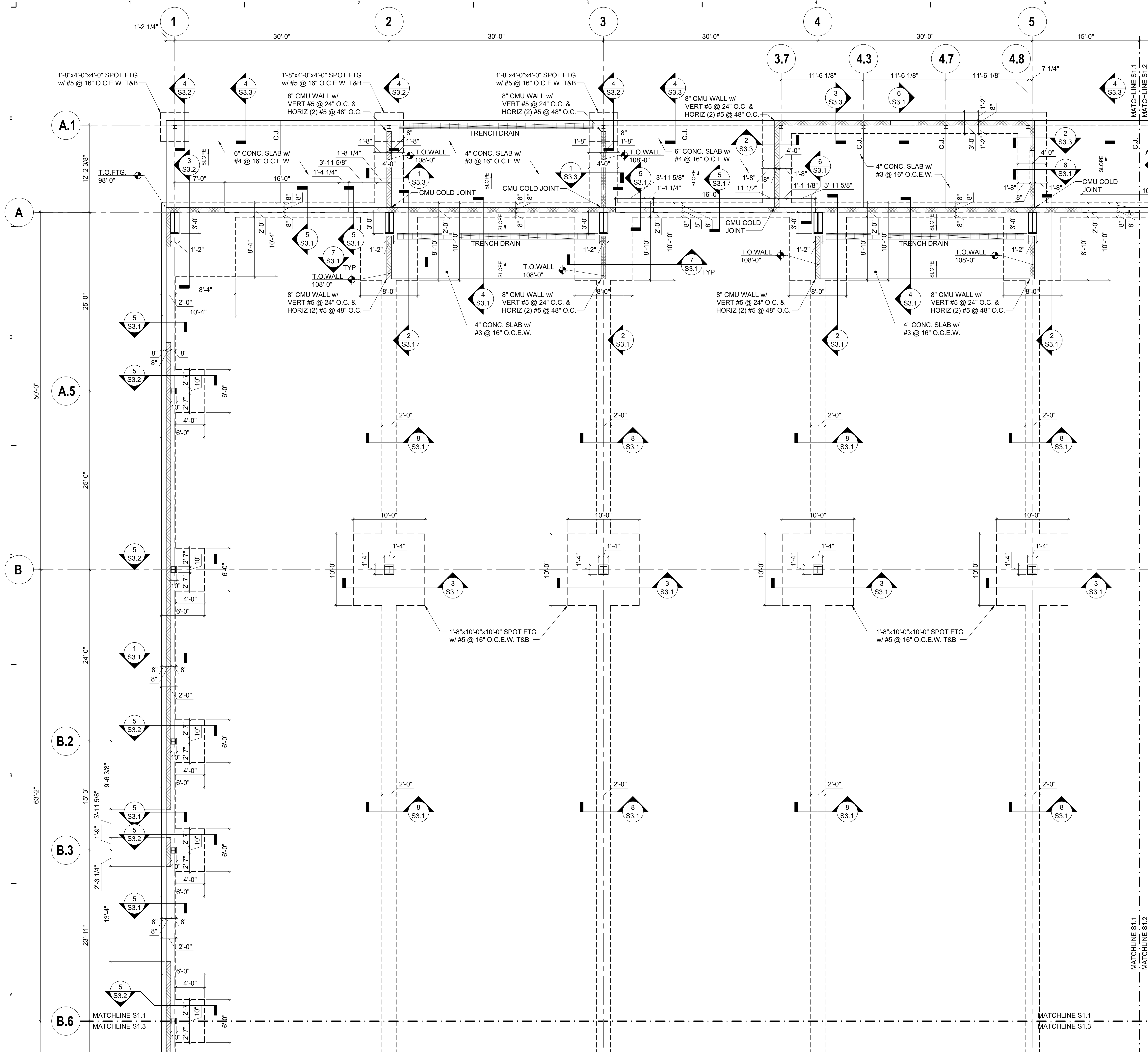
NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH - SCALE

DRAWING NAME
TYPICAL DETAILS

S0.4



1 FOUNDATION PLAN - NORTHWEST
3/16" = 1'-0"

GENERAL SHEET NOTES
A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE



Luchini Trujillo Structural Engineers
2019 Galisteo St. D2, Santa Fe, NM 87505
4110 Wolcott Ave NE Ste C, Albuquerque, NM 87110
505.424.3232 www.LTSENG.com info@ltseeng.com



REFERENCE KEYNOTES

LEGEND



CURRY COUNTY LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

REVISIONS

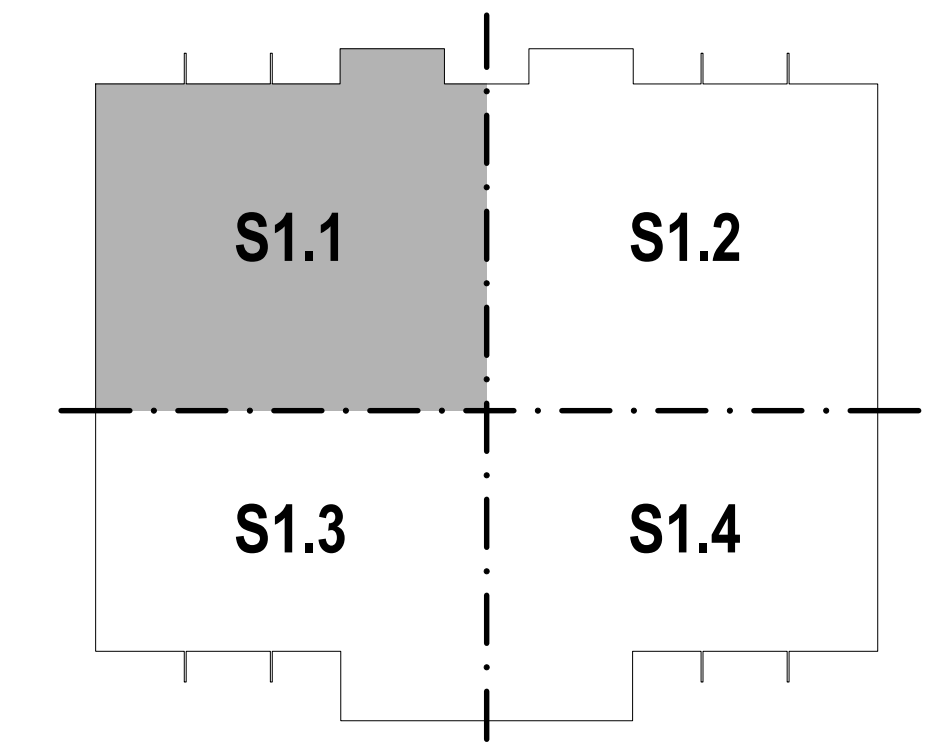
NO.	DATE	DESCRIPTION

NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

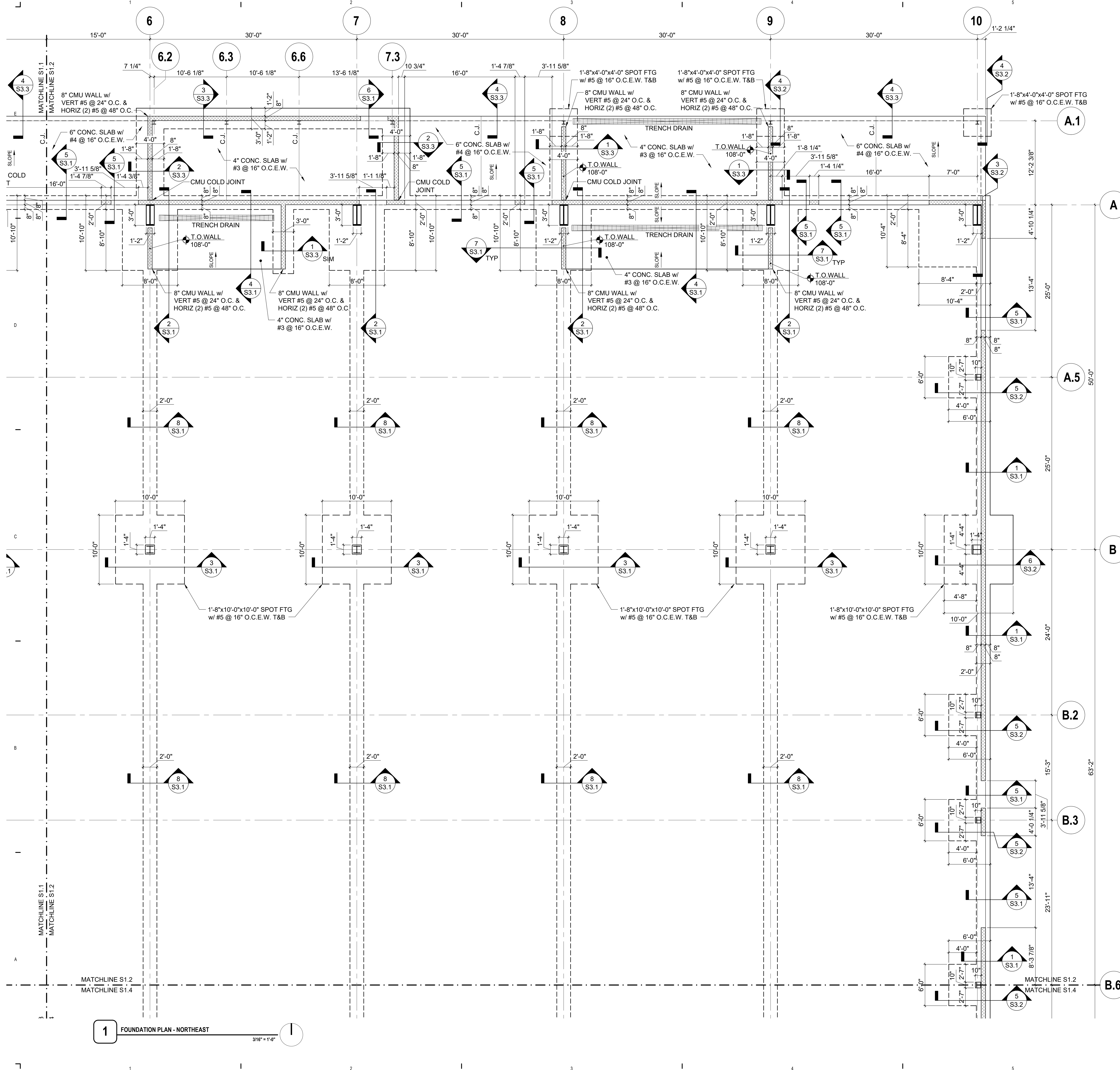
NORTH - SCALE

KEY PLAN



DRAWING NAME
FOUNDATION PLAN NORTHWEST

S1.1



1 FOUNDATION PLAN - NORTHEAST
3/16" = 1'-0"

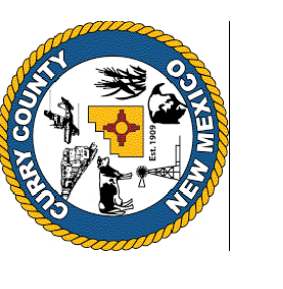
GENERAL SHEET NOTES

A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE

B. METAL BUILDING MANUFACTURER SHALL PROVIDE DESIGN TO ALLOW FOR THE BUILDING TO BE EXPANDED AT THE EXTERIOR WALL ALONG GRID 10.

FORMATIVE
ARCHITECTURE
209 GOLD AVENUE, N.E.
SANTA FE, NM 87505
505.424.3232 www.ltseng.com info@ltseng.com

Luchini Trujillo
Structural Engineers
2019 Galisteo St. D2, Santa Fe, NM 87505
4110 Wolcott Ave. NE Ste C, Albuquerque, NM 87110
505.424.3232 www.ltseng.com info@ltseng.com



REFERENCE KEYNOTES

LEGEND

CURRY COUNTY
LIVESTOCK PAVILION

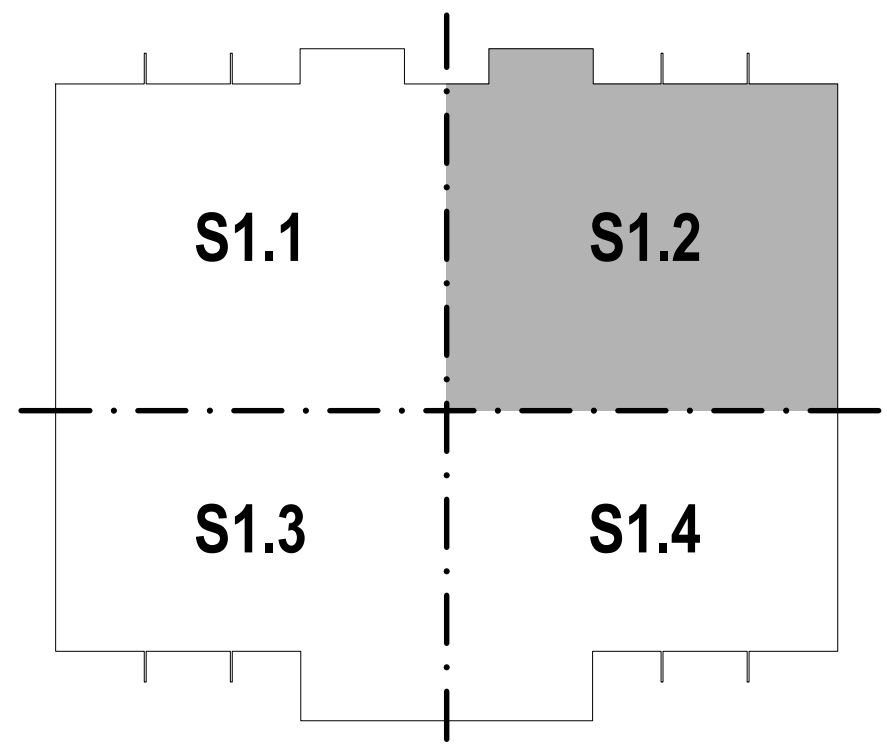
1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

REVISIONS	

NOTES	

DRAWN BY	JAR
REVIEWED BY	EDT
DATE	6/9/2023
PROJECT NO	#23-0003

KEY PLAN



DRAWING NAME
FOUNDATION PLAN NORTHEAST

S1.2



GENERAL SHEET NOTES

A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE

REFERENCE KEYNOTES

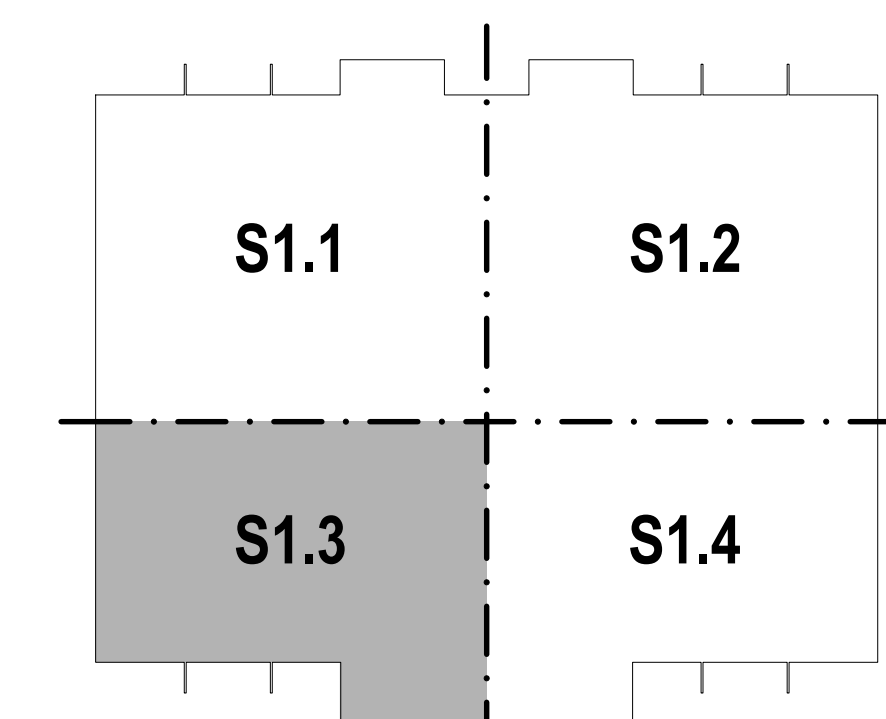
LEGEND

REVISIONS	
NOTES	

DRAWN BY	JAR
REVIEWED BY	EDT
DATE	6/9/2023
PROJECT NO	#23-0003

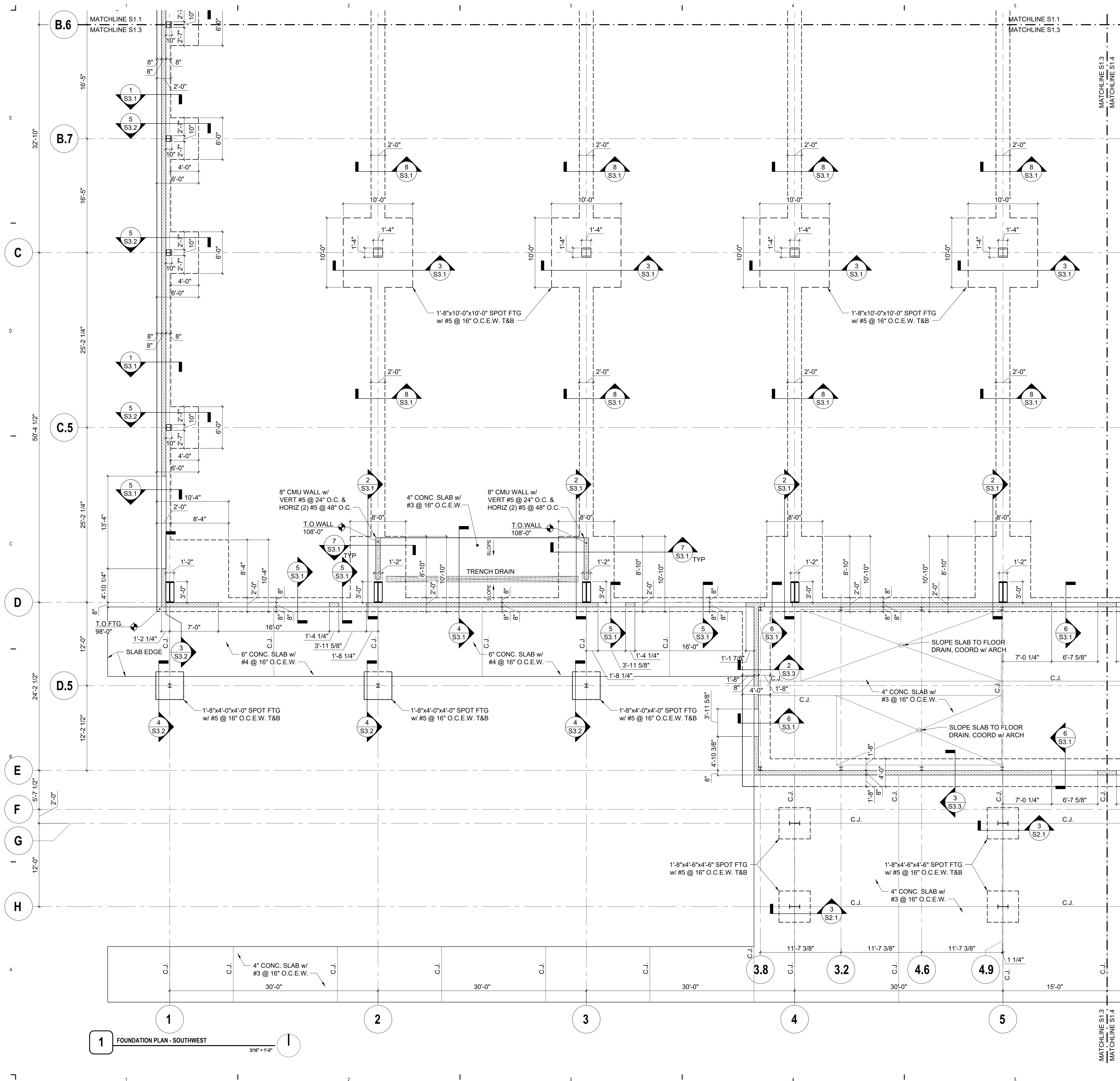
NORTH - SCALE

KEY PLAN

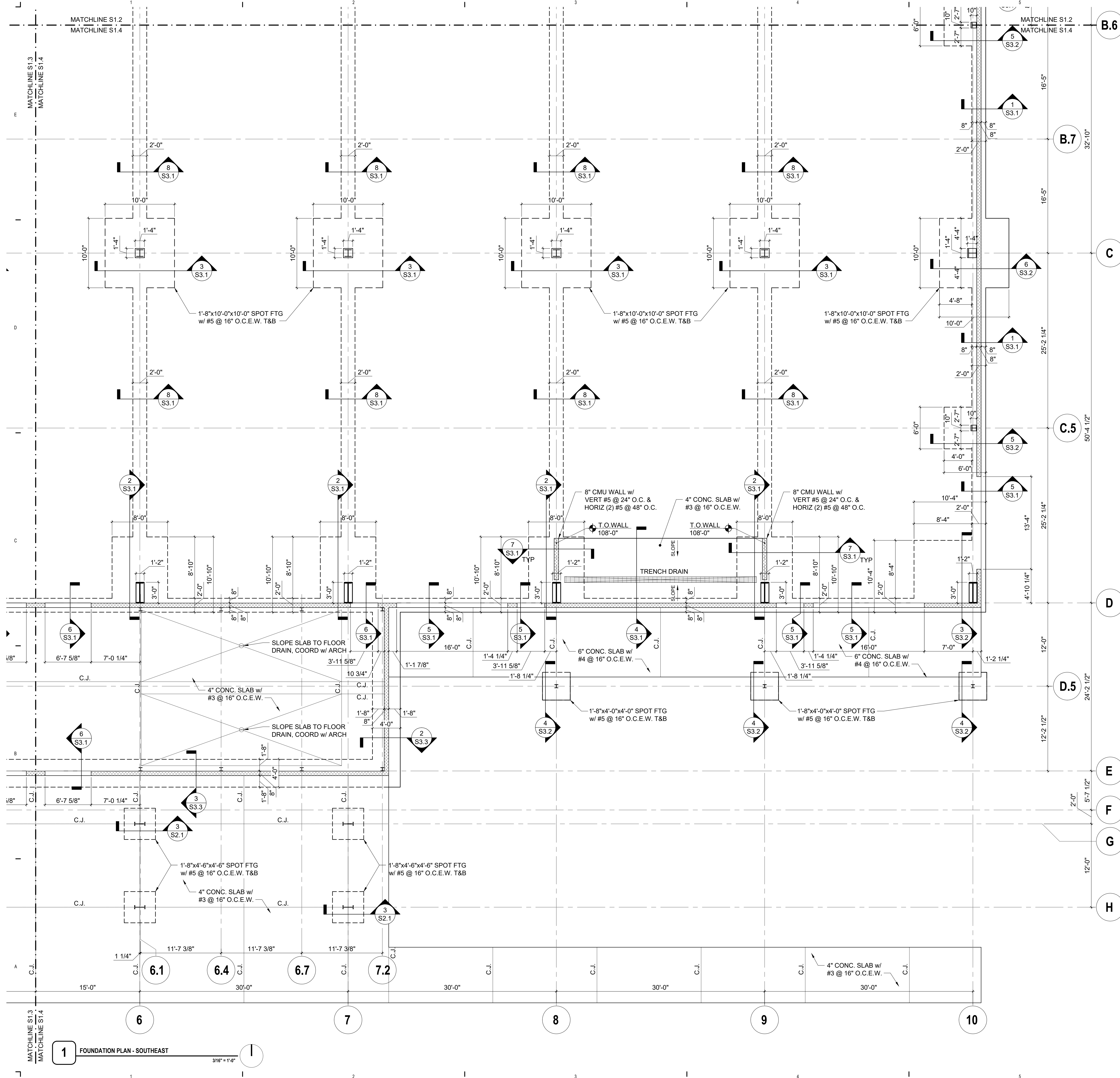


DRAWING NAME
**FOUNDATION PLAN
SOUTHWEST**

S1.3



1 FOUNDATION PLAN - SOUTHWEST
3/16" = 1'-0"



GENERAL SHEET NOTES

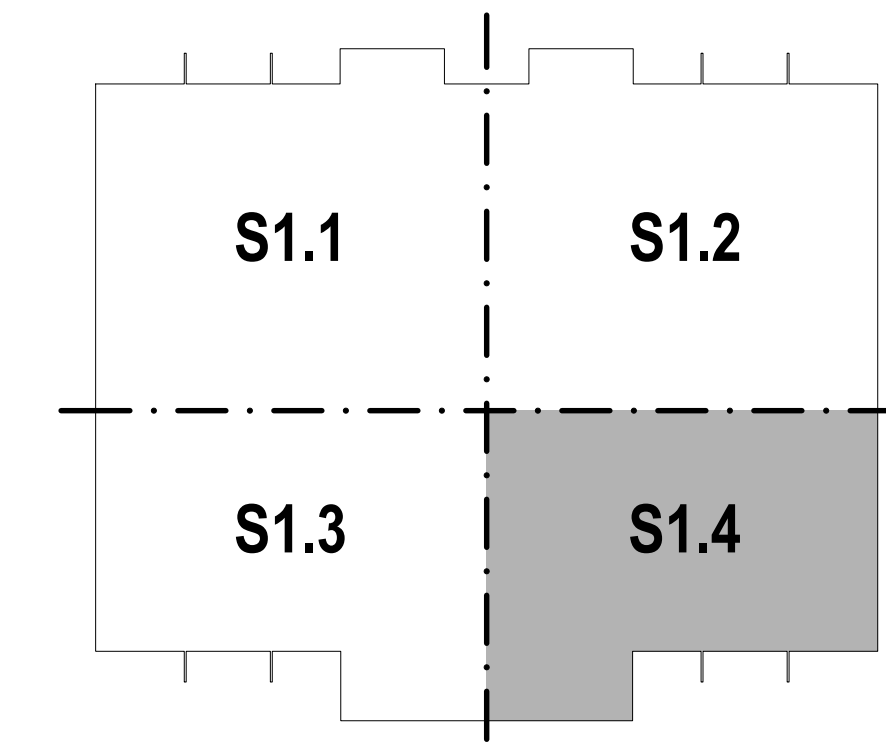
A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE

B. METAL BUILDING MANUFACTURER SHALL PROVIDE DESIGN TO ALLOW FOR THE BUILDING TO BE EXPANDED AT THE EXTERIOR WALL ALONG GRID 10.

REFERENCE KEYNOTES

LEGEND

KEY PLAN



Luchini Trujillo
Structural Engineers
2019 Galisteo St. D2, Santa Fe, NM 87505
4110 Wolcott Ave NE Ste C, Albuquerque, NM 87110
505.424.3232 www.LTSENG.com info@ltseeng.com



CURRY COUNTY
LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

NO.	REVISIONS

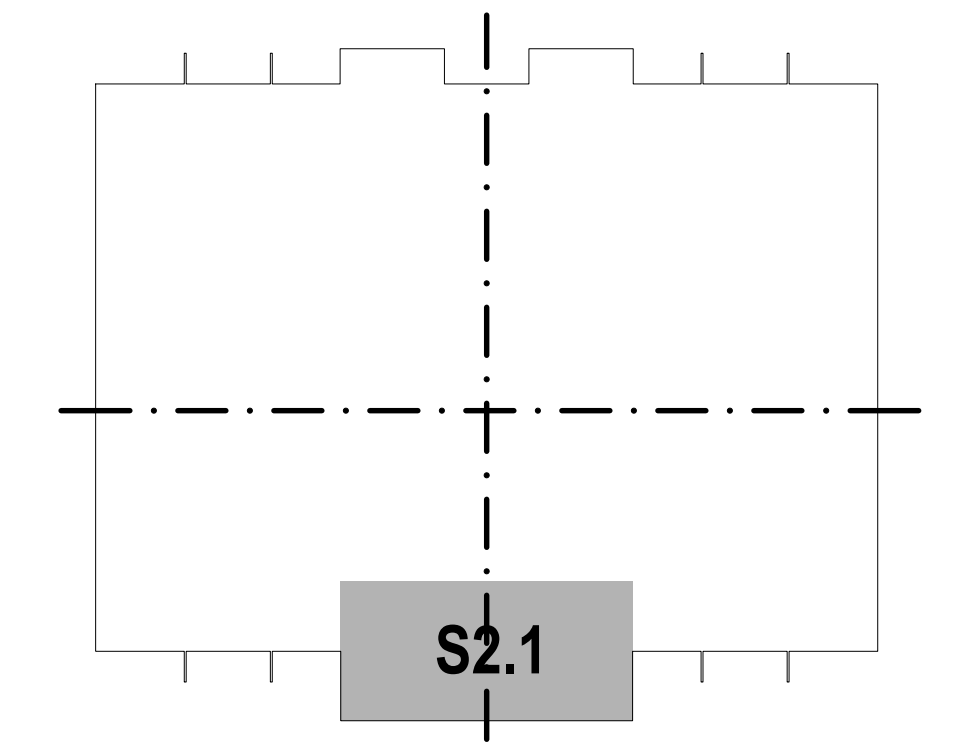
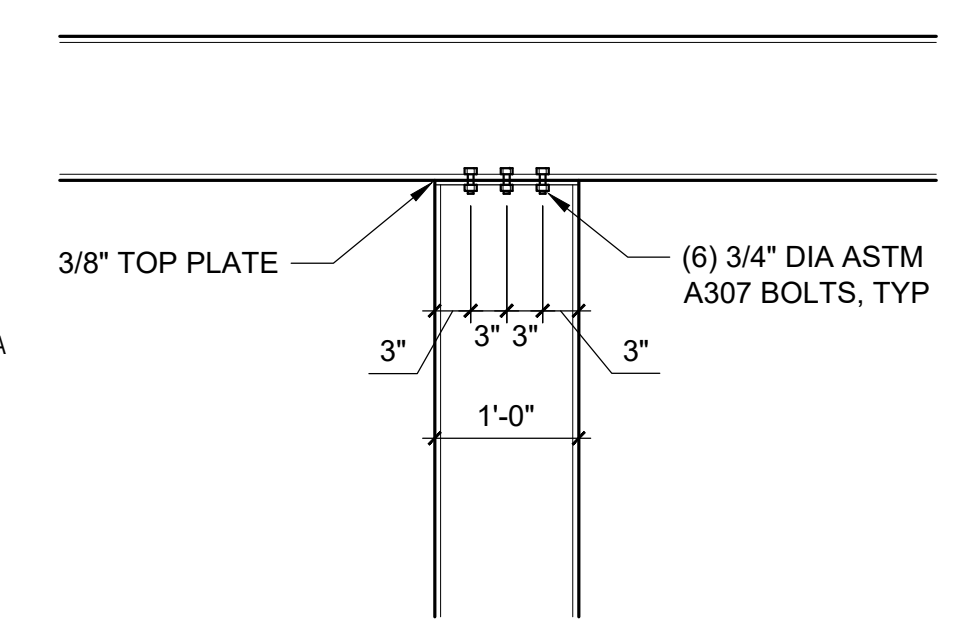
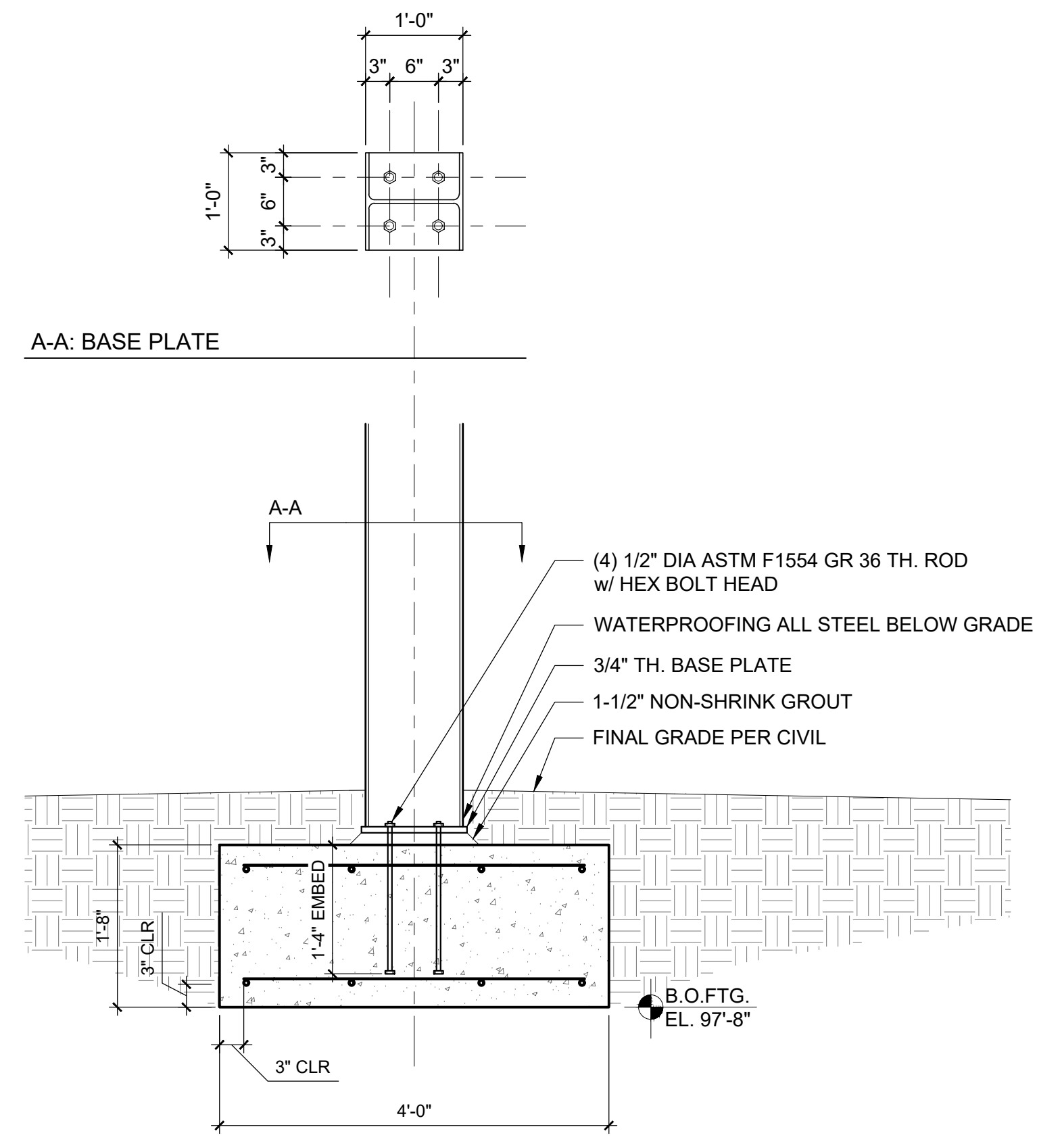
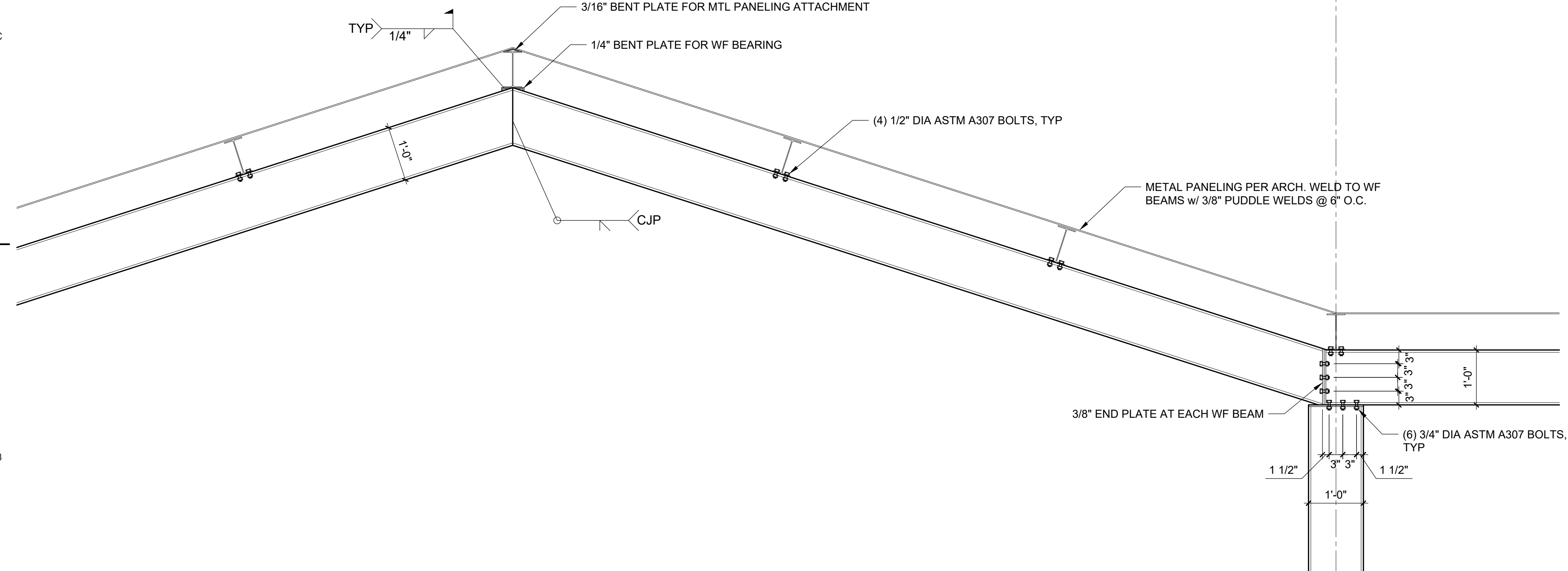
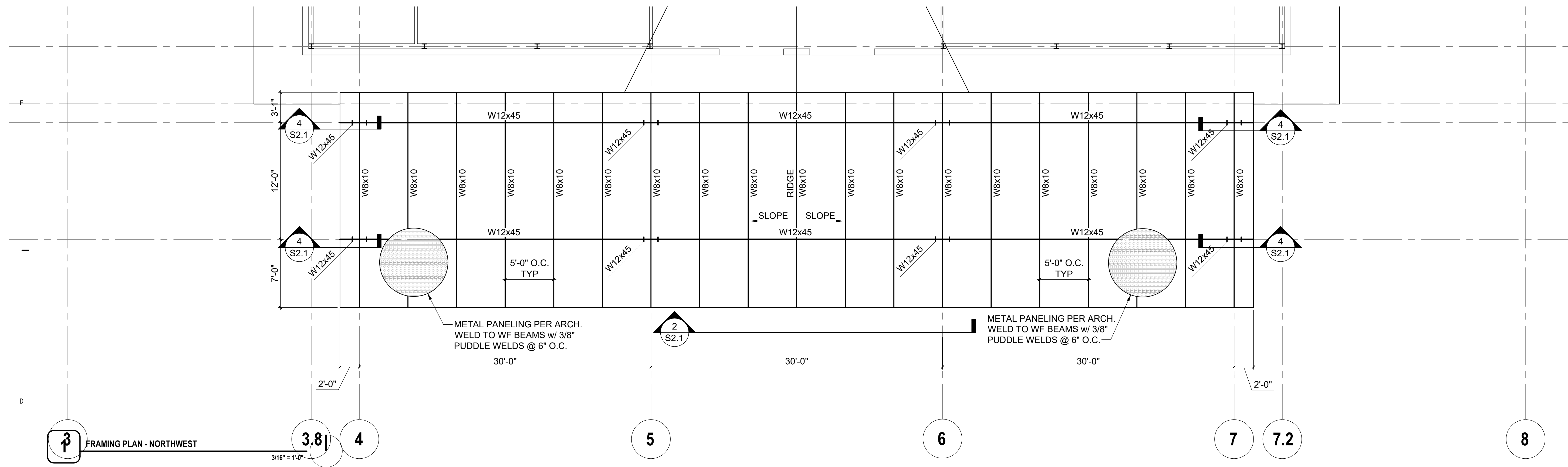
NO.	NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

DRAWING NAME:
**FOUNDATION PLAN
SOUTHEAST**

S1.4

1 FOUNDATION PLAN - SOUTHEAST
3/16" = 1'-0"



REVISIONS

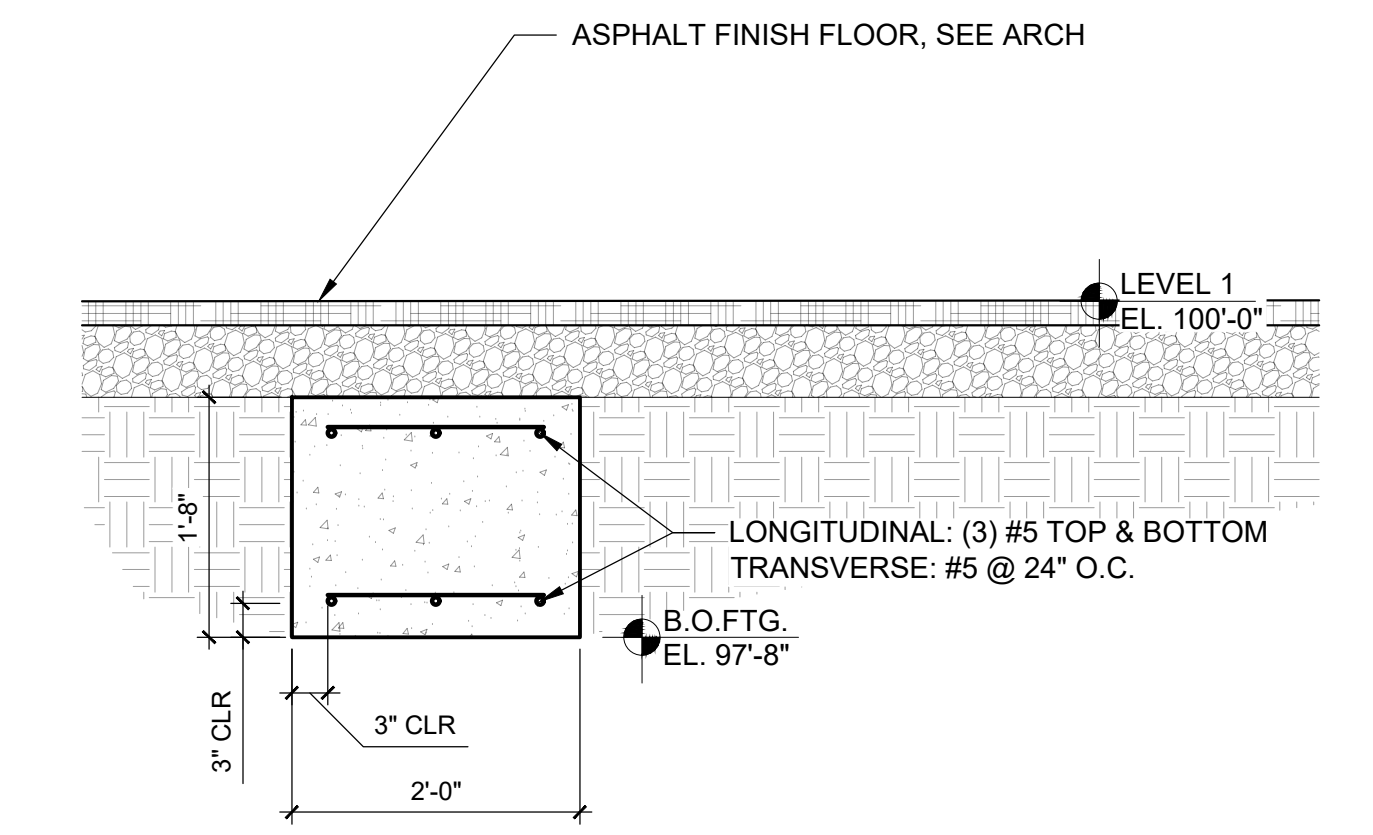
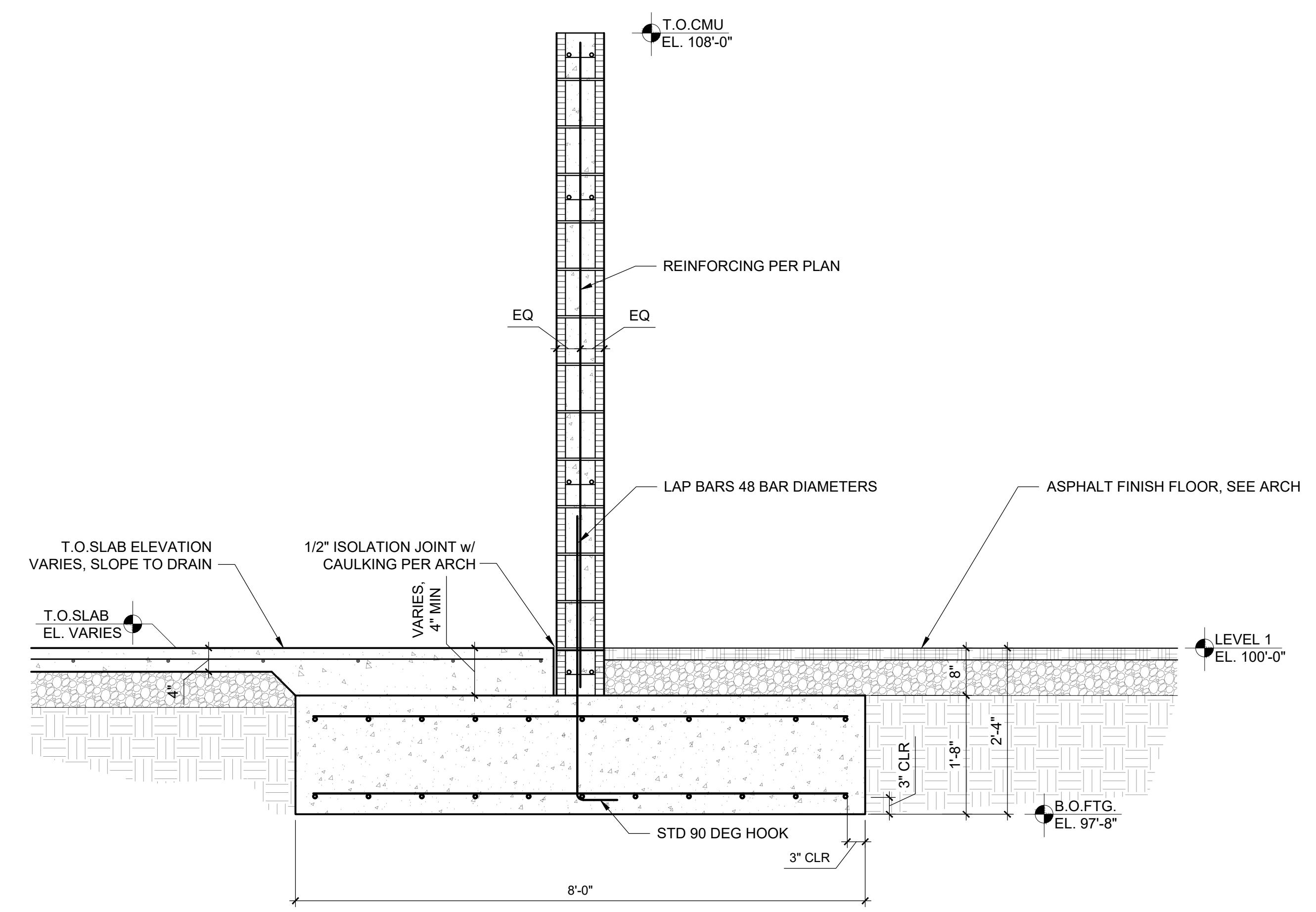
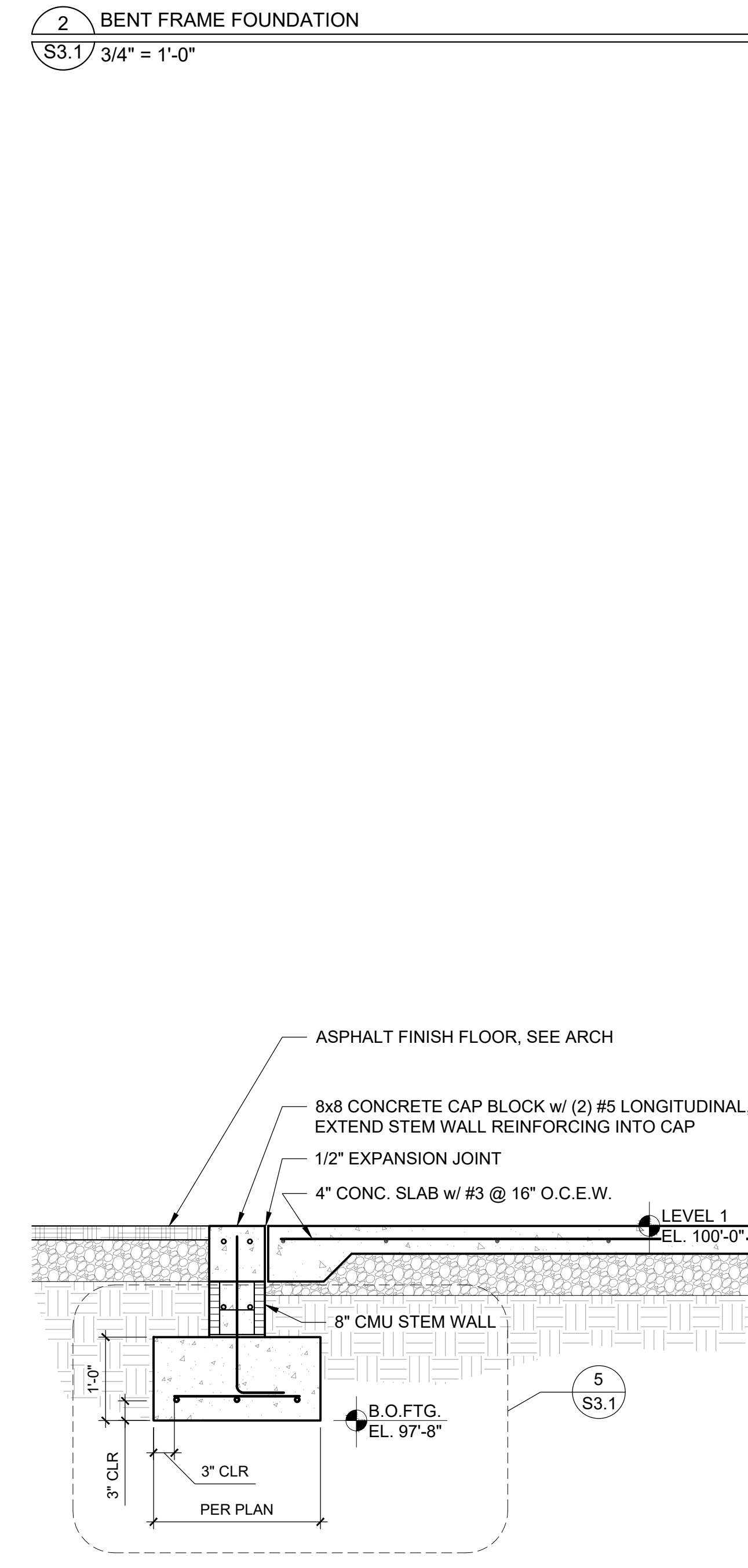
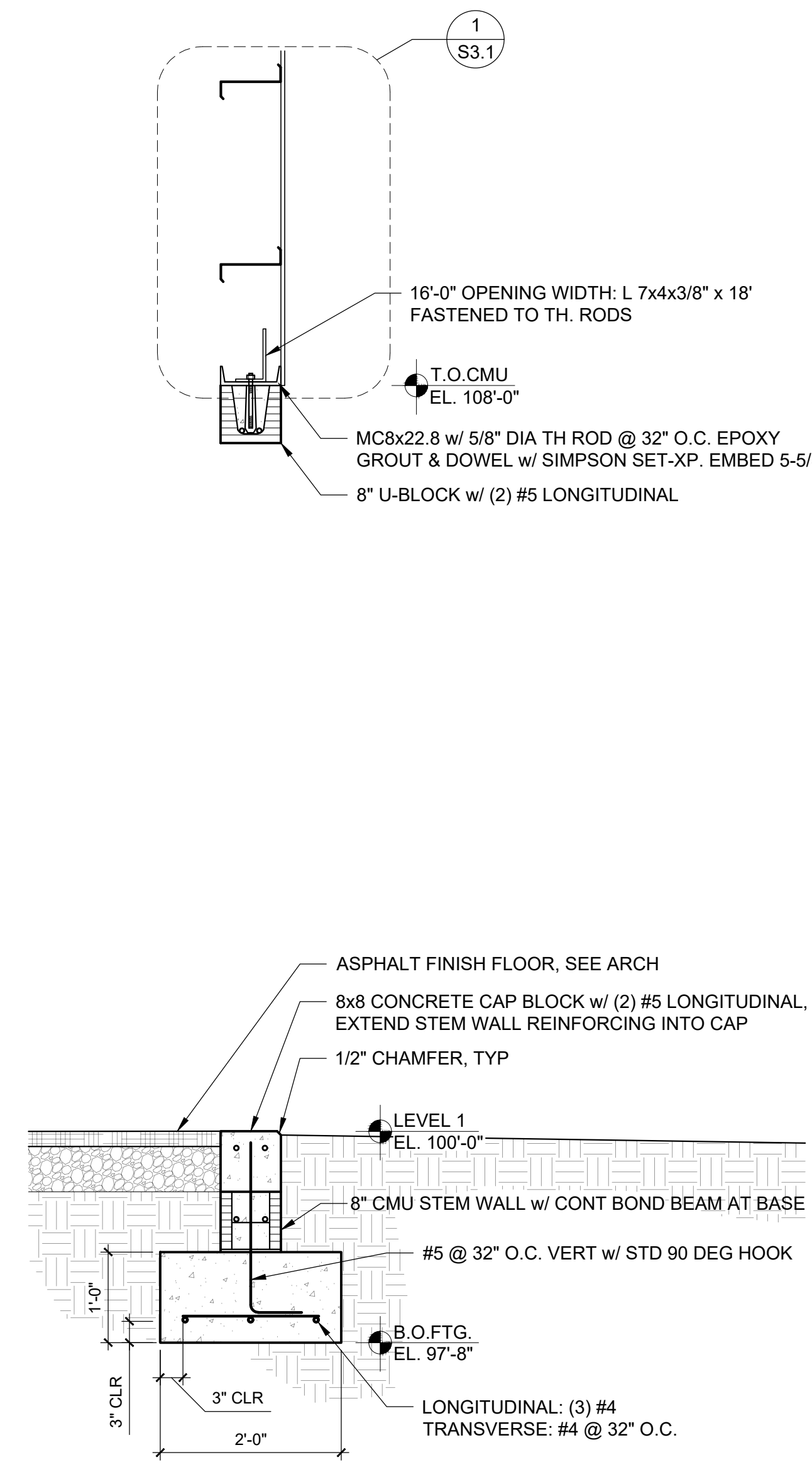
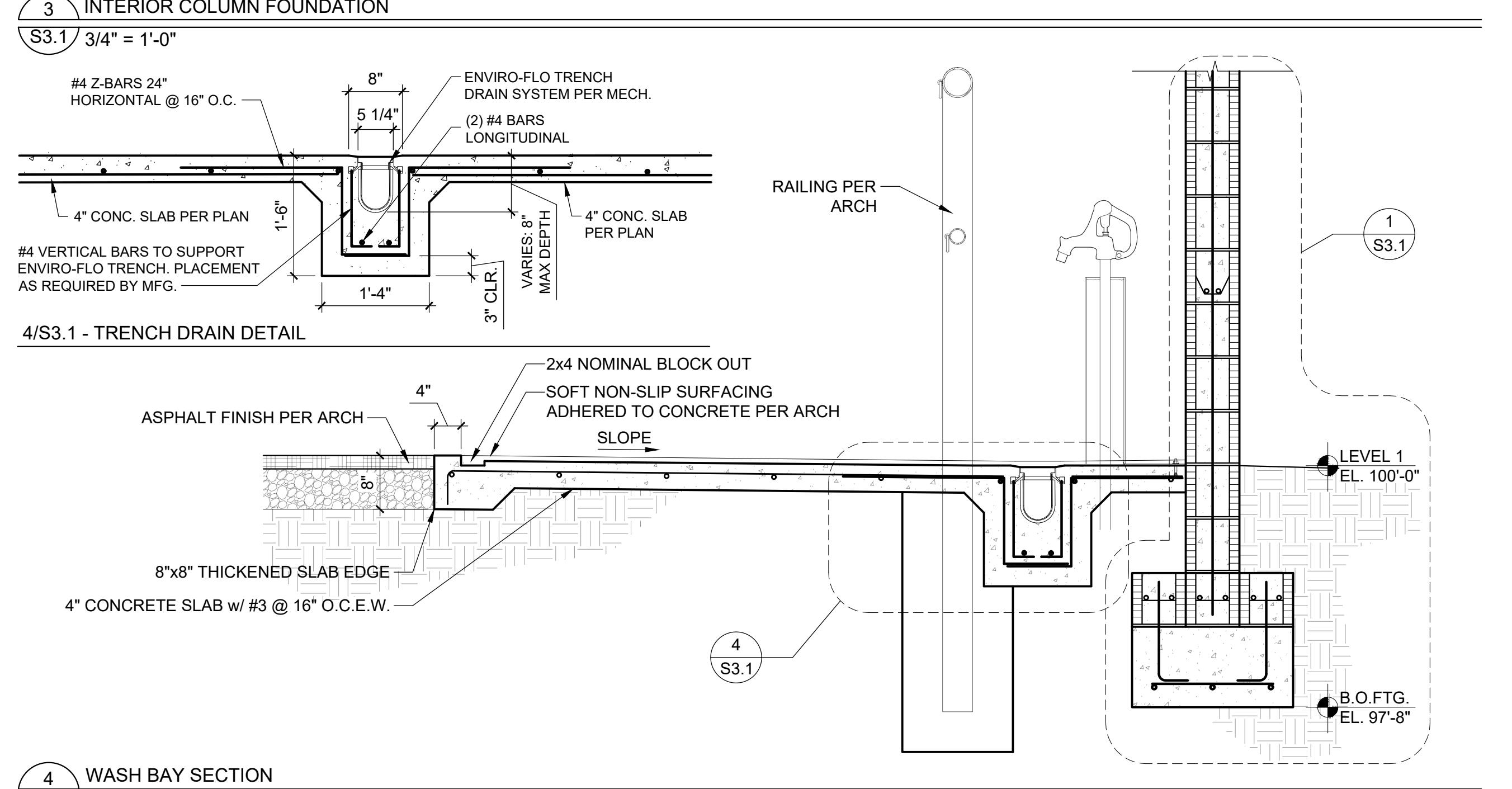
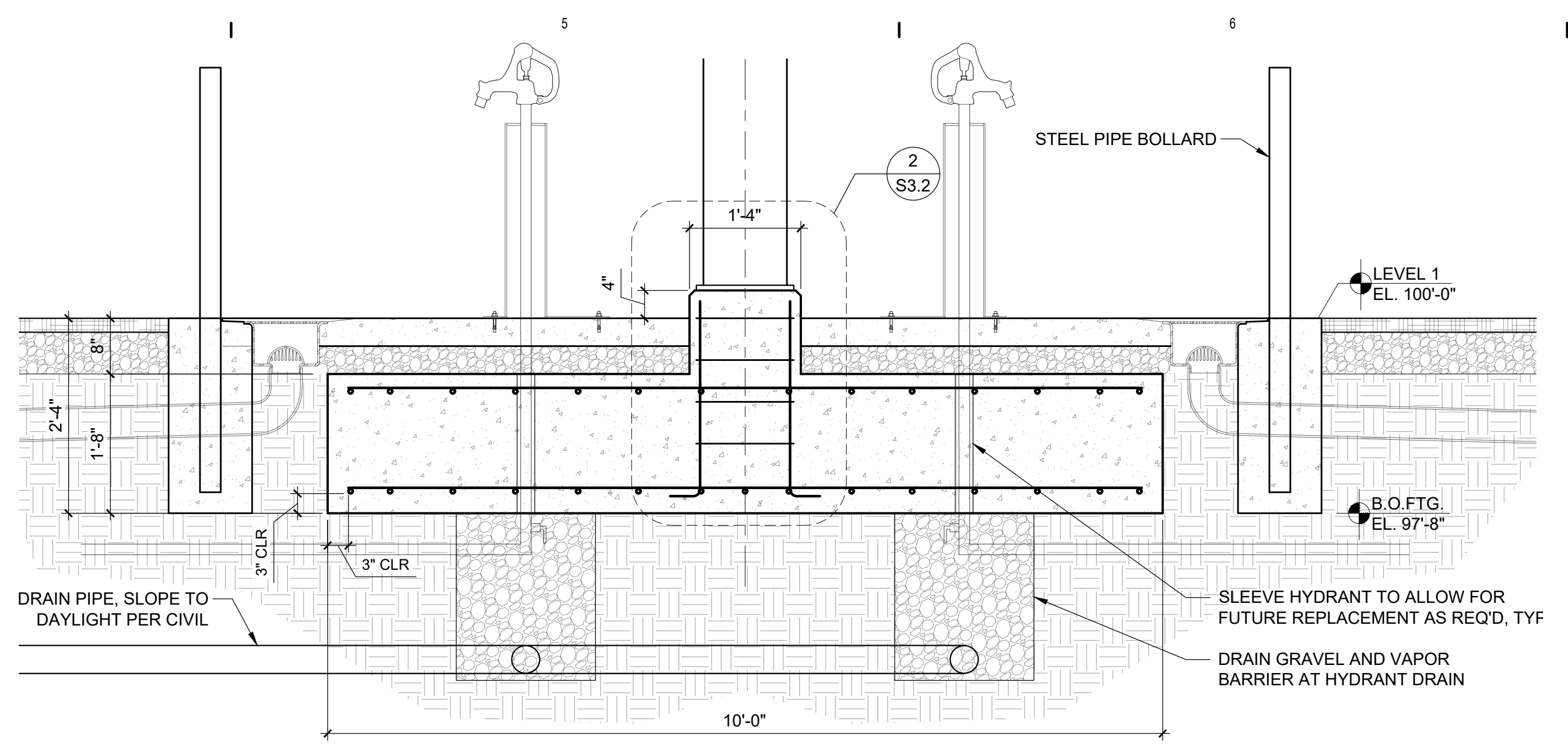
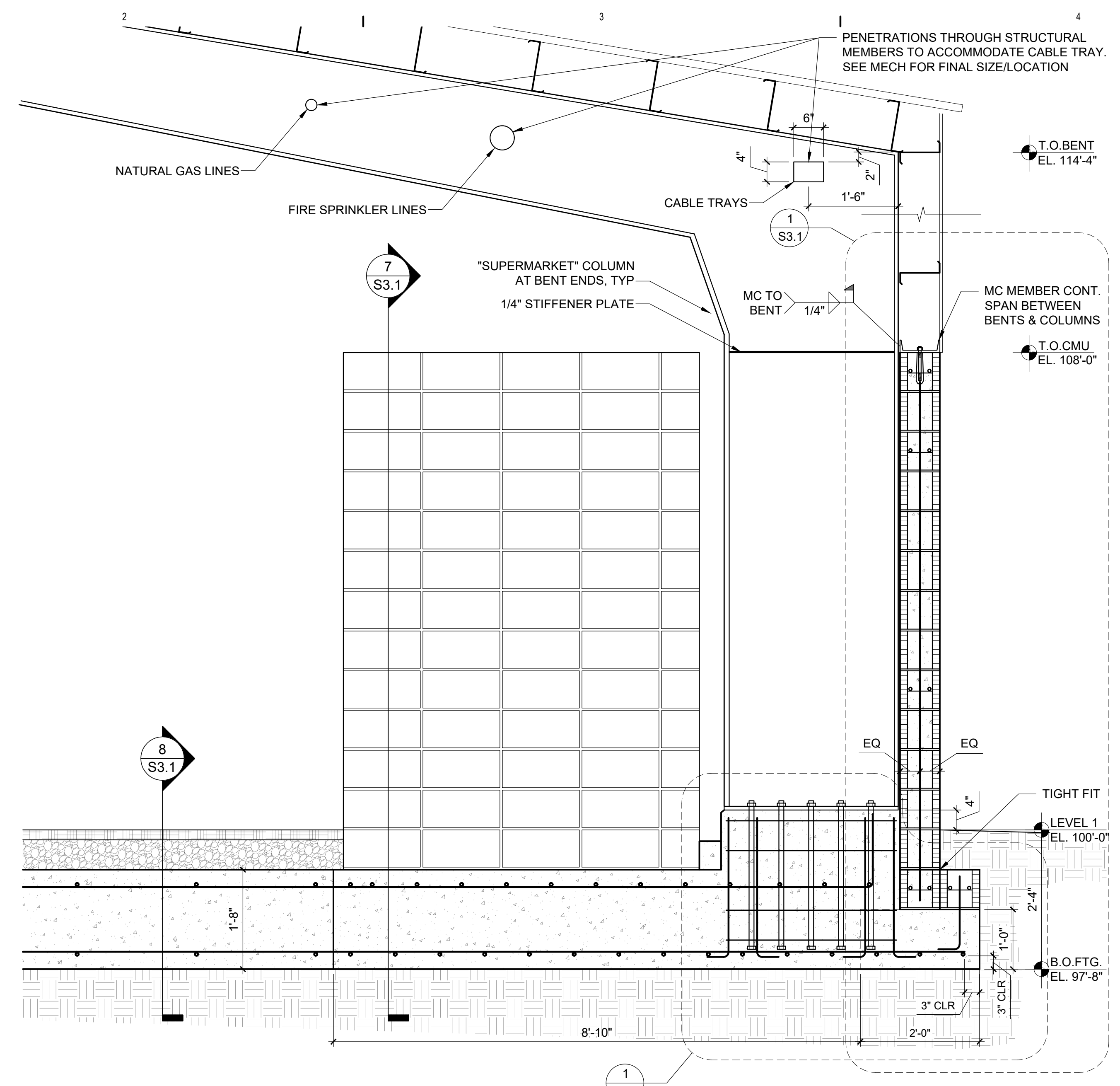
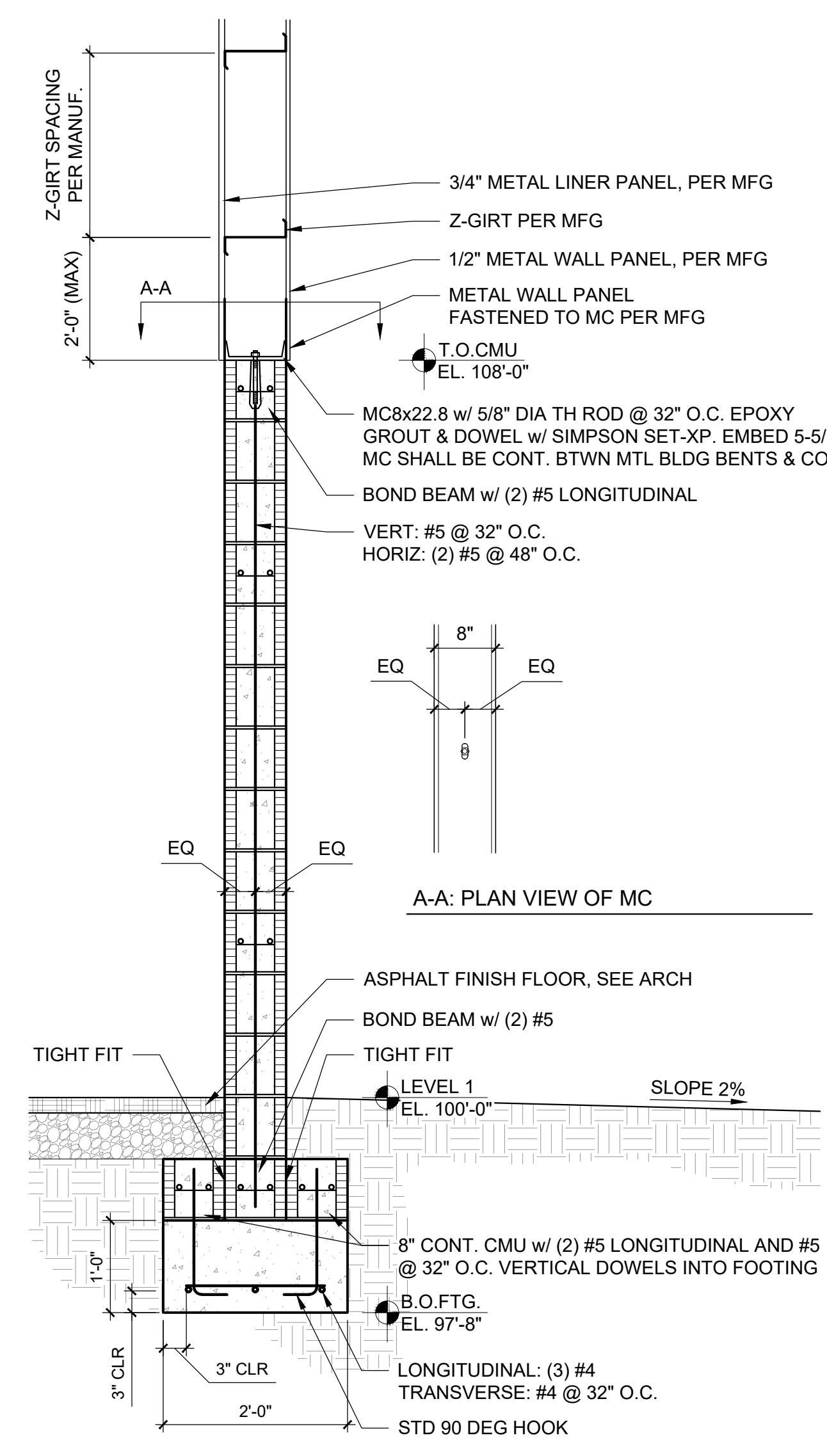
NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH - SCALE

DRAWING NAME
**FRAMING PLAN
ENTRY CANOPY**

S2.1

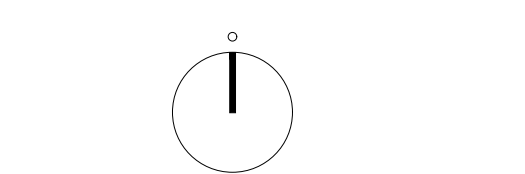


REVISIONS

NOTES

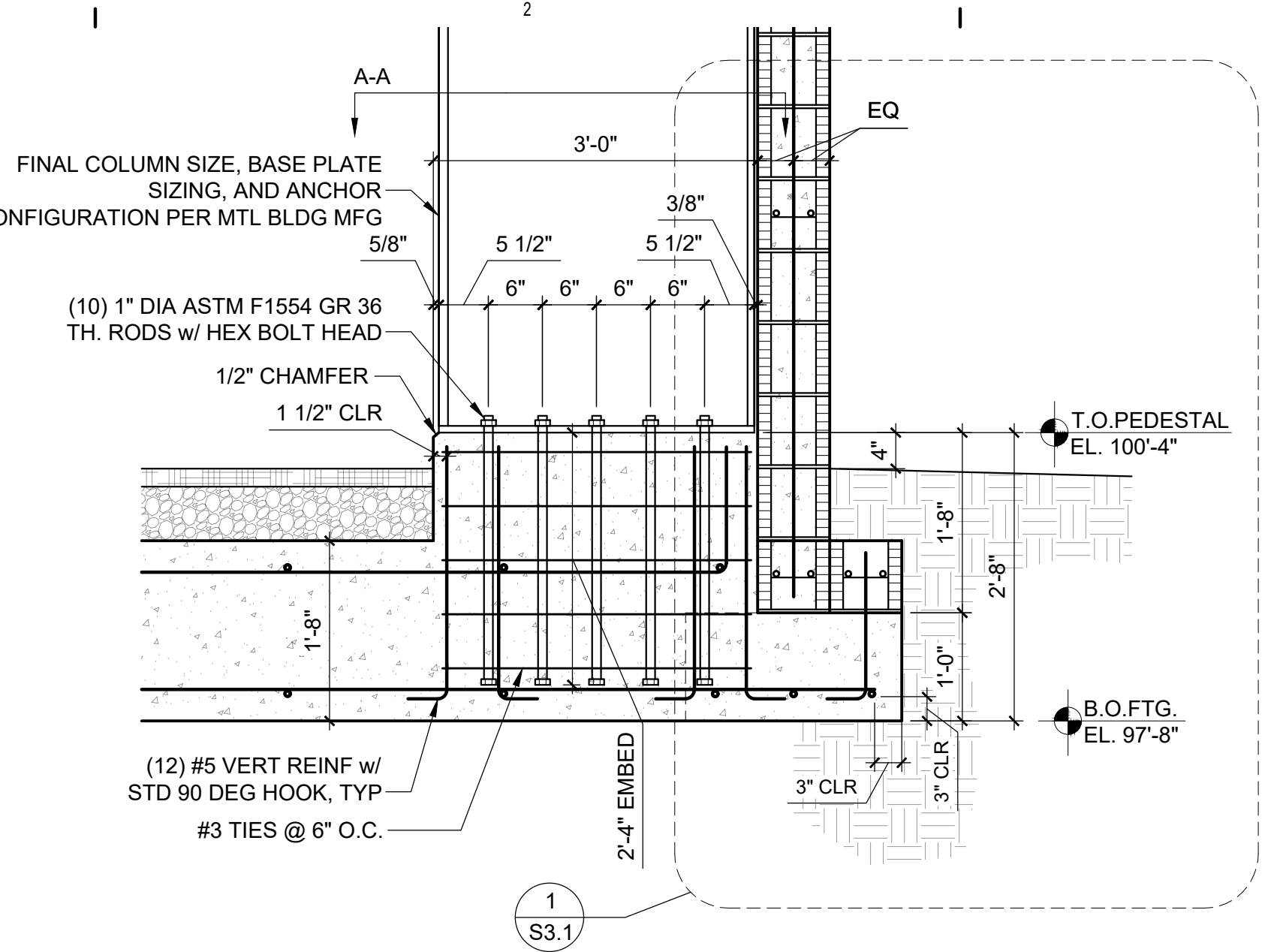
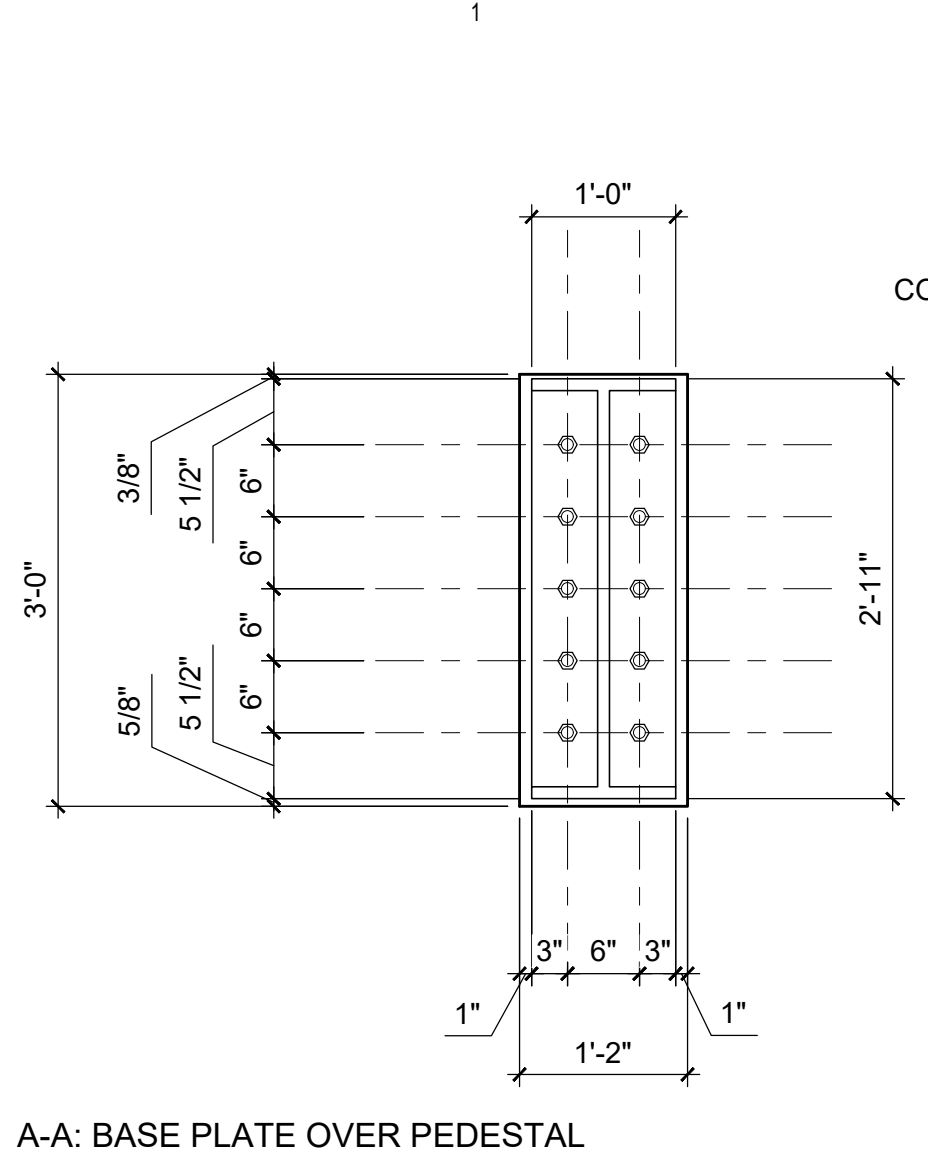
DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH - SCALE

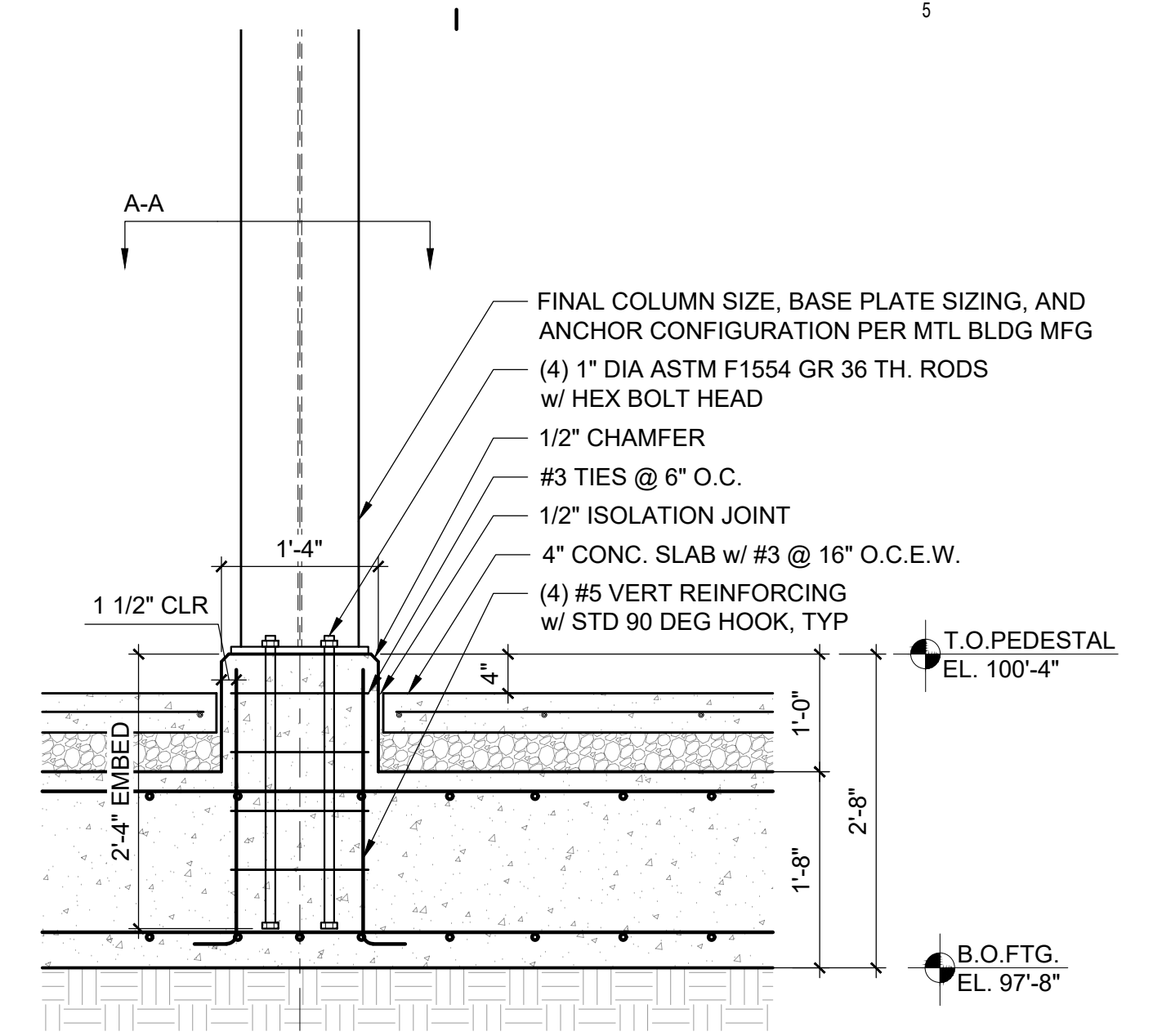
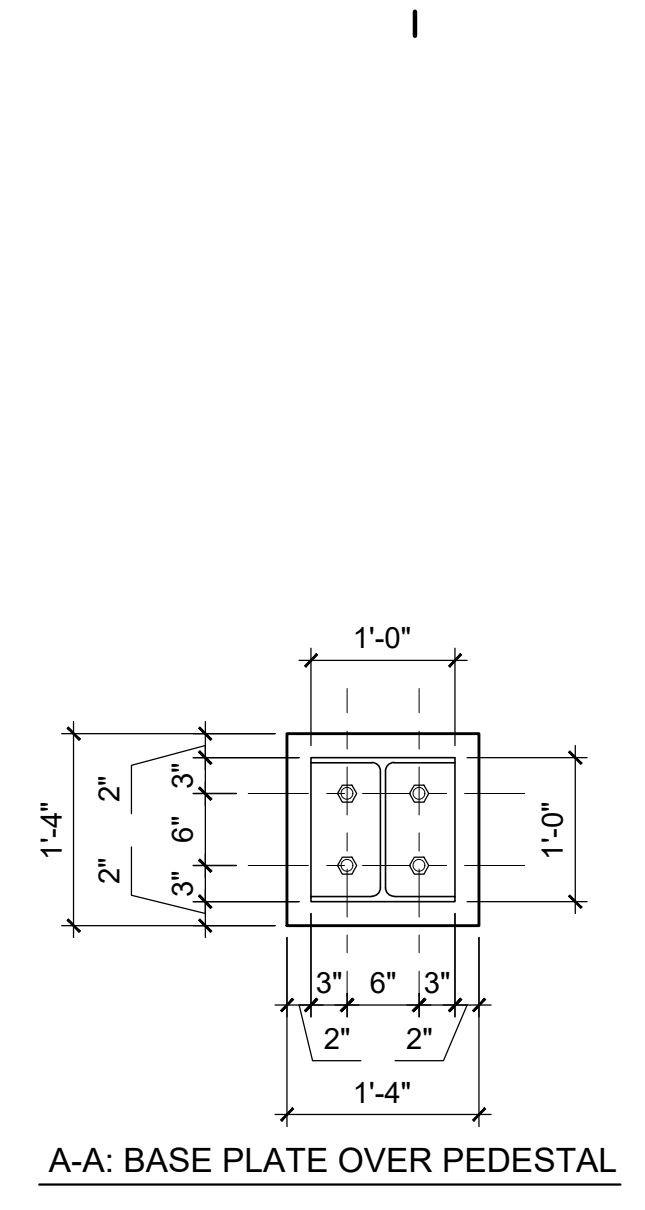


DRAWING NAME: FOUNDATION DETAILS

S3.1

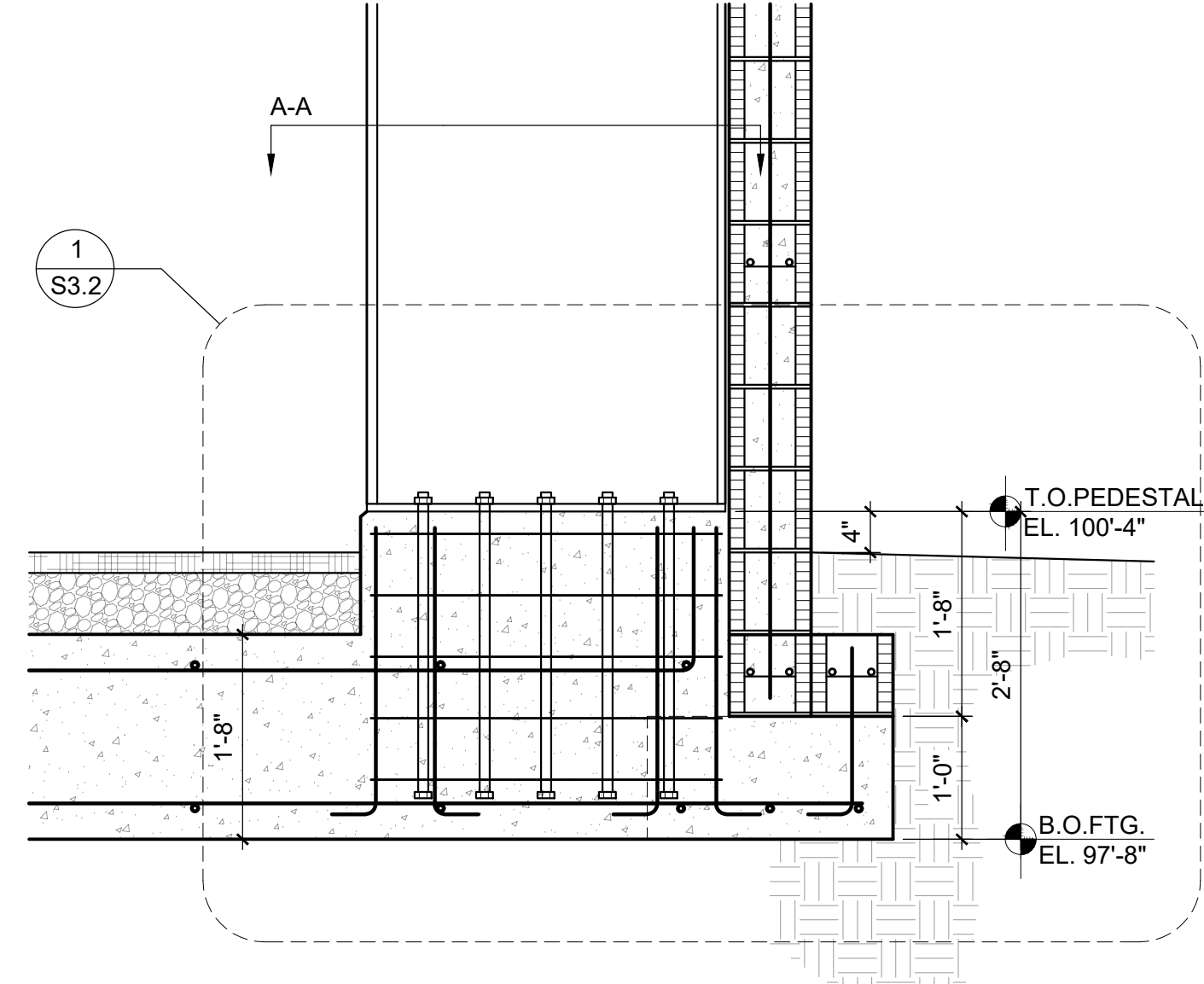
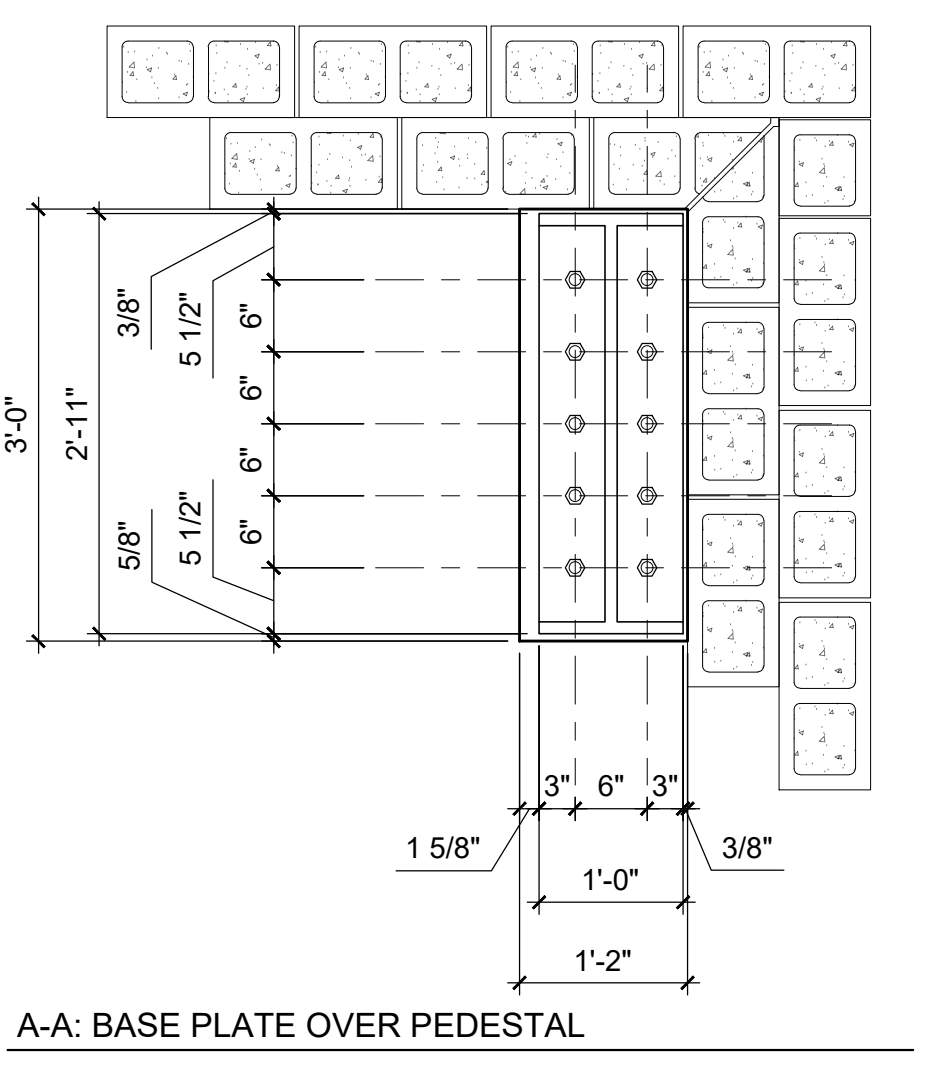


1 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

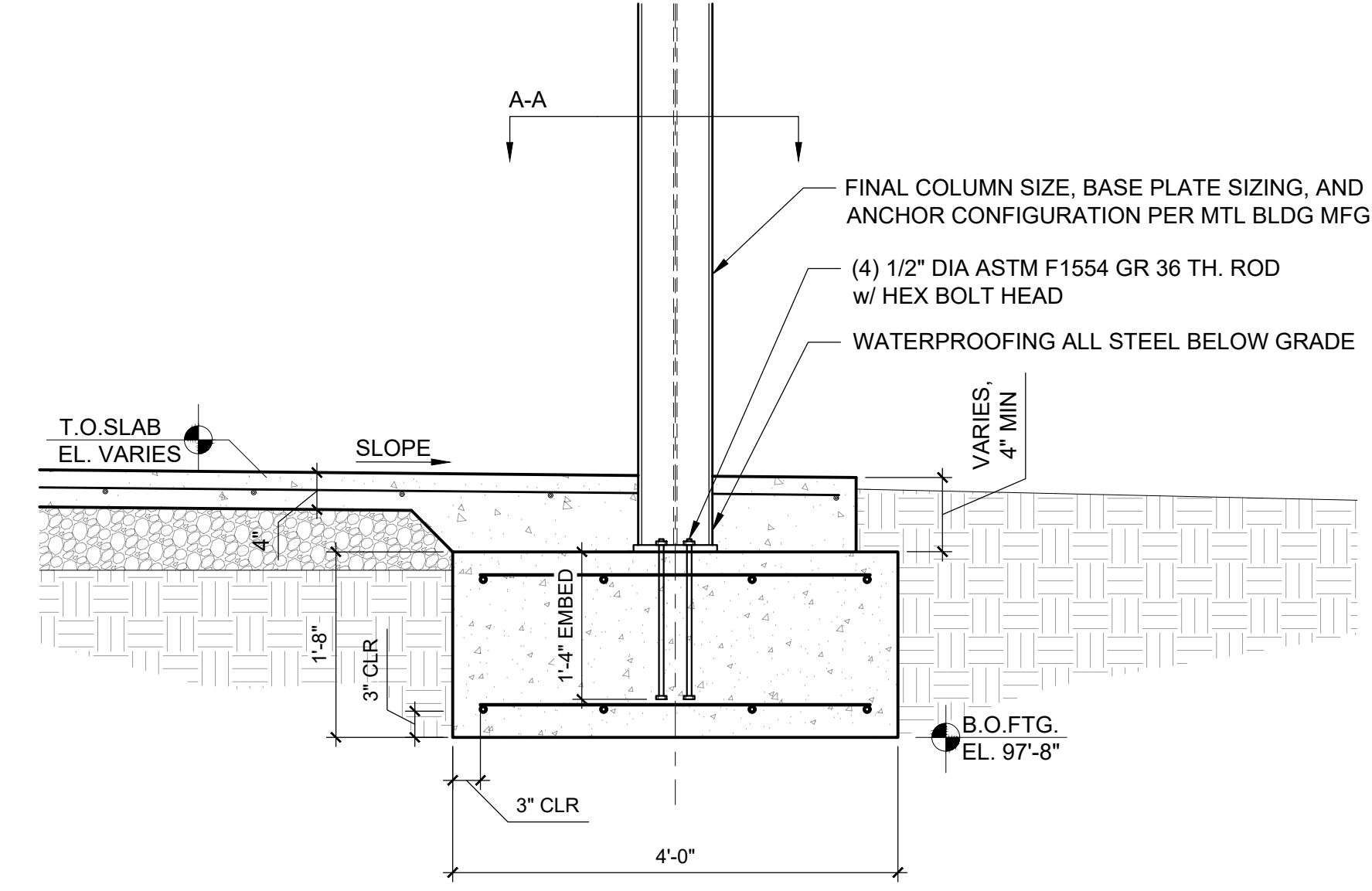
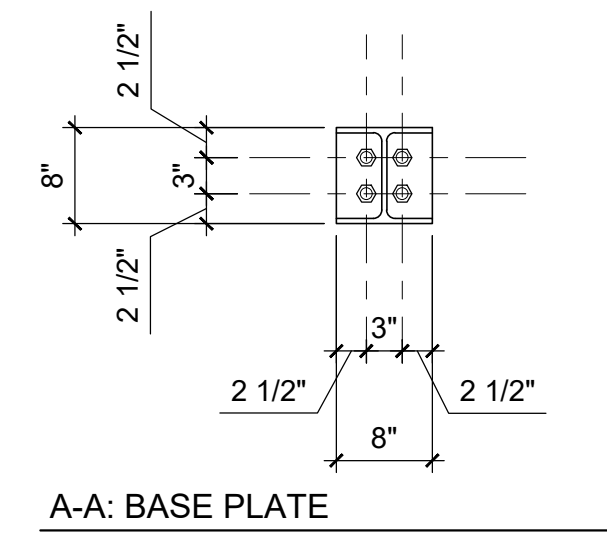


2 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

INTERIOR BENTS

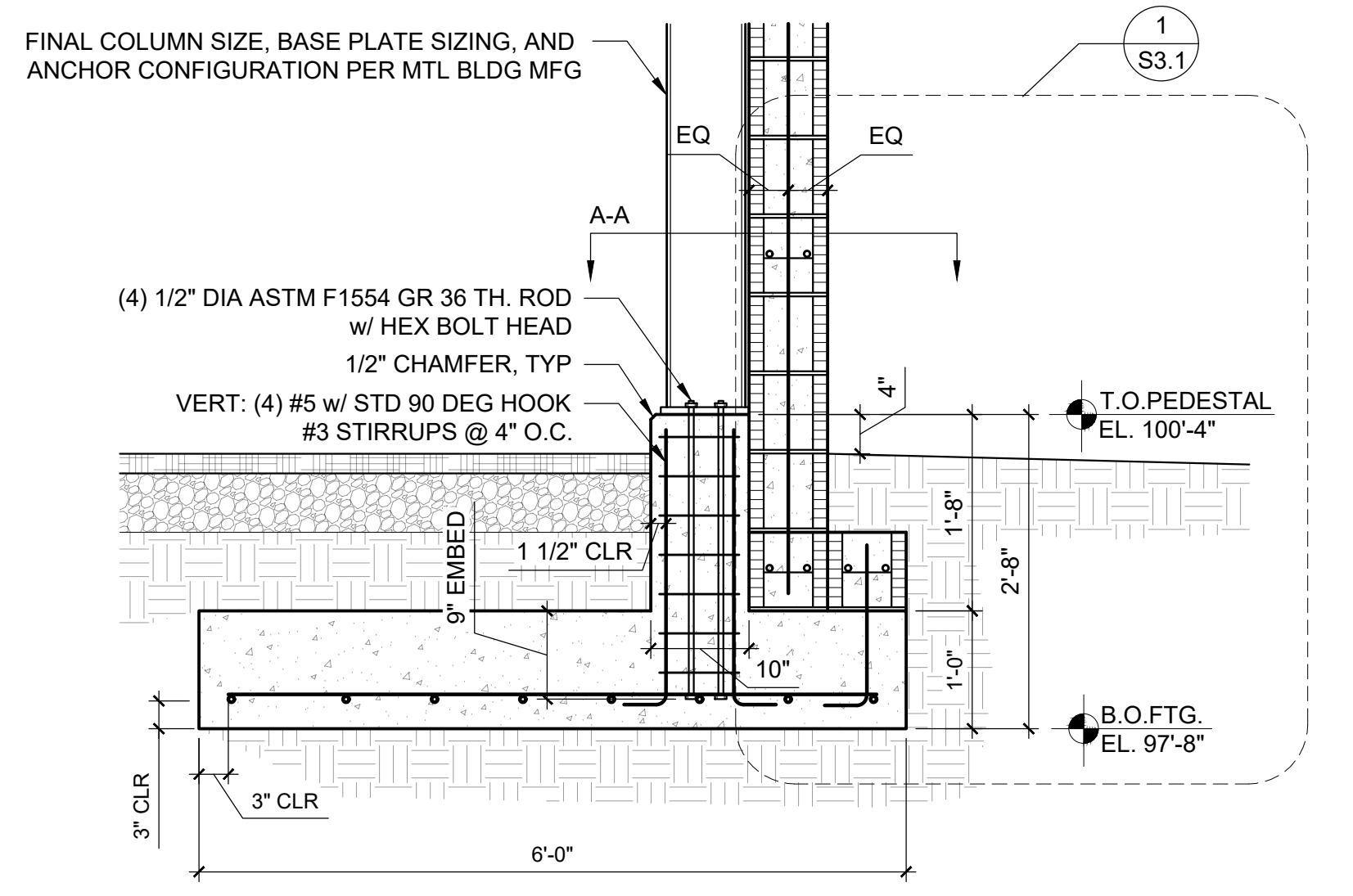
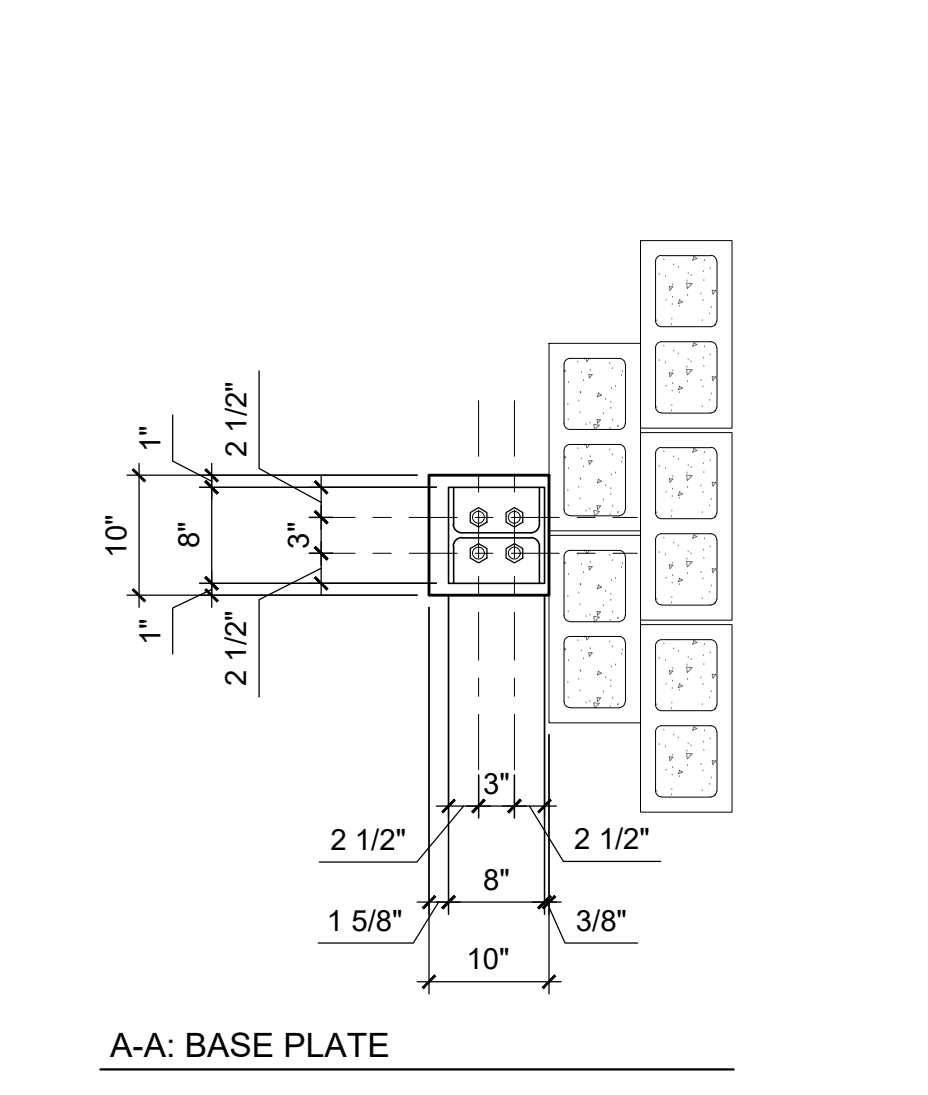


3 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



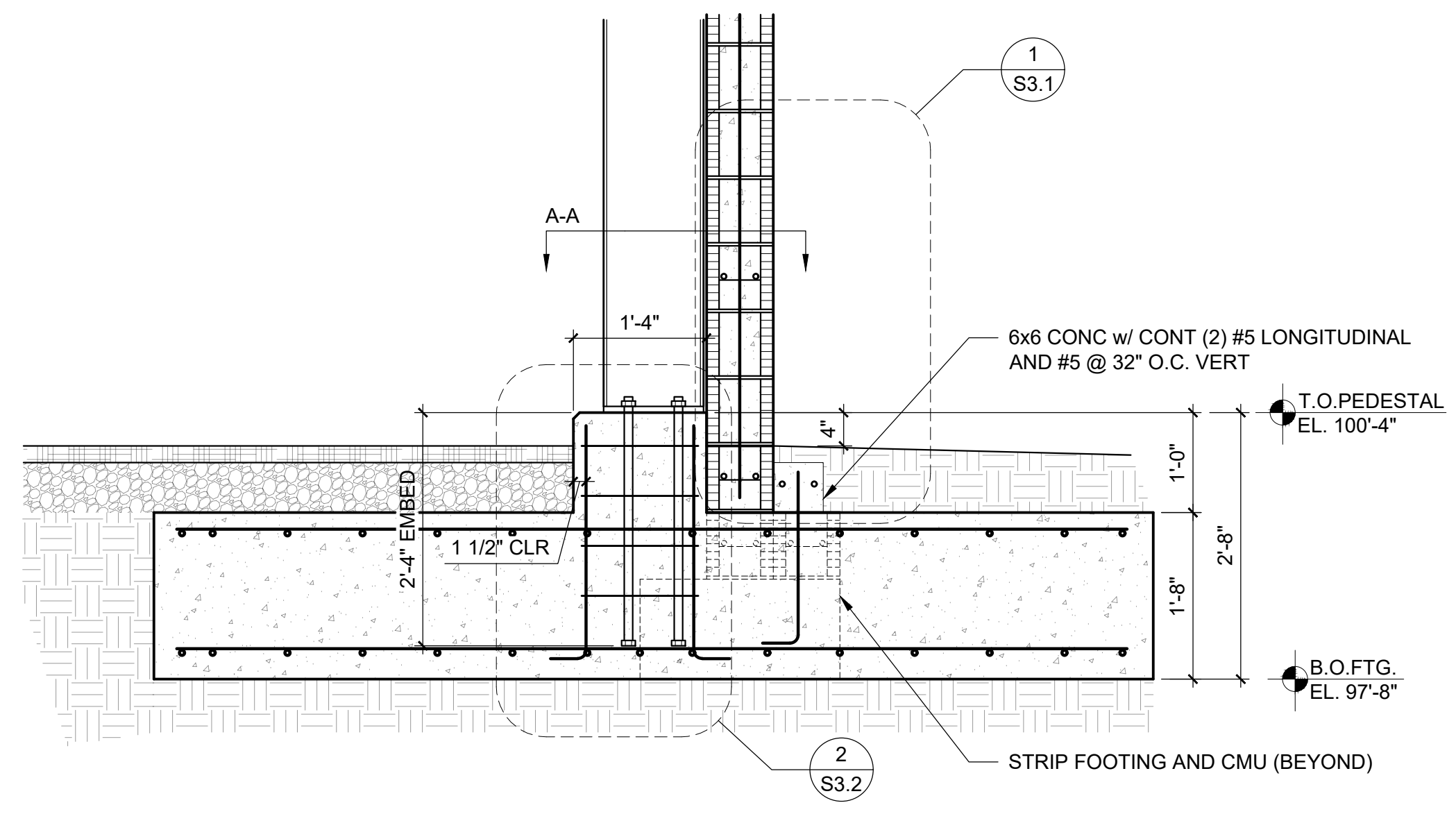
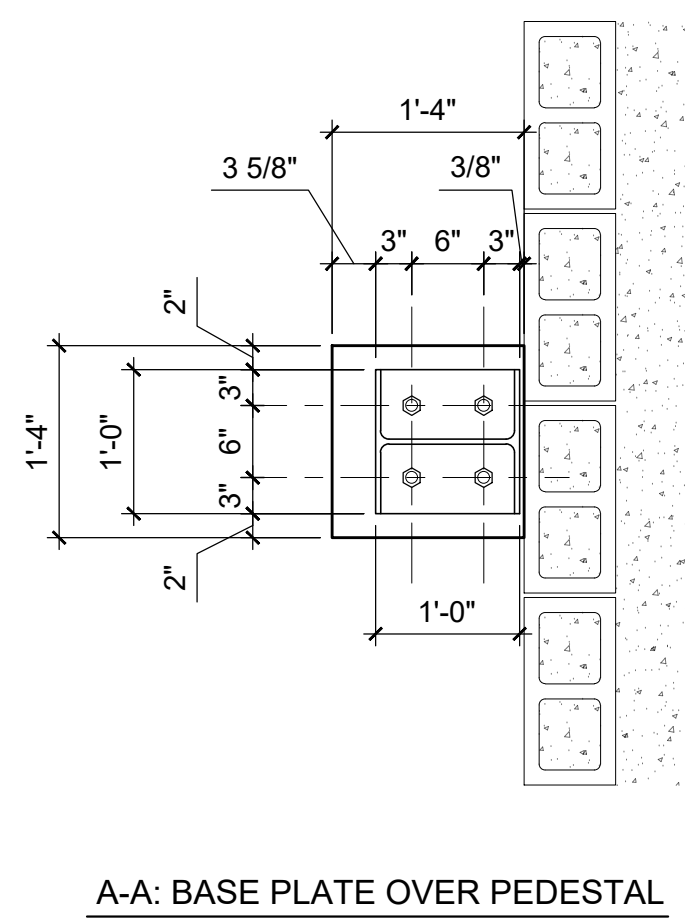
4 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

EXTERIOR PORTALS



5 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

GABLE END BENTS



6 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

GABLE END BENTS

REVISIONS

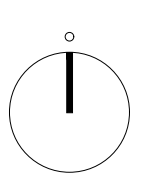
NOTES

DRAWING NAME

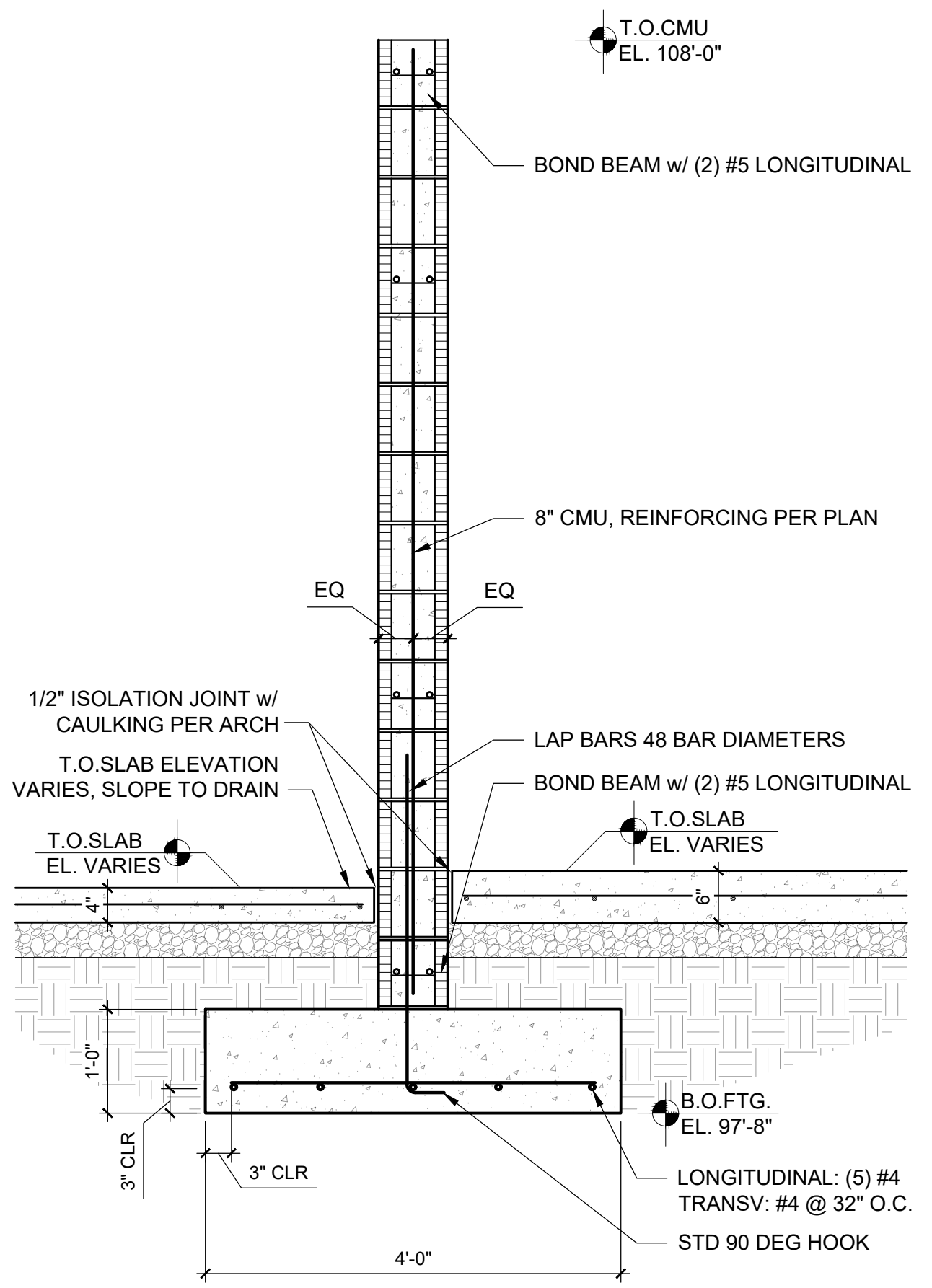
FOUNDATION DETAILS

DRAWN BY	JAR
REVIEWED BY	EDT
DATE	6/9/2023
PROJECT NO	#23-0003

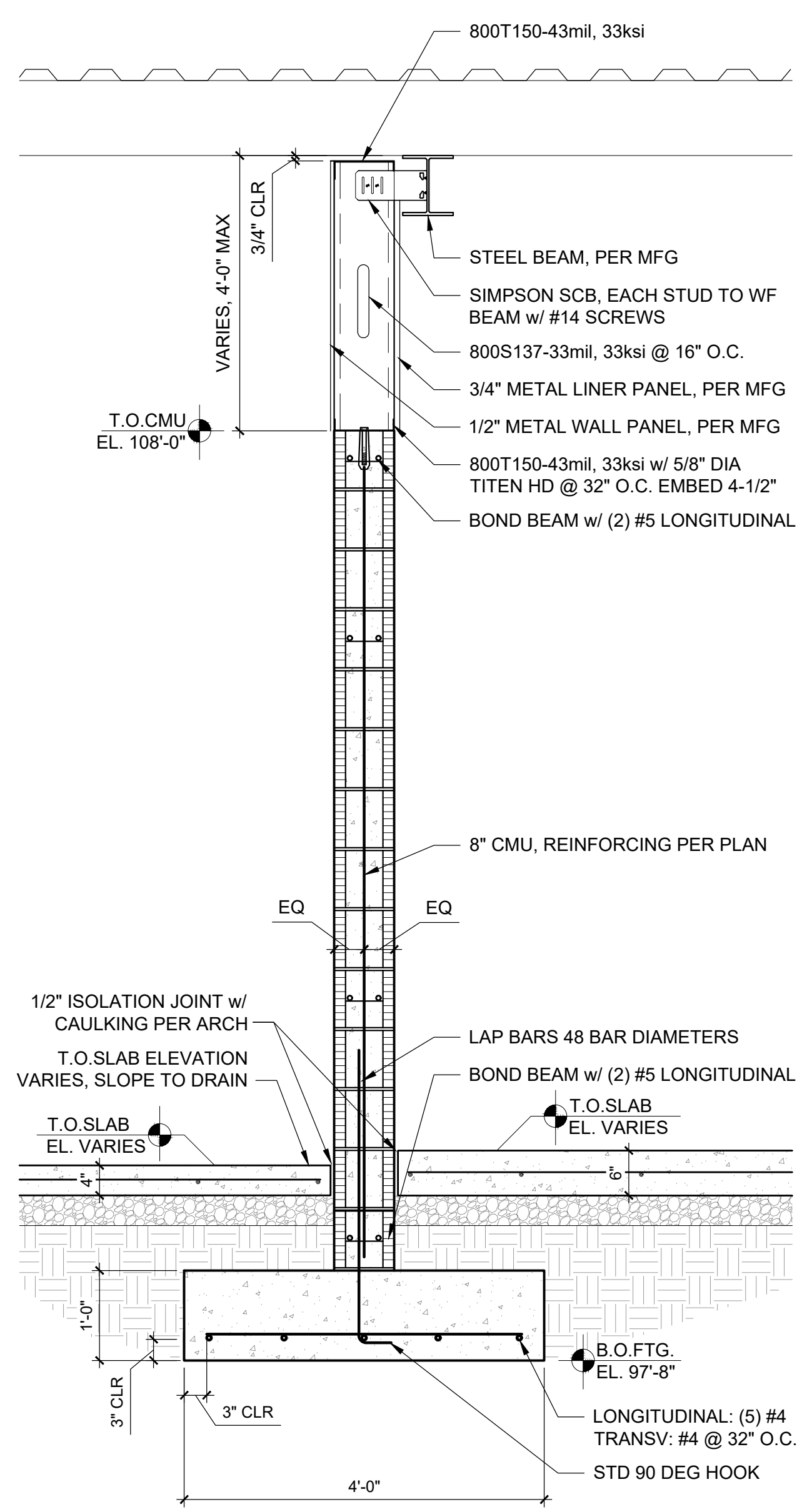
NORTH - SCALE



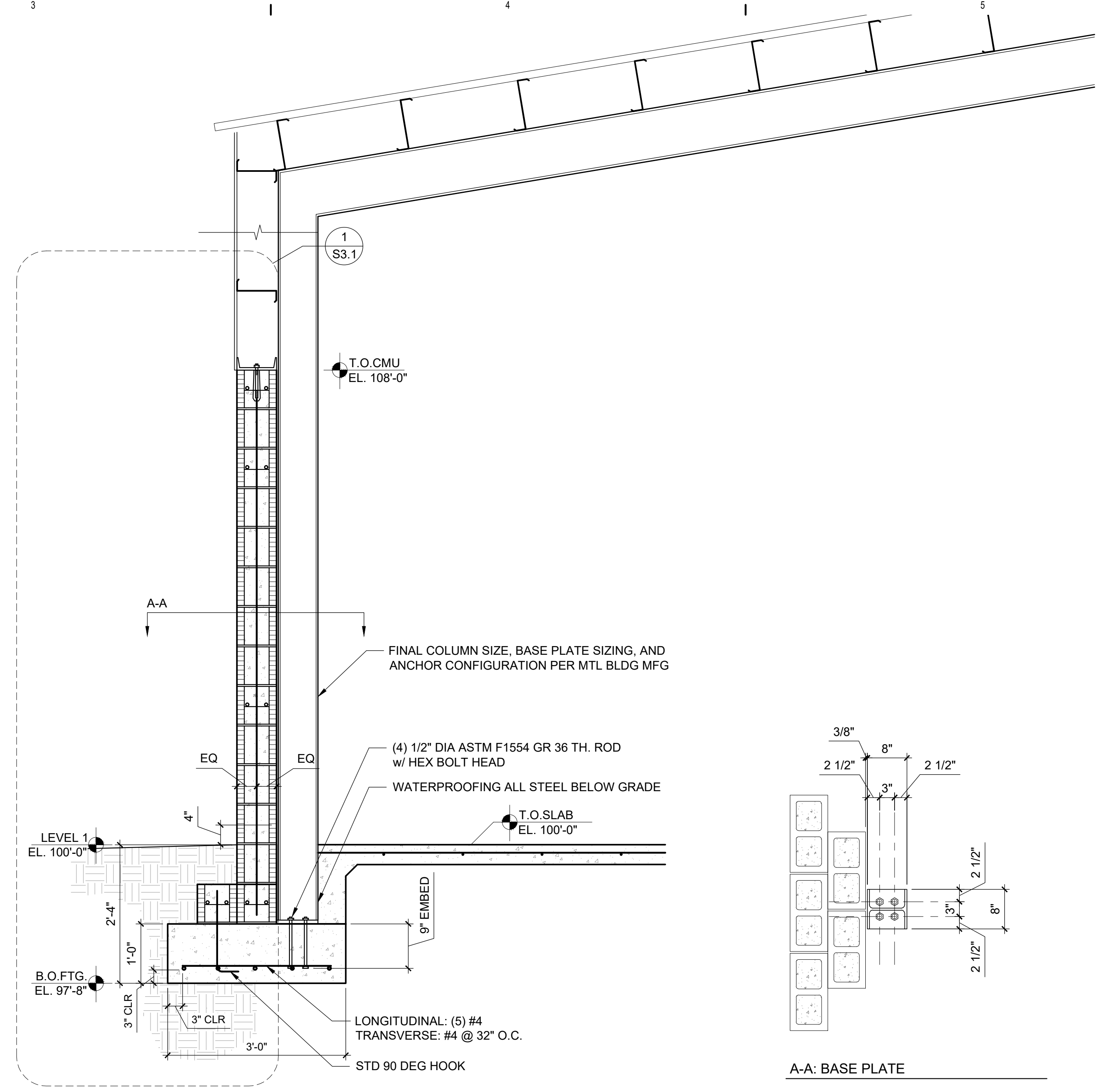
DRAWING NAME
FOUNDATION DETAILS



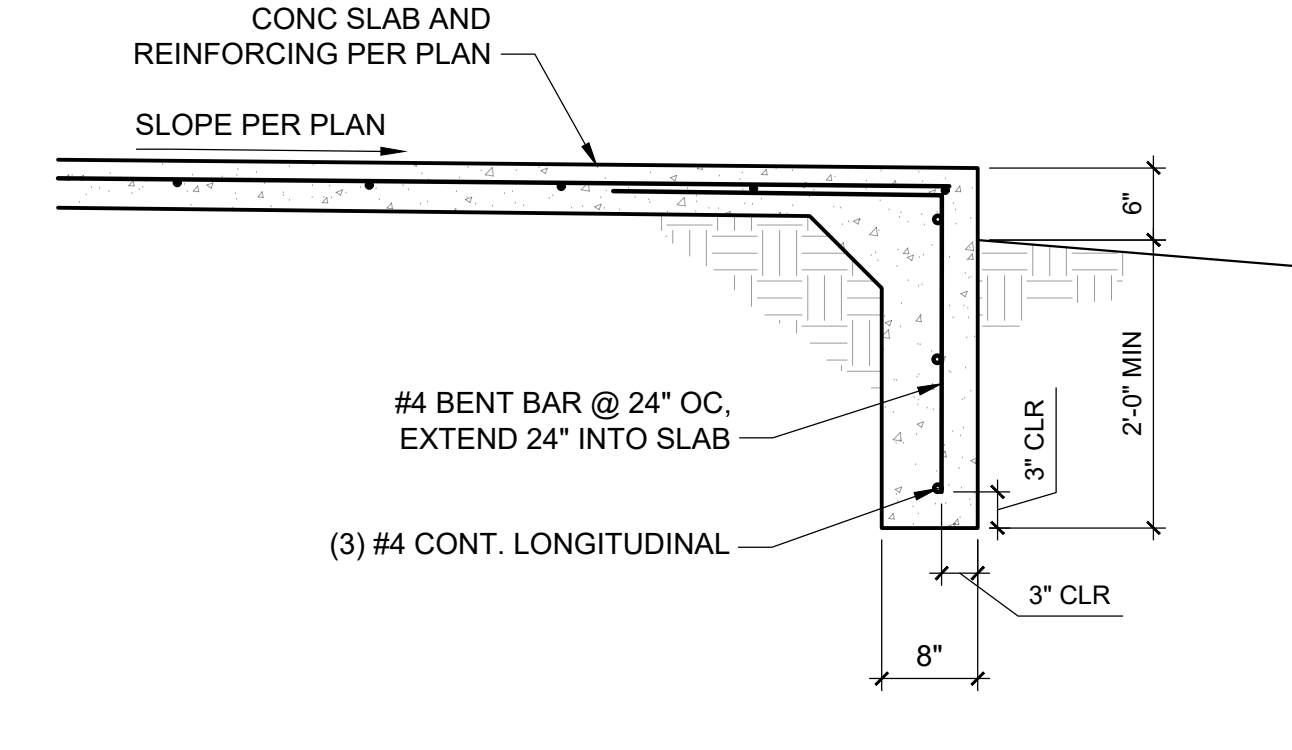
1 EXTERIOR CMU WALL AT WASH BAY
S3.3 3/4" = 1'-0"



2 EXTERIOR CMU WALL
S3.3 3/4" = 1'-0"



3 EXTERIOR CMU WALL
S3.3 3/4" = 1'-0"



4 TURN DOWN CONCRETE SLAB EDGE
S3.3 3/4" = 1'-0"

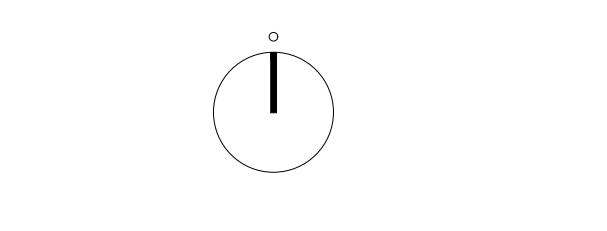


REVISIONS

NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH - SCALE



DRAWING NAME
FOUNDATION DETAILS

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. CONTRACTOR TO PROVIDE PATCHING AND REPAIRING TO MATCH EXISTING.

