

GOVERNMENT OF GUAM ZONING REGULATIONS

TITLE 21 GUAM CODE ANNOTATED REAL PROPERTY CHAPTER 61, ZONING LAW

1. ADDRESS:
2. PROJECT NAME:
3. PROJECT LOCATION:
4. ZONE:
5. LOT NO.:
6. LOT AREA:
7. MIN. LOT AREA:
8. MIN. LOT WIDTH:
9. USE:
10. HEIGHT LIMITS:

	ALLOWED _____	ACTUAL _____
--	---------------	--------------
11. SET BACKS:

	REQUIRED _____	ACTUAL _____
FRONT YARD :	_____	_____
SIDE YARD :	_____	_____
REAR YARD :	_____	_____
12. PARKING REQUIREMENT:

	SQAURE FEET / LOAD FACTOR = PARKING SPACE
	REQUIRED _____ ACTUAL _____ ACCESSIBLE _____

PROJECT CODE ANALYSIS

A. CODE REFERENCES

1. INTERNATIONAL BUILDING CODE (2009)
2. INTERNATIONAL RESIDENTIAL CODE (2009)
3. INTERNATIONAL CODE COUNCIL, AMERICAN NATIONAL STANDARD ACCESSIBLE AND USABLE BUILDING FACILITIES (ICC/ANSI A117.1 - 2009)

B. OCCUPANCY AND CONSTRUCTION / ALLOWABLE AREA AND HEIGHT

1. OCCUPANCY CLASSIFICATION: _____ (CHAPTER 3)
2. TYPE OF CONSTRUCTION: _____ (SECTION 601)
3. FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

BUILDING ELEMENT	MATERIAL	RATING
STRUCTURAL FRAME	NONCOMBUSTIBLE	_____ HR
EXTERIOR BEARING WALL	NONCOMBUSTIBLE	_____ HR
INTERIOR BEARING WALL	NONCOMBUSTIBLE	_____ HR
EXTERIOR NONBEARING WALL	NONCOMBUSTIBLE	_____ HR
INTERIOR NONBEARING WALL	NONCOMBUSTIBLE	_____ HR
FLOOR / CEILING ASSEMBLY	NONCOMBUSTIBLE	_____ HR
ROOF / CEILING ASSEMBLY	NONCOMBUSTIBLE	_____ HR
4. FOR CONSTRUCTION TYPE _____ AND OCCUPANCY GROUP _____ THE ALLOWABLE AREA IS _____ SF (TABLE 503)

ACTUAL AREA OF EACH STORY	
FIRST FLOOR	_____ SF
SECOND FLOOR	_____ SF
TOTAL AREA	_____ SF
5. FOR CONSTRUCTION TYPE _____ AND OCCUPANCY GROUP _____ THE ALLOWABLE NUMBER OF STORIES IS _____ AND THE ALLOWABLE HEIGHT IS _____ FT. (TABLE 503)

ACTUAL BUILDING	
NUMBER OF STORIES	_____ FT
APPROXIMATE HEIGHT	_____ FT

C. FIRE SEPARATION DISTANCE

- | | |
|------------|------------------------------|
| NORTH WALL | _____ FT MEASURED FROM _____ |
| EAST WALL | _____ FT MEASURED FROM _____ |
| SOUTH WALL | _____ FT MEASURED FROM _____ |
| WEST WALL | _____ FT MEASURED FROM _____ |

D. FIRE AND SMOKE PROTECTION FEATURES

1. FROM TABLE 602, GIVEN A _____ FT FIRE SEPARATION DISTANCE, GROUP _____ OCCUPANCY AND TYPE _____ CONSTRUCTION, THE _____ WALL REQUIRES A FIRE RESISTANCE RATING OF _____.
- FROM TABLE 105.2, GIVEN A _____ FT FIRE SEPARATION DISTANCE AND _____ DEGREE OF OPENING PROTECTION, THE MAXIMUM ALLOWABLE AREA OF EXTERIOR OPENINGS FOR THE _____ WALL SHALL BE _____%.
2. FROM TABLE 506.4, GROUP _____ OCCUPANCY AND GROUP _____ OCCUPANCY WILL REQUIRE A _____ HR SEPARATION.
3. DETERMINE IF A FIRE WALL WILL BE USED, SECTION 706

FROM TABLE 706.4, THE MIN. FIRE RESISTANCE RATING FOR A FIRE WALL IN A GROUP _____ OCCUPANCY IS _____ HR.
4. DETERMINE IF A FIRE BARRIER WILL BE USED, SECTION 707

FROM TABLE 1013.9, THE MIN. FIRE RESISTANCE RATING REQUIREMENTS FOR A FIRE BARRIER ASSEMBLY BETWEEN FIRE AREAS IN A GROUP _____ OCCUPANCY WILL BE _____ HR.
5. DETERMINE IF A SHAFT ENCLOSURE WILL BE USED, SECTION 708, TABLE 1013.9

SHAFT ENCLOSURES SHALL HAVE A FIRE RESISTANCE RATING OF _____ HR.

6. DETERMINE IF FIRE PARTITIONS WILL BE USED, SECTION 709

- a. dwelling units
- b. sleeping units
- c. tenant spaces in covered mall buildings
- d. corridor walls
- e. elevator lobby

7. DETERMINE IF SMOKE BARRIERS WILL BE USED, SECTION 710

8. DETERMINE IF SMOKE PARTITIONS WILL BE USED, SECTION 711

E. INTERIOR FINISHES

1. FROM TABLE 803.9, OCCUPANCY GROUP _____ SHALL HAVE THE FOLLOWING INTERIOR WALL AND CEILING FINISH REQUIREMENTS:

EXIT ENCLOSURE & EXIT PASSAGEWAY	CLASS _____
CORRIDORS	CLASS _____
ROOMS & ENCLOSED SPACES	CLASS _____

F. FIRE PROTECTION SYSTEM

1. AN AUTOMATIC SPRINKLER SYSTEM WILL (or not) BE USED, SECTION 903
2. PORTABLE FIRE EXTINGUISHER SHALL BE CLASS _____ FIRE HAZARD, 10 LBS, SECTION 906.3
3. A FIRE ALARM AND DETECTION SYSTEM WILL (or not) BE USED, SECTION 907

G. MEANS OF EGRESS

1. OCCUPANT LOAD (TABLE 1004.1.1)

FUNCTION OF SPACE	LOAD FACTOR	OCCUPANT LOAD	EXIT ACCESS PROVIDED
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2. MEANS OF EGRESS COMPONENT (SECTION 1008)

MEANS OF EGRESS FROM THE BUILDING WILL BE VIA _____ TO THE OUTSIDE
3. NUMBER OF EXITS (SECTION 1020, TABLE 1021.1)

THE BUILDING IS PROVIDED WITH AT LEAST _____ EXITS.
4. CAPACITY OF MEANS OF EGRESS, SECTION 1005

OCCUPANT LOAD OF _____ X .03 (STAIRWAYS) : _____ IN.

OCCUPANT LOAD OF _____ X .02 (OTHER EGRESS COMPONENTS) : _____ IN
5. CORRIDOR WIDTH (TABLE 1010.2)

THE CORRIDOR WIDTH SHALL BE _____ IN.
6. MEANS OF EGRESS ILLUMINATION, SECTION 1006

REQUIRED AND PROVIDED
7. COMMON PATH OF EGRESS TRAVEL (SECTION 1014.3)

THE COMMON PATH OF EGRESS TRAVEL IS _____ FT. WHICH IS LESS THAN _____ FT.
8. EXIT ACCESS TRAVEL DISTANCE (TABLE 1016.1)

OCCUPANCY	TRAVEL DISTANCE
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9. CORRIDOR FIRE RESISTANCE RATING (TABLE 1010.1)

OCCUPANCY	HOUR
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10. DEAD END CORRIDORS (TABLE 1010.3)

MAXIMUM LENGTH FOR DEAD END CORRIDOR SHALL BE 20'-0"
11. EXIT DISCHARGE (SECTION 1021)

THE EXIT DISCHARGES DIRECTLY TO EXTERIOR OF THE BUILDING.

H. ACCESSIBILITY

1. MULTILEVEL BUILDINGS AND FACILITIES (SECTION 1104.4)

AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH ACCESSIBLE FLOOR IF THE TOTAL AGGREGATE AREA PER FLOOR IS MORE THAN 3000 SF.
2. PARKING AND PASSENGER LOADING FACILITIES (TABLE 1106.1)

TOTAL PARKING PROVIDED	REQ. MIN. NO. OF ACCESSIBLE SPACES	OTHERS
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3. DWELLING UNITS AND SLEEPING UNITS (TABLE 1107.6.1.1)

NO. OF UNITS PROVIDED	TOTAL NO. OF REQUIRED ACCESSIBLE UNITS	NO. OF ACCESSIBLE UNITS W/O ROLL IN SHOWERS	NO. OF ACCESSIBLE UNITS W/O ROLL IN SHOWERS
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I. STRUCTURAL DESIGN

1. WIND LOADS (FIGURE 1609)

170 V MPH, 3 SECOND GUST WIND SPEEDS AT 33' ABOVE GROUND FOR EXPOSURE C CATEGORY
2. EARTHQUAKE LOADS (FIGURE 1613.5-14)

150% g - 0.2 SEC SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING)

60% g - 1.0 SEC SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING)

SEISMIC ZONE 4

J. PLUMBING SYSTEMS

1. MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (TABLE 2402.1)

OCCUPANCY	WATER CLOSETS MALE	WATER CLOSETS FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS / SHOWERS	DRINKING FOUNTAINS
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DATE: _____

Project:
**CENTRAL
POLICE PRECINCT**

Title:
**ZONING & CODE
ANALYSIS**

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 Date: **12/19/16**
 Project No. File
 No.

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T1.2
 Sheet No. _____ of _____

GENERAL NOTES:

- ALL DIMENSIONS ARE IN FEET SYSTEM UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS AND MATERIALS FOR CONSTRUCTION OF THIS PROJECT, INCLUDING COMPLIANCE WITH ALL APPLICABLE REGULATIONS.
- PRIOR TO THE START OF ANY EXCAVATION OR TRENCHING ACTIVITY BOTH ON SITE AND OFFSITE, CONTRACTOR WILL ENGAGE THE SERVICES OF THE LOCAL GOVERNMENT UTILITY AGENCY LOCATING SERVICES IN ORDER TO ESTABLISH AND MARK THE LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND OBJECTS IN THE VICINITY OF THE WORK AND SECURE THE MANDATORY "DIG PERMIT".
- AFTER SECURING THE " DIG PERMIT", CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND FEATURES BY HAND EXCAVATION WHERE NECESSARY IN ORDER TO PRECLUDE THE POSSIBILITY OF DAMAGING SUCH FEATURES. ANY DAMAGE TO UNDERGROUND PIPE, POWER CABLES, COMMUNICATION CABLE OR STRUCTURES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. SUCH REPAIR WILL BE CONDUCTED IN A MANNER CONSISTENT WITH RELATED PROVISIONS OF THE CONTRACT.
- UNLESS OTHERWISE NOTED, EXISTING FEATURES SHOWN ON PLANS OR REFERENCED IN SPECIFICATIONS AS BEING LEFT IN PLACE, SHALL BE PROTECTED DURING CONSTRUCTION BY APPROPRIATE DEVICES AS AGREED BY THE CONTRACTING OFFICER, THIS INCLUDES BUT IS NOT LIMITED TO TREES, SHRUBS, SIGNAGE, GUARD POSTS AND THE LIKE. SHOULD TEMPORARY REMOVAL BE NECESSARY, THE LOCATION WILL BE CLEARLY NOTED ON DRAWINGS SO AS TO PROVIDE FOR REINSTATEMENT IN THE SAME LOCATION. PLANTS REQUIRED TO BE TEMPORARILY RELOCATED WILL BE PROPERLY PROTECTED AND WATERED DURING THE TIME THEY ARE IN STORAGE.
- ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO CONTRACTING OFFICER FOR CLARIFICATION AND RESOLUTION PRIOR TO CONSTRUCTION. IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING FURTHER.
- CONTRACTOR SHALL LIMIT ALL CONSTRUCTION ACTIVITIES TO THE SPECIFIED LIMITS OF WORK.
- GRADING ACTIVITY SHALL NOT OCCUR UNTIL AUTHORIZED BY CONTRACTING OFFICER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ACTIVITIES WITH THE CONTRACTING OFFICER.
- BACKFILL MATERIAL AND COMPACTION REQUIREMENTS SHALL BE AS STATED IN CONTRACT DOCUMENTS.
- ALL ROADWAYS AND BUILDINGS WILL BE MAINTAINED AND PROTECTED AS DESCRIBED. DAMAGED AND REMOVED SECTIONS OF ROADWAY WILL BE REPLACED IN KIND, AND AT CONTRACTOR'S EXPENSE IF NOT PART OF THE WORK.
- DISTURBED AREAS TO BE SEEDED AS DEFINED IN THE SPECIFICATIONS.
- DISPOSAL OF ALL DEFECTIVE MATERIALS OR SURPLUS TO BE COMPLETED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND SHALL BE UNDER THE CONTRACTOR'S RESPONSIBILITY.
- CONTRACTOR SHALL REPORT TO THE CONTRACTING OFFICER ALL SPILLS AND LEAKS OF OIL OR OTHER HAZARDOUS SUBSTANCES (E.G. OIL, ENGINE COOLANT, CHEMICALS, ETC.) OCCURRING DURING THE PERFORMANCE OF THEIR CONTRACT IMMEDIATELY UPON DISCOVERY REGARDLESS OF THE QUANTITY.
- CONTRACTOR SHALL PREVENT DEBRIS FROM ENTERING SWALES AND DRAINAGE INLETS. PROVIDE AND MAINTAIN INLET PROTECTION FOR THE DURATION OF THE WORK. CLEAN ALL STRUCTURES AT THE COMPLETION OF THE WORK.
- CONTRACTOR TO PROVIDE A FULL SET OF AS-BUILT DRAWINGS TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR TO REPORT FINDINGS OF UNDERGROUND STORAGE TANKS AND IMPACT ON THE WORK TO THE ENGINEER AND CONTRACTING OFFICER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED CLEARANCE, PERMITS, AND APPROVALS FROM THE BASE AND GUAM ENVIRONMENTAL PROTECTION AGENCY FOR PERFORMING OF THE CONSTRUCTION WORK.
- ALL SITE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH SPECIFICATIONS.
- UPON COMPLETION OF THE CONSTRUCTION WORK, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO PREVIOUS OR BETTER CONDITION, AS ORIGINALLY FOUND.
- SERVICES PROVIDED BY EXISTING UTILITIES SHOWN TO BE DEMOLISHED AND/OR ABANDONED IN PLACE SHALL BE TEMPORARILY MAINTAINED BY THE SITE CONTRACTOR.
- ALL DEBRIS GENERATED AS RESULT OF SITE DEMOLITION AND SITE CONSTRUCTION WORK SHALL BE LEALLY DISPOSED OF OFF SITE BY THE CONTRACTOR IN ACCORDANCE WITH THE PROJECT WASTE MANAGEMENT PLAN.

GRADING NOTES:

- WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR WILL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK.
- CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS FOUNDATIONS AND STRUCTURES.
- ALL EXISTING LANDSCAPE AND UNPAVED AREA WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK AREA SHALL BE HAND RAKED SMOOTH AND RETURNED TO ORIGINAL CONDITION.
- EARTHWORK FILL SHALL CONFORM TO RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT.
- SOIL TREATMENT FOR TERMITES IS REQUIRED. SEE SPECIFICATIONS

PROCEDURES FOR CUTTING ASBESTOS CEMENT PIPE (ACP)

- IF REPAIRS OR CONNECTING TO EXISTING ASBESTOS CEMENT PIPE ARE NECESSARY ONLY A "SNAP CUTTER" OR "CUT-OFF SAW" MAY BE USED TO CUT THE PIPE. STRICTLY FOLLOW THE ATTACHED PROCEDURE.
- IT IS THE SUPERVISOR'S RESPONSIBILITY TO ENSURE PROPER TRAINING AND EQUIPMENT ARE PROVIDED.
- EVERY MEMBER OF THE CREW WORKING WITH ASBESTOS CEMENT PIPE SHALL REVIEW A COPY OF THESE PROCEDURES PRIOR TO CONDUCTING THIS WORK.
- MANUAL OR HYDRAULIC SNAP CUTTERS ARE ONLY ACCEPTABLE METHOD OF CUTTING ASBESTOS CEMENT PIPE. THIS EQUIPMENT CONSISTS OF CUTTING WHEELS MOUNTED IN A CHAIN WHICH IS WRAPPED AROUND THE PIPE BARREL. A CUT IS MADE WHEN PRESSURE IS APPLIED BY MANUAL RATCHET OR HYDRAULIC PUMP.
- THE ADVANTAGE TO THIS METHOD OF CUTTING IS A REDUCTION IN AIRBORNE ASBESTOS FIBERS.

EQUIPMENT RECOMMENDED

- SNAP CUTTER.
- CLEAN WATER SOURCE AND MEANS OF APPLICATION SUFFICIENT TO MAINTAIN A CONTINUOUSLY WETTED CUTTING AREA.
- DISPOSABLE COVERALLS.
- TWIN CARTRIDGE 1/2 FACE RESPIRATOR, EQUIPPED WITH "HEPA" FILTERS.
- RUBBER BOOTS.
- HARD HATS.
- LEATHER OR RUBBER GLOVES (TO BE DISPOSED OF IN THE TRENCH)

PROCEDURES:

- NOTIFY GUAM ENVIRONMENTAL PROTECTION AGENCY (GEPA) 5 DAYS IN ADVANCE OF ANY SCHEDULED CUTTING/REPAIR OF ASBESTOS CEMENT PIPE.
- EXCAVATE AROUND THE ASBESTOS CEMENT PIPE A SUFFICIENT DISTANCE TO ENSURE ADEQUATE TOOL CLEARANCE IN THE AREA TO BE CUT. CARE MUST BE TAKEN TO AVOID ANY PIPE ABRASIONS.
- PUT ON PROTECTIVE EQUIPMENT AND HAVE SUFFICIENT CLEAN WATER AVAILABLE BEFORE ENTERING THE TRENCH.
- CLEAN THE PIPE WITH WATER IN THE AREA TO BE CUT AND ATTACH THE SNAP CUTTER.
- APPLY WATER TO THE CUT AREA UNTIL CUTTING IS COMPLETE.
- OPERATE THE CUTTING TOOL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS MAKING SURE THAT WATER IS APPLIED IN SUFFICIENT QUANTITIES TO CONTINUOUSLY WET THE CUT SURFACE AND PREVENT ASBESTOS CEMENT DUST CREATION.
- UPON COMPLETION OF THE FINAL CUT, THOROUGHLY WASH ALL EQUIPMENT WITH CLEAN WATER TO REMOVE ASBESTOS CEMENT DEBRIS. ALLOW THE WATER TO DRAIN INTO THE BOTTOM OF THE TRENCH BEFORE REMOVING THE EQUIPMENT.
- INSTALL OTHER PIPE AND FITTINGS AS REQUIRED, TAKING CARE TO AVOID ANY ABRASION TO THE ASBESTOS CEMENT PIPE.
- WHEN ALL PIPE WORK IS COMPLETED, REMOVE DISPOSABLE COVERALLS AND GLOVES. LEAVE THEM IN THE TRENCH WITH ANY ASBESTOS CEMENT DEBRIS. THOROUGHLY WASH HANDS, BOOTS, AND ALL SMALL TOOLS (I.E. WRENCHES, HAMMERS, SHOVELS) WITH CLEAN WATER TO REMOVE ASBESTOS CEMENT DEBRIS AND LET THE WATER DRAIN IN THE TRENCH.
- EXIT THE EXCAVATION SO THAT YOUR CLOTHING AND TOOLS WILL NOT BE CONTAMINATED WITH ASBESTOS CEMENT DEBRIS.
- BACKFILL THE TRENCH.
- CLEAN AND STORE THE RESPIRATOR(S) AS PER MANUFACTURER'S INSTRUCTIONS. SEAL THE HEPA CARTRIDGE INLETS WITH DUCT TAPE OR OTHER SIMILAR SEALER TO PREVENT MICROSCOPIC ASBESTOS PARTICLES FROM ESCAPING. ONLY REMOVE DUCT TAPE WHEN DONNING THE RESPIRATOR.

SURVEY NOTES:

- SURVEY WAS BASED ON FOUND CORNERS AS SHOWN.
- ALL DISTANCES AND DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF, UNLESS OTHERWISE NOTED.
- BEARINGS AND DISTANCES WITHIN THE PARENTHESES ARE RECORD DATA, ALL OTHERS ARE 1993 GRID.
- SUBJECT LOT IS WITHIN THE NORTHERN AQUIFER.
- SUBJECT LOT IS ZONED "R-1" SINGLE-FAMILY RESIDENTIAL PER 1966 OFFICIAL ZONING MAP F367534.
- AS-BUILTS SHOWN EXISTS AS OF APPROVAL OF THIS MAP.
- VERTICAL CONTROL SURVEY WAS BASED FROM GGN 1846 WITH AN ELEVATION OF 146.67 FEET MEAN SEA LEVEL (MSL) DATUM.
- CONTOURS WERE DEVELOPED FROM SPOT ELEVATIONS USING A COMBINATION OF GPS AND CONVENTIONAL TOPOGRAPHIC GROUND METHOD.

REFERENCES:

- DWG No. 23-8814, RETRACEMENT SURVEY MAP OF LOT Nos. P19.1B-1 AND P19.1A-11, PREPARED BY RLS No. 23, L.M. No.424-FY88, Doc. No. 402384.
- SUBDIVISION OF LOT P19.1B, Doc. No. 29282
- L.M. DWG No. E4-59T443, REAL ESTATE REQUIREMENTS PROPERTY SEVERANCE OF AFAME ROAD, Doc. No. 36424.
- DWG No. FC06/2006, RETRACEMENT SURVEY MAP OF LOT P19.1A-16-REM-1, PREPARED BY PLS No. 19, L.M. No. 128-FY2006, Doc. No. 724742.
- CONSOLIDATION SURVEY MAP OF LOTS P19.1B-1 AND P19-1A-11 INTO LOT P19.1B-1NEW, DCA DWG. NO. DCAI-S-16-44, PREPARED BY PLS # 65, FINAL MAP APPROVAL BY DLM IS IN THE PROCESS AS OF THE DATE OF THIS MAP.

LEGENDS, SYMBOLS AND ABBREVIATIONS:

☆ GGN - GUAM GEODETIC NETWORK (GGN) MONUMENT	—○— OVERHEAD WIRE
☒ 4"x4" CONCRETE MONUMENT FOUND, SET BY RLS No. 23, REF #1	— — — GUARDRAIL
⊙ FOUND No. 4 REBAR WITH PLASTIC CAP MARKED PLS 19, UNDOCUMENTED	- x - x - x - CHAIN-LINK FENCE
⊙ FOUND No. 4 REBAR WITH PLASTIC CAP MARKED PLS 19,	- - - EDGE OF VEGETATION
⊙ FOUND No. 4 REBAR WITH PLASTIC CAP (BURNED) SET BY UNKNOWN	— — — MAJOR CONTOURS
⊙ FOUND No. 5 REBAR WITH WASHER, SET BY RLS No 23, REF #1	- - - MINOR CONTOURS
● FOUND SPIKE, SET BY UNKNOWN	☼ COCONUT/PALM TREE
⊙ FOUND No. 4 REBAR, NO IDENTIFICATION, ACCEPTED, PLACED CAP MARKED PLS 65 #4	☼ TREE AS NOTED
⊙ REBAR SET WITH PLASTIC CAP MARKED PLS 65	
⊙ CPP - CONCRETE POWER POLE	
⊙ WPP - WOODEN POWER POLE	
— GW - GUY WIRE	
⊙ TRHH - TRAFFIC HANDHOLE	
⊙ EHH/EM - ELECTRICAL HANDHOLE/ELECTRICAL METER	
⊙ TBX/TP - TELEPHONE PULLBOX/TELEPHONE PEDESTAL	
⊙ FH - FIRE HYDRANT	
⊙ WHH - WATER HANDHOLE	
⊙ SDMH - STORM DRAIN MANHOLE	
⊙ SMH - SEWER MANHOLE	
● BOL - BOLLARD	
— SIGN	
~ SWALE FLOW	
— AC-PATCH - ASPHALT CONCRETE PATCH	
— AC DWY - ASPHALT CONCRETE DRIVEWAY	
⊙ CPAD - CONCRETE PAD	
φ - DIAMETER	
MP - METAL PIPE	
RCP - REINFORCED CONCRETE PIPE	

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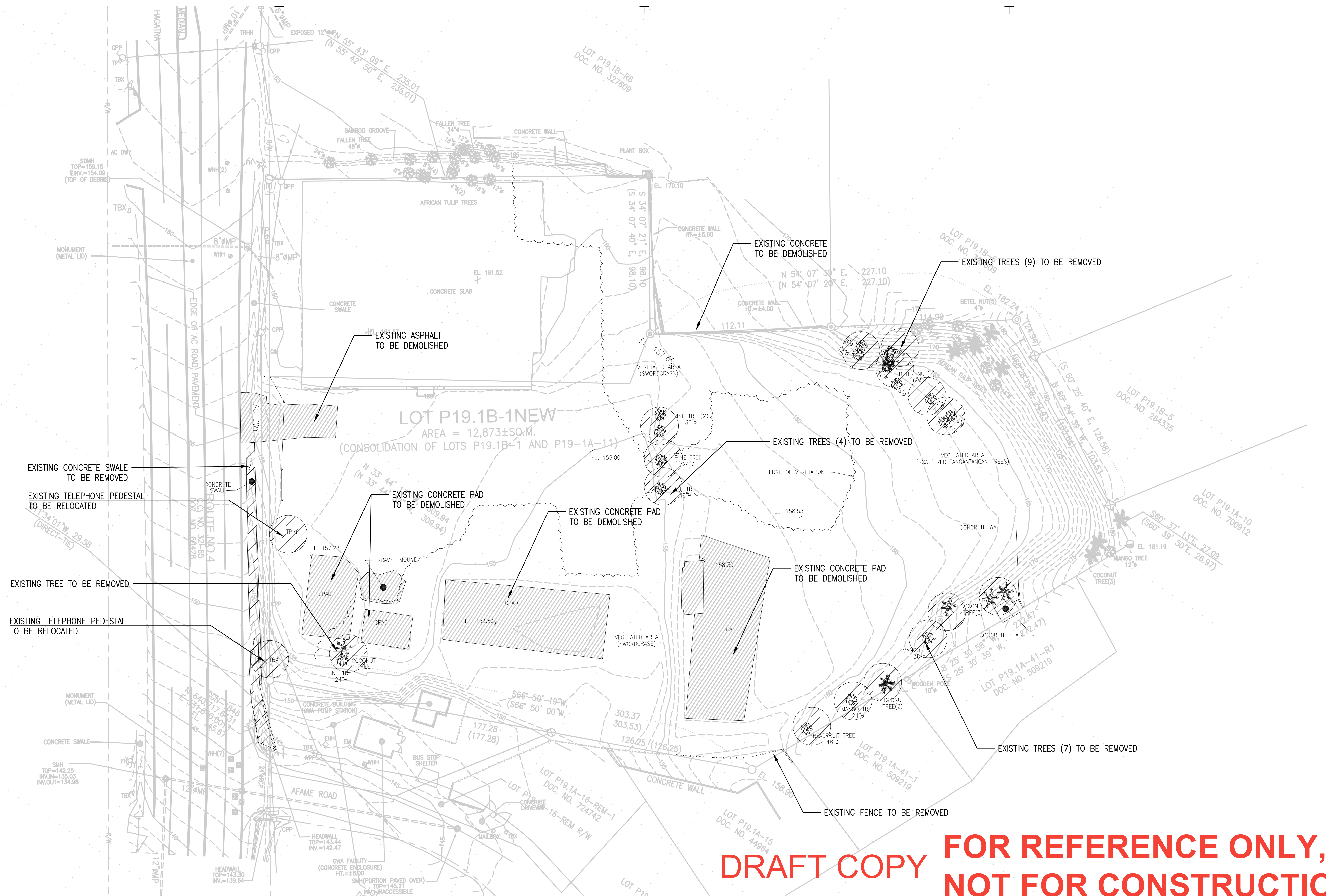
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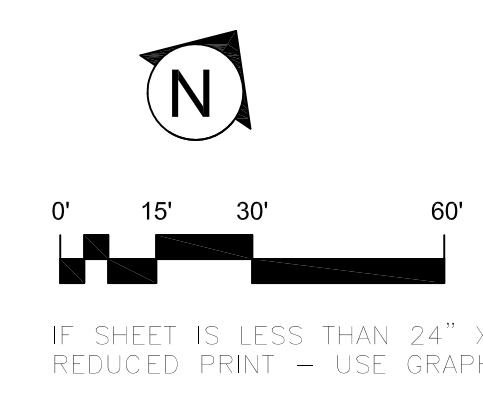
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1 EXISTING CONDITION AND DEMOLITION PLAN
SCALE: 1" = 30'-0"



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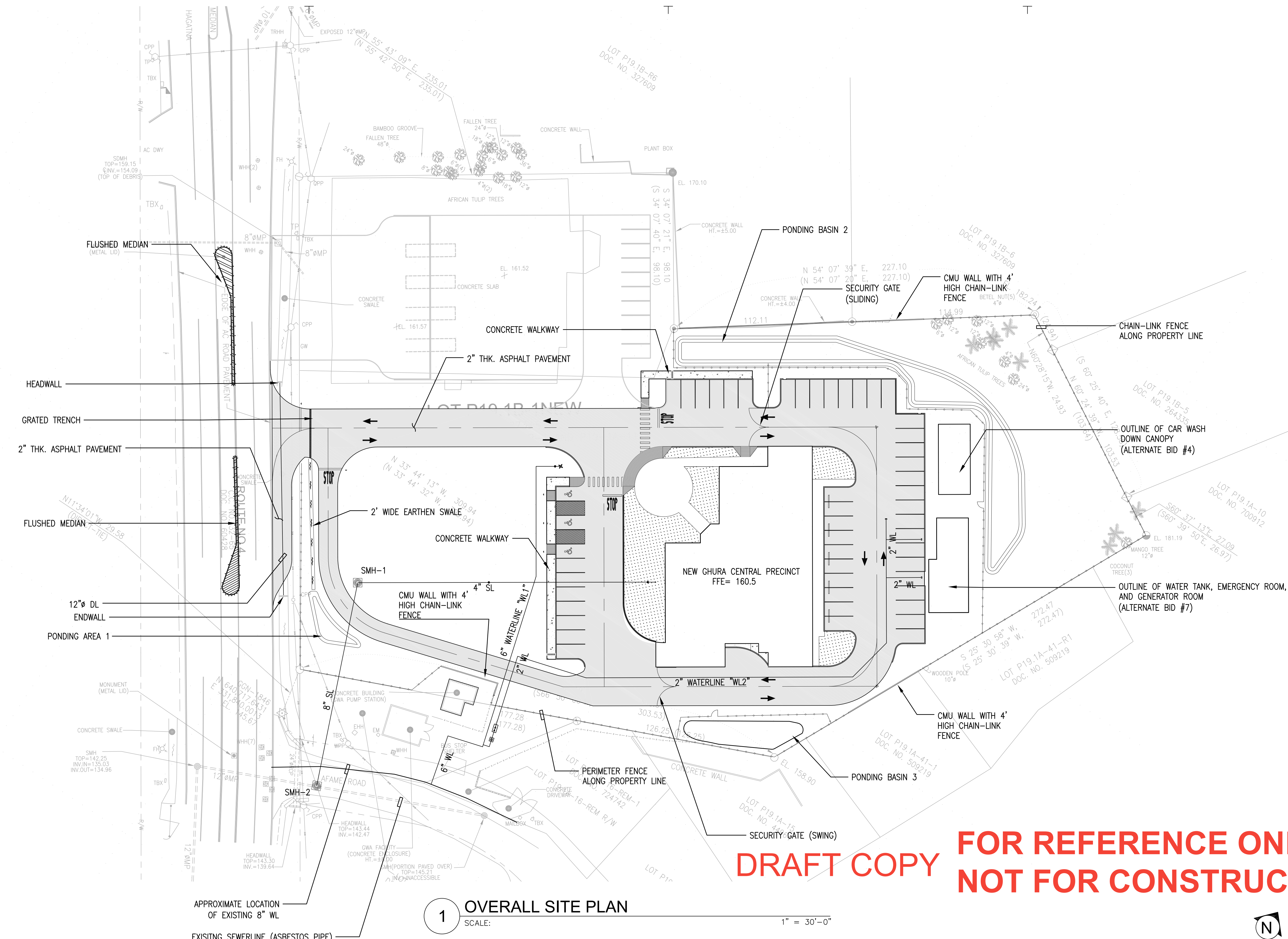
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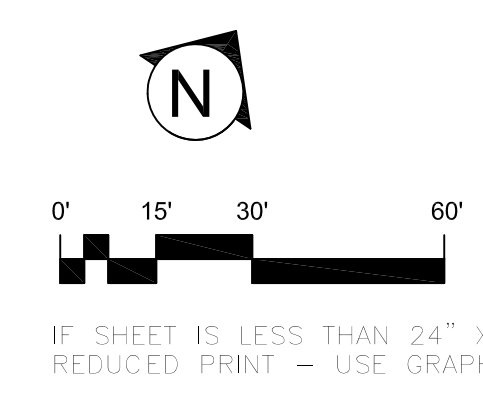
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1 OVERALL SITE PLAN
SCALE: 1" = 30'-0"



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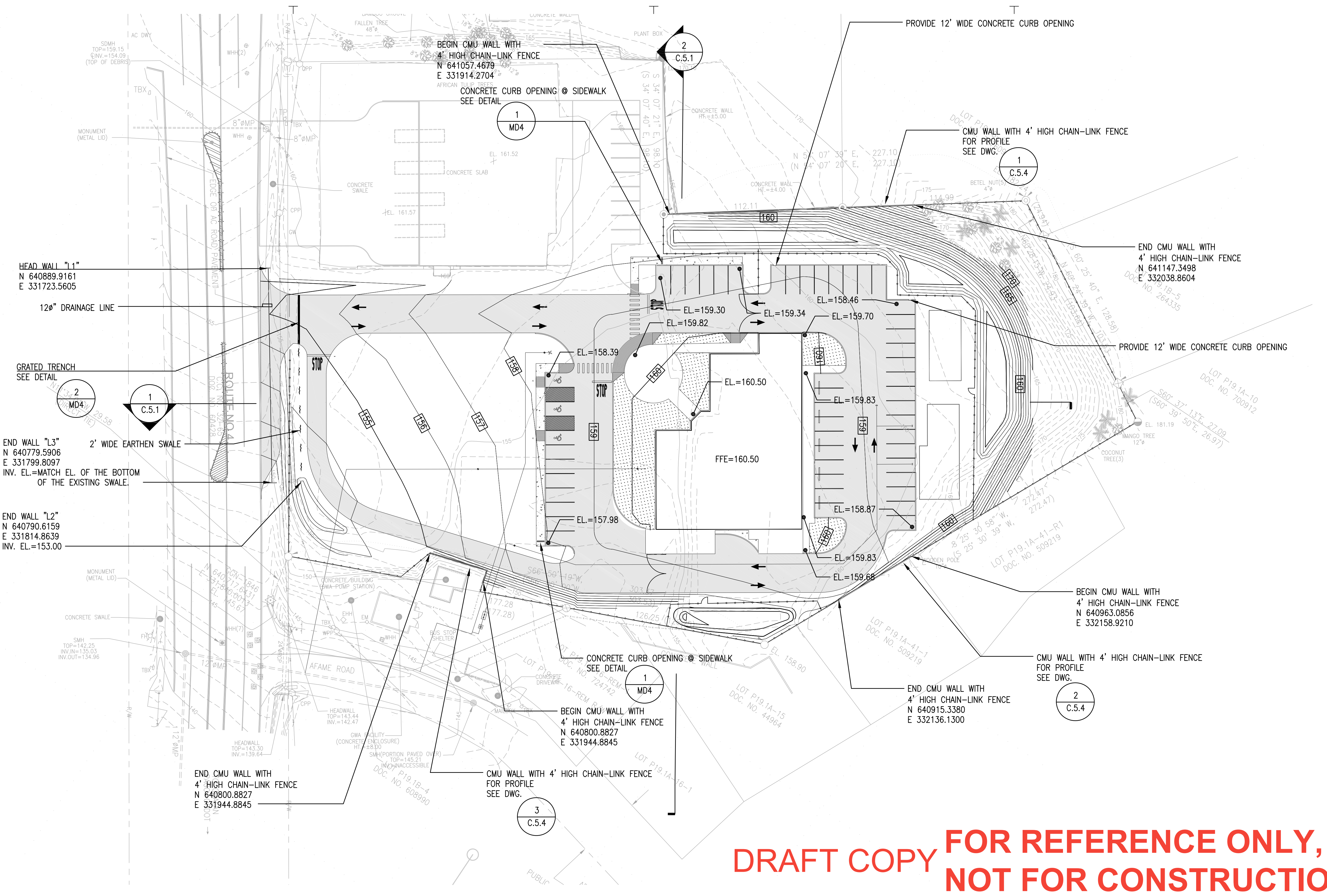
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OVERALL SITE PLAN

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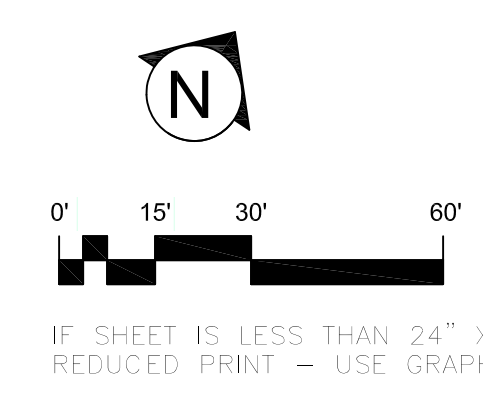
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1 SITE GRADING AND DRAINAGE PLAN
SCALE: 1" = 30'-0"



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BID DOCUMENTS

Project: CENTRAL POLICE PRECINCT

Title: SITE GRADING AND GRADING PLAN BID DOCUMENTS

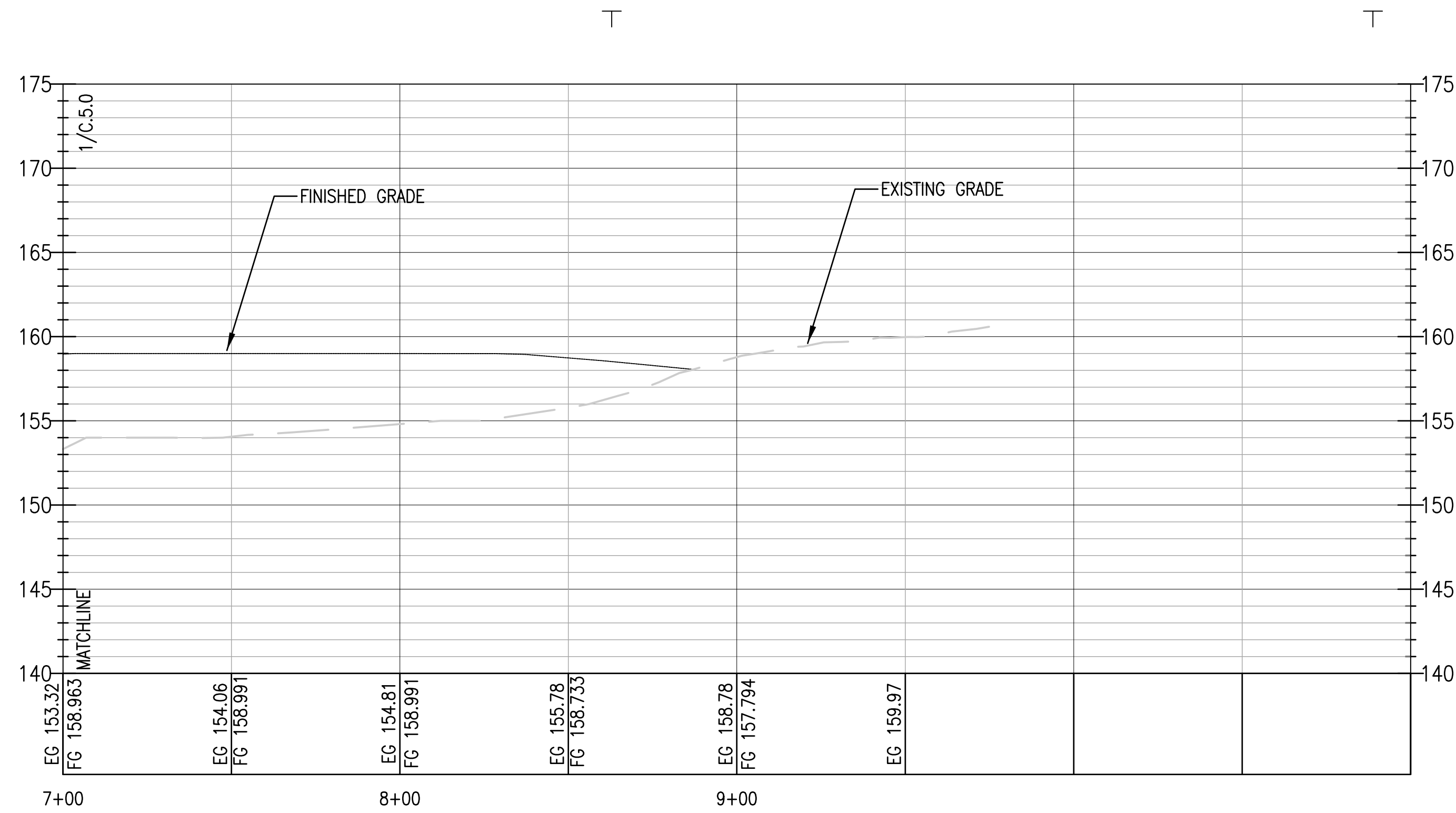
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Supv: EMS
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Date: 12/19/16

Project No. _____
Drawing No. _____

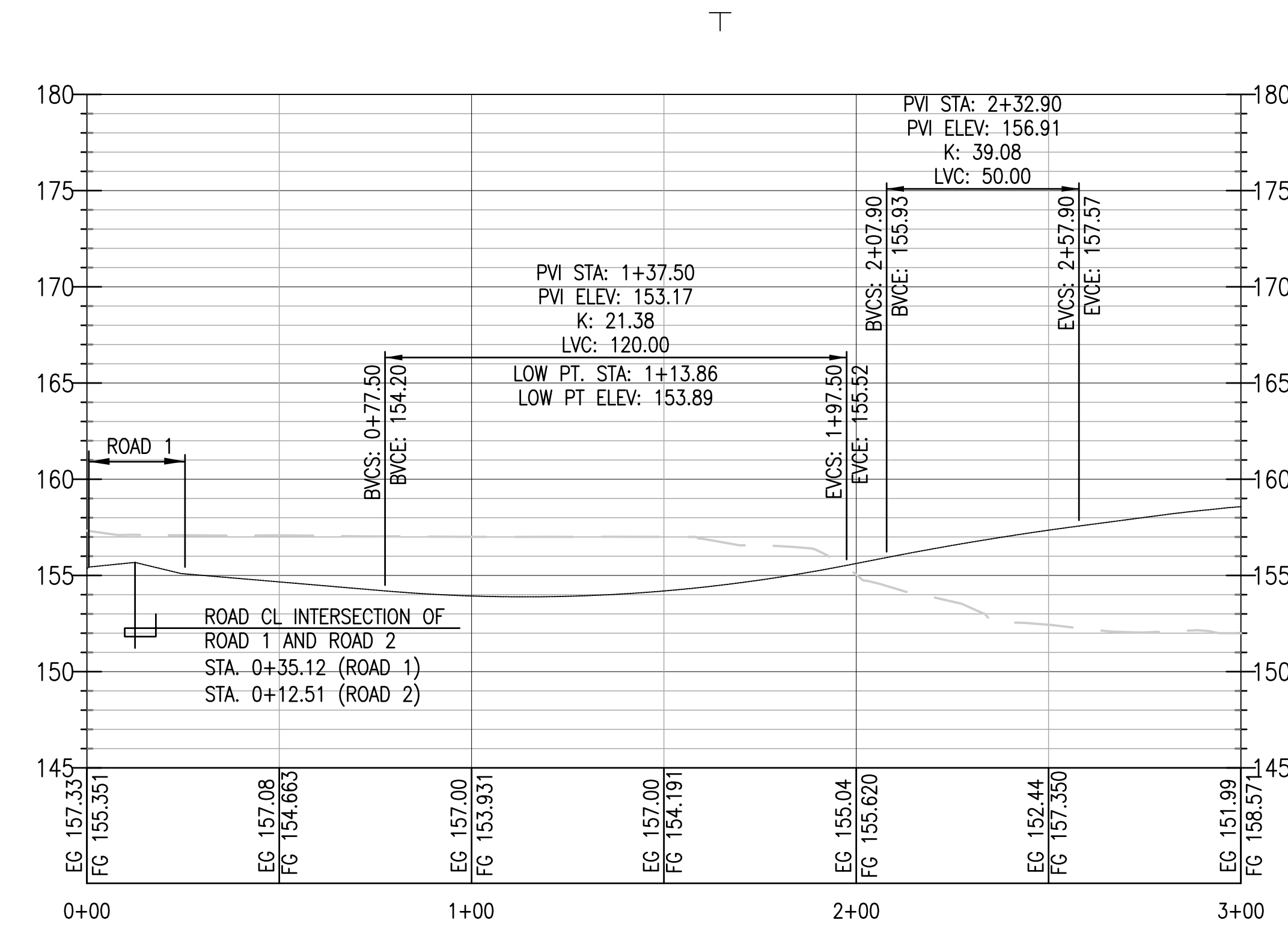
No. _____

C.4.0

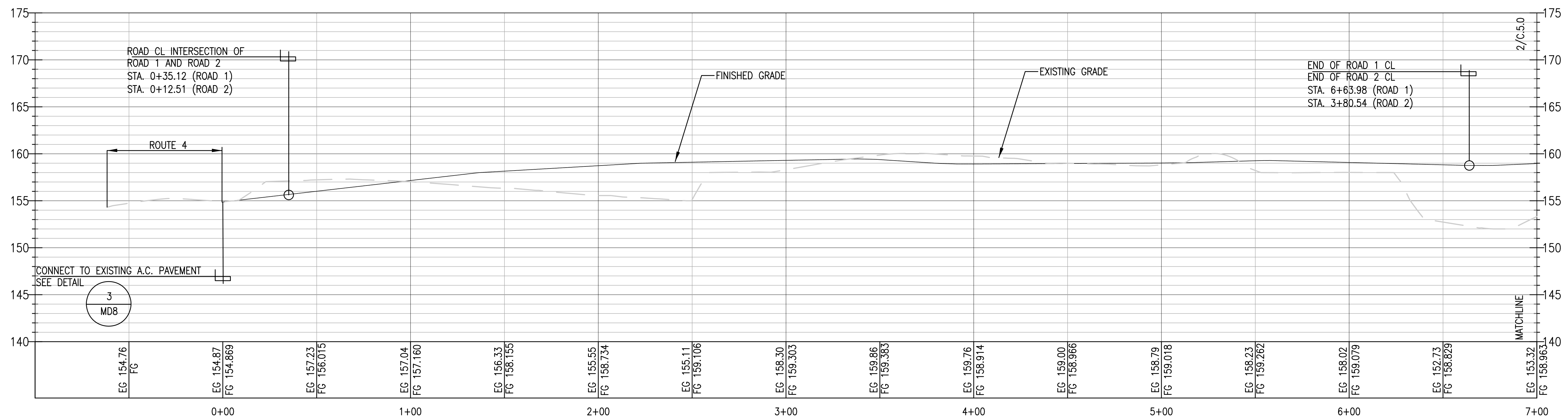
Sheet No. _____ of _____



2 ROAD 1 CENTERLINE PROFILE (STA. 7+00 TO STA 9+00)
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"

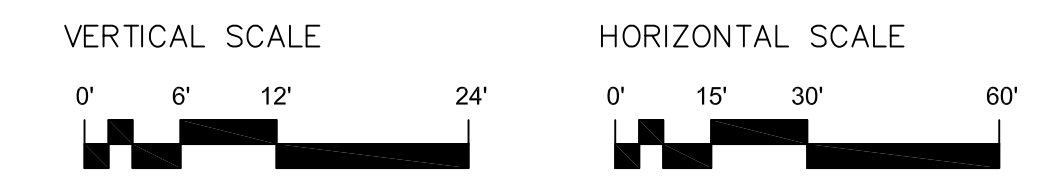


3 ROAD 1 CENTERLINE PROFILE (STA. 0+00 TO STA 3+00)
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"



1 ROAD 1 CENTERLINE PROFILE (STA. 0+00 TO STA 7+00)
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"

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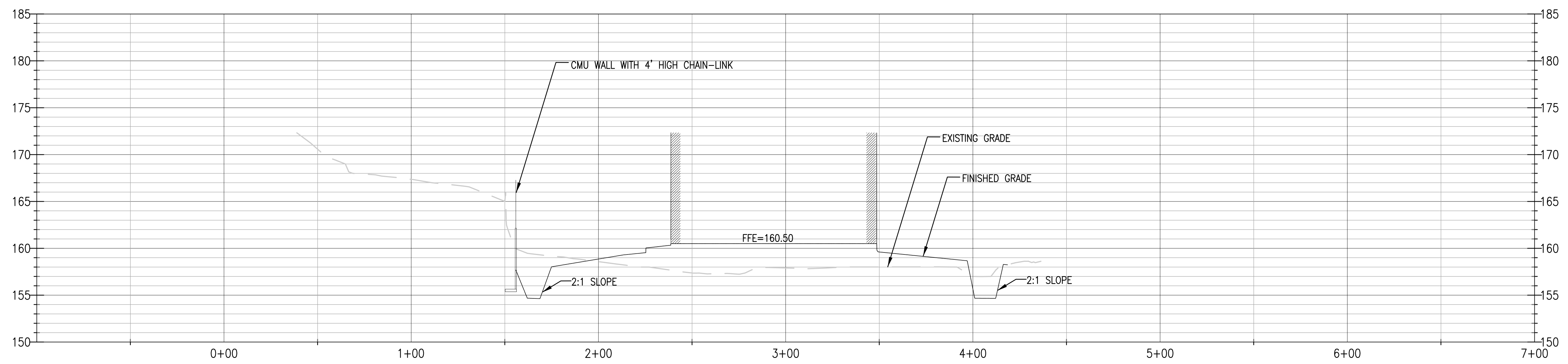
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Project:
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 POLICE PRECINCT

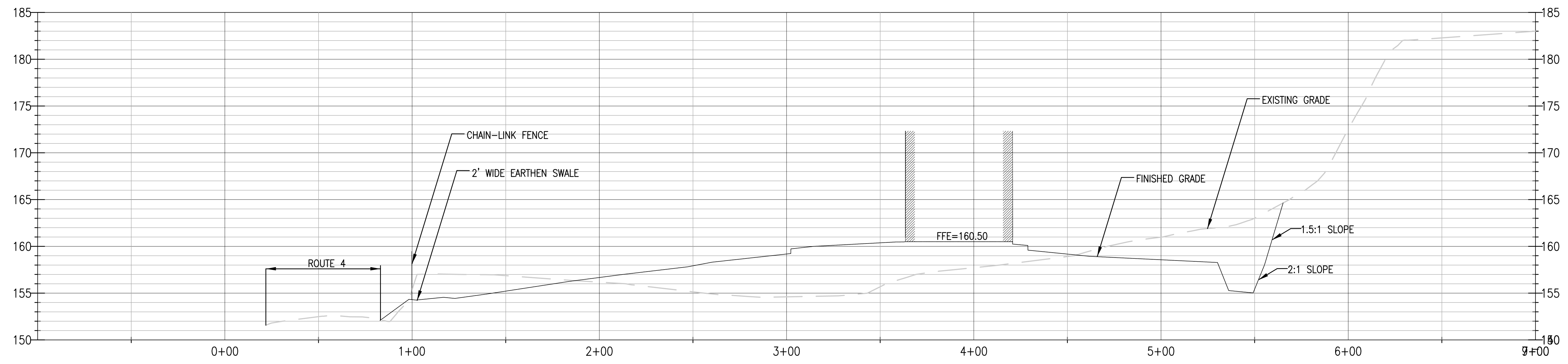
Title:
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 PROFILE

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Drawing No.	
C.5.0	
Sheet No.	of



2 TRANSVERSE SECTION
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"



1 LONGITUDINAL SECTION
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"

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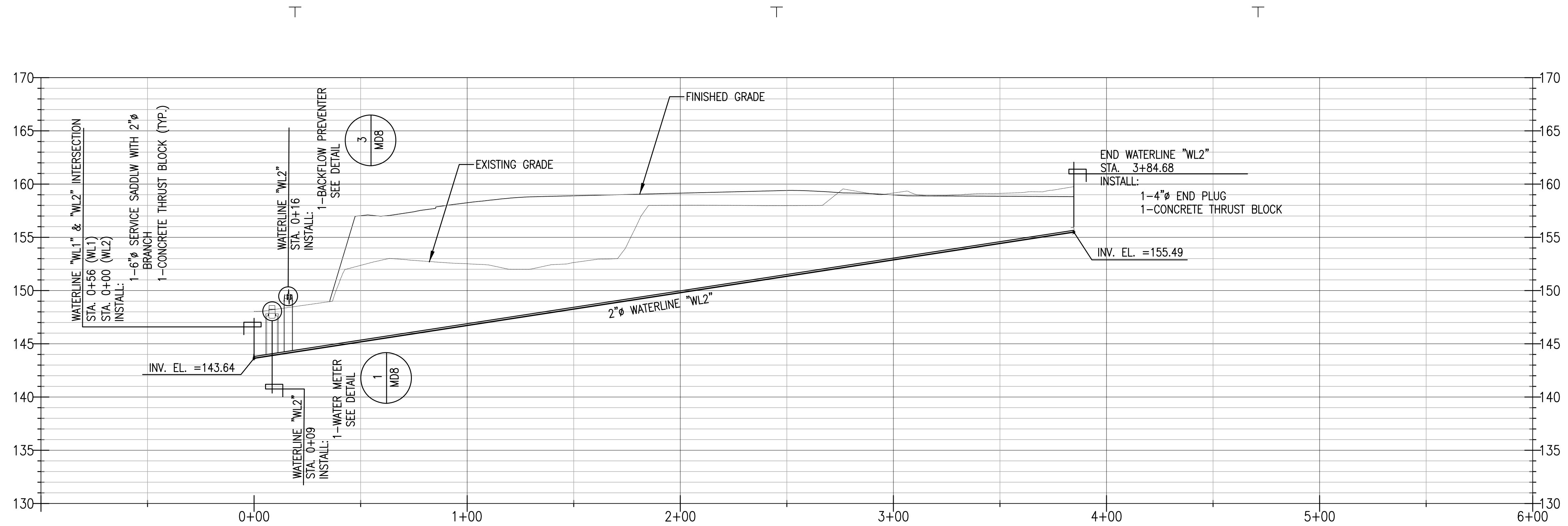
Project:
CENTRAL POLICE PRECINCT

Title:
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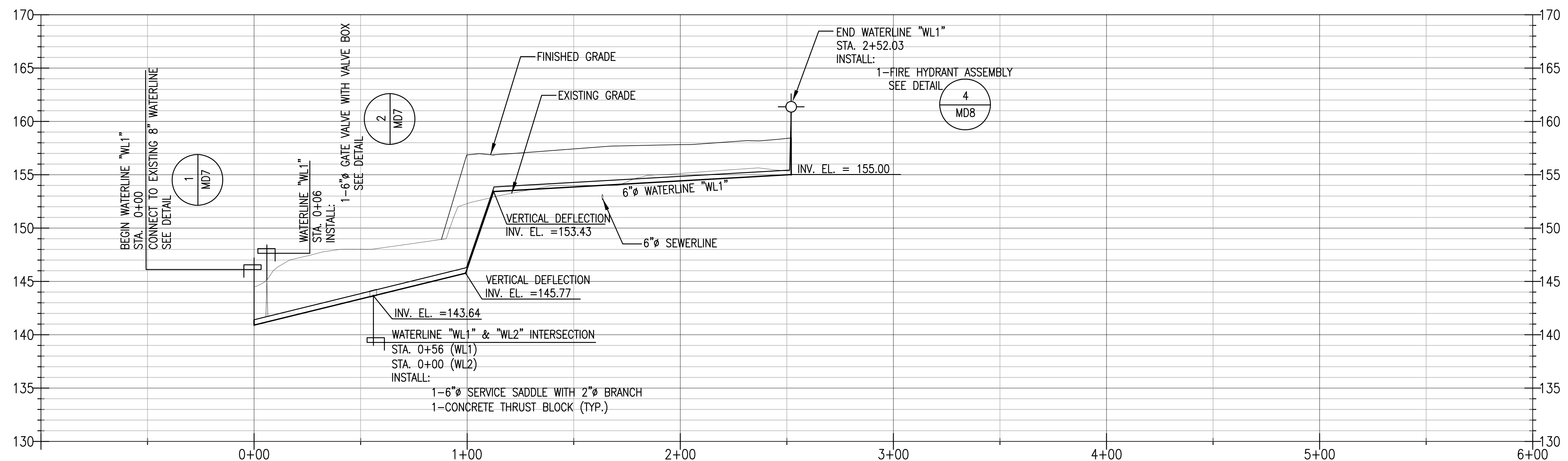
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Project No. File
 No. _____
 Drawing No.
C.5.1



2 WATERLINE "WL2" PROFILE
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"



1 WATERLINE "WL1" PROFILE
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"

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Project: **CENTRAL POLICE PRECINCT**

Title: **WATERLINE "WL1" AND WATERLINE "WL2" PROFILES**
 BID DOCUMENTS

Designed: DCA
 Drawn: DCA
 Checked: EMS
 Supv.: EMS
 Scale: AS SHOWN
 Date: 12/19/16
 Project No. Title
 No. _____

Drawing No. **C.5.2**
 Sheet No. _____ of _____

T T T

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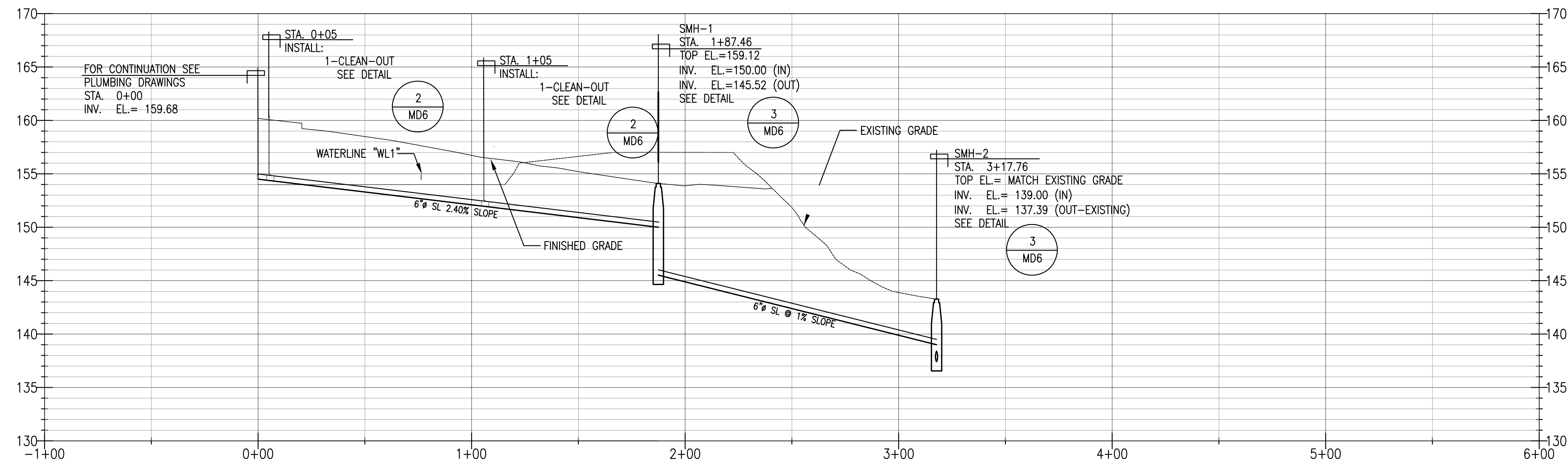
Project:
**CENTRAL
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Title:
SEWERLINE PROFILE

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 No. _____
 Drawing No. _____

C.5.3
 Sheet No. _____ of _____



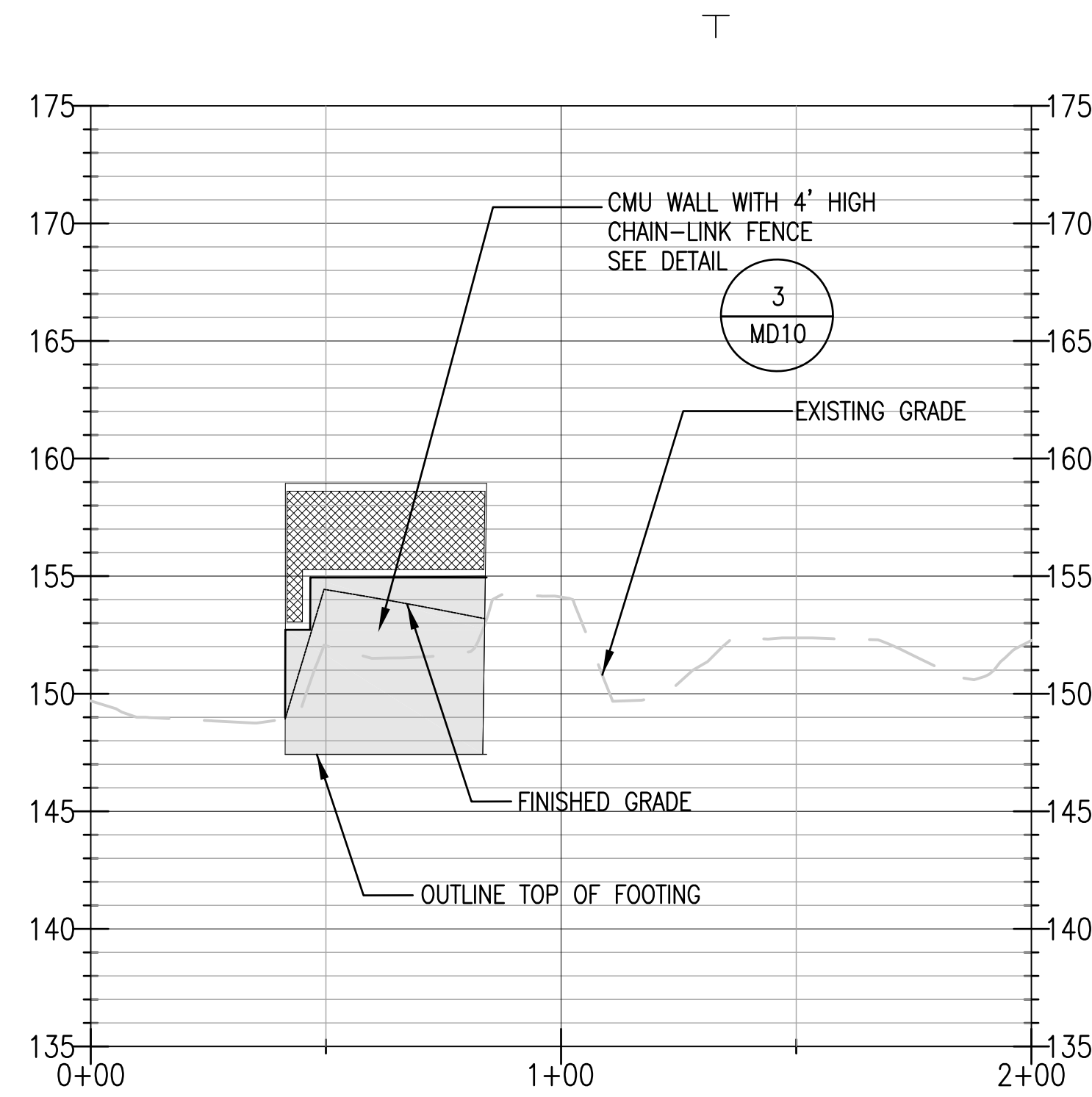
1 SEWERLINE PROFILE
 VERTICAL SCALE:
 HORIZONTAL SCALE:

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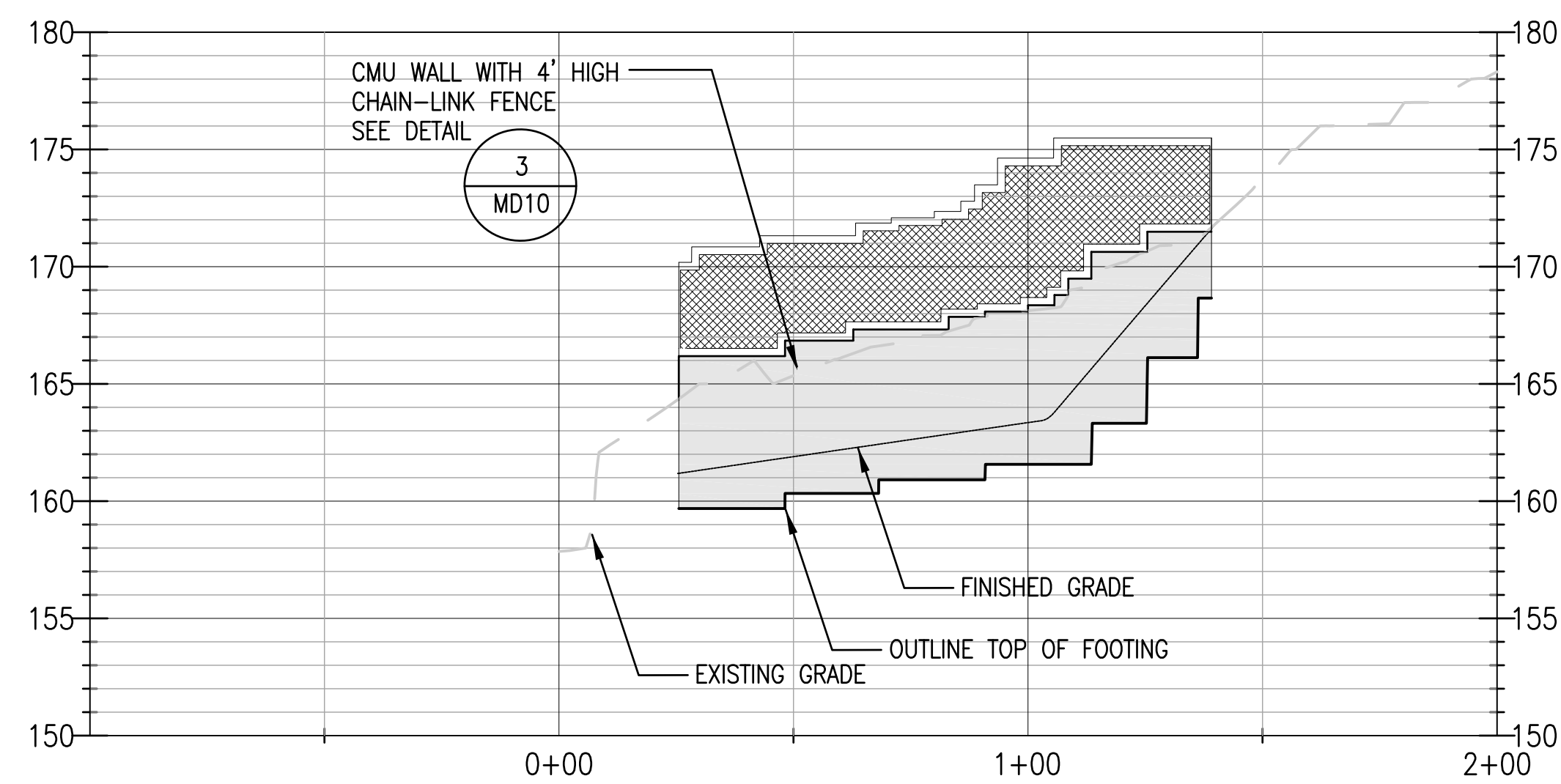
1" = 6'-0"
 1" = 30'-0"



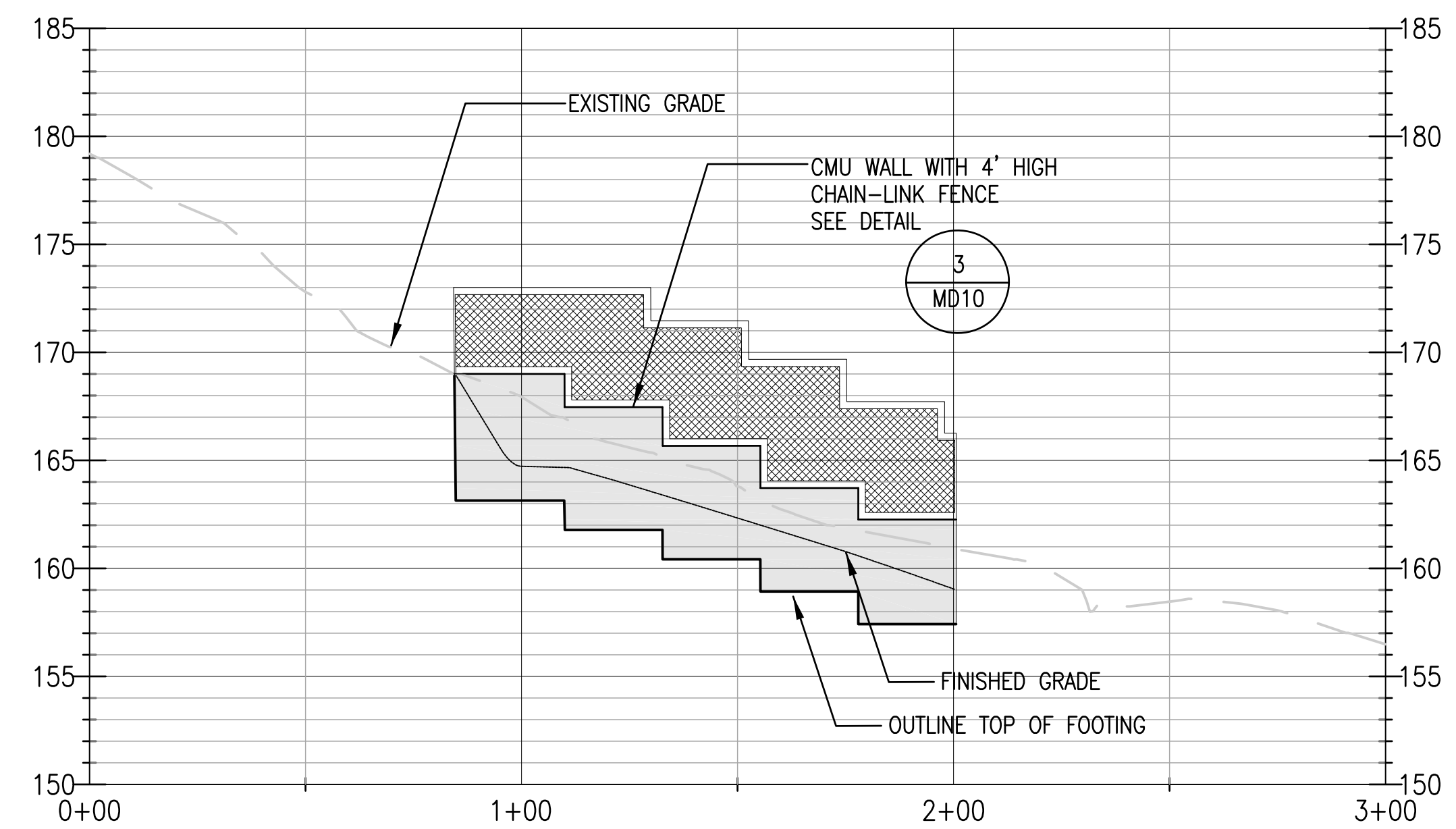
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3 CMU WALL 3 PROFILE
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"

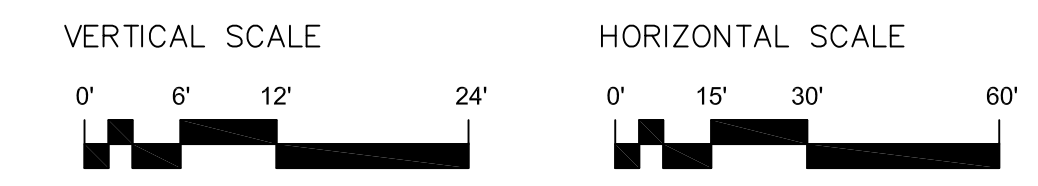


1 CMU WALL 1 PROFILE
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"



2 CMU WALL 2 PROFILE
 VERTICAL SCALE: 1" = 6'-0"
 HORIZONTAL SCALE: 1" = 30'-0"

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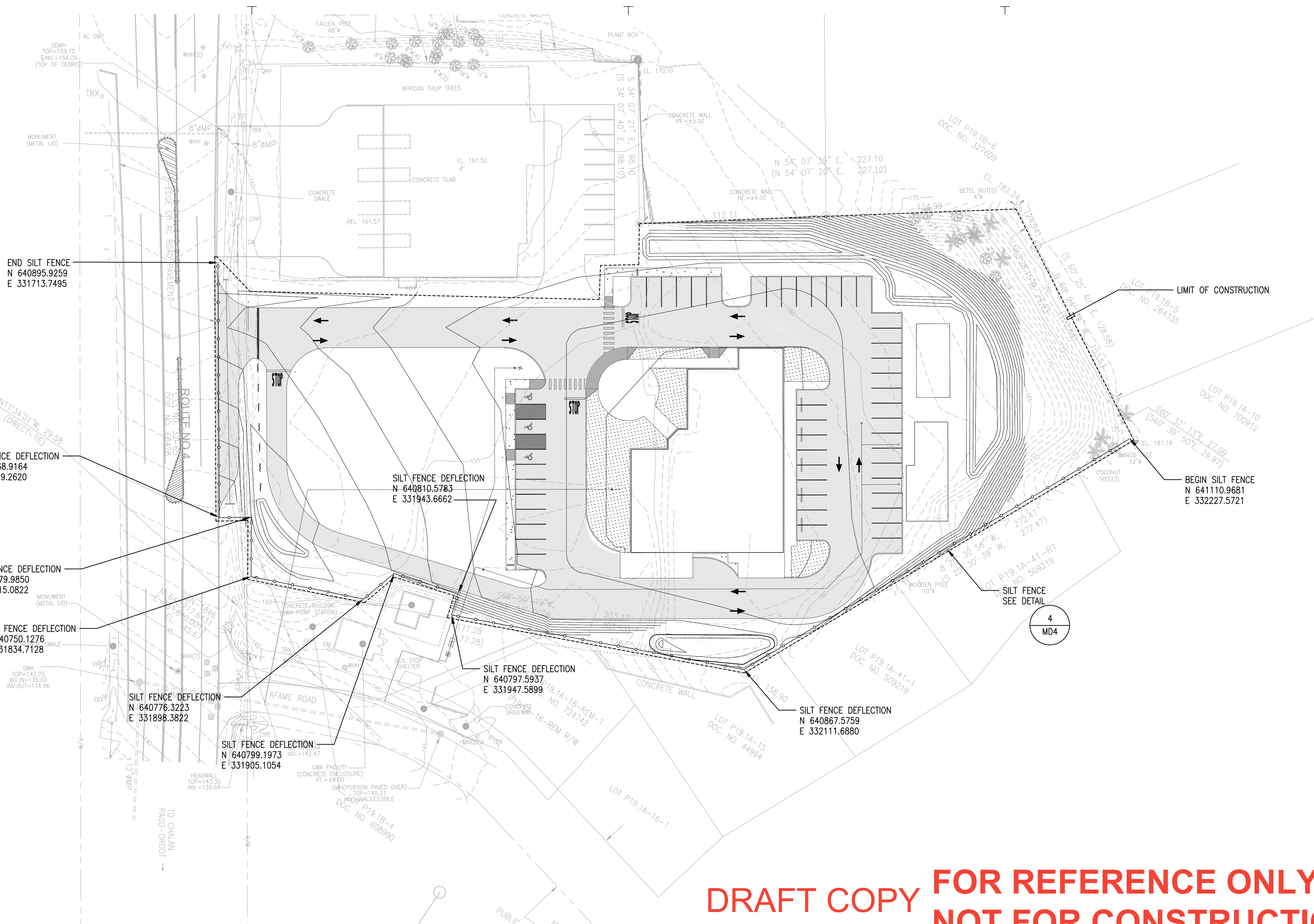
Project:
CENTRAL POLICE PRECINCT

Title:
WALL PROFILES

BID DOCUMENTS

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 Scale: AS SHOWN
 Date: 12/19/16
 Project No. File
 No. Drawing No.

C.5.4
 Sheet No. of



END SILT FENCE
N 640895.9259
E 331713.7495

SILT FENCE DEFLECTION
N 640768.9164
E 331799.2620

SILT FENCE DEFLECTION
N 640779.9850
E 331815.0822

SILT FENCE DEFLECTION
N 640750.1276
E 331834.7128

SILT FENCE DEFLECTION
N 640776.3223
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SILT FENCE DEFLECTION
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E 331943.6662

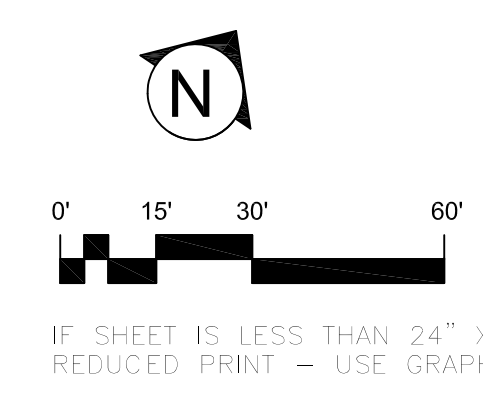
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N 640797.5937
E 331947.5899

SILT FENCE DEFLECTION
N 640867.5759
E 332111.6880

BEGIN SILT FENCE
N 641110.9681
E 332227.5721

1 EROSION CONTROL PLAN
SCALE: 1" = 30'-0"

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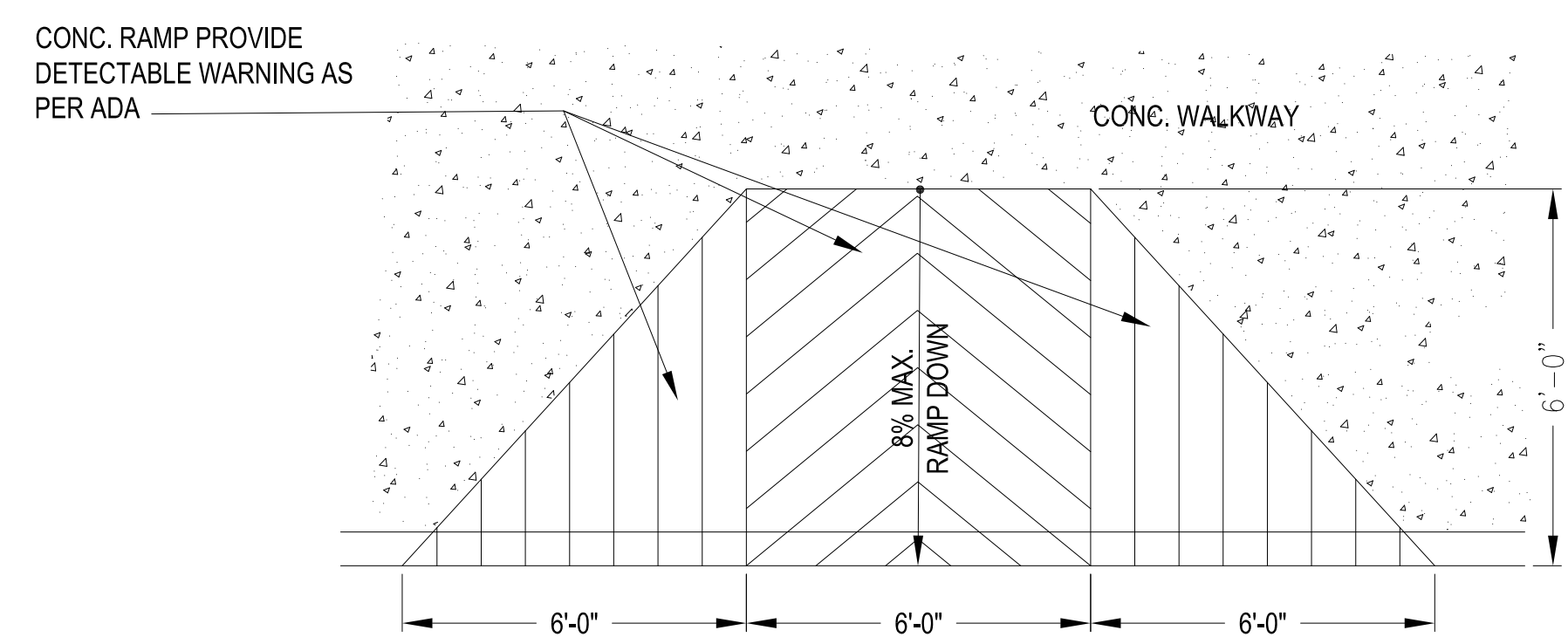
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Title: **EROSION CONTROL PLAN**

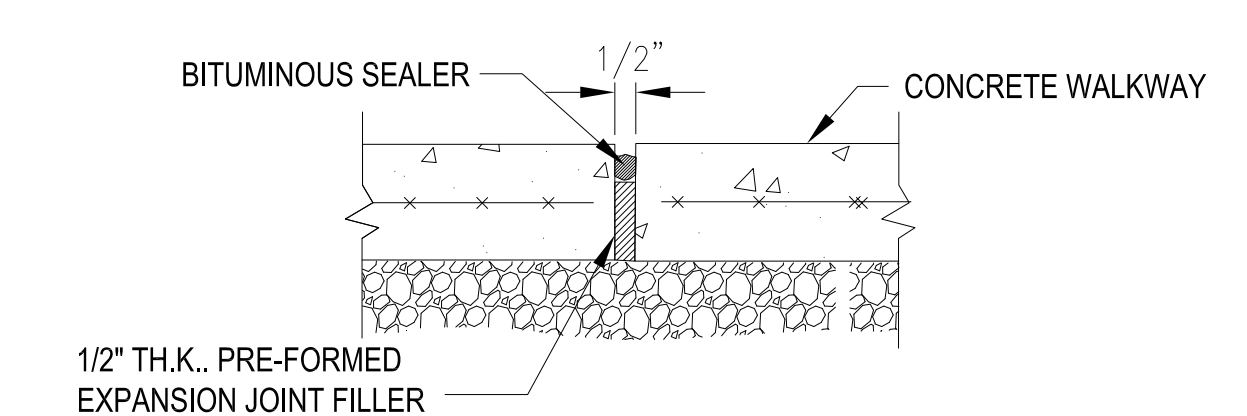
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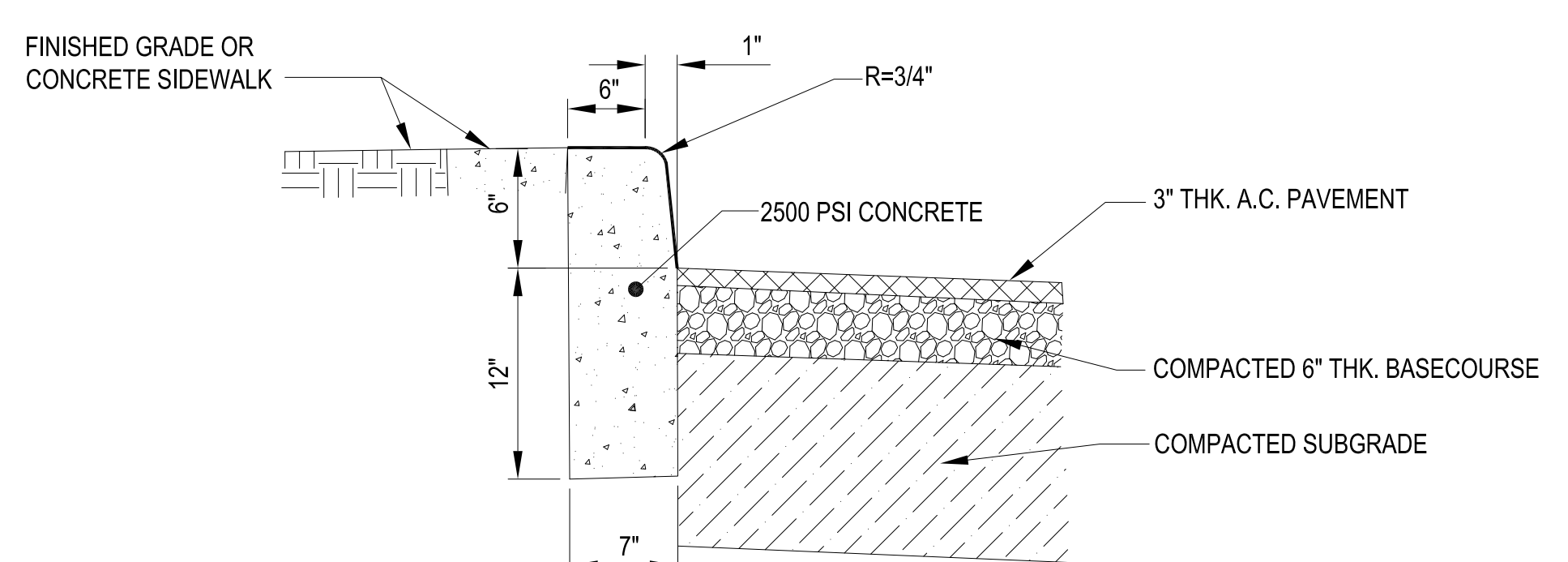
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Drawing No. **C.6.0**



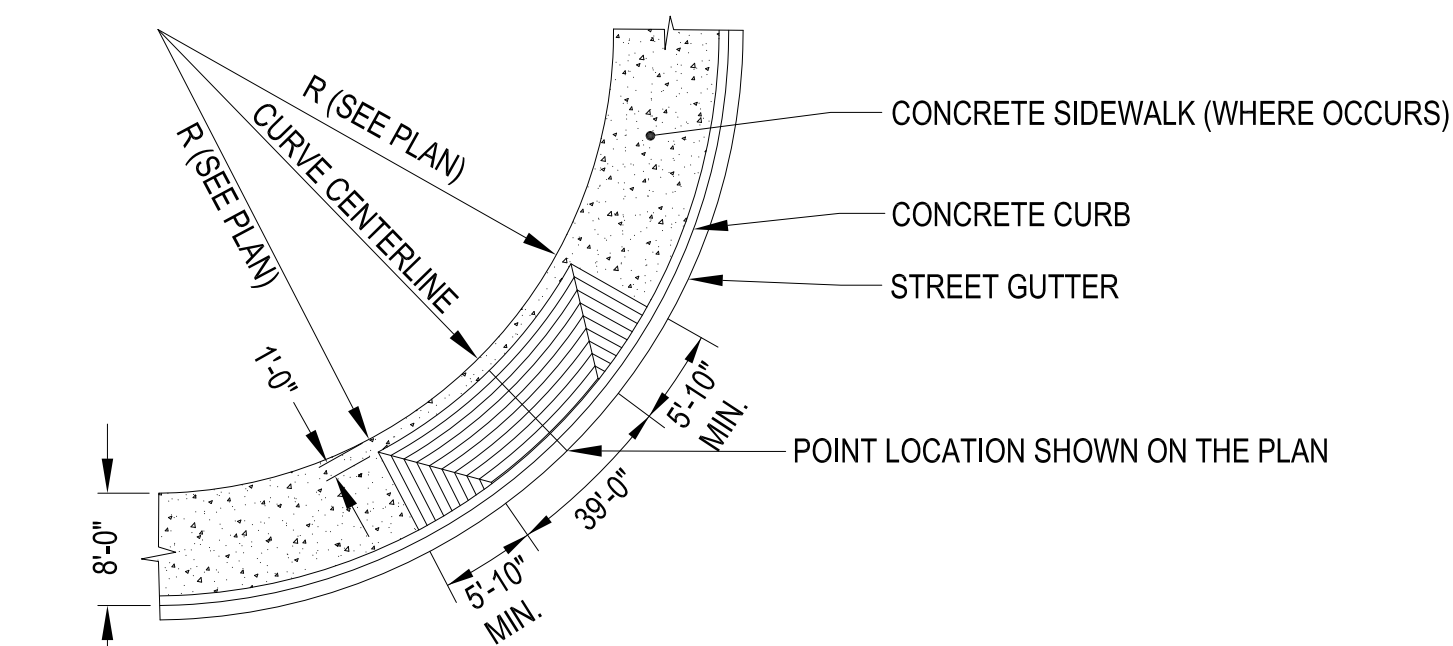
5D TYPE "3" PLAN
MD1 NOT TO SCALE



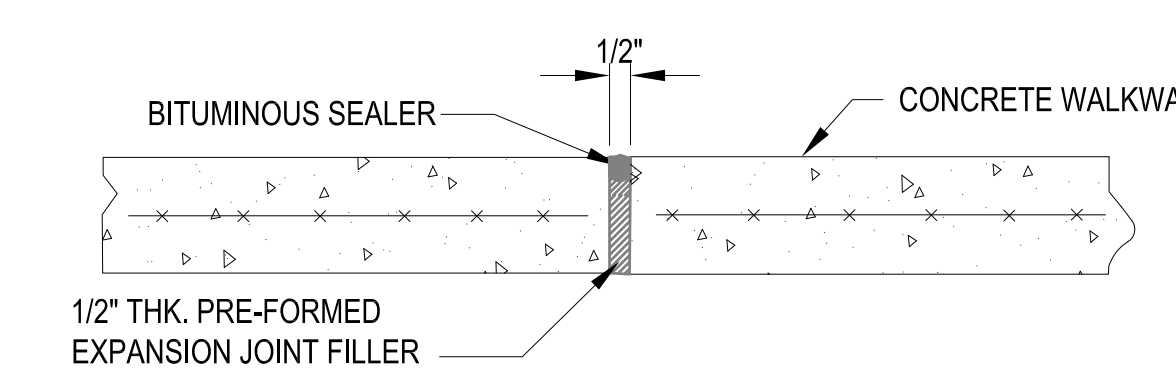
6D EXPANSION JOINT
MD1 NOT TO SCALE



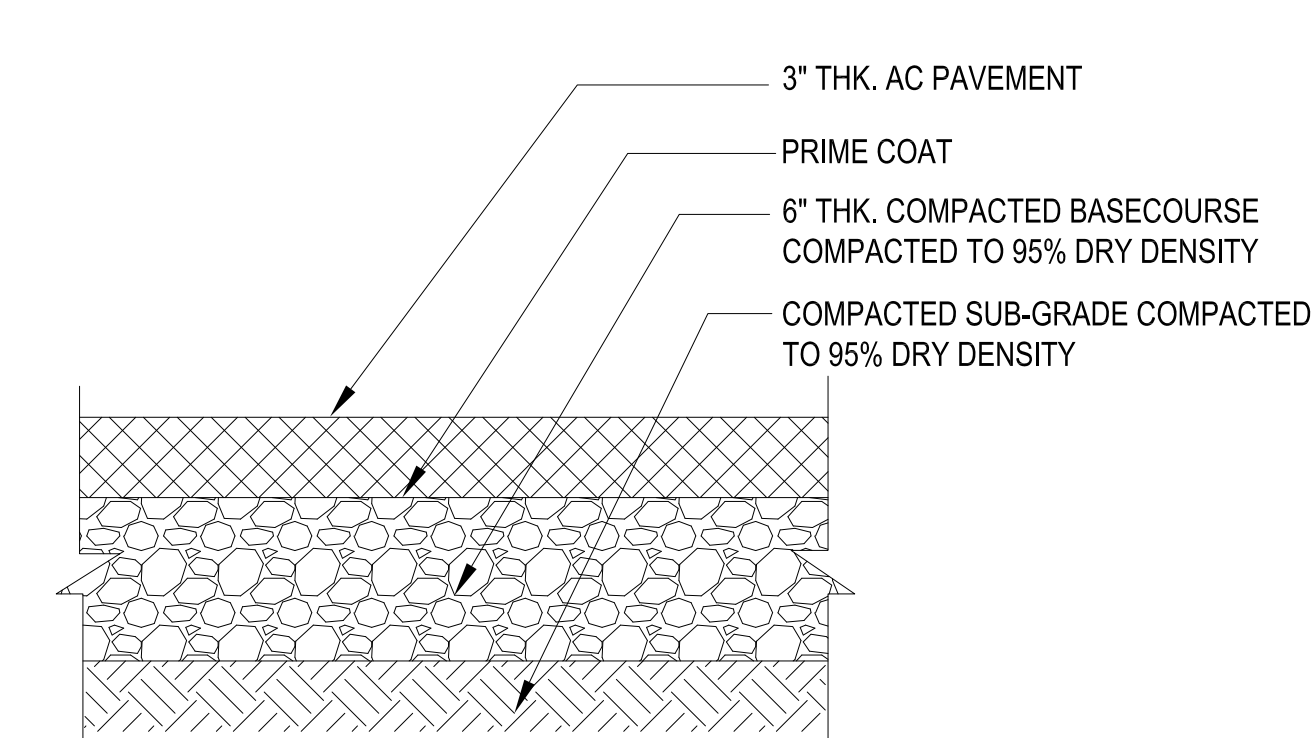
3 CONCRETE CURB DETAIL
MD1 NOT TO SCALE



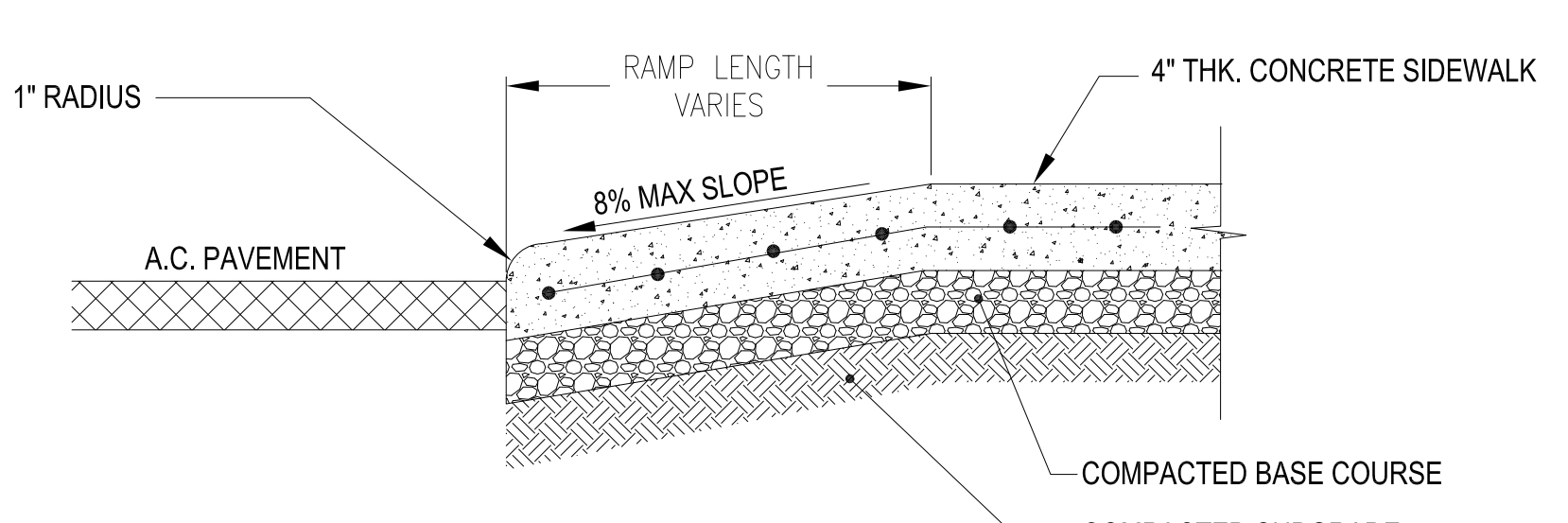
5C TYPE "2" PLAN
MD1 NOT TO SCALE



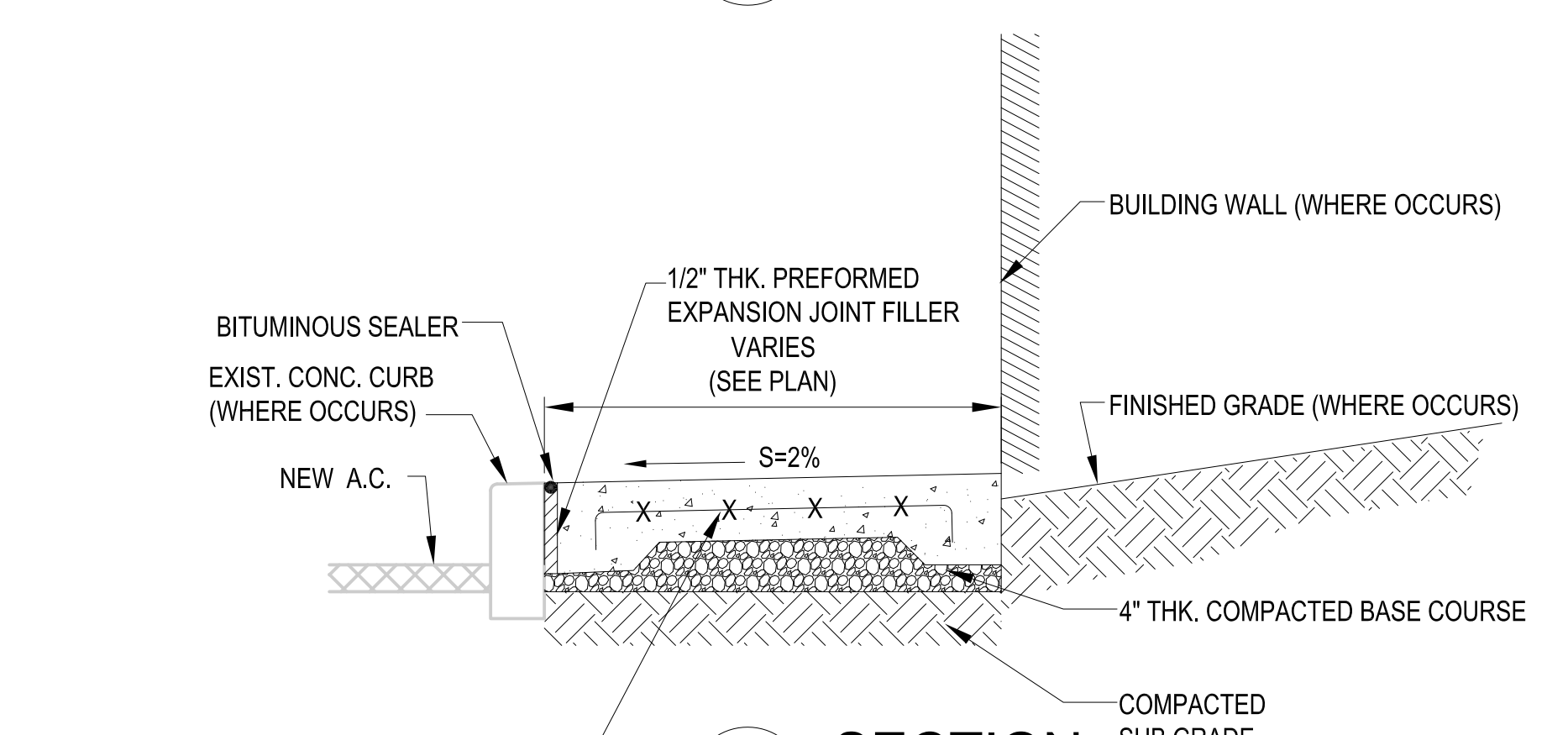
6C SECTION
C802 NOT TO SCALE



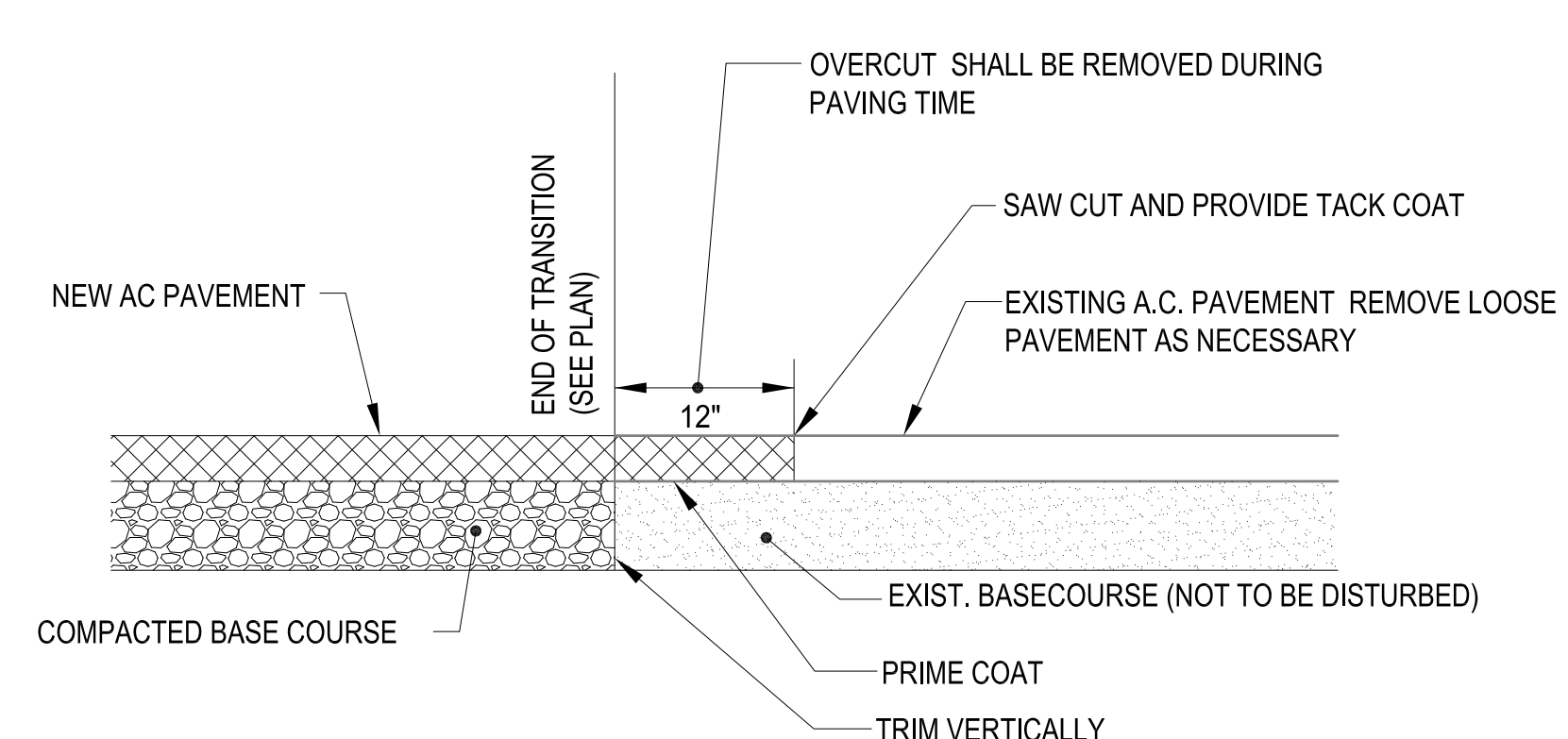
2 TYPICAL ASPHALT CONCRETE PAVEMENT SECTION
MD1 NOT TO SCALE



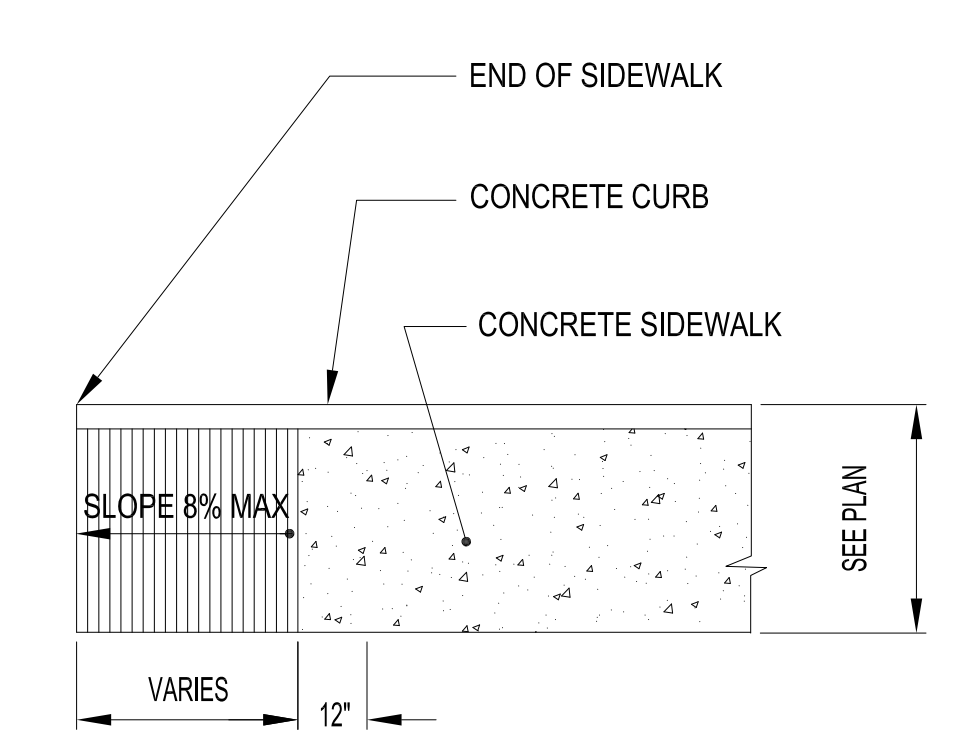
5B TYPE-1 SECTION
MD1 NOT TO SCALE



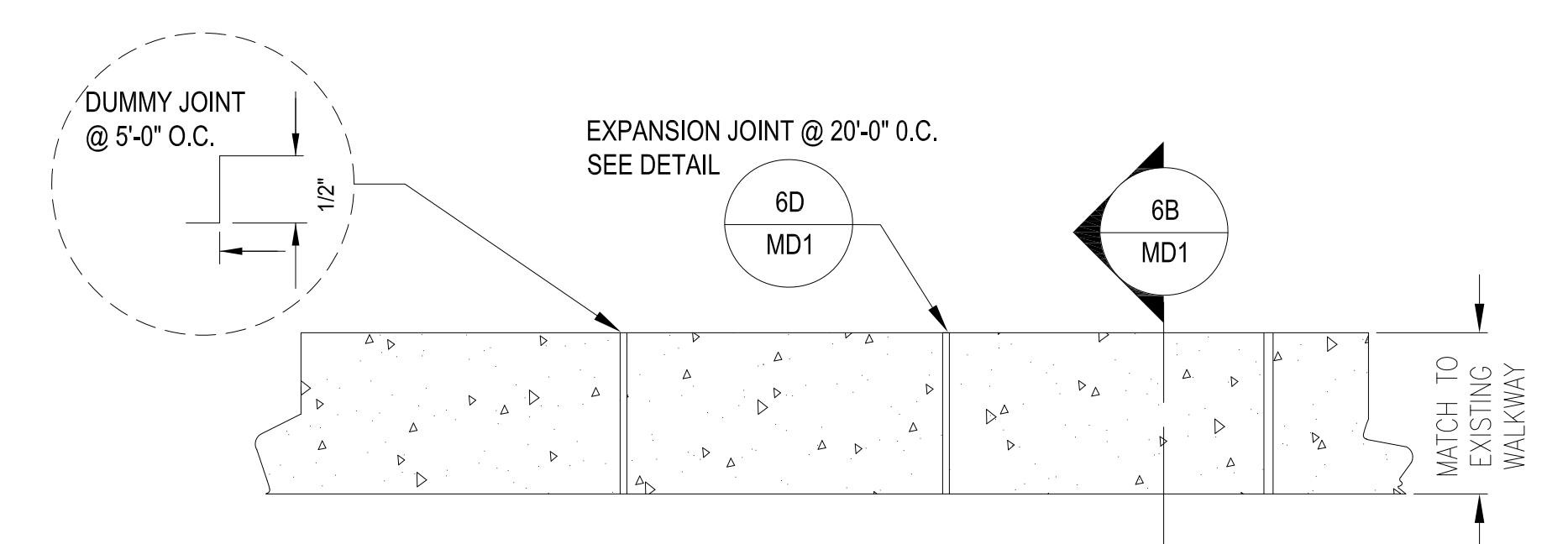
6B SECTION
MD1 NOT TO SCALE



1 CONNECTION BETWEEN NEW A.C. PAVEMENT AND EXISTING A.C. PAVEMENT DETAIL
MD1 NOT TO SCALE



5A TYPE-1 PLAN
MD1 NOT TO SCALE



6 CONCRETE WALKWAY DETAILS
MD1 NOT TO SCALE

5 CONCRETE RAMP DETAILS
MD1 NOT TO SCALE

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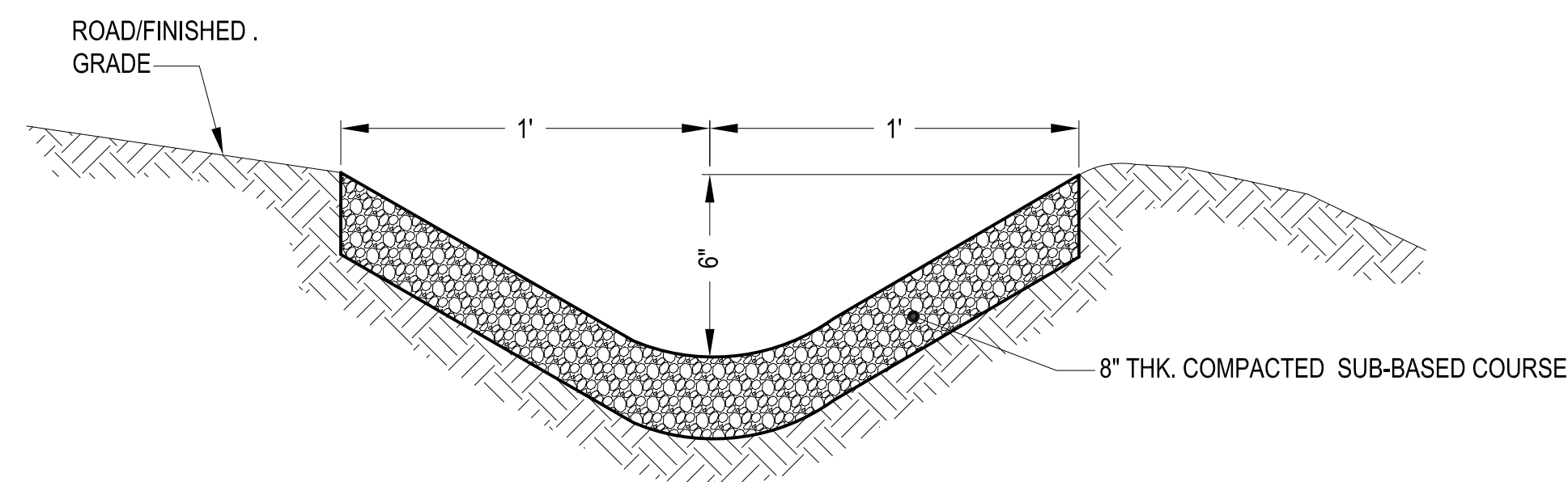
Project:
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Title:
MISCELLANEOUS
DETAILS

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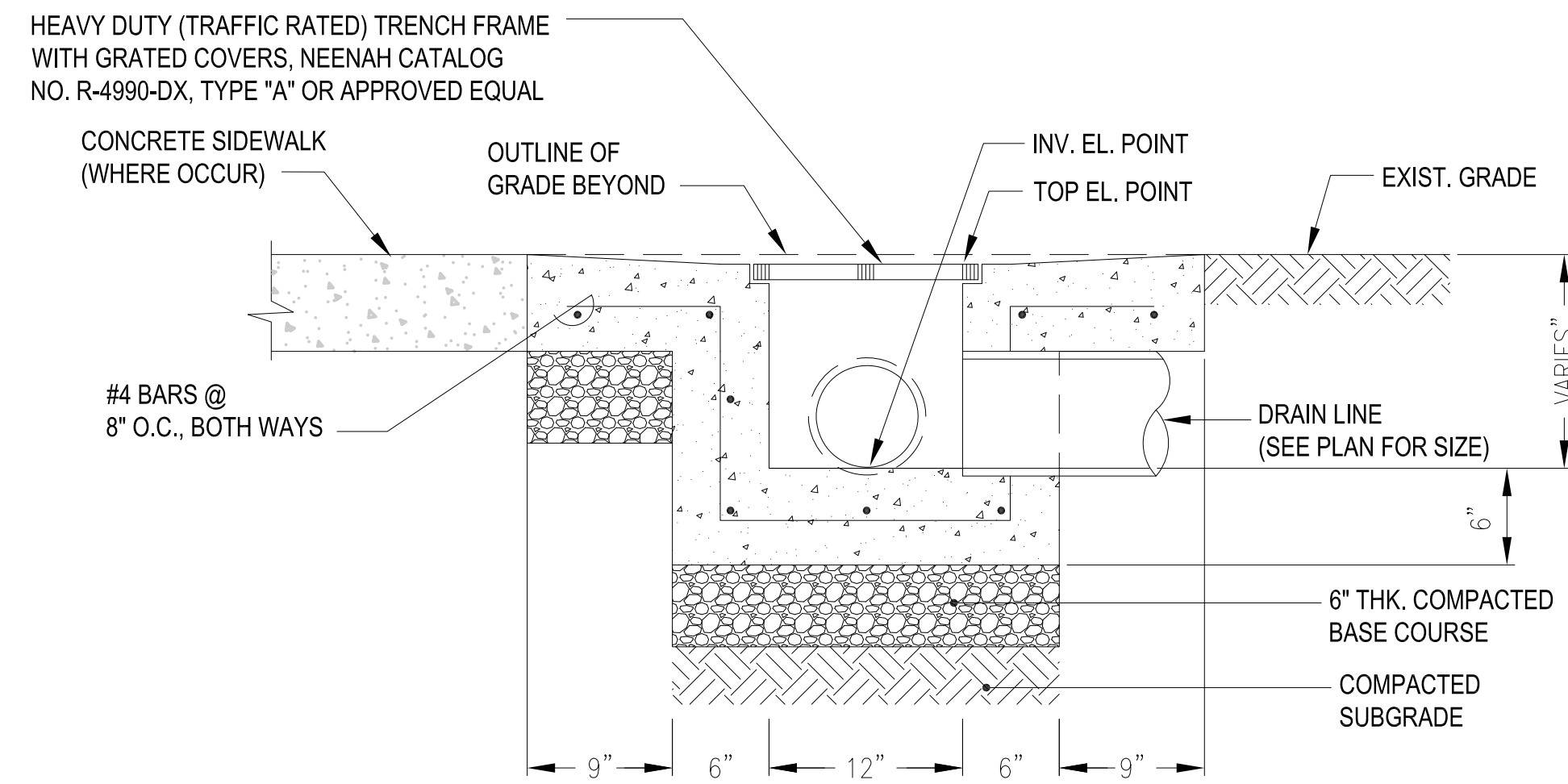
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Scale: AS SHOWN
Date: 12/19/16

Project No. Title
Drawing No.
MD1

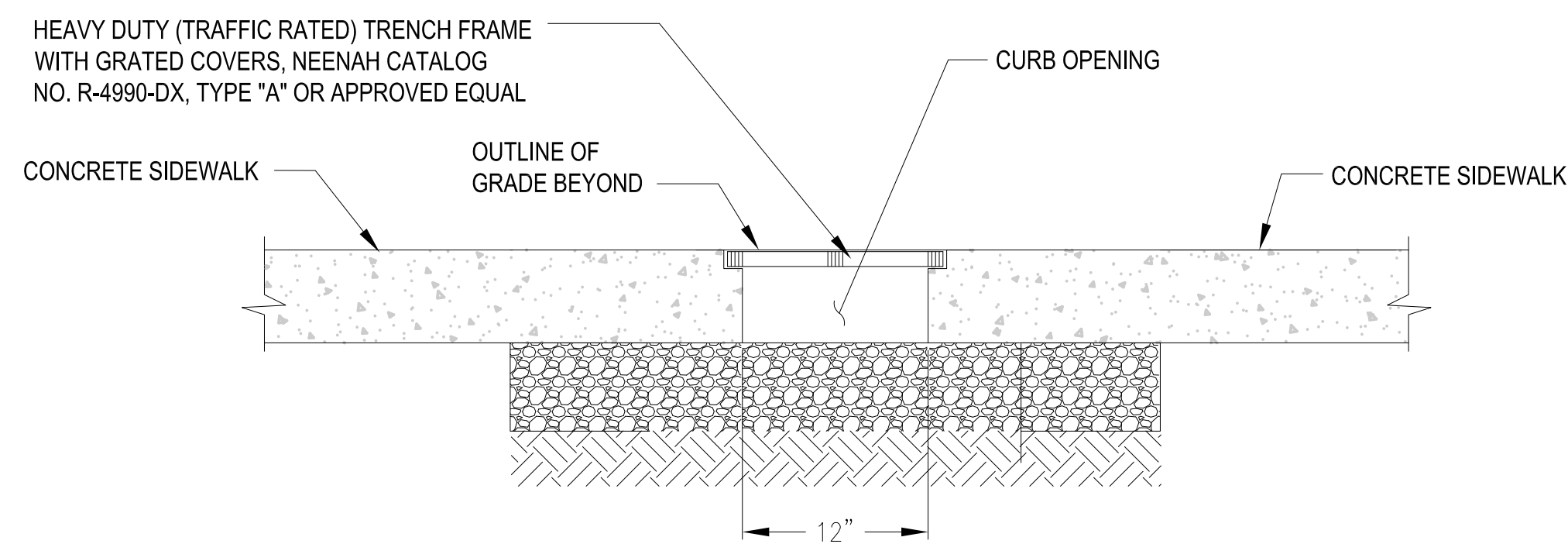


NOTE:
CONTRACTOR SHALL PROVIDE REQUIRED
SWALES DEPTH TO MAINTAIN POSITIVE SLOPE.

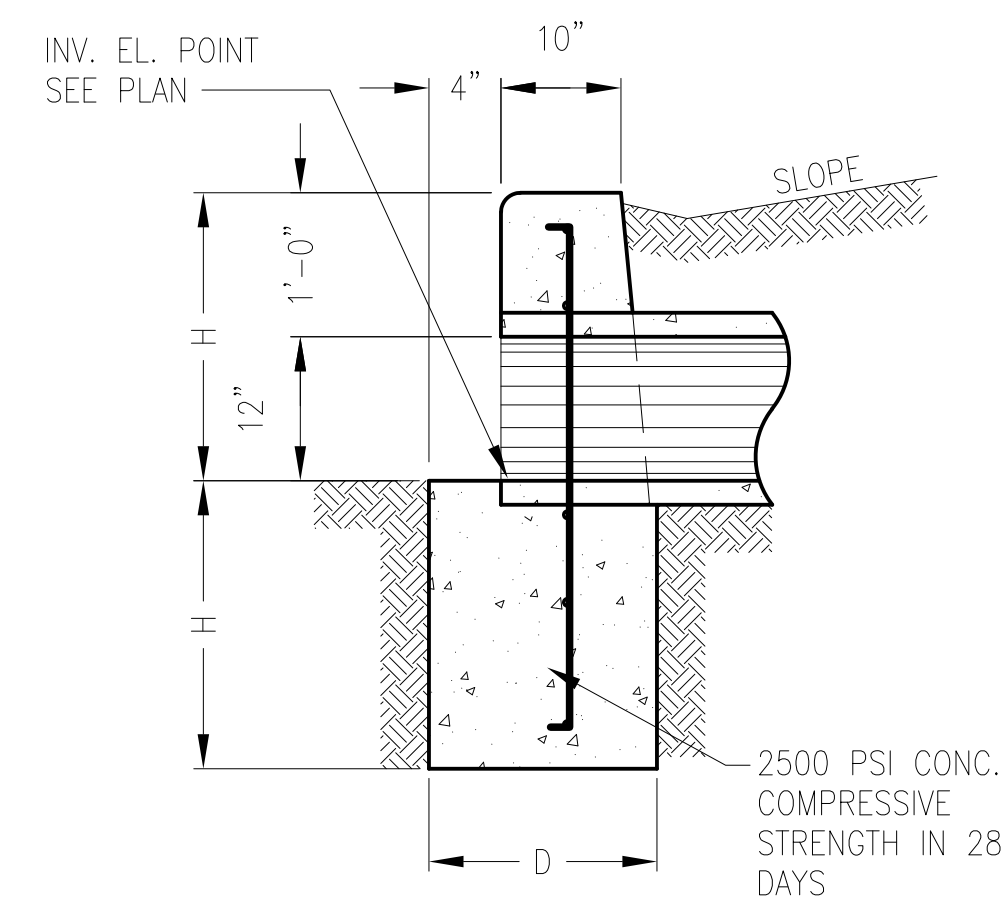
3 EARTHEN LINED SWALE
MD4 NOT TO SCALE



2 GRATED CONCRETE CHANNEL
MD4 NOT TO SCALE

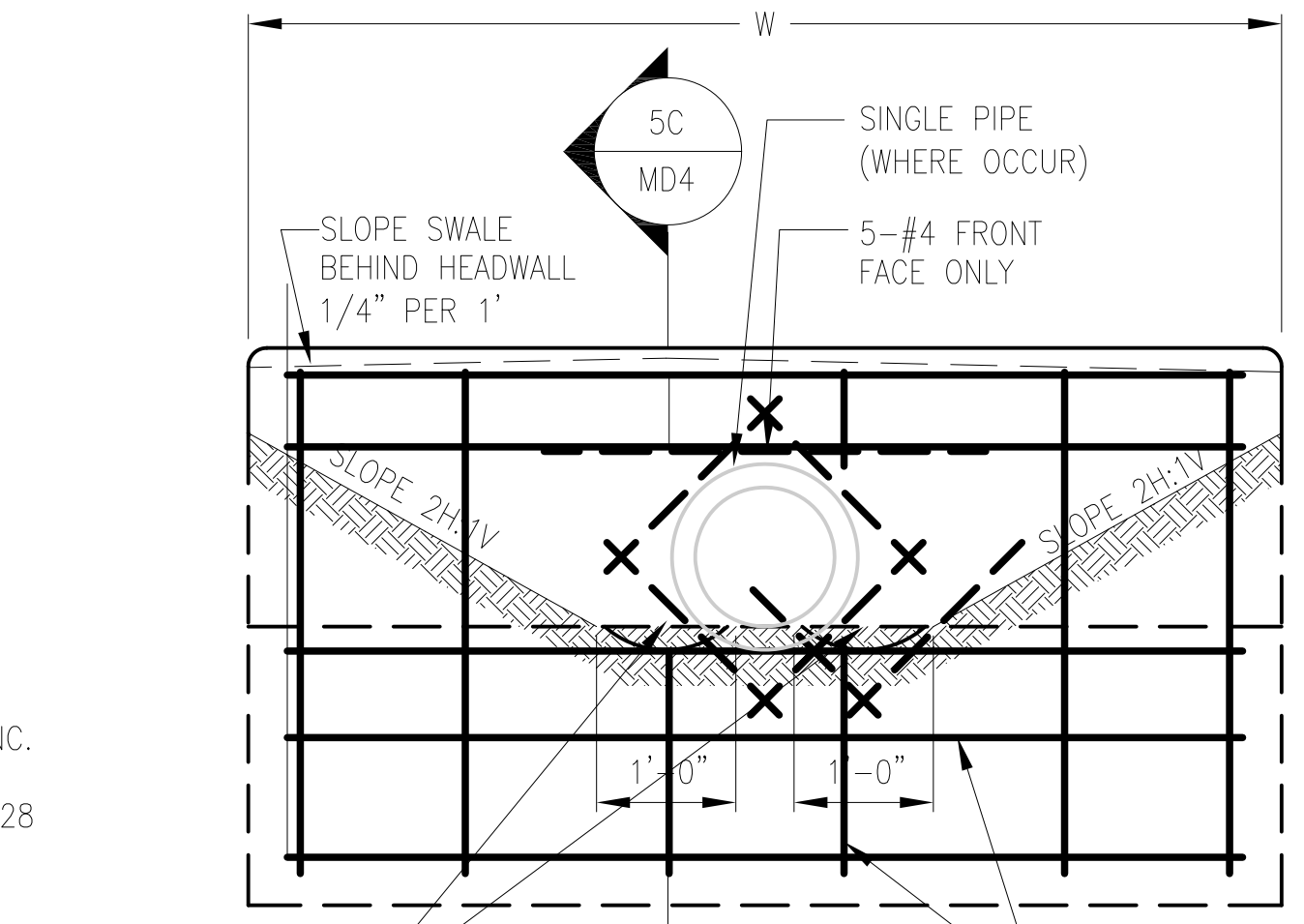


1 CONCRETE CURB OPENING @ SIDEWALK DETAILS
MD4 NOT TO SCALE

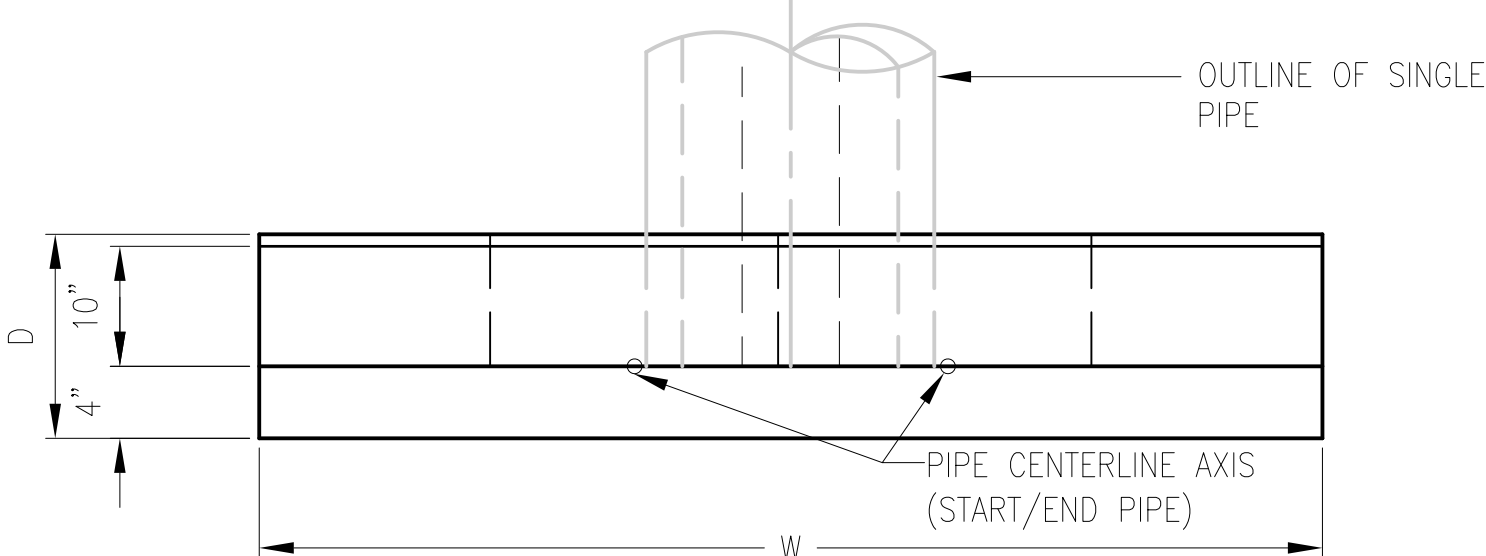


5C SECTION
MD4 NOT TO SCALE

NO. OF 12" PIPE	W
SINGLE PIPE	5'-6"
DOUBLE PIPE	7'-0"

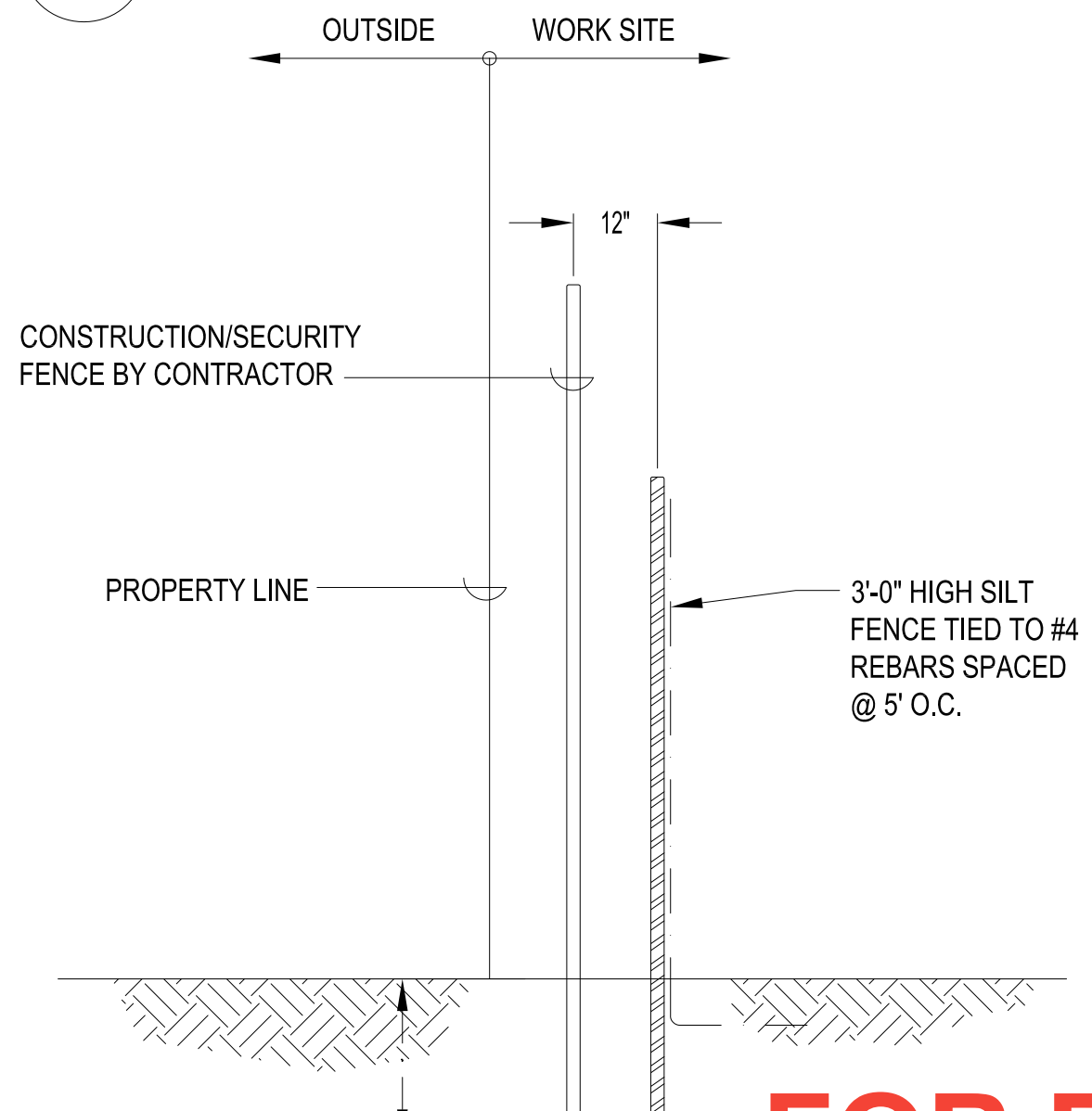


5B ELEVATION
MD4 NOT TO SCALE



5A PLAN
MD4 NOT TO SCALE

5 CONCRETE HEADWALL/ END WALL DETAILS
MD4 NOT TO SCALE



4 SILT FENCE DETAIL
MD4 NOT TO SCALE

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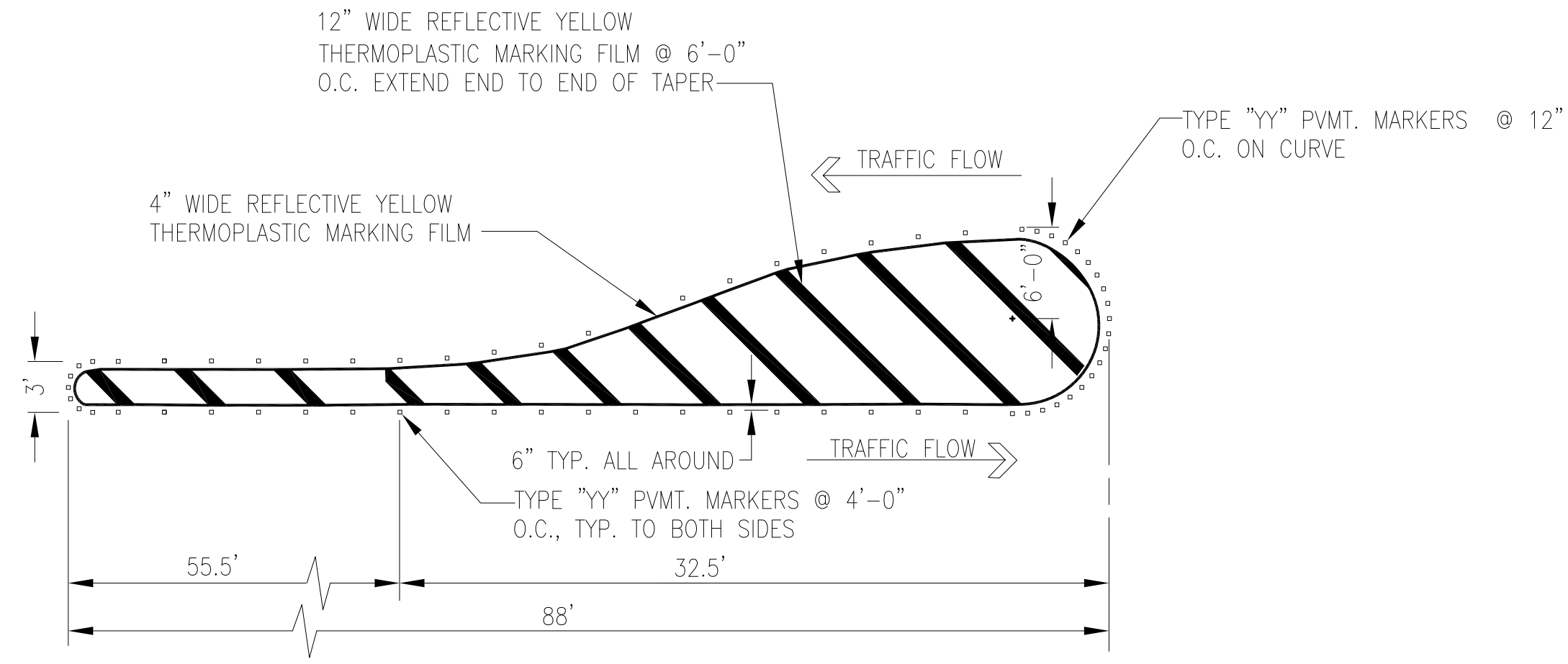
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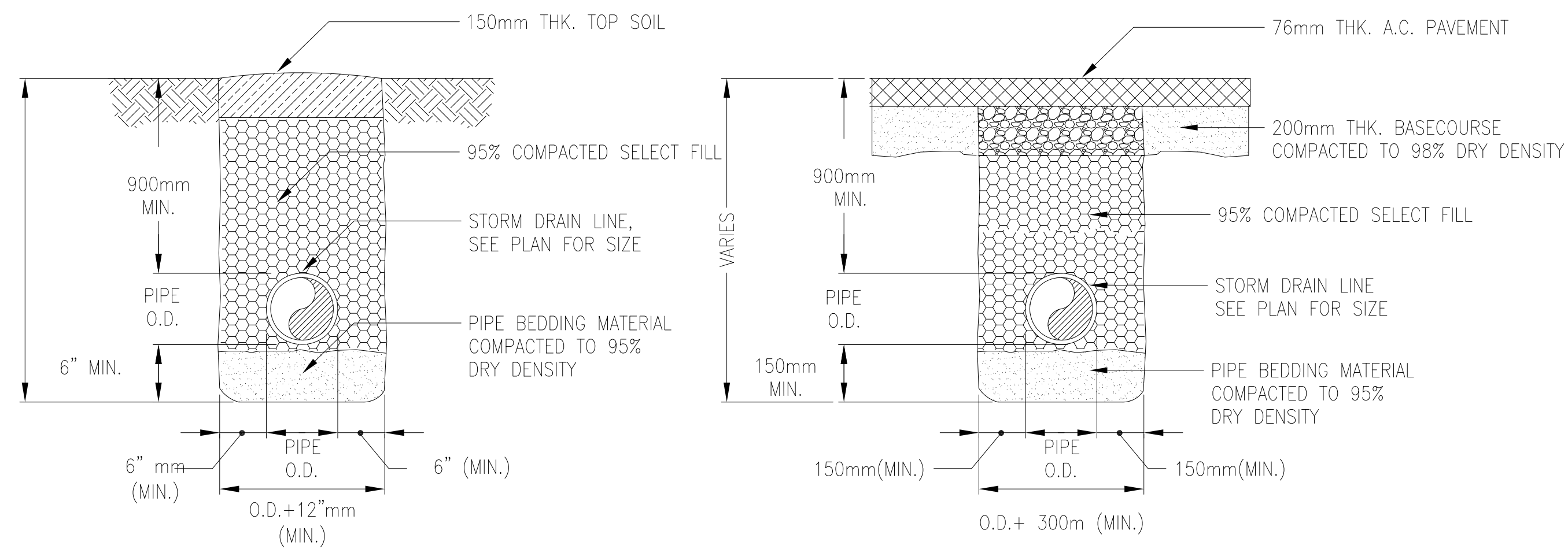
Title:
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DETAILS

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Date: 12/19/16
Project No. Title
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Drawing No. _____

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Sheet No. _____ of _____



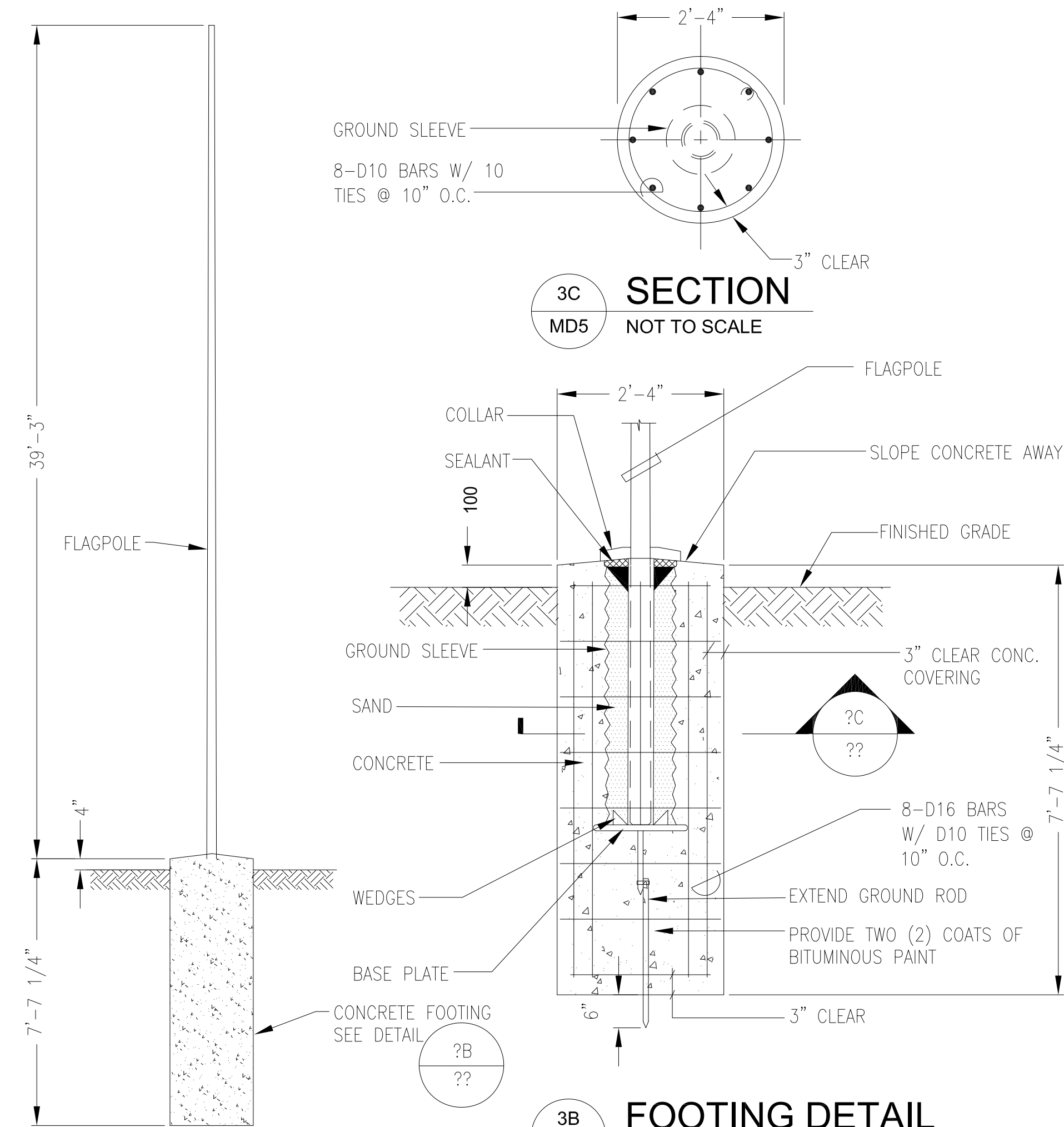
2 FLUSH MEDIAN DETAIL
MD5 NOT TO SCALE



1A @ LANDSCAPE
MD5 NOT TO SCALE

1B @ PAVEMENT
MD5 NOT TO SCALE

1 DRAINAGE PIPE TRENCH DETAILS
MD5 NOT TO SCALE



3A ELEVATION
MD5 NOT TO SCALE

3B FOOTING DETAIL
MD5 NOT TO SCALE

3C SECTION
MD5 NOT TO SCALE

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3 FLAGPOLE DETAIL
MD5 NOT TO SCALE

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Drawing No.
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Sheet No. _____ of _____

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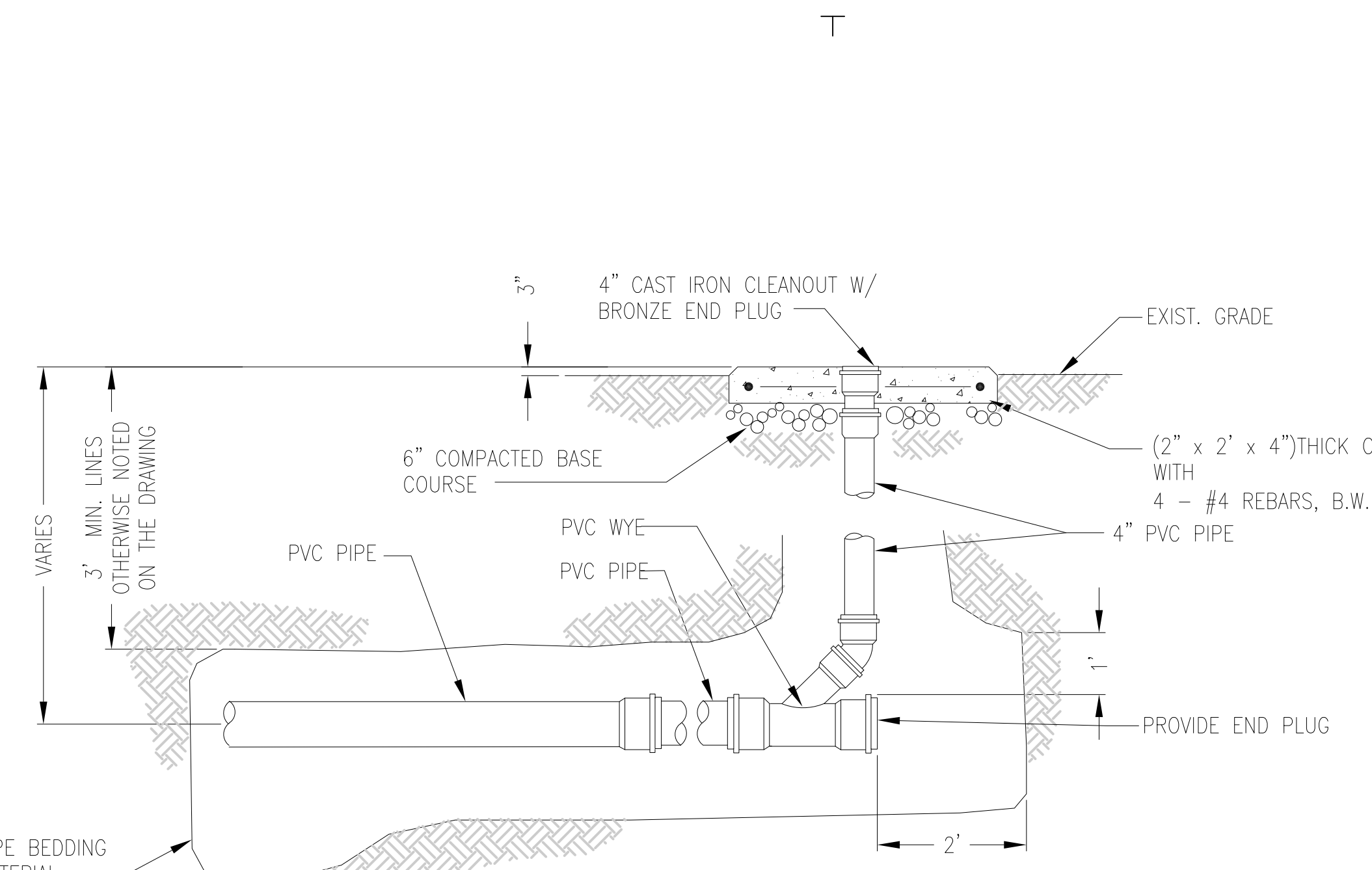
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Title:
 MISCELLANEOUS
 DETAILS

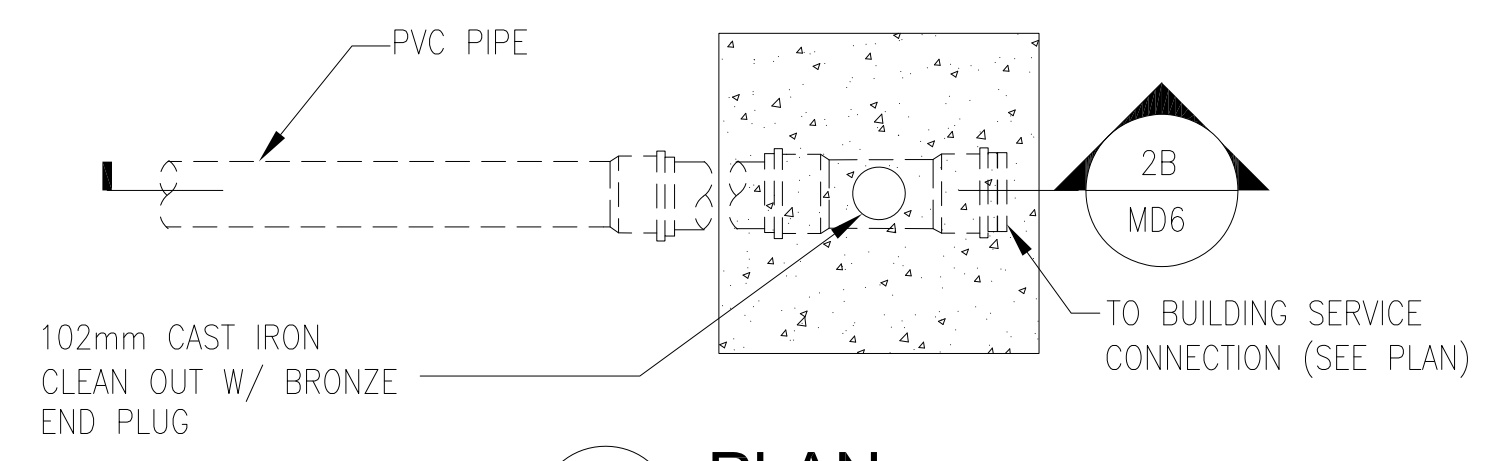
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 Project No. Title
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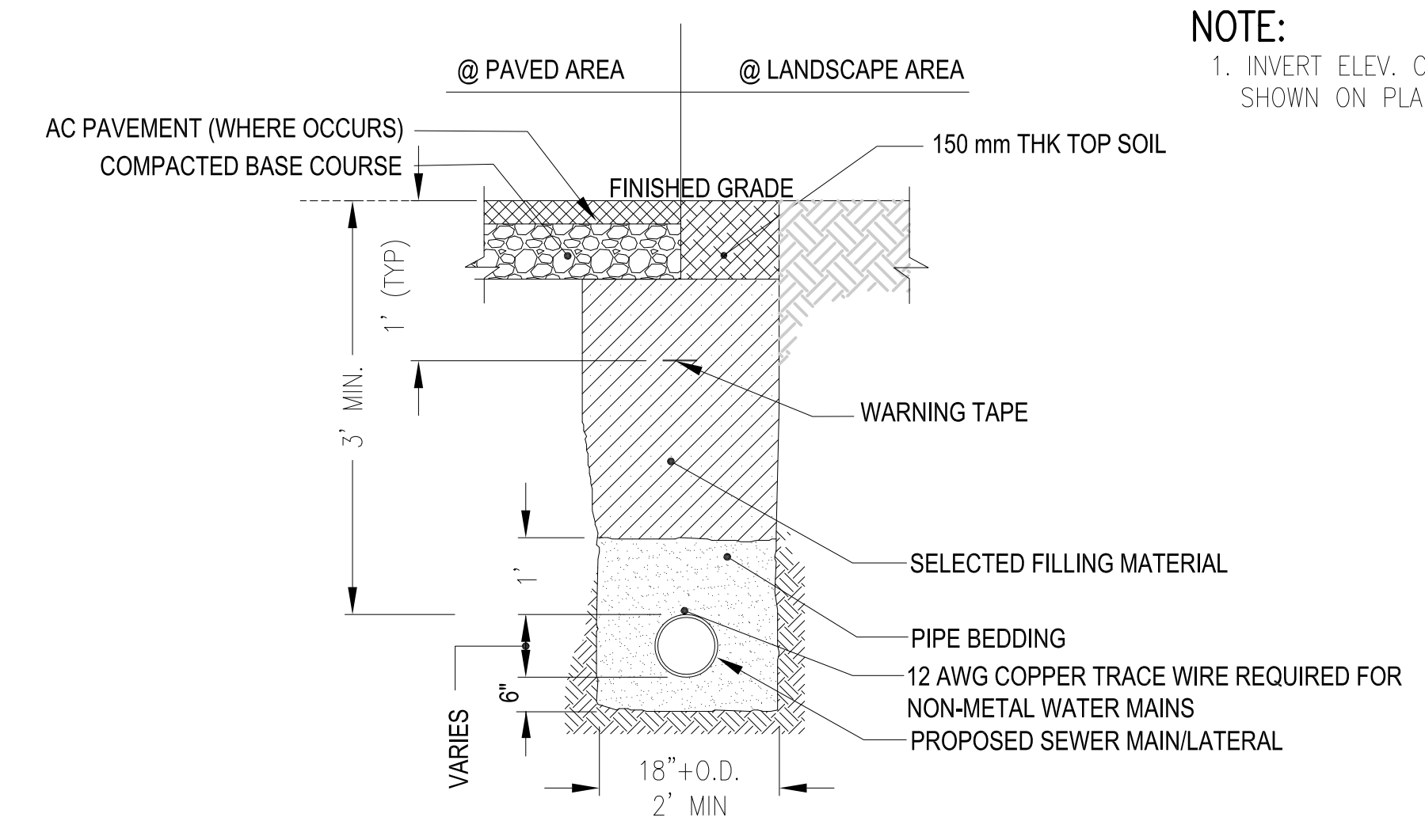


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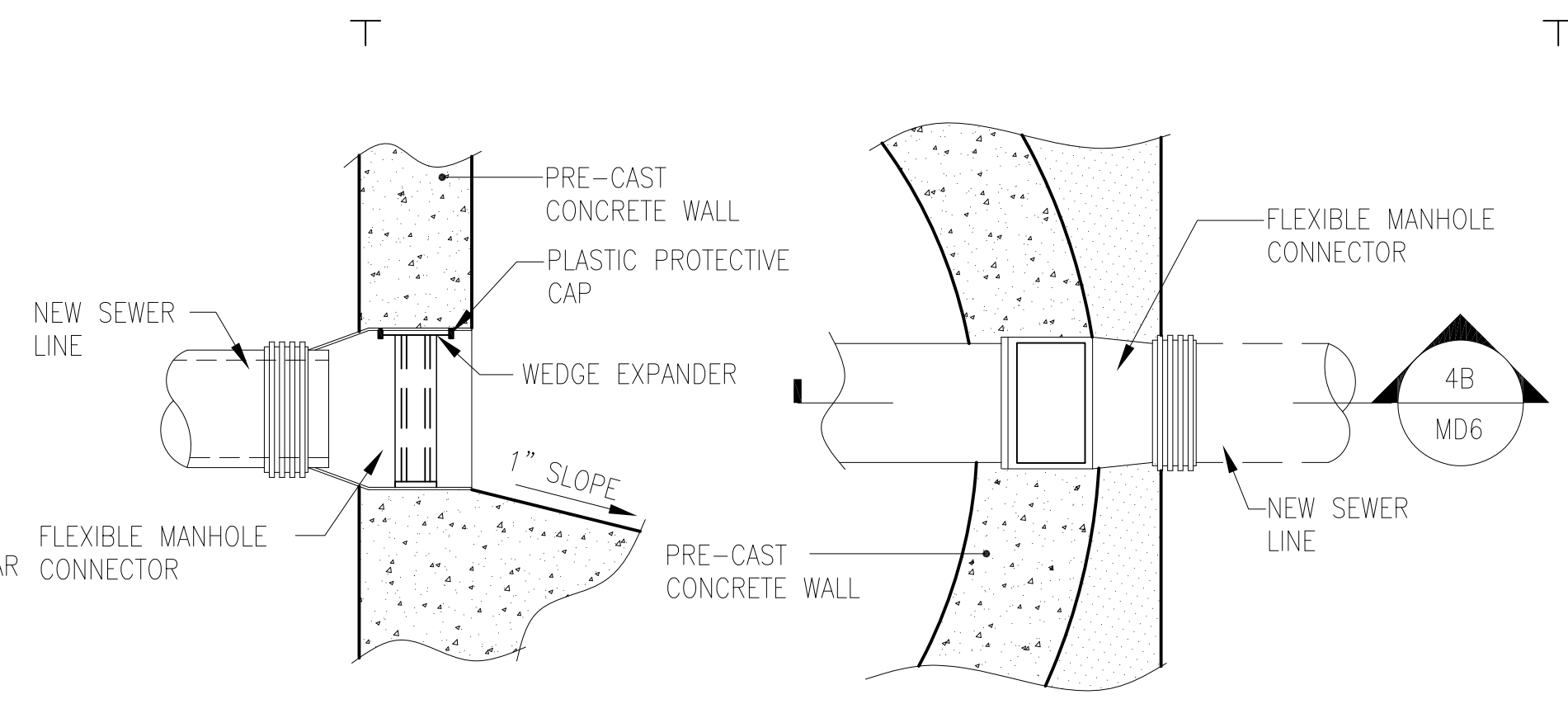


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2 SEWER CLEAN-OUT DETAIL
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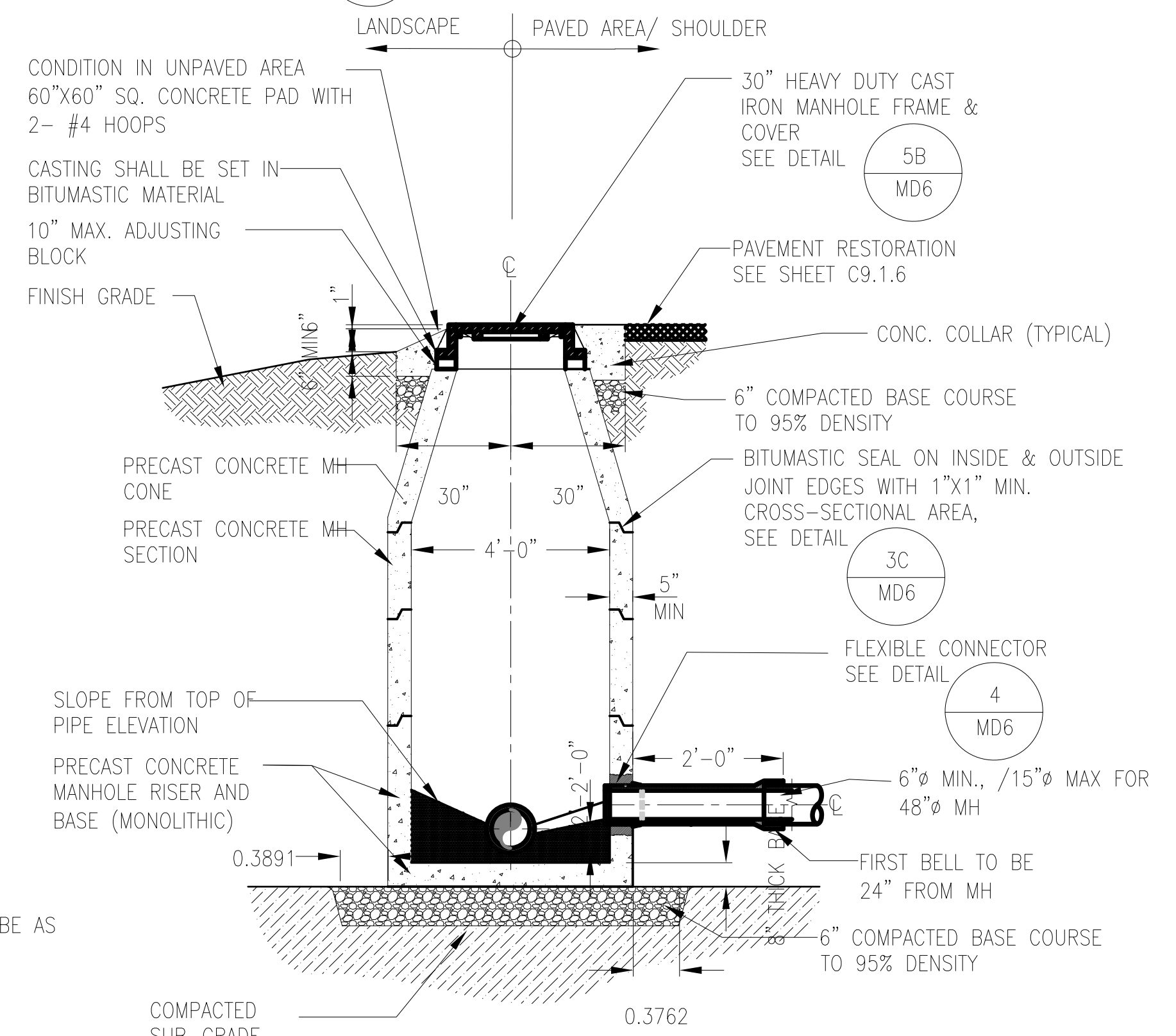
1 SEWER PIPE TRENCH DETAIL
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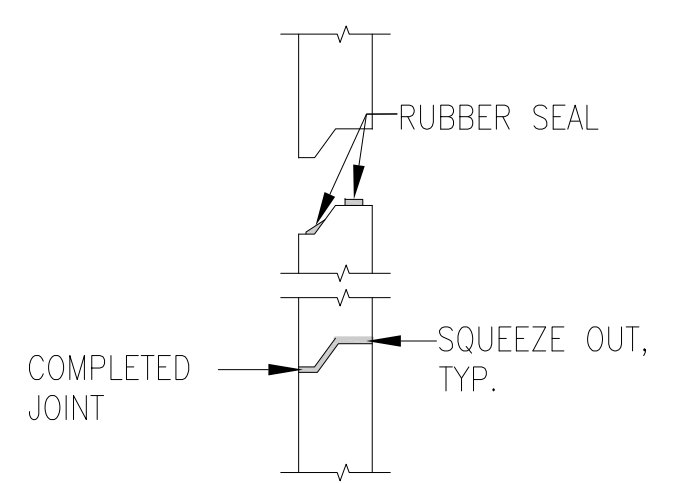
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4A TOP VIEW
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4 FLEXIBLE SMH CONNECTION DETAIL
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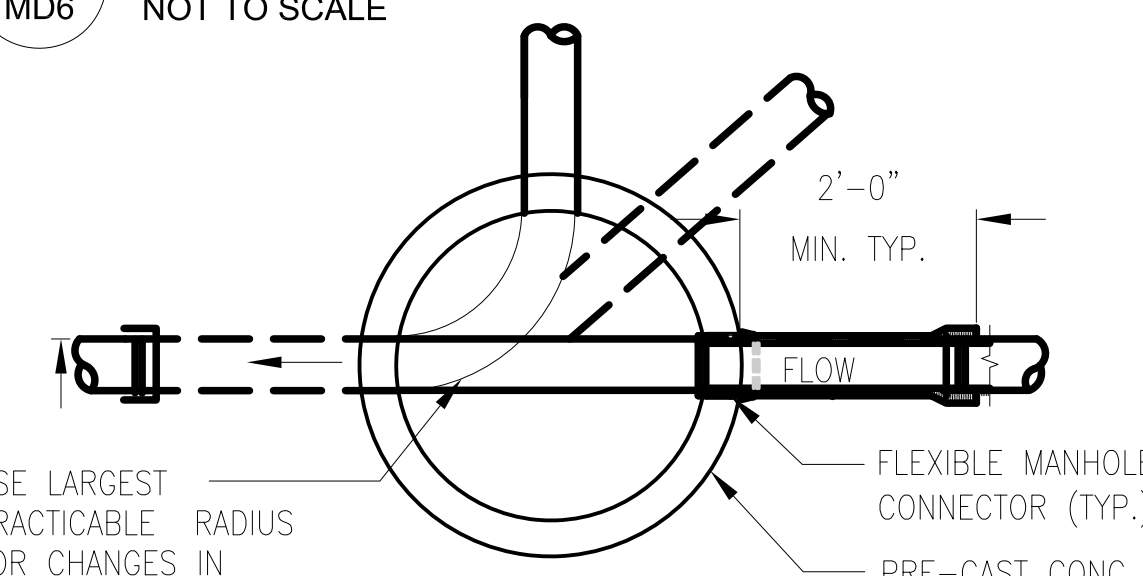


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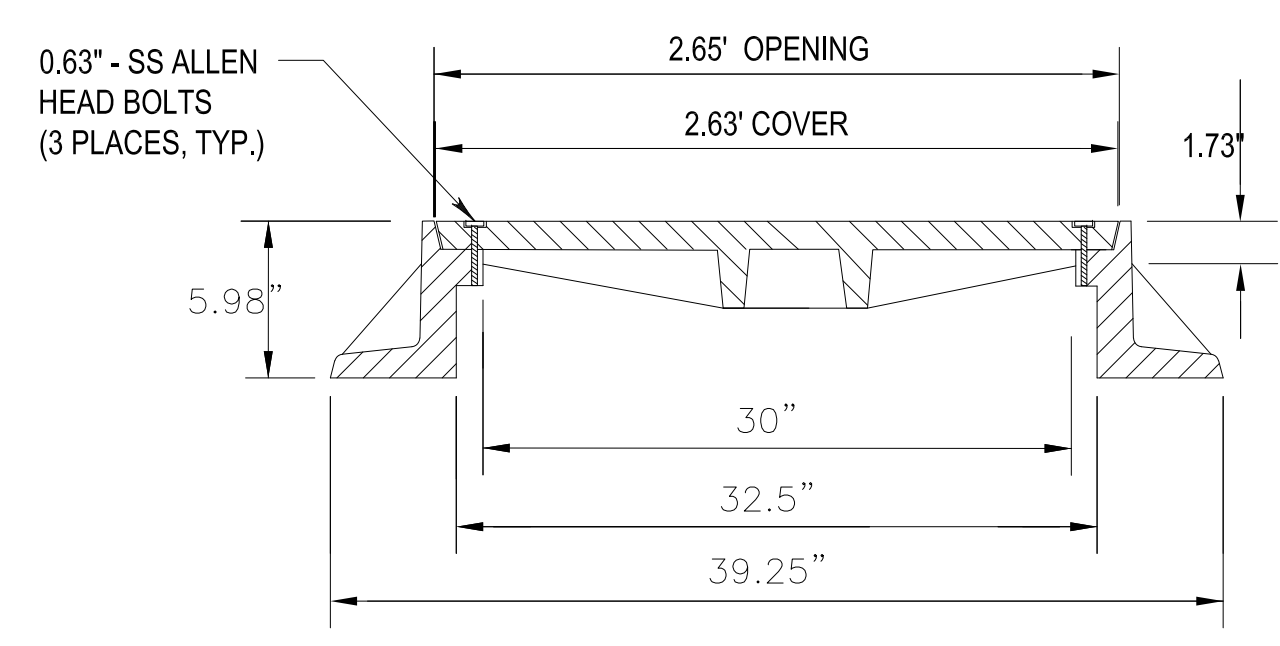


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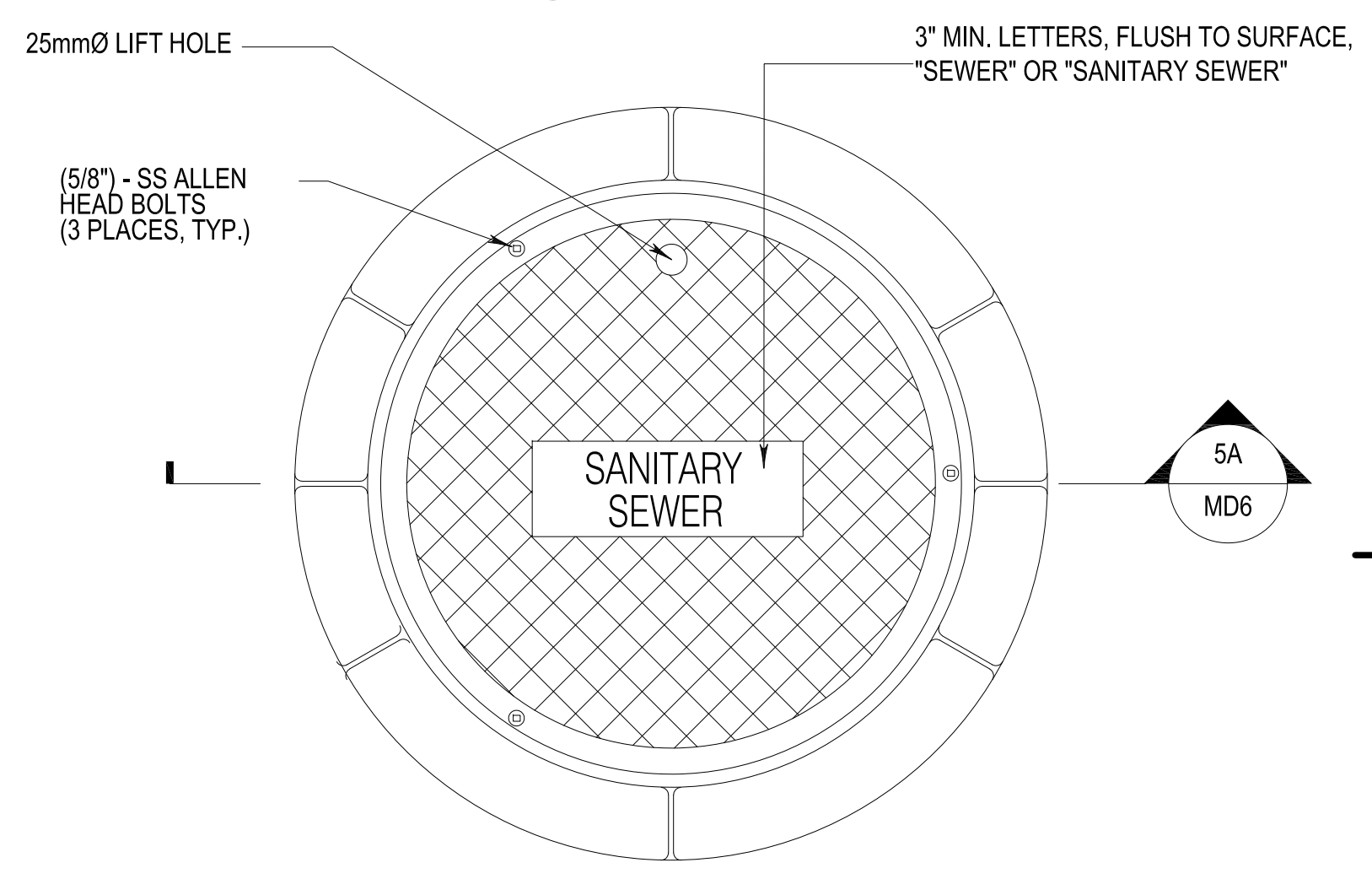
3 SEWER MANHOLE DETAIL
 MD6 NOT TO SCALE



3A PLAN
 MD6 NOT TO SCALE



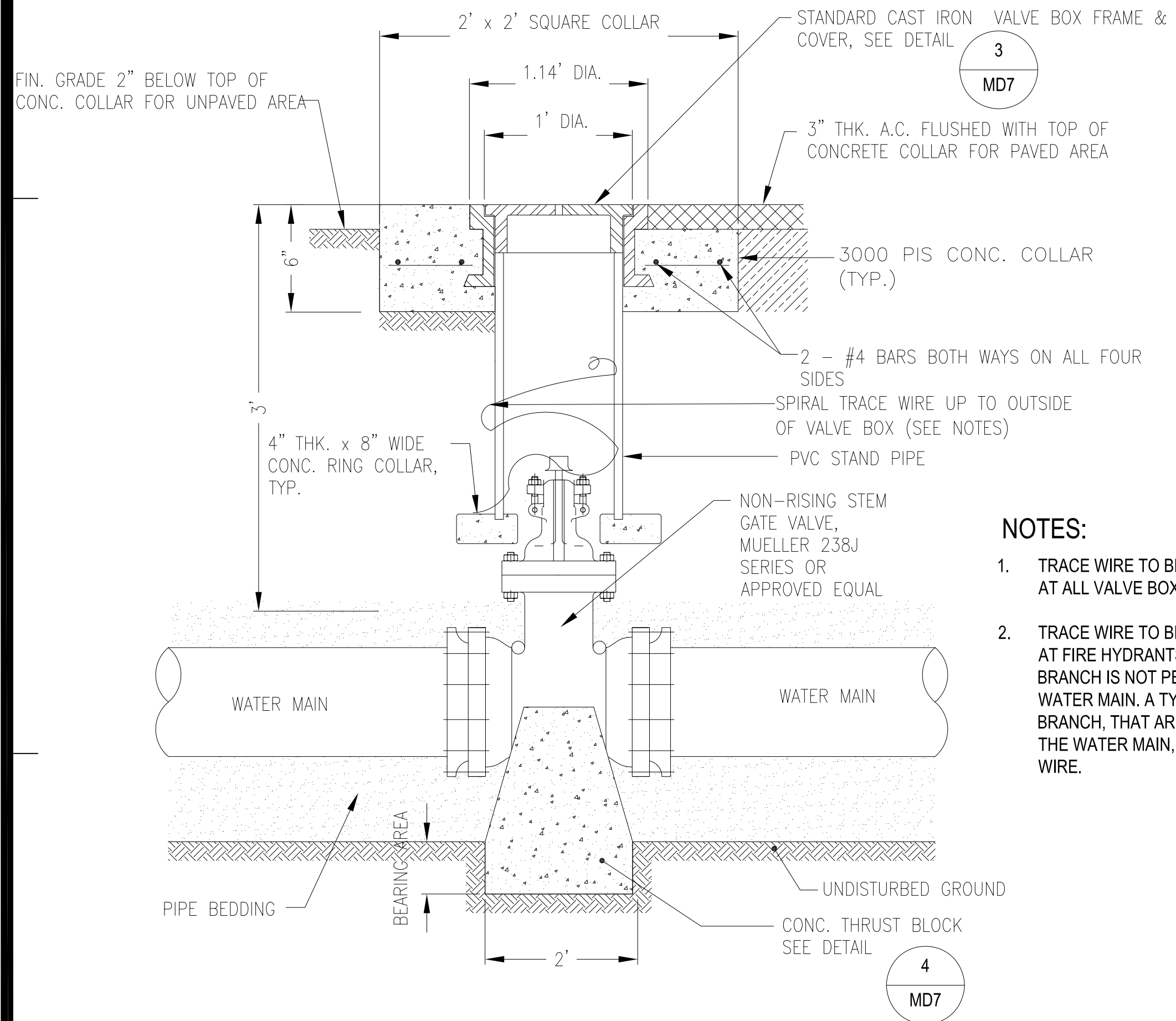
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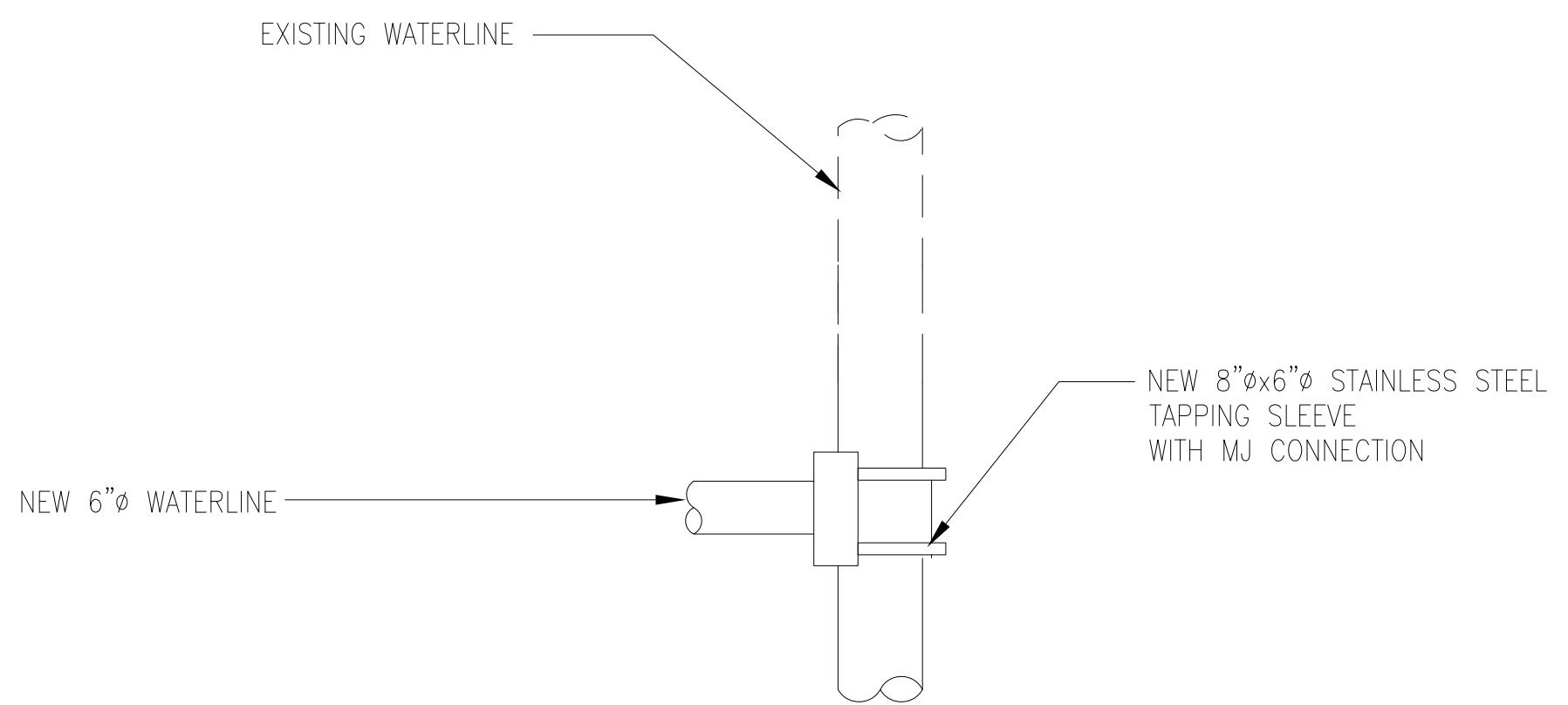
5A PLAN
 MD6 NOT TO SCALE

5 SEWER MANHOLE COVER
 MD6 NOT TO SCALE

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2 GATE VALVE WITH VALVE BOX
MD7 NOT TO SCALE



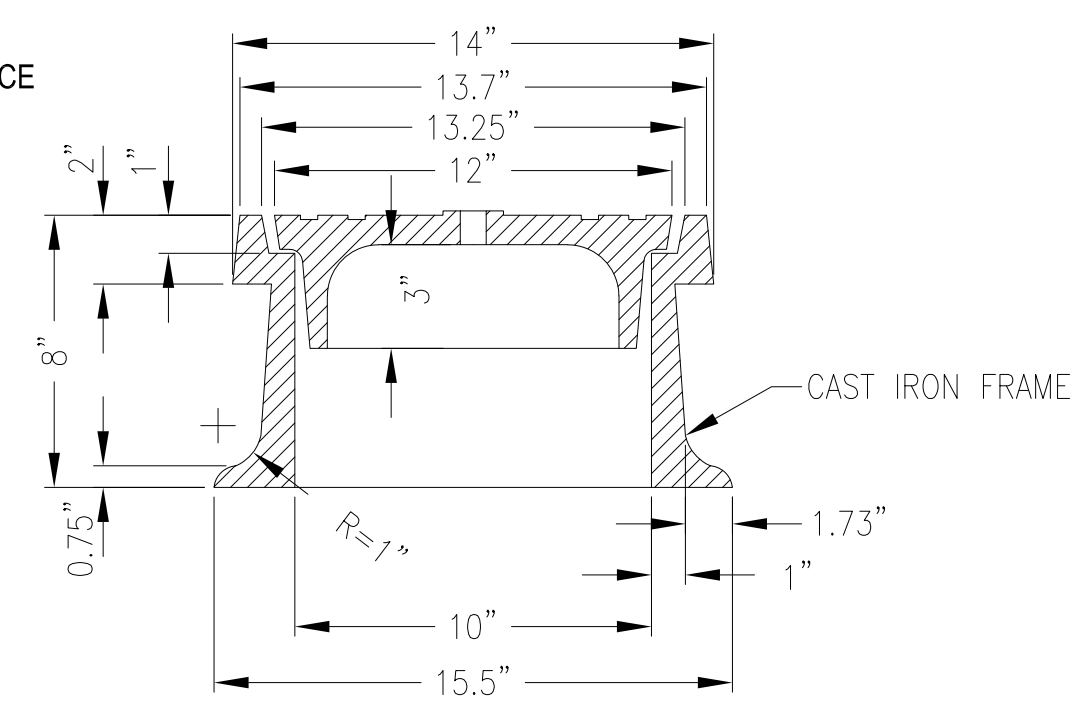
1 CONNECTION TO EXISTING WATERLINE
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TAPPING NOTES:

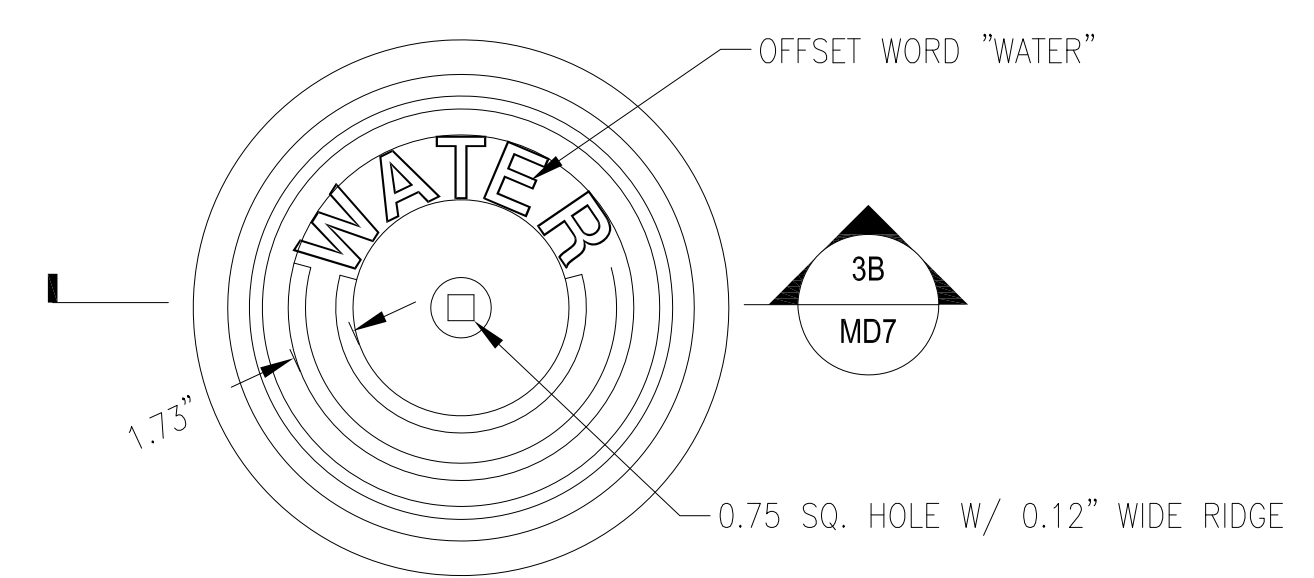
1. WHEN TAPPING MAIN IS WET TAPPED, THE BRANCH MAIN MUST BE AT LEAST ONE SIZE SMALLER THAN THE MAIN. OTHERWISE, CUT-IN CONNECTION IS REQUIRED, UNLESS OTHERWISE APPROVED BY GWA.
2. CONTRACTOR SHALL VERIFY LOCATION, SIZE, MATERIAL, AND DEPTH OF THE EXISTING WATER MAIN BEFORE TAPPING. TAPPING SHALL BE PERFORMED ONLY WITH THE PRESENCE OF A GWA INSPECTOR.
3. TAPPING SLEEVE MUST BE 24" (MINIMUM) SEPARATION FROM ANY BELL, COUPLING, VALVE, FITTING, OR ANOTHER TAPPING.
4. ALL CONNECTION TO THE EXISTING MAIN SHALL BE MADE AFTER THE NEW WATER MAIN PASSED THE REQUIRED TESTS AND APPROVED BY GWA IN THE PRESENCE OF AUTHORIZED GWA REPRESENTATIVE.
5. ALL FITTINGS SHALL BE SWABBED WITH CHLORINE SOLUTION OF 50 PPM (MG/L) MINIMUM CONCENTRATION.
6. ALL NUTS AND BOLTS MUST BE STAINLESS STEEL TYPE 304 OR 316.
7. ALL BOLTS, NUTS, OR END OF MECHANICAL JOINT FITTINGS SHALL NOT BE IN CONTACT WITH CONCRETE.