REFERENCE KEYNOTES

- 03 3000.12 CONCRETE WASH BAY, SEE PLANS
- 04 2200.01 CONCRETE MASONRY (CMU), (W/WH) 8"x8"x16" NOMINAL, STACK BOND
- 05 5000.27 6" SCHED 80 PIPE, PAINT
- 05 5000.33 CUSTOM STEEL GATE, SEE DETAILS
- 32 1200.01 ASPHALT PAVING, SEE CIVIL
- 32 1216.01 COMPACTED BASE COURSE, SEE CIVIL
- 32 1313.01 CONCRETE PAVING, REFER TO CIVIL
- 32 3113.04 6'-0" TALL CHAIN LINK FENCE WITH CONTINUOUS TOP RAIL AND VERTICAL POSTS AT 6'-0" O.C. PROVIDE STEEL 3 STRAND BARD WIRE ARMS AND BARB WIRE

LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- CRUSHER FINES
- GRAVEL
- AREA OF NEW DETENTION BASIN
- EXISTING BUILDING TO REMAIN
- ALL AREAS DISTURBED BY GC TO BE RESEED WITH NATIVE NM WILDOSEED BLEND

REVISIONS

NO.	DATE	DESCRIPTION

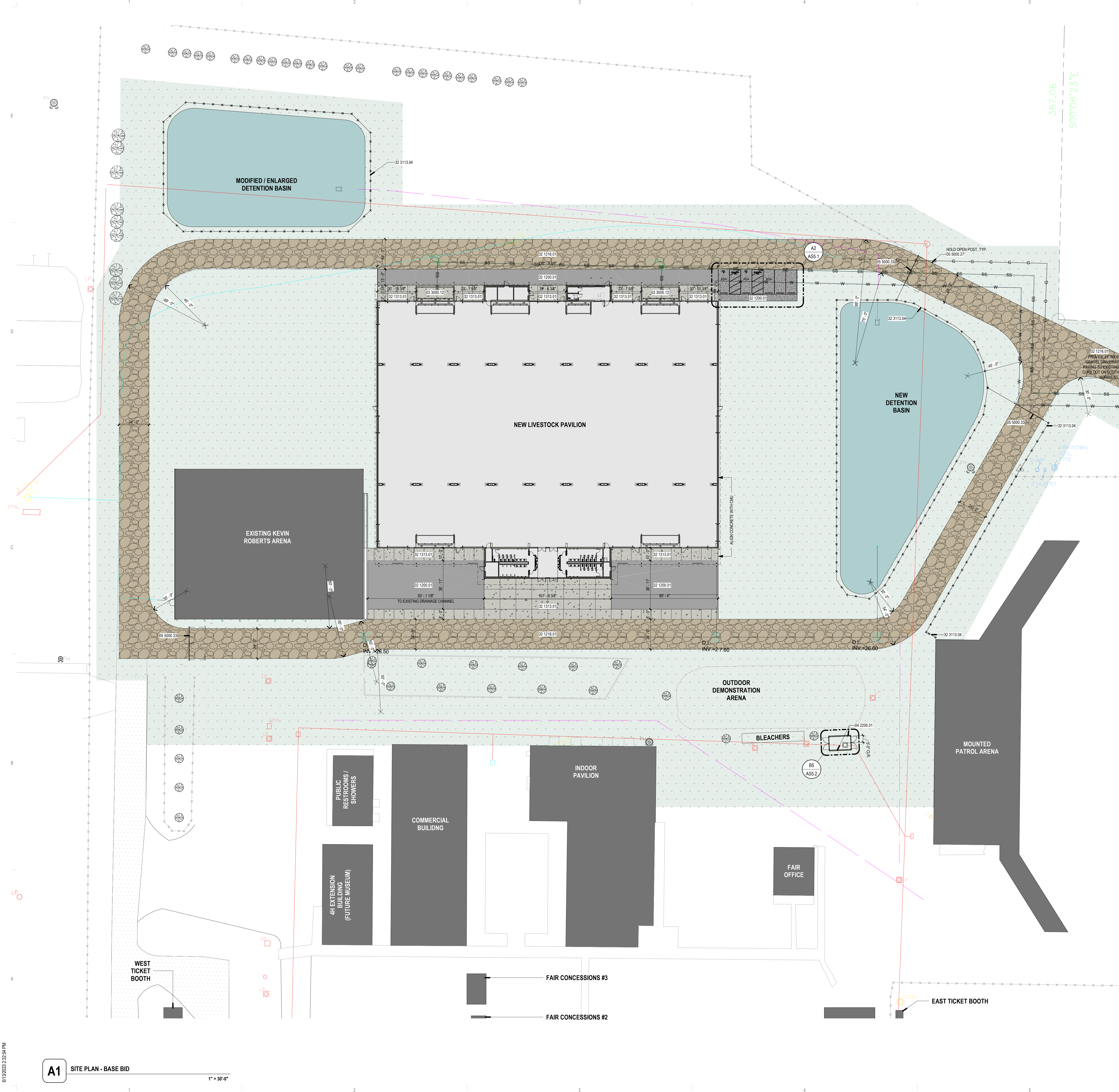
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
SITE PLAN - BASE BID

AS1.0



A1 SITE PLAN - BASE BID
1" = 30'-0"

6/13/2023 2:32:54 PM

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100' - 0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. CONTRACTOR TO PROVIDE PATCHING AND REPAIRING TO MATCH EXISTING.

REFERENCE KEYNOTES

- 03 3000.11 CONCRETE PLANTER BENCH
- 03 3000.15 CONCRETE BENCH, SEE DETAILS
- 03 3000.16 CONCRETE HEADER CURB
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 05 5000.37 CUSTOM FAB STEEL LETTERS, SEE DETAILS
- 05 5000.44 EXISTING FA "R" STEEL LETTERS, RELOCATED, SEE DETAILS
- 26 0000.03 LIGHT POLE AND BASE, SEE ELECTRICAL
- 26 0000.04 RV ELECTRICAL SERVICE SUB-PANEL CONNECTION, SEE ELECTRICAL
- 28 0000.06 LIGHT POLE AND BASE WITH ELECTRICAL AND WATER CONNECTIONS, SEE ELECTRICAL AND PLUMBING
- 32 1216.02 STABILIZED CRUSHER FINES, SEE CIVIL
- 32 1313.01 CONCRETE PAVING, REFER TO CIVIL
- 32 1313.04 EXPANSION JOINT
- 32 1313.05 CONTRACTION JOINT
- 32 1313.06 MATCH EXISTING WITH AN ACCESSIBLE TRANSITION

LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- CRUSHER FINES
- GRAVEL
- AREA OF NEW DETENTION BASIN
- EXISTING BUILDING TO REMAIN
- ALL AREAS DISTURBED BY GC TO BE RE-SEEDDED WITH NATIVE MI WILDOSEED BLEND



REVISIONS

NO.	DATE	DESCRIPTION

NOTES

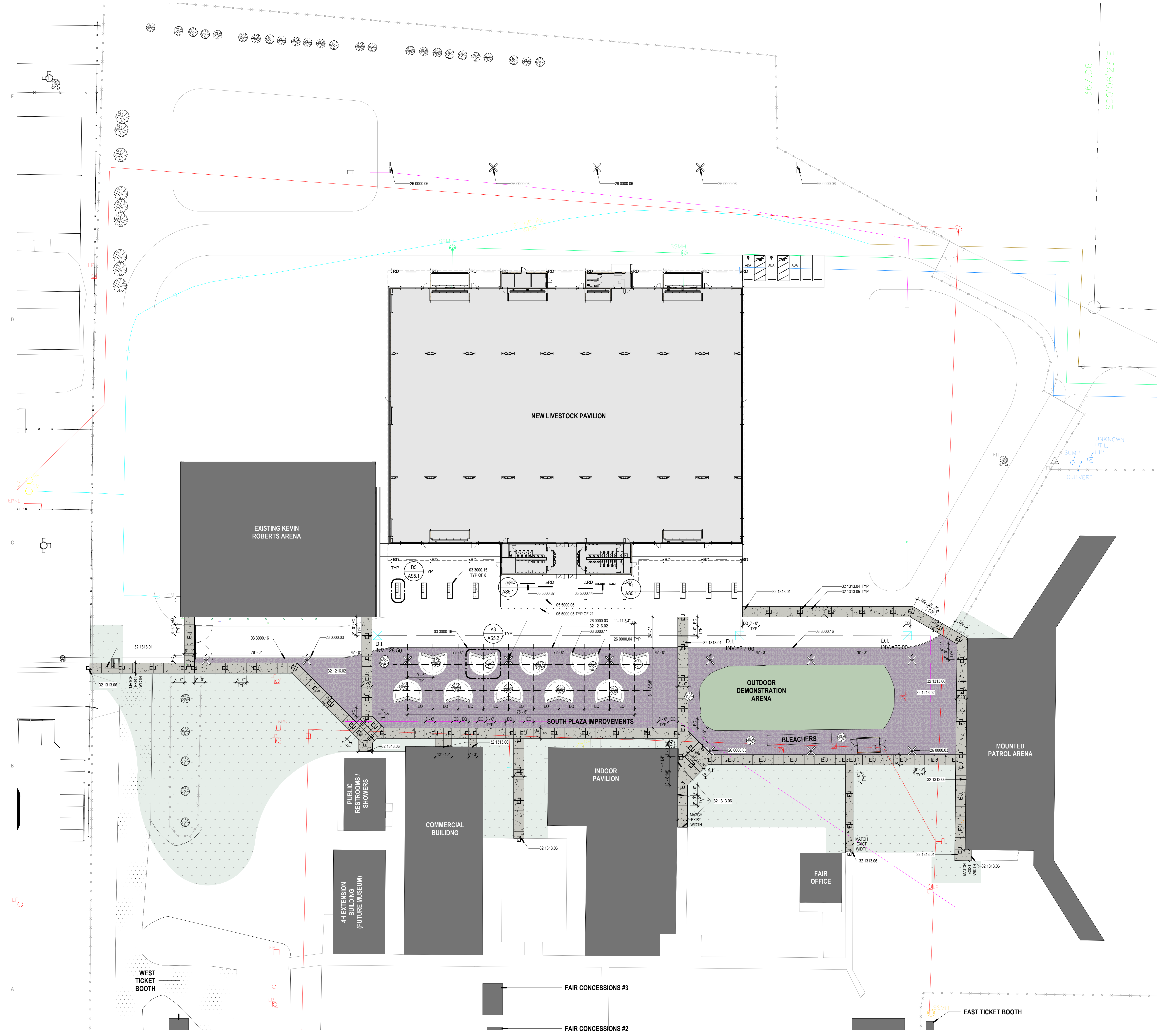
DRAWN BY	SS
REVIEWED BY	ST
DATE	6/9/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME

SITE PLAN INCLUDING BID LOT 2

AS1.1

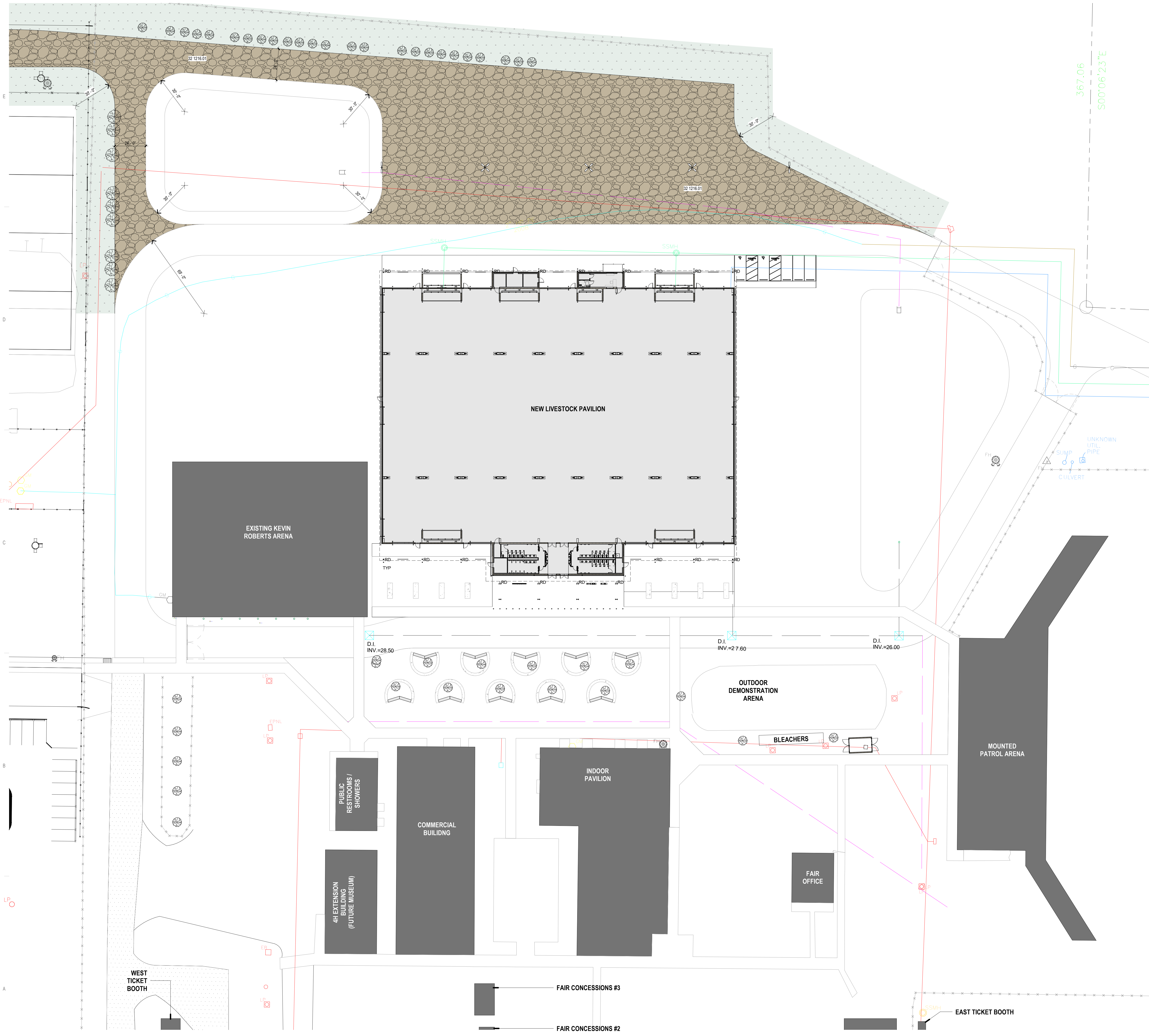


GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100' - 0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. CONTRACTOR TO PROVIDE PATCHING AND REPAIRING TO MATCH EXISTING.

REFERENCE KEYNOTES

- 32 1216 01 COMPACTED BASE COURSE, SEE CIVIL



LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- CRUSHER FINES
- GRAVEL
- AREA OF NEW DETENTION BASIN
- EXISTING BUILDING TO REMAIN
- ALL AREAS DISTURBED BY GC TO BE RE-SEEDDED WITH NATIVE MIX WILDOSEED BLEND

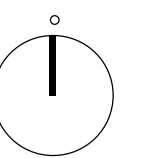
REVISIONS

NO.	DATE	DESCRIPTION

NOTES

DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

NORTH + SCALE



DRAWING NAME
SITE PLAN INCLUDING BID LOT 3

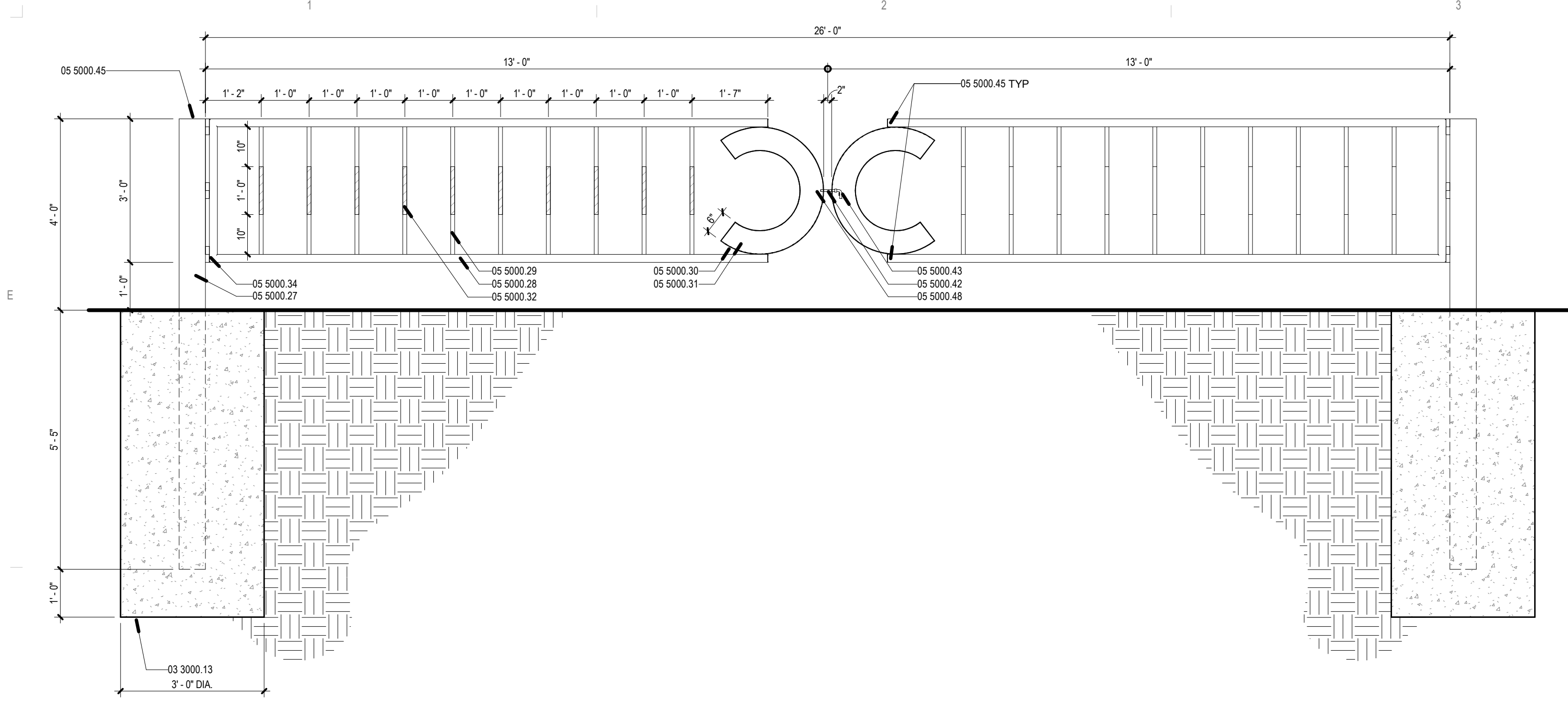
AS1.2

GENERAL SHEET NOTES

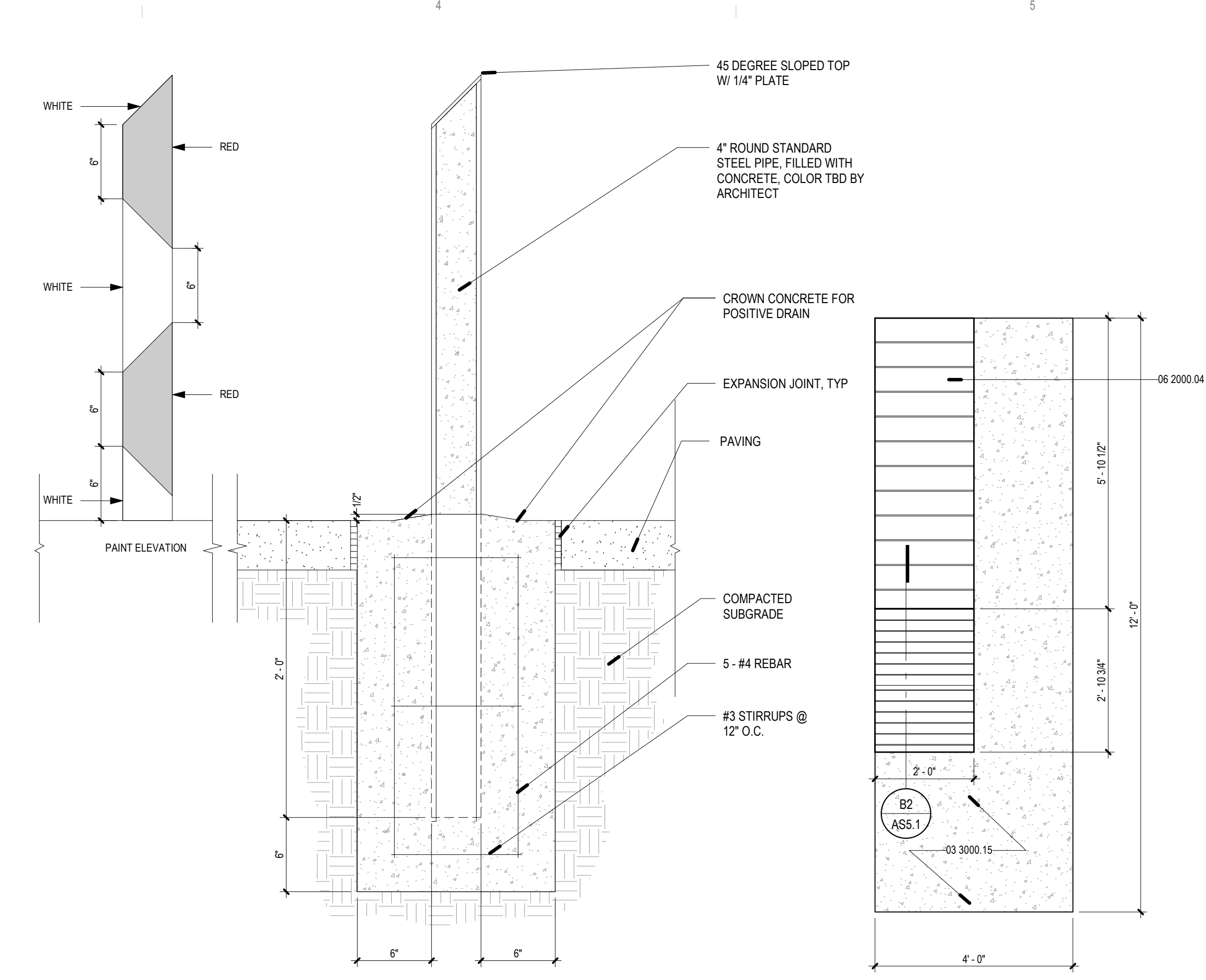
- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. SEE 61.2 FOR TYPICAL MOUNTING HEIGHTS
- D. SEE SLAB EDGE PLAN FOR CONCRETE CONTROL JOINT LOCATIONS
- E. SEE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO
- F. SEE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- G. SEE FINISH SCHEDULE FOR FINISHES
- H. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED

REFERENCE KEYNOTES

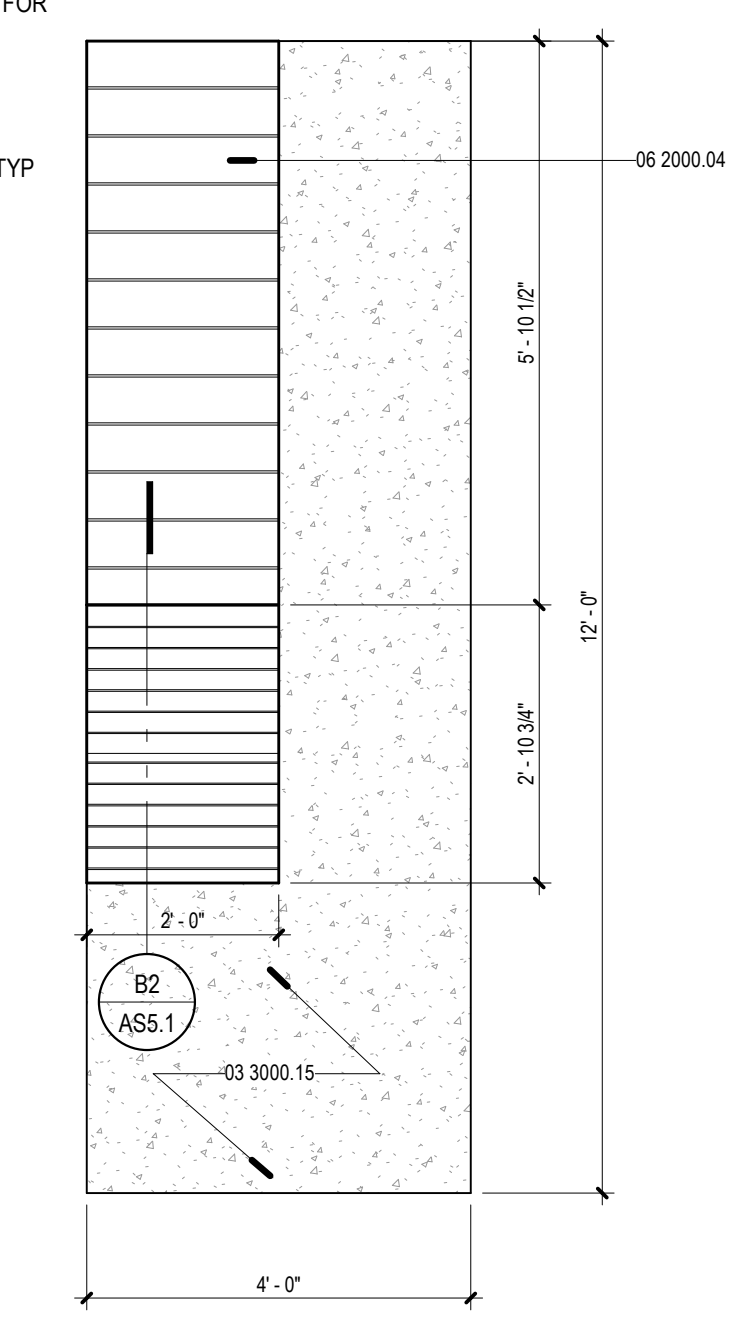
- 0.07 EXISTING FA" R STEEL LETTERS, 4 ANCHORS PER LETTER, REUSE EXISTING ANCHOR LOCATIONS FOR NEW ANCHORING METHOD
- 03 2100.13 (4) 1" DIA, 24" MIN EMBED ANCHOR BOLTS
- 03 2100.14 (6) #5 CONT
- 03 2100.16 3/4" CHAMFER
- 03 2100.17 #4 @ 18" O.C. LONGITUDINAL
- 03 2100.18 #4 CLOSED STIRRUPS @ 12"
- 03 2100.19 (2) #4 LONGITUDINAL TOP AND BOTTOM
- 03 2100.20 #4 CLOSED STIRRUPS @ 6" O.C. ABOVE GRADE
- 03 2100.21 #4 CLOSED STIRRUPS @ 12" O.C. BELOW GRADE
- 03 3000.08 #6 BARE COPPER BONDED TO REBAR AND CONNECTED TO POLE GROUND LUG
- 03 3000.13 CONCRETE FOOTING
- 03 3000.14 1/2" CHAMFER, TYP
- 03 3000.15 CONCRETE BENCH, SEE DETAILS
- 03 3000.17 4,000 PSI CONC @ 28 DAYS WITH 6% AIR ENTRAINMENT. MAX W/C RATIO = 0.45
- 03 3000.18 2'-0" WIDE FOOTING
- 03 4826.01 PRECAST REINFORCED CONCRETE BUMPER
- 03 4826.02 1" DIA. HOLE FOR ANCHOR PIN
- 03 4826.03 (2) #3 REBAR
- 03 4826.04 #5 REBAR, 2 PER BUMPER, 20" DEPTH MIN.
- 05 5000.07 BASE PLATE
- 05 5000.08 HYDRANT BOLLARD
- 05 5000.24 1/4" X 2" STEEL PLATE, GALVANIZED
- 05 5000.25 EMBED ANCHOR, 24" O.C. MAX
- 05 5000.27 6" SCHED 80 PIPE, PAINT
- 05 5000.28 2X2X1/8" HSS TUBE, PAINT
- 05 5000.29 1X1X1/8" HSS TUBE, PAINT
- 05 5000.30 2" X 1/8" PLATE PERIMETER, CENTERED, PAINT
- 05 5000.31 1/8" PLATE, PAINT
- 05 5000.32 REFLECTIVE TAPE, BASIS OF DESIGN: 3M DIAMOND GRADE 883-10NL, WHITE
- 05 5000.34 (3) HEAVY DUTY WELD ON, GREASABLE BARREL HINGES
- 05 5000.35 12" X 1/8" PLATE PERIMETER, CENTERED, PAINT
- 05 5000.42 1/2" DIA CAME BOLT, DRILL HOLES THROUGH GATE ENDS TO PROVIDE PATHWAY FOR THROUGH-BOLT
- 05 5000.43 1/8" VERTICAL PLATE, PROVIDE HOLES FOR PADLOCK
- 05 5000.45 CAP PIPE END, PAINT
- 06 2000.04 1 1/2" X 3 1/2" SOLID WOOD BOARD, TREATED, CLEAR FINISH
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING
- 28 0000.03 LIGHT POLE AND BASE, SEE ELECTRICAL
- 28 0000.04 RV ELECTRICAL SERVICE SUB PANEL CONNECTION, SEE ELECTRICAL
- 28 0000.05 ELECTRICAL CONDUIT, SEE ELECTRICAL
- 28 0000.07 RECEPTACLE IN-USE COVER, SEE ELECTRICAL
- 32 1200.01 ASPHALT PAVING, SEE CIVIL
- 32 1723.04 TRAFFIC STRIPPING, 4" WIDE REFLECTIVE PAINT COLOR WHITE WITH GLASS BEADS, SEE SPECIFICATIONS



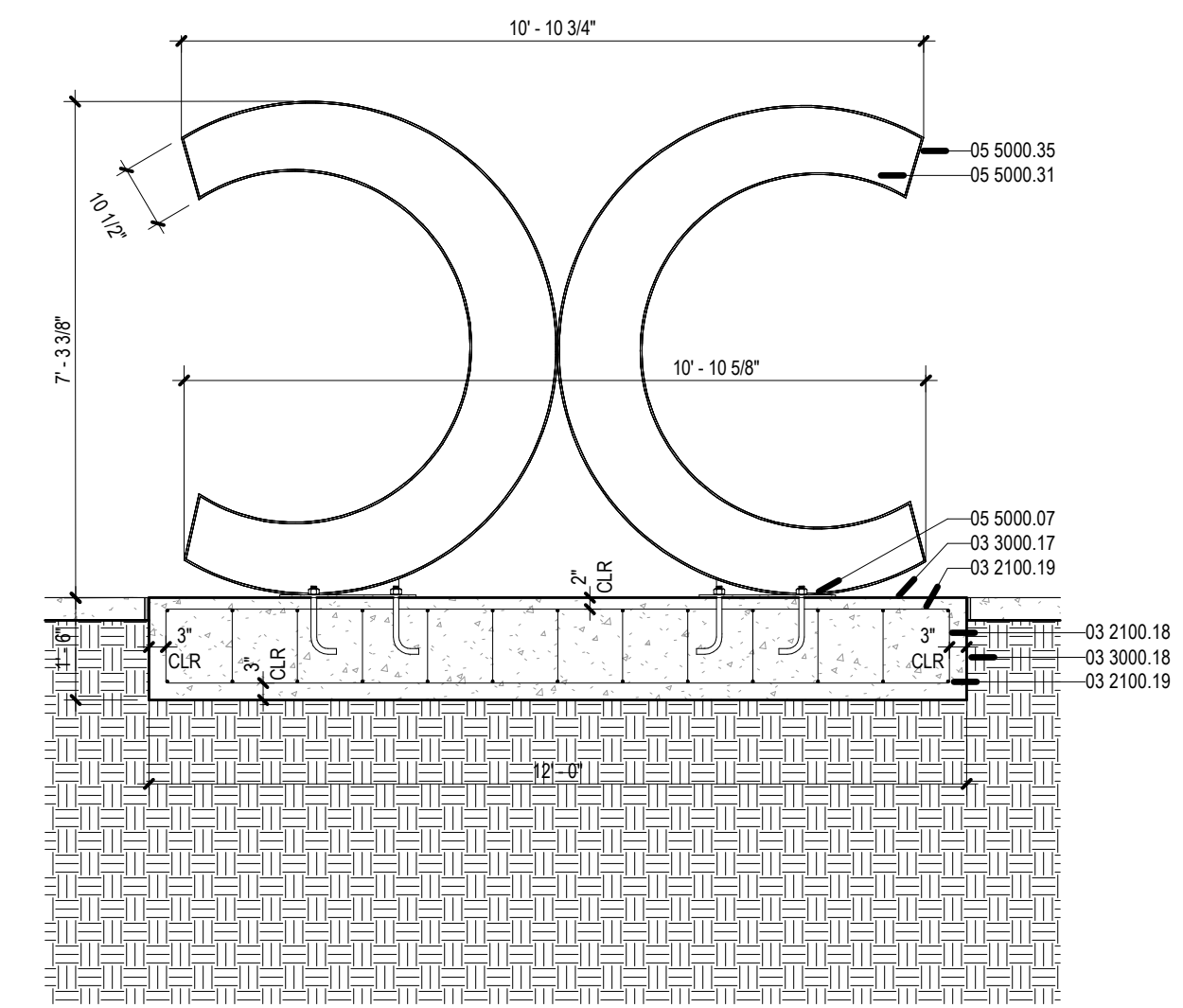
E1 SECTION DETAIL
1/2" = 1'-0"



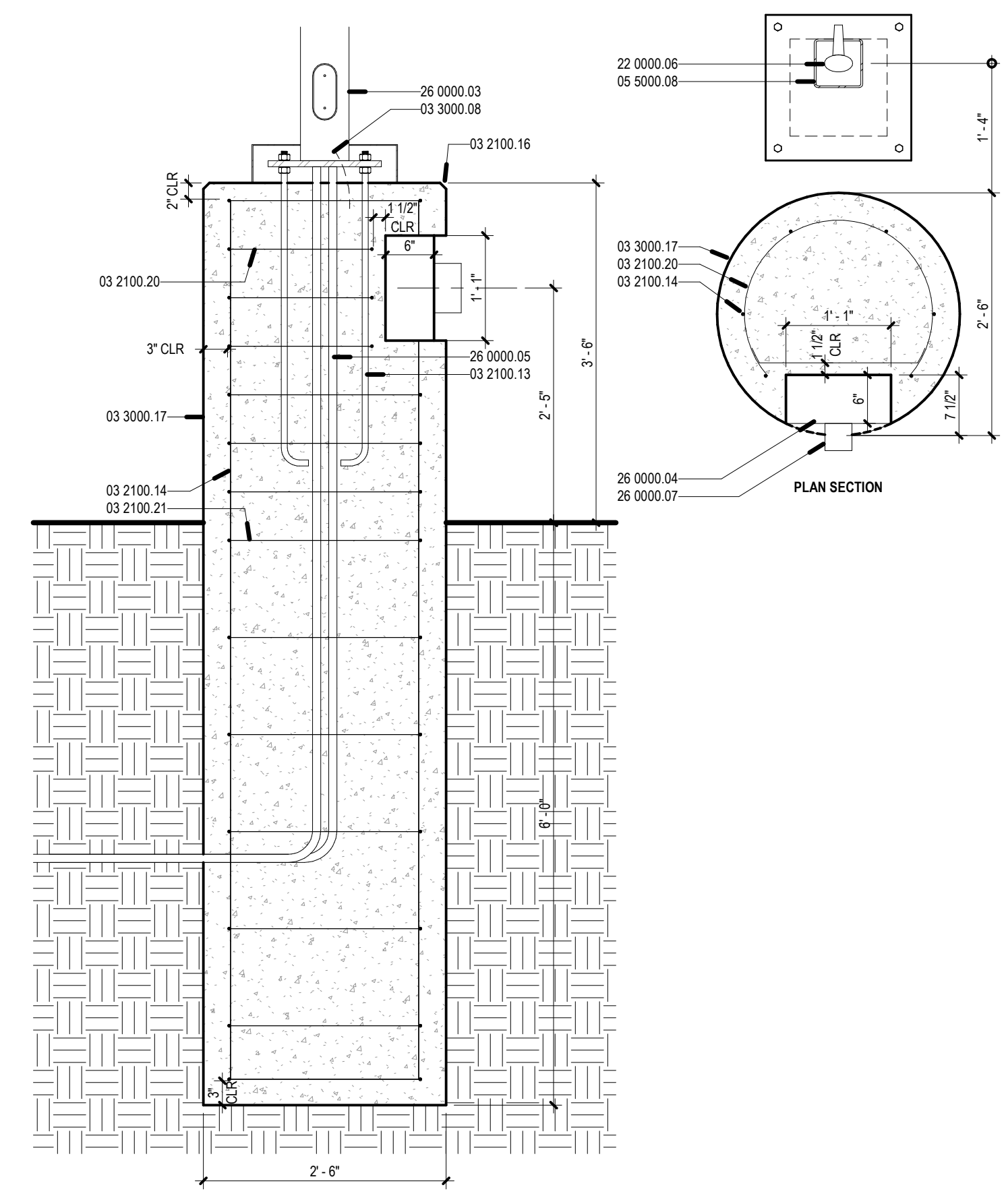
D4 BOLLARD DETAIL
1 1/2" = 1'-0"



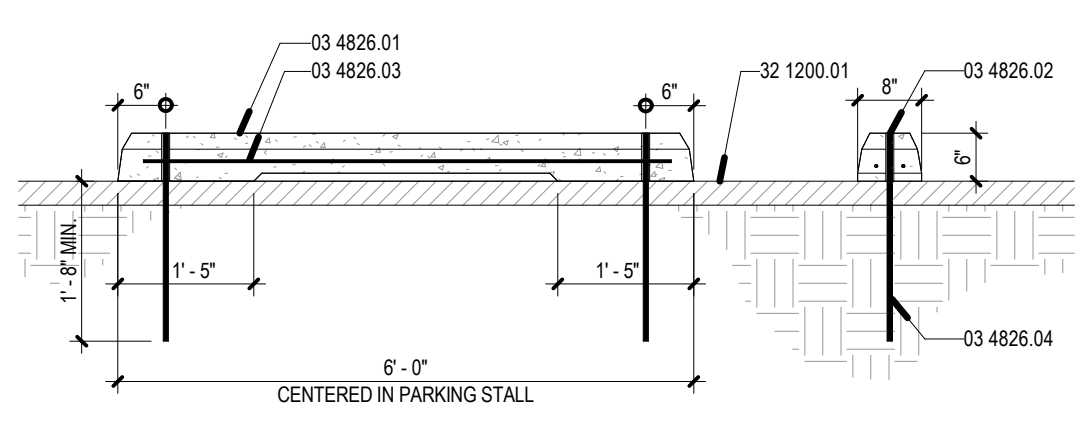
D5 PLAN DETAIL - CONCRETE BENCH
1/2" = 1'-0"



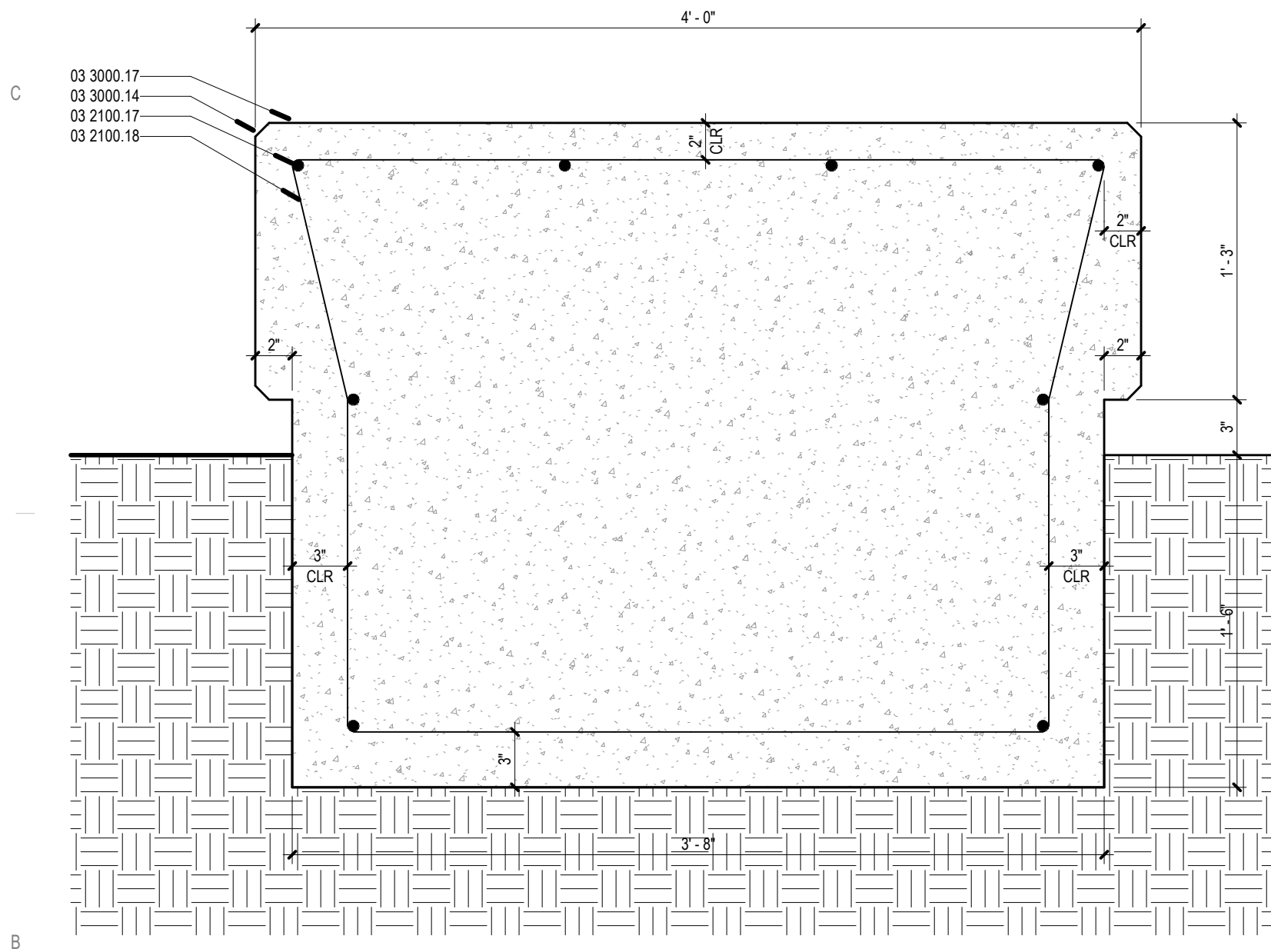
C2 SECTION DETAIL
3/8" = 1'-0"



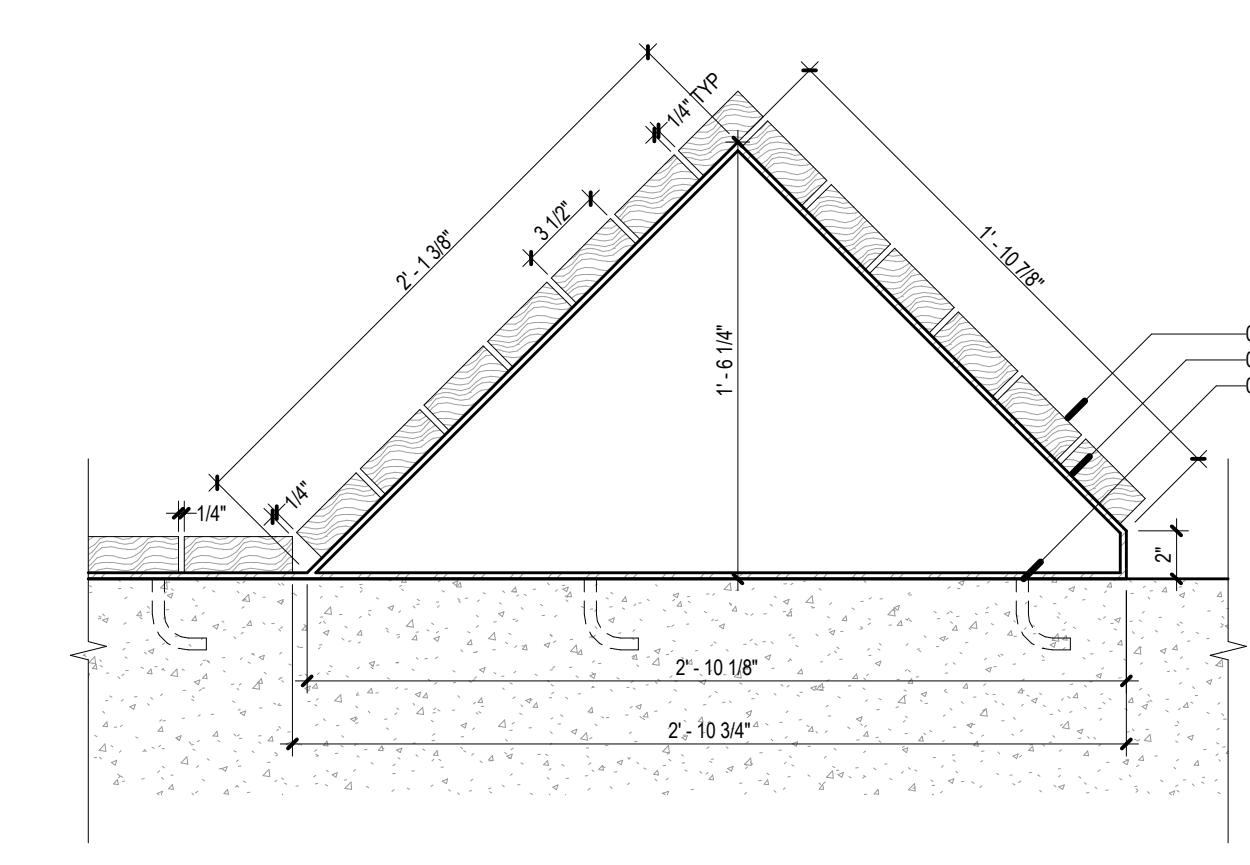
B4 SECTION DETAIL
3/4" = 1'-0"



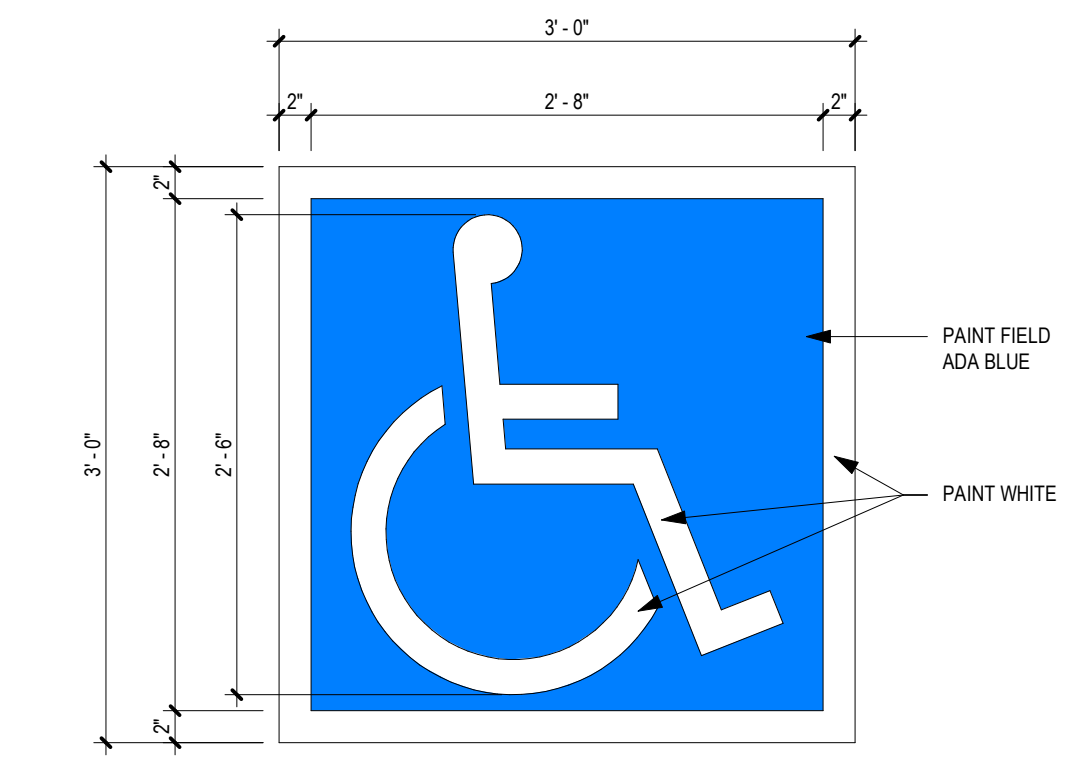
C5 SITE DETAIL
1/2" = 1'-0"



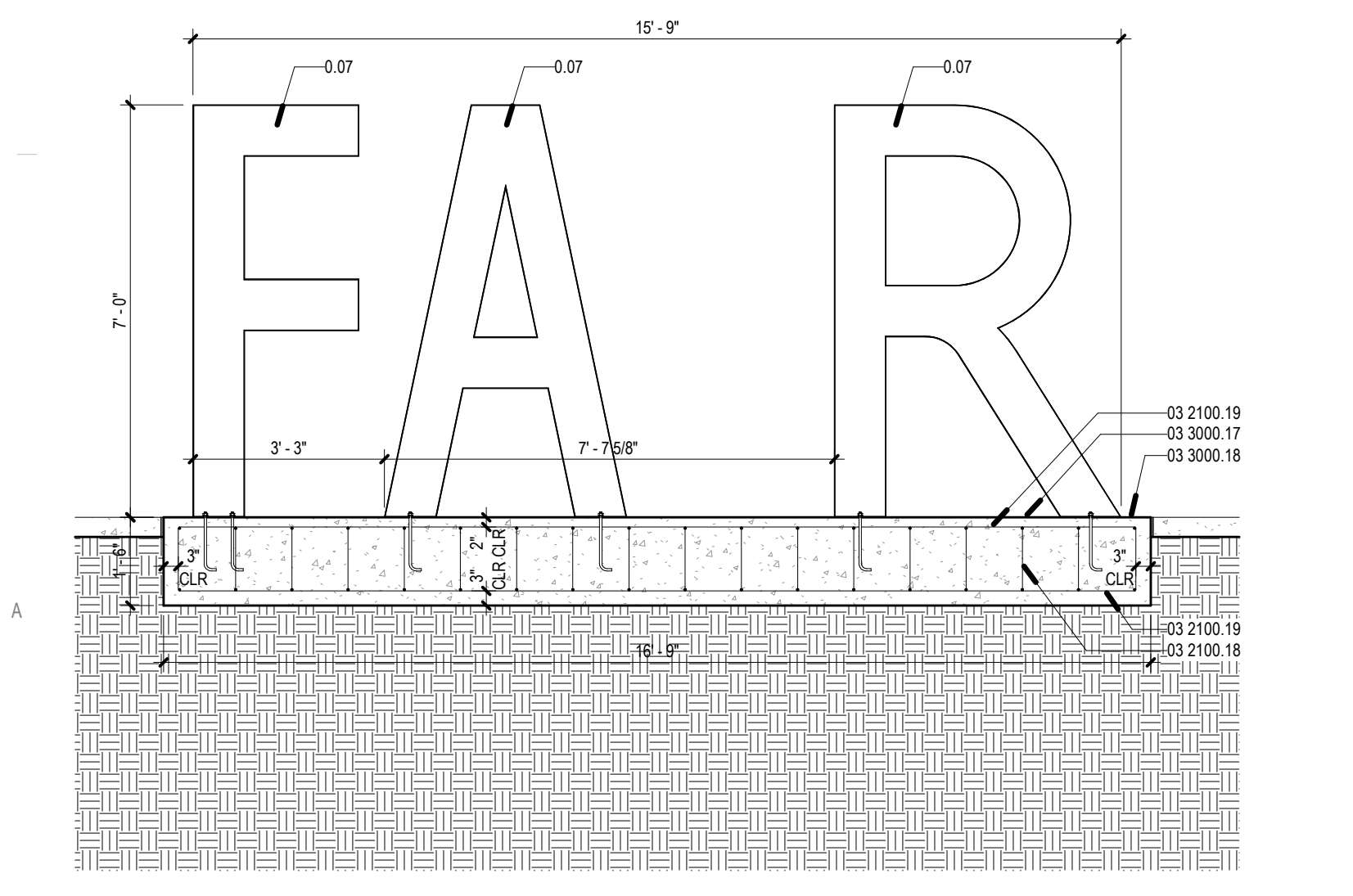
B1 SECTION DETAIL
1 1/2" = 1'-0"



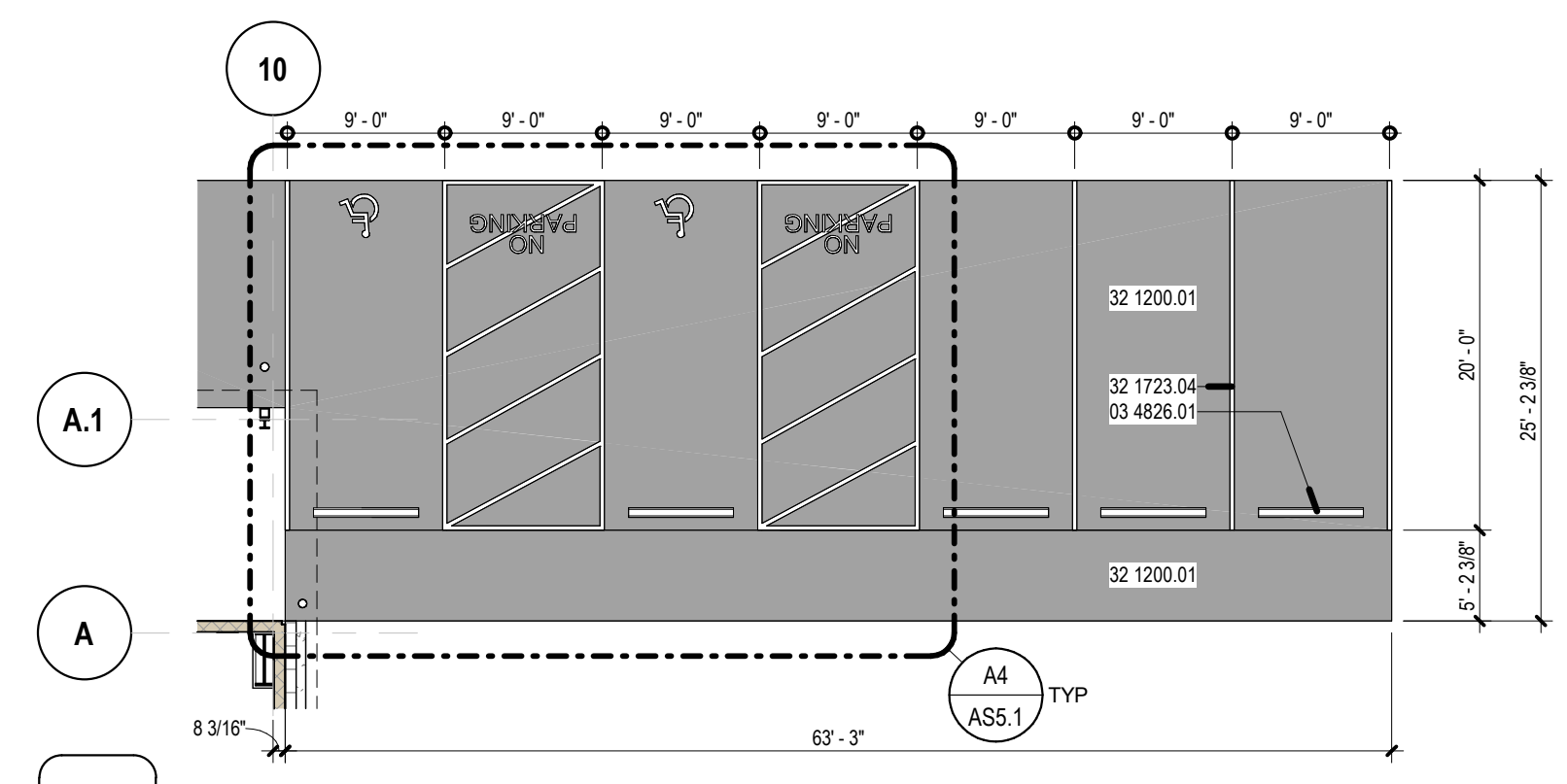
B2 SECTION DETAIL
1 1/2" = 1'-0"



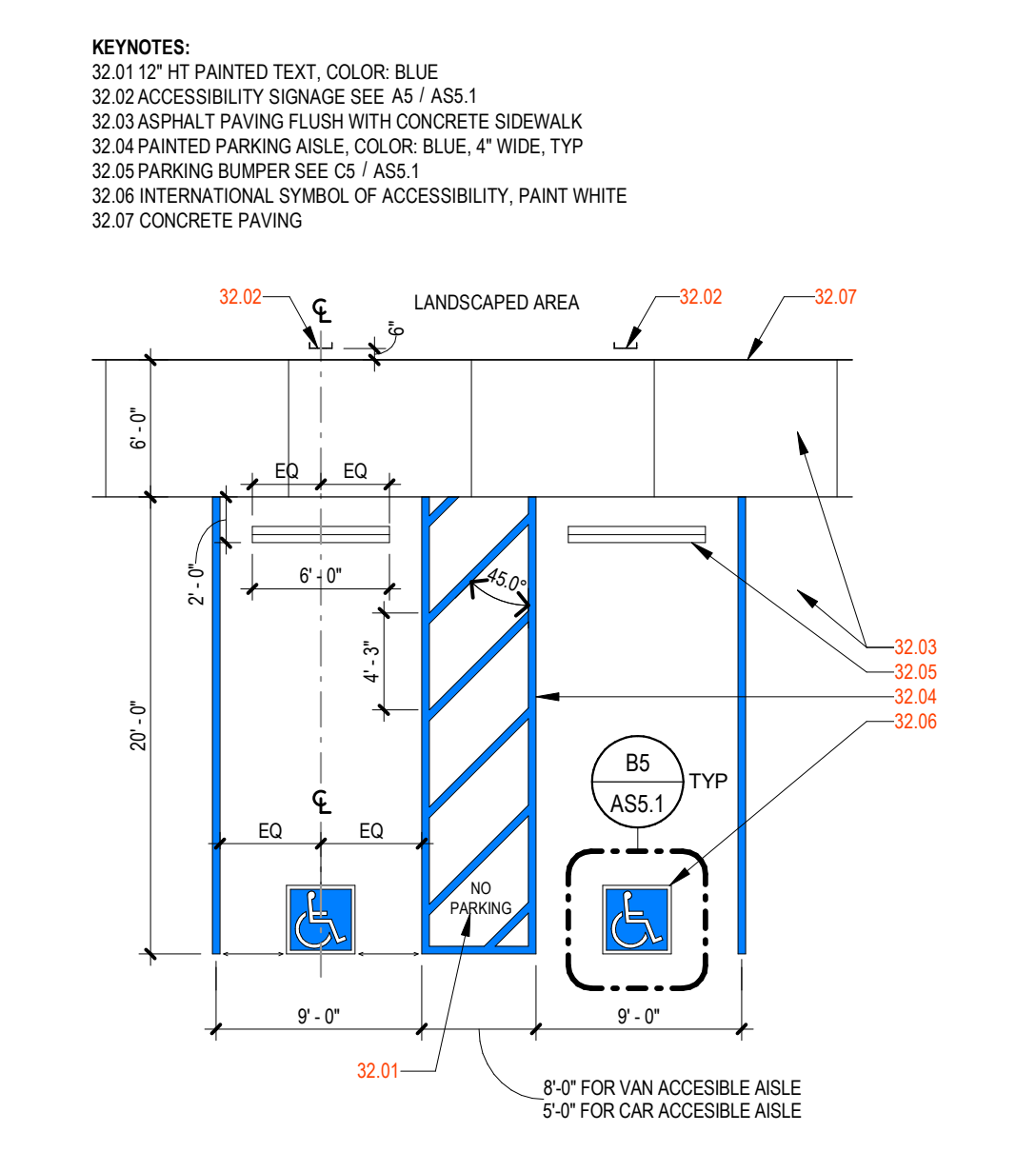
B5 SITE DETAIL
1" = 1'-0"



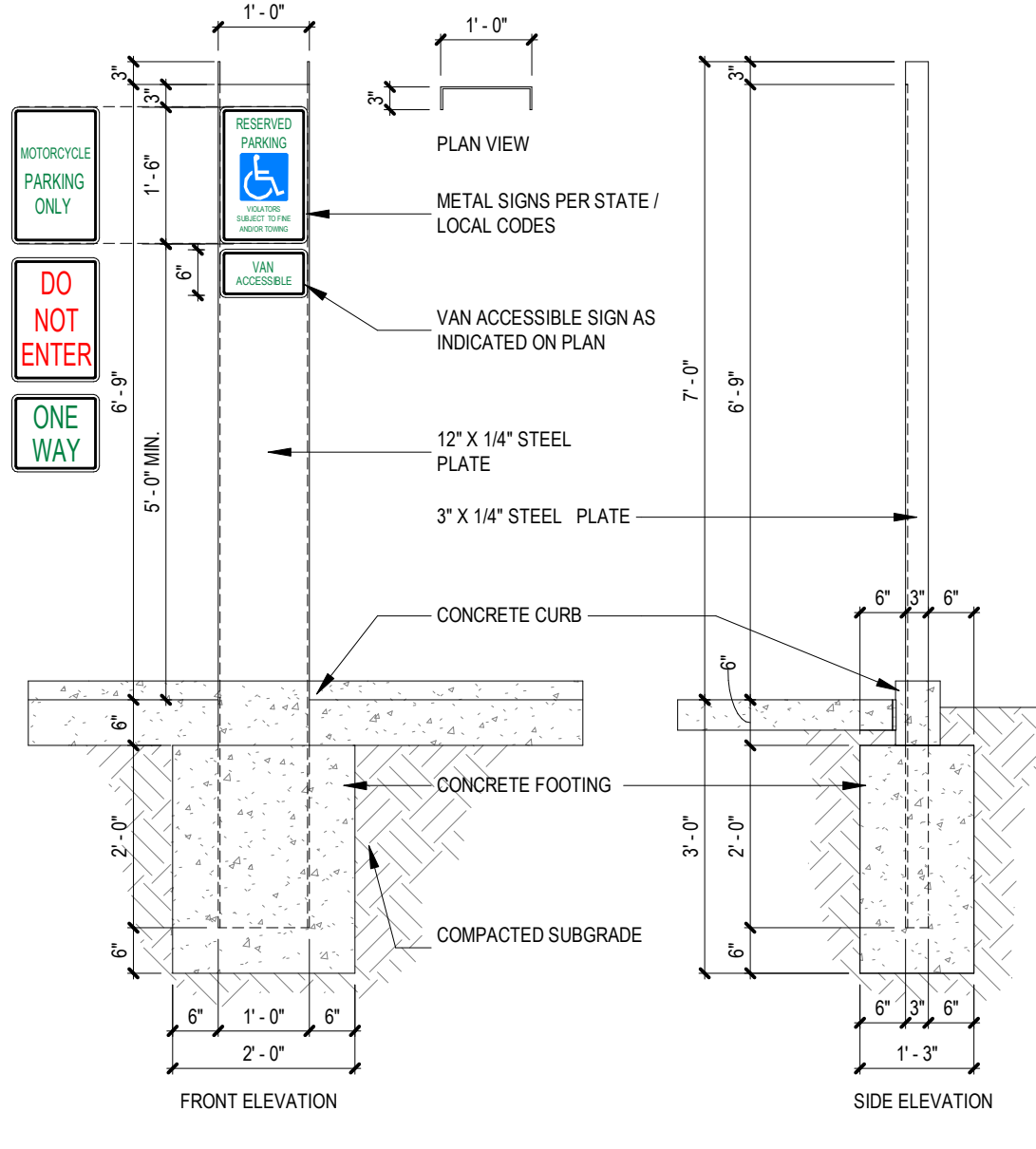
A1 SECTION DETAIL
3/8" = 1'-0"



A2 ENLARGED SITE PLAN
3/32" = 1'-0"



A4 SITE DETAIL
1/8" = 1'-0"



A5 SD - ADA Parking Signage
1/2" = 1'-0"

LEGEND

- PAINT FIELD ADA BLUE
- PAINT WHITE

KEY PLAN

NORTH + SCALE

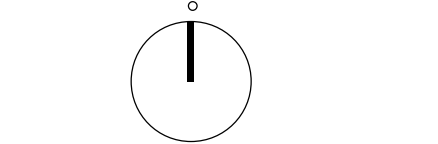
REVISIONS

NO.	DESCRIPTION	DATE

NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE



DRAWING NAME
SITE DETAILS

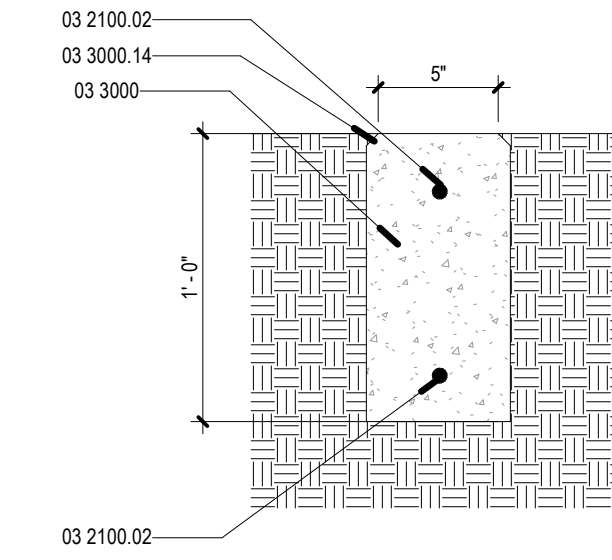
AS5.1

GENERAL SHEET NOTES

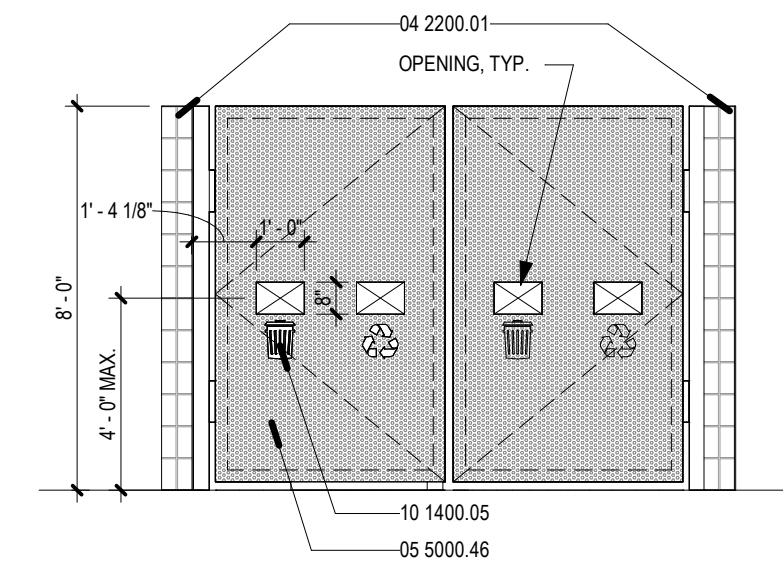
- A. REFERENCE FINISH FLOOR ELEVATION = 100' - 0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. SEE 61.2 FOR TYPICAL MOUNTING HEIGHTS
- D. SEE SLAB EDGE PLAN FOR CONCRETE CONTROL JOINT LOCATIONS
- E. SEE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO
- F. SEE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- G. SEE FINISH SCHEDULE FOR FINISHES
- H. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED

REFERENCE KEYNOTES

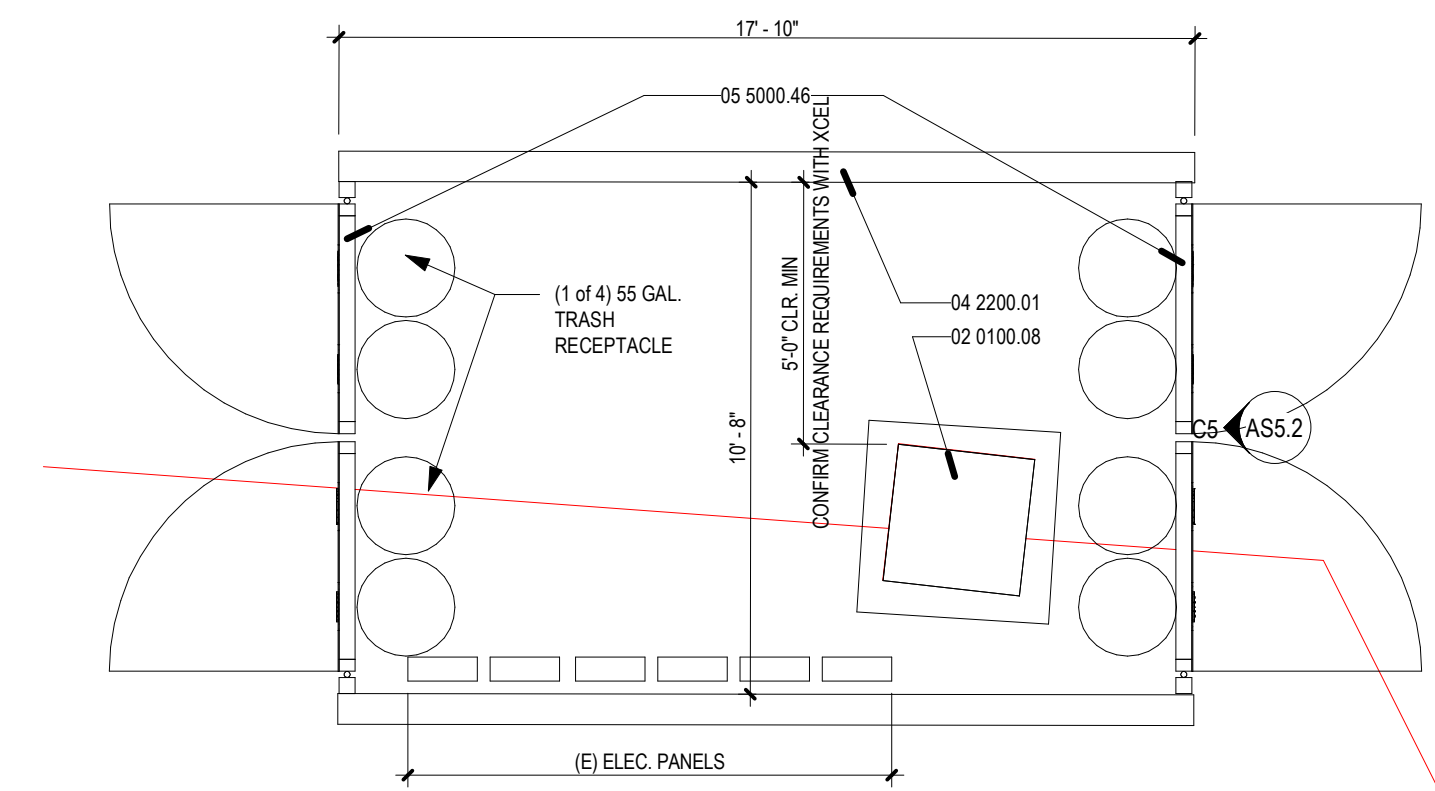
- 02 0100.07 EXISTING TREE TO REMAIN, CONSTRUCT AROUND TREE, MAINTAIN SOIL LEVEL AT TRUNK OF TREE
- 02 0100.08 EXISTING TRANSFORMER TO REMAIN
- 03 2100.02 #4 REBAR
- 03 2100.17 #4 @ 16" O.C. LONGITUDINAL
- 03 2100.18 #4 CLOSED STIRRUPS @ 12"
- 03 3000.11 CONCRETE PLANTER BENCH
- 03 3000.14 1/2" CHAMFER, TYP.
- 03 3000.17 4,000 PSI CONC @ 28 DAYS WITH 6% AIR ENTRAINMENT, MAX W/C RATIO = 0.45
- 04 2200.01 CONCRETE MASONRY (CMU), (WHHL) 8"x8"x16" NOMINAL, STACK BOND
- 05 5000.24 1/4" X 2" STEEL PLATE, GALVANIZED
- 05 5000.26 1/2" ACORN NUT, GALVANIZED
- 05 5000.46 CUSTOM STEEL GATE WITH PERFORATED SHEET METAL INFILL PANELS, PAINT COLOR: WHITE, BOB; MCNICHOLS 14 GA. 1/4" ROUND ON 3/8" STAGGERED CENTERS
- 06 2000.04 1 1/2" X 3 1/2" SOLID WOOD BOARD, TREATED, CLEAR FINISH
- 10 1400.05 VINYL GRAPHIC, TRASH & RECYCLING PHOTOGRAPHIC, COLOR: WHITE
- 26 0000.04 RV ELECTRICAL SERVICE SUB PANEL CONNECTION, SEE ELECTRICAL



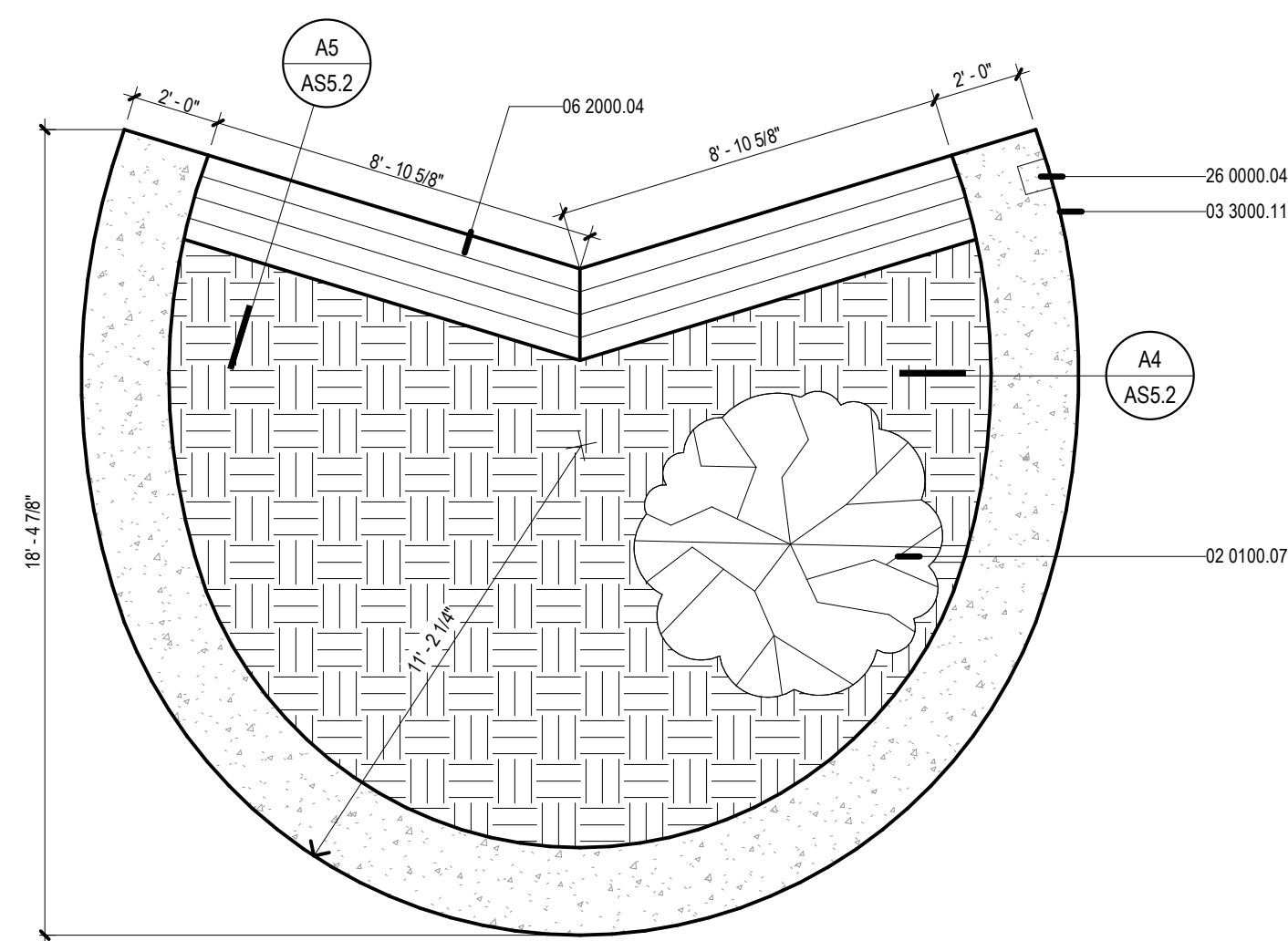
D5 HEADER CURB DETAIL
1 1/2" = 1'-0"



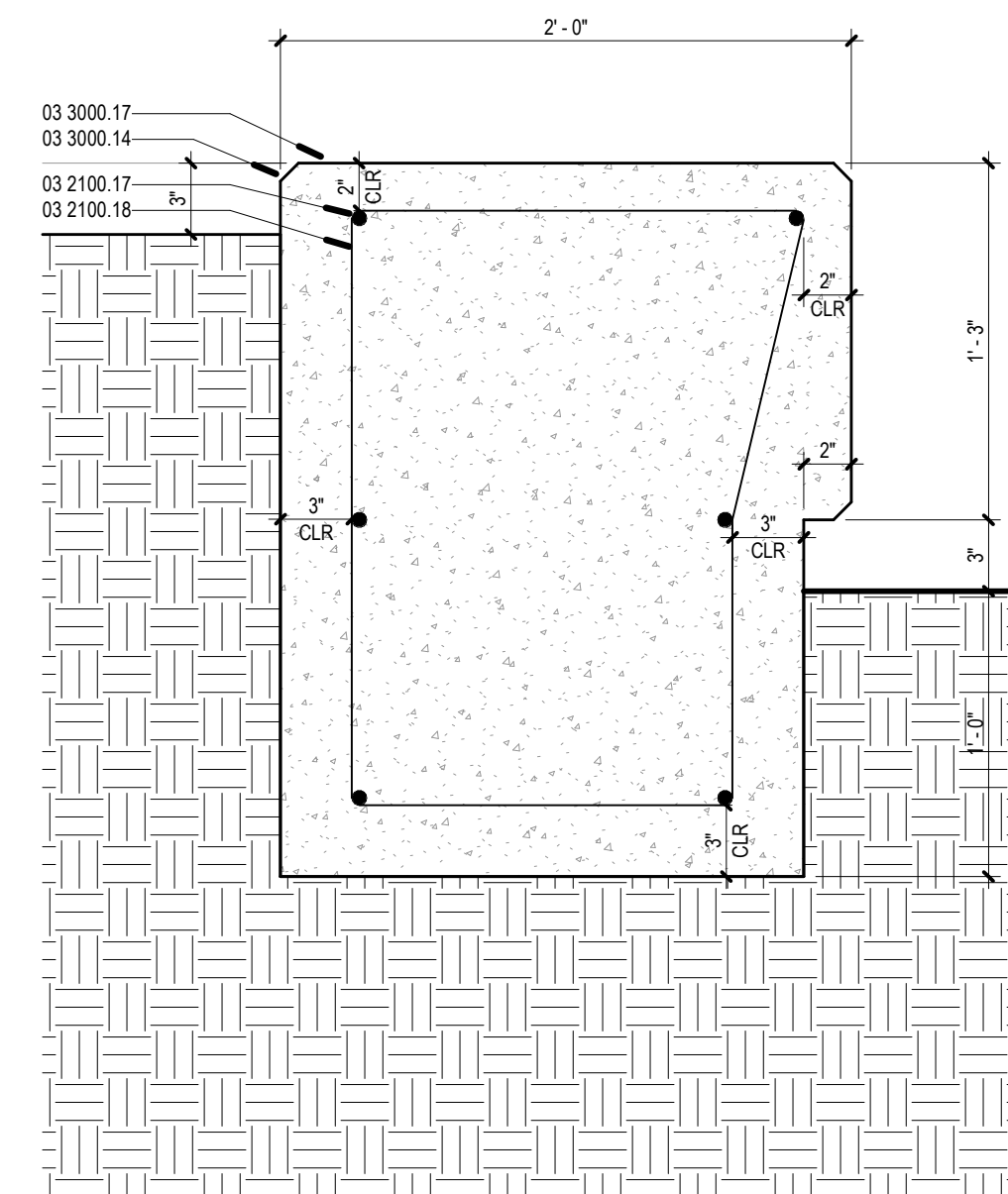
C5 WASTE MANAGEMENT / DUMPSTER GATE
1/4" = 1'-0"



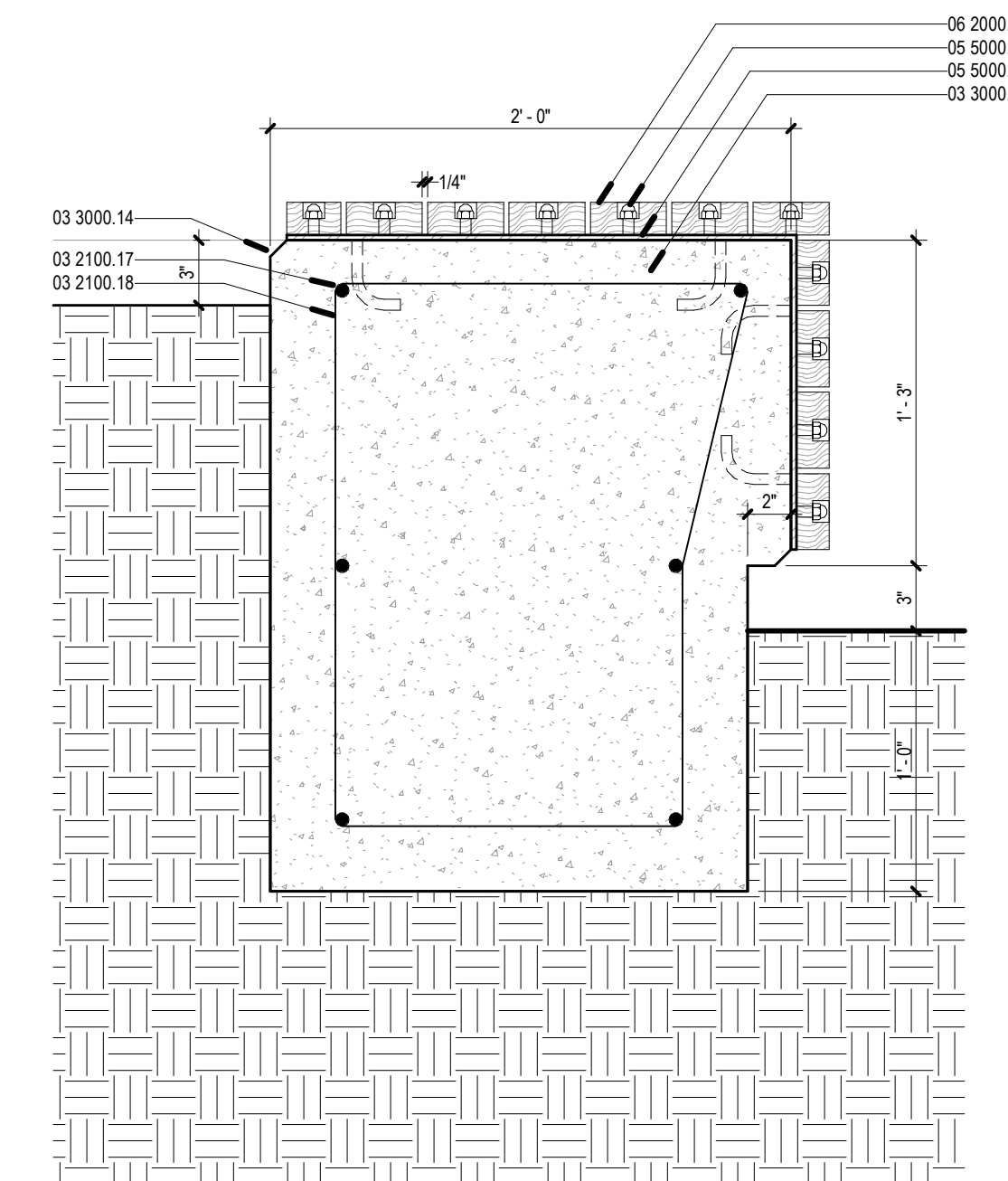
B5 ENLARGED PLAN - WASTE MANAGEMENT / DUMPSTER
1/4" = 1'-0"



A3 PLAN DETAIL - CONCRETE BENCHES
1/4" = 1'-0"



A4 SECTION DETAIL - CONCRETE BENCH
1 1/2" = 1'-0"



A5 SECTION DETAIL - CONCRETE BENCH WITH SEAT
1 1/2" = 1'-0"

LEGEND

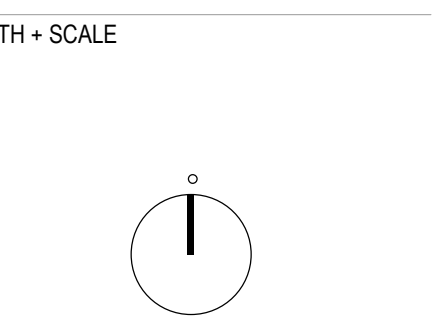
KEY PLAN



REVISIONS

NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003



SITE DETAILS

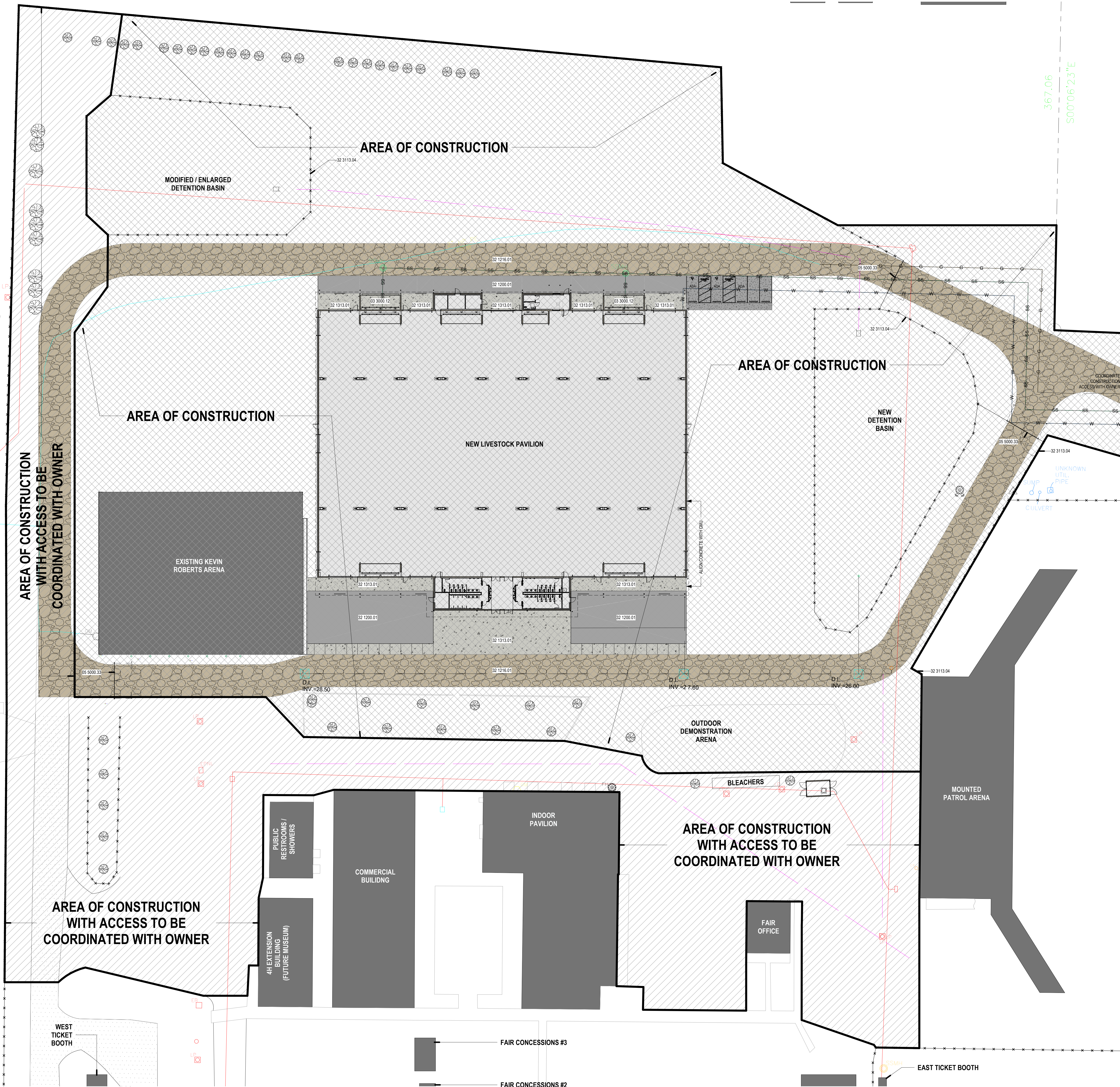
AS5.2

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100' - 0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. CONTRACTOR TO PROVIDE PATCHING AND REPAIRING TO MATCH EXISTING.

REFERENCE KEYNOTES

- 03 3000.12 CONCRETE WASH BAY, SEE PLANS
- 05 5000.33 CUSTOM STEEL GATE, SEE DETAILS
- 32 1200.01 ASPHALT PAVING, SEE CIVIL
- 32 1216.01 COMPACTED BASE COURSE, SEE CIVIL
- 32 1313.01 CONCRETE PAVING, REFER TO CIVIL
- 32 3113.04 6'-0" TALL CHAIN LINK FENCE WITH CONTINUOUS TOP RAIL AND VERTICAL POSTS AT 6'-0" O.C. PROVIDE STEEL 3 STRAND BARD WIRE ARMS AND BARB WIRE



LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- CRUSHER FINES
- GRAVEL
- AREA OF NEW DETENTION BASIN
- EXISTING BUILDING TO REMAIN
- ALL AREAS DISTURBED BY GC TO BE RESEED WITH NATIVE NM WILDOSEED BLEND

REVISIONS

NO.	DATE	DESCRIPTION

NOTES

DRAWN BY: SS
 REVIEWED BY: ST
 DATE: 6/9/2023
 PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
STAGING PLAN

AS5.3

GENERAL SHEET NOTES

A. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
B. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED.
C. PARTITION TYPE DIAGRAMS ARE INTENDED TO SHOW STUD THICKNESS, WALL HEIGHT AND SUBSTRATE THICKNESS AS WELL AS REFERENCE ANY SOUND OR FIRE RATING PERFORMANCE REQUIREMENTS. PLEASE REFERENCE WALL SECTIONS AND DETAILS FOR PROJECT SPECIFIC DETAILING.



REVISIONS

△	

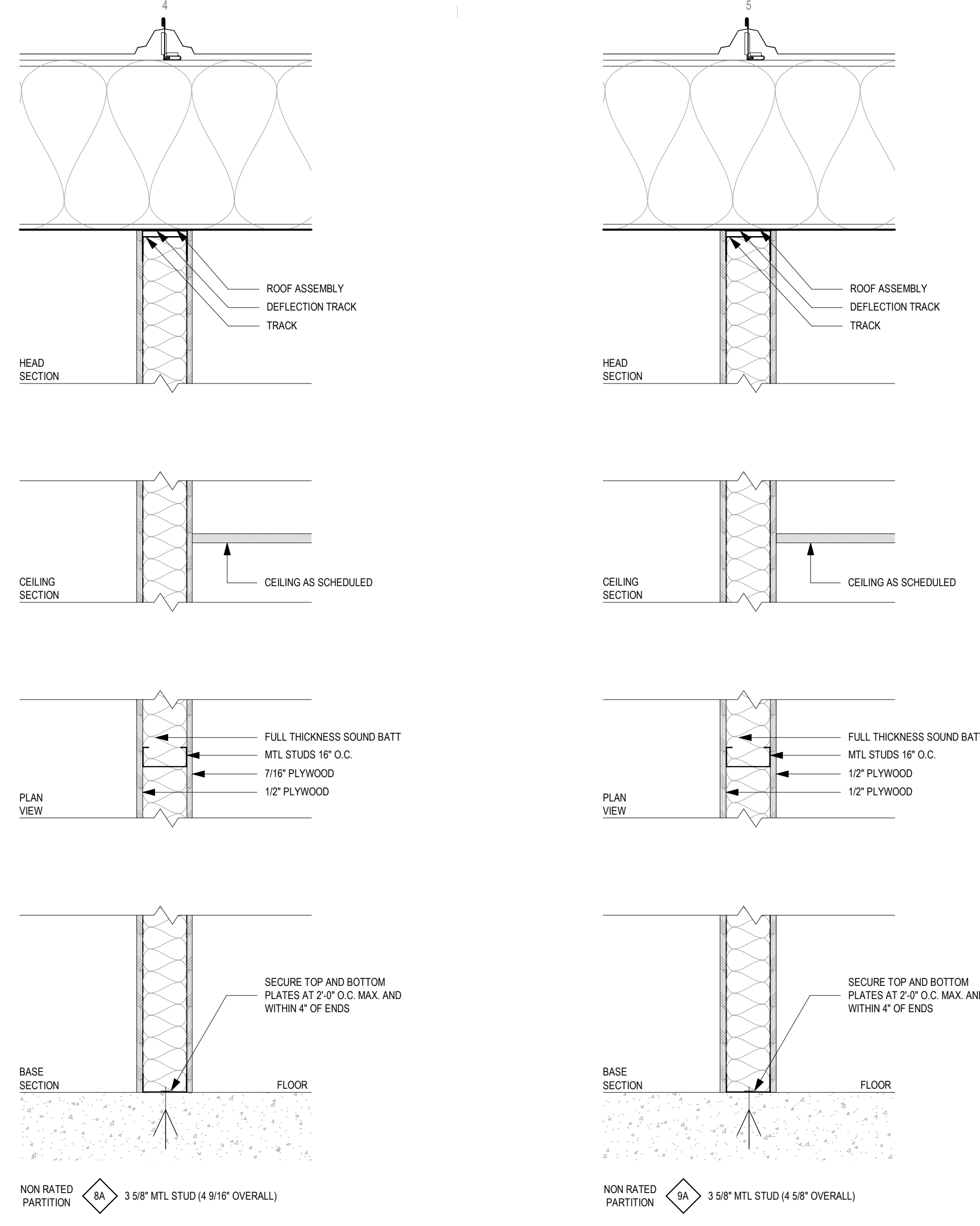
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

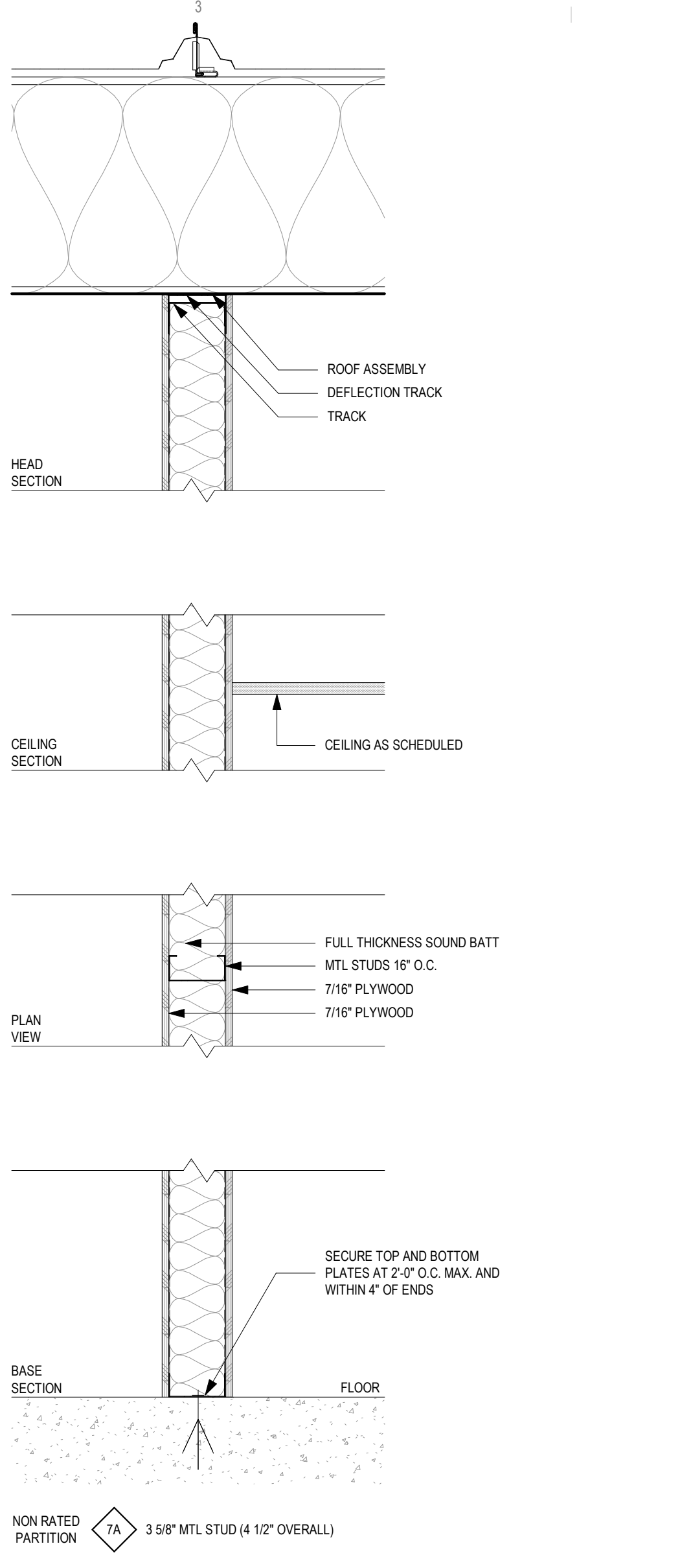
DRAWING NAME
PARTITION TYPES

A0.1



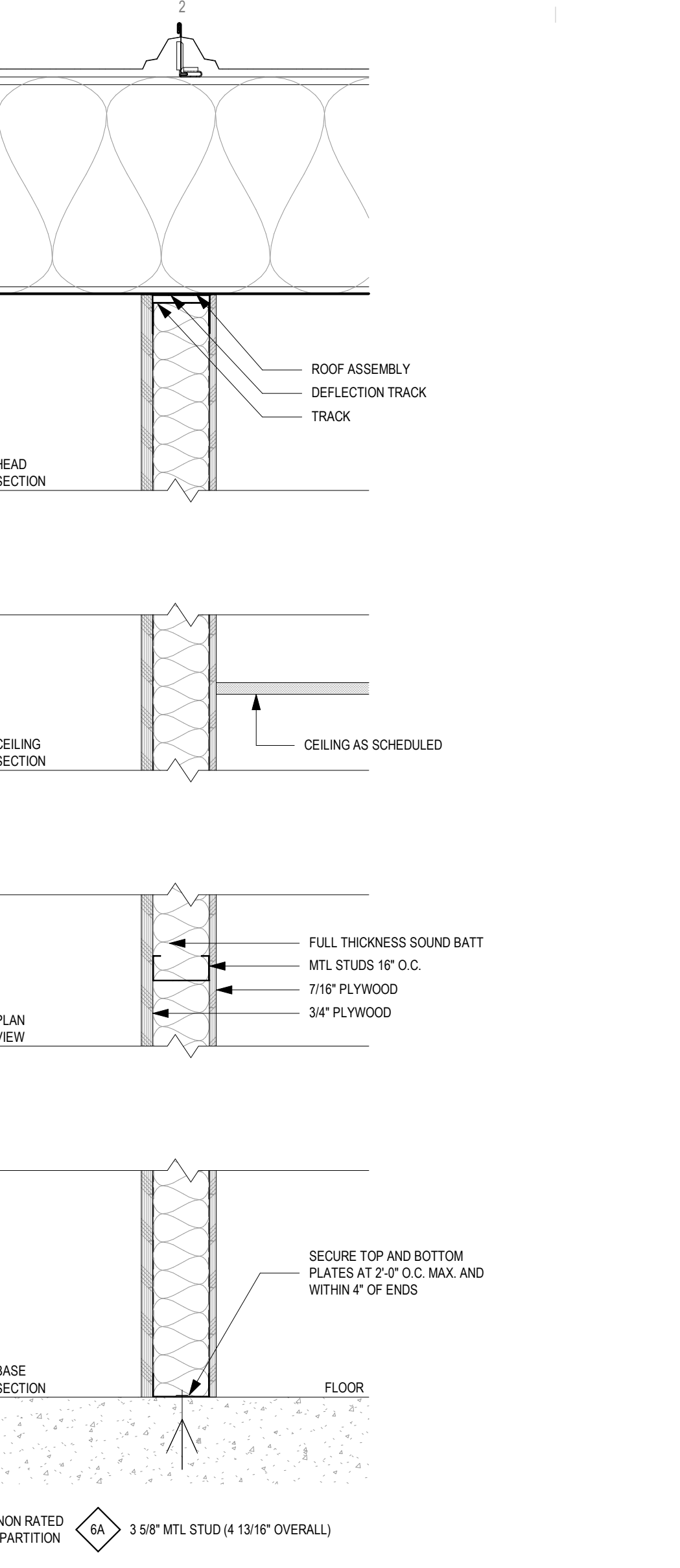
8 NON RATED PARTITION TO DECK
NTS

9 NON RATED PARTITION TO DECK
NTS



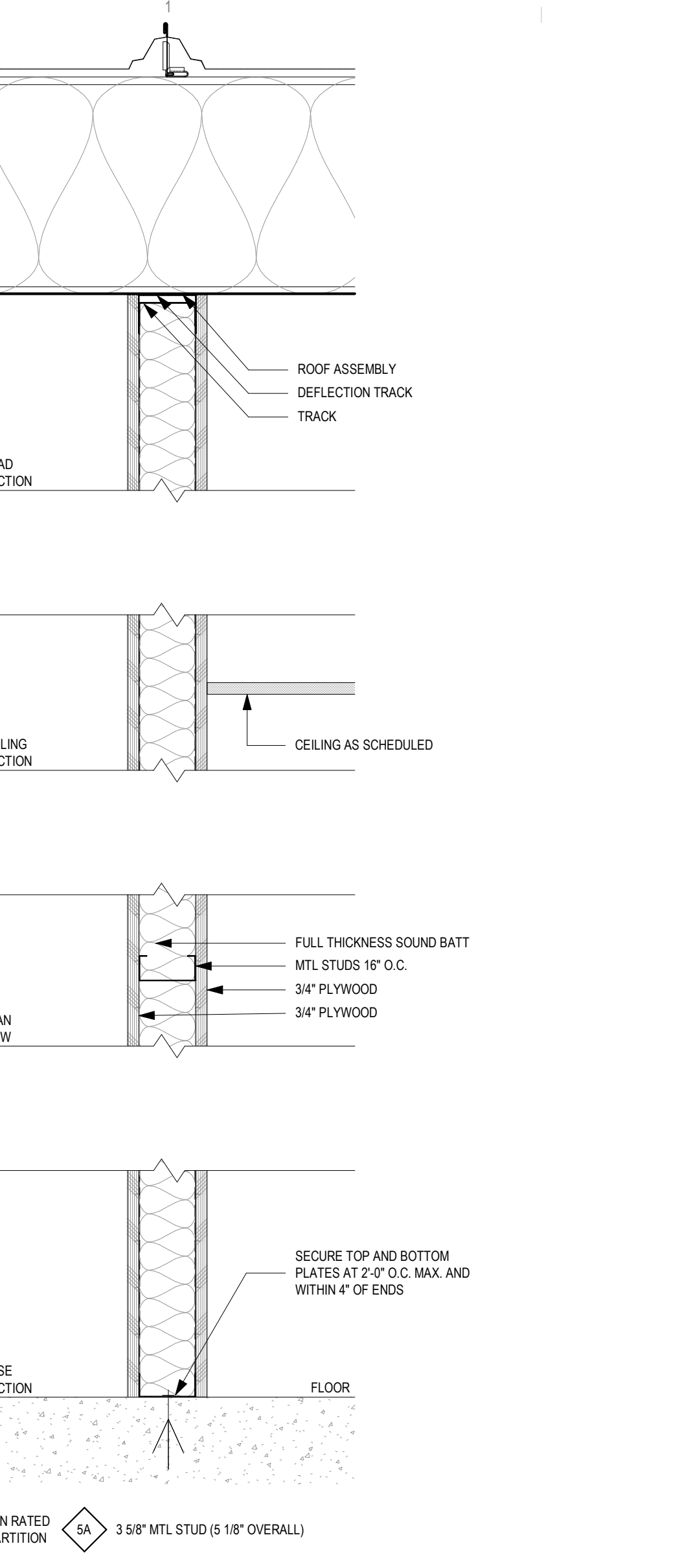
7 NON RATED PARTITION TO DECK
NTS

8 NON RATED PARTITION TO DECK
NTS



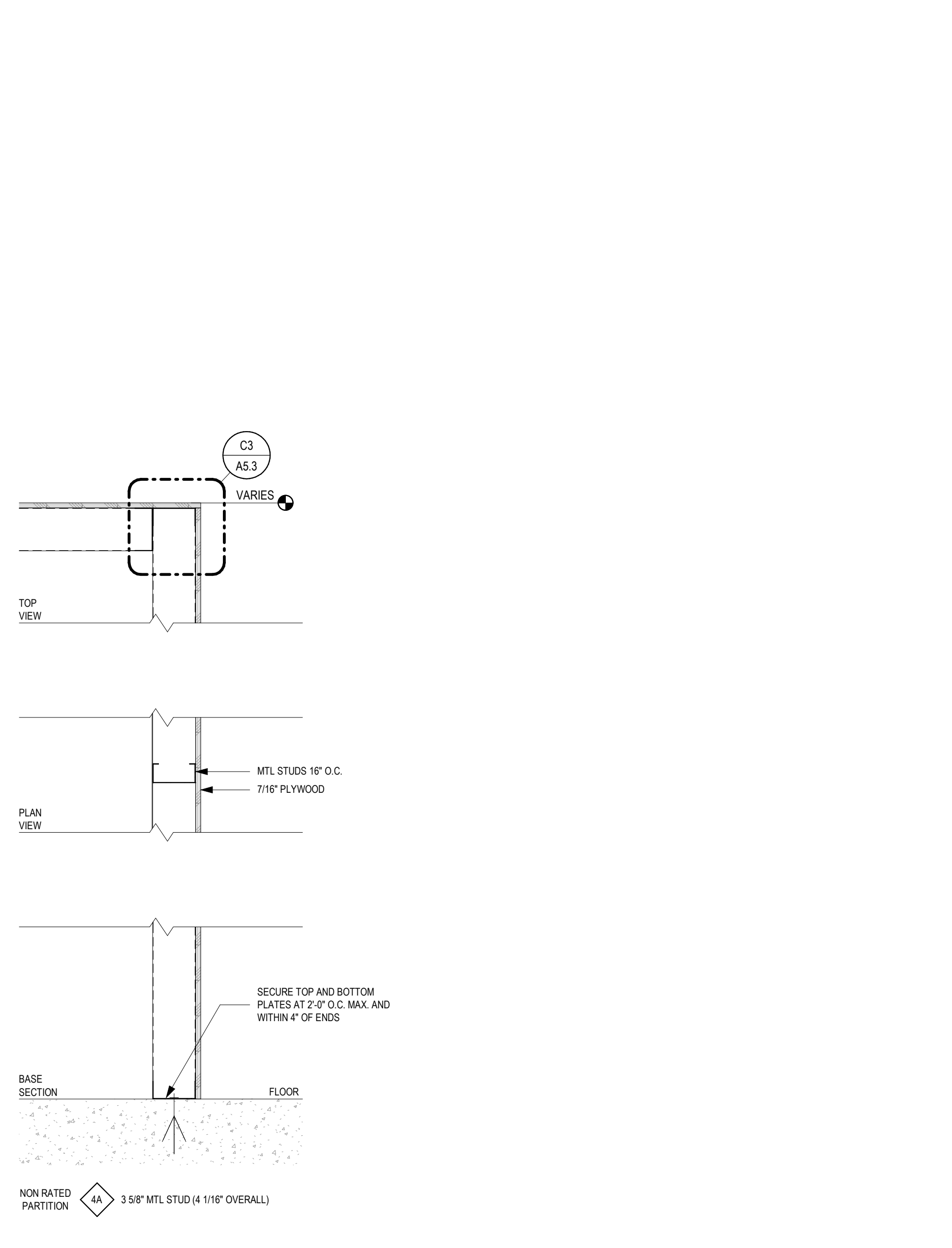
6 NON RATED PARTITION TO DECK
NTS

7 NON RATED PARTITION TO DECK
NTS



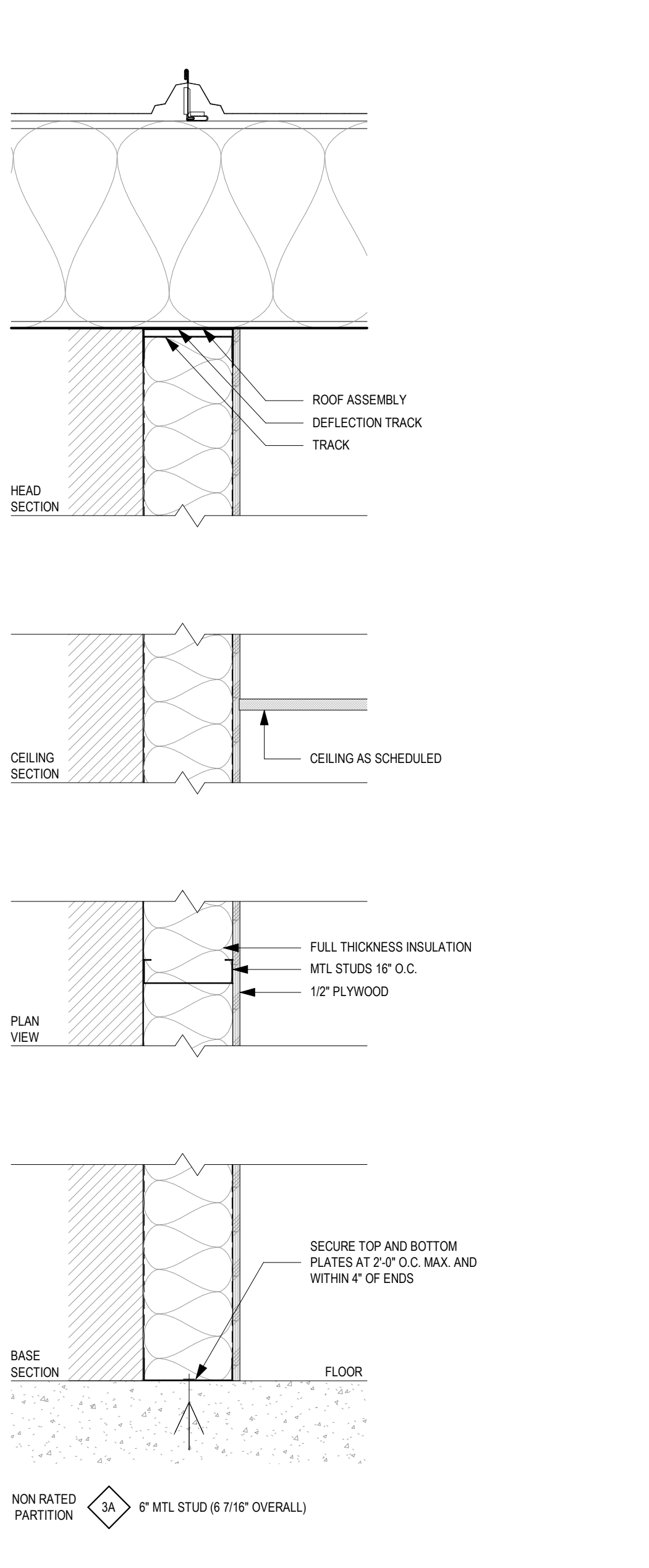
5 NON RATED PARTITION TO DECK
NTS

6 NON RATED PARTITION TO DECK
NTS



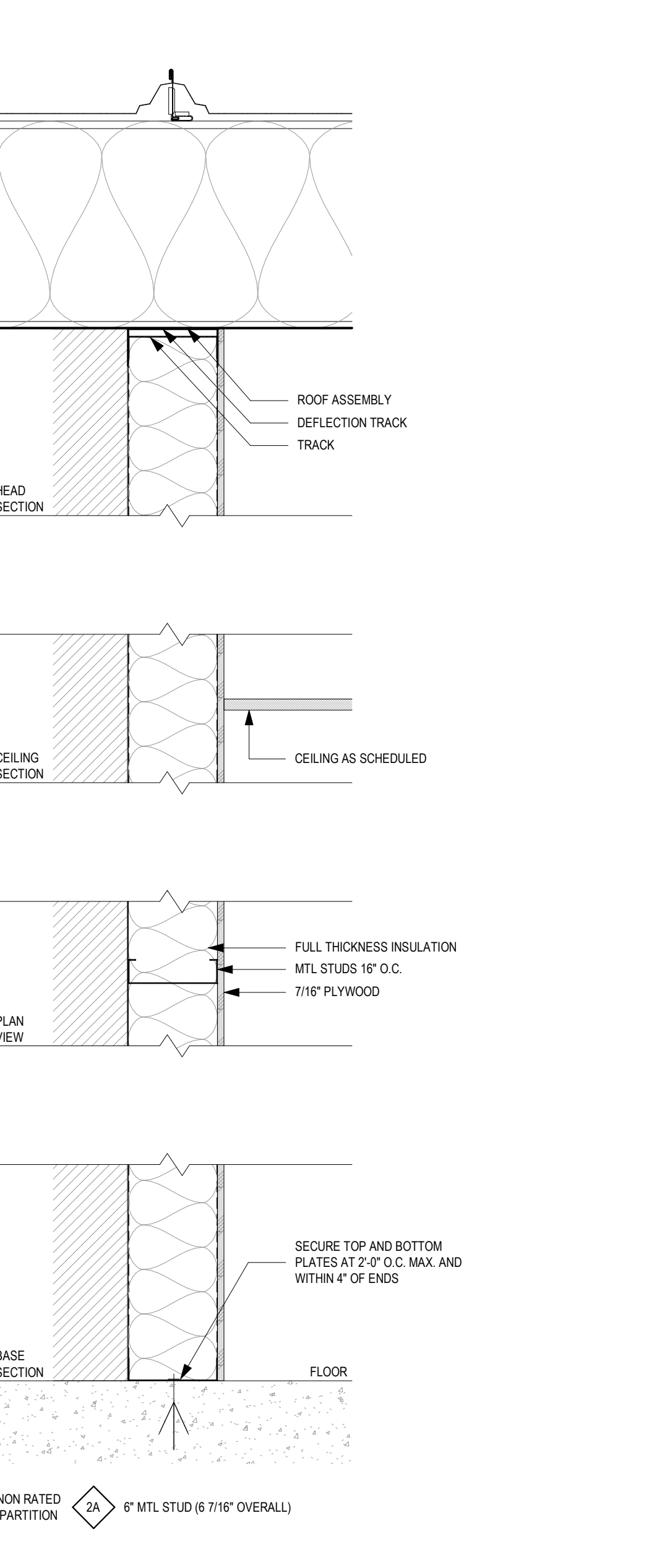
8 NON RATED PARTITION TO DECK
NTS

9 NON RATED PARTITION TO DECK
NTS



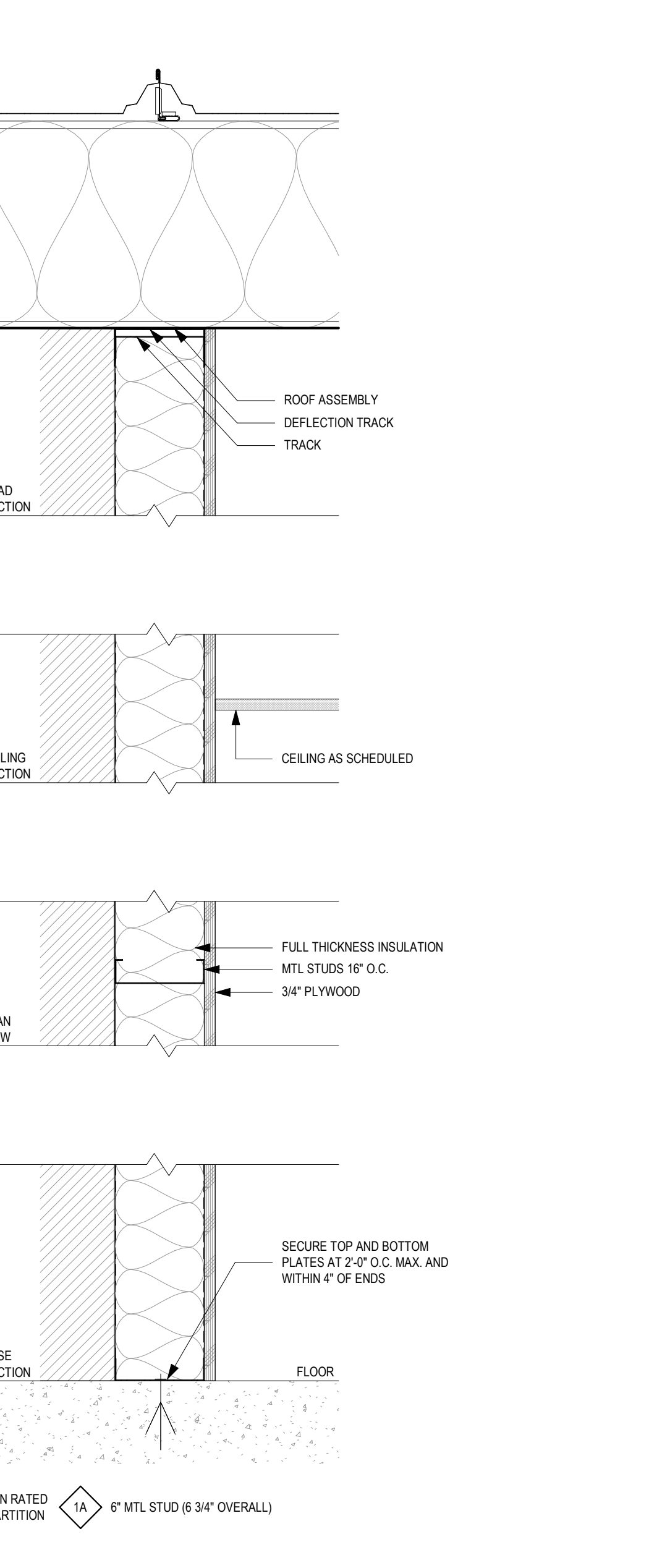
7 NON RATED PARTITION TO DECK
NTS

8 NON RATED PARTITION TO DECK
NTS



6 NON RATED PARTITION TO DECK
NTS

7 NON RATED PARTITION TO DECK
NTS



5 NON RATED PARTITION TO DECK
NTS

6 NON RATED PARTITION TO DECK
NTS

GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- B. ALL PLAN DIMENSIONS TO OPENINGS ARE TO THE ROUGH OPENING DIMENSION UNLESS NOTED OTHERWISE.
- C. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED

REFERENCE KEYNOTES

- 03 3000.01 CONCRETE SLAB ON GRADE. SEE STRUCTURAL.
- 04 2200.01 CONCRETE MASONRY (CMU), (WALL) 8"X16" NOMINAL, STACK BOND
- 05 1200.01 STEEL COLUMN, SEE STRUCTURAL
- 05 5000.01 ANIMAL TIE-RAIL. SEE DETAILS
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE. SEE DETAILS
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 05 5000.49 KNOX BOX
- 08 6223.01 21" TUBULAR SKYLIGHT, TYP.
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 10 1453.01 HDPE CLEARANCE BAR, TEXT TO READ "CLEARANCE 11'-6"
- 13 1900.01 PORTABLE EQUINE STALLS, 10'X10', OWNER PROVIDED, OWNER INSTALLED
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING
- 23 3439.01 24"Ø DIAMETER HIGH-VOLUME, LOW SPEED PROPELLER FAN
- 26 0000.02 ELECTRICAL DROP CONNECTION FROM ABOVE, 100A SERVICE
- 32 1200.01 ASPHALT PAVING, SEE CIVIL

LEGEND



REVISIONS

NO.	DATE	DESCRIPTION

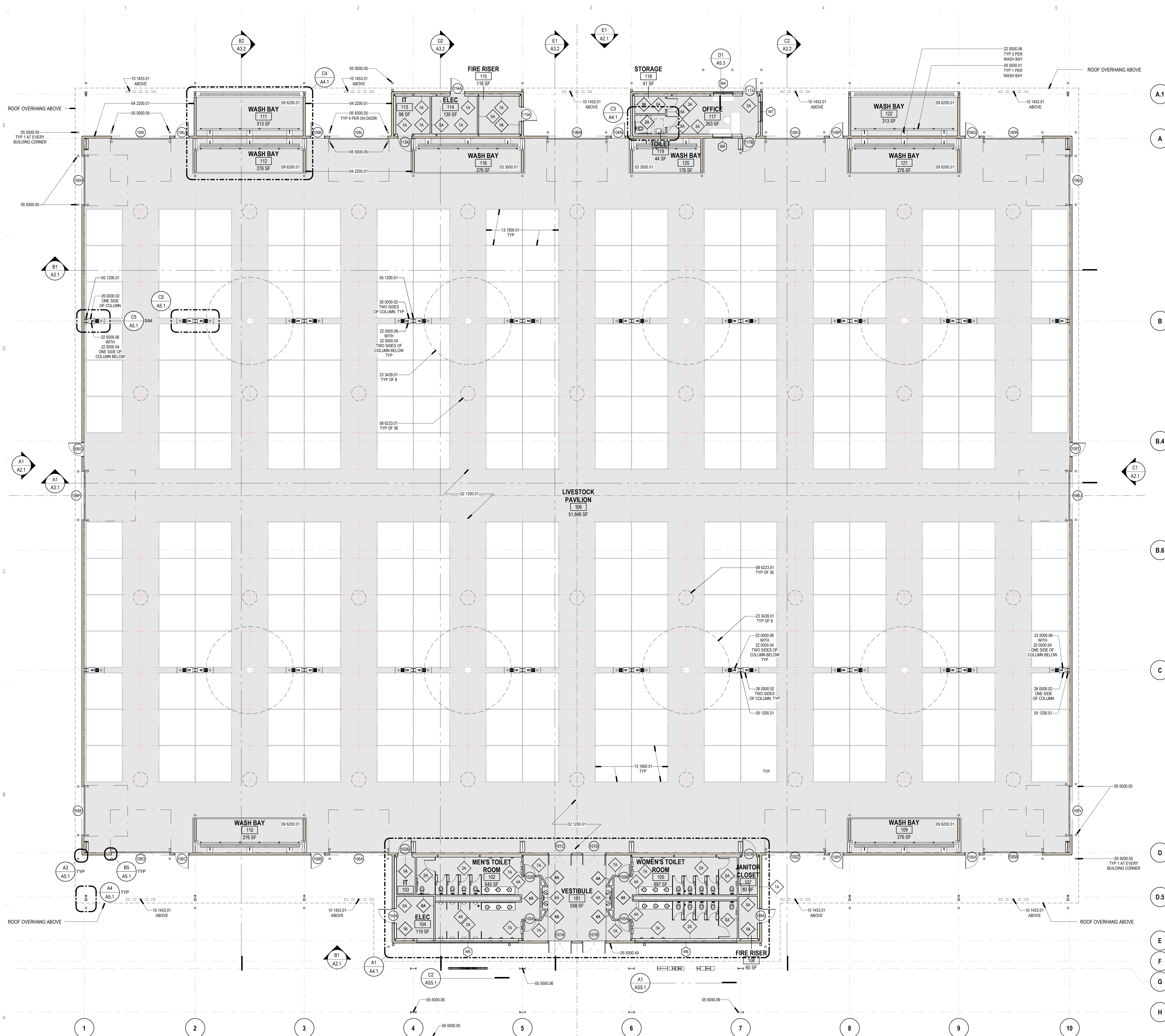
NOTES

DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

NORTH + SCALE

DRAWING NAME
FLOOR PLAN

A1.1



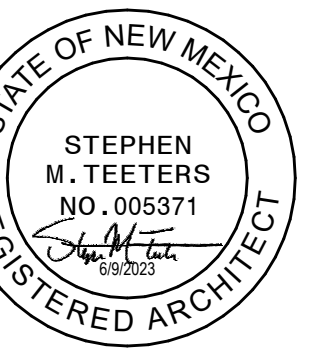
GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- B. ALL PLAN DIMENSIONS TO OPENINGS ARE TO THE ROUGH OPENING DIMENSION UNLESS NOTED OTHERWISE.
- C. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED.