NOTES:

1. TRACE WIRE TO BE BROUGHT TO SURFACE AT ALL VALVE BOX ON NON-METAL PIPES.
2. TRACE WIRE TO BE BROUGHT TO SURFACE AT FIRE HYDRANTS WHERE THE HYDRANT BRANCH IS NOT PERPENDICULAR TO THE WATER MAIN. A TYPICAL FIRE HYDRANT BRANCH, THAT ARE PERPENDICULAR TO THE WATER MAIN, DO NOT REQUIRE TRACE WIRE.

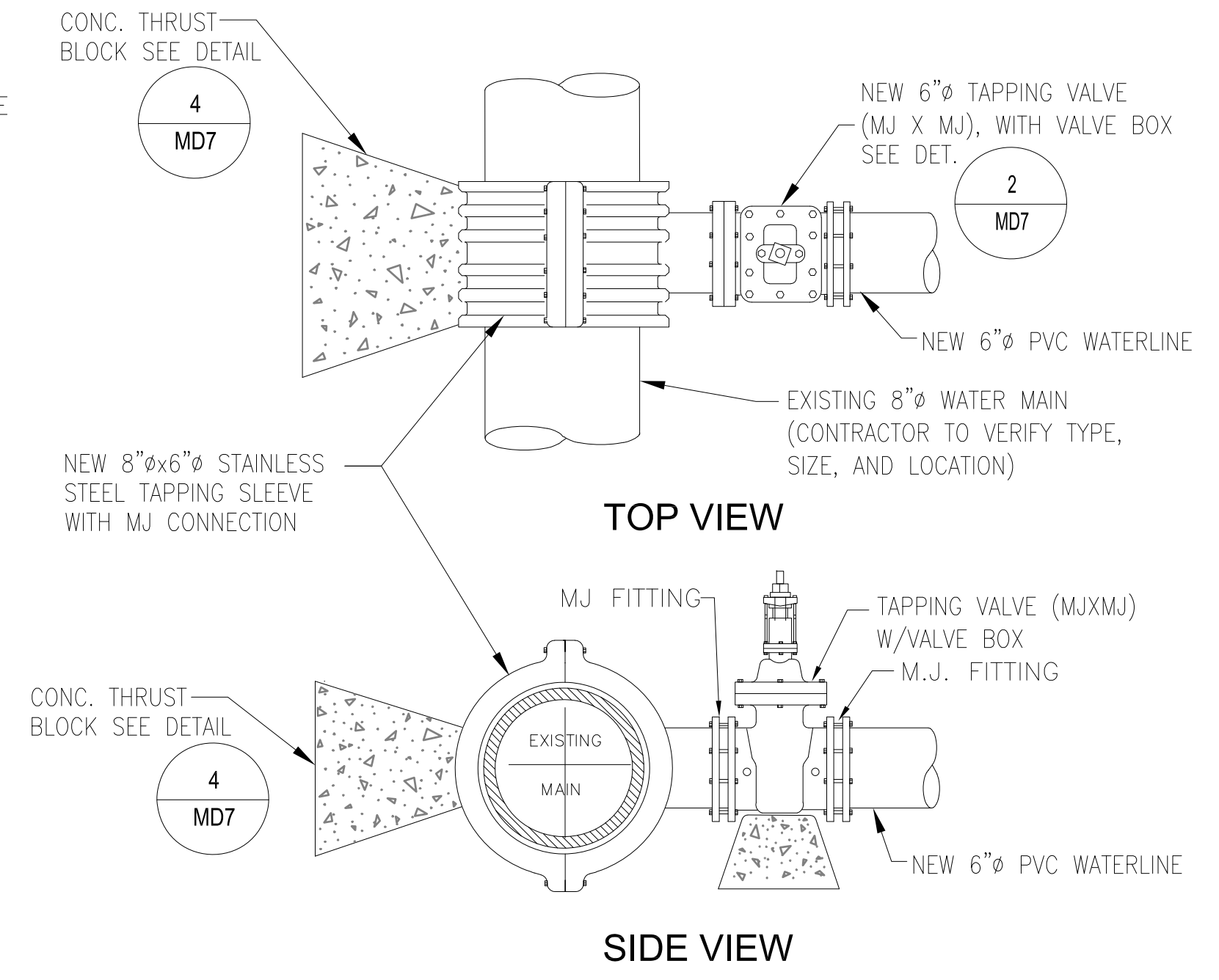


3B SECTION
MD7 NOT TO SCALE



3A PLAN
MD7 NOT TO SCALE

3 VALVE BOX FRAME AND COVER
MD7 NOT TO SCALE

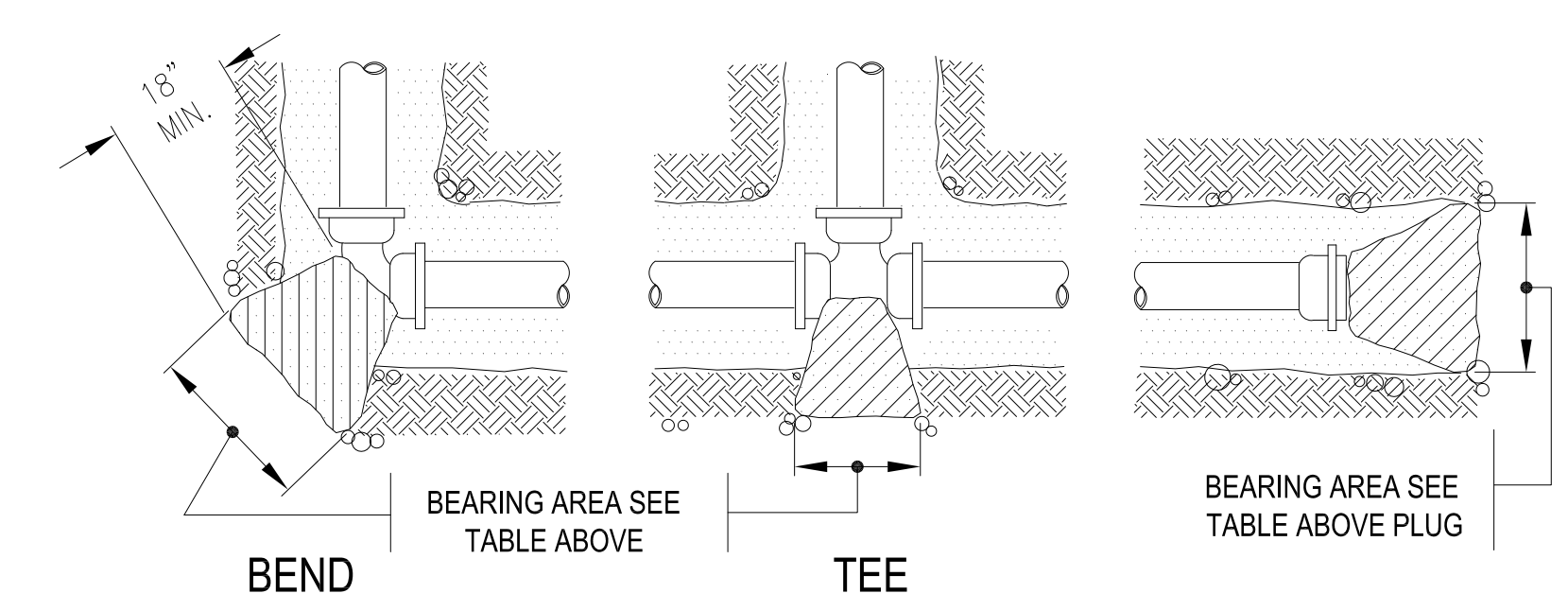


5 CONNECTION TO EXISTING WATERLINE
MD7 NOT TO SCALE

FITTINGS	BEARING AREA (SQ. FT.)					
	4" PIPE	6" PIPE	8" PIPE	12" PIPE	14" PIPE	16" PIPE
1/4 (90) BEND	2.30	4.00	7.00	14.50	19.50	25.50
1/8 (45) BEND	1.20	2.20	4.00	8.00	10.50	13.50
1/16 (22.5) BEND	0.50	1.20	2.00	4.00	5.25	6.75
1/32 (11.25) BEND	0.30	0.60	1.00	2.00	2.60	3.40
TEE	1.50	3.00	5.00	10.30	13.50	18.00
PLUG	1.50	3.00	5.00	10.30	13.50	18.00

NOTES:

1. THRUST BLOCK SHALL BE POURED AGAINST UNDISTURBED EARTH.
2. REQUIRED BEARING AREAS ARE FOR WORKING PRESSURES OF 150 PSI. MULTIPLY VALUES GIVEN IN TABLE BY 1.4 & 2.0 FOR WORKING PRESSURES OF 200 & 250 PSI, RESPECTIVELY.
3. FOR VERTICAL DOWN BENDS USE A GRAVITY TYPE THRUST BLOCK W/2-#5 ANCHOR RODS OVER FITTING EMBEDDED 18" INTO BLOCK. BLOCK VOLUME IN CUBIC YARDS SHALL BE 150% OF VALUE GIVEN IN TABLE FOR BEARING AREA.
4. ASSUMED SOIL BEARING CAPACITY FOR FIGURES SHOWN ABOVE IS 17.5 PSI. INCREASE/REDUCE THRUST BLOCK BEARING AREA ACCORDINGLY BASED ON ACTUAL SOIL BEARING CAPACITY (WHERE NECESSARY).



4 CONCRETE THURST BLOCK SCHEDULE
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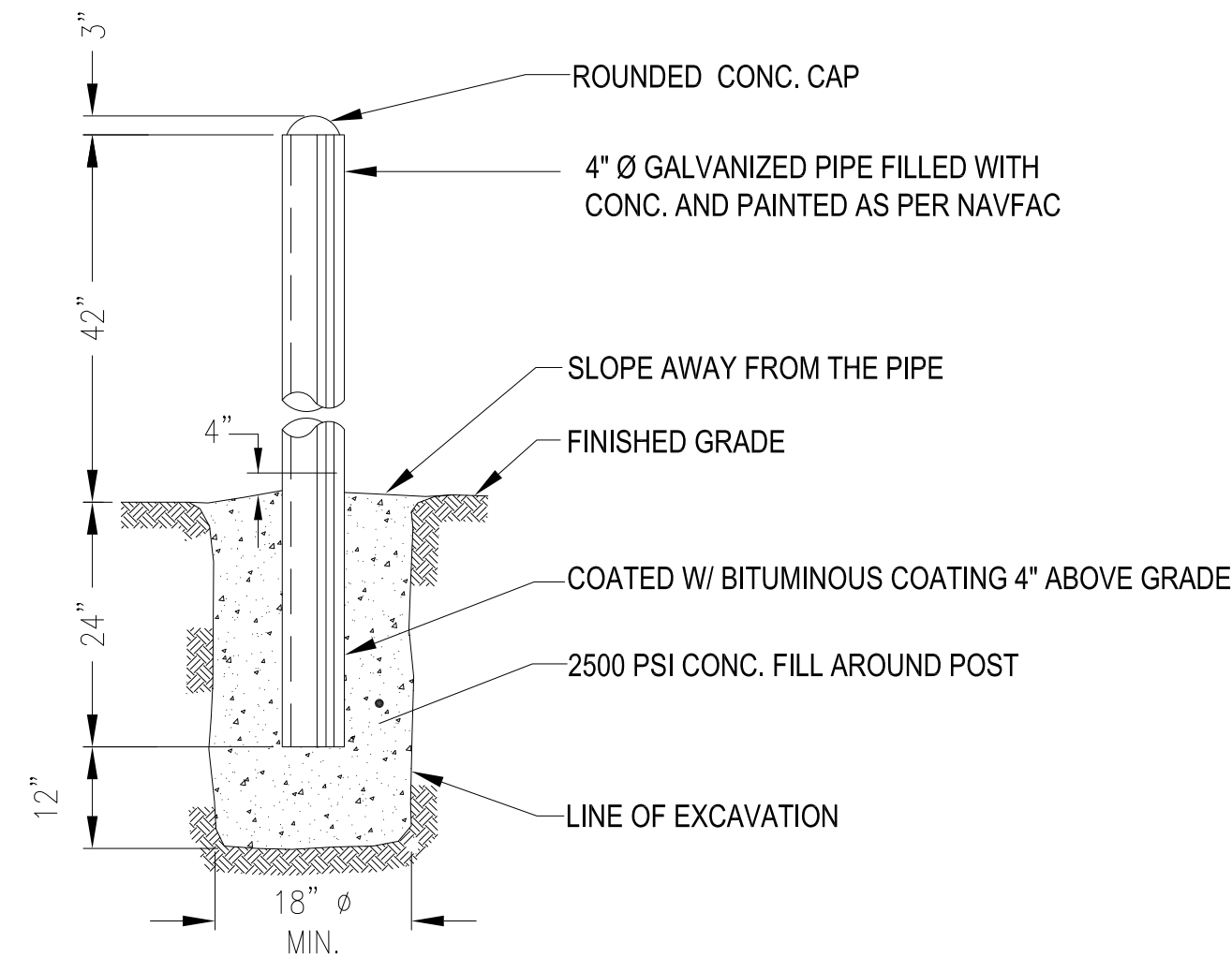
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Title: **MISCELLANEOUS DETAILS**

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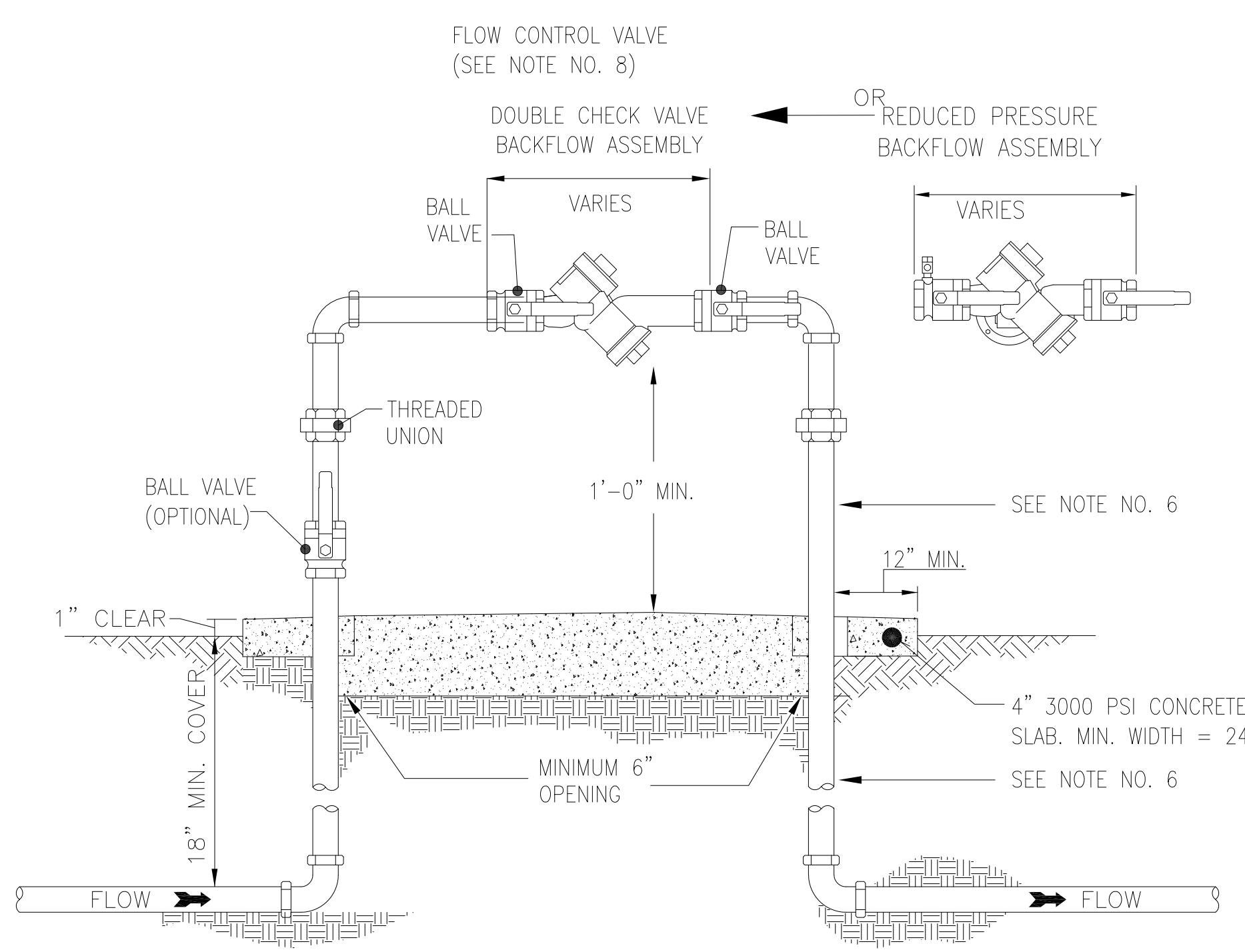
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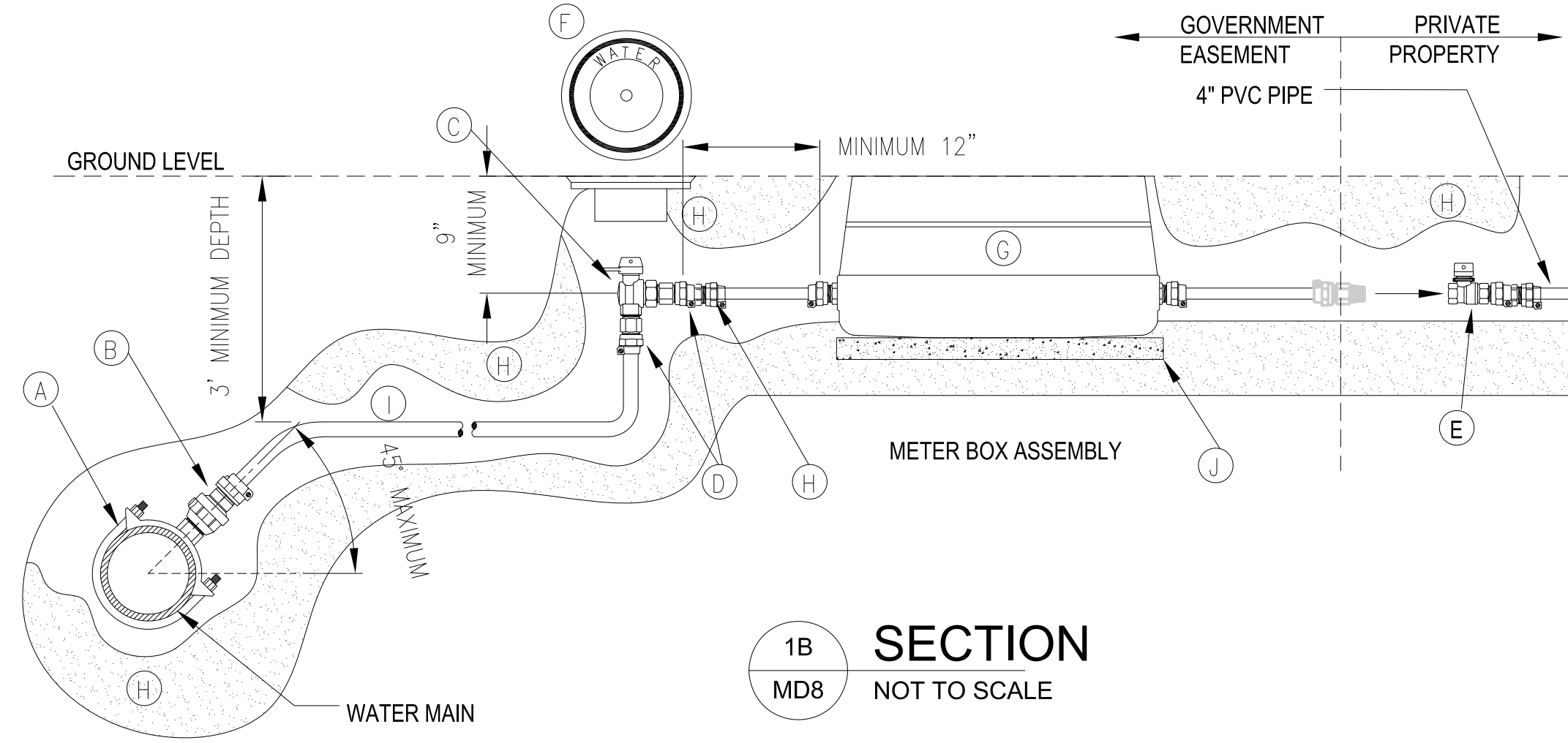
2 GUARD POST/BOLLARD DETAIL
MD8 NOT TO SCALE

ITEM	SCHEDULE OF FITTING DESCRIPTION
A	4"(SIZE OF MAIN) STAINLESS STEEL DOUBLE STRAP SERVICE SADDLE (FEMALE CC TAPER THREADING)
B	4"x 4" BALL CORP STOP (MALE CC TAPER THREADING BY PACK JOINT FOR CTS)
C	4" BRASS ANGLE BALL VALVE (FEMALE IP IN BY FEMALE IP OUT)
D	4" MALE IP X 4" CTS PACK JOINT BRASS COUPLING
E	PRIVATE 4" BRASS BALL VALVE
F	VALVE BOX WITH COVER, SEE NOTE 1.
G	METER BOX FOR 2" METER
H	BEDDING SAND 3/8" MINUS
I	4" CTS TUBING (CL 200 HDPE W/ 4" STAINLESS STEEL INSERTS OR COPPER TYPE K)
J	30"x18"x4" CONCRETE SLAB

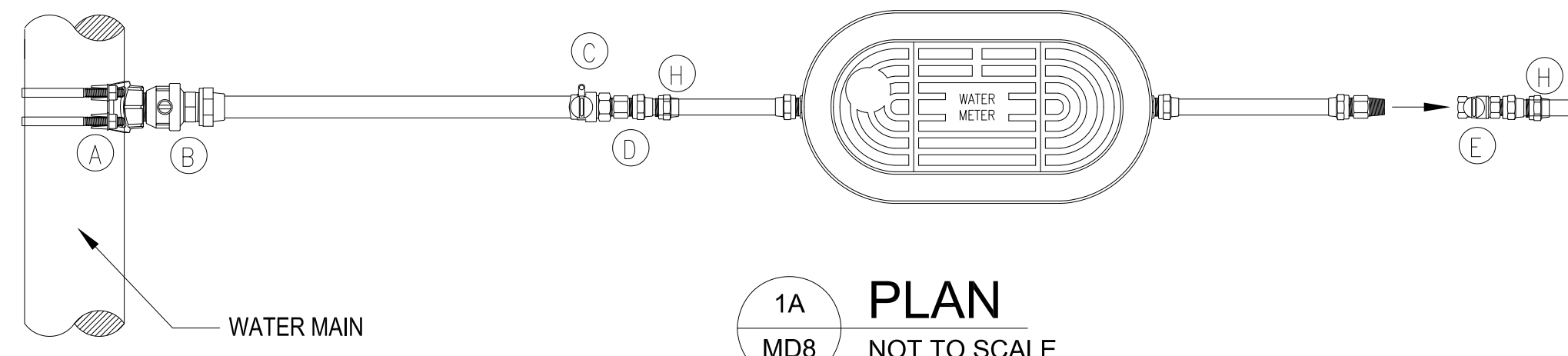
- NOTES:**
- VALVE BOX REQUIRED ON CONCRETE OR ASPHALT SURFACES. OTHERWISE IT IS OPTIONAL
 - CONTRACTOR TO SUBMIT SHOP DRAWING AND / OR SAMPLES FOR APPROVAL
 - LEAD FREE BRASS PIPE, VALVES AND FITTINGS ARE REQUIRED AFTER JANUARY 4, 2014



3 RPBP FOR DOMESTIC SUPPLY
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1B SECTION
MD8 NOT TO SCALE

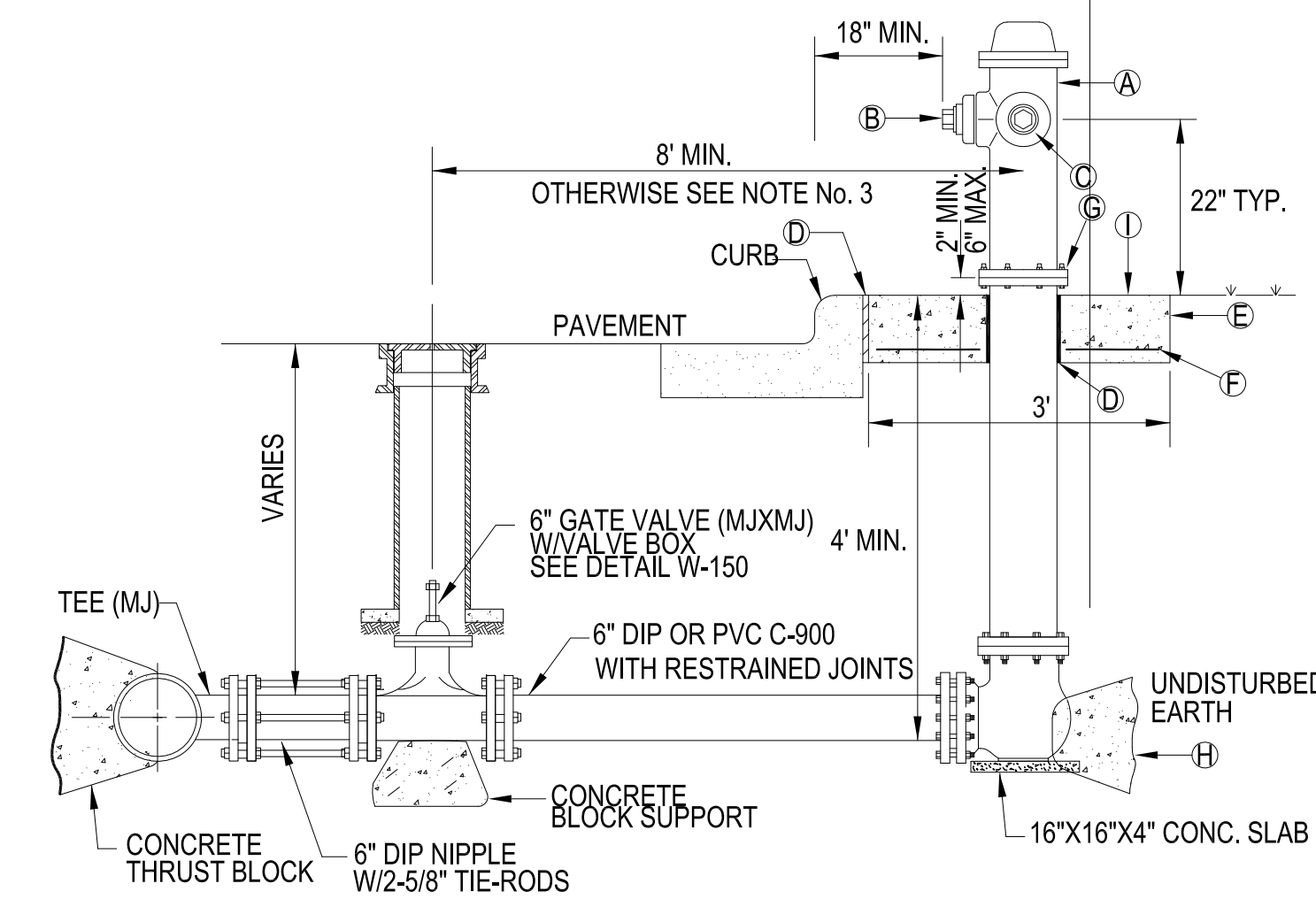


1A PLAN
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1 WATER METER DETAILS
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- NOTES:**
- THE BACKFLOW PREVENTION DEVICES SHALL BE REDUCED PRESSURE BACKFLOW ASSEMBLY, OR DOUBLE CHECK BACKFLOW ASSEMBLY AS APPROVED BY GWA.
 - REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
 - DOUBLE CHECK VALVE BACKFLOW ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
 - BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED WITHIN 5-FT OF THE METER BOX.
 - BACKFLOW PREVENTION ASSEMBLY SHALL BE CENTERED ON CONCRETE PAD.
 - PIPE MATERIAL SHALL BE PVC (SCH. 80 OR BETTER), FOR BELOW GROUND PIPES AND COPPER (TYPE K), OR BRASS (ASTM B43), FOR ABOVE GROUND PIPES.
 - PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND OPERATION OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS.
 - FLOW RATE CONTROL VALVE SHALL BE SET AT 200 GMP (MAXIMUM) FLOW.

- NOTES:**
- DETAIL SHOWN FOR HYDRANT CONNECTION ON A NEW WATER MAIN WITH A MECHANICAL JOINT (MJ) TEE AND MJ VALVE. HYDRANT CONNECTION WITH AN MJ TAPPING SLEEVE AND TAPPING VALVE (MJXMJ) IS SHOWN IN DETAIL W-130.
 - NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 3 FT. IN ALL DIRECTIONS OF FIRE HYDRANT. FIRE HYDRANT SHALL NOT BE PLACED IN WHEEL CHAIR RAMP OR DRIVEWAY.
 - FIRE HYDRANT SHALL BE LOCATED AT THE BEGINNING OF CURB RETURN OR AT THE PROPERTY LINE COMMON TO ADJOINING LOTS, UNLESS OTHERWISE SHOWN ON PLANS.
 - WHERE DISTANCE IS LESS THAN 8', HYDRANT SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL No. W-140.
 - VALVE MAY BE CONNECTED TO TEE AT MAIN LINE USING MECHANICAL JOINTS OR FLANGED X MECHANICAL JOINTS. WHERE SPOOL IS REQUIRED BETWEEN TEE AND VALVE, USE FLANGED OR MECHANICAL ENDS WITH 3/4" DIAMETER TIE RODS.
- CONSTRUCTION KEY NOTES:**
- ALL FIRE HYDRANTS MUST BE WET BARREL APPROVED BY GWA. DRY BARREL HYDRANTS ARE NOT ACCEPTABLE.
 - PUMPER NOZZLE 4 1/2" TO BE FACING THE TRAVELED WAY, UNLESS OTHERWISE NOTED IN THE PLANS.
 - HOSE NOZZLE 2 1/2".
 - 1/2" PREMOLDED EXPANSION JOINT WITH 1" TOP FILLER.
 - 3'x3'x6" SQ. CONC. PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONC. AREA.
 - #10; 6/6 WWF.
 - BREAKAWAY FLANGE.
 - CONC. THRUST BLOCK, APPROX. 2'x2'x3' TO BE POURED AGAINST UNDISTURBED EARTH.
 - TOP OF SLAB SHALL BE AT CURB LEVEL 4" TO 6" BELOW THE BREAK LINE OF THE HYDRANT. UNDER SPECIAL CONDITIONS GWA MAY ALLOW VARIATIONS TO THIS CONSTRUCTION.



4 FIRE HYDRANT DETAILS
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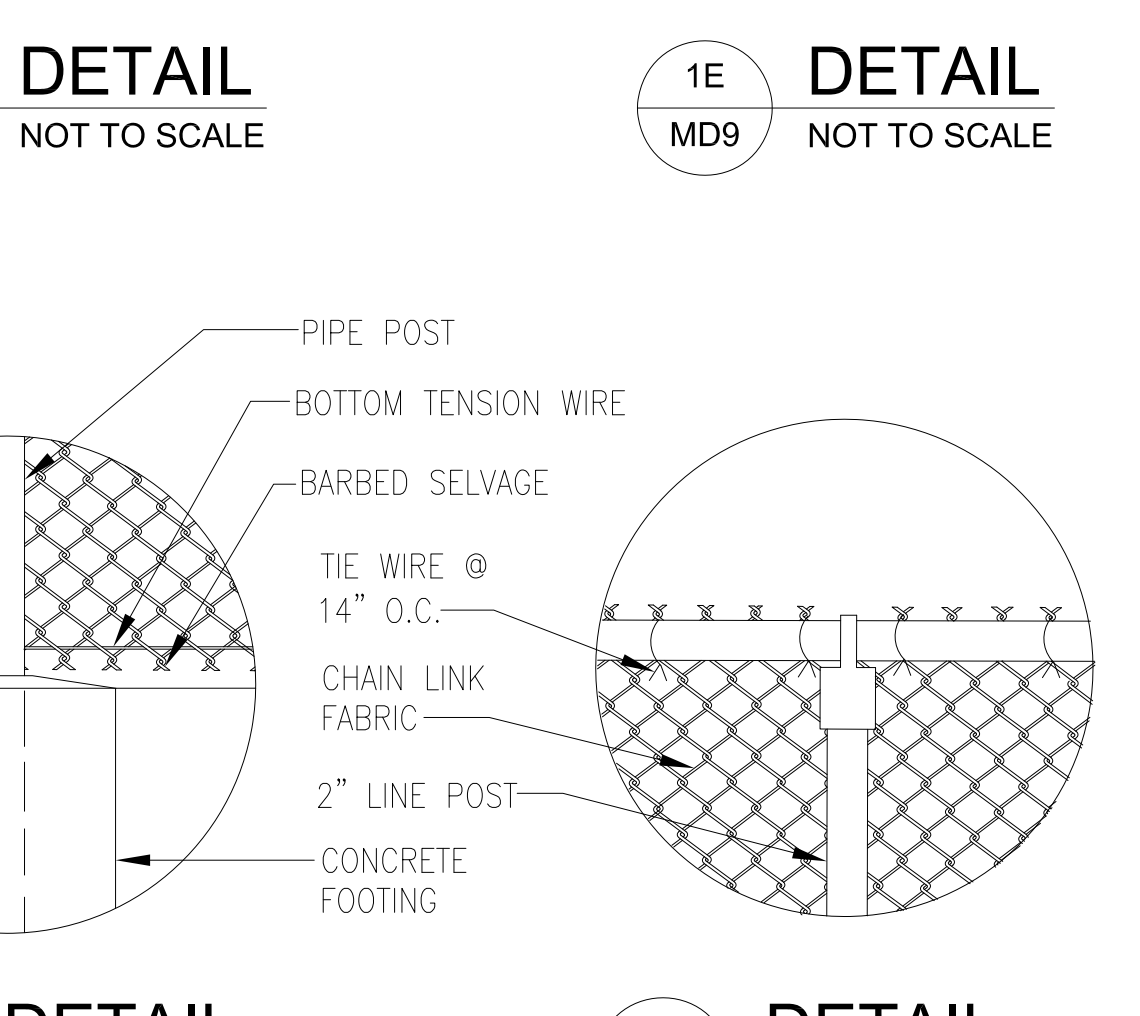
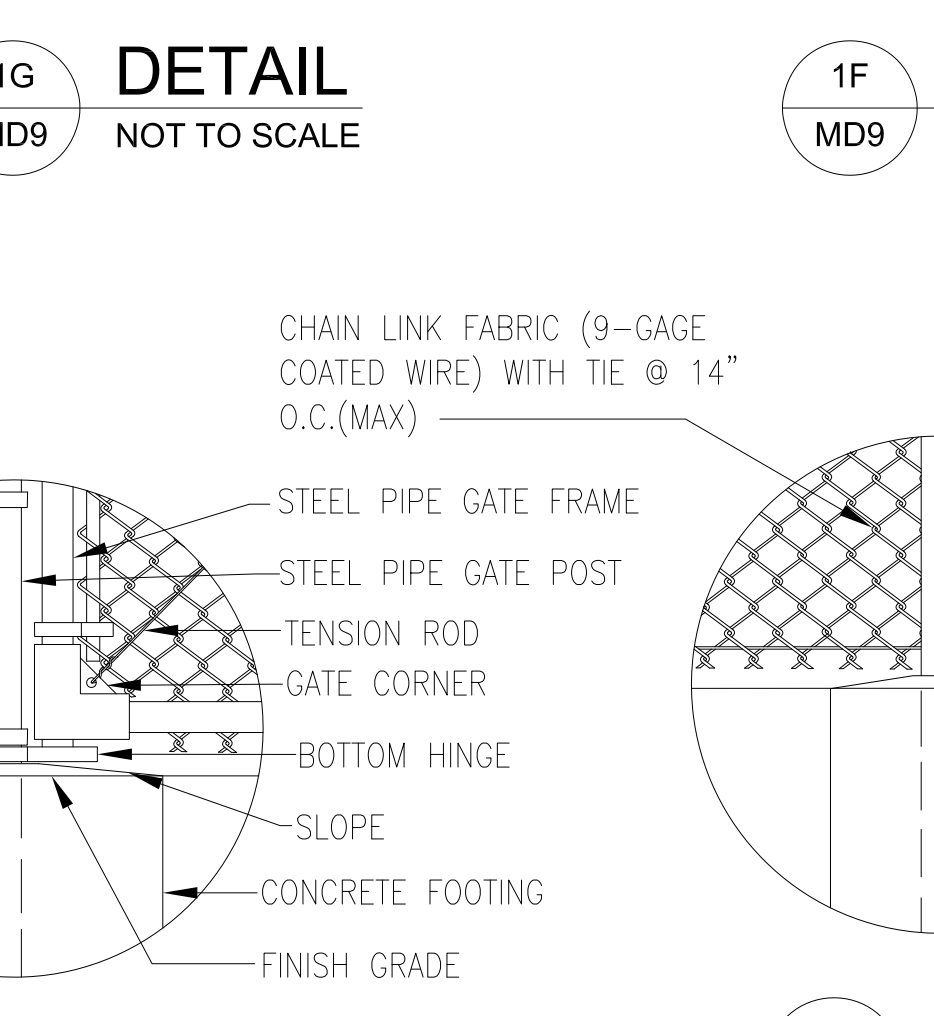
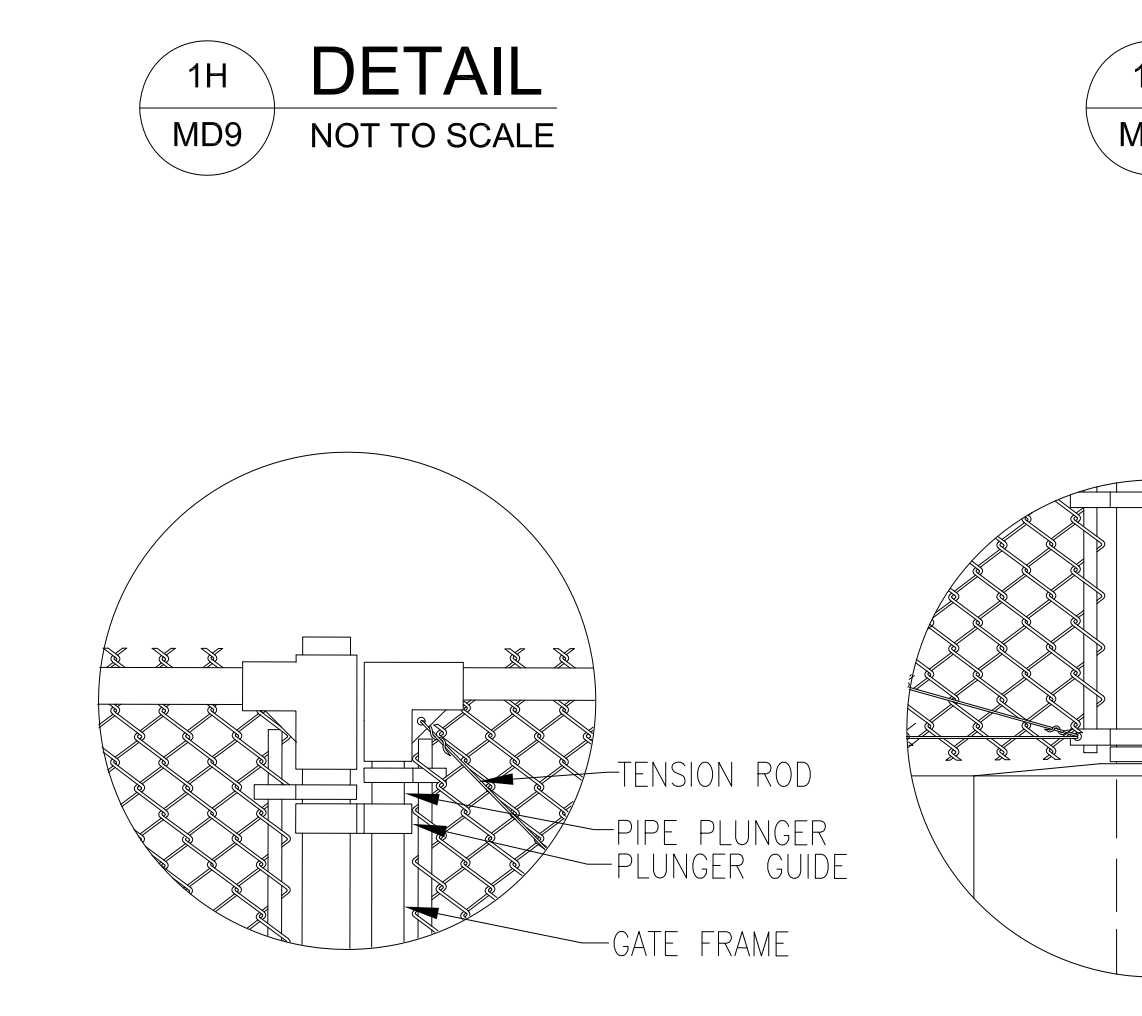
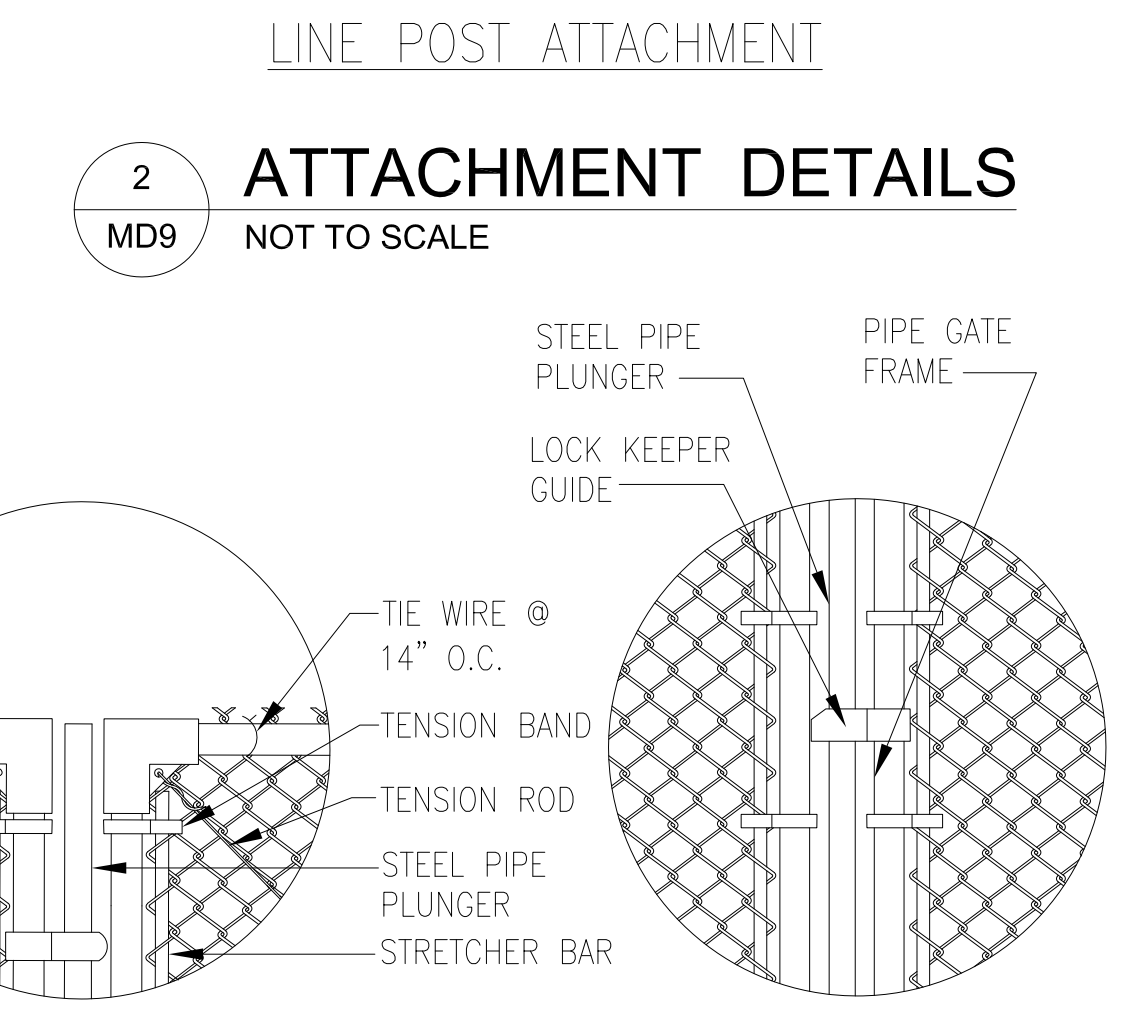
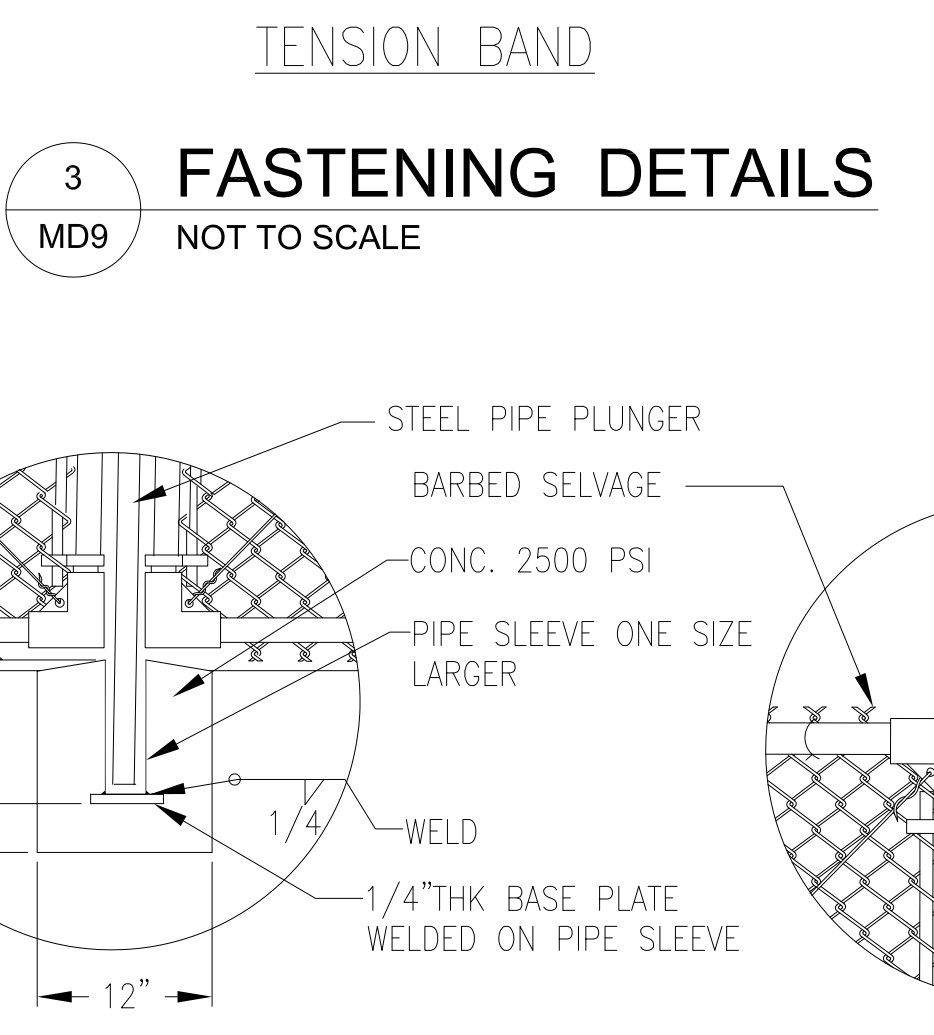
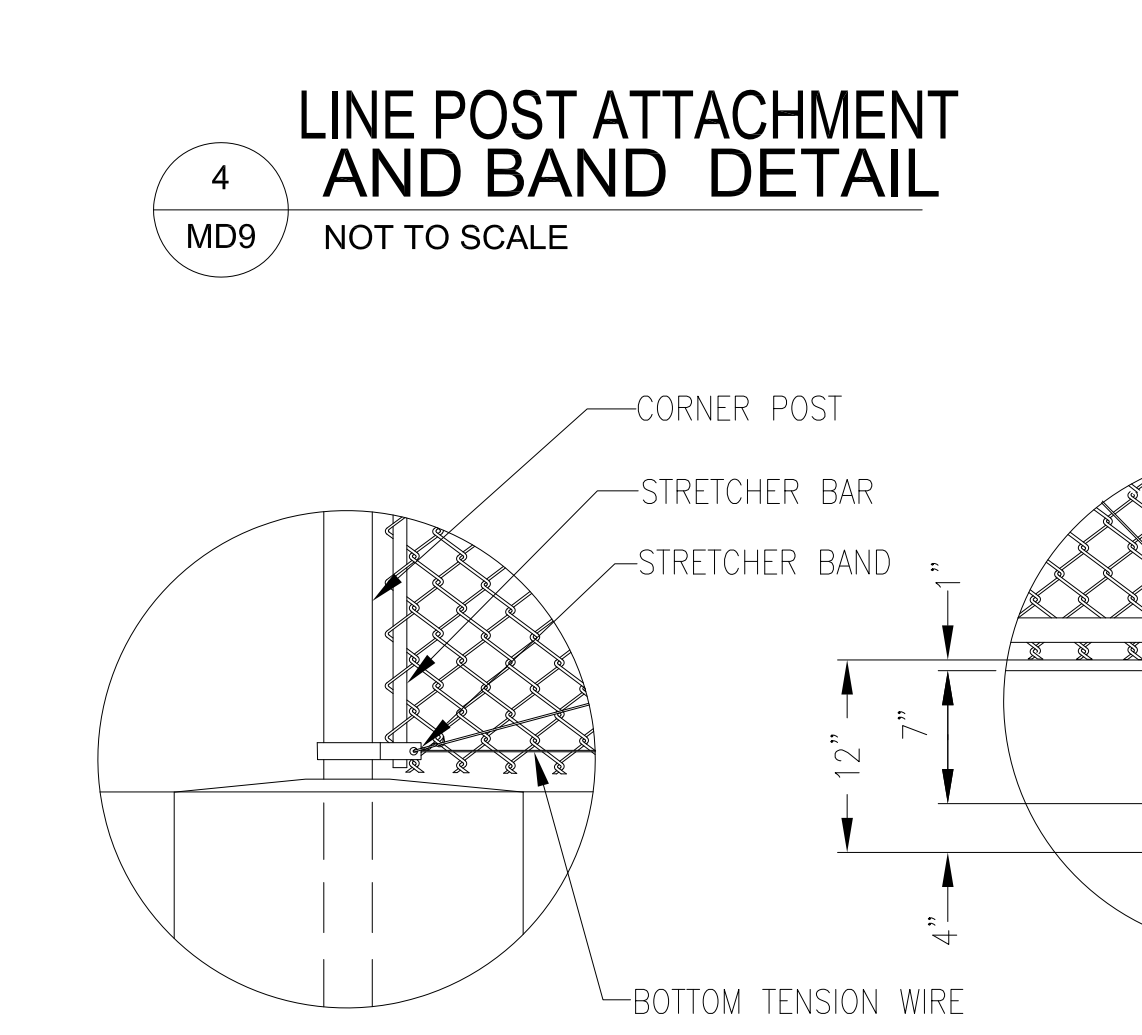
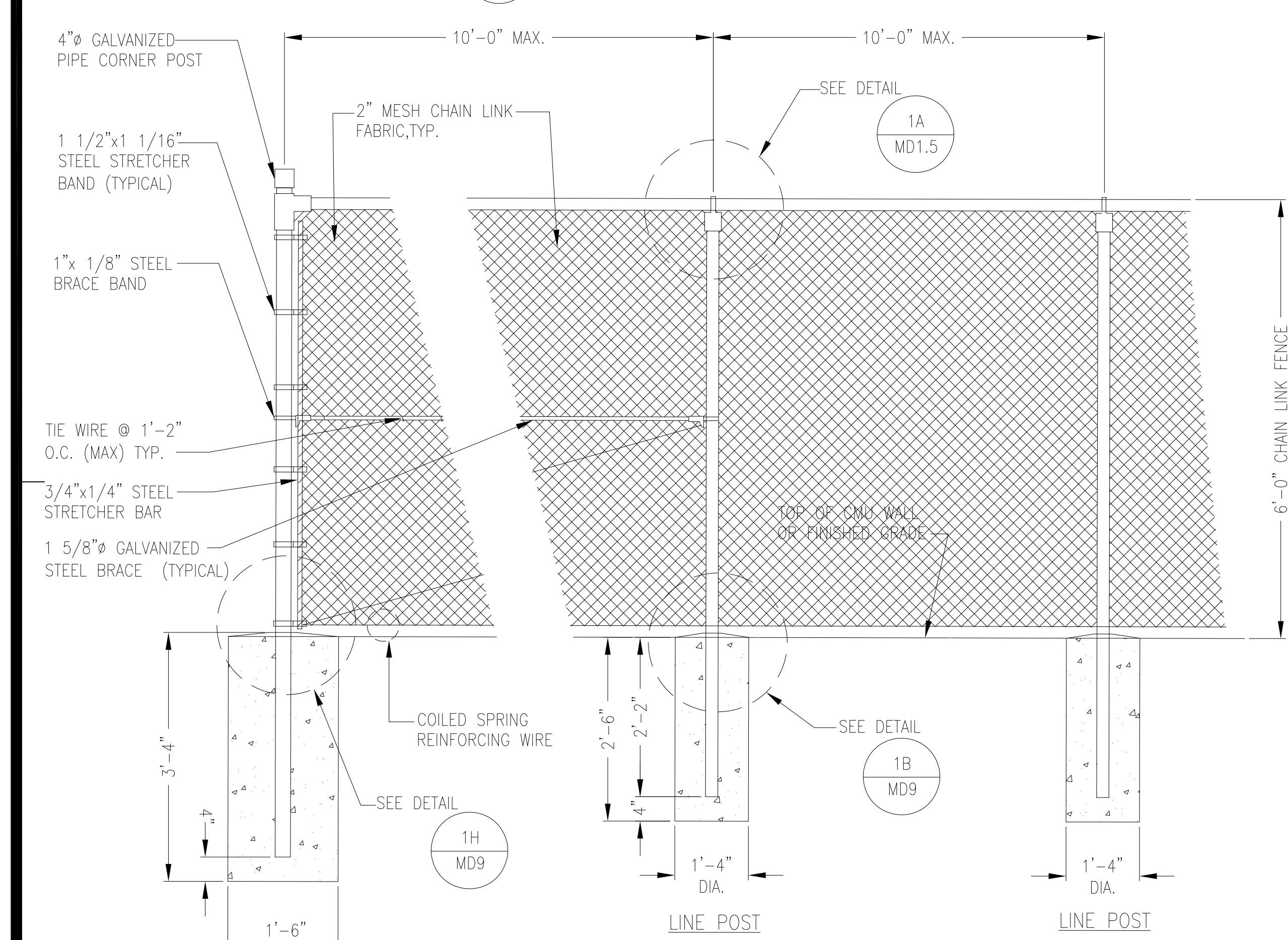
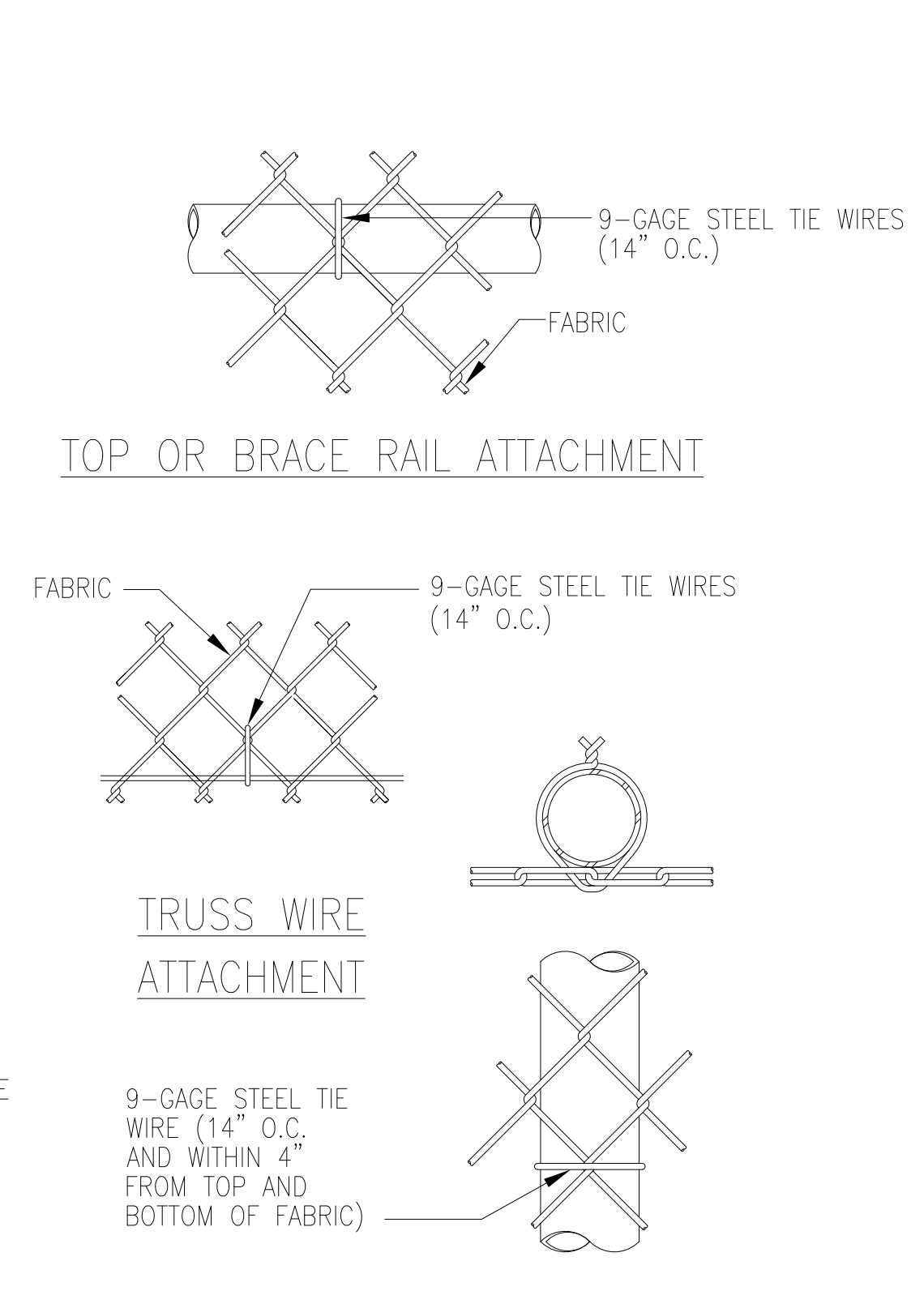
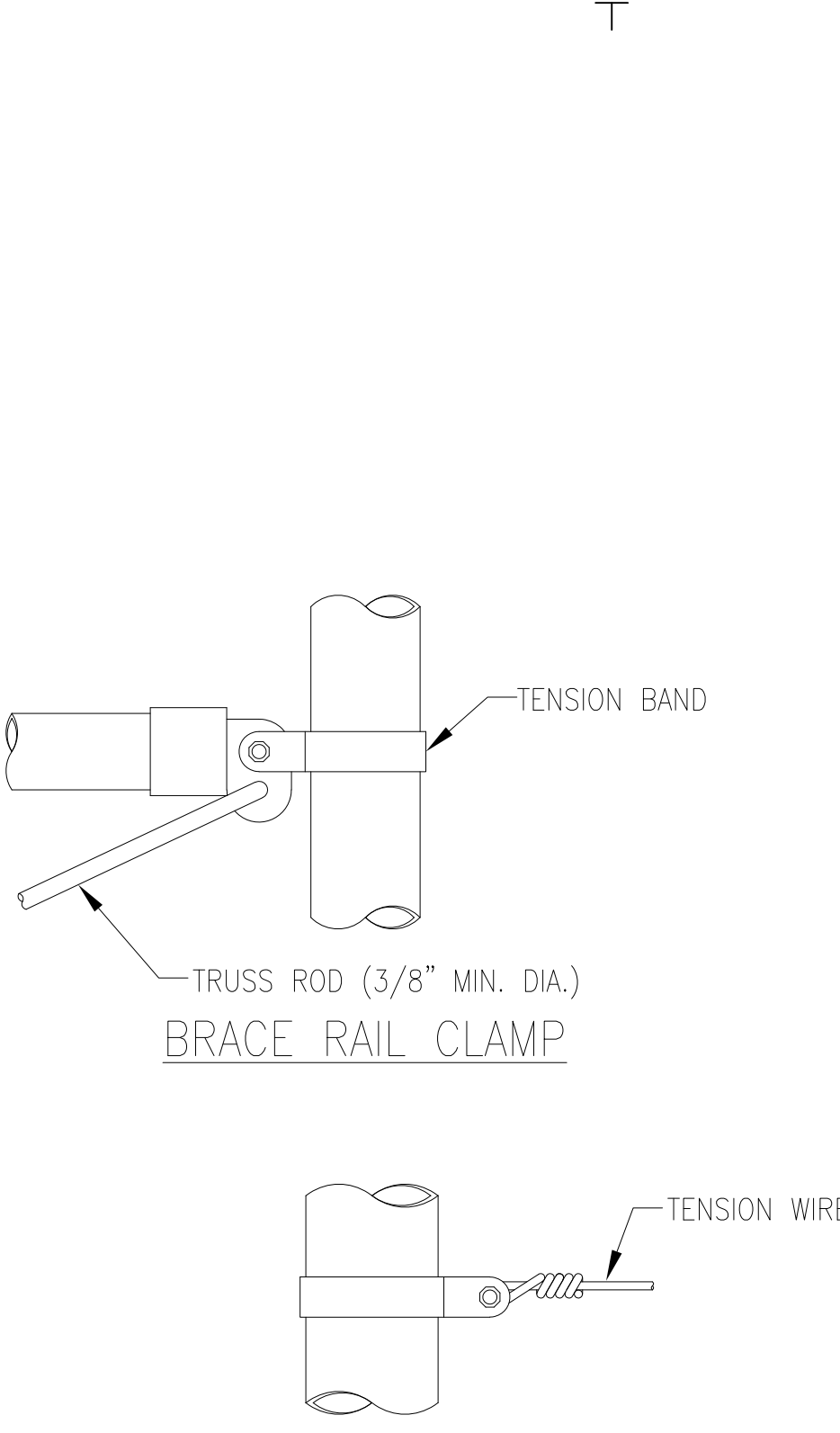
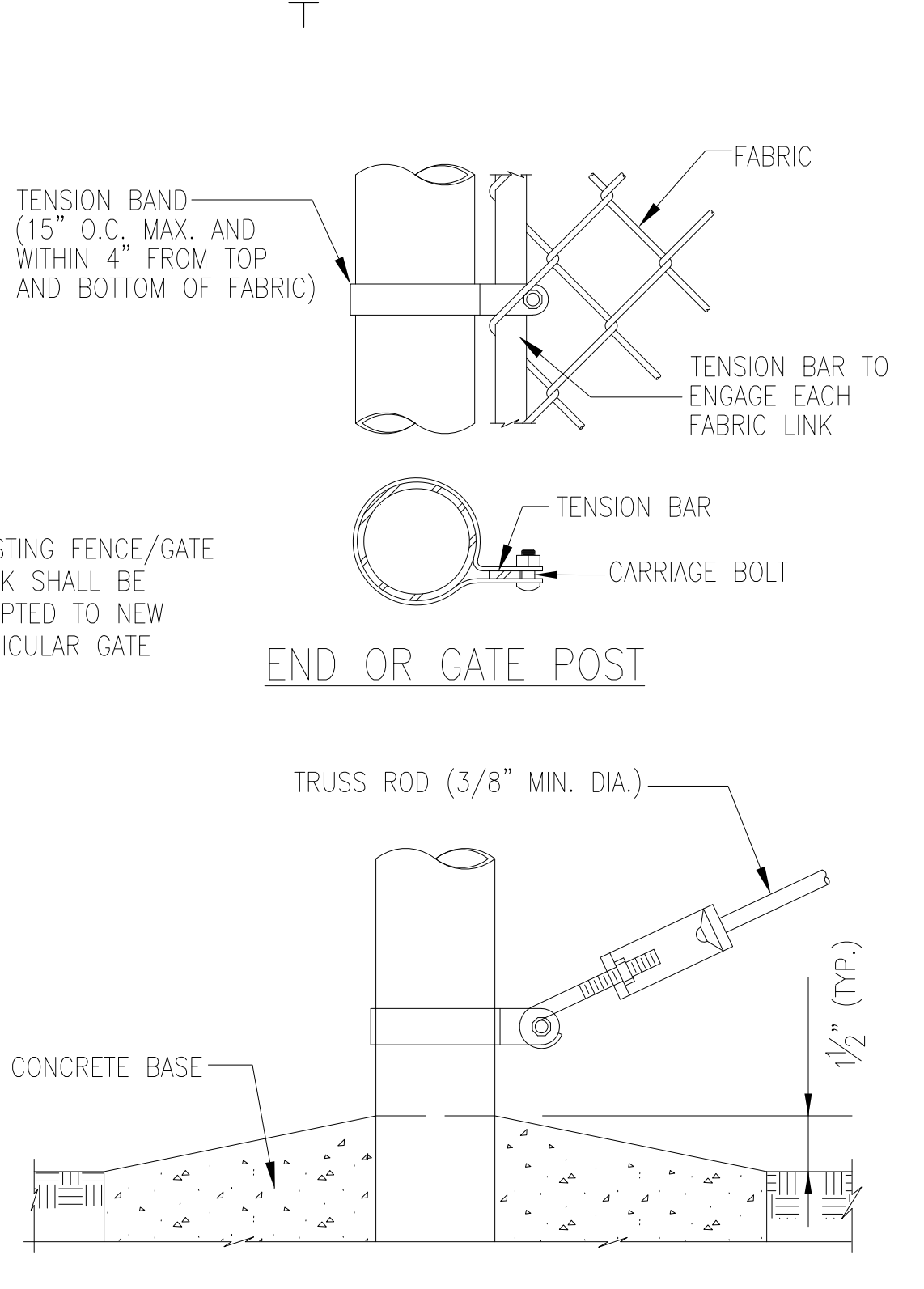
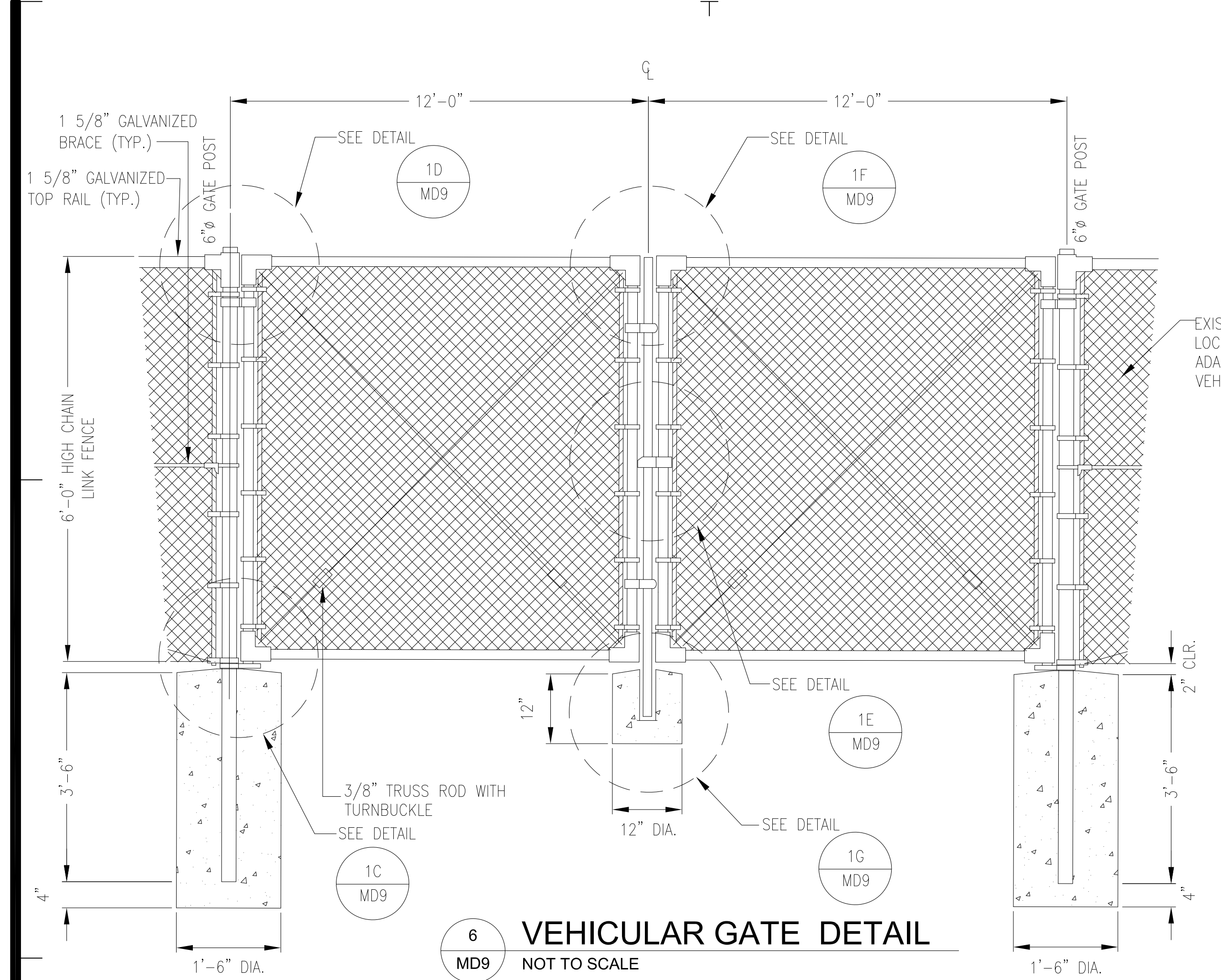
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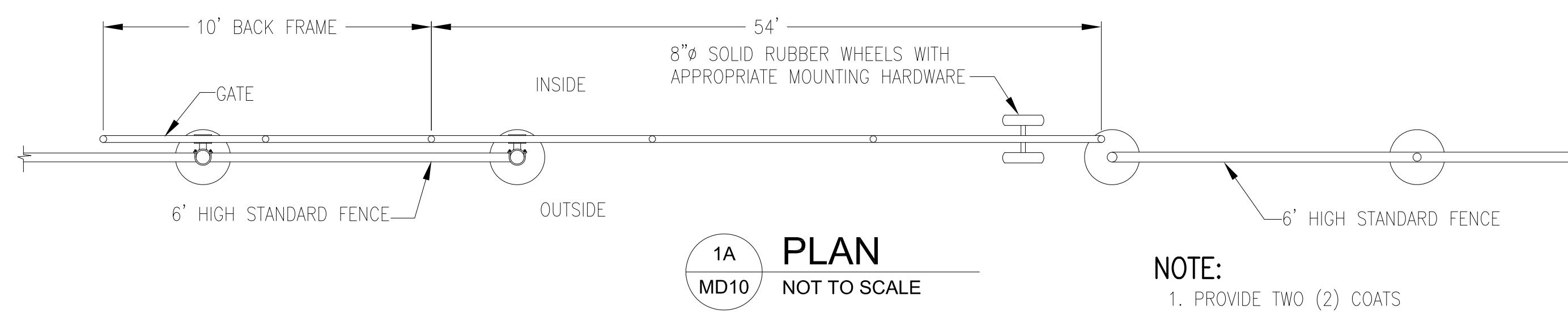
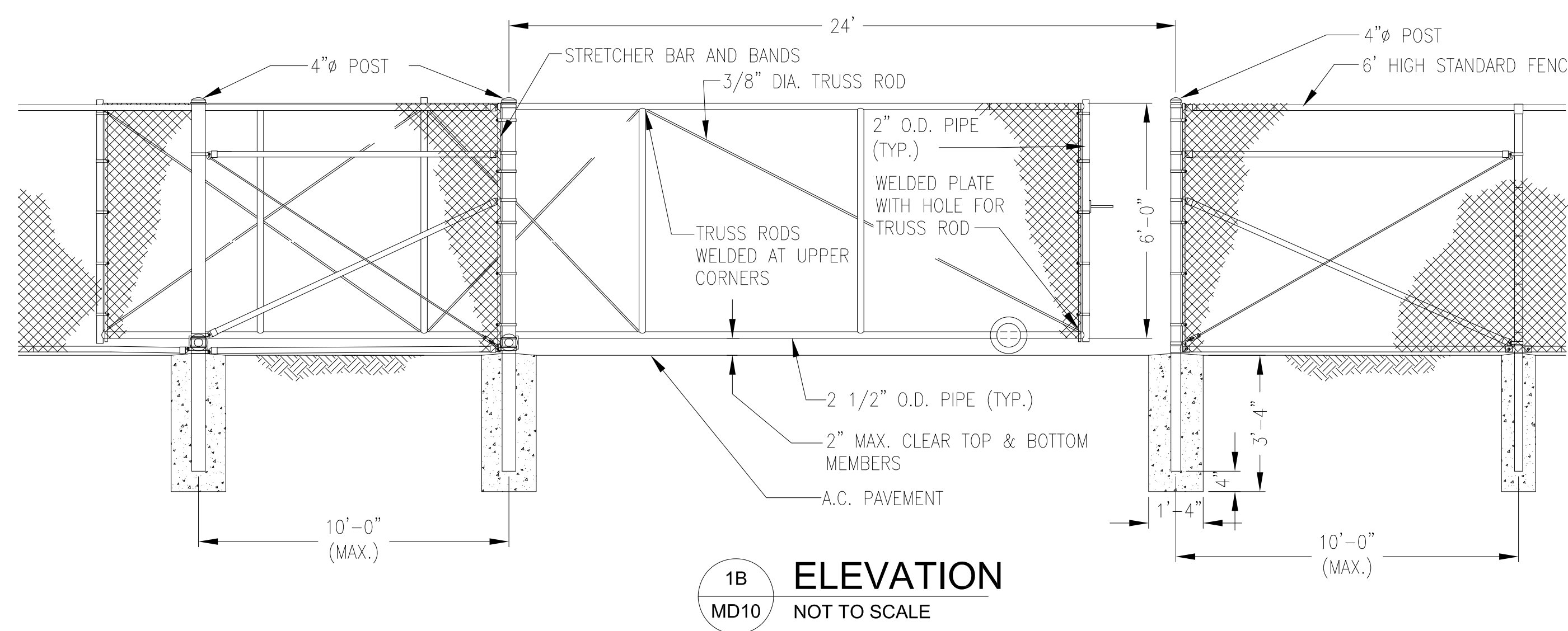
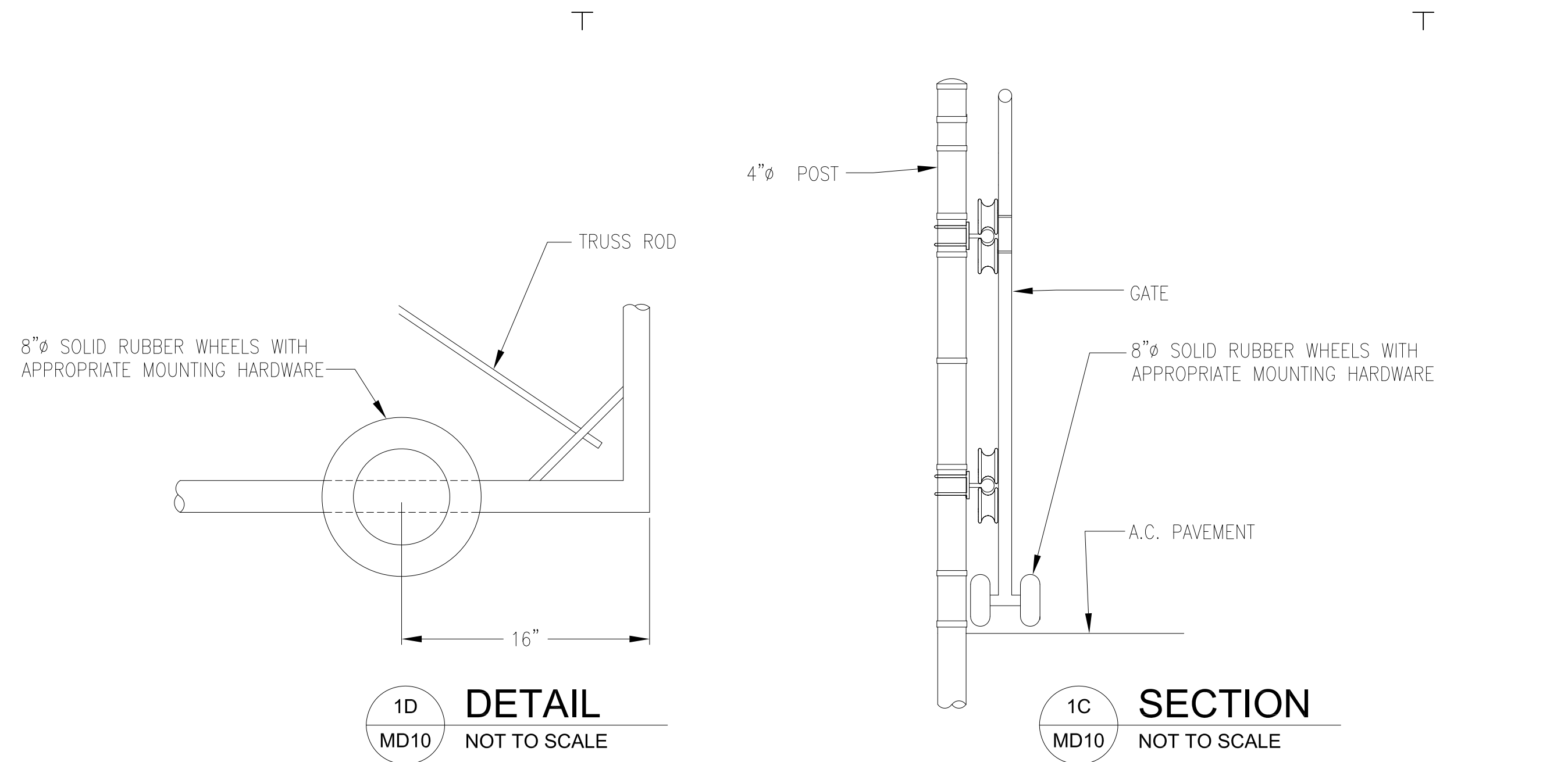
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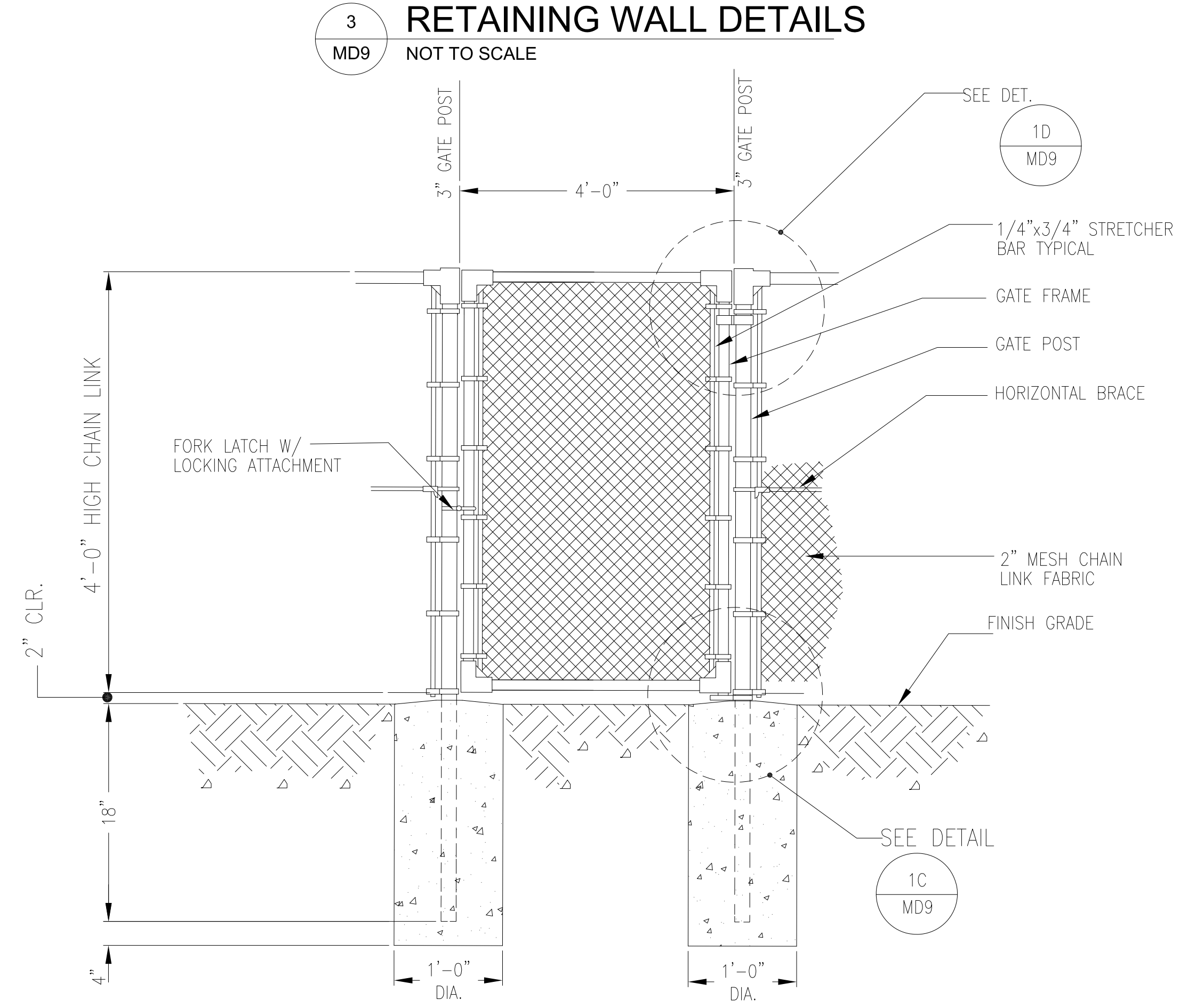
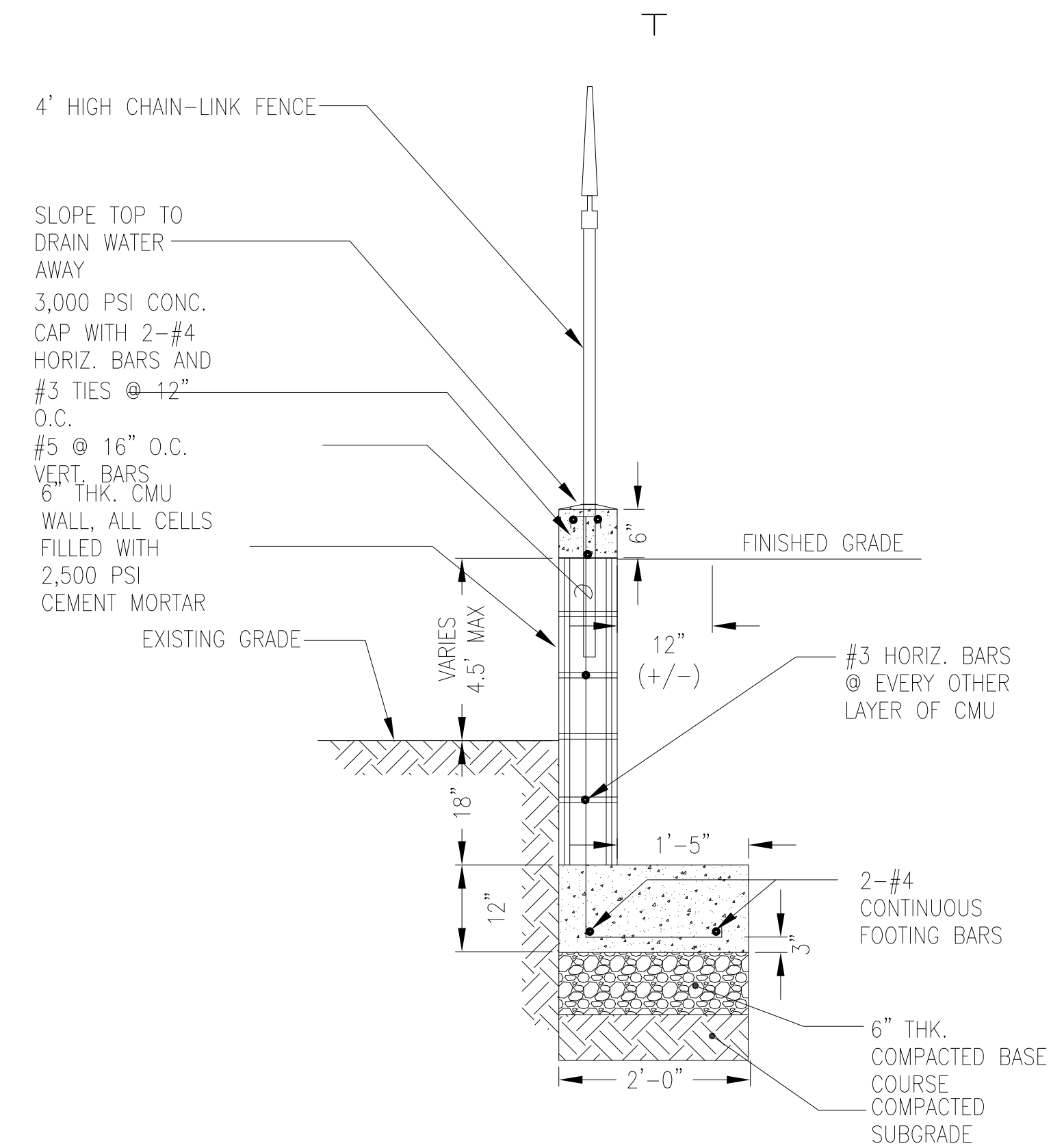
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NOTE:
1. PROVIDE TWO (2) COATS OF BITUMINOUS PAINT FOR METALS EMBEDDED IN CONCRETE.