REFERENCE KEYNOTES

- 10 1453.01 HOPE CLEARANCE BAR, TEXT TO READ "CLEARANCE 1'-6"

LEGEND



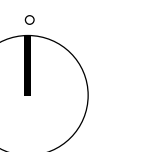
REVISIONS

NO.	DATE	DESCRIPTION

NOTES

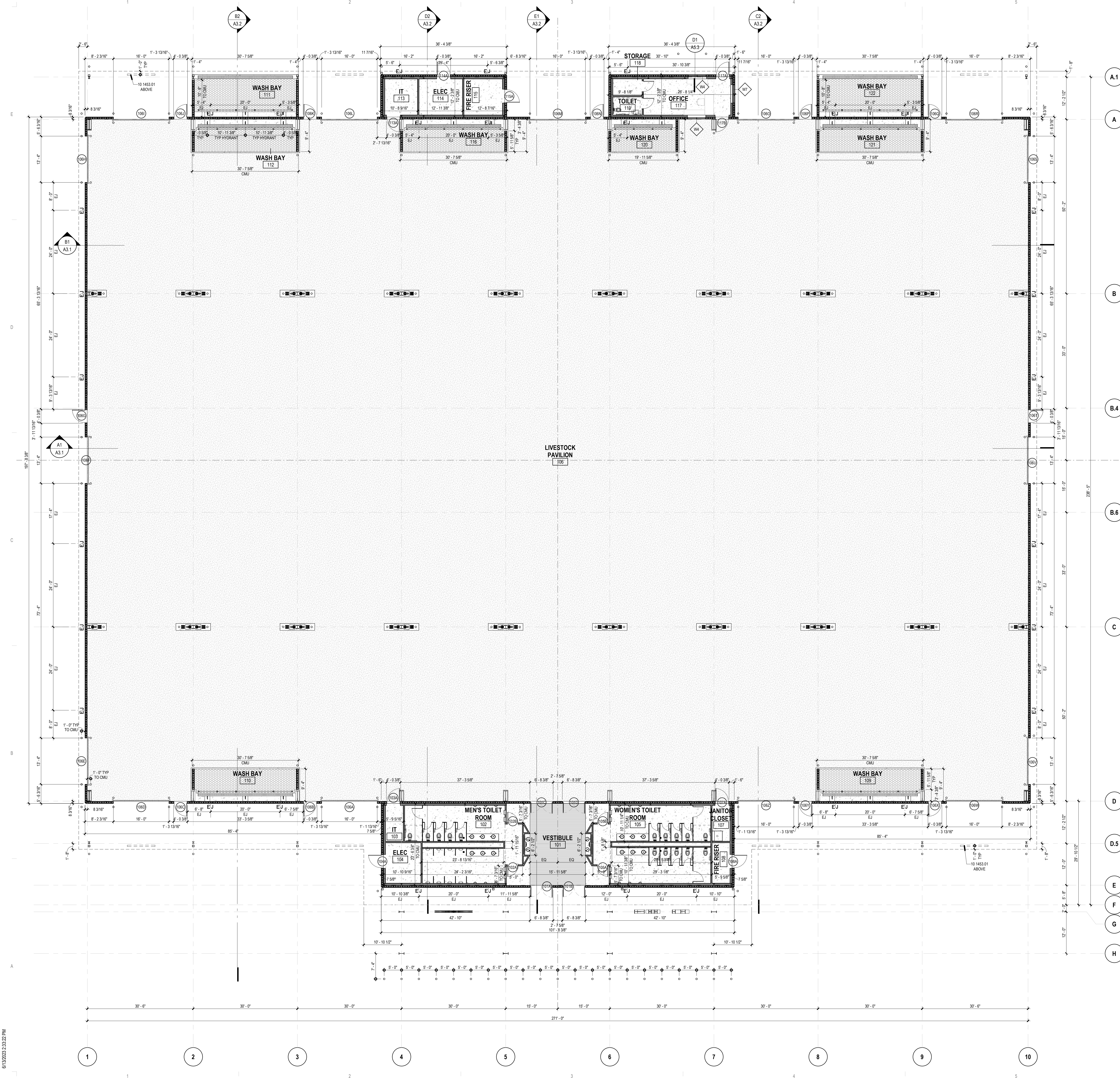
DRAWN BY	SS
REVIEWED BY	ST
DATE	6/9/2023
PROJECT NO.	#23-0003

NORTH + SCALE



DRAWING NAME
DIMENSION PLAN

A1.2



GENERAL SHEET NOTES

A. ALL PLAN DIMENSIONS ARE TO CONCRETE SLAB EDGE, FOUNDATION EDGE OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.

REFERENCE KEYNOTES

- 03 3000.01 CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 12 4813.01 ADA COMPLIANT ENTRANCE FLOOR MAT (EM-1), SEE FINISH SCHEDULE
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 32 1200.02 ASPHALT PAVING, SEE DETAILS



LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- TROWEL-ON RESILIENT RUBBER FLOOR
- ENTRANCE FLOOR MAT

REVISIONS

NO.	DATE	DESCRIPTION

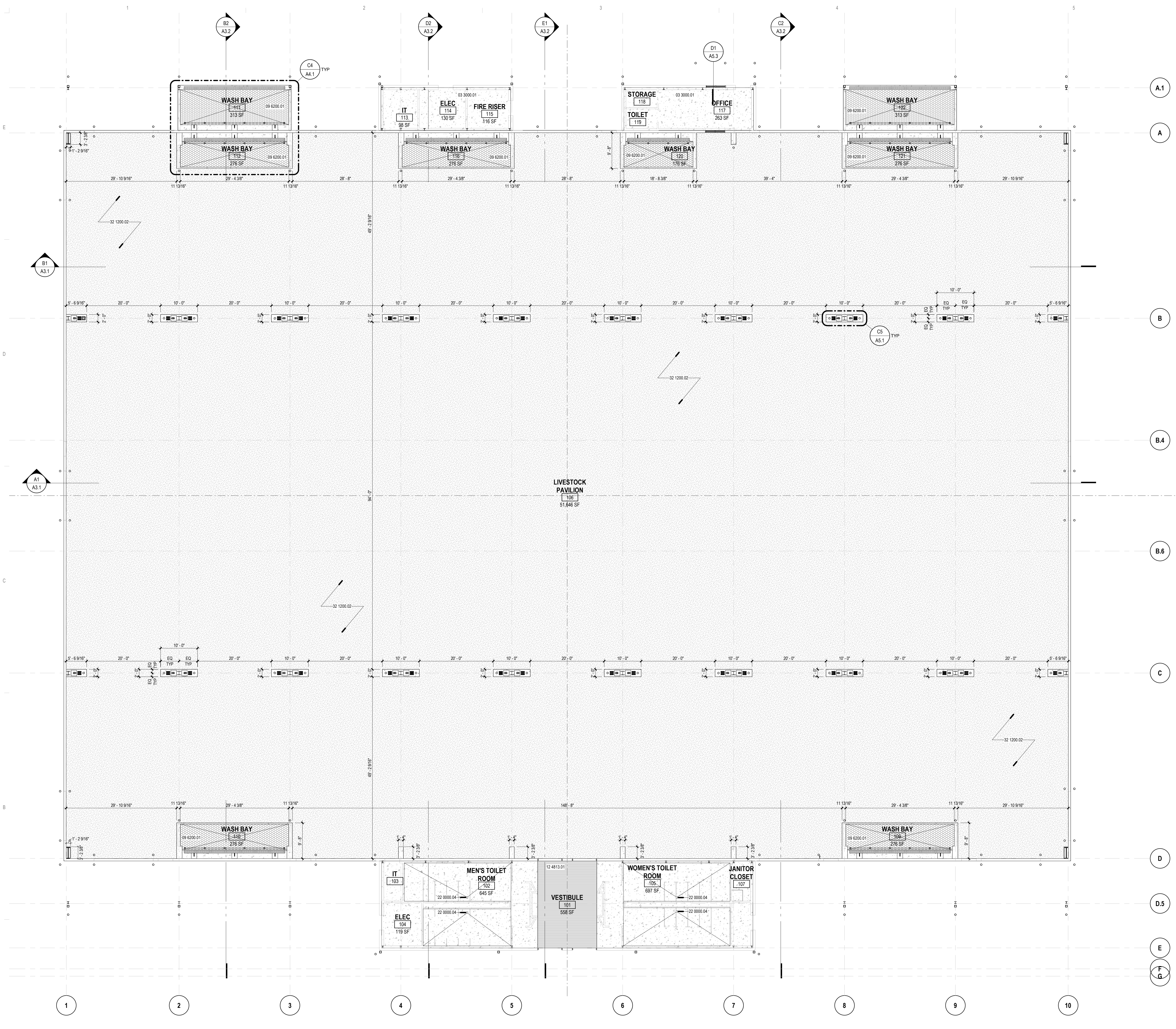
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
**SLAB EDGE
COORDINATION PLAN**

A1.3



GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- B. REFER TO MECHANICAL FOR SIZE AND TYPE OF MECHANICAL DIFFUSERS AND GRILLES.
- C. ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND ACCESS PANELS IN CEILINGS AND WALLS ARE TO BE FACTORY FINISHED, COORDINATE WITH SPEC.

REFERENCE KEYNOTES

- 05 1200.01 STEEL COLUMN, SEE STRUCTURAL
- 05 1200.02 STEEL BEAM, SEE STRUCTURAL
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 05 5000.15 STEEL AWNING
- 05 5000.40 SPIDERBOX MOUNTING SHELF, SEE DETAILS, PAINT
- 07 2100.05 VINYL FACED FIBERGLASS INSULATION, SIMPLE SAVER R-50
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 08 6223.01 21" TUBULAR SKYLIGHT, TYP.
- 09 5323.01 5 1/4" X 3/4" T&G WOOD CEILING
- 13 3419.12 METAL SOFFIT PANEL
- 13 3419.21 PENETRATION THROUGH BENT
- 23 3439.01 24" Ø DIAMETER HIGH-VOLUME, LOW SPEED PROPELLER FAN
- 26 0000.01 LIGHT FIXTURE, SEE ELECTRICAL
- 27 0000.01 CABLE TRAY, COORDINATE LOCATION, SEE TECHNOLOGY

LEGEND

KEY PLAN



REVISIONS

NO.	DATE	DESCRIPTION

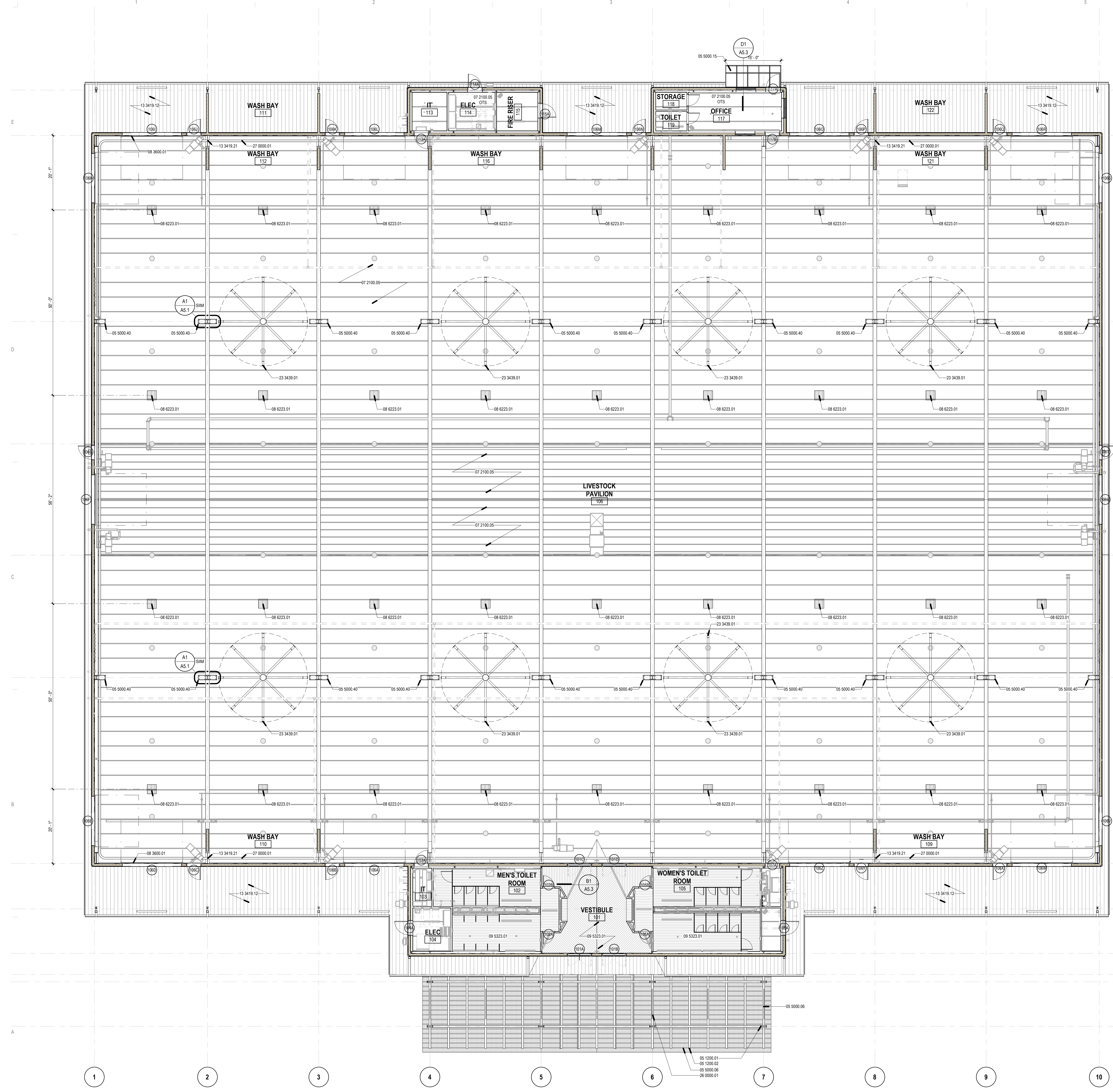
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
REFLECTED CEILING PLAN

A1.4



A1 LEVEL 1 CEILING PLAN
3/32" = 1'-0"

6/13/2023 2:33:30 PM

GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- B. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- C. FOR PLUMBING VENT PIPE PENETRATION DETAIL, REFER TO PEMB MANUFACTURER
- D. FOR SADDLE FLASHING DETAIL, REFER TO PEMB MANUFACTURER
- E. CONTRACTOR TO COORDINATE HEIGHT OF SCUPPER AT ALL DOWNSPOUT LEADER BOXES TO ALLOW POSITIVE DRAINAGE.
- F. FOR EQUIPMENT CURB DETAIL, REFER TO PEMB MANUFACTURER
- G. CRICKET PANEL SLOPE TO MATCH ROOF SLOPE.
- H. APPLY SELF-ADHERED FLEXIBLE FLASHING TO TOP OF ALL PARAPETS, LAP BOTH SIDES.

REFERENCE KEYNOTES

- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 05 5000.15 STEEL AWNING
- 07 6113.01 STANDING SEAM ROOF PANEL
- 08 6223.01 21" TUBULAR SKYLIGHT, TYP.
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM

LEGEND

KEY PLAN



REVISIONS

NO.	DATE	DESCRIPTION

NOTES

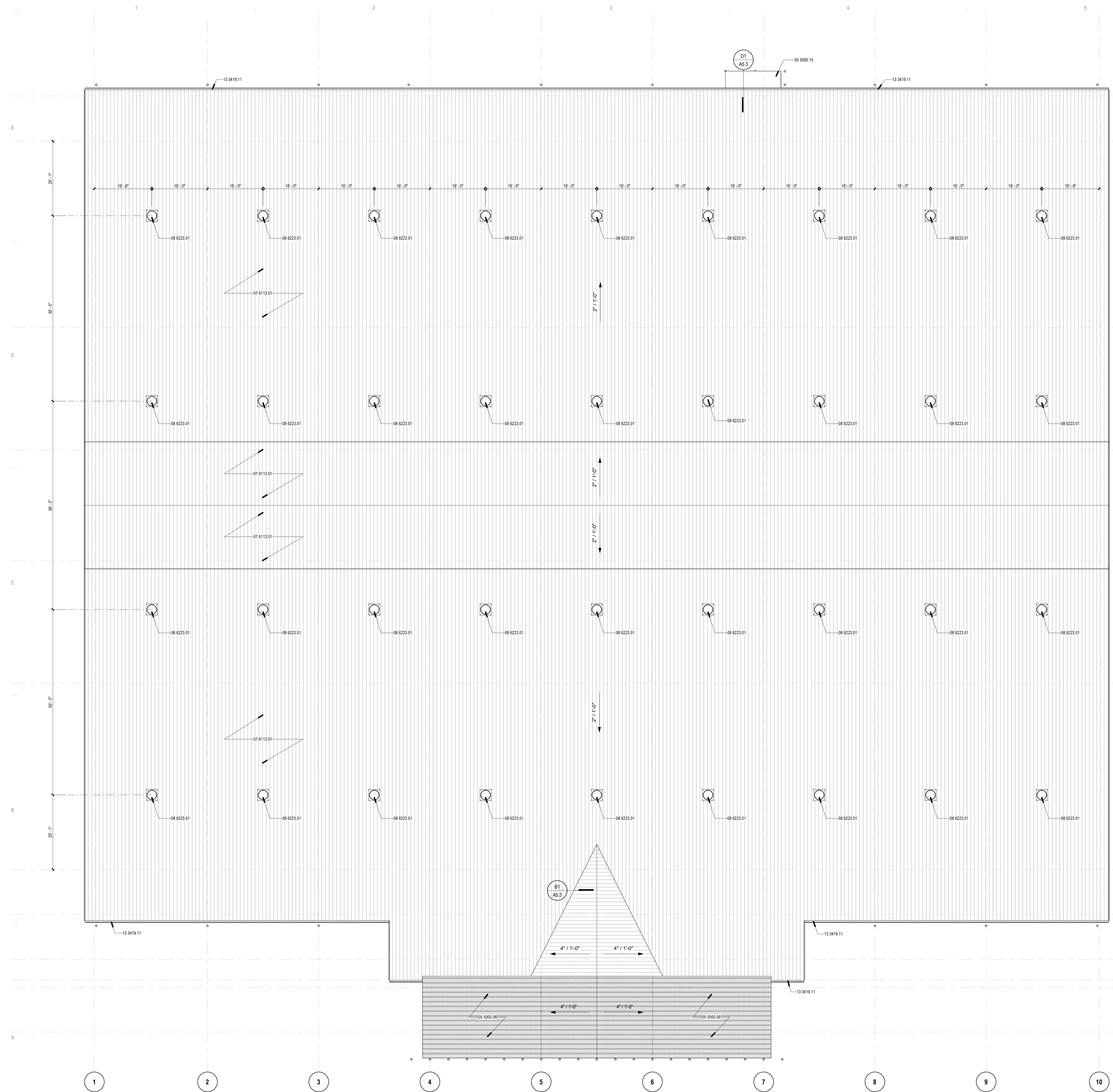
DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

NORTH + SCALE

DRAWING NAME

ROOF PLAN

A1.5



A1 ROOF PLAN
3/32" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 04 2200.01 CONCRETE MASONRY (CMU), (W/H/L) 8"x8"x16" NOMINAL, STACK BOND
- 05 1200.01 STEEL COLUMN, SEE STRUCTURAL
- 05 1200.02 STEEL BEAM, SEE STRUCTURAL
- 05 5000.01 ANIMAL TIE-RAIL, SEE DETAILS
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 05 5000.37 CUSTOM FAB STEEL LETTERS, SEE DETAILS
- 05 5000.38 RELOCATED BUILDING LETTERS
- 05 5000.49 KNOX BOX
- 07 4213.01 STEEL WALL PANEL, COLOR: BARN RED
- 07 6113.01 STANDING SEAM ROOF PANEL
- 08 1113.01 HOLLOW METAL DOOR AND FRAME
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 6223.01 2" TUBULAR SKYLIGHT, TYP
- 09 9123.01 PAINTED CURRY COUNTY LOGO, COLOR: WHITE
- 09 9123.07 RAMP RAILING TO RECEIVE PAINT FINISH IN COLOR TBD, REFER TO CIVIL
- 10 1400.04 8" BUILDING ADDRESS LETTERS
- 10 1453.01 HDPE CLEARANCE BAR, TEXT TO READ "CLEARANCE 11'-6"
- 13 3419.09 STANDING SEAM METAL ROOF PANEL
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING
- 23 0000.04 EXHAUST VENT, SEE MECHANICAL
- 23 0000.07 DRAINABLE BLADE LOUVER WITH BIRD SCREEN
- 26 0000.01 LIGHT FIXTURE, SEE ELECTRICAL

LEGEND



REVISIONS



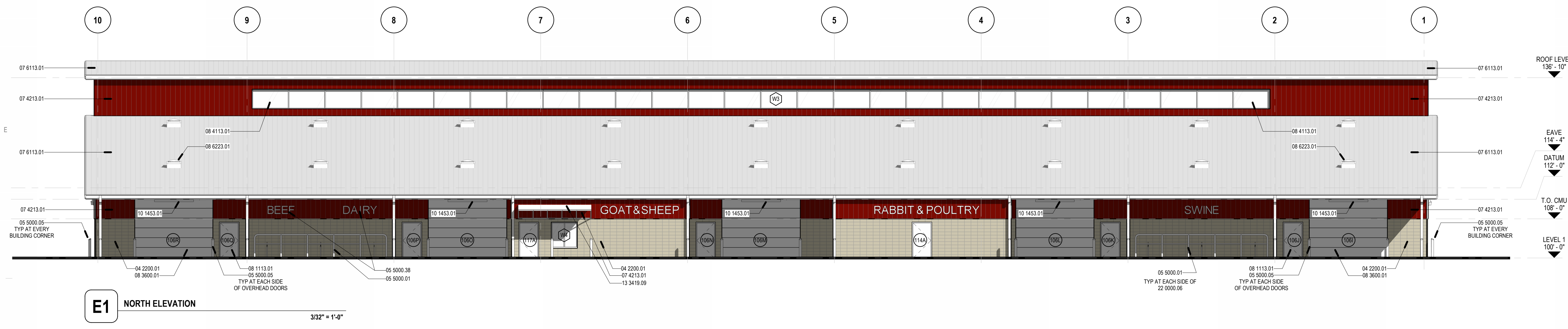
NOTES

DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

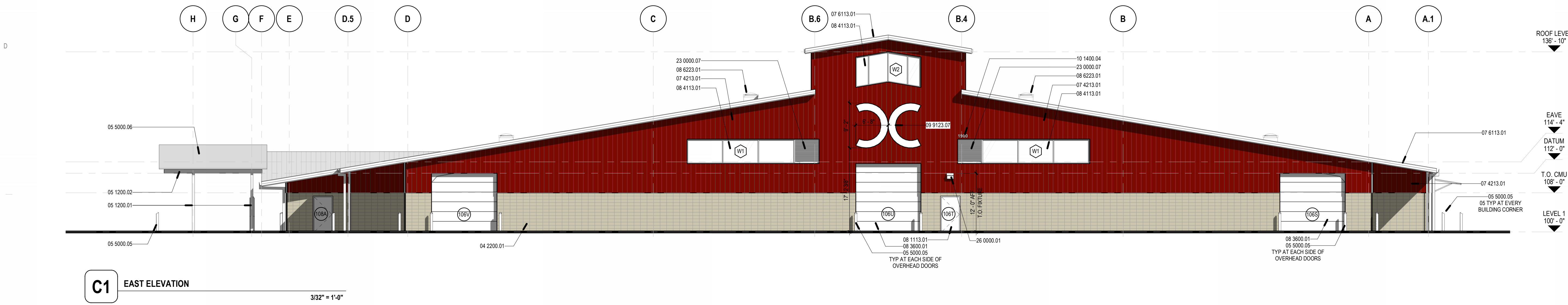
NORTH + SCALE

DRAWING NAME
EXTERIOR ELEVATIONS

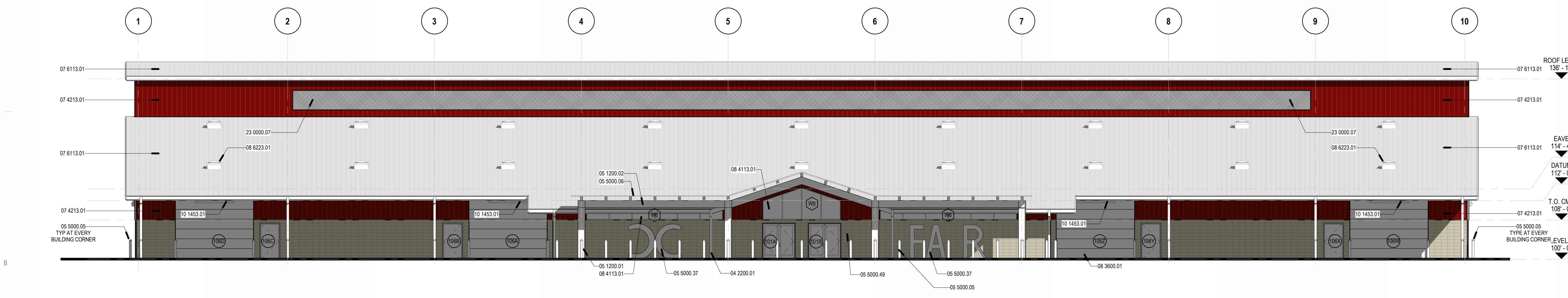
A2.1



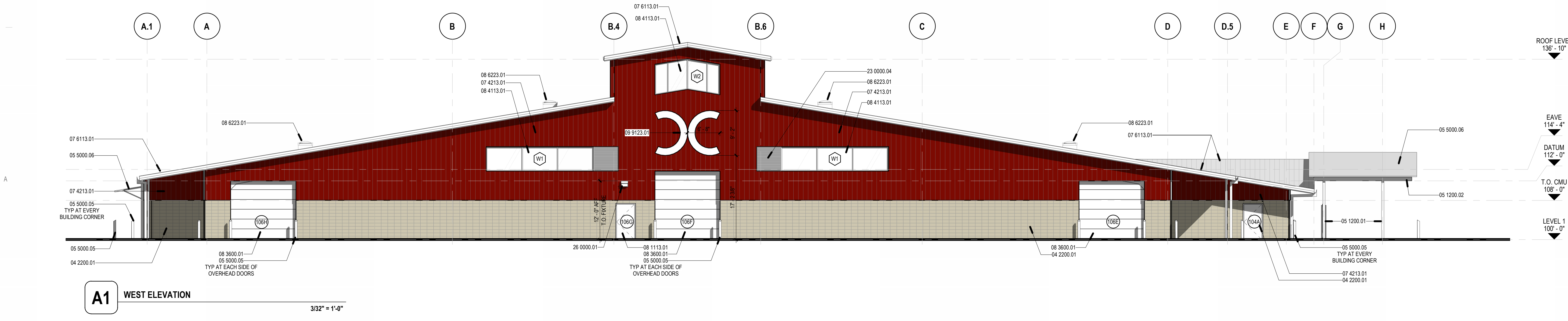
E1 NORTH ELEVATION
3/32" = 1'-0"



C1 EAST ELEVATION
3/32" = 1'-0"

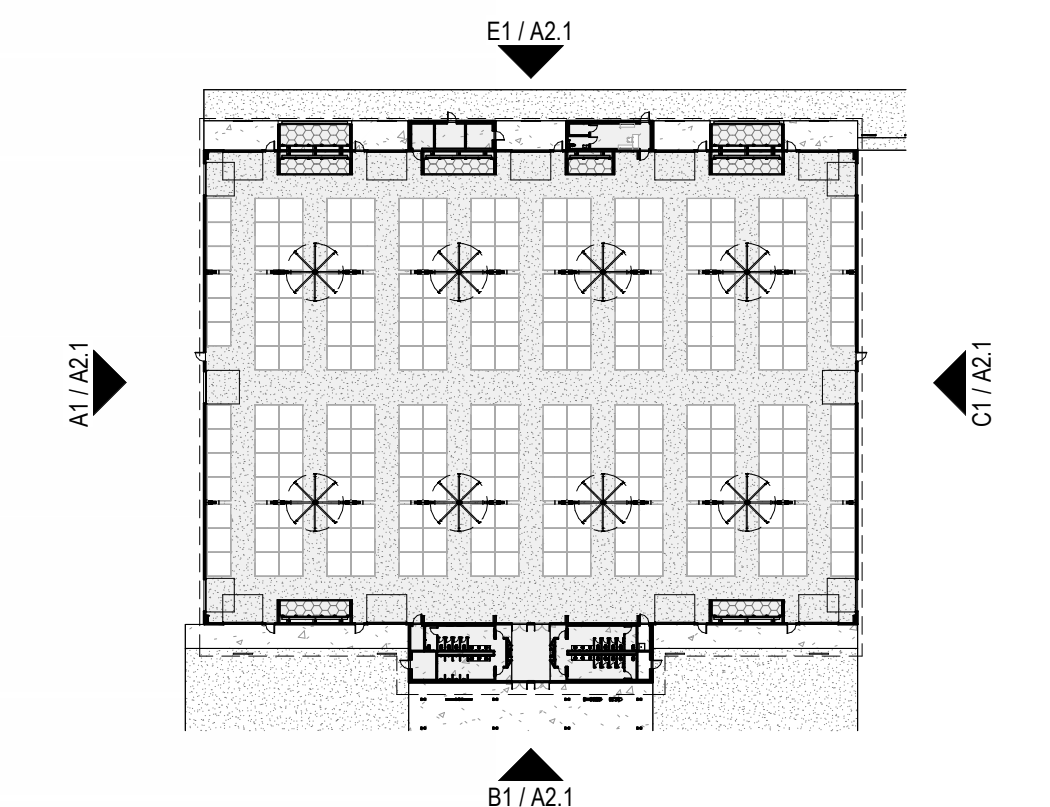


B1 SOUTH ELEVATION
3/32" = 1'-0"



A1 WEST ELEVATION
3/32" = 1'-0"

KEY PLAN



GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD. OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- B. REFERENCE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- C. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES.
- D. REFERENCE G1.2 FOR TYPICAL MOUNTING HEIGHTS.
- E. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO.

REFERENCE KEYNOTES

- 10 2113.02 TOILET PARTITION
- 22 0000.01 WATER CLOSET, SEE PLUMBING
- 22 0000.02 DRAWING FOUNTAIN, SEE PLUMBING
- 22 0000.08 BOTTLE FILLER, SEE PLUMBING
- 22 0000.09 URINAL, SEE PLUMBING

10 2813 - TOILET ACCESSORIES

- SEE TYP. MOUNTING HEIGHTS - ACCESSIBILITY DIMENSIONS FOR MOUNTING INFORMATION
- 01 HAND SOAP DISPENSER, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 02 RECESSED WASTE RECEPTACLE, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 03 BABY CHANGING STATION, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 04 18" X 36" ANGLE FRAME MIRROR, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 05 TOILET PAPER DISPENSER, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 06 36" LONG STRAIGHT GRAB BAR
 - 07 42" LONG STRAIGHT GRAB BAR
 - 08 18" LONG STRAIGHT GRAB BAR
 - 09 HAND DRYER
 - 10 SANITARY NAPKIN DISPOSAL UNIT
 - 11 HAND SOAP DISPENSER, WALL MOUNT, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION, B.O.D. BOBRICK B-2111 OR APPROVED EQUAL
 - 13 ADA COMPLIANT PIPE INSULATIVE COVER TYP ALL EXPOSED P-TRAPS & SUPPLY PIPING

LEGEND

- XX MATERIAL CALLOUT - SEE FINISH LEGEND



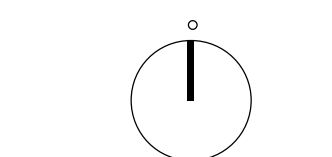
REVISIONS

NO.	DATE	DESCRIPTION

NOTES

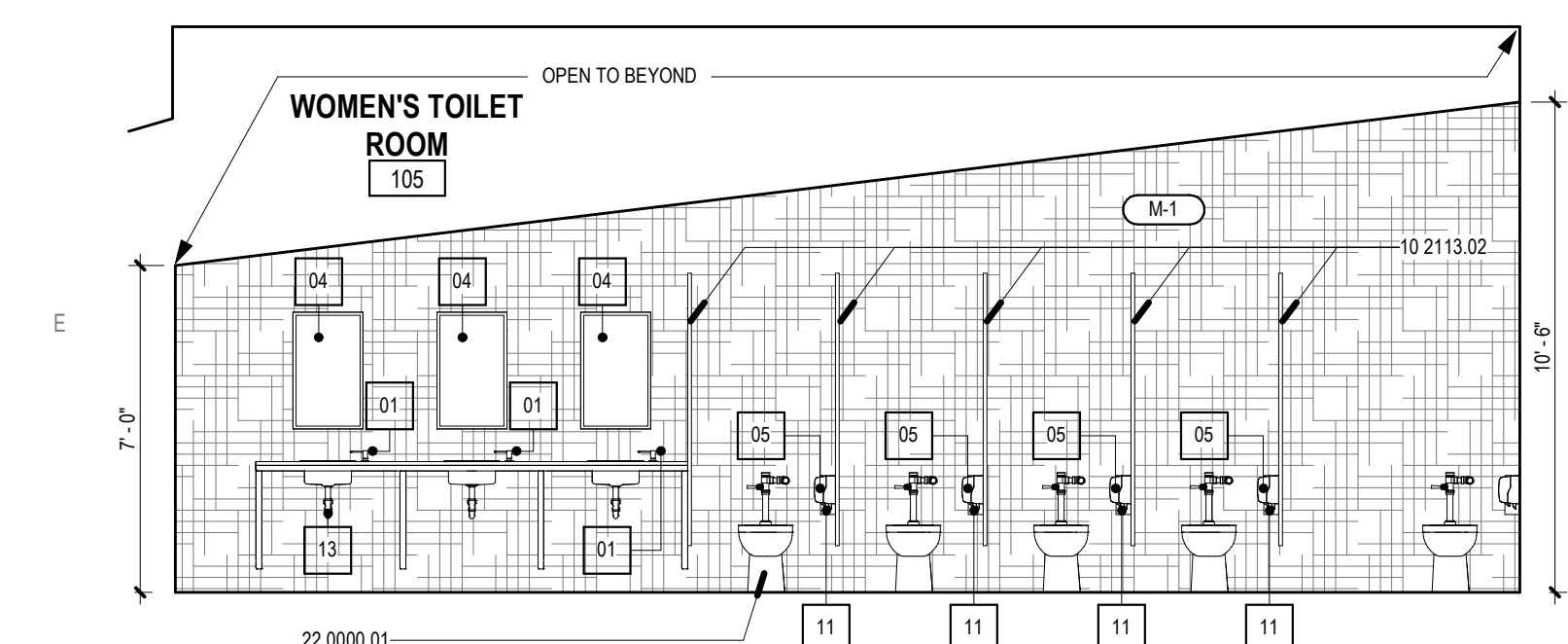
DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

NORTH + SCALE

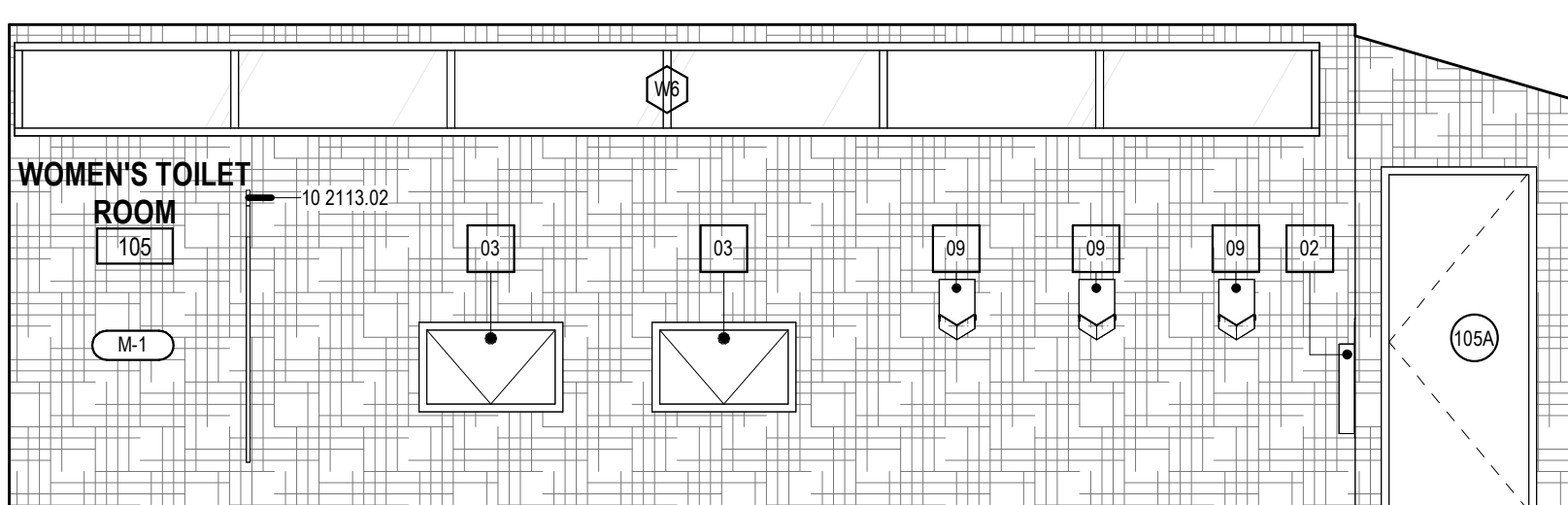


DRAWING NAME
INTERIOR ELEVATIONS

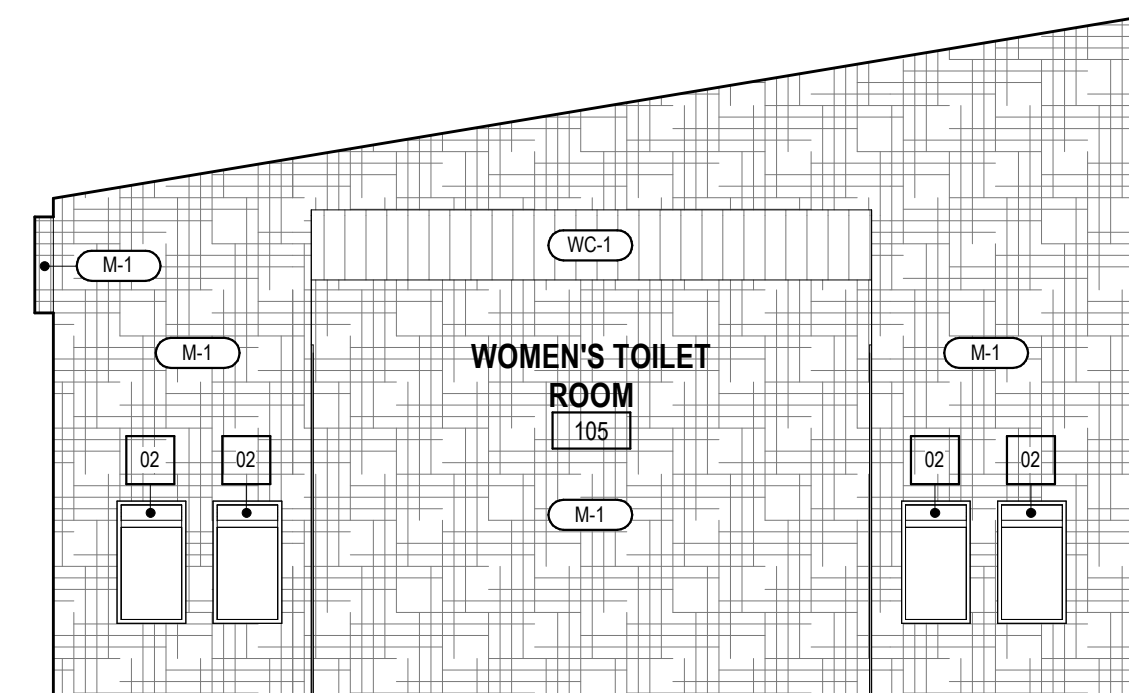
A2.2



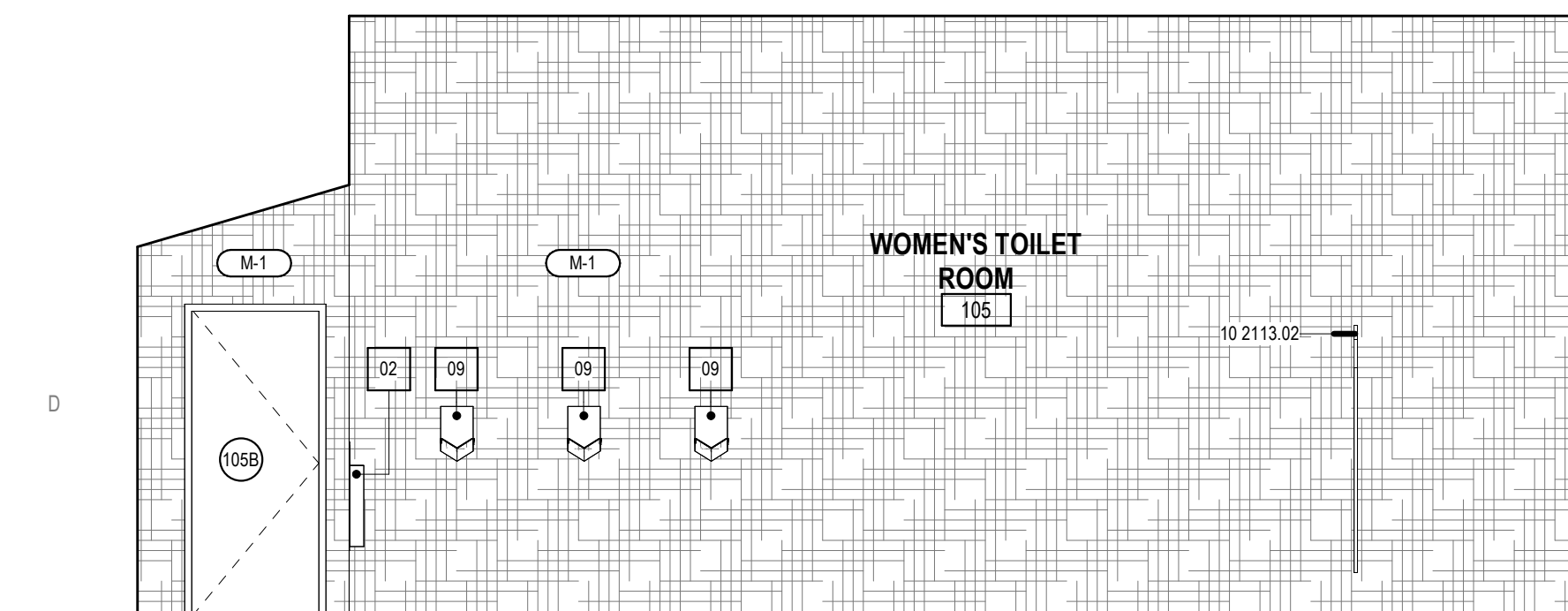
E1 INTERIOR ELEVATION
1/4" = 1'-0"



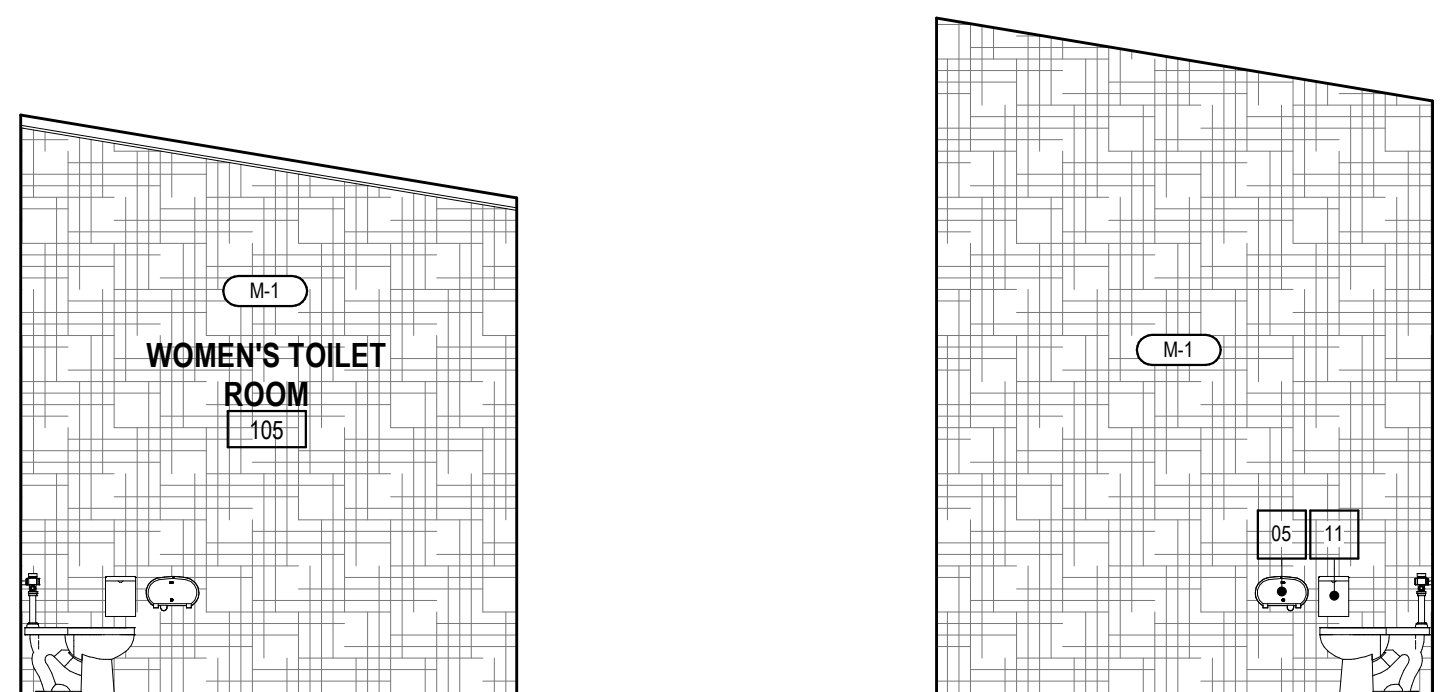
E2 INTERIOR ELEVATION
1/4" = 1'-0"



E4 INTERIOR ELEVATION
1/4" = 1'-0"

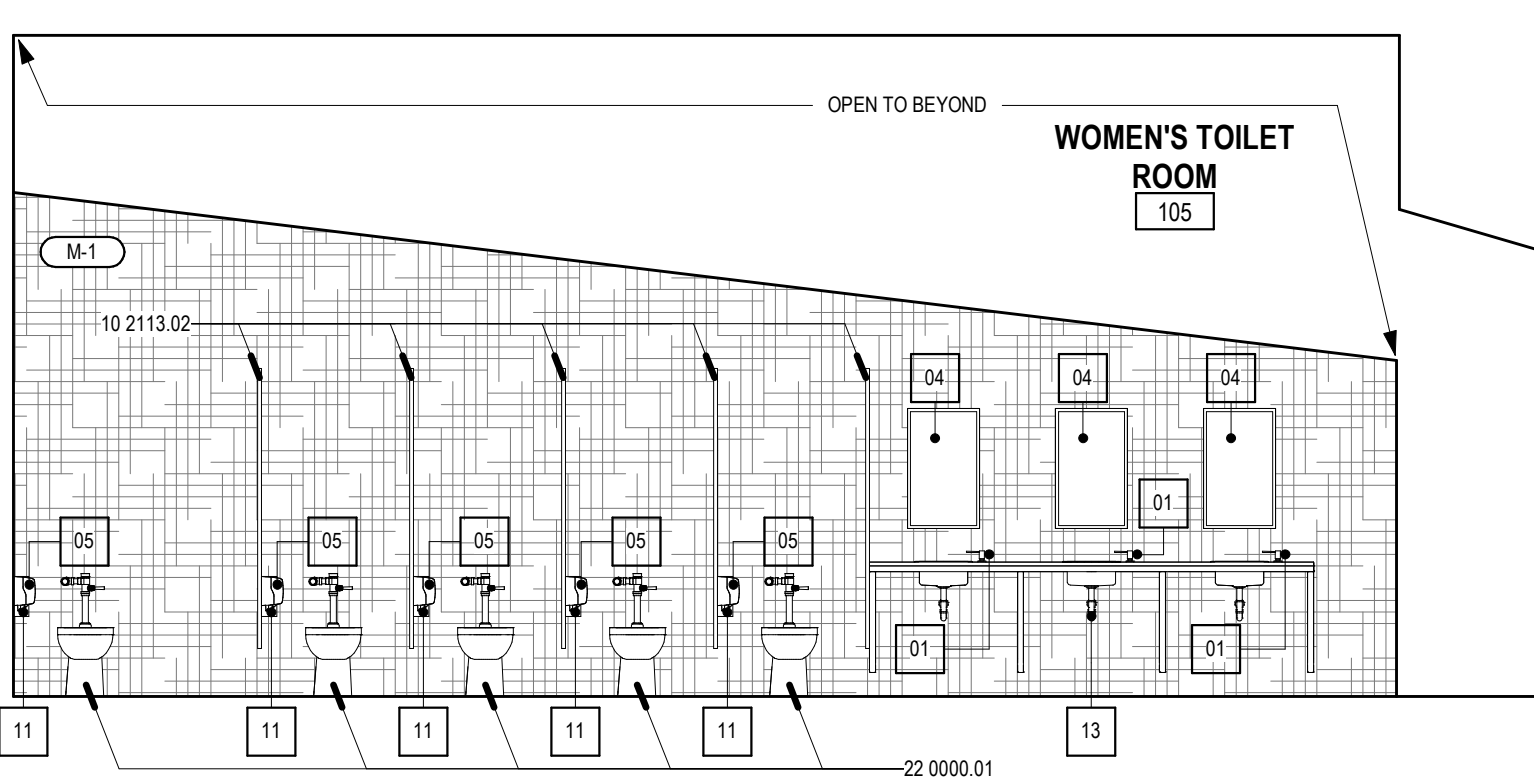


D1 INTERIOR ELEVATION
1/4" = 1'-0"

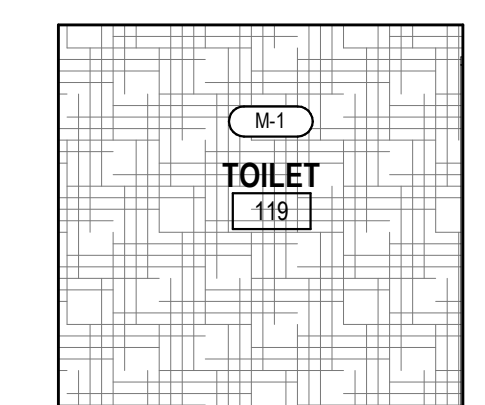


D2 INTERIOR ELEVATION
1/4" = 1'-0"

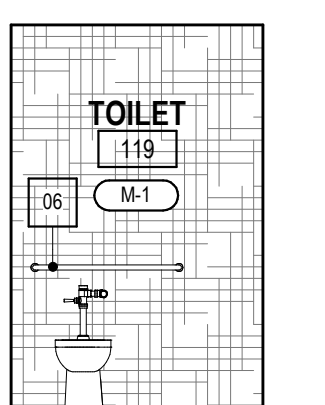
D3 INTERIOR ELEVATION
1/4" = 1'-0"



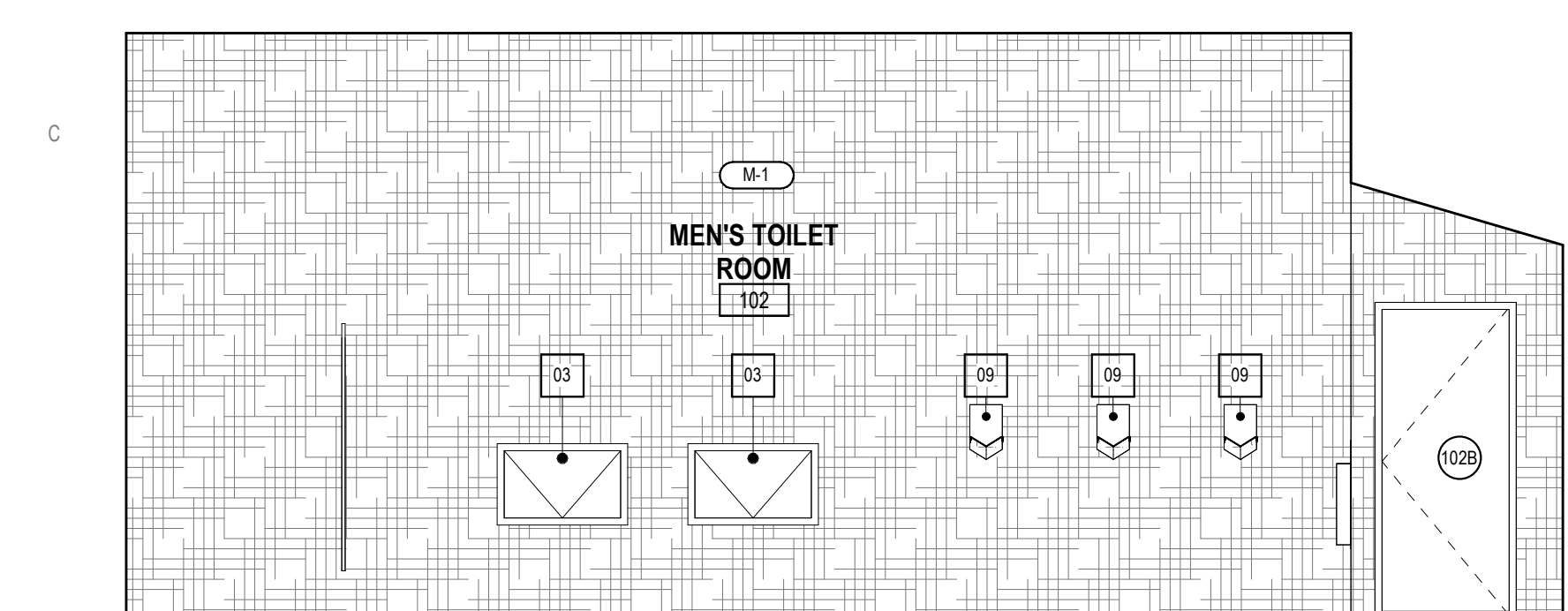
D4 INTERIOR ELEVATION
1/4" = 1'-0"



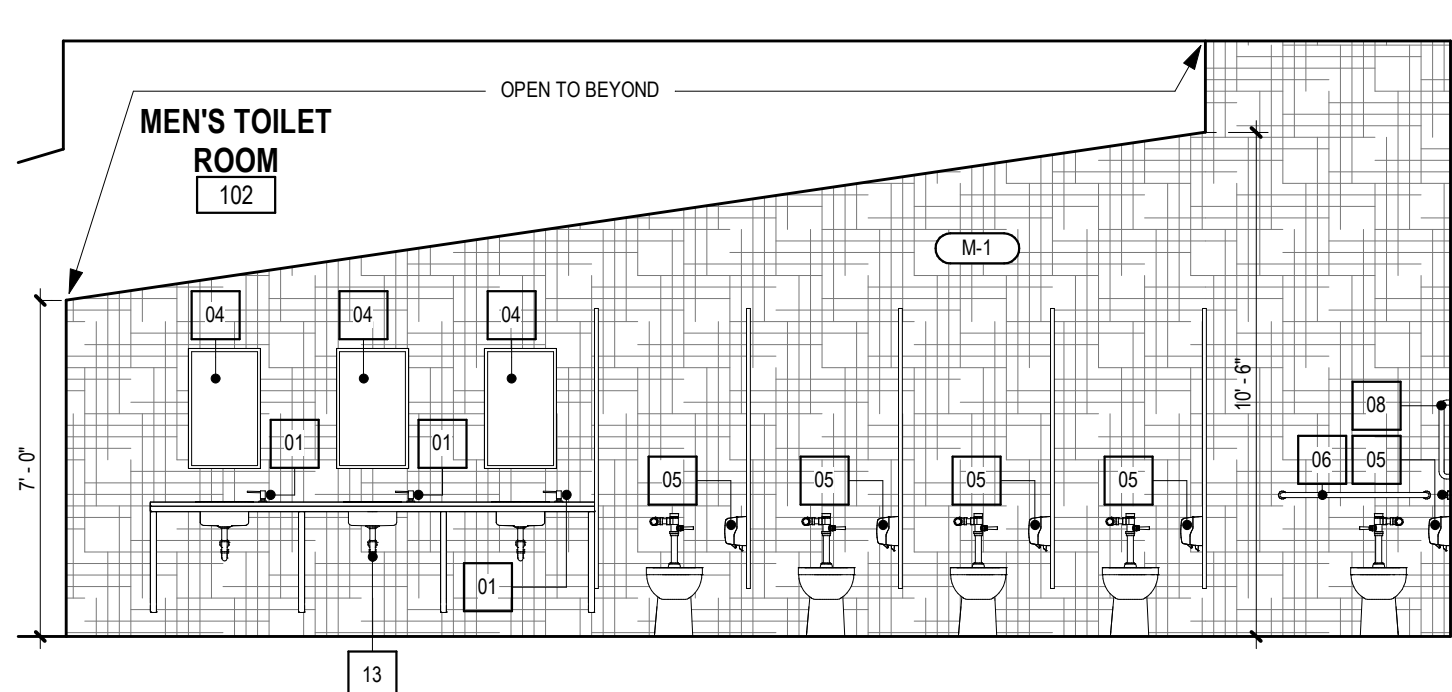
D5 INTERIOR ELEVATION
1/4" = 1'-0"



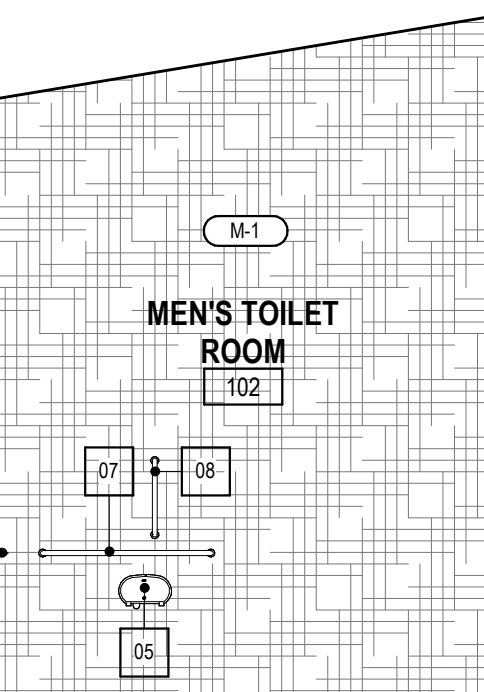
D6 INTERIOR ELEVATION
1/4" = 1'-0"



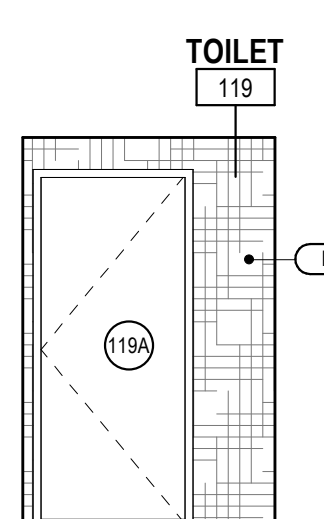
C1 INTERIOR ELEVATION
1/4" = 1'-0"



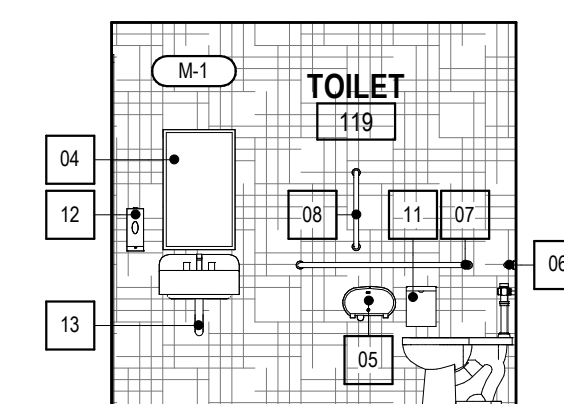
C2 INTERIOR ELEVATION
1/4" = 1'-0"



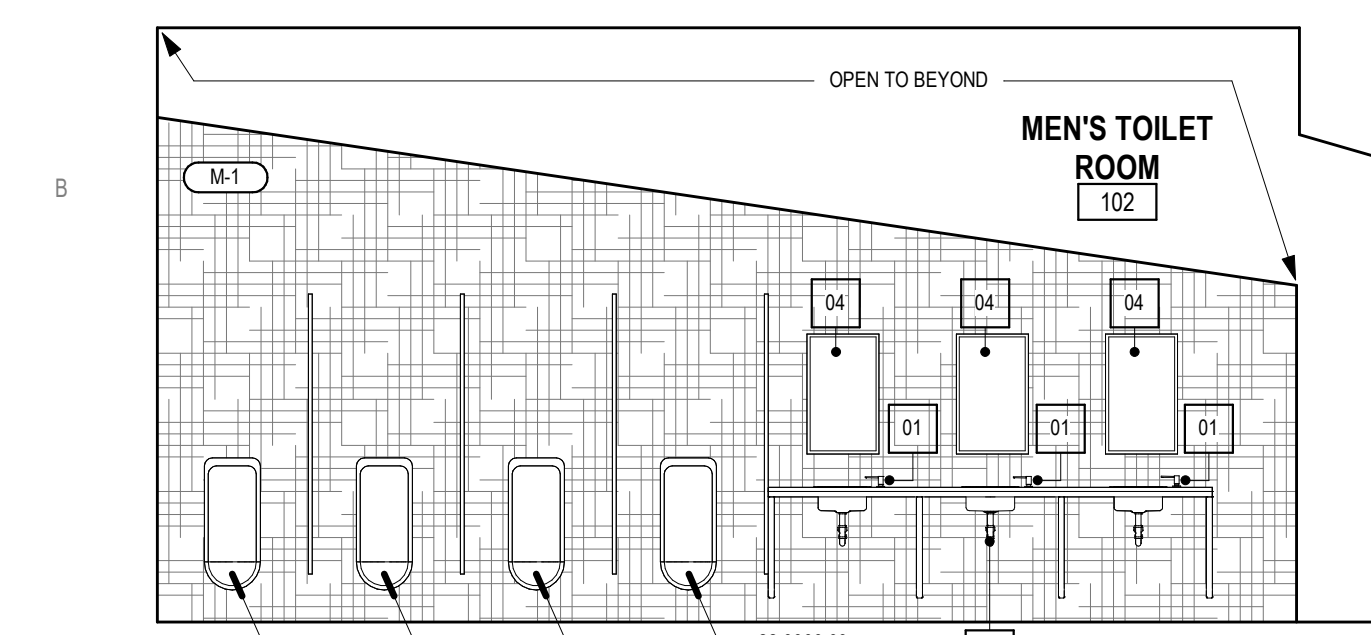
C3 INTERIOR ELEVATION
1/4" = 1'-0"



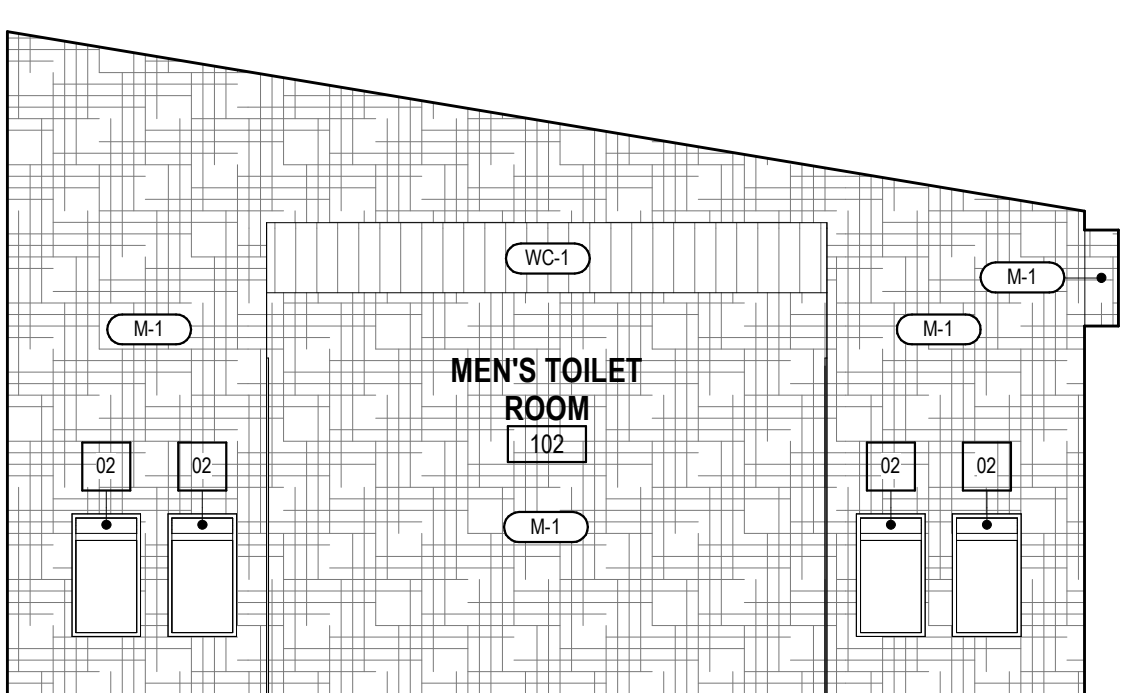
C4 INTERIOR ELEVATION
1/4" = 1'-0"



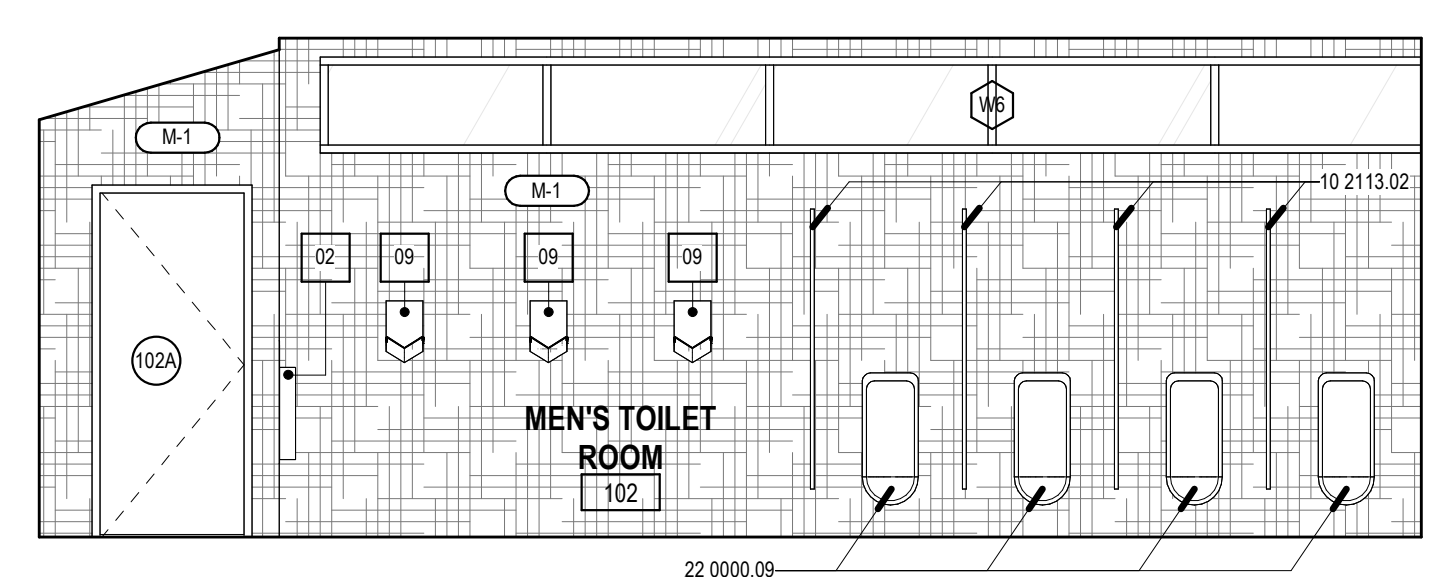
C5 INTERIOR ELEVATION
1/4" = 1'-0"



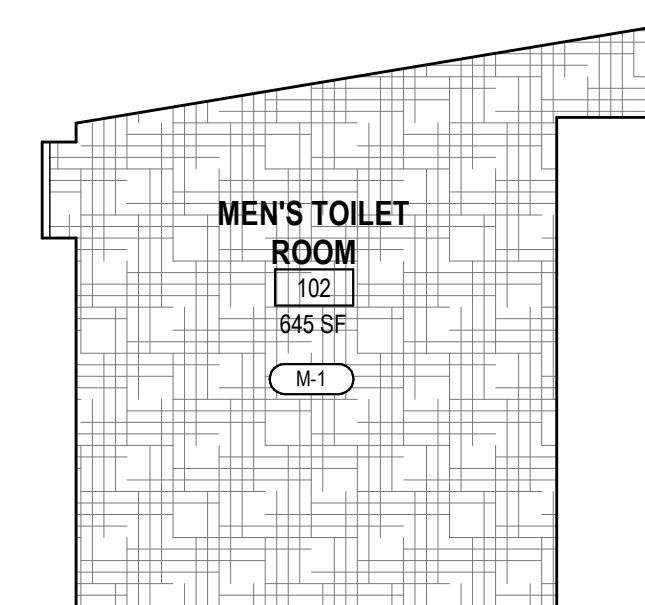
B1 INTERIOR ELEVATION
1/4" = 1'-0"



B2 INTERIOR ELEVATION
1/4" = 1'-0"



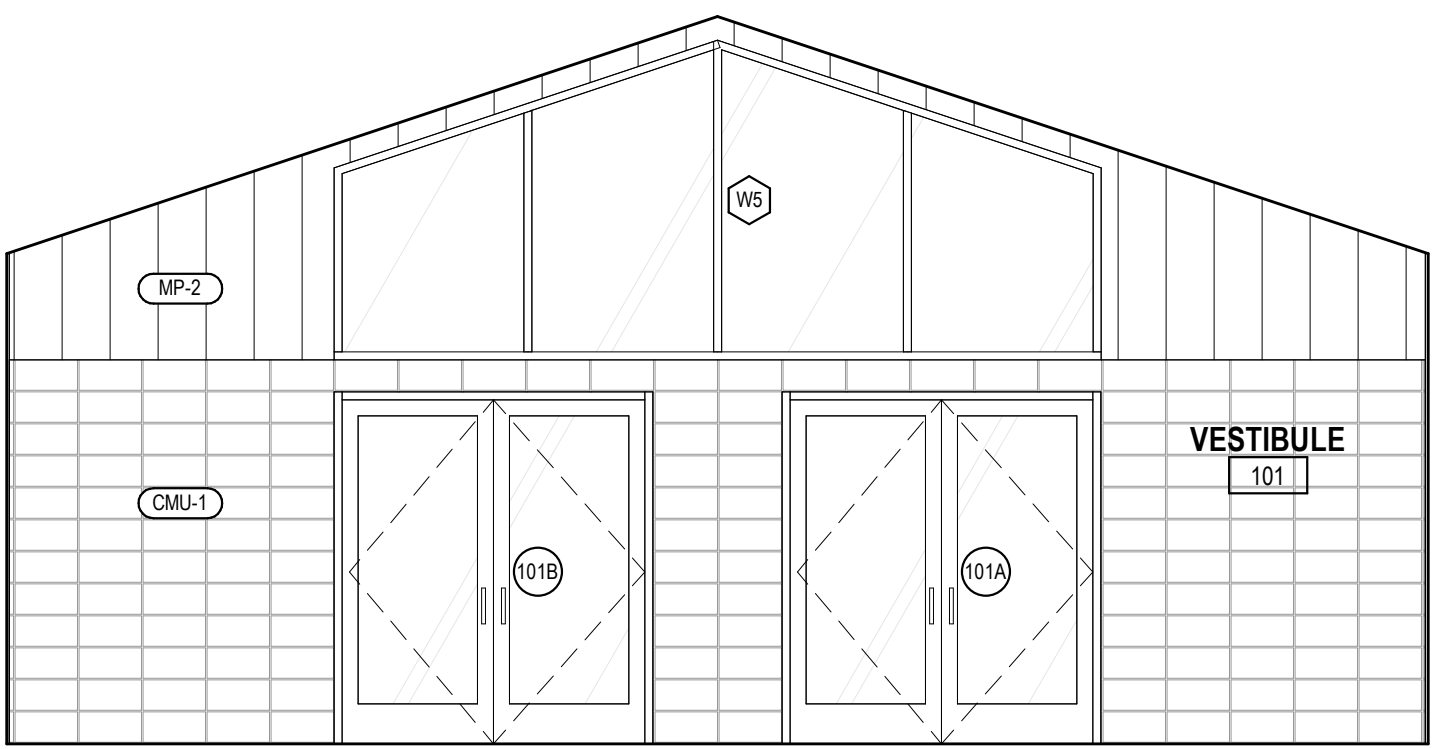
B4 INTERIOR ELEVATION
1/4" = 1'-0"



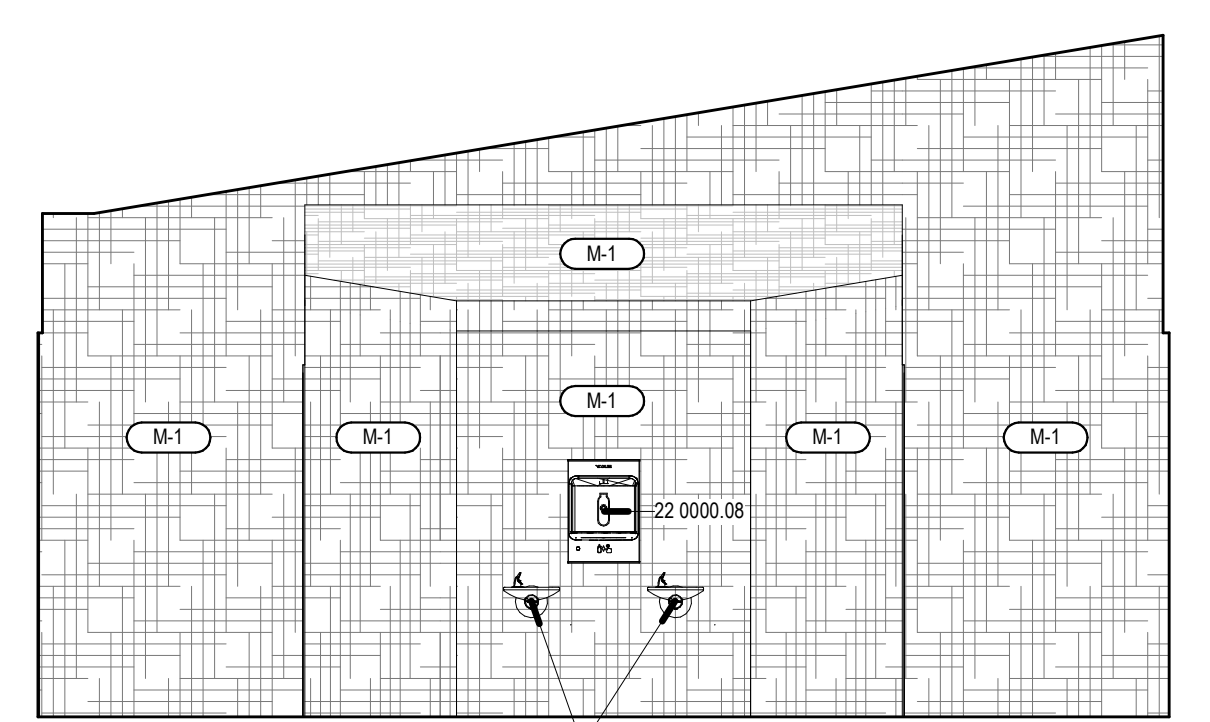
B5 INTERIOR ELEVATION
1/4" = 1'-0"



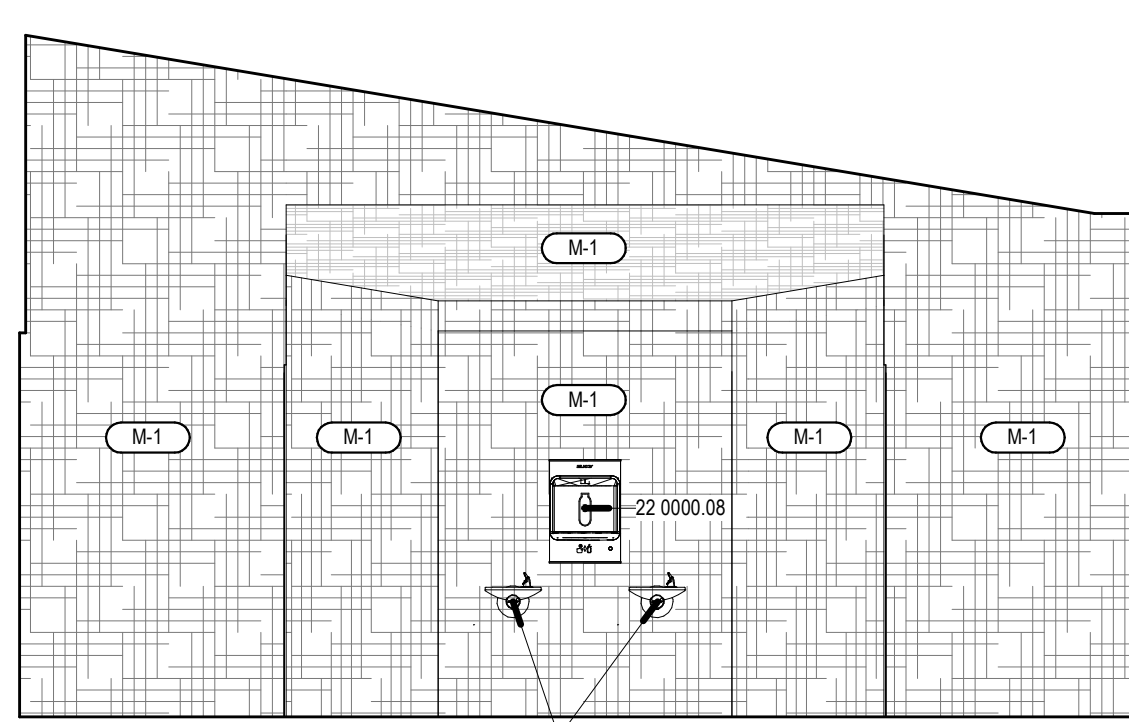
A1 INTERIOR ELEVATION
1/4" = 1'-0"



A2 INTERIOR ELEVATION
1/4" = 1'-0"



A4 INTERIOR ELEVATION
1/4" = 1'-0"



A5 INTERIOR ELEVATION
1/4" = 1'-0"

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100' - 0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE G102 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

REFERENCE KEYNOTES

- 04 2200.01 CONCRETE MASONRY (CMU), (W/H/L) 8"x8"x16" NOMINAL, STACK BOND
- 05 5000.01 ANIMAL TIE-RAIL, SEE DETAILS
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 07 2100.05 VINYL FACED FIBERGLASS INSULATION, SIMPLE SAVER R-50
- 07 4213.01 STEEL WALL PANEL, COLOR: BARN RED
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 6223.01 21" TUBULAR SKYLIGHT, TYP.
- 13 3419.01 METAL BUILDING RIGID FRAME
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING
- 23 3439.01 24" DIAMETER HIGH-VOLUME, LOW-SPEED PROPELLER FAN
- 27 0000.01 CABLE TRAY, COORDINATE LOCATION, SEE TECHNOLOGY

LEGEND

KEY PLAN



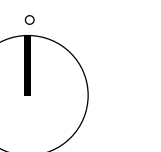
REVISIONS

NO.	DESCRIPTION

NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

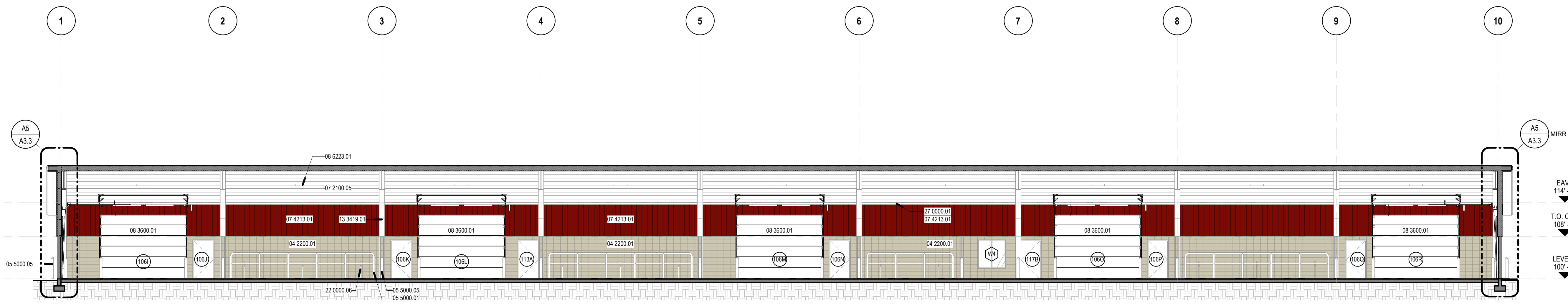


DRAWING NAME

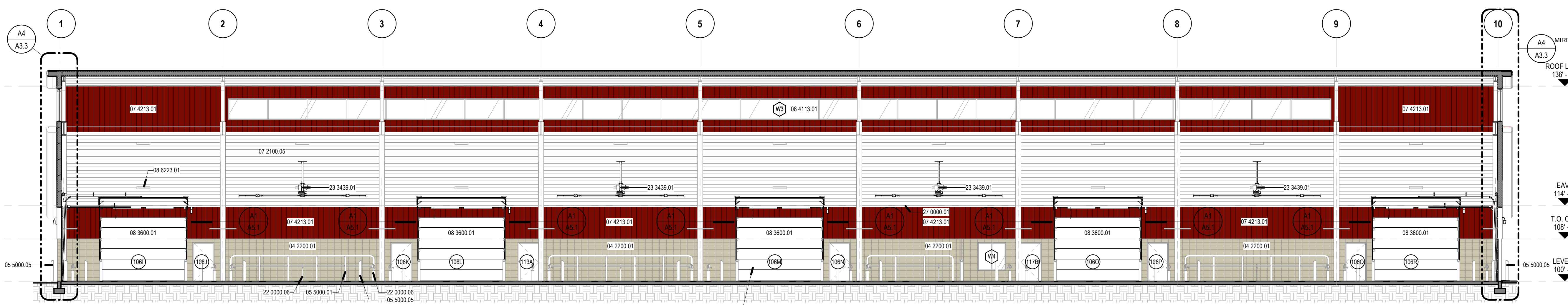
BUILDING SECTIONS

A3.1

E
D
C
B
A



B1 BUILDING SECTION
332' x 1'-0"



A1 BUILDING SECTION
332' x 1'-0"

GENERAL SHEET NOTES

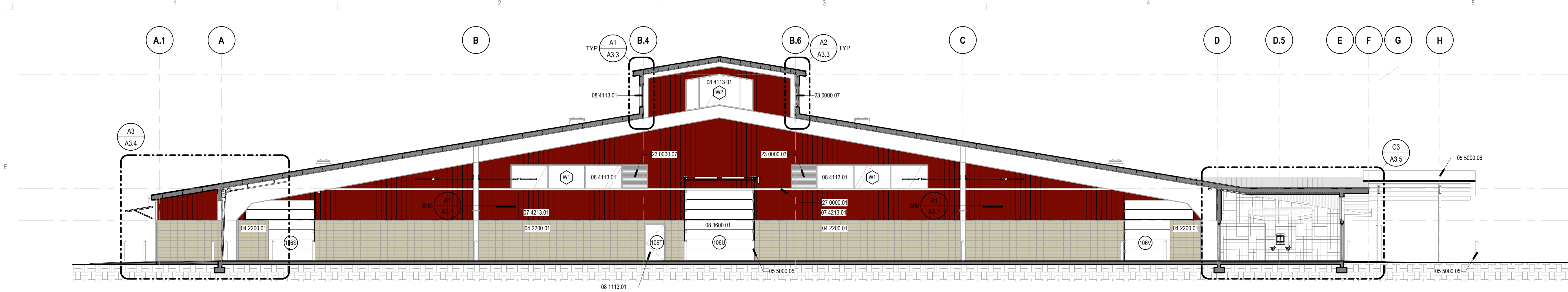
- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE
- C. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE 5102 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

REFERENCE KEYNOTES

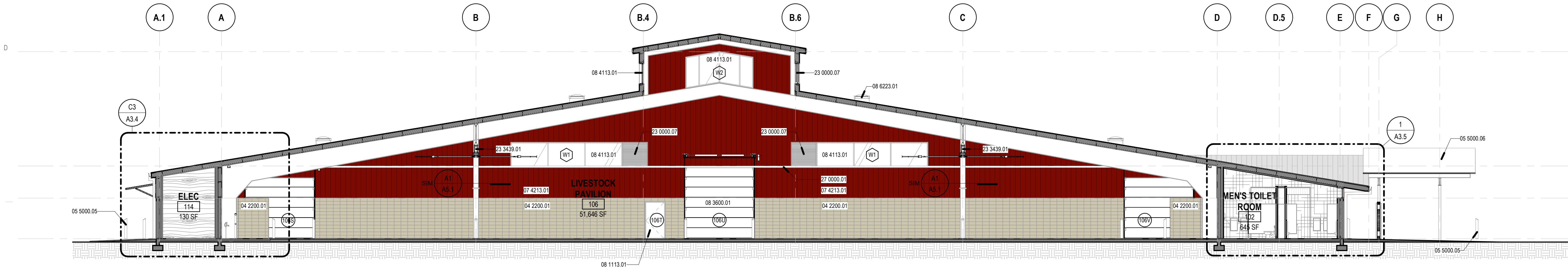
- 04 2200.01 CONCRETE MASONRY (CMU), (W/H/L) 8"x8"x16" NOMINAL, STACK BOND
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 07 4213.01 STEEL WALL PANEL, COLOR: BARN RED
- 08 1113.01 HOLLOW METAL DOOR AND FRAME
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 6223.01 21" TUBULAR SKYLIGHT, TYP.
- 23 0000.07 DRAINABLE BLADE LOUVER WITH BIRD SCREEN
- 23 3439.01 24"-Ø DIAMETER HIGH-VOLUME, LOW SPEED PROPELLER FAN
- 27 0000.01 CABLE TRAY, COORDINATE LOCATION, SEE TECHNOLOGY

LEGEND

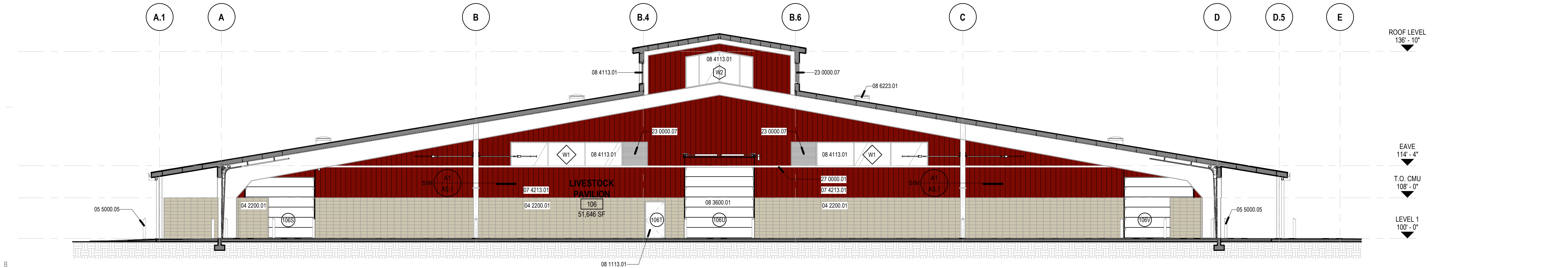
KEY PLAN



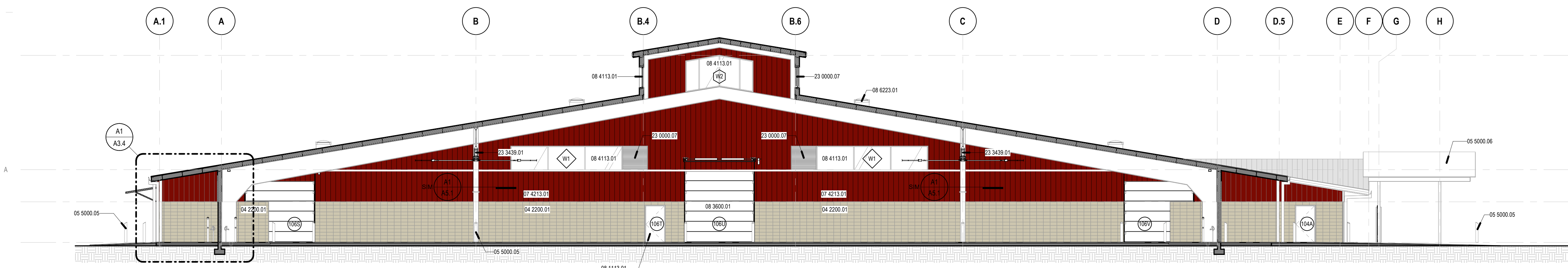
E1 BUILDING SECTION
3/32" = 1'-0"



D2 BUILDING SECTION
3/32" = 1'-0"



C2 BUILDING SECTION
3/32" = 1'-0"



B2 BUILDING SECTION
3/32" = 1'-0"

REVISIONS

NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
BUILDING SECTIONS

6/12/2023 2:33:35 PM

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100' - 0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. REFERENCE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE G1.2 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

REFERENCE KEYNOTES

- 04 2200.01 CONCRETE MASONRY (CMU), (W/H/L) 8"x8"x16" NOMINAL, STACK BOND
- 07 1416.01 BITUMINOUS DAMPROOFING
- 07 2100.03 RIGID INSULATION
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 9000.01 ALUMINUM OPERABLE LOUVER, PROVIDE BIRD SCREEN
- 13 3419.01 METAL BUILDING RIGID FRAME
- 13 3419.02 8" WALL Z GIRT
- 13 3419.03 10" ROOF PURLIN
- 13 3419.05 FIBERGLASS BATT WALL INSULATION
- 13 3419.06 FIBERGLASS BATT ROOF INSULATION
- 13 3419.07 3/4" LINER PANEL
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.09 STANDING SEAM METAL ROOF PANEL
- 13 3419.10 EAVE/RAKE TRIM
- 13 3419.12 METAL SOFFIT PANEL
- 13 3419.13 C CHANNEL FRAMING
- 27 0000.01 CABLE TRAY, COORDINATE LOCATION, SEE TECHNOLOGY

LEGEND

KEY PLAN



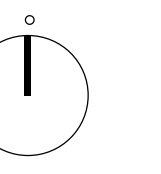
REVISIONS

NO.	DATE	DESCRIPTION

NOTES

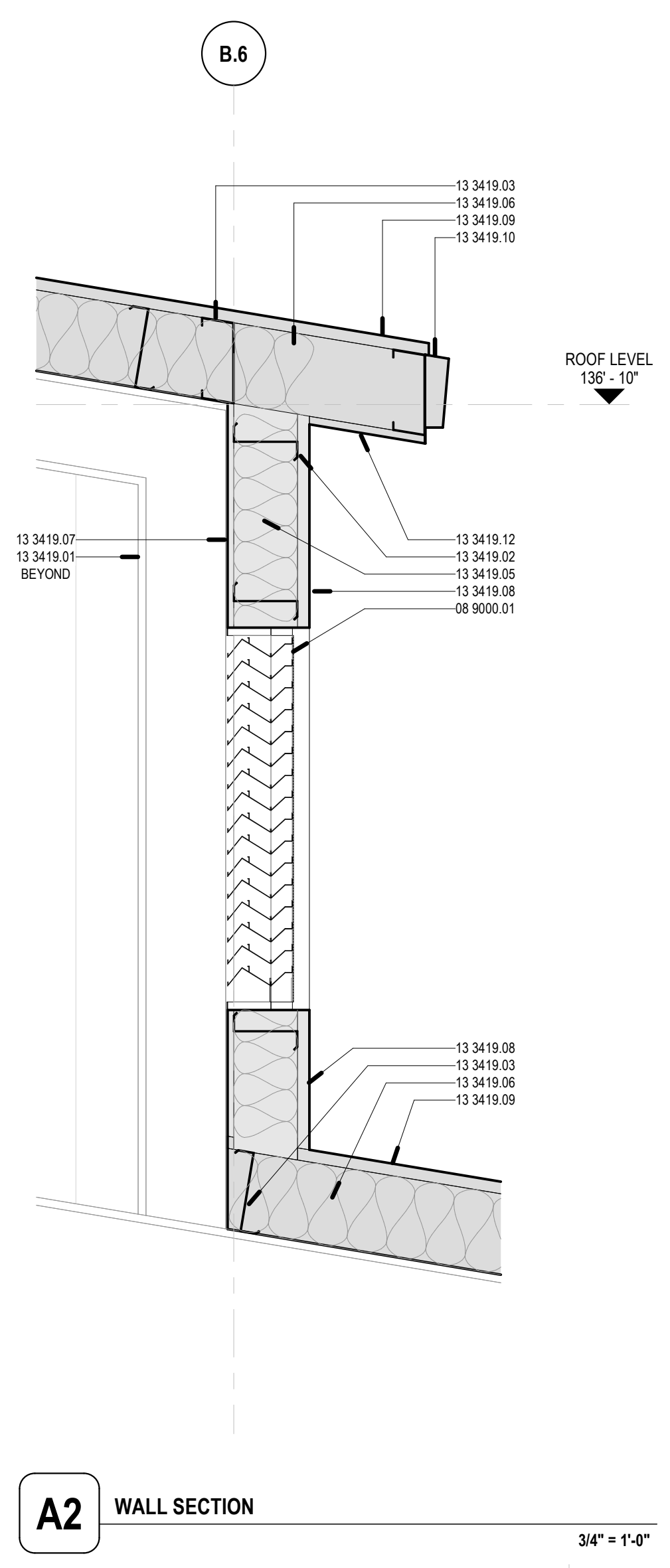
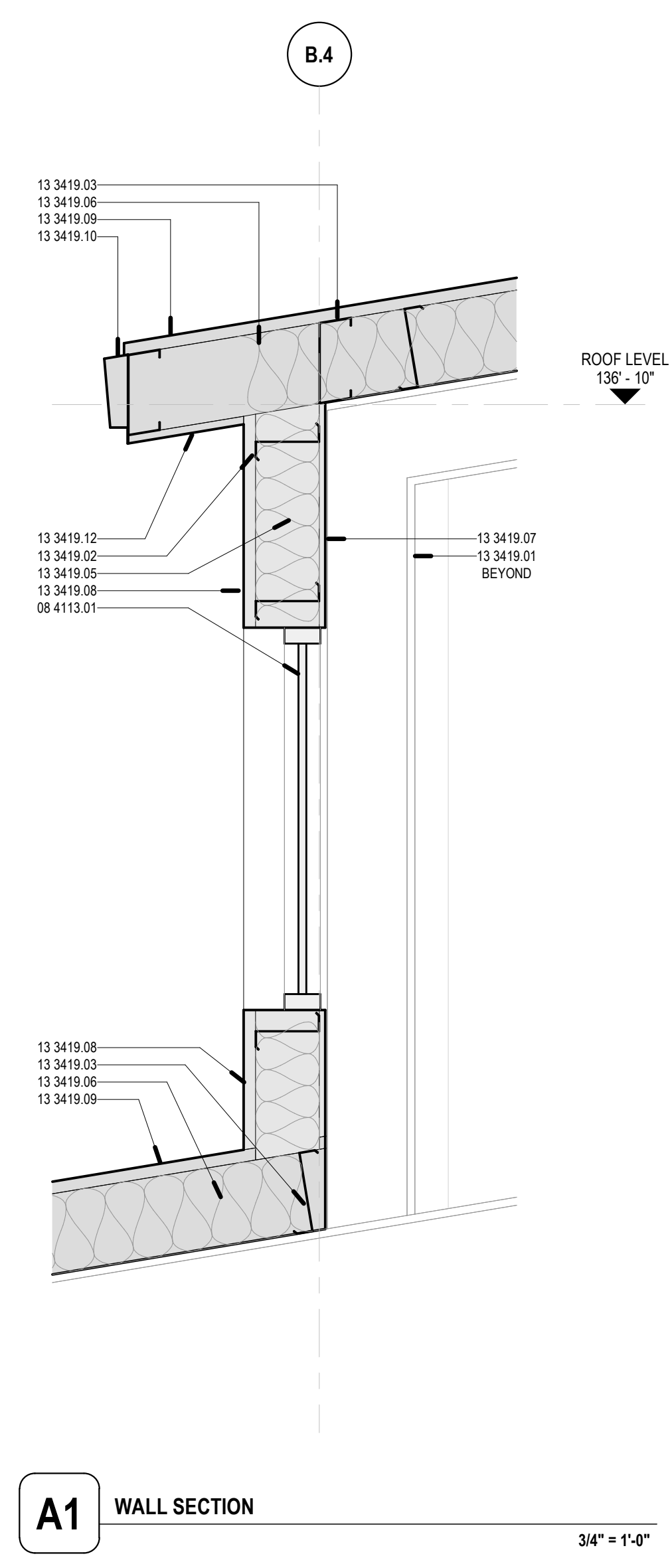
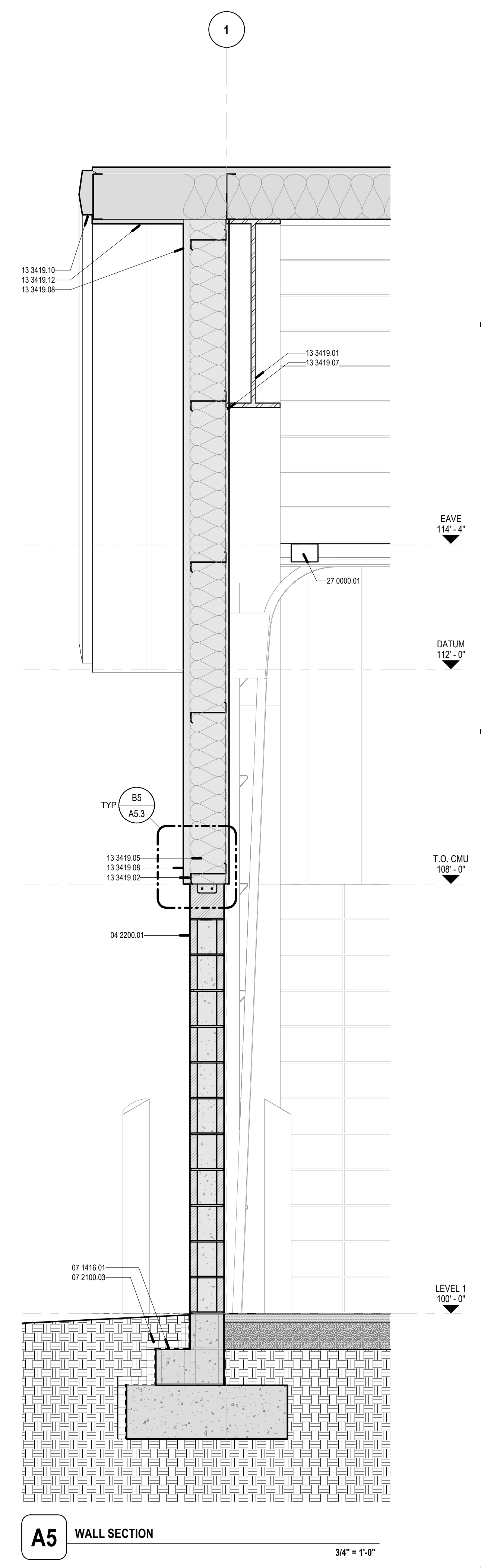
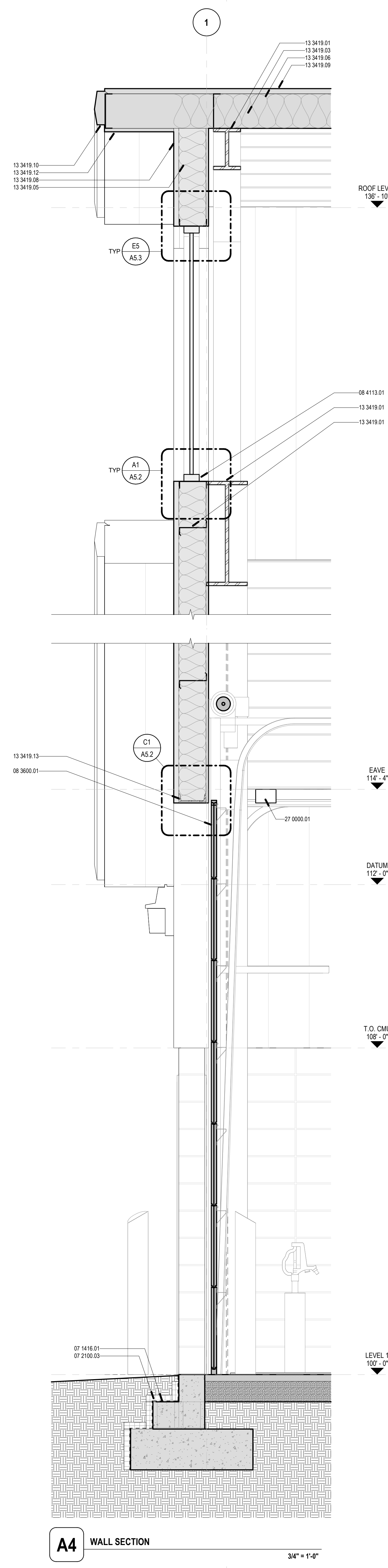
DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

NORTH + SCALE



DRAWING NAME
WALL SECTIONS

A3.3



A1 WALL SECTION
3/4" = 1'-0"

A2 WALL SECTION
3/4" = 1'-0"

A4 WALL SECTION
3/4" = 1'-0"

A5 WALL SECTION
3/4" = 1'-0"

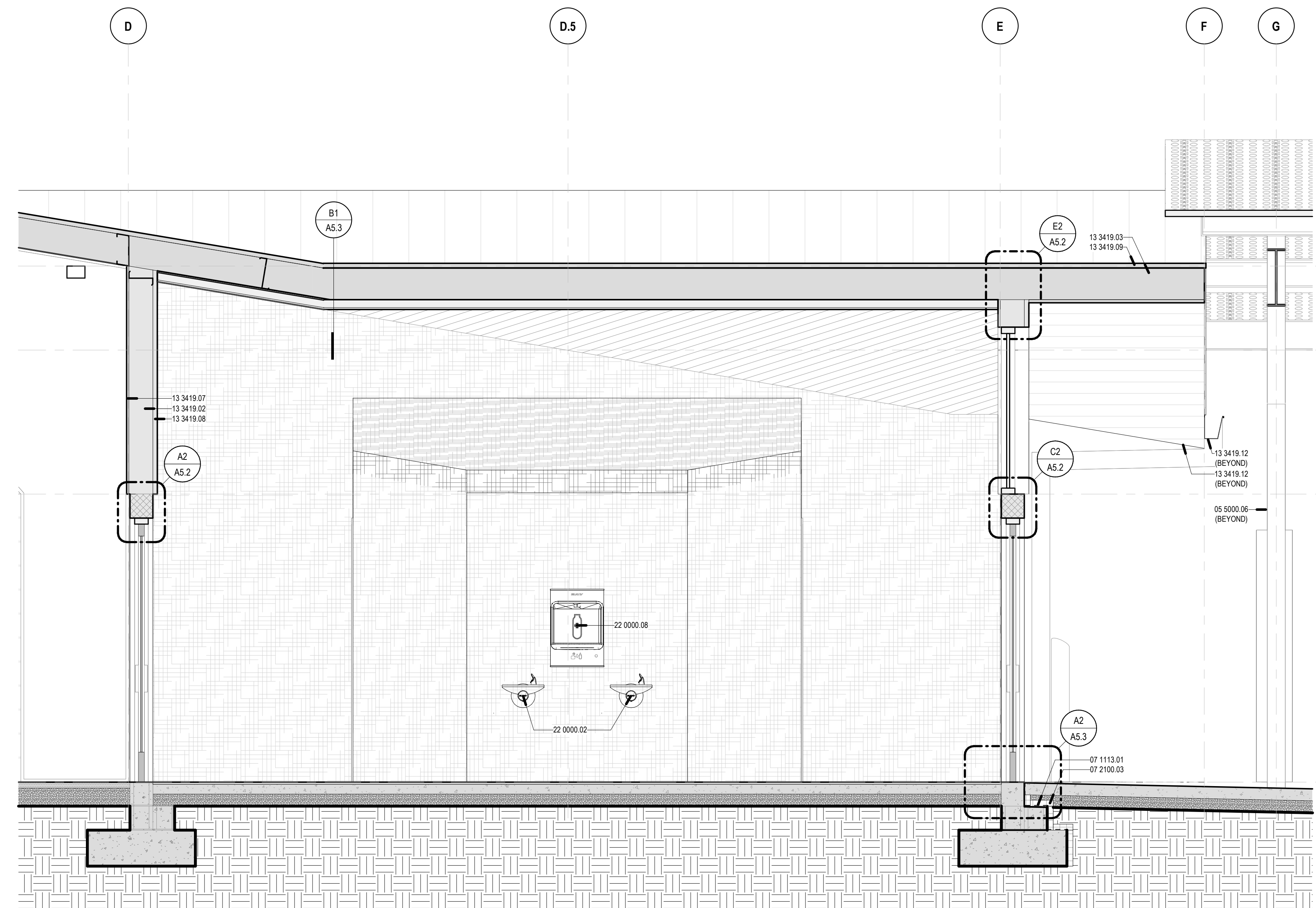
GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. REFERENCE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE G1.2 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

REFERENCE KEYNOTES

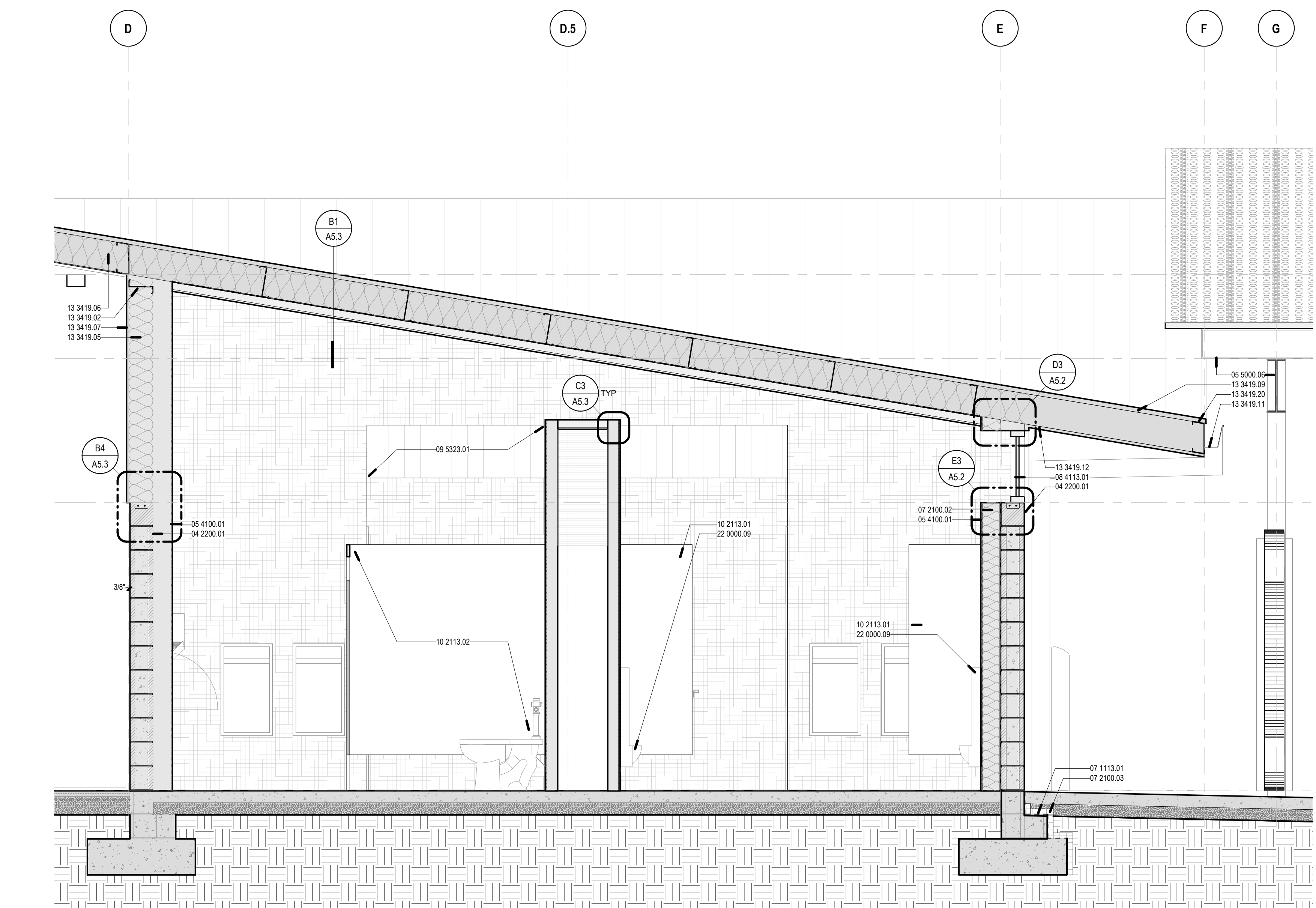
- 04 2200.01 CONCRETE MASONRY (CMU), (W/H/L) 8"x8"x16" NOMINAL, STACK BOND
- 05 4100.01 METAL STUD FRAMED WALL, SEE PLANS AND PARTITION TYPES
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 07 1113.01 BITUMINOUS DAMPROOFING
- 07 2100.02 FULL CAVITY BATT INSULATION
- 07 2100.03 RIGID INSULATION
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 09 5323.01 5 1/4" X 3/4" T&G WOOD CEILING
- 10 2113.01 URINAL PARTITION
- 10 2113.02 TOILET PARTITION
- 13 3419.02 8" WALL Z GIRT
- 13 3419.03 10" ROOF PURLIN
- 13 3419.05 FIBERGLASS BATT WALL INSULATION
- 13 3419.06 FIBERGLASS BATT ROOF INSULATION
- 13 3419.07 3/4" LINER PANEL
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.09 STANDING SEAM METAL ROOF PANEL
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.12 METAL SOFFIT PANEL
- 13 3419.20 EAVE STRUT
- 22 0000.02 DRINKING FOUNTAIN, SEE PLUMBING
- 22 0000.08 BOTTLE FILLER, SEE PLUMBING
- 22 0000.09 URINAL, SEE PLUMBING

LEGEND



C3 WALL SECTION
1/2" = 1'-0"

KEY PLAN



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

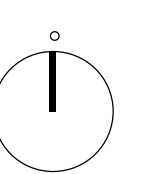
REVISIONS

△	

NOTES

DRAWN BY	SS
REVIEWED BY	ST
DATE	6/9/2023
PROJECT NO	#23-0003

NORTH + SCALE



DRAWING NAME
WALL SECTIONS

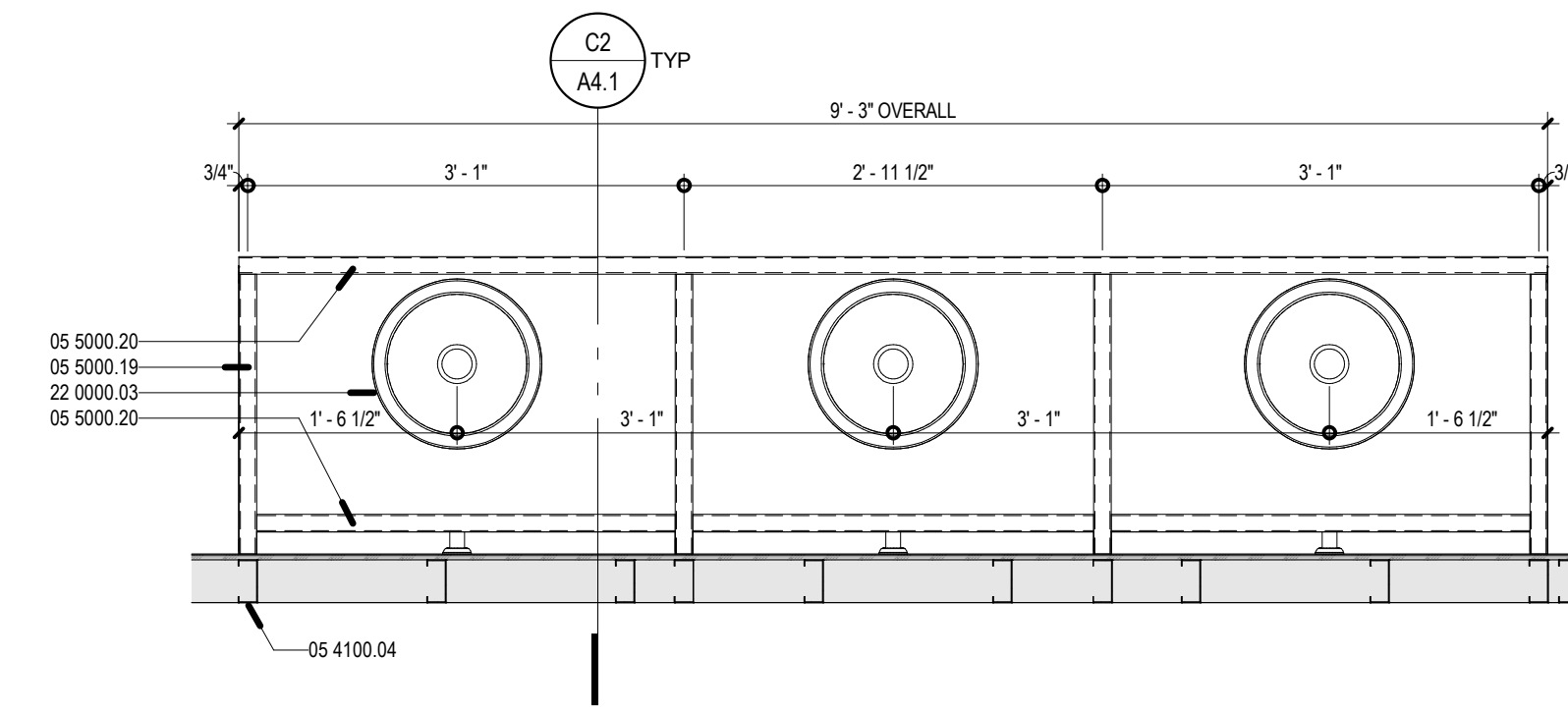
A3.5

GENERAL SHEET NOTES

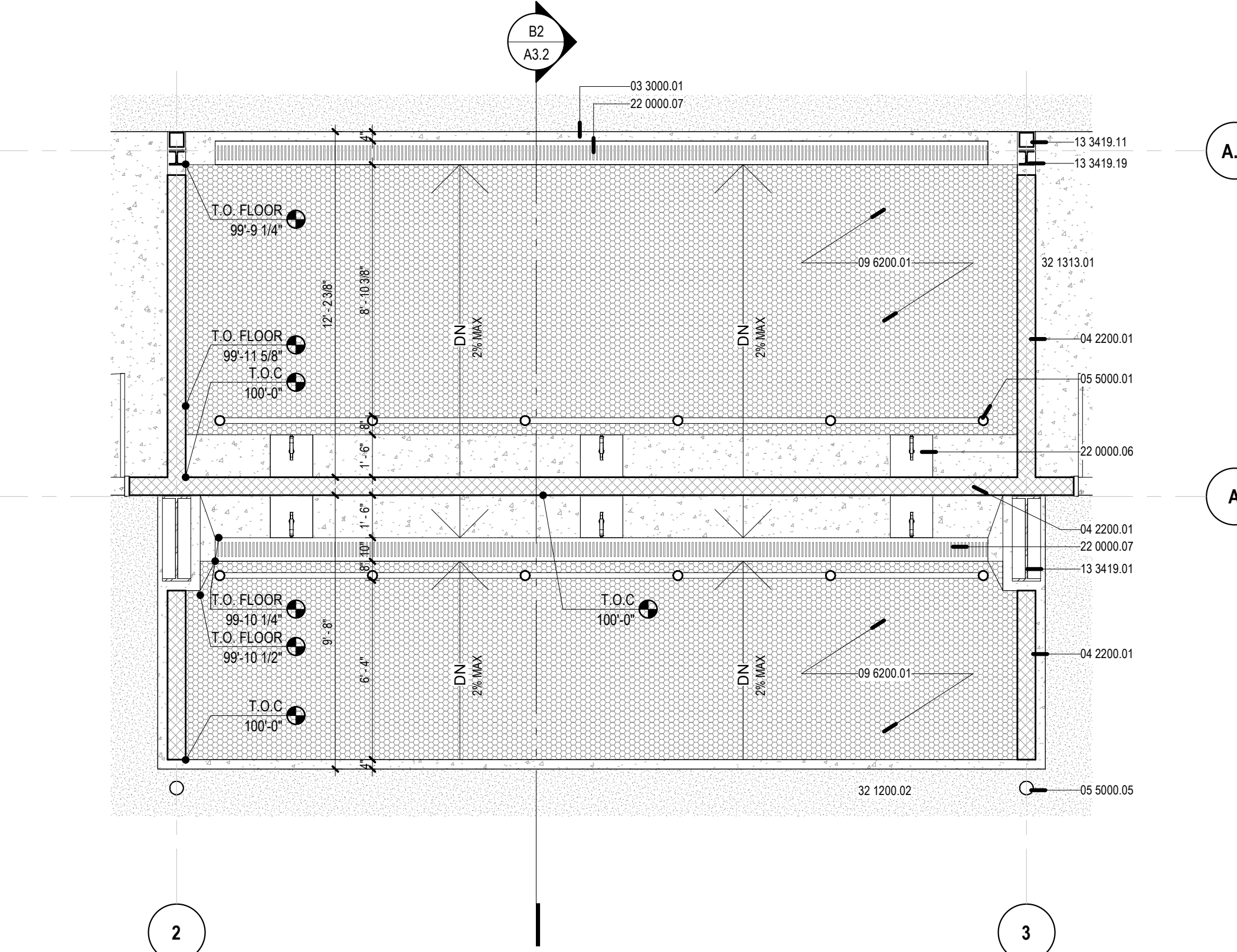
- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE
- C. REFERENCE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE 01.4 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

REFERENCE KEYNOTES

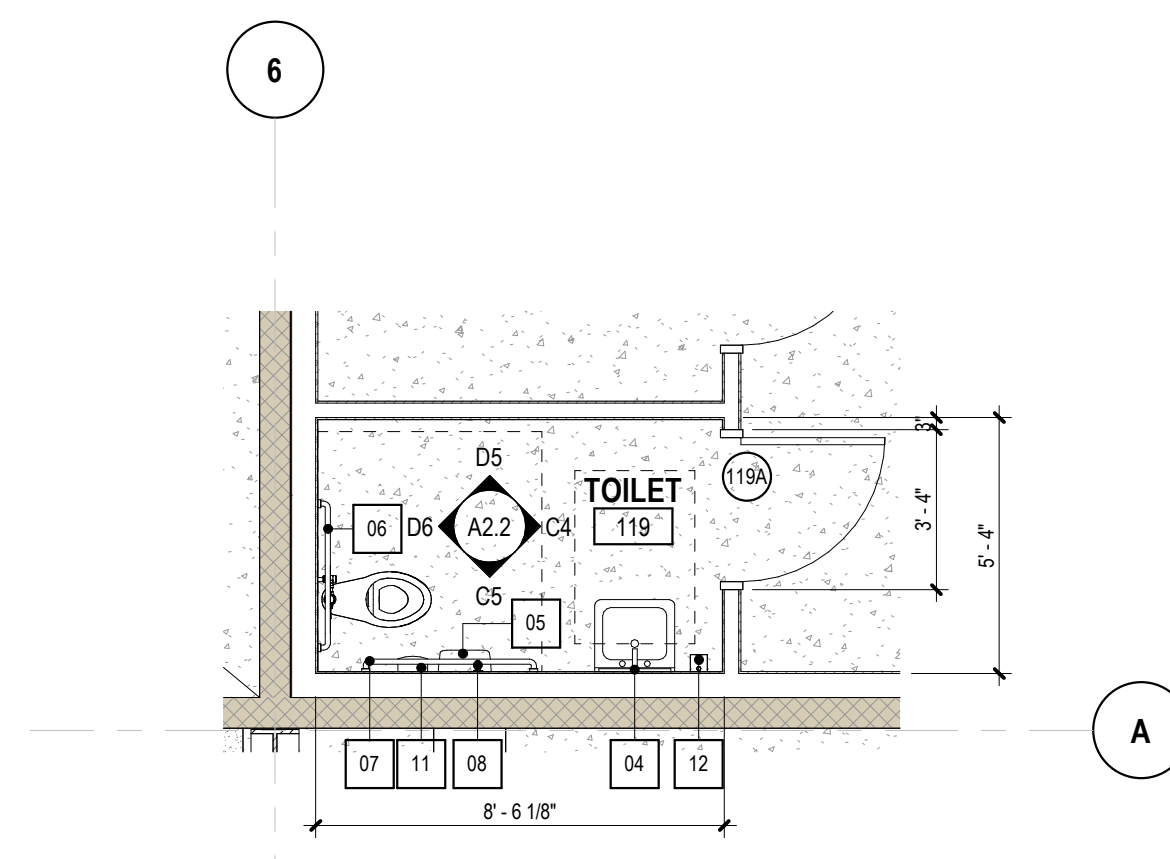
- 03 3000.01 CONCRETE SLAB ON GRADE. SEE STRUCTURAL
- 04 2200.01 CONCRETE MASONRY (CMU), (WALL) 8"X8"X16" NOMINAL STACK BOND
- 05 4100.01 METAL STUD FRAMED WALL. SEE PLANS AND PARTITION TYPES
- 05 4100.04 GC TO COORDINATE STUD FRAMING BEHIND EVERY COUNTER WALL BRACKET
- 05 5000.01 ANIMAL TIE-RAIL. SEE DETAILS
- 05 5000.05 PIPE BOLLARD. FILL WITH CONCRETE. SEE DETAILS
- 05 5000.19 HSS 1 1/2X 1 1/2X18" STEEL SQUARE TUBE FRAME
- 05 5000.20 HSS 1 1/2X 1 1/2X18" STEEL SQUARE TUBE
- 05 5000.21 18 GA STAINLESS STEEL SHEET CUSTOM FORMED COUNTERTOP
- 05 5000.47 5/16" DIA. 4" TGGLE BOLT WITH FLAT WASHER, 5 PER BRACKET
- 05 5000.49 KNOX BOX
- 05 4023.20 3/4" PLYWOOD UNDERLAYMENT
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 10 2113.01 URINAL PARTITION
- 10 2113.02 TOILET PARTITION
- 10 2813.01 TOILET ACCESSORY - SEE ENLARGED PLANS AND INTERIOR ELEVATIONS
- 12 4813.01 ADA COMPLIANT ENTRANCE FLOOR MAT (EM-1), SEE FINISH SCHEDULE
- 13 3419.01 METAL BUILDING RISID FRAME
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.19 METAL BUILDING COLUMN
- 22 0000.01 WATER CLOSET. SEE PLUMBING
- 22 0000.02 DRINKING FOUNTAIN. SEE PLUMBING
- 22 0000.03 LAVATORY. SEE PLUMBING
- 22 0000.05 MOP SINK. SEE PLUMBING
- 22 0000.06 FREEZE-PROOF YARD HYDRANT. SEE PLUMBING
- 22 0000.07 LINEAR TRENCH DRAIN. SEE PLUMBING
- 22 0000.08 BOTTLE FILLER. SEE PLUMBING
- 22 0000.09 URINAL. SEE PLUMBING
- 32 1200.02 ASPHALT PAVING. SEE DETAILS
- 32 1313.01 CONCRETE PAVING. REFER TO CIVIL



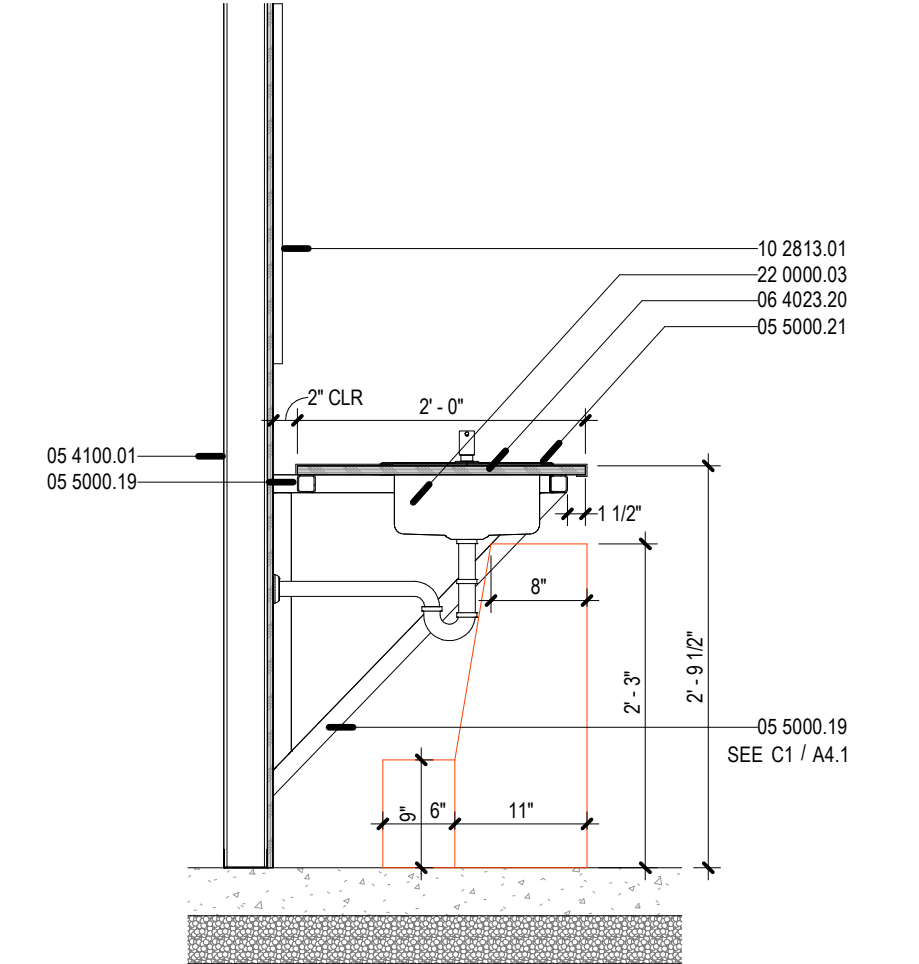
E5 PLAN DETAIL - TYP COUNTERTOP
3/4" x 1'-0"



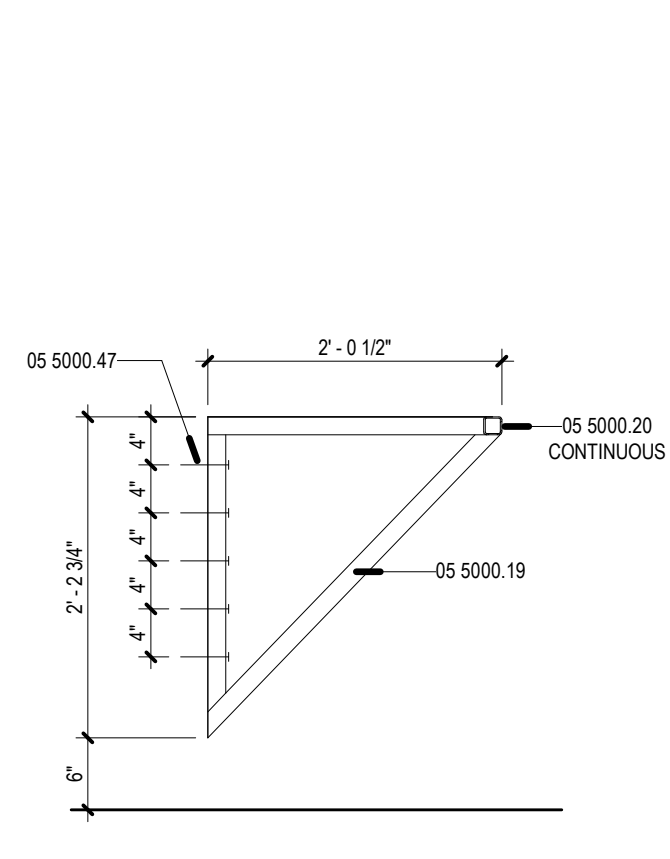
E4 ENLARGED PLAN - WASH BAYS TYP
1/4" = 1'-0"



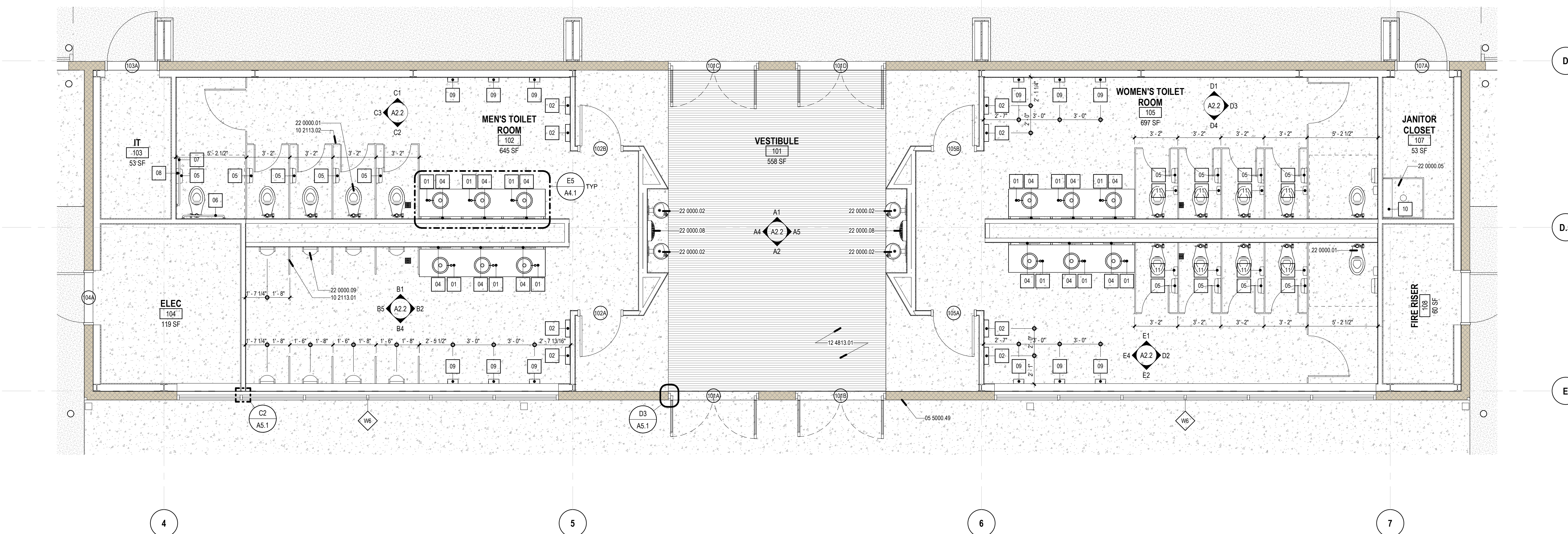
C3 ENLARGED PLAN - TOILET ROOM
1/4" = 1'-0"



C2 CASEWORK SECTION - TYPICAL COUNTER
3/4" = 1'-0"



C1 ELEVATION DETAIL - COUNTERTOP BRACKET
3/4" = 1'-0"



A1 ENLARGED PLAN
1/4" = 1'-0"

10 2813 - TOILET ACCESSORIES

- SEE TYP. MOUNTING HEIGHTS + ACCESSIBILITY DIMENSIONS FOR MOUNTING INFORMATION
- 01 HAND SOAP DISPENSER, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 02 RECESSED WASTE RECEPTACLE, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 04 18" X 36" ANGLE FRAME MIRROR, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 05 TOILET PAPER DISPENSER, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 06 36" LONG STRAIGHT GRAB BAR
 - 07 42" LONG STRAIGHT GRAB BAR
 - 08 18" LONG STRAIGHT GRAB BAR
 - 09 HAND DRYER
 - 10 MOP RACK
 - 11 SANITARY NAPKIN DISPOSAL UNIT
 - 12 HAND SOAP DISPENSER, WALL MOUNT, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION, B.O.D. BOBRICK B-2111 OR APPROVED EQUAL
- CONTINUOUS

KEY PLAN

REVISIONS

NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

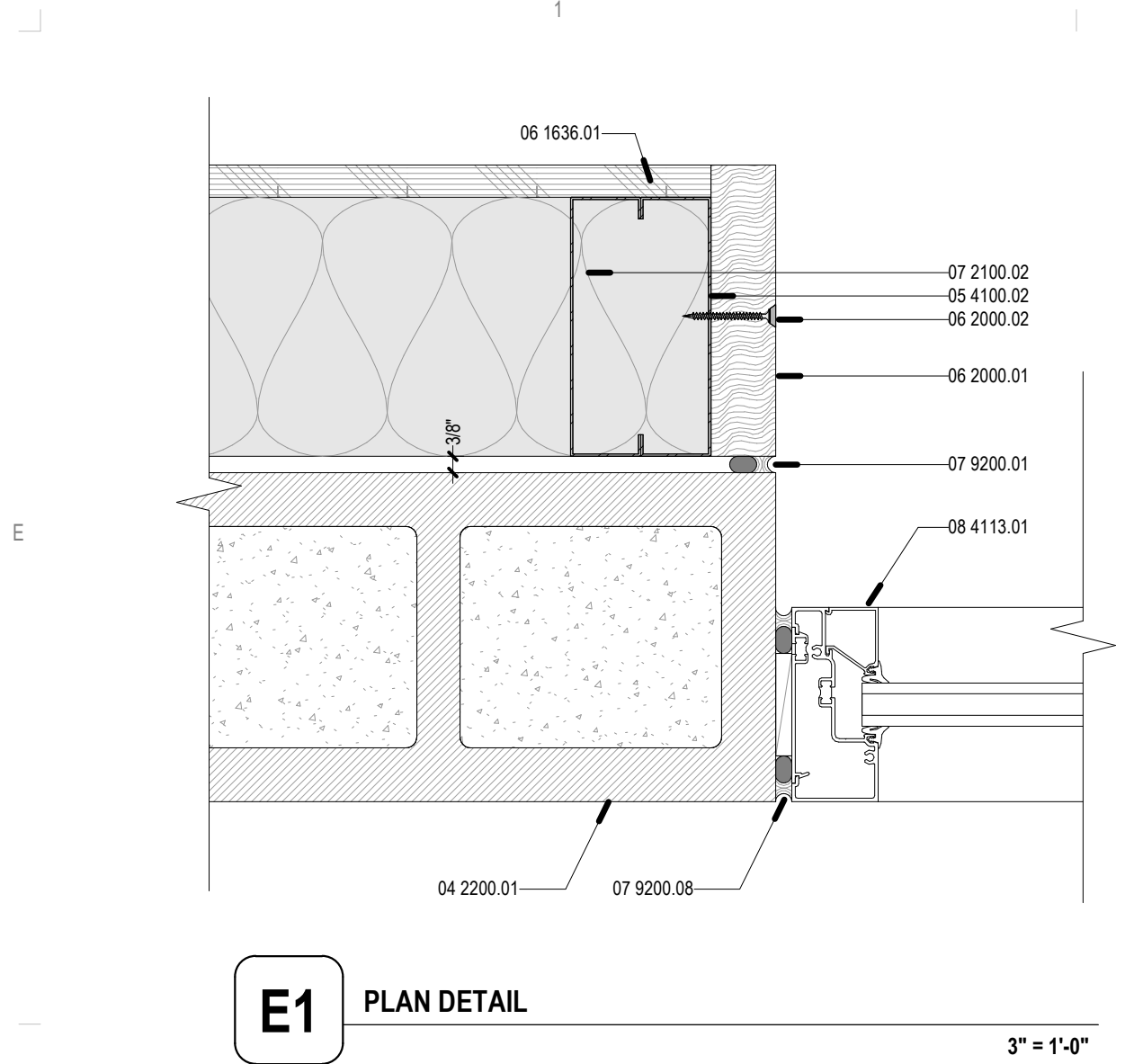
NORTH + SCALE

GENERAL SHEET NOTES

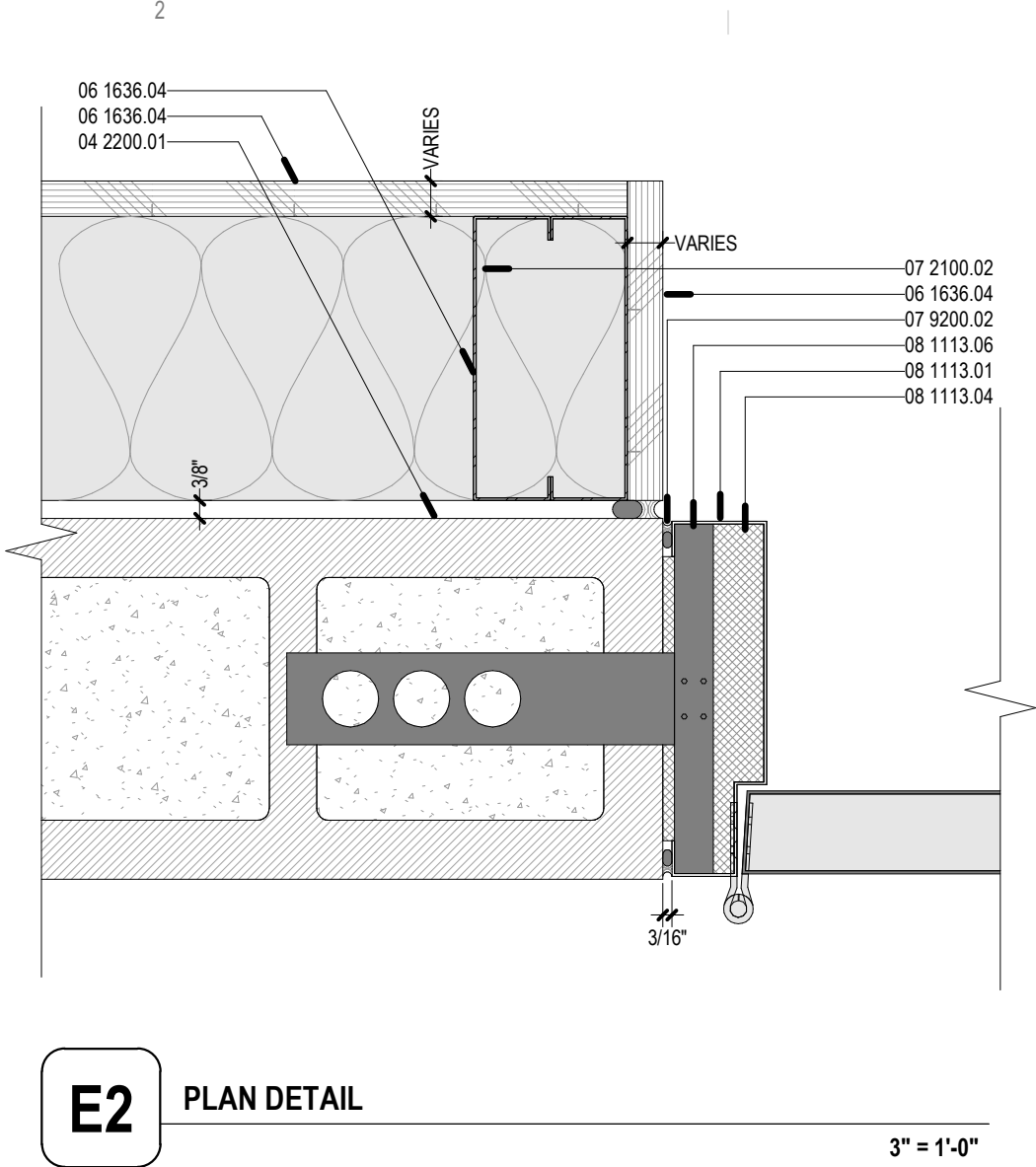
- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. SEE 61.2 FOR TYPICAL MOUNTING HEIGHTS
- D. SEE SLAB EDGE PLAN FOR CONCRETE CONTROL JOINT LOCATIONS
- E. SEE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO
- F. SEE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- G. SEE FINISH SCHEDULE FOR FINISHES
- H. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED

REFERENCE KEYNOTES

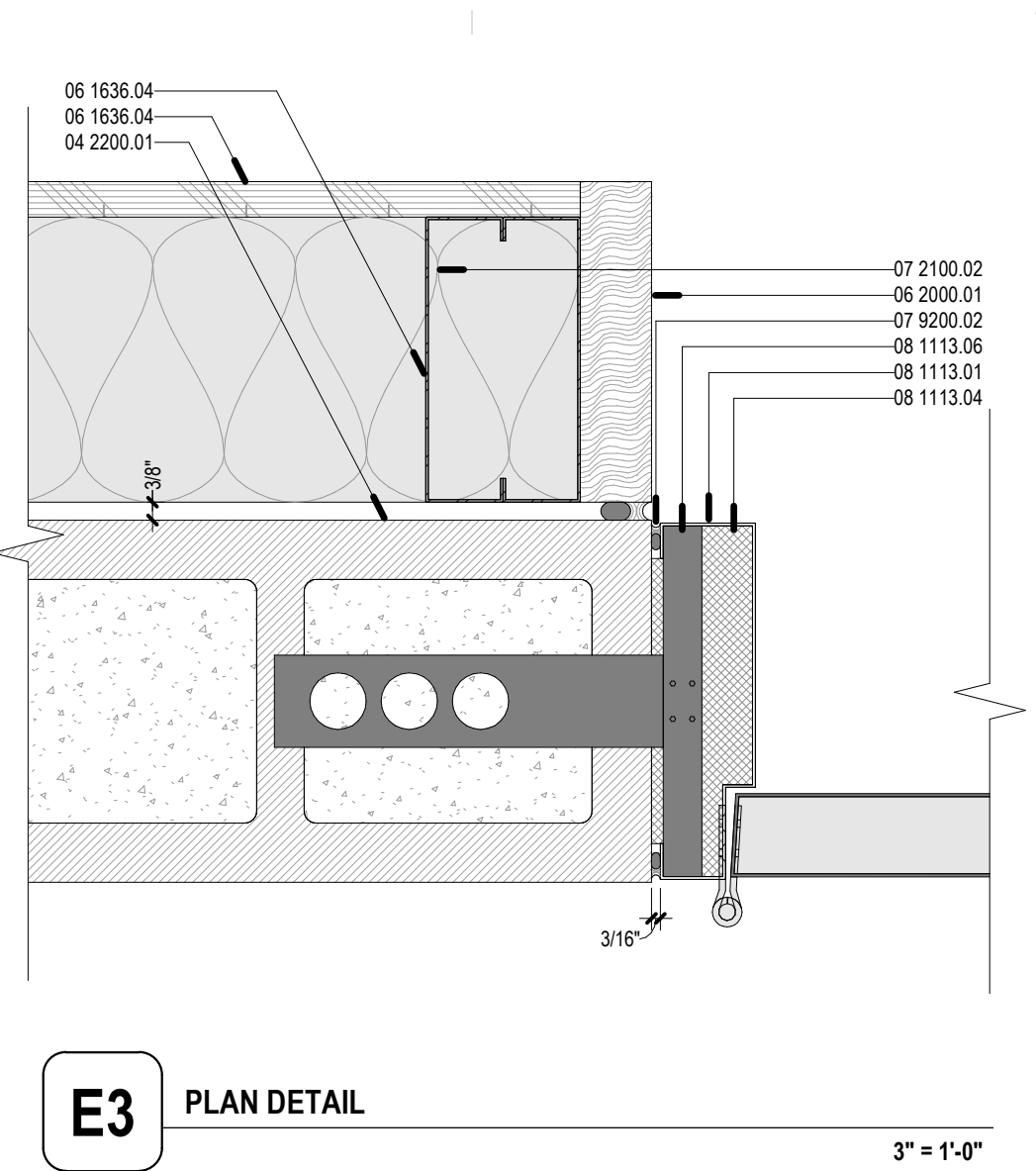
- 03 3000.02 CONCRETE FOOTING, SEE STRUCTURAL
- 04 2200.01 CONCRETE MASONRY (CMU), (WALL) 8"x8"x16" NOMINAL, STACK BOND
- 05 4100.02 6" METAL STUD FRAMING
- 05 4100.03 3.5" METAL STUD FRAMING
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.07 BASE PLATE
- 05 5000.08 HYDRANT BOLLARD
- 05 5000.18 HSS 2X2X1/8" STEEL SQUARE TUBE FRAME
- 05 5000.22 1/8" STEEL PLATE
- 05 5000.23 COORDINATE HOLE SIZE AND LOCATION FOR BOLTED CONNECTION FOR OPCI SPIDER BOX
- 06 1636.01 7/16" PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE
- 06 1636.03 3/4" PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE
- 06 1636.04 PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE, THICKNESS VARIES BY LOCATION, SEE PARTITION TYPE LEGEND, INTERIOR ELEVATIONS AND FINISH LEGEND
- 06 2000.01 SOLID WOOD BOARD, DOUGLAS FIR, 1 1/2" THICKNESS, CLEAR FINISH
- 06 2000.02 COUNTERSINK SCREWS, PATCH HOLES WITH WOOD FILLER
- 07 2100.02 FULL CAVITY BATT INSULATION
- 07 9200.01 3/8" BACKER ROD AND SEALANT
- 07 9200.02 SEALANT
- 07 9200.08 BACKER ROD AND SEALANT
- 08 1113.01 HOLLOW METAL DOOR AND FRAME
- 08 1113.04 LOW EXPANSION OPEN-CELL POLYURETHANE FOAM GROUT
- 08 1113.06 HOLLOW METAL FRAME MASONRY ANCHOR
- 08 3000.02 OVERHEAD DOOR TRACK
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 4113.03 ALUMINUM STOREFRONT TRIM TO MATCH WINDOW FRAME
- 08 4113.07 ALUMINUM STOREFRONT ENTRY DOOR SYSTEM
- 09 7813.01 22 GA GALVANIZED STEEL SHEET, 24" STRIPS
- 09 7813.02 HEIMED EDGE, TYP
- 09 7813.03 #6 X 1 1/2" HEX WASHER HEAD SCREW, GALVANIZED, 12" O.C. HORIZONTALLY, 11" O.C. VERTICALLY, ALIGNED
- 13 3419.02 8" WALL Z GIRT
- 13 3419.07 3/4" LINER PANEL
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.13 C CHANNEL FRAMING
- 13 3419.16 J TRIM
- 13 3419.17 SHEET METAL JAMB CAP TRIM, FINISH TO MATCH ADJACENT METAL PANELS
- 13 3419.18 1 3/4" X 3" STEEL ANGLE
- 13 3419.19 METAL BUILDING COLUMN
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING



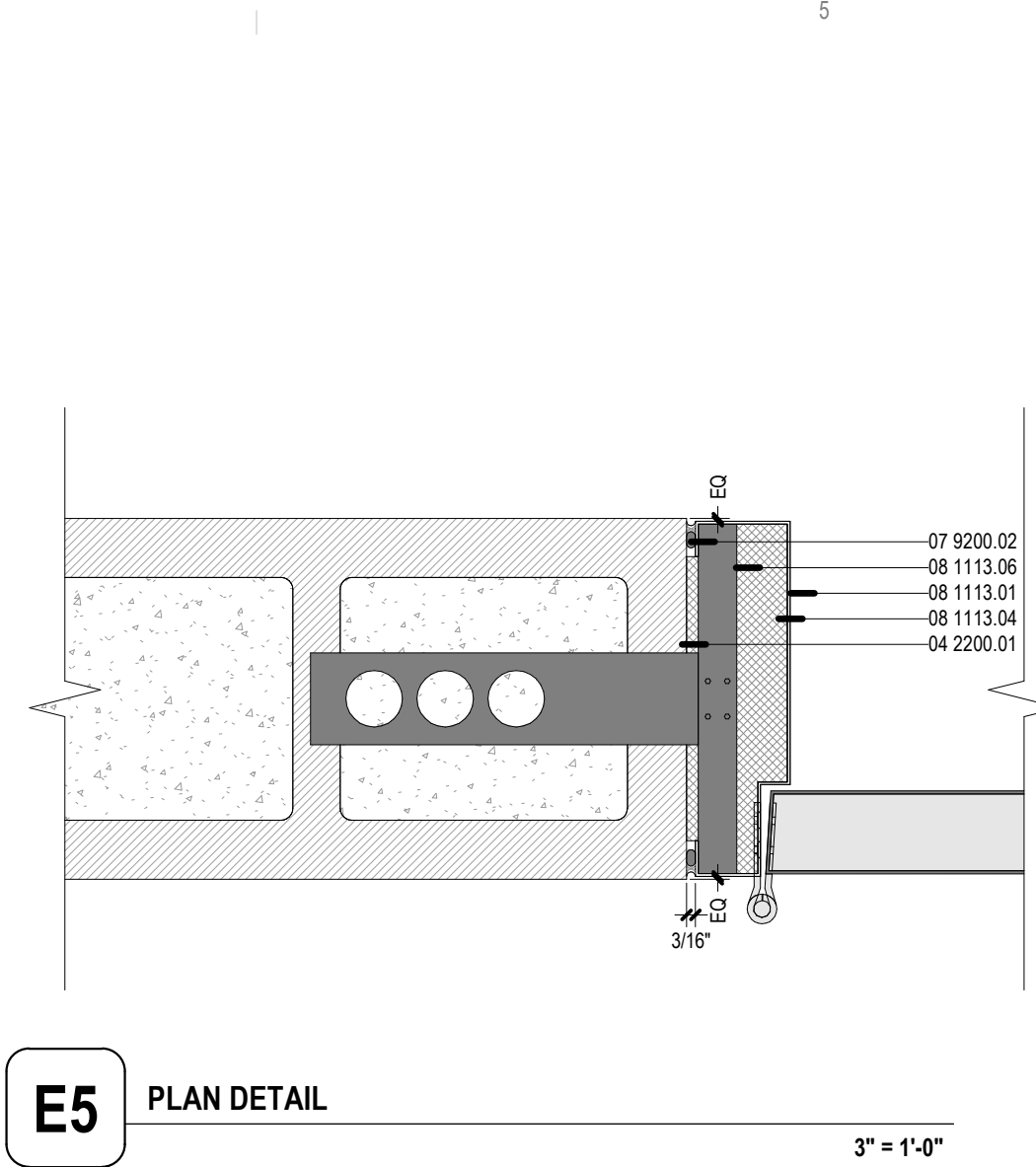
E1 PLAN DETAIL
3" = 1'-0"



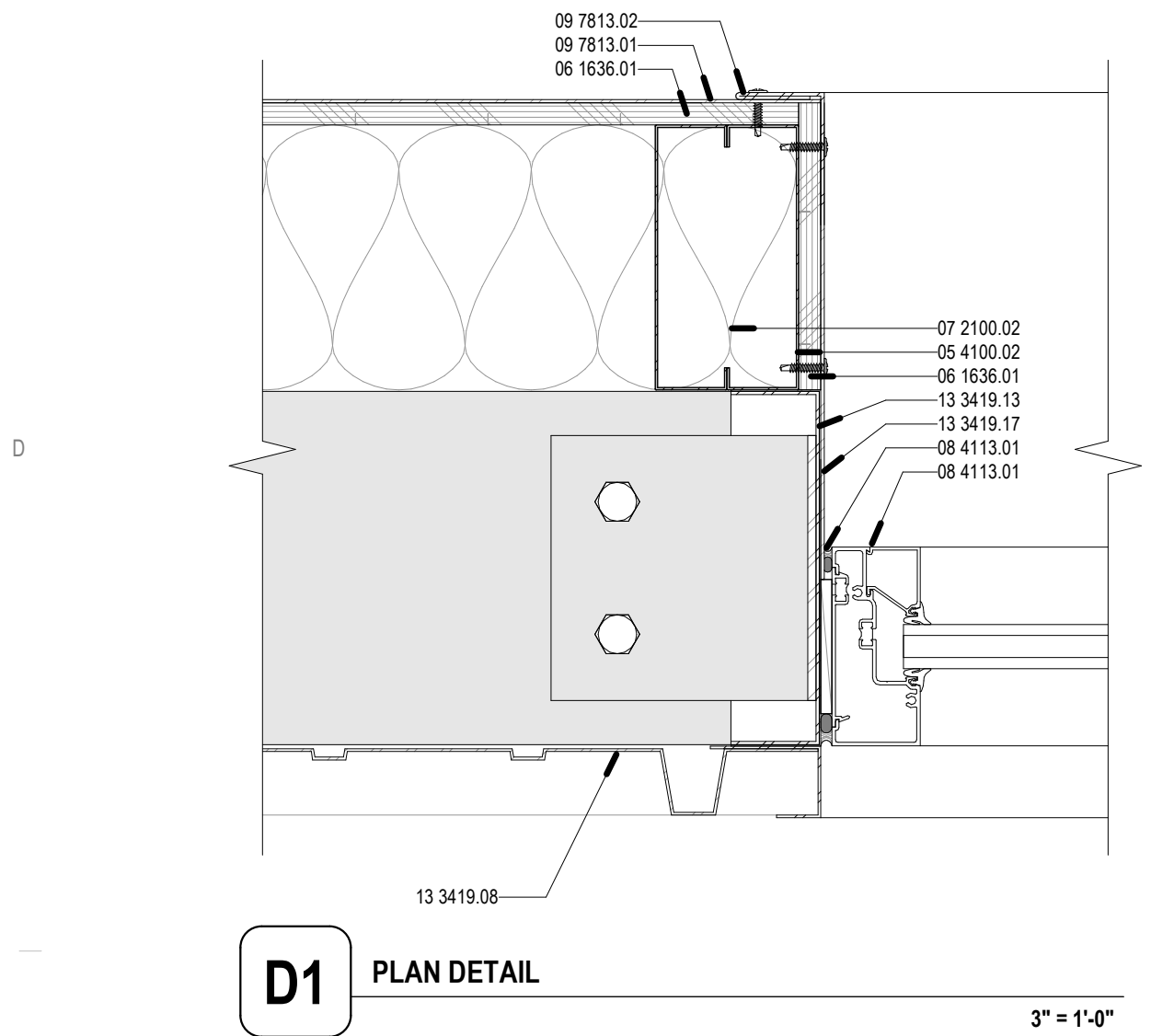
E2 PLAN DETAIL
3" = 1'-0"



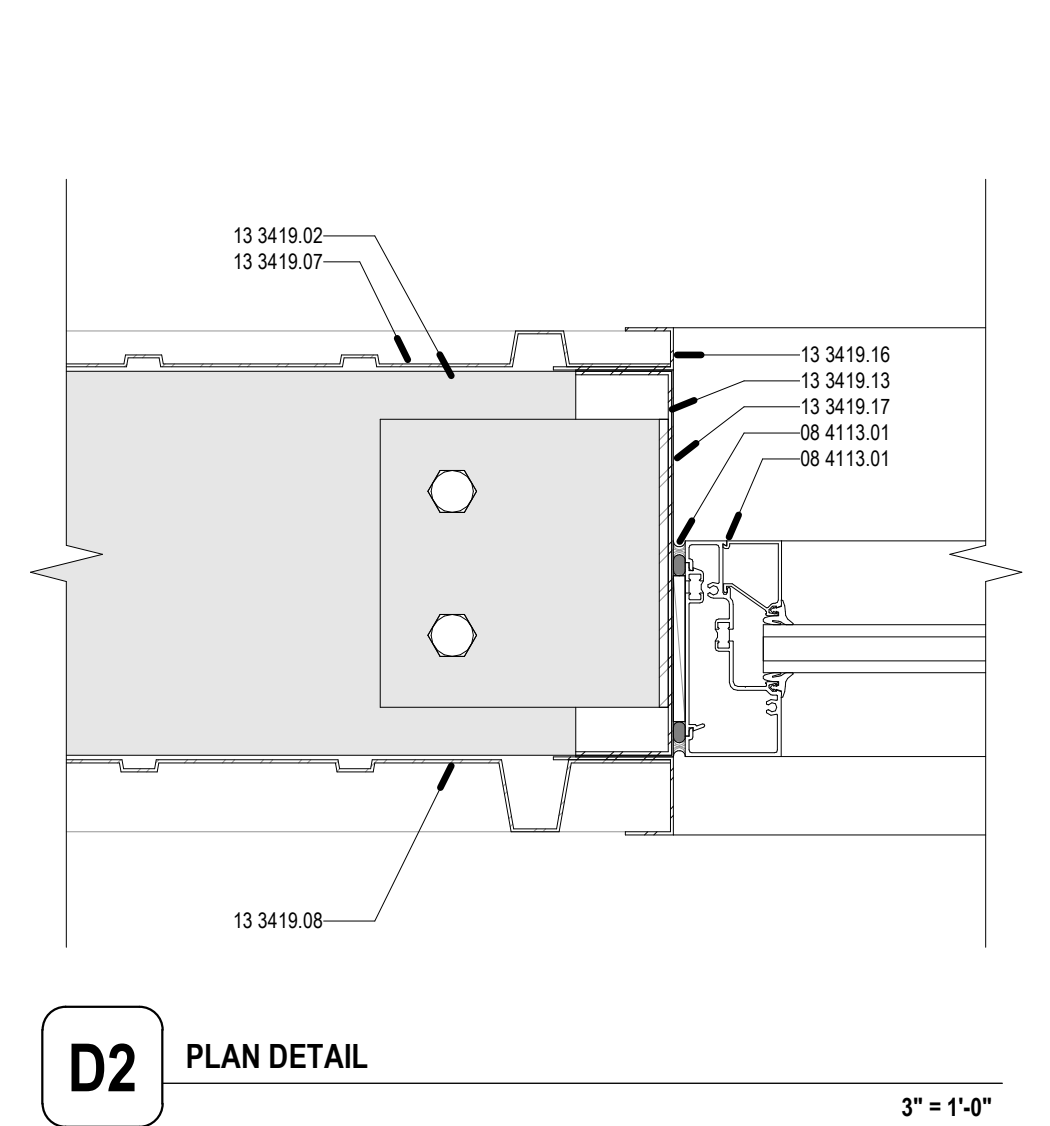
E3 PLAN DETAIL
3" = 1'-0"



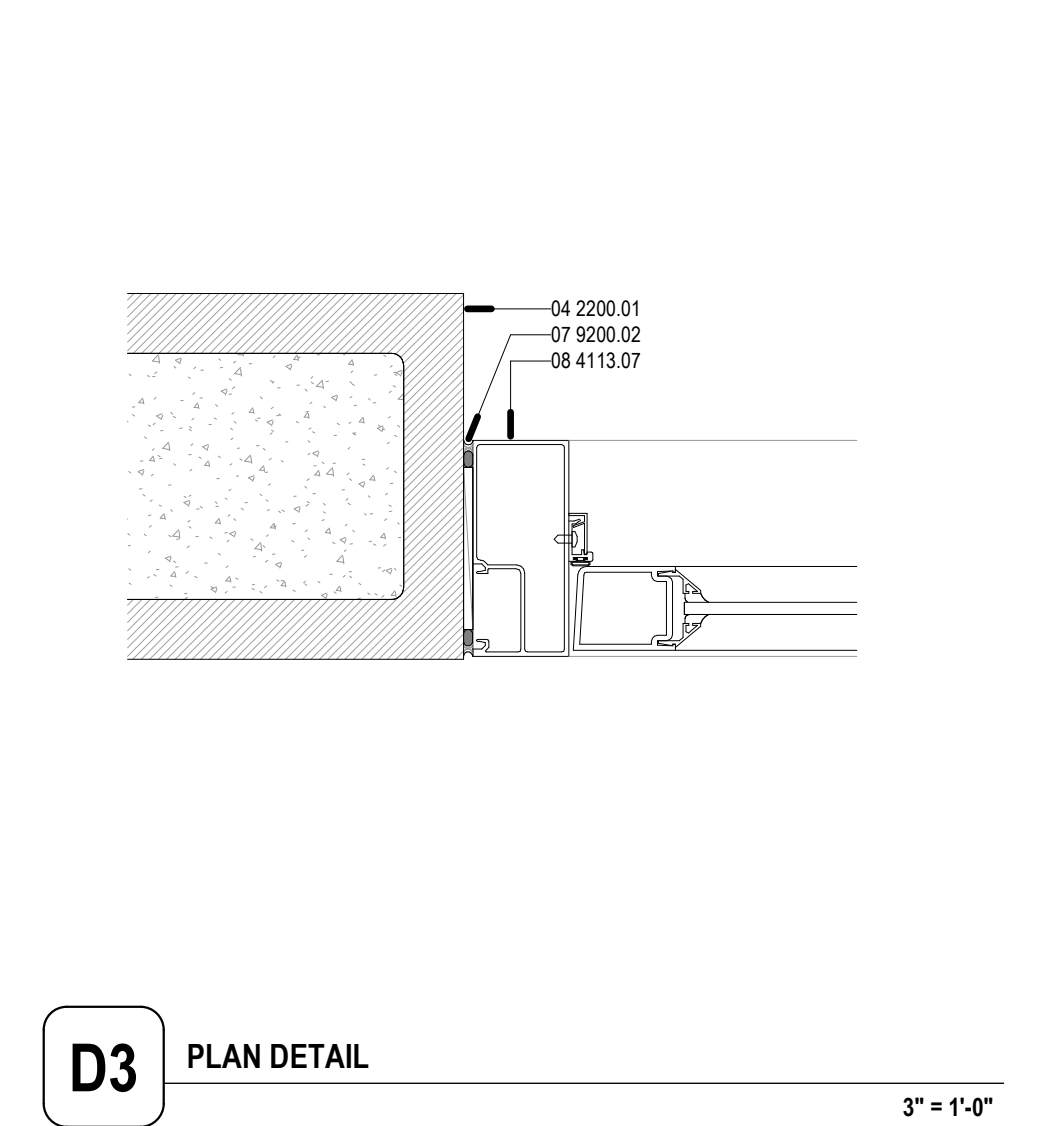
E5 PLAN DETAIL
3" = 1'-0"



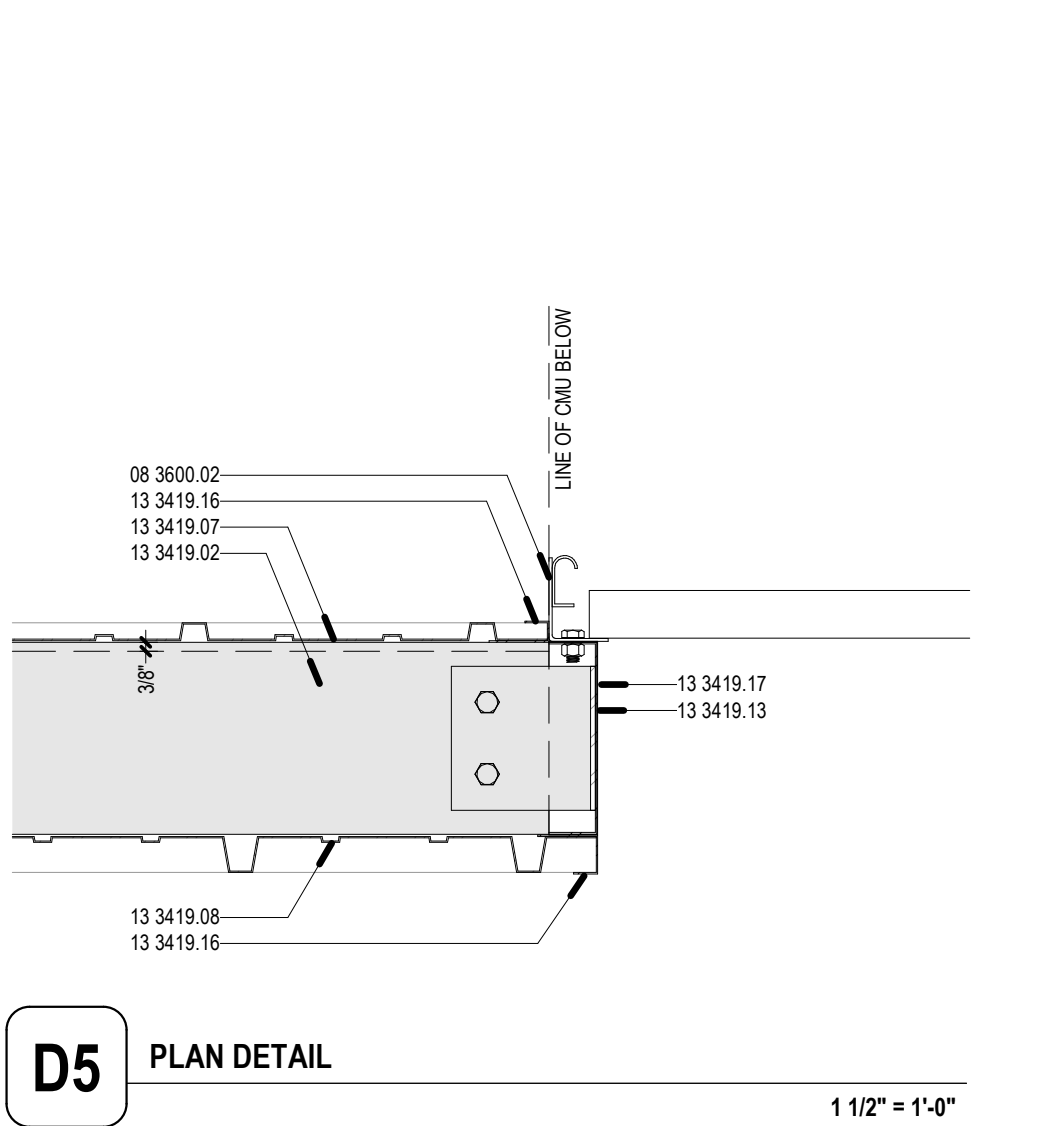
D1 PLAN DETAIL
3" = 1'-0"



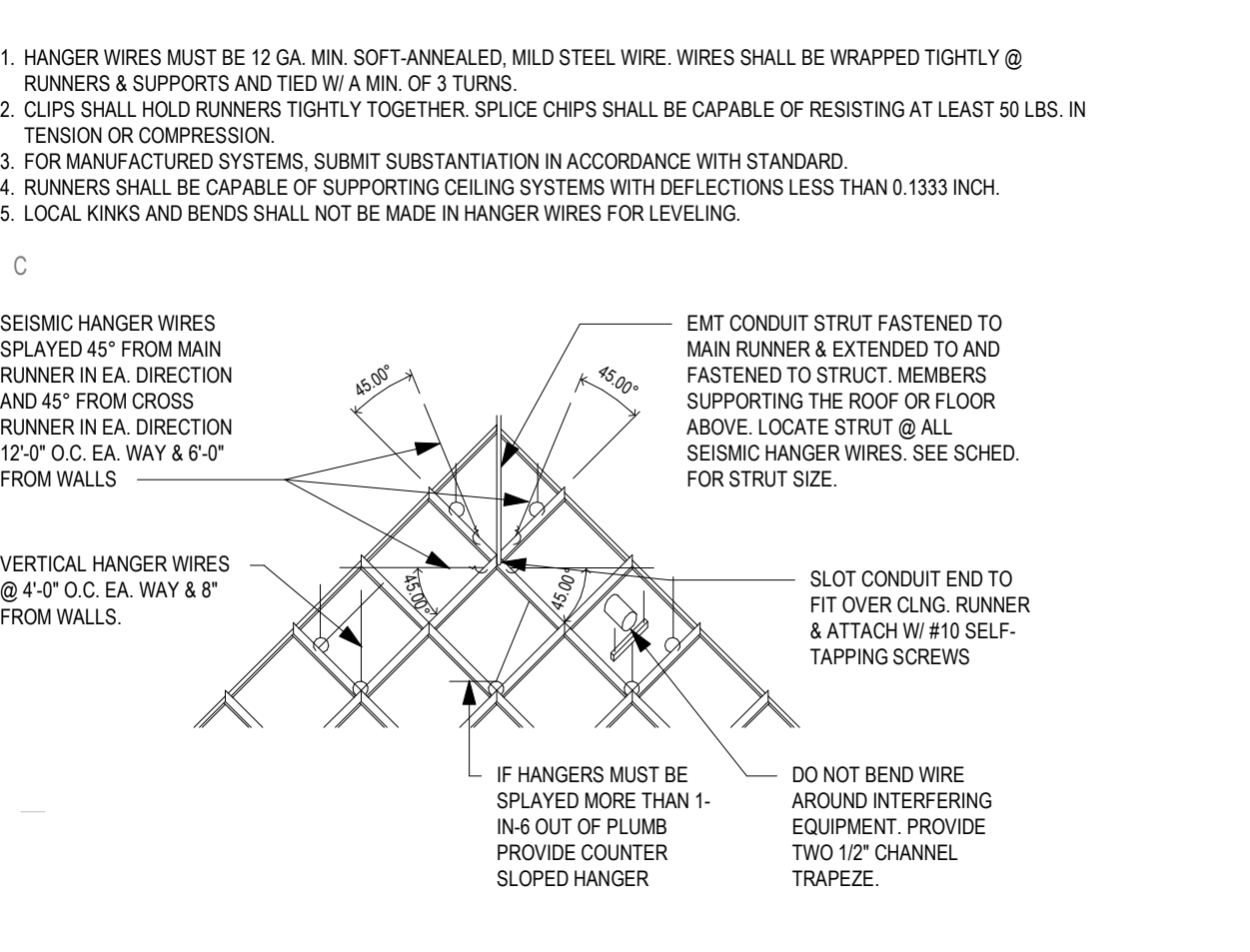
D2 PLAN DETAIL
3" = 1'-0"



D3 PLAN DETAIL
3" = 1'-0"

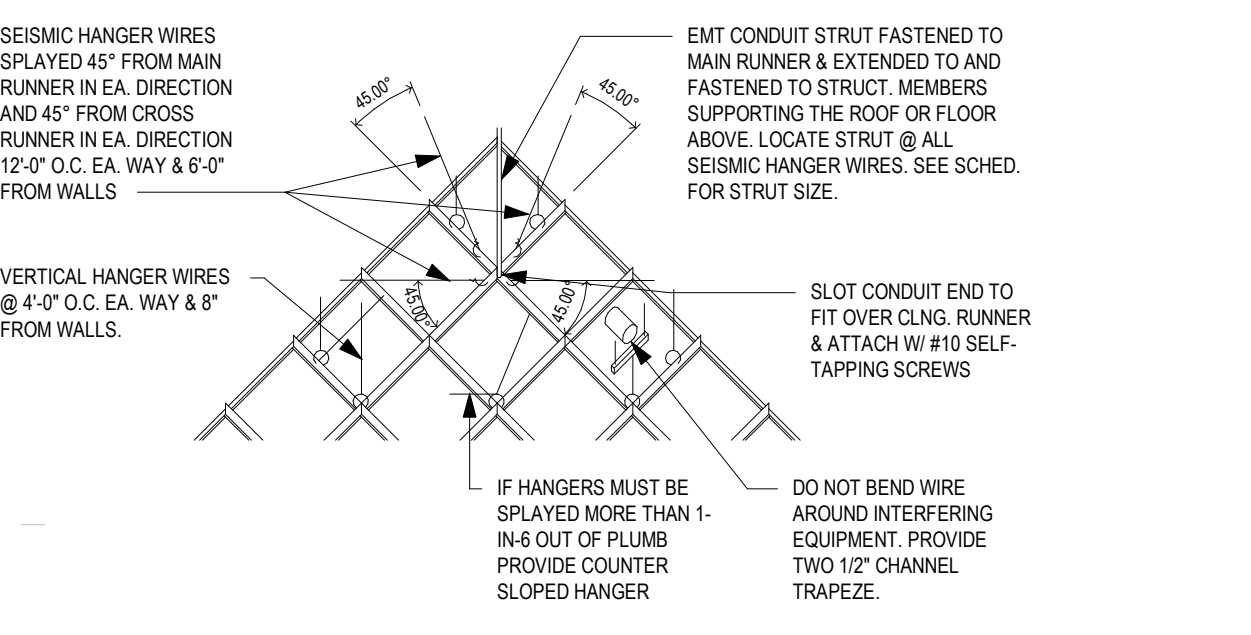


D5 PLAN DETAIL
1 1/2" = 1'-0"



C2 PLAN DETAIL
3" = 1'-0"

- 1. HANGER WIRES MUST BE 12 GA. MIN. SOFT ANNEALED, MILD STEEL WIRE. WIRES SHALL BE WRAPPED TIGHTLY @ RUNNERS & SUPPORTS AND TIED IN A MIN. OF 3 TURNS.
- 2. CLIPS SHALL HOLD RUNNERS TIGHTLY TOGETHER. SPLICE CHIPS SHALL BE CAPABLE OF RESISTING AT LEAST 50 LBS. IN TENSION OR COMPRESSION.
- 3. FOR MANUFACTURED SYSTEMS, SUBMIT SUBSTITUTION IN ACCORDANCE WITH STANDARD.
- 4. RUNNERS SHALL BE CAPABLE OF SUPPORTING CEILING SYSTEMS WITH DEFLECTIONS LESS THAN 0.1333 INCH.
- 5. LOCAL KINKS AND BENDS SHALL NOT BE MADE IN HANGER WIRES FOR LEVELING.

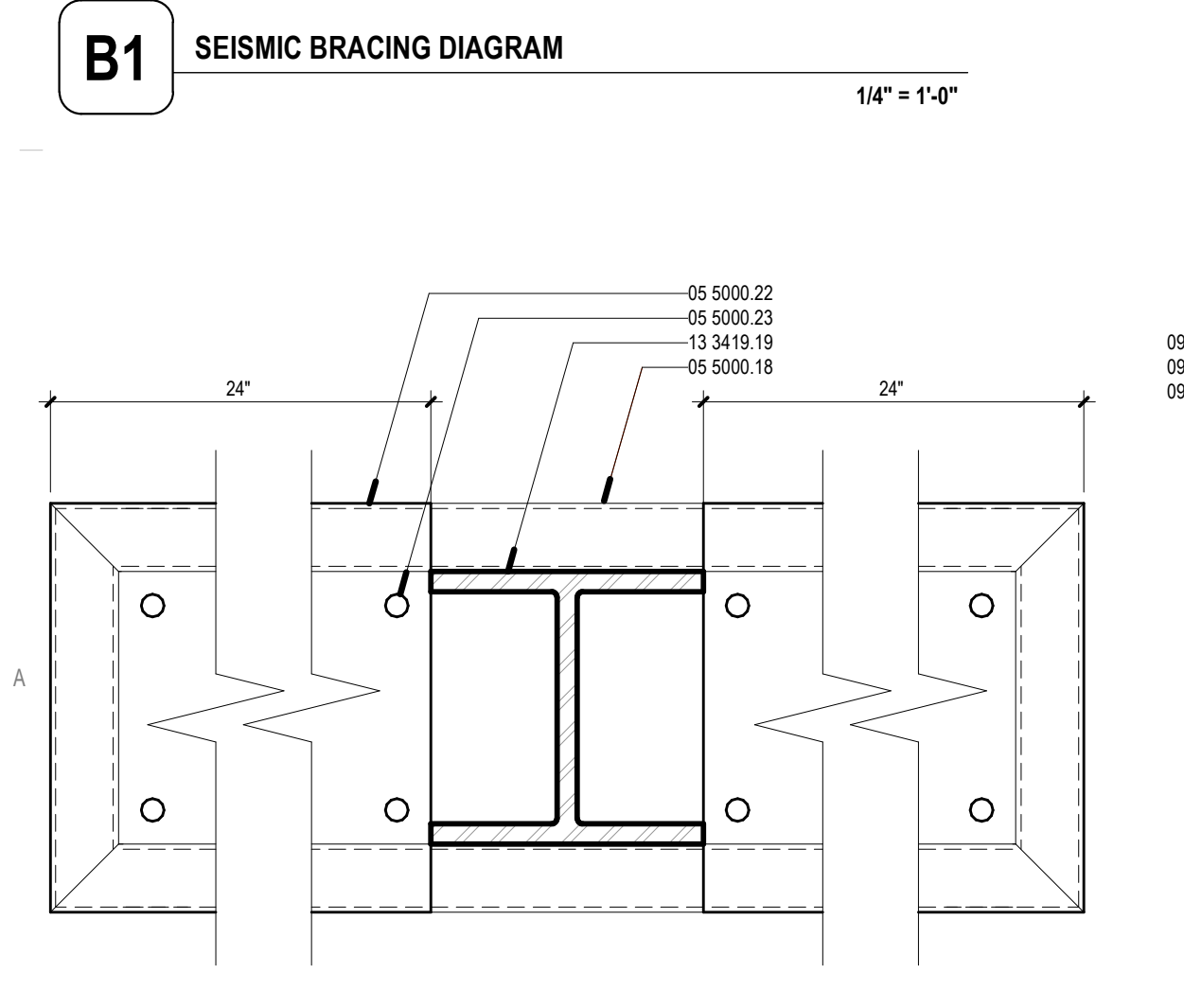


EMT SIZE	AREA (in ²)	R (in)	MAX HEIGHT
1/2"	0.888	0.238	48" OR 4'-0"
3/4"	0.134	0.339	62" OR 5'-2"
1"	0.198	0.392	78" OR 6'-6"
1 1/4"	0.295	0.511	102" OR 8'-6"
1 1/2"	0.342	0.593	118" OR 9'-10"

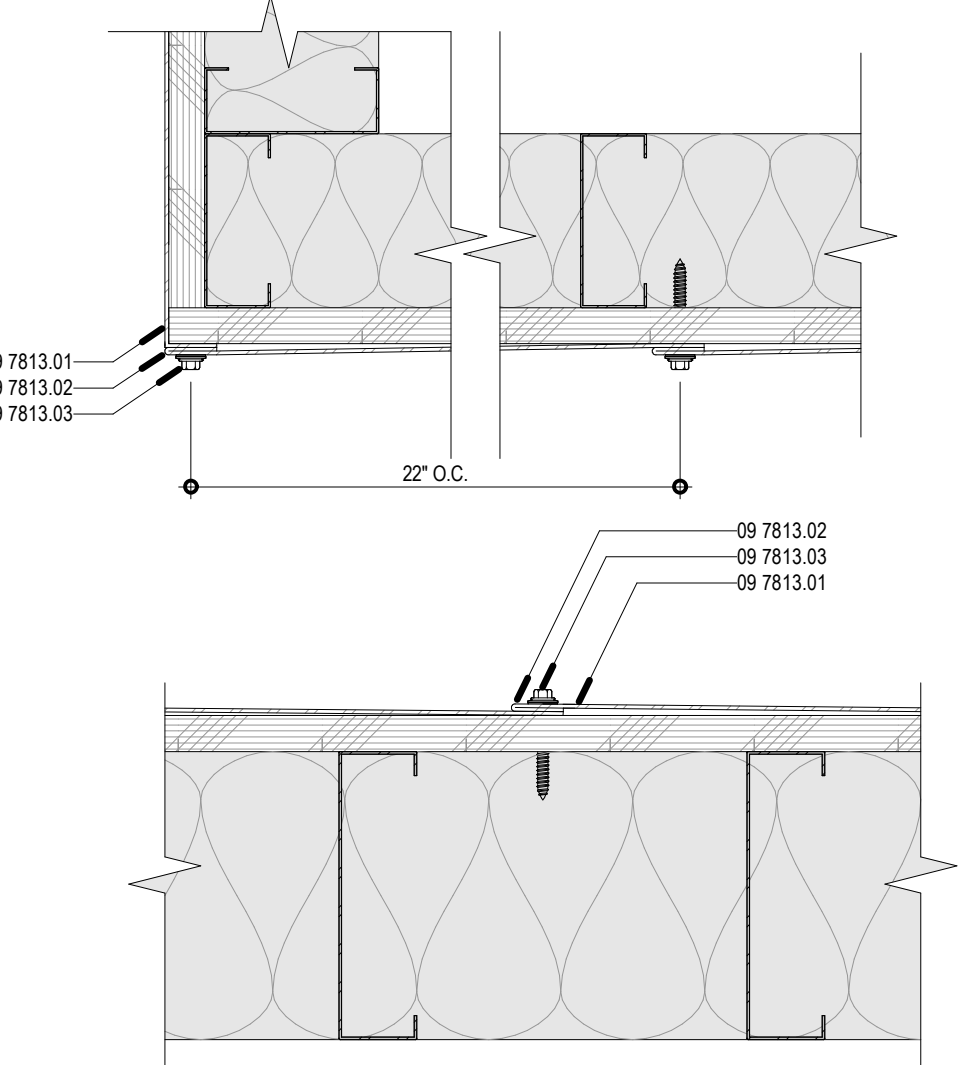
SINGLE STUD	AREA (in ²)	R (in)	MAX HEIGHT
25 GA X 2 1/2"	0.894	0.401	84" OR 7'-0"
25 GA X 3 1/2"	0.113	0.694	81" OR 6'-9"
20 GA X 1 5/8"	0.185	0.603	121" OR 10'-1"
20 GA X 2 1/2"	0.215	0.609	137" OR 11'-5"
20 GA X 3 1/2"	0.250	0.696	119" OR 9'-11"

DOUBLE STUD	AREA (in ²)	R (in)	MAX HEIGHT
25 GA X 2 1/2"	0.094	1.011	202" OR 16'-10"
25 GA X 3 1/2"	0.113	1.359	272" OR 18'-0"
20 GA X 1 5/8"	0.185	0.699	136" OR 11'-4"
20 GA X 2 1/2"	0.215	1.035	207" OR 17'-3"
20 GA X 3 1/2"	0.250	1.409	282" OR 23'-6"

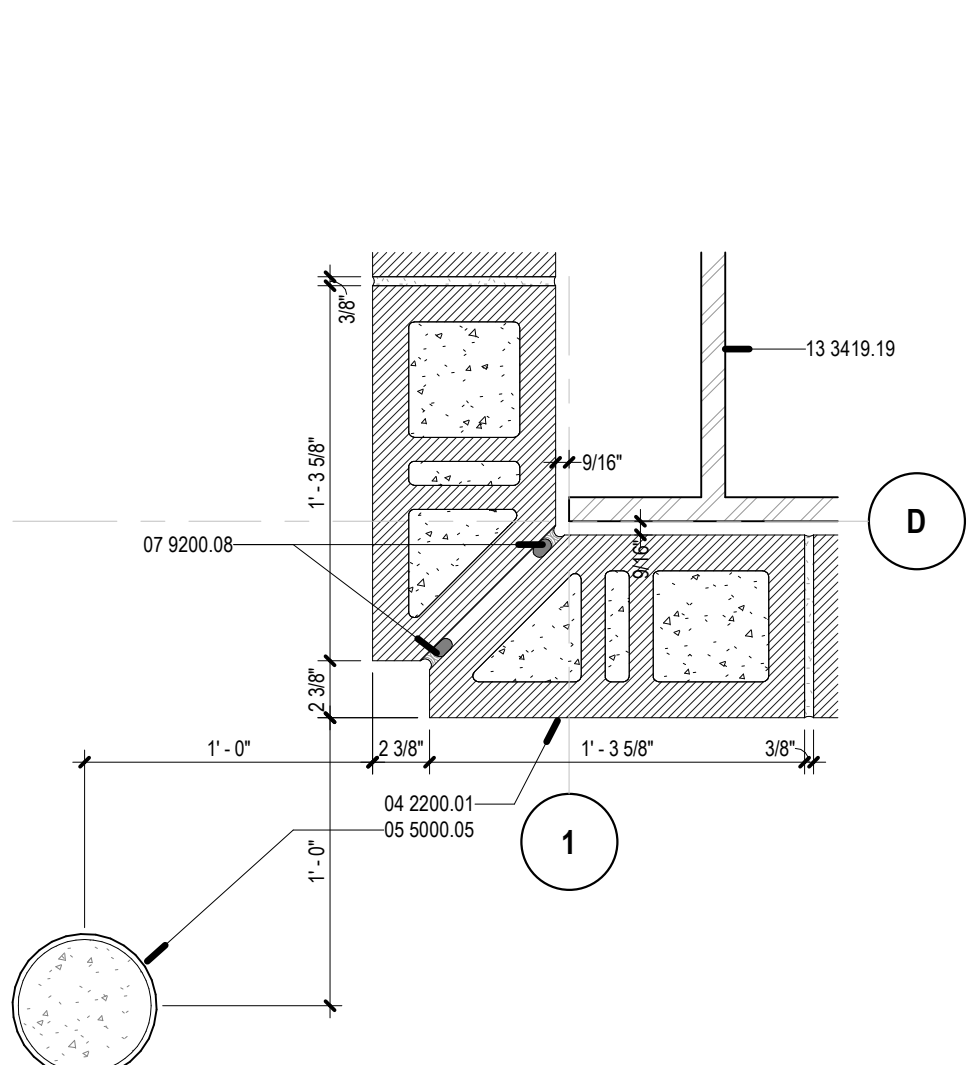
CONNECT DOUBLE STUDS W/ # 6 SCREWS @ 18" O.C. TO FORM TEE SECTION LIKE THIS:



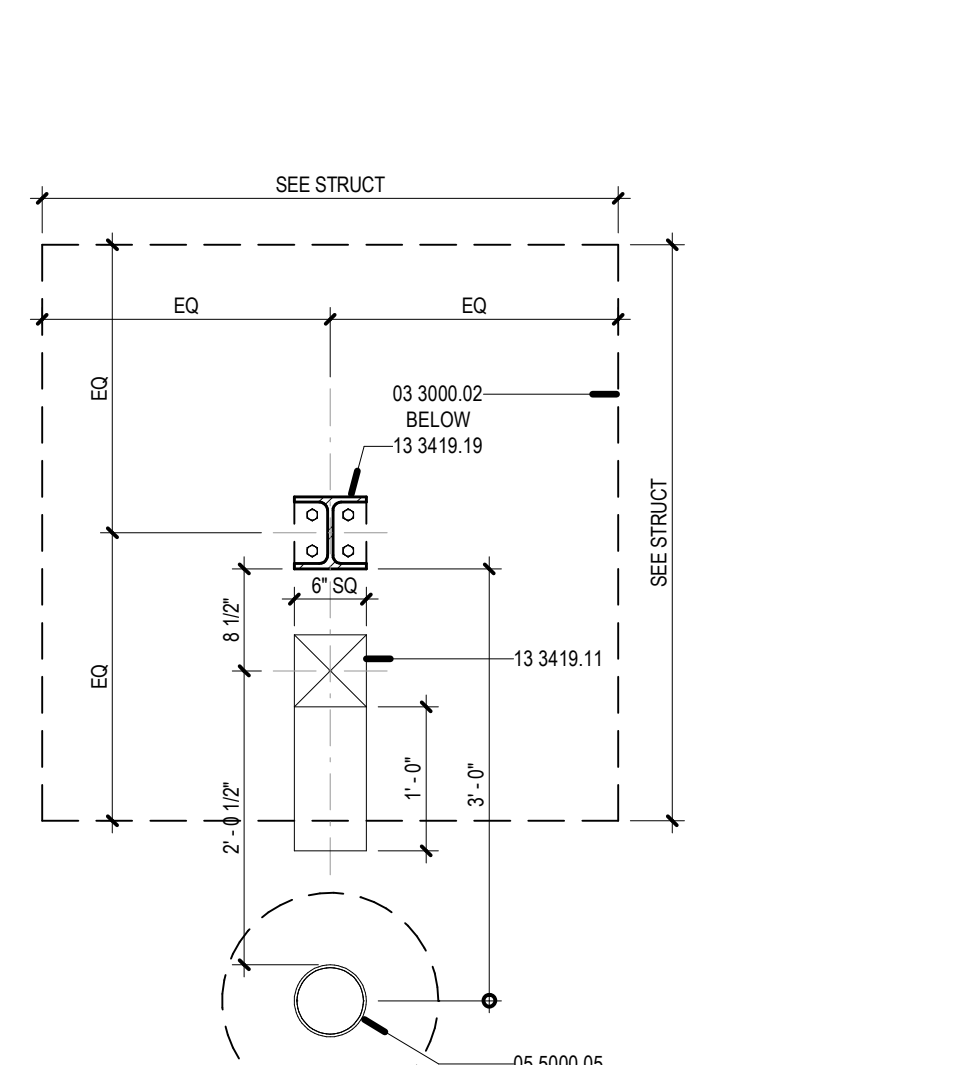
B1 SEISMIC BRACING DIAGRAM
1/4" = 1'-0"



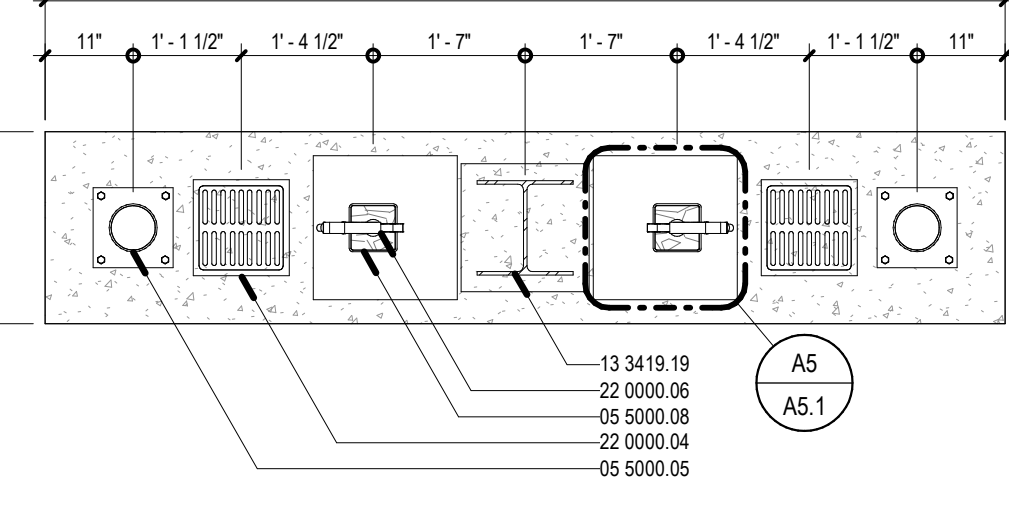
A2 PLAN DETAIL
3" = 1'-0"



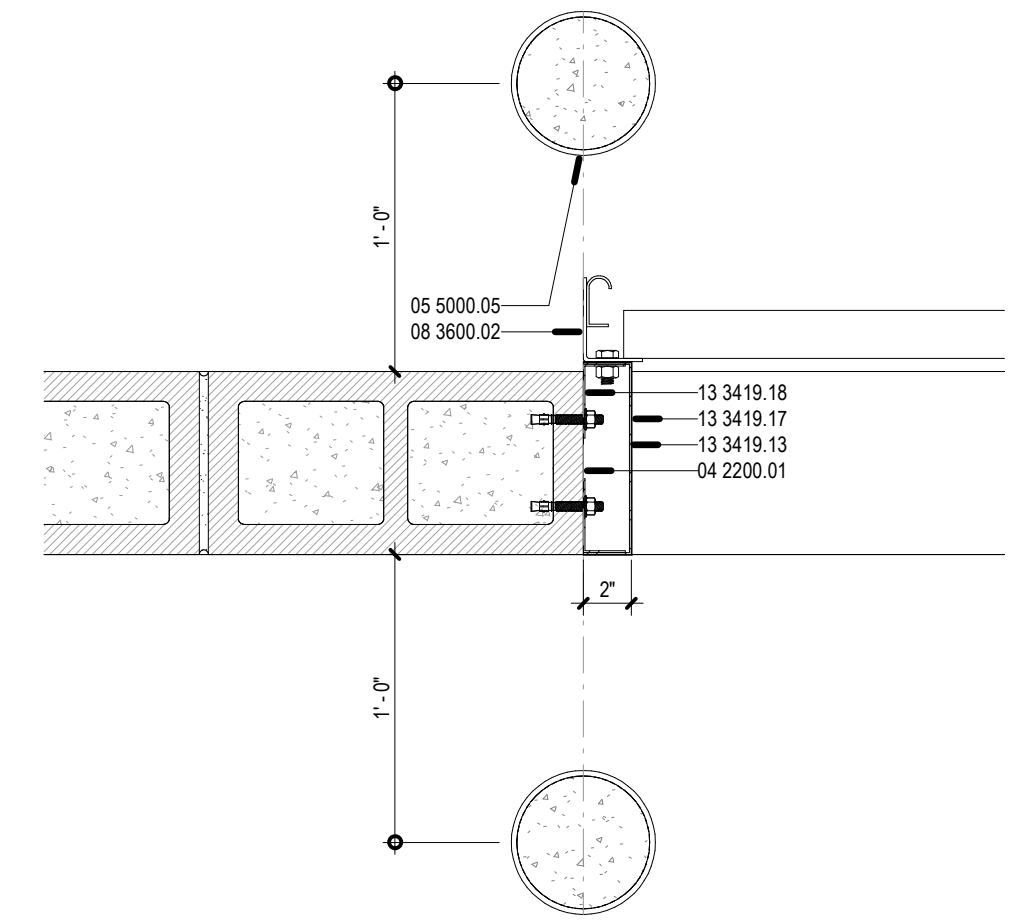
A3 PLAN DETAIL
1 1/2" = 1'-0"



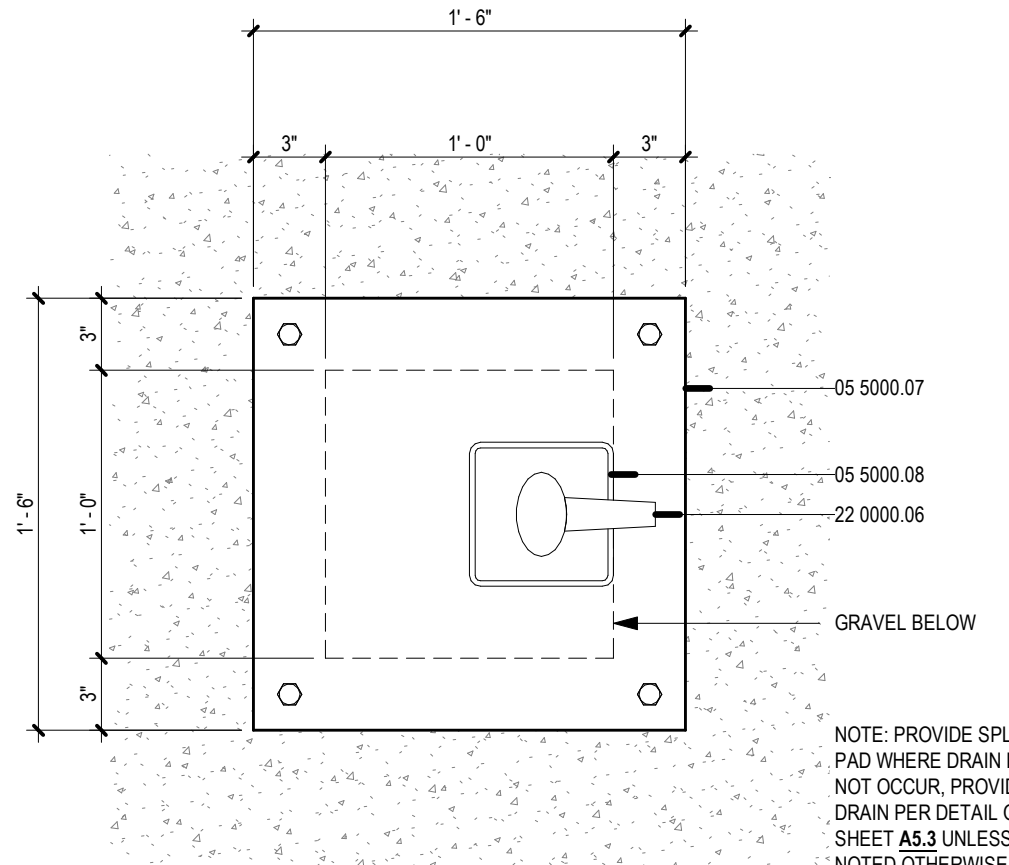
A4 PLAN DETAIL
3/4" = 1'-0"



C5 PLAN DETAIL
1/2" = 1'-0"



B5 PLAN DETAIL
1 1/2" = 1'-0"



A5 PLAN DETAIL
1 1/2" = 1'-0"

LEGEND

- 13 3419.02 8" WALL Z GIRT
- 13 3419.07 3/4" LINER PANEL
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.13 C CHANNEL FRAMING
- 13 3419.16 J TRIM
- 13 3419.17 SHEET METAL JAMB CAP TRIM, FINISH TO MATCH ADJACENT METAL PANELS
- 13 3419.18 1 3/4" X 3" STEEL ANGLE
- 13 3419.19 METAL BUILDING COLUMN
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING

KEY PLAN



REVISIONS

NO.	DATE	DESCRIPTION

NOTES

DRAWN BY: SS

REVIEWED BY: ST

DATE: 6/9/2023

PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME: PLAN DETAILS

A5.1

GENERAL SHEET NOTES

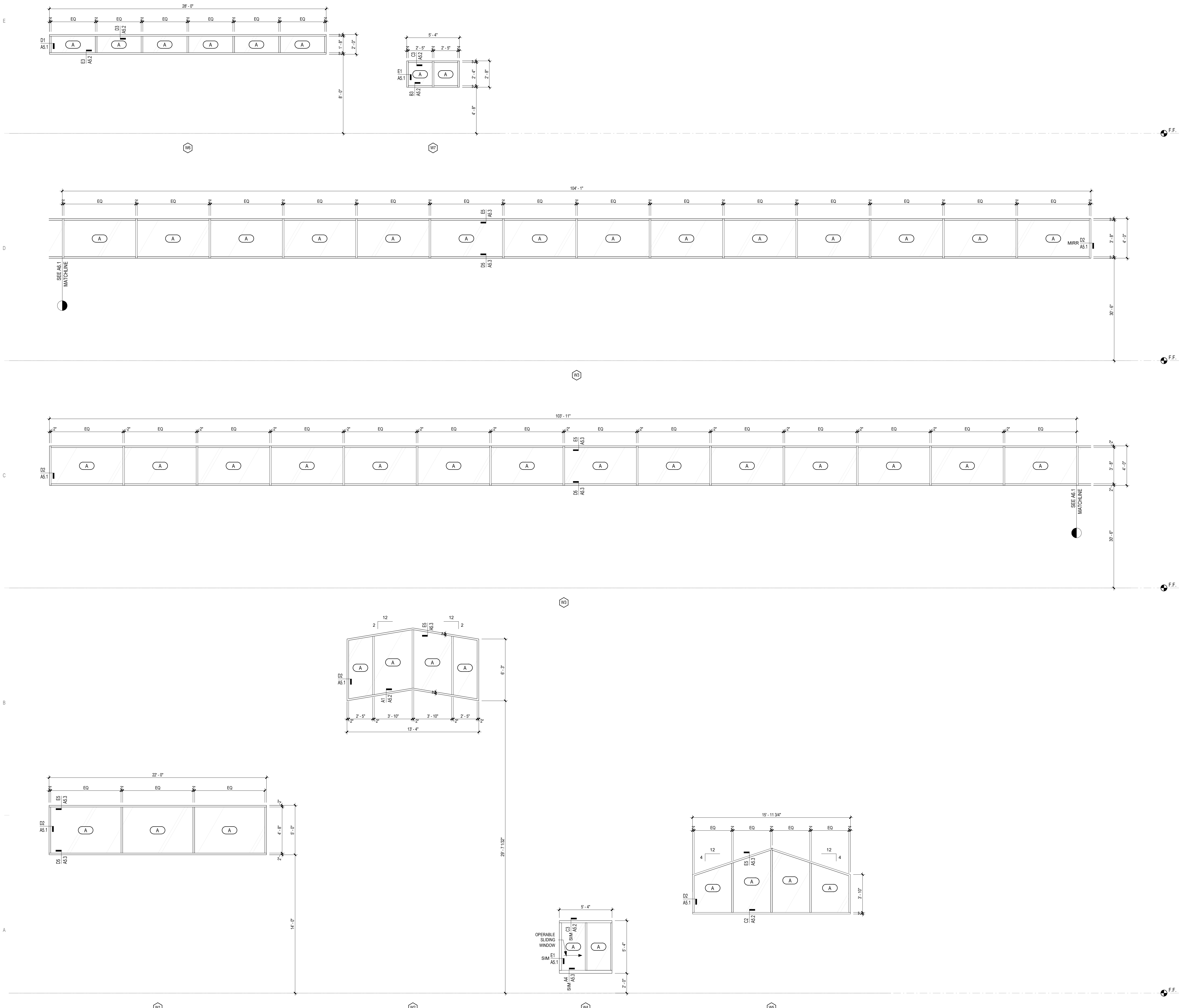
- A. REFER TO HEAD, JAMB AND SILL DETAILS FOR DETERMINING ROUGH WINDOW OPENINGS AND EXACT WINDOW SIZES. ALLOW FOR EXTERIOR SHEATHING, SLIDING SILLS AND SEALANT AS REQUIRED.
- B. ALL HOLLOW METAL FRAMES TO BE PAINTED U.O.
- C. FIELD VERIFY ALL R.O.D. PRIOR TO FABRICATION SIZE INDICATED AND NOTIFY ARCHITECT OR ANY DISCREPANCIES.
- D. ALL MULLIONS 2" X 4" U.O.
- E. REFER TO SPECIFICATIONS FOR DOOR HARDWARE SETS AND ADDITIONAL REQUIREMENTS.

FINISH LEGEND BASIS-OF-DESIGN PRODUCT

DESCRIPTIONS ARE NOT EXHAUSTIVE AND ARE INTENDED AS GENERAL LOCATIONS. REF. ELEVATIONS FOR SPECIFIC LOCATIONS. IN CASE OF DISCREPANCIES, ELEVATIONS SHALL OVERRIDE DESCRIPTIONS. ALL FINISH MATERIALS TO BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ARCHITECT.

- 03 3000 CONCRETE (C-X)**
C-1 TYPE SEALED
COLOR STANDARD GREY
- 04 2200 CONCRETE UNIT MASONRY (CMU-X)**
CMU-1 MFG (800) VERASTONE
COLOR VINTAGE, COLOR AND FINISH TO MATCH CMU @ EVENT CENTER
FINISH SMOOTH, SEALED
- 05 1526 WOOD PANEL PRODUCT SHEATHING (W-X)**
W-1 MFG (800) COLUMBIA FOREST PRODUCTS
COLOR NONE
FINISH EC/OB RD GRADE, B SIDE FACING INTERIOR SPACE, CLEAR FINISH
DESCRIPTION 4" X 8" PINE PLYWOOD
- 06 4023 WOOD CEILING (WC-X)**
WC-1 MFG (800) OLD WOOD LLC
SPECIES BETTELS KILL PINE
FINISH SANDED, CLEAR SEAL
DESCRIPTION 1/8" T&G SOLID WOOD BOARDS
- 09 6200 SPECIALTY FLOORING (SF-J)**
SF-1 MFG (800) FERRIS
COLOR BLACK
FINISH STANDARD
DESCRIPTION TROWEL-ON RESILIENT RUBBER FLOORING
- 09 7813 METAL INTERIOR WALL PANELING (M-X)**
M-1 MFG TBD
COLOR NONE
FINISH NONE
DESCRIPTION 22 GA GALVANIZED STEEL SHEET, 24" STRIPS
- 09 9123 PAINT (P-X)**
P-1 MFG SHERWIN WILLIAMS
COLOR WHITE SAND
SHEEN SEMI-GLOSS
NOTES TYPICAL EXPOSED STRUCTURE - DOORS & FRAMES
P-2 MFG SHERWIN WILLIAMS
COLOR SAFETY RED
SHEEN SEMI-GLOSS
- PAINT NOTES**
• PROVIDE DRAW-DOWNS OF ALL COLORS FOR REVIEW AND APPROVAL.
• USE SATIN ON INTERIOR WALLS. USE FLAT ON CEILING AND EXPOSED STRUCTURE AND SYSTEMS. USE SEMI-GLOSS ON STEEL ELEMENTS SUCH AS HM DOOR FRAMES AND COLLUMS.
• ALL HM FRAMES TO BE PAINTED WHITE, SEMI-GLOSS FINISH U.O.
• CONTRACTOR RESPONSIBLE FOR USING EXTERIOR GRADE PAINT AT ALL EXTERIOR METAL W/ PRIMER PER MANUFACTURERS RECOMMENDATION LOCATIONS INCLUDING BUT NOT LIMITED TO HOLLOW METAL DOORS AND FRAMES. (S) HOLLOW METAL FRAME SYSTEMS, WALLS, METAL DECORATIVE FENCING AND GATES, SHADE STRUCTURES, AWNINGS.
- 12 4813 ENTRANCE FLOOR MATS (EM-X)**
EM-1 MFG (800) CS GROUP
COLOR 9320 GRAPPHITE
THICKNESS 3/4" RECESS
- 13 3419 METAL BUILDING SYSTEMS (MP-X)**
MP-1 MFG (800) NUJCOR
COLOR BRUTE RED
FINISH STANDARD
DESCRIPTION BURN RED METAL BUILDING R-PANEL
MP-1 MFG (800) NUJCOR
COLOR REGAL WHITE
FINISH STANDARD
DESCRIPTION METAL BUILDING LINER PANEL

CURRY COUNTY LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
CONSTRUCTION DOCUMENTS



08 0000 - GLAZING SCHEDULE

MARK	TYPE
(A)	1" INSULATED, TEMPERED WHERE REQUIRED BY CODE
(B)	1/4" CLEAR FLOAT, TEMPERED WHERE REQUIRED BY CODE

REVISIONS

NOTES

DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003

NORTH + SCALE

DRAWING NAME
EXTERIOR FRAMED OPENING ELEVATIONS

A6.1

GENERAL SHEET NOTES

- A. REFER TO HEAD, JAMB AND SILL DETAILS FOR DETERMINING ROUGH WINDOW OPENINGS AND EXACT WINDOW SIZES. ALLOW FOR EXTERIOR SHEATHING, SLIPING SILLS AND SEALANT AS REQUIRED.
- B. ALL HOLLOW METAL FRAMES TO BE PAINTED UNO.
- C. FIELD VERIFY ALL R.O.D. PRIOR TO FABRICATION SIZE INDICATED AND NOTIFY ARCHITECT OR ANY DISCREPANCIES.
- D. ALL HOLLOW METAL TO BE 14 GA UNO.
- E. REFER TO SPECIFICATIONS FOR DOOR HARDWARE SETS AND ADDITIONAL REQUIREMENTS.

FINISH LEGEND BASIS-OF-DESIGN PRODUCT

DESCRIPTIONS ARE NOT EXHAUSTIVE AND ARE INTENDED AS GENERAL LOCATIONS. REF. ELEVATIONS FOR SPECIFIC LOCATIONS. IN CASE OF DISCREPANCIES, ELEVATIONS SHALL OVERIDE DESCRIPTIONS. ALL FINISH MATERIALS TO BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ARCHITECT.

- 03 3000 CONCRETE (C-X)**
 - C1 TYPE SEALED
 - C1 FINISH STANDARD GRCY
- 04 2200 CONCRETE UNIT MASONRY (CM-U)**
 - CM-U1 MFG (800) VERASTONE
 - CM-U1 COLOR VINTAGE, COLOR AND FINISH TO MATCH CMU @ EVENT CENTER
 - CM-U1 FINISH SMOOTH, SEALED
- 05 1520 WOOD PANEL PRODUCT SHEATHING (W-X)**
 - W-X1 MFG (800) COLUMBIA FOREST PRODUCTS
 - W-X1 COLOR NONE
 - W-X1 FINISH 800 RD GRADE, B SIDE FACING INTERIOR SPACE, CLEAR FINISH
 - W-X1 DESCRIPTION 4" X 8" PINE PLYWOOD
- 04 4023 WOOD CEILING (WC-X)**
 - WC-1 MFG (800) OLD WOOD LLC
 - WC-1 SPECIES BETTEL KILL PINE
 - WC-1 FINISH SANDED, CLEAR SEAL
 - WC-1 DESCRIPTION 1X8 T&G SOLID WOOD BOARDS
- 09 6200 SPECIALTY FLOORING (SF-1)**
 - SF-1 MFG (800) PERM
 - SF-1 COLOR BLACK
 - SF-1 FINISH STANDARD
 - SF-1 DESCRIPTION TRIMEL-ON RESILIENT RUBBER FLOORING
- 09 7813 METAL INTERIOR WALL PANELING (M-X)**
 - M-1 MFG TBD
 - M-1 COLOR NONE
 - M-1 FINISH NONE
 - M-1 DESCRIPTION 22 GA GALVANIZED STEEL SHEET, 24" STRIPS
- 09 9123 PAINT (P-X)**
 - P-1 MFG SHERWIN WILLIAMS
 - P-1 COLOR WHITE SAND
 - P-1 SHEEN SEMI-GLOSS
 - P-1 NOTES TYPICAL EXPOSED STRUCTURE - DOORS & FRAMES
 - P-2 MFG SHERWIN WILLIAMS
 - P-2 COLOR SAFETY RED
 - P-2 SHEEN SEMI-GLOSS
- PAINT NOTES**
 - PROVIDE DRAW-DOWNS OF ALL COLORS FOR REVIEW AND APPROVAL.
 - USE SATIN ON INTERIOR WALLS. USE FLAT ON CEILING AND EXPOSED STRUCTURE AND SYSTEMS. USE SEMI-GLOSS ON STEEL ELEMENTS SUCH AS HM DOOR FRAMES AND COLUMNS.
 - ALL HM FRAMES TO BE PAINTED WHITE, SEMI-GLOSS FINISH UNO.
 - CONTRACTOR RESPONSIBLE FOR USING EXTERIOR GRADE PAINT AT ALL EXTERIOR METAL W/ PRIMER PER MANUFACTURERS RECOMMENDATION. LOCATIONS INCLUDING BUT NOT LIMITED TO HOLLOW METAL DOORS AND FRAMES, (E) HOLLOW METAL FRAME SYSTEMS, WALLS, METAL DECORATIVE FENCING AND GATES, SHADE STRUCTURES, AWNINGS.
- 12 4813 ENTRANCE FLOOR MATS (EM-X)**
 - EM-1 MFG (800) CS GROUP
 - EM-1 COLOR 9200 GRAPHITE
 - EM-1 THICKNESS 3/4" RECESS
- 13 3419 METAL BUILDING SYSTEMS (MP-X)**
 - MP-1 MFG (800) NUCOR
 - MP-1 COLOR BRITE RED
 - MP-1 FINISH STANDARD
 - MP-1 DESCRIPTION BURN RED METAL BUILDING R-PANEL
 - MP-1 MFG (800) NUCOR
 - MP-1 COLOR REGAL WHITE
 - MP-1 FINISH STANDARD
 - MP-1 DESCRIPTION METAL BUILDING LINER PANEL

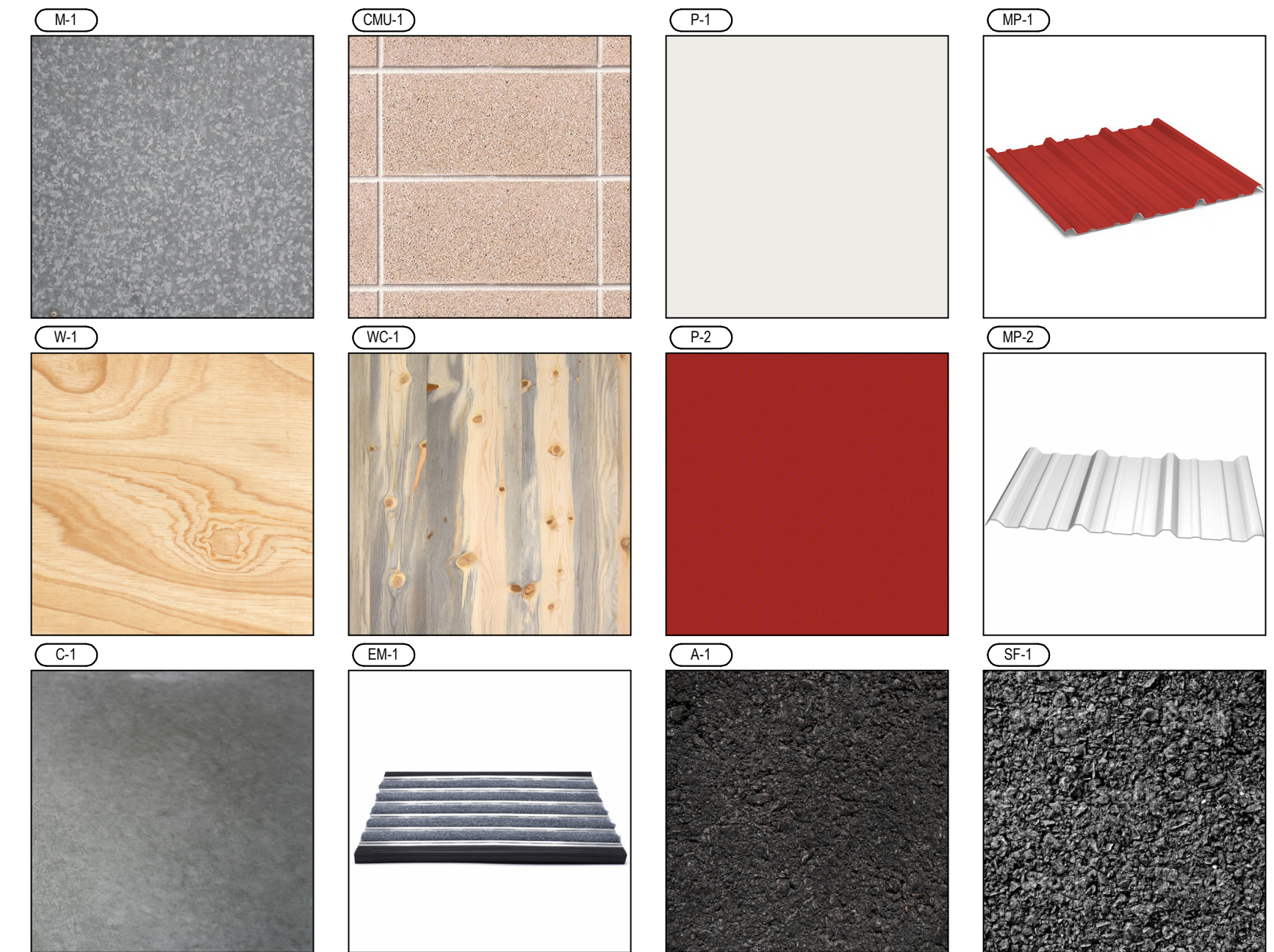
OVERHEAD DOOR SCHEDULE											
MARK	ROOM NAME / LOCATION	EGRESS HARDWARE	ACCESS CONTROL	DOOR				FRAME TYPE	FIRE RATING	NOTES	
				WIDTH	HEIGHT	THK	TYPE				
105A	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105D	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105E	LIVESTOCK PAVILION			13'-4"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105F	LIVESTOCK PAVILION			13'-4"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105H	LIVESTOCK PAVILION			13'-4"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105I	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105L	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105M	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105N	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105O	LIVESTOCK PAVILION			13'-4"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105P	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105Q	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105R	LIVESTOCK PAVILION			13'-4"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105S	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105T	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105U	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105V	LIVESTOCK PAVILION			13'-4"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105W	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		
105X	LIVESTOCK PAVILION			16'-0"	12'-0"	1 1/2"	STL	NA	MANUAL CHAIN OPERATION		

ALUMINUM DOOR & FRAME SCHEDULE											
NUMBER	ROOM NAME / LOCATION	EGRESS HARDWARE	ACCESS CONTROL	DOOR				FRAME TYPE	FIRE RATING	REMARKS	
				WIDTH	HEIGHT	THK	TYPE				
101A	VESTIBULE	•		6'-3.58"	7'-2"	1.34"	A	AL	1	NA	
101B	VESTIBULE	•		6'-3.58"	7'-2"	1.34"	A	AL	1	NA	
101C	VESTIBULE	•		6'-3.58"	7'-2"	1.34"	B	AL	1	NA	
101D	VESTIBULE	•		6'-3.58"	7'-2"	1.34"	B	AL	1	NA	

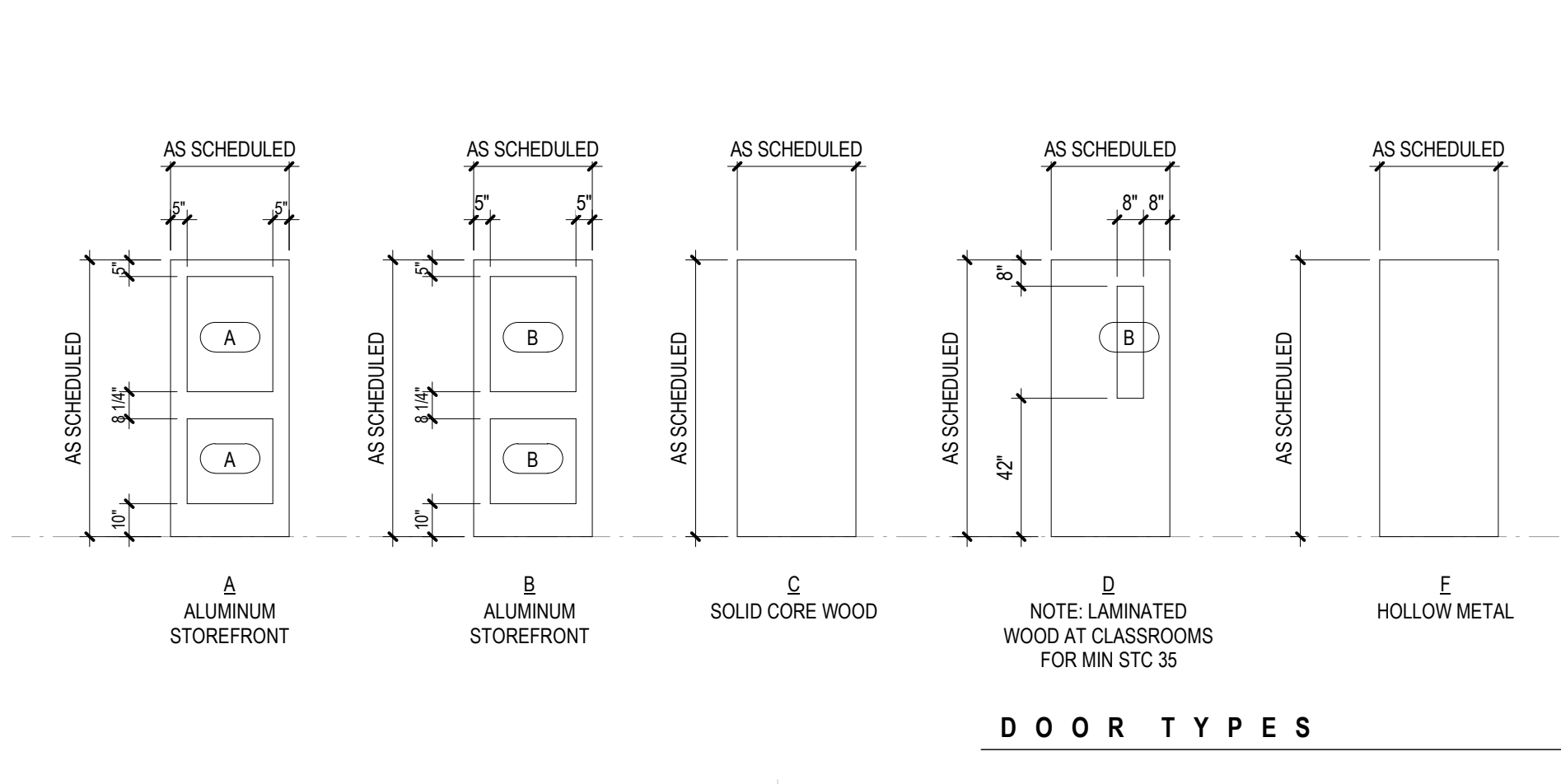
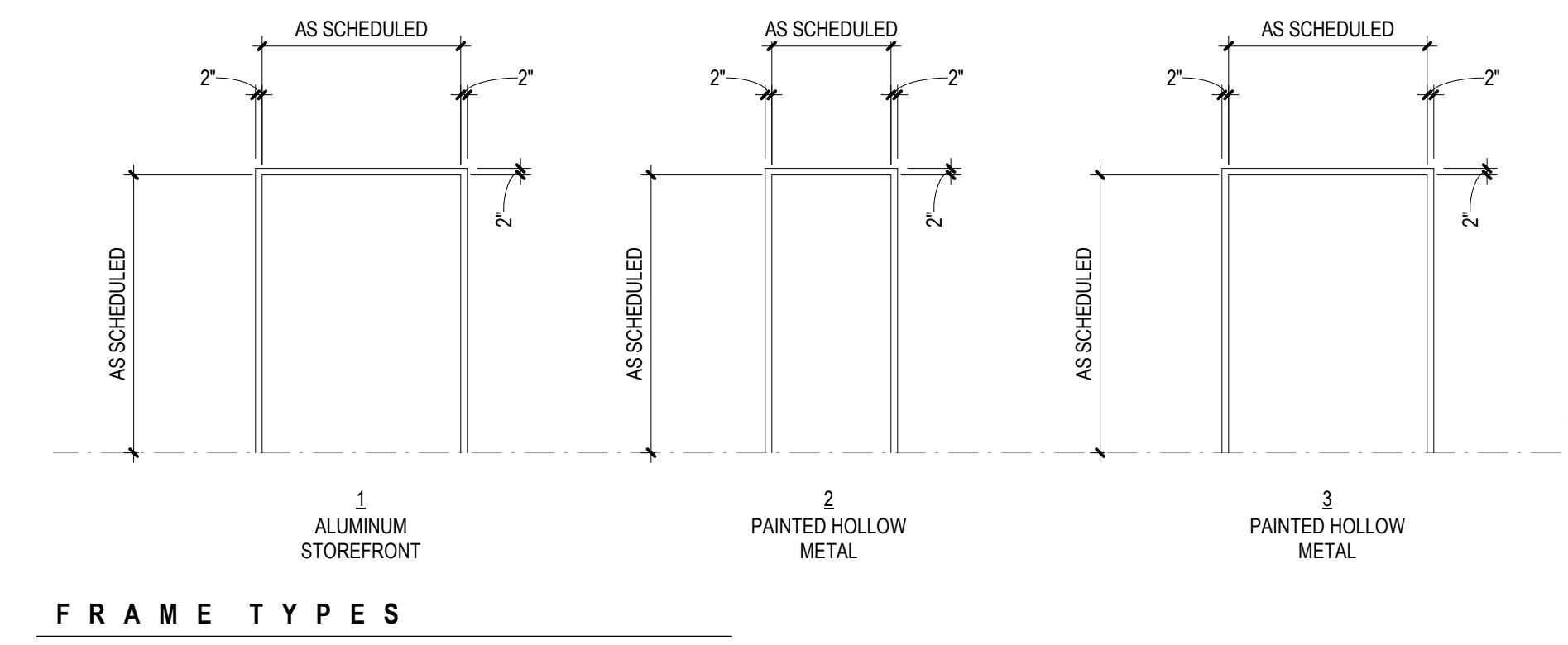
SIGNAGE SCHEDULE					
RM #	ROOM NAME	MOUNTING HEIGHT	LOCATION	SIGN TEXT	NOTES
102	MENS TOILET ROOM	48"	BESIDE DOOR	MEN	
105	WOMENS TOILET ROOM	48"	BESIDE DOOR	WOMEN	
115	FIRE RISER	48"	BESIDE DOOR	FIRE RISER	
108	FIRE RISER	48"	BESIDE DOOR	FIRE RISER	

DOOR + FRAME SCHEDULE											
MARK	ROOM NAME / LOCATION	EGRESS HARDWARE	ACCESS CONTROL	DOOR				FRAME TYPE	FIRE RATING	NOTES	
				WIDTH	HEIGHT	THK	TYPE				
102A	MENS TOILET ROOM			3'-0"	7'-2"	1.34"	F	HM	2	NA	
102B	MENS TOILET ROOM			3'-0"	7'-2"	1.34"	F	HM	2	NA	
102A	IT			3'-8"	7'-2"	1.34"	F	HM	2	NA	
105A	ELEC	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105A	WOMENS TOILET ROOM			3'-0"	7'-2"	1.34"	F	HM	2	NA	
105B	WOMENS TOILET ROOM			3'-0"	7'-2"	1.34"	F	HM	2	NA	
105B	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105C	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105D	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105E	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105F	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105G	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105H	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105I	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105J	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105K	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105L	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105M	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105N	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105O	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105P	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105Q	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105R	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105T	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105U	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105V	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105W	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
105X	LIVESTOCK PAVILION	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
107A	JANITOR CLOSET			3'-8"	7'-2"	1.34"	F	HM	2	NA	
108A	FIRE RISER			3'-8"	7'-2"	1.34"	F	HM	2	NA	
113A	IT			3'-8"	7'-2"	1.34"	F	HM	2	NA	
114A	ELEC	•		3'-8"	7'-2"	1.34"	F	HM	2	NA	
115A	FIRE RISER			3'-8"	7'-2"	1.34"	F	HM	2	NA	
117A	OFFICE			3'-8"	7'-2"	1.34"	D	HM	2	NA	
117B	OFFICE			3'-8"	7'-2"	1.34"	D	HM	2	NA	
117B	STORAGE			3'-0"	7'-2"	1.34"	F	HM	2	NA	
118A	TOILET			3'-0"	7'-2"	1.34"	F	HM	2	NA	

NOTE: ALL ACCESSIBLE DOORS SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. MAXIMUM OPERATING FORCE FOR ALL DOORS SHALL BE 5 LBS. PANIC HARDWARE SHALL REQUIRE NO MORE THAN 15 LBS OF PRESSURE TO RELEASE DOOR LATCH. DOOR HARDWARE SHALL BE MOUNTED A MINIMUM OF 34" AND A MAXIMUM OF 48" AFF.
NOTE: GC TO VERIFY ALL ROUGH OPENINGS PRIOR TO FRAME FABRICATION, AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
NOTE: HARDWARE FINISH TO BE BRUSHED STAINLESS OR OTHERWISE A SILVER FINISH
NOTE: SPECIFIC HARDWARE COMPONENTS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL. GC AND DOOR SUPPLIER SHALL PROVIDE ALL HARDWARE NECESSARY FOR A COMPLETE JOB.
NOTE: EACH DOOR TO HAVE:
• 3 EA HINGE
• 1 EA SILENCER
• 1 EA WALL STOP
• 1 EA KICKPLATE (1 PER SIDE) 1 CLOSER



MATERIALS LEGEND
NTS



08 0000 - GLAZING SCHEDULE

MARK	TYPE
A	1" INSULATED, TEMPERED WHERE REQUIRED BY CODE
B	1/4" CLEAR FLOAT, TEMPERED WHERE REQUIRED BY CODE

CURRY COUNTY
LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
CONSTRUCTION DOCUMENTS



REVISIONS

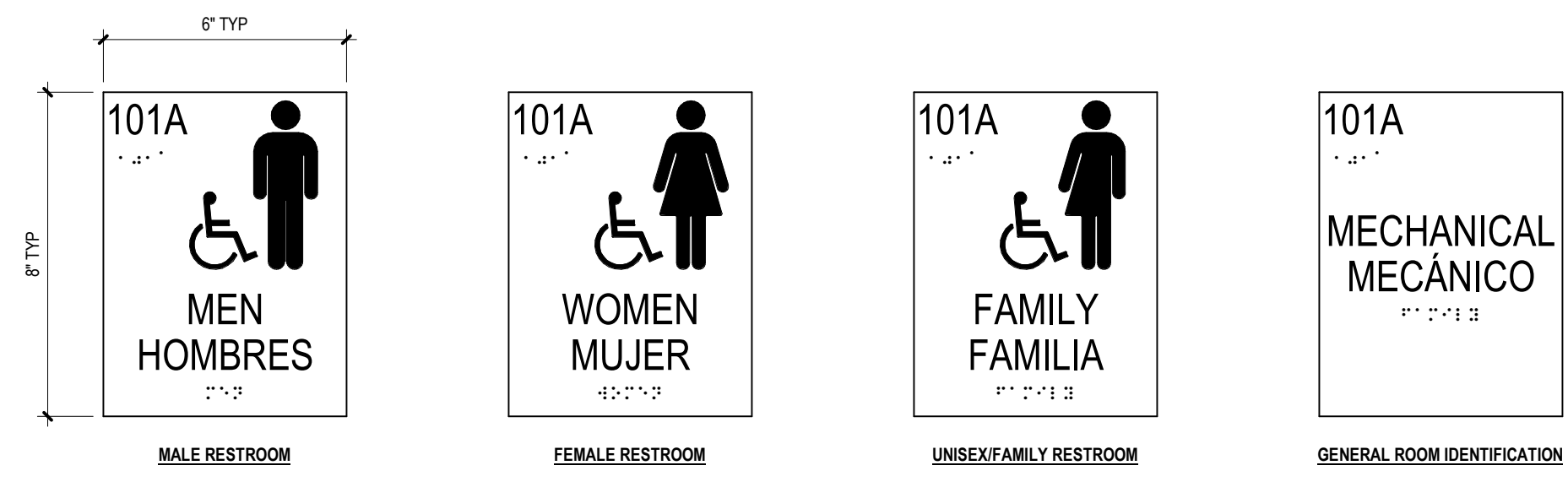
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

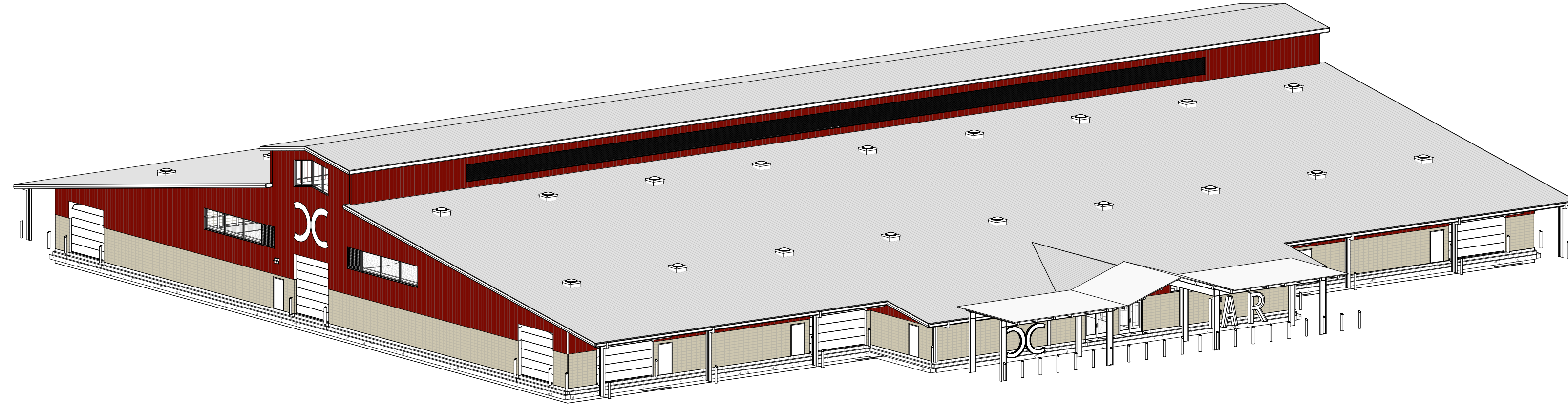
NORTH = SCALE

DRAWING NAME
SCHEDULES + FINISH LEGEND

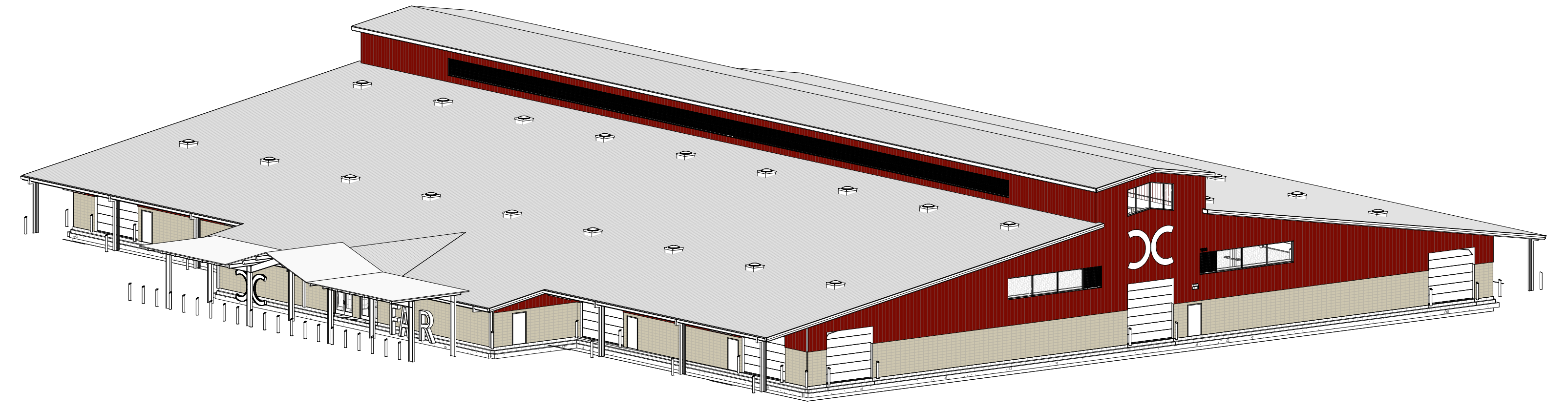
A6.2



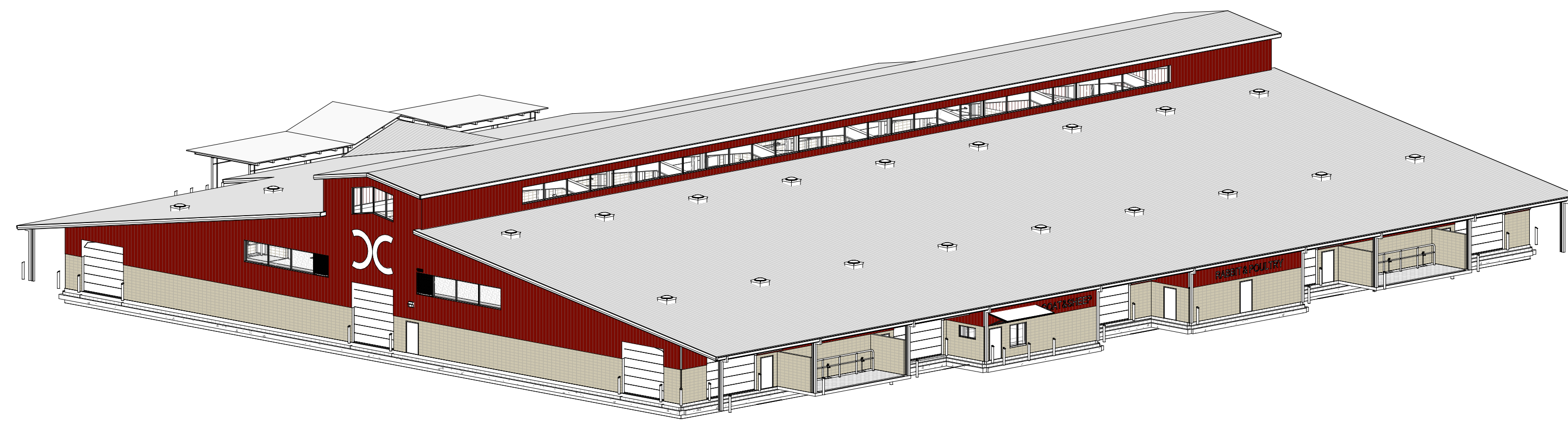
NOTE: ALL ROOM NAME AND NUMBERS ARE REPRESENTATIONAL. PLEASE SEE FLOOR PLAN AND ROOM SCHEDULE FOR ACTUAL NAMES AND NUMBERS. CONTRACTOR TO PROVIDE AND INSTALL ALL CODE AND AHJ REQUIRED SIGNAGE.