1 SLIDING GATE DETAILS
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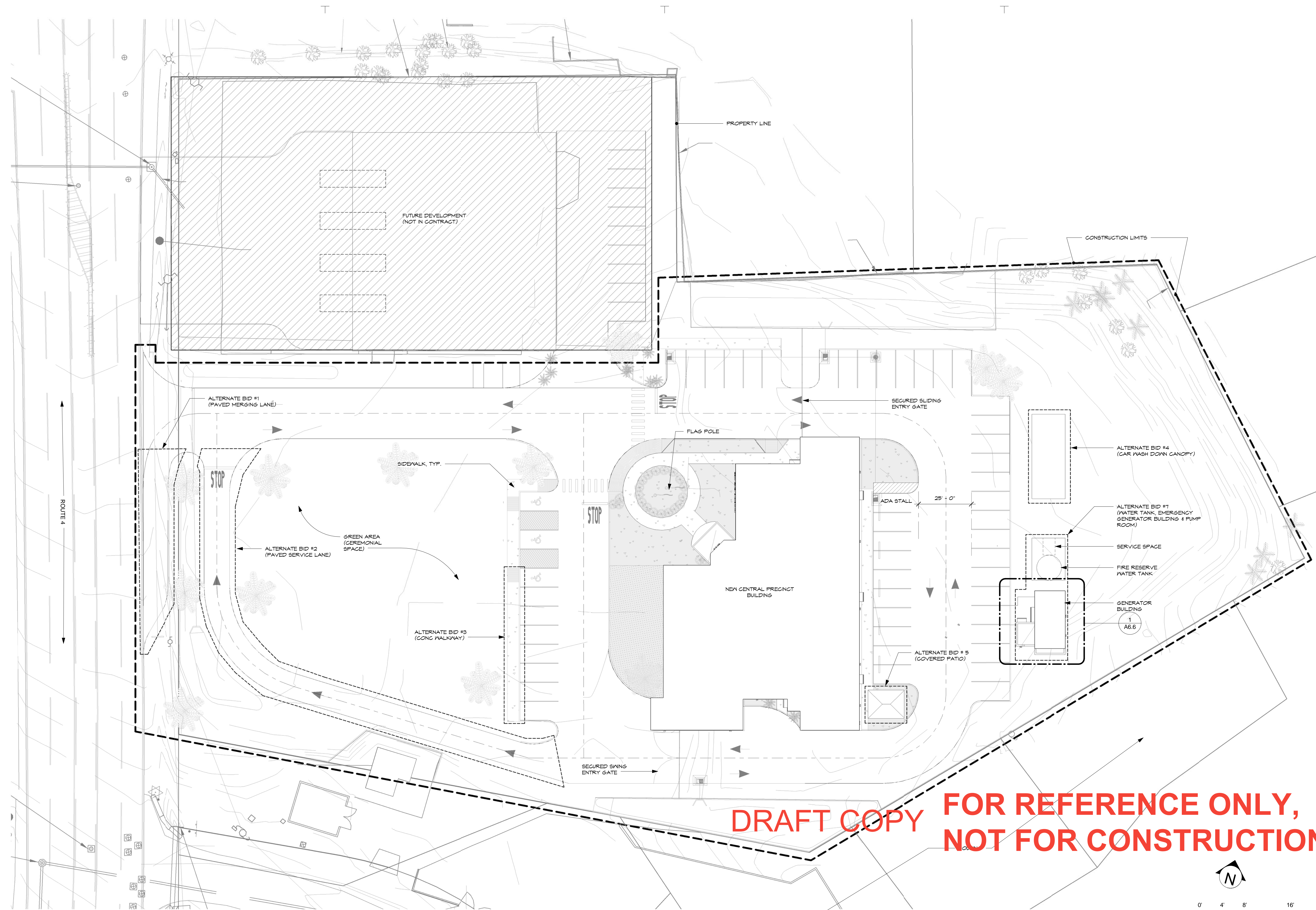
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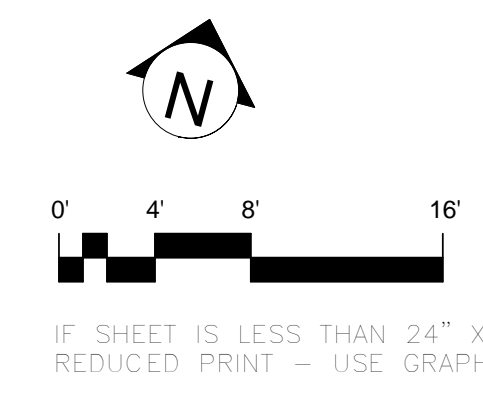
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1 SITE PLAN
 SCALE: 3/64" = 1'-0"

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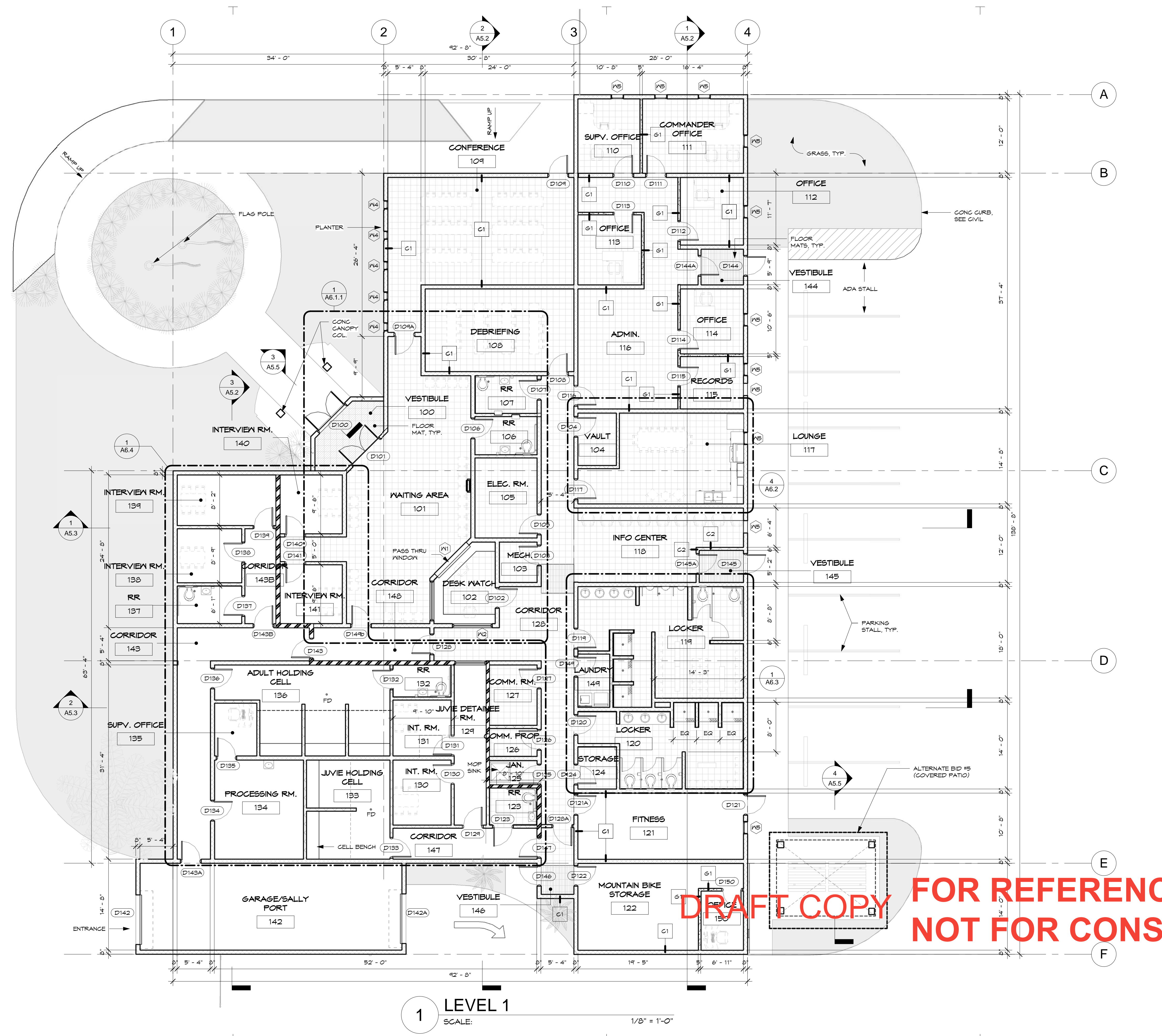
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A1.1
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NOTES:
1. FURNITURE IS N.I.C.

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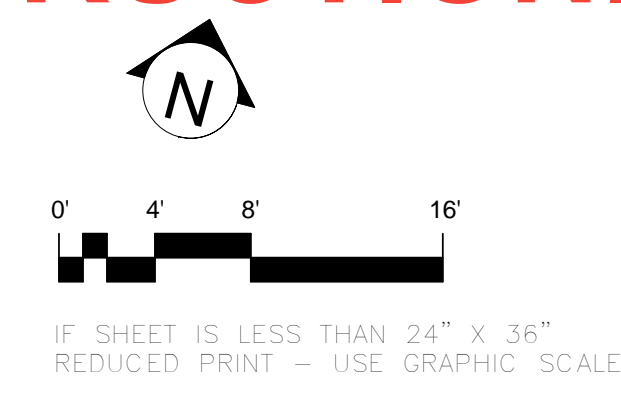
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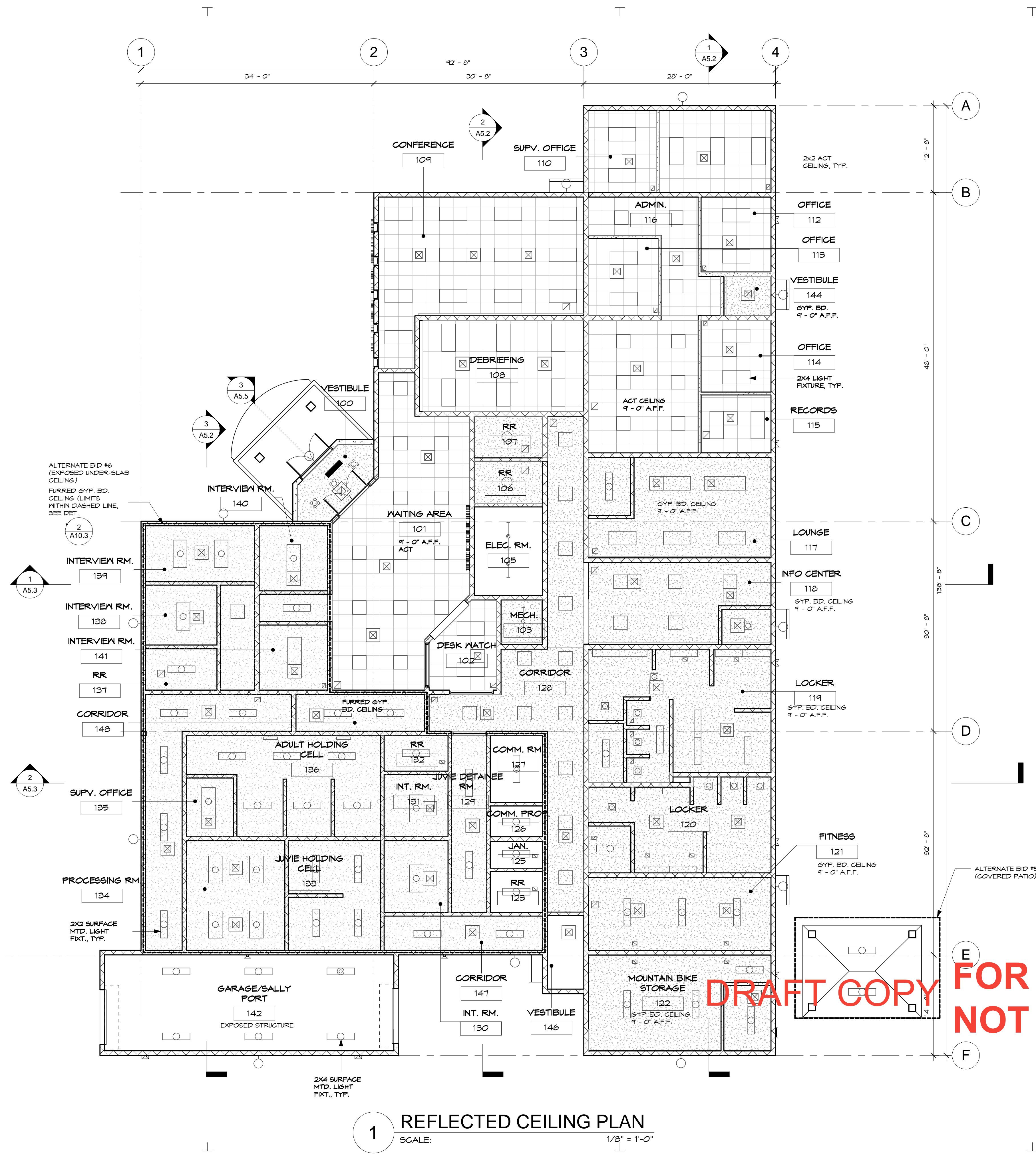
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1 LEVEL 1
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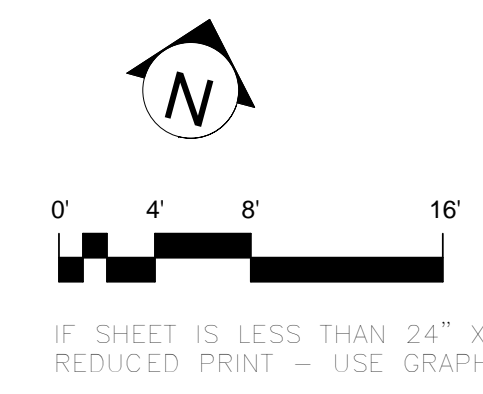
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12/19/2016 11:40:13 AM



1 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

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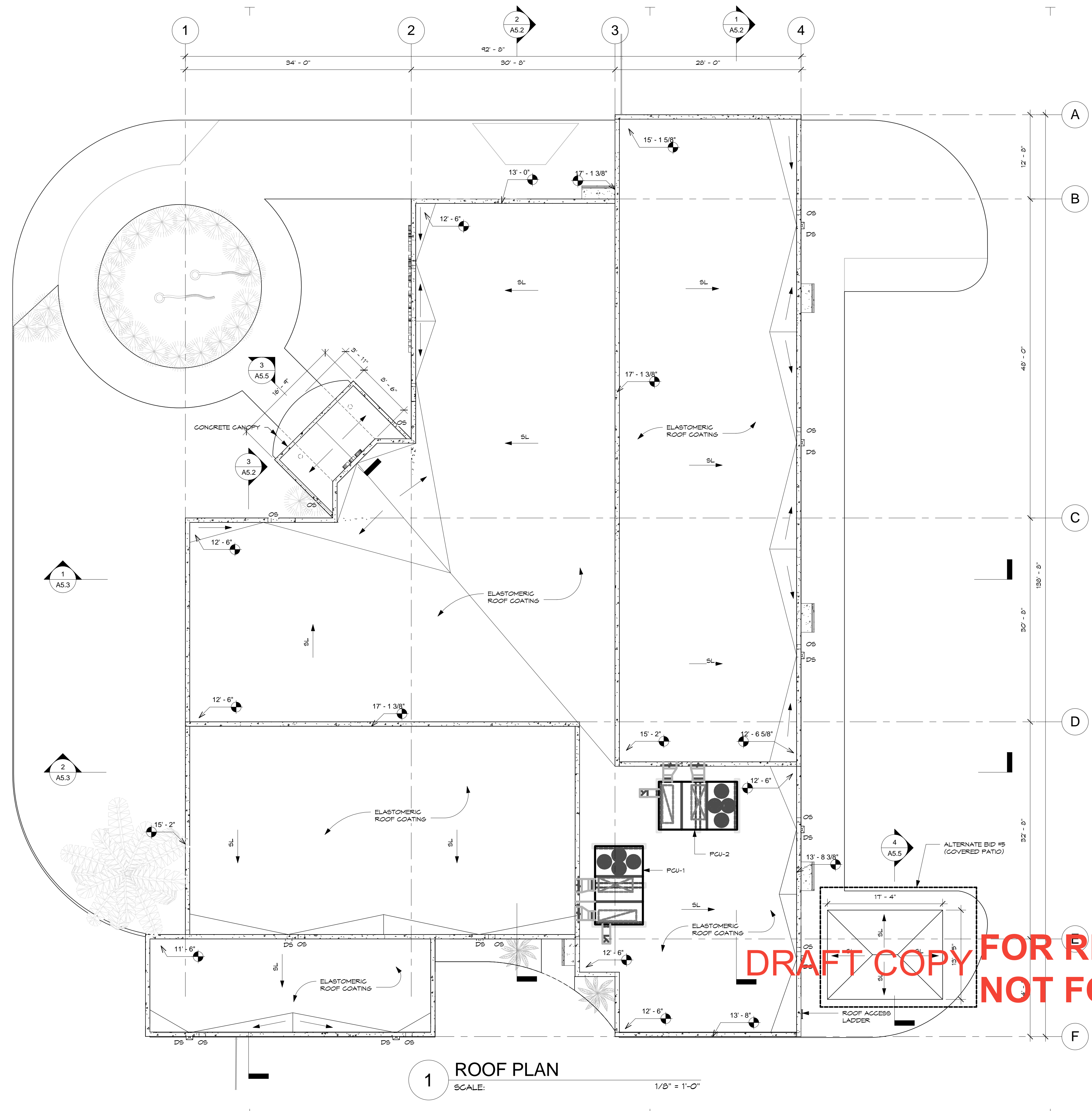
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CENTRAL
POLICE PRECINCT

Title:
FIRST FLOOR
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PLAN

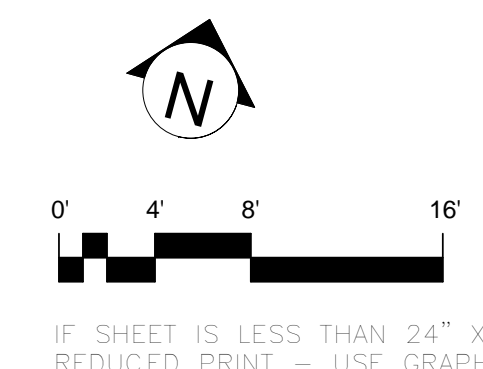
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Project No. File
No.
Drawing No.

A3.1
Sheet No. of



1 ROOF PLAN
SCALE: 1/8" = 1'-0"



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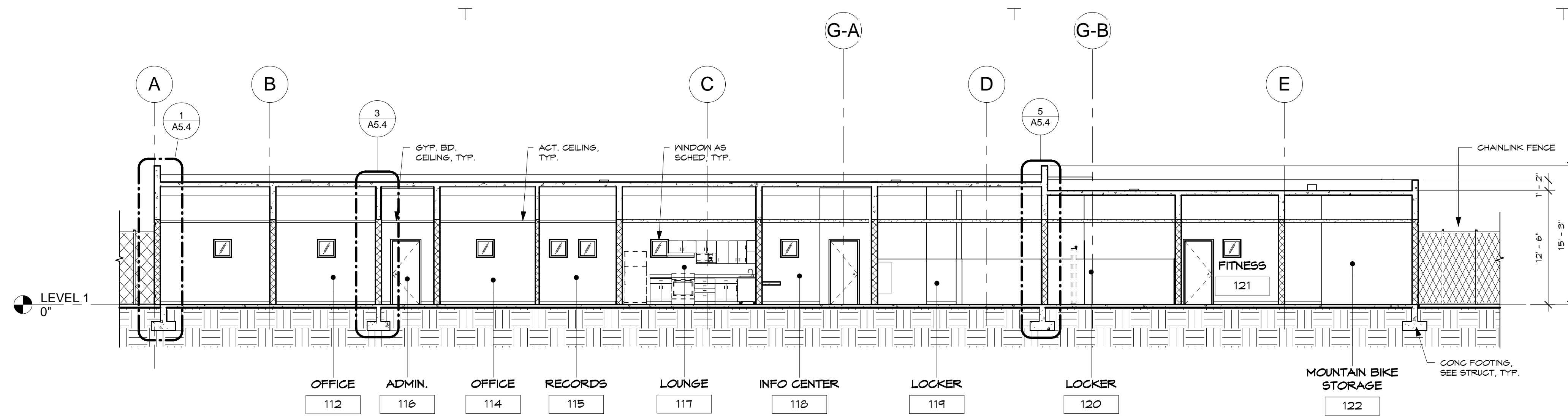
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**CENTRAL
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Title:
ROOF PLAN

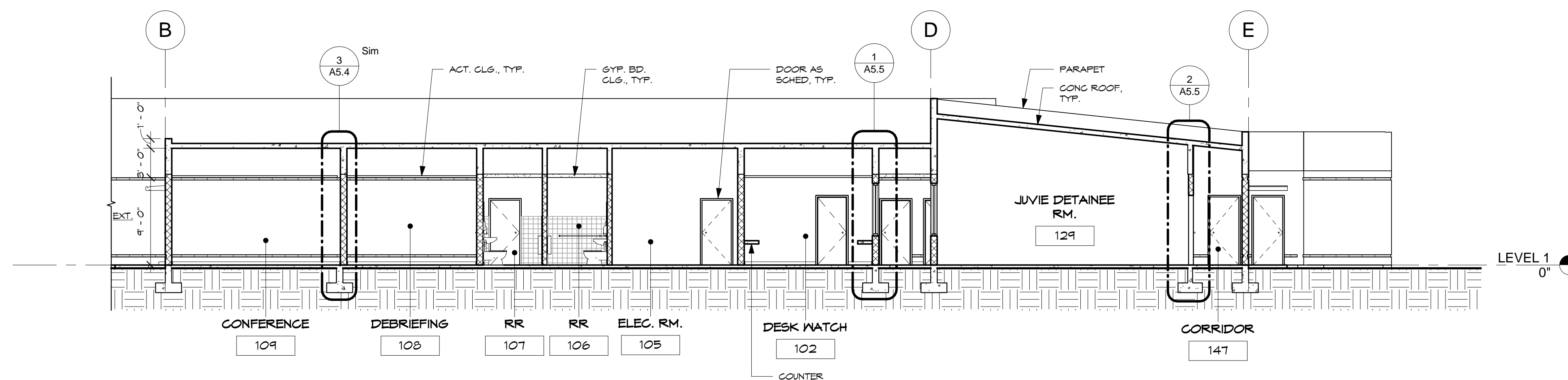
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Project No. File
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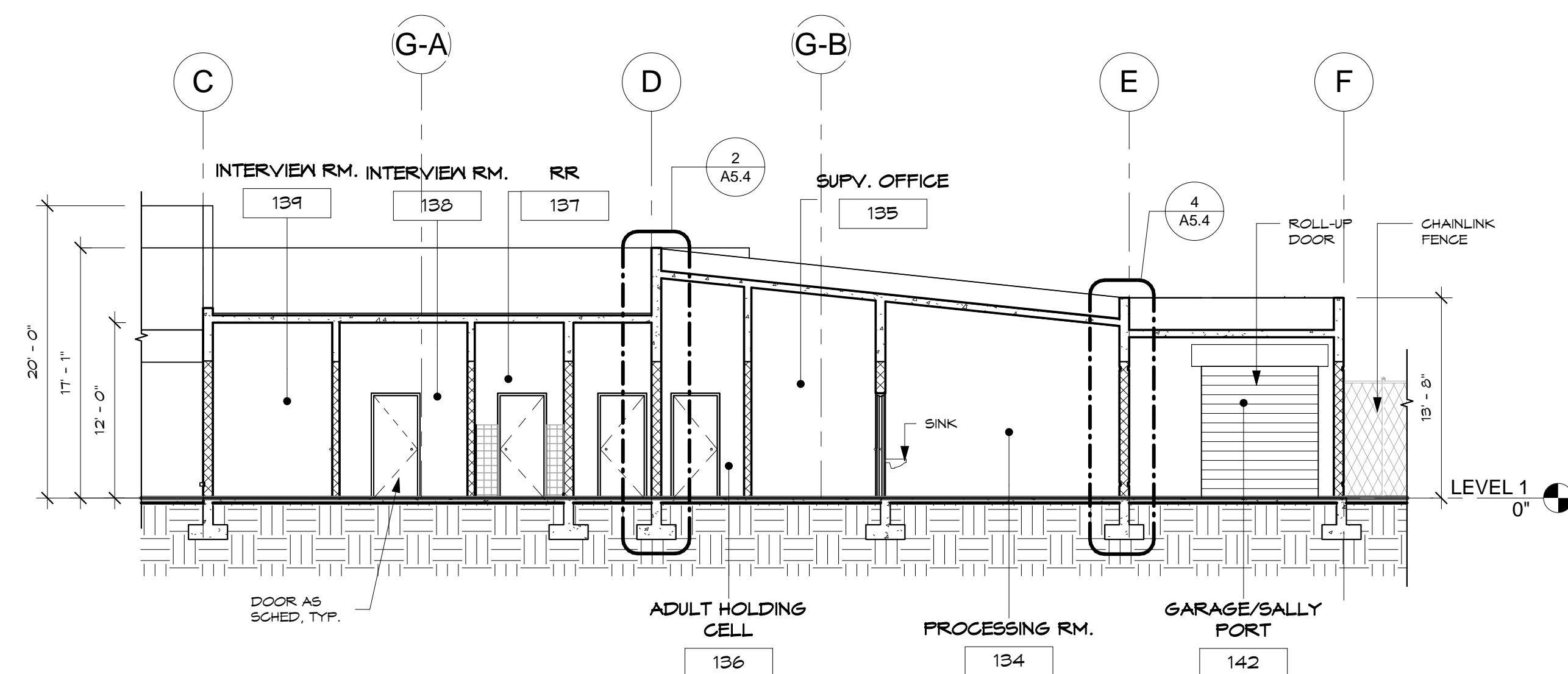
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A4.1
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1 BUILDING SECTION
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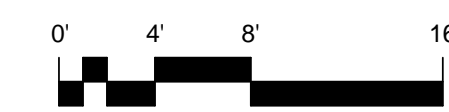


2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
SCALE: 1/8" = 1'-0"

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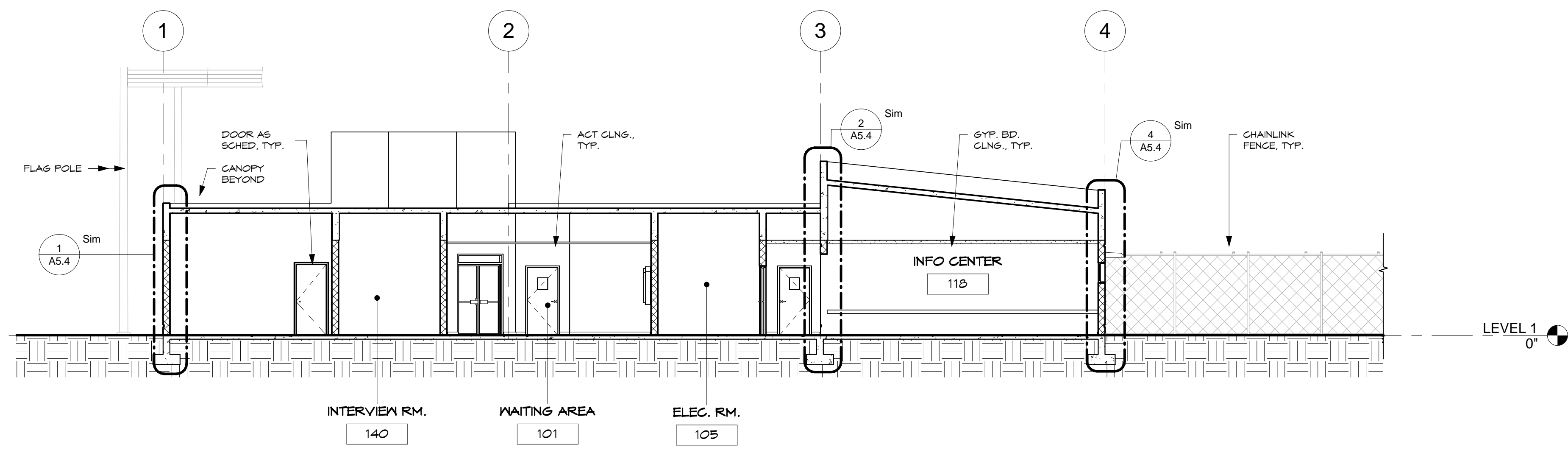
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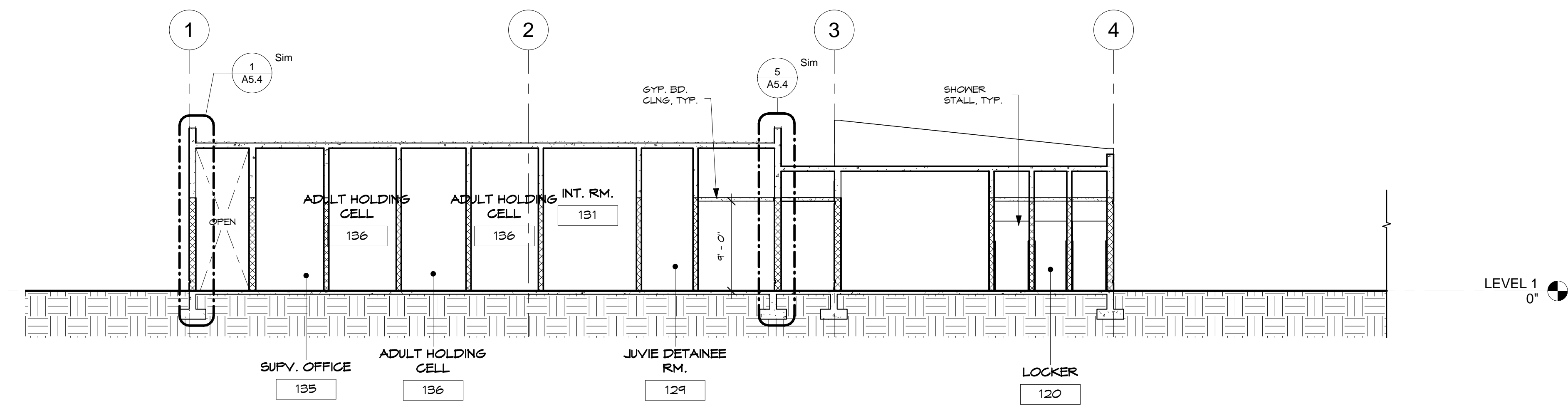
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Project No. File No.
Drawing No.
A5.2
Sheet No. of

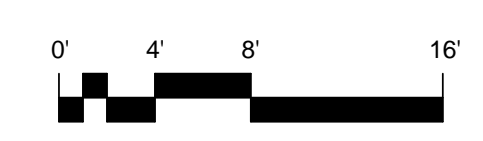


1 CROSS SECTION
SCALE: 1/8" = 1'-0"



2 CROSS SECTION
SCALE: 1/8" = 1'-0"

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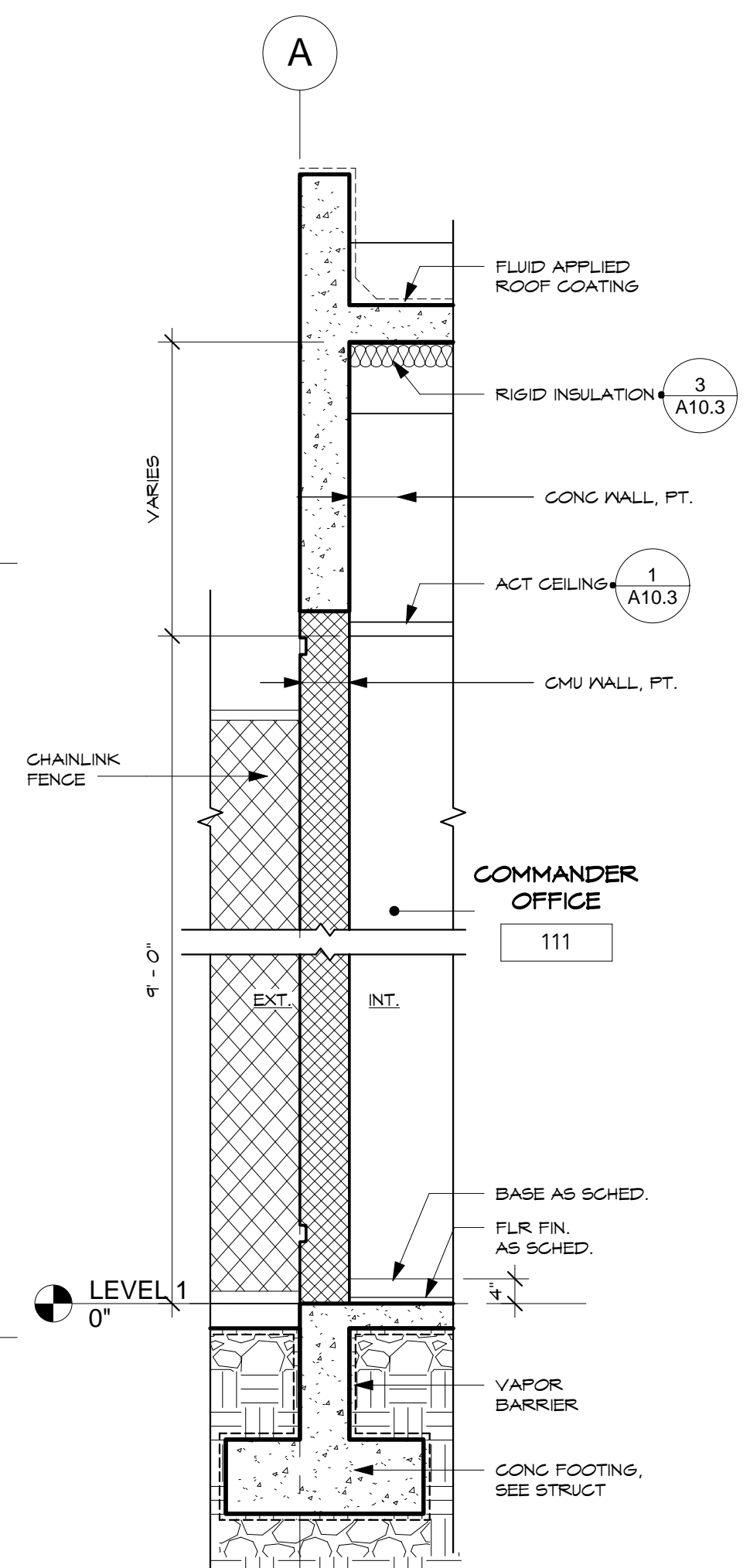
Project:
**CENTRAL
POLICE PRECINCT**

Title:
BUILDING SECTIONS

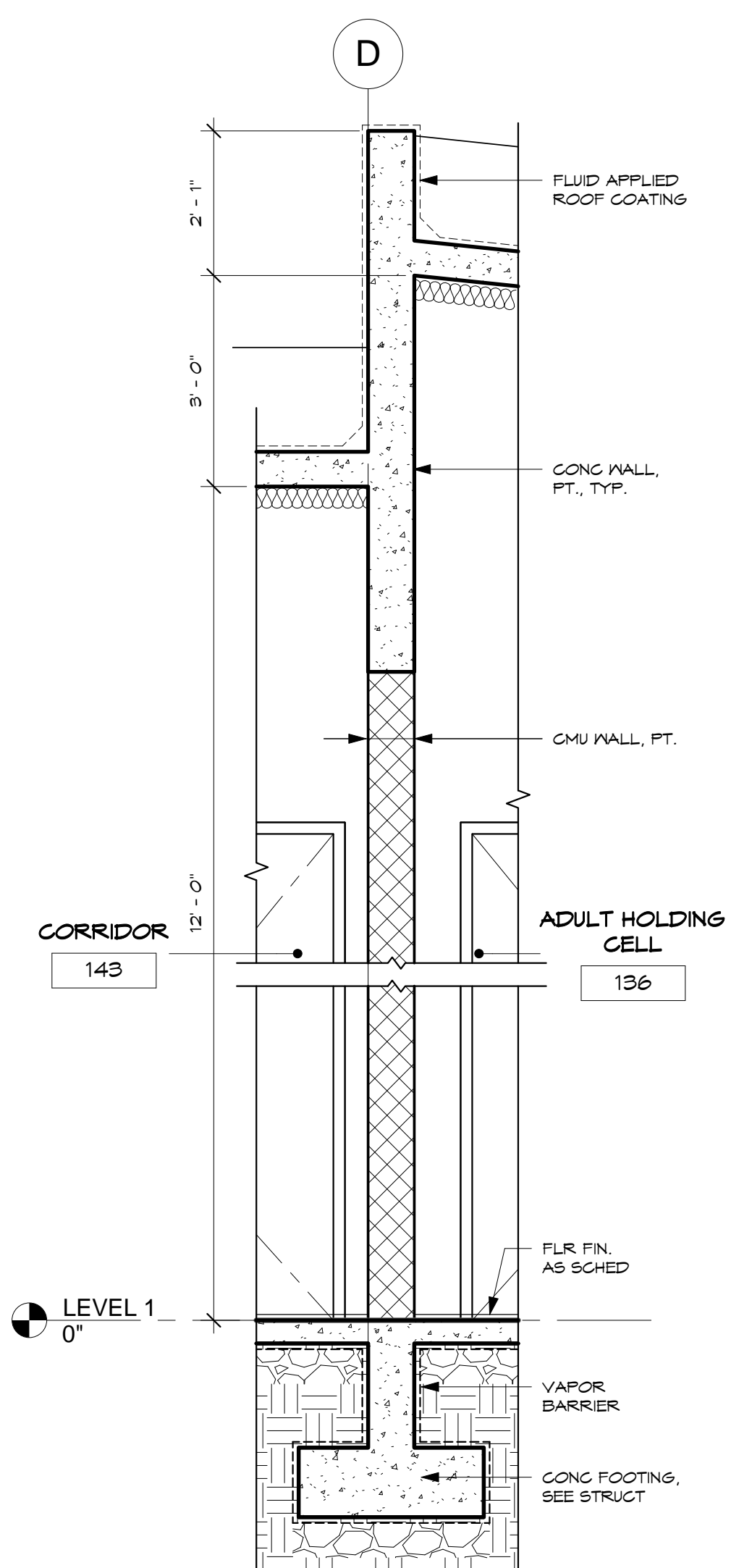
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Drawing No.

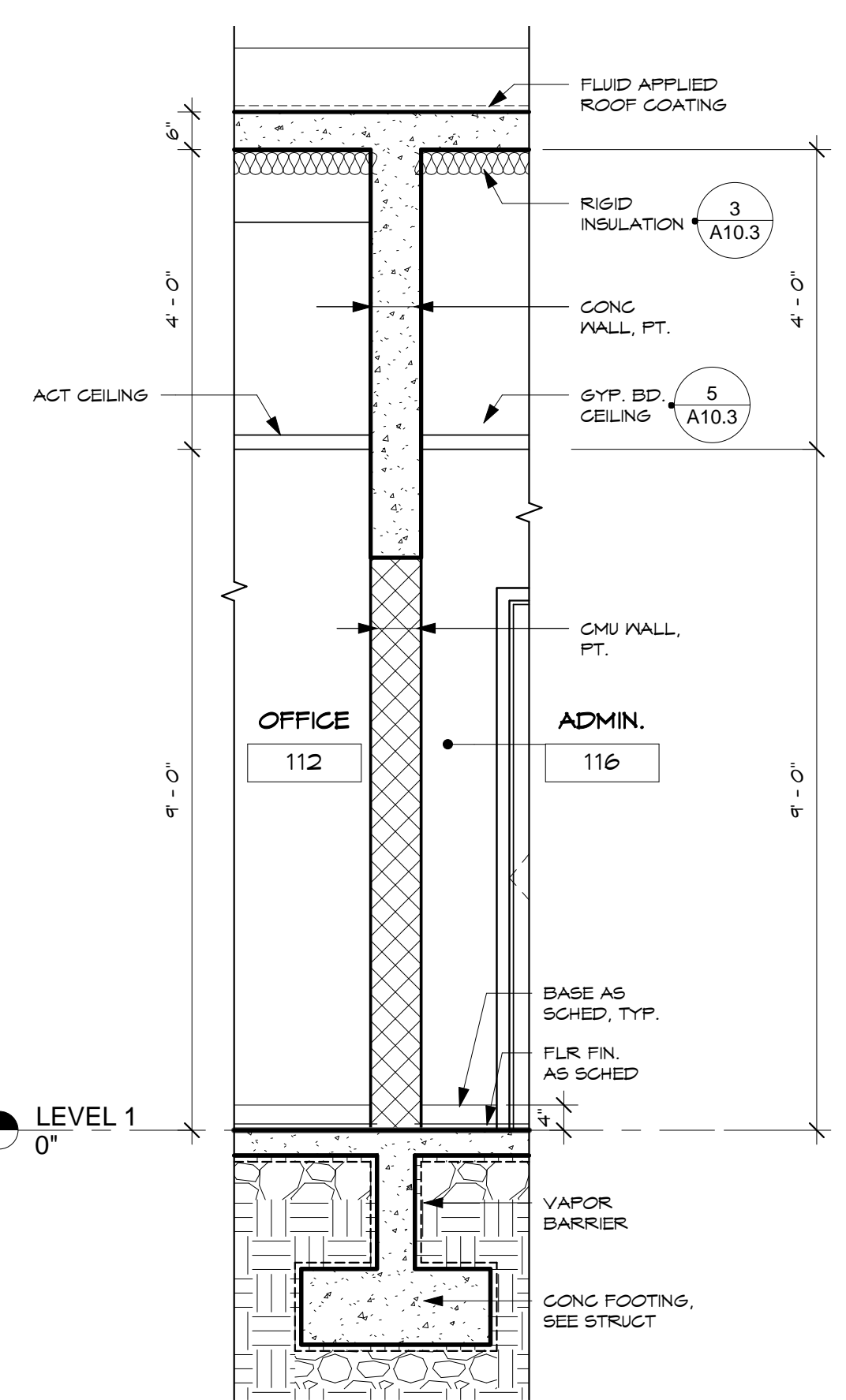
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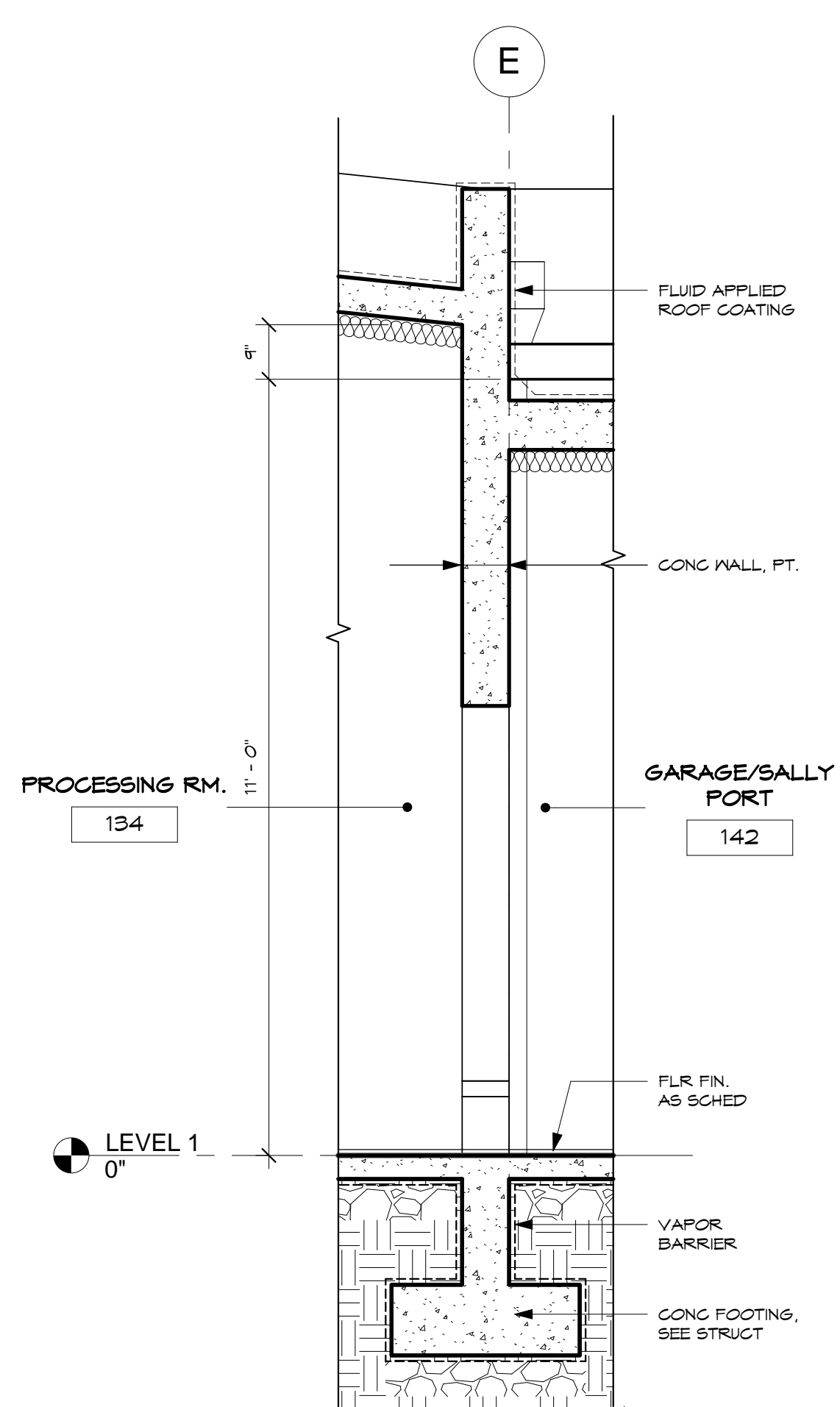
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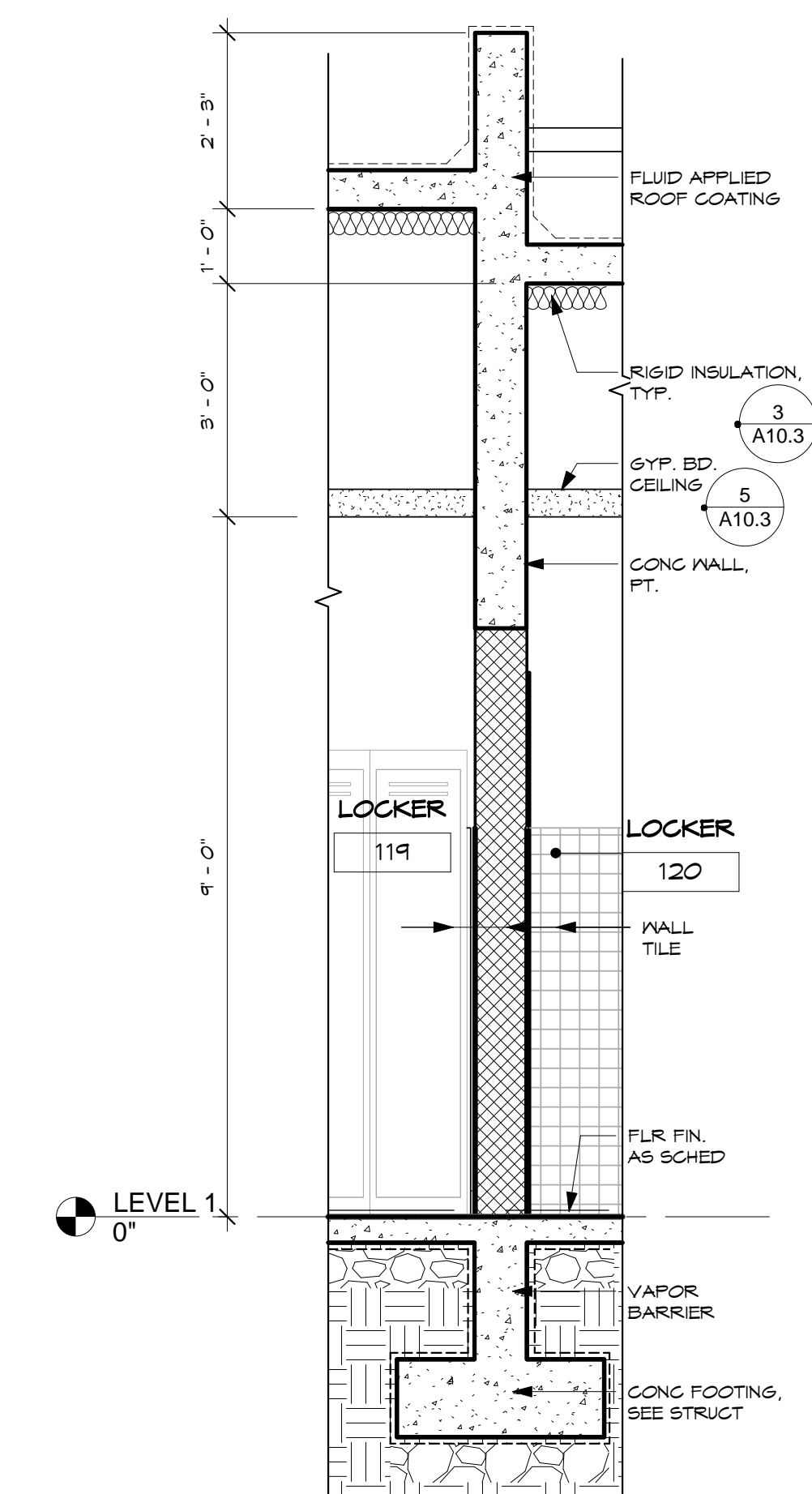
2 WALL SECTION
SCALE: 1/2" = 1'-0"



3 WALL SECTION
SCALE: 1/2" = 1'-0"

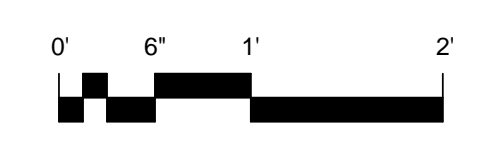


4 WALL SECTION
SCALE: 1/2" = 1'-0"



5 WALL SECTION
SCALE: 1/2" = 1'-0"

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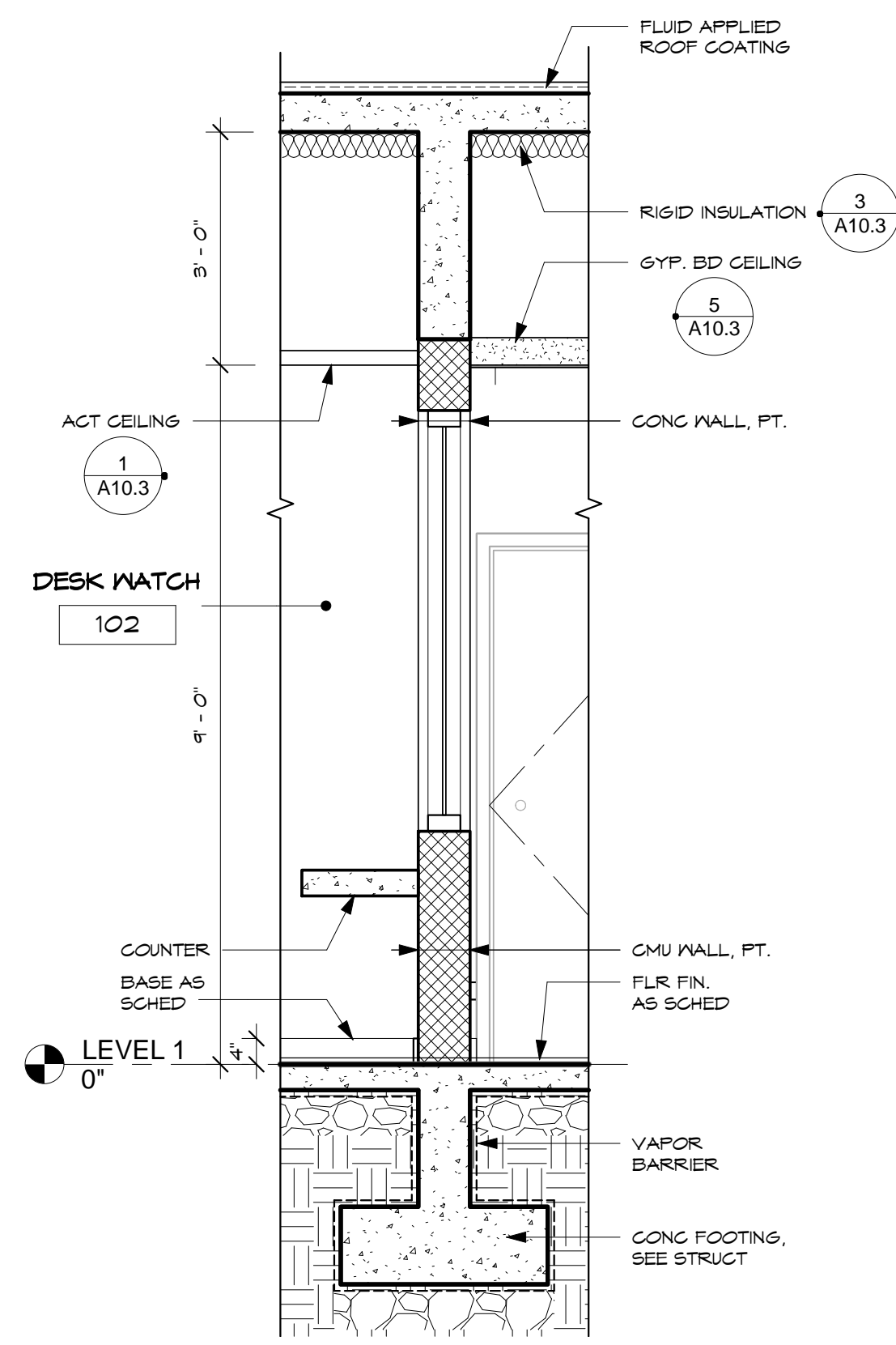
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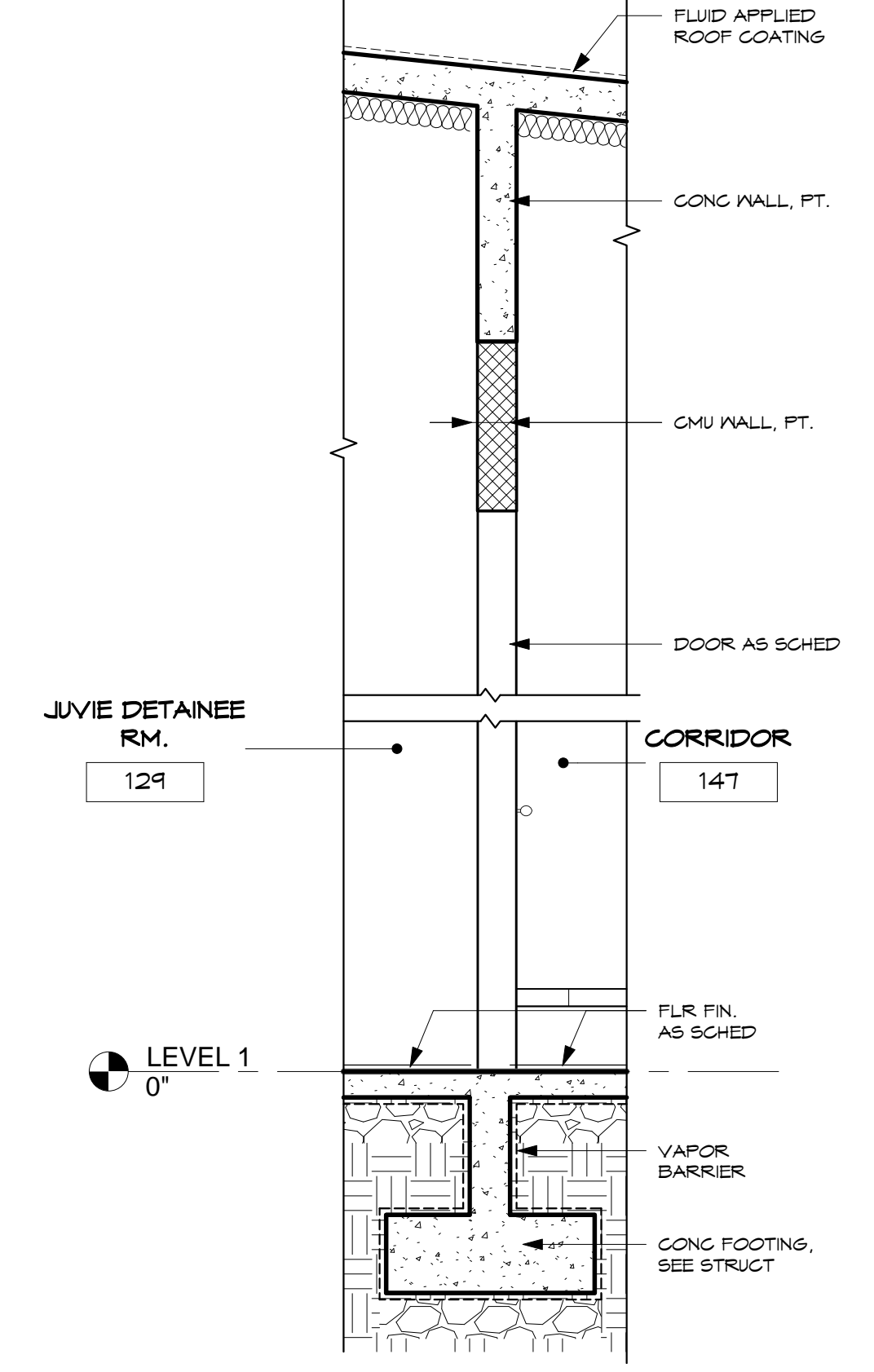
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BID DOCUMENTS

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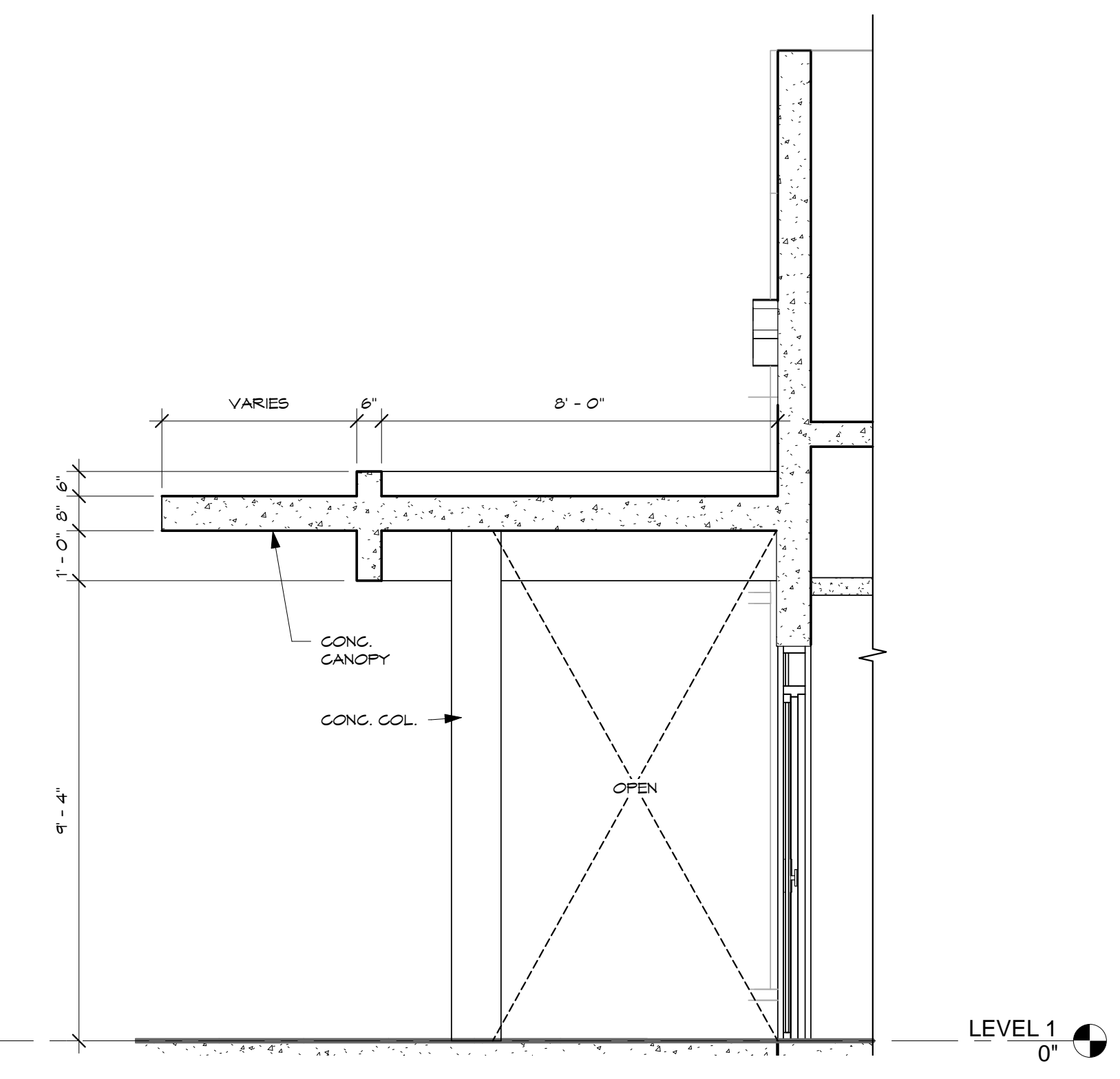
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Sheet No. _____ of _____



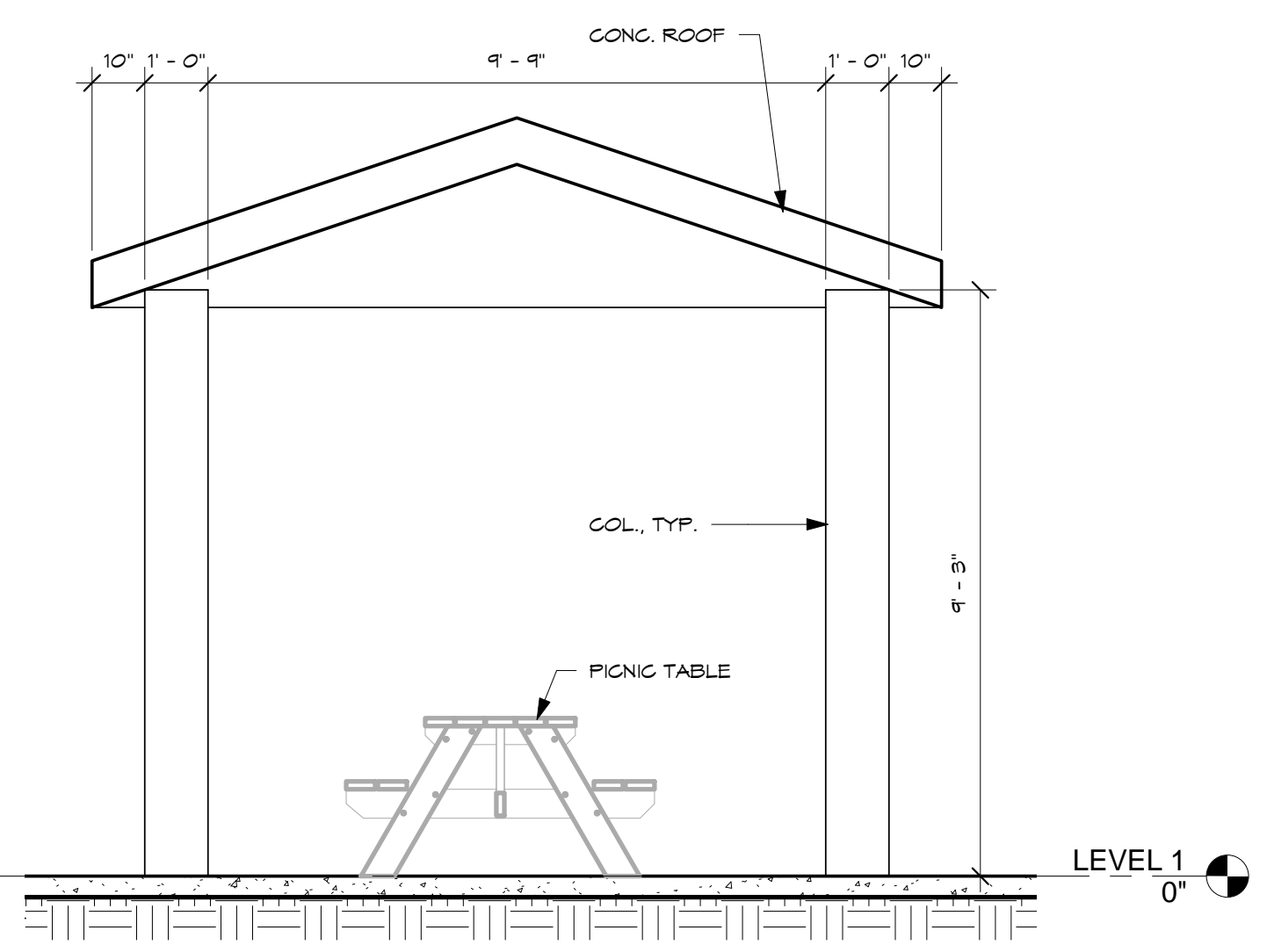
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SCALE: 1/2" = 1'-0"



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

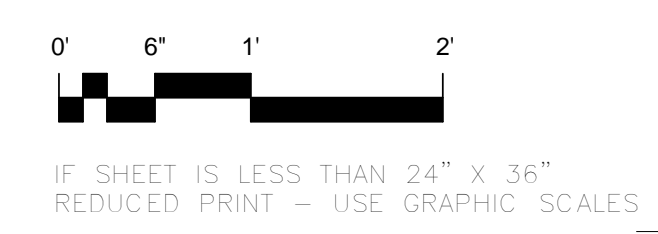


3 SECTION - ENTRANCE CANOPY
SCALE: 3/8" = 1'-0"



4 SECTION - RATIO

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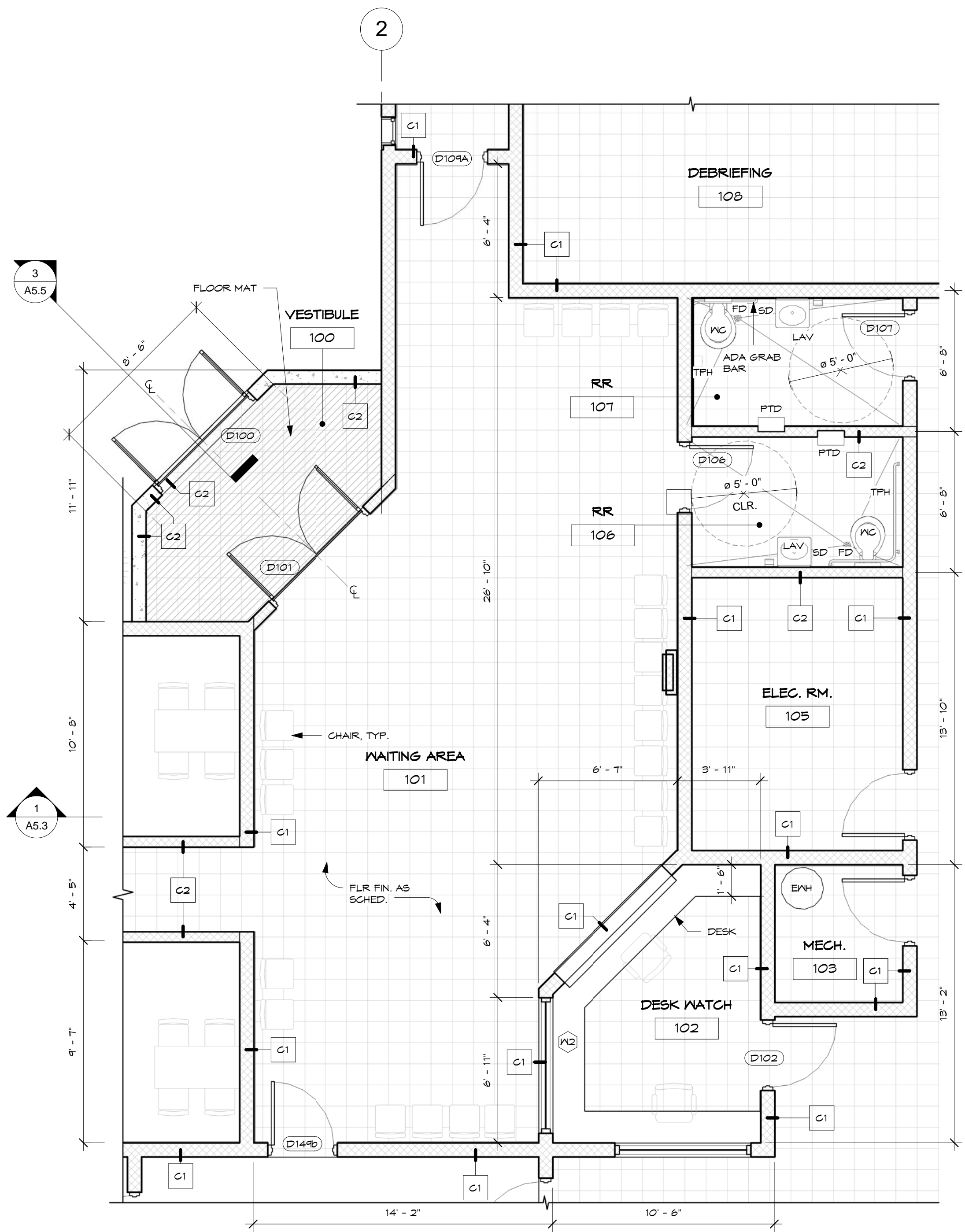
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Title:
WALL SECTIONS

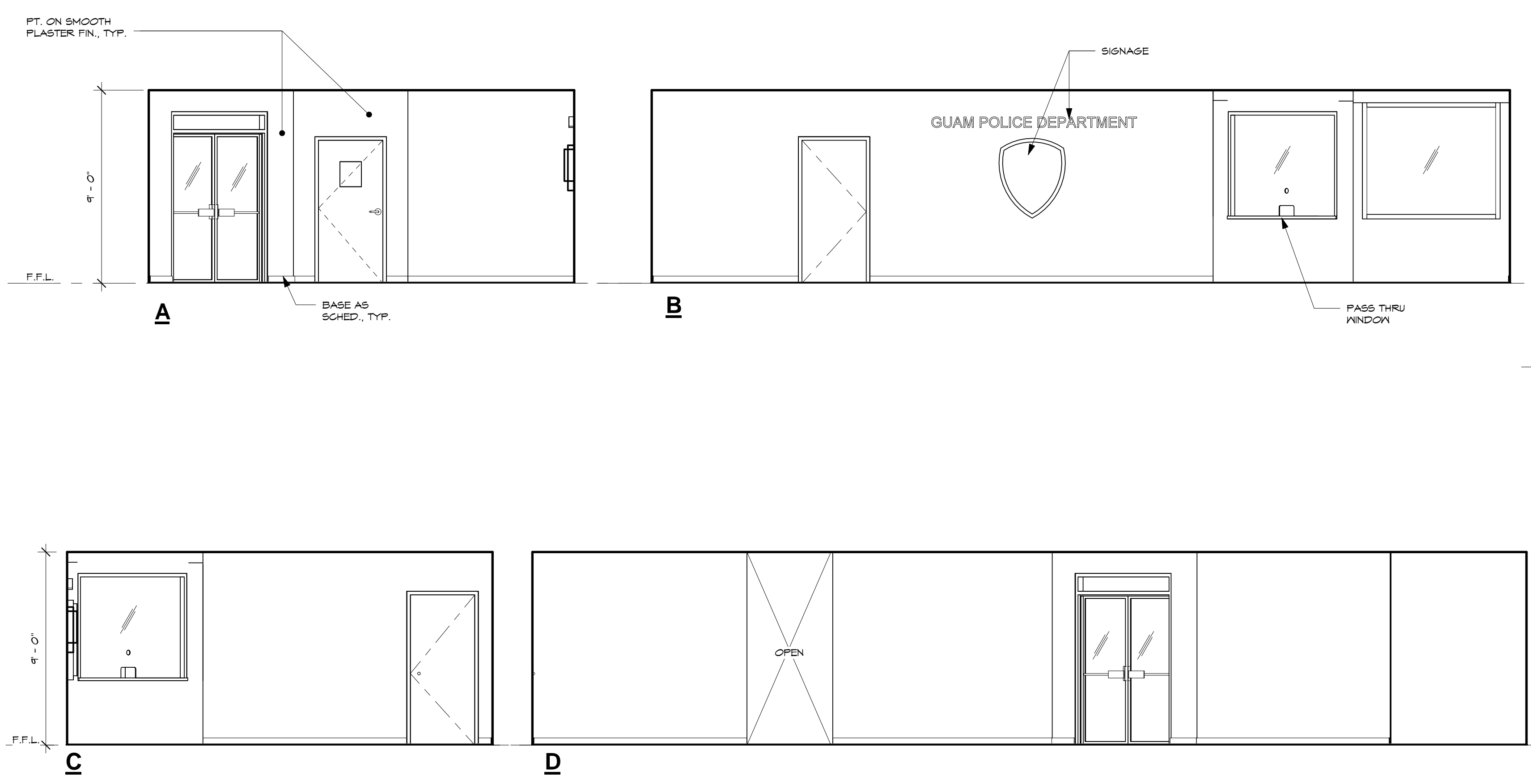
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Drawing No.