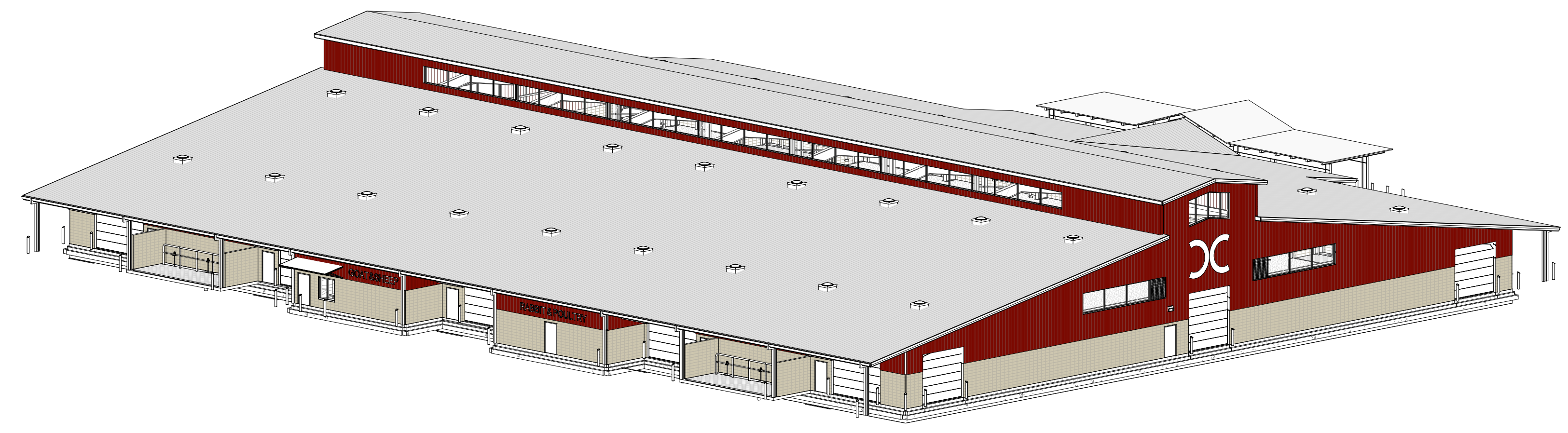
D1 SOUTHWEST ISO



D4 SOUTHEAST ISO



A1 NORTHEAST ISO



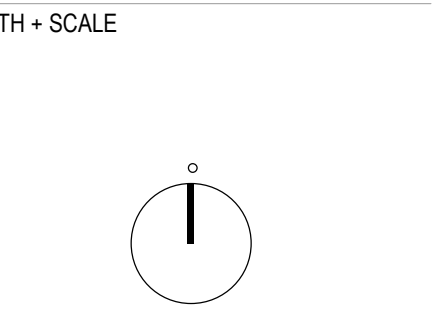
A4 NORTHWEST ISO

REVISIONS

△	

NOTES

DRAWN BY SS
REVIEWED BY ST
DATE 6/9/2023
PROJECT NO #23-0003



DRAWING NAME
**3D PERSPECTIVES -
FOR REFERENCE ONLY**

PLUMBING SYMBOL LEGEND

MEDICAL GAS SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
MA	MA	MEDICAL AIR
N	N	NITROGEN
NO	NO	NITROUS OXIDE
O	O	OXYGEN
MV	MV	MEDICAL VACUUM
IA	IA	INSTRUMENT AIR
WAGD	WAGD	WASTE ANESTHESIA GAS DISPOSAL
DA	DA	DENTAL AIR
DV	DV	DENTAL VACUUM
		EXISTING PIPING
		ALARM PANEL (IN WALL)
		MEDICAL VALVE BOX
		MEDICAL GAS DROP

PROCESS GASES

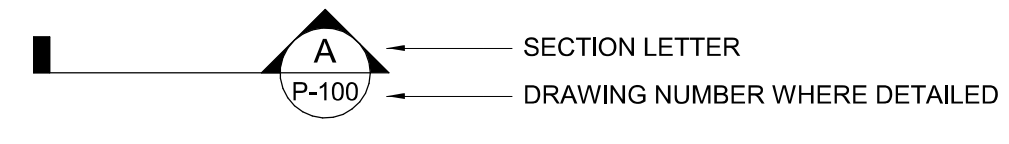
SYMBOL	ABBREVIATION	DESCRIPTION
	CDA	COMPRESSED DRY AIR
	CO2	CARBON DIOXIDE
	AR	ARGON
	AC	ACETYLENE
	HE	HELIUM
	H	HYDROGEN
	LN	LIQUID NITROGEN
	LOX	LIQUID OXYGEN
	O	OXYGEN

PLUMBING FIXTURE & EQUIPMENT SYMBOL

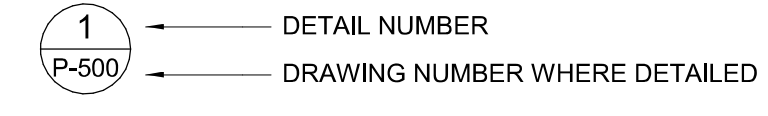
LETTER REFERS TO PLUMBING FIXTURE	LETTER REFERS TO PLUMBING EQUIPMENT
P## - NUMBER AND/OR LOWERCASE LETTER REFERS TO SPECIFIC CATEGORY	TMV-1 - NUMBER REFERS TO SPECIFIC EQUIPMENT IDENTIFIED IN EQUIPMENT SCHEDULE
SYMBOL INDICATES FIXTURE IDENTIFIED IN FIXTURE SCHEDULE ex. P14 WATER CLOSET (BARRIER FREE)	SYMBOL INDICATES EQUIPMENT IDENTIFIED IN EQUIPMENT SCHEDULE
P1 WATER CLOSETS	TMV-1 THERMOSTATIC MIXING VALVE
P2 URINALS	DWH-1 DOMESTIC WATER HEATER
P3 LAVATORIES	EW-1 ELECTRIC WATER HEATER
P4 SINKS	IWH-1 INSTANTANEOUS WATER HEATER
P5 SERVICE SINKS	RCP-1 RECIRCULATION PUMP
P6 WATER COOLERS/DRINKING FOUNTAINS	EXP-1 EXPANSION TANK
P7 SHOWERS/BATHTUBS	RPZ-1 REDUCED PRESSURE ZONE BACKFLOW
P8 WATER HAMMERS/SHOCK ABSORBERS	BFP-1 DOUBLE CHECK BACKFLOW
P9 HOSE BIBBS	GI-1 GREASE INTERCEPTOR
P10 HYDRANTS	OI-1 OIL INTERCEPTOR
P11 SUPPLY BOXES	OS-1 OIL/SAND INTERCEPTOR
P12 WASHER BOXES	AN-1 ACID NEUTRALIZER
P13 EYEWASH/EYEWASH SHOWERS	LI-1 LINT INTERCEPTOR
P14 CLINIC SINKS	GM-1 GAS METER
P15 TRAP PRIMER	REG-1 REGULATOR
FD1 FLOOR DRAINS	PRV-1 PRESSURE REDUCING VALVE
FS1 FLOOR SINKS	
RD1 ROOF DRAINS	
ORD1 OVERFLOW DRAINS	
DSN1 DOWNSPOUT NOZZLES	
AD1 AREA DRAINS	
DD1 DECK DRAINS	

NOTE: NOT ALL FIXTURE & EQUIPMENT SYMBOLS APPLY TO THIS PROJECT

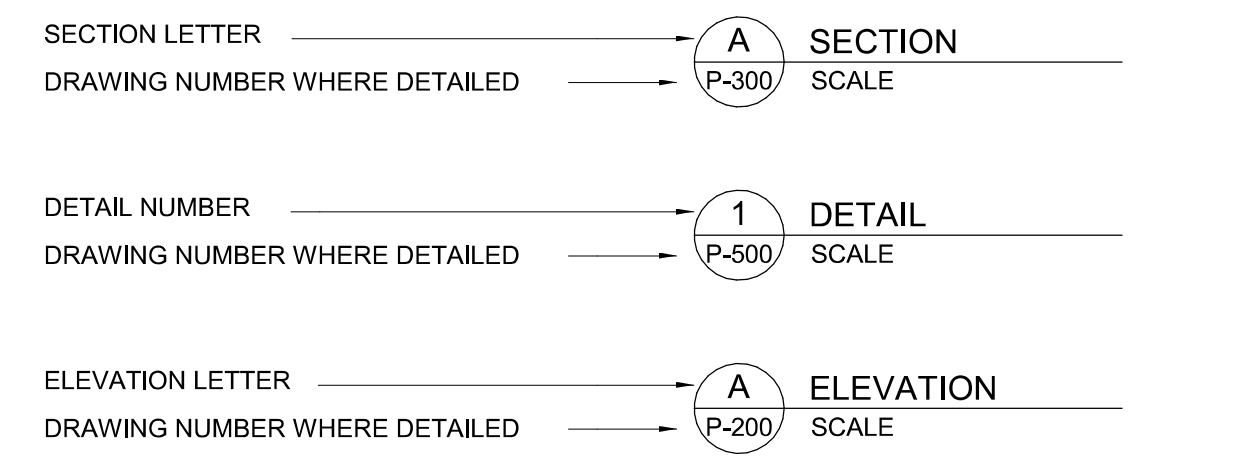
SECTION SYMBOL



DETAIL SYMBOL



SECTION, ELEVATION, AND DETAIL TITLES



PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	AV	ACID VENT
	AW	ACID WASTE
	CA	COMPRESSED AIR
	CD	CONDENSATE DRAIN
	DCW	DOMESTIC COLD WATER
	DHW	DOMESTIC HOT WATER
	DHWR	DOMESTIC HOT WATER RETURN
	DHW 140°F	140° DOMESTIC HOT WATER
	DHWR 140°F	140° DOMESTIC HOT WATER RETURN
	ROS	REVERSE OSMOSIS SUPPLY
	ROR	REVERSE OSMOSIS RETURN
	MU	MAKE-UP WATER
	NPW	NON-POTABLE WATER
	V	VENT
	DIS	DEIONIZED WATER SUPPLY
	DIR	DEIONIZED WATER RETURN
	SAN	SANITARY SEWER
	GW	GREASE WASTE
	GV	GREASE VENT
	RD	STORM/ROOF DRAIN
	ORD	OVERFLOW ROOF DRAIN
	LPG	LIQUEFIED PETROLEUM GAS
	G	NATURAL GAS-LOW PRESSURE
	NGM	NATURAL GAS-MEDIUM PRESSURE
	NGH	NATURAL GAS-HIGH PRESSURE
	IRR	IRRIGATION
	SCW	SOFT COLD WATER
	SHW	SOFT HOT WATER
	TWR ()	TEMPERED WATER RETURN (TEMP °F)
	TW ()	TEMPERED WATER (TEMP °F)
	PD	PUMPED DISCHARGE LINE
	ICW	INDUSTRIAL COLD WATER
	IHW	INDUSTRIAL HOT WATER
	IHW	INDUSTRIAL HOT WATER RETURN
	INW	INDUSTRIAL WASTE
	IA	INSTRUMENT COMPRESSED AIR
	IW	INDIRECT WASTE
	LA	LAB COMPRESSED AIR

SITE UTILITY SYMBOLS

DESCRIPTION	NEW	EXISTING
SANITARY SEWER	S	EX. S
COLD WATER SUPPLY	W	EX. W
FIRE PROTECTION	F	EX. F
NATURAL GAS	G	EX. G
STORM DRAIN	SD	EX. SD
IRRIGATION	IRR	EX. IRR
VALVE WITH VALVE BOX	F.H.	F.H.(E)
FIRE HYDRANT	F.D.C.	F.D.C.
FIRE DEPARTMENT INLET CONNECTION	F.D.C.	F.D.C.
CONSTRUCTION		
THRUST BLOCK	▲	▲
CLEANOUT	SAS	SAS
POWER POLE	PP	PP
FENCING		
LIGHT POLE	LP	LP
WATER METER	WM	WM
NATURAL GAS METER	GM	GM
GATE VALVE		
VALVE IN RISER	PIV	PIV
POST INDICATOR VALVE		
REDUCED PRESSURE BACKFLOW PREVENTER		
SANITARY MANHOLE	SAS	SAS
SLOPE AND LINEAL FOOTAGE	25° OF 6" @ 0.15% SLOPE	

VALVE SYMBOLS

SYMBOL	DESCRIPTION
	GATE VALVE
	GLOBE VALVE
	SOLENOID VALVE
	OS&Y VALVE
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	PLUG VALVE
	BALANCING VALVE/CIRCUIT SETTER DEVICE
	PRESSURE REDUCING VALVE
	REGULATING/SUSTAINING VALVE
	2-WAY CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	FUEL GAS PRESSURE REGULATOR
	PRESSURE RELIEF VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	DRAIN VALVE
	VALVE IN VERTICAL
	FLOW SWITCH
	DIAPHRAGM (PROCESS SYSTEMS)
	REDUCED PRESSURE BACKFLOW PREVENTER (RPZ)
	ATMOSPHERIC VACUUM BREAKER
	PRESSURE STYLE VACUUM BREAKER

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
AVTR	ACID RESISTANT VENT THROUGH ROOF
B.C.	BALANCING COCK
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CWB	CLOTHES WASHER BOX
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CP	CIRCULATION PUMP
CWV	COMBINATION WASTE AND VENT
DCO	DOUBLE CLEANOUT
DCOTG	DOUBLE CLEANOUT TO GRADE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
EL	ELEVATION
EW	ELECTRIC WATER HEATER
EWC	ELECTRIC WATER COOLER
EEW	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESEW	EMERGENCY SHOWER EYE WASH
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FFE	FINISHED FLOOR ELEVATION
FT	FEET
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FV	FLUSH VALVE
GD	GUTTER DRAIN
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GRM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INV	INVERT
KW	KILOWATT
Mbh	1,000 BTUH
MV	MIXING VALVE
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
PH	POWERS OF HARDNESS
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT
WCO	WALL CLEANOUT
WC	WATER CLOSET

SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
XX		KEY NOTE
XXXXX		POINT OF CONNECTION TO EXISTING
		EXISTING PIPE TO BE REMOVED
		NEW PIPING
		EXISTING PIPING TO REMAIN
		NEW PIPE CONNECTION TO EXISTING PIPING
		SLOPE OF PIPE
		DIRECTION OF FLOW
		DROP IN PIPE
		RISE IN PIPE
		TOP CONNECTION, 45° OR 90°
		BOTTOM CONNECTION, 45° OR 90°
		CAPPED OUTLET
		SIDE CONNECTION
		UNION
		FLANGED UNION
		ORIFICE UNION
		REDUCER OR INCREASER
		ECCENTRIC REDUCER
		PIPE GUIDE
		FLEXIBLE CONNECTION
		UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG)
		STRAINER WITH BLOWDOWN VALVE & HOSE BIBB
		THERMOMETER
		PRESSURE GAUGE AND GAUGE COCK
		AQUASTAT
		WATER HAMMER ARRESTOR
		TEST PLUG (PRESS/TEMP)
		PENETRATION
	MAV	MANUAL AIR VENT (MAV)
	AAV	AUTOMATIC AIR VENT (AAV)
	FS/FDIAD	FLOOR SINK, FLOOR DRAIN, AREA DRAIN
	FCO/COTG	FLOOR CLEANOUT/CLEANOUT TO GRADE
	DCOTG	TWO WAY OR DOUBLE CLEANOUT TO GRADE
	RD/OD/DD	ROOF DRAIN/OVERFLOW DRAIN/DECK DRAIN
	TP	TRAP PRIMER WITH ACCESS PANEL
	VTR	VENT THROUGH ROOF
	AG	AIR GAP FITTING
	(WH) (HB)	WALL HYDRANT, HOSE BIBB
	WCO	WALL CLEANOUT

REVISIONS

NO.	DESCRIPTION	DATE

NOTES

NO.	DESCRIPTION

DRAWN BY: MARIPONMIS
 REVIEWED BY: PHW
 DATE: 06/09/2023
 PROJECT NO: #23-0003

NORTH + SCALE

PLUMBING LEGEND

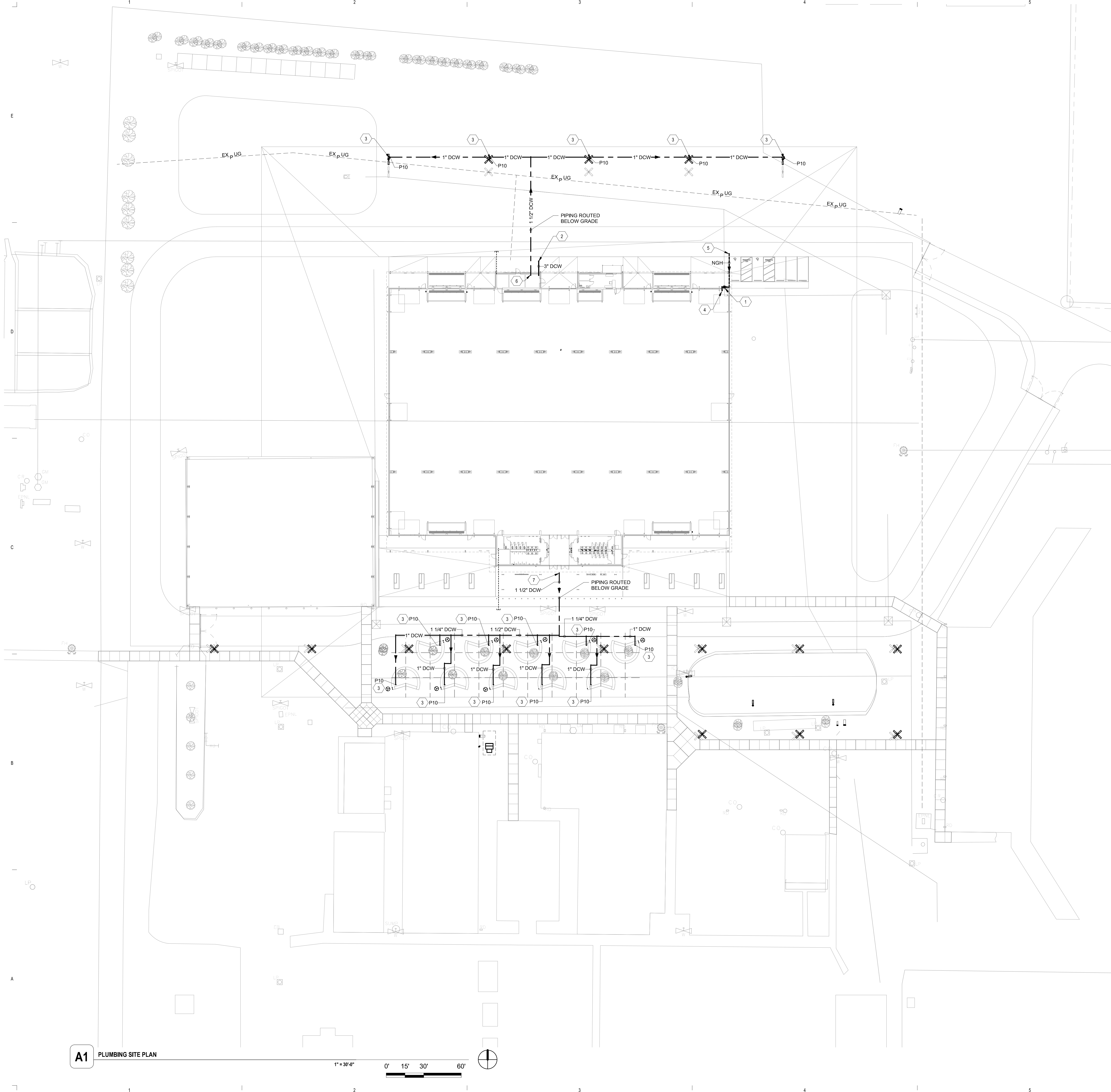
P-0.1

GENERAL SHEET NOTES

- A. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE CITY UTILITY DEPARTMENT AS TO LOCATION AND SCHEDULING OF TIE-INS / CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- B. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- C. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO BACKFILLING.
- D. DRAWINGS MAY NOT SHOW ALL EXISTING UTILITIES.
- E. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- F. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- G. CONTRACTOR SHALL REFER TO ARCHITECTURAL & PLUMBING PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE: SANITARY SEWER, LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, AND GAS SERVICE BEFORE COMMENCING ANY UTILITY WORK.
- H. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF EXISTING SLOPED PAVING, RAMPS, SIDEWALKS AND BUILDING ENTRANCE LOCATIONS WITH LOCATION AND SIZE OF DOWNSPOUTS.
- I. ALL SANITARY SEWER AND WATER LINES SHALL COMPLY WITH THE REQUIREMENTS AS SPECIFIED IN THE SITE WORK SPECIFICATIONS.
- J. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF THE SITE.
- K. ALL DOMESTIC WATER BELOW GRADE ONSITE SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINISHED GRADE.
- L. COORDINATE ALL SITE GAS AND DCW PIPING ROUTED ON SITE WITH ELECTRICAL AND CIVIL SITE PLANS.

SHEET KEYNOTES

- 1. NEW GAS METER AND REGULATOR TO ACCOMMODATE AN ADDITIONAL GAS LOAD OF 3,300 MBH @ 2 PSI. PROVIDE A FULL BORE ISOLATION VALVE SHALL BE PROVIDED PRIOR TO ANY DISTRIBUTION INTO THE PIPED SYSTEM. COORDINATE WITH LOCAL GAS COMPANY FOR ALL REQUIREMENTS. REGULATOR SHALL INSTALLED A MINIMUM OF 10FT FROM ALL MECHANICAL FRESH AIR INTAKES AND 3FT FROM DOORS AND WINDOW OPENINGS.
- 2. REFER TO CIVIL FOR CONTINUATION TO WATER METER AND CONTINUATION TO CITY MAIN.
- 3. 1" DCW PIPING ROUTED BELOW GRADE TO FREEZELESS HYDRANT (P10). REFER TO S2IP-5.1 FOR ADDITIONAL DRAIN INFORMATION. COORDINATE INSTALLATION WITH ELECTRICAL LIGHTING POLE AND UNDERGROUND POWER. MAINTAIN 12" FROM ELECTRICAL CONDUIT BELOW GRADE.
- 4. 2" (2 PSI) GAS LINE ROUTED TO BUILDING. REFER TO SHEET PP1.1 FOR CONTINUATION.
- 5. REFER TO CIVIL FOR CONTINUATION TO HIGH PRESSURE GAS LINE ON SITE. LINE SIZE SHALL BE DETERMINED BY NMGCO.
- 6. REFER TO PP1.1 FOR CONTINUATION.
- 7. REFER TO P-4.1 FOR CONTINUATION.



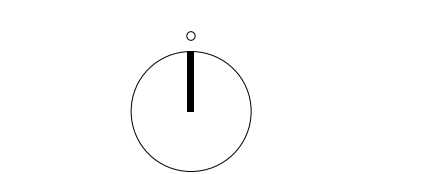
REVISIONS

△	

NOTES

DRAWN BY	MARIPONMIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

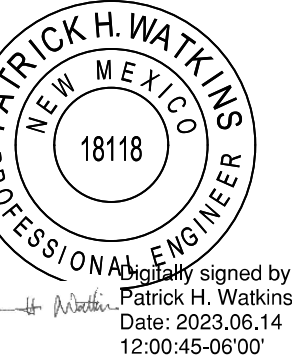
NORTH + SCALE



DRAWING NAME
PLUMBING SITE PLAN

PS1.1

A1 PLUMBING SITE PLAN



Drawn and sealed by
Patrick H. Watkins
Date: 03/09/23
12:00:45:0670

GENERAL SHEET NOTES

- A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATINGS SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- D. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- E. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- G. REFER TO DRAWING P-7.1 FOR PLUMBING ROUGH IN REQUIREMENTS AND P-5.1 FOR PLUMBING DETAILS.

SHEET KEYNOTES

- 1. VENT THRU WALL. MAINTAIN 10 FT FROM ALL FRESH AIR INTAKES. COORDINATE FINAL LOCATION AND PIPE PENETRATION FLASHING REQUIREMENTS WITH ARCHITECTURAL.
- 2. VENT PIPING UP FROM BELOW GRADE. TIE INTO 4" VENT HEADER LOCATED ABOVE GRADE. PROVIDE WCO ON ALL VENT LINES LOCATED BELOW GRADE, TYPICAL.
- 3. VENT PIPING ROUTED OVERHEAD, SIZE PER PLAN.

REVISIONS

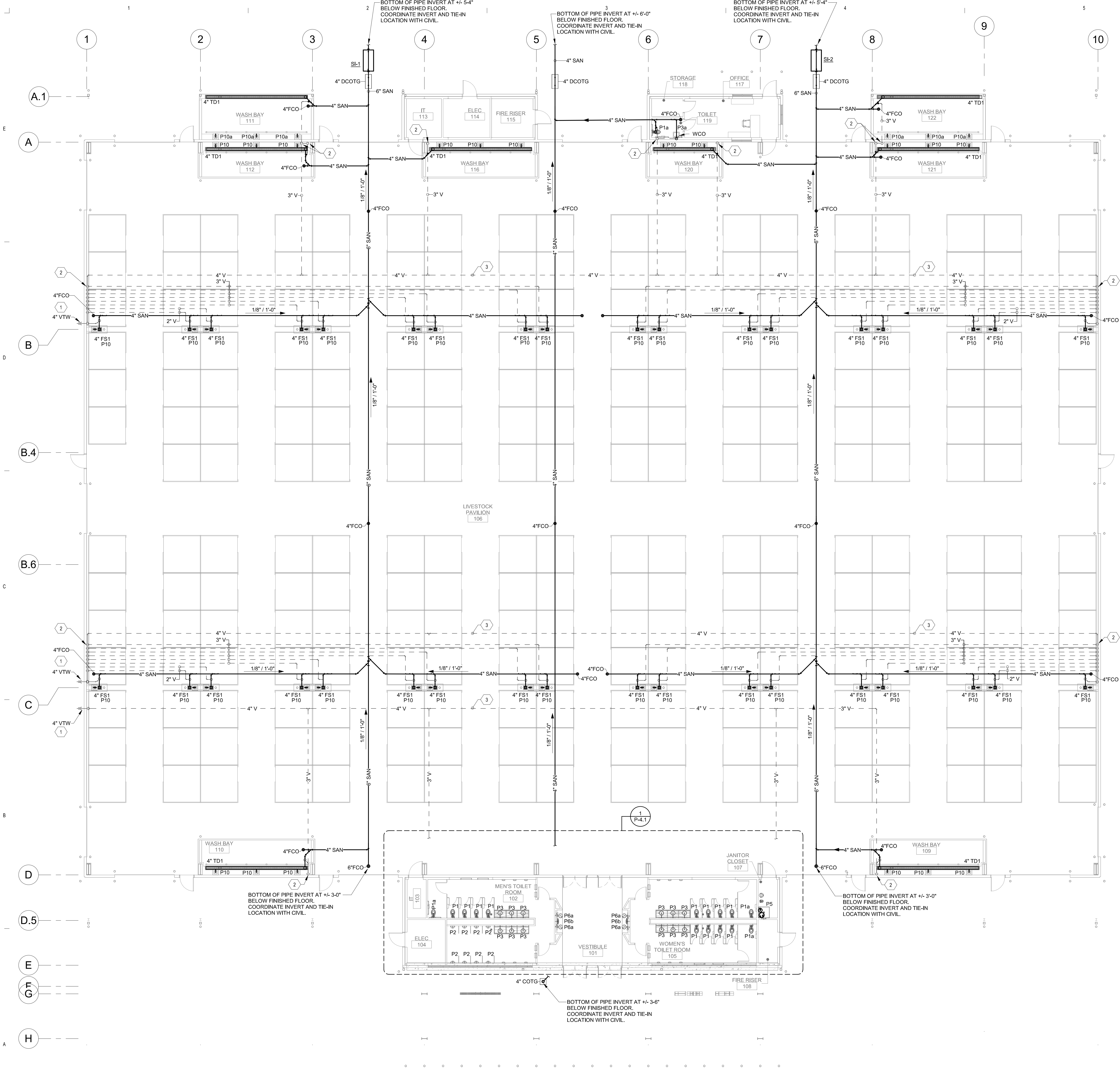
NOTES

DRAWN BY	MAR/PC/MIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
WASTE & VENT FLOOR PLAN

PL1.1



A1 WASTE & VENT FLOOR PLAN
3/32" = 1'-0"
0' 8' 16' 32'

6/14/2023 11:46:14 AM D:\Revit_2023\Projects\8734_Curry County Livestock Pavilion_MLS\Sanchez44.rvt

Bridgers & Paxton Project No. 0734

GENERAL SHEET NOTES

- A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES, DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- D. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CALKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CALKING MATERIAL. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- E. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- G. REFER TO DRAWING P-7.1 FOR PLUMBING ROUGH IN REQUIREMENTS AND P-5.1 FOR PLUMBING DETAILS.

SHEET KEYNOTES

- 1. DCW PIPING ROUTED BELOW GRADE.
- 2. PRV AND BACKFLOW ASSEMBLY. REFER TO DETAIL ASP5.2 FOR ADDITIONAL INFORMATION.
- 3. 1" DCW PIPING ROUTED BELOW GRADE TO RV HOOK-UP. REFER TO PS1.1 FOR CONTINUATION.
- 4. 1" DCW PIPING ROUTED BELOW GRADE TO FOOD TRUCK HOOK-UP. REFER TO PS1.1 FOR CONTINUATION.
- 5. CONNECT GAS PIPING TO MECHANICAL UNIT WITH UNION, LUBRICATED PLUG VALVE, DIRT LEG, & FLEXIBLE CONNECTION PER MANUFACTURER'S REQUIREMENTS.
- 6. VENTLESS REGULATOR SHALL REDUCE PRESSURE DOWN FROM 2 PSI DOWN TO 7" TO 14" WATER COLUMN TO ACCOMMODATE A TOTAL CONNECTED LOAD OF 150 MBH @ 18 FT. SIZED @ 20 FT. PER UPC TABLE 1215.2(1).
- 7. VENTLESS REGULATOR SHALL REDUCE PRESSURE DOWN FROM 2 PSI DOWN TO 7" TO 14" WATER COLUMN TO ACCOMMODATE A TOTAL CONNECTED LOAD OF 150 MBH @ 5 FT. SIZED @ 10 FT. PER UPC TABLE 1215.2(1).
- 8. 3/4" DCW UP FROM BELOW GRADE TO HYDRANT. CONNECT TO HYDRANT PER MANUFACTURER'S REQUIREMENTS. ROUTE DRAIN FROM HYDRANT TO SANITARY SYSTEM.
- 9. NEW GAS METER/REGULATOR ASSEMBLY PER LOCAL GAS AUTHORITY. CONNECT FOR AN TOTAL GAS LOAD OF 2,100 MBH. REGULATOR SHALL REDUCE PRESSURE DOWN TO 2 PSI. PROVIDE WITH FULL BORE ISOLATION VALVE. REGULATOR SHALL BE INSTALLED A MIN. OF 12" FROM ALL FRESH-AIR INTAKES, AND A MIN. OF 3'-0" FROM DOORS/WINDOWS.
- 10. WATER HAMMER ARRESTOR. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. PROVIDE WITH ISOLATION BALL VALVE AND ACCESS PANEL. COORDINATE LOCATION WITH ARCHITECTURAL FINISHES AND ACCESSORIES.

REVISIONS

NO.	DATE	DESCRIPTION

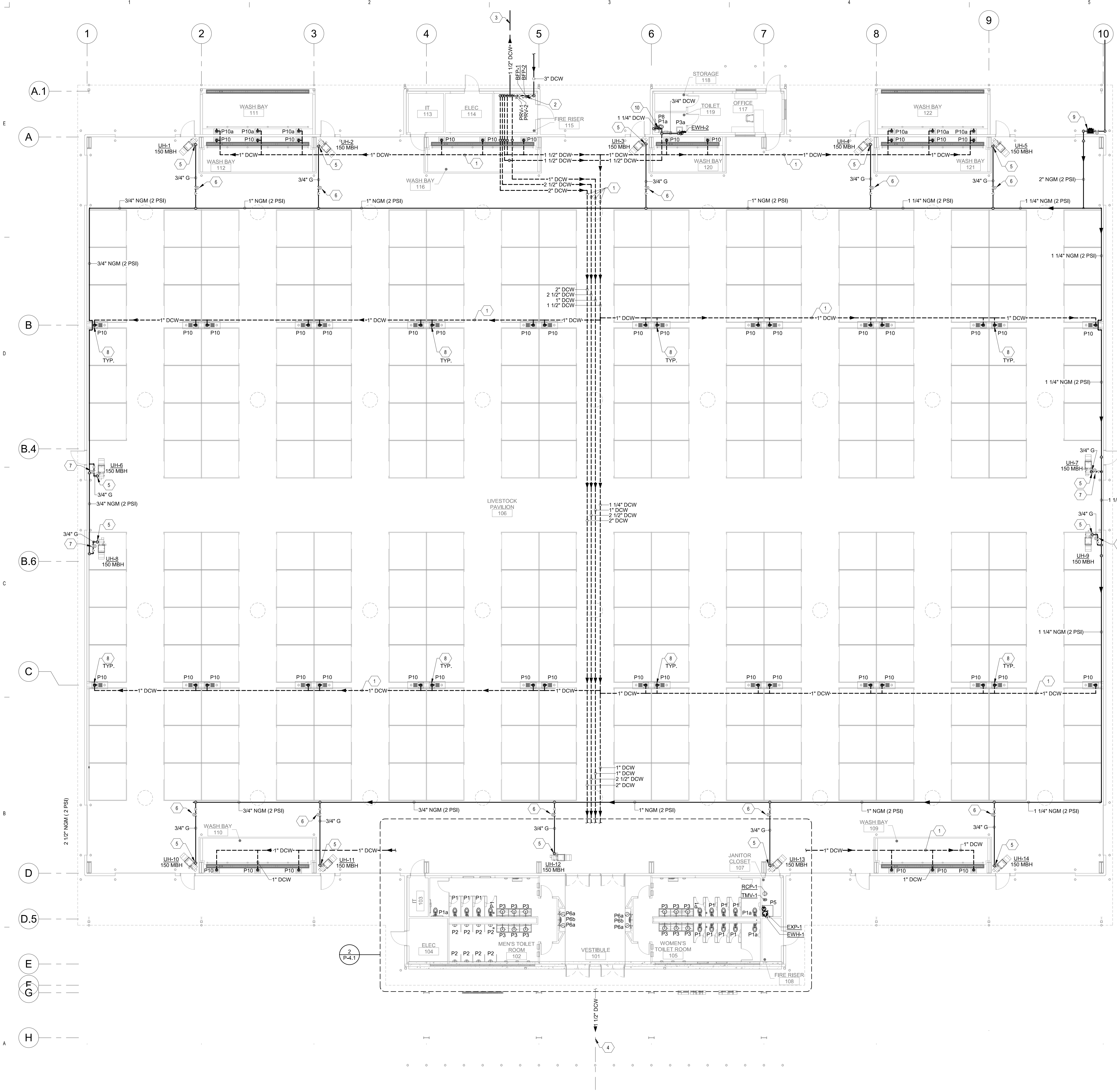
NOTES

DRAWN BY	MARIPON/MIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO.	#23-0003

NORTH + SCALE

DRAWING NAME
PRESSURE PIPING FLOOR PLAN

PP1.1



A1 PRESSURE PIPING FLOOR PLAN
3/32" = 1'-0"
0' 8' 16' 32'

6/14/2023 11:54:57 AM D:\Revit_2023\Projects\8734_Curry County Livestock Pavilion_MLSanchez44.rvt

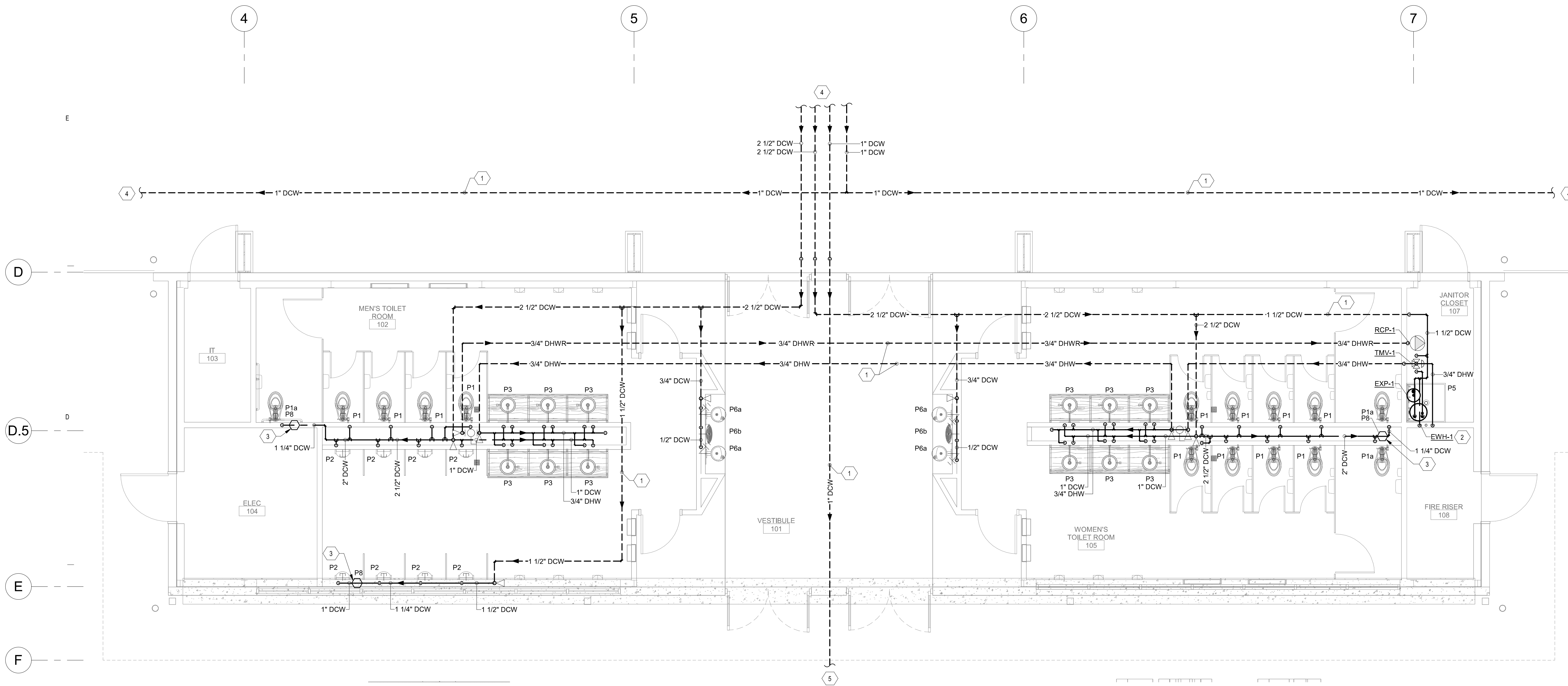
Bridgers & Paxton Project No. 8734

GENERAL SHEET NOTES

- A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES, DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATINGS SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- D. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL.
- E. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- F. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- G. REFER TO DRAWING P-7.1 FOR PLUMBING ROUGH IN REQUIREMENTS AND P-5.1 FOR PLUMBING DETAILS.

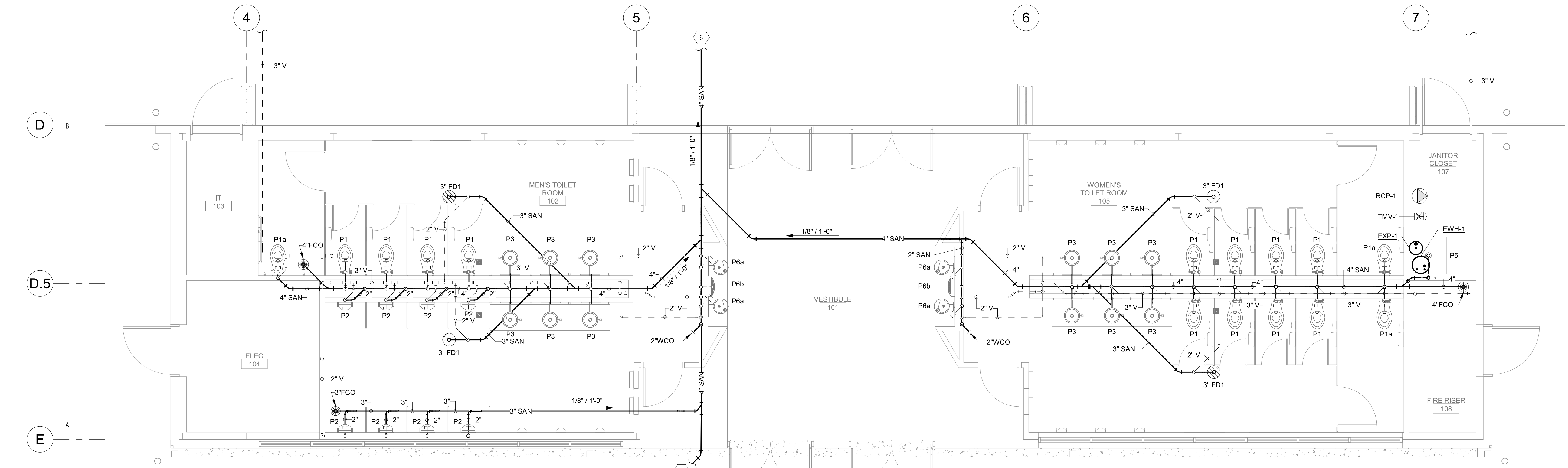
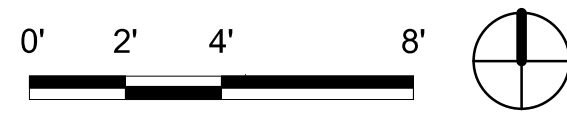
SHEET KEYNOTES

- 1. DCW/DHW PIPING ROUTED BELOW GRADE.
- 2. ELECTRIC WATER HEATER ABOVE MOP SINK. REFER TO DETAILS B1VP-5.1 AND D1P-5.1.
- 3. WATER HAMMER ARRESTOR. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. PROVIDE WITH ISOLATION BALL VALVE AND ACCESS PANEL. COORDINATE LOCATION WITH ARCHITECTURAL FINISHES AND ACCESSORIES.
- 4. REFER TO PPL1 FOR CONTINUATION.
- 5. REFER TO PSL1.1 FOR CONTINUATION.
- 6. REFER TO PLL1 FOR CONTINUATION.



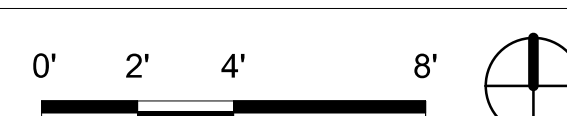
2 PRSS PIPING Overall - L1 (Anno) - ENLARGED

1/4" = 1'-0"



1 W&V Overall - L1 (Anno) - ENLARGED

1/4" = 1'-0"



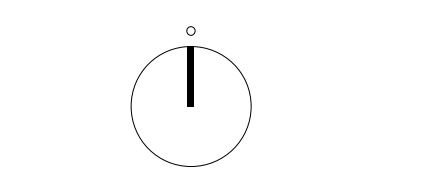
REVISIONS

NO.	DESCRIPTION

NOTES

DRAWN BY	MARIPNMIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

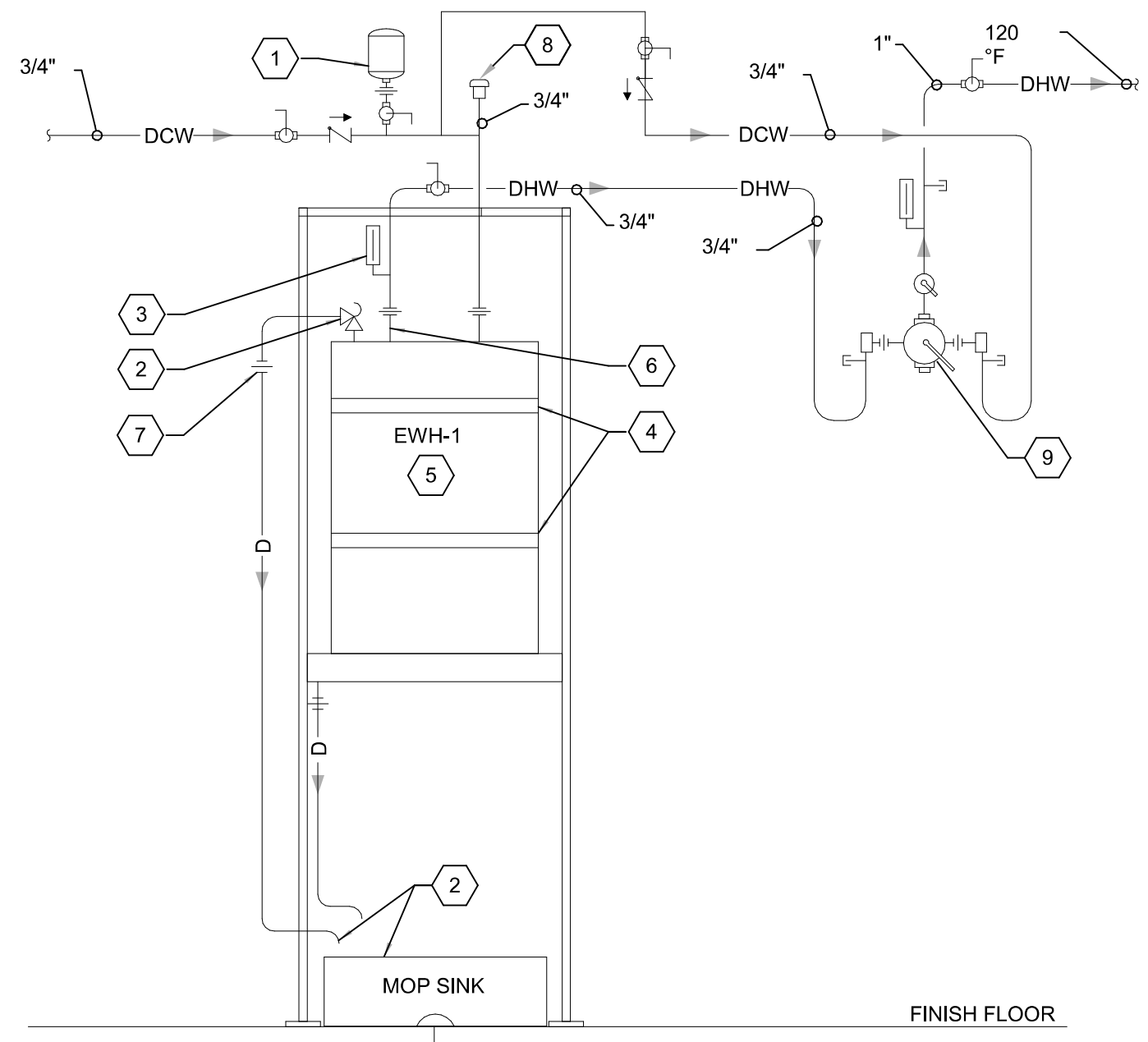
NORTH + SCALE



DRAWING NAME

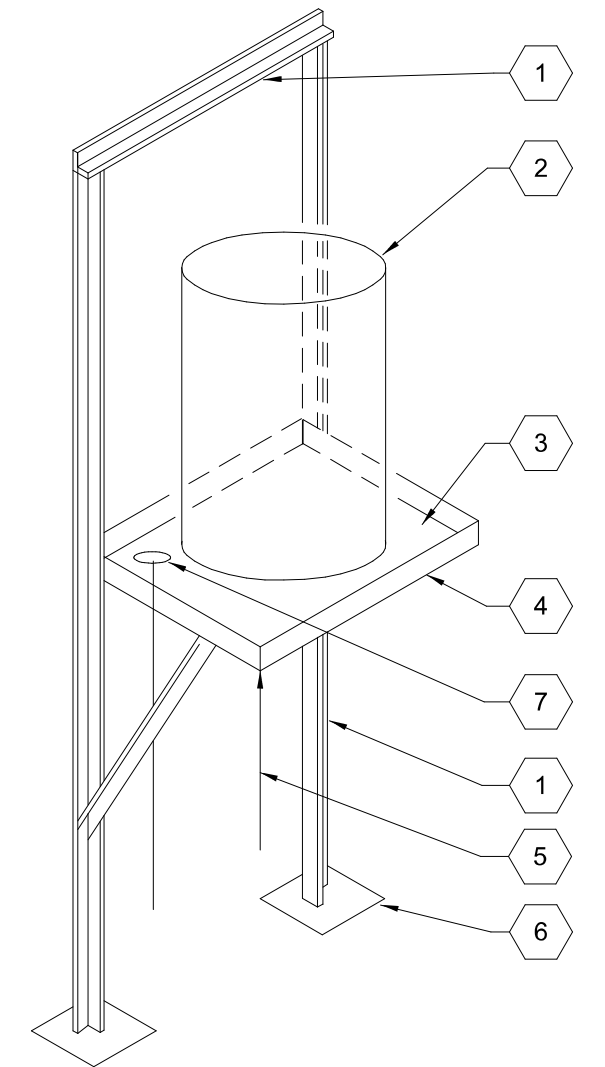
ENLARGED PLUMBING PLANS

P-4.1



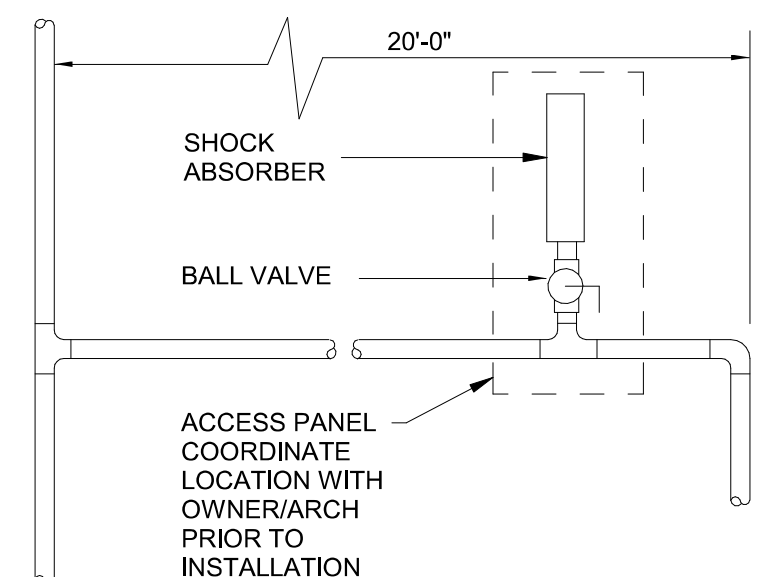
- 1 EXPANSION TANK, EXP-1, SEE SCHEDULE.
- 2 FULL SIZED T&P RELIEF VALVE INDIRECTLY DISCHARGED TO MOP SINK, 2X PIPE DIA.
- 3 THERMOMETER (TYPICAL)
- 4 SEISMIC STRAPPING PER UPC 507.2 OR IPC 502.4 (IF REQUIRED)
- 5 DOMESTIC WATER HEATER, SEE SPECS
- 6 HEAT TRAP PER MFG. SPECS
- 7 UNION (TYPICAL)
- 8 3/4" VACUUM RELIEF VALVE
- 9 THERMOSTATIC MIXING VALVE, TMV-1 WITH INLET CHECK STOPS

D1 DOMESTIC WATER HEATER ABOVE MOP SINK1 1/4" = 1'-0"



- 1 2"x2"x1/4" ANGLE FRAME BOLTED TO STRUCTURE & PAINTED AS REQUIRED
- 2 WATER HEATER, SEE SPECIFICATIONS FOR EQUIPMENT NUMBER
- 3 4" DEEP, 14 GA. GALV. PAN, WELDED SEAMS, WATERPROOF EPOXY COATED INSIDE
- 4 2"x 2"x 1 1/4" ANGLE FRAME, PAINTED AS REQUIRED
- 5 48" ABOVE FINISHED FLOOR
- 6 2"x4"x1/4" PLATE BOLTED TO FLOOR
- 7 3/4" DRAIN LINE FROM LOW END OF PAN TO SERVICE SINK OR AS NOTED ON PLANS

B1 WATER HEATER SUPPORT DETAIL 1/4" = 1'-0"

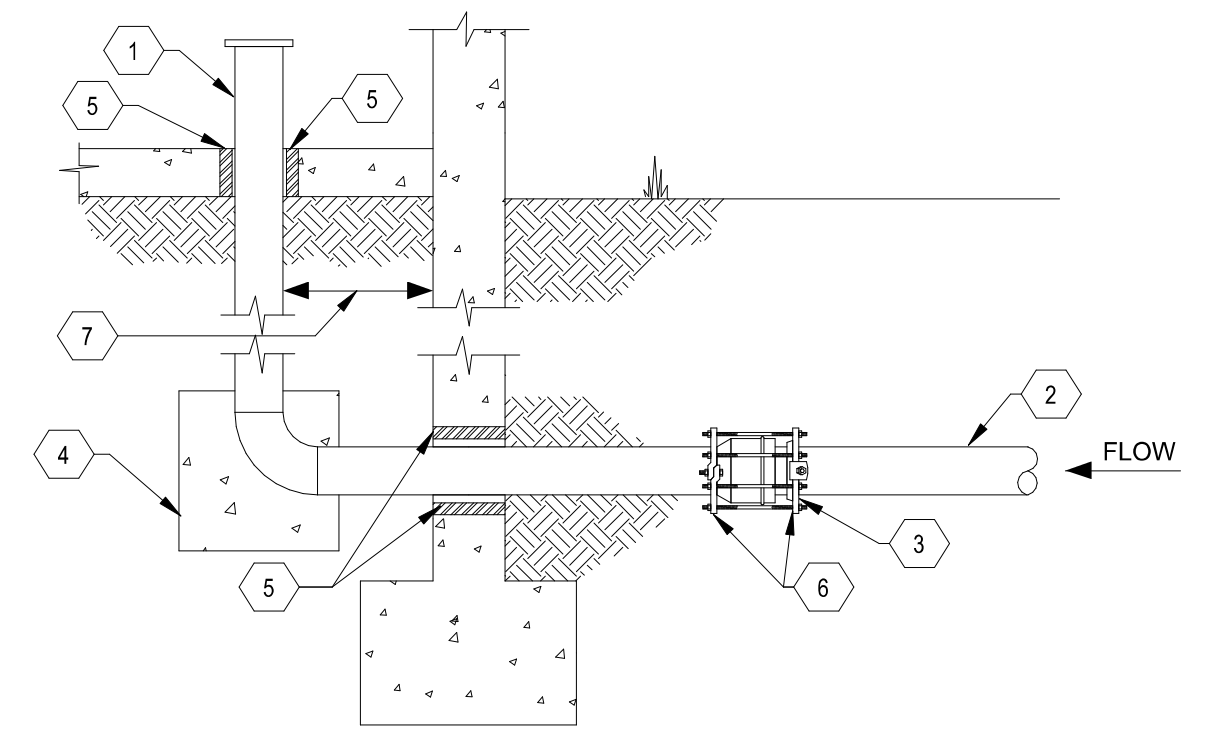


NOTE:
FOR BRANCH LINES 20' OR LESS INSTALL SHOCK ABSORBERS BETWEEN LAST TWO FIXTURES.
FOR BRANCH LINES OVER 20' PROVIDE TWO SHOCK ABSORBER UNITS. THE SECOND ONE PLACED AT THE MIDPOINT OF THE LINE.

SHOCK ABSORBER SCHEDULE						
PDI CROSS REFERENCE	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"

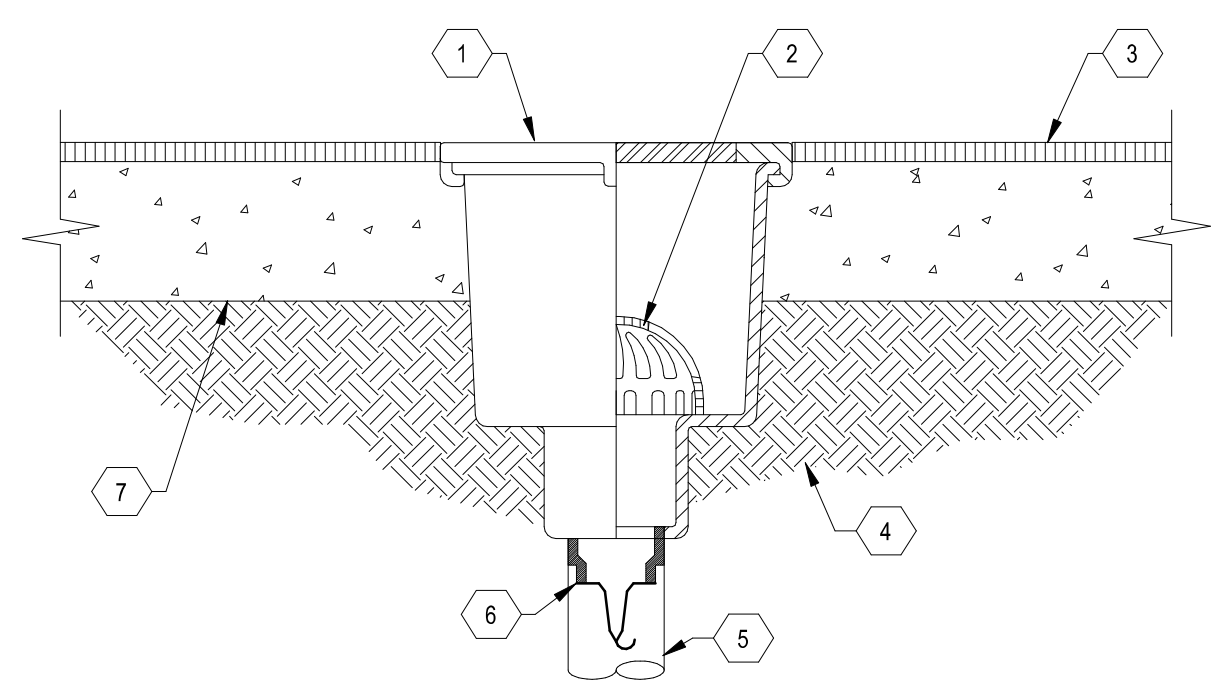
* PDI - PLUMBING AND DRAINAGE INSTITUTE.

A1 SHOCK ABSORBER INSTALLATION 1/4" = 1'-0"



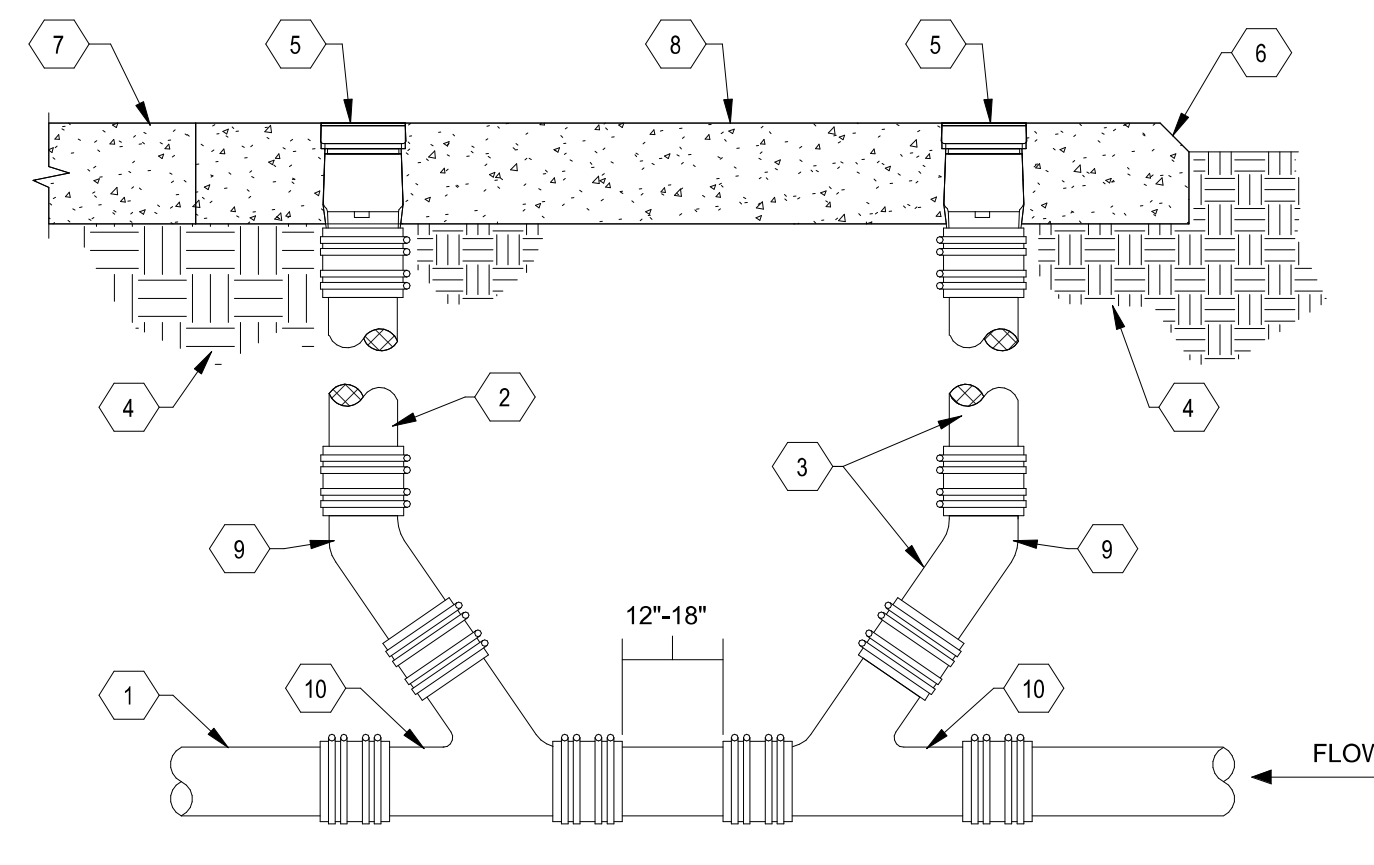
- 1 AMES IN-BUILDING RISER, STAINLESS STEEL TYPE 304. SEE PLANS FOR SIZE AND SERVICE
- 2 DUCTILE IRON OR PVC WATER SERVICE.
- 3 MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL. CONTINUE INTO BUILDING WITH STAINLESS STEEL.
- 4 CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH IBC IF REQUIRED BY AHJ
- 5 PIPE SLEEVE, SEE SPECIFICATIONS
- 6 MEGALUG PIPE RESTRAINT HARNESS
- 7 VERTICAL SECTION OF RISER LOCATED AS CLOSE AS POSSIBLE TO WALL

A2 WATER ENTRY THRU FOOTING DETAIL 1/4" = 1'-0"



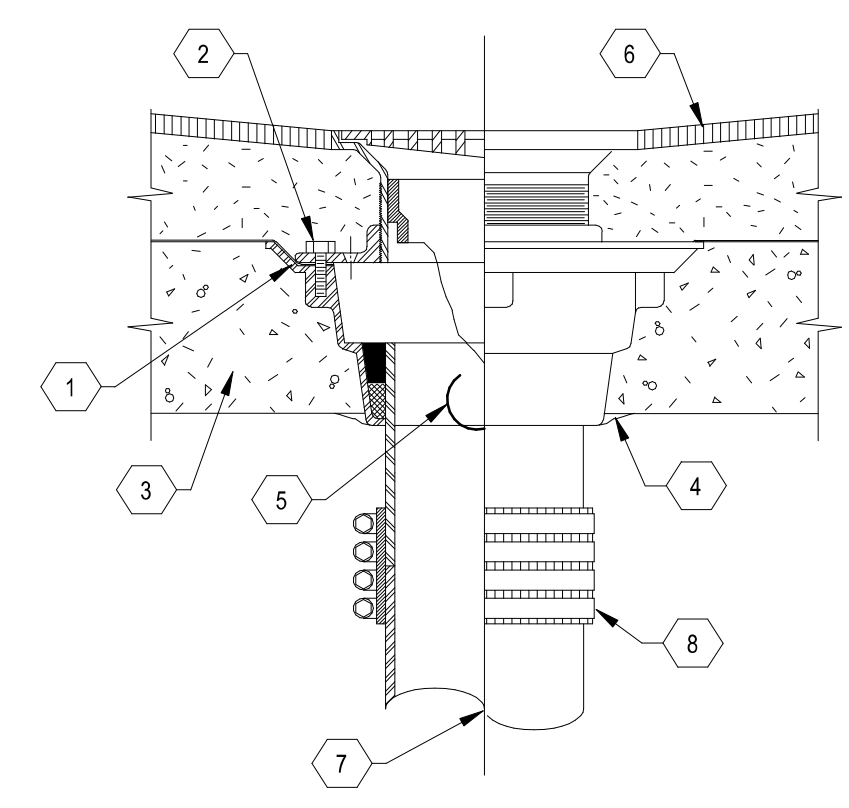
- 1 FLOOR SINK GRATING, SEE FLOOR SINK SPECIFICATIONS
- 2 DOME STRAINER
- 3 FINISHED FLOOR
- 4 COMPACTED EARTH
- 5 SEE PLUMBING FLOOR PLANS FOR SIZING AND P-TRAP REQUIREMENTS
- 6 TRAP GUARD WATER SAVING DEVICE (SPECIFIED)
- 7 STRUCTURAL SLAB

D3 FLOOR SINK DETAIL 1/4" = 1'-0"



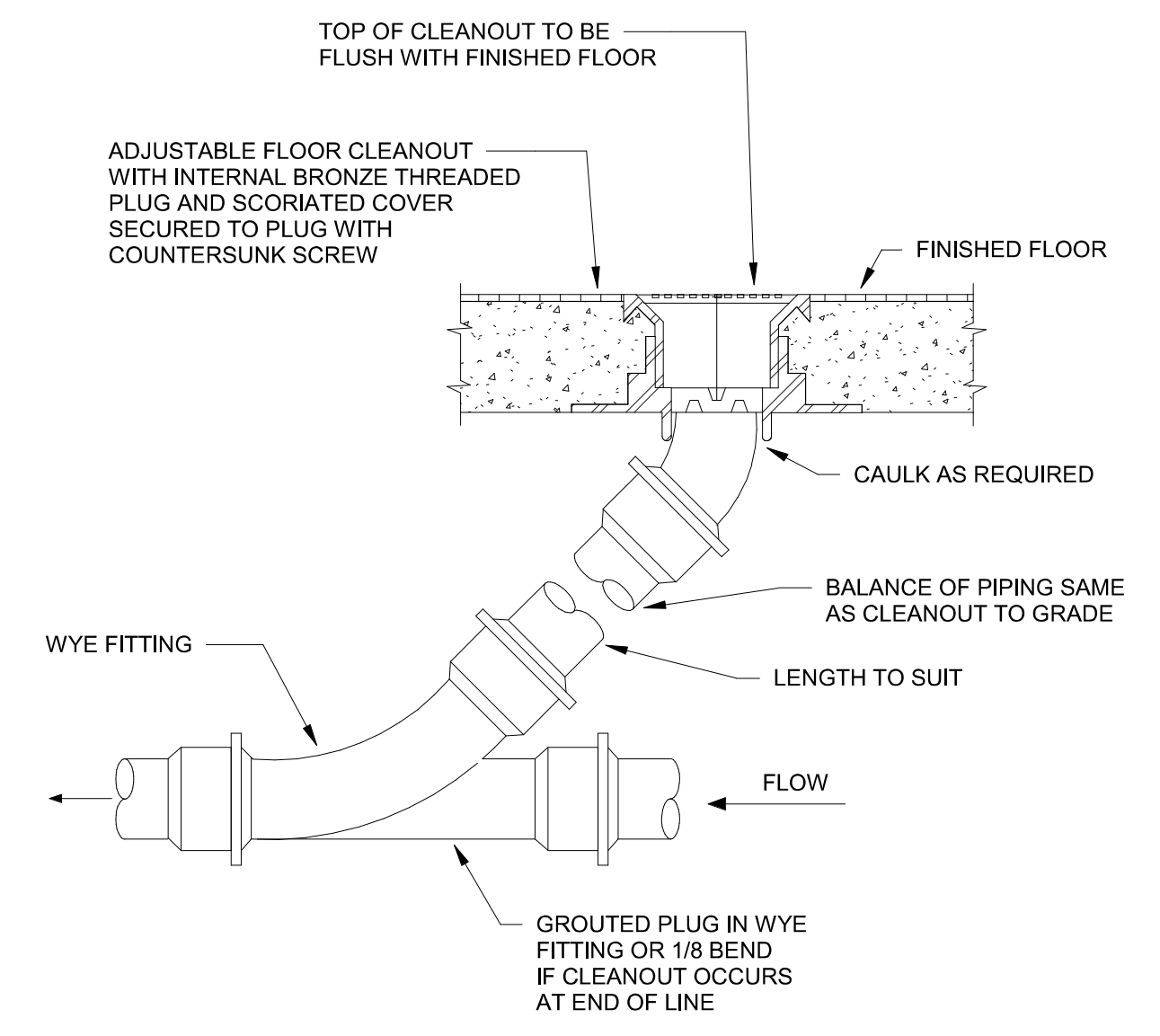
- 1 SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS.
- 2 SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED.
- 3 CAST IRON SOIL PIPE RISER AND FITTINGS.
- 4 COMPACTED EARTH, SEE SPECIFICATIONS.
- 5 CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP
- 6 2" CHAMFER ON ALL COLLARS IN EARTH.
- 7 FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATION.
- 8 4" THICK CONCRETE PAD.
- 9 1/8TH BEND.
- 10 WYE FITTING.

C3 DOUBLE CLEANOUT TO GRADE - DETAIL 1/4" = 1'-0"

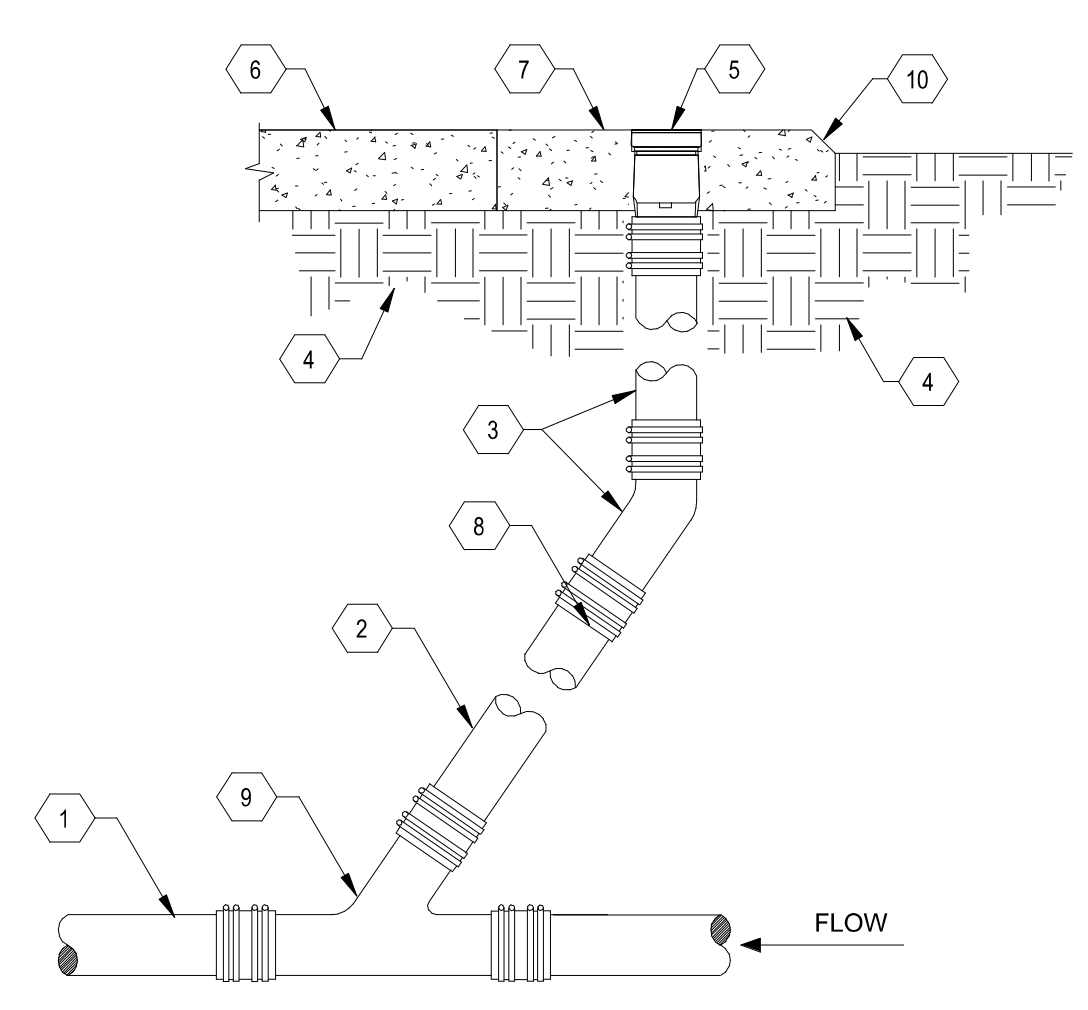


- 1 FLOOR DRAIN WITH ADJUSTABLE STRAINER, DOUBLE DRAINAGE FLANGE AND WEEP HOLES. SEE FLOOR DRAIN SPECIFICATIONS
- 2 CLAMP TO 24"x24" 4# LEAD SHEET AND WATERPROOFING MEMBRANE (NOT REQUIRED FOR SINGLE POUR CONSTRUCTION)
- 3 CONCRETE FLOOR OF ONE POUR CONSTRUCTION
- 4 CAULK AS REQUIRED ON INSTALLATION ABOVE GRADE
- 5 TRAP GUARD WATER SAVING DEVICE SIZED PER DRAIN (IF SPECIFIED)
- 6 FINISHED FLOOR SLOPED IN ACCORDANCE WITH ARCH. DRAWINGS. COORDINATE WITH STRUCTURAL
- 7 SEE PLUMBING FLOOR PLANS FOR SIZING AND P-TRAP REQUIREMENTS
- 8 FOUR BAND HEAVY DUTY CLAMP, SEE SPECIFICATIONS

D4 FLOOR DRAIN DETAIL 1/4" = 1'-0"

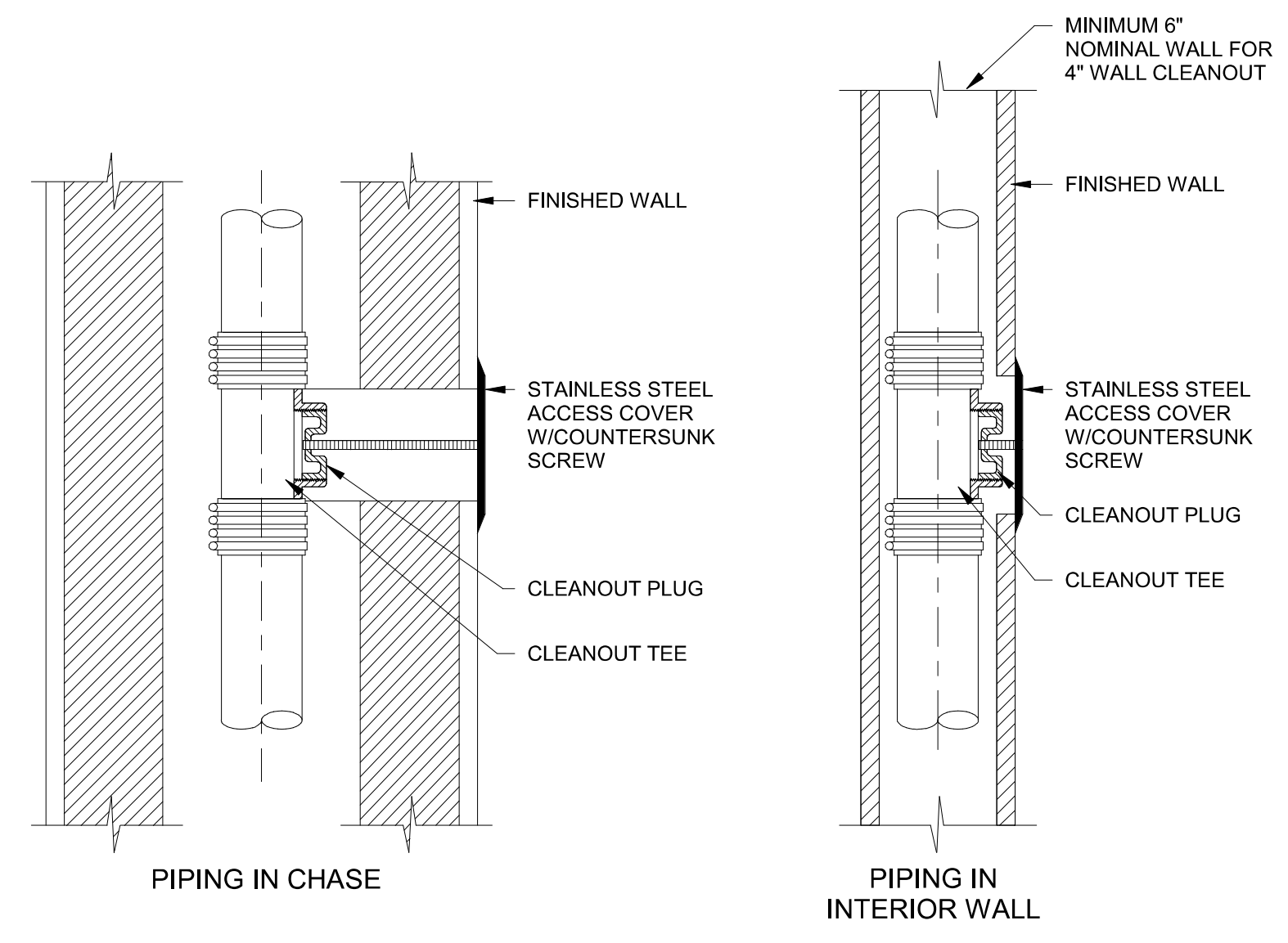


C4 FLOOR CLEANOUT 1/4" = 1'-0"



- 1 SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS.
- 2 SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED.
- 3 CAST IRON SOIL PIPE RISER AND FITTINGS.
- 4 COMPACTED EARTH, SEE SPECIFICATIONS.
- 5 CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP.
- 6 FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATION.
- 7 18"x18"x4" THICK CONCRETE COLLAR.
- 8 1/8TH BEND.
- 9 WYE FITTING.
- 10 2" CHAMFER ON ALL COLLARS IN EARTH.

D6 CLEANOUT TO GRADE DETAIL 1/4" = 1'-0"



C6 WALL CLEANOUT DETAIL 1/4" = 1'-0"

REVISIONS
△

NOTES

DRAWN BY: MARIPNM/MS
REVIEWED BY: PHW
DATE: 06/09/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
PLUMBING DETAILS

P-5.1
Sheet No. 202

PLUMBING ROUGH-IN SCHEDULE						
REFER TO DIVISION 22 4000 FOR ADDITIONAL INFORMATION						
SYMBOL*	FIXTURE	ROUGH-IN SIZE				REMARKS:
		CW	HW	WASTE	VENT	
P1	WATER CLOSET - FLOOR MTD. - FLUSH VALVE MANUAL	1"	-	4"	2"	INTEGRAL ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD, FLOOR TO RIM HEIGHT: 15"
P1a	WATER CLOSET (BARRIER FREE) - FLOOR MTD. - FLUSH VALVE MANUAL	1"	-	4"	2"	INTEGRAL ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD, FLOOR TO RIM HEIGHT: 16-1/2"
P2	URINAL (BARRIER FREE) - WALL MTD. - FLUSH VALVE MANUAL	3/4"	-	2"	2"	INTEGRAL NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P3	LAVATORY (BARRIER FREE) WALL MOUNT - SQUARE - MANUAL	1/2"	1/2"	2"	1-1/2"	1-1/4" X 1-1/2" SINGLE HOLE, VITREOUS CHINA, ROUND, 13-3/4" x 6-3/4" DEEP
P3a	LAVATORY (BARRIER FREE) WALL MOUNT - SQUARE - MANUAL	1/2"	1/2"	2"	1-1/2"	1-1/4" X 1-1/2" SINGLE HOLE, VITREOUS CHINA, ROUND, 13-3/4" x 6-3/4" DEEP
P5	SERVICE SINK	1/2"	1/2"	3"	2"	3" FLOOR MOUNTED, TERRAZZO, 36"x36"x12" DEEP, 3" DRAIN, PROVIDE: 3" CAST IRON P-TRAP.
P6a	DRINKING FOUNTAIN	1/2"	-	2"	1-1/2"	1-1/4" X 1-1/2" ---
P6b	BOTTLE FILLER (BARRIER FREE)	1/2"	-	2"	1-1/2"	1-1/4" X 1-1/2" ---
P8	WATER HAMMER ARRESTOR	1/2"	-	-	-	---
P10	YARD HYDRANT	1"	-	-	-	---
P10a	YARD HYDRANT (LOCKABLE)	1"	-	-	-	---

FLOOR/ROOF DRAIN SCHEDULE				
REFER TO DIVISION 22 4000 FOR ADDITIONAL INFORMATION				
SYMBOL*	MANUFACTURER	MODEL	VENT	REMARKS:
4" FS1	ZURN	Z-1900-NH-KC-3-32	2"	DEEP CAST IRON BODY WITH WHITE ACID RESISTING ENAMEL BODY INTERIOR, SQUARE, SLOTTED 3/4 LOOSE SET GRATE, ALUMINUM ANTI-SPASH DOME STRAINER, ANCHOR FLANGE WITH SEEPAGE HOLES AND CLAMP COLLAR, (DEEP SEAL P-TRAP MFG: ZURN Z1000), DIAMETER OF OUTLET AS SHOWN ON DRAWINGS, PROVIDE WITH SURE SEAL IN-LINE TRAP SEAL, SIZE AND TYPE TO FIT DRAIN.
3" FD1	ZURN	Z415-BZ1-NH-ZB-VP-TSP-VP-Z1000	2"	ROUND TOP, 6" POLISHED BRONZE STRAINER, FLOOR AND SHOWER DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TOP ASSEMBLY, CONCRETE SHIELD, 1" POST POUR VERTICAL ADJUSTMENT, PRE-PACKAGED SHIMS FOR TILT CORRECTION AND INTEGRATED, SELF-CONTAINED "TYPE B" POLISHED BRONZE LIGHT DUTY, HEEL PROOF STRAINER WITH ROUGH-IN COVER FOR PROTECTION DURING CONCRETE POUR, VANDAL PROOF SECURED TOP, DEEP SEAL P-TRAP, STRAINER OPEN AREA: 9 SQUARE INCHES SERVICE: RESTROOMS, LOCKERS, SHOWERS, ETC. SIZE AS INDICATED ON DRAWINGS, PROVIDE TRAP SEAL, PROTECTION DEVICE Z1072 OR EQUAL, SIZE AND TYPE TO FIT DRAIN.
4"TD1	DURA TRENCH	DTPF8-HDBP	2"	TRENCH DRAIN SHALL BE DURATRENCH AS MANUFACTURED BY ERIC'SONS, THE TRENCH DRAIN LENGTH SHALL BE 27'-0" WITH A STARTING DEPTH OF 6" (3'-8FT SECTIONS PLUS 1'-3FT SECTION), THE TRENCH DRAIN BODY SHALL BE COMPOSED OF POLYESTER FIBER REINFORCED POLYMER CONCRETE, THE TRENCH SHALL HAVE A 10" CLEAR OPEN THROAT AND HAVE A ROUNDED BOTTOM, THE TRENCH BODY SHALL BE GRAY IN COLOR TO CLOSELY RESEMBLE THE COLOR OF CONCRETE AND HAVE A SMOOTH INTERIOR FOR IMPROVED FLOW RATES AND REDUCED DEBRIS BUILD-UP, SECTIONS SHALL BE 96" LONG (TYPICAL) AND HAVE A 2" RECEIVING FLANGE ON THE UPSTREAM END FOR RECEIVING AND SEALING THE TRENCH SECTIONS TOGETHER, EACH OF THE SECTIONS SHALL BE LABELED TO INDICATE PROPER FLOW AND PLACEMENT, THE TRENCH BODY SHALL MATE TO THE FRAME AND FORM A GRATE SEAT THAT SHALL ACCEPT THE SPECIFIED GRATE, THE BODY SHALL BE SUPPLIED WITH A FACTORY FIT TOP FOR RAIL ALIGNMENT AND FASTENING OF THE CHANNELS IN THE FIELD ENSURING THAT THE RAILS ARE CAST IN A COPLANAR MANNER, THE TRENCH BODY SHALL HAVE THE FOLLOWING PROPERTIES: 12,600 PSI MINIMUM TENSILE STRENGTH PER ASTM C307, 11,600 PSI MINIMUM COMPRESSIVE STRENGTH PER ASTM C579, 26,500 PSI MINIMUM FLEXURAL STRENGTH PER ASTM C580, LESS THAN 0.35% WATER ABSORPTION, SHALL BE FROST PROOF, SALT PROOF, AND BE RESISTANT TO DILUTE ACIDS AND ALKALIS PER ASTM C267, PROVIDE WITH BLACK POWDER PAINTED STEEL TRENCH FRAME (HDBP), AND 10" WIDE DUCTILE IRON ADA/HEEL PROFF SLOTTED GRATE (10C24DI-D), SLOPE RIGHT TO LEFT WITH 4" DIA. BOTTOM OUTLET, TRENCH DRAIN SHALL HAVE A 1% SLOPE.

PLUMBING FIXTURE SCHEDULE										
REFER TO DIVISION 22 4000 FOR ADDITIONAL INFORMATION										
SYMBOL*	FIXTURE	MANUFACTURER	MODEL	TRIM/FAUCET	ELECTRICAL INFO	REMARKS:	ELECTRICAL INFO			
							V	PH	HZ	
P1	WATER CLOSET - FLOOR MTD. - FLUSH VALVE MANUAL	AMERICAN STANDARD	3451.001	SLOAN	111-1.28-DFB-SG	1.28 GPF	-	-	-	EXPOSED, CHROME PLATED, LOW FLOW, DUAL-FILTERED FIXED BYPASS DIAPHRAGM, VACUUM BREAKER WITH FLUSH CONNECTION, BAK-CHEK ANGLE STOP WITH VANDAL RESISTANT STOP CAP. SEAT: HEAVY DUTY, OPEN FRONT LESS COVER, SOLID PLASTIC, WHITE, MFG: CHURCH 9500SSC OR EQUAL
P1a	WATER CLOSET (BARRIER FREE) - FLOOR MTD. - FLUSH VALVE MANUAL	AMERICAN STANDARD	3043.001	SLOAN	111-1.28-DFB-SG	1.28 GPF	-	-	-	EXPOSED, CHROME PLATED, LOW FLOW, DUAL-FILTERED FIXED BYPASS DIAPHRAGM, VACUUM BREAKER WITH FLUSH CONNECTION, BAK-CHEK ANGLE STOP WITH VANDAL RESISTANT STOP CAP. SEAT: HEAVY DUTY, OPEN FRONT LESS COVER, SOLID PLASTIC, WHITE, MFG: CHURCH 9500SSC OR EQUAL
P2	URINAL (BARRIER FREE) - WALL MTD. - FLUSH VALVE MANUAL	AMERICAN STANDARD	6590.001 "WASHBROOK"	SLOAN	186-0.5-DFB-SG	0.5 GPF	-	-	-	EXPOSED, CHROME PLATED, LOW FLOW, WHITE VITREOUS CHINA, 3/4" TOP SPUD, DUAL-FILTERED FIXED BYPASS DIAPHRAGM.
P3	LAVATORY (BARRIER FREE) DROP-IN - ROUND - MANUAL	KOHLER	MODESTO K-441908-0	CHICAGO FAUCETS	420-ABCP	1.5 GPM	-	-	-	STAINLESS STEEL DROP IN ROUND BOWL, CHROME, LEVER HANDLES, VANDAL PROOF. PROVIDE ANGLE STOPS, FLEXIBLE RISERS, ADJUSTABLE P-TRAP. MIXING VALVE: WATTS MODEL LFUSG-B UNDER SINK.
P3a	LAVATORY (BARRIER FREE) WALL MOUNT - SQUARE - MANUAL	KOHLER	KINGSTON K-2005-0	CHICAGO FAUCETS	420-ABCP	1.5 GPM	-	-	-	VITREOUS CHINA, SQUARE, WALL MOUNTED, 4" CENTERS, DECK MOUNTED MANUAL FAUCET POLISHED CHROME, LEVER HANDLE. PROVIDE ANGLE STOPS, FLEXIBLE RISERS, ADJUSTABLE P-TRAP. MIXING VALVE: WATTS MODEL LFUSG-B UNDER SINK.
P5	SERVICE SINK	FIAT PRODUCTS	TSB3012	CHICAGO FAUCETS	897-CCP	2.5 GPM	-	-	-	WALL MOUNTED SERVICE FAUCET 42" ABOVE FLOOR, CHROME PLATED WITH VACUUM BREAKER, INTEGRAL CHECK STOPS, ADJUSTABLE WALL BRACE, PAUL HOOK AND 3/4" HOSE THREAD ON SPOUT. PROVIDE: INTEGRAL STAINLESS STEEL STRAINER DRAIN, 3" CAST IRON P-TRAP, HOSE AND BRACKET, 30" LONG FLEXIBLE HEAVY DUTY 5/8" RUBBER HOSE, MFG: FIAT No. 832 AA, MOP BRACKET, 24" LONG x 3" WIDE, STAINLESS STEEL WITH THREE RUBBER GRIPS, MFG: FIAT No. 889 CC.
P6a	DRINKING FOUNTAIN	ELKAY	EDFPBV114C	-	-	8 GPH	-	-	-	WALL MOUNTED, VANDAL RESISTANT, SINGLE DRINKING FOUNTAIN, STAINLESS STEEL NON-FILTERED AND NON- REFRIGERATED
P6b	BOTTLE FILLER (BARRIER FREE)	FILTRENE	B103-RB-HF	-	-	8 GPH	-	-	-	BOTTLE FILLER ONLY
P8	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS	-	-	-	-	-	-	-	0 TO 200 PSIG MAX. OPERATING PRESSURE, 1-11 FIXTURE UNITS
P10	YARD HYDRANT	WOODFORD	MODEL Y2	-	-	-	-	-	-	FREEZE-PROOF, ONE PIECE VARIABLE FLOW PLUNGER, GALVANIZED STEEL, 1/8" NPT DRAIN
P10a	YARD HYDRANT (LOCKABLE)	WOODFORD	MODEL Y2	-	-	-	-	-	-	FREEZE-PROOF, ONE PIECE VARIABLE FLOW PLUNGER, GALVANIZED STEEL, 1/8" NPT DRAIN

SOLIDS INTERCEPTOR SCHEDULE									
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	LIQUID CAPACITY (GALLONS)	PDI RATING (GPM)	SOLIDS CAPACITY (GALLONS)	DIMENSIONS	REMARKS:
SI-1	STRIEM	PS-275-S	EXTERIOR	LIVESTOCK/PAVILION	250	100	210	68" x 33" x 51-1/2"	STRIEM PROSPECTOR SOLIDS INTERCEPTOR MODEL PS-275-S SHALL BE LIFETIME GUARANTEED AND MADE IN USA OF SEAMLESS, ROTATIONALLY-MOLDED MEDIUM DENSITY POLYETHYLENE WITH MINIMUM 3/8" UNIFORM WALL THICKNESS. INTERCEPTOR SHALL BE FURNISHED FOR BELOW-GRADE INSTALLATION, INTERCEPTOR SHALL BE FURNISHED WITH FILTER SCREEN AND CONNECTION FOR EXTENDING HANDLE FOR DEEP BURIALS. COVER SHALL PROVIDE WATER/GAS-TIGHT SEAL AND HAVE A MAXIMUM 16,000 LBS LOAD CAPACITY.
SI-2	STRIEM	PS-275-S	EXTERIOR	LIVESTOCK/PAVILION	250	100	210	68" x 33" x 51-1/2"	STRIEM PROSPECTOR SOLIDS INTERCEPTOR MODEL PS-275-S SHALL BE LIFETIME GUARANTEED AND MADE IN USA OF SEAMLESS, ROTATIONALLY-MOLDED MEDIUM DENSITY POLYETHYLENE WITH MINIMUM 3/8" UNIFORM WALL THICKNESS. INTERCEPTOR SHALL BE FURNISHED FOR BELOW-GRADE INSTALLATION, INTERCEPTOR SHALL BE FURNISHED WITH FILTER SCREEN AND CONNECTION FOR EXTENDING HANDLE FOR DEEP BURIALS. COVER SHALL PROVIDE WATER/GAS-TIGHT SEAL AND HAVE A MAXIMUM 16,000 LBS LOAD CAPACITY.

WATER HEATER SCHEDULE																				
NOTE: ALL WATER HEATERS SHALL COMPLY FULLY WITH THE 2018 IECC TABLE C404.2, MINIMUM PERFORMANCE OF WATER-HEATING EQUIPMENT																				
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	TYPE	SET POINT (DEGREES)	FUEL	STORAGE VOLUME (GAL.)	ELEVATION	OPERATION WEIGHT	ELECTRICAL				HOT WATER RECOVERY		MIXING VALVE	EXPANSION TANK	REMARKS:	
											V	PH	HZ	AMPS	WATTS	RATE (GPH)				Δ T °F
EWH-1	A.O. SMITH	DEL-30	JANITOR CLOSET - 111	DOMESTIC WATER	STORAGE	140	ELECTRIC	36	4,268	417	208	1	60	-	6000	27	90	TMV-1	EXP-1	24" DIAMETER X 32" H
EWH-2	CHRONOMITE	CMI-15L/208	TOILET - 122	DOMESTIC WATER	TANKLESS	110	ELECTRIC	NA	4,268	5	208	1	60	15	3120	.35	61	INTEGRAL	NA	INSTANT-FLOW COMPLIANT MIX - LOW ACTIVATION HEATER PLUS INTEGRATED THERMOSTATIC MIXING VALVE, COORDINATE INSTALLATION TO MAINTAIN ADA REQUIREMENTS.

PLUMBING BACKFLOW SCHEDULE									
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	TYPE	PIPE SIZE (IN)	FLOW (GPM)	PSI LOSS	REMARKS:
BFP-1	ZURN	975XL2	JANITOR CLOSET - 107	DOMESTIC	HORIZONTAL - IN-LINE	2"	115	15	THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER SHALL BE CERTIFIED TO NSF/ANSI/CAN 61, SHALL BE ASSE® LISTED 1013, RATED TO 180°F, AND SUPPLIED WITH FULL PORT BALL VALVES AND SHALL BE LEAD FREE. THE MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE (ASTM B 584), THE SEAT RING AND ALL INTERNAL POLYMERS SHALL BE NORLYL AND THE SEAT DISC ELASTOMERS SHALL BE SILICONE. THE FIRST AND SECOND CHECKS SHALL BE ACCESSIBLE FOR MAINTENANCE WITHOUT REMOVING THE RELIEF VALVE OR THE ENTIRE DEVICE FROM THE LINE. IF INSTALLED INDOORS, THE INSTALLATION SHALL BE SUPPLIED WITH AN AIR GAP ADAPTER AND PIPED PER CODE TO THE EXTERIOR OF THE BUILDING WITH FLAPPER.
BFP-2	ZURN	975XL2	JANITOR CLOSET - 107	DOMESTIC	HORIZONTAL - IN-LINE	2"	40	14	THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER SHALL BE CERTIFIED TO NSF/ANSI/CAN 61, SHALL BE ASSE® LISTED 1013, RATED TO 180°F, AND SUPPLIED WITH FULL PORT BALL VALVES AND SHALL BE LEAD FREE. THE MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE (ASTM B 584), THE SEAT RING AND ALL INTERNAL POLYMERS SHALL BE NORLYL AND THE SEAT DISC ELASTOMERS SHALL BE SILICONE. THE FIRST AND SECOND CHECKS SHALL BE ACCESSIBLE FOR MAINTENANCE WITHOUT REMOVING THE RELIEF VALVE OR THE ENTIRE DEVICE FROM THE LINE. IF INSTALLED INDOORS, THE INSTALLATION SHALL BE SUPPLIED WITH AN AIR GAP ADAPTER AND PIPED PER CODE TO THE EXTERIOR OF THE BUILDING WITH FLAPPER.
BFP-3	ZURN	475STDAV	FIRE RISER - 108	DOMESTIC	HORIZONTAL - IN-LINE	6"	500	9	THE REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL BE CERTIFIED TO NSF/ANSI/CAN 61, ASSE® LISTED 1047, AND SUPPLIED WITH FULL PORT OS & Y GATE VALVES. THE MAIN BODY AND ACCESS COVER SHALL BE 304L STAINLESS STEEL, THE SEAT RING AND CHECK VALVE SHALL BE NORLYL™, THE STEM SHALL BE STAINLESS STEEL (ASTM A 276) AND THE SEAT DISC ELASTOMERS SHALL BE EPDM. THE CHECKS AND THE RELIEF VALVE SHALL BE ACCESSIBLE FOR MAINTENANCE WITHOUT REMOVING THE DEVICE FROM THE LINE. THE REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL BE A ZURN WILKINS MODEL 475STDA.
BFP-4	ZURN	475STDAV	FIRE RISER - 115	DOMESTIC	HORIZONTAL - IN-LINE	6"	500	9	THE REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL BE CERTIFIED TO NSF/ANSI/CAN 61, ASSE® LISTED 1047, AND SUPPLIED WITH FULL PORT OS & Y GATE VALVES. THE MAIN BODY AND ACCESS COVER SHALL BE 304L STAINLESS STEEL, THE SEAT RING AND CHECK VALVE SHALL BE NORLYL™, THE STEM SHALL BE STAINLESS STEEL (ASTM A 276) AND THE SEAT DISC ELASTOMERS SHALL BE EPDM. THE CHECKS AND THE RELIEF VALVE SHALL BE ACCESSIBLE FOR MAINTENANCE WITHOUT REMOVING THE DEVICE FROM THE LINE. THE REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL BE A ZURN WILKINS MODEL 475STDA.

PLUMBING PUMP SCHEDULE														
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	TYPE	SYSTEM CAPACITY		PUMP (RPM)	ELECTRICAL				BASIN DIMENSIONS	REMARKS:
						GPM	TOTAL FT. HD.		V	PH	HZ	AMPS		
RCP-1	TACO	0034E PLUS	JANITOR CLOSET - 107	EWH-1	ELECTRIC	2	10	VARIABLE	115	1	60	1.48	NA	HIGH-PERFORMANCE, VARIABLE SPEED, WET-ROTOR CIRCULATOR WITH HIGH-EFFICIENCY ECM PERMANENT MAGNET TECHNOLOGY. PROVIDE STAINLESS STEEL CASING AND IMPELLER FOR DOMESTIC HOT WATER USE. COORDINATE INSTALLATION WITH TMV AND ELECTRICAL.

EXPANSION TANK SCHEDULE									
SYMBOL	MANUFACTURER	MODEL NO.	SERVICE	DESIGN DEG °F	TANK VOLUME (GAL.)	TANK ACCEPTANCE (GAL.)	PSIG	WEIGHT (LBS.)	REMARKS:
EXP-1	AMTROL	ST-5C-DD	EWH-1	140	2.0	0.9	60	12	DEEP DRAWN INLINE THERMAL EXPANSION TANK WITH 150 PSI WORKING PRESSURE, NSF/ANSI 61 DIAPHRAM, ANTIMICROBIAL POLYPROPYLENE WITH ANTI-LEGIONELLA PROTECTION, STAINLESS STEEL CONNECTION WITH SCHRADER VALVE, COORDINATE MOUNTING LOCATION AND STRAP TO WALL FOR SEISMIC RESTRAINTS.

THERMOSTATIC MIXING VALVE SCHEDULE										
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	OUTLET TEMPERATURE	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	SYSTEM FLOW & PRESSURE DROP	REMARKS:
TMV-1	LEONARD	XL-82-LF-FS	JANITOR CLOSET - 107	DWH-1	120	1"	1-1/4"	3/4"	15 GPM @ 5PSI	LEONARD MEGRATRON MODEL XL-82-LF LEAD FREE COMPLETE WATER TEMPERATURE CONTROL STATION, COORDINATE AND ORDER WITH TACO 0034E PLUS PUMP AS A PACKAGE, PUMP SHALL BE INSTALLED ON MEGRATRON ASSEMBLY, COORDINATE POWER REQUIREMENTS TO OUF FOR PUMP. ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR, REFER TO WATER HEATER DETAIL FOR ADDITIONAL INFORMATION.

6/14/2023 11:45:30 AM D:\Revit\2023\Projects\8734_Curry County Livestock Pavilion_MLS\Sheets\4.rvt

REVISIONS
△

NOTES

DRAWN BY: MARIPON/MIS
REVIEWED BY: PHW
DATE: 06/09/2023
PROJECT NO: #23-0003

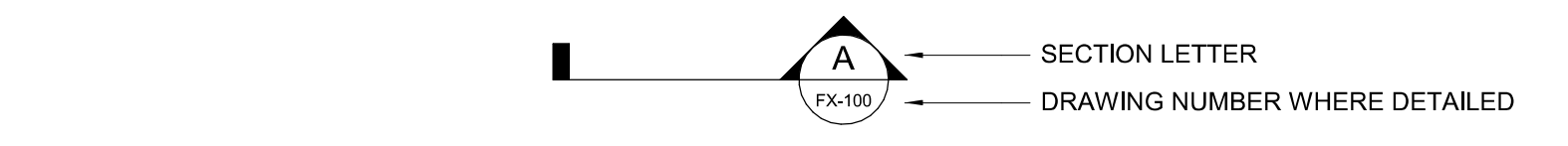
NORTH + SCALE

DRAWING NAME: PLUMBING SPECIFICATIONS

P-7.1

FIRE PROTECTION SYMBOL LEGEND

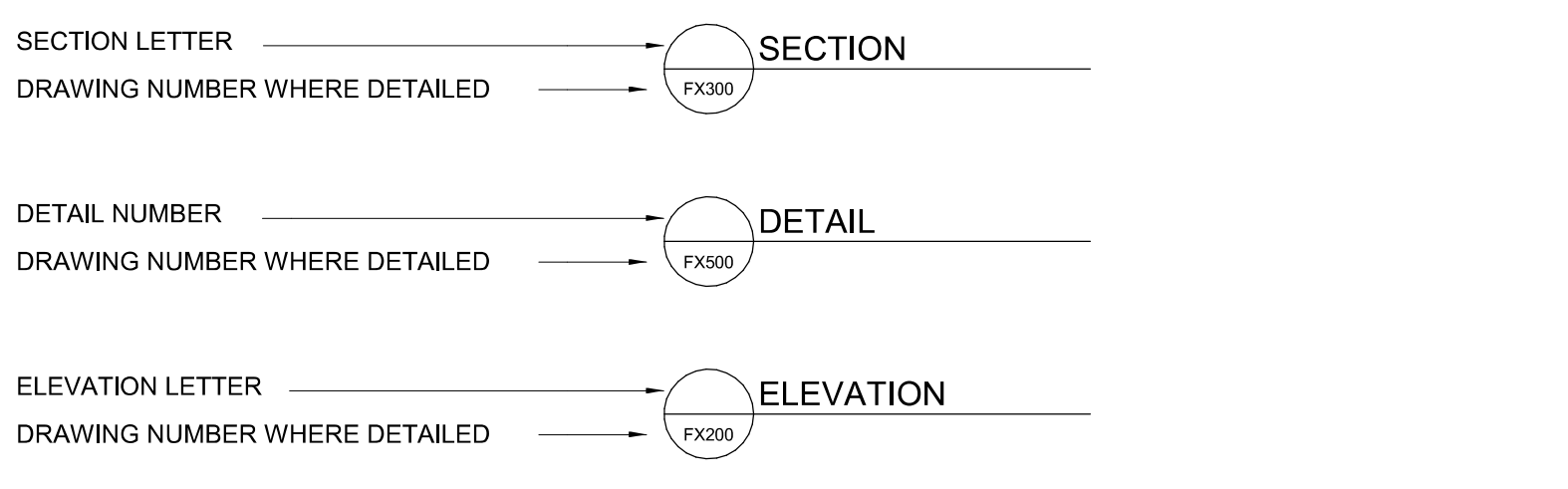
SECTION SYMBOL



DETAIL SYMBOL



SECTION, ELEVATION, AND DETAIL TITLES



SITE UTILITY SYMBOLS

DESCRIPTION	NEW	EXISTING
FIRE PROTECTION		
POST INDICATOR VALVE		
REDUCED PRESSURE BACKFLOW PREVENTER		
FIRE HYDRANT		
FIRE DEPARTMENT INLET CONNECTION		
VALVE WITH VALVE BOX		
CONSTRUCTION		
FENCING		

FIRE FLOW DATA

TEST DATE:	04/26/2023
TEST LOCATION:	NA
WATER PRESSURE ZONE:	NA
TEST ELEVATION:	NA
REQUESTED LOADING: (IF MODELED BY THE MUNICIPALITY)	NA
PEAK STATIC PRESSURE:	110 PSI
RESIDUAL PRESSURE:	63 PSI
FLOWING GPM: (IF NOT MODELED BY THE MUNICIPALITY)	1,330 GPM

SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
		KEYED NOTE
		POINT OF CONNECTION TO EXISTING
		EXISTING PIPE TO BE REMOVED
		NEW PIPING
		EXISTING PIPING TO REMAIN
		NEW PIPE CONNECTION TO EXISTING PIPING
		DIRECTION OF FLOW
		DROP IN PIPE
		RISE IN PIPE
		TOP CONNECTION, 45° OR 90°
		BOTTOM CONNECTION, 45° OR 90°
		CAPPED OUTLET
		SIDE CONNECTION
		UNION
		FLANGED UNION
		ORIFICE UNION
		REDUCER OR INCREASER
		ECCENTRIC REDUCER
		PIPE GUIDE
		FLEXIBLE CONNECTION
		UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG)
		STRAINER WITH BLOWDOWN VALVE & HOSE BIBB
		PRESSURE GAUGE AND GAUGE COCK
		TEST PLUG (PRESS/TEMP)
		PENETRATION
	MAV	MANUAL AIR VENT (MAV)
	AAV	AUTOMATIC AIR VENT (AAV)
	FS/FD/AD	FLOOR SINK, FLOOR DRAIN, AREA DRAIN
		SLOPE OF PIPE
	AG	AIR GAP FITTING
	(WH) (HB)	WALL HYDRANT, HOSE BIBB
	TP	TRAP PRIMER WITH ACCESS PANEL
		WATER MOTOR GONG
		ALARM BELL
		FIRE HOSE CABINET
		FIRE HOSE VALVE CABINET
		CLEAN AGENT FIRE SUPPRESSION
		DISCHARGE NOZZLE
		AUDIOVISUAL ALARM
		CONTROL PANEL

PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	CA	COMPRESSED AIR
	FP	FIRE PROTECTION, WET PIPE
	DFP	FIRE PROTECTION, DRY PIPE
	SP	STANDPIPE, WET
	DSP	STANDPIPE, DRY
	DP	DRY PIPE/PRE-ACTION FIRE PROTECTION

FIRE PROTECTION-INTERIOR

SYMBOL	DESCRIPTION
	PENDENT STYLE HEAD/DRY TYPE AS NOTED
	UPRIGHT STYLE HEAD/DRY TYPE AS NOTED
	SIDEWALL STYLE HEAD/DRY TYPE AS NOTED

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
BOP	BOTTOM OF PIPE
DN	DOWN
EL	ELEVATION
FFE	FINISHED FLOOR ELEVATION
FT	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INV	INVERT
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT

VALVE SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
		ROOF MANIFOLD
	FDC	FIRE DEPARTMENT INLET CONNECTION
	(E)FDC	EXISTING FIRE DEPARTMENT INLET CONNECTION
	FP	WET PIPE FIRE RISER
	DFP	DRY PIPE FIRE RISER
	DP	DELUGE/PREACTION FIRE RISER
		INSPECTOR'S TEST CONNECTION (HORIZONTAL)
		INSPECTOR'S TEST CONNECTION (VERTICAL)
		STANDPIPE VALVE
		FLOW CONTROL VALVE
		FLOW SWITCH
		GATE VALVE
		GLOBE VALVE
		OS&Y VALVE
		BUTTERFLY VALVE
		BALL VALVE
		CHECK VALVE
		WATER PRESSURE REDUCING VALVE
		AUTO BALL DRIP VALVE
		PRESSURE RELIEF VALVE
		TEMPERATURE AND PRESSURE RELIEF VALVE
		DRAIN VALVE
		VALVE IN VERTICAL
		FLOW SWITCH
		DIAPHRAGM (PROCESS SYSTEMS)
		REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
		ATMOSPHERIC VACUUM BREAKER
		PRESSURE STYLE VACUUM BREAKER

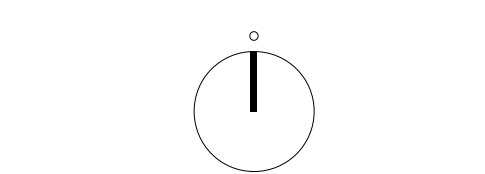
NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

REVISIONS

NOTES

DRAWN BY	MAR/PCN/MIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE



DRAWING NAME
FIRE PROTECTION LEGEND

FX0.1

GENERAL SHEET NOTES

- A. THE CONTRACTOR SHALL COMPLY WITH NFPA-13 AND REQUIREMENTS OF THE AHJ.
- B. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- C. ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO NFPA STANDARDS AND BE UL LISTED.
- D. SPRINKLER SYSTEMS SHALL BE DESIGNED TO REFLECT THE REQUIREMENTS OF NFPA 13 THROUGHOUT ENTIRE BUILDING, UNLESS NOTED OTHERWISE.
- E. MAXIMUM SPRINKLER HEAD COVERAGE SHALL BE 225 SQ.FT. PER HEAD IN LIGHT HAZARD AREAS.
- F. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO FABRICATION AND DURING INSTALLATION.
- G. THE CONTRACTOR SHALL SUPPLY AND INSTALL AN INSPECTORS TEST CONNECTION (ITC) FOR EACH SPRINKLER SYSTEM, RUN THROUGH EXTERIOR WALLS WHERE APPROVED BY ARCHITECT/ENGINEER.
- H. THE ARCHITECT SHALL APPROVE THE AESTHETICS OF THE SPRINKLER HEADS AND EXPOSED PIPING LAYOUT.
- I. PROVIDE PENDANT AND UPRIGHT SPRINKLERS IN ALL CONCEALED COMBUSTIBLE SPACES.
- J. USE FLUSH CONCEALED HEADS IN ALL TOILET ROOMS. PROVIDE SPRINKLERS UNDER EXPOSED DUCT OR OBSTRUCTIONS 4" WIDE AND LARGER.
- K. REFER TO CEILING TILE DETAIL K2/FX.1 FOR SPRINKLER HEAD LOCATIONS IN CEILING TILES.
- L. PROVIDE SIDEWALL SPRINKLER HEADS AT TOP OF SKYLIGHTS.

SHEET KEYNOTES

- 1. PROVIDE ORDINARY HAZARD GROUP 1 COVERAGE AT DESIGN DENSITY OF 0.15 GPM/1,500 SQ.FT.
- 2. SUPPLY THIS SPACE WITH A DEDICATED BRANCH LINE. NO OTHER PIPING SHALL RUN THROUGH THIS ROOM.
- 3. TERMINATE IN ACCORDANCE WITH NFPA-13. REFER TO DETAIL XX/FX501.
- 4. INSPECTORS TEST VALVE. REFER TO DETAIL XX/FX501.
- 5. MOST REMOTE HEAD.
- 6. DRY PIPE SYSTEM, NITROGEN GENERATOR. COORDINATE INSTALLATION WITH ELECTRICAL AND WET RISER/PP. FINAL UNIT SIZE SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
- 7. PROVIDE ORDINARY HAZARD GROUP 2 COVERAGE AT DESIGN DENSITY OF 0.20 GPM/1,500 SQ.FT.
- 8. PROVIDE COVERAGE TO CLERESTORY ABOVE. COORDINATE PIPE ROUTING UP TO PROVIDE COVERAGE AS REQUIRED.
- 9. COORDINATE ROUTING OF EAST WEST LINES. MAINS TO BE ROUTED IN HOLES IN STRUCTURE AS HIGH AS POSSIBLE. COORDINATE FIRE MAIN ROUTING WITH PLUMBING PIPING, GARAGE DOOR HEIGHTS, LIGHTING AND MECHANICAL EQUIPMENT LAYOUTS.
- 10. EDGE OF CLERESTORY WALL ABOVE.
- 11. ROUTE 1" DIAMETER INDIRECT DRAIN FROM BACK FLOW PREVENTER TO EXTERIOR. TERMINATE AT EXTERIOR WALL AND PROVIDE WITH FLAPPER AND SPLASH BLOCK. COORDINATE ROUTING IN RISER ROOM AND SLOPE TO DRAIN. BRACE AND SUPPORT PIPING AS REQUIRED.
- 12. REFER TO CIVIL FOR CONTINUATION TO PIV ON SITE. COORDINATE WITH LOCATION WATER AUTHORITY FOR REQUIREMENTS.
- 13. REFER TO CIVIL FOR CONTINUATION TO FDC ON SITE. FINAL LOCATION SHALL BE COORDINATED AND APPROVED BY LOCAL FIRE MARSHALL.
- 14. PIPING IN THIS AREA SHALL BE LOCATED ABOVE TONGUE AND GROOVE CEILING. COORDINATE ROUTING.
- 15. DRY SPRINKLER RISER. REFER TO DETAIL A6/FX.3.1 FOR ADDITIONAL INFORMATION.
- 16. WET SPRINKLER RISER AND BACKFLOW PREVENTER. REFER TO DETAIL C3 AND C6/FX.3.1 FOR ADDITIONAL INFORMATION.

REVISIONS

△	

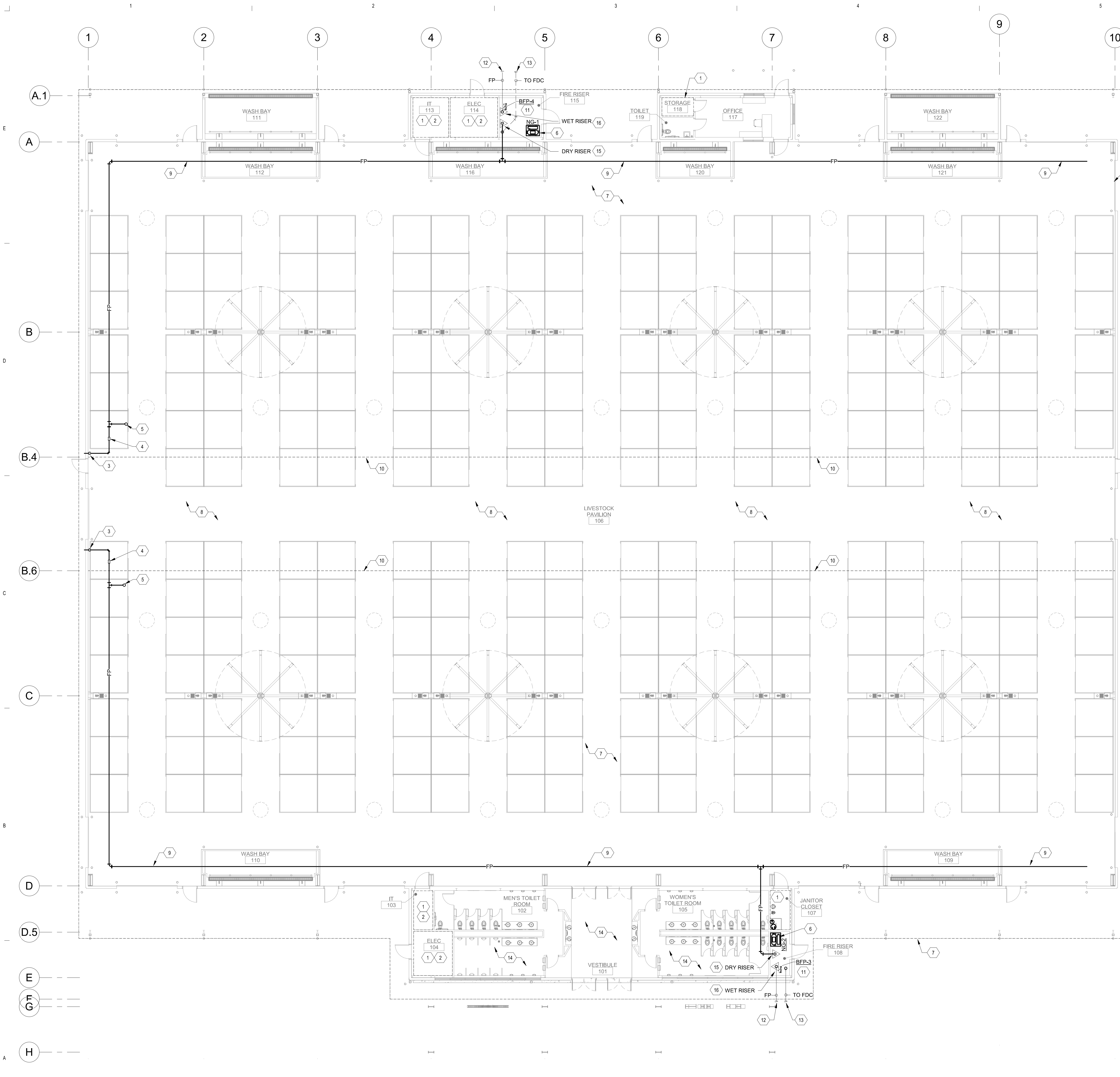
NOTES

DRAWN BY	Author
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
FIRE PROTECTION FLOOR PLAN

FX1.1

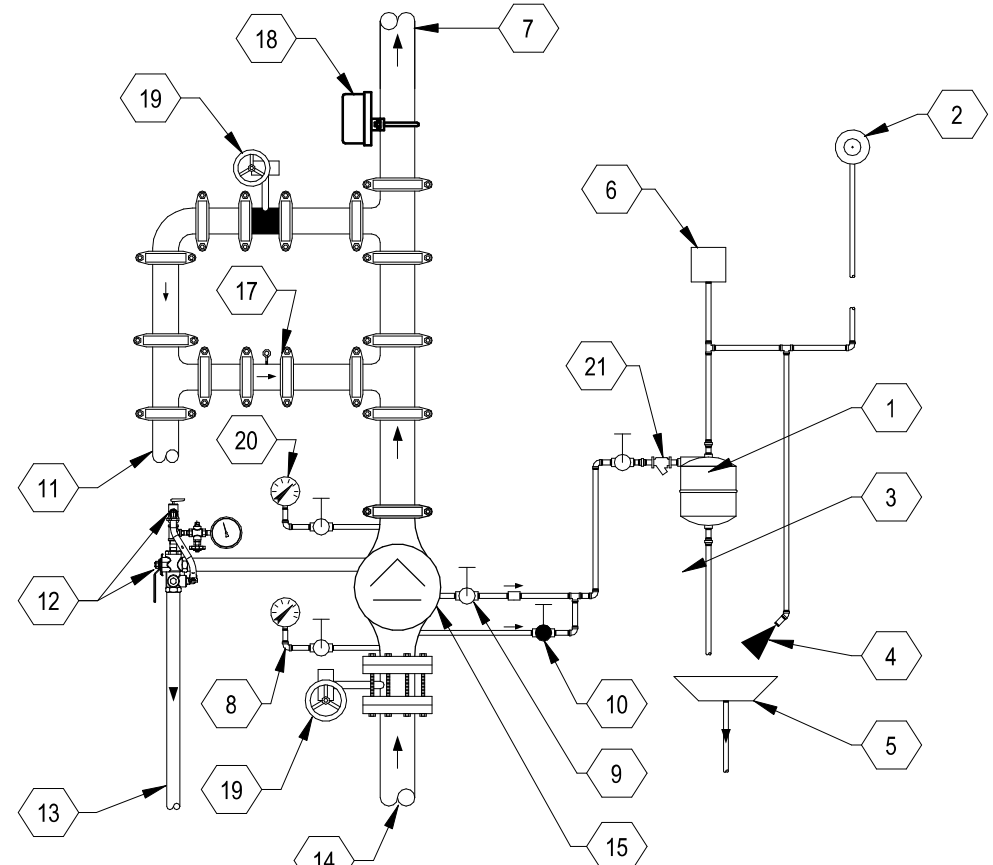


A1 FIRE PROTECTION FLOOR PLAN
3/32" = 1'-0"
0' 8' 16' 32'

6/14/2023 11:42:59 AM D:\Reel_2023\Projects\8734_Curry County Livestock Pavilion_MLS\SheetA4.rvt

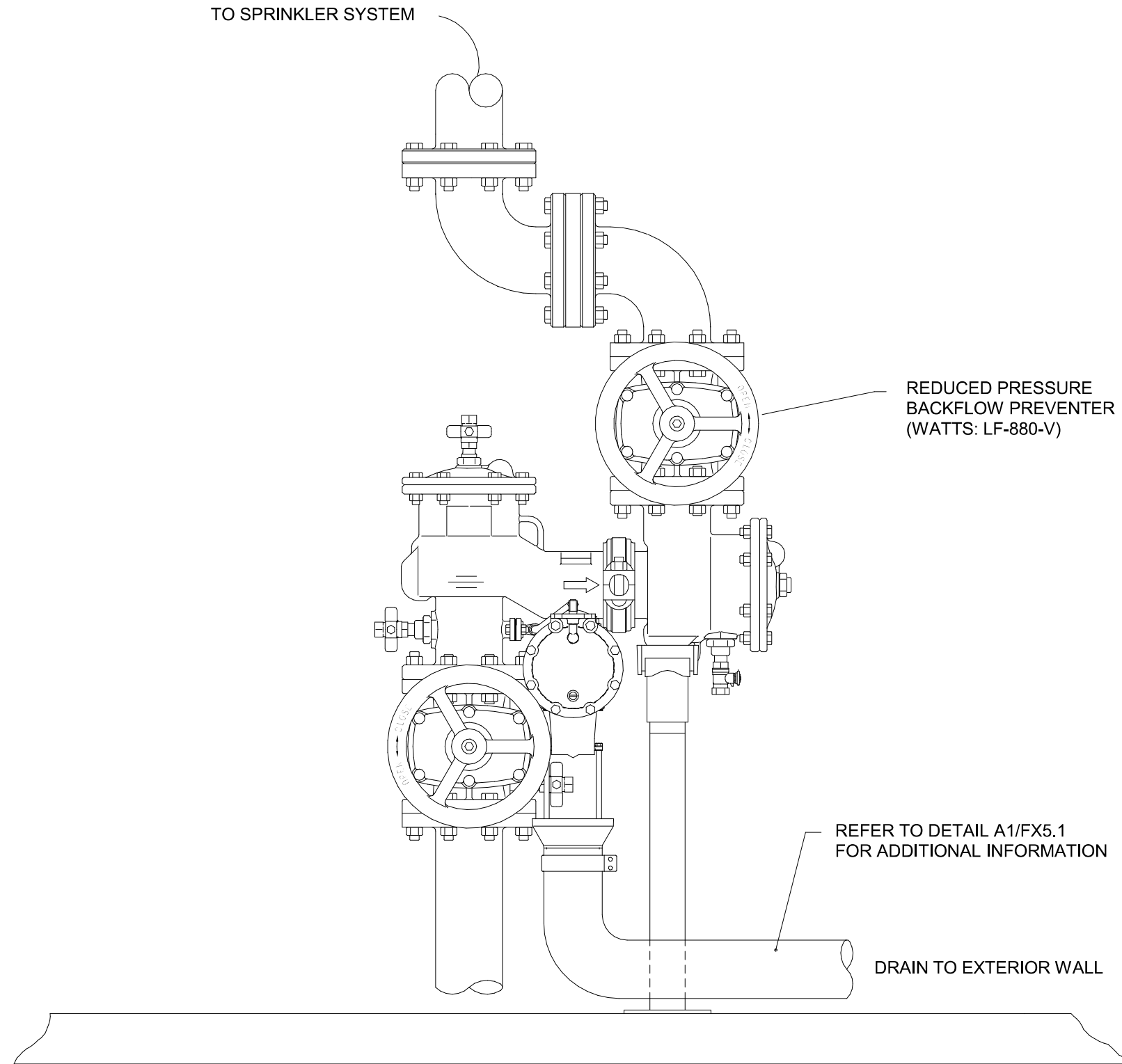
Bridgers & Paxton Project No. 8734

PLUMBING MISC. EQUIPMENT SCHEDULE						
SYMBOL	MANUFACTURER	MODEL NO.	ELECTRICAL			REMARKS:
			V	PH	A	
NG-1	NZBLAST	FPS-900	110	1	4.3	NZBLAST FPS-900 NITROGEN GENERATOR FOR UP TO 800 GAL. OF TOTAL SPRINKLER CAPACITY. UL 508A LISTED PANEL. FM1035 APPROVED. DUAL-BED PSA TECHNOLOGY. BLAST-OFF LEAK DETECTION SYSTEM AND AIR BYPASS ALARM. INTEGRATED AIR COMPRESSOR, 28 GALLON NITROGEN RECEIVER TANK. PROVIDE 1 YEAR WARRANTY. INSTALL FOR A COMPLETE SYSTEM AND COORDINATE WITH DRY AND WET RISER ASSEMBLIES. FINAL UNIT SIZE SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR/ENGINEER.
NG-2	NZBLAST	FPS-900	110	1	4.3	NZBLAST FPS-900 NITROGEN GENERATOR FOR UP TO 800 GAL. OF TOTAL SPRINKLER CAPACITY. UL 508A LISTED PANEL. FM1035 APPROVED. DUAL-BED PSA TECHNOLOGY. BLAST-OFF LEAK DETECTION SYSTEM AND AIR BYPASS ALARM. INTEGRATED AIR COMPRESSOR, 28 GALLON NITROGEN RECEIVER TANK. PROVIDE 1 YEAR WARRANTY. INSTALL FOR A COMPLETE SYSTEM AND COORDINATE WITH DRY AND WET RISER ASSEMBLIES. FINAL UNIT SIZE SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR/ENGINEER.

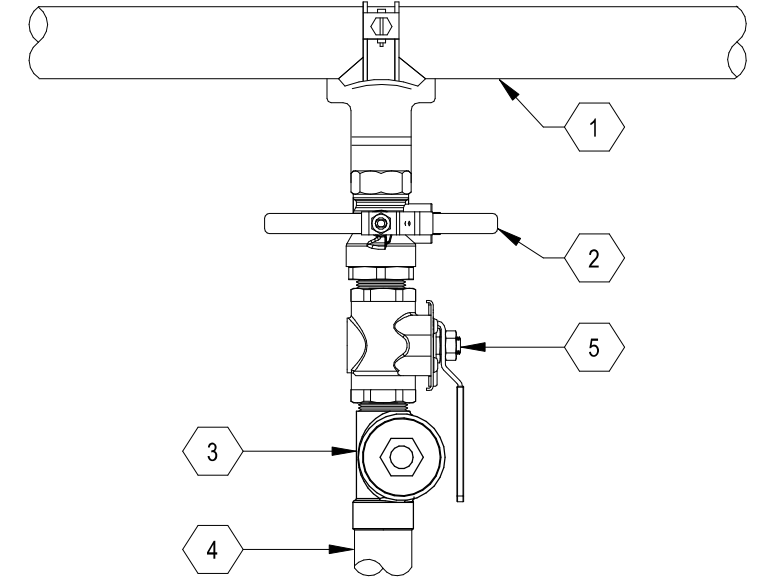


- 1 RETARDING CHAMBER
- 2 WATER MOTOR ALARM LOCATED 8'-0" A.F.G. & ADJACENT TO SIAMSESE FIRE DEPARTMENT INLET CONNECTION. DRAIN IN A CODE COMPLIANT MANNER.
- 3 AUTOMATIC DRIP
- 4 RESTRICTED VENT
- 5 DRIP CUP W/DRAIN LINE TO EXTERIOR DISCHARGE
- 6 ALARM PRESSURE SWITCH
- 7 TO WET SPRINKLER SYSTEM
- 8 SUPPLY WATER PRESSURE GAUGE AND VALVE
- 9 ALARM SHUT-OFF VALVE & CHECK VALVE (NORMALLY OPEN)
- 10 ALARM TEST VALVE (NORMALLY CLOSED)
- 11 FROM FIRE DEPARTMENT CONNECTION (FDC)
- 12 FULL SIZED MAIN DRAIN VALVE WITH SYSTEM PRESSURE RELIEF VALVE AND GAUGE, UL/FM LISTED
- 13 TO EXTERIOR DISCHARGE
- 14 FROM FIRE PROTECTION MAIN SUPPLY LINE
- 15 ALARM CHECK VALVE
- 16 INDICATING BUTTERFLY VALVE, USED FOR FORWARD FLOW TEST (NORMALLY CLOSED)
- 17 WAFER CHECK VALVE
- 18 FLOW SWITCH, COORDINATE WIRING WITH LATEST NFPA REQUIREMENTS FOR "AUDIBLE SIGNALS/SOUNDERS"
- 19 INDICATING BUTTERFLY VALVE (CONTROL VALVE), NORMALLY OPEN
- 20 SYSTEM WATER PRESSURE GAUGE AND VALVE
- 21 STRAINER

C1 SPRINKLER ALARM VALVE 1/4" = 1'-0"

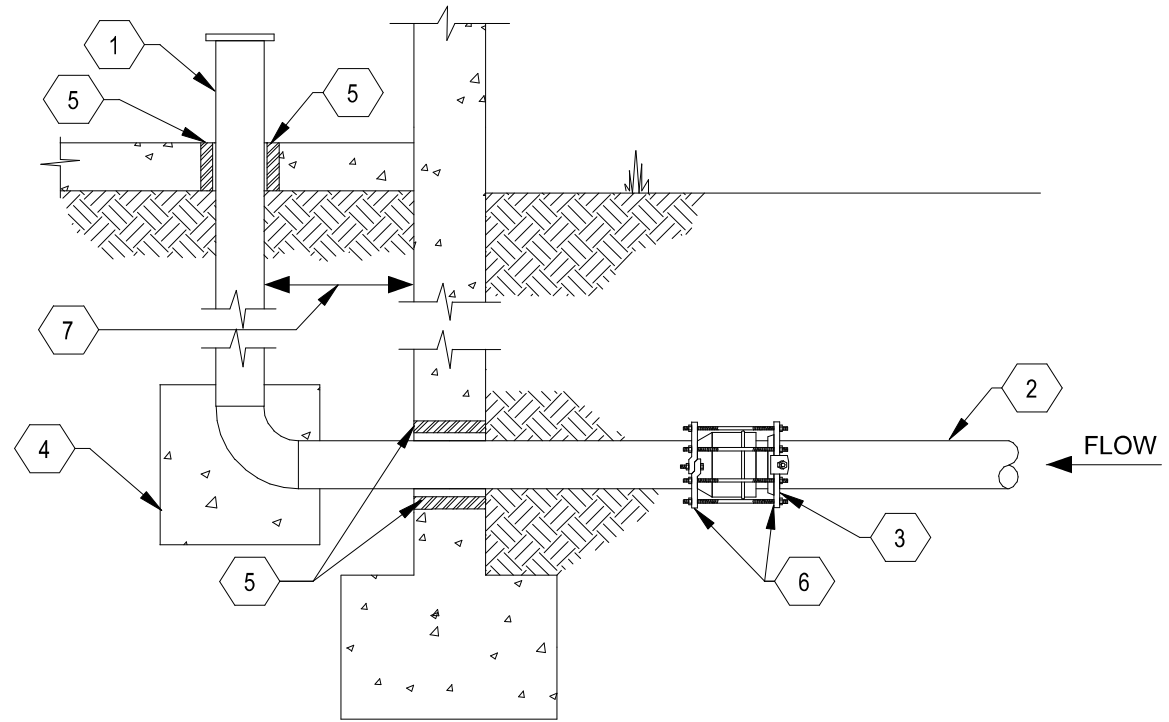


C3 FIRE RISER BACKFLOW PREVENTER 1/8" = 1'-0"



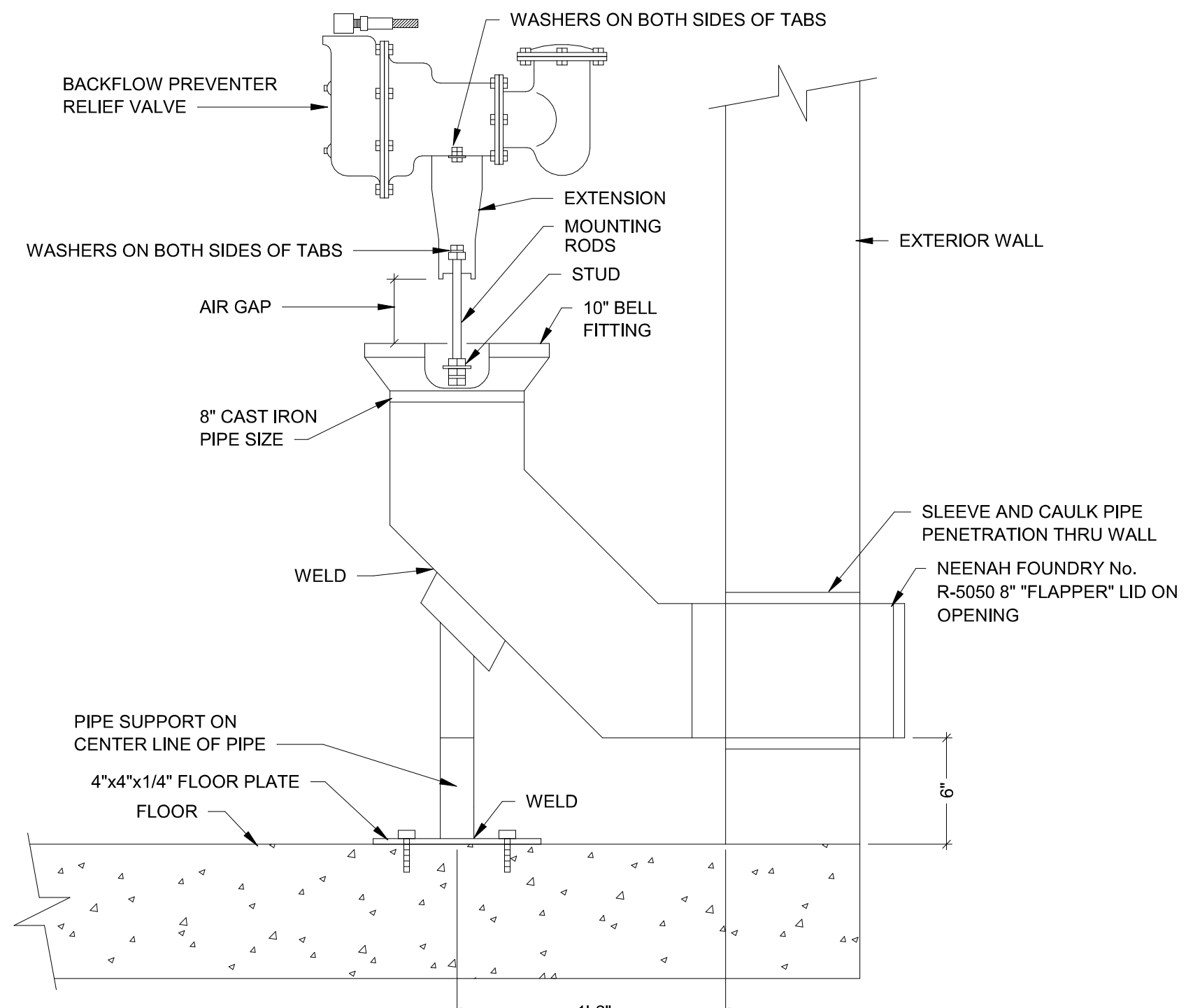
- 1 SPRINKLER MAIN, SEE PLANS FOR SIZE AND LOCATION
- 2 TEST VALVE, FM/UL LISTED.
- 3 SIGHT GLASS, FM/UL LISTED.
- 4 DISCHARGE DRAIN LINE, SEE PLANS FOR SIZE AND LOCATION
- 5 DRAIN VALVE, FM/UL LISTED.

C4 INSPECTORS TEST CONNECTION 1/4" = 1'-0"

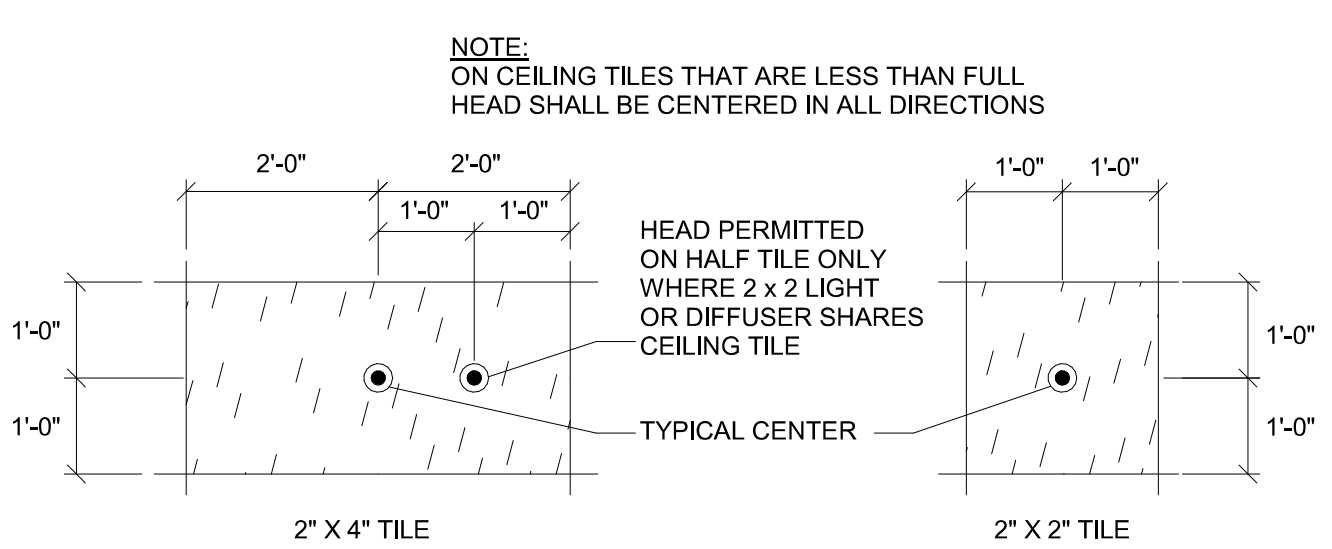


- 1 AMES IN-BUILDING RISER, STAINLESS STEEL TYPE 304. SEE FIRE PROTECTION PLANS FOR SIZE AND SERVICE
- 2 DUCTILE IRON OR PVC WATER SERVICE.
- 3 MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL. CONTINUE INTO BUILDING WITH STAINLESS STEEL.
- 4 CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH IBC IF REQUIRED BY AHJ
- 5 PIPE SLEEVE, SEE SPECIFICATIONS
- 6 MEGALUG PIPE RESTRAINT HARNESS
- 7 VERTICAL SECTION OF RISER LOCATED AS CLOSE AS POSSIBLE TO WALL

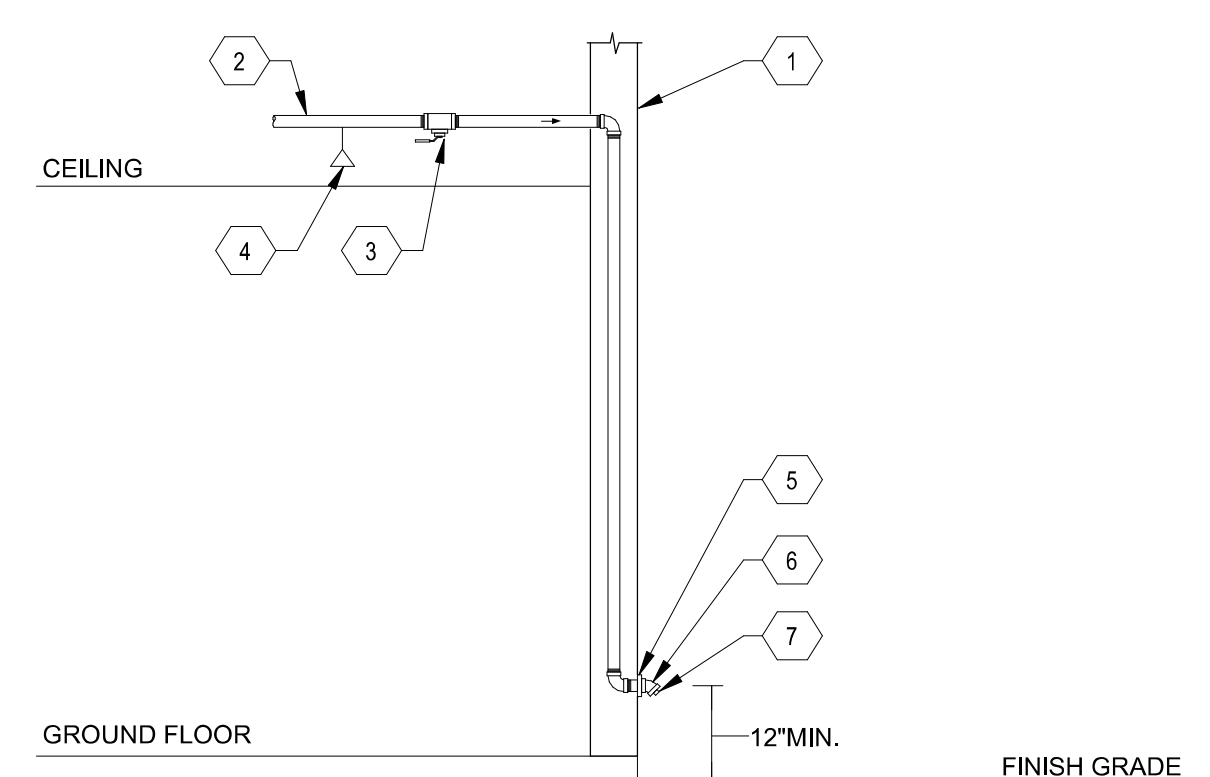
C6 FIRE SUPPLY ENTRY THRU FOOTING DETAIL 1/4" = 1'-0"



A1 FIRE RPZ CATASTROPHIC DRAIN DETAIL 1/4" = 1'-0"

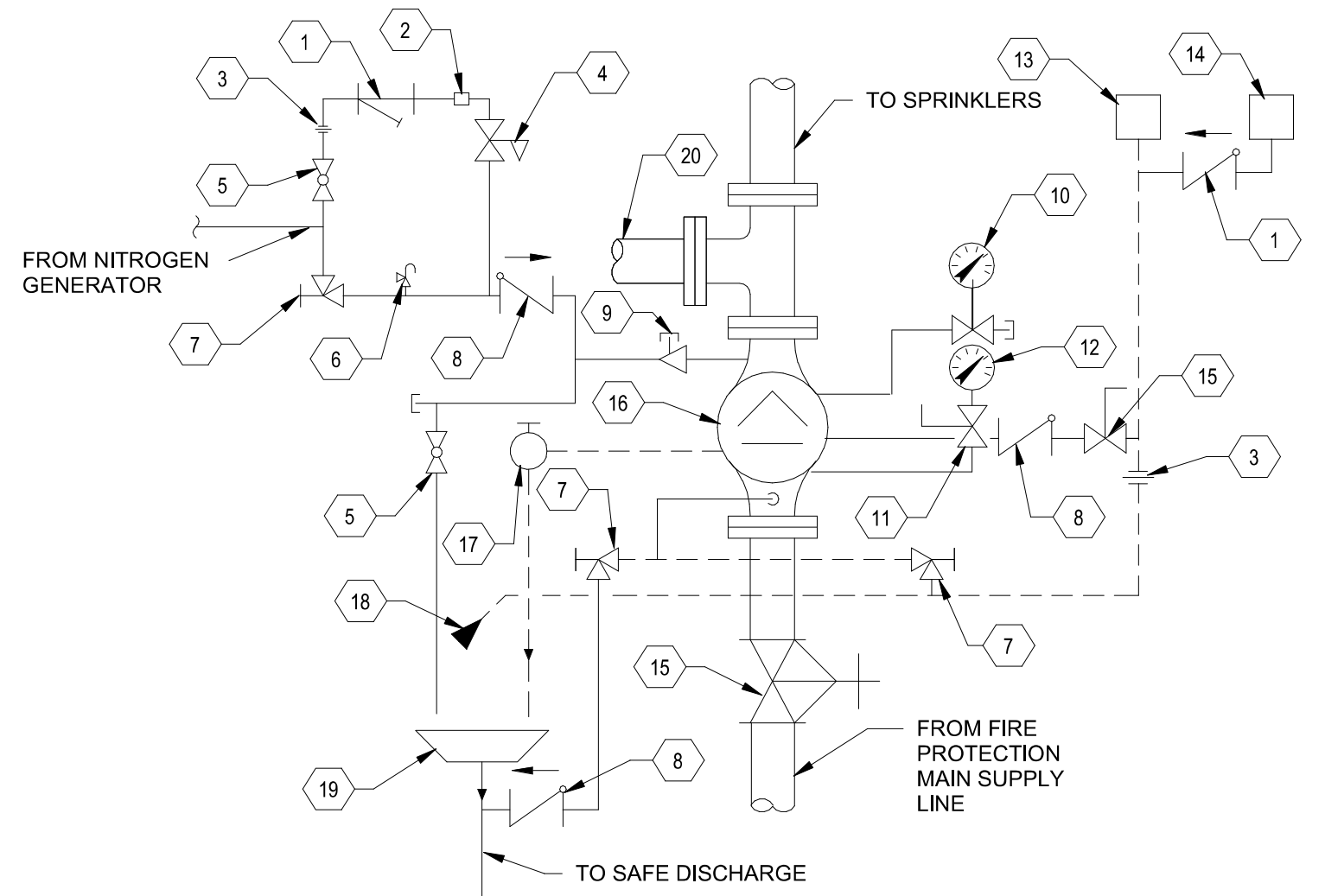


A3 FIRE SPRINKLER CEILING TILE DETAIL 1/4" = 1'-0"



- 1 EXTERIOR WALL
- 2 1" SUPPLY FROM SPRINKLER SYSTEM ZONE
- 3 READILY ACCESSIBLE, 1" TEST & DRAIN VALVE WITH SIGNAGE (NORMALLY CLOSED)
- 4 MOST REMOTE SPRINKLER HEAD
- 5 1" GALVANIZED WALL PLATE
- 6 1" GALVANIZED 45 DEGREE ELBOW
- 7 SMOOTH BORE CORROSION RESISTANT OUTLET WITH FLOW EQUAL TO ONE SPRINKLER WITH SMALLEST ORIFICE

A4 INSPECTORS TEST DRAIN VALVE 1/4" = 1'-0"



- 1 STRAINER.
- 2 RESTRICTION.
- 3 UNION.
- 4 PRESSURE REGULATOR.
- 5 GLOBE VALVE.
- 6 PRESSURE RELIEF VALVE.
- 7 ANGLE VALVE.
- 8 CHECK VALVE.
- 9 REDUCING TEE WITH PLUG.
- 10 AIR PRESSURE GAUGE.
- 11 THREE WAY VALVE.
- 12 WATER PRESSURE GAUGE.
- 13 PRESSURE SWITCH.
- 14 WATER MOTOR ALARM.
- 15 O S & Y VALVE.
- 16 ALARM CHECK VALVE.
- 17 DRIP CHECK.
- 18 RESTRICTED ELBOW.
- 19 DRAIN CUP.
- 20 FROM SIAMSESE INLET.

A6 DRY SPRINKLER ALARM VALVE DETAIL 1/4" = 1'-0"

REVISIONS

NOTES

DRAWN BY: Author
 REVIEWED BY: PHW
 DATE: 06/09/2023
 PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
FIRE PROTECTION DETAILS & SCHEDULES

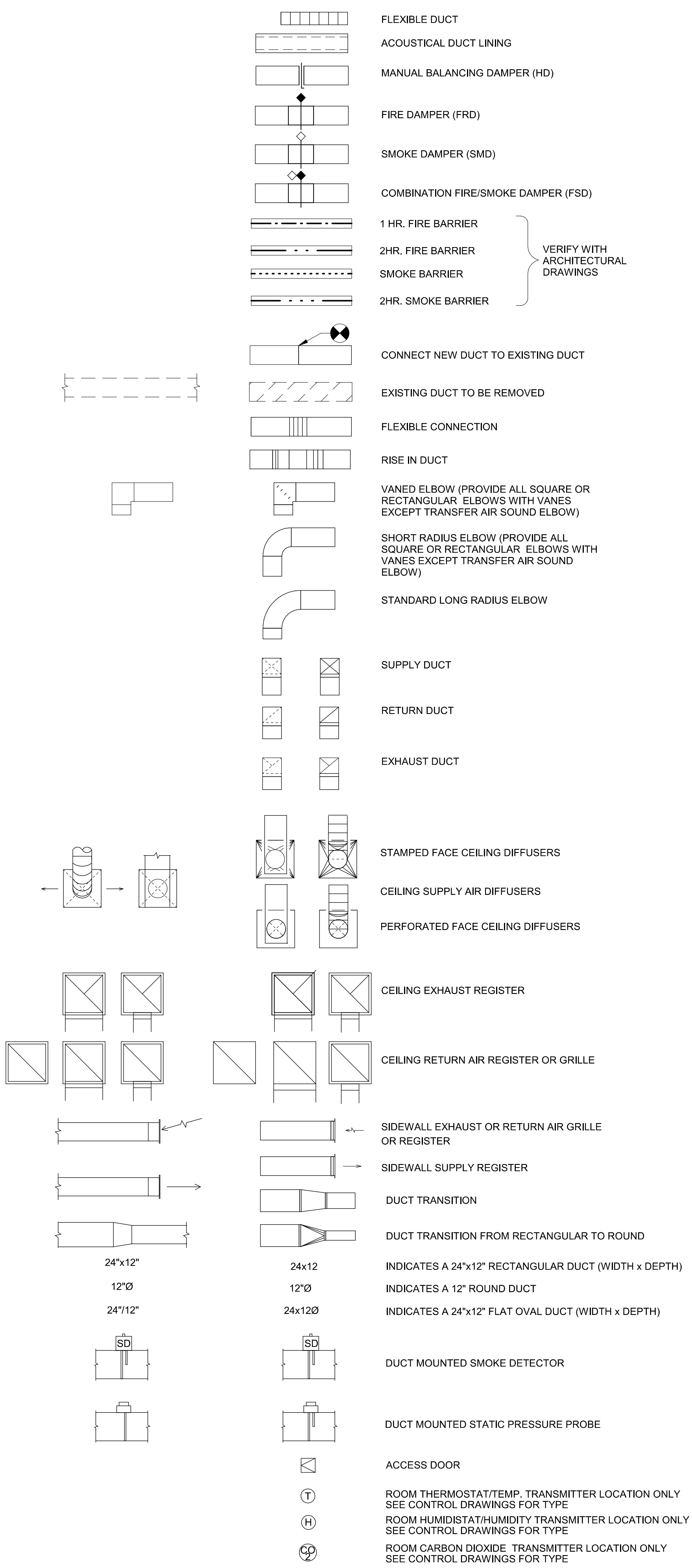
FX5.1

6/14/2023 11:43:02 AM D:\Revit\2023\Projects\8734_Curry County Livestock Pavilion_MLS\Sheet44.rvt

ABBREVIATIONS

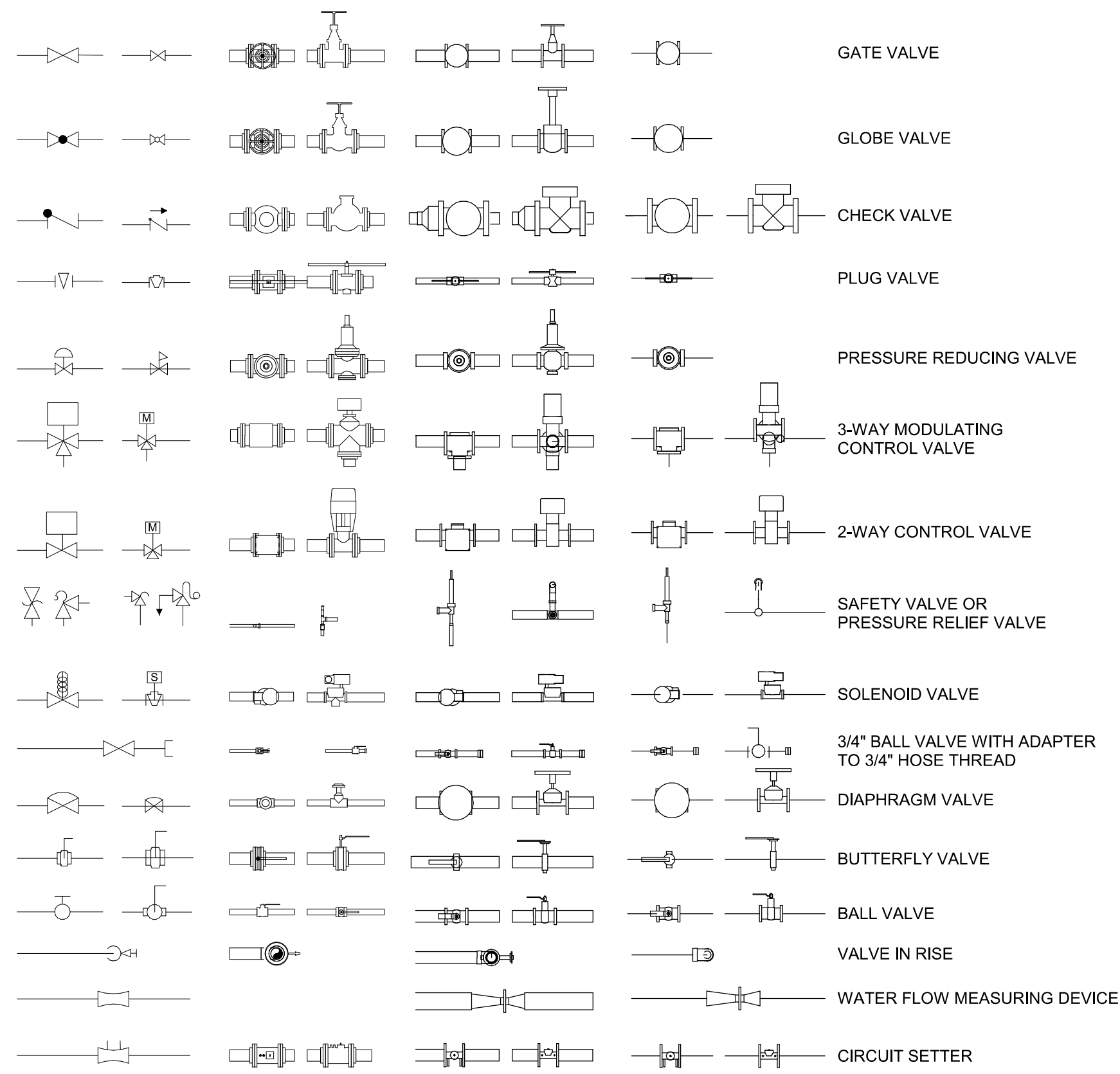
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTIC LINING
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CONT.	CONTINUATION
D	DRAIN
DX	DIRECT EXPANSION
ENT	ENTERING
EXH	EXHAUST
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
°F	DEGREES FAHRENHEIT
FB	FLAT BOTTOM
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
F.G.	FILTER GAUGE
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FLAT TOP
FT.	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HAND DAMPER (VOLUME DAMPER)
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
IN	INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
MA	MAIN AIR (CONTROLS)
MCC	MOTOR CONTROL CENTER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY)
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
QTY	QUANTITY
QUAD	QUADRANT
R.A.	RETURN AIR
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SCD	SMOKE CONTROL DAMPER
SP	STATIC PRESSURE (INCHES OF WATER)
SDVV	SINGLE DUCT VARIABLE VOLUME
ST	SOUND TRAP
TOPT	TOP OF PIPE TRAPEZE
TP	TOTAL PRESSURE (INCHES OF WATER)
TYP.	TYPICAL
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VTR	VENT THRU ROOF

DUCTWORK SYMBOLS

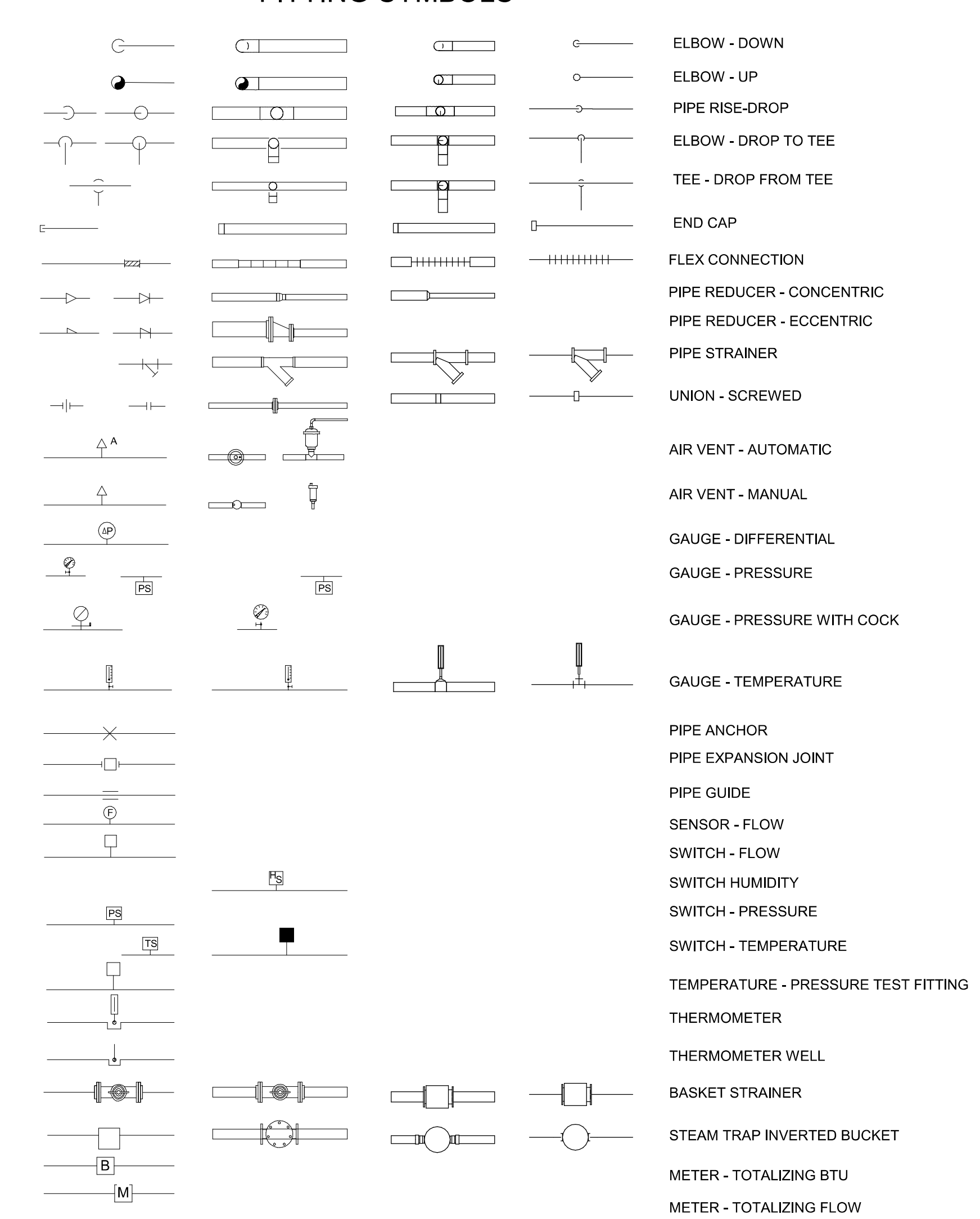


MECHANICAL SYMBOL LEGEND

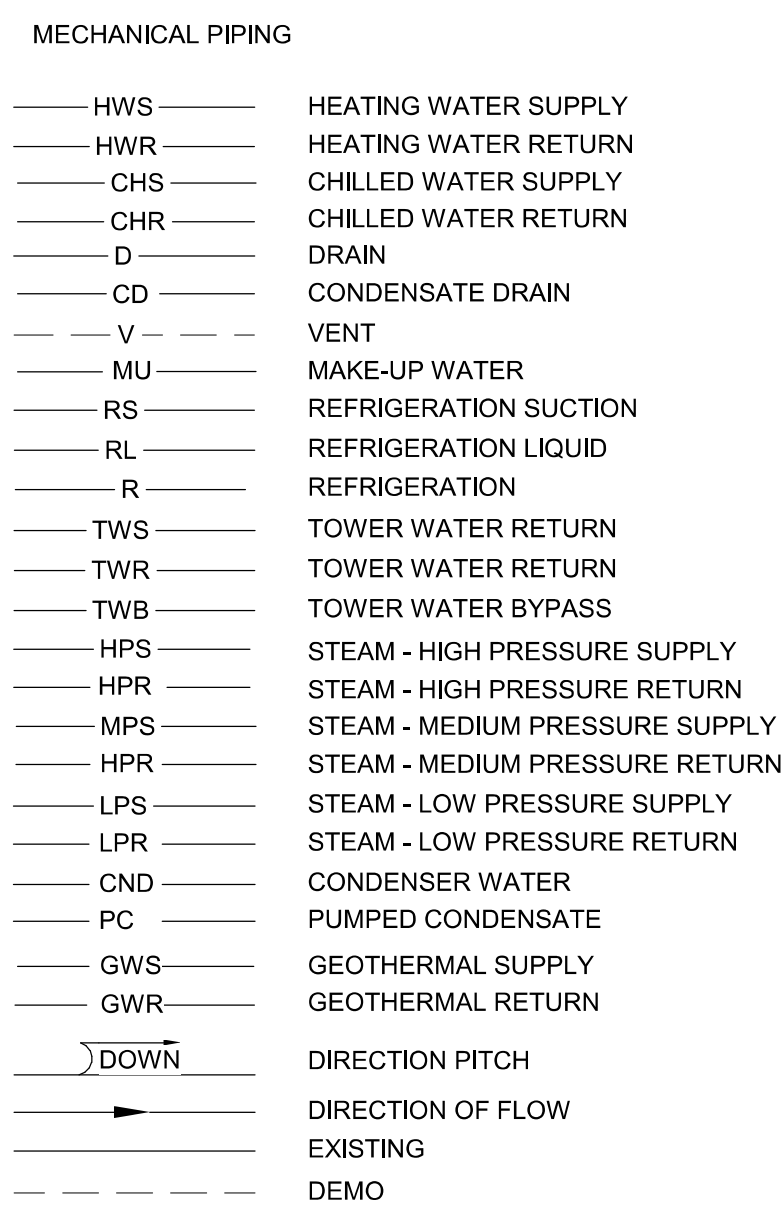
VALVE SYMBOLS



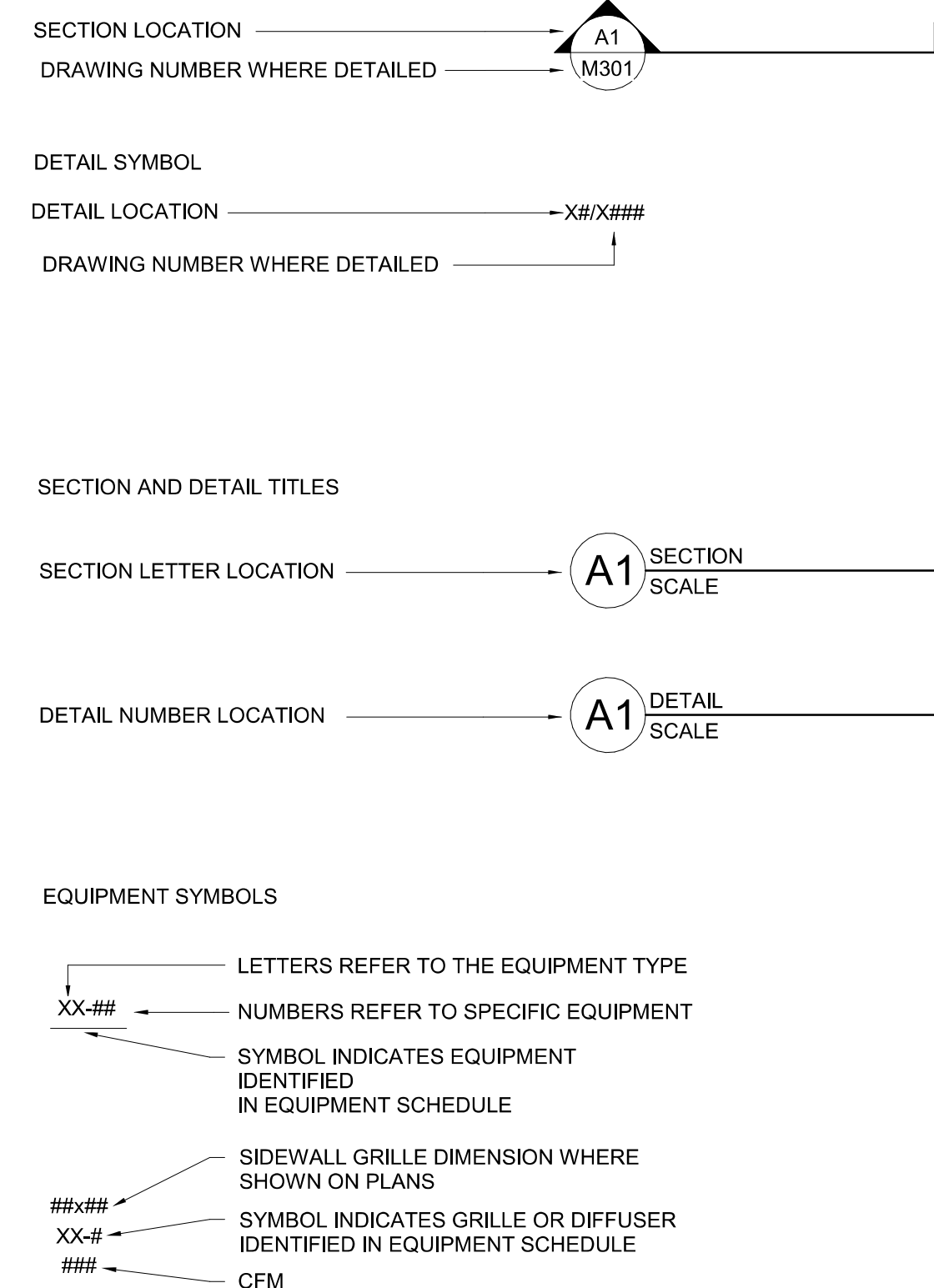
FITTING SYMBOLS



PIPING SYMBOLS



SECTION SYMBOL



NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

GENERAL NOTES

- A. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS, UNLESS OTHERWISE NOTED.
- B. PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FANS, CONTROLS, ETC. THEY SHALL BE FURNISHED UNDER DIVISION 23 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. ACCESS DOOR RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.
- C. WATER PIPE CONNECTIONS TO WATER COILS SHALL BE MADE SO THERE WILL BE COUNTER FLOW BETWEEN WATER AND AIR.
- D. COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, REGISTERS, ACCESS DOORS, ETC., WITH THE ARCHITECTURAL REFLECTED CEILING PLAN(S).
- E. ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE.
- F. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. ALL DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS. PROVIDE ONE INCH ACOUSTICAL LINING (TYPE D3 INSULATION) IN LOW VELOCITY RECTANGULAR DUCTWORK FOR THE FIRST 10 DIAMETERS OF DUCTWORK CONNECTED TO DEVICE, OR AS INDICATED ON DRAWINGS, WHICHEVER IS GREATER. FOR THE REMAINDER OF THIS DUCTWORK PROVIDE AS INDICATED IN THE INSULATION SPECIFICATIONS.
- G. PROVIDE 1/2" MANUAL AIR VENTS AT ALL HIGH POINTS OF CLOSED SYSTEM PIPING AND 1/2" MANUAL DRAIN VALVES WITH HOSE CONNECTION AT LOW POINTS AS REQUIRED TO PROVIDE COMPLETE SYSTEM DRAINAGE. WHERE DRAIN VALVES OCCUR ABOVE CEILING AREAS AND IN AREAS OUTSIDE MECHANICAL RANGE PROVIDE HOSE CONNECTION ON VALVE.
- H. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS, EXCEPT TRANSFER AIR SOUND ELBOWS.
- I. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. PROVIDE APPROVED FIRE DAMPERS IN ALL REQUIRED PENETRATIONS FOR DUCTWORK, GRILLES, REGISTERS AND DIFFUSERS. ALL PIPE AND DUCTWORK PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CALKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. APPROVED FIRE PROOF CALKING MATERIAL.
- J. CONTRACTOR SHALL COORDINATE ALL DUCTWORK, PIPING, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- K. CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- L. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT, ETC., AS MAY BE REQUIRED TO ADEQUATELY SUPPORT THE MECHANICAL, PIPING, DUCTWORK AND EQUIPMENT IN A MANNER APPROVED BY THE ARCHITECT, WHICH WILL NOT OVERLOAD THE BUILDING STRUCTURAL SYSTEM.
- M. CONTRACTOR SHALL PROVIDE RETURN AIR OR TRANSFER AIR OPENINGS IN FULL HEIGHT WALLS SIZED AT 300 FPM (UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE DRAWINGS) TO CREATE AND/OR MAINTAIN A RETURN AIR PATH AS REQUIRED. FIRE DAMPERS AND/OR SMOKE DAMPERS SHALL BE PROVIDED IN SUCH OPENINGS WHERE REQUIRED BY NOTE "J".
- N. SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, DUCT WALL PENETRATIONS AND FITTING CONNECTIONS ON ALL DUCT SYSTEMS.
- O. MECHANICAL ITEMS SUCH AS ROOF DRAINS, FLOOR DRAINS, PLUMBING FIXTURES, ETC. SHOWN ON THE ARCHITECTURAL DRAWINGS BUT NOT SHOWN ON THE MECHANICAL DRAWINGS SHALL BE INCLUDED IN THE PROJECT. THESE ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR INCLUSION IN ADDENDUM.

GENERAL SHEET NOTES

- A. SEE DETAIL A1M-5.1 FOR LOW PRESSURE DUCT FITTINGS.
- B. SEE DETAIL A2M-5.1 FOR SOUND ELBOW TYPICAL DETAIL. ALL TRANSFER OR RETURN AIR OPENINGS SHALL BE LINED WITH 1" AL.
- C. SEE DETAIL A3M-5.1 FOR DIFFUSER AND REGISTER CONNECTION DETAIL.
- D. SEE DETAIL A5M-5.1 FOR WALL MOUNTED EXHAUST FAN DETAIL.
- E. SEE DETAIL A6M-5.1 FOR IECC 2018 COMPLIANCE NOTES.

SHEET KEYNOTES

- 1. INSTALL WALL MOUNTED MINI SPLIT OUTDOOR UNIT WITH CONDENSER WALL BRACKET. COORDINATE INSTALLATION ORIENTATION WITH ARCHITECTURAL DRAWINGS.
- 2. INSTALL ELECTRIC UNIT HEATER SUSPENDED FROM STRUCTURE. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND CONNECTIONS TO STRUCTURE.
- 3. INSTALL ELECTRIC UNIT HEATER RECESSED IN WALL. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION IN WALL.
- 4. CONNECT DUCT FROM SF-1 WITH CONTINUOUS DRAINABLE BLADE LOUVER. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER DETAILS. SEE DETAIL A4M-5.1 FOR INLINE FAN DETAIL. MOUNT AT 30'-6" A.F.F.
- 5. ROUTE 5" FLUE AIR DUCT THROUGH ROOF. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND PENETRATION THROUGH ROOF. TERMINATE WITH LISTED WEATHER CAP.
- 6. ROUTE 5" FLUE AIR DUCT THROUGH SIDEWALL. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND PENETRATION THROUGH SIDEWALL. TERMINATE WITH LISTED WEATHER CAP.
- 7. 10"x4" DAMPERS CONNECTED TO LOUVER SPECIFIED BY ARCHITECT AND SPACED 1' APART. USE SHEET METAL TO BLANK OUT SECTIONS BETWEEN DAMPERS. REFER TO CONTROLS DIAGRAM FOR ACTIVATION OF DAMPERS.
- 8. INSTALL GAS FIRED UNIT HEATER SUSPENDED FROM STRUCTURE AT 9'-8" A.F.F. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND CONNECTIONS TO STRUCTURE.
- 9. INSTALL WALL MOUNTED MINI SPLIT INDOOR UNIT. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR PIPE INSTALLATION AND ROUTING TO OUTDOOR UNIT.
- 10. HUSL FAN MOUNTED AT 16'-0" A.F.F. MOUNT PER MANUFACTURERS DIRECTIONS. BOTTOM OF PANEL FAN SHALL BE 10'-0" AFF.
- 11. BOTTOM OF SIDEWALL FAN SHALL BE AS HIGH AS POSSIBLE.
- 12.

REVISIONS

△	

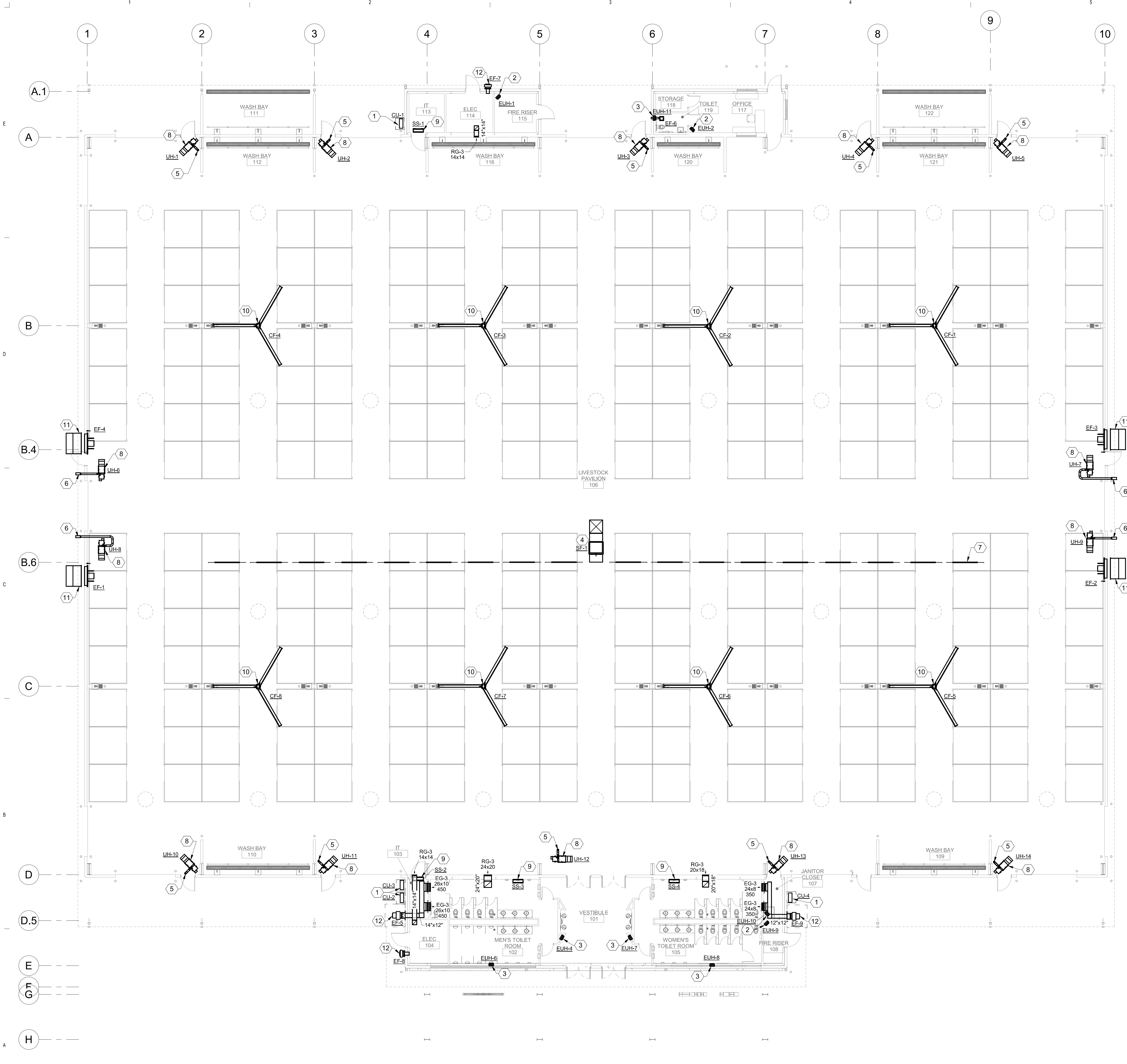
NOTES

DRAWN BY	Author
REVIEWED BY	Approver
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
HVAC FLOOR PLAN

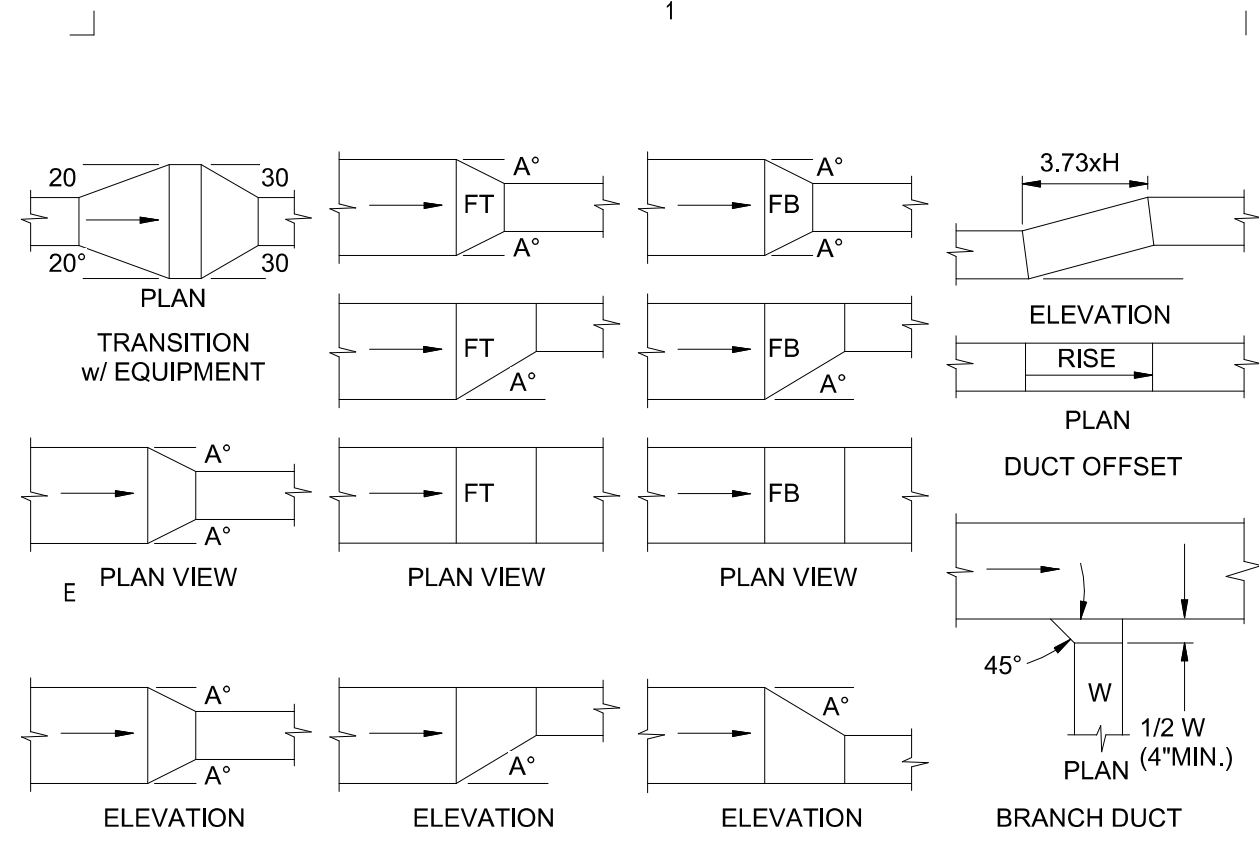
MH1.1



A1 HVAC FLOOR PLAN
3/32" = 1'-0"
0' 8' 16' 32'

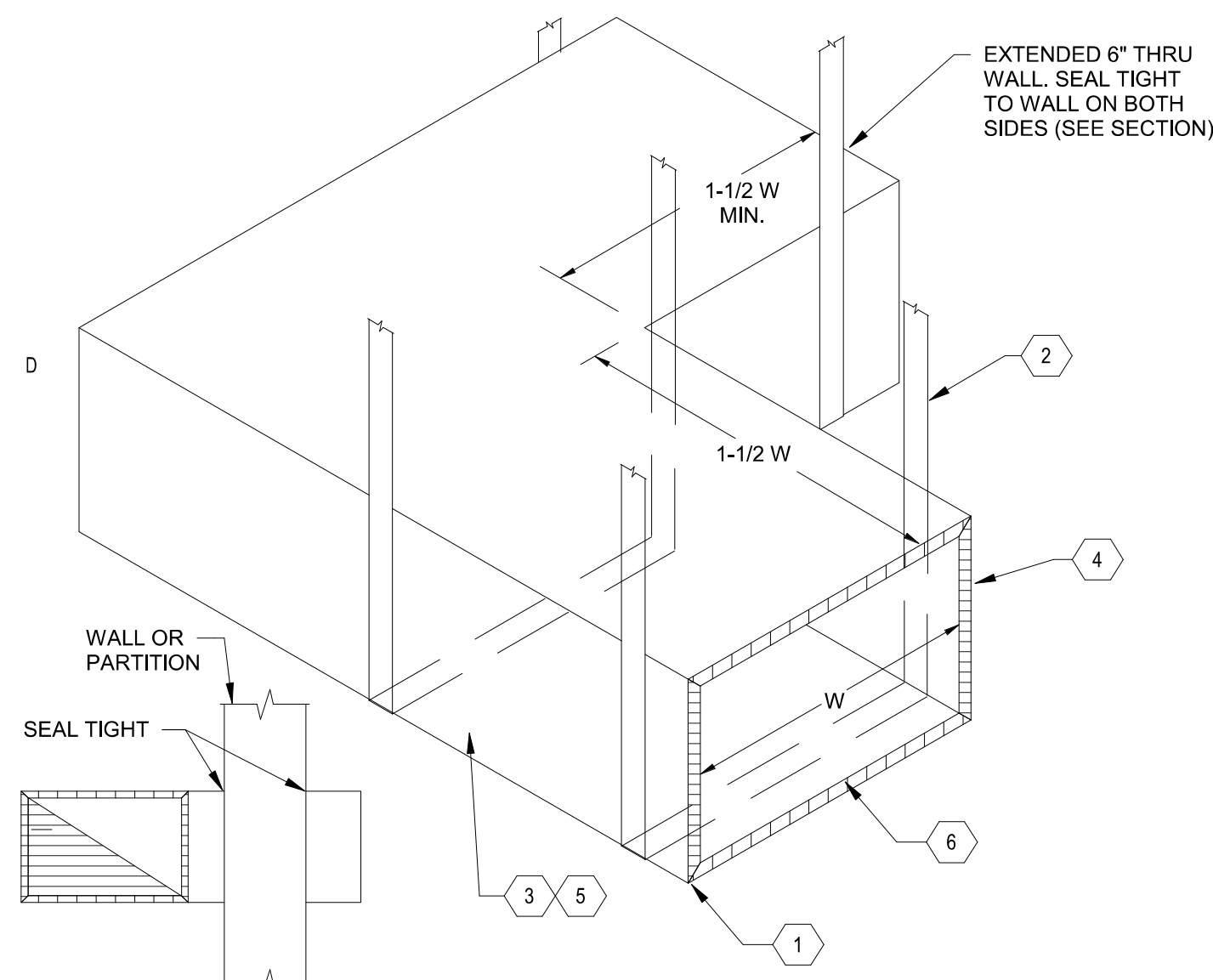
6/12/2023 9:30:18 AM D:\Revit\2023\Projects\8734_Curry County Livestock Pavilion_Lakegagay.rvt

Bridgers & Paxton Project No. 8734



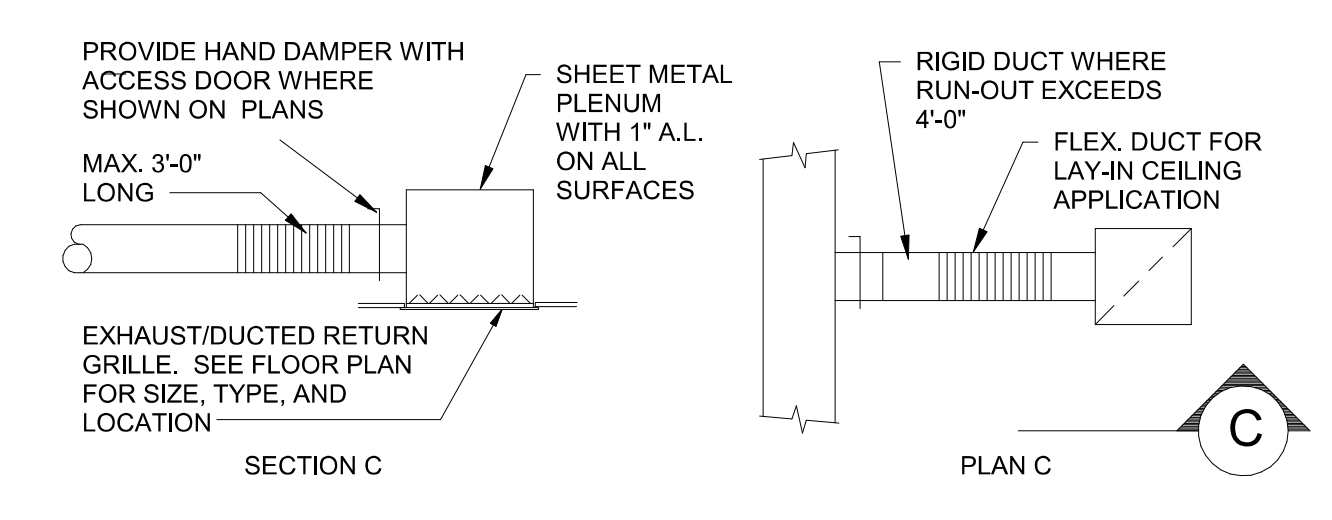
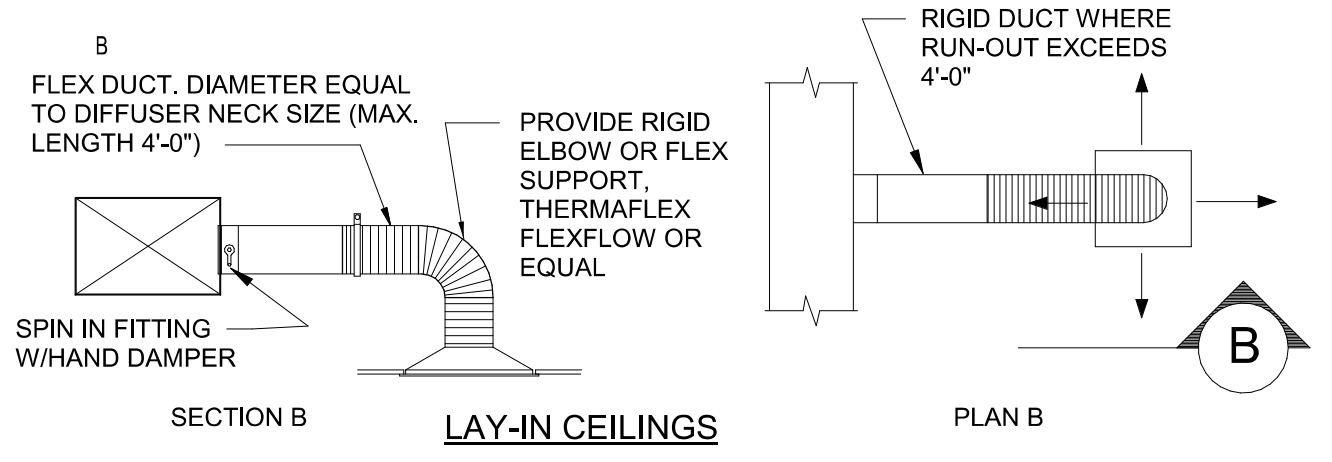
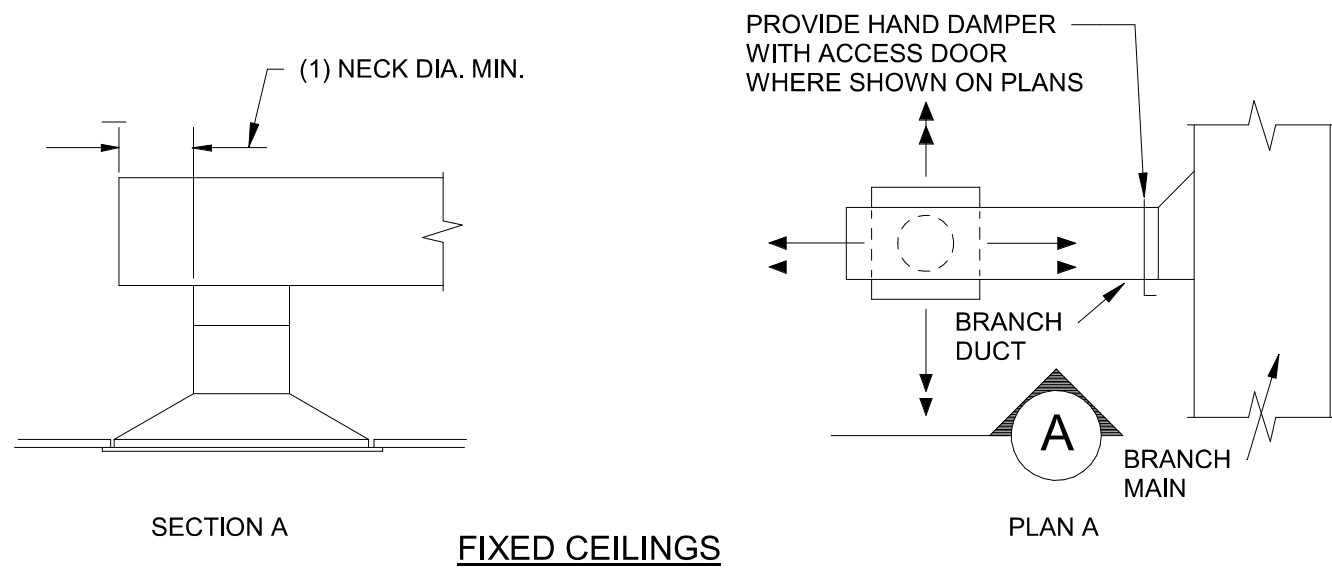
- NOTES
- ANGLE A=30 MAXIMUM WHEN AIR FLOWS IN DIRECTION OF ARROWS. (SUPPLY AIR)
 - ANGLE A=15 WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROWS. (R.A. OR EXHAUST)

A1 LOW PRESSURE DUCT FITTING DETAIL
SCALE = NONE



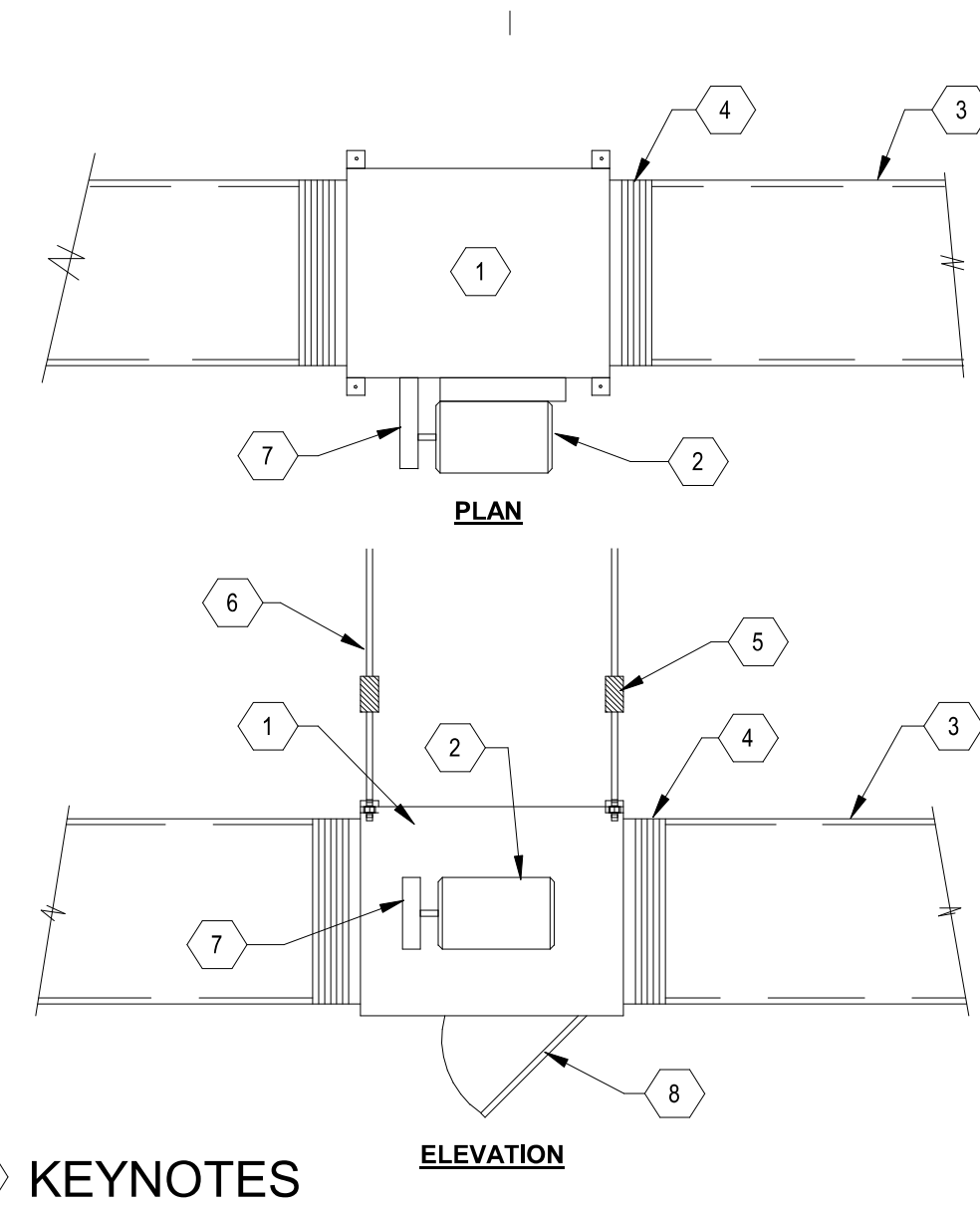
- KEYNOTES**
1. COORDINATE SOUND ELBOW INSTALLATION WITH STRUCTURE, LIGHTS, AND OTHER OBSTRUCTIONS
 2. SUPPORT FROM STRUCTURE SIMILAR TO DUCTWORK
 3. CONSTRUCT SOUND ELBOW OF 1" THICK RIGID ACOUSTIC INSULATION OR AS SHOWN ON DRAWINGS
 4. FURNISH AND INSTALL SOUND ELBOWS AS SHOWN ON DRAWINGS
 5. WHEN FIRE DAMPER OR SMOKE DAMPER IS NEEDED AT THE WALL, INSTALL SOUND ELBOW ATTACHED AND SEALED TO WALL.
 6. SEAL ALL EXPOSED FIBERGLASS/DUCT BOARD ENDS WITH DUCT LINER EDGE SEALER

A2 SOUND ELBOW DETAIL FOR TRANSFER OPENINGS
SCALE = NONE



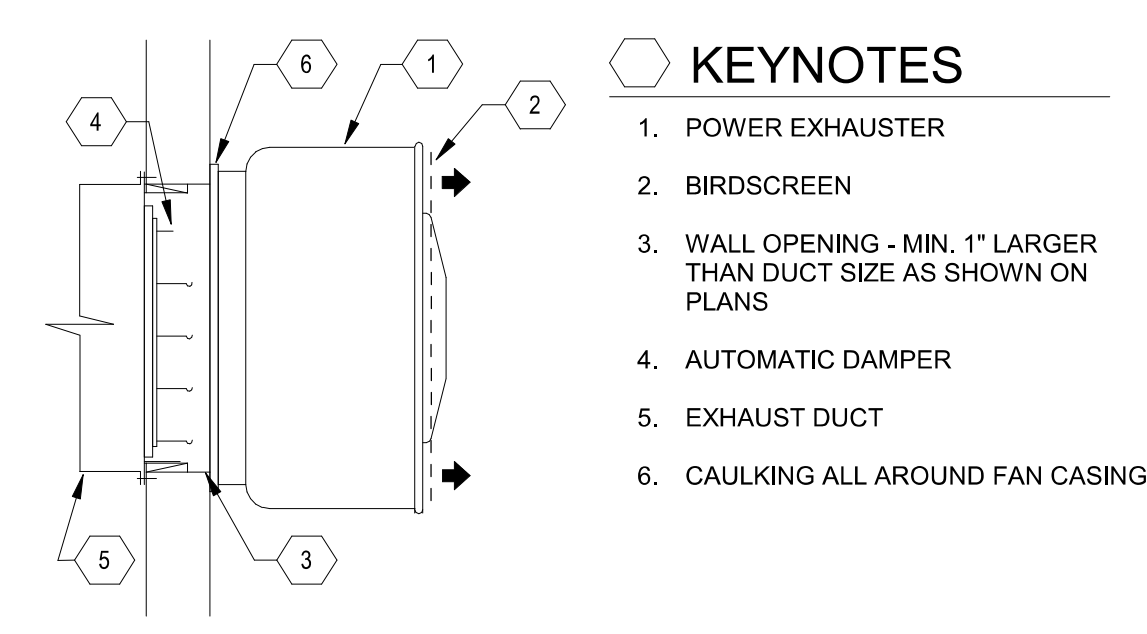
- NOTE:**
PROVIDE BALANCING DAMPER IN SUPPLY AND EXHAUST DUCTS REGARDLESS WHETHER SHOWN ON DRAWINGS

A3 DIFFUSER AND REGISTER CONNECTION DETAIL
SCALE = NONE



- KEYNOTES**
1. IN-LINE FAN
 2. SIDE MOUNTED MOTOR WHERE CEILING SPACE IS LIMITED
 3. ACOUSTICALLY LINED DUCT UNLESS NOTED OTHERWISE ON PLAN
 4. FLEXIBLE DUCT CONNECTION (TYPICAL)
 5. TYPICAL VIBRATION ISOLATOR
 6. 1/2" STEEL ALL-THREAD SUPPORT RODS SECURELY ANCHORED TO STRUCTURE ABOVE IN A MANNER APPROVED BY THE STRUCTURAL ENGINEER
 7. BELT GUARD ON BELT-DRIVE FANS (TYPICAL)
 8. ACCESS DOOR IN HOUSING TO FAN

A4 IN-LINE FAN DETAIL
SCALE = NONE



A5 WALL MOUNTED EXHAUST FAN DETAIL
SCALE = NONE

- PROJECT MECHANICAL DESIGN CRITERIA:**
1. ASHRAE CLIMATE ZONE (TABLE C301.1): [4B]
 2. INTERIOR DESIGN CONDITIONS (SECTION C302.1):
 - a. HEATING: 72°F
 - b. COOLING: 75°F
 3. CALCULATIONS OF HEATING AND COOLING LOADS (SECTION C403.1.1): PER ASHRAE STANDARD 183
 4. SYSTEM DESIGN (SECTION C403.2):
 - a. ZONE ISOLATION PROVIDED FOR ALL ZONES > 25,000 S.F. AND PER FLOOR.
 - b. MECHANICAL VENTILATION PROVIDED IN ACCORDANCE WITH CHAPTER 4 OF THE IMC.

- MECHANICAL AND SERVICE WATER HEATING SYSTEMS AND EQUIPMENT TYPES, SIZES AND EFFICIENCIES:**
- REFER TO MECHANICAL & PLUMBING EQUIPMENT SCHEDULES, DRAWINGS AND SCHEMATICS.

- ECONOMIZER DESCRIPTION:**
- AIRSIDE ECONOMIZER, FIXED DRY BULB TYPE WITH HIGH LIMIT SHUTOFF OF $T_{da} > 75^\circ\text{F}$.

- EQUIPMENT AND SYSTEM CONTROLS:**
- REFER TO MECHANICAL & PLUMBING EQUIPMENT SCHEDULES, CONTROLS DRAWINGS & SEQUENCES OF OPERATION.

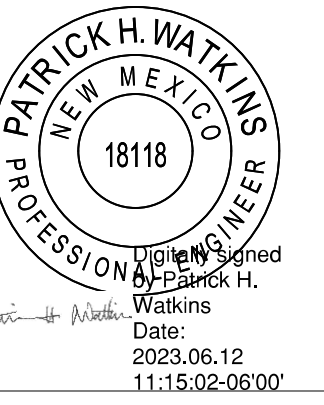
- FAN MOTOR HORSEPOWER (HP) AND CONTROLS:**
- REFER TO MECHANICAL EQUIPMENT SCHEDULES, CONTROLS DRAWINGS & SEQUENCES OF OPERATION.

1. MAXIMUM HP NOT TO EXCEED TABLE C403.8.1(1).
2. FAN CONTROLS PER SECTION C403.8.5.

- DUCT SEALING, DUCT AND PIPE INSULATION AND LOCATION:**
1. SUPPLY AND RETURN AIR DUCT INSULATION SHALL MEET OR EXCEED THE MINIMUM VALUES LISTED IN SECTION C403.11.1. REFER TO SPECIFICATION SECTION 23 0700 FOR REQUIREMENTS.
 - a. MINIMUM [R-6] (UNCONDITIONED SPACES), [R-8] [R-12] (EXTERIOR TO THE BUILDING).
 - b. EXCEPTION: RETURN DUCTWORK IS NOT REQUIRED TO BE INSULATED IF THE TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT IS $\leq 15^\circ\text{F}$.
 2. SUPPLY AND RETURN DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH SECTION C403.11.2. REFER TO SPECIFICATION 23 3000 FOR REQUIREMENTS.
 3. PIPE INSULATION SHALL MEET THE REQUIREMENTS OF SECTION 403.11.3 AND THE TABLE BELOW. REFER TO SPECIFICATION SECTION 23 0700 FOR REQUIREMENTS.

TEMP RANGE	TEMP (F)	INSULATION TYPE	VAPOR SEALED	PIPE SIZE				
				< 1	1 TO 1-1/4	1.5 TO 3	4 & 6	≥ 8
TR-1	< 40	P-1 OR P-4	YES	0.5	1.0	1.0	1.0	1.5
TR-2	40-60	P-1 OR P-4	YES	0.5	0.5	1.0	1.0	1.0
TR-3	61 - 104	P-1	YES	0.5	0.5	0.5	0.5	0.5
TR-4	105 - 140	P-1	NO	1.0	1.0	1.5	1.5	1.5
TR-5	141 - 200	P-1	NO	1.5	1.5	2.0	2.0	2.0
TR-6	201 - 250	P-1	NO	2.5	2.5	2.5	3.0	3.0
TR-7	251 - 350	P-1	NO	3.0	4.0	4.5	4.5	4.5
TR-8	OVER 350	P-1	NO	4.5	5.0	5.0	5.0	5.0

A6 2018 IECC COMPLIANCE NOTES
SCALE = NONE



REVISIONS

NO.	DATE	DESCRIPTION

NOTES

DRAWN BY: _____ Author

REVIEWED BY: _____ Approver

DATE: 06/09/2023

PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
MECHANICAL DETAILS

M-5.1

INSTRUMENTATION SOCIETY OF AMERICA TABLE

FIRST LETTER	MEASURING OR INITIATING VARIABLE		SUCCEEDING LETTERS	
	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS	ALARM		
B	BURNER FLAME	USER CHOICE	USER CHOICE	USER CHOICE
C	CONDUCTIVITY		CONTROL (13)	
D	DENSITY	DIFFERENTIAL		
E	VOLTAGE	SENSOR PRIMARY ELEMENT		
F	FLOW RATE	RATIO FRACTION		
G	GAUGE	GLASS, VIEWING DEVICE		
H	HAND			HIGH
I	CURRENT	INDICATE		
J	POWER	SCAN		
K	TIME	TIME RATE OF CHANGE	CONTROL STATION	
L	LEVEL	LIGHT		LOW
M	MOTION	MOMENTARY		MIDDLE INTERMEDIATE
N	HUMIDITY	USER DEFINED	USER DEFINED	USER DEFINED
O	USER CHOICE	ORIFICE RESTRICTION		
P	PRESSURE, VACUUM	POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE		
R	RADIATION	RECORD		
S	SPEED, FREQUENCY	SAFETY	SWITCH	
T	TEMPERATURE		TRANSMIT	
U	MULTI-VARIABLE		MULTI-FUNCTION	MULTI-FUNCTION
V	VIBRATION, MECHANICAL ANALYSIS		VALVE, DAMPER LOUVER	
W	WEIGHT, FORCE	WELL		
X	UNCLASSIFIED	X-AXIS	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y-AXIS	RELAY, COMPUTE CONVERT	
Z	POSITION DIMENSION	Z-AXIS	DRIVER, ACTUATOR UNCLASSIFIED	
			FINAL CONTROL ELEMENT	

INSTRUMENTATION TYPE ABBREVIATION LIST

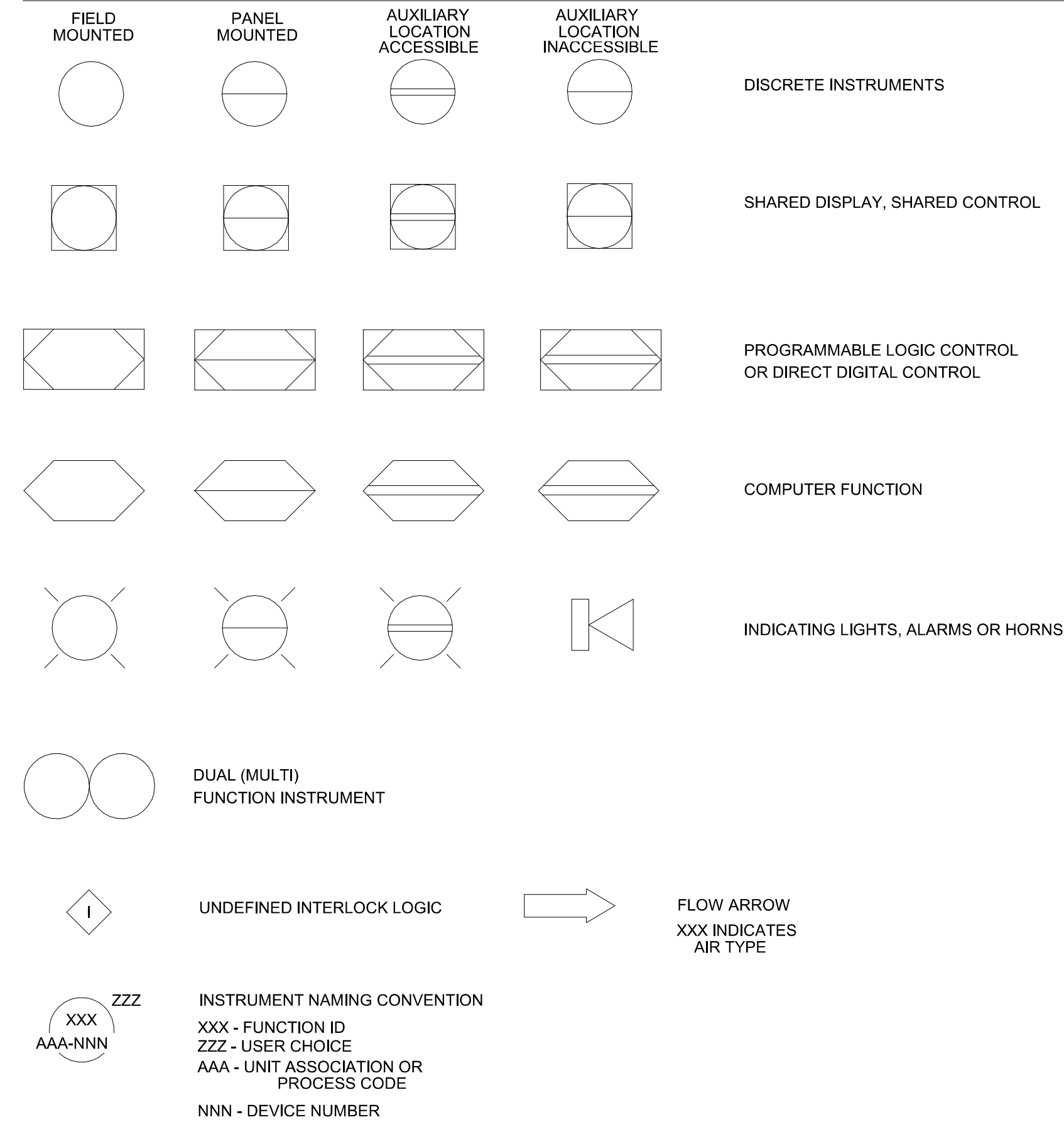
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
AA	ANALYTICAL ALARM	LA	LEVEL ALARM	VA	VIBRATION ALARM
AE	ANALYTICAL ELEMENT	LC	LEVEL CONTROLLER (STAND ALONE)	VS	VIBRATION SWITCH
AET	ANALYTICAL ELEMENT TRANSMITTER	LCV	LEVEL CONTROL VALVE	XV	SOLENOID VALVE
AI	ANALYTICAL INDICATOR	LE	LEVEL ELEMENT		
AC	ANALYTICAL CONTROLLER	LIC	LEVEL INDICATING CONTROLLER		
AIC	ANALYTICAL INDICATING CONTROLLER	LIT	LEVEL INDICATING TRANSMITTER	YA	EQUIPMENT ALARM
AT	ANALYTICAL TRANSMITTER	LS	LEVEL SWITCH	YI	EQUIPMENT STATUS
AIT	ANALYTICAL INDICATING CONTROLLER	LT	LEVEL TRANSMITTER	YCD	SMOKE DAMPER
ACV	ANALYTICAL CONTROL VALVE	LY	LEVEL SIGNAL CONVERTER	YS	SMOKE DETECTOR
AY	ANALYTICAL SIGNAL CONVERTER				
EI	VOLTAGE INDICATOR	MV	MANUAL HAND VALVE	ZC	POSITION CONTROL
EA	VOLTAGE ALARM			ZI	POSITION INDICATOR
ES	VOLTAGE SWITCH (CONTROL RELAY)	NT	HUMIDITY TRANSMITTER	ZS	POSITION SWITCH
ESL	VOLTAGE SWITCH LOW (24 VAC OR LESS)	PA	PRESSURE ALARM		
E	VOLTAGE TRANSMITTER	PCV	PRESSURE CONTROL VALVE	VA	VIBRATION ALARM
EY	VOLTAGE SIGNAL CONVERTER	PDI	PRESSURE DIFFERENTIAL INDICATOR	VS	VIBRATION SWITCH
FA	FLOW ALARM	PDS	PRESSURE DIFFERENTIAL SWITCH		
FCV	FLOW CONTROL VALVE	PDT	PRESSURE DIFFERENTIAL TRANSMITTER		
FE	FLOW ELEMENT	PI	PRESSURE INDICATOR		
FET	FLOW ELEMENT TRANSMITTER	PIS	PRESSURE INDICATING SWITCH		
FI	FLOW INDICATOR	PII	PRESSURE INDICATING TRANSMITTER		
FIT	FLOW INDICATING TRANSMITTER	PS	PRESSURE SWITCH		
FS	FLOW SWITCH	PT	PRESSURE TRANSMITTER		
FT	FLOW TRANSMITTER	PV	PRESSURE SIGNAL CONVERTER		
FY	FLOW SIGNAL CONVERTER	SC	SPEED CONTROL		
HK	MANUAL VARIABLE CONTROL	SCM	SPEED CONTROL MANUAL		
HS	HAND SWITCH	TA	TEMPERATURE ALARM		
HSI	HAND SWITCH INDICATOR	TC	TEMPERATURE CONTROLLER		
		TCV	TEMPERATURE CONTROL VALVE		
II	CURRENT INDICATOR	TE	TEMPERATURE ELEMENT		
IA	CURRENT ALARM	TET	TEMPERATURE ELEMENT TRANSMITTER		
IS	CURRENT SWITCH	TI	TEMPERATURE INDICATOR		
IT	CURRENT TRANSMITTER	TIT	TEMPERATURE INDICATING TRANSMITTER		
IY	CURRENT SIGNAL CONVERTER	TIC	TEMPERATURE INDICATING CONTROLLER		
JIT	POWER INDICATING TRANSMITTER	TS	TEMPERATURE SWITCH		
JY	POWER SIGNAL CONVERTER	TSL	FREEZE STAT		
		TT	TEMPERATURE TRANSMITTER		
KC	TIME CLOCK				

FMS SYSTEM OPERATING CONSTRAINTS

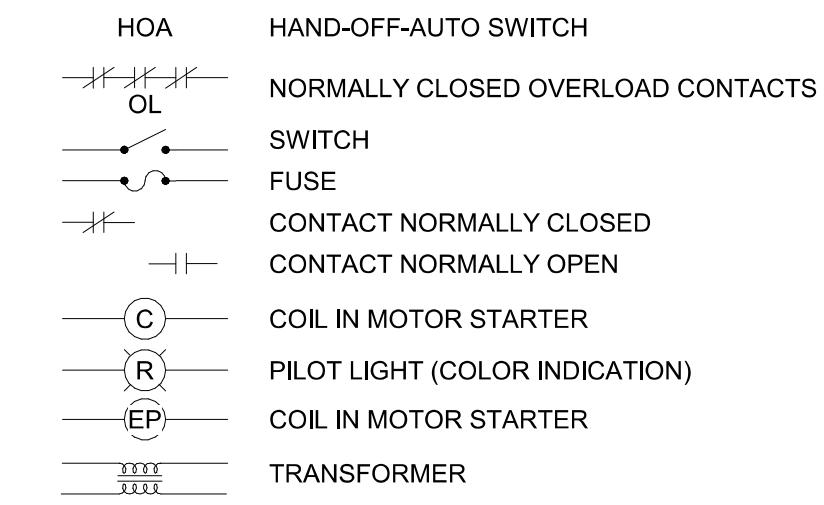
THE FMS CONTROL SYSTEM SHALL OPERATE WITHIN THE FOLLOWING SYSTEM CONSTRAINTS FOR CONTROL:

SUPPLY AIR DRYBULB TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
MIXED AIR DRYBULB TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
DUCT STATIC PRESSURE	+/- 0.1" W.C. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
SUPPLY/ RETURN AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
OUTSIDE AIR/ RELIEF AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
BUILDING PRESSURE	+/- 0.01" W.C. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
ROOM TEMPERATURE	+/- 1.0°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
ROOM AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
HUMIDITY LEVEL	+/- 2.5% R.H. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER TEMPERATURE	+/- 1.0°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER DIFFERENTIAL PRESSURE	+/- 1.0 PSI OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL

GENERAL INSTRUMENT OR FUNCTION SYMBOLS



LADDER DIAGRAM SYMBOLS



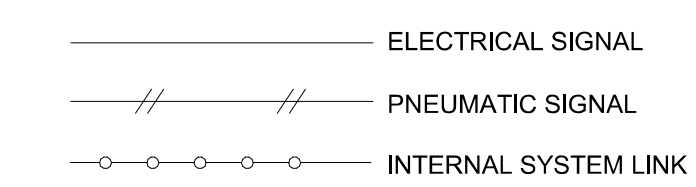
ABBREVIATIONS

- IA INSTRUMENTATION AIR
- DDC DIRECT DIGITAL CONTROL
- C COMMON VALVE PORT
- F.O FAIL OPEN
- F.C FAIL CLOSED
- SR SPRING RANGE
- TR THROTTLING RANGE
- PH PREHEAT
- HR HEAT RECOVERY
- CPA CONTROL POINT ADJUSTMENT
- SPDT SINGLE POLE DOUBLE THROW
- DPDT DOUBLE THROW DOUBLE POLE
- DA DIRECT ACTING
- RA REVERSE ACTING

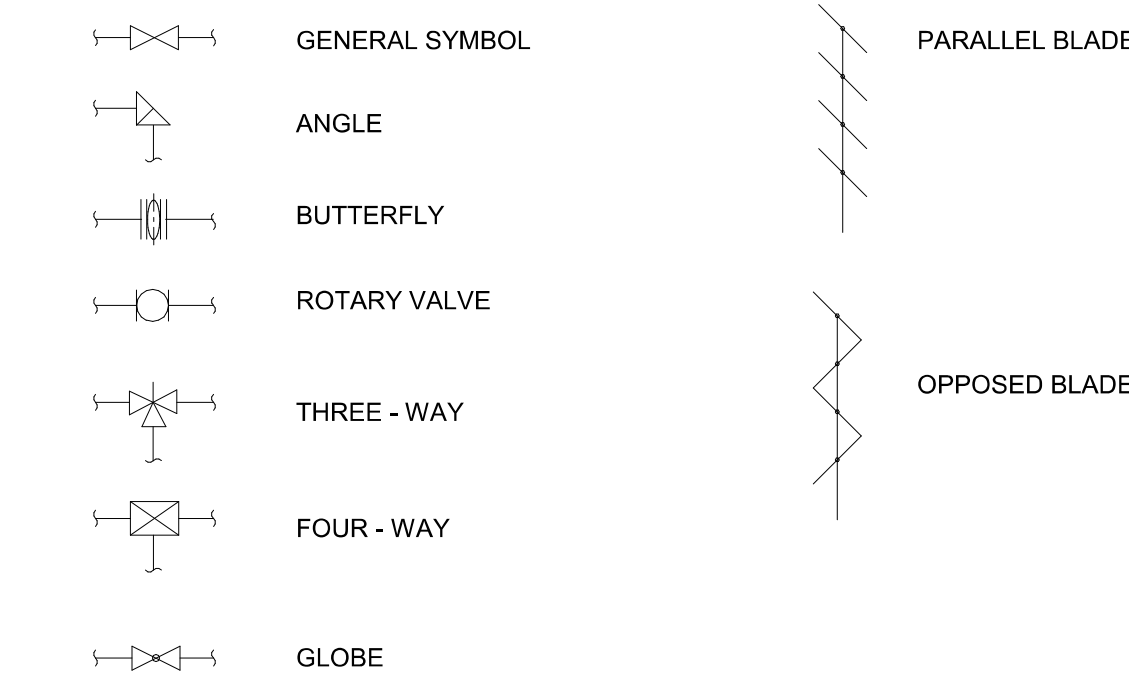
PROCESS CODES

- TW COOLING TOWER OR CONDENSER WATER
- CHW CHILLED WATER
- SCHW SECONDARY CHILLED WATER
- HW HOT WATER
- SHW SECONDARY HOT WATER
- STM STEAM

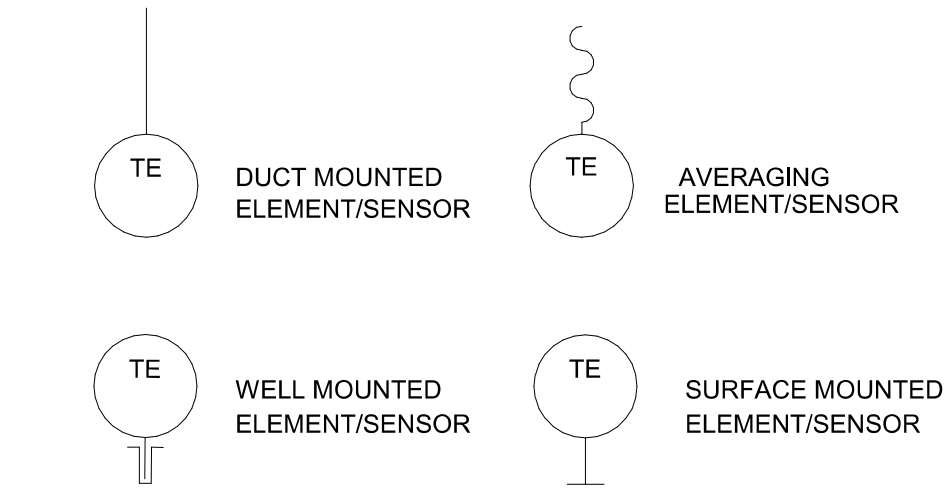
LINE LEGEND



CONTROL VALVE BODY/ DAMPER SYMBOLS



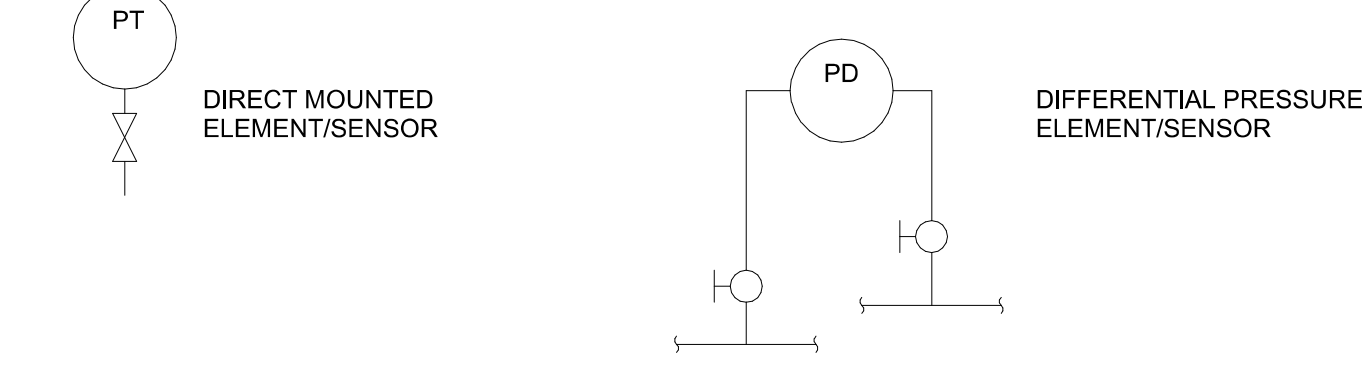
TEMPERATURE



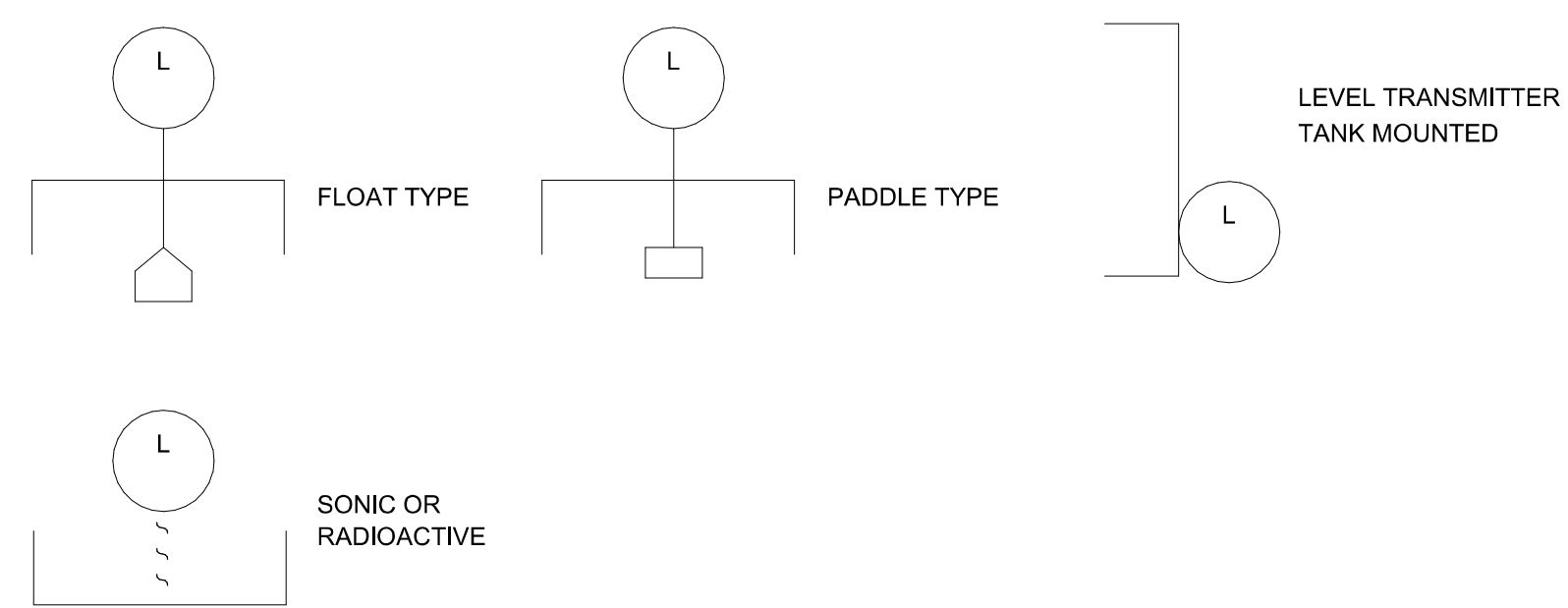
CURRENT



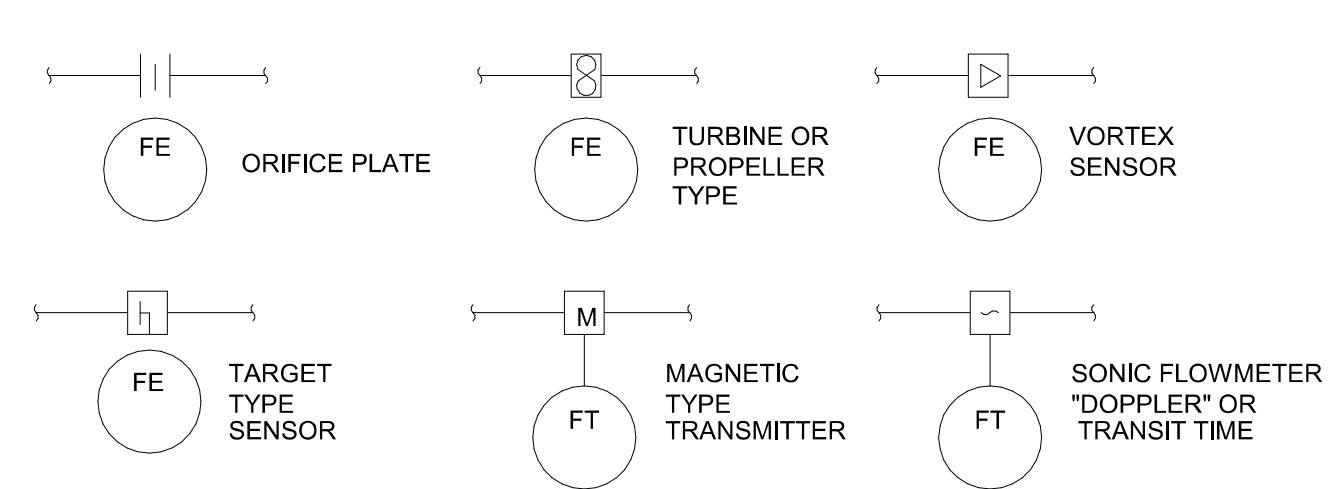
PRESSURE



LEVEL



FLOW



REVISIONS

1			
2			
3			
4			
5			
6			

NOTES

DRAWN BY	Author
REVIEWED BY	Approver
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME

MECHANICAL CONTROLS LEGEND

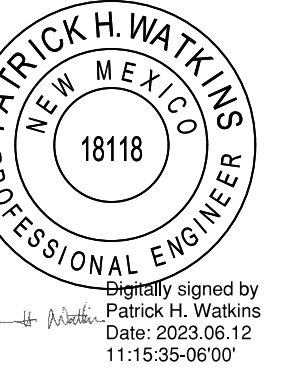
MI0.1

GENERAL SHEET NOTES

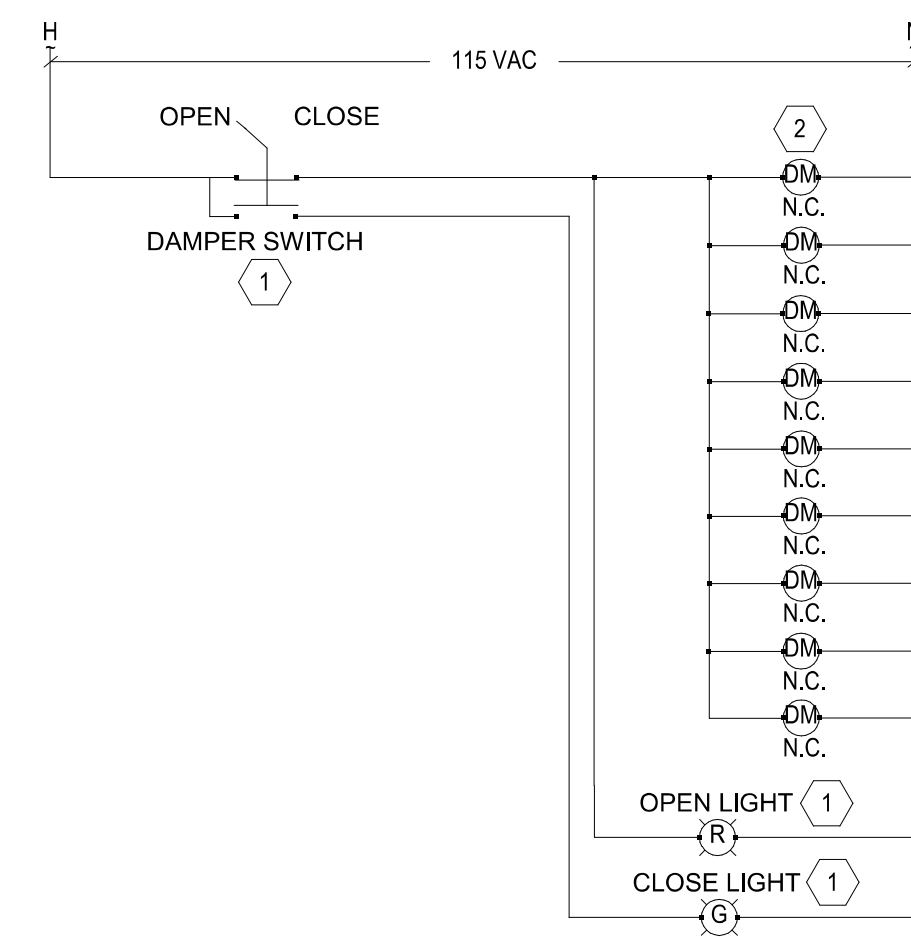
A. XXXX.