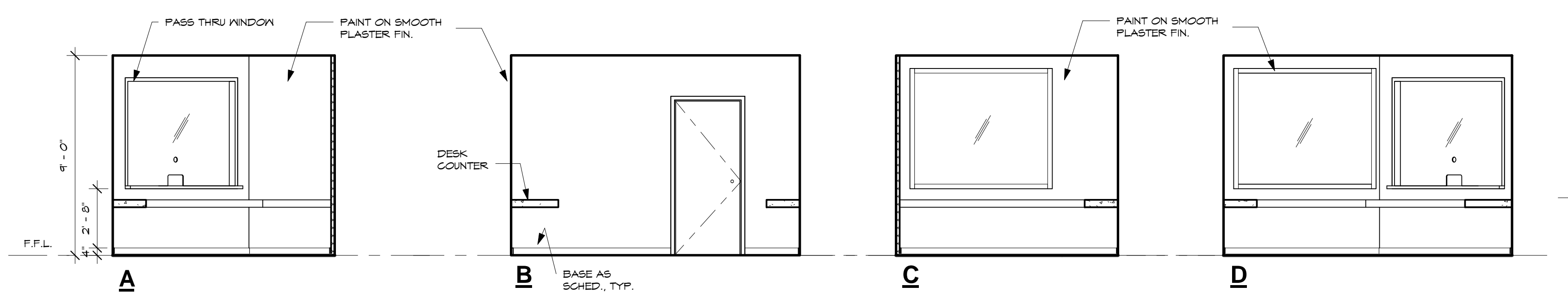
A5.5
Sheet No. of



1 ENLARGE PLAN - WAITING AREA
SCALE: 1/4" = 1'-0"

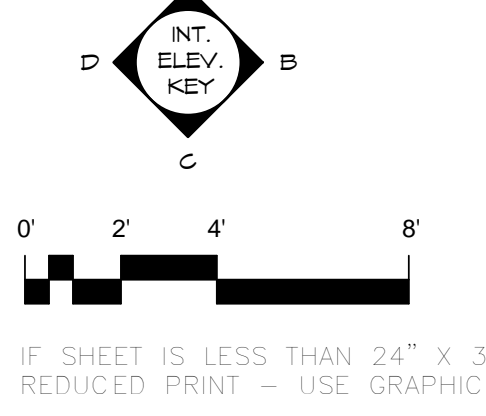


2 WAITING AREA RM. 101
SCALE: 1/4" = 1'-0"



3 DESK WATCH RM. 102
SCALE: 1/4" = 1'-0"

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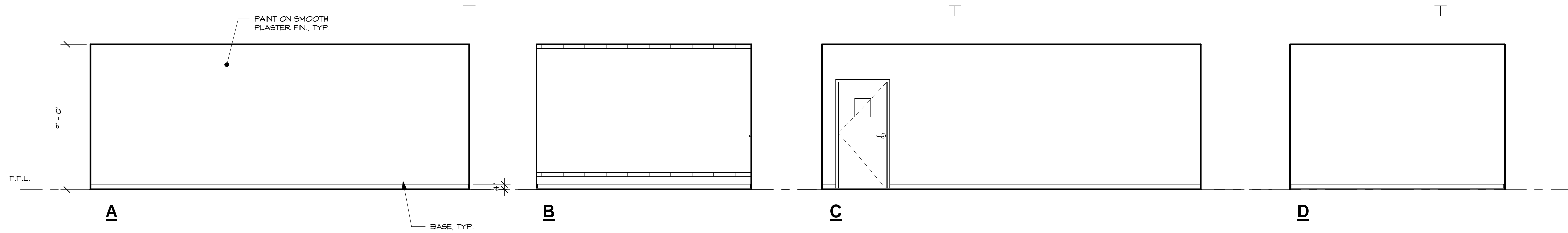
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Title:
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INT. ELEVATIONS

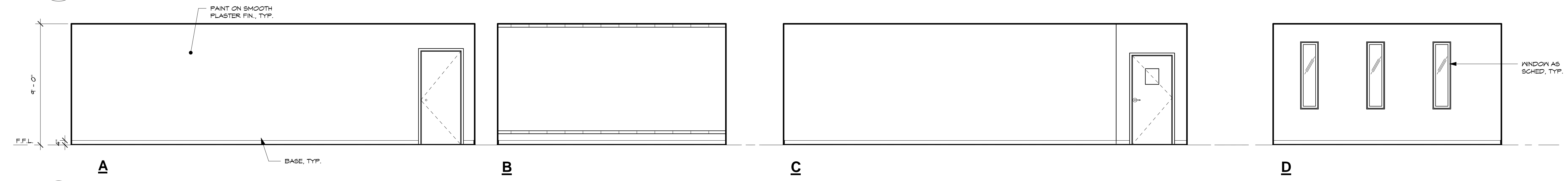
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Date: 12/19/16
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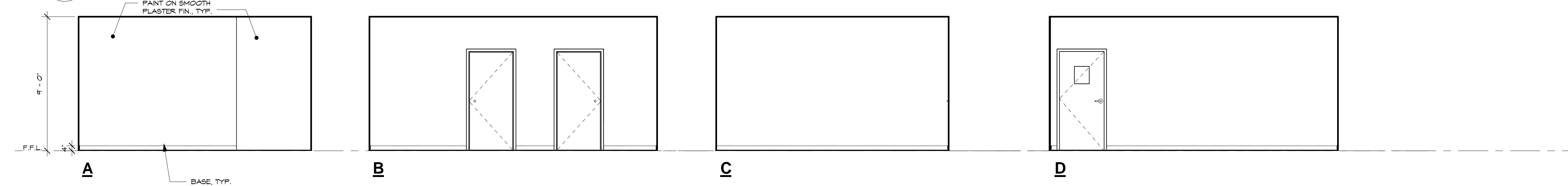
Drawing No.
A6.1.1
Sheet No. _____ of _____



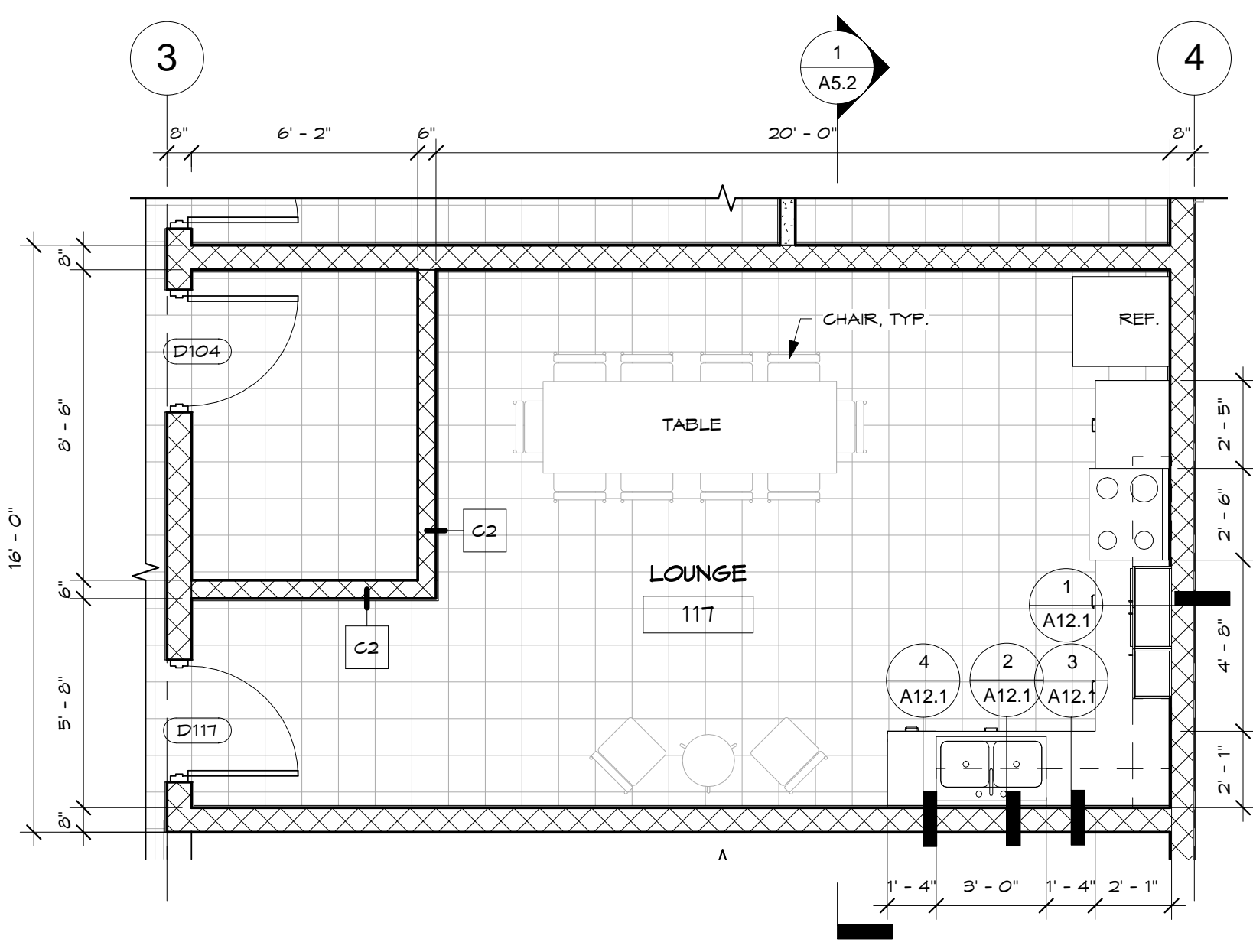
1 DEBRIEFING RM. 108
SCALE: 1/4" = 1'-0"



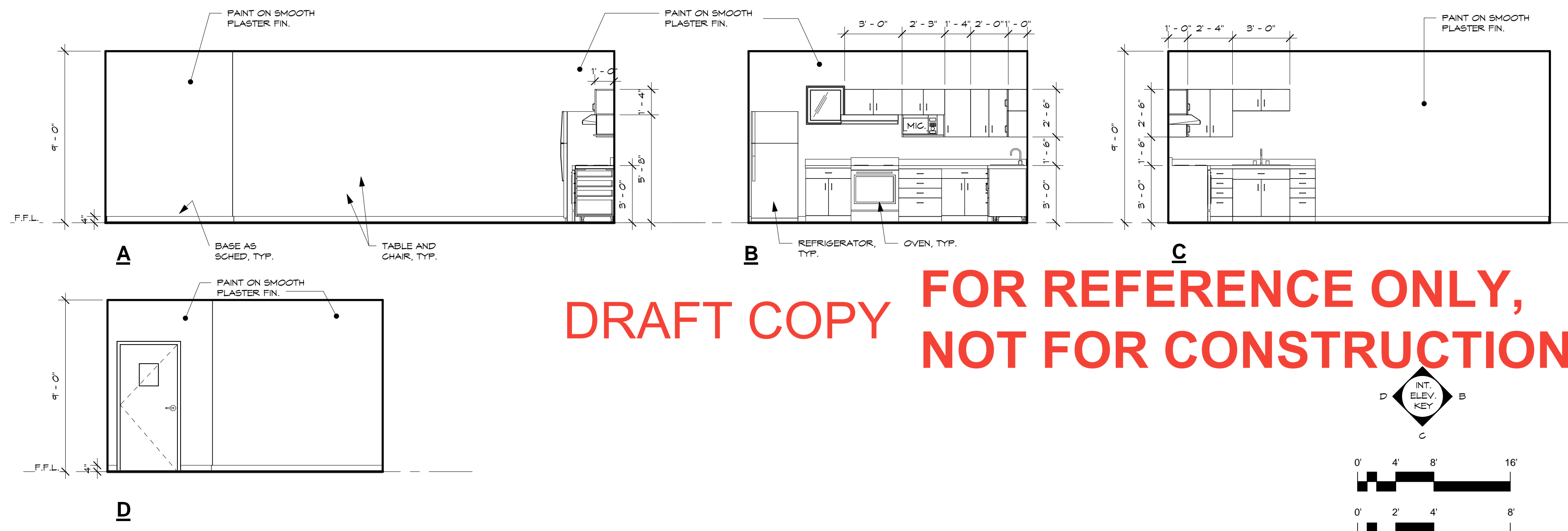
2 CONFERENCE RM. 109
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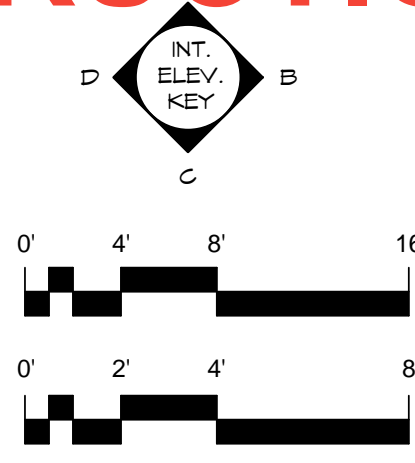
3 ADMIN. RM. 116
SCALE: 1/4" = 1'-0"



4 ENLARGE PLAN - LOUNGE RM. 117
SCALE: 1/4" = 1'-0"



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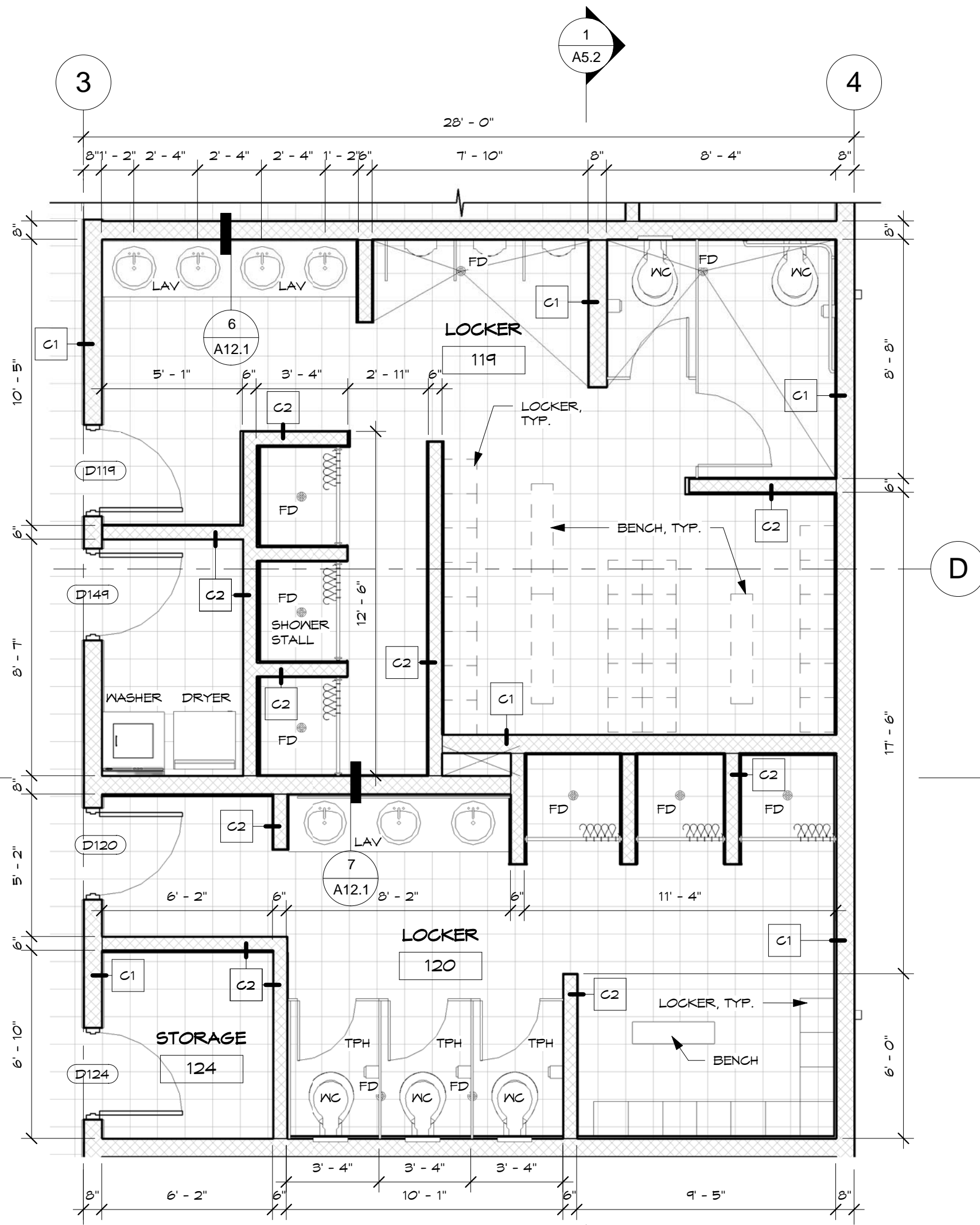
Project:
CENTRAL
POLICE PRECINCT

Title:
INTERIOR ELEVATIONS

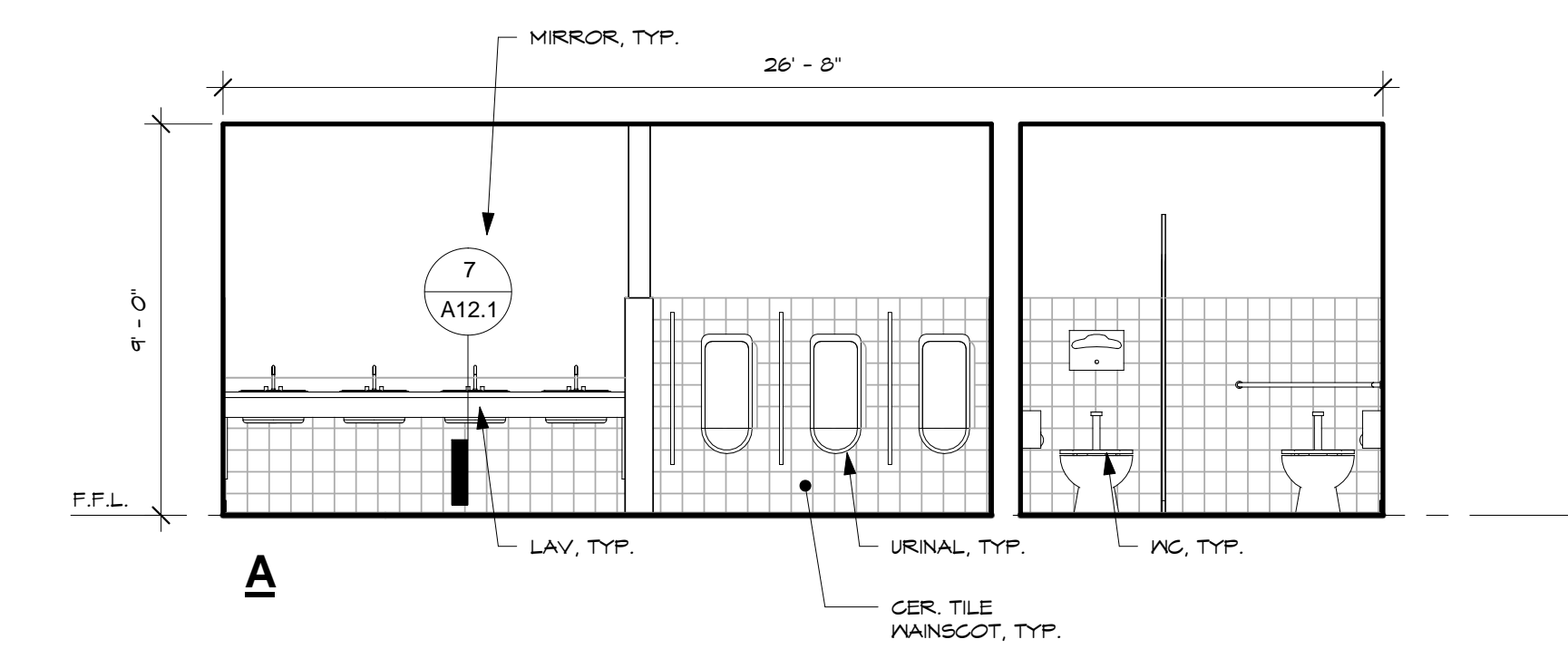
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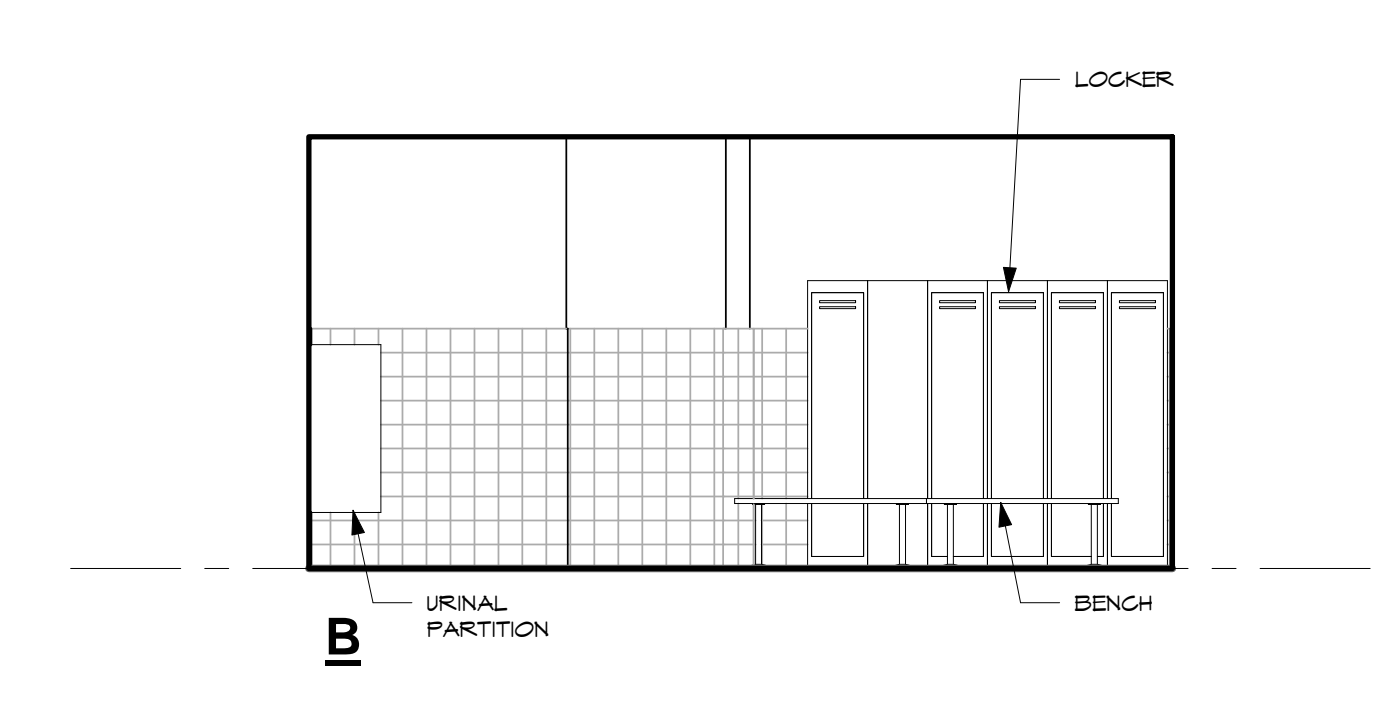
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Sheet No. of



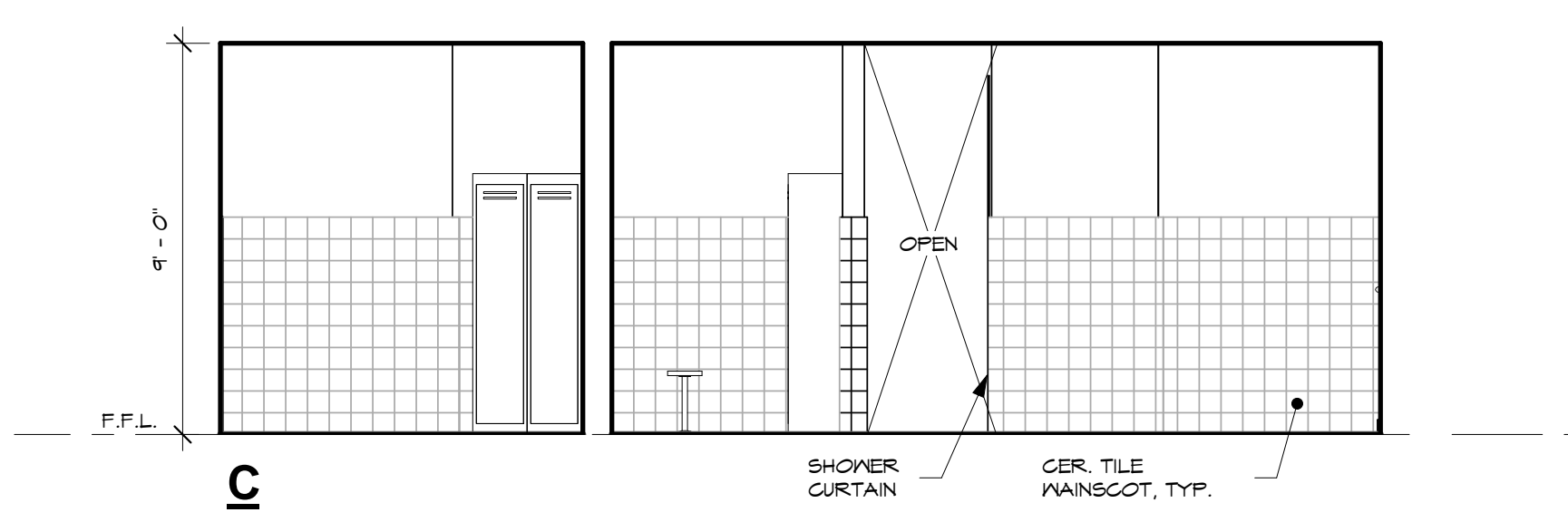
1 ENLARGE PLAN - LOCKER RM. 119 & 120
SCALE: 1/4" = 1'-0"



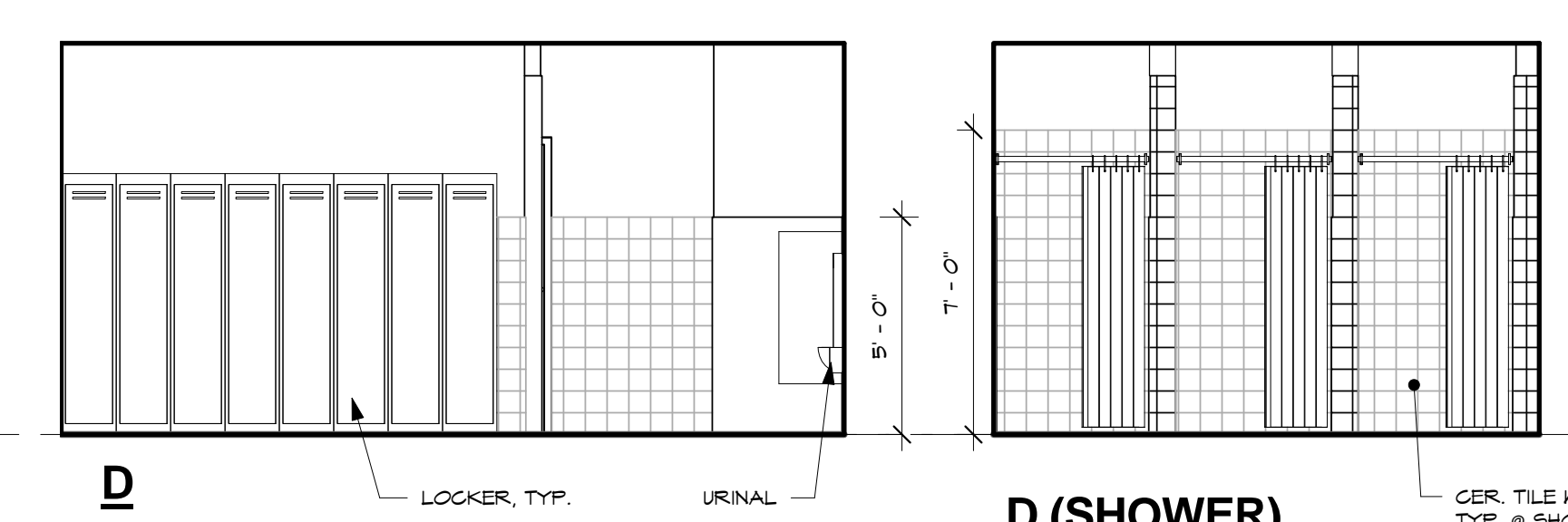
A MIRROR, TYP. 26'-0"
LAV, TYP. URINAL, TYP. CER. TILE WAINSCOT, TYP.



B URINAL PARTITION BENCH LOCKER

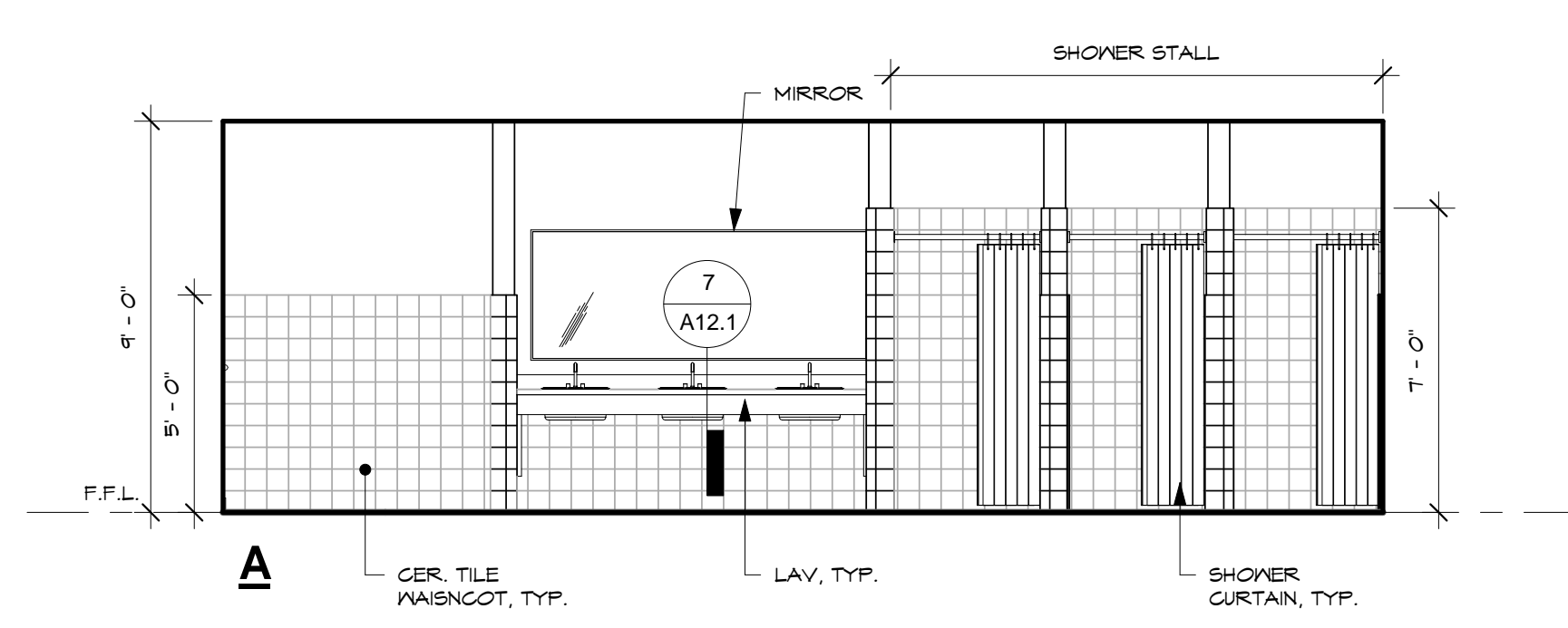


C SHOWER CURTAIN CER. TILE WAINSCOT, TYP.

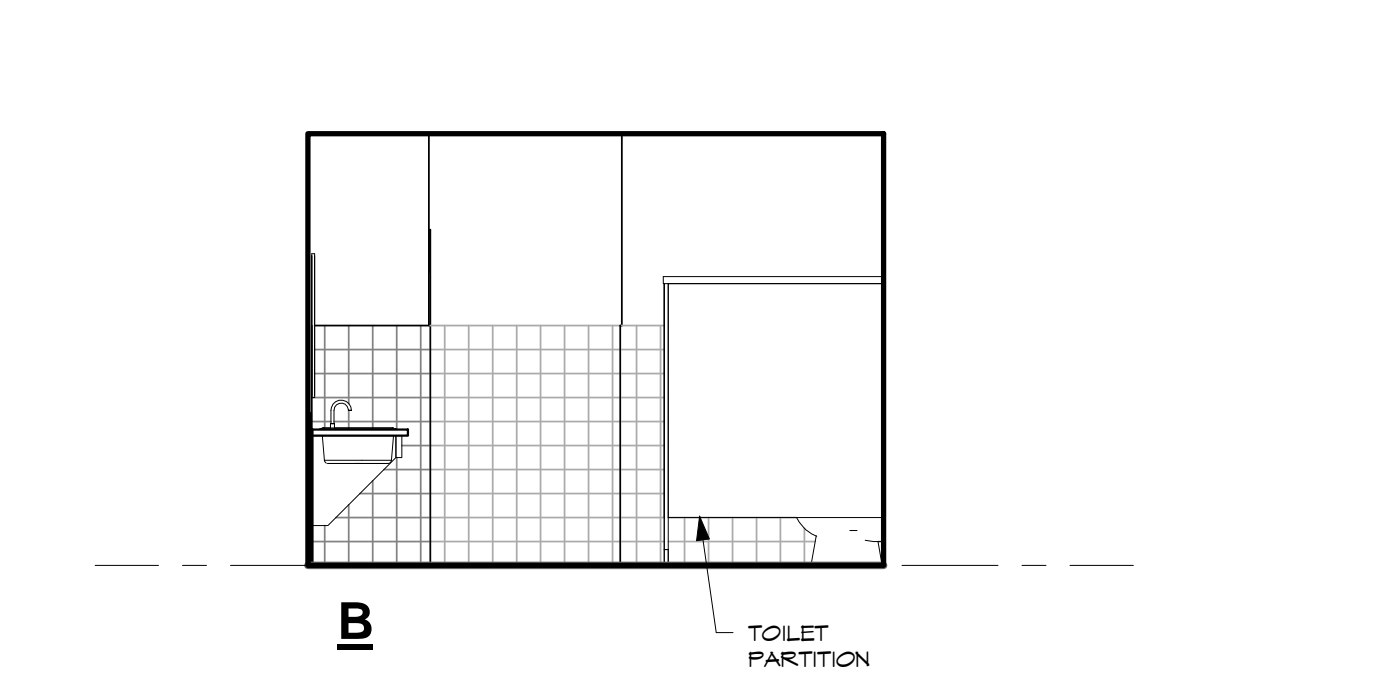


D LOCKER, TYP. URINAL CER. TILE WAINSCOT, TYP. @ SHOWERS

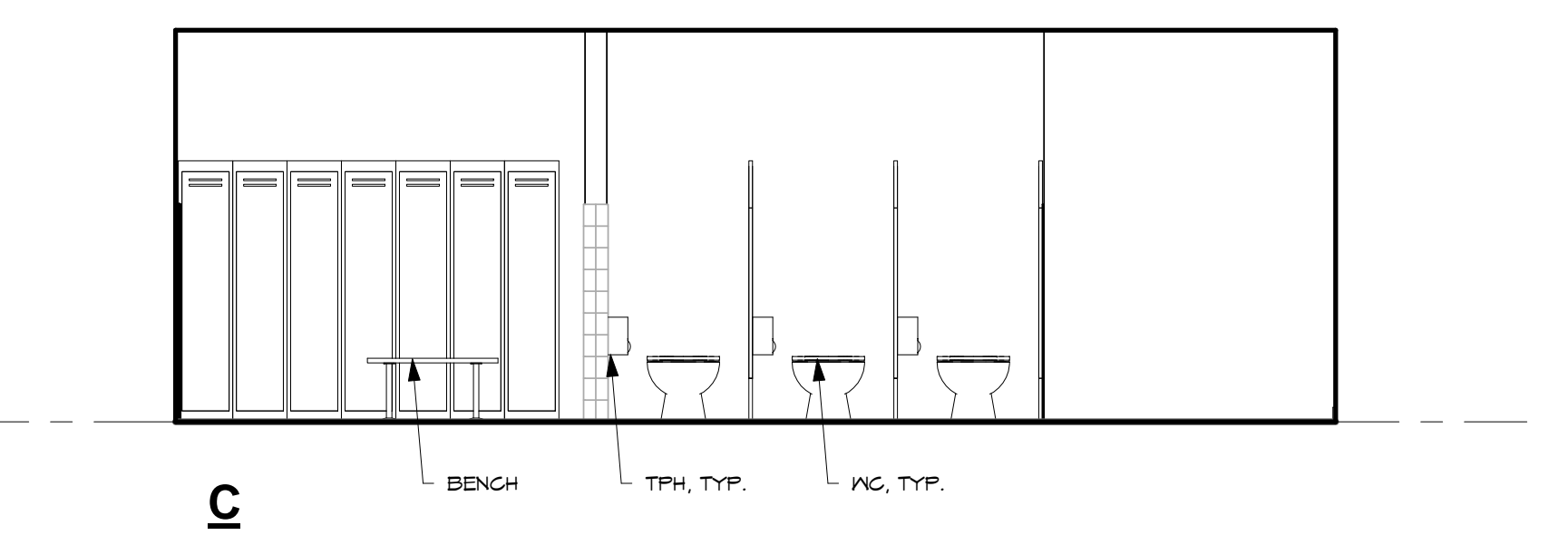
2 LOCKER RM. 119
SCALE: 1/4" = 1'-0"



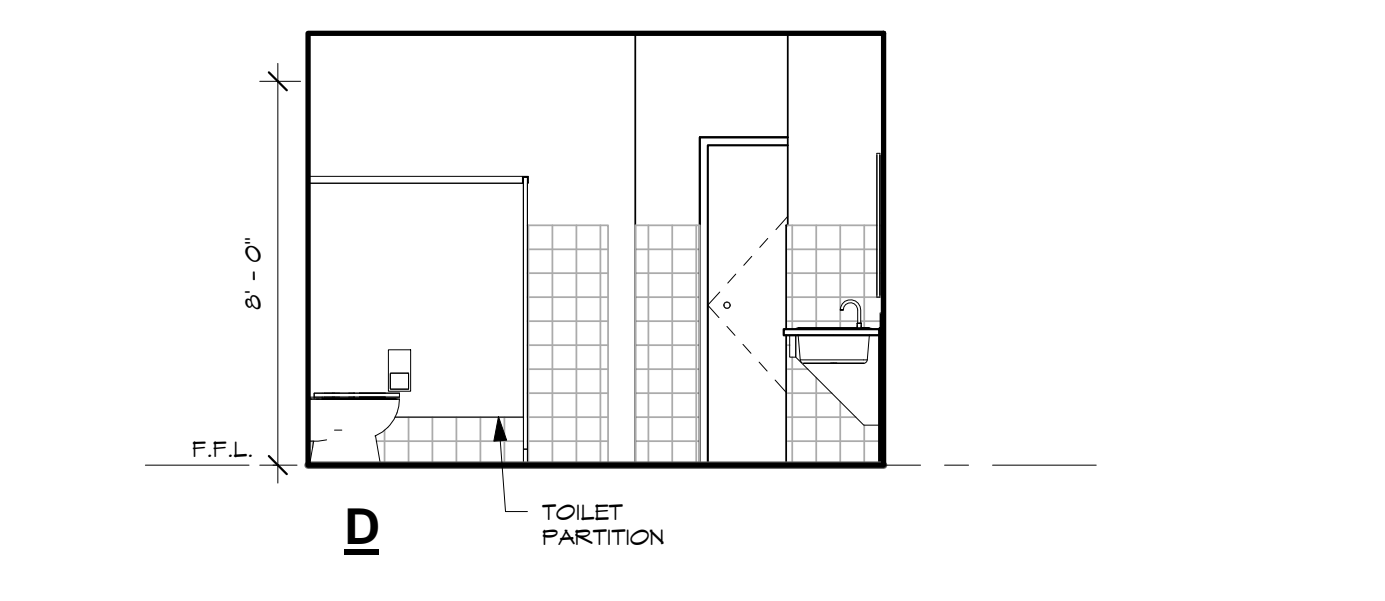
A MIRROR SHOWER STALL CER. TILE WAINSCOT, TYP. LAV, TYP. SHOWER CURTAIN, TYP.



B TOILET PARTITION



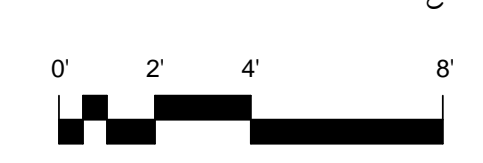
C BENCH TPH, TYP. UIC, TYP.



D TOILET PARTITION

3 LOCKER RM. 120
SCALE: 1/4" = 1'-0"

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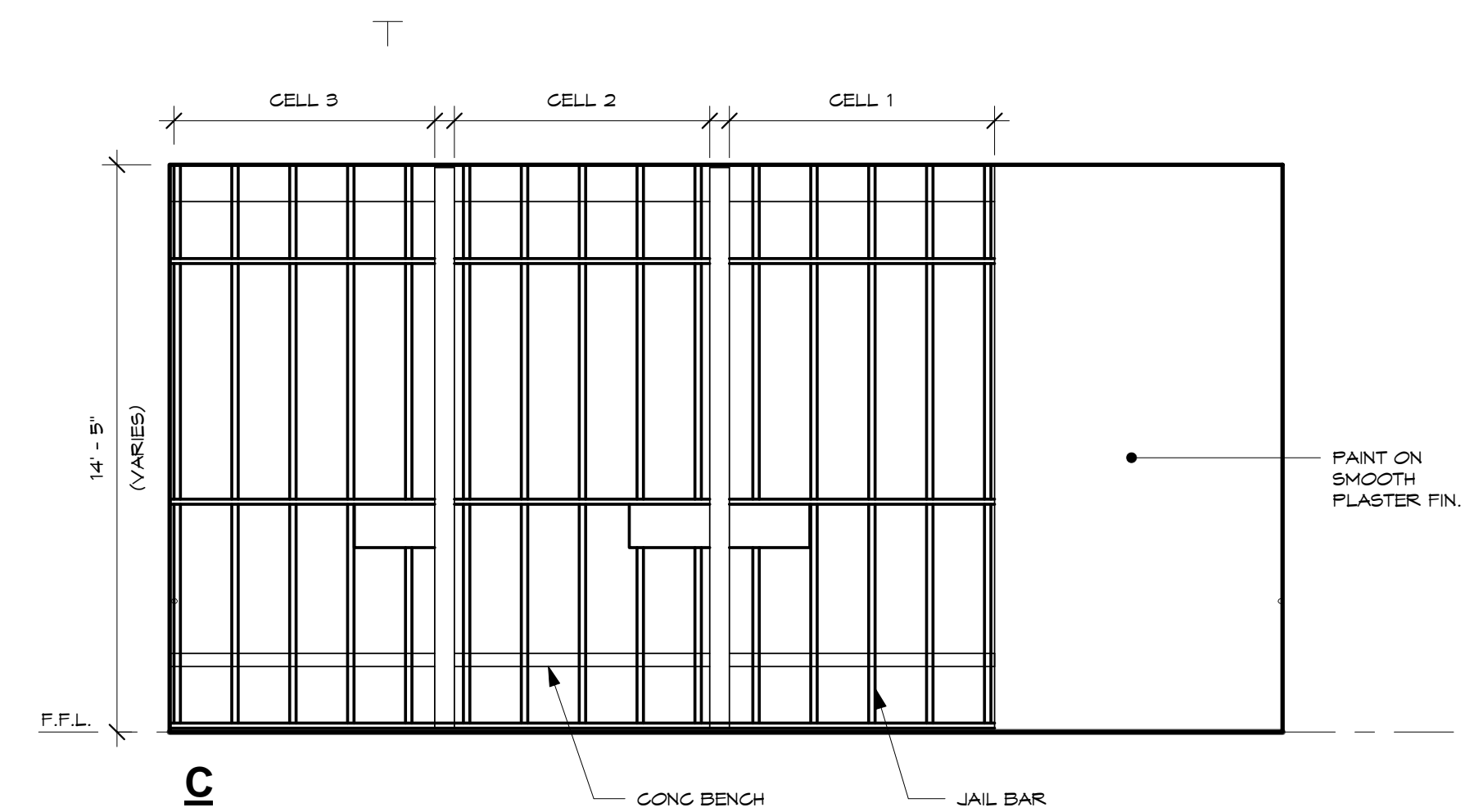
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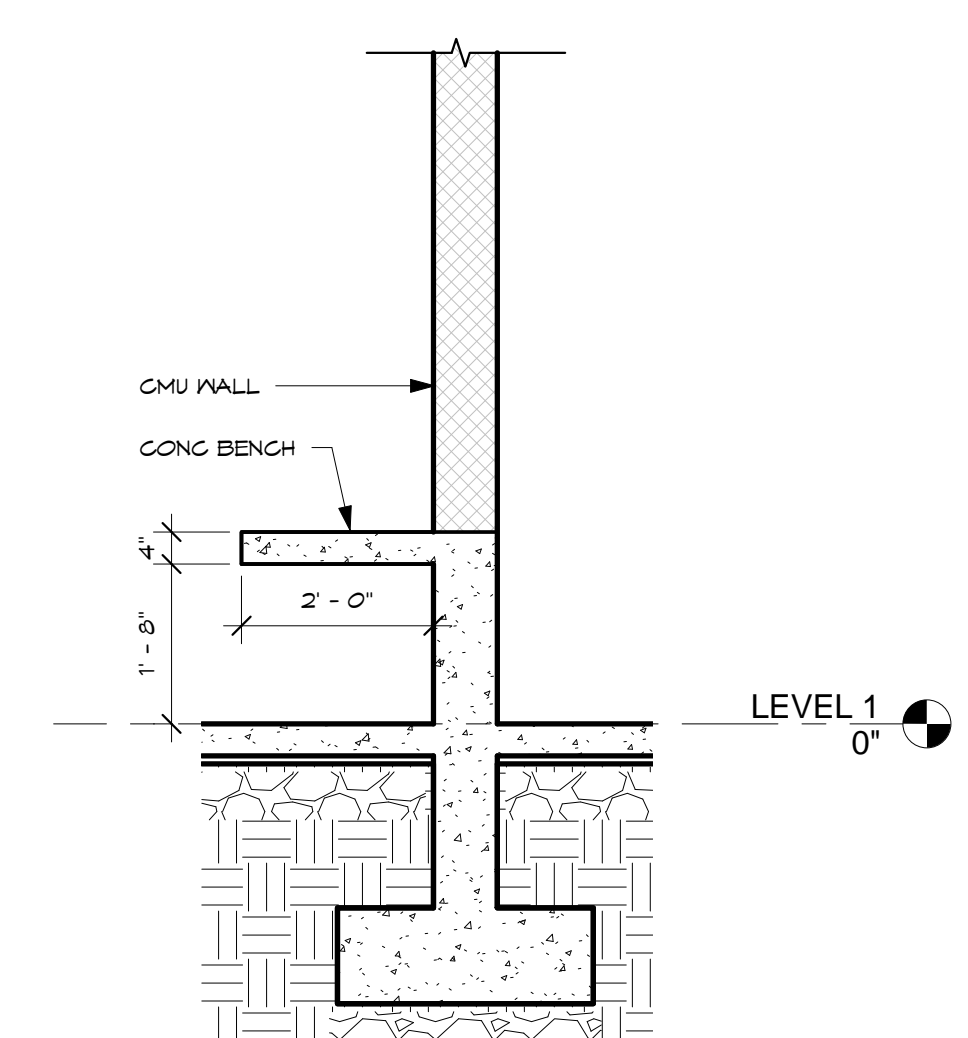
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ADULT HOLDING CELL (JUVENILE CELL SIM.)

SCALE: 1/4" = 1'-0"



DETAIL

SCALE: 1/2" = 1'-0"

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Supv: CTC

Scale: As indicated

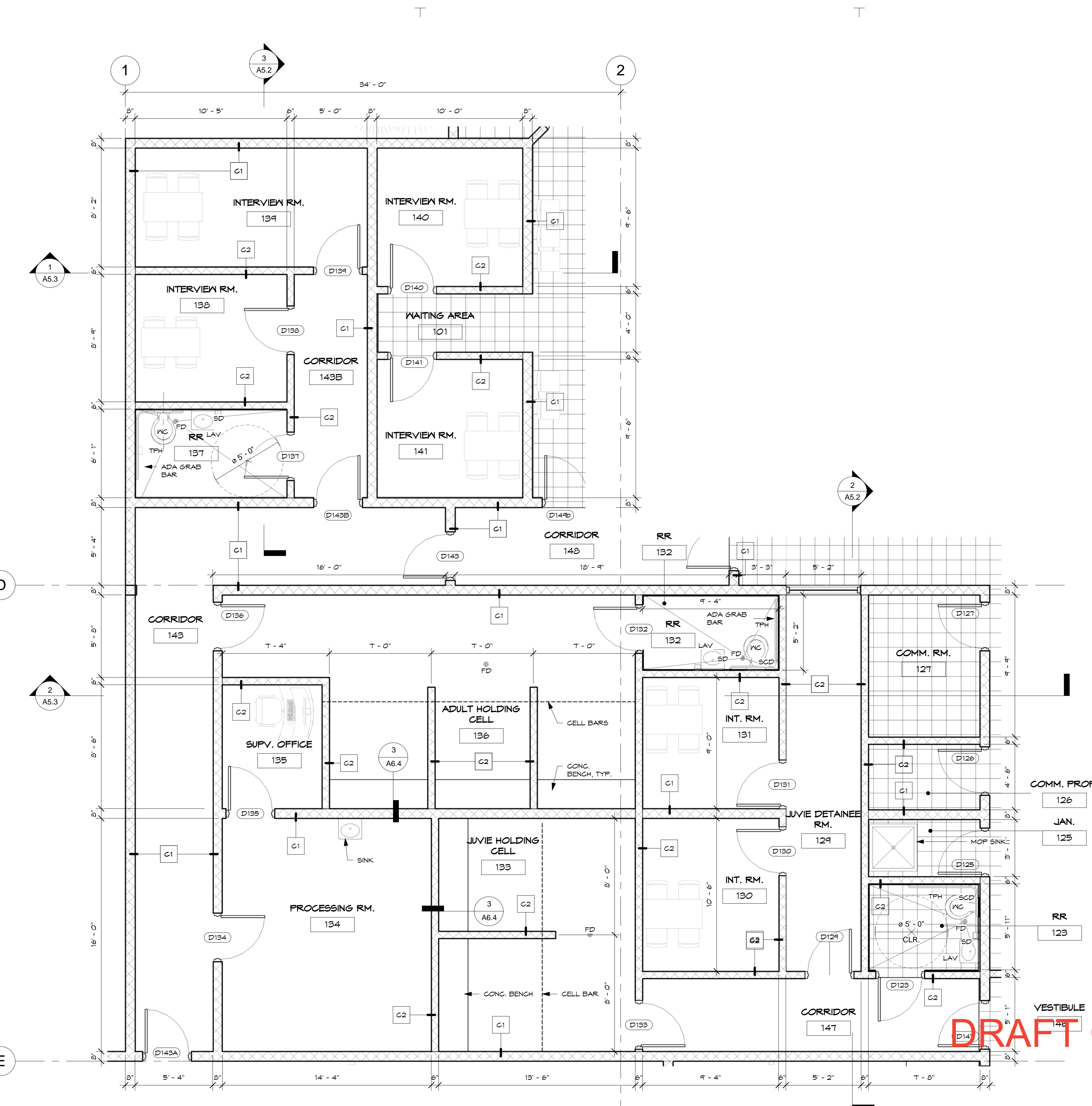
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Drawing No.

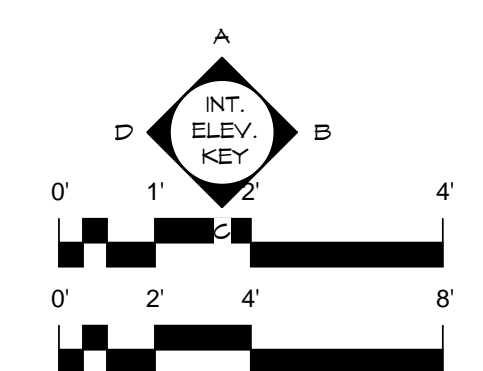
A6.4

Sheet No. of

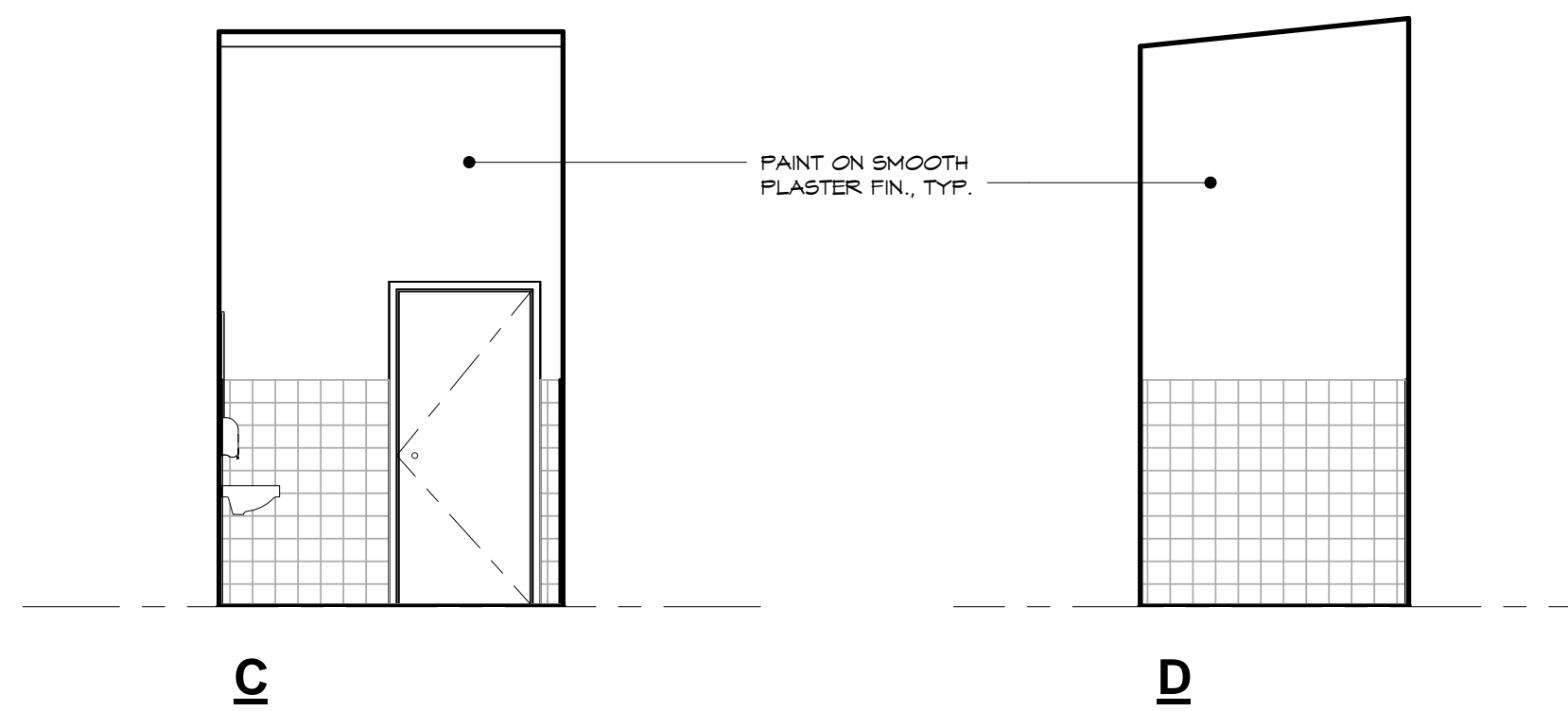
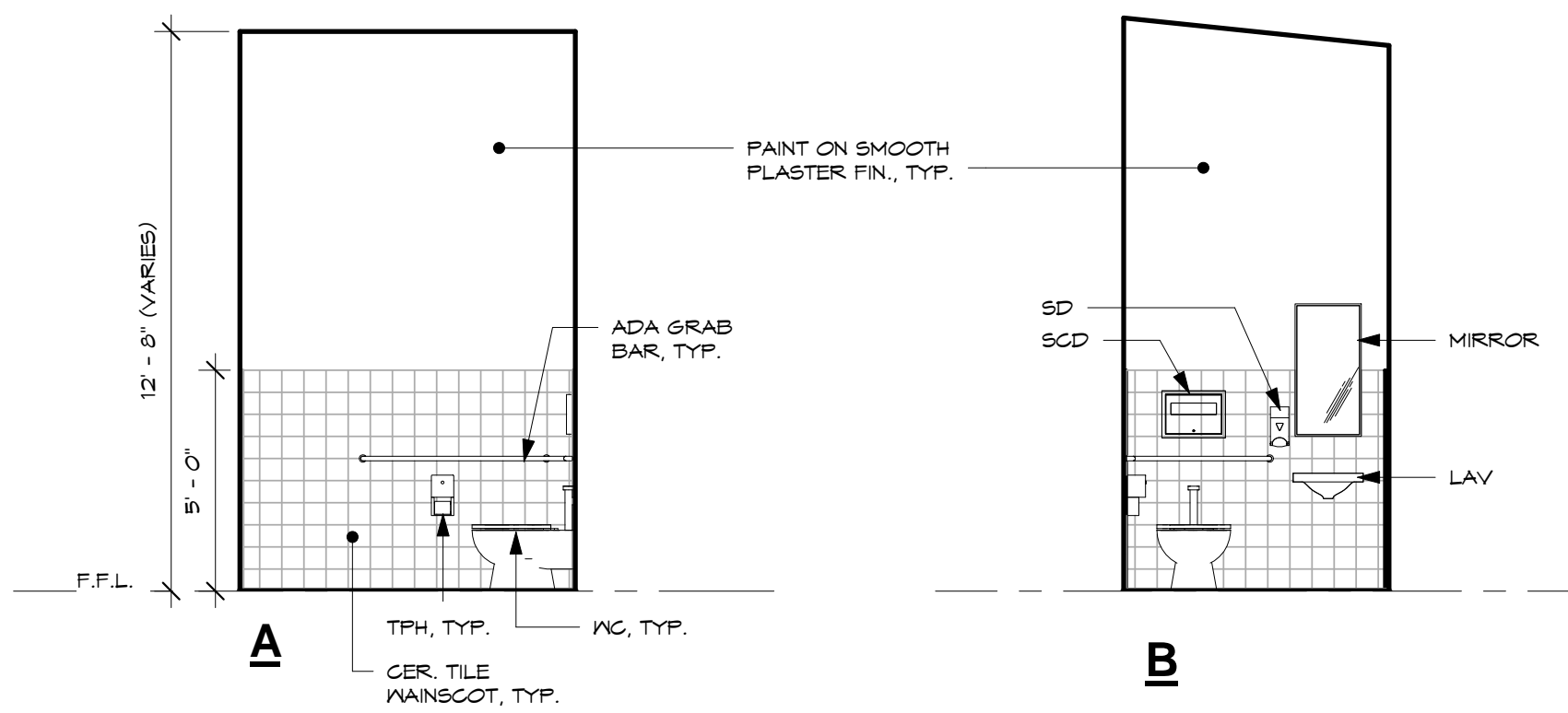


1 ENLARGE PLAN - INTERVIEW ROOM
 SCALE: 1/4" = 1'-0"

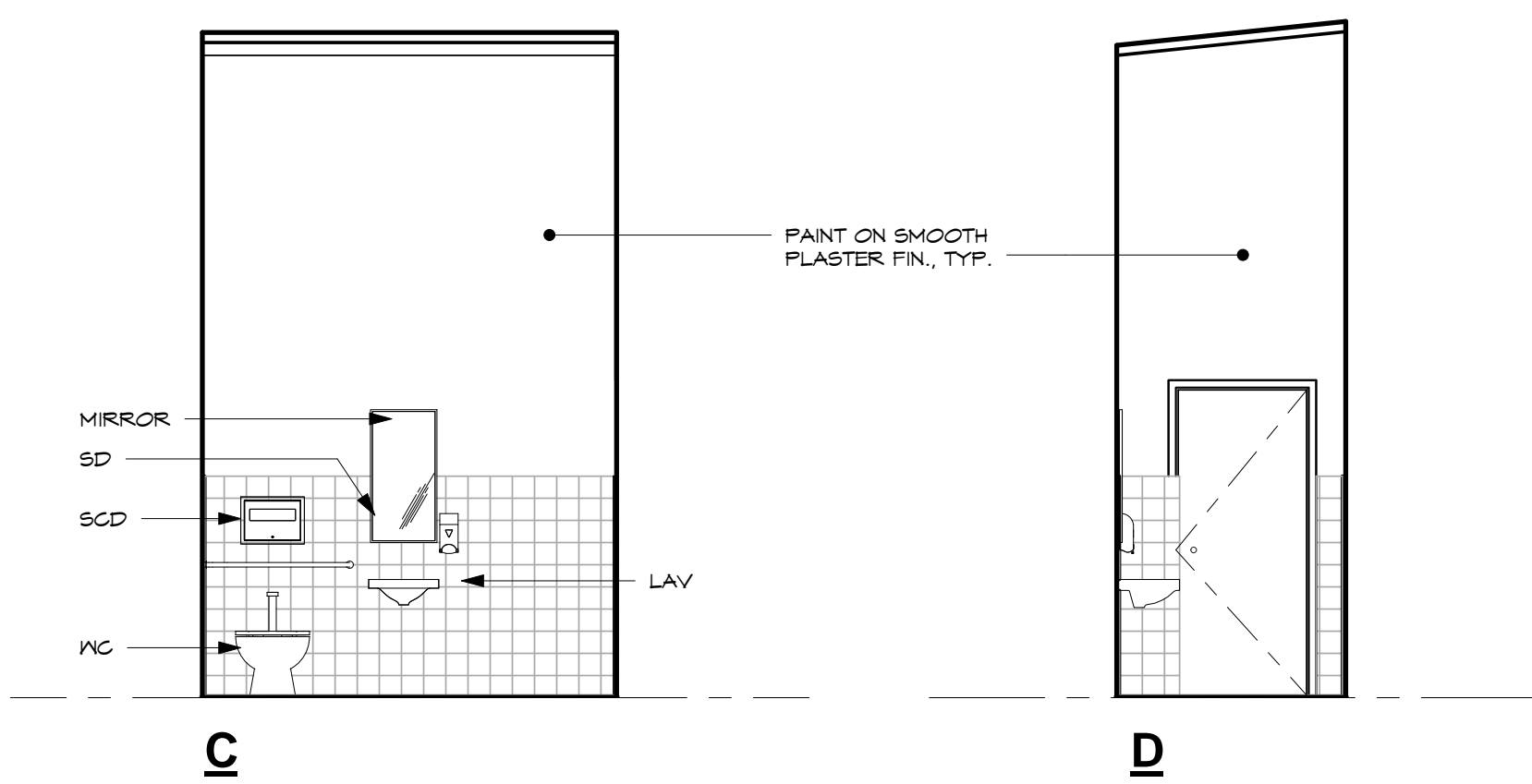
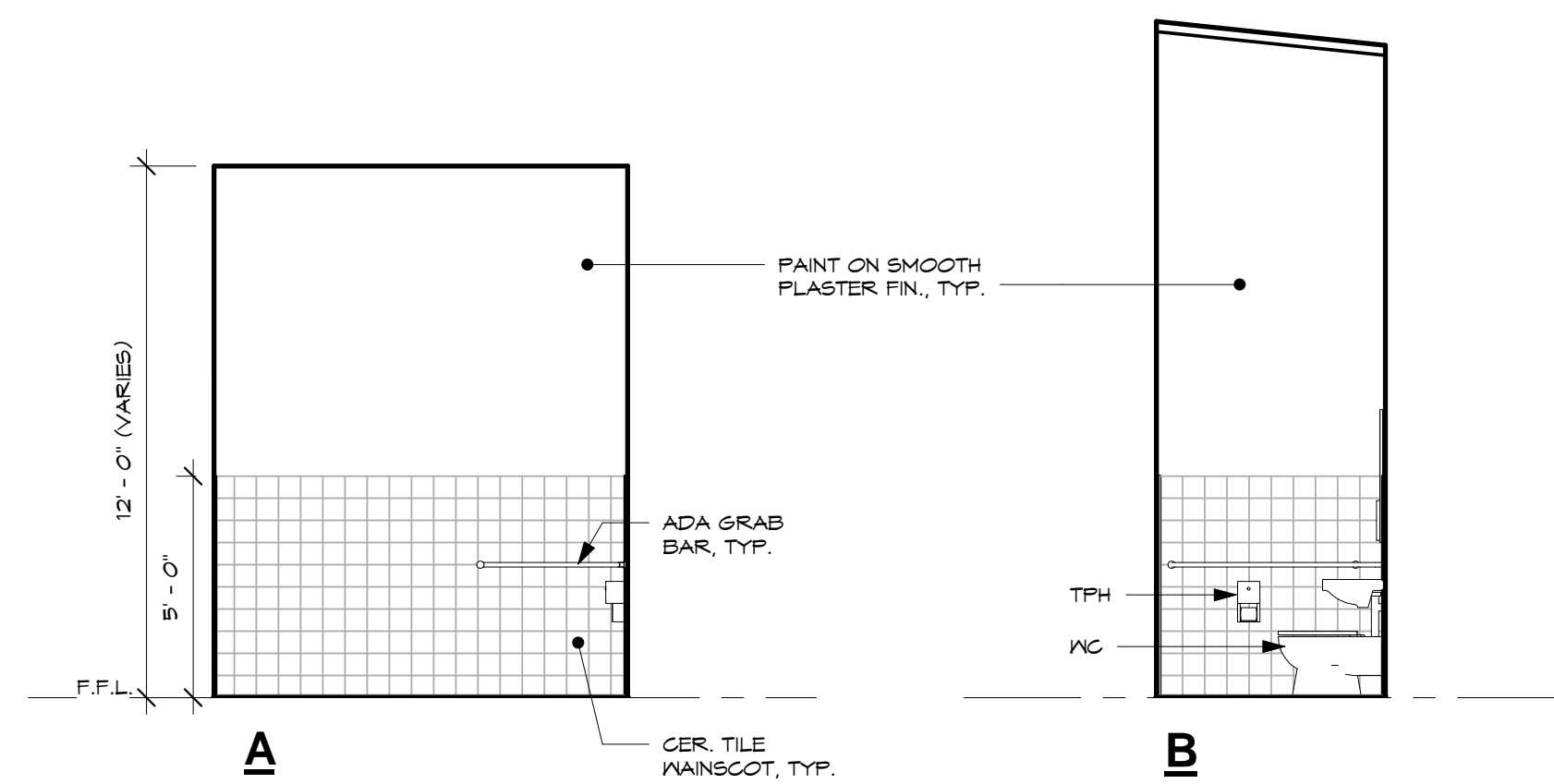
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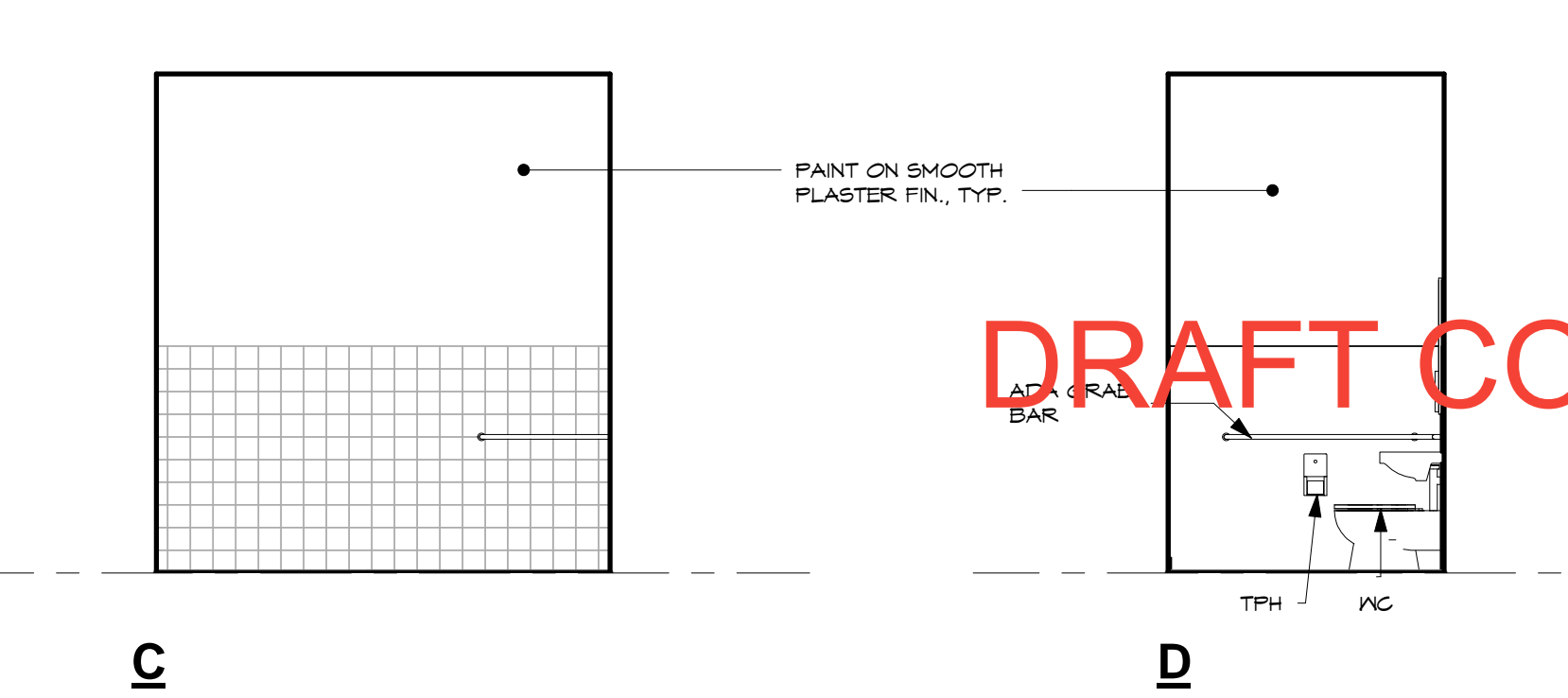
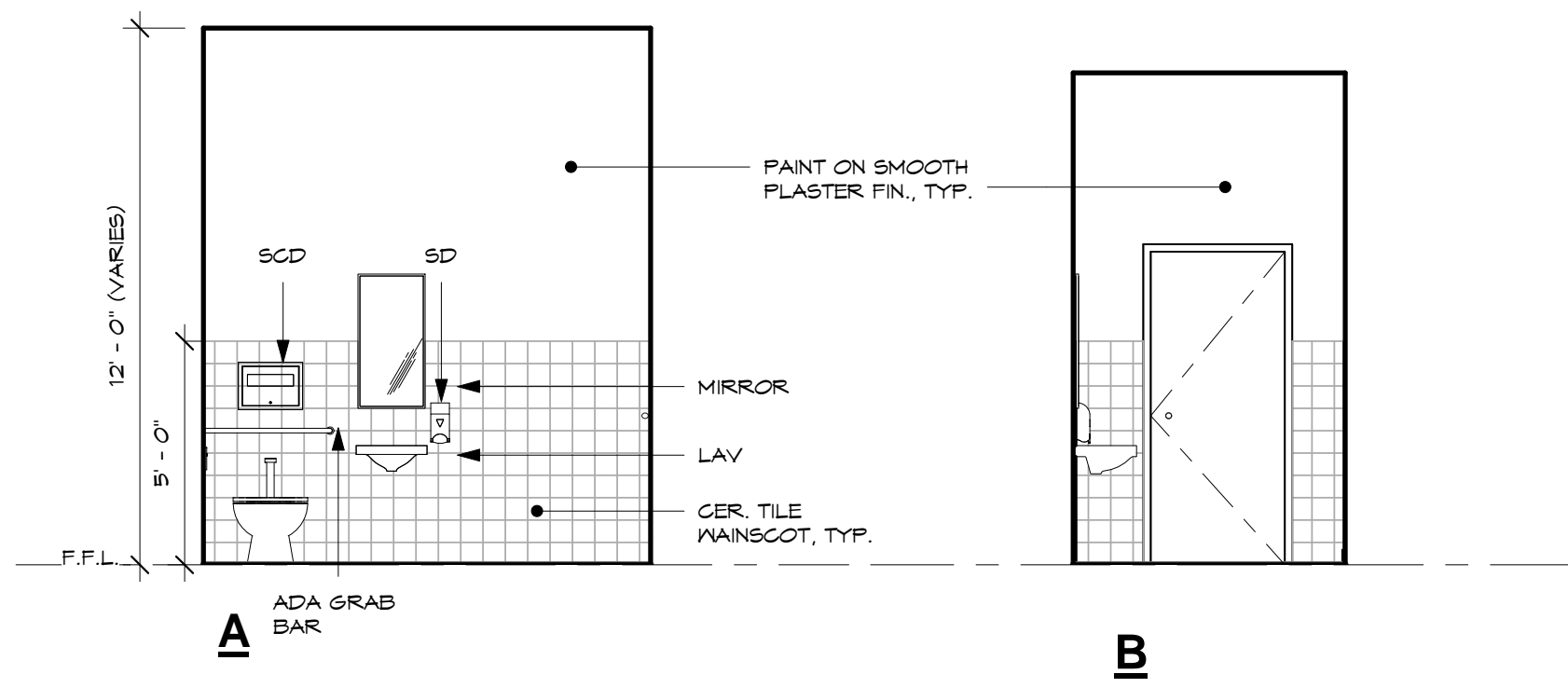
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1 RESTROOM 123
SCALE: 1/4" = 1'-0"

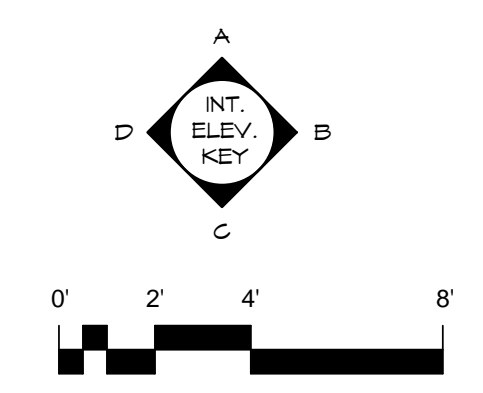


2 RESTROOM 132
SCALE: 1/4" = 1'-0"



3 RESTROOM 137
SCALE: 1/4" = 1'-0"

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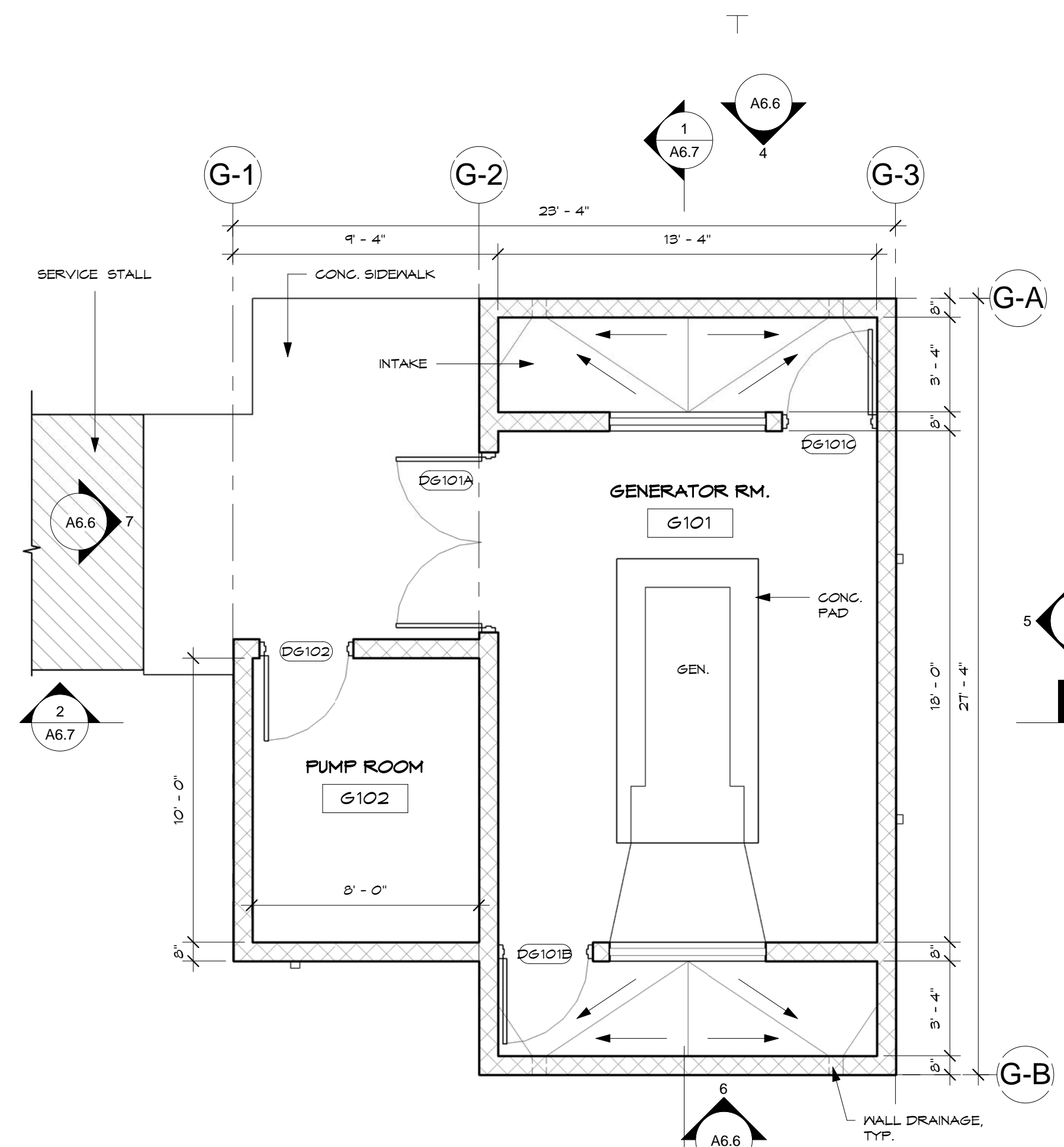
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Title:
INTERIOR ELEVATION

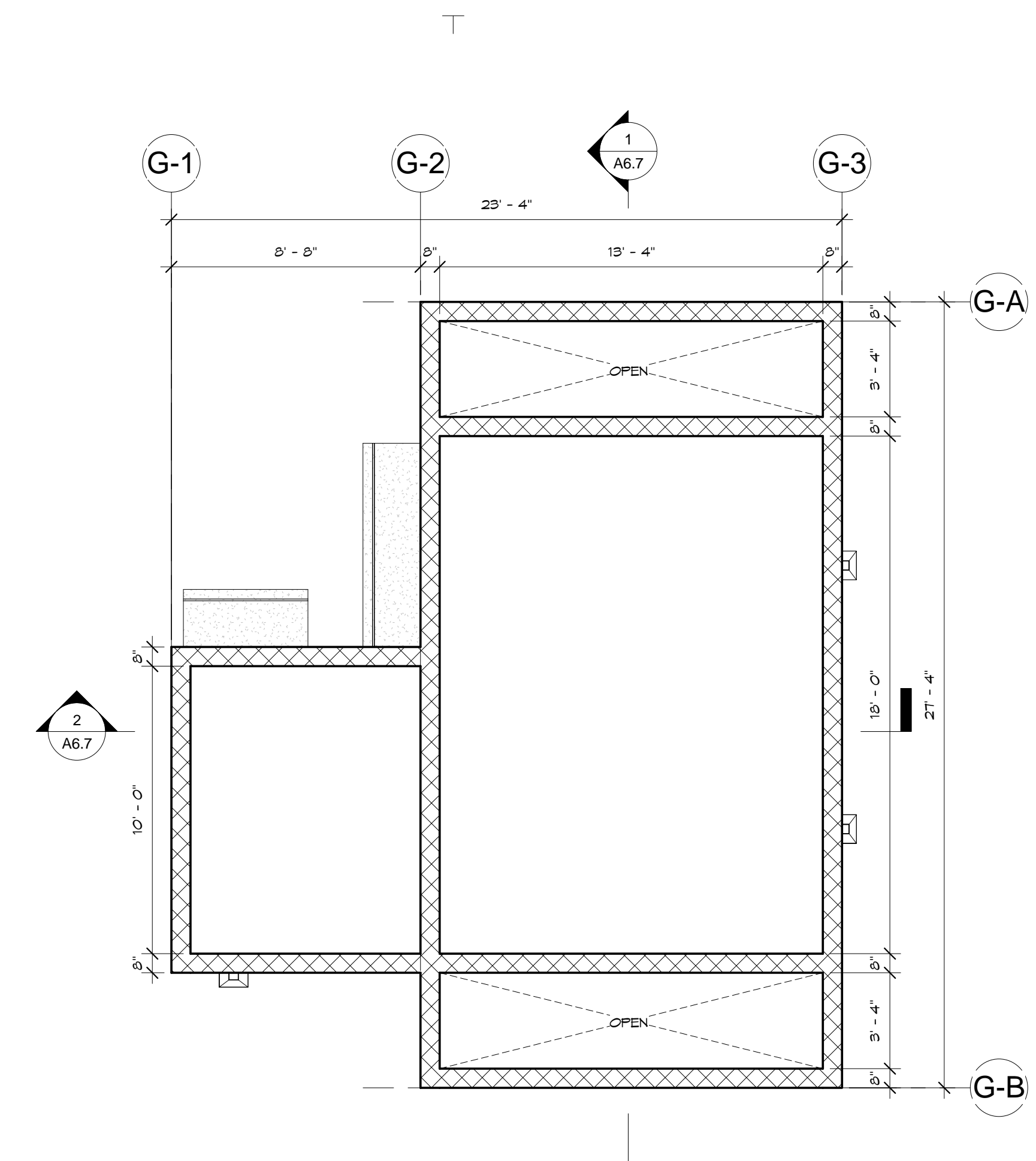
BID DOCUMENTS

Designed: TRMA
Drawn: TRMA
Checked: CTC
Supv: CTC
Scale: 1/4" = 1'-0"
Date: 12/19/16
Project No. File
No. _____
Drawing No.

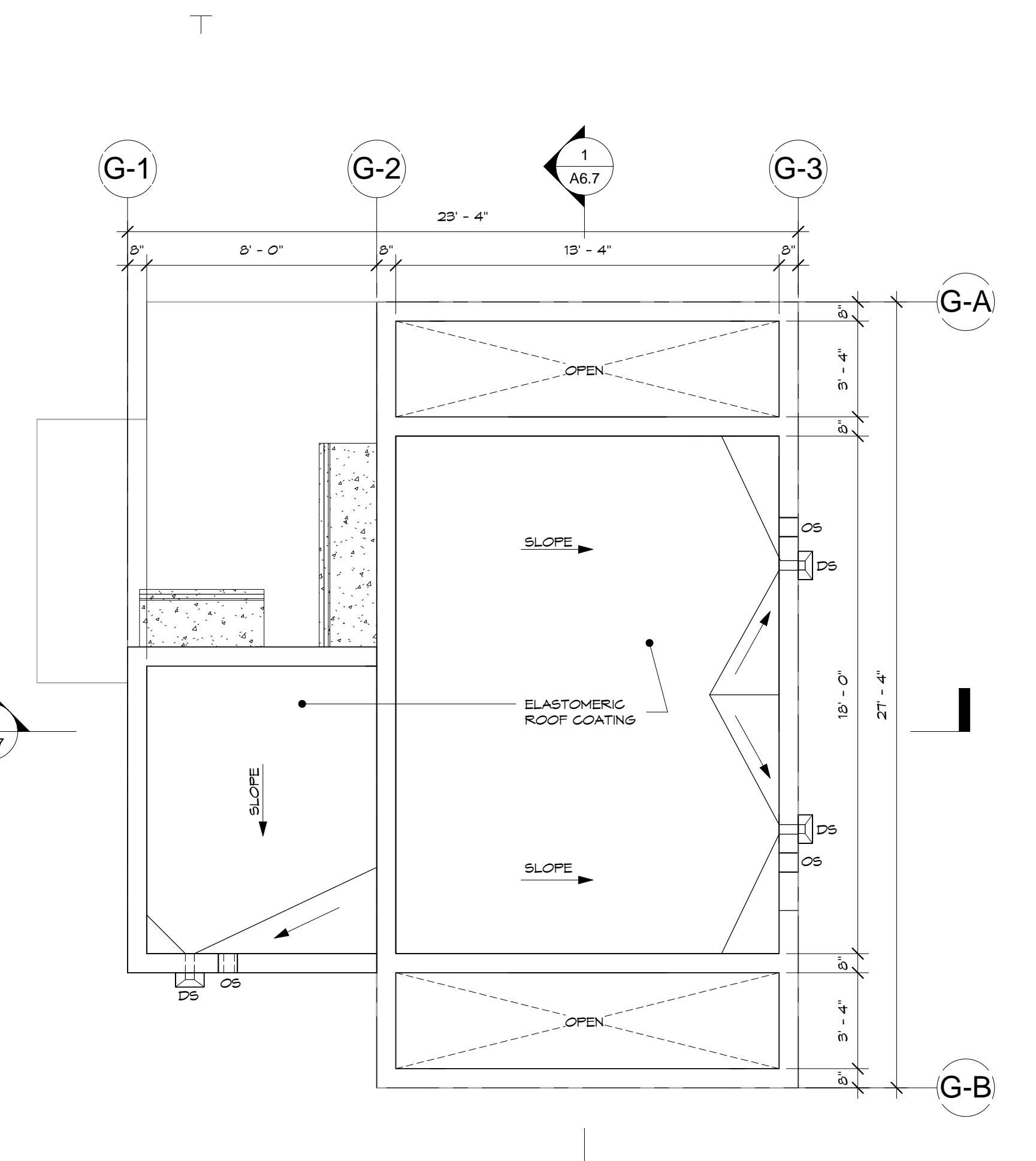
A6.5
Sheet No. _____ of _____



1 GENERATOR BLDG.
SCALE: 1/4" = 1'-0"



2 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



3 ROOF PLAN
SCALE: 1/4" = 1'-0"

A

B

C

D

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REVISIONS		
No.	Description	Date

TRMA
Taniguchi Ruth Makio Architects
100 Cliff Business Center, P.O. Box EA, Aventura, FL 33110
Tel.: (771) 475-8772 • Fax: (771) 472-3381
Architecture
Planning
Interior Design

BID DOCUMENTS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.
DATE: _____

Project:
CENTRAL
POLICE PRECINCT

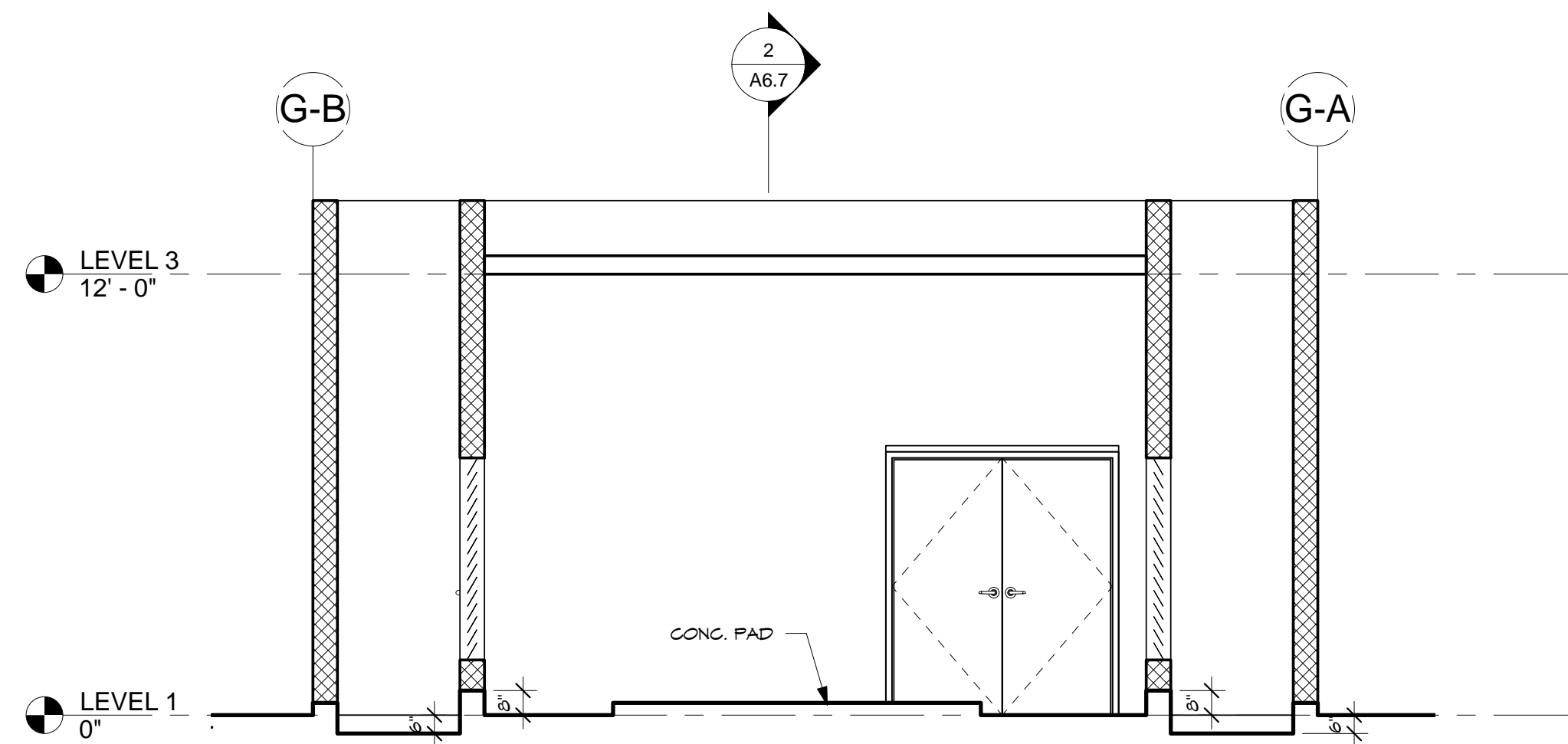
Title:
GENERATOR BLDG. -
DETAIL PLANS AND
ELEVATIONS (ALT. BID
ITEM #7)

BID DOCUMENTS

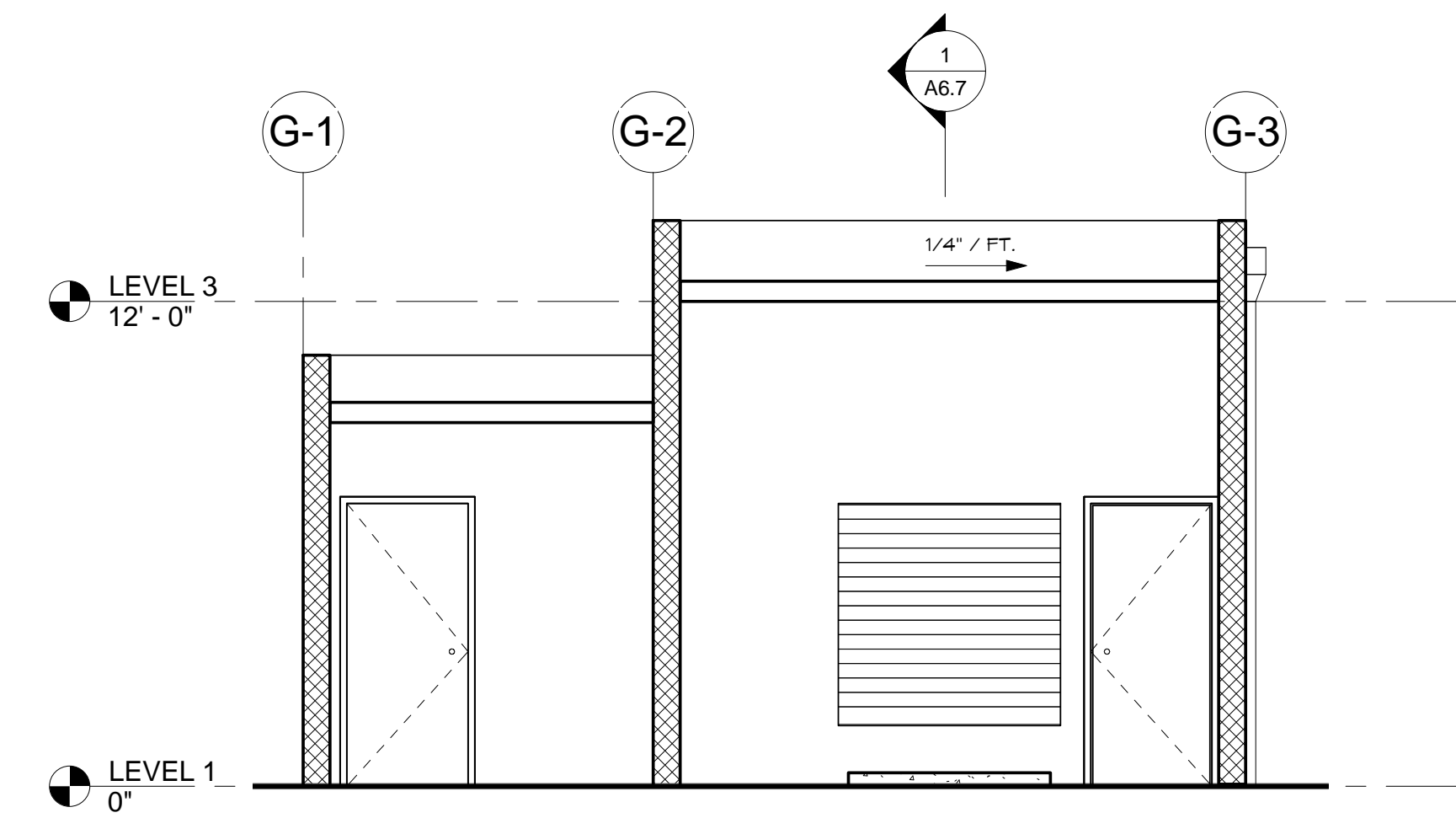
Designed: TRMA
Drawn: TRMA
Checked: CTC
Supv: CTC
Scale: 1/4" = 1'-0"
Date: 12/19/16
Project No. File No.
Drawing No.

A6.6
Sheet No. _____ of _____

IF SHEET IS LESS THAN 24" X 36"
REDUCED PRINT - USE GRAPHIC SCALES



1 SECTION
SCALE: 1/4" = 1'-0"



2 SECTION
SCALE: 1/4" = 1'-0"

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REVISIONS		
No.	Description	Date

TRMA
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Architecture
Planning
Interior Design

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DATE: _____

Project:
CENTRAL
POLICE PRECINCT

Title:
GENERATOR BLDG.-
SECTION (ALT. BID
ITEM #7)

BID DOCUMENTS

Designed: TRMA
Drawn: TRMA
Checked: CTC
Supv: CTC
Scale: 1/4" = 1'-0"
Date: 12/19/16
Project No. File
No. _____
Drawing No.

A6.7
Sheet No. _____ of _____

ROOM FINISH SCHEDULE																			
NO.	LOCATION	FLOOR		WAINSCOT		WALLS								CEILING			CASEWORK		REMARKS
		FIN	BASE	FIN	HT	A		B		C		D		MATL	FIN	HT	BASE	TOP	
						MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN						
100	VESTIBULE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
101	WAITING AREA	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
102	DESK WATCH	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
103	MECH.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
104	VAULT	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
105	VAULT																		
105	ELEC. RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
106	RR	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
107	RR	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
108	DEBRIEFING	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
109	CONFERENCE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
110	SUPV. OFFICE	F1	B1			W1	PT.	GWB	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
111	COMMANDER OFFICE	F1	B1			W1	PT.	W1	PT.	W1	PT.	GWB	PT.	C1	-	9'-0"			
112	OFFICE	F1	B1			W1	PT.	W1	PT.	W1	PT.	GWB	PT.	C1	-	9'-0"			
113	OFFICE	F1	B1			GWB	PT.	GWB	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
114	OFFICE	F1	B1			W1	PT.	W1	PT.	GWB	PT.	GWB	PT.	C1	-	9'-0"			
115	RECORDS	F1	B1			GWB	PT.	W1	PT.	W1	PT.	W1	PT.	C1	-	9'-0"			
116	ADMIN.	F1	B1			W1	PT.	W1	PT.	W1	PT.	GWB	PT.	C1	-	9'-0"			
117	LOUNGE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
118	INFO CENTER	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
119	LOCKER	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C3	-	9'-0"			
120	LOCKER	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C3	-	9'-0"			
121	FITNESS	F3	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
122	MOUNTAIN BIKE STORAGE	F3	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
123	RR	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
124	STORAGE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
125	JAN.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
126	COMM. PROP.	F1	B2			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
127	COMM. RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
128	CORRIDOR	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
129	JUVIE DETAINEE RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
130	INT. RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
131	INT. RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
132	RR	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
133	JUVIE HOLDING CELL	F3	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
134	PROCESSING RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
135	SUPV. OFFICE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
136	ADULT HOLDING CELL	F3	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
137	RR	F2	B2		5'-0"	W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
138	INTERVIEW RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
139	INTERVIEW RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
140	INTERVIEW RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
141	INTERVIEW RM.	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
142	GARAGE/GALLY PORT	F3	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
143	CORRIDOR	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
143B	CORRIDOR	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
144	VESTIBULE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
145	VESTIBULE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
146	VESTIBULE	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
147	CORRIDOR	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
148	CORRIDOR	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C4	PT				
149	LAUNDRY	F1	B1			W1	PT.	W1	PT.	W1	PT.	W1	PT.	C2	-	9'-0"			
150	OFFICE	F3	B1			W1	PT.	GWB	PT.	W1	PT.	GWB	PT.	C2	-	9'-0"			

ROOM FINISH LEGEND	
ABBREVIATIONS	DESCRIPTION
ABBREVIATION	
BOS	BOTTOM OF STRUCTURE
CONC	CONCRETE
CT	CERAMIC TILE
GWB	GYPSUM BOARD
PT	PAINT
PL	PLASTIC LAMINATE
WOD	WOOD
WR	WATER RESISTANT GYPSUM BOARD
FLOOR	
F1	VINYL COMPOSITION TILE
F2	CERAMIC TILE
F3	SEALED CONCRETE
BASE	
B1	4" RUBBER BASE
B2	CERAMIC BASE
WALL MATERIAL	
W1	CONCRETE MASONRY UNIT (CMU)
W2	CONCRETE
WALL FINISH	
PT	PAINT
GER	CERAMIC TILE
CEILING MATERIAL	
C1	ACOUSTICAL TILE (ACT-1)
C2	GYPSUM BOARD
C3	WATER RESISTANT GYPSUM BOARD
C4	EXPOSED INSULATION
C5	SEALED CONCRETE

REVISIONS		
No.	Description	Date

TRMA
 Taniguchi Ruth Makio Architects
 1100 Cliff Business Center, P.O. Box EA, Agaña, GU 96910
 Tel.: (787) 475-8772 • Fax: (787) 472-3381

Architecture
 Planning
 Interior Design

BID DOCUMENTS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.
 DATE: _____

Project:
 CENTRAL
 POLICE PRECINCT

Title:
 ROOM FINISH
 SCHEDULE

BID DOCUMENTS

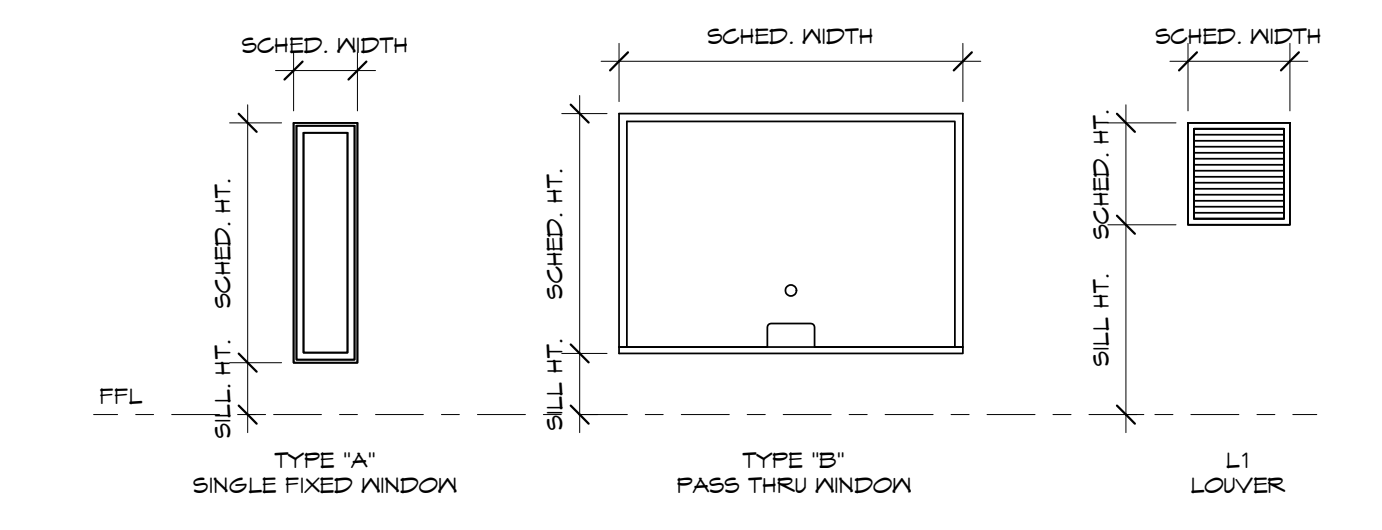
Designed: TRMA
 Drawn: TRMA
 Checked: CTC
 Supv: CTC
 Scale:
 Date: 12/19/16
 Project No. File
 No.
 Drawing No.

A8.1
 Sheet No. _____ of _____

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DOOR SCHEDULE																
NO.	LOCATION	DOOR			FRAME			GLASS TYPE	FIRE RATED	DETAIL			HW SET	REMARKS		
		W	H	THK	TYPE	MAT'L	FIN			TYPE	MAT'L	FIN			HEAD	JAMB
D100	VESTIBULE	6'-0"	7'-0"	1 3/4"	C	ALUM	ANOD					3/A10.1	3/A10.1	3/A10.1		
D101	WAITING AREA	6'-0"	7'-0"	1 3/4"	C	ALUM	ANOD					3/A10.1	3/A10.1	3/A10.1		
D102	DESK WATCH	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D103	MECH.	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D104	VAULT	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D105	ELEC. RM.	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D106	RR	3'-0"	6'-8"	1 3/4"	A	SCND	PT					4/A10.1	4/A10.1	6/A10.1		
D107	RR	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D108	DEBRIEFING	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D109	CONFERENCE	3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D109A	CONFERENCE	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT					4/A10.1	4/A10.1	6/A10.1		
D110	SUPV. OFFICE	3'-0"	6'-8"	1 3/4"	A	SCND	PT					4/A10.1	4/A10.1	6/A10.1		
D111	COMMANDER OFFICE	3'-0"	6'-8"	1 3/4"	A	SCND	PT					4/A10.1	4/A10.1	6/A10.1		
D112	OFFICE	3'-0"	6'-8"	1 3/4"	A	SCND	PT					5/A10.1	5/A10.1	6/A10.1		
D113	OFFICE	3'-0"	6'-8"	1 3/4"	A	SCND	PT					5/A10.1	5/A10.1	6/A10.1		
D114	OFFICE	3'-0"	6'-8"	1 3/4"	A	SCND	PT					5/A10.1	5/A10.1	6/A10.1		
D115	RECORDS	3'-0"	6'-8"	1 3/4"	A	SCND	PT					5/A10.1	5/A10.1	6/A10.1		
D116	ADMIN.	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D117	LOUNGE	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D119	LOCKER	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D120	LOCKER	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D121	FITNESS	3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1		
D121A	FITNESS	3'-0"	6'-8"	1 3/4"	A	SCND	PT					4/A10.1	4/A10.1	6/A10.1		
D122	MOUNTAIN BIKE STORAGE	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D123	RR	3'-0"	7'-0"	1 3/4"	A	HM	PT					4/A10.1	4/A10.1	6/A10.1		
D124	STORAGE	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D125	JAN.	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D126	COMM. PROP.	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D127	COMM. RM.	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D128	CORRIDOR	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D128A	CORRIDOR	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D129	JUVIE DETAINEE RM.	3'-0"	7'-0"	1 3/4"	B	HM-V	PT		LAM			4/A10.1	4/A10.1	6/A10.1		
D130	INT. RM.	3'-0"	7'-0"	1 3/4"	B	HM-V	PT		LAM			4/A10.1	4/A10.1	6/A10.1		
D131	INT. RM.	3'-0"	7'-0"	1 3/4"	B	HM-V	PT		LAM			4/A10.1	4/A10.1	6/A10.1		
D132	RR	3'-0"	7'-0"	1 3/4"	A	HM	PT					4/A10.1	4/A10.1	6/A10.1		
D133	JUVIE HOLDING CELL	3'-0"	7'-0"	1 3/4"	B	HM-V	PT		LAM			4/A10.1	4/A10.1	6/A10.1		
D134	PROCESSING RM.	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D135	SUPV. OFFICE	3'-0"	7'-0"	1 3/4"	A	HM	PT					4/A10.1	4/A10.1	6/A10.1		
D136	ADULT HOLDING CELL	3'-0"	7'-0"	1 3/4"	A	HM	PT					4/A10.1	4/A10.1	6/A10.1		
D137	RR	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D138	INTERVIEW RM.	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D139	INTERVIEW RM.	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D140	INTERVIEW RM.	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT		LAM			4/A10.1	4/A10.1	6/A10.1		
D141	INTERVIEW RM.	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT		LAM			4/A10.1	4/A10.1	6/A10.1		
D142	GARAGE/SALLY PORT	8'-0"	9'-0"	2"	D							7/A10.1	8/A10.1	7/A10.1		
D142A	GARAGE/SALLY PORT	8'-0"	9'-0"	2"	D							7/A10.1	8/A10.1	7/A10.1		
D143	CORRIDOR	3'-0"	7'-0"	1 3/4"	A	HM	PT		90 MIN			4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D143A	CORRIDOR	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D143B	CORRIDOR	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D144	VESTIBULE	3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1		
D144A	VESTIBULE	3'-0"	7'-0"	1 3/4"	A	HM	PT					4/A10.1	4/A10.1	6/A10.1		
D145	VESTIBULE	3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D145A	VESTIBULE	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D146	VESTIBULE	3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D147	CORRIDOR	3'-0"	7'-0"	1 3/4"	A	HM	PT		90 MIN			4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D149	LAUNDRY	3'-0"	6'-8"	1 3/4"	A	SCND	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1		
D149B	WAITING AREA	3'-0"	7'-0"	1 3/4"	A	HM	PT		20 MIN			4/A10.1	4/A10.1	6/A10.1	MECHANICAL CIPHER LOCK	
D150	OFFICE	3'-0"	6'-8"	1 3/4"	B	SCND-V	PT		LAM			5/A10.1	5/A10.1	6/A10.1		
D6101A		6'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1		
D6101B		3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1		
D6101C		3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1		
D6102	PUMP ROOM	3'-0"	7'-0"	1 3/4"	A	ALUM	ANOD					4/A10.1	4/A10.1	6/A10.1		

WINDOW SCHEDULE													
NO	SIZE		TYPE	FRAME		GLASS TYPE	SILL HT.	DETAILS (A10.2)			FIRE RATED	TYPHOON SHUTTER	REMARKS
	W	H		MAT'L	FIN			HEAD	JAMB	SILL			
W1	7'-2"	5'-0"	B	ALUM.	ANOD	LAM	3'-0"	1	1	2			
W2	6'-0"	5'-0"	A	ALUM.	ANOD	LAM	3'-0"	1	1	2			
W3	4'-8"	5'-0"	A	ALUM.	ANOD	LAM	3'-0"	1	1	2			
W4	1'-4"	5'-0"	A	ALUM.	ANOD	LAM	2'-8"	1	1	2			
W5	2'-0"	2'-0"	A	ALUM.	ANOD	LAM	5'-2"	1	1	2			
L1	5'-6"	5'-6"	A	ALUM.	ANOD	LAM	1'-6"	3	3	3			LOUVER



WINDOW TYPES

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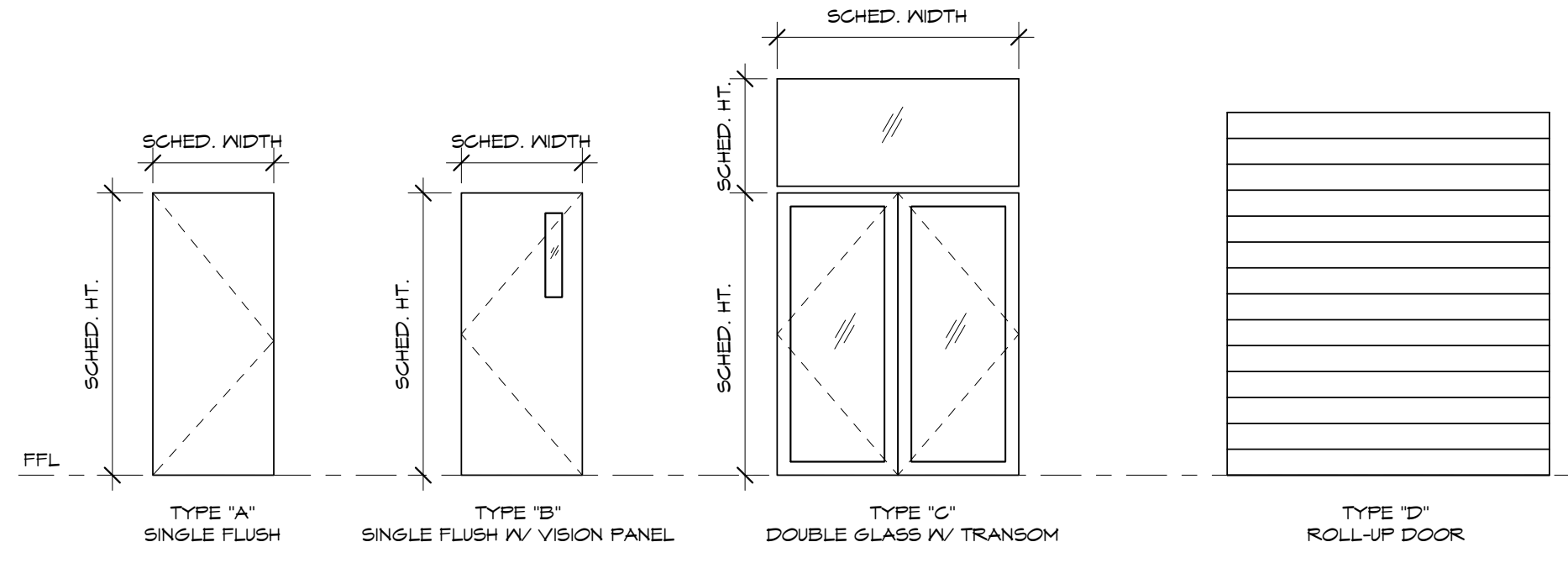
Project:
 CENTRAL
 POLICE PRECINCT

Title:
 DOOR/WINDOW
 SCHEDULES

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Designed: TRMA
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 Checked: CTC
 Supv: CTC
 Scale: 1/4" = 1'-0"
 Date: 12/19/16
 Project No. File
 No. _____
 Drawing No.

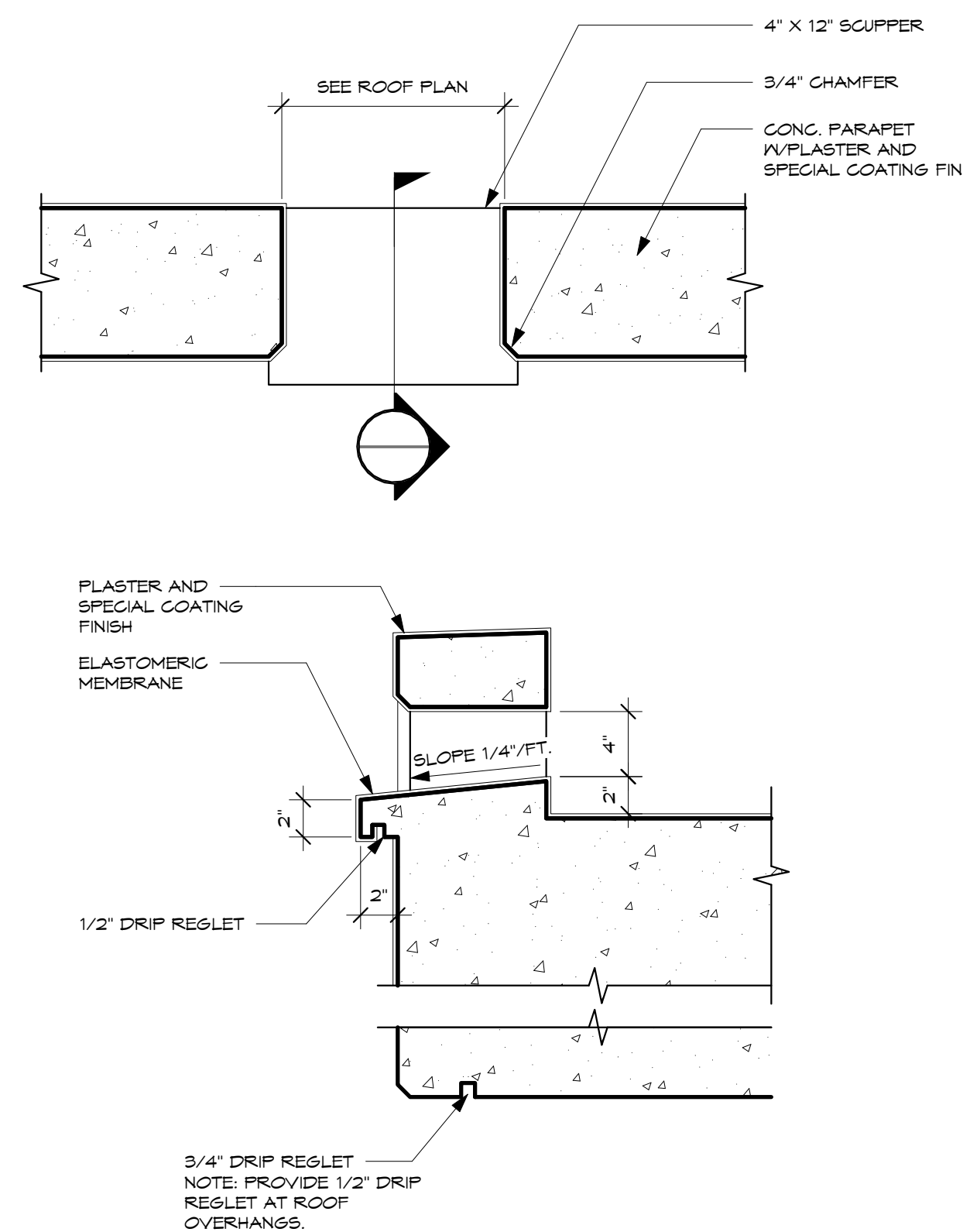
A8.2
 Sheet No. _____ of _____



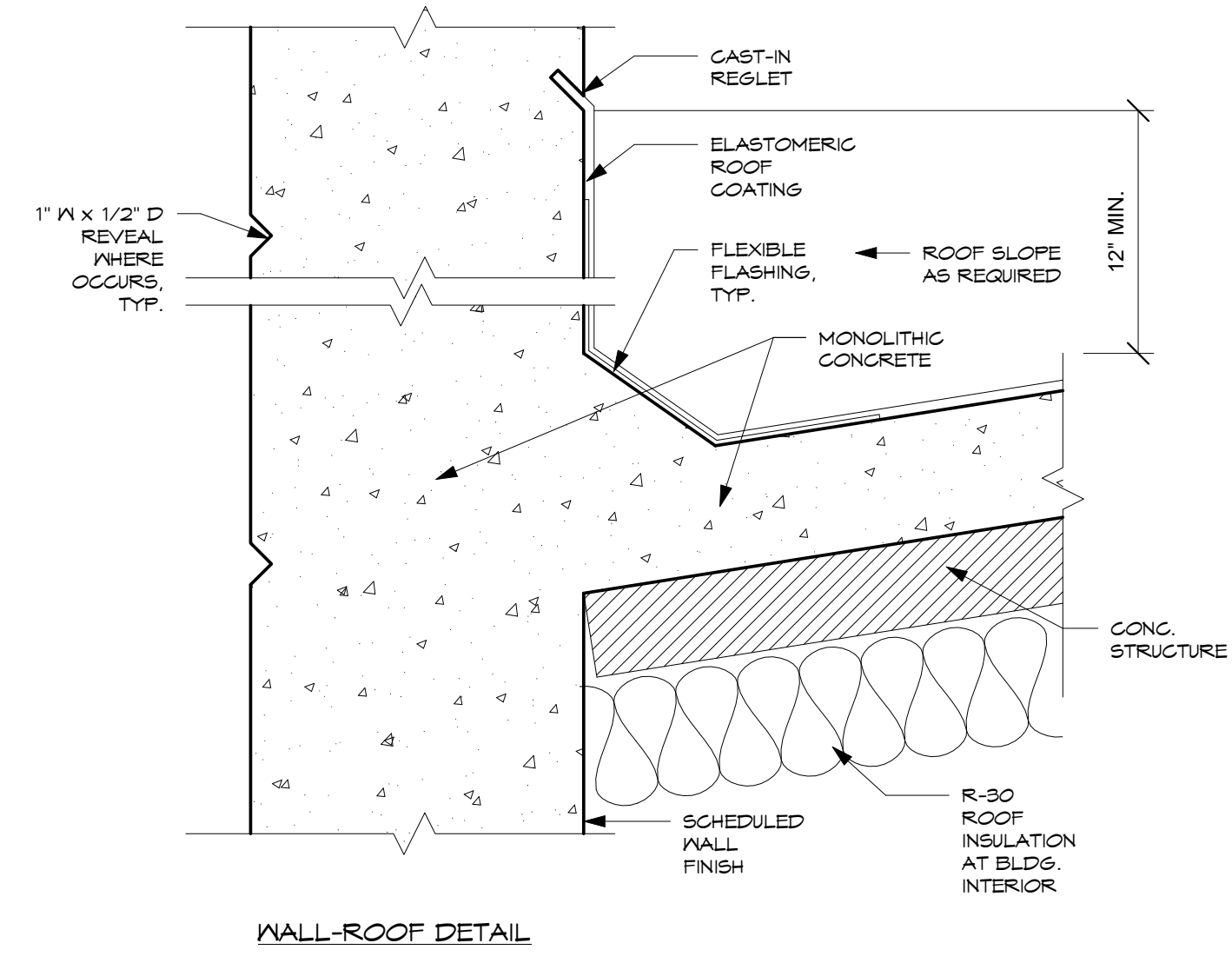
DOOR TYPES

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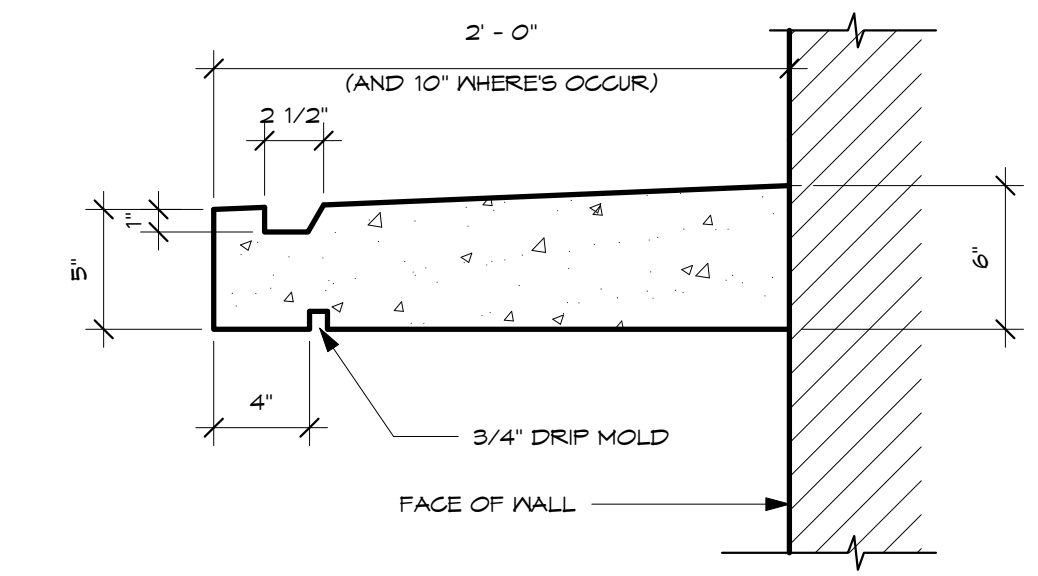
IF SHEET IS LESS THAN 24" x 36"
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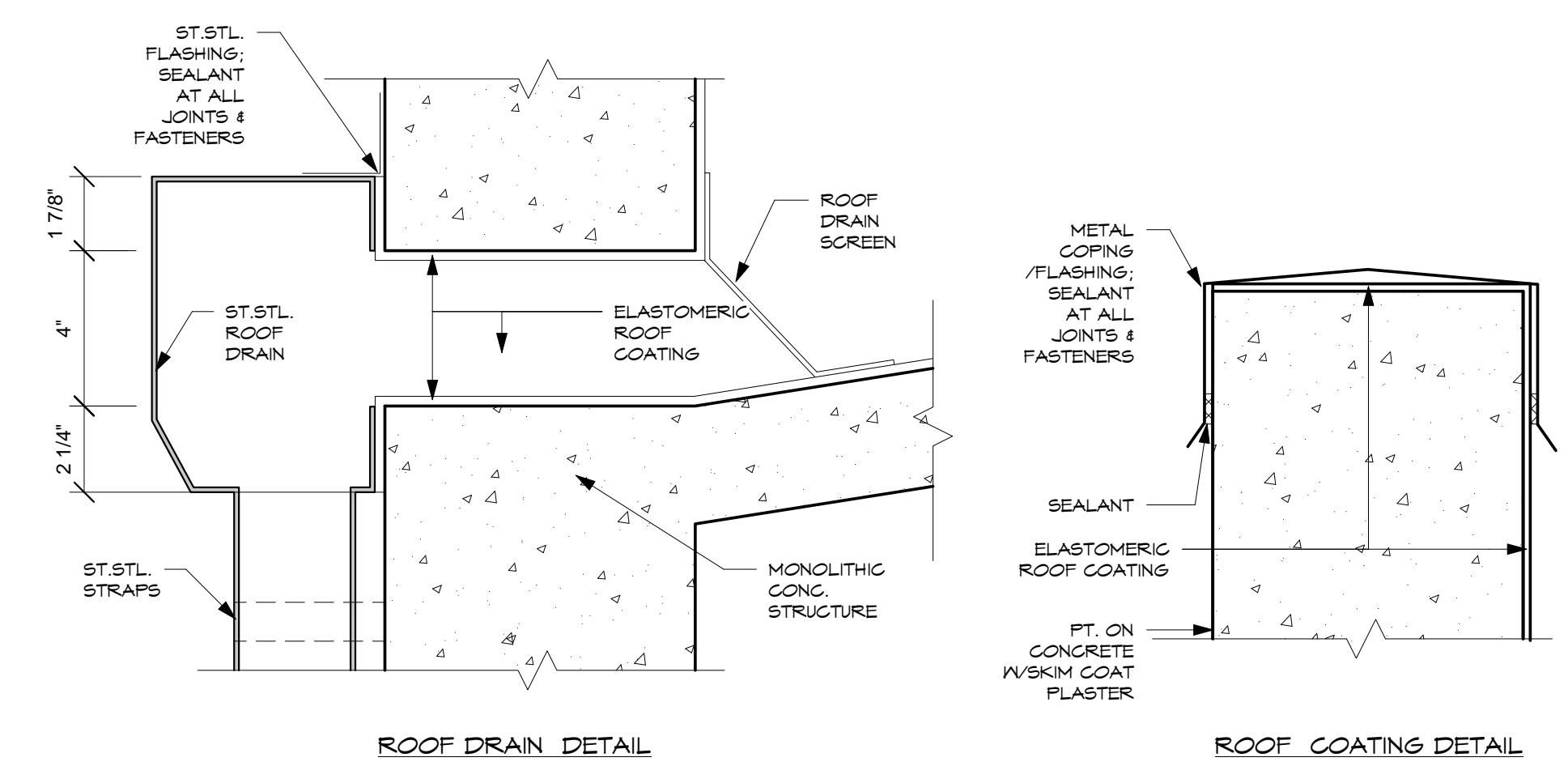
1 SCUPPER DRAIN1
SCALE: 1 1/2" = 1'-0"



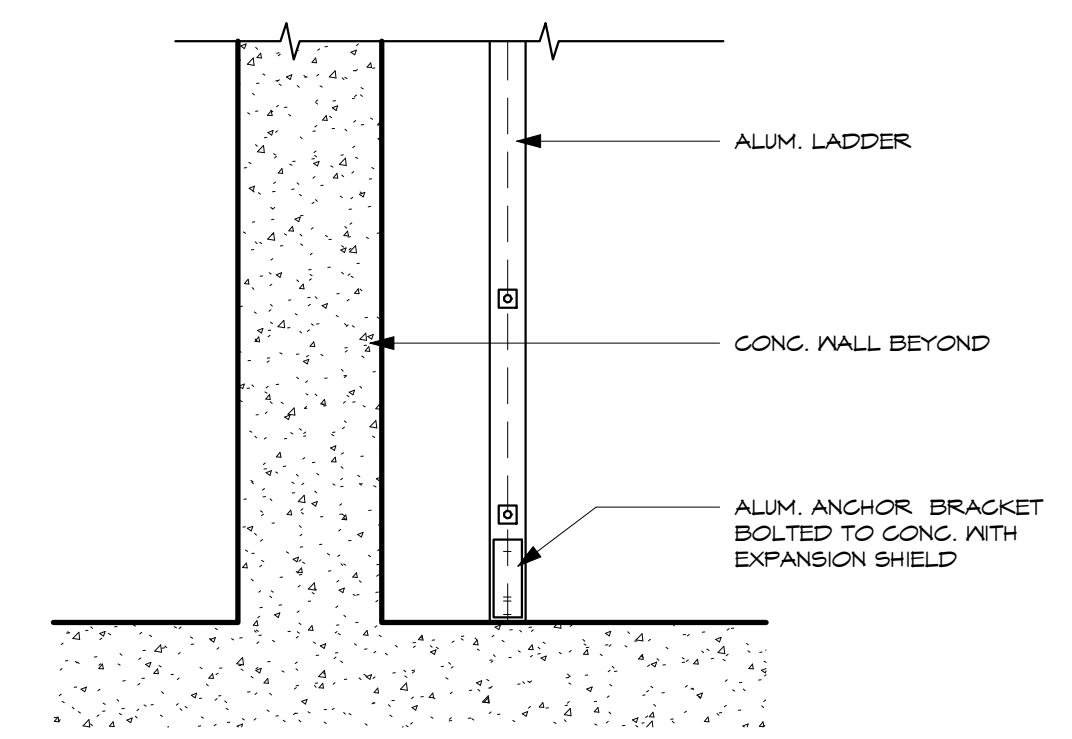
2 TYP. WALL-ROOF DETAIL
SCALE: 3" = 1'-0"



3 CONC. EYEBROW
SCALE: 1 1/2" = 1'-0"



4 ROOF DETAIL - ROOF DRAIN & ROOF COATING
SCALE: 3" = 1'-0"



5 LADDER @ BASE DETAIL
SCALE: 1 1/2" = 1'-0"

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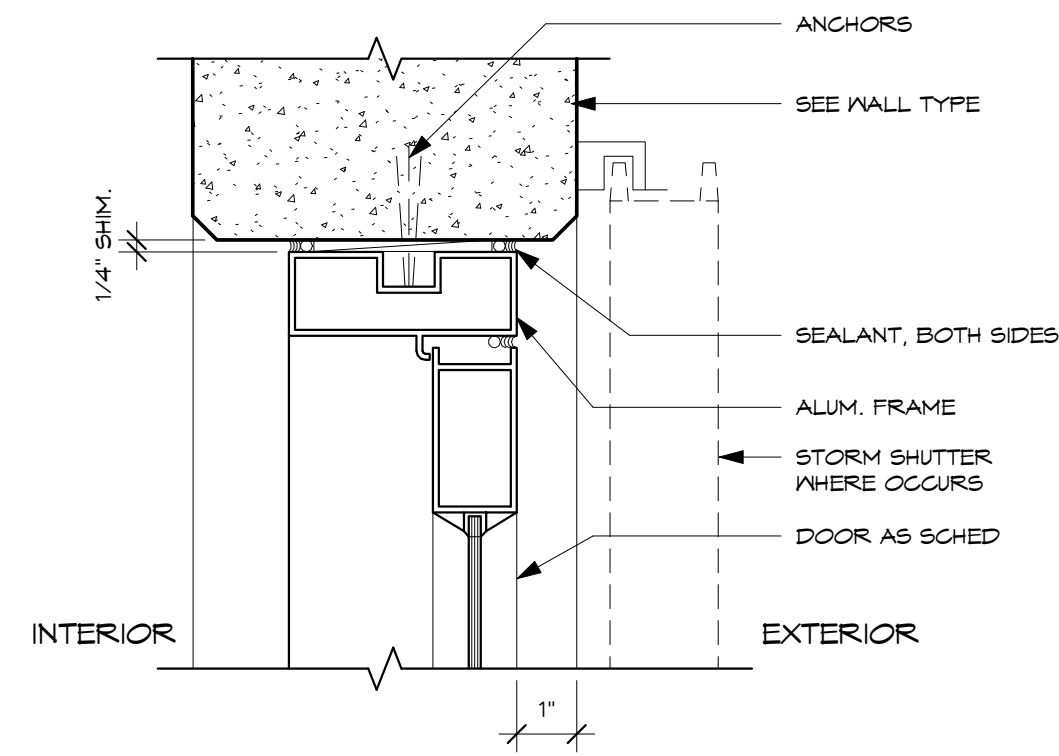
Project:
CENTRAL
POLICE PRECINCT

Title:
ROOF DETAILS

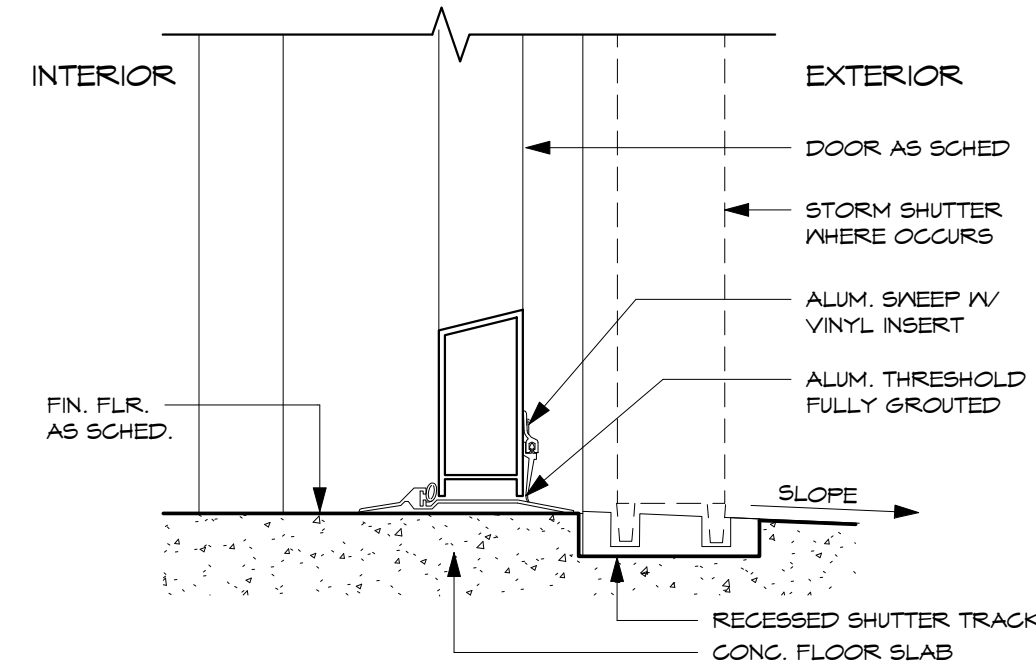
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Drawn: TRMA
Checked: CTC
Supv: CTC
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Date: 12/19/16
Project No. File No.
Drawing No.

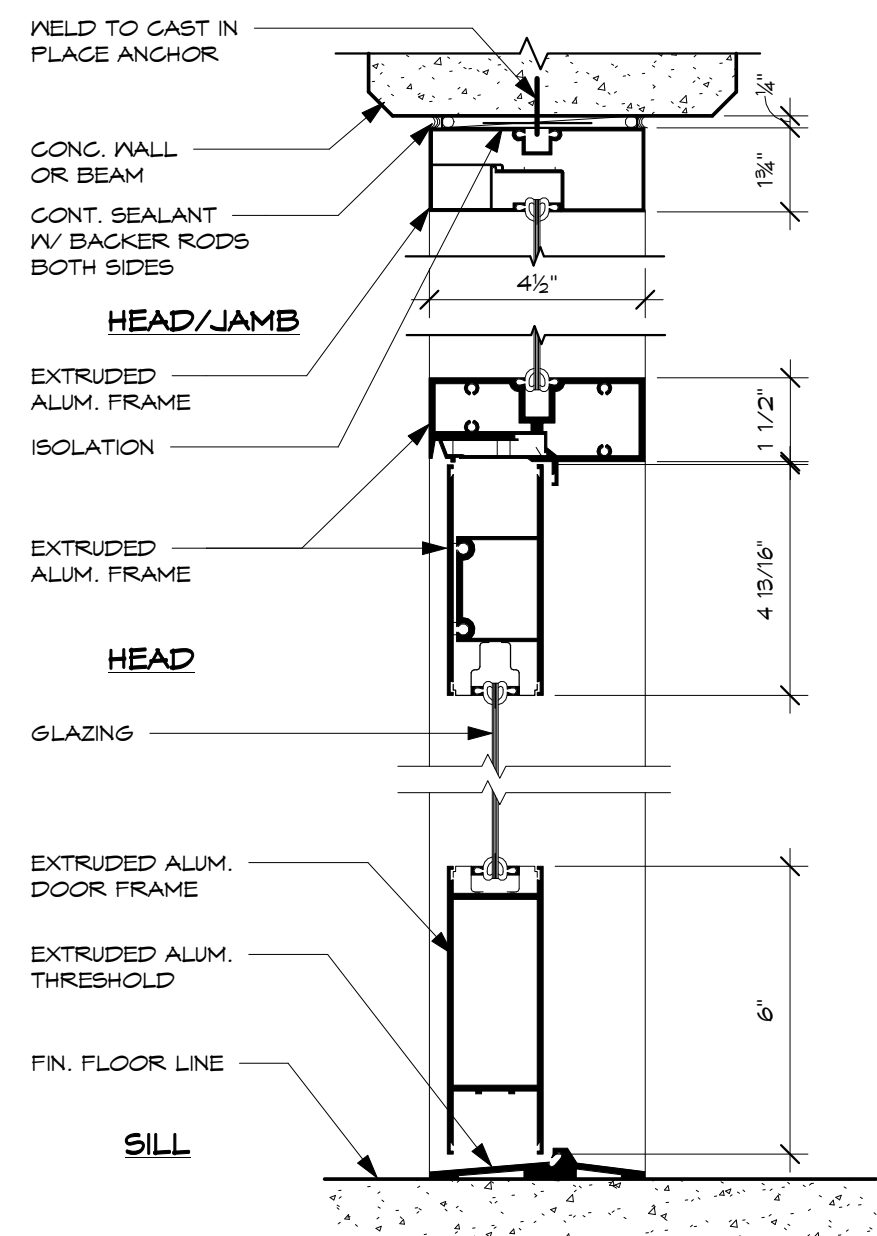
A9.2
Sheet No. _____ of _____



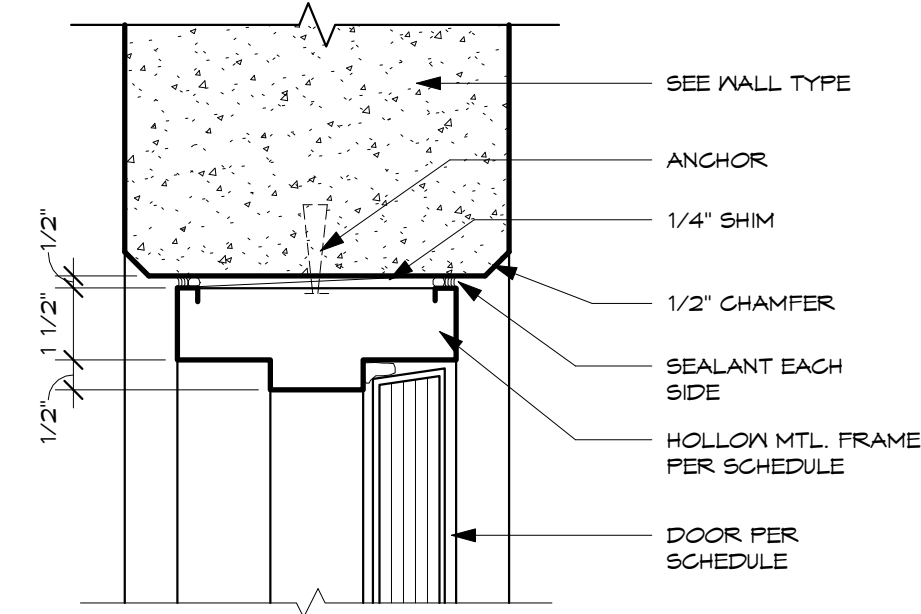
1 ALUM. DOOR HEAD/JAMB
SCALE: 3" = 1'-0"



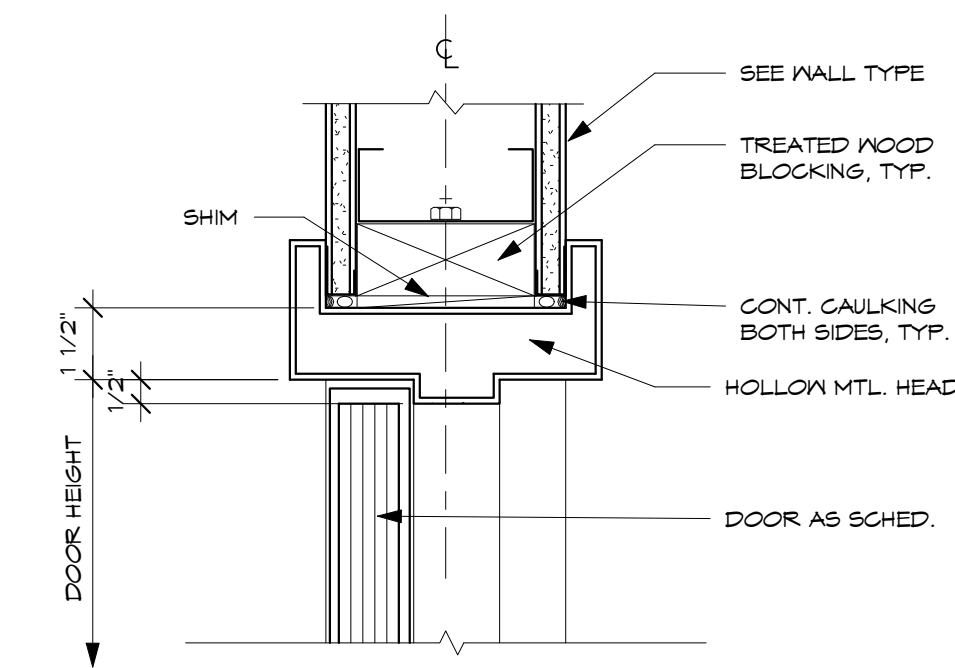
2 ALUM. DOOR THRESHOLD
SCALE: 3" = 1'-0"



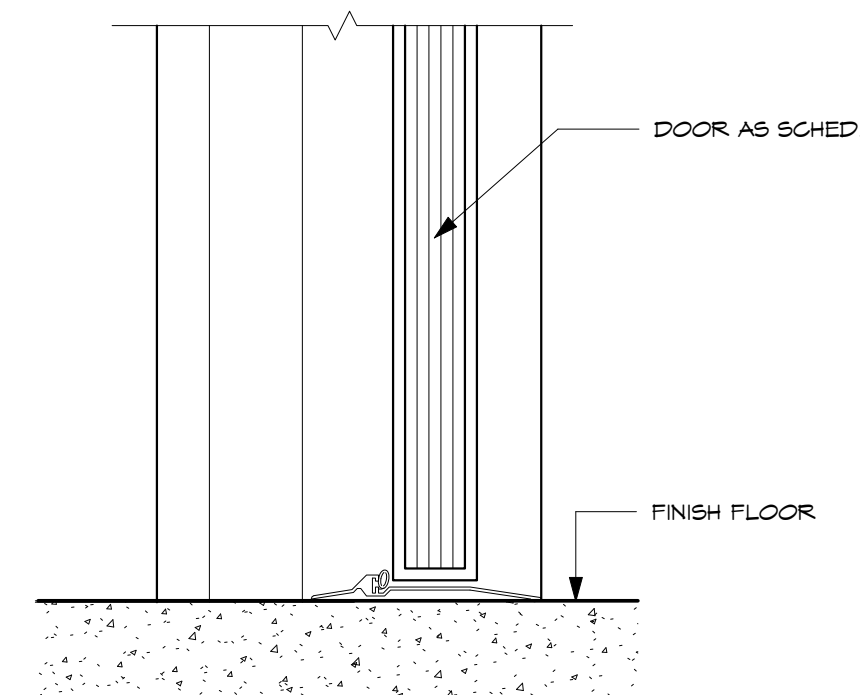
3 DOOR HEAD/JAMB/THRESHOLD GLAZING W/TRANSOM
SCALE: 3" = 1'-0"



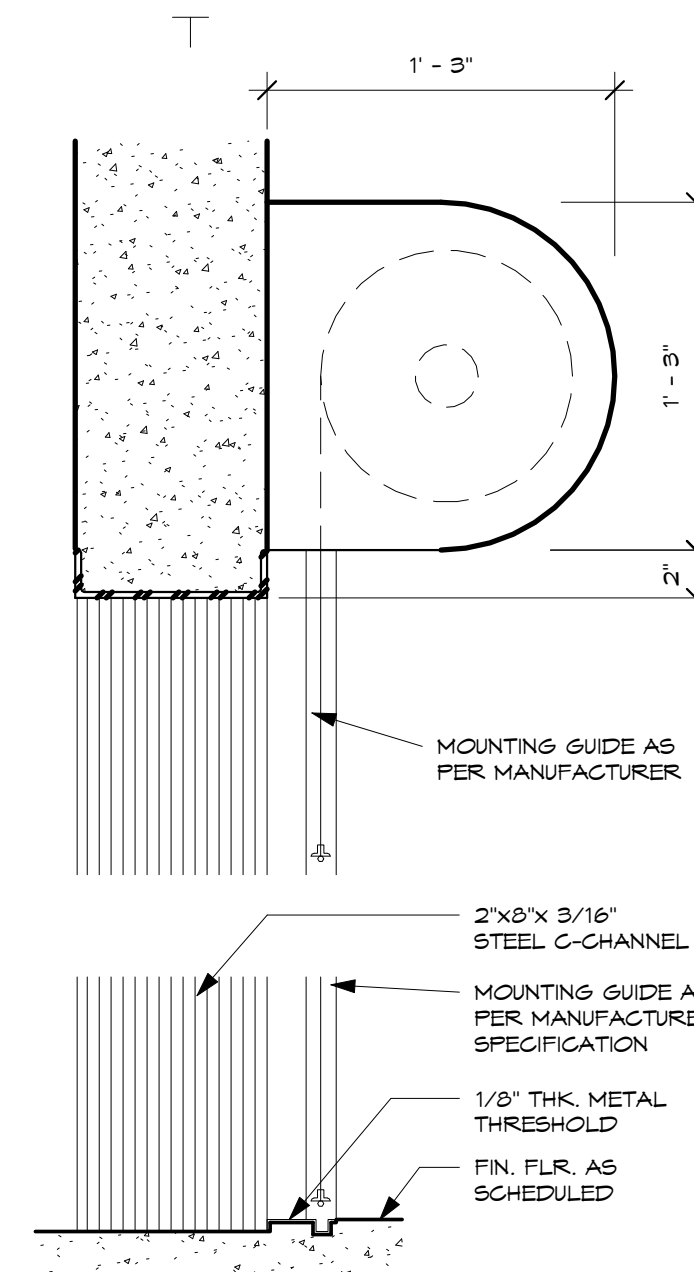
4 DOOR HEAD/JAMB
SCALE: 3" = 1'-0"



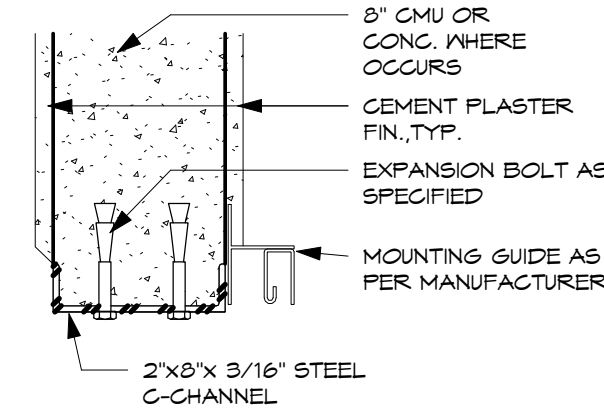
5 HEAD / JAMB
SCALE: 3" = 1'-0"



6 DOOR SILL
SCALE: 3" = 1'-0"



7 ROLL UP GRILL HEAD/SILL
SCALE: 1 1/2" = 1'-0"



8 ROLL UP GRILL JAMB
SCALE: 1 1/2" = 1'-0"

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POLICE PRECINCT

Title:
DOOR DETAILS

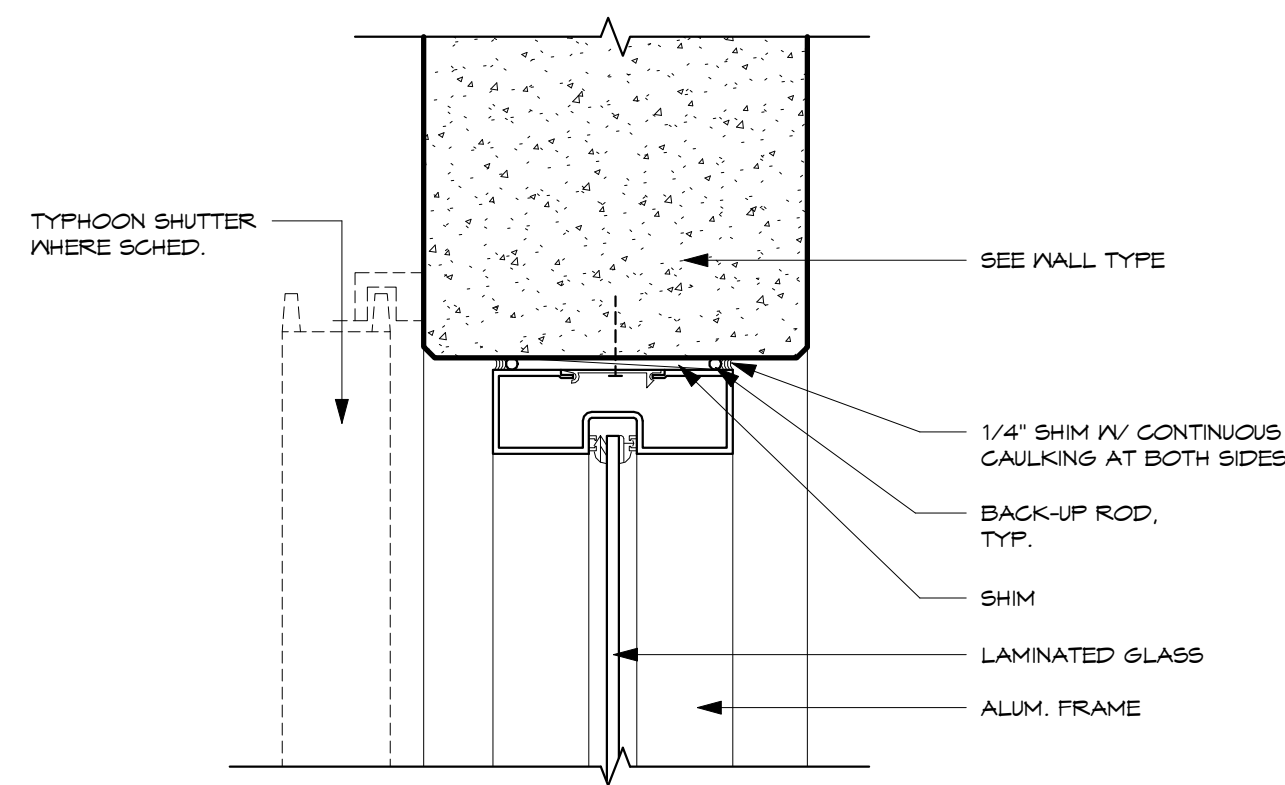
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Drawing No.

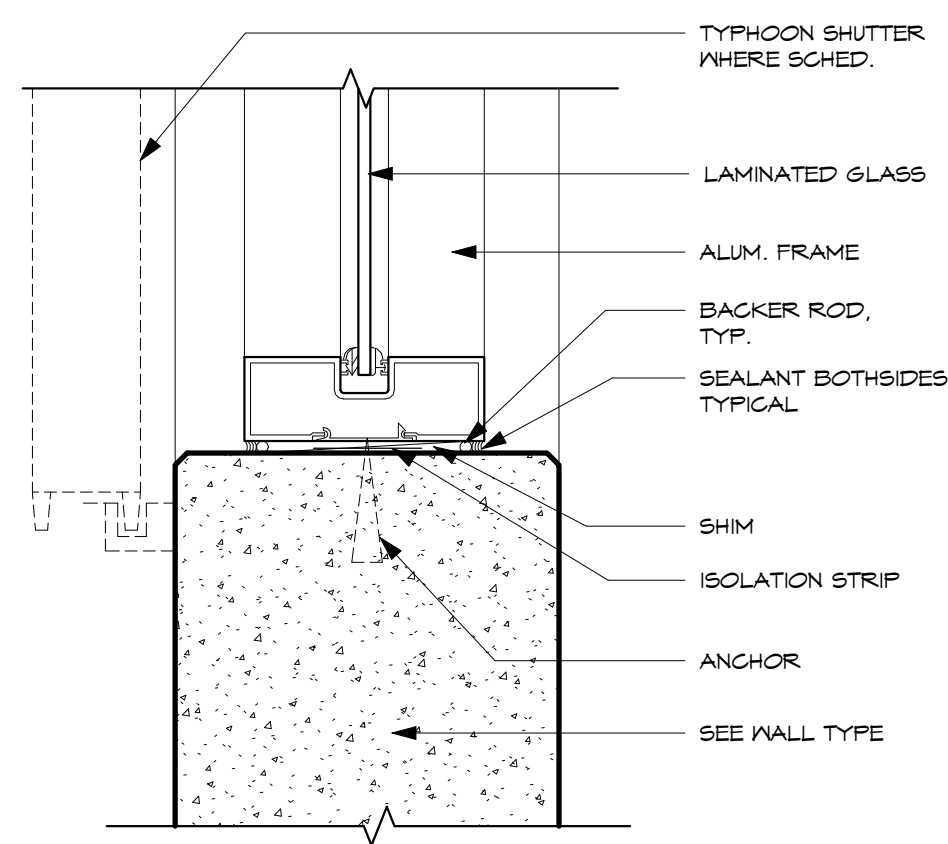
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Sheet No. of

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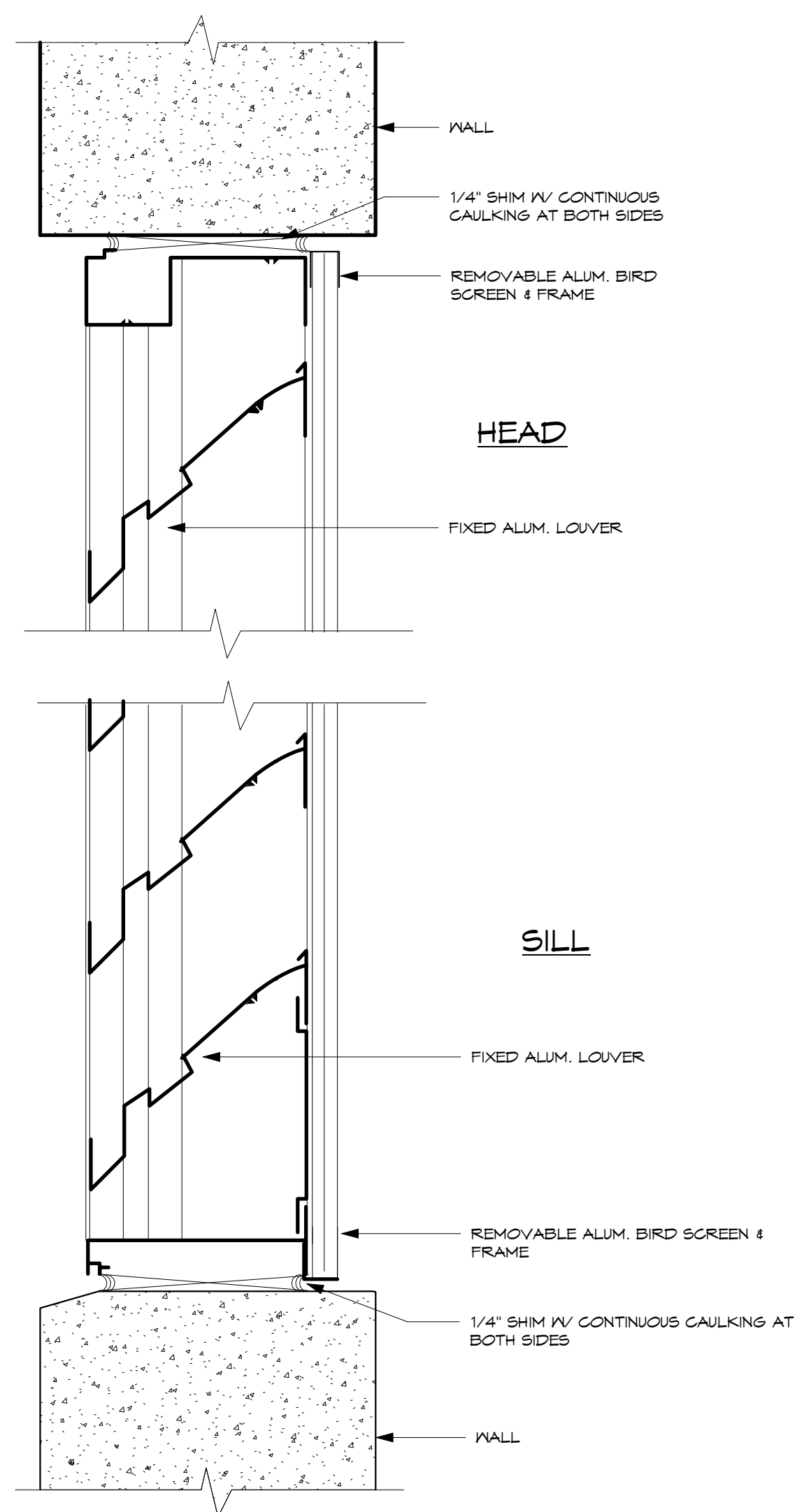
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1 WINDOW HEAD/JAMB (FIXED)
SCALE: 3" = 1'-0"



2 WINDOW SILL (FIXED)
SCALE: 3" = 1'-0"



3 LOUVER DETAIL
SCALE: 3" = 1'-0"

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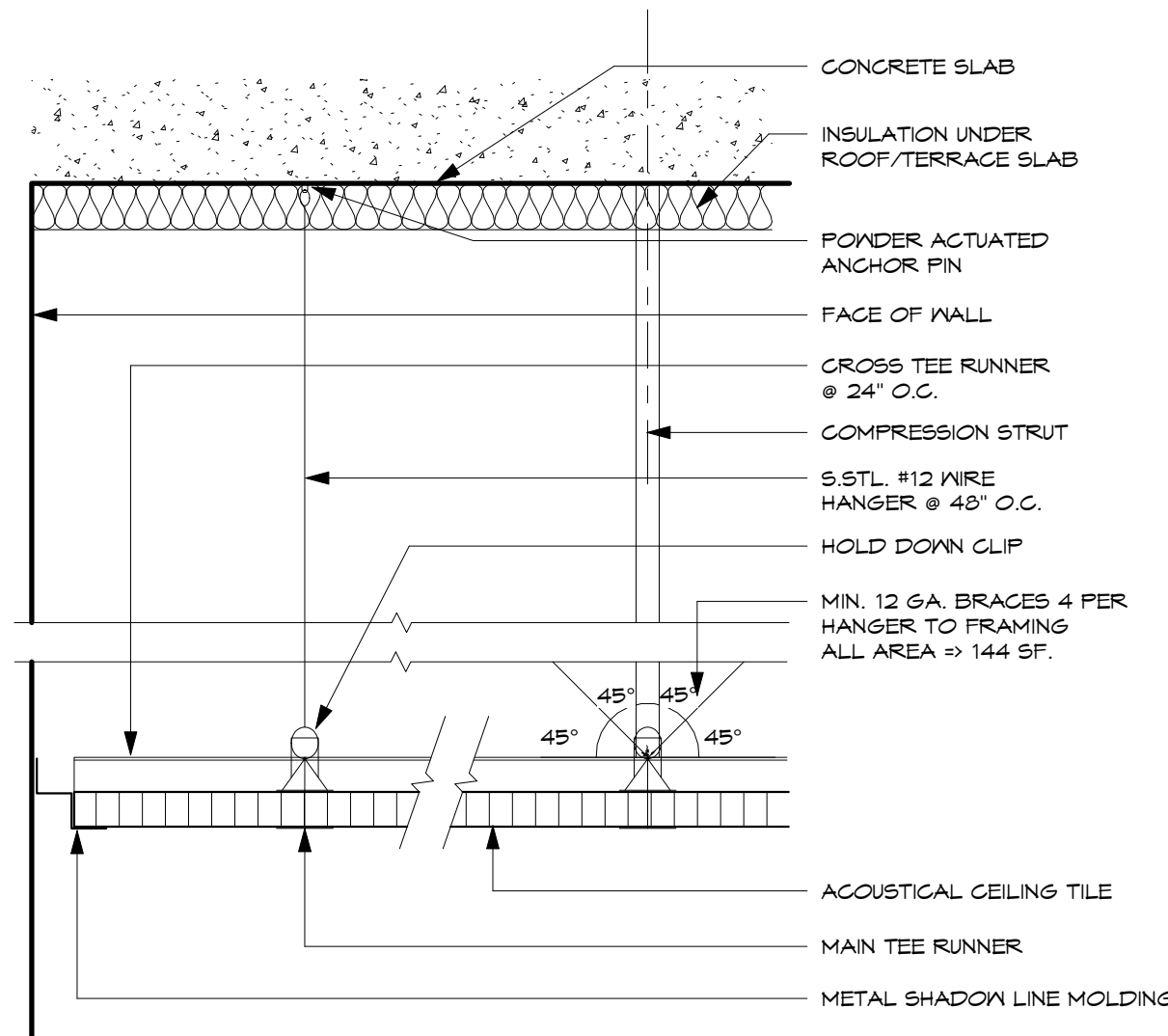
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WINDOW DETAILS

BID DOCUMENTS

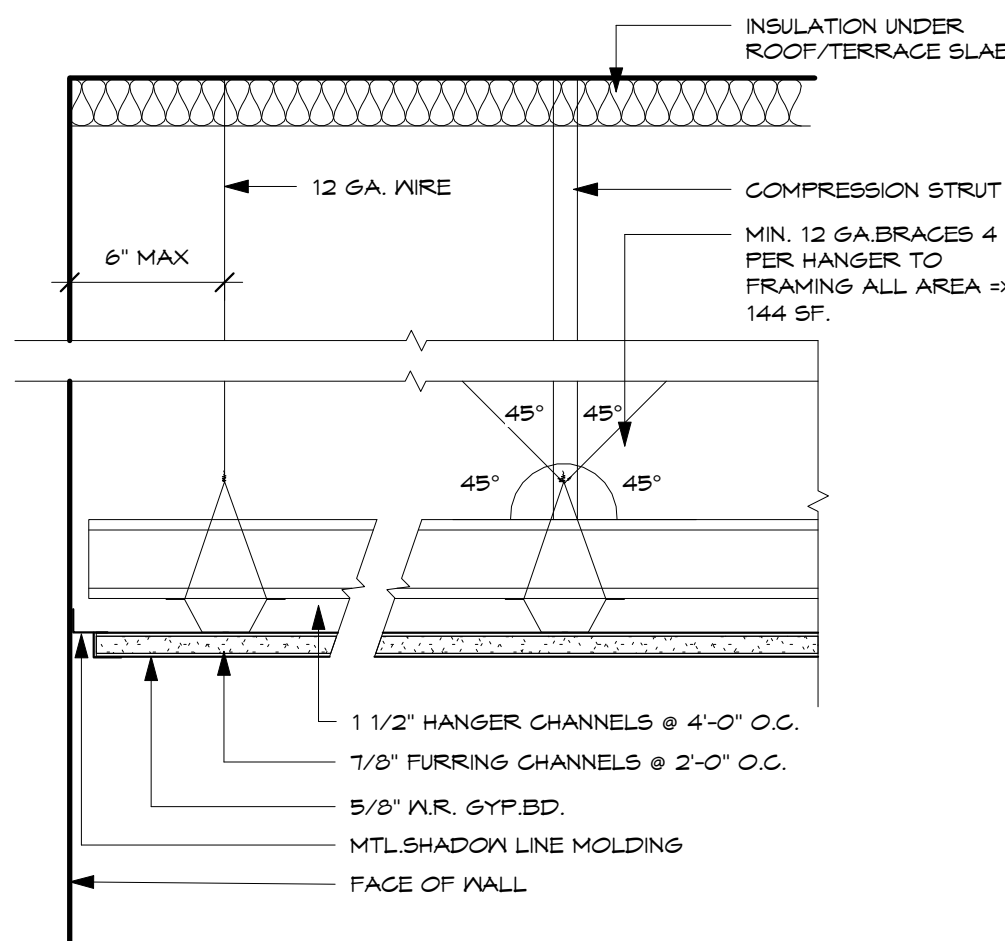
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Date: 12/19/16
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Drawing No.

A10.2
Sheet No. _____ of _____

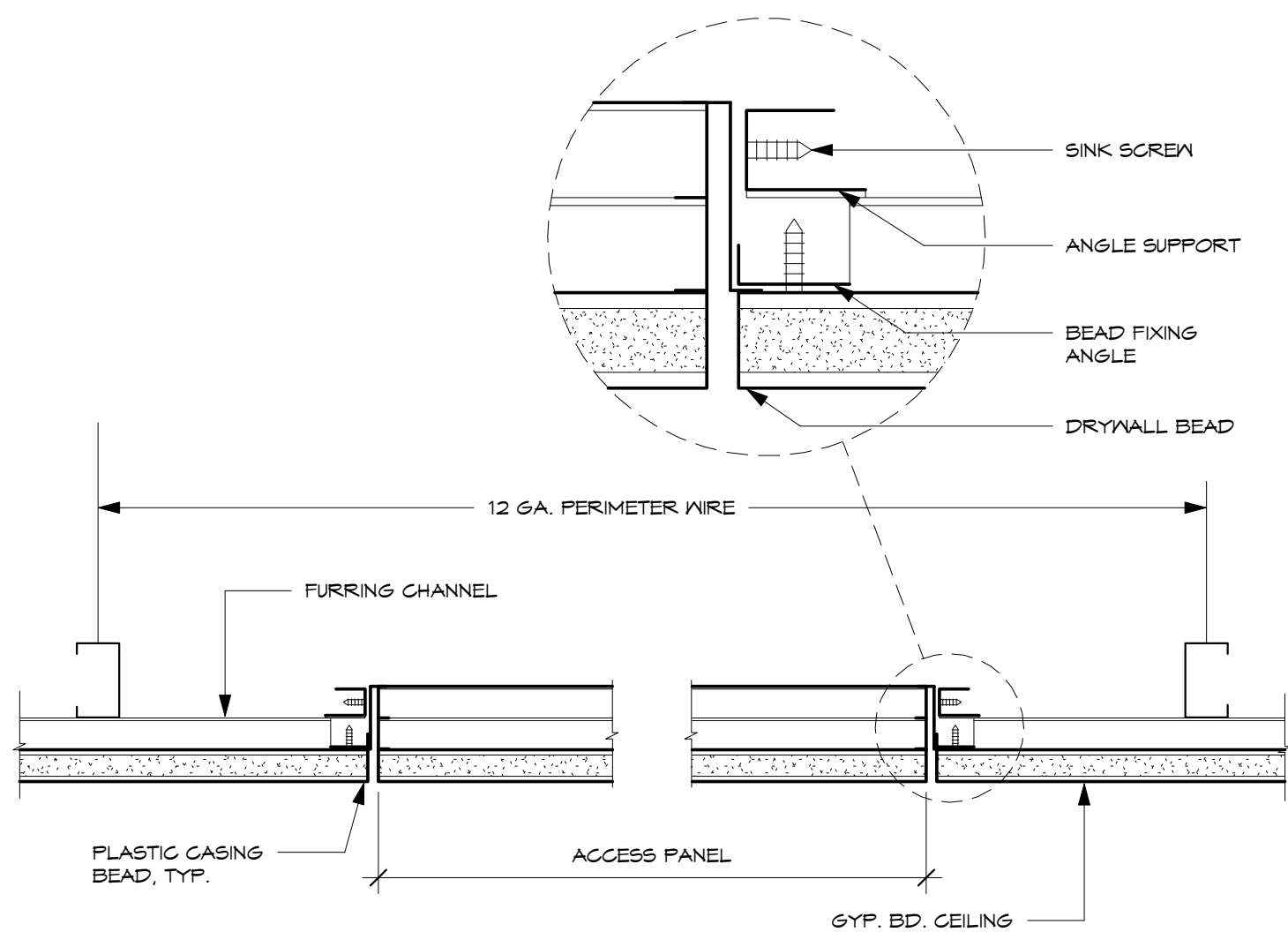
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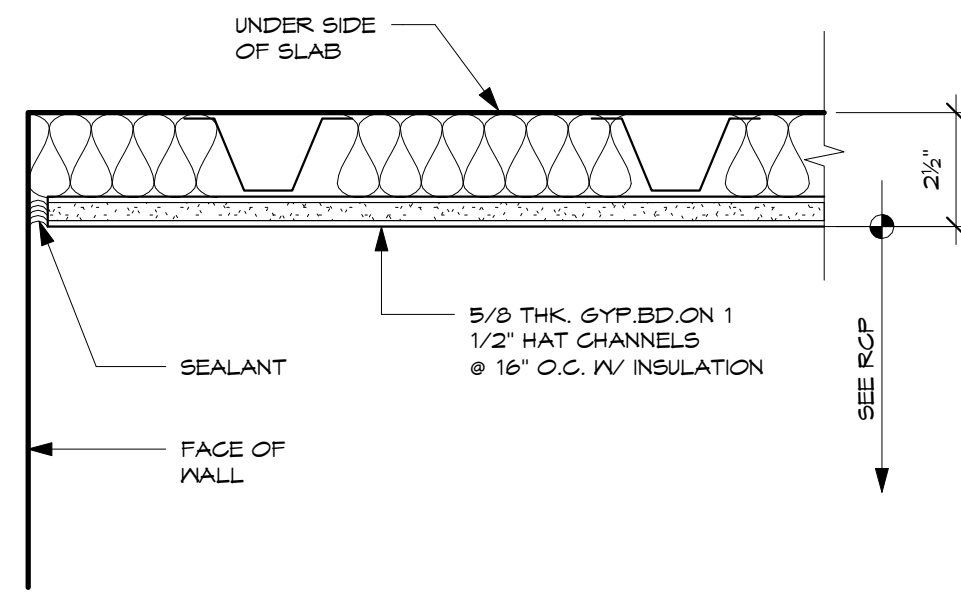
1 SUSPENDED ACOUSTICAL CEILING DETAIL
SCALE: 3" = 1'-0"



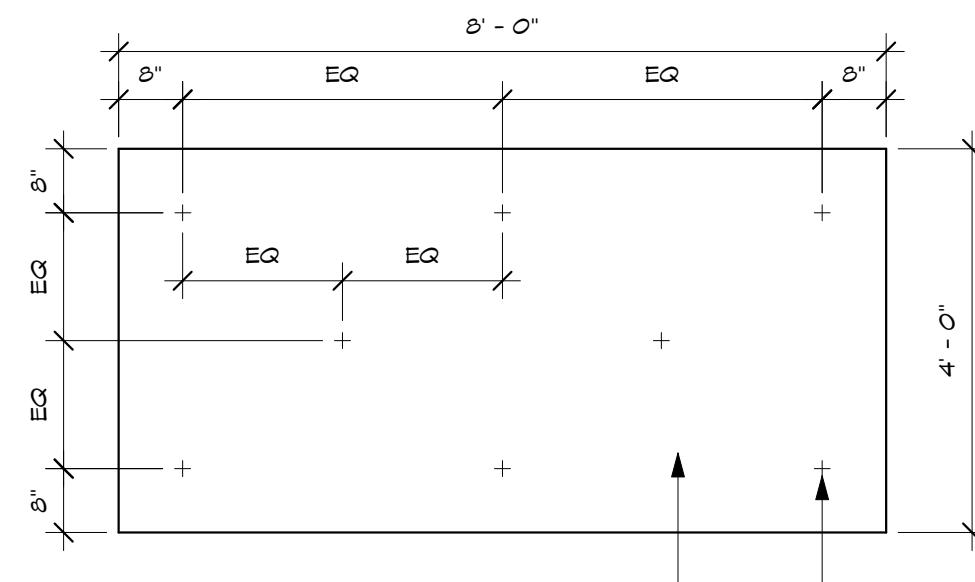
5 SEISMIC BRACING FOR SUSPENDED CEILING
SCALE: 3" = 1'-0"



6 ACCESS PANEL DETAIL
SCALE: 3" = 1'-0"

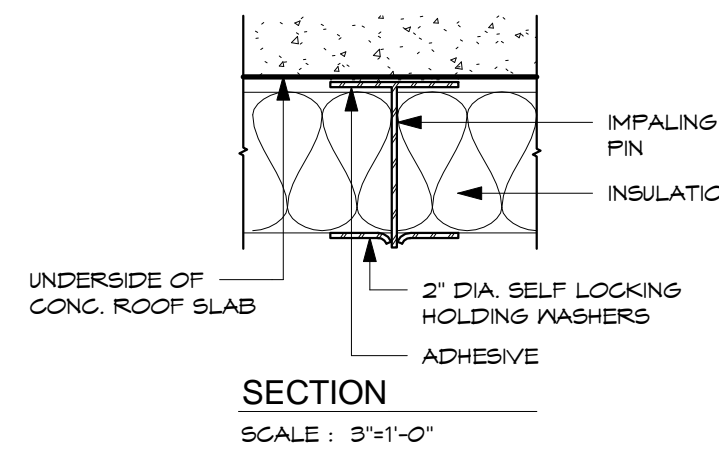


2 CEILING FURRING DETAIL
SCALE: 3" = 1'-0"



NOTES:

- FOR ALL SUSPENDED CEILING'S GREATER THAN 144SF, PROVIDE SEISMIC BRACING-DIAGONAL SWAY BRACING AND COMPRESSION BRACING AT APPROXIMATELY 12" O.C. AND 8" FROM WALLS OR EQUIVALENT TO RESIST SEISMIC MOVEMENT. PROVIDE SOFFIT LATERAL BRACING-ALTERNATING AT 4' O.C.
- METAL FRAMING AT WALLS AND CEILINGSS-22 GA.



3 INSULATION
SCALE: 1/2" = 1'-0"

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Title:
CEILING DETAILS

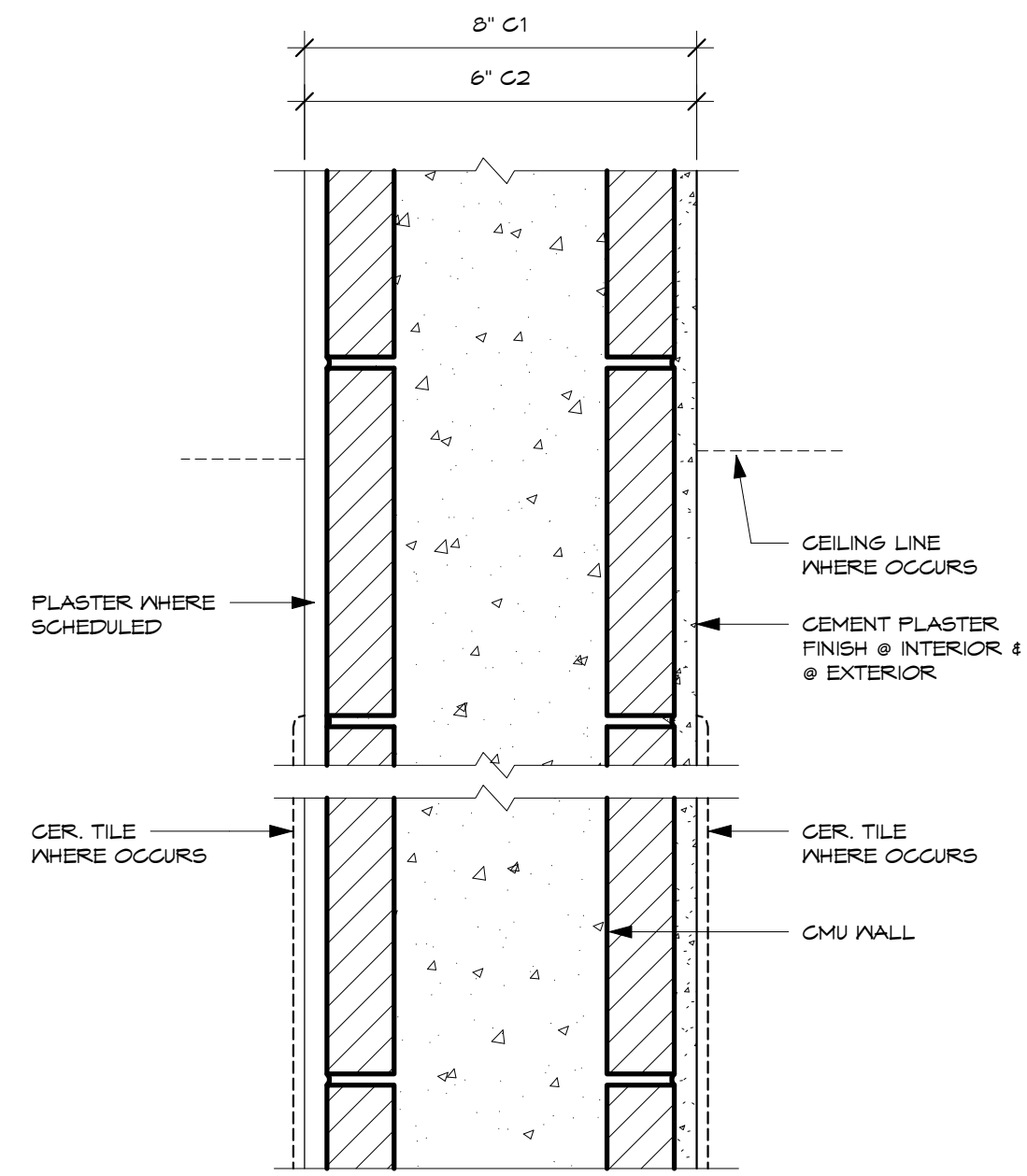
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Scale: As indicated
Date: 12/19/16
Project No. File
No. _____

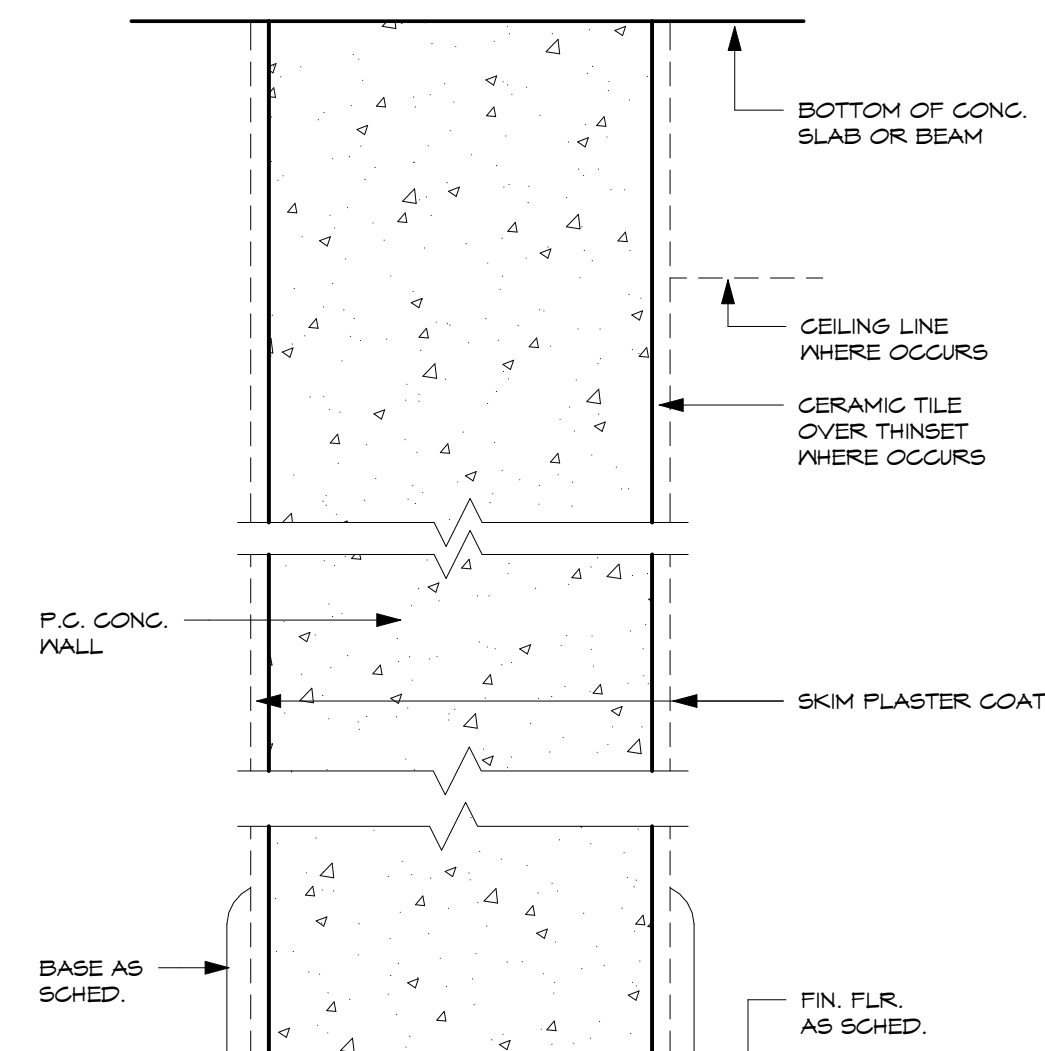
Drawing No.
A10.3
Sheet No. _____ of _____

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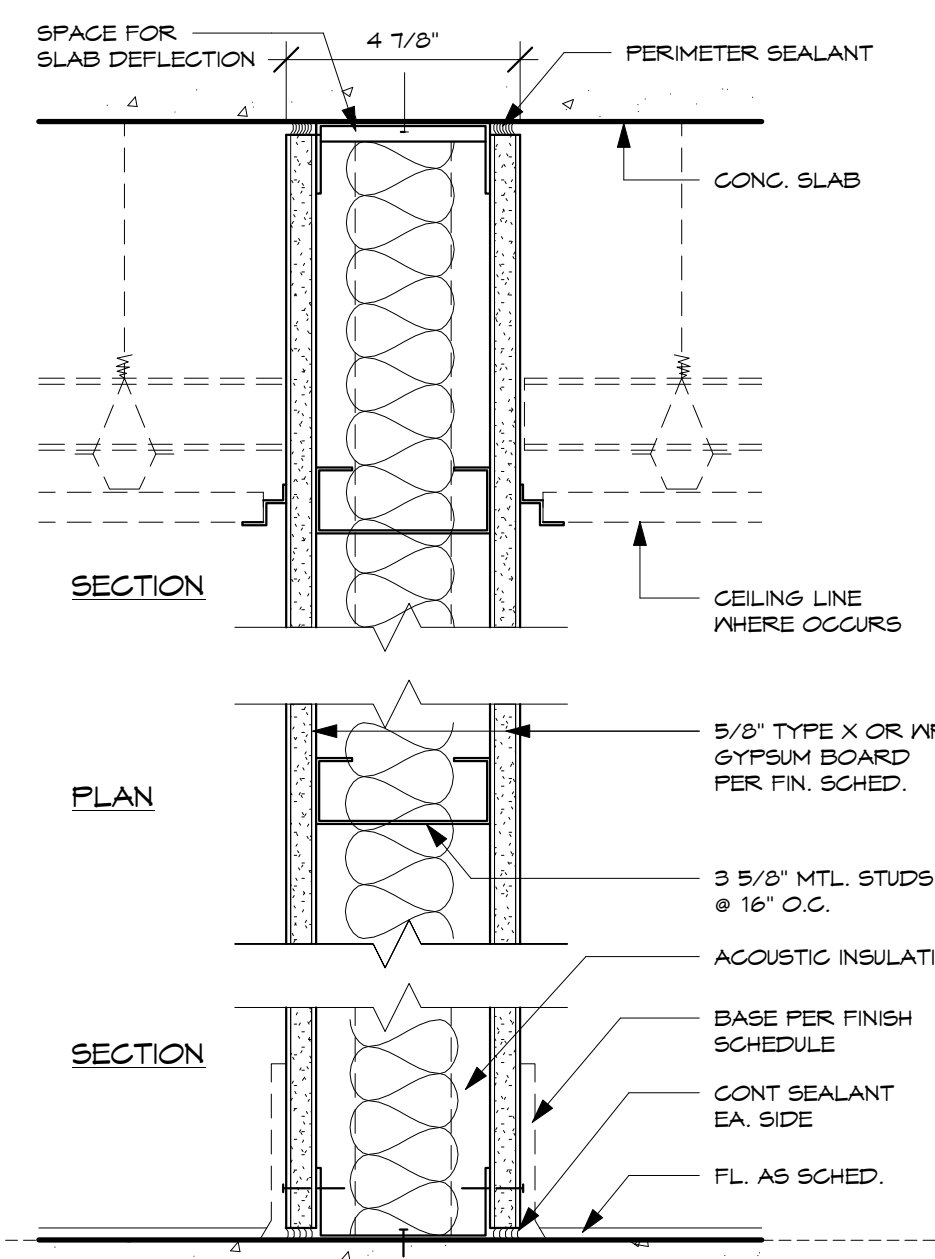


C1 CMU W/PLASTER (8" C1, 6" C2)
SCALE: 3" = 1'-0"



C3 CONC. WALL
SCALE: 3" = 1'-0"

NOTE: SEE STRUCTURAL DWGS FOR WIDTH OF WALL.



G1 WALL PARTITION
SCALE: 3" = 1'-0"

12/19/2016 11:41:46 AM

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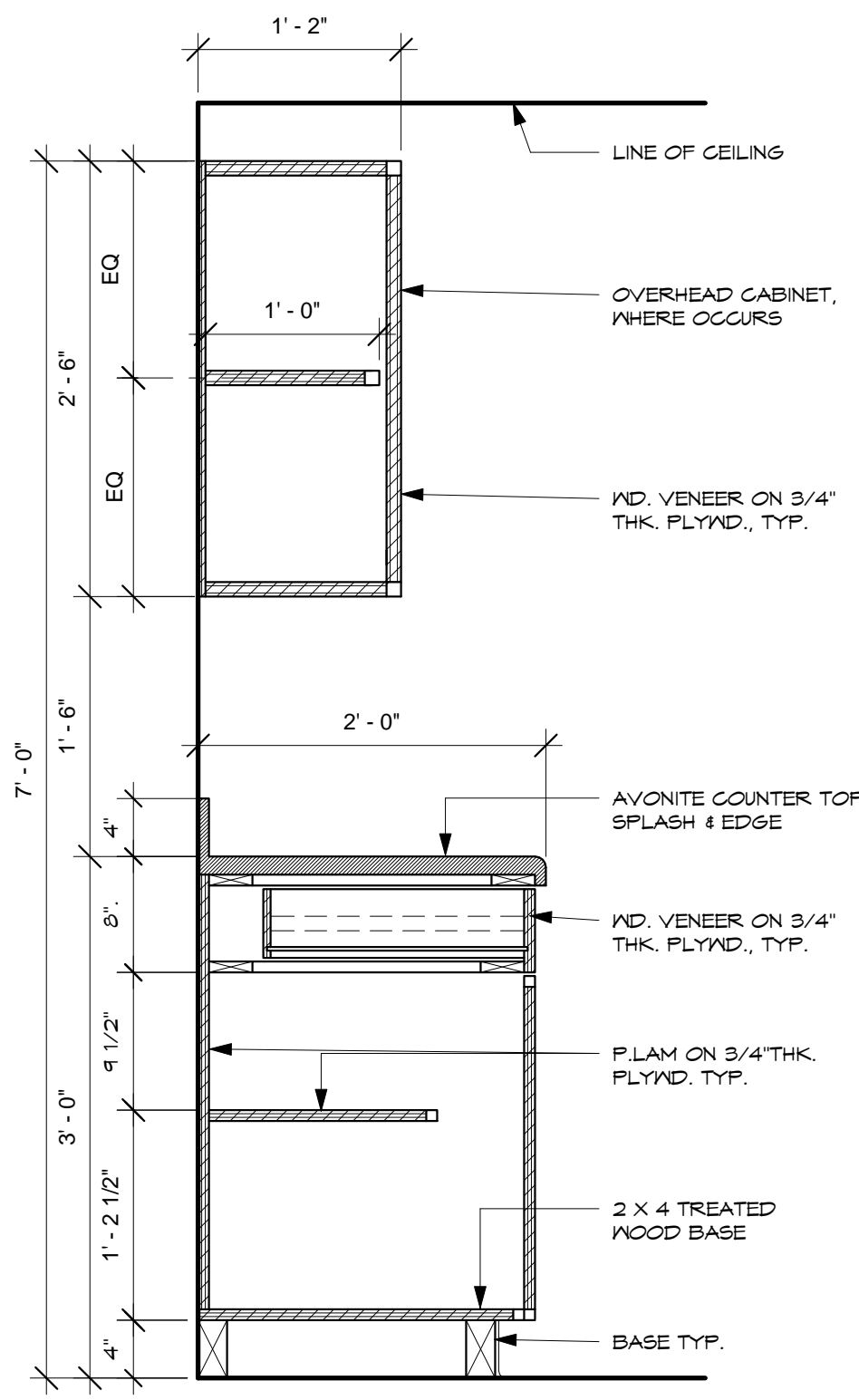
Project:
CENTRAL
POLICE PRECINCT

Title:
WALL DETAILS

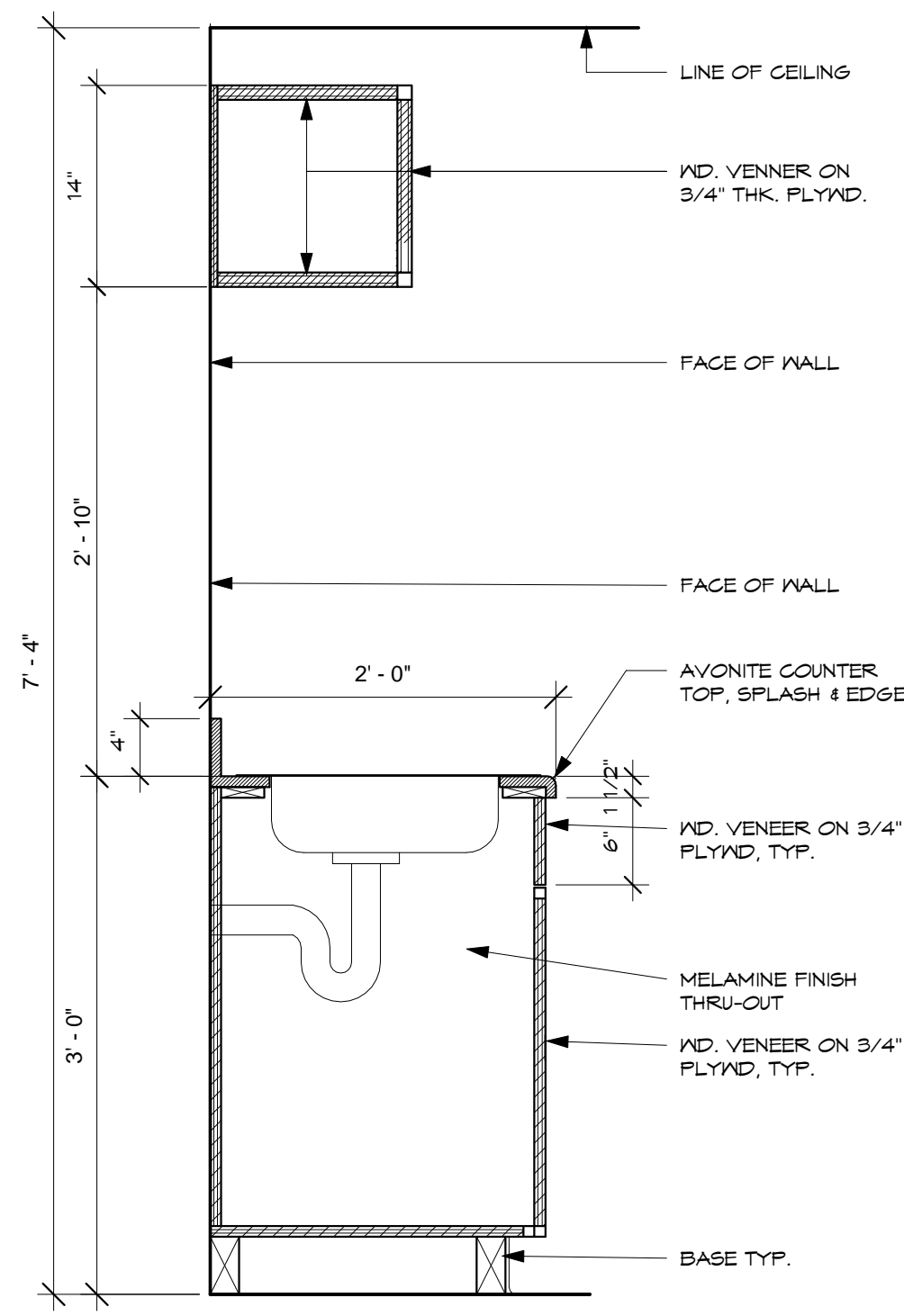
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Supv: CTC
Scale: 3" = 1'-0"
Date: 12/19/16
Project No. File
No.