SHEET KEYNOTES

1. SWITCH, LIGHT, OR DISPLAY SHALL BE MOUNTED IN CONTROL PANEL LOCATED IN OFFICE.
2. DAMPERS ACTUATORS SHALL BE WIRED IN AN ALTERNATING PATTERN SO THAT EVERY OTHER DAMPER ACTUATOR IN THE SERIES IS PART OF ONE SYSTEM.



Digitally signed by Patrick H. Watkins
Date: 2023.08.12 11:15:35-0600'



TYPICAL LOUVER DAMPERS LADDER DIAGRAM
(TYPICAL FOR TWO SYSTEMS)

SEQUENCE OF OPERATIONS

CEILING FANS CF-1 THRU CF-8

EACH BANK OF CEILING FANS SHALL BE CONNECT TO A FACTORY CONTROLLER/ DISPLAY INSTALLED IN THE DOOR OF THE CONTROL PANEL LOCATED IN THE OFFICE. THE USER SHALL HAVE THE ABILITY TO START AND STOP THE FANS AS WELL AS SELECT THE SPEED OF THE FANS THROUGH THE FACTORY CONTROLLER.

PAVILION EXHAUST FANS EF-1 THRU EF-4 AND SUPPLY FAN SF-1

EACH FAN SHALL BE CONTROLLED THROUGH A "ON/OFF" SWITCH INSTALLED IN THE DOOR OF THE CONTROL PANEL LOCATED IN THE OFFICE. THE FAN SHALL OPERATE ANYTIME THE SWITCH IS IN THE ON POSITION. LOCAL "ON" (RED LED) AND "OFF" (GREEN LED) LIGHTS INSTALLED IN THE DOOR OF THE CONTROL PANEL SHALL INDICATE THE STATE OF EACH FAN.

RESTROOM EXHAUST FANS EF-5, EF-6, AND EF-9

EACH FAN SHALL BE INTERLOCKED WITH THE LIGHTS FOR THE SPACE. EACH FAN SHALL OPERATE ANYTIME THE LIGHTS ARE ON AND STOP WHEN THE LIGHTS ARE OFF.

ELECTRICAL ROOM EXHAUST FANS EF-7 AND EF-8

EACH FAN SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT. THE FAN SHALL OPERATE ANYTIME THE SPACE TEMPERATURE IS ABOVE 85°F (ADJUSTABLE).

OUTSIDE AIR DAMPERS

EACH BANK OF DAMPERS SHALL BE CONTROLLED THROUGH A "OPEN/CLOSE" SWITCH INSTALLED IN THE DOOR OF THE CONTROL PANEL LOCATED IN THE OFFICE. THE DAMPERS SHALL OPEN ANYTIME THE SWITCH IS IN THE OPEN POSITION. LOCAL "OPEN" (RED LED) AND "CLOSE" (GREEN LED) LIGHTS INSTALLED IN THE DOOR OF THE CONTROL PANEL SHALL INDICATE THE STATE OF THE DAMPERS.

ELECTRIC UNIT HEATERS EUH-1 THRU EUH-9

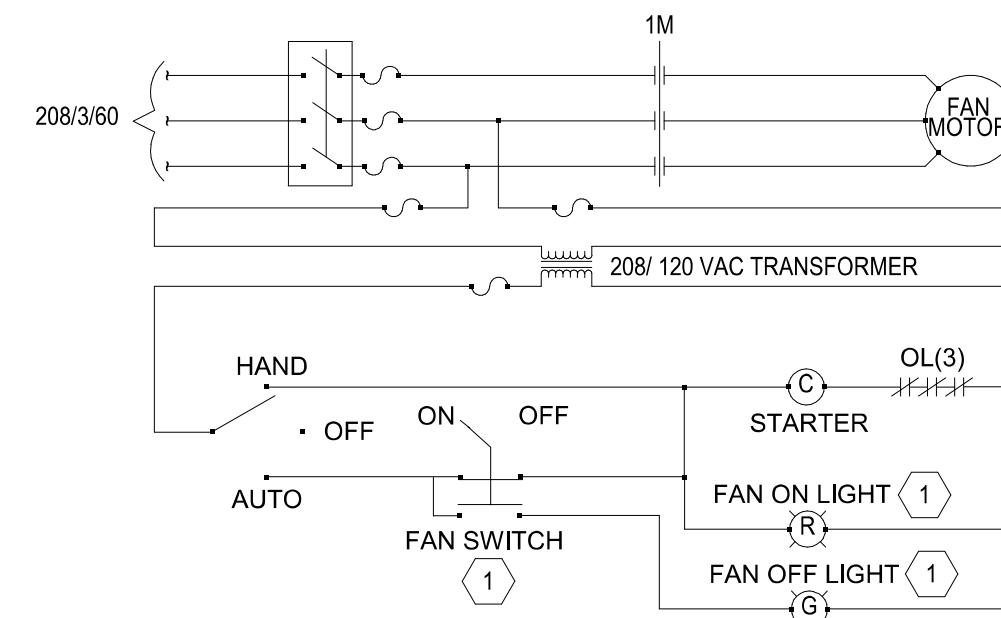
EACH UNIT HEATER SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT. THE UNIT HEATER SHALL OPERATE ANYTIME THE SPACE TEMPERATURE IS BELOW 55°F (ADJUSTABLE).

GAS FIRED UNIT HEATERS UH-1 THRU UH-14

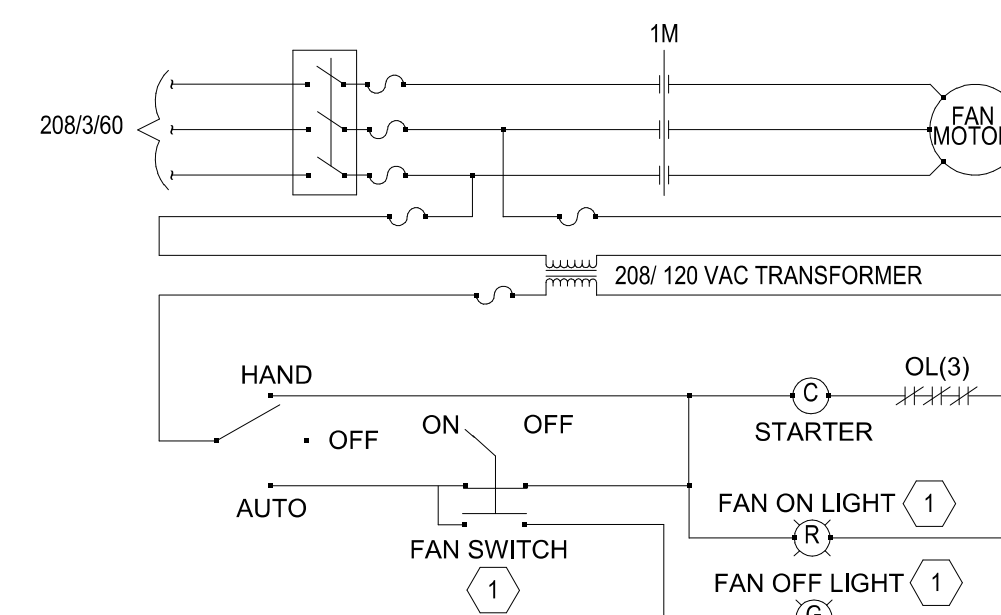
EACH UNIT HEATER SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT. THE UNIT HEATER SHALL OPERATE ANYTIME THE SPACE TEMPERATURE IS BELOW 45°F (ADJUSTABLE).

SPLIT SYSTEM HEAT PUMPS SS-1 AND SS-2

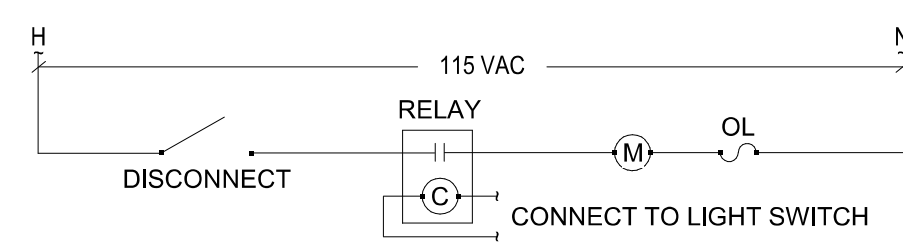
EACH UNIT SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT TO MAINTAIN THE SPACE AND SETPOINT.



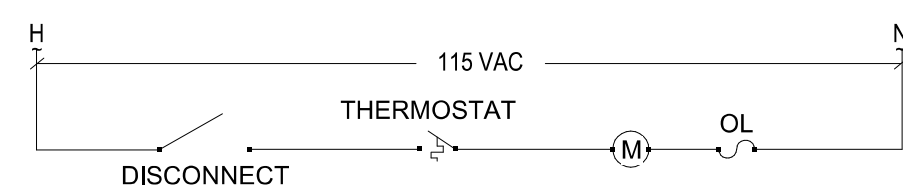
EXHAUST FAN EF-1 LADDER DIAGRAM
(TYPICAL FOR EF-2 THRU EF-4)



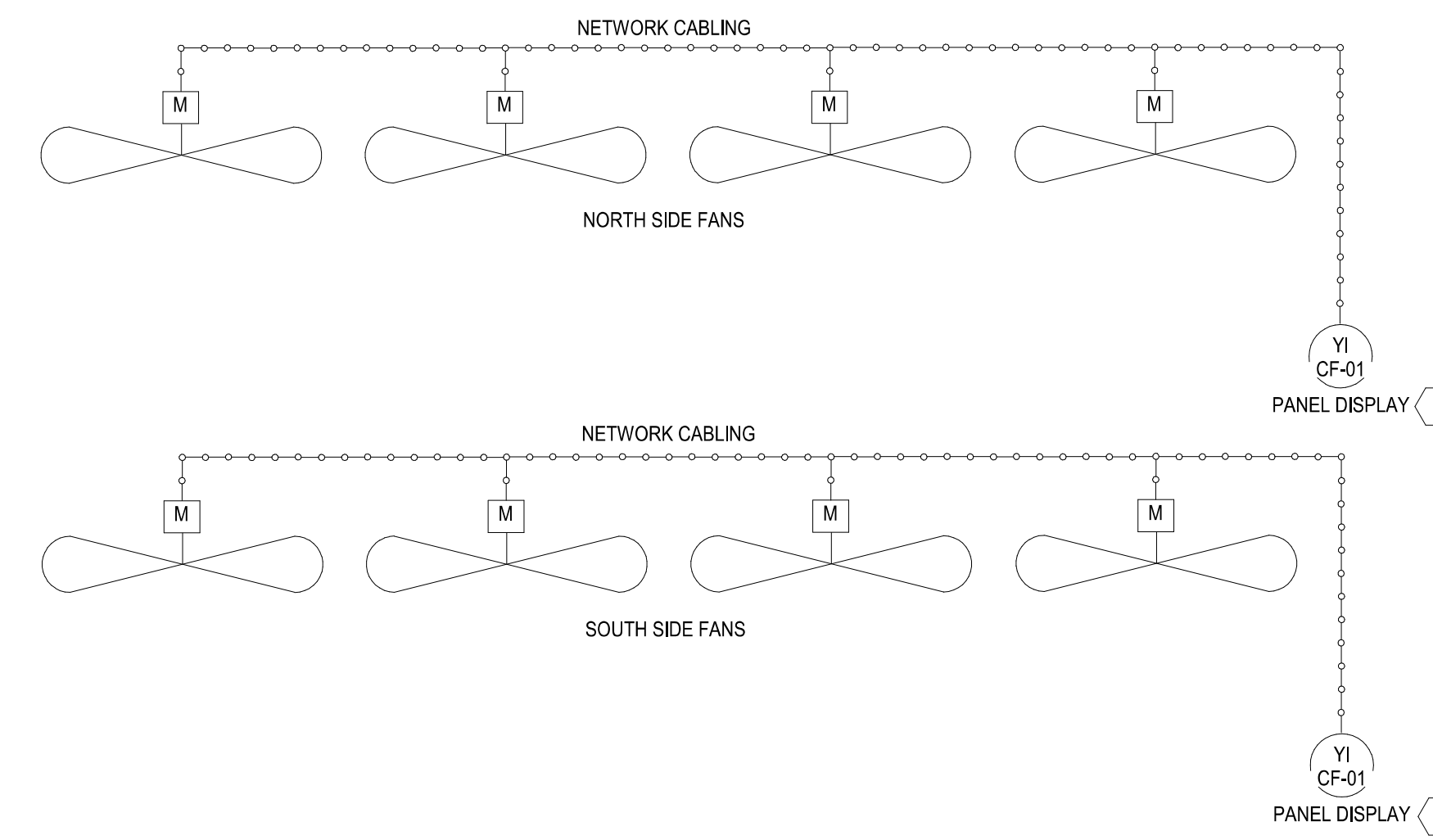
SUPPLY FAN SF-1 LADDER DIAGRAM



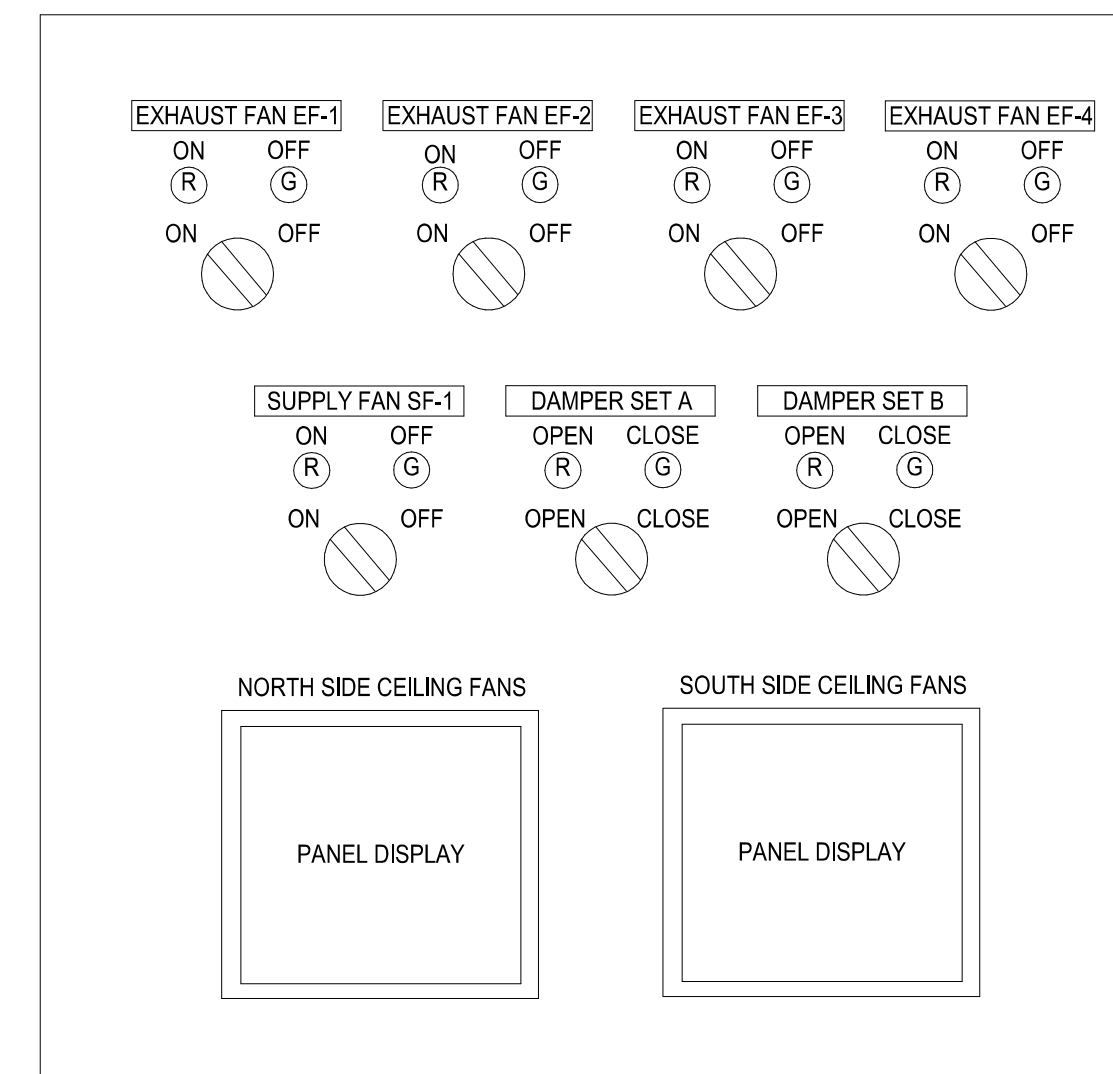
RESTROOM EXHAUST FAN EF-5 LADDER DIAGRAM
(TYPICAL FOR EF-6 AND EF-9)



ELECTRICAL ROOM EXHAUST FAN EF-7 LADDER DIAGRAM
(TYPICAL FOR EF-8)



CEILING FAN CONTROL DIAGRAM



CONTROL PANEL LAYOUT DIAGRAM

REVISIONS
△

NOTES

DRAWN BY: Author
REVIEWED BY: Approver
DATE: 06/09/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
MECHANICAL CONTROLS DIAGRAMS

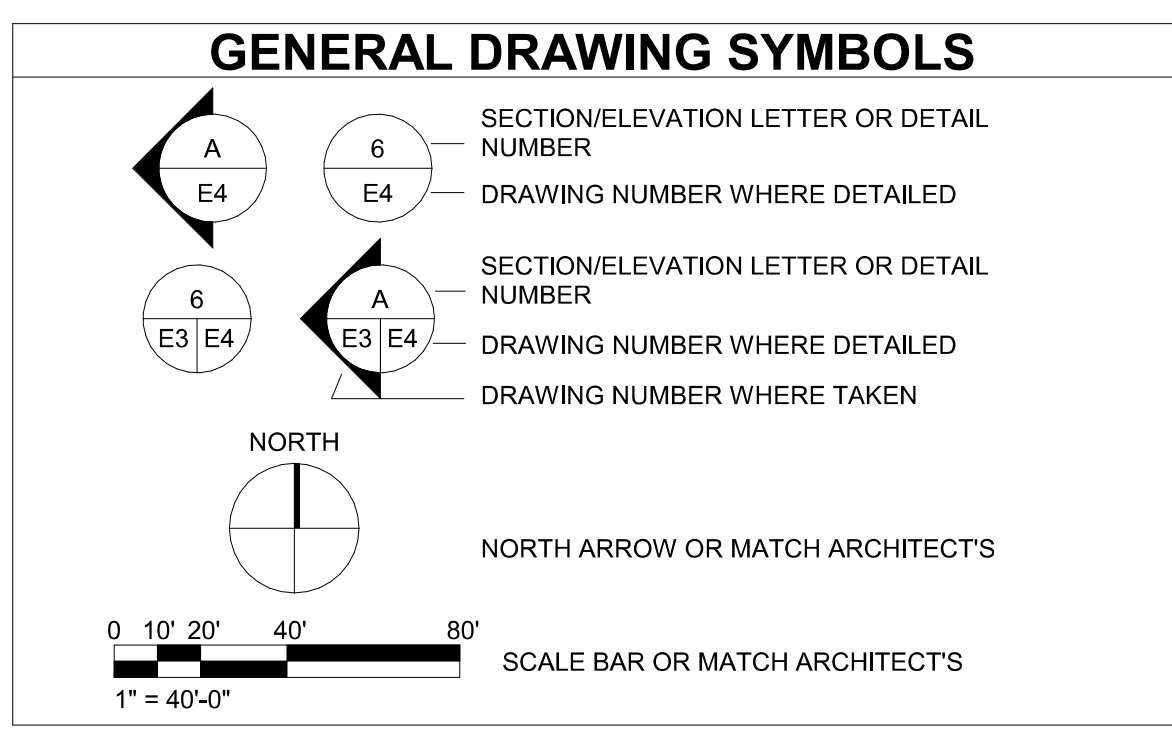
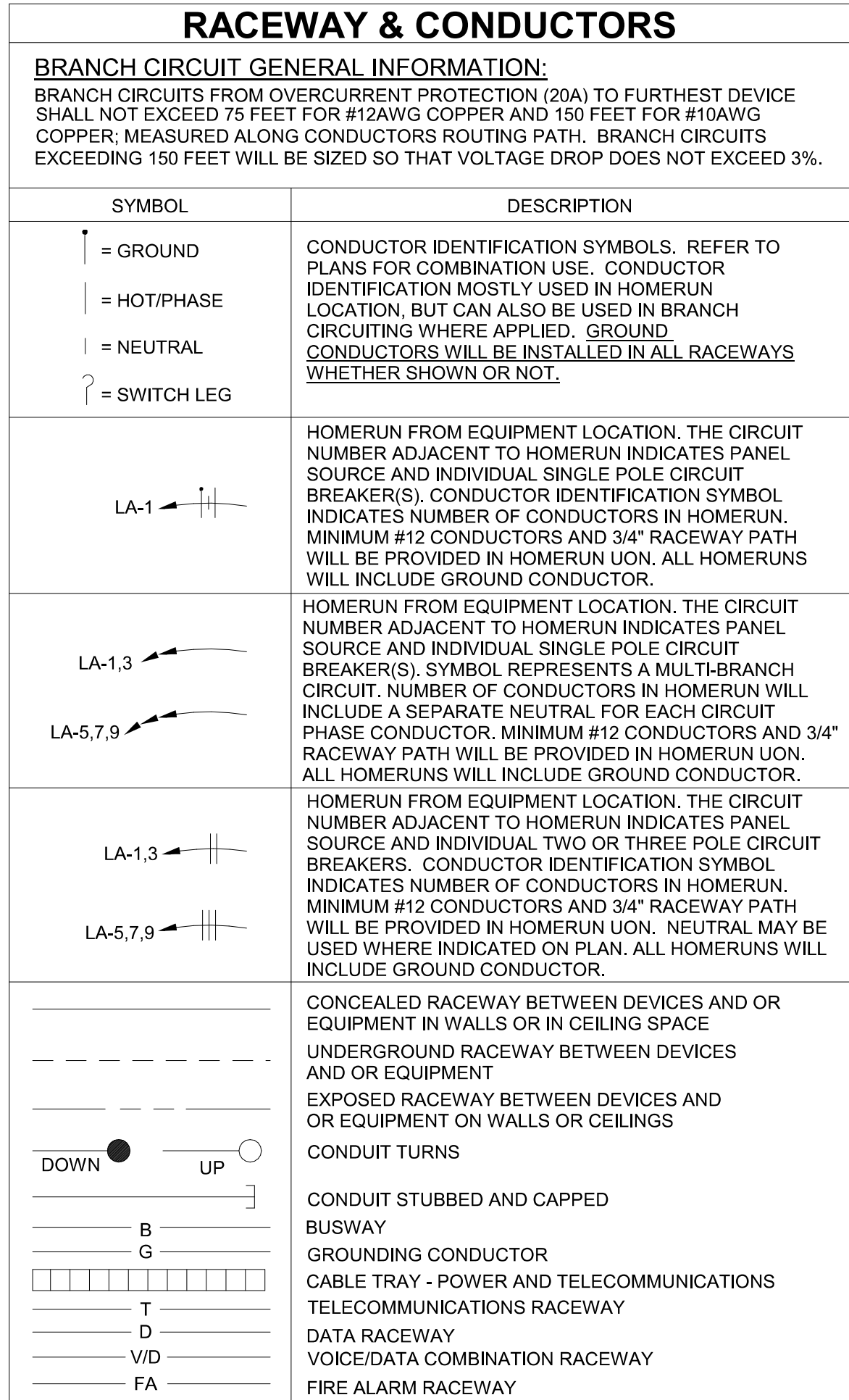
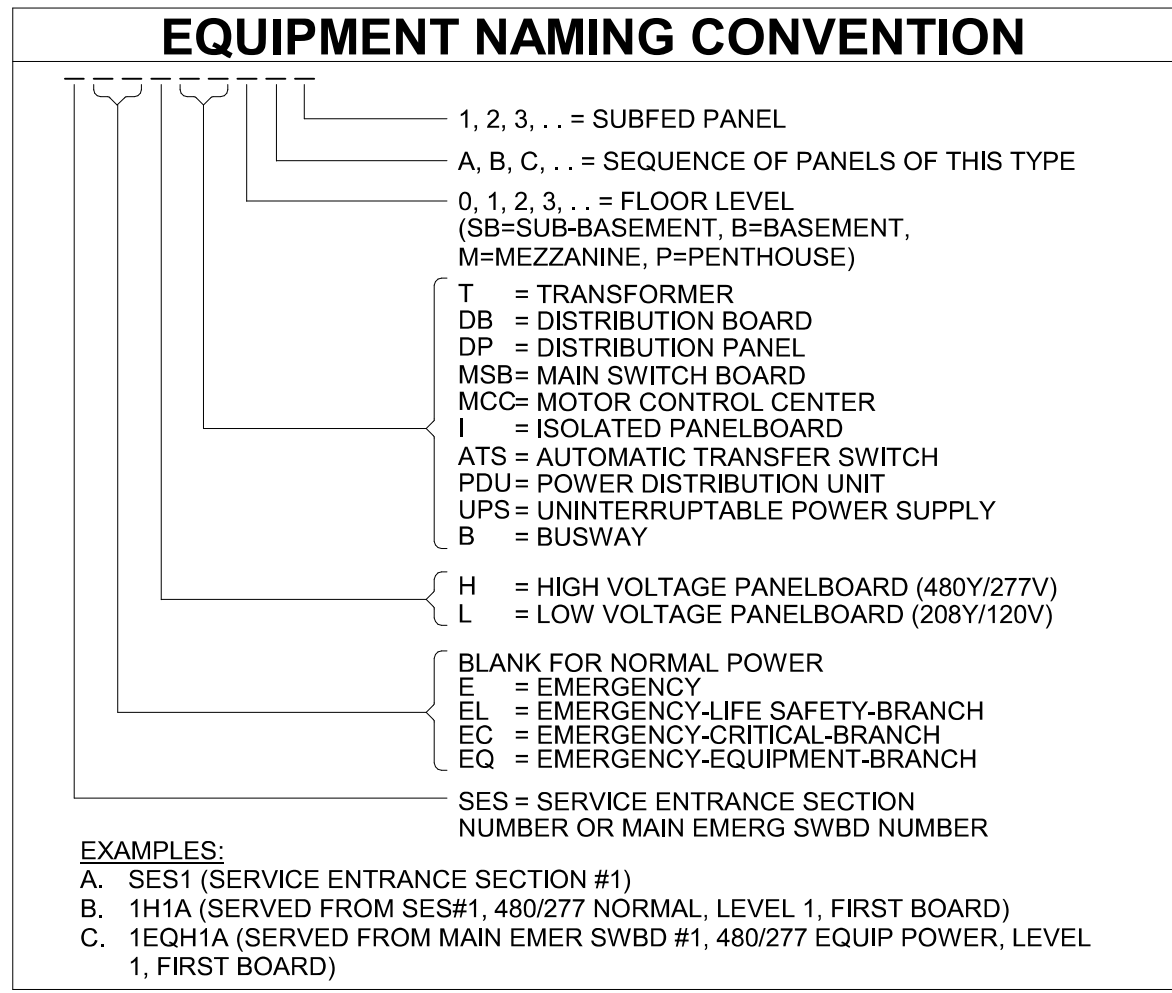
MI6.1

ELECTRICAL SYMBOL LEGEND (NOT ALL SYMBOLS APPLY TO THIS PROJECT)

UPDATED: 09/07/2016

ABBREVIATIONS	
ABBREV.	DEFINITION
A	AMPS, AMPERE, AMPERAGE
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AI	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATSC	AUTOMATIC TRANSFER SWITCH CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIOVISUAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CLOCK
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CJ	COPPER
D	DIMMING
DC	DIRECT CURRENT
DL	DAY-LIGHTING
DIA	DIAMETER
E	EMERGENCY
EC	EMERGENCY, CRITICAL
EG	ENGINE GENERATOR
EL	EMERGENCY, LIFE SAFETY
EQ	EMERGENCY, EQUIPMENT
EX	EXISTING
FUT	FUTURE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FDR	FEEDER
FMS	FACILITY MANAGEMENT SYSTEM
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
G OR GFCCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT EQUIPMENT PROTECTION
GFP	GROUND FAULT PROTECTION
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
IEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
KMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERS
KVAR	KILOVOLT AMPERS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MM	MANHOLE
MIN	MINIMUM
HM	HYBRID MEDIA
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT AMPERS
N	NEW
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NORMAL
NM	NEW MEXICO
NO	NORMALLY OPEN
OH	OVERHEAD
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
PMCS	POWER MONITORING AND CONTROL SYSTEM
R	REMOVED/REMOVAL
RC	ROOM CONTROLLER
RSC	RIGID STEEL CONDUIT
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TEMP	TEMPORARY
TB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP.	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WALL MOUNTED
WG	WEATHERPROOF AND GFCI
WP	WEATHERPROOF
XFER	TRANSFER
XFMR (TRANSF)	TRANSFORMER

REFERENCE TAGS	
SYMBOL	DEFINITION
○	KEYED EQUIPMENT REFERENCE
○	MECHANICAL EQUIPMENT REFERENCE
444"	DENOTES MOUNTING HEIGHT AFF
□	KITCHEN EQUIPMENT REFERENCE
○	MEDICAL EQUIPMENT REFERENCE



DEMOLITION		
SYMBOL	DESCRIPTION	NOTES
⊘	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
⊘	REMOVE EXISTING RACEWAY IN ALL ACCESSIBLE AREAS. CAPPED AND ABANDONED IF IN UNACCESSIBLE AREA	
⊘	SOLID SYMBOL, LIGHTER IN COLOR, INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN	
—	EXISTING CONDUIT TO BE REUSED	

DEVICES

DEVICE INDICATOR LETTER, "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST RECEPTACLE TYPES);
BLANK FOR NORMAL POWER
G = GFCI RATED
IG = ISOLATED GROUND
T = TAMPERPROOF
WG = WEATHERPROOF AND GFCI
WP = WEATHERPROOF (IN-USE COVER)
CL = CLOCK
TV = TELEVISION

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
⊘	IN FLOOR DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
⊘	IN FLOOR DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
⊘	IN FLOOR EMERGENCY DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
⊘	IN FLOOR EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
⊘	COMBINATION DUPLEX RECEPTACLE AND COMMUNICATIONS FLOORBOX. DEVICE CONFIGURATION AS INDICATED ON PLANS.	FLOOR	VARIES
⊘	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING	FLUSH
⊘	CEILING MOUNTED DOUBLE DUPLEX (QUADPLEX) RECEPTACLE	CEILING	FLUSH
⊘	CEILING MOUNTED EMERGENCY DUPLEX RECEPTACLE	CEILING	FLUSH
⊘	CEILING MOUNTED EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE	CEILING	FLUSH
⊘	COMBINATION POWER/COMMUNICATION IN CEILING OUTLET. CONFIGURATION AS INDICATED ON PLANS	CEILING	FLUSH
⊘	SIMPLEX RECEPTACLE	WALL	UON
⊘	DUPLEX RECEPTACLE	WALL	UON
⊘	DOUBLE DUPLEX (QUADPLEX) RECEPTACLE	WALL	UON
⊘	EMERGENCY DUPLEX RECEPTACLE	WALL	UON
⊘	EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE	WALL	UON
⊘	SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AND AMPERAGE AS NOTED ON PLANS	WALL	UON
⊘	MULTI-OUTLET ASSEMBLY (SURFACE MOUNTED RACEWAY)	VARIES	VARIES
⊘	COMBINATION POWER/COMMUNICATION POLE. CONFIGURATION AS NOTED ON PLANS	VARIES	VARIES
⊘	WALL MOUNTED CODE SIZE J-BOX	VARIES	VARIES
⊘	CODE SIZE JUNCTION BOX	VARIES	VARIES
⊘	CODE SIZE PULLBOX (OR AS SIZED ON PLAN)	VARIES	VARIES
⊘	PUSHBUTTON (EMERGENCY POWER OFF - EPO)	VARIES	VARIES
⊘	PHOTOCELL	ROOF	UON
⊘	LIGHTNING PROTECTION AIR TERMINAL	ROOF	UON
⊘	THERMOSTAT	WALL	UON
⊘	ENCLOSED CIRCUIT BREAKER, AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
⊘	NON-FUSED DISCONNECT SWITCH, AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
⊘	FUSED DISCONNECT SWITCH, AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
⊘	MOTOR STARTER, STARTER SIZE INDICATED BY NUMBER/NEMA ENCLOSURE RATING, SINGLE SPEED UON	VARIES	VARIES
⊘	COMBINATION FUSIBLE DISCONNECT SWITCH AND MOTOR STARTER. NEMA STARTER SIZE/AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
⊘	MOTOR, NUMBER INDICATES HORSEPOWER RATING FOR 1HP AND LARGER	N/A	N/A
⊘	MOTOR, "F" INDICATES FRACTIONAL HORSEPOWER	N/A	N/A

EQUIPMENT

SYMBOL	DESCRIPTION
MSB	MAIN SWITCHBOARD. DASHED LINES INDICATE CLEARANCES.
DB	DISTRIBUTION BOARD OR PANEL. DASHED LINES INDICATE CLEARANCES.
H1HA	FLUSH MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
L1A	SURFACE MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
MCC	MOTOR CONTROL CENTER. DASHED LINES INDICATE CLEARANCES.
T1A	DRY TYPE TRANSFORMER (15kVA OR ABOVE), WITH EQUIPMENT TAG (TAG INSIDE OR OUTSIDE, DEPENDING ON SIZE), IN MOST CASES, ACTUAL SIZE SHOWN ON PLANS (ELECTRICAL ROOMS). DRY TYPE TRANSFORMER (LESS THAN 15kVA), WITH NO EQUIPMENT TAG, SIZE, TYPE AND LOCATION NOTED ON PLANS.
VFD	VARIABLE FREQUENCY DRIVE
UPS-A	UNINTERRUPTIBLE POWER SUPPLY. DASHED LINES INDICATE CLEARANCES.
ATS-1	AUTOMATIC TRANSFER SWITCH. DASHED LINES INDICATE CLEARANCES.
G	GROUND BAR

LIGHTING

REFER TO LUMINAIRE SCHEDULE FOR ALL LUMINAIRE TYPES WHETHER WALL MOUNTED OR CEILING MOUNTED.

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
⊘	HATCHING INDICATES EMERGENCY LIGHTING. HATCH WILL BE MODIFIED FOR EACH LUMINAIRE TYPE. EMERGENCY LUMINAIRE DESIGNATED WITH "E" IN TYPE DESIGNATION.	VARIES	VARIES
⊘	RECESSED MOUNTED LUMINAIRE. SMALL CASE "R" DENOTES SWITCHING, NUMBER "3" DENOTES BRANCH CIRCUITING. SYMBOL "X" DENOTES LUMINAIRE TYPE	CEILING	VARIES
⊘	SURFACE MOUNTED LUMINAIRE. LUMINAIRE TYPE AS INDICATED ON PLANS	CEILING	VARIES
⊘	LINEAR DIRECT/INDIRECT LUMINAIRE. CABLE OR STEM MOUNTED	WALL	VARIES
⊘	DOWN LIGHT LUMINAIRE; CEILING MOUNTED	CEILING	VARIES
⊘	WALL MOUNTED LUMINAIRE	WALL	VARIES
⊘	TRACK MOUNTED LUMINAIRE	SURFACE	VARIES
⊘	STRIP LUMINAIRE	SURFACE	VARIES
⊘	EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS	WALL	VARIES
⊘	DOUBLE FACE EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS	WALL	VARIES
⊘	EMERGENCY BATTERY PACK LUMINAIRE (BUG-EYE/FROG-EYE)	EXTERIOR	AS DETAILED
⊘	SINGLE HEAD, POLE MOUNTED LUMINAIRE	EXTERIOR	AS DETAILED
⊘	DOUBLE HEAD, POLE MOUNTED LUMINAIRE	EXTERIOR	AS DETAILED
⊘	DEVICE INDICATOR LETTER, "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST SWITCH TYPES): a = SMALL CASE LETTER DENOTES SWITCHING CONTROL 2 = DOUBLE POLE TOGGLE SWITCH 3 = THREE-WAY TOGGLE SWITCH 4 = FOUR-WAY TOGGLE SWITCH P = PILOT LIGHT TOGGLE SWITCH M = MOMENTARY CONTACT SWITCH K = KEY OPERATED SWITCH WP = WEATHERPROOF TOGGLE SWITCH T = MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION D = DIMMER SWITCH TW = TWIST TIMER SWITCH	WALL	VARIES
⊘	CEILING MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS	CEILING	VARIES
⊘	DAY-LIGHTING SENSOR; TYPE AS INDICATED ON PLANS	CEILING	VARIES
⊘	ROOM CONTROLLER; TYPE AS INDICATED ON PLANS	CEILING	VARIES

UTILITIES

SYMBOL	DESCRIPTION
⊘	DISTRIBUTION POLE FOR OVERHEAD ELECTRICAL OR COMMUNICATIONS AS INDICATED ON PLAN.
X X X	OVERHEAD UTILITY AND OR SYSTEM DISTRIBUTION. 3PH = THREE PHASE 1PH = SINGLE PHASE P = ELECTRICAL PRIMARY S = ELECTRICAL SECONDARY T = TELECOMMUNICATION TV = TELEVISION E = EMERGENCY POWER ATSC = AUTOMATIC TRANSFER SWITCH CONTROL N = NEW EX = EXISTING
X X X	UNDERGROUND UTILITY AND OR SYSTEM DISTRIBUTION.
UT	UTILITY OR FACILITY TRANSFORMER
S	PAD MOUNTED SWITCH METER MOUNT
CC	CONNECTION CABINET (UTILITY)
PM	PRIMARY SITE METER ENCLOSURE
ME	METER ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
CT	CT ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
MH	MANHOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
HH	HAND HOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
EG	ENGINE GENERATOR
TP	TELECOMMUNICATION PEDESTAL
TVP	TELEVISION PEDESTAL

FIRE ALARM

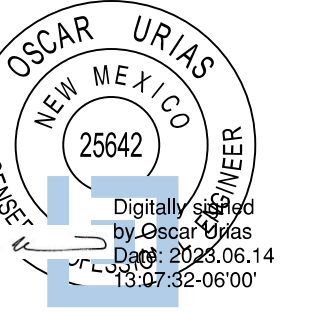
SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
FACP	FIRE ALARM CONTROL PANEL	WALL	VARIES
FATC	FIRE ALARM TERMINAL CABINET (EQUIPMENT NAMING CONVENTION PER PLANS)	WALL	VARIES
FAA	FIRE ALARM ANNUNCIATOR PANEL	WALL	VARIES
FPS	FIRE ALARM ANNUNCIATOR PANEL FULL STATION	WALL	VARIES
FPO	FIREMAN'S TELEPHONE OUTLET	WALL	VARIES
FHN	HORN NOTIFICATION	WALL	VARIES
FSN	SPEAKER NOTIFICATION	WALL	VARIES
FSN	CHIME NOTIFICATION	WALL	VARIES
FSN	COMBINATION SPEAKER AND CHIME NOTIFICATION	WALL	VARIES
FSN	SPEAKER/HORN WITH STROBE LIGHT	WALL	VARIES
FSN	STROBE LIGHT ONLY	WALL	VARIES
FSN	BELL (GONG)	WALL	VARIES
PSD	PHOTOELECTRIC SMOKE DETECTOR	CEILING	VARIES
ISD	IONIZATION SMOKE DETECTOR	CEILING	VARIES
R/F	COMBINATION RATE OF RISE / FIXED TEMPERATURE	CEILING	VARIES
R/F	FIXED TEMPERATURE, TEMPERATURE AS NOTED ON PLANS OR SPECIFICATIONS	CEILING	VARIES
R/F	RATE OF RISE ONLY	CEILING	VARIES
BT	BEAM TRANSMITTER	CEILING OR WALL	VARIES
BR	BEAM RECEIVER	CEILING OR WALL	VARIES
UDF	UNDER FLOOR SMOKE DETECTOR	UNDER FLOOR	SEE PLANS
DD	DUCT DETECTOR	AT DUCT	SEE PLANS
FSD	FIRE/SMOKE DAMPER	AT DUCT	SEE PLANS
PS	PRESSURE SWITCH	PIPE	VARIES
TS	TAMPER SWITCH	PIPE	VARIES
FS	FLOW SWITCH	PIPE	VARIES
PV	POST INDICATOR VALVE	PIPE	VARIES
M	MAGNETIC DOOR HOLDER	VARIES	SEE PLANS
R	CONTROL RELAY	VARIES	SEE PLANS
MM	MONITOR MODULE	VARIES	SEE PLANS
I	REMOTE ALARM INDICATING LIGHT	VARIES	SEE PLANS
R	ADDRESSABLE/SUPERVISED RELAY	VARIES	SEE PLANS

ONE-LINE DIAGRAM

SYMBOL	DESCRIPTION
300	CIRCUIT BREAKER, TRIP SETTING/FRAME SIZE OR NO. OF POLES, SETTINGS AND PROTECTION AS NOTED ON PLANS
400	CIRCUIT BREAKER, TRIP SETTING/FRAME SIZE
300	DRAWOUT CIRCUIT BREAKER (TRIP SETTING/FRAME SIZE)
400	DRAWOUT CIRCUIT BREAKER (TRIP SETTING/FRAME SIZE)
300	MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER (TRIP SETTING/FRAME SIZE)
400	MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER (TRIP SETTING/FRAME SIZE)
T1A	TRANSFORMER, TRANSFORMER NAME, TRANSFORMER KVA RATING, PRIMARY VOLTAGE AND WIRING CONFIGURATION, SECONDARY VOLTAGE, K RATING (IF APPLICABLE)
K-4	CURRENT TRANSFORMER, NUMBER "3000/5" DENOTES RATIO.
3000/5	POTENTIAL TRANSFORMER.
300A	DISCONNECT SWITCH, "300A" DENOTES AMPERAGE RATING
300A	FUSE, "300A" DENOTES AMPERAGE RATING
⊘	GROUND FAULT PROTECTION
ST	SHUNT TRIP OPERATOR
⊘	GROUND CONNECTION
⊘	TRANSFER SWITCH. SEE PLANS FOR TYPE OF SWITCH
⊘	SURGE ARRESTOR
SPD	SURGE PROTECTIVE DEVICE
KW	KILOWATT METER
M	ELECTRONIC METER
KI	KIRK KEY INTERLOCK No.1
RI	RELAY No.1
AS	AMMETER SWITCH
A	AMMETER
VS	VOLTMETER SWITCH
V	VOLTMETER
Δ	DELTA CONNECTED
⊘	WYE CONNECTED
⊘	GENERATOR
VFD	VFD CONNECTION
⊘	MOTOR CONNECTION
UPS	UPS

GENERAL SHEET NOTES

- A. REFER TO ARCHITECTURAL DETAILS, ELEVATIONS, BOTH INTERIOR AND EXTERIOR, FOR EACH TYPE OF DEVICE. MOUNTING HEIGHTS MAY VARY DEPENDING ON ROUGH-IN NEEDS. CONTRACTOR WILL VERIFY ALL DEVICE TYPE MOUNTING PRIOR TO COMMENCEMENT OF ANY WORK WITH ALL TRADES.



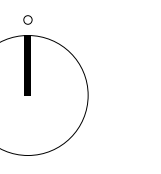
REVISIONS

△	

NOTES

DRAWN BY	DLC
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

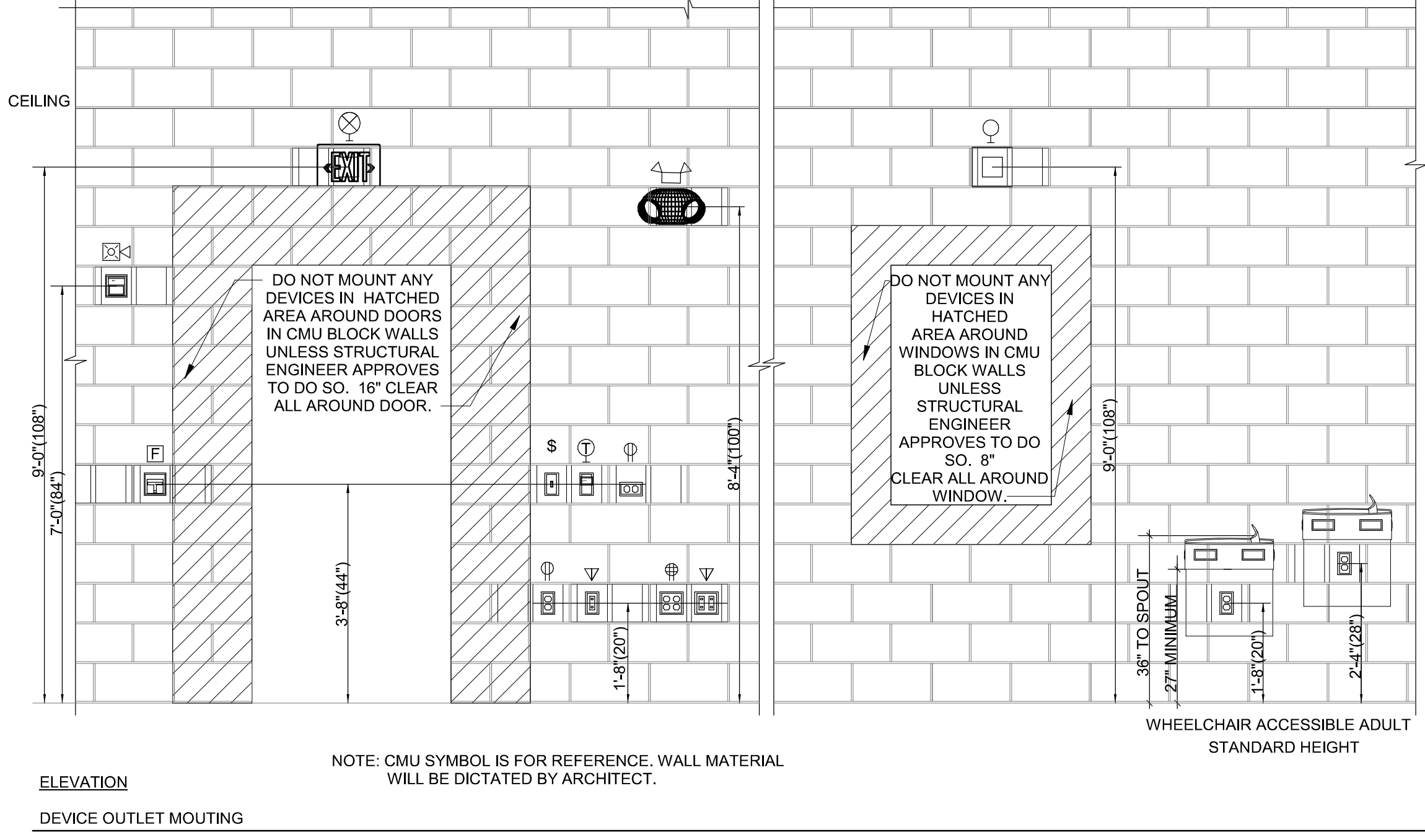
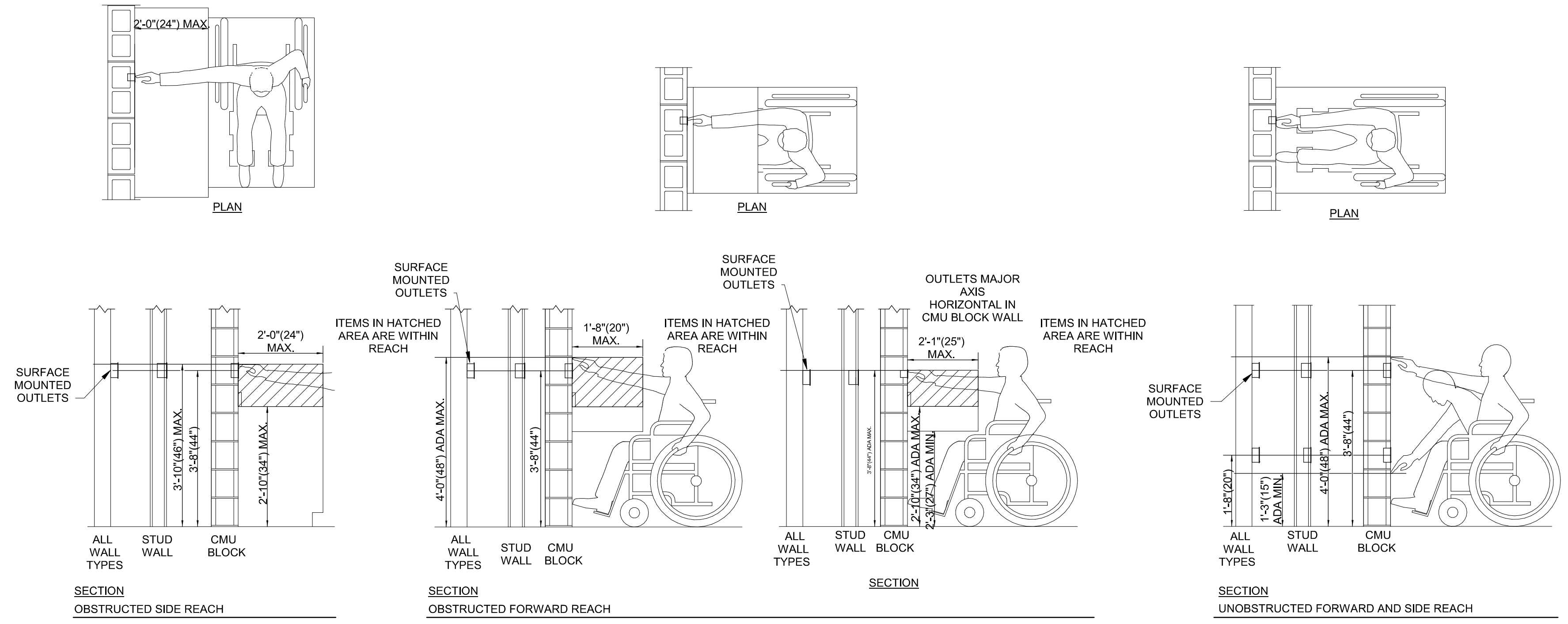


DRAWING NAME

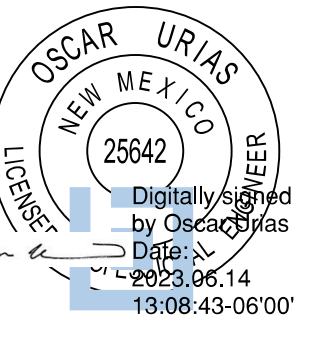
DEVICE MOUNTING DETAIL

E-0.2

6/14/2023 12:00:00 PM D:\Revit\2023\Projects\8734_Curry County Livestock Pavilion_Dchavez\AKFP.rvt



1 DEVICE MOUNTING DETAILS
1/2" = 1'-0"

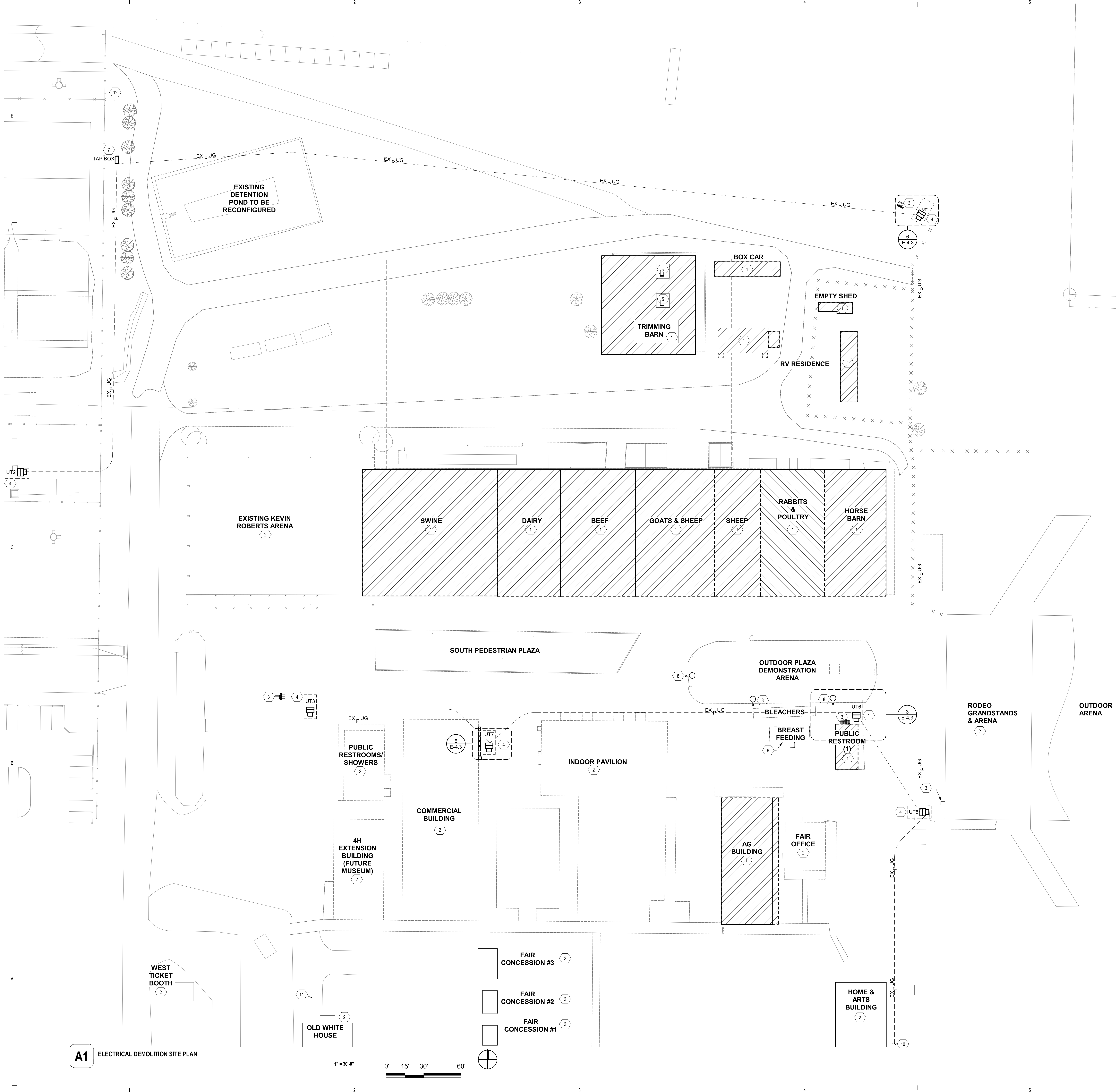


GENERAL SHEET NOTES

- A. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ARCHITECT FOR CLARIFICATION, PRIOR TO COMMENCING ANY WORK.
- B. REFER TO SHEET "G0.1" FOR BID LOT NUMBERS AND WORK INCLUDED IN ALL BID LOTS.

SHEET KEYNOTES

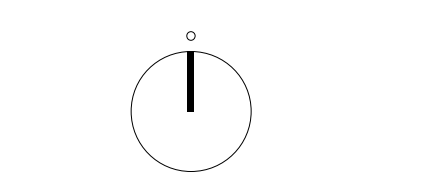
1. EXISTING BUILDING TO BE REMOVED. REMOVE ALL ELECTRICAL SYSTEMS ENTIRELY FROM EXISTING BUILDING BACK TO EXISTING SYSTEM EQUIPMENT SUPPLYING SOURCE. SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO, ELECTRICAL, FIRE ALARM, TECHNOLOGIES AS INSTALLED. NO DISRUPTION OF EXISTING SYSTEMS WILL OCCUR UNLESS NOTED OTHERWISE.
2. EXISTING BUILDING TO REMAIN. MAINTAIN ALL SYSTEMS WITH IN BUILDING AS CURRENTLY INSTALLED. NO DISRUPTION OF EXISTING SYSTEMS WILL OCCUR UNLESS NOTED OTHERWISE.
3. EXISTING SECONDARY ELECTRICAL DISTRIBUTION EQUIPMENT AND METERMETER ENCLOSURE WILL REMAIN AS PRESENTLY INSTALLED. SOME MODIFICATIONS MAY TAKE PLACE WHERE REMOVAL OF A BUILDING OR EQUIPMENT IS INDICATED TO BE REMOVED FROM SITE.
4. EXISTING UTILITY TRANSFORMER TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
5. EXISTING PANEL. REFER TO NOTE 1 ABOVE FOR REMOVAL OF SYSTEMS. BUILDING WILL BE REMOVED AND RELOCATED.
7. EXISTING ABOVE GRADE SECTIONALIZER/TAP BOX TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
8. EXISTING SITE POLES LIGHTS TO BE REMOVED. REMOVE ALL ELECTRICAL CIRCUIT CONDUIT AND CONDUCTORS BACK TO SERVICE PANEL.
9. EXISTING 200A LOAD CENTER WILL BE REMOVED. PLUS FEEDER FROM "UT8" TO "UT4" ON SOUTH END OR HOME & ARTS BUILDING AND THEN TO E. BRADY AVE.
10. TO "UT4" TAP BOX AROUND MIDDLE OF GROUNDS.
11. TO "UT4" TAP BOX AROUND MIDDLE OF GROUNDS.
12. TO NEXT UTILITY EQUIPMENT. PRIMARY UNDERGROUND FEEDER WILL REMAIN.



REVISIONS

NOTES

DRAWN BY: DLG
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003



DRAWING NAME
ELECTRICAL DEMOLITION SITE PLAN

EDS1.1

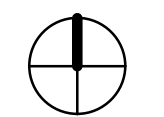
6/14/2023 12:02:03 PM D:\Revt\2023\Projects\8734_Curry County Livestock Pavilion_Dehaven\AKFY.rvt

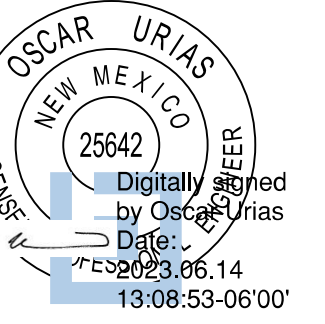
A1

ELECTRICAL DEMOLITION SITE PLAN

1" = 30'-0"

0' 15' 30' 60'



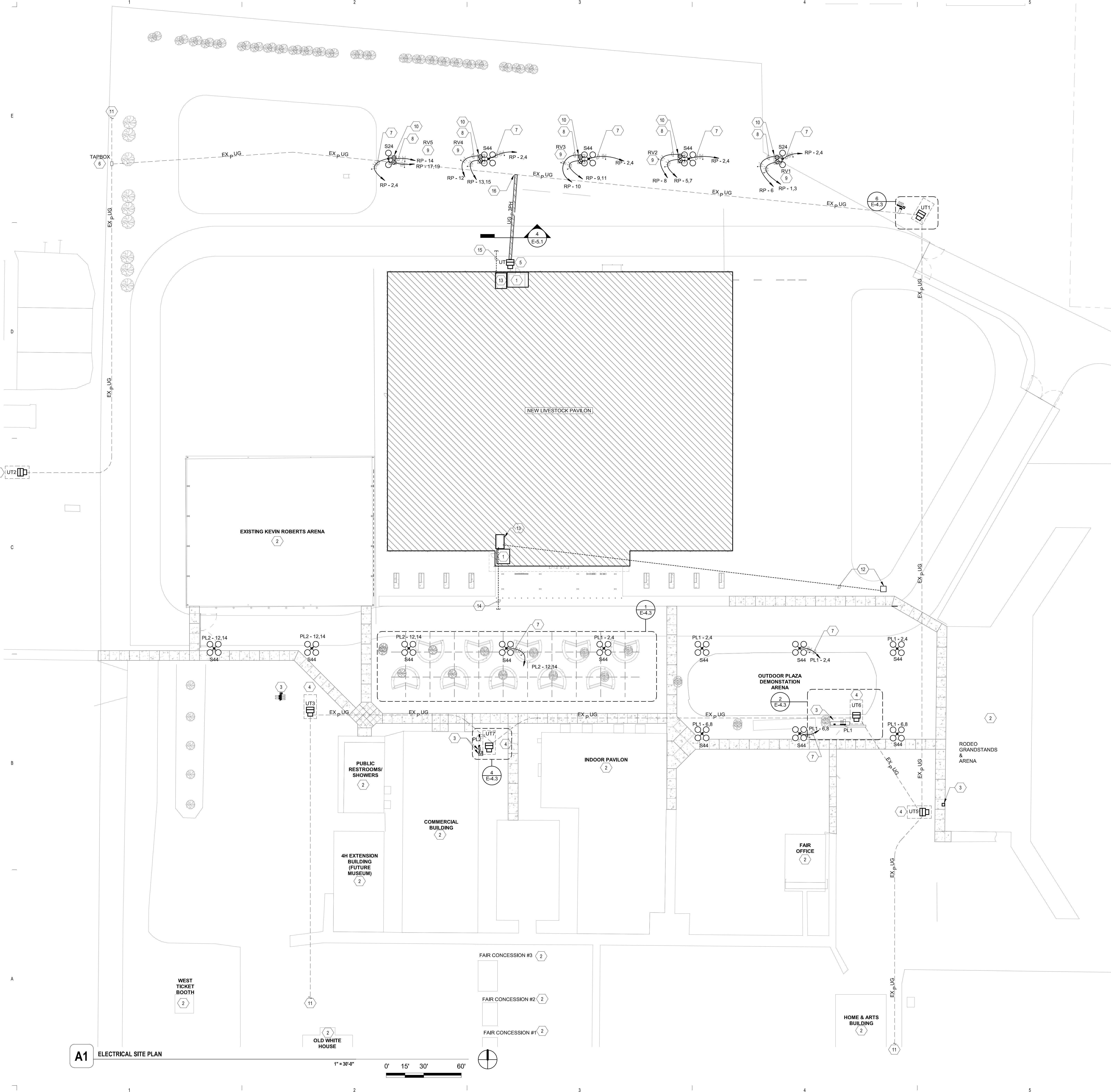


GENERAL SHEET NOTES

- A. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOM EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
- B. REFER TO SHEET SERIES "CC", "AS", "M", AND "TP" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ANY UTILITIES SHOWN ON THIS SHEET PRIOR TO COMMENCEMENT OF ANY WORK FOR BEST LOCATION OF THESE UTILITIES.
- C. REFER TO SHEET E-6.1 FOR ELECTRICAL EQUIPMENT, CONDUIT SIZE AND ADDITIONAL INFORMATION ON ELECTRICAL DISTRIBUTION SYSTEM.
- D. REFER TO SHEET E-7.1 FOR LUMINAIRE SCHEDULE.
- E. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ARCHITECT FOR CLARIFICATION, PRIOR TO COMMENCING ANY WORK.
- F. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS.
- G. REFER TO SHEET "GO-1" FOR BID LOT NUMBERS AND WORK INCLUDED IN ALL BID LOTS.

SHEET KEYNOTES

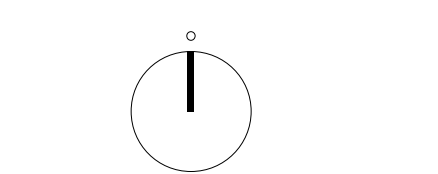
- 1. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND EQUIPMENT LAYOUT.
- 2. EXISTING BUILDING TO REMAIN. MAINTAIN ALL SYSTEMS WITH IN BUILDING AS CURRENTLY INSTALLED. NO DISRUPTION OF EXISTING SYSTEMS WILL OCCUR UNLESS NOTED OTHERWISE.
- 3. EXISTING SECONDARY ELECTRICAL DISTRIBUTION EQUIPMENT AND METERMETER ENCLOSURE WILL REMAIN AS PRESENTLY INSTALLED. SOME MODIFICATIONS MAY TAKE PLACE WHERE REMOVAL OF A BUILDING OR EQUIPMENT IS INDICATED TO BE REMOVED FROM SITE.
- 4. EXISTING UTILITY TRANSFORMER TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
- 5. NEW UTILITY TRANSFORMER AND METER ENCLOSURE LOCATION. CONTRACTOR TO PROVIDE CONCRETE PAD AND GUARD POSTS PER UTILITY COMPANY SERVICE INSTALLATION GUIDE AND/OR COORDINATION WITH UTILITY REPRESENTATIVE.
- 6. EXISTING SECTIONALIZERTAP BOX TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
- 7. PROVIDE 3/8" & 1/2" GND IN 3/4" CONDUIT PER CIRCUIT. PROVIDE ALL CONDUCTORS TO EACH POLE AND LUMINAIRES AND HOME RUN BACK TO PANEL INDICATED.
- 8. PROVIDE GFCI RECEPTACLE WITH 2#10 & 1#10 GND IN 3/4" CONDUIT BACK TO PANEL INDICATED.
- 9. REFER TO SHEET "E-7.3" FOR ELECTRICAL CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
- 10. PROVIDE A 12"x12" CARLON ENCLOSURE, NEMA-3R RATED, WITH A 50A AND 20A DEVICE PORT EACH TO HAVE END USE COVERS.
- 11. TO NEXT UTILITY EQUIPMENT PRIMARY UNDERGROUND FEEDER TO REMAIN.
- 12. EXISTING COMMUNICATION PEDESTAL PROVIDE TWO 4" CONDUIT TO IT ROOM 103.
- 13. REFER TO SHEET "E-1.1" AND "E-1.1" FOR EQUIPMENT AND LAYOUT BY OWNERS CONTRACTOR / VENDORS.
- 14. PROVIDE A 4" CONDUIT STUBBED AND CAPPED 5'-0" DIRECTLY SOUTH BEYOND SIDEWALK CONCRETE FOR OWNERS FUTURE USE.
- 15. PROVIDE A 4" CONDUIT STUBBED AND CAPPED 5'-0" DIRECTLY NORTH BEYOND BUILDING AND OR SIDEWALK FOR OWNERS FUTURE USE.
- 16. XCEL ENERGY TO PROVIDE TAP AND CONNECTION FROM EXISTING UNDERGROUND PRIMARY DISTRIBUTION TO NEW TRANSFORMER LOCATION. CONTRACTOR TO COORDINATE WITH XCEL ENERGY TAP LOCATION ANY WORK REQUIRED BY CONTRACTOR. INSTALL ALL PER XCEL ENERGY REPRESENTATIVE DIRECTIVE OR GUIDE BOOK.



REVISIONS

NOTES

DRAWN BY: DLC
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003



DRAWING NAME
ELECTRICAL SITE PLAN

ES1.1

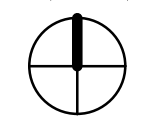
6/14/2023 12:02:10 PM D:\Revit_2023\Projects\8734_Curry County Livestock Pavilion_Dibawez\AKFY.rvt

A1

ELECTRICAL SITE PLAN

1" = 30'-0"

0' 15' 30' 60'





GENERAL SHEET NOTES

- A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE), "E2" (DOUBLE FACE) UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ZONE THEY ARE LOCATED AND AWAY FROM OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EG" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
- B. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
- C. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E1.1.
- D. REFER TO SHEET SERIES "TA" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
- E. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES A1.0.
- F. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES WILL BE CONTROLLED VIA TOGGLE SWITCHES.
- G. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
- H. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260533 FOR ADDITIONAL INFORMATION.

SHEET KEYNOTES

- EL01 REFER TO SHEET SERIES "EPA-1" FOR ELECTRICAL EQUIPMENT LAYOUT IN THIS ROOM. CONTRACTOR TO STEM MOUNT LIGHTING AND UTILIZE UNISTRUT SO THAT LOCATION IS CENTERED AND AWAY FROM OBSTRUCTION.
- EL02 REFER TO SHEET SERIES "M" AND "P" FOR MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK, AND PIPING LAYOUT IN THIS ROOM. CONTRACTOR TO STEM MOUNT AND UTILIZE UNISTRUT NEAR OR UNDER DUCTWORK SO THAT LOCATION IS AWAY FROM OBSTRUCTION, IF NECESSARY.
- EL07 ALL LUMINAIRES ON INDICATED CIRCUIT IN DASHED AREA TO BE CONTROLLED VIA TOGGLE SWITCH "A." TOGGLE SWITCH LOCATED IN OFFICE 117. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "A." PROVIDE 2#10 & #10 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT AND DASHED AREA.
- EL08 ALL LUMINAIRES ON INDICATED CIRCUIT IN DASHED AREA TO BE CONTROLLED VIA TOGGLE SWITCH "B." TOGGLE SWITCH LOCATED IN OFFICE 117. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "B." PROVIDE 2#10 & #10 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT AND DASHED AREA.
- EL09 ALL LUMINAIRES ON INDICATED CIRCUIT IN DASHED AREA TO BE CONTROLLED VIA TOGGLE SWITCH "C." TOGGLE SWITCH LOCATED IN OFFICE 117. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "C." PROVIDE 2#10 & #10 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT AND DASHED AREA.
- EL10 ALL LUMINAIRES ON INDICATED CIRCUIT IN DASHED AREA TO BE CONTROLLED VIA TOGGLE SWITCH "D." TOGGLE SWITCH LOCATED IN JANITORS CLOSET 107. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "D." PROVIDE 2#10 & #10 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT AND DASHED AREA.
- EL11 ALL LUMINAIRES ON INDICATED CIRCUIT IN DASHED AREA TO BE CONTROLLED VIA TOGGLE SWITCH "E." TOGGLE SWITCH LOCATED IN JANITORS CLOSET 107. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "E." PROVIDE 2#10 & #10 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT AND DASHED AREA.
- EL12 ALL EXTERIOR LUMINAIRES ON INDICATED CIRCUIT IN DASHED AREA TO BE CONTROLLED VIA TOGGLE SWITCH "F." TOGGLE SWITCH LOCATED IN JANITORS CLOSET 107. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "F." PROVIDE 2#12 & #12 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT AND DASHED AREA.
- EL13 ALL EXTERIOR LUMINAIRES ON INDICATED CIRCUIT TO BE CONTROLLED VIA TOGGLE SWITCH "G." TOGGLE SWITCH LOCATED IN JANITORS CLOSET 107. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "G." PROVIDE 2#12 & #12 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT.
- EL14 ALL EXTERIOR LUMINAIRES ON INDICATED CIRCUIT TO BE CONTROLLED VIA TOGGLE SWITCH "H." TOGGLE SWITCH LOCATED IN OFFICE 117. REFER TO SHEET E-4.2 AND E-7.1 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. LABEL SWITCH COVER PLATE AS "H." PROVIDE 2#12 & #12 GND AND 3/4" CONDUIT FOR ALL LUMINAIRES ON INDICATED CIRCUIT.

REVISIONS

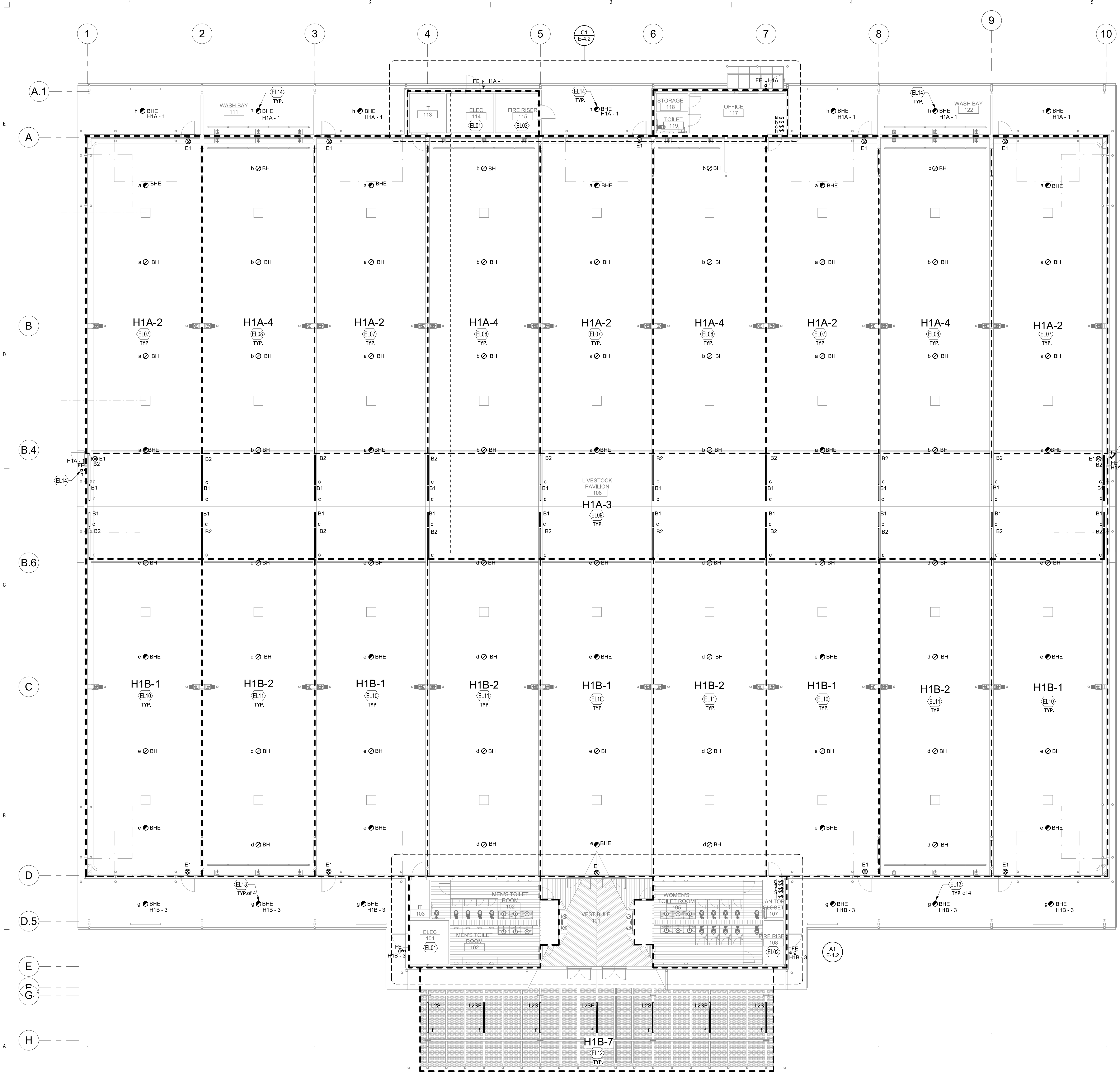
NOTES

DRAWN BY: DLC
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003

NORTH + SCALE

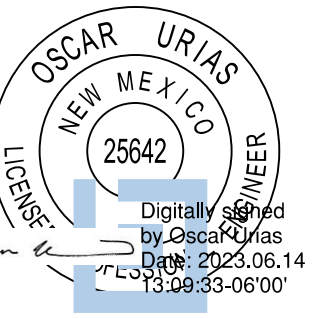
DRAWING NAME
LIGHTING FLOOR PLAN

EL1.1



6/14/2023 12:02:30 PM D:\Revt_2023\Projects\8734_Curry County Livestock Pavilion_Dibawac\AKFP.rvt

Bridgers & Paxton Project No. 8734

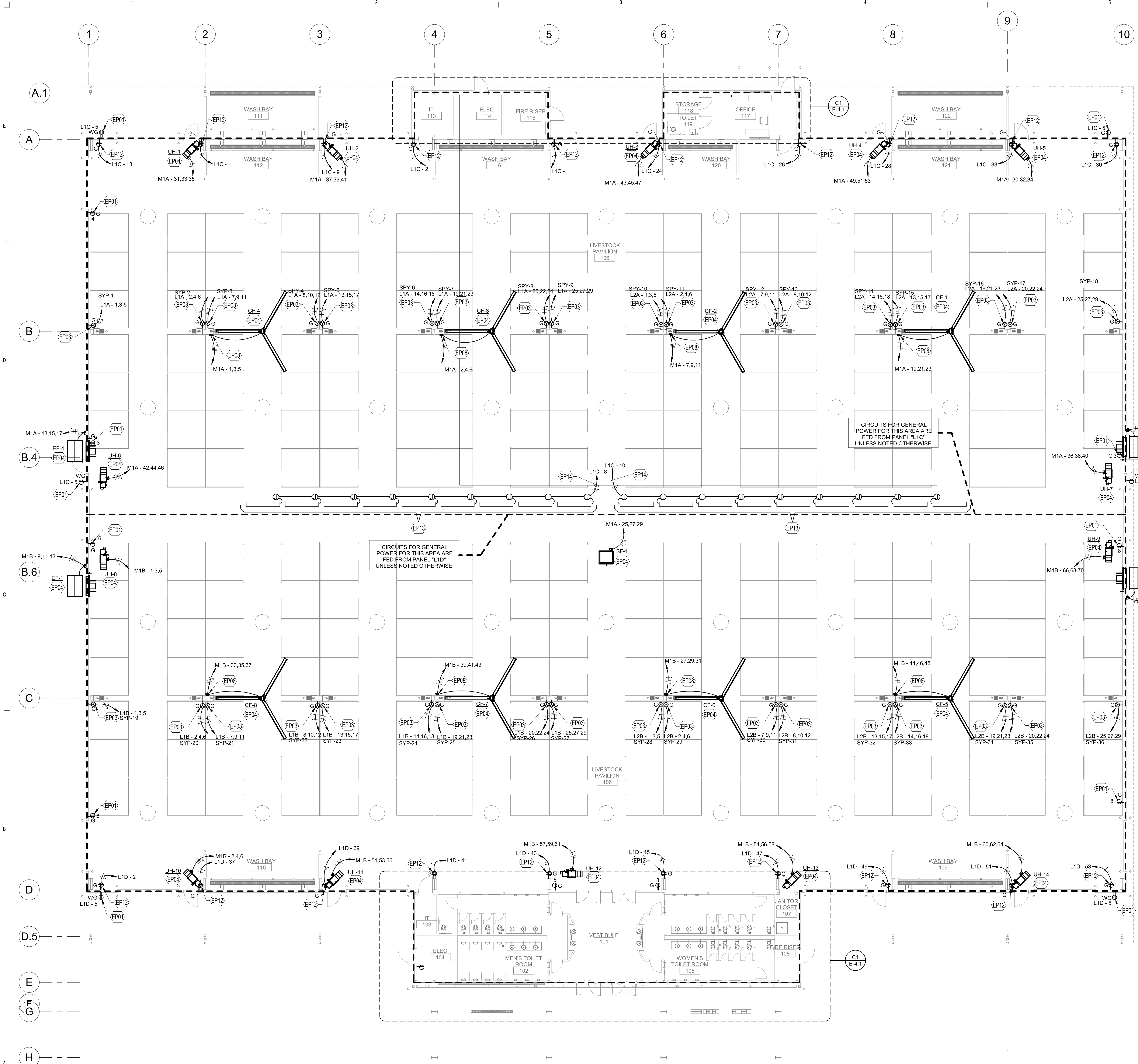


GENERAL SHEET NOTES

- A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS IN BUILDING AND AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 4'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLES WILL BE GFCI RATED AND WEATHERPROOF.
- B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". PROVIDE RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY "M" SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- C. LOCATION OF EQUIPMENT IS APPROXIMATE AND SHOULD BE FIELD VERIFIED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APERTURES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
- D. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.
- E. ALL CIRCUITS FOR GENERAL POWER WITHIN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
- F. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
- H. ALL THERMAL OVERLOAD SWITCHES SHALL BE RATED FOR 1HP MINIMUM.

SHEET KEYNOTES

- EP01 MOUNT DEVICES(S) 44" AFF. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
- EP03 RECEPTACLE DEVICE FOR SPIDER UNIT. MOUNT DEVICES AT 11'-0" AFF AT ALL COLUMN LOCATIONS AS INDICATED. REFER TO SHEET E-7.2 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP04 FOR EACH UNIT, REFER TO SHEET SERIES "M-7.1" FOR MECHANICAL EQUIPMENT CHARACTERISTICS; REFER TO SHEET E-7.2 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP08 PROVIDE DISCONNECT FOR CEILING MOUNTED FAN. MOUNT DISCONNECT AT 8'-0" AFF AT ALL LOCATIONS.
- EP12 PROVIDE QUADPLEX DEVICE. PROVIDE A 3/8" & #10 GND CONDUCTOR AND MOUNT AT 44" AFF.
- EP13 DAMPERS. REFER TO SHEET M-1.1 FOR ADDITIONAL INFORMATION.
- EP14 ROUTE HOME RUN THROUGH CONTROL PANEL IN OFFICE 117. REFER TO SHEET M-16.1 FOR ADDITIONAL INFORMATION.



A1 POWER FLOOR PLAN
332" x 110"
0' 8' 16' 32'

REVISIONS

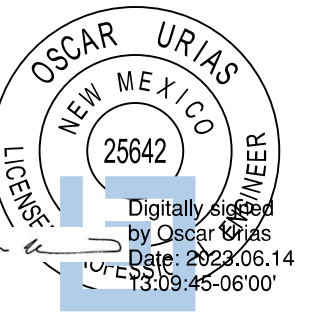
NOTES

DRAWN BY: DLC
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003

NORTH + SCALE

6/14/2023 12:02:46 PM D:\Revit\2023\Projects\8734_Curry County Livestock Pavilion_Dibawez\AKFY.rvt

Bridgers & Paxton Project No. 8734

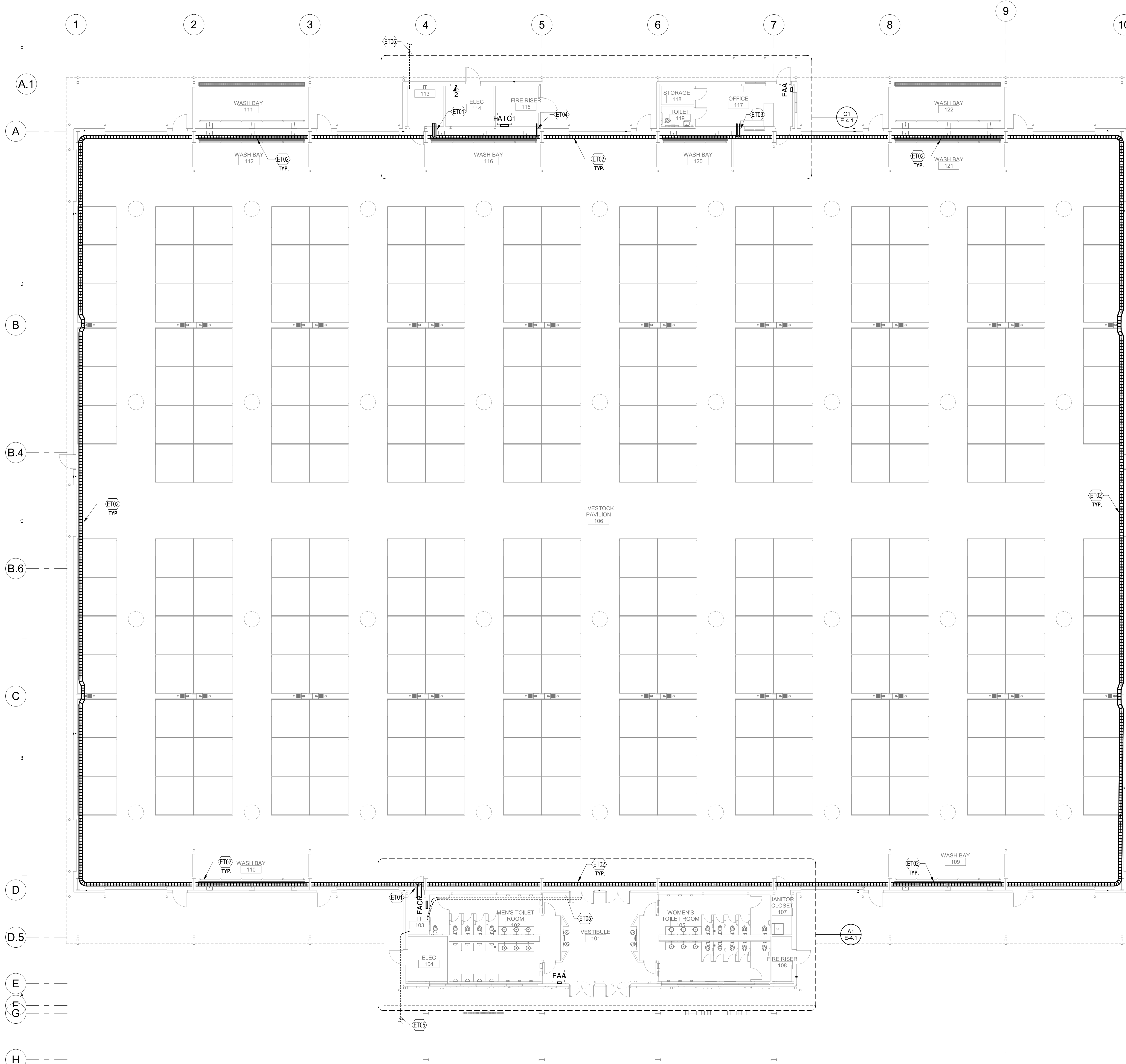


GENERAL SHEET NOTES

A CONTRACTOR WILL COORDINATE ALL TECHNOLOGY INSTALLATION ON THIS SHEET WITH CURRY COUNTY CONTRACTED VENDOR PRIOR TO COMMENCEMENT OF ANY WORK. DIRECTION PROVIDED BY CURRY COUNTY IT DEPARTMENT OR VENDORS WILL GOVERN ALL INSTALLATION.

SHEET KEYNOTES

- ET01 PROVIDE TWO(2) 4" CONDUITS STUBBED 6" ON EITHER SIDE OF THE WALL, MOUNT 14'-0" AFF.
- ET02 PROVIDE AND INSTALL AN 8" X 4" BASKET CABLE TRAY AROUND PERIMETER OF THE BUILDING. CABLE TRAY WILL BE MOUNTED TO WALL BETWEEN COLUMNS ON NORTH AND SOUTH WALLS AND TO THE WALLS ON THE EAST AND WEST SIDE. MOUNT HEIGHT WILL BE DIRECTED BY ARCHITECT AND THE INTERIOR ELEVATIONS. COLUMNS WILL BE PROVIDED WITH A 6"x6" OPENING SO CABLES CAN BE INSTALLED WHERE THE CABLE TRAY IS BETWEEN COLUMNS.
- ET03 PROVIDE TWO (2) 2" CONDUITS STUBBED 6" ON EITHER SIDE OF THE WALL, MOUNT 14'-0" AFF.
- ET04 PROVIDE ONE (1) 2" CONDUITS STUBBED 6" ON EITHER SIDE OF THE WALL, MOUNT 14'-0" AFF.
- ET05 REFER TO SHEET ES1.1 FOR ADDITIONAL INFORMATION.



REVISIONS

△	

NOTES

DRAWN BY	DLC
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

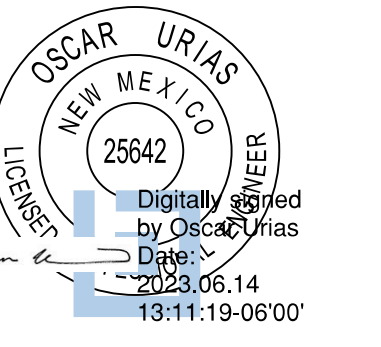
NORTH + SCALE

DRAWING NAME
SPECIAL SYSTEMS FLOOR PLAN

ET1.1

6/14/2023 12:26:00 PM D:\Reel_2023\Projects\8734_Curry County Livestock Pavilion_D\chavez\AKFP.rvt

Bridgers & Paxton Project No. 8734

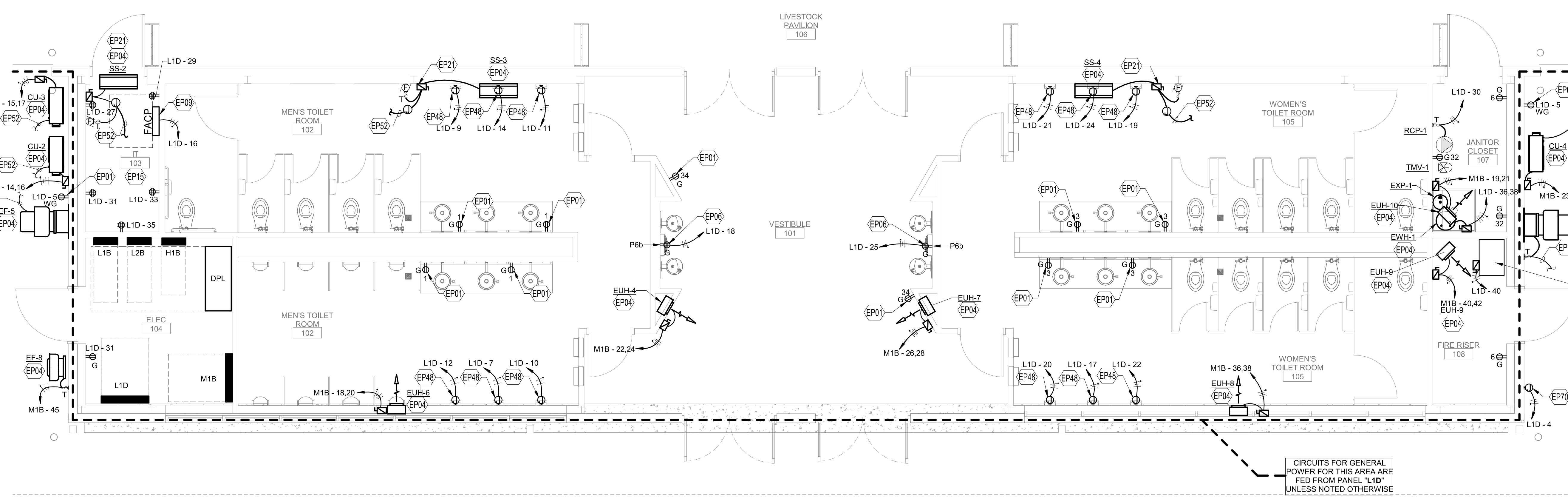
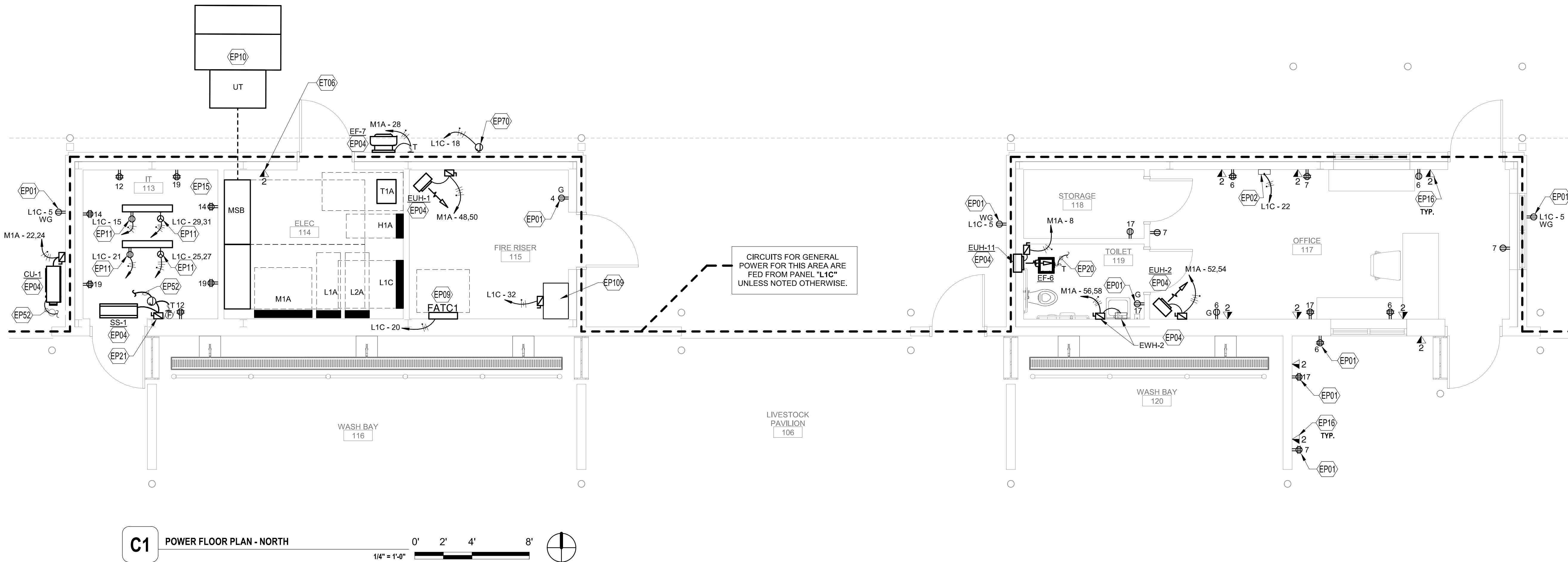


GENERAL SHEET NOTES

- A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS IN BUILDING AND AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 4'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLES WILL BE GFCI RATED AND WEATHERPROOF.
- B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". PROVIDE RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY "M" SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- C. LOCATION OF EQUIPMENT IS APPROXIMATE AND SHOULD BE FIELD VERIFIED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APERTURE SIZES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
- D. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.
- E. ALL CIRCUITS FOR GENERAL POWER WITH-IN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
- F. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE BUT NOT LIMITED TO: SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
- G. ALL THERMAL OVERLOAD SWITCHES SHALL BE RATED FOR 1HP MINIMUM.

SHEET KEYNOTES

- EP01 MOUNT DEVICE(S) 4" AFF. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
- EP02 MECHANICAL CONTROL PANEL. REFER TO SHEET M18.1 AND M11.1 FOR LOCATION IN OFFICE 117.
- EP04 FOR EACH UNIT, REFER TO SHEET SERIES "M.1" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-7.2 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP06 PROVIDE DEVICE FOR ELECTRIC WATER COOLER/BOTTLE FILLER. PROVIDE GFCI CIRCUIT BREAKER IN PANEL. NOT AT RECEPTACLE. MOUNT DEVICE SO IT IS CONCEALED BEHIND UNIT ALONG WITH GRID. COORDINATE WITH MANUFACTURERS FOR ALL REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY WORK.
- EP09 FIRE ALARM CONTROL PANEL (FACP) OR FIRE ALARM TERMINAL CABINET (FATC). REFER TO SHEET E-602 FOR ADDITIONAL INFORMATION. PROVIDE 120V POWER.
- EP10 PRIMARY ELECTRICAL EQUIPMENT. REFER TO SHEET ES.1 AND E-8.1 FOR ADDITIONAL INFORMATION.
- EP11 PROVIDE (1) 120V, 20A DEVICE AND (1) 208V 1PH 30A DEVICE OVER RACK. DO NOT MOUNT DIRECTLY TO CABLE TRAY. PROVIDE L-STRUT SUPPORT ABOVE SERVER ATTACH TO ROOF STRUCTURE. DEVICES WILL BE MOUNTED AT CABLE TRAY HEIGHT.
- EP15 DEVICES IN IT ROOM WILL BE SURGE-PROTECTED TYPE RECEPTACLES. MOUNT ALL DEVICES 48" AFF.
- EP16 PROVIDE A 1 1/4" CONDUIT FROM DATA OUTLET TO CABLE TRAY
- EP20 EXTEND CIRCUIT AND CONTROL FROM ROOM LIGHTING TO EXHAUST FAN. EXHAUST FAN TO BE CONTROLLED WITH LIGHTING IN ROOM. REFER TO SHEET "E-4.2" FOR ADDITIONAL INFORMATION.
- EP21 SPLIT SYSTEM INDOOR UNIT. PROVIDE A KNIFE BLADE DISCONNECT SWITCH ADJACENT TO UNIT. RACEWAY AND CONDUCTORS WILL BE EXTENDED TO ASSOCIATED UNIT FOR THIS SPLIT SYSTEM. UNIT WILL BE PACKAGED WITH CONTROLS. PROVIDE JUNCTION BOX FOR SEPARATION OF POWER TO CONDENSATE PUMP AND FC UNIT. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION. REFER TO SHEET E-7.2 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP48 ELECTRIC HAND DRYER. PROVIDE 2#12 & 1#12 GND. IN 3/4" CONDUIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
- EP52 EXTEND RACEWAY PATH TO OUTDOOR CONDENSING OR INDOOR UNITS.
- EP70 PROVIDE J-BOX FOR ELECTRIC BELL. REFER TO SHEET SERIES "FX" FOR MOUNTING HEIGHT AND ADDITIONAL INFORMATION.
- EP109 NITROGEN GENERATOR. REFER TO SHEET SERIES "FX" FOR ADDITIONAL INFORMATION.
- ET06 PROVIDE DATA OUTLET FOR METER. SEE SHEET ES.1 FOR ADDITIONAL INFORMATION.



REVISIONS

NO.	DATE	DESCRIPTION

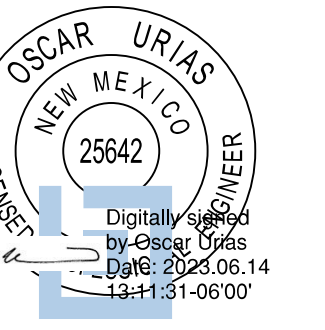
NOTES

DRAWN BY	DLC
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
ENLARGED ELECTRICAL POWER PLANS

E-4.1

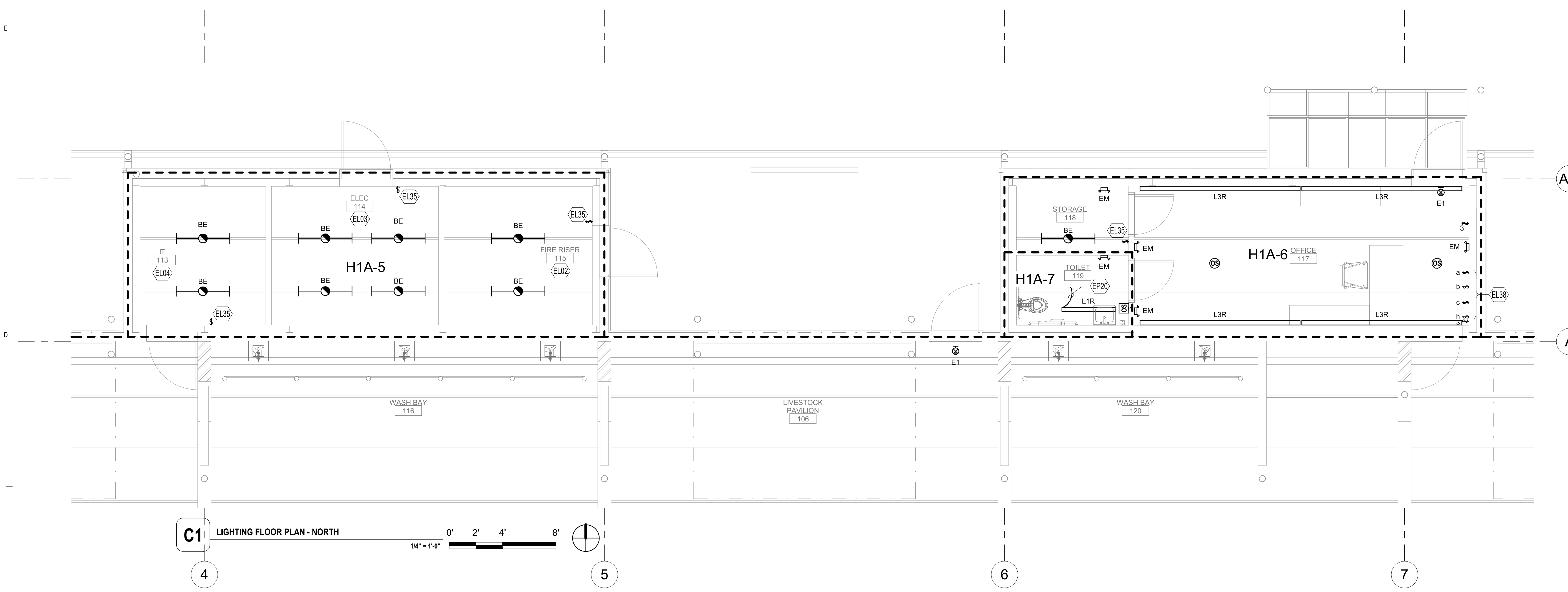


GENERAL SHEET NOTES

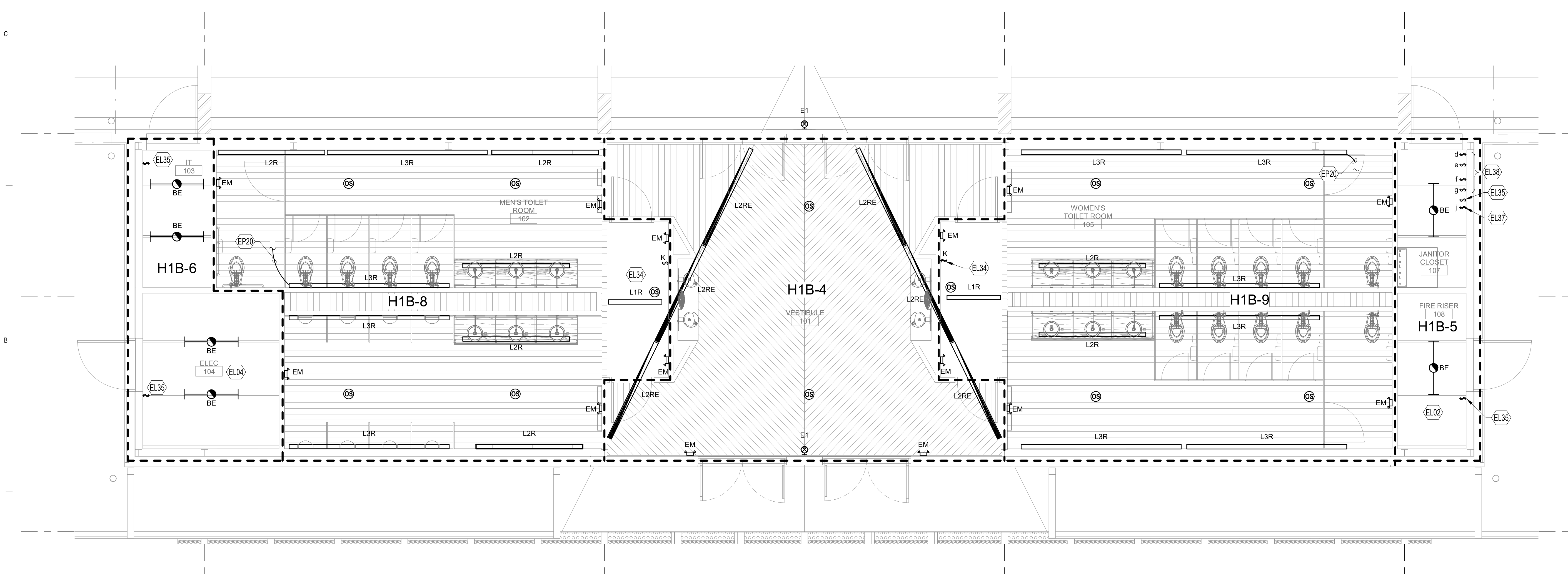
- A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE), "E2" (DOUBLE FACE) OR "E3" UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EG" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
- B. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
- C. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
- D. FOR LIGHTING SEQUENCE OF OPERATION, SEE E-604 SHEET.
- E. FOR LUMINAIRE MOUNTING, REFER TO DETAILS B3 AND C3 ON SHEET E-501.
- F. REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
- G. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES A-200.
- H. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE CONTROLLED VIA TOGGLE SWITCHES.
- I. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
- J. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
- K. FOR ALL SWITCHES REFER TO ARCHITECTURAL SHEET AE010 DETAIL FOR MOUNTING.

SHEET KEYNOTES

- EL02 REFER TO SHEET SERIES "M" AND "P" FOR MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK, AND PIPING LAYOUT IN THIS ROOM. CONTRACTOR TO STEM MOUNT AND UTILIZE UNISTRUT NEAR OR UNDER DUCTWORK SO THAT LOCATION IS AWAY FROM OBSTRUCTION, IF NECESSARY.
- EL03 REFER TO SHEET SERIES "EP" FOR ELECTRICAL EQUIPMENT LAYOUT IN THIS ROOM. CONTRACTOR TO STEM MOUNT LIGHTING AND UTILIZE UNISTRUT SO THAT LOCATION IS AWAY FROM OBSTRUCTION, IF NECESSARY.
- EL04 FOR LUMINAIRE LOCATIONS, COORDINATE WITH TELECOMMUNICATIONS RACK PLACEMENT. CONTRACTOR TO STEM MOUNT LIGHTING AND UTILIZE UNISTRUT SO THAT LOCATION IS AWAY FROM OBSTRUCTION AND BOTTOM OF LUMINAIRE IS FLUSH WITH BOTTOM OF CABLE TRAY.
- EL34 ROOM LIGHTING WILL BE CONTROLLED WITH SWITCH TYPE INDICATED AND CEILING MOUNTED OCCUPANCY SENSOR. SENSOR WILL BE WATTSTOPPER DT-355 OR APPROVED EQUAL.
- EL35 ROOM LIGHTING WILL BE CONTROLLED WITH TOGGLE SWITCH INDICATED IN ROOM.
- EL37 VESTIBULE LIGHTING WILL BE CONTROLLED SIMILAR TO NOTE EL34 AND SWITCH WILL BE IN JANITORS CLOSET 107 LABEL SWITCH "1".
- EL38 REFER TO SHEET EL.1.1 FOR LUMINAIRES THESE SWITCHES CONTROL IN PAVILION OR EXTERIOR TO BUILDING.
- EP20 EXTEND CIRCUIT AND CONTROL FROM ROOM LIGHTING TO EXHAUST FAN. EXHAUST FAN TO BE CONTROLLED WITH LIGHTING IN ROOM. REFER TO SHEET "E4.2" FOR ADDITIONAL INFORMATION.



C1 LIGHTING FLOOR PLAN - NORTH
1/4" = 1'-0"



A1 LIGHTING FLOOR PLAN - SOUTH
1/4" = 1'-0"

REVISIONS

--	--

NOTES

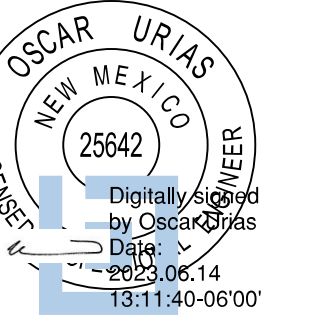
--	--

DRAWN BY	DLC
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
ENLARGED ELECTRICAL LIGHTING PLANS

E-4.2

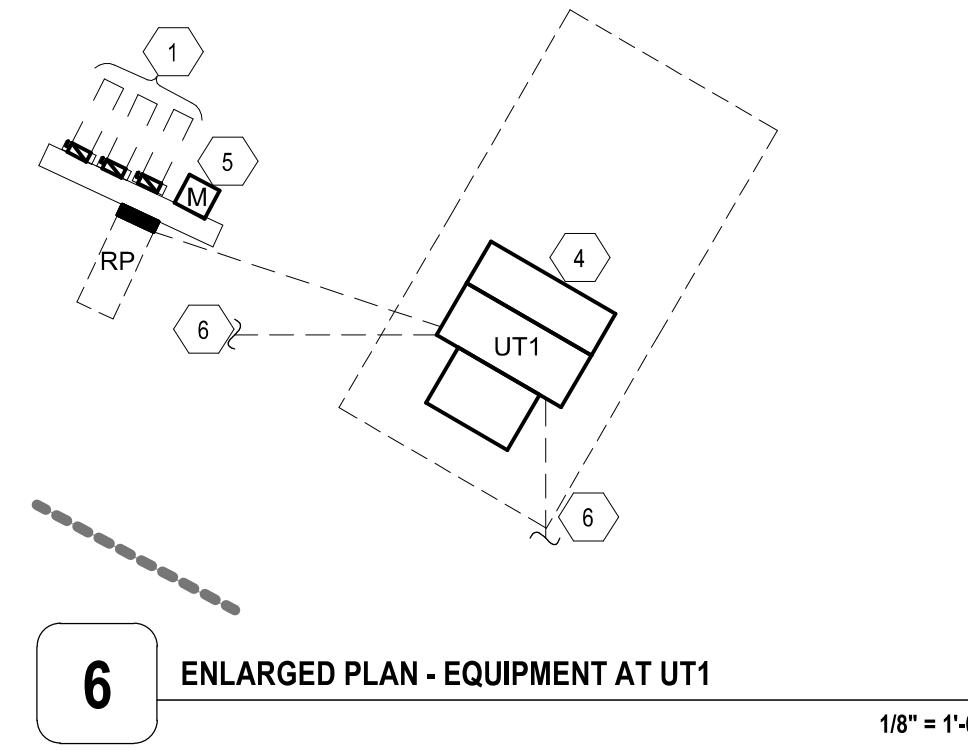


GENERAL SHEET NOTES

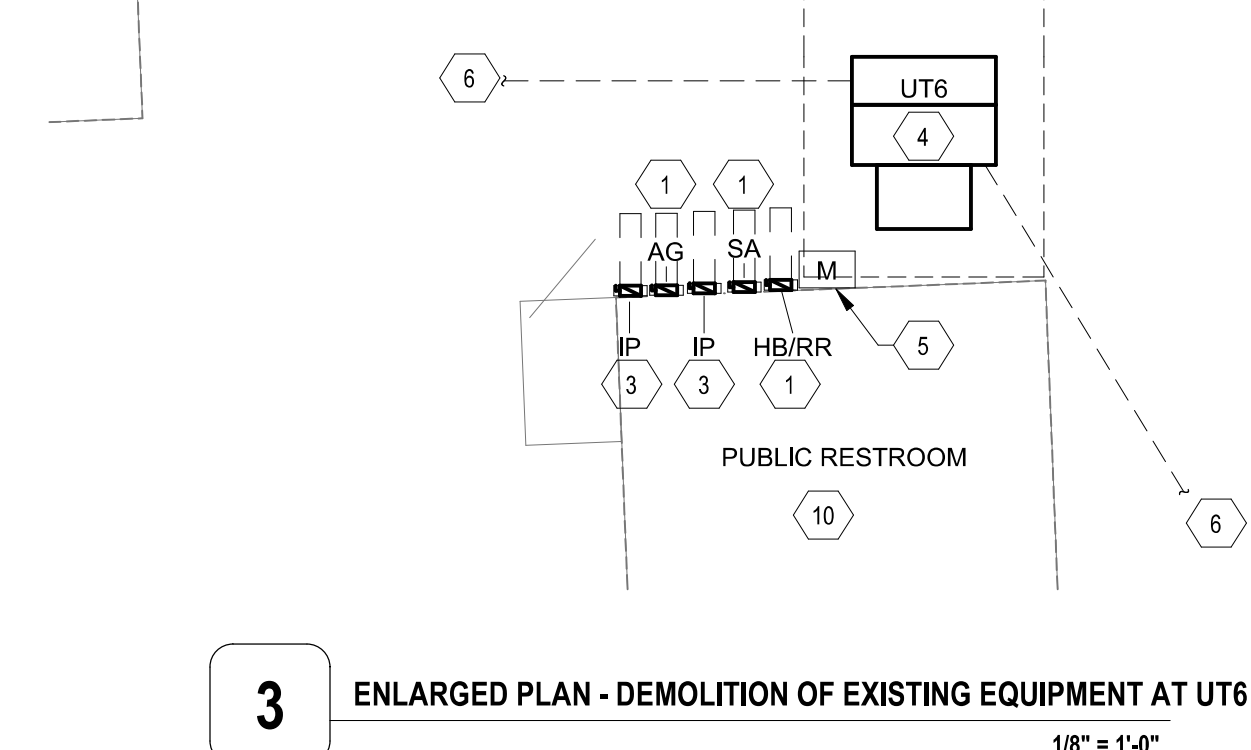
- A. REFER TO SHEET SERIES "C", "AS", "M", "T" AND "P" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ANY UTILITIES SHOWN ON THIS SHEET PRIOR TO COMMENCEMENT OF ANY WORK FOR BEST LOCATION OF THESE UTILITIES.
- B. REFER TO SHEET E-401 FOR ELECTRICAL EQUIPMENT, CONDUIT SIZE AND ADDITIONAL INFORMATION ON ELECTRICAL DISTRIBUTION SYSTEM.
- C. WHERE CONDUITS CROSS A DRIVEWAY, ROADWAY OR PARKING AREA, CONDUITS SHALL BE CONCRETE ENCASED.
- D. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO COMMENCING ANY WORK.
- E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS.

SHEET KEYNOTES

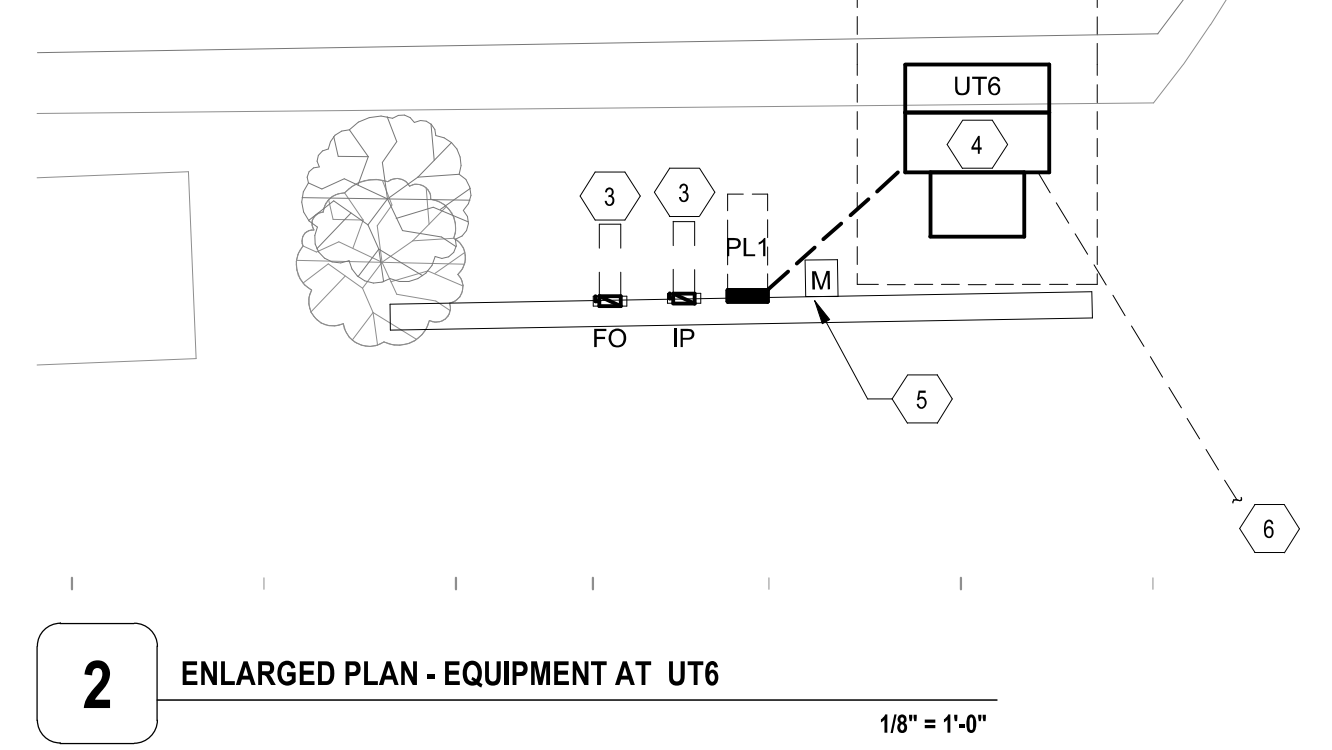
- 1. EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED/MODIFIED WITH REMOVED OF SOME EXISTING BARN BUILDINGS. REMOVE ALL SECONDARY FEEDERS BACK TO SOURCE.
- 2. EXISTING BUILDING TO REMAIN. MAINTAIN ALL SYSTEMS WITH IN BUILDING AS CURRENTLY INSTALLED. NO DISRUPTION OF EXISTING SYSTEMS WILL OCCUR UNLESS NOTED OTHERWISE.
- 3. EXISTING SECONDARY ELECTRICAL DISTRIBUTION EQUIPMENT AND METER/METER ENCLOSURE WILL REMAIN AS PRESENTLY INSTALLED. SOME MODIFICATIONS MAY TAKE PLACE WHERE REMOVAL OF A BUILDING OR EQUIPMENT IS INDICATED TO BE REMOVED FROM SITE.
- 4. EXISTING UTILITY TRANSFORMER TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
- 5. EXISTING METER WILL REMAIN AS PRESENTLY INSTALLED.
- 6. EXISTING ELECTRICAL EQUIPMENT TO REMAIN PLUS FEEDER TO BUILDING IT SERVICES.
- 7. TO NEXT UTILITY EQUIPMENT. PRIMARY UNDERGROUND FEEDER WILL REMAIN.
- 8. REFER TO SHEET "E-3" FOR ELECTRICAL CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
- 9. PROVIDE INSET OUTLETS FOR FOOD TRUCK POWER. 80A/250V RATED AND A 20A/120V RATED. MOUNT ON SIDE OF BENCH. REFER TO ARCHITECTURAL BENCH DETAIL FOR ADDITIONAL INFORMATION. RECEPTACLES WILL BE GFCI/GFPE RATED AND PROTECTED BY SIMILAR MPE CIRCUIT BREAKERS. PROVIDE END USE WEATHER PROOF COVERS. PROVIDE GFCI RECEPTACLE WITH 2"X1/2" & 1"X1/2" ONE IN 3/4" CONDUIT BACK TO PANEL INDICATED.
- 11. EXISTING BUILDING TO BE REMOVED, PLUS, ALL ELECTRICAL SYSTEMS IN BUILDING BACK TO SOURCE EQUIPMENT.