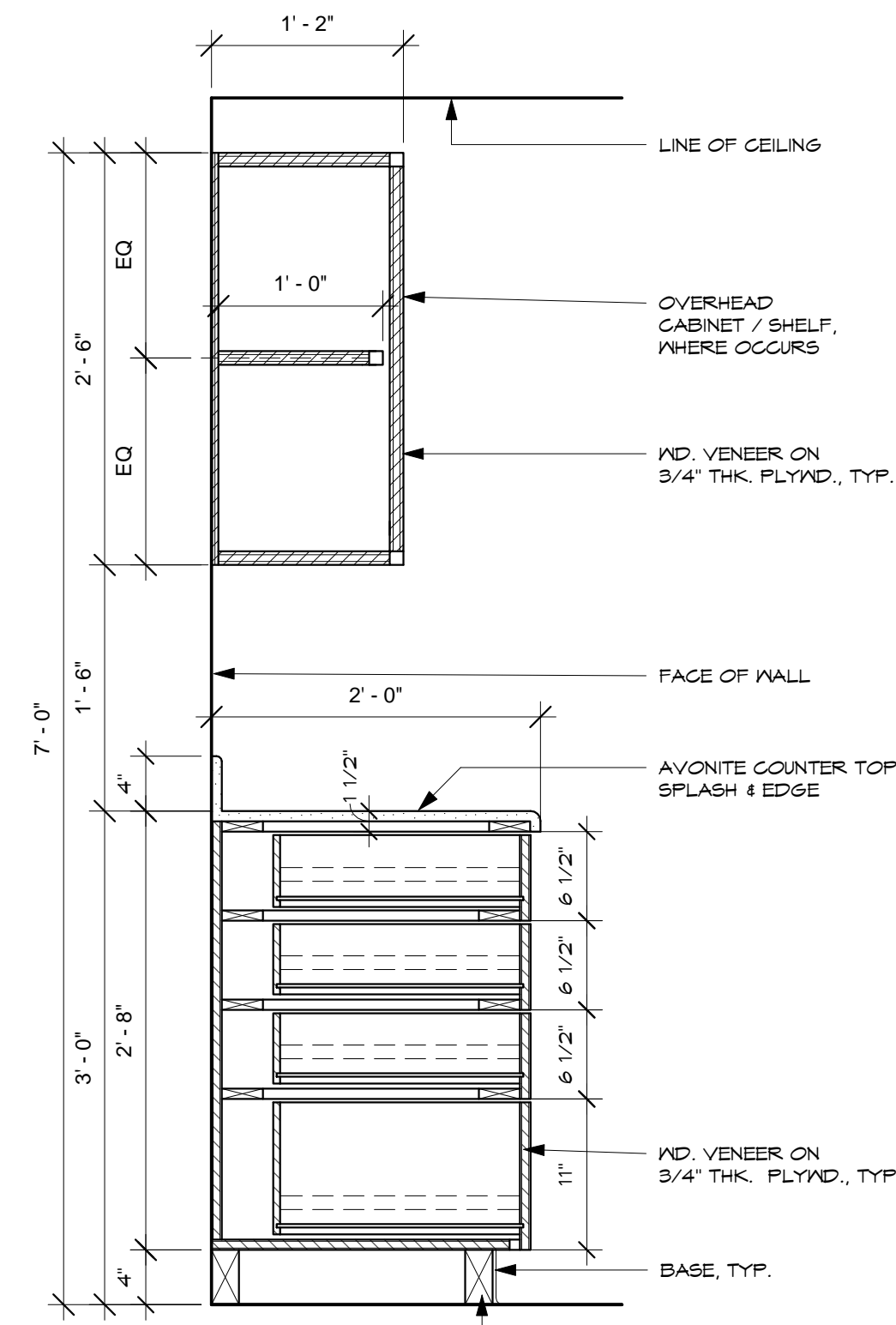
Drawing No.
A11.1
Sheet No. of



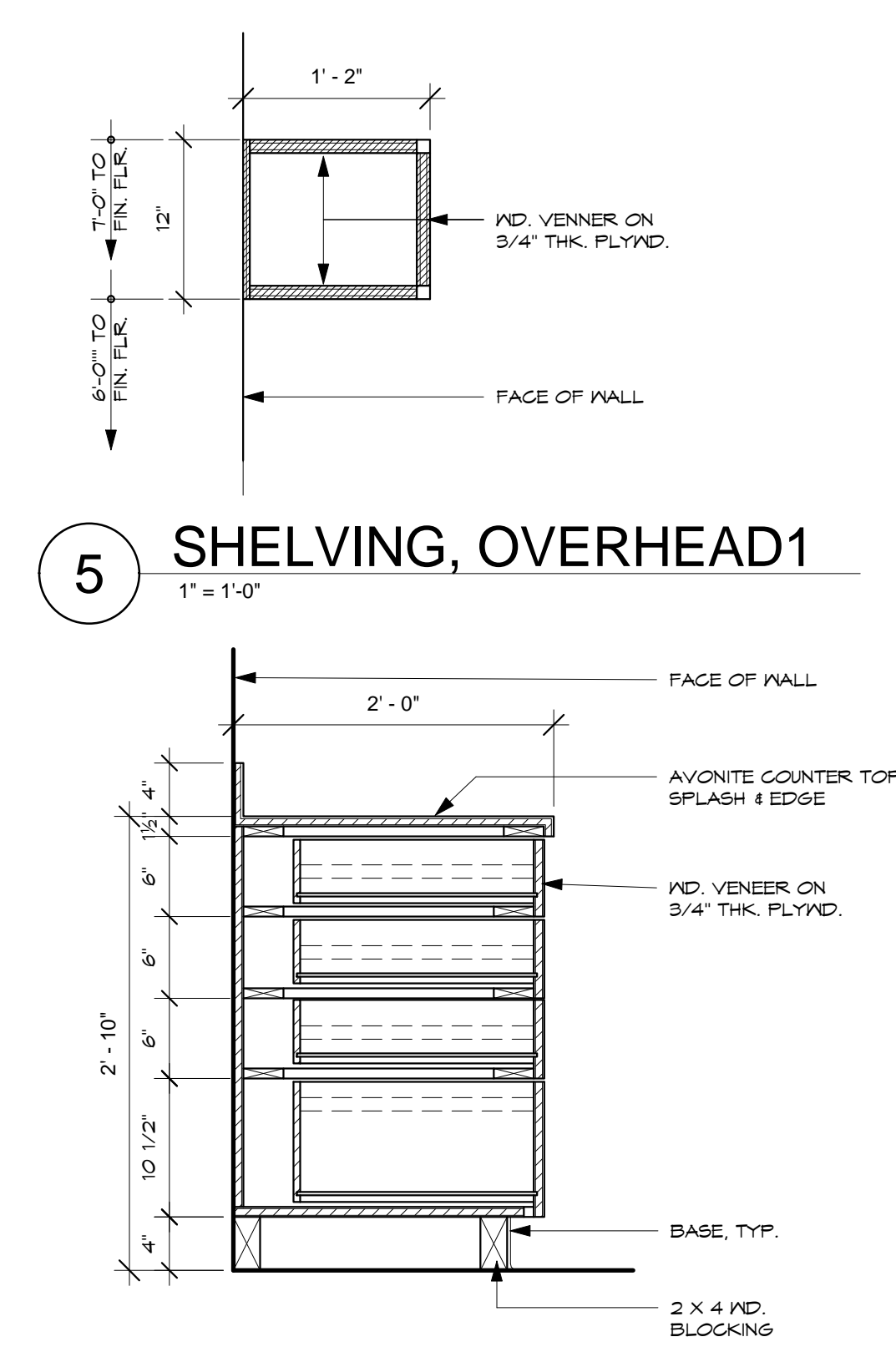
1 CABINET DETAIL
1" = 1'-0"



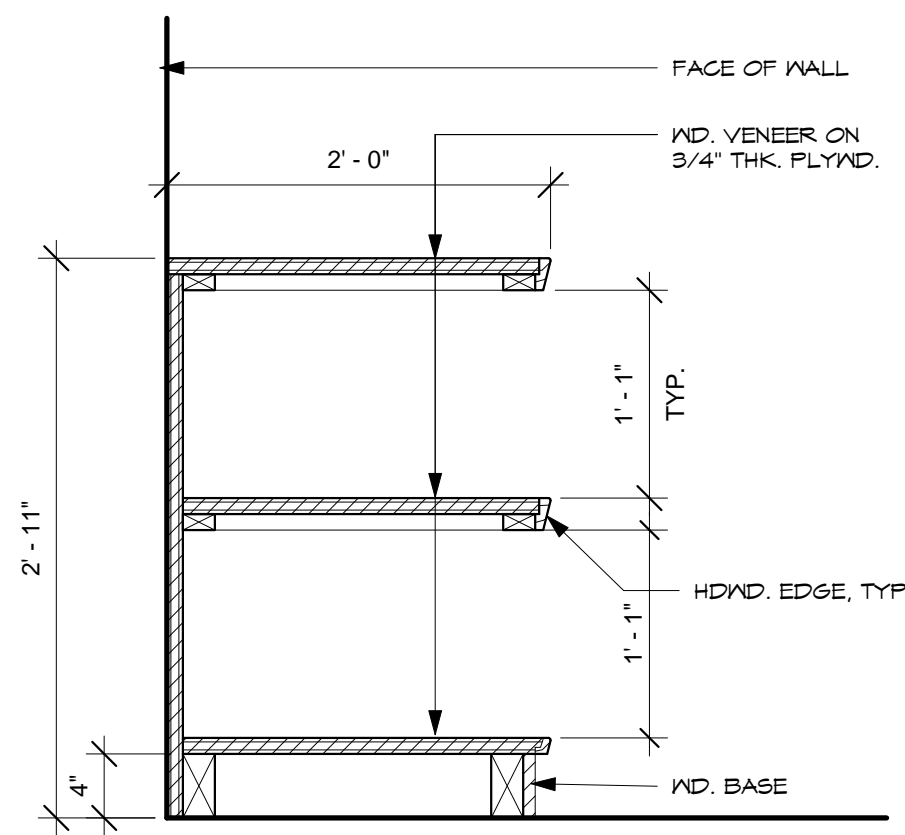
2 CABINET DETAIL
1" = 1'-0"



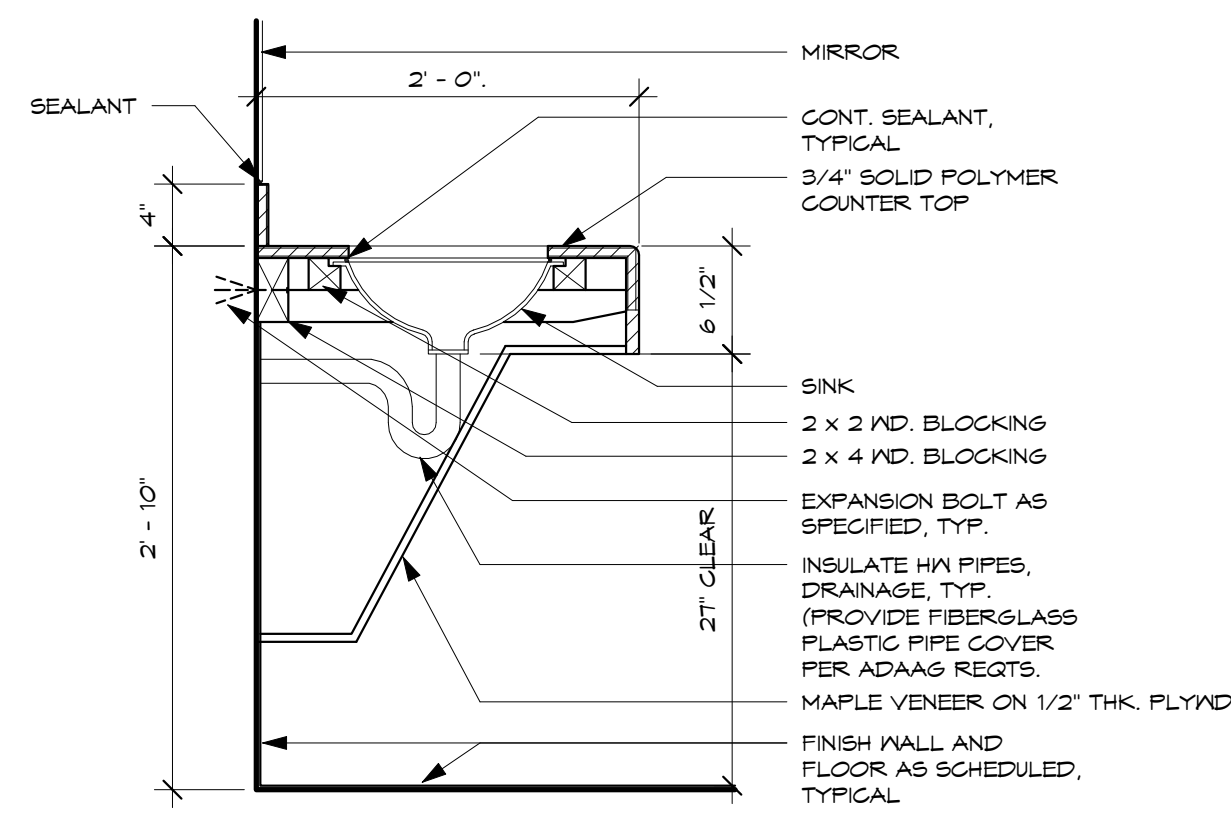
3 CABINET DETAIL
1" = 1'-0"



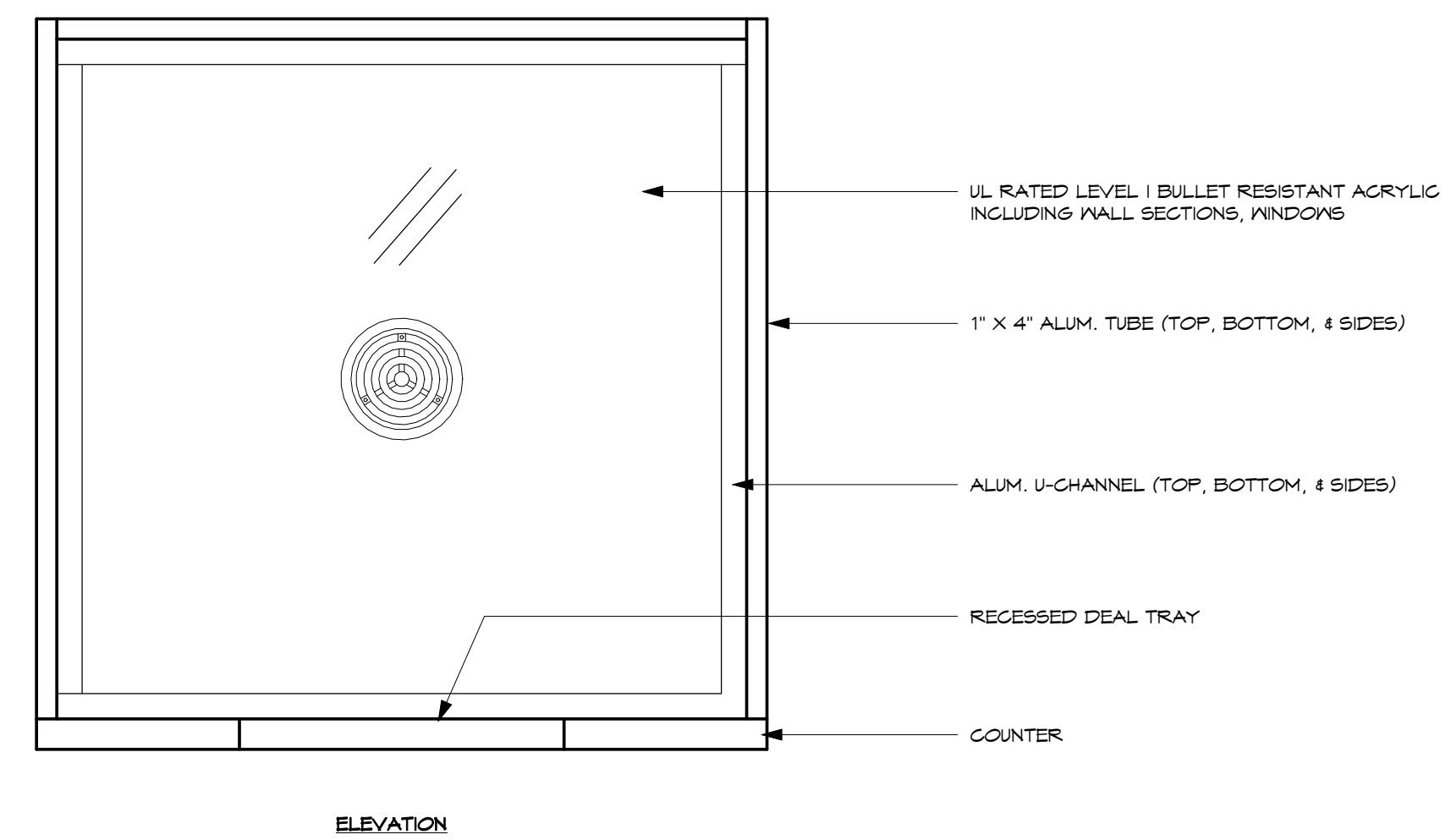
5 SHELVING, OVERHEAD1
1" = 1'-0"



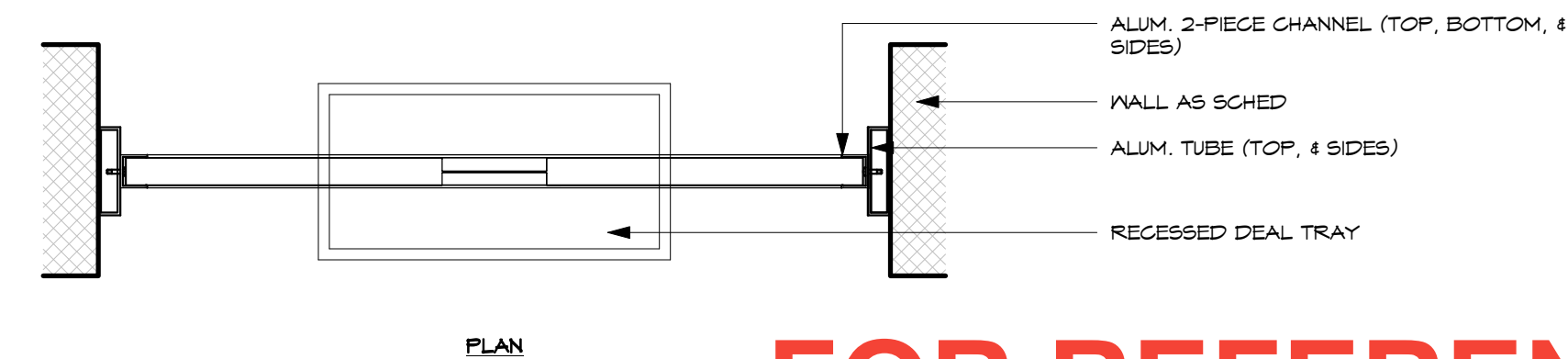
6 LOW SHELVES1
1" = 1'-0"



7 LAVATORY ADA
SCALE: 1" = 1'-0"



4 CASEWORK DETAIL1
1" = 1'-0"



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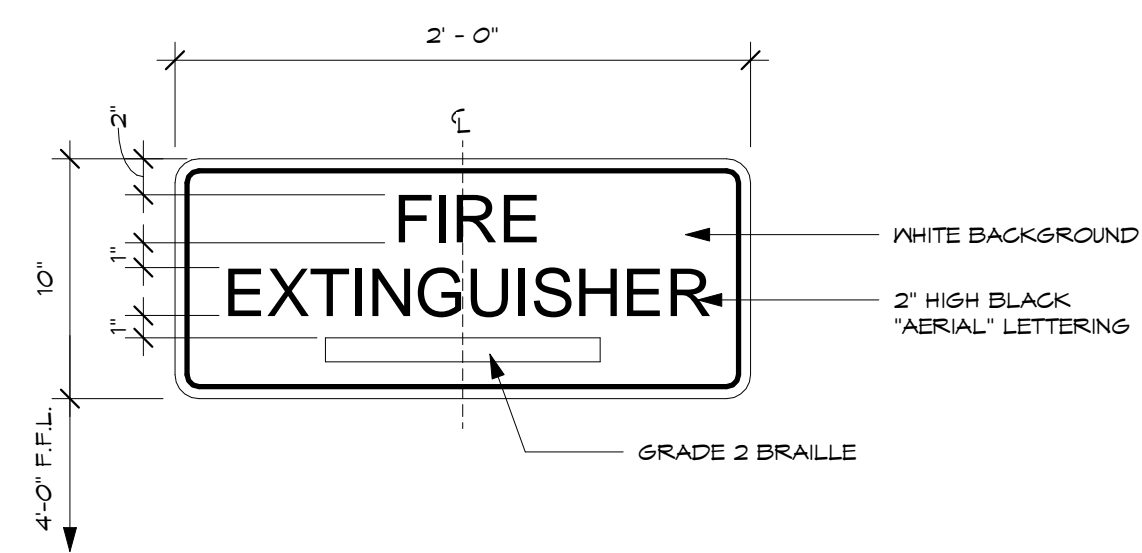
Project:
CENTRAL
POLICE PRECINCT

Title:
CASEWORK DETAILS

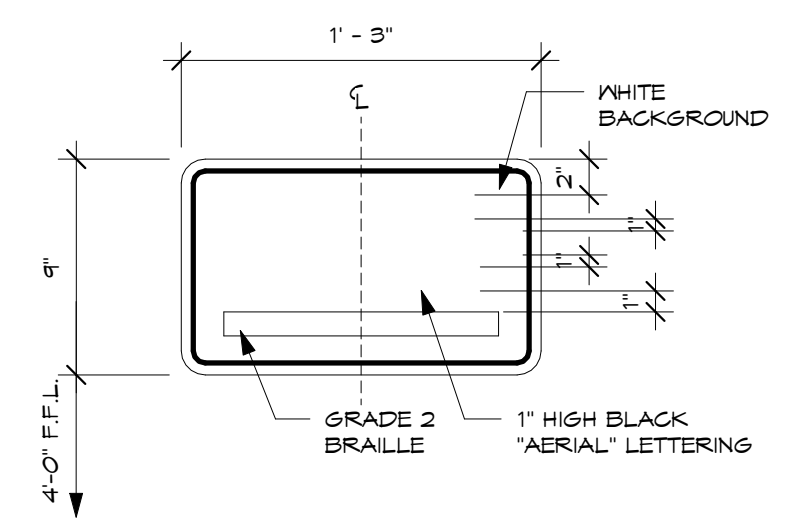
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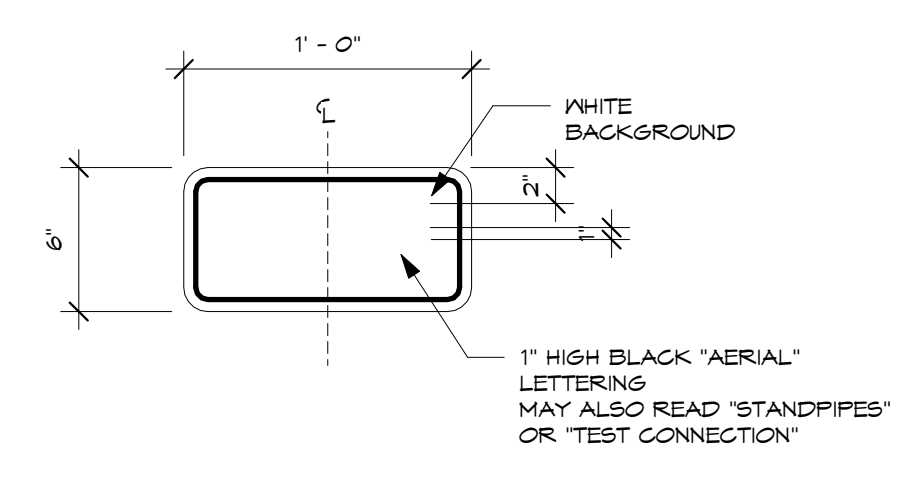
Drawing No.
A12.1
Sheet No. _____ of _____



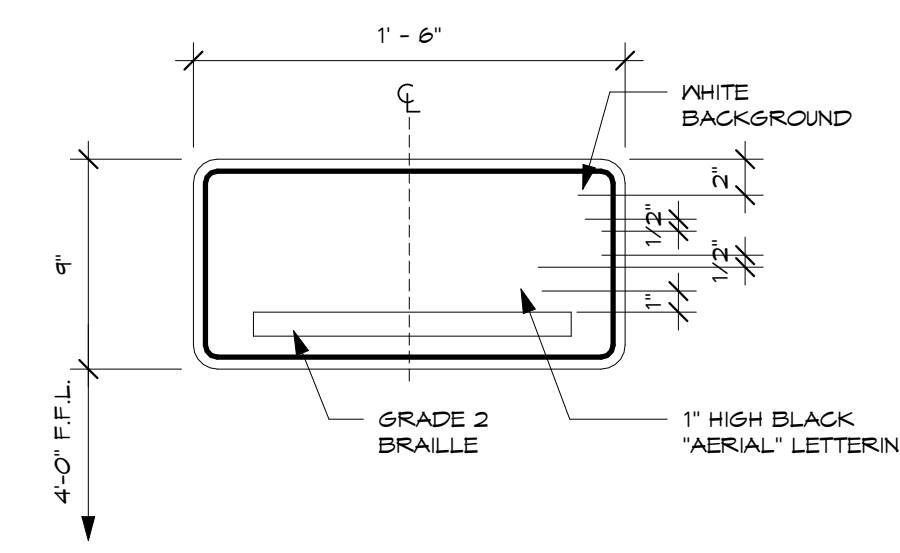
A FIRE EQUIPMENT IDENTIFICATION
SCALE: 1 1/2" = 1'-0"



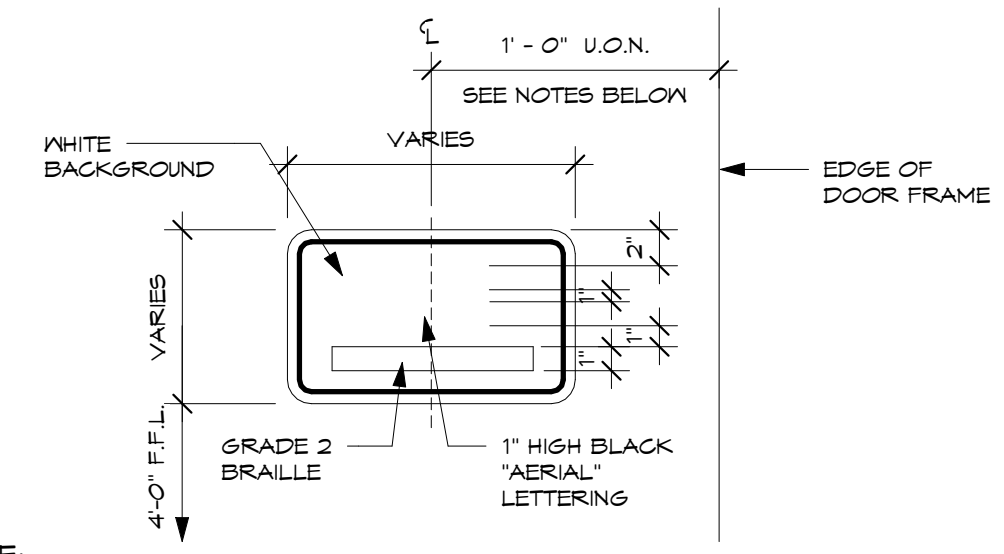
B MANUAL FIRE ALARM BOXES
SCALE: 1 1/2" = 1'-0"



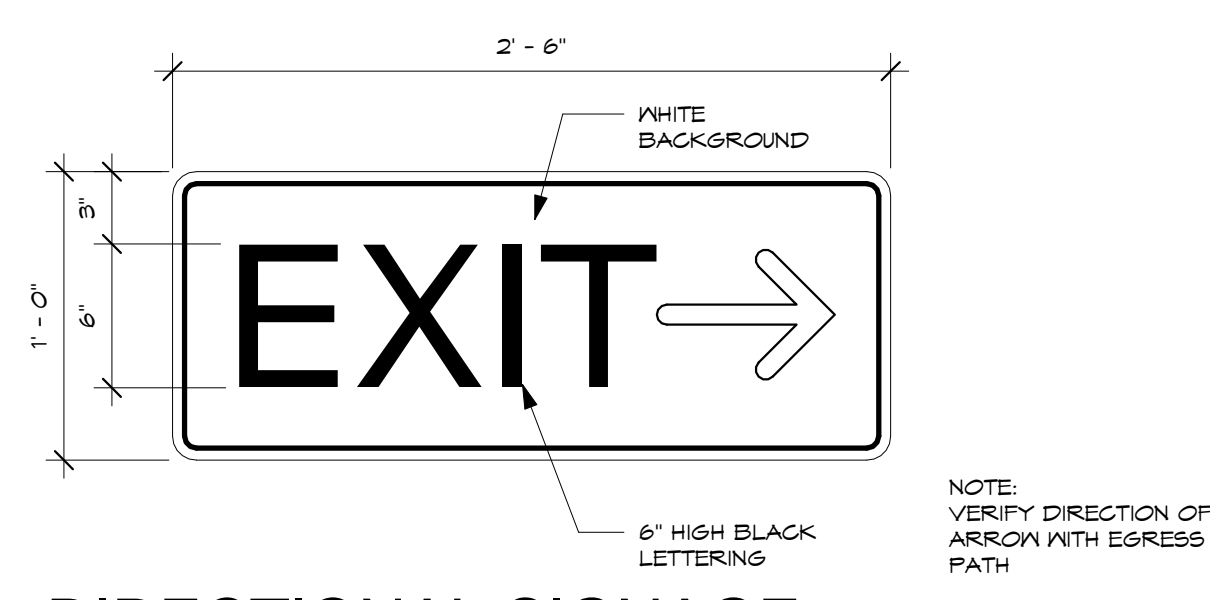
C FIRE DEPARTMENT CONNECTION
SCALE: 1 1/2" = 1'-0"



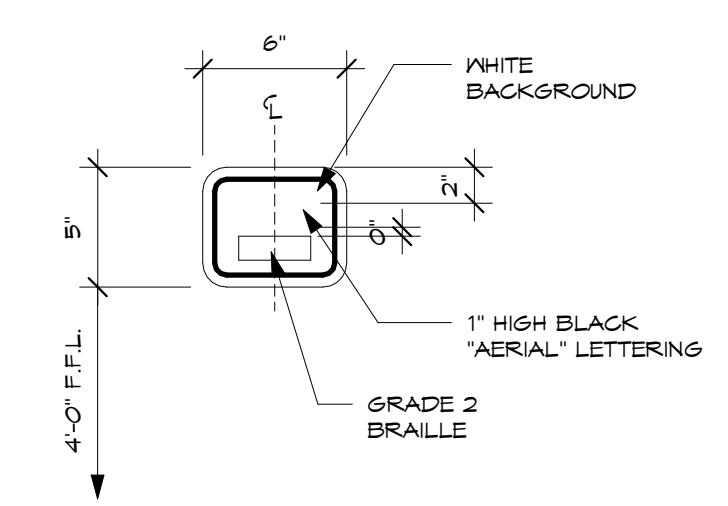
D EMERGENCY SIGN
SCALE: 1 1/2" = 1'-0"



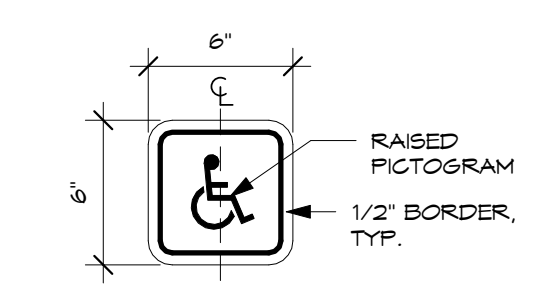
E ROOM IDENTIFICATION
SCALE: 1 1/2" = 1'-0"



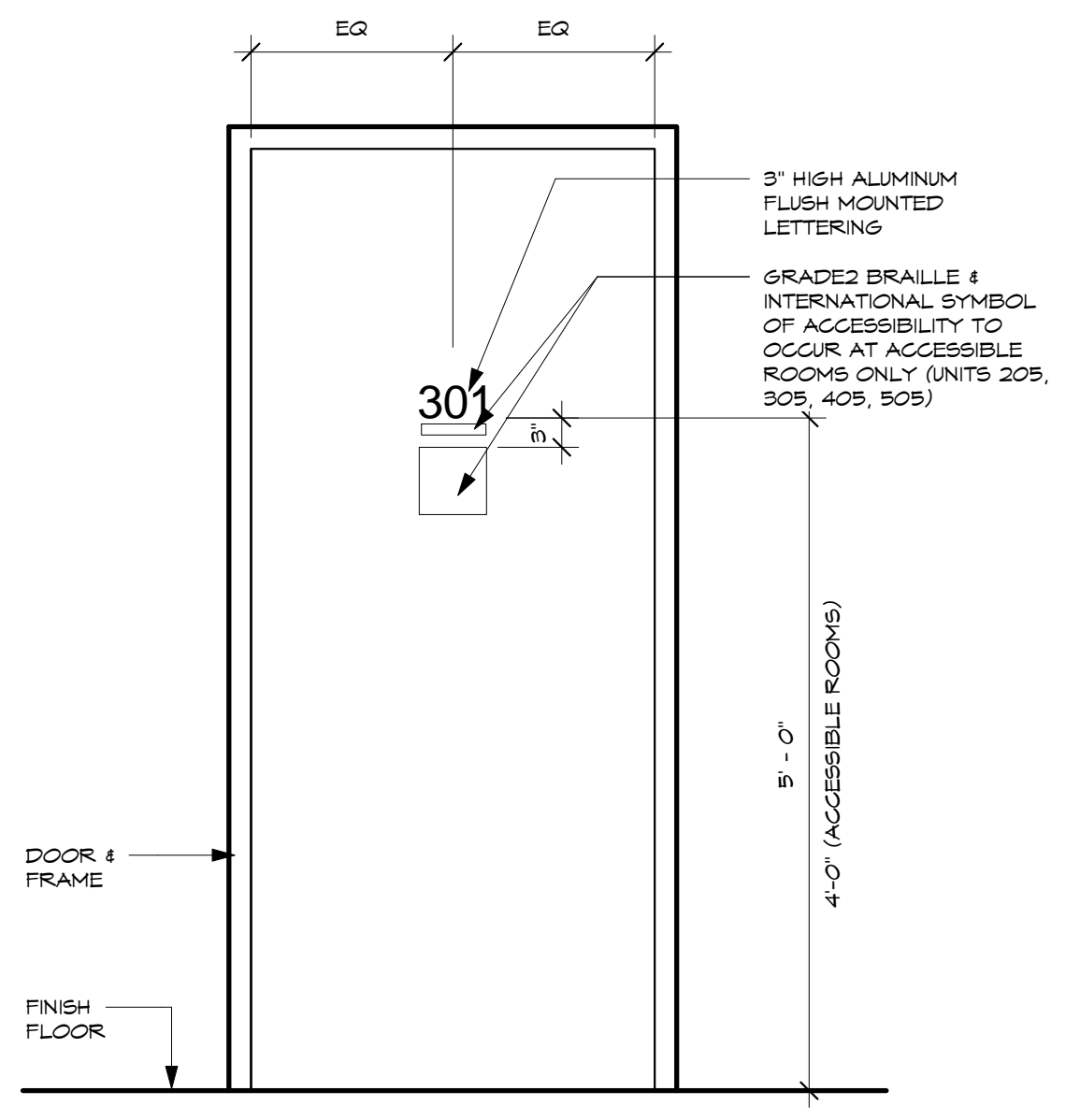
F DIRECTIONAL SIGNAGE
SCALE: 1 1/2" = 1'-0"



G TACTILE EXIT SIGNS
SCALE: 1 1/2" = 1'-0"

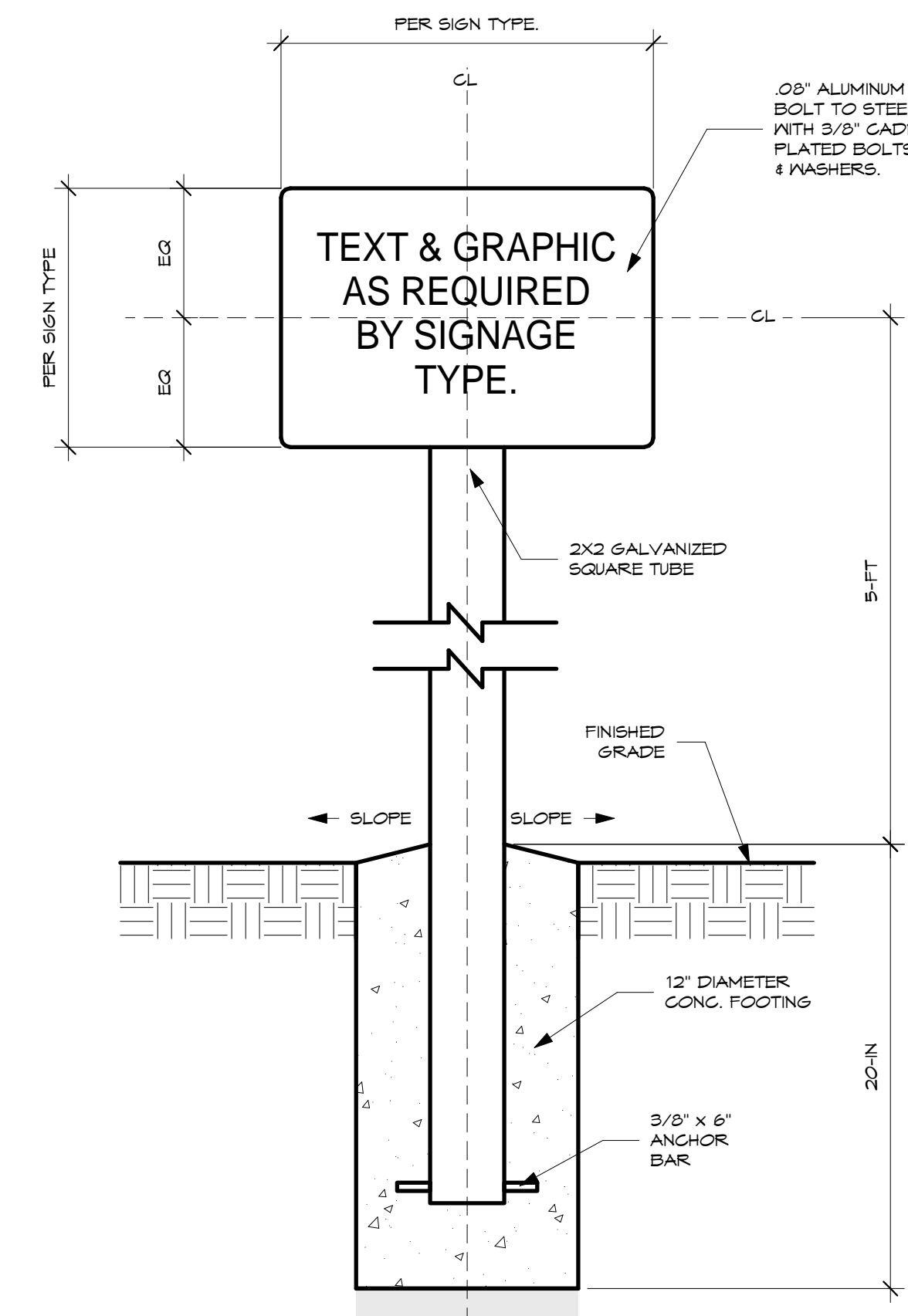


H INTERNATIONAL SYMBOL OF ACCESSIBILITY
SCALE: 1 1/2" = 1'-0"



J TYP. APT. NUMBER
SCALE: 3/4" = 1'-0"

- GENERAL NOTES:**
- LETTERS AND NUMBERS SHALL BE RAISED 1" UPPER CASE TEXT AND ACCOMPANED WITH GRADE 2 BRAILLE STYLE OF TEXT TO BE SELECTED RAISED CHARACTERS SHALL BE AT LEAST 1" HIGH, BUT NO HIGHER THAN 2" PICTOGRAMS SHALL BE 6" MIN IN HEIGHT.
 - ROOM SIGNAGE SHALL BE MOUNTED TO THE LATCH SIDE AT 5'-0" ABOVE FINISH FLOOR TO THE CENTERLINE OF ITS EQUIVALENT VERBIAGE/BRAILLE PERMANENT ROOM AND SPACE DESIGNATION. AT DOUBLE DOORS THAT SWING OUT, MOUNT SIGNAGE BEYOND THE SWING OF THE DOOR.
 - THE CHARACTERS & BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR NON-GLARE FINISH AND SHALL CONTRAST WITH THEIR BACKGROUND AS SELECTED.
 - SIGNAGE SHALL BE PROVIDED IN CONFORMANCE TO ROOM NAME INDICATED ON ROOM FINISH SCHEDULE.
 - NO-SMOKING SIGNAGE SHALL BE PROVIDED AT THE EXTERIOR OF THE BUILDING ADJACENT TO THE NORTH AND SOUTH BUILDING ENTRANCES. MOUNT 5'-0" FROM THE FINISH FLOOR LEVEL TO THE BOTTOM OF THE SIGN.



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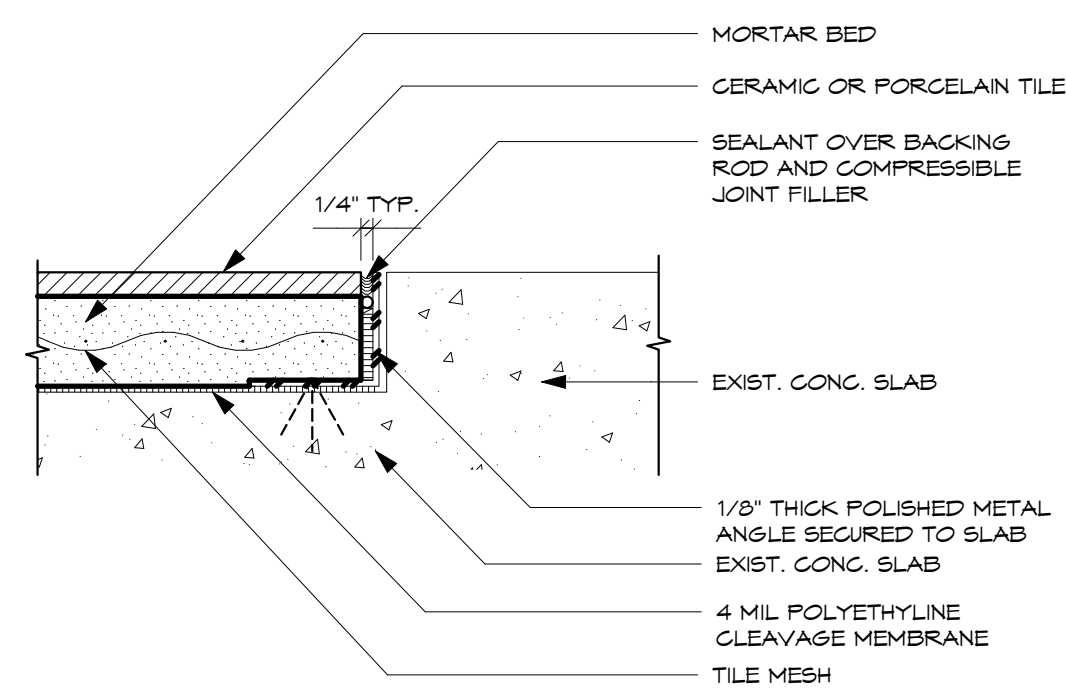
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CENTRAL
POLICE PRECINCT

Title:
SIGNAGE DETAILS

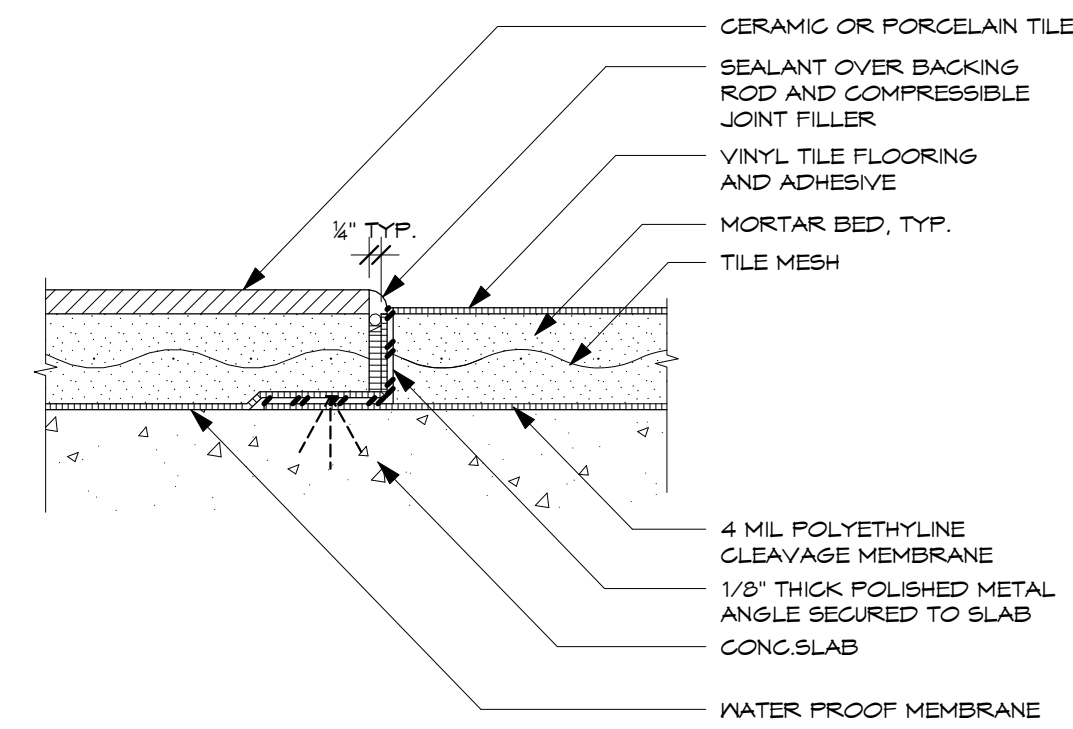
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Drawing No.

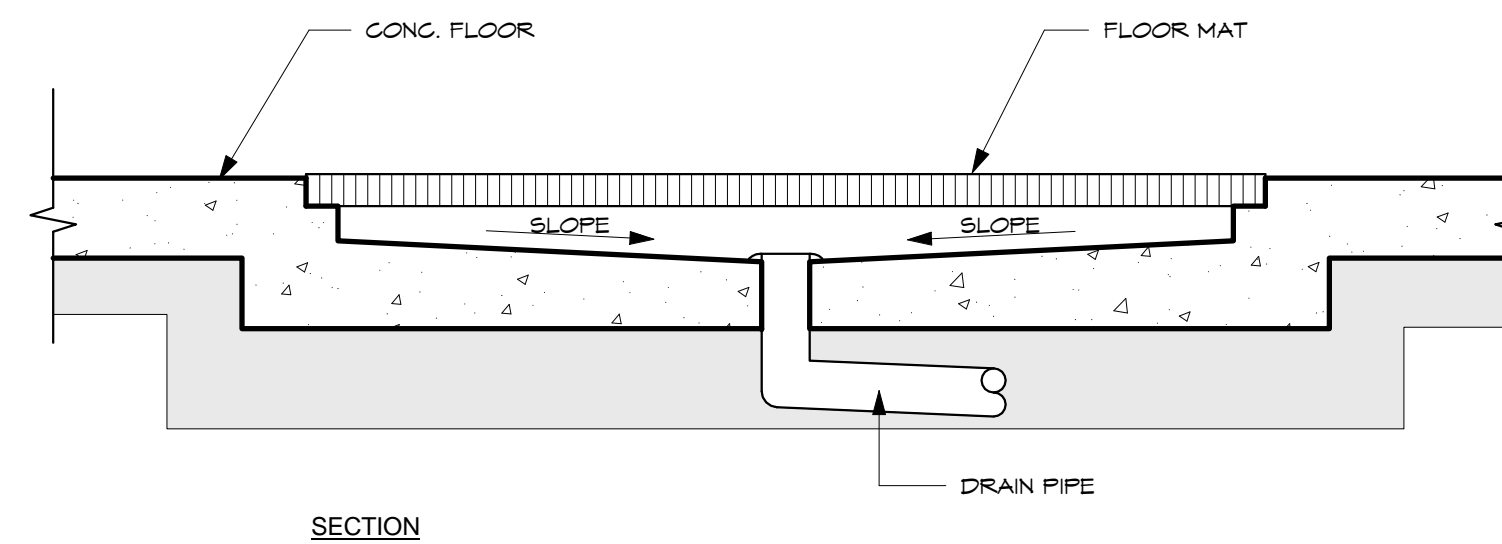
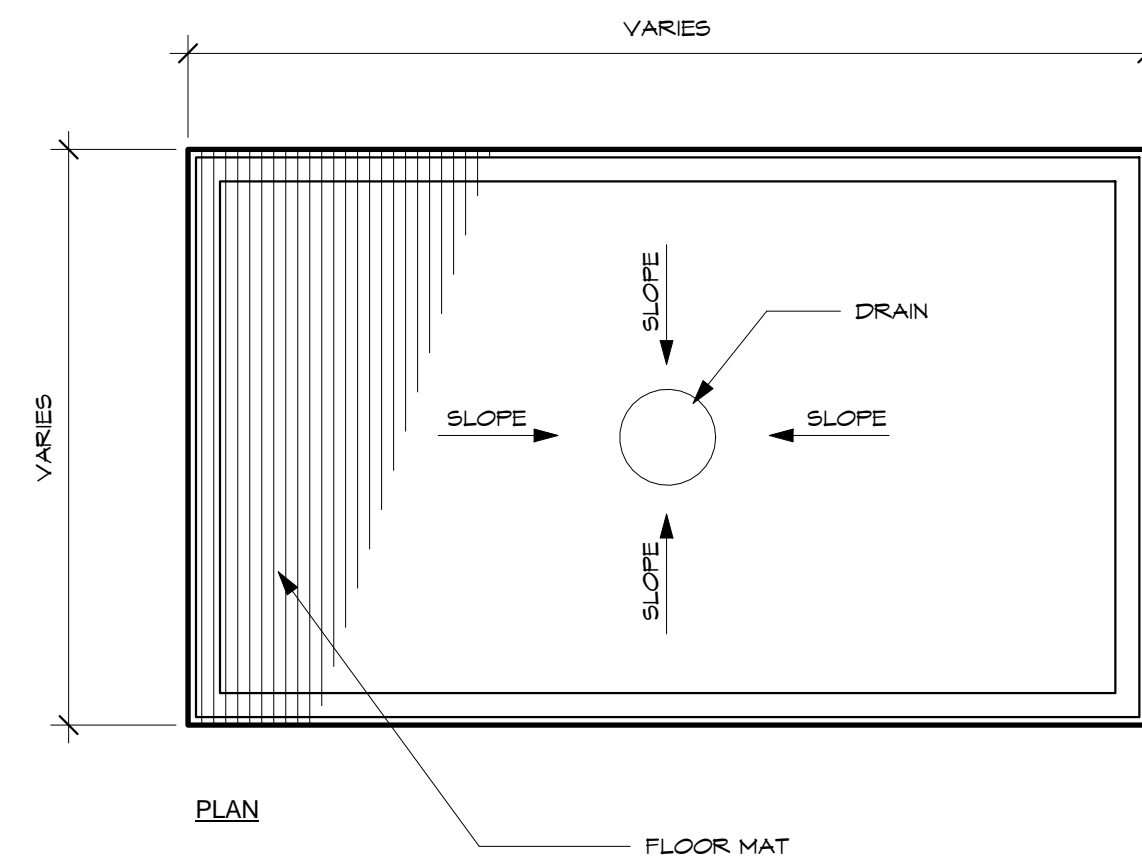
A13.1
Sheet No. _____ of _____



1
TILE TO CONG. SPACE
 SCALE: 3" = 1'-0"



2
TILE TO VINYL1
 SCALE: 3" = 1'-0"



3
FLOOR MAT & DRAIN1
 SCALE: 1" = 1'-0"

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Title:
 FLOOR DETAILS

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 Drawn: TRMA
 Checked: CTC
 Supv: CTC
 Scale: As indicated
 Date: 12/19/16
 Project No. File No.
 Drawing No.

A14.1
 Sheet No. _____ of _____

STRUCTURAL DESIGN CRITERIA

- BASIS OF DESIGN :** 2009 INTERNATIONAL BUILDING CODE, ASCE 7-05
- LIVE LOAD**
ROOF = 20 PSF
- WIND FORCE:** (ASCE 7-05)
BASIC WIND SPEED = 170 MPH
EXPOSURE CATEGORY: C
IMPORTANCE FACTOR, $I_w = 1.15$
WIND PRESSURE, $P = qz G Cp - qh (GCpi)$
GUST FACTOR, $G = 0.85$
 $Cp =$ EXTERNAL PRESSURE COEFFICIENT FROM ASCE 7-05 FIG. 6-6
 $(GCpi) =$ INTERNAL PRESSURE COEFFICIENT FROM ASCE 7-05 FIG. 6-5
VELOCITY PRESSURE, $qz = 0.00256 Kz Kzt Kd Iw V^2$ PSF
WHERE: TOPOGRAPHIC FACTOR, $Kzt = 1.0$
WIND DIRECTIONALITY FACTOR, $Kd = 0.85$
 $Kz =$ VELOCITY PRESSURE EXPOSURE COEFFICIENT FROM ASCE 7-05 TABLE 6-3
 $qh =$ THE VELOCITY PRESSURE AT MEAN ROOF HEIGHT
- SEISMIC FORCE (IBC 2009)**
ECCENTRICITY RATIO = 5%
RESPONSE MODIFICATION FACTOR, $R = 5$
OCCUPANCY IMPORTANCE FACTOR = 1.5
0.2 SECOND SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING), $Ss = 1.5 g$
1 SECOND SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING), $S1 = 0.60 g$
LONG-PERIOD TRANSITION PERIOD = 12 s
SITE CLASS: D
OCCUPANCY CATEGORY: IV
SEISMIC DESIGN CATEGORY: D
 $Sds = 1.0 g$
 $Sd1 = 0.60 g$
- REINFORCING STEEL**
UNCOATED DEFORMED BARS: ----- $FY = 60,000$ PSI
- LOAD COMBINATIONS (IBC 2009)**
DL = DEAD LOAD COMB1: 1.4 (DL) + 1.4 (L)
FL = FLOOR LIVE LOAD COMB2: 1.2 (DL) + 1.2 (L) + 1.6 (FL) + 0.5 (RL) + 1.6 (HL)
RL = ROOF LOAD COMB3: 1.2 (DL) + 1.6 (RL) + 1.0 (FL) OR 0.8 (WLX / WLY)
WL = WIND LOAD COMB4: 1.2 (DL) + 1.6 (WLX / WLY) + 1.0 (FL) + 0.5 (RL)
HL = SOIL LOAD COMB5: 1.4 (DL) + 1.0 (EQX / EQY) + 1.0 (FL)
EQ = EARTHQUAKE LOAD COMB6: 0.9 (DL) + 1.6 (WLX / WLY) + 1.6 (HL)
L = LIQUID LOAD COMB7: 0.7 (DL) + 1.0 (EQX / EQY) + 1.6 (HL)
- CONCRETE COVERING**
TOP OF ROOF SLABS ----- $1\frac{1}{2}$ "
BOTTOM OF ROOF SLABS ----- 1"
TOP & BOTTOM INTERIOR FLOOR SLABS ----- 1"
TOP & BOTTOM EXTERIOR FLOOR SLABS ----- $1\frac{1}{2}$ "
WALLS (SMALLER THAN 10") ----- $1\frac{1}{2}$ "
WALLS (10" AND WIDER) ----- 2"
WALLS W/ REVEALS (AT REVEAL SIDE ONLY) ----- REVEAL DEPTH + $1\frac{1}{2}$ "
BEAMS (12" OR SMALLER) ----- $1\frac{1}{2}$ "
BEAMS (WIDER THAN 12") ----- 2"
COLUMNS ----- 2"
FORMED FOOTINGS ----- 2"
WALLS, SLABS, AND FOOTINGS CAST AGAINST EARTH ----- 3"
- CONCRETE STRENGTH**
FOOTING: ----- $f'c = 3,000$ PSI
SLAB ON GRADE ----- $f'c = 3,000$ PSI
COLUMNS, WALLS, BEAMS, SUSPENDED SLAB ----- $f'c = 4,000$ PSI
OTHERS ----- $f'c = 4,000$ PSI
- MASONRY**
CMU WALLS ----- $f'm = 1,500$ PSI
GROUT ----- $f'c = 2,000$ PSI
ALL CELLS GROUTED. SPECIAL INSPECTION REQUIRED.
- ALLOWABLE SOIL BEARING PRESSURES:**
DL + LL DL + LL + EQ or WL
3000 PSF (ASSUMED) 4500 PSF (ASSUMED)

GENERAL STRUCTURAL NOTES

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE PROVISIONS AND MINIMUM STANDARDS OF THE 2009 INTERNATIONAL BUILDING CODE (IBC) AND ANY OTHER REGULATING AGENCIES, CODES, AND STANDARDS HAVING AUTHORITY OVER ANY PORTION OF WORK.
- "GENERAL STRUCTURAL NOTES" AND TYPICAL DETAILS SHOWN ON THESE "S0" SHEETS APPLY TO ALL STRUCTURAL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE.
- FEATURES OF CONSTRUCTION SHOWN ON THE "S0" SHEETS ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT THE STRUCTURAL DRAWINGS FOR SIMILAR CONDITIONS.
- DO NOT IMPOSE LOADS ONTO UNSUPPORTED CONCRETE MEMBER(S) BEFORE THE CONCRETE IN THOSE MEMBER(S) HAS ATTAINED THE SPECIFIED CONCRETE COMPRESSIVE STRENGTH.
- OPENINGS, NOTCHES, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE CONTRACTING OFFICER WHEN WORK REQUIRES OPENINGS, NOTCHES, POCKETS, ETC. IN STRUCTURAL MEMBERS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS.
- DRAWING DIMENSIONS SHALL NOT BE SCALED.
- BUILDING DIMENSIONS SHALL BE AS PER ARCHITECTURAL DRAWINGS UNLESS SHOWN OTHERWISE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE WORK IS BEGUN.
- SLAB ELEVATION SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS. PROVIDE SLAB DEPRESSIONS AS REQUIRED FOR VARIOUS FLOOR FINISHES.
- GEOTECHNICAL SERVICES: THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL CIVIL (GEOTECHNICAL) ENGINEER WHO IS CURRENTLY REGISTERED IN GUAM WITH EMPHASIS AND KNOWLEDGE IN THE FIELD OF GEOTECHNICAL ENGINEERING AND SHALL BE REFERRED TO AS THE "GEOTECHNICAL ENGINEER." THE SERVICES OF THE GEOTECHNICAL ENGINEER SHALL BE INCLUDED AS INCIDENTAL SERVICES COVERED UNDER THE EARTHWORK SCOPE BID ITEMS. THE CONTRACTOR SHALL BE UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER WHO SHALL DIRECTLY SUPERVISE THE SITE EXCAVATION, SUBGRADE PREPARATION, BACKFILLING, COMPACTION AND TESTING IN ACCORDANCE WITH THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT.
- THE CONTRACTOR SHALL COORDINATE ALL PENETRATIONS (I.E., PIPE PENETRATIONS, OPENINGS REQUIRED FOR EQUIPMENT, ETC.) THROUGH THE STRUCTURE BETWEEN DISCIPLINES AND IMMEDIATELY NOTIFY THE CONTRACTING OFFICER OF ANY DISCREPANCIES AND/OR CONFLICTS. ALL PENETRATIONS SHALL BE INCLUDED IN THE SHOP DRAWINGS FOR REVIEW AND APPROVAL. IF A PENETRATION WAS MISSED IN THE SHOP DRAWING AND/OR CONCRETE POUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER. THE CONTRACTOR SHALL NOT CORE OR ATTEMPT TO CHIP THE STRUCTURE TO PROVIDE FOR THIS MISSED PENETRATION WITHOUT WRITTEN CONSENT AND APPROVAL FROM THE CONTRACTING OFFICER.

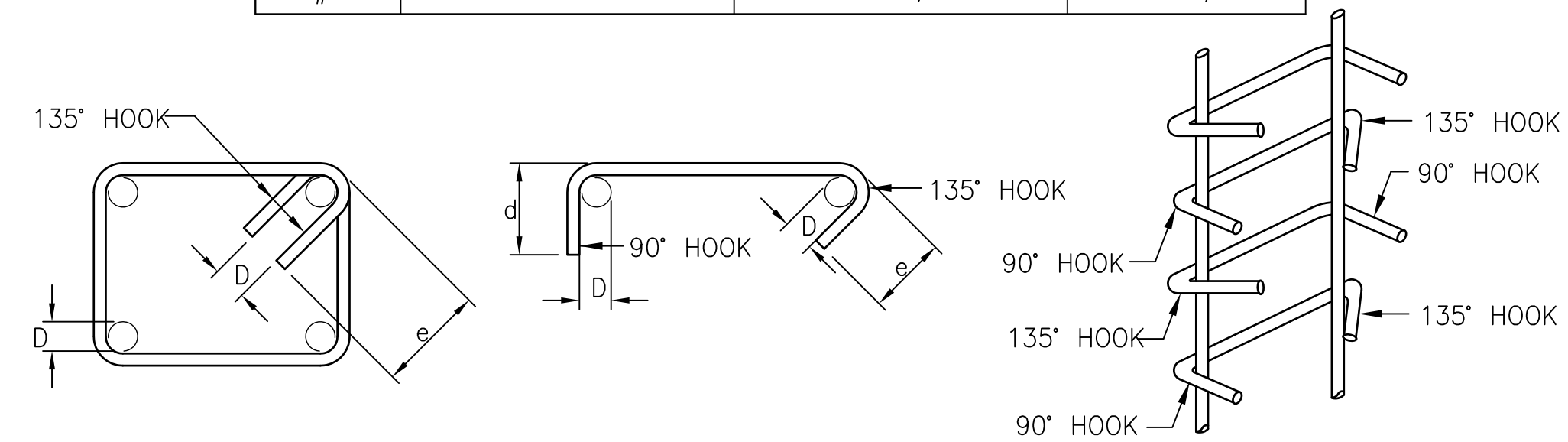
EMBEDMENT AND LAP NOTES

- PROVIDE STANDARD ACI 90 DEGREE BEND OR HOOK IF EMBEDMENT LENGTH IS LESS THAN REQUIRED MINIMUM AS SHOWN IN TABLE. REINFORCEMENT IN WALLS, SLAB, BEAM, ETC. SHALL BE EMBEDDED INTO SUPPORTING OR INTERSECTING STRUCTURAL ELEMENTS.
- TOP BARS ARE DEFINED WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LAP OR SPLICE.
- FOR SLABS, LOCATE LAPS WITHIN THE MIDDLE THIRD OF THE SPANS FOR TOP BARS AND AT SUPPORTS FOR BOTTOM BARS. USE "CLASS A" SPLICE IF LAPS ARE STAGGERED. OTHERWISE USE "CLASS B" SPLICE.
- FOR WALLS, LOCATE LAPS AS SHOWN ON DETAILS AND USE "CLASS B" SPLICE. FOR DOUBLE CURTAIN REINFORCEMENT, STAGGER LOCATION OF LAP FROM ONE CURTAIN TO ANOTHER.
- FOR BEAMS AND COLUMNS, LOCATE LAPS AS SHOWN IN DETAILS. USE "CLASS B" SPLICES UNLESS NOTED OTHERWISE.
- FOR DEVELOPMENT LENGTH FOR INDIVIDUAL BARS WITHIN A BUNDLE, THE DEVELOPMENT LENGTH SHALL BE THAT OF THE INDIVIDUAL BAR, INCREASE 20 PERCENT FOR THE THREE-BAR BUNDLES AND 33 PERCENT FOR THE FOUR BAR BUNDLES.

STANDARD HOOKS IN TENSION SCHEDULE

ACI 318-08 (SECTION 7.1.3) MINIMUM DEVELOPMENT REQUIREMENTS OF HOOPS AND CROSS TIES ($f_y=60,000$ psi FOR UNCOATED OR GALVANIZED COATED DEFORMED BARS)

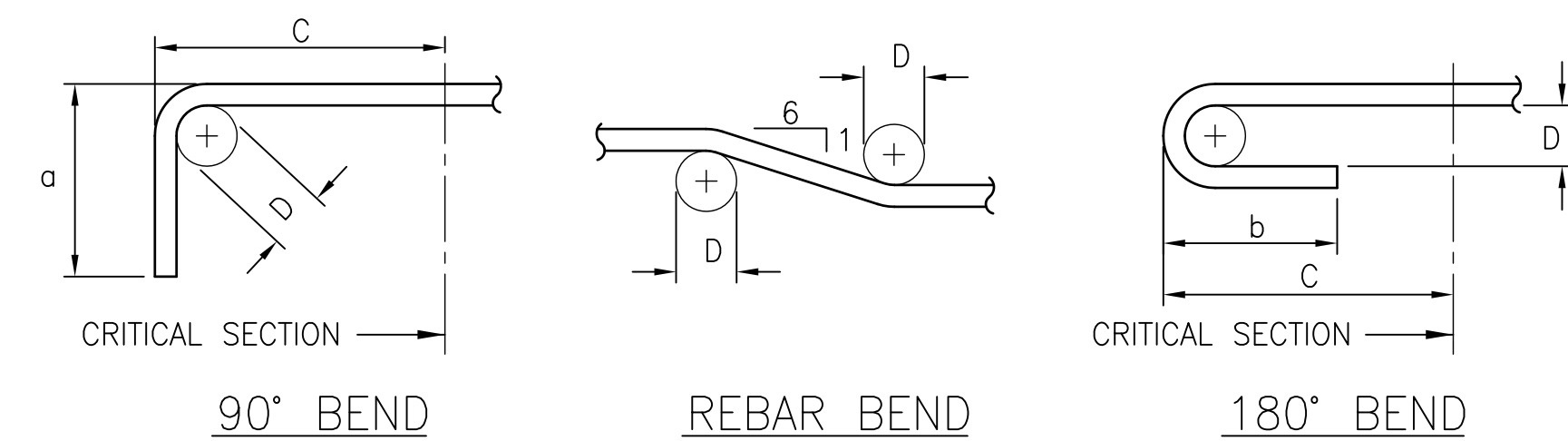
BAR SIZE	MINIMUM HOOK LENGTH (HL) REQUIREMENTS (INCHES)		MINIMUM BEND DIAMETER (D) (INCHES)
	90° (d)	135° (e)	
#3	4 1/4	4 1/4	1 1/2
#4	4 1/2	4 1/2	2
#5	5 3/4	5 3/4	2 1/2
#6	12	7 1/2	4 1/2
#7	14	8 3/4	5 1/4



HOOPS AND CROSS TIES SCHEDULE

ACI 318-08 MINIMUM DEVELOPMENT REQUIREMENTS OF STANDARD HOOKS IN TENSION ($f_y=60,000$ psi FOR UNCOATED OR GALVANIZED COATED DEFORMED BARS)

BAR SIZE	MINIMUM HOOK LENGTH (HL) REQUIREMENTS (INCHES)		$l_{dh} = "c"$ (DEVELOPMENT LENGTH REQUIREMENT FROM CRITICAL SECTION) (INCHES)		MINIMUM BEND DIAMETER (D) (INCHES)
	90° (a)	180° (b)	3000 psi (c)	4000 psi (c)	
#3	6	4	9	8	2 1/4
#4	8	4 1/2	11	10	3
#5	10	5	14	12	3 3/4
#6	12	6	17	15	4 1/2
#7	14	7	20	17	5 1/4



EMBEDMENT AND LAP SCHEDULE

ACI 318-08 MINIMUM DEVELOPMENT (EMBEDMENT AND LAP REQUIREMENTS) ($f_y=60,000$ psi FOR UNCOATED OR GALVANIZED COATED DEFORMED BARS)

BAR SIZE	MINIMUM EMBEDMENT REQUIREMENTS (INCHES)		MINIMUM LAP REQUIREMENTS (INCHES)										
			CLASS "A" SPLICE				CLASS "B" SPLICE				BAR SIZE		
	$f'c = 3000$ psi	$f'c = 4000$ psi	$f'c = 3000$ psi	$f'c = 4000$ psi	$f'c = 3000$ psi	$f'c = 4000$ psi	$f'c = 3000$ psi	$f'c = 4000$ psi	$f'c = 3000$ psi	$f'c = 4000$ psi			
#3	22	17	17	15	22	17	19	15	28	22	25	19	#3
#4	29	22	23	19	29	22	23	19	38	29	33	25	#4
#5	36	28	31	24	36	28	31	24	47	36	41	31	#5
#6	43	33	37	29	43	33	37	29	56	43	49	37	#6
#7	63	48	52	42	63	48	52	42	81	63	71	52	#7

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REVISIONS

No.	Description	Date

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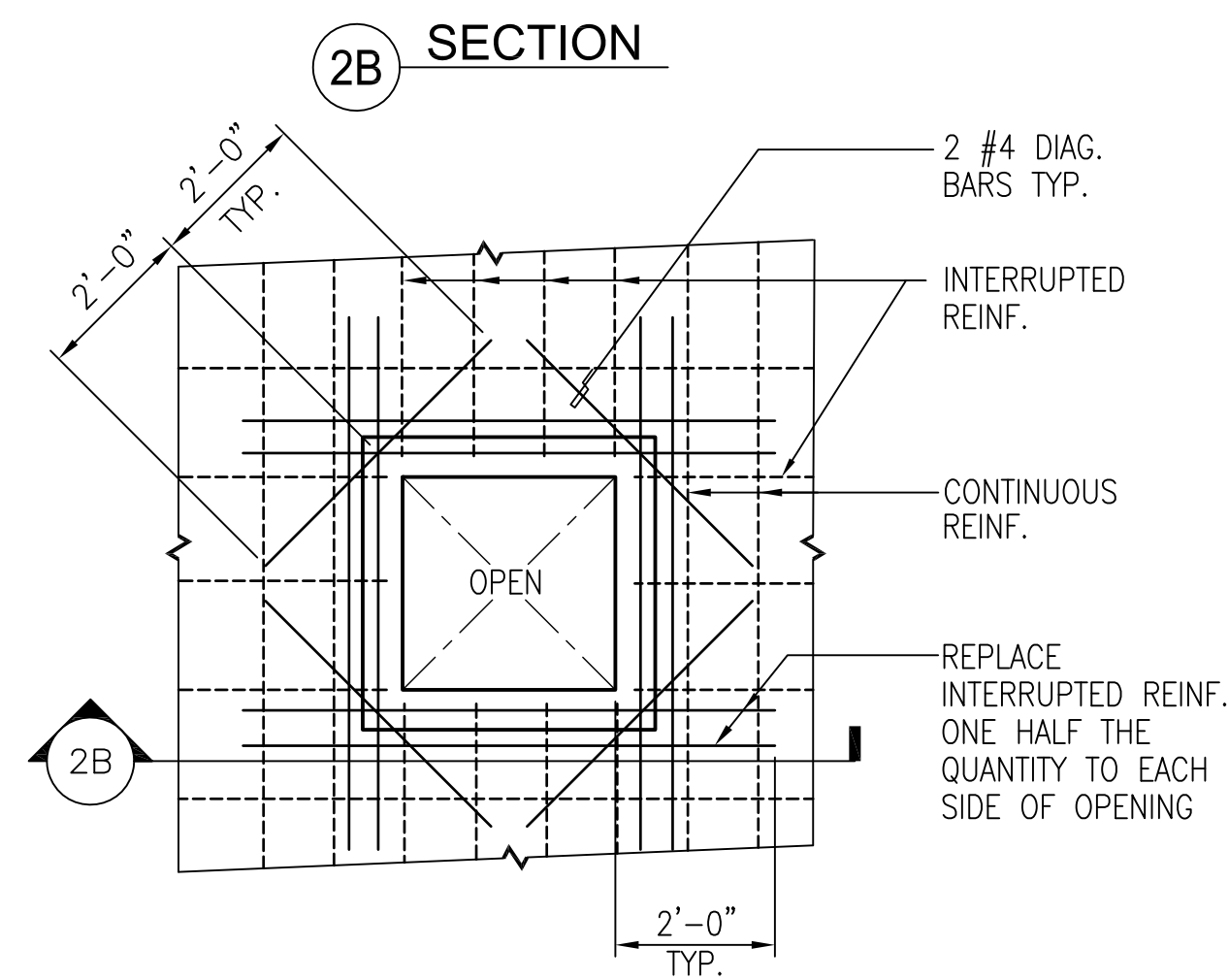
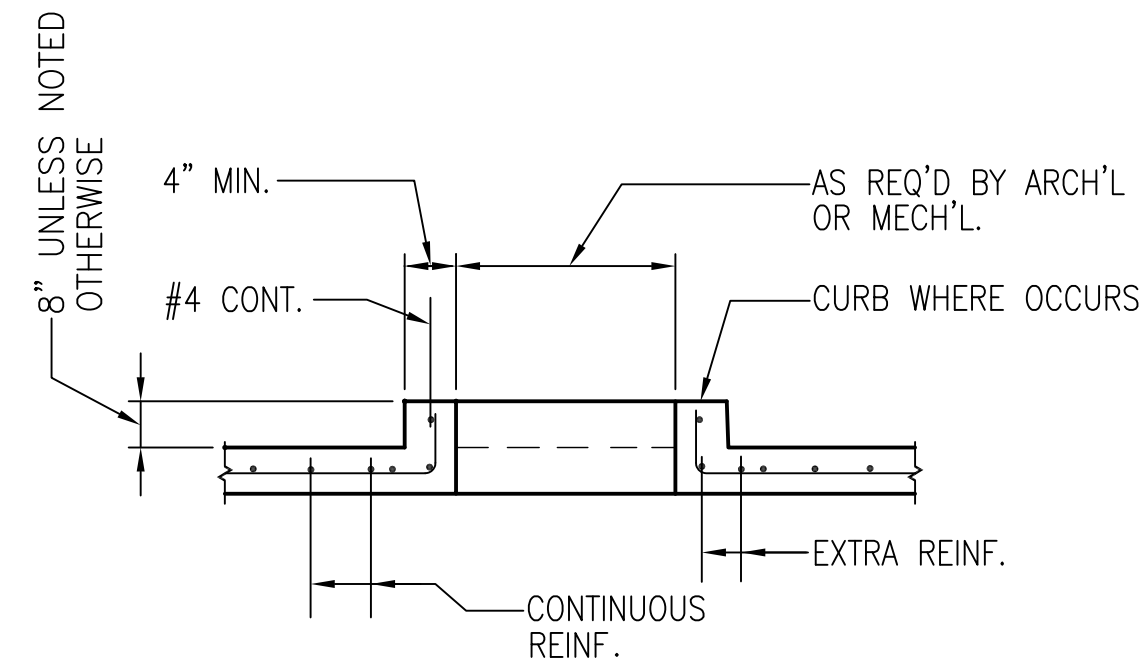
Project:
CENTRAL POLICE PRECINCT

Title:
STRUCTURAL DESIGN CRITERIA GENERAL NOTES, REINFORCING SCHEDULE AND TYP. DETAILS

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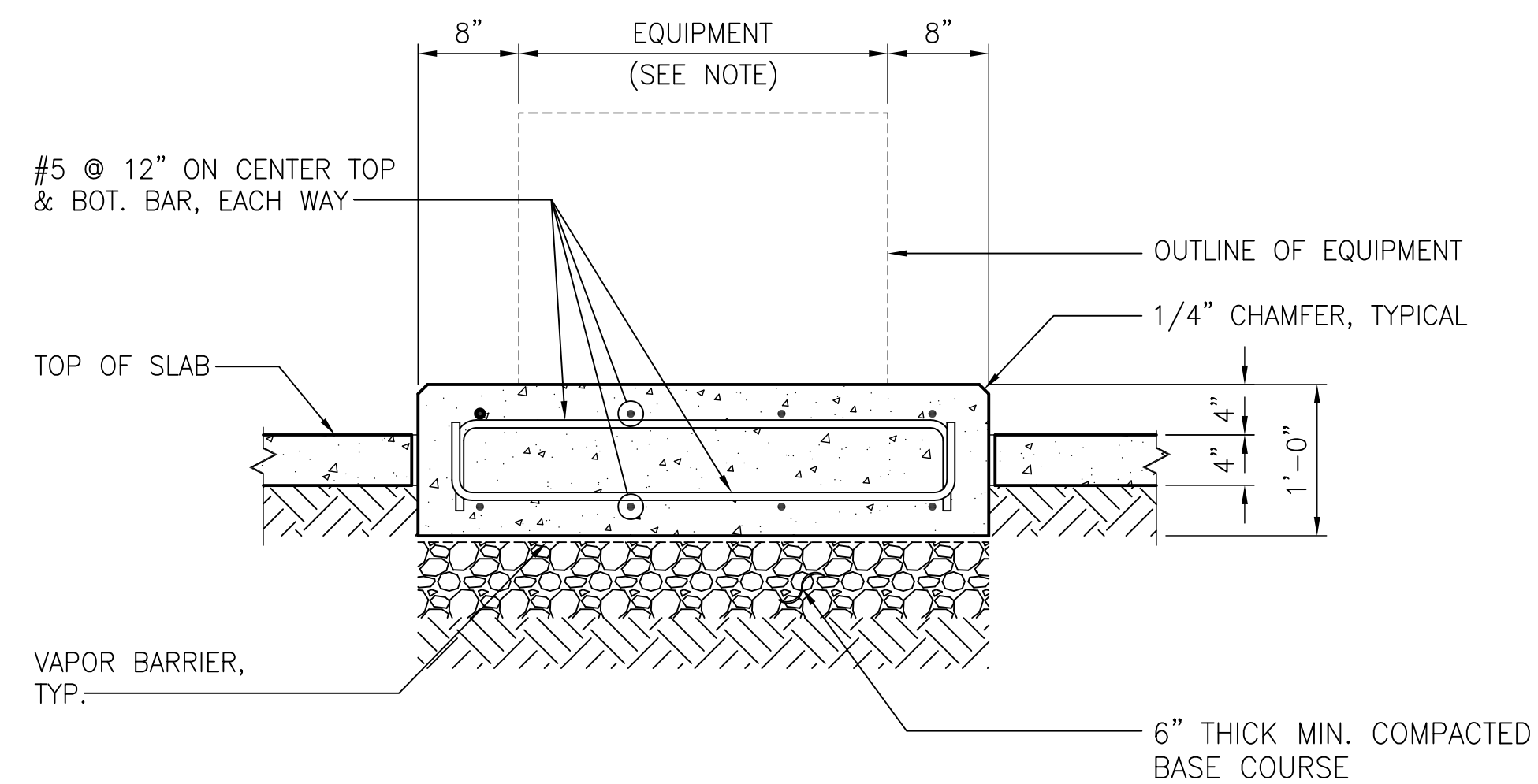
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S0.1
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2A PLAN

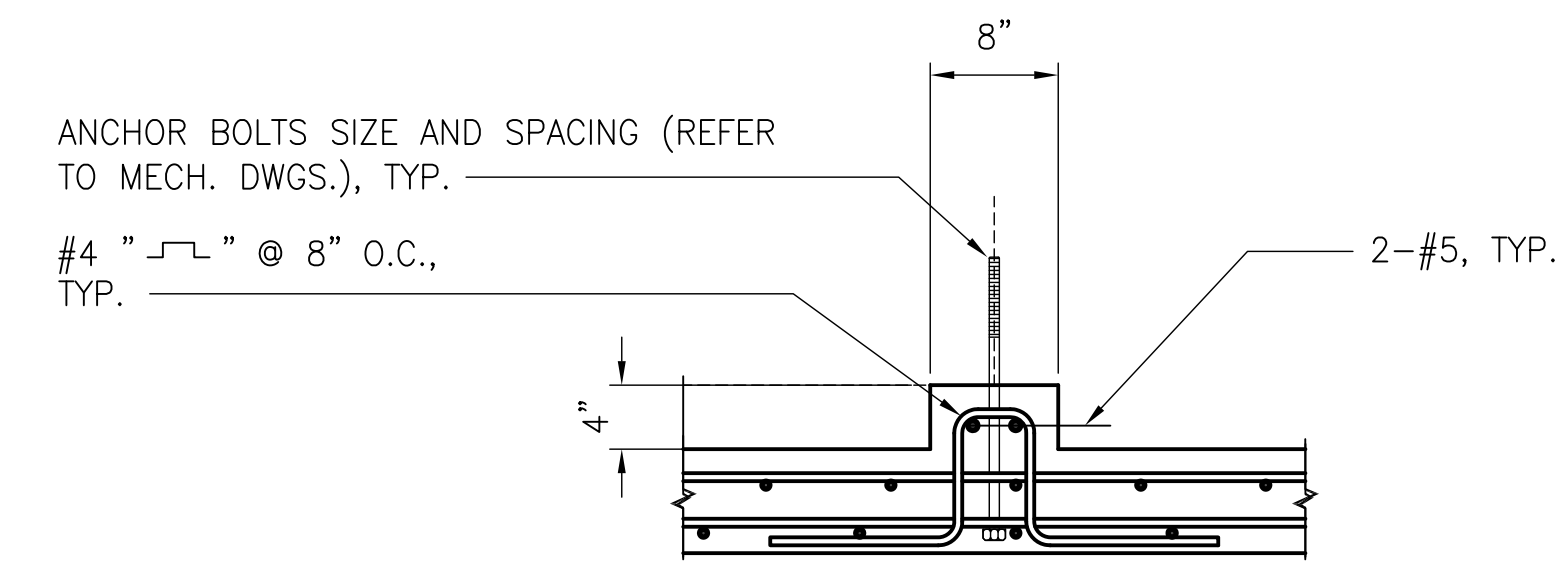
2 TYPICAL SUSPENDED SLAB OPENING DETAIL
NTS



1 TYP. EQUIPMENT PAD ON GRADE DETAIL
NTS

NOTE:

1. REFER TO MECHANICAL OR ELECTRICAL DWGS. FOR EXACT SIZE OF CONCRETE EQUIPMENT PAD. CONCRETE PAD TO EXTEND 8" AROUND EQUIPMENT TYPICAL, UNLESS NOTED OTHERWISE.
2. EQUIPMENT ANCHOR SHALL BE PER EQUIPMENT MANUFACTURER'S RECOMMENDATION.



3A @ SUSPENDED SLAB

3 TYP. EQUIPMENT PAD RUNNER DETAIL
NTS

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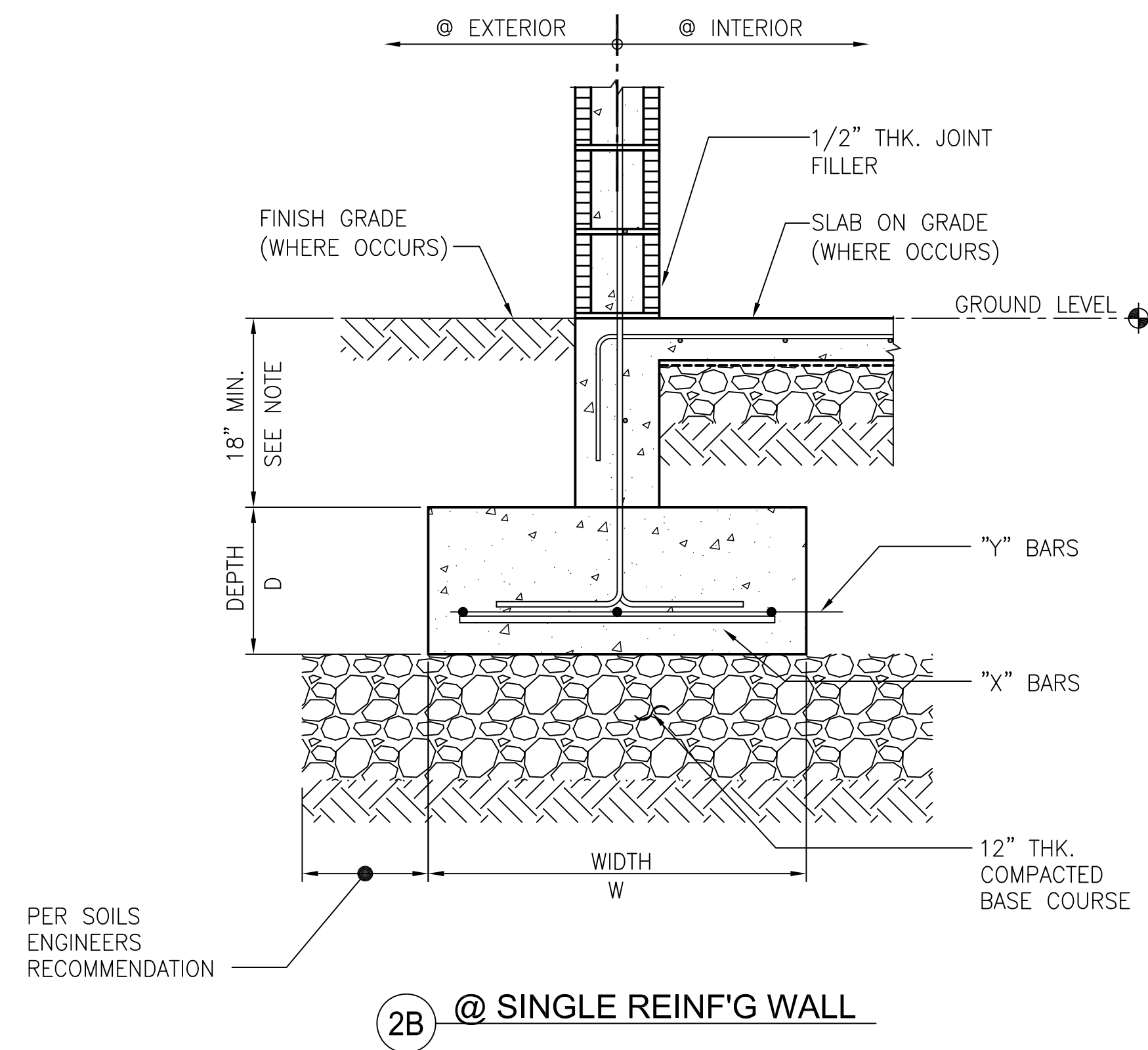
Title:
TYPICAL DETAIL

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Drawing No.

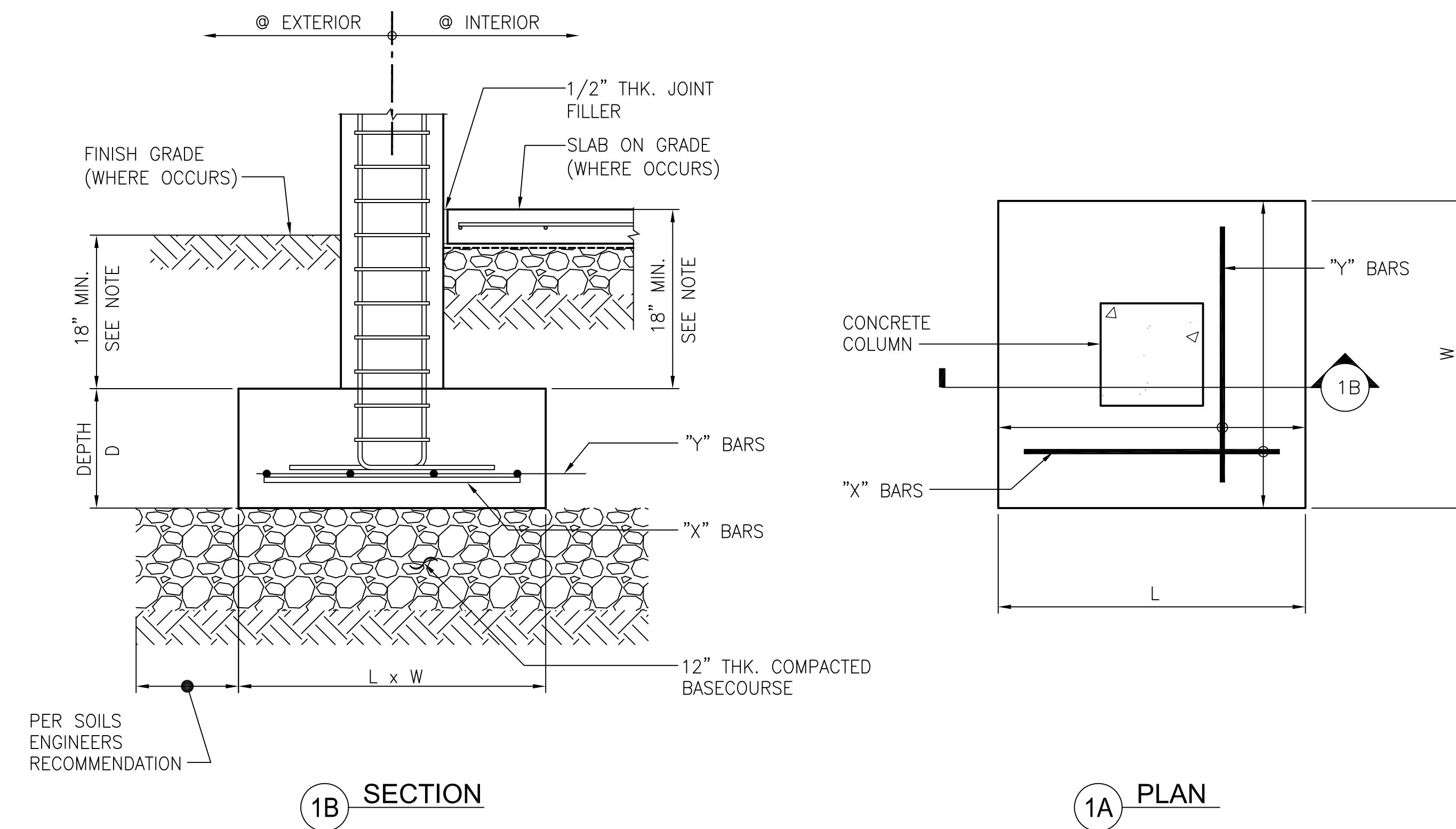
S0.4

WALL FOOTING SCHEDULE					
FOOTING MARK	WIDTH " W "	DEPTH (D)	REINFORCEMENT		REMARKS
			"X" BARS	"Y" BARS	
WF2	2'-0"	12"	#5 @ 12" O.C.	2-#5	
WF2.5	2'-6"	12"	#5 @ 12" O.C.	3-#5	
WF3	3'-0"	12"	#5 @ 12" O.C.	3-#5	



2 TYP. WALL FOOTING "WF" DETAIL
NTS

COLUMN FOOTING SCHEDULE						
FOOTING MARK	SIZE (L x W)	DEPTH (INCHES)	REINFORCEMENT			REMARKS
			"X" BARS	"Y" BARS		
CF2.5	2'-6" X 2'-6"	12"	3 - #5	3 - #5		



1 TYP. COLUMN FOOTING "CF" DETAIL
NTS

NOTE:
1. MINIMUM FOOTING EMBEDMENT DEPTH TO BE MEASURED FROM FINISH GRADE OR TOP OF SLAB WHICH EVER IS LOWER, UNLESS SHOWN OTHERWISE ON STRUCTURAL DRAWINGS.

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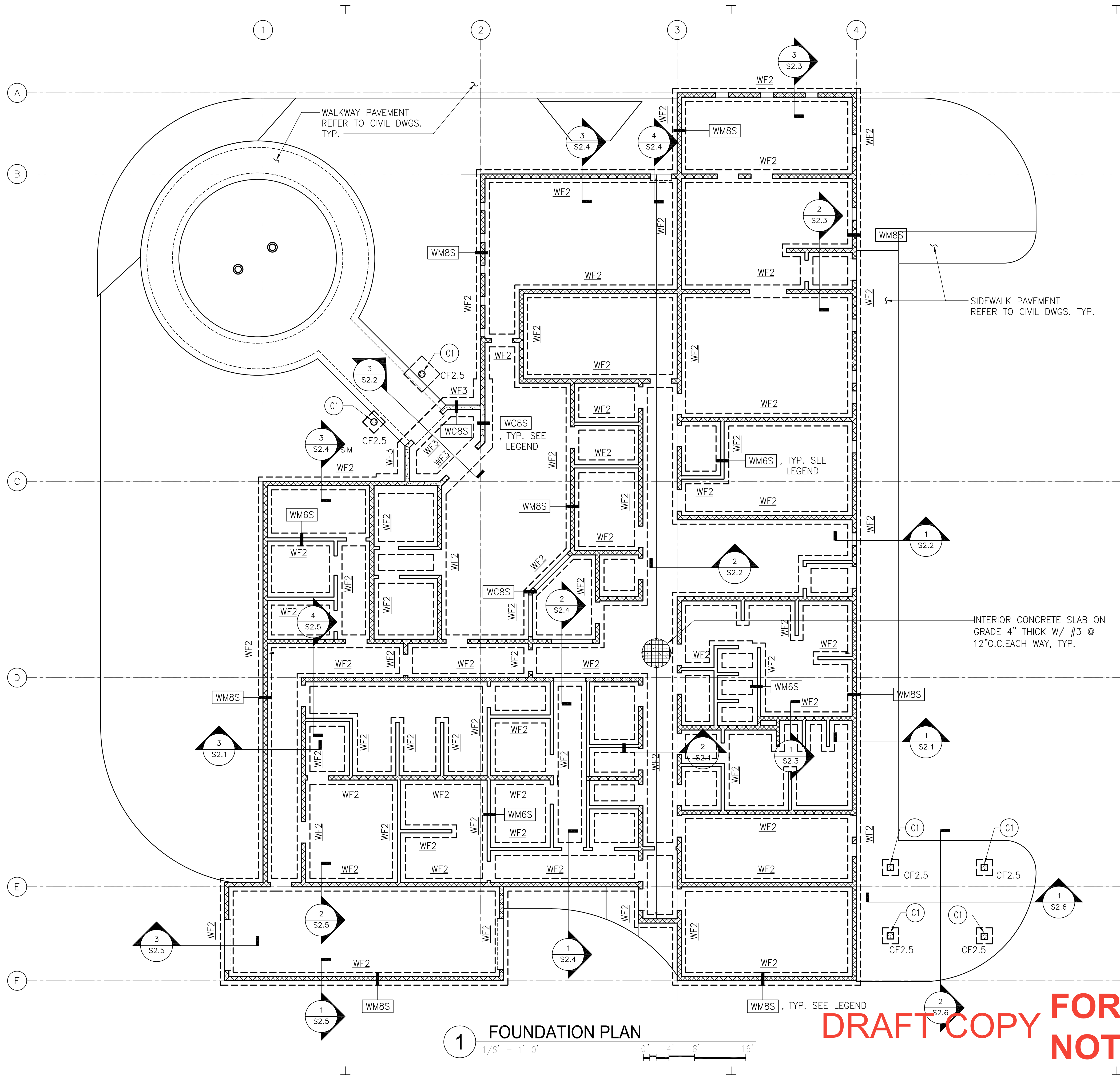
Title:
TYP. COLUMN AND WALL
FOOTING SCHEDULE & DETAIL

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FOUNDATION LEGENDS:

- (C1) COLUMN DESIGNATION, SEE SHEET S0.7
- (CF) COLUMN FOOTING DESIGNATION, SEE SHEET S0.5
- WM6S WALL DESIGNATION, SEE SHEETS S0.6
- WM8S WALL DESIGNATION, SEE SHEETS S0.6
- WC8S WALL DESIGNATION, SEE SHEETS S0.6
- WF WALL FOOTING DESIGNATION, SEE SHEET S0.5

NOTES:

1. REFER TO SHEET "S0.1" FOR GENERAL STRUCTURAL NOTES, AND REBAR SCHEDULES.
2. REFER TO SHEET "S0.2" FOR TYPICAL CAST-IN-PLACE/CMU WALL OPENING DETAILS, TYPICAL CMU CONNECTION DETAILS, AND TYPICAL SLAB ON GRADE DETAILS.

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Title:
 FOUNDATION PLAN

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 Drawing No.

S1.1
 Sheet No. of

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LEGENDS:

- WC6S WALL DESIGNATION, SEE SHEETS S0.6
- WC8S WALL DESIGNATION, SEE SHEETS S0.6
- RB2 CONCRETE BEAM SCHEDULE AND DETAIL, SEE SHEET S0.8
- RB3 CONCRETE BEAM SCHEDULE AND DETAIL, SEE SHEET S0.8

NOTES:

1. REFER TO SHEET "S0.1" FOR GENERAL STRUCTURAL NOTES, AND REBAR SCHEDULES.
2. REFER TO SHEET "S0.2" FOR TYPICAL SLAB REINFORCING DESIGNATION.
3. REFER TO SHEET "S0.4" FOR TYPICAL SUSPENDED SLAB OPENING DETAIL.

1 LOWER ROOF FRAMING PLAN
 1/8" = 1'-0"
 0" 4" 8" 16"

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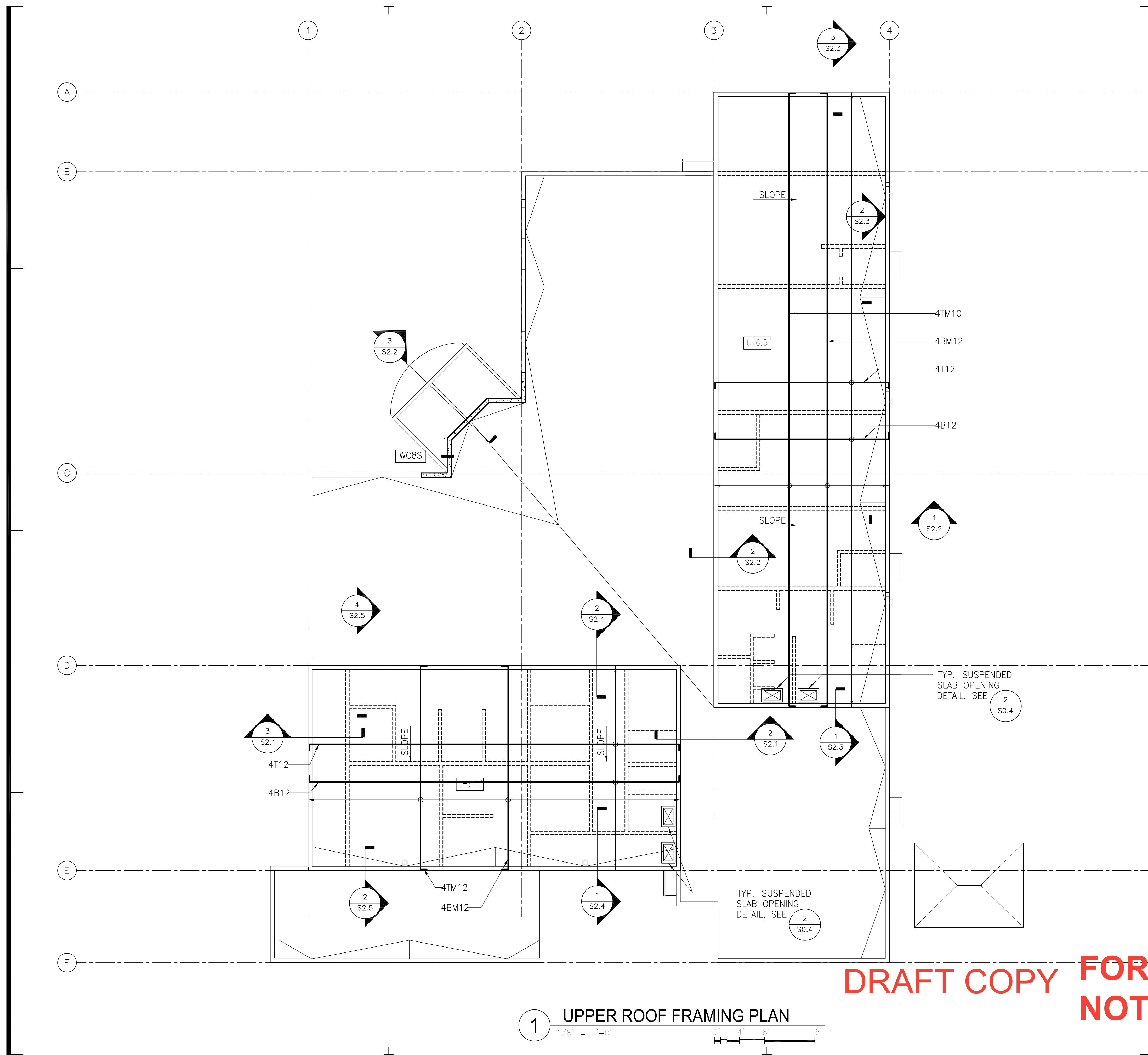
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ROOF FRAMING PLAN

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S1.2
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LEGENDS:

- WC8S** WALL SCHEDULE AND DETAIL, SEE SHEETS S0.6
- RB1** CONCRETE BEAM SCHEDULE AND DETAIL, SEE SHEET S0.8

NOTES:

1. REFER TO SHEET "S0.1" FOR GENERAL STRUCTURAL NOTES, AND REBAR SCHEDULES.
2. REFER TO SHEET "S0.2" FOR TYPICAL SLAB REINFORCING DESIGNATION.
3. REFER TO SHEET "S0.4" FOR TYPICAL SUSPENDED SLAB OPENING DETAIL.

REVISIONS		
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UPPER ROOF FRAMING PLAN

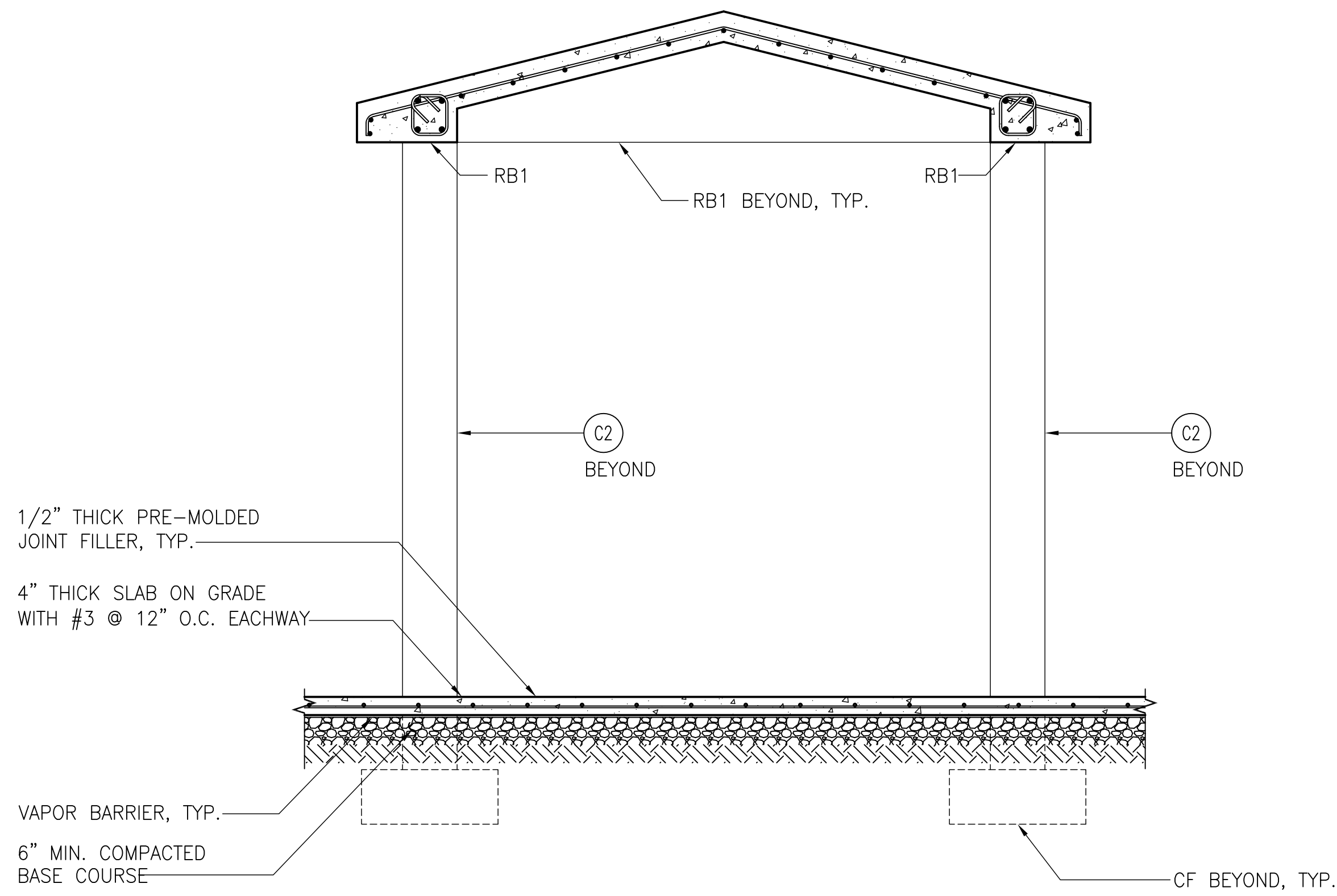
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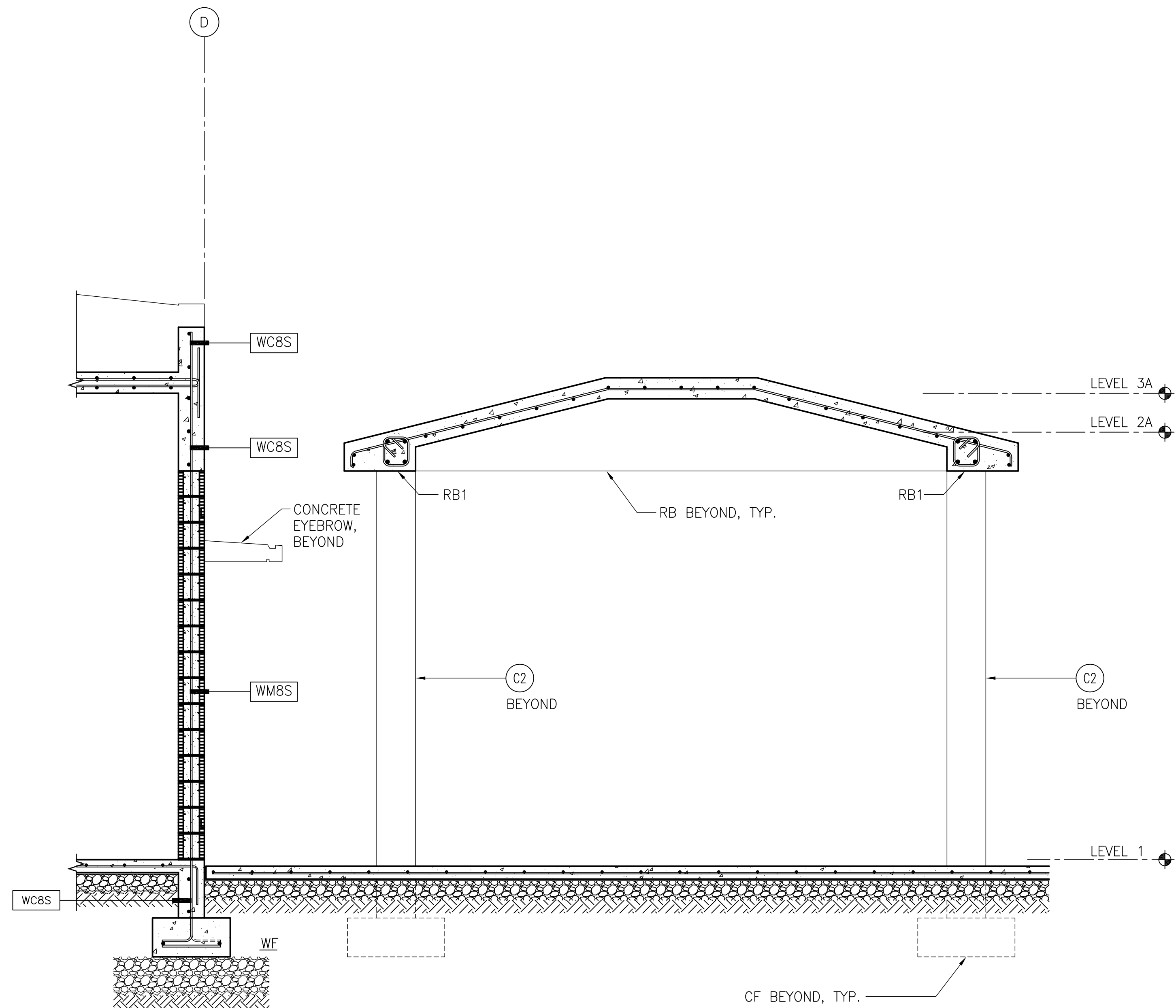
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2 SECTION
 1/2" = 1'-0"
 0" 1" 2" 4"



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

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LEGENDS:

- C2 COLUMN DESIGNATION, SEE SHEET S0.7
- WCBS WALL SCHEDULE AND DETAILS, SEE SHEETS S0.6
- WMBS WALL SCHEDULE AND DETAILS, SEE SHEETS S0.6
- CF COLUMN FOOTING SCHEDULE AND DETAILS, SEE S0.5
- WF WALL FOOTING SCHEDULE AND DETAILS, SEE SHEET S0.5

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 Tel.: (671) 475-8772 • Fax.: (671) 472-3381

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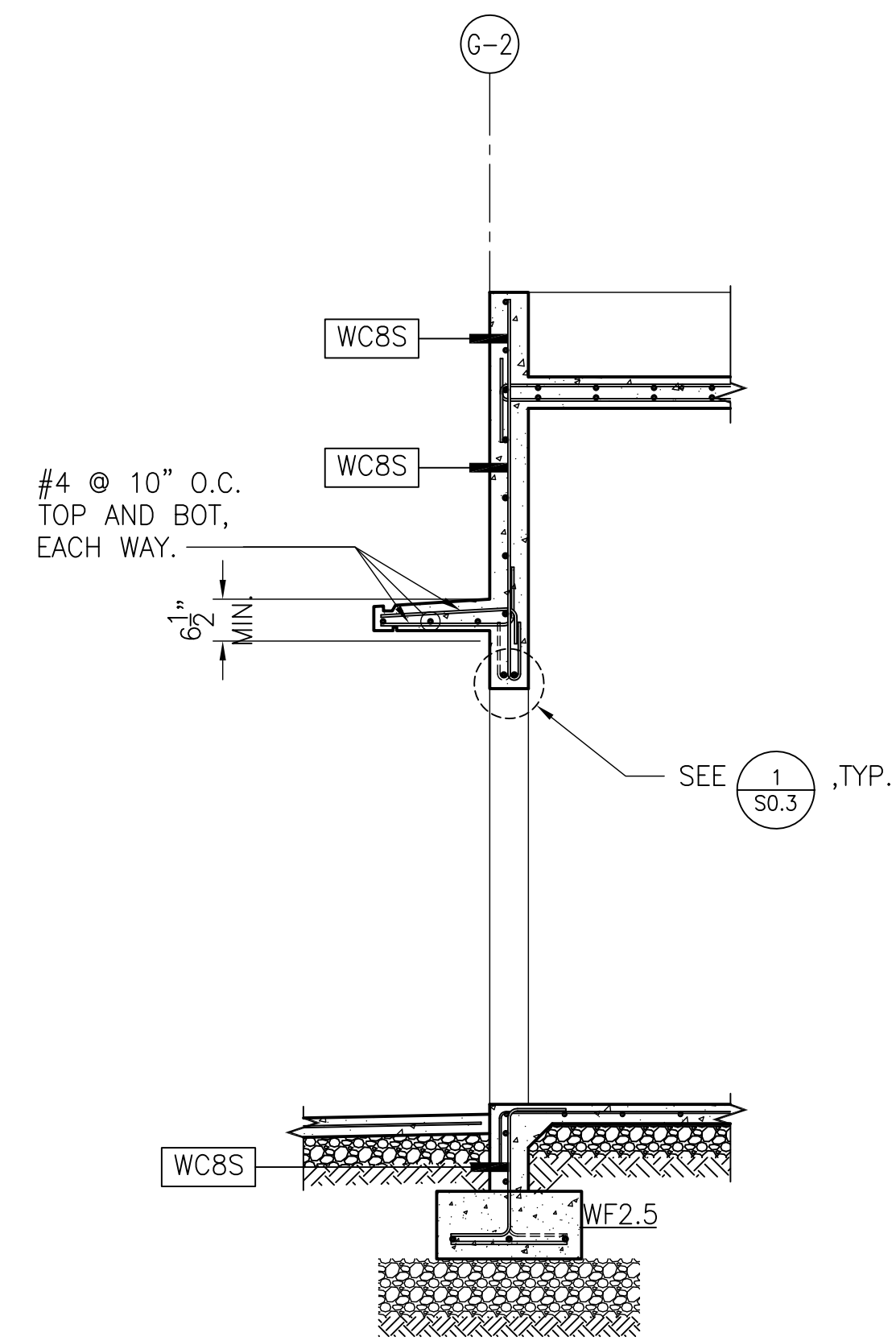
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SECTION

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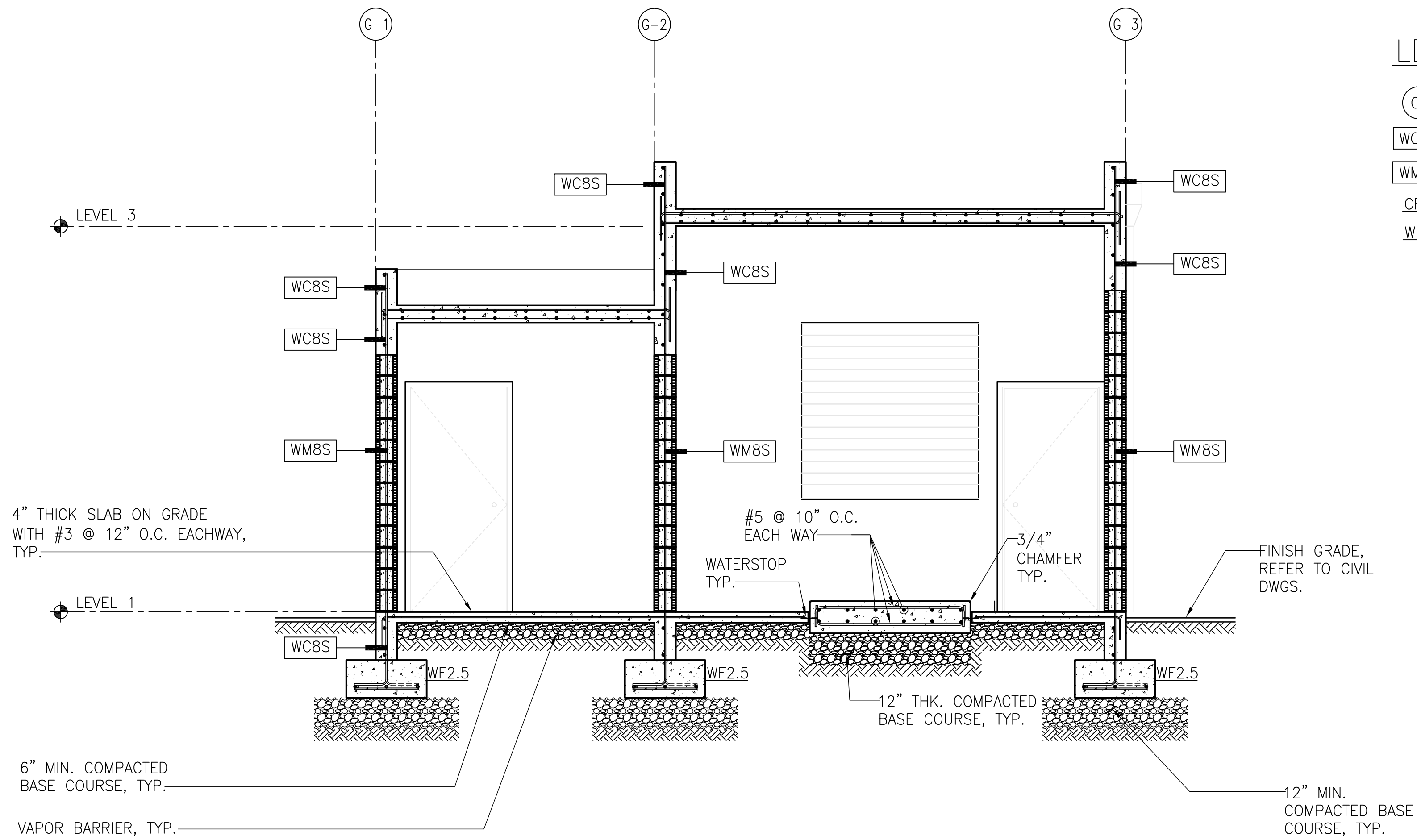
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Date:	12/19/16
Project No.:	GG16-08
File:	GG1608-S2.6
Drawing No.:	

S2.6
 Sheet No. _____ of _____

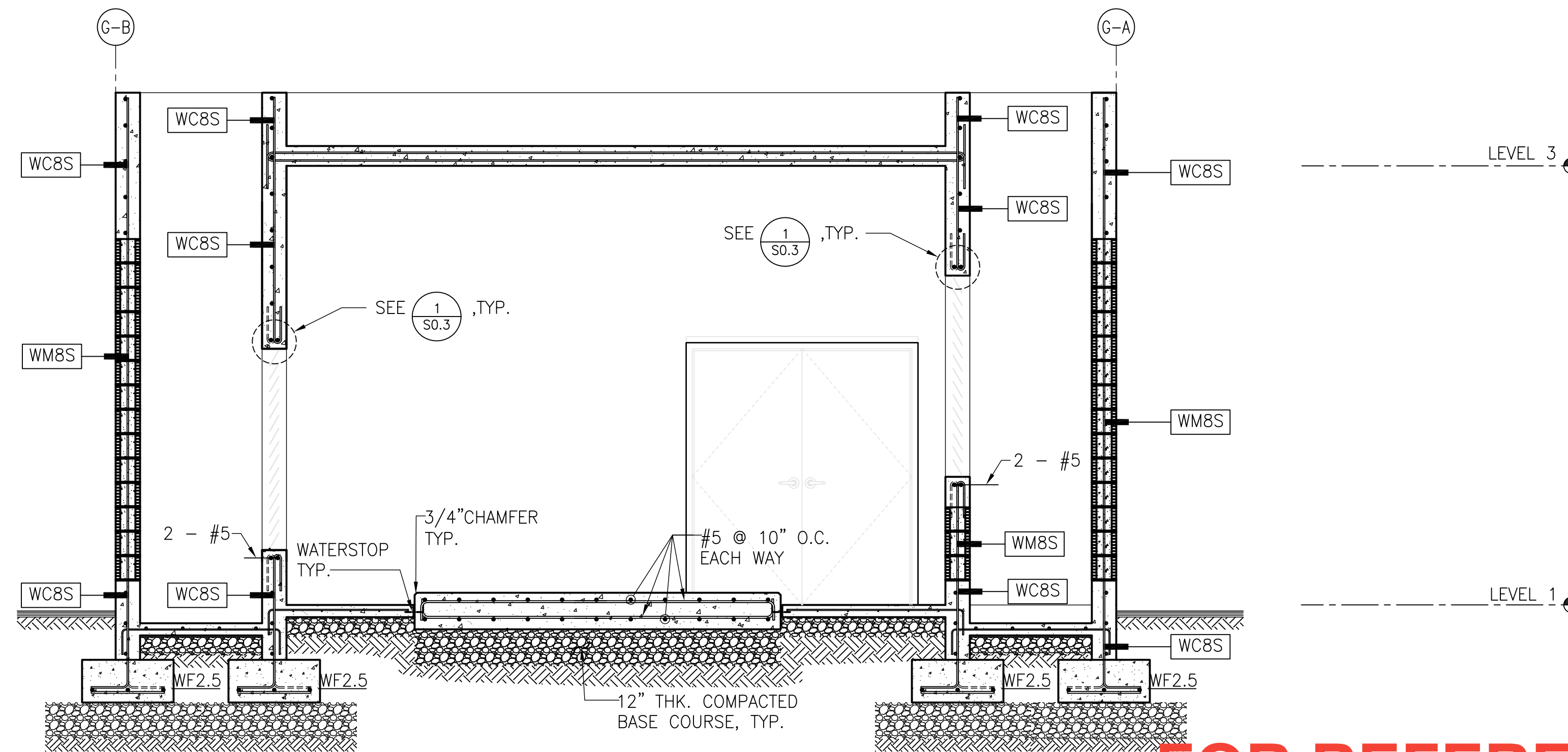
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3 SECTION
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0" 2" 4" 8"



2 SECTION
3/8" = 1'-0"
0" 2" 4" 8"



1 SECTION
3/8" = 1'-0"
0" 2" 4" 8"

LEGENDS:

- (C1) COLUMN DESIGNATION, SEE SHEET S0.7
- WC8S WALL SCHEDULE AND DETAILS, SEE SHEETS S0.6
- WM8S WALL SCHEDULE AND DETAILS, SEE SHEETS S0.6
- CF COLUMN FOOTING SCHEDULE AND DETAILS, SEE S0.5
- WF WALL FOOTING SCHEDULE AND DETAILS, SEE SHEET S0.5

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File GG1608-S2.7
Drawing No.

S2.7

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EQUIPMENT SCHEDULE

NOTE: VERIFY POWER SUPPLY CHARACTERISTIC FROM ELECTRICAL DRAWINGS BEFORE ORDERING THE EQUIPMENT.

PACKAGED COOLING UNIT (PCU):

MARK	AREA SERVED	SUPPLY AIR CFM	OUTDOOR AIR CFM	ESP IN. WG.	COOLING CAPACITY (BTU/HR.)		ENTERING AIR		AIR ENTERING COND. °F	EVAP. FAN MOTOR FLA	COMP. MOTOR RLA		COND. FAN MOTOR FLA	REFRIGERANT TYPE	MERV	EER (SEER)	OPERATING WEIGHT (LBS)	POWER SUPPLY CHARACTERISTICS			REMARKS
					TOTAL	SENSIBLE	°F DB	°F WB			1	2						VOLTS	PHASE	HERTZ	
PCU#1	SEE PLAN	5,195	779	0.6	151,900	108,100	78.2	66.5	95	7.8	19.1	27.6	4-1.3	R-410A	14	12.6	2,102	208/230-3-60			PCU:"CARRIER" MO. 50LC-B17 WITH VFD (3 STAGE), UV LIGHT & SINGLE ROW HEAT PIPE OR APPROVED EQUAL
PCU#2	SEE PLAN	5,258	554	0.6	132,600	98,400	77.6	66.1	95	7.8	19.1	27.6	4-1.3	R-410A	14	12.6	2,102	208/230-3-60			PCU:"CARRIER" MO. 50LC-B17 WITH VFD (3 STAGE), UV LIGHT & SINGLE ROW HEAT PIPE OR APPROVED EQUAL

EXHAUST FANS

MARK	AREA SERVED		CFM		ESP IN	FAN RPM	SONES	TYPE	POWER SUPPLY CHARACTERISTICS				REMARKS (PROVIDE INTEGRAL DISCONNECT)
	ROOM	NAME	ROOM	FAN					MOTOR, HP	VOLTS	PHASE	HERTZ	
ILF#1	123	RESTROOM	50	275	1/4	1250	5.9	IN-LINE FAN	1/4	115	1	60	"TWIN CITY FAN & BLOWER" MODEL DSI 080A WITH INTEGRAL DISCONNECT OR APPROVED EQUAL
	124	STORAGE	75										
	125	JANITOR	75										
	132	RESTROOM	75										
ILF#2	119	MEN'S LOCKER RM.	350	1,400	1/4	1725	15.4	IN-LINE FAN	1/3	115	1	60	"TWIN CITY FAN & BLOWER" MODEL DSI 100A WITH INTEGRAL DISCONNECT OR APPROVED EQUAL
	120	WOMEN'S LOCKER RM.	300										
	121	FITNESS	250										
	122	MT. BIKE STO.	500										
CEF#1	128	REST ROOM	75	1/8	760	2.8	CEILING CASSETTE	87W	115	1	60	"TWIN CITY FAN & BLOWER" MODEL T100L OR APPROVED EQUAL	
CEF#2	141	REST ROOM	75	1/8	760	2.8	CEILING CASSETTE	87W	115	1	60	"TWIN CITY FAN & BLOWER" MODEL T100L OR APPROVED EQUAL	
EF#1	G101	GENERATOR ROOM	1800	1/8	1750	19	PROPELLER WALL EXHAUST FAN	1/4	115	1	60	"TWIN CITY FAN & BLOWER" MODEL WPB-E-16 WITH INTEGRAL DISCONNECT OR APPROVED EQUAL	
EF#2	G102	PUMP ROOM	800	1/8	1750	14.5	PROPELLER WALL EXHAUST FAN	1/4	115	1	60	"TWIN CITY FAN & BLOWER" MODEL WPB-E-14 WITH INTEGRAL DISCONNECT OR APPROVED EQUAL	

NOTES:

- BASIC MECHANICAL BID ITEMS INCLUDE ALL MECHANICAL WORK SHOWN ON DWGS M1.0,M1.1,M2.1M2.2M3.0 AND M4.0.
- DEDUCTIVE BID ITEMS ARE AS FOLLOWS:
 - M1.1a - CHANGE VARIABLE AIR VOLUME DIFFUSERS TO REGULAR CONSTANT VOLUME DIFFUSERS, SEE SPECIFICATIONS, SECTION 15500, PAR 2.4A
 - M1.1b - CHANGE VARIABLE VOLUME PACKAGE COOLING UNITS TO CONSTANT VOLUME PACKAGE UNITS WITH THE SAME CAPACITIES INDICATED, "CARRIER" MO. 5TC SERIES OR APPROVED EQUAL.
 - M2.1a - REMOVE MECHANICAL ITEMS RELATED TO THE INSTALLATION OF EMERGENCY GENERATOR AS FOLLOWS:
 - ENGINE EXHAUST PIPING, MUFFLER, AND INSULATION.
 - RADIATOR EXHAUST DUCT, FLEXIBLE CONNECTION, INTAKE AND EXHAUST LOUVER.
 - EXHAUST FAN EF#1
 - M2.1b - REMOVE EXHAUST FAN EF#2

LEGEND:

ABBREVIATION	DESCRIPTION
A/C	AIR CONDITIONING
A.F.F.	ABOVE FINISH FLOOR
CD	CEILING DIFFUSER
CEF	CEILING EXHAUST FAN
CFM	CUBIC FEET PER MINUTE
CONT'N.	CONTINUATION
DL	DOOR LOUVER
DN.	DOWN
DU	DOOR UNDERCUT
EA.	EACH
EAD	EXHAUST AIR DUCT
EF	EXHAUST FAN
EAL	EXHAUST AIR LOUVER
EAR	EXHAUST AIR REGISTER
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MVD	MOTORIZE VOLUME DAMPER
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DUCT
RA	RETURN AIR
RAD	RETURN AIR DUCT
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
⊙	SMOKE DETECTOR
SAD	SUPPLY AIR DUCT
SAR	SUPPLY AIR REGISTER
TEF	TOILET EXHAUST FAN
⊖	TEMPERATURE SENSOR
⊕	TYPICAL
VD	VOLUME DAMPER
AP	ACCESS PANEL

VARIABLE AIR VOLUME SUPPLY CEILING DIFFUSER (VSCD) :

MARK	ROOM	SPACES SERVED	TYPE	SIZE	CFM @ .10"wg.		REMARKS "ACCUTHERM" THERMA-FUSER OR EQUAL	MARK	ROOM	SPACES SERVED	TYPE	SIZE	CFM @ .10"wg.		REMARKS "ACCUTHERM" THERMA-FUSER OR EQUAL	MARK	ROOM	SPACES SERVED	TYPE	SIZE	CFM @ .10"wg.		REMARKS "ACCUTHERM" THERMA-FUSER OR EQUAL				
					MIN.	MAX.							MIN.	MAX.							MIN.	MAX.					
VSCD#1-1	101	WAITING	CEILING LAY-IN	8"	55	211	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#15-1	118	INFO CENTER	CEILING LAY-IN	10"	62	247	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#27	135	SUPERVISOR OFFICE	CEILING LAY-IN	6"	25	96	TF-C 24"x24" SQ. CEILING VAV DIFFUSER				
VSCD#1-2			CEILING LAY-IN	8"	55	211		VSCD#15-2			CEILING LAY-IN	10"	62	247		VSCD#28-1			136	ADULT HOLDING CELL	LINEAR WALL	48"		40	157	TLW-C 2-SLOT 4' LINEAR WALL VAV DIFFUSER	
VSCD#1-3			CEILING LAY-IN	8"	55	211		VSCD#16-1			CEILING LAY-IN	6"	35	150		VSCD#28-2					LINEAR WALL	48"		40	157		
VSCD#2	102	DESK WATCH	CEILING LAY-IN	6"	20	75	TLW-C 2-SLOT LINEAR WALL VAV DIFFUSER	VSCD#16-2	119	MEN'S LOCKER ROOM	CEILING LAY-IN	6"	35	150	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#29	138	INTERVIEW ROOM	CEILING LAY-IN	8"	55	227	TF-C 24"x24" SQ. CEILING VAV DIFFUSER				
VSCD#3	104	VAULT	LINEAR WALL	24"	27	27		VSCD#17-1			120	WOMEN'S LOCKER ROOM	CEILING LAY-IN	8"		46			186	VSCD#30	139	INTERVIEW ROOM		CEILING LAY-IN	12"	110	417
VSCD#4	105	ELEC. ROOM	LINEAR WALL	36"	27	111		VSCD#17-2					CEILING LAY-IN	8"		46			186	VSCD#31				140	INTERVIEW ROOM	CEILING LAY-IN	8"
VSCD#5-1	108	DEBRIEFING	CEILING LAY-IN	8"	55	210	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#18-1	121	FITNESS	CEILING LAY-IN	10"	79	276	TLW-C 2-SLOT LINEAR WALL VAV DIFFUSER	VSCD#32	141	INTERVIEW ROOM	CEILING LAY-IN	6"	25	134	TF-C 24"x24" SQ. CEILING VAV DIFFUSER				
VSCD#5-2			CEILING LAY-IN	8"	55	210		VSCD#18-2			CEILING LAY-IN	10"	79	276		VSCD#33			143g	CORRIDOR	CEILING LAY-IN	6"		25	50		
VSCD#6-1	109	CONFERENCE	CEILING LAY-IN	10"	85	339	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#19	126	COMM. ROOM	LINEAR WALL	36"	110	110	TLW-C 2-SLOT LINEAR WALL VAV DIFFUSER	VSCD#33-1	143	SECURED CORRIDOR			CEILING LAY-IN	6"	25	83	TF-C 24"x24" SQ. CEILING VAV DIFFUSER		
VSCD#6-2			CEILING LAY-IN	10"	85	339		VSCD#20			127	COMM. PROPERTY	LINEAR WALL	24"		75			75	VSCD#33-2	CEILING LAY-IN	6"	25	83			
VSCD#6-3			CEILING LAY-IN	10"	85	339		VSCD#21-1					128	SECURED CORRIDOR		CEILING LAY-IN			6"	25	75	VSCD#33-3	CEILING LAY-IN	6"		25	83
VSCD#7	110	SUPV. OFFICE	CEILING LAY-IN	10"	90	361	VSCD#21-2	CEILING LAY-IN	6"	25	138	VSCD#34			144	VESTIBULE	CEILING LAY-IN	6"	25	188							
VSCD#8	111	COMMANDER'S OFFICE	CEILING LAY-IN	12"	110	438	VSCD#21-3	CEILING LAY-IN	6"	25	138	VSCD#35					145	VESTIBULE	CEILING LAY-IN	6"	25	50					
VSCD#9	112	OFFICE	CEILING LAY-IN	10"	70	279	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#22-1	129	JUVIE DETAINEE	CEILING LAY-IN	6"	25	75	VSCD#36	146			VESTIBULE	CEILING LAY-IN	6"	25	50				
VSCD#10	113	OFFICE	CEILING LAY-IN	6"	35	150		VSCD#22-2			129g	CEILING LAY-IN	6"	25	75		VSCD#37	147		VESTIBULE	CEILING LAY-IN	6"	25	62			
VSCD#11	114	OFFICE	CEILING LAY-IN	10"	72	287	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#23	130	INTERVIEW ROOM	CEILING LAY-IN	6"	25	109	VSCD#38	147	VESTIBULE		CEILING LAY-IN		6"	25	100				
VSCD#12	115	RECORDS	CEILING LAY-IN	10"	64	257		VSCD#24			131	INTERVIEW ROOM	CEILING LAY-IN	6"	25			106									
VSCD#13-1	116	ADMIN	CEILING LAY-IN	6"	75	75	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#25-1	133	JUVIE HOLDING CELL			LINEAR WALL	24"	25	95	TLW-C 2-SLOT LINEAR WALL VAV DIFFUSER										
VSCD#13-2			CEILING LAY-IN	12"	96	385		VSCD#25-2			LINEAR WALL	24"	25	95													
VSCD#14-1	117	LOUNGE	CEILING LAY-IN	8"	55	220	TF-C 24"x24" SQ. CEILING VAV DIFFUSER	VSCD#26-1	134	PROCESSING ROOM	CEILING LAY-IN	6"	25	150													
VSCD#14-2			CEILING LAY-IN	8"	55	220		VSCD#26-2			CEILING LAY-IN	6"	25	150													

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 e-mail: engineer@emc2mechanical.com

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Title: **EQUIPMENT SCHEDULE**

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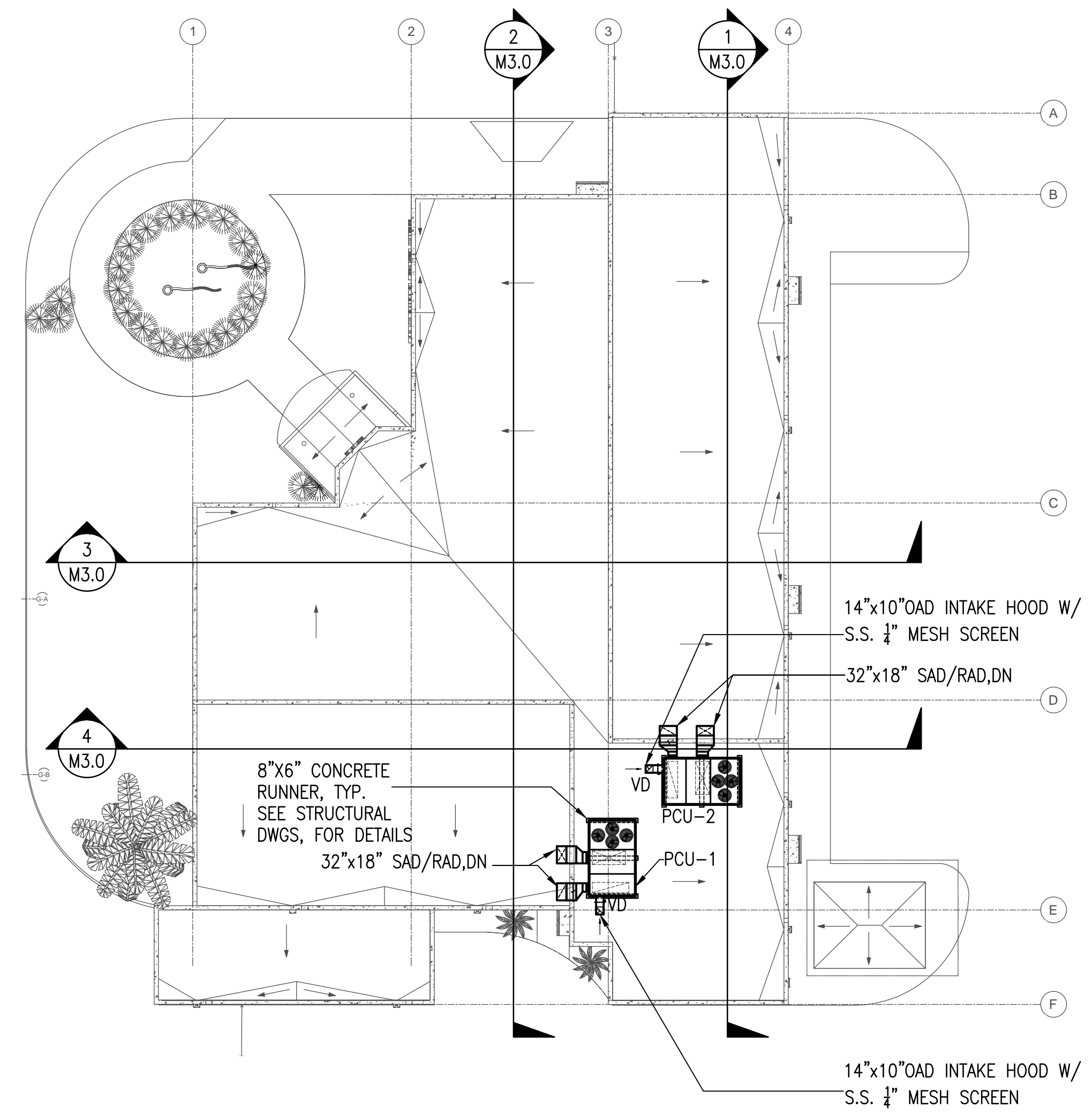
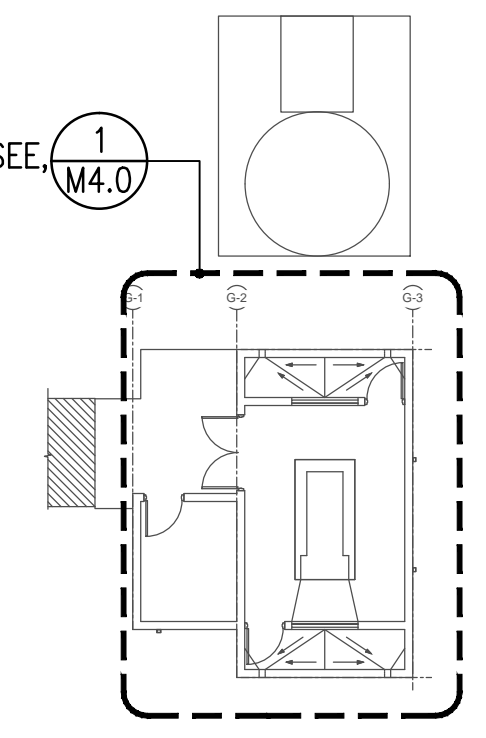
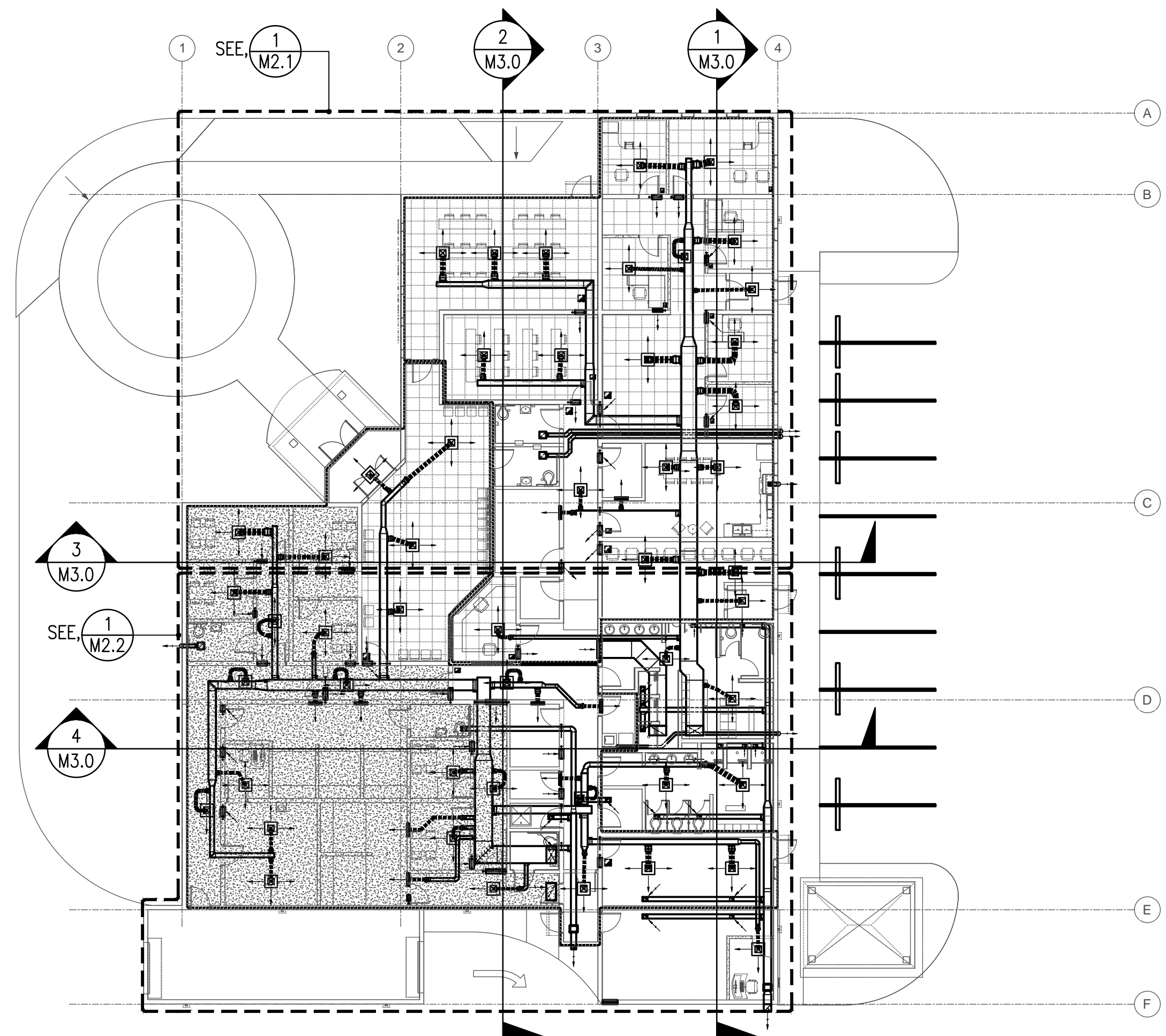
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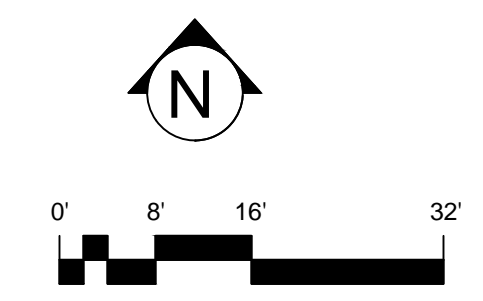
Drawing No. **M1.0**

Sheet No. _____ of _____



1 A/C & VENTILATION OVERALL FLOOR & ROOF PLAN
SCALE: 1/4" = 1'-0"

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POLICE PRECINCT

Title:
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OVERALL
FLOOR & ROOF PLAN
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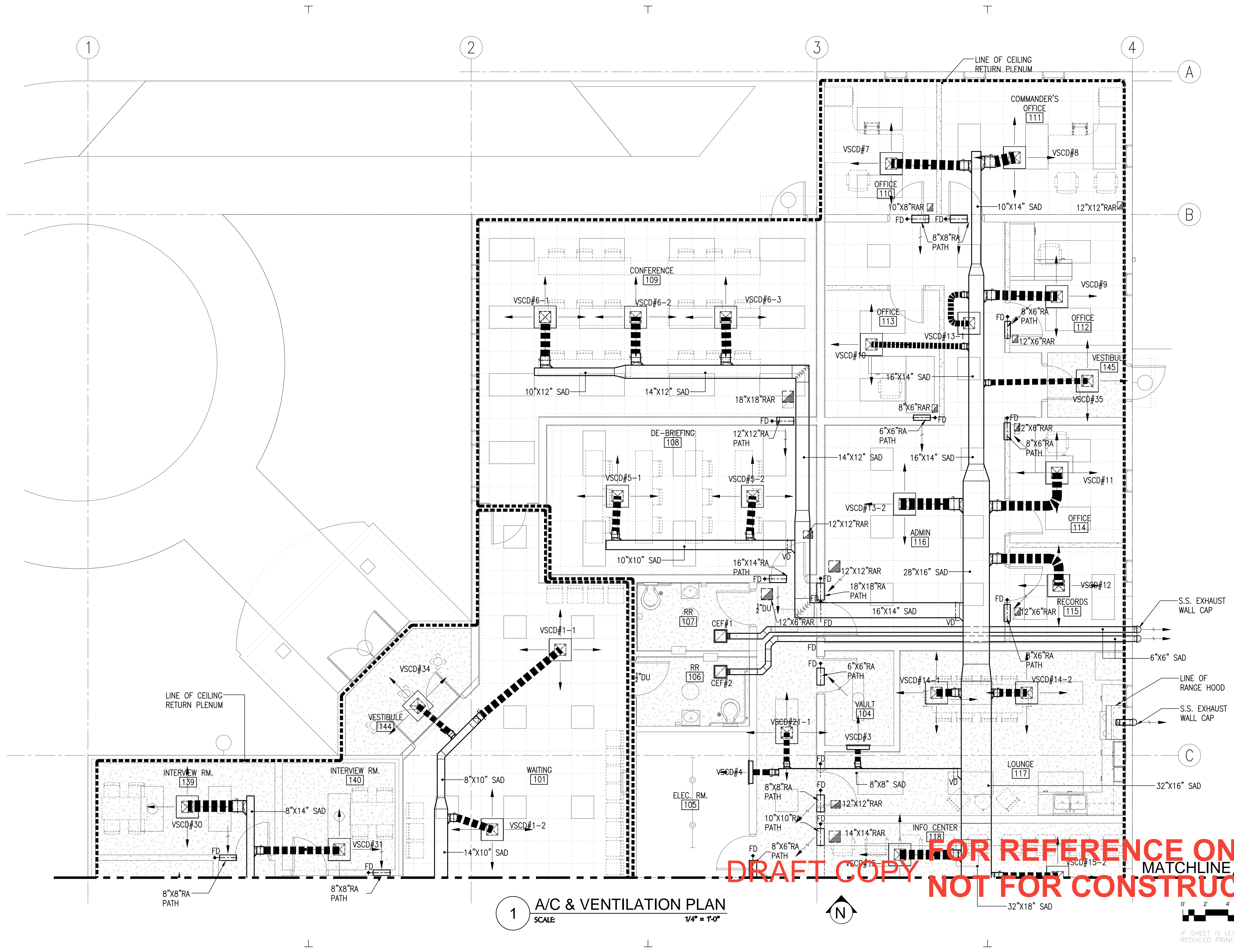
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Title:
A/C & VENTILATION PLAN

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 No. _____
 Drawing No.

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 Sheet No. _____ of _____



1 A/C & VENTILATION PLAN
 SCALE: **1/4" = 1'-0"**

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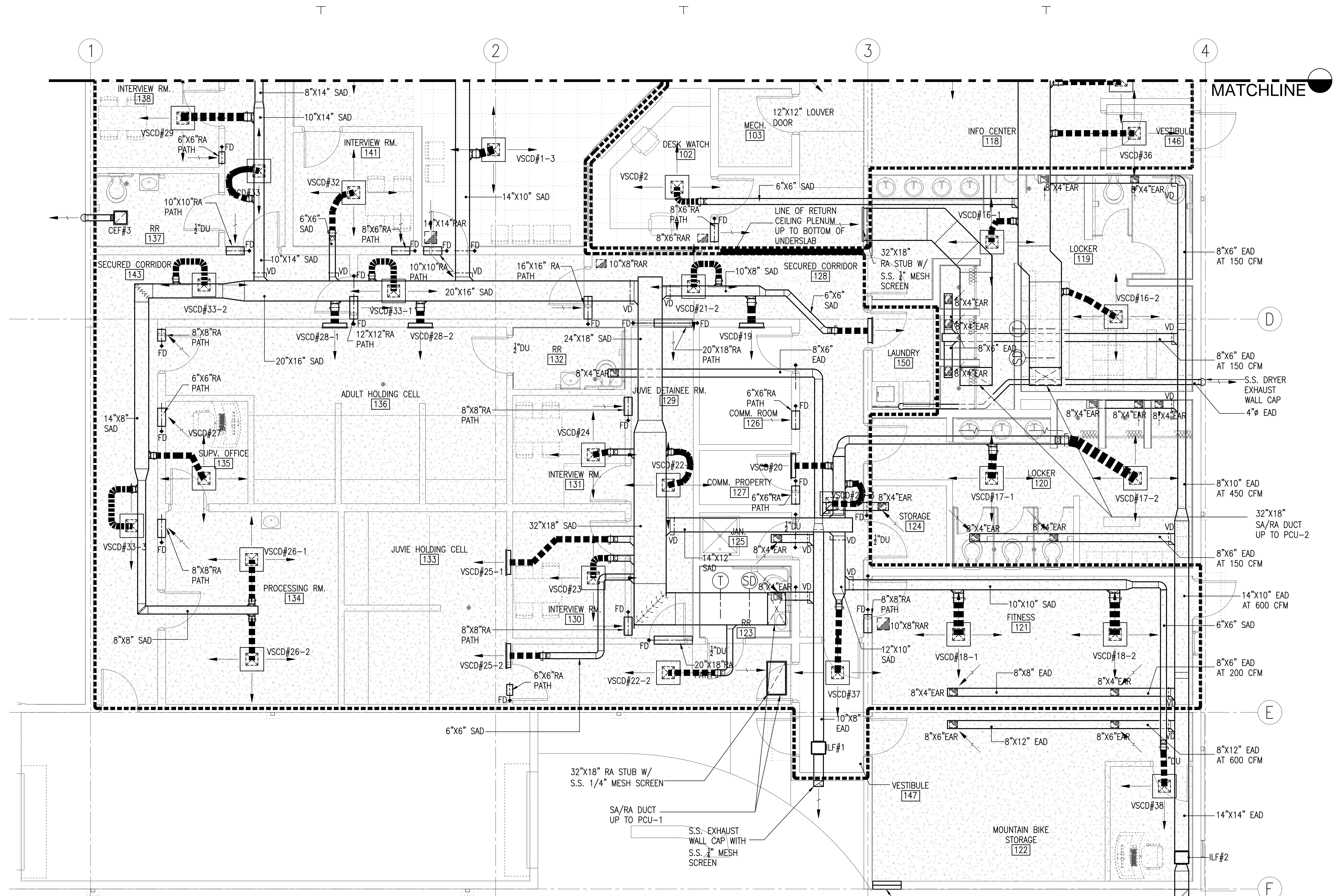
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 PLAN

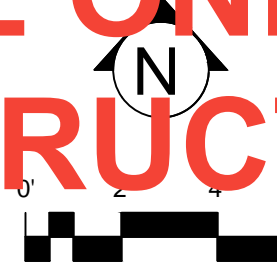
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 Drawing No.

M2.2
 Sheet No. of



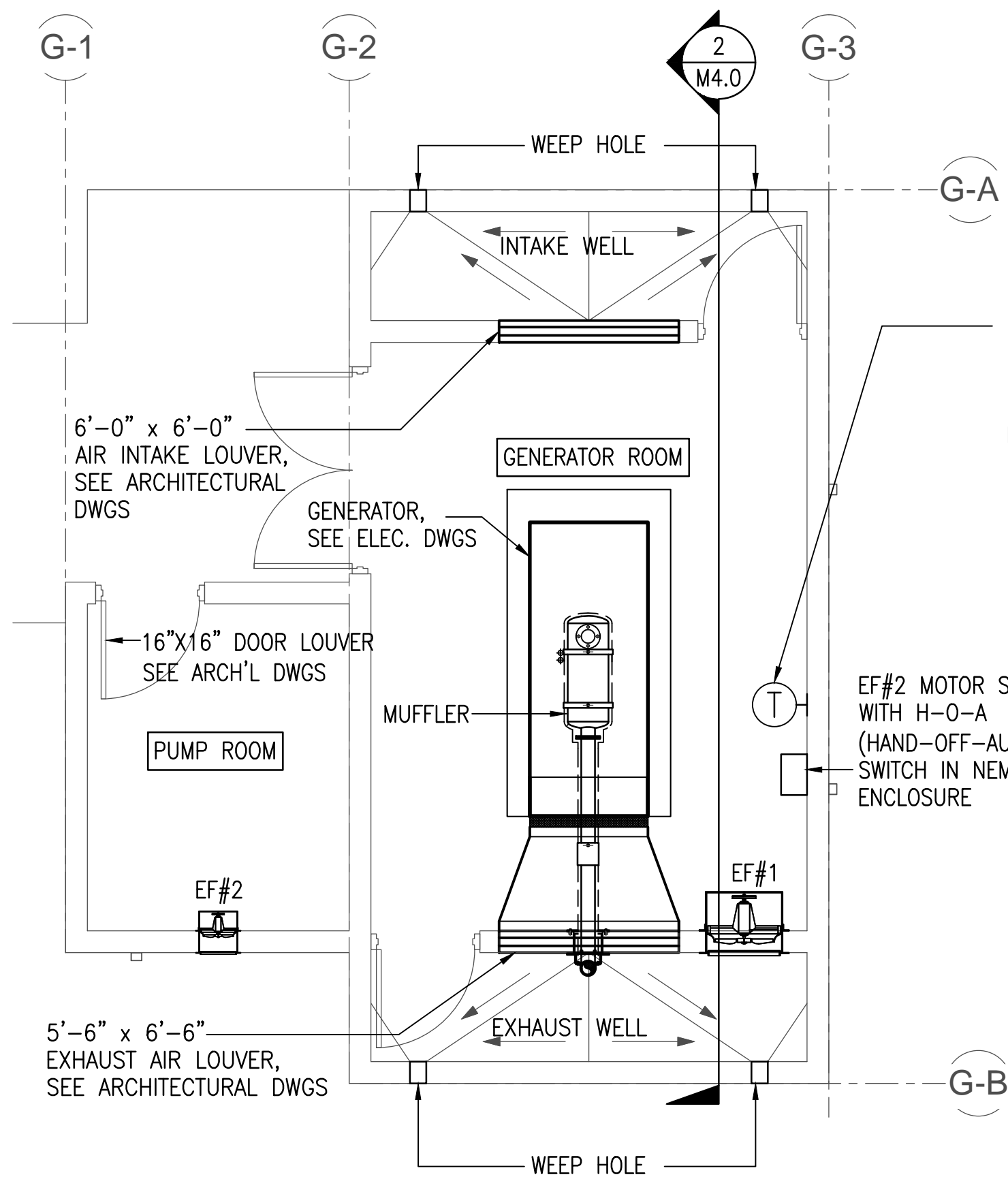
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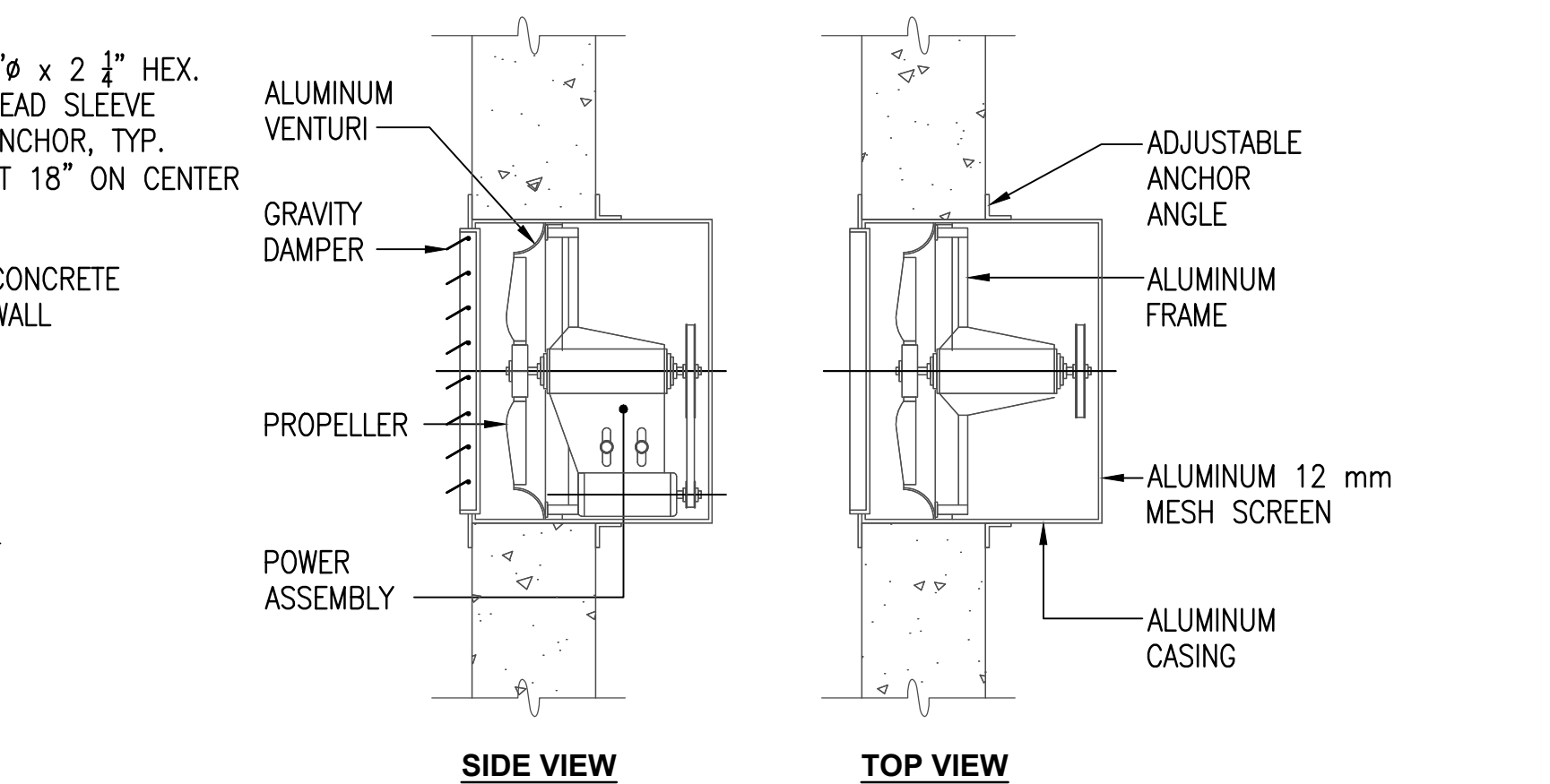
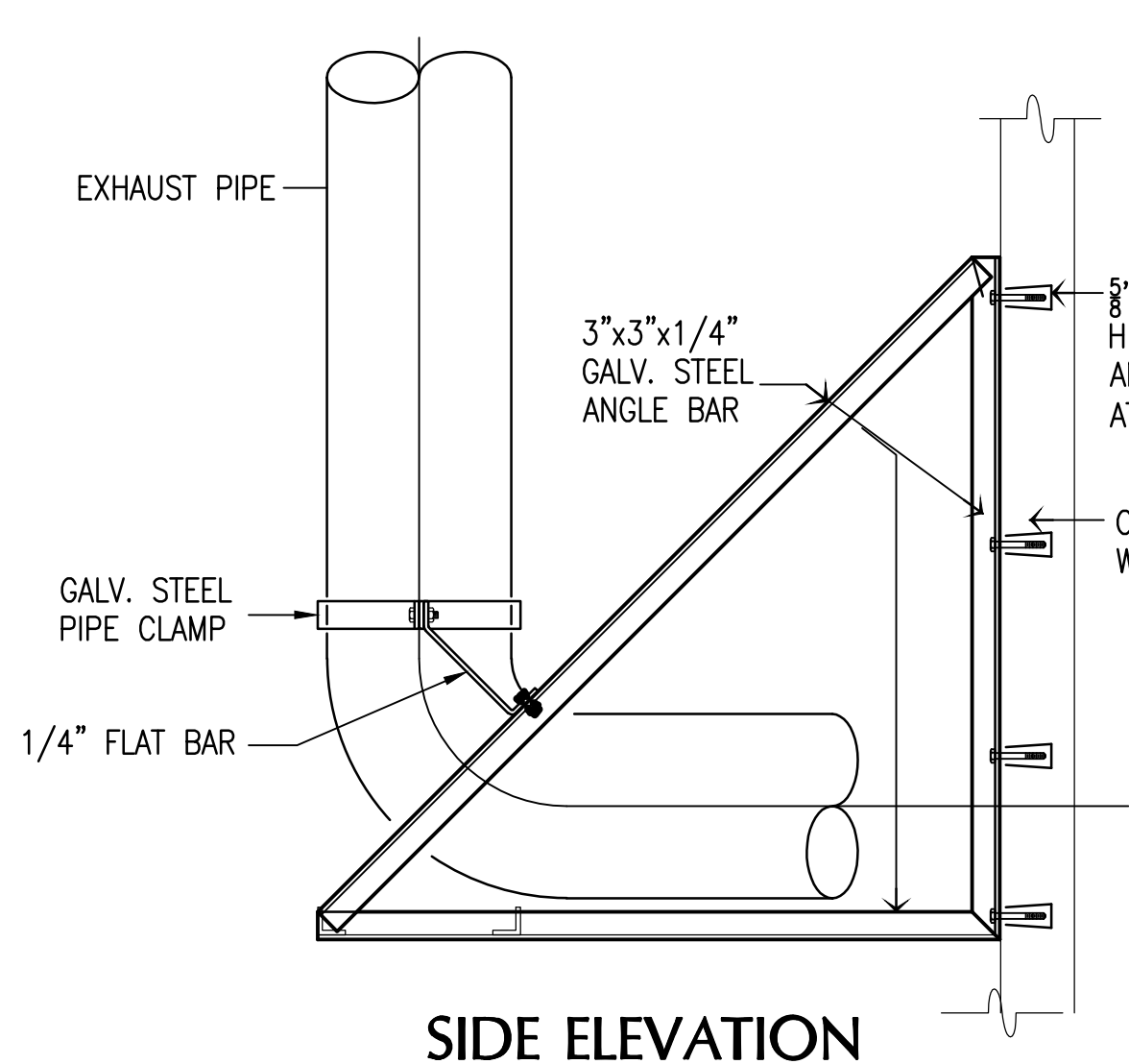
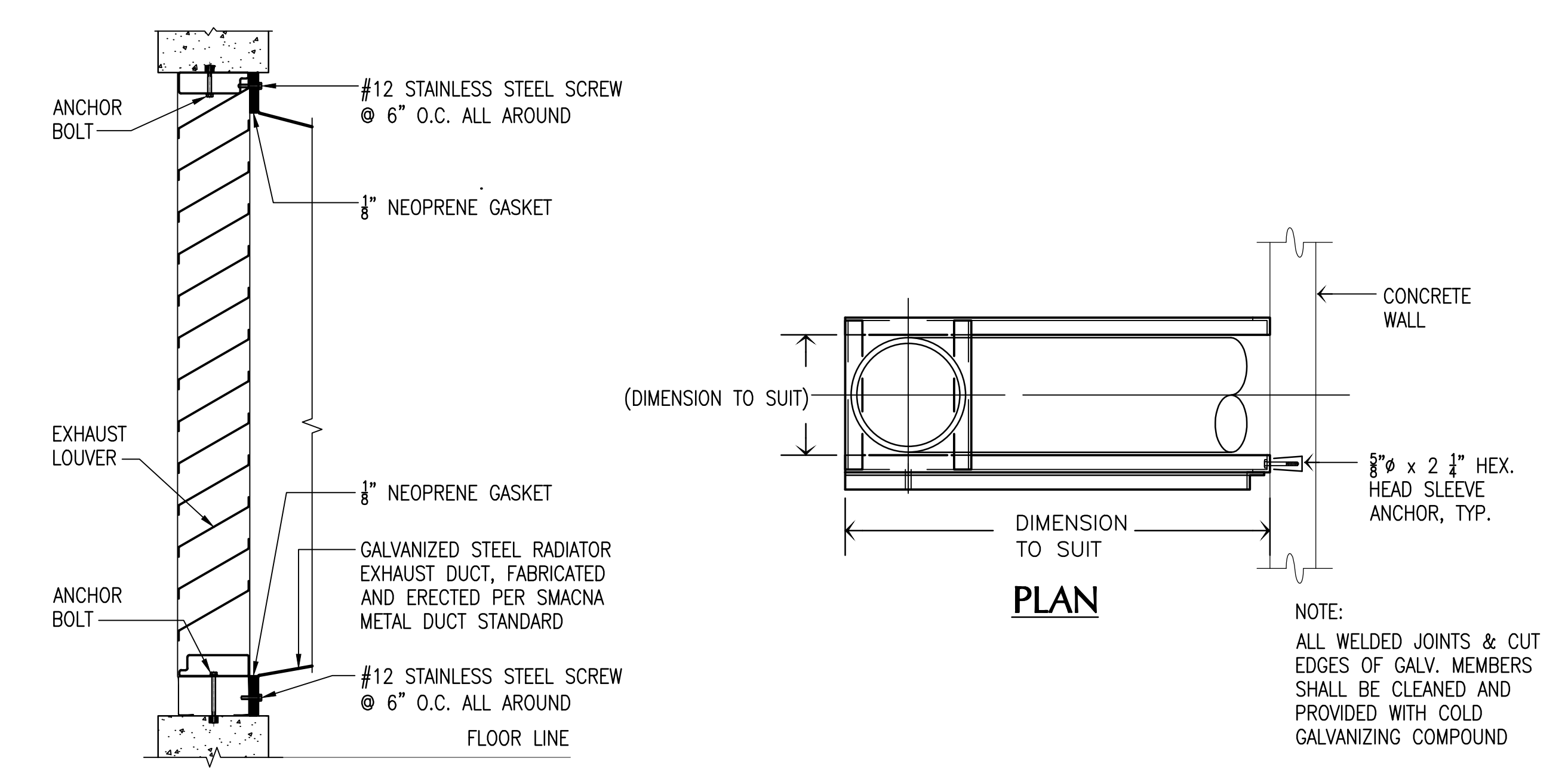
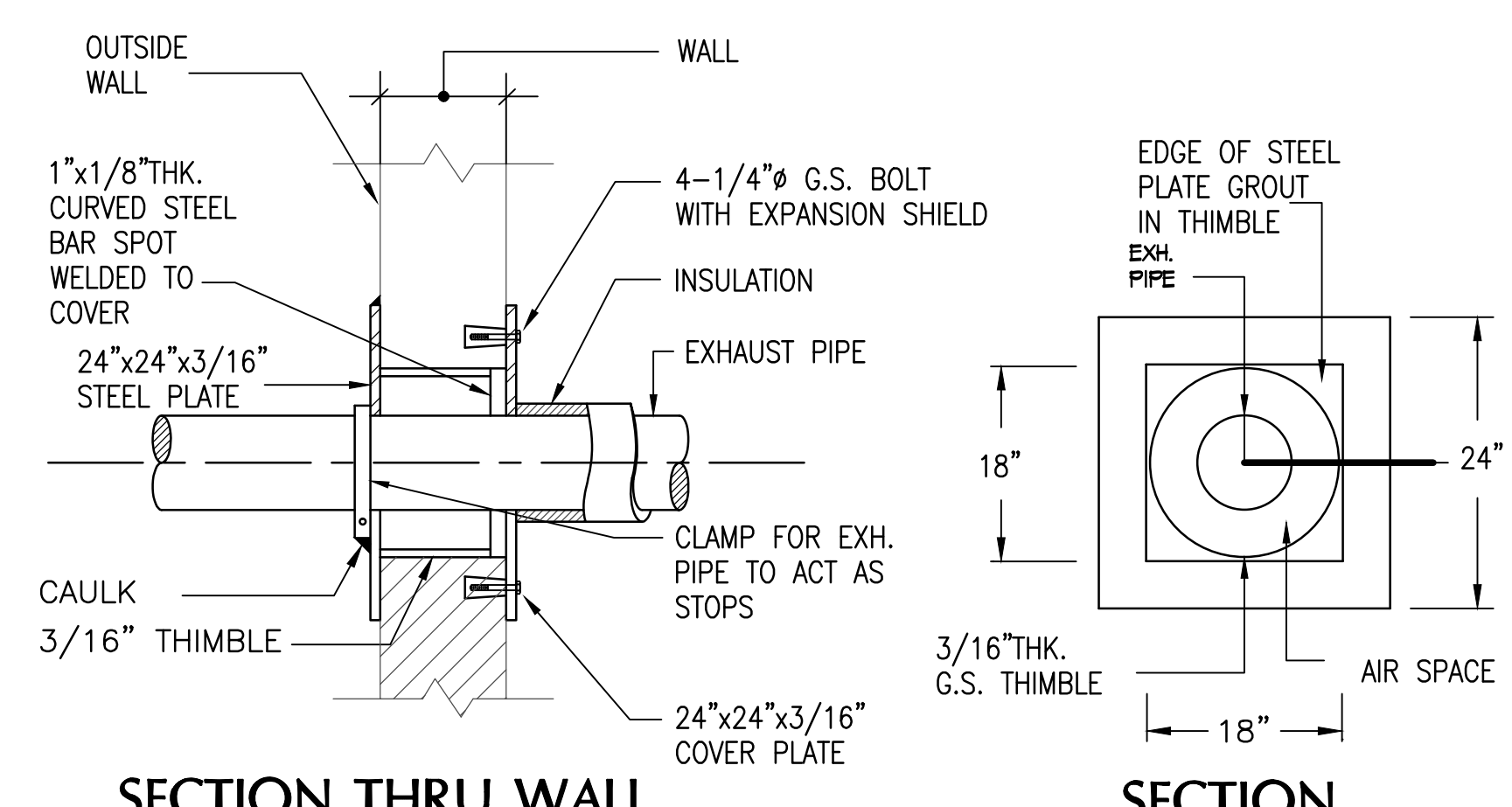
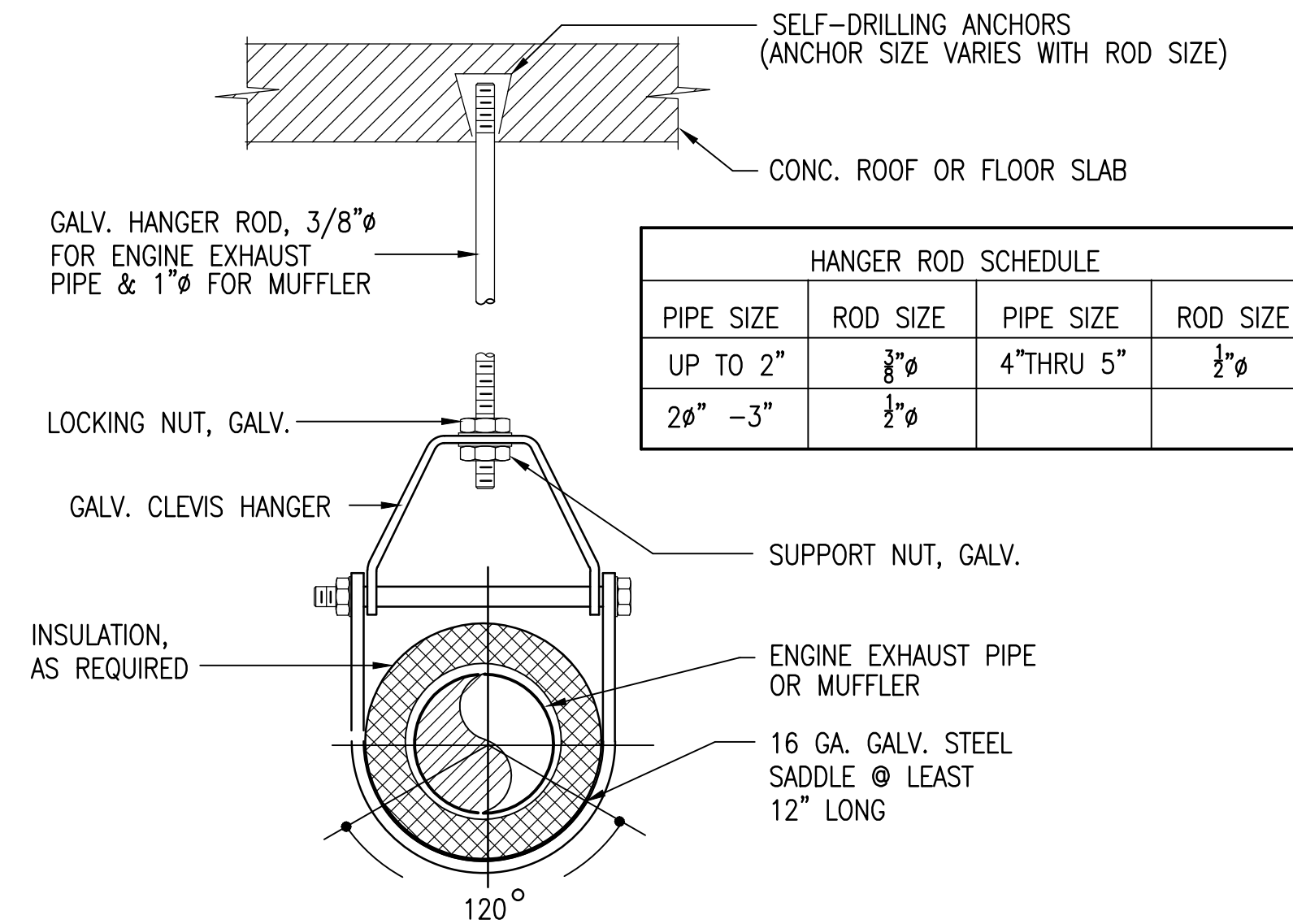