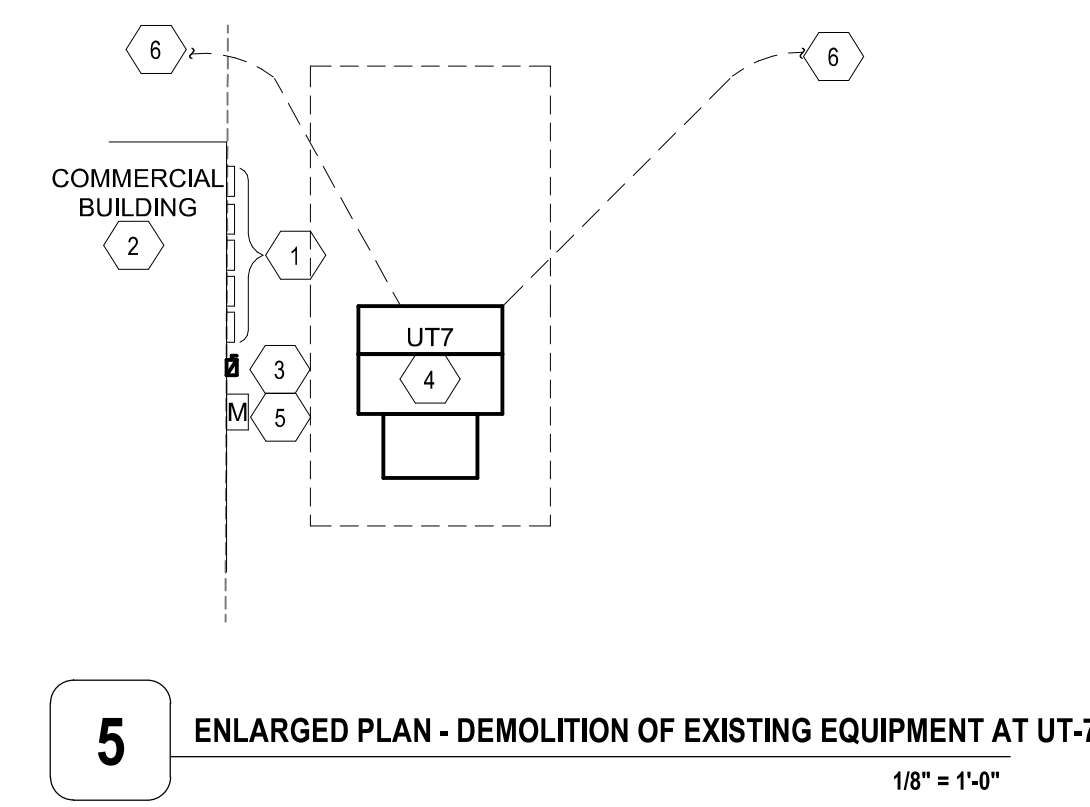
6 ENLARGED PLAN - EQUIPMENT AT UT1
1/8" = 1'-0"



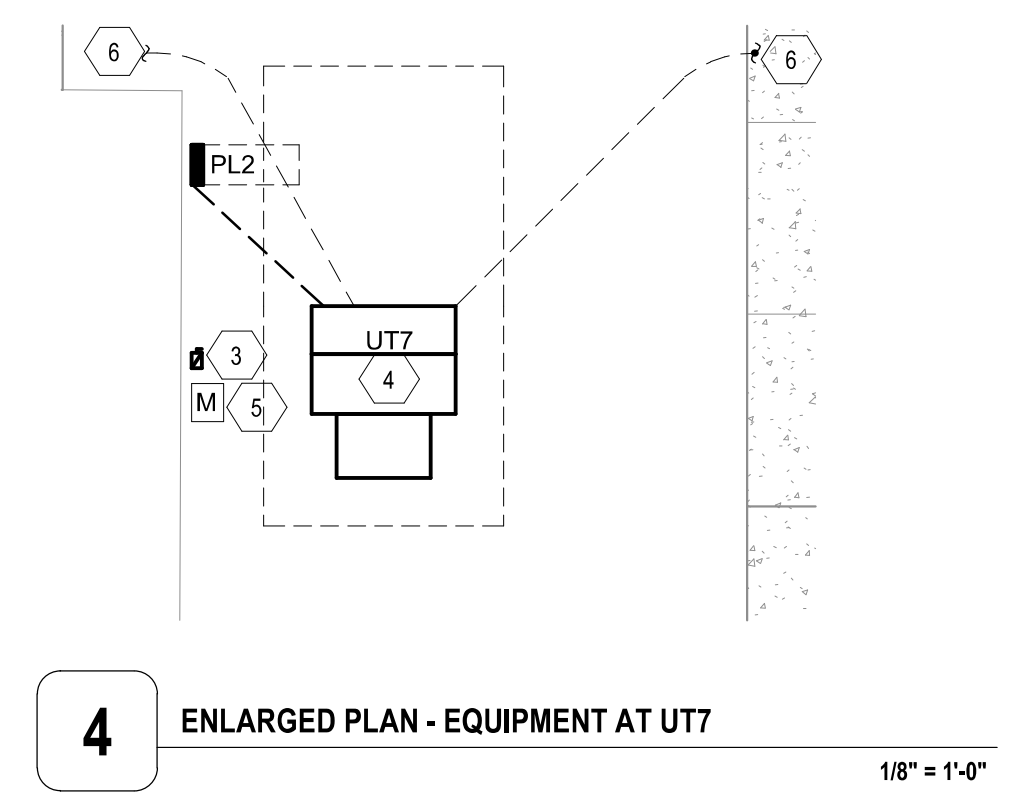
3 ENLARGED PLAN - DEMOLITION OF EXISTING EQUIPMENT AT UT6
1/8" = 1'-0"



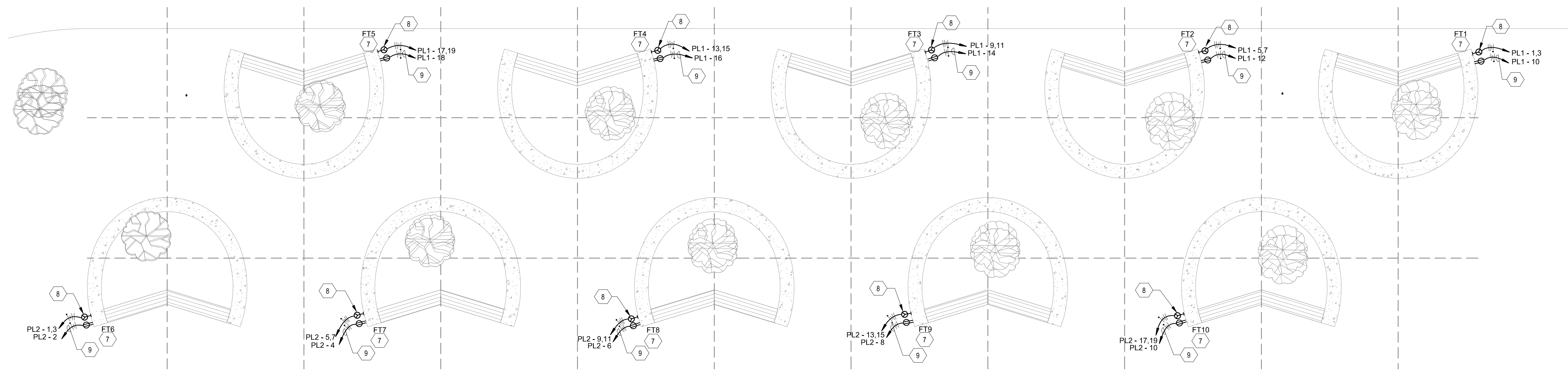
2 ENLARGED PLAN - EQUIPMENT AT UT6
1/8" = 1'-0"



5 ENLARGED PLAN - DEMOLITION OF EXISTING EQUIPMENT AT UT-7
1/8" = 1'-0"



4 ENLARGED PLAN - EQUIPMENT AT UT7
1/8" = 1'-0"

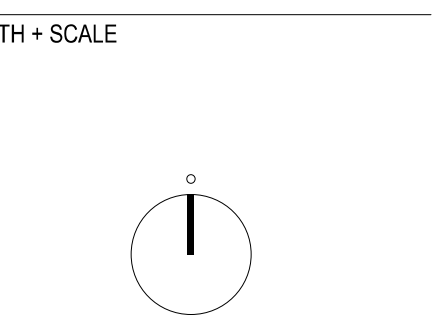


1 ENLARGED PLAN - FRONT ENTRANCE RECEPTACLE LAYOUT FOR BENCHES
1/8" = 1'-0"

REVISIONS

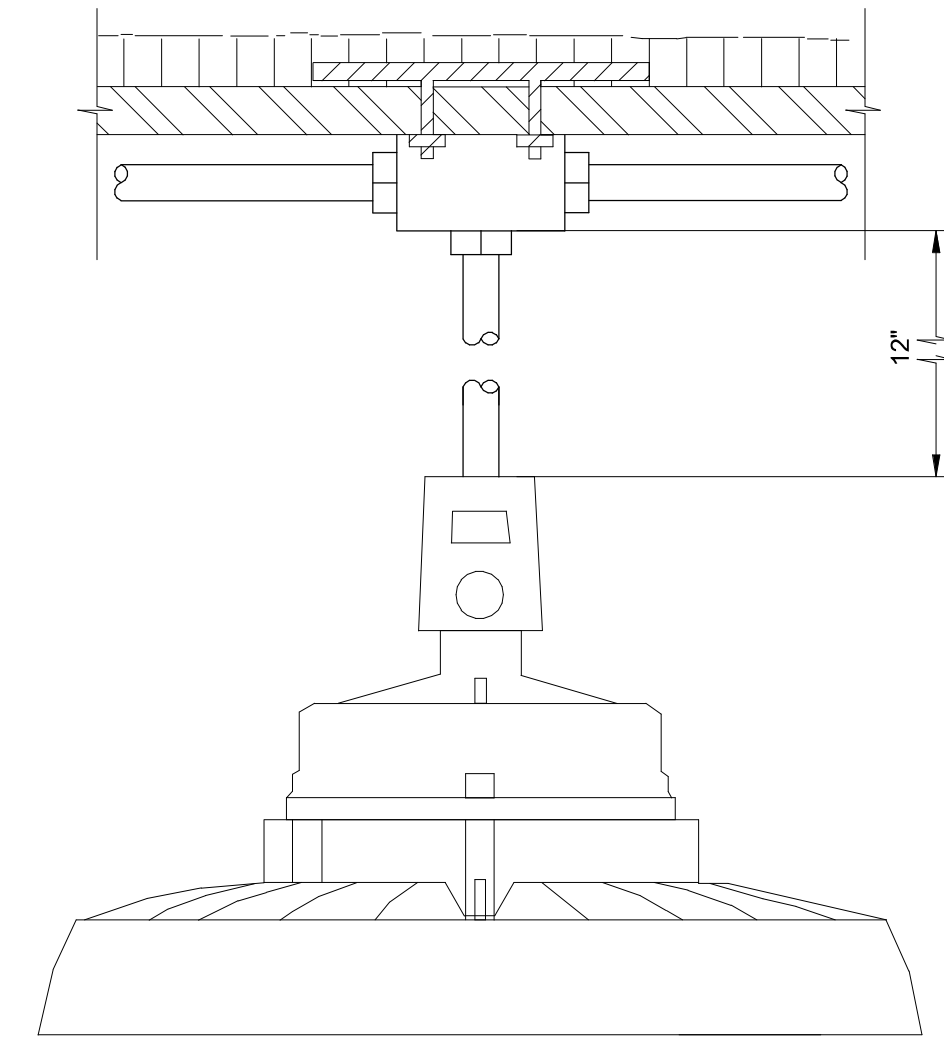
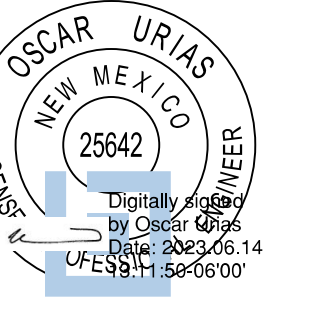
NOTES

DRAWN BY	DLC
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

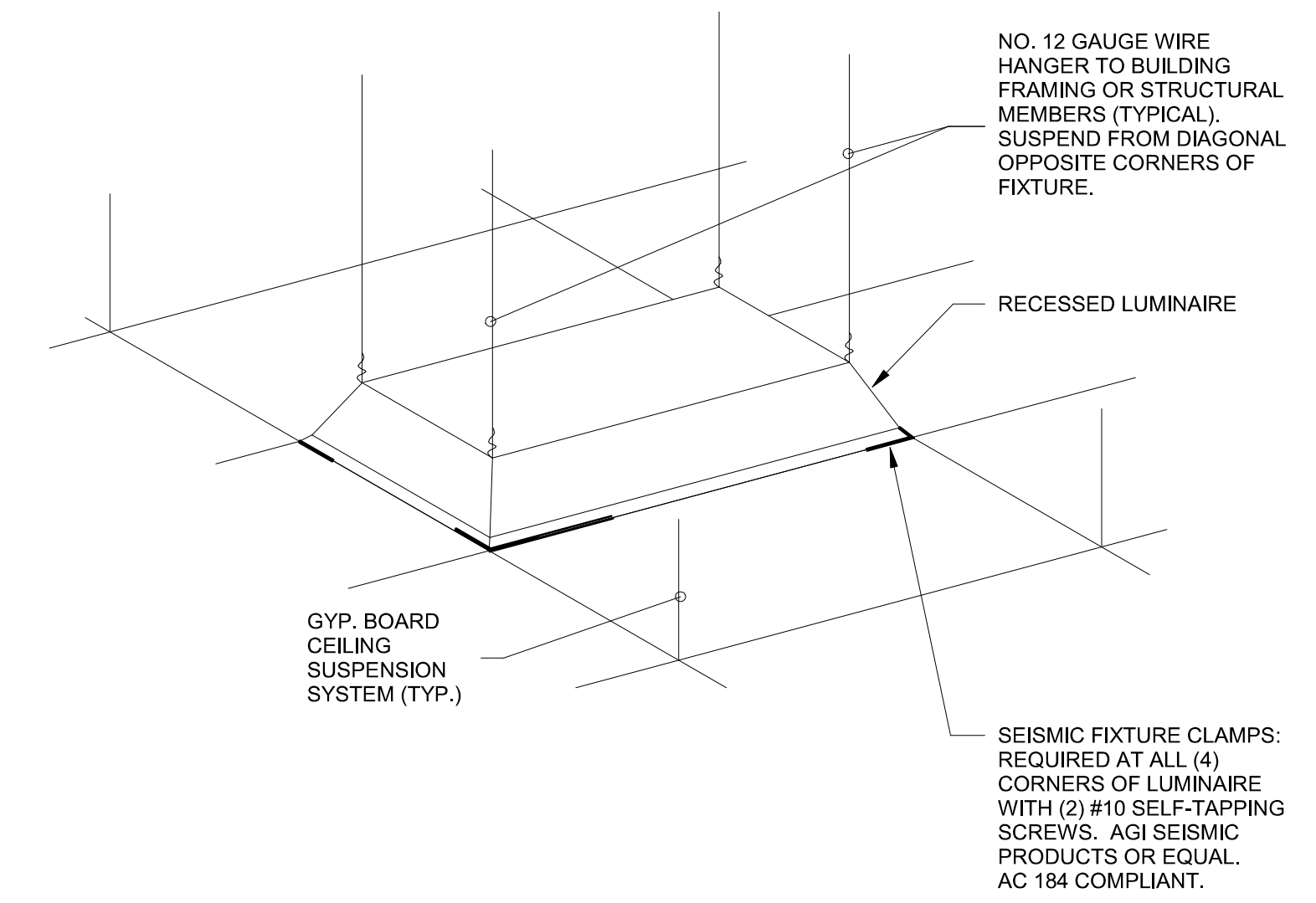


DRAWING NAME
ENLARGED ELECTRICAL SITE PLANS

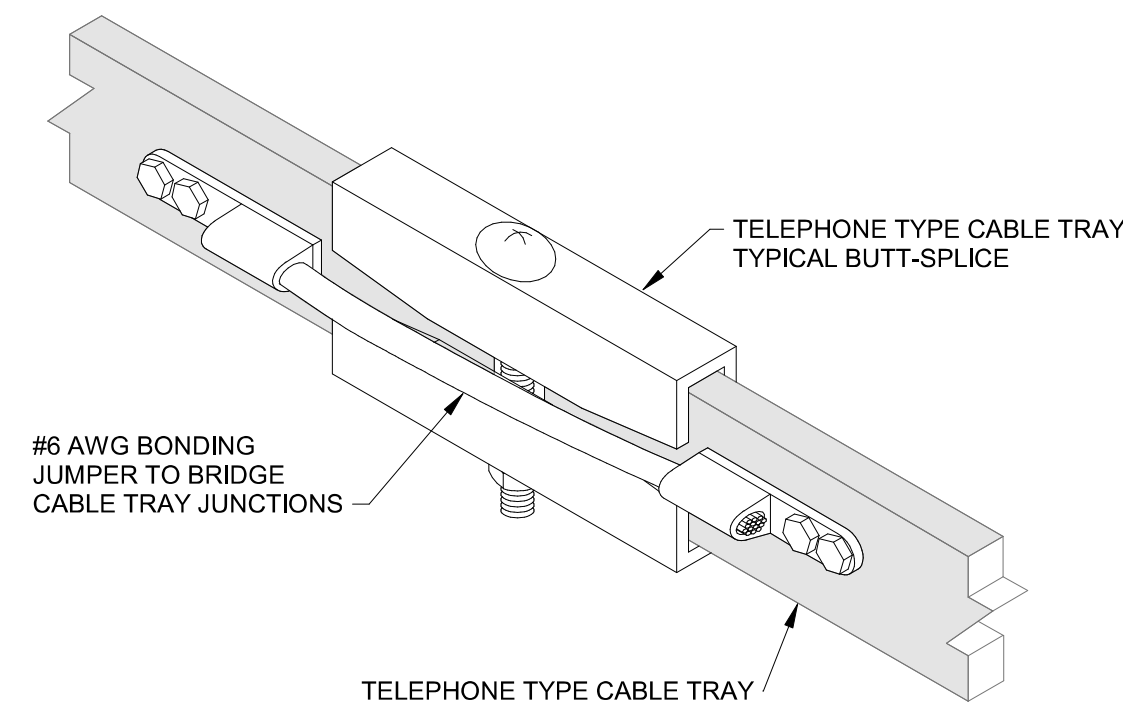
E-4.3



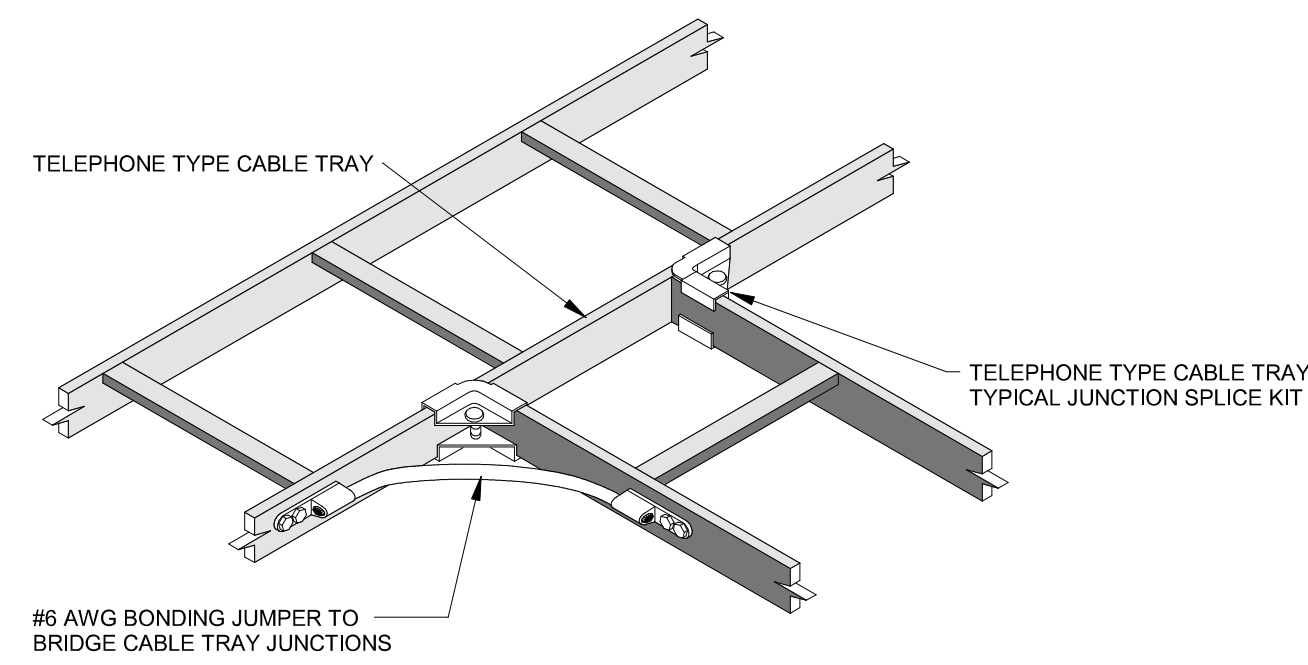
3 HIGH BAY LUMINAIRE MOUNTING DETAIL N.T.S.



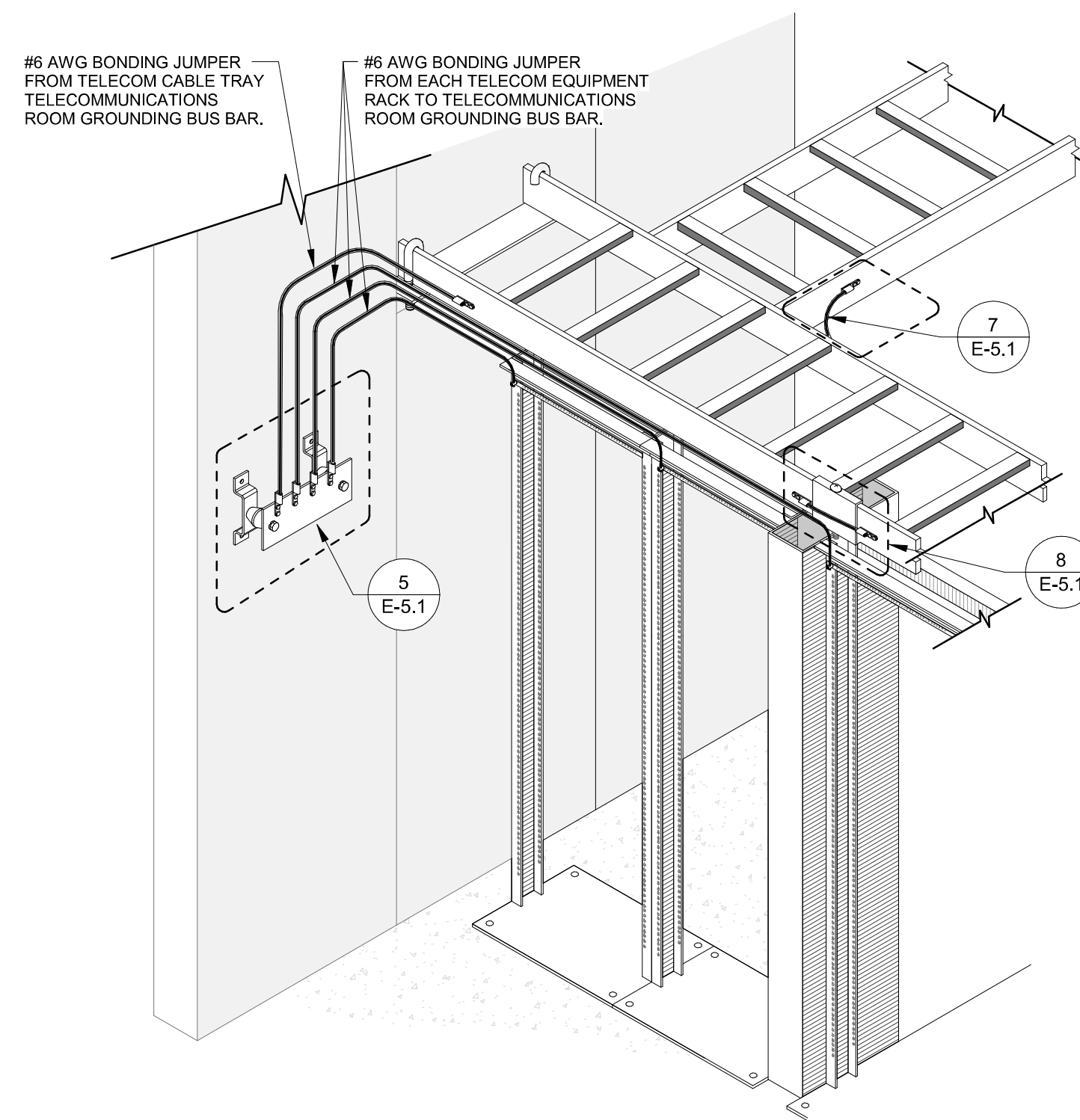
2 LAY-IN LUMINAIRE SUPPORT DETAIL N.T.S.



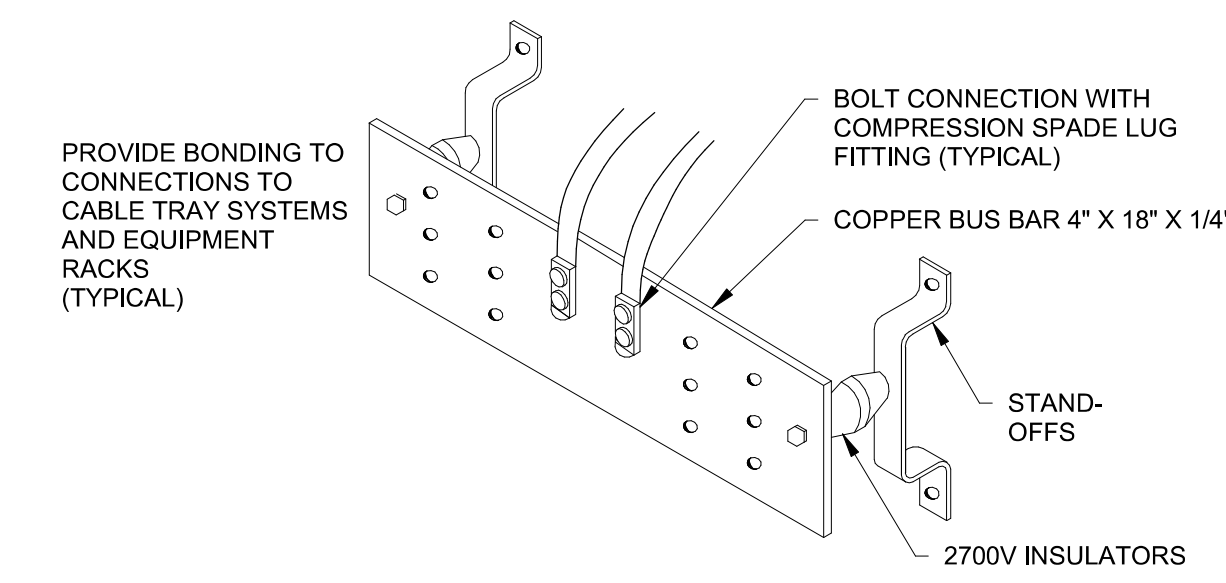
8 TYPICAL CABLE TRAY GROUNDING DETAILS NO SCALE



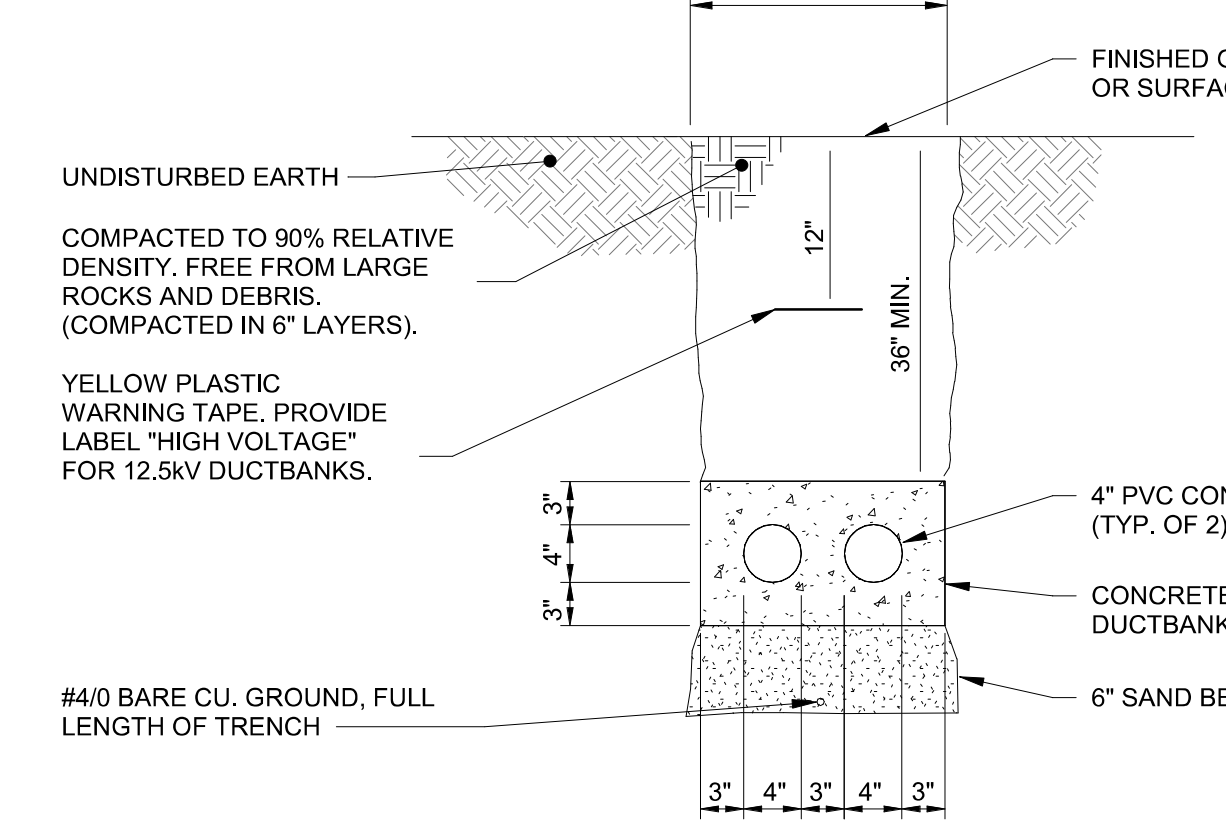
7 TYPICAL CABLE TRAY GROUNDING DETAIL 2 N.T.S.



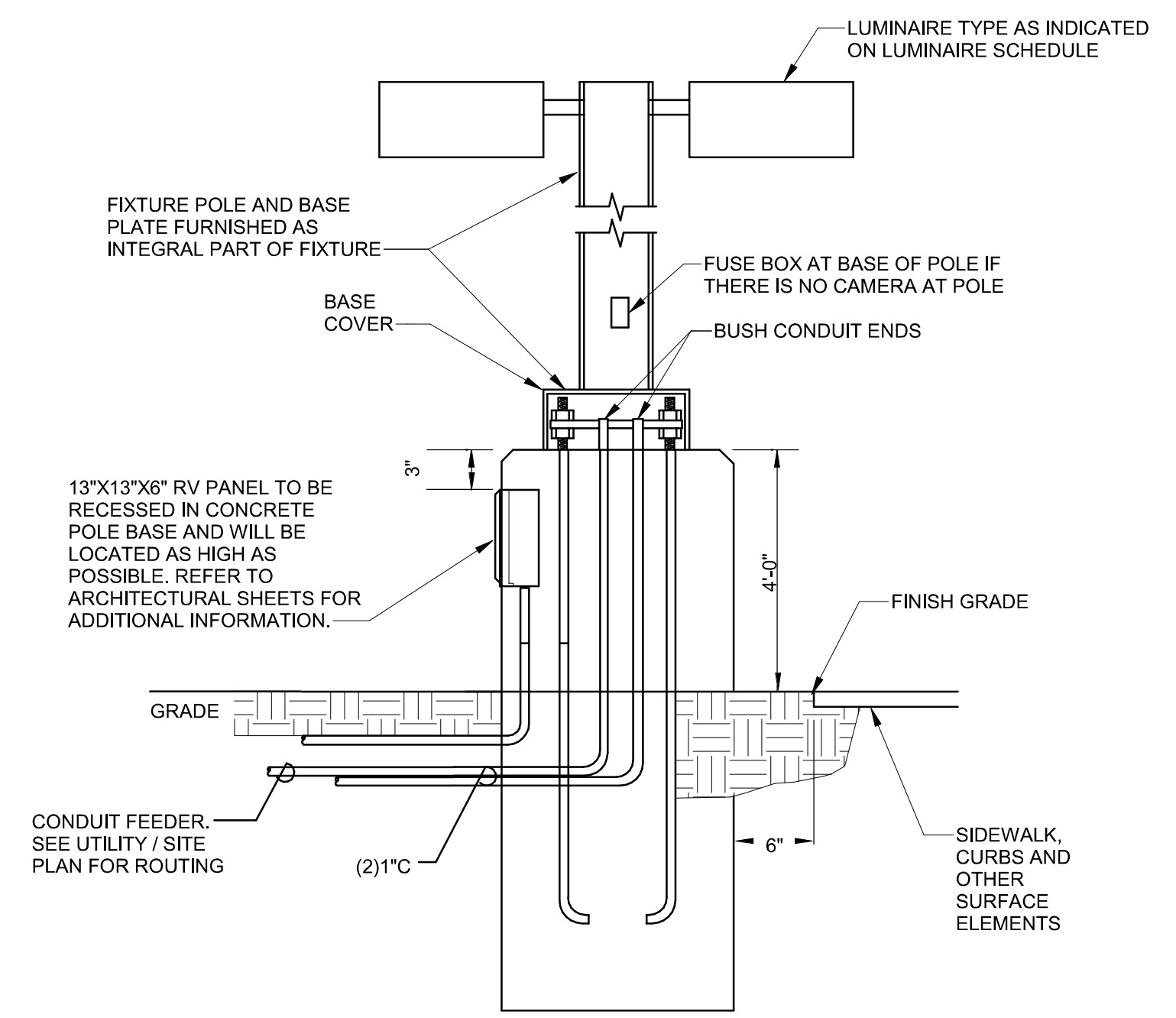
6 GROUNDING SYSTEM OVERVIEW DETAIL N.T.S.



5 GROUND BUS BAR N.T.S.



4 PRIMARY DUCT BANK N.T.S.



- NOTE:**
- POLE BASE DETAILS SHOWS INSTALLATION OF RACEWAY PATHS FOR POLE POWER AND GROUNDING ONLY. CONCRETE, REBAR AND MOUNTING SHALL BE SPECIFIED/APPROVED BY THE STRUCTURAL ENGINEER. REFER TO A1145002 FOR BASE CONSTRUCTION.
 - HAND HOLE NEAR POLE BASE WILL BE A 12\"/>

1 POLE BASE DETAIL1 1/4\"/>

REVISIONS

△	
---	--

NOTES

DRAWN BY	DLG
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
ELECTRICAL DETAIL SHEET

E-5.1

COPPER FEEDER SCHEDULE

NOTE: ALL CONDUCTORS ARE COPPER, TYPE THW/THHN UNLESS OTHERWISE NOTED.
DESIGNATION CONDUCTORS CONDUIT NOTES

DESIGNATION	CONDUCTORS	CONDUIT	NOTES
THREE PHASE THREE WIRE & GROUND FEEDER			
25A	3#12	3/4"	
30A	3#10	3/4"	
35A	3#8	10	3/4"
40A	3#6	10	3/4"
45A	3#6	10	3/4"
50A	3#6	10	3/4"
60A	3#6	10	1"
70A	3#4	8	1 1/4"
80A	3#4	8	1 1/4"
90A	3#2	8	1 1/4"
100A	3#2	8	1 1/4"
125A	3#1	6	1 1/2"
150A	3#1/0	6	1 1/2"
175A	3#2/0	6	2"
200A	3#2/0	6	2"
225A	3#4/0	4	2 1/2"
250A	3-250 KCMIL	4	3"
300A	3-350 KCMIL	2	4"
350A	3-500 KCMIL	2	4"
400A	3-600 KCMIL	2	4"
450A	(2) 3#4/0	(2) 2	(2) 2 1/2"
500A	(2) 3-250 KCMIL	(2) 2	(2) 3"
600A	(2) 3-350 KCMIL	(2) 1	(2) 3"
700A	(2) 3-500 KCMIL	(2) 1	(2) 4"
800A	(2) 3-600 KCMIL	(2) 1/0	(2) 4"
1000A	(3) 3-400 KCMIL	(3) 2/0	(3) 3"
1200A	(3) 3-600 KCMIL	(3) 3/0	(3) 4"
1600A	(4) 3-600 KCMIL	(4) 4/0	(4) 4"
2000A	(5) 3-600 KCMIL	(5) 250 KCMIL	(5) 4"
2500A	(6) 3-600 KCMIL	(6) 350 KCMIL	(6) 4"
3000A	(8) 3-500 KCMIL	(8) 400 KCMIL	(8) 4"
4000A	(10) 3-600 KCMIL	(10) 500 KCMIL	(10) 4"
5000A	(12) 3-600 KCMIL	(12) 700 KCMIL	(12) 4"
THREE PHASE FOUR WIRE & GROUND FEEDER			
20Y	4#12	12	3/4"
25Y	4#10	10	3/4"
30Y	4#10	10	3/4"
35Y	4#8	10	3/4"
40Y	4#8	10	3/4"
45Y	4#8	10	3/4"
50Y	4#8	10	3/4"
60Y	4#6	10	1"
70Y	4#4	8	1 1/4"
80Y	4#4	8	1 1/4"
90Y	4#2	8	1 1/4"
100Y	4#2	8	1 1/4"
125Y	4#1	6	1 1/2"
150Y	4#1/0	6	2"
175Y	4#2/0	6	2"
200Y	4#3/0	6	2"
225Y	4#4/0	4	2 1/2"
250Y	4-250 KCMIL	4	3"
300Y	4-350 KCMIL	4	3"
350Y	4-500 KCMIL	2	4"
400Y	4-600 KCMIL	2	4"
450Y	(2) 4#4/0	(2) 2	(2) 2 1/2"
500Y	(2) 4-250 KCMIL	(2) 2	(2) 3"
600Y	(2) 4-350 KCMIL	(2) 1	(2) 3"
700Y	(2) 4-500 KCMIL	(2) 1	(2) 4"
800Y	(2) 4-600 KCMIL	(2) 1/0	(2) 4"
1000Y	(3) 4-400 KCMIL	(3) 2/0	(3) 3"
1200Y	(3) 4-600 KCMIL	(3) 3/0	(3) 4"
1600Y	(4) 4-600 KCMIL	(4) 4/0	(4) 4"
2000Y	(5) 4-600 KCMIL	(5) 250 KCMIL	(5) 4"
2500Y	(6) 4-600 KCMIL	(6) 350 KCMIL	(6) 4"
3000Y	(8) 4-500 KCMIL	(8) 400 KCMIL	(8) 4"
4000Y	(10) 4-600 KCMIL	(10) 500 KCMIL	(10) 4"
5000Y	(12) 4-600 KCMIL	(12) 700 KCMIL	(12) 4"
EQUIPMENT BONDING JUMPER FOR SEPARATELY DERIVED SYSTEMS PER NEC 250.86 (PROVIDE CONDUCTOR GROUND BELOW INSTEAD OF FEEDER GROUND FOR)			
THREE PHASE 4-WIRE SYSTEMS INDICATED ABOVE/UND			
125YS THRU 100YS	6		
175YS THRU 200YS	4		
225YS THRU 300YS	2		
350YS THRU 500YS	1/0		
600YS THRU 700YS	2/0		
800YS THRU 5000YS	3/0		
THREE PHASE FOUR WIRE 200% NEUTRAL & GROUND FEEDER			
100Y-E	3#2, 1#4/0 NEUTRAL	6	2"
150Y-E	3#2/0, 2#2/0 NEUT.	6	2"
225Y-E	3-250 KCMIL	4	2 1/2"
350Y-E	(2) 3#3/0	(2) 2	(2) 2 1/2"
400Y-E	(2) 3#4/0	(2) 2	(2) 2 1/2"
500Y-E	(2) 3-350 KCMIL	(2) 2	(2) 3"

VOLTAGE DROP CALCULATIONS

Project: CURRY COUNTY LIVESTOCK PAVILION
Project No: 8734
Estimator: JIMMIE BORTOLU
Calc by: DLC
Date: 14-Jun-23

Maximum voltage drop for a Branch Circuit shall be less than 3% (NEC 210.19.A, FPN 4).
Maximum voltage drop for a Feeder shall be less than 3% (NEC 215.2, FPN 2).
Maximum combined voltage drop for a Feeder and Branch shall be less than 5%.
Source: 2020 NEC

Run Feeder or Branch Circuit Run	Type of Circuit	Voltage	Phase	Conductor Material	Length (ft)	Size	Load Current (Amps)	Parallel Runs	Load on Feeder	Resistance	Voltage Drop	End Voltage	% Voltage Drop
1 UTILITY TO MSD	Feeder	208.00	3	C	10	600	1600	4	400	0.021	6.15	207.85	0.07%
2 MSB TO L1A	Feeder	208.00	3	C	30	600	400	1	400	0.021	0.44	207.56	0.21%
3 MSB TO L2A	Feeder	208.00	3	C	30	600	400	1	400	0.021	0.44	207.56	0.21%
4 MSB TO MA	Feeder	208.00	3	C	30	600	400	1	400	0.021	0.44	207.56	0.21%
5 MSB TO L1C	Feeder	208.00	3	C	30	410	225	1	225	0.061	0.71	207.29	0.34%
6 MSB TO DPL	Feeder	208.00	3	C	250	600	800	2	400	0.021	3.71	204.29	1.78%
7 DPL TO L1B	Feeder	208.00	3	C	20	600	400	1	400	0.021	0.30	207.70	0.14%
8 DPL TO L2B	Feeder	208.00	3	C	20	600	400	1	400	0.021	0.30	207.70	0.14%
9 DPL TO M1B	Feeder	208.00	3	C	20	600	400	1	400	0.021	0.30	207.70	0.14%
10 DPL TO L1D	Feeder	208.00	3	C	20	410	225	1	225	0.061	0.47	207.53	0.23%
11 MSB TO T1A	Feeder	208.00	3	C	20	1	125	1	125	0.154	0.87	207.33	0.32%
12 T1A TO H1A	Feeder	480.00	3	C	15	2	100	1	100	0.194	0.50	478.50	0.11%
13 H1A TO H1B	Feeder	480.00	3	C	262	2	60	1	60	0.194	5.28	474.72	1.10%
14													
15 UTILITY TO PL1	Feeder	240.00	3	C	15	600	300	1	300	0.021	0.17	239.83	0.07%
16 UTILITY TO PL2	Feeder	240.00	3	C	15	600	300	1	300	0.021	0.17	239.83	0.07%
17 UTILITY TO RP	Feeder	208.00	3	C	25	600	300	1	300	0.021	0.28	207.72	0.13%

Electrical Service Calc - Curry County Pavilion - Project #8734

Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting Interior	34	100%	29	125%	37	1.2
Lighting Exterior		100%	0	125%	0	
Receptacle	602	100%	256	51%	256	First 100VA @ 100% Remainder @ 50%
Largest Motor	8	125%	9	100%	9	
All other Motors	135	100%	135	100%	135	
Non-coincident loads	35	100%	35	100%	35	
Subtotal of loads KVA	715		400		472.0	
			Future Capacity	20%	95	
			Total Service Load KVA		568	
			Voltage of Service (208/240)		13,760	
			Total Service Ampacity		1570	1000A

62,254 Sq. Ft. 0.54 watt/sq ft for lighting loads = 33,800 VA
 42,254 Sq. Ft. 0.80 watt/sq ft for exterior lighting load = 30,000 VA
 42,254 Sq. Ft. 0.80 watt/sq ft for receptacle loads = 50,000 VA
 42,254 Sq. Ft. 0.38 watt/sq ft for non-coincident loads = 16,100 VA
 42,254 Sq. Ft. 0.60 watt/sq ft for motor loads = 0 VA
 11,422 load Watts per Sq Ft

NOTES:
 1. Meets required New Mexico State energy requirement.
 2. NEC required additional space settings, etc. @ 8
 3. Occupancy/Energy sensors were utilized where appropriate for control to meet requirements of NEC.
 Along with dual switching in each large room.

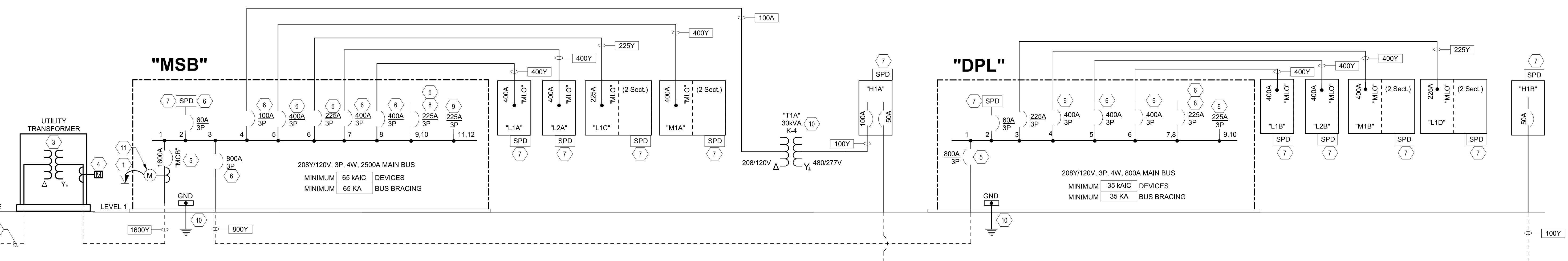
D2 ELECTRICAL VOLTAGE DROP CALCULATION
NO SCALE

D4 ELECTRICAL SERVICE CALCULATION
NO SCALE

KNOWN FAULT INFORMATION				SECOND TRANSFORMER IN SYSTEM (DRY-TYPE)				FEEDER BRANCH CIRCUIT CALCULATION								RESULT						
Fault Point	Equipment	Source of Fault	Available Fault Current	Voltage	PHASE	XFMR Size (kVA)	Secondary Voltage	Xfmr e (Ohms)	Xfmr Impedenc e (user input)	T factor	"M" factor	Conductor Type	Conductor Size	3 single conductor	Conduit	Number of sets	Length to fault	"C" value	"T" factor	"M" factor	Available Short Circuit Current at Fault	
F1	MSB	UTILITY	52000	208	3							C	600	Y	P	4	10	28033	0.039	0.963	50069	
F2	L1A	MSB	50069	208	3							C	600	Y	S	1	30	22965	0.544	0.648	32428	
F3	L2A	MSB	50069	208	3							C	600	Y	S	1	30	22965	0.544	0.648	32428	
F4	L1C	MSB	50069	208	3							C	410	Y	S	1	30	15082	0.828	0.547	27385	
F5	M1A	MSB	50069	208	3							C	600	Y	S	1	30	22965	0.544	0.648	32428	
F6	DPL	MSB	50069	208	3							C	600	Y	P	2	250	28033	1.857	0.350	17526	
F7	L1B	DPL	17526	208	3							C	600	Y	S	1	20	22965	0.127	0.887	15551	
F8	L2B	DPL	17526	208	3							C	600	Y	S	1	20	22965	0.127	0.887	15551	
F9	M1B	DPL	17526	208	3							C	600	Y	S	1	20	22965	0.127	0.887	15551	
F10	L1D	DPL	17526	208	3							C	410	Y	S	1	20	15082	0.193	0.838	14687	
F11	PR1 - T1A	MSB	50069	208	3							C	1	Y	S	1	20	7293	1.142	0.467	23375	
F12	SEC-T1A	PR1-T1A	23375	480	3	30	480	1.00		6.48	0.134										3126	
F13	H1A	SEC-T1A	3126	480	3							C	2	Y	S	1	15	5907	0.029	0.972	3039	
F14	H1B	H1A	3039	480	3							C	2	Y	P	1	262	6044	0.475	0.678	2061	
F15	EXTERIOR PLAZA																					
F16	PL1	UTILITY-6	29600	240	3							C	350	Y	P	1	15	22737	0.141	0.877	25948	
F17	PL2	UTILITY-7	49400	240	3							C	350	Y	P	1	15	22737	0.235	0.810	40003	
F18	RP	UTILITY-1	52000	208	3							C	600	Y	P	1	25	28033	0.386	0.722	37526	

C2 FAULT CURRENT CALCULATION
NO SCALE

B1 COPPER FEEDER SCHEDULE
NO SCALE



A1 ELECTRICAL ONE LINE DIAGRAM
NO SCALE

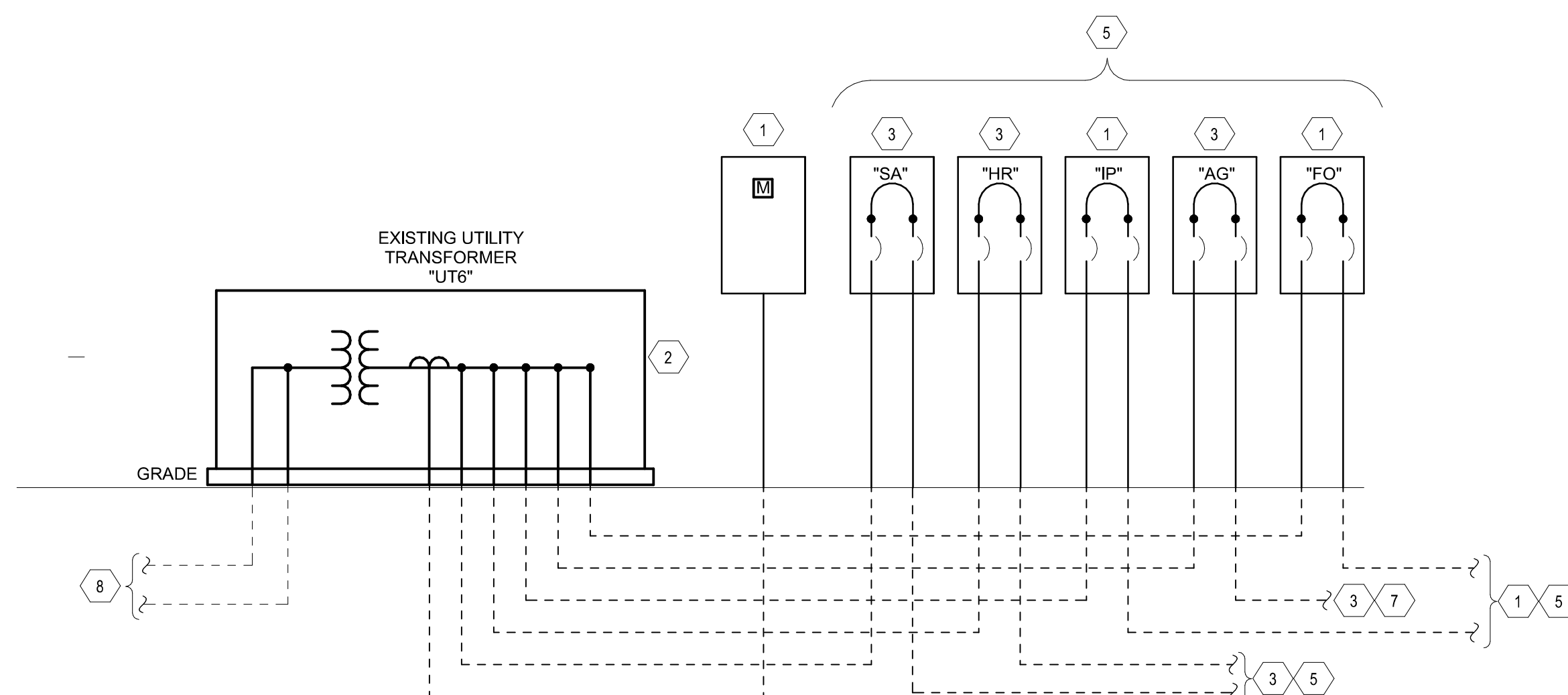
REVISIONS

GENERAL SHEET NOTES

- A. PANELBOARD AIC RATINGS ARE INDICATED ON THE PANEL SCHEDULES.
- B. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS.
- C. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING EQUIPMENT AND INSTALLATION. NOT ALL INFORMATION IS SHOWN ON THIS DIAGRAM.
- D. ALL PANELS WILL HAVE DOOR-IN-DOOR, EACH DOOR KEY LOCKABLE ACCESSIBILITY FOR EACH PANEL.
- E. CONTRACTOR WILL MEASURE AND TORQUE ALL PANEL FEEDERS, MEASURE RESISTANCE TO GROUND AT SERVICE GROUND AND PROVIDE WRITTEN DOCUMENTATION OF TEST RESULTS. CONTRACTOR WILL COORDINATE TIME SO THAT SCHOOL REPRESENTATIVE IS PRESENT DURING TEST.
- F. CONTRACTOR WILL LABEL ALL DISTRIBUTION EQUIPMENT PRIOR TO FINAL OBSERVATION WALK THROUGH.
- G. REFER TO GROUNDING DIAGRAM ON SHEET E-602.
- H. ALL ELECTRICAL EQUIPMENT DIRECTORIES WILL BE TYPED.
- I. ALL DISTRIBUTION BOARDS SHALL BE PROVIDED WITH BUS BARS THAT EXTEND THROUGH THE LENGTH OF THE EQUIPMENT WITH PROVISIONS THAT WILL ALLOW THE OWNER TO ADD OVERCURRENT PROTECTION IN THE FUTURE.

SHEET KEYNOTES

- 1. EXISTING SECONDARY ELECTRICAL DISTRIBUTION EQUIPMENT AND METERMETER ENCLOSURE WILL REMAIN AS PRESENTLY INSTALLED.
- 2. EXISTING UTILITY TRANSFORMER TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
- 3. REMOVE EXISTING ELECTRICAL EQUIPMENT WITH THE REMOVAL OF THE BARN OR BUILDING IT SERVES. REMOVE FEEDER BACK TO SOURCE OF UTILITY TRANSFORMER.
- 4. ELECTRICAL EQUIPMENT SERVICES: COMMERCIAL BUILDING "CB", SWINE BARN "SW", DAIRY BARN "D", BEEF BARN "B", SHEEP AND COAT BARN "SS", AND POULTRY AND RABBITS "PR".
- 5. ELECTRICAL EQUIPMENT SERVICES: SHOW ARENA "SA", HORSE BARN / RESTROOM "HR", INDOOR PAVILION "IP", AGRICULTURE BUILDING "AG", AND FAIR OFFICE BUILDING "FO".
- 6. ELECTRICAL EQUIPMENT SERVICES: TWO PANELS IN TRIMMING BARN "TB1" AND "TB2". REFER TO GG.1 FOR BID LOT INFORMATION. "AG" BUILDING IS PART OF A BID LOT. IT IS TO BE REMOVED, BUT IF BID LOT IS NOT ACCEPTED, THIS BUILDING AND ELECTRICAL DISTRIBUTION TO STAY AS PRESENTLY INSTALLED.
- 8. EXISTING UNDERGROUND PRIMARY DISTRIBUTION WILL REMAIN AS PRESENTLY INSTALLED.

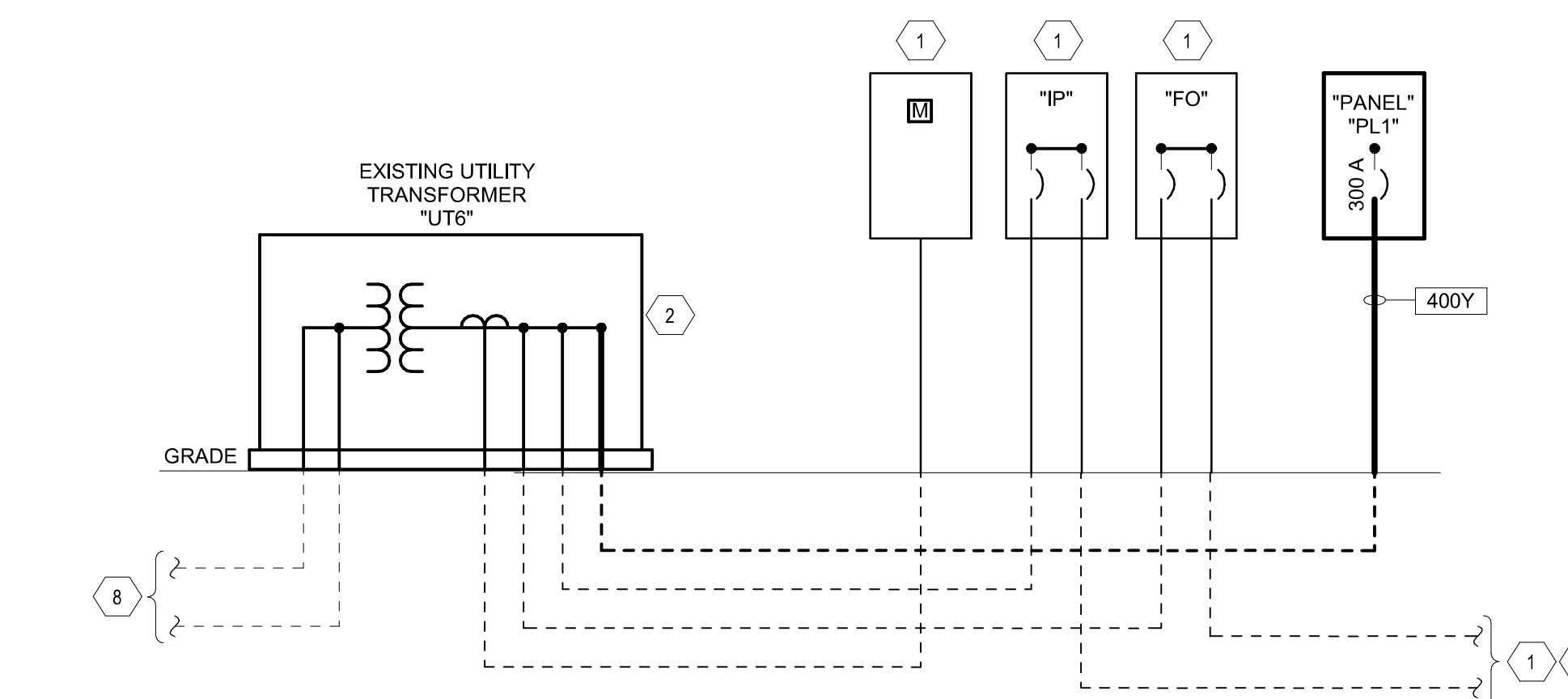


D1 ELECTRICAL ONE LINE DIAGRAM DEMOLITION UT-6
NO SCALE

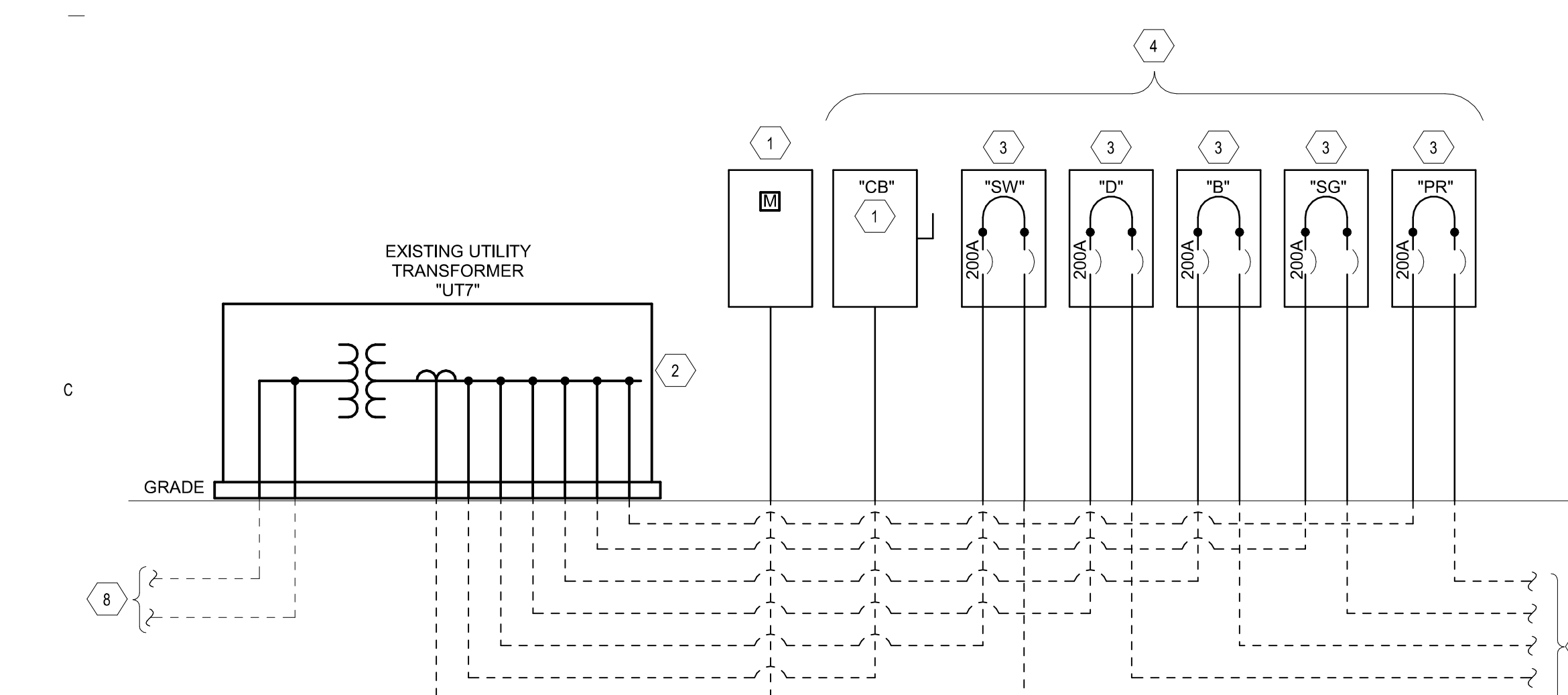
Electrical Service Calc.-UT6 at Curry County Fair Grounds - Project #8734.

Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting Exterior	3	100%	3	125%	4	
Non-continuous loads	43	100%	43	100%	43	
Existing Peak KW per Xcel Energy - ????????	25	125%	31	100%	31	
Subtotal of loads KVA	71		77		78.0	
Future Capacity				20%	16	
Total Service load KVA					94	
Voltage of Service (240/120V-1PH)					0.240	
Total Service Ampacity					390	
62,554 Sq. Ft.	0.65 watts/sq. ft.				3,400 VA	
62,554 Sq. Ft.	0.68 watts/sq. ft.				42,500 VA	
	0.73 total Watts per Sq. ft.					

D3 ELECTRICAL SERVICE CALCULATION UT-6
NO SCALE



D4 ELECTRICAL ONE LINE DIAGRAM PL1 PANEL
NO SCALE

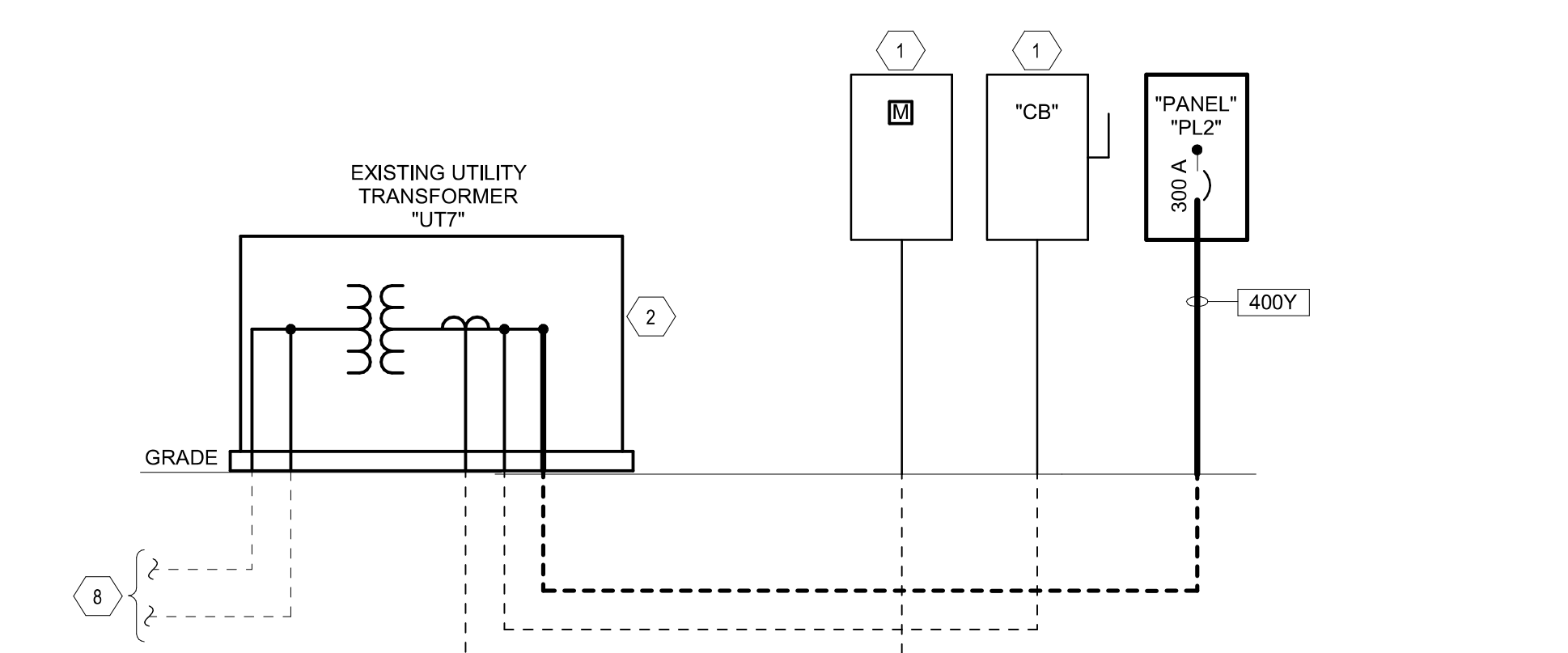


C1 ELECTRICAL ONE LINE DIAGRAM DEMOLITION UT-7
NO SCALE

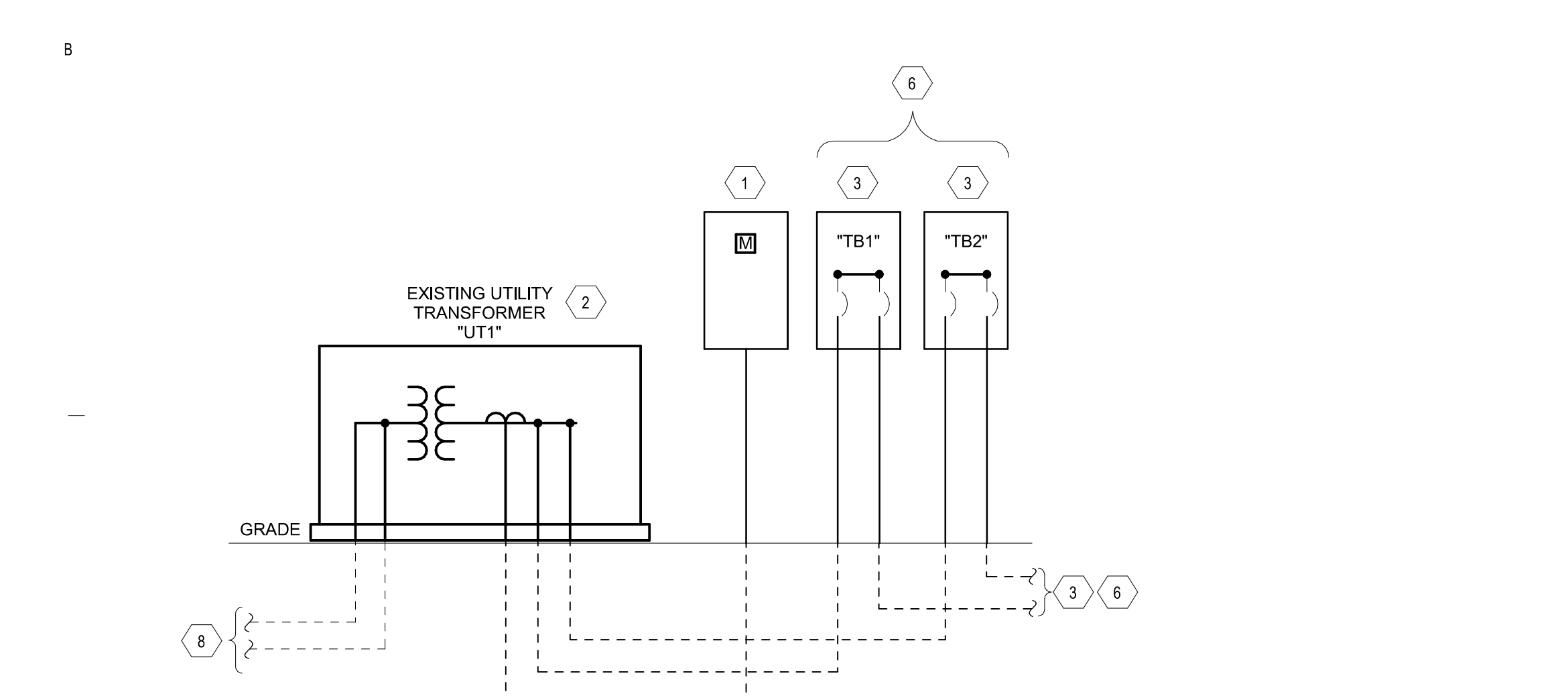
Electrical Service Calc.-UT7 at Curry County Fair Grounds - Project #8734.

Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Non-continuous loads	43	100%	43	100%	43	
Existing Peak KW per Xcel Energy - ????????	50	125%	63	100%	63	
Subtotal of loads KVA	93		106		105.0	
Future Capacity				20%	21	
Total Service load KVA					126	
Voltage of Service (240/120V-1PH)					0.240	
Total Service Ampacity					525	
62,554 Sq. Ft.	0.60 watts/sq. ft.				0 VA	
62,554 Sq. Ft.	0.68 watts/sq. ft.				42,500 VA	
	0.68 total Watts per Sq. ft.					

C3 ELECTRICAL SERVICE CALCULATION UT-7
NO SCALE



C4 ELECTRICAL ONE LINE DIAGRAM PL2 PANEL
NO SCALE

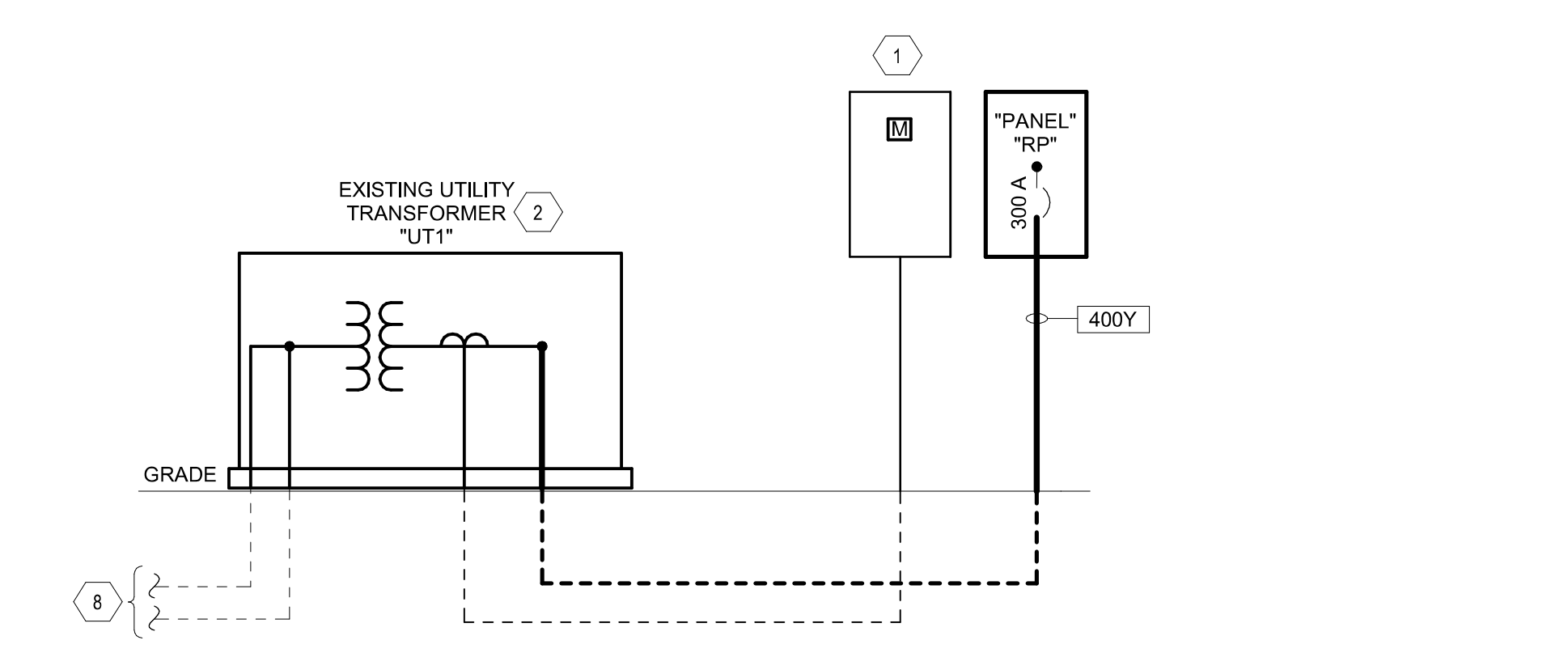


A1 ELECTRICAL ONE LINE DIAGRAM DEMOLITION "RP" PANEL
NO SCALE

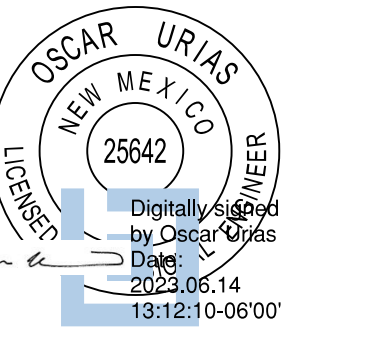
Electrical Service Calc.-UT1 at Curry County Fair Grounds - Project #8734.

Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting Exterior	2	100%	2	125%	2	
Non-continuous loads	43	100%	43	100%	43	
Existing Peak KW per Xcel Energy - ????????	100	125%	125	100%	125	
Subtotal of loads KVA	144		160		169.0	
Future Capacity				20%	34	
Total Service load KVA					204	
Voltage of Service (208-3PH)					0.360	
Total Service Ampacity					565	1800A
62,554 Sq. Ft.	0.83 watts/sq. ft.				1,700 VA	
62,554 Sq. Ft.	0.68 watts/sq. ft.				42,500 VA	
	0.73 total Watts per Sq. ft.					

A3 ELECTRICAL SERVICE CALCULATION UT-1
NO SCALE



A4 ELECTRICAL ONE LINE DIAGRAM NEW "RP" PANEL
NO SCALE



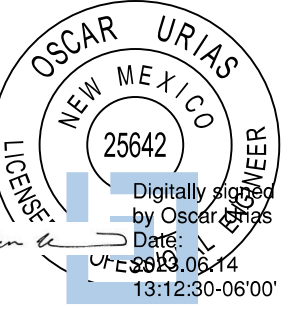
REVISIONS

NO.	DESCRIPTION	DATE

NOTES

DRAWN BY: DLG
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003

NORTH + SCALE



LUMINAIRE SCHEDULE NOTES:

- MANUFACTURERS CATALOG NUMBERS REPRESENT MANUFACTURER SERIES. SHOP DRAWING SUBMITTALS WILL INCLUDE ALL PART NUMBERS REPRESENTING ALL ITEMS OF THIS LUMINAIRE SCHEDULE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER LUMINAIRES TO INCLUDE ALL PARTS INDICATED ON SCHEDULE FOR EACH LUMINAIRE. SUBMITTAL WILL CALL OUT EACH PART CLEARLY.
- LUMINAIRE REQUIRES MOUNTING COORDINATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. THIS LUMINAIRE MAY REQUIRE A HIGHER OR LOWER MOUNTING FROM THAT PROVIDED ON THIS SCHEDULE OR NOTES ON PLAN DUE TO ARCHITECTURAL REQUIREMENTS OR CONSTRUCTION CONDITIONS.
- ALL LUMINAIRES ON THIS LUMINAIRE SCHEDULED ARE APPROVED FOR BID ON THIS PROJECT. IF A LUMINAIRE IS SUBMITTED THAT IS NOT ON THIS SCHEDULE IT WILL BE REJECTED.

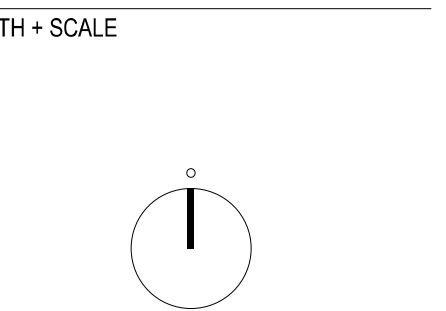
ELECTRICAL LUMINAIRE SCHEDULE								
TYPE	DESCRIPTION	VOLTS	MOUNTING	LED DRIVER & LAMPS	EM. BAT. PK.	LENS	MANUFACTURER / MODEL	NOTES
B1	4' GENERAL PURPOSE LED STRIP FIXTURE, DIE FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, WITH DIFFUSING LENS.	277 OR 120 MULTI TAP (UNV.)	MOUNTED TO TOP OF SURFACE OF STRUCTURE TO LIGHT UP IN CLERESTORY.	LED, 3500K, 30 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS	NONE	FROSTED ACRYLIC	DAY-BRITE #FSS-4-55L-835-UNV-DIM	1,2,3,4
B2	8' GENERAL PURPOSE LED STRIP FIXTURE, DIE FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, WITH DIFFUSING LENS.	277 OR 120 MULTI TAP (UNV.)	MOUNTED TO TOP OF SURFACE OF STRUCTURE TO LIGHT UP IN CLERESTORY	LED, 3500K, 109 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS	NONE	FROSTED ACRYLIC	DAY-BRITE #FSS-8-60L-835-UNV-DIM	1,2,3,4
BE	4' GENERAL PURPOSE LED STRIP FIXTURE, DIE FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, WITH DIFFUSING LENS.	277 OR 120 MULTI TAP (UNV.)	WALL MOUNTED AT 8'-0" AFF OR SURFACE MOUNTED TO CEILING OR STEM MOUNTED SO BOTTOM OF FIXTURE IS AT 10'-0".	LED, 3500K, 30 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS	INTEGRAL UL924 NICAD BATTERY	FROSTED ACRYLIC	DAY-BRITE #FSS-4-55L-835-UNV-DIM-EMLED	1,2,3,4
BH	16" ROUND HIGH BAY LED LIGHT, DIE-CAST ALUMINUM HOUSING AND WET LOCATION RATED, HIGH ENERGY EFFICIENT.	277 OR 120 MULTI TAP (UNV.)	MOUNTED 1'-00" BELOW CEILING STRUCTURE AT EACH LOCATION.	LED, 3500K, 195 MAX WATTS, 28000 MINIMUM DELIVERED LUMENS	NONE	FROSTED GLASS LENS	ILP# RB4-28L-U-CCTS-BLK-FRL	1,3,4
BHE	16" ROUND HIGH BAY LED LIGHT, DIE-CAST ALUMINUM HOUSING AND WET LOCATION RATED, HIGH ENERGY EFFICIENT.	277 OR 120 MULTI TAP (UNV.)	MOUNTED 1'-00" BELOW CEILING STRUCTURE AT EACH LOCATION.	LED, 3500K, 195 MAX WATTS, 28000 MINIMUM DELIVERED LUMENS	NICKEL CADMIUM PER MFG.	FROSTED GLASS LENS	ILP# RB4-28L-U-CCTS-BLK-FRL-EM/D	1,3,4
E1	LED EXIT SIGN, EMERGENCY, THERMAL PLASTIC HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (SINGLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS), MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE, WITH SELF-CONTAINED, NICKEL-CADIUM EMERGENCY BATTERY PACK.	277 OR 120 MULTI TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS	GREEN LED, 3 MAX WATTS	NICKEL CADMIUM PER MFG.	PER MANUFACTURER'S SPECIFICATIONS	EELP# XES2GB-EM	1,3,4
EM	CONTEMPORARY, LOW PROFILE EMERGENCY BATTERY PACK FIXTURE WITH AN INJECTED MOLDED, HIGH IMPACT, UV STABILIZED THERMOPLASTIC HOUSING, 6V LEAD CALCIUM BATTERY, ADA COMPLIANT, ADJUSTABLE LAMP SOCKETS, SHORT CIRCUIT AND BROWNOUT PROTECTION.	277 OR 120 MULTI TAP (UNV.)	SURFACE AT 8'-00" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS	(2) TWO LED, 4 MAX WATTS	NICKEL CADMIUM PER MFG.	ACRYLIC FRESNAL	EELP# EM23-E-HO	1,3,4
FE	SLIM, LOW PROFILE, FULLY GASKETED DIE CAST ENCLOSURE, IP65 WET LOCATION RATED, HIGH IMPACT UV RESISTANT POLYCARBONATE LENS, FULL CUT OFF, COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES, MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	277 OR 120 MULTI TAP (UNV.)	WALL SURFACE MOUNTED AS INDICATED ON SHEET SERIES A-2.0, MINIMUM 12'-0" AFF.	LED, 4000K, 30 MAX WATTS, 2900 MINIMUM DELIVERED LUMENS	NICKEL CADMIUM PER MFG.	IMPACT RESISTANT UV RESISTANT POLYCARBON	ALS# WFA-3-40-DB-UD-EMB-14W	1,3,4
L1R	EXTRUDED ALUMINUM 3.5" WIDE x 4'-0" LENGTH DIRECT RECESSED MOUNTED LINEAR STATIC WHITE LED LUMINAIRE, EXTRA DIFFUSE LENS, DAMP RATED, COORDINATE FINISH WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	RECESSED IN CEILING	LED, 3500K, 26 MAX WATTS TOTAL, 700 MINIMUM DELIVERED LUMENS PER FOOT	NONE	FROSTED ACRYLIC	LUX# EOS4.0-R- FT-BAT-750-4-3500K-8-UNV-S1-X	1,3,4
L2R	EXTRUDED ALUMINUM 3.5" WIDE x 8'-0" LENGTH DIRECT RECESSED MOUNTED LINEAR STATIC WHITE LED LUMINAIRE, EXTRA DIFFUSE LENS, DAMP RATED, COORDINATE FINISH WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	RECESSED IN CEILING	LED, 3500K, 55 MAX WATTS TOTAL, 700 MINIMUM DELIVERED LUMENS PER FOOT	NONE	FROSTED ACRYLIC	LUX# EOS4.0-R- FT-ASY-750-8-3500K-8-UNV-S1-X	1,3,4
L2RE	EXTRUDED ALUMINUM 3.5" WIDE x 8'-0" LENGTH DIRECT RECESSED MOUNTED LINEAR STATIC WHITE LED LUMINAIRE, EXTRA DIFFUSE LENS, DAMP RATED, COORDINATE FINISH WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	RECESSED IN CEILING	LED, 3500K, 55 MAX WATTS TOTAL, 700 MINIMUM DELIVERED LUMENS PER FOOT	NICKEL CADMIUM PER MFG.	FROSTED ACRYLIC	LUX# EOS4.0-R- FT-ASY-750-8-3500K-8-UNV-S1-X-EB	1,3,4
L2S	EXTRUDED ALUMINUM 3.5" WIDE x 8'-0" LENGTH DIRECT SURFACED MOUNTED LINEAR STATIC WHITE LED LUMINAIRE, EXTRA DIFFUSE LENS, WET RATED, COORDINATE FINISH WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	MOUNTED SURFACE TO STRUCTURE	LED, 3500K, 75 MAX WATTS TOTAL, 700 MINIMUM DELIVERED LUMENS PER FOOT	NONE	FROSTED ACRYLIC	PINNACLE #EX3-WET-N-835HO-8-S-U-FSD-1-0-X	1,3,4
L2SE	EXTRUDED ALUMINUM 3.5" WIDE x 8'-0" LENGTH DIRECT SURFACED MOUNTED LINEAR STATIC WHITE LED LUMINAIRE, EXTRA DIFFUSE LENS, WET RATED, COORDINATE FINISH WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	MOUNTED SURFACE TO STRUCTURE	LED, 3500K, 75 MAX WATTS TOTAL, 700 MINIMUM DELIVERED LUMENS PER FOOT	NICKEL CADMIUM PER MFG.	FROSTED ACRYLIC	PINNACLE #EX3-WET-N-835HO-8-S-U-FSD-1-2FSB-X	1,3,4
L3R	EXTRUDED ALUMINUM 3.5" WIDE x 12'-0" LENGTH DIRECT RECESSED MOUNTED LINEAR STATIC WHITE LED LUMINAIRE, EXTRA DIFFUSE LENS, DAMP RATED, COORDINATE FINISH WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	RECESSED IN CEILING	LED, 3500K, 85 MAX WATTS TOTAL, 700 MINIMUM DELIVERED LUMENS PER FOOT	NONE	FROSTED ACRYLIC	LUX# EOS4.0-R- FT-ASY-750-12-3500K-8-UNV-S1-X	1,3,4
S24	DOUBLE MOUNT ARCHITECTURAL AREA LIGHT, TYPE IV OPTICS, 16' SQUARE POLE, COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES, MUST BE B.U.G. RATING B4 U2 G2 OR BETTER. (PROVIDE IN POLE A RECEPTACLE FOR CAMERA POWER, REFER TO "T" SHEET SITE PLAN FOR ACTUAL CAMERA LOCATIONS.)	208 VOLTS	20'-0" SQUARE POLE	LED, 4000K, 136 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS	NONE	CLEAR ACRYLIC	GARDCO# ECF-S-32L-1A-NW-G2-AR-4-208-DD-FP2-X-SBRKT-RBH-L2-12-T2D4L	1,3,4
S44	QUAD MOUNT ARCHITECTURAL AREA LIGHT, TYPE IV OPTICS, 30' SQUARE POLE, COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES, MUST BE B.U.G. RATING B4 U2 G2 OR BETTER. (PROVIDE IN POLE A RECEPTACLE FOR CAMERA POWER, REFER TO "T" SHEET SITE PLAN FOR ACTUAL CAMERA LOCATIONS.)	208 VOLTS	20'-0" SQUARE POLE	LED, 4000K, 136 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS	NONE	CLEAR ACRYLIC	GARDCO# ECF-S-32L-1A-NW-G2-AR-4-208-DD-FP2-X-SBRKT-SPK-S4-12-T2D4L	1,3,4

REVISIONS

△	

NOTES

DRAWN BY: DLC
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003



DRAWING NAME
ELECTRICAL SCHEDULES

E-7.1

D:\Revtl_2023\Projects\8734_Curry County Livestock Pavilion_Dibawez\AKFP.rvt 6/14/2023 12:24:05 PM 8/14/2023 12:24:05 PM 8/14/2023 12:24:05 PM

Branch Panel: L1D

Location: ELEC 104
Supply From: DPL
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 84

MINIMUM A.I.C. Rating: 15,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC MENS TOILET ROOM 102	20 A	1	720 VA	360 VA			1	20 A REC LIVESTOCK PAVILION 106	2	
3	REC WOMENS TOILET ROOM 105	20 A	1		720 VA	1000 VA		1	20 A NC FIRE RISER 108 ELECTRIC BELL	4	
5	REC EXTERIOR	20 A	1			720 VA	900 VA	1	20 A REC LIVESTOCK PAVILION 106	6	
7	NC MENS TOILET ROOM 102 HANDDRYER	20 A	1	1500 VA	540 VA			1	20 A REC LIVESTOCK PAVILION 106	8	
9	NC MENS TOILET ROOM 102 HANDDRYER	20 A	1		1500 VA	1500 VA		1	20 A NC MENS TOILET ROOM 102 HANDDRYER	10	
11	NC MENS TOILET ROOM 102 HANDDRYER	20 A	1		1500 VA	1500 VA		1	20 A NC MENS TOILET ROOM 102 HANDDRYER	12	
13	SPARE	20 A	1	0 VA	1500 VA			1	20 A NC MENS TOILET ROOM 102 HANDDRYER	14	
15	SPARE	20 A	1		0 VA	200 VA		1	20 A NC IT 103 FACP	16	
17	NC WOMENS TOILET ROOM 105 HANDDRYERS	20 A	1			1500 VA	500 VA	1	20 A NC VESTIBULE 101 WATER COOLERS	18	
19	NC WOMENS TOILET ROOM 105 HAND DRYER	20 A	1	1500 VA	1500 VA			1	20 A NC WOMENS TOILET ROOM 105 HANDDRYERS	20	
21	NC WOMENS TOILET ROOM 105 HANDDRYER	20 A	1		1500 VA	1500 VA		1	20 A NC WOMENS TOILET ROOM 105 HANDDRYERS	22	
23	SPARE	20 A	1			0 VA	1500 VA	1	20 A NC WOMENS TOILET ROOM 105 HANDDRYER	24	
25	NC VESTIBULE 101 WATER COOLERS	20 A	1	500 VA	0 VA			1	20 A SPARE	26	
27	NC IT 103 IT EQUIPMENT	20 A	1		500 VA	0 VA		1	20 A SPARE	28	
29	NC IT 103 IT EQUIPMENT	20 A	1			500 VA	180 VA	1	20 A MTR JANITOR CLOSET 111 EQP RCP-1	30	
31	NC IT 103 IT EQUIPMENT	20 A	1	680 VA	360 VA			1	20 A MTR JANITOR CLOSET 107	32	
33	NC IT 103 IT EQUIPMENT	20 A	1		500 VA	360 VA		1	20 A REC VESTIBULE 101	34	
35	NC IT 103 IT EQUIPMENT	20 A	1			500 VA	3000 VA	2	40 A NC JANITOR CLOSET 107 EQP EWH-1	36	
37	REC LIVESTOCK PAVILION 106 QUAD	20 A	1	360 VA	3000 VA			--	--	38	
39	REC LIVESTOCK PAVILION 106 QUAD	20 A	1		360 VA	516 VA		1	20 A MTR NITROGEN GENERATOR FIRE RISER 108	40	
41	REC LIVESTOCK PAVILION 106 QUAD	20 A	1				360 VA	0 VA	1	20 A SPARE	42
43	REC LIVESTOCK PAVILION 106 QUAD	20 A	1	360 VA	0 VA			1	20 A SPARE	44	
45	REC LIVESTOCK PAVILION 106 QUAD	20 A	1		360 VA	0 VA		1	20 A SPARE	46	
47	REC LIVESTOCK PAVILION 106 QUAD	20 A	1			360 VA	0 VA	1	20 A SPARE	48	
49	REC LIVESTOCK PAVILION 106 QUAD	20 A	1	360 VA	0 VA			1	20 A SPARE	50	
51	REC LIVESTOCK PAVILION 106 QUAD	20 A	1		360 VA	0 VA		1	20 A SPARE	52	
53	REC LIVESTOCK PAVILION 106 QUAD	20 A	1			360 VA	0 VA	1	20 A SPARE	54	
55	SPARE	20 A	1	0 VA	0 VA			1	20 A SPARE	56	
57	SPARE	20 A	1		0 VA	0 VA		1	20 A SPARE	58	
59	SPARE	20 A	1			0 VA	0 VA	1	20 A SPARE	60	
61	SPARE	20 A	1	0 VA	0 VA			1	20 A SPARE	62	
63	SPARE	20 A	1		0 VA	--		1	-- SPARE ONLY	64	
65	SPARE	20 A	1			0 VA	--	1	-- SPARE ONLY	66	
67	SPARE	20 A	1	0 VA	--			1	-- SPARE ONLY	68	
69	SPARE	20 A	1		0 VA	--		1	-- SPARE ONLY	70	
71	SPARE	20 A	1			0 VA	--	1	-- SPARE ONLY	72	
73	SPARE	20 A	1	0 VA	--			1	-- SPARE ONLY	74	
75	SPARE	20 A	1		0 VA	--		1	-- SPARE ONLY	76	
77	SPARE	20 A	1		--	0 VA	--	1	-- SPARE ONLY	78	
79	SPARE	20 A	1	0 VA	--			1	-- SPARE ONLY	80	
81	SPACE ONLY	--	1		--	--	--	1	-- SPARE ONLY	82	
83	SPACE ONLY	--	1		--	--	--	1	-- SPARE ONLY	84	
				Total Load:	13240 VA	10876 VA	13380 VA				
				Total Amps:	113 A	91 A	115 A				

Legend:	Connected Load	Demand Factor	Estimated Demand	Panel Totals
MTR	696 VA	100.00%	696 VA	
NC	26700 VA	100.00%	26700 VA	Total Conn. Load: 37496 VA
REC	6100 VA	100.00%	6100 VA	Total Est. Demand: 37496 VA
				Total Conn. Current: 104 A
				Total Est. Demand Current: 104 A

Branch Panel: L1B

Location: ELEC 104
Supply From: DPL
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

MINIMUM A.I.C. Rating: 18,000
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC LIVESTOCK PAVILION EQP SP-1	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-2	2	
3	--	--	--	--	4500 VA	4500 VA		--	--	4	
5	--	--	--	--		4500 VA	4500 VA	--	--	6	
7	REC LIVESTOCK PAVILION EQP SP-3	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-4	8	
9	--	--	--	--	4500 VA	4500 VA		--	--	10	
11	--	--	--	--		4500 VA	4500 VA	--	--	12	
13	REC LIVESTOCK PAVILION EQP SP-5	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-6	14	
15	--	--	--	--	4500 VA	4500 VA		--	--	16	
17	--	--	--	--		4500 VA	4500 VA	--	--	18	
19	REC LIVESTOCK PAVILION EQP SP-7	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-8	20	
21	--	--	--	--	4500 VA	4500 VA		--	--	22	
23	--	--	--	--		4500 VA	4500 VA	--	--	24	
25	REC LIVESTOCK PAVILION EQP SP-9	100 A	3	4500 VA	0 VA			1	20 A SPARE	26	
27	--	--	--	--	4500 VA	0 VA		1	20 A SPARE	28	
29	--	--	--	--		4500 VA	0 VA	3	100 A SPARE	30	
31	SPARE	100 A	3	0 VA	0 VA			--	--	32	
33	--	--	--	--	0 VA	0 VA		--	--	34	
35	--	--	--	--		0 VA	0 VA	1	20 A SPARE	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:	40500 VA	40500 VA	40500 VA				
				Total Amps:	338 A	338 A	338 A				

Legend:	Connected Load	Demand Factor	Estimated Demand	Panel Totals
REC	121500 VA	54.12%	65750 VA	
				Total Conn. Load: 121500 VA
				Total Est. Demand: 65750 VA
				Total Conn. Current: 337 A
				Total Est. Demand Current: 183 A

Branch Panel: L1C

Location: ELEC 114
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 84

MINIMUM A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC LIVESTOCK PAVILION 106 QUAD	20 A	1	360 VA	360 VA			1	20 A REC LIVESTOCK PAVILION 106 QUAD	2	
3	REC LIVESTOCK PAVILION 106	20 A	1		360 VA	360 VA		1	20 A REC PAVILION ROOMS 115, 106	4	
5	REC EXTERIOR	20 A	1			1260 VA	1440 VA	1	20 A REC ROOMS 122, 121, 120	6	
7	REC OFFICE 120	20 A	1	1080 VA	270 VA			1	20 A EQP DAMPERS	8	
9	REC LIVESTOCK PAVILION 106 QUAD	20 A	1		360 VA	270 VA		1	20 A EQP DAMPERS	10	
11	REC LIVESTOCK PAVILION 106 QUAD	20 A	1			360 VA	1000 VA	1	20 A NC IT 118	12	
13	REC LIVESTOCK PAVILION 106 QUAD	20 A	1	360 VA	1000 VA			1	20 A NC IT 118	14	
15	CON IT 113	20 A	1		1600 VA	1500 VA		1	20 A NC OFFICE 117 FAA	16	
17	REC OFFICE 117	20 A	1			1080 VA	1000 VA	1	20 A NC FIRE RISER 118 ELECTRIC BELL	18	
19	NC IT 113	20 A	1	1500 VA	200 VA			1	20 A NC IT 118 FATC	20	
21	NC IT 113	20 A	1		1600 VA	200 VA		1	20 A NC OFFICE 117	22	
23	SPARE	20 A	1			0 VA	360 VA	1	20 A REC LIVESTOCK PAVILION 106 QUAD	24	
25	NC IT 113	20 A	2	400 VA	360 VA			1	20 A REC LIVESTOCK PAVILION 106 QUAD	26	
27	--	--	--	--	400 VA	360 VA		1	20 A REC LIVESTOCK PAVILION 106 QUAD	28	
29	NC IT 113	20 A	2			400 VA	360 VA	1	20 A REC LIVESTOCK PAVILION 106 QUAD	30	
31	--	--	--	--	400 VA	516 VA		1	20 A MTR NITROGEN GENERATOR	32	
33	REC LIVESTOCK PAVILION 106 QUAD	20 A	1		360 VA	0 VA		1	20 A SPARE	34	
35	SPARE	20 A	1			0 VA	0 VA	1	20 A SPARE	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	
43	SPARE	20 A	1	0 VA	0 VA			1	20 A SPARE	44	
45	SPARE	20 A	1			0 VA	0 VA	1	20 A SPARE	46	
47	SPARE	20 A	1			0 VA	0 VA	1	20 A SPARE	48	
49	SPARE	20 A	1	0 VA	0 VA			1	20 A SPARE	50	
51	SPARE	20 A	1			0 VA	0 VA	1	20 A SPARE	52	
53	SPARE	20 A	1			0 VA	0 VA	1	20 A SPARE	54	
55	SPARE	20 A	1	0 VA	0 VA			1	20 A SPARE	56	
57	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	58	
59	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	60	
61	SPACE ONLY	--	1	--	--	--	--	1	-- SPACE ONLY	62	
63	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	64	
65	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	66	
67	SPACE ONLY	--	1	--	--	--	--	1	-- SPACE ONLY	68	
69	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	70	
71	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	72	
73	SPACE ONLY	--	1	--	--	--	--	1	-- SPACE ONLY	74	
75	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	76	
77	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	78	
79	SPACE ONLY	--	1	--	--	--	--	1	-- SPACE ONLY	80	
81	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	82	
83	SPACE ONLY	--	1		--	--	--	1	-- SPACE ONLY	84	
				Total Load:	6806 VA	7370 VA	7260 VA				
				Total Amps:	57 A	62 A	61 A				

Legend:	Connected Load	Demand Factor	Estimated Demand	Panel Totals
MTR	1056 VA	100.00%	1056 VA	
NC	11560 VA	100.00%	11560 VA	Total Conn. Load: 21436 VA
REC	8620 VA	100.00%	8620 VA	Total Est. Demand: 21436 VA
				Total Conn. Current: 60 A
				Total Est. Demand Current: 60 A

Branch Panel: L1A

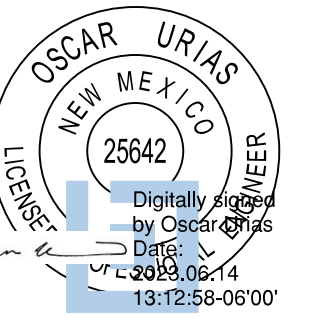
Location: ELEC 114
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

MINIMUM A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC LIVESTOCK PAVILION EQP SP-10	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-11	2
3	--	--	--	--	4500 VA	4500 VA		--	--	4
5	--	--	--	--		4500 VA	4500 VA	--	--	6
7	REC LIVESTOCK PAVILION EQP SP-12	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-13	8
9	--	--	--	--	4500 VA	4500 VA		--	--	10
11	--	--	--	--		4500 VA	4500 VA	--	--	12
13	REC LIVESTOCK PAVILION EQP SP-14	100 A	3	4500 VA	4500 VA			3	100 A REC LIVESTOCK PAVILION EQP SP-15	14
15	--	--	--	--	4500 VA	4500 VA		--	--	16
17	--	--	--	--		4500 VA	4500 VA	--	--	18
19	REC LIVESTOCK PAVILION EQP SP-16									



Branch Panel: PL1

Location: 120/240 Single
Supply From: MCB
Mounting: Surface
Enclosure: NEMA - 3R ENCLOSURE

Volts: 120/240 Single
Phases: 1
Wires: 3
Spaces: 42

MINIMUM A.I.C. Rating: 28,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 300 A

NOTES: 1. GFPE RATE BREAKERS FOR CIRCUITS 1,5,9,13,17, & 21 AND SWITCHABLE BREAKERS FOR CIRCUITS 2,4,6,8,20 & 22.
2. PROVIDE PLACARD FOR SWITCHING CIRCUITS AT EACH POLE FOR LIGHTING, RV/FOOD TRUCK, AND RECEPTACLE'S. PROVIDE PER 215.11 NATIONAL ELECTRICAL CODE.

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	NC EQP FT-1 FOOD TRUCK	50 A	2	4000 VA	1696 VA	2	20 A	EXT LTG PLAZA SITE LIGHTING	2	
3	--	--	--	--	4000 VA	0 VA	--	--	4	
5	NC EQP FT-2 FOOD TRUCK	50 A	2	4000 VA	1272 VA	2	20 A	EXT LTG PLAZA SITE LIGHTING	6	
7	--	--	--	--	4000 VA	0 VA	--	--	8	
9	NC EQP FT-3 FOOD TRUCK	50 A	2	4000 VA	500 VA	1	20 A	REC FT-1	10	
11	--	--	--	--	4000 VA	500 VA	1	20 A	REC FT-2	12
13	NC EQP FT-4 FOOD TRUCK	50 A	2	4000 VA	500 VA	1	20 A	REC FT-3	14	
15	--	--	--	--	4000 VA	500 VA	1	20 A	REC FT-4	16
17	NC EQP FT-5 FOOD TRUCK	50 A	2	4000 VA	500 VA	1	20 A	REC FT-5	18	
19	--	--	--	--	4000 VA	0 VA	1	20 A	SPARE	20
21	SPARE	50 A	2	0 VA	0 VA	1	20 A	SPARE	22	
23	--	--	--	--	0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA	1	20 A	SPARE	26	
27	SPARE	20 A	1	0 VA	0 VA	1	20 A	SPARE	28	
29	SPACE	--	1	--	0 VA	1	20 A	SPACE	30	
31	SPACE	--	1	--	0 VA	1	20 A	SPACE	32	
33	SPACE	--	1	--	0 VA	1	20 A	SPACE	34	
35	SPACE	--	1	--	0 VA	1	20 A	SPACE	36	
37	SPACE	--	1	--	0 VA	1	20 A	SPACE	38	
39	SPACE	--	1	--	0 VA	1	20 A	SPACE	40	
41	SPACE	--	1	--	0 VA	1	20 A	SPACE	42	
		Total Load:		24468 VA				21000 VA		
		Total Amps:		204 A				175 A		

Branch Panel: L2B

Location: ELEC 104
Supply From: DPL
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

MINIMUM A.I.C. Rating: 16,000
Mains Type: MLO
Mains Rating: 400 A

NOTES: 1. GFPE RATE BREAKERS FOR CIRCUITS 1,5,9,13,17, & 21 AND SWITCHABLE BREAKERS FOR CIRCUITS 2 & 4.
2. PROVIDE PLACARD FOR SWITCHING CIRCUITS AT EACH POLE FOR LIGHTING, RV/FOOD TRUCK, AND RECEPTACLE'S. PROVIDE PER 215.11 NATIONAL ELECTRICAL CODE.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC LIVESTOCK PAVILION EQP SP-28	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION EQP SP-29	2	
3	--	--	--	--	4500 VA	4500 VA	--	--	--	4	
5	--	--	--	--		4500 VA	4500 VA	--	--	6	
7	REC LIVESTOCK PAVILION EQP SP-30	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION EQP SP-31	8	
9	--	--	--	--	4500 VA	4500 VA	--	--	--	10	
11	--	--	--	--		4500 VA	4500 VA	--	--	12	
13	REC LIVESTOCK PAVILION EQP SP-32	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION EQP SP-33	14	
15	--	--	--	--	4500 VA	4500 VA	--	--	--	16	
17	--	--	--	--		4500 VA	4500 VA	--	--	18	
19	REC LIVESTOCK PAVILION EQP SP-34	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION EQP SP-35	20	
21	--	--	--	--	4500 VA	4500 VA	--	--	--	22	
23	--	--	--	--		4500 VA	4500 VA	--	--	24	
25	REC LIVESTOCK PAVILION EQP SP-36	100 A	3	4500 VA	0 VA		3	100 A	SPARE	26	
27	--	--	--	--	4500 VA	0 VA	--	--	--	28	
29	--	--	--	--		4500 VA	0 VA	--	--	30	
31	SPACE	100 A	3	0 VA	0 VA		1	20 A	SPACE	32	
33	--	--	--	--	0 VA	0 VA	1	20 A	SPACE	34	
35	--	--	--	--		0 VA	0 VA	1	20 A	SPACE	36
37	SPACE	20 A	1	0 VA	0 VA		1	20 A	SPACE	38	
39	SPACE	20 A	1	0 VA	0 VA		1	20 A	SPACE	40	
41	SPACE	20 A	1	0 VA	0 VA	0 VA	1	20 A	SPACE	42	
		Total Load:		40500 VA		40500 VA		40500 VA			
		Total Amps:		338 A		338 A		338 A			

Branch Panel: RP

Location: 120/208 Wye
Supply From: MCB
Mounting: Surface
Enclosure: NEMA - 3R ENCLOSURE

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

MINIMUM A.I.C. Rating: 40,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 300 A

NOTES: 1. GFPE RATE BREAKERS FOR CIRCUITS 1,5,9,13,17, & 21 AND SWITCHABLE BREAKERS FOR CIRCUITS 2 & 4.
2. PROVIDE PLACARD FOR SWITCHING CIRCUITS AT EACH POLE FOR LIGHTING, RV/FOOD TRUCK, AND RECEPTACLE'S. PROVIDE PER 215.11 NATIONAL ELECTRICAL CODE.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	NC EQP RV-1 RV HOOK UP	50 A	2	4000 VA	1378 VA		2	20 A	EXT LTG	2	
3	--	--	--	--	4000 VA	0 VA	--	--	--	4	
5	NC EQP RV-2 RV HOOK UP	50 A	2	4000 VA			1	20 A	REC RV-1	6	
7	--	--	--	--	4000 VA	500 VA	1	20 A	REC RV-2	8	
9	NC EQP RV-3 RV HOOK UP	50 A	2	4000 VA	500 VA		1	20 A	REC RV-3	10	
11	--	--	--	--	4000 VA	500 VA	1	20 A	REC RV-4	12	
13	NC EQP RV-4 RV HOOK UP	50 A	2	4000 VA	500 VA		1	20 A	REC RV-5	14	
15	--	--	--	--	4000 VA	0 VA	1	20 A	SPARE	16	
17	NC EQP RV-5 RV HOOK UP	50 A	2	4000 VA	0 VA		1	20 A	SPARE	18	
19	--	--	--	--	4000 VA	0 VA	1	20 A	SPARE	20	
21	SPACE	50 A	2	0 VA	0 VA		1	20 A	SPACE	22	
23	--	--	--	--		0 VA	0 VA	1	20 A	SPACE	24
25	SPACE	50 A	2	0 VA	0 VA		1	20 A	SPACE	26	
27	--	--	--	--		0 VA	0 VA	1	20 A	SPACE	28
29	SPACE	--	1	--	--	--	1	20 A	SPACE	30	
31	SPACE	--	1	--	--	--	1	20 A	SPACE	32	
33	SPACE	--	1	--	--	--	1	20 A	SPACE	34	
35	SPACE	--	1	--	--	--	1	20 A	SPACE	36	
37	SPACE	--	1	--	--	--	1	20 A	SPACE	38	
39	SPACE	--	1	--	--	--	1	20 A	SPACE	40	
41	SPACE	--	1	--	--	--	1	20 A	SPACE	42	
		Total Load:		18378 VA		12500 VA		13000 VA			
		Total Amps:		154 A		104 A		109 A			

Branch Panel: L2A

Location: ELEC 114
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

MINIMUM A.I.C. Rating: 35,000
Mains Type: MLO
Mains Rating: 400 A

NOTES: 1. GFPE RATE BREAKERS FOR CIRCUITS 1,5,9,13,17, & 21 AND SWITCHABLE BREAKERS FOR CIRCUITS 2,4,6,8,20 & 22.
2. PROVIDE PLACARD FOR SWITCHING CIRCUITS AT EACH POLE FOR LIGHTING, RV/FOOD TRUCK, AND RECEPTACLE'S. PROVIDE PER 215.11 NATIONAL ELECTRICAL CODE.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC LIVESTOCK PAVILION 106	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION 106	2	
3	--	--	--	--	4500 VA	4500 VA	--	--	--	4	
5	--	--	--	--		4500 VA	4500 VA	--	--	6	
7	REC LIVESTOCK PAVILION 106	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION 106	8	
9	--	--	--	--	4500 VA	4500 VA	--	--	--	10	
11	--	--	--	--		4500 VA	4500 VA	--	--	12	
13	REC LIVESTOCK PAVILION 106	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION 106	14	
15	--	--	--	--	4500 VA	4500 VA	--	--	--	16	
17	--	--	--	--		4500 VA	4500 VA	--	--	18	
19	REC LIVESTOCK PAVILION 106	100 A	3	4500 VA	4500 VA		3	100 A	REC LIVESTOCK PAVILION 106	20	
21	--	--	--	--	4500 VA	4500 VA	--	--	--	22	
23	--	--	--	--		4500 VA	4500 VA	--	--	24	
25	REC LIVESTOCK PAVILION 106	100 A	3	4500 VA	0 VA		3	100 A	SPARE	26	
27	--	--	--	--	4500 VA	0 VA	--	--	--	28	
29	--	--	--	--		4500 VA	0 VA	--	--	30	
31	SPACE	100 A	3	0 VA	0 VA		1	20 A	SPACE	32	
33	--	--	--	--	0 VA	0 VA	1	20 A	SPACE	34	
35	--	--	--	--		0 VA	0 VA	1	20 A	SPACE	36
37	SPACE	20 A	1	0 VA	0 VA		1	20 A	SPACE	38	
39	SPACE	20 A	1	0 VA	0 VA		1	20 A	SPACE	40	
41	SPACE	20 A	1	0 VA	0 VA	0 VA	1	20 A	SPACE	42	
		Total Load:		40500 VA		40500 VA		40500 VA			
		Total Amps:		338 A		338 A		338 A			

Branch Panel: PL2

Location: 120/240 Single
Supply From: MCB
Mounting: Surface
Enclosure: NEMA - 3R ENCLOSURE

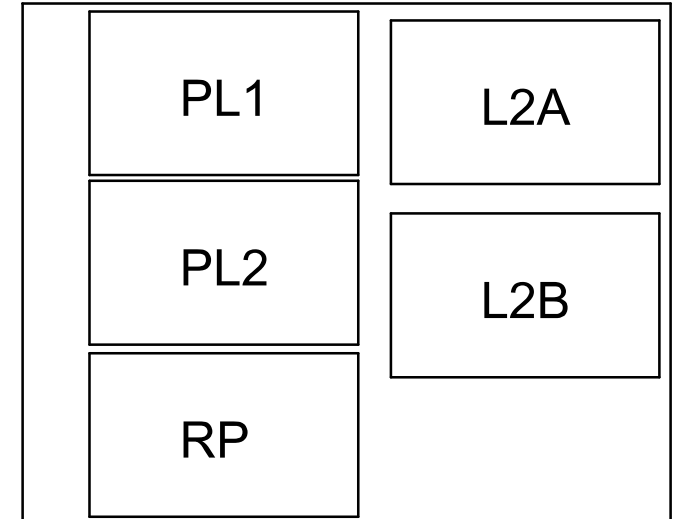
Volts: 120/240 Single
Phases: 1
Wires: 3
Spaces: 42

MINIMUM A.I.C. Rating: 40,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 300 A

NOTES: 1. GFPE RATE BREAKERS FOR CIRCUITS 1,5,9,13,17, & 21 AND SWITCHABLE BREAKERS FOR CIRCUITS 2 & 4.
2. PROVIDE PLACARD FOR SWITCHING CIRCUITS AT EACH POLE FOR LIGHTING, RV/FOOD TRUCK, AND RECEPTACLE'S. PROVIDE PER 215.11 NATIONAL ELECTRICAL CODE.

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	NC EQP FT-6 FOOD TRUCK	50 A	2	4000 VA	500 VA	1	20 A	REC FT-6	2	
3	--	--	--	--	4000 VA	500 VA	1	20 A	REC FT-7	4
5	NC EQP FT-7 FOOD TRUCK	50 A	2	4000 VA	500 VA	1	20 A	REC FT-8	6	
7	--	--	--	--	4000 VA	500 VA	1	20 A	REC FT-9	8
9	NC EQP FT-8 FOOD TRUCK	50 A	2	4000 VA	500 VA	1	20 A	REC FT-10	10	
11	--	--	--	--	4000 VA	1696 VA	2	20 A	EXT LTG	12
13	NC EQP FT-9 FOOD TRUCK	50 A	2	4000 VA	0 VA		--	--	--	14
15	--	--	--	--	4000 VA	0 VA	1	20 A	SPACE	16
17	NC EQP FT-10 FOOD TRUCK	50 A	2	4000 VA	0 VA		1	20 A	SPACE	18
19	--	--	--	--	4000 VA	0 VA	1	20 A	SPACE	20
21	SPACE	50 A	2	0 VA	0 VA		1	20 A	SPACE	22
23	--	--	--	--	0 VA	0 VA	1	20 A	SPACE	24
25	SPACE	20 A	1	0 VA	0 VA		1	20 A	SPACE	26
27	SPACE	20 A	1	0 VA	0 VA		1	20 A	SPACE	28
29	SPACE	--	1	--	--		1	20 A	SPACE	30
31	SPACE	--	1	--	--		1	20 A	SPACE	32
33	SPACE	--	1	--	--		1	20 A	SPACE	34
35	SPACE	--	1	--	--		1	20 A	SPACE	36
37	SPACE	--	1	--	--		1	20 A	SPACE	38
39	SPACE	--	1	--	--		1	20 A	SPACE	40
41	SPACE	--	1	--	--		1	20 A	SPACE	42
		Total Load:		21500 VA		22696 VA				
		Total Amps:		179 A		189 A				

Legend:	Connected Load	Demand Factor	Estimated Demand	Panel Totals
REC	121500 VA	54.12%	65750 VA	Total Conn. Load: 121500 VA Total Est. Demand: 65750 VA Total Conn. Current: 337 A Total Est. Demand Current: 183 A
NC	42500 VA	100.00%	42500 VA	Total Conn. Load: 44196 VA Total Est. Demand: 44620 VA Total Conn. Current: 184 A Total Est. Demand Current: 186 A
EXT LTG	1696 VA	125.00%	2120 VA	



REVISIONS

NO.	DESCRIPTION	DATE

NOTES

DRAWN BY: DLG
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003

Branch Panel: H1A
Location: ELEC 114
Supply From: T1A
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 24

MINIMUM A.I.C. Rating: 10,000
Mains Type: 100 A
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG EXTERIOR	20 A	1	1485 VA	3900 VA				LTG LIVESTOCK PAVILION 106	2	
3	LTG LIVESTOCK PAVILION 106	20 A	1		2770 VA	3120 VA			LTG WASH BAY 112	4	
5	LTG IT 113	20 A	1			400 VA	265 VA		LTG STORAGE 118	6	
7	LTG TOILET 119	30 A	1	6371 VA	0 VA				SPARE	8	
9	SPARE	20 A	1		0 VA	0 VA			SPARE	10	
11	SPARE	20 A	1			0 VA	0 VA		SPARE	12	
13	SPARE	20 A	1	0 VA	0 VA				SPARE	14	
15	SPARE	20 A	1		0 VA	--			SPACE ONLY	16	
17	SPACE ONLY	--	1			--	--		SPACE ONLY	18	
19	SPACE ONLY	--	1	--	14473 VA			3	50 A	PANEL H1B	20
21	SPACE ONLY	--	1		--	8613 VA			--	--	22
23	SPACE ONLY	--	1			--	300 VA		--	--	24
Total Load:				26229 VA	14503 VA	965 VA					
Total Amps:				60 A	60 A	3 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG	41518 VA	125.00%	51897 VA	Total Conn. Load: 41698 VA
LTG-EXT	180 VA	125.00%	225 VA	Total Est. Demand: 52122 VA
				Total Conn. Current: 50 A
				Total Est. Demand Current: 63 A

Branch Panel: H1B
Location: ELEC 104
Supply From: H1A
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 24

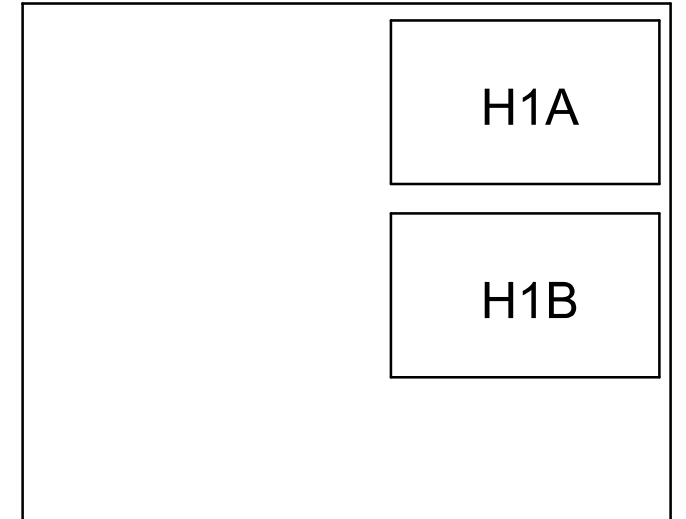
MINIMUM A.I.C. Rating: 10,000
Mains Type: 100 A
Mains Rating: 50 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG LIVESTOCK PAVILION 106	20 A	1	3900 VA	3120 VA				LTG LIVESTOCK PAVILION 106	2	
3	LTG	20 A	1		1230 VA	420 VA			LTG MEN'S TOILET ROOM 102	4	
5	LTG FIRE RISER 108	20 A	1			100 VA	200 VA		LTG MEN'S TOILET ROOM 102	6	
7	LTG	20 A	1	490 VA	6963 VA				LTG MEN'S TOILET ROOM 102	8	
9	LTG WOMEN'S TOILET ROOM 105	35 A	1		6963 VA	0 VA			SPARE	10	
11	SPARE	20 A	1			0 VA	0 VA		SPARE	12	
13	SPARE	20 A	1	0 VA	0 VA				SPARE	14	
15	SPARE	20 A	1		0 VA	0 VA			SPARE	16	
17	SPARE	20 A	1			0 VA	--		SPACE ONLY	18	
19	SPACE ONLY	--	1	--	--				SPACE ONLY	20	
21	SPACE ONLY	--	1		--	--			SPACE ONLY	22	
23	SPACE ONLY	--	1			--	--		SPACE ONLY	24	
Total Load:				14473 VA	8613 VA	300 VA					
Total Amps:				57 A	36 A	1 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG	23326 VA	125.00%	29158 VA	Total Conn. Load: 23386 VA
LTG-EXT	60 VA	125.00%	75 VA	Total Est. Demand: 29233 VA
				Total Conn. Current: 28 A
				Total Est. Demand Current: 35 A



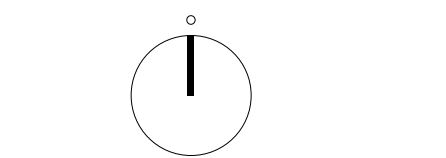
REVISIONS

△	

NOTES

DRAWN BY: DLC
REVIEWED BY: OU
DATE: 06/09/2023
PROJECT NO: #23-0003

NORTH + SCALE



DRAWING NAME
ELECTRICAL PANEL SCHEDULE

E-7.5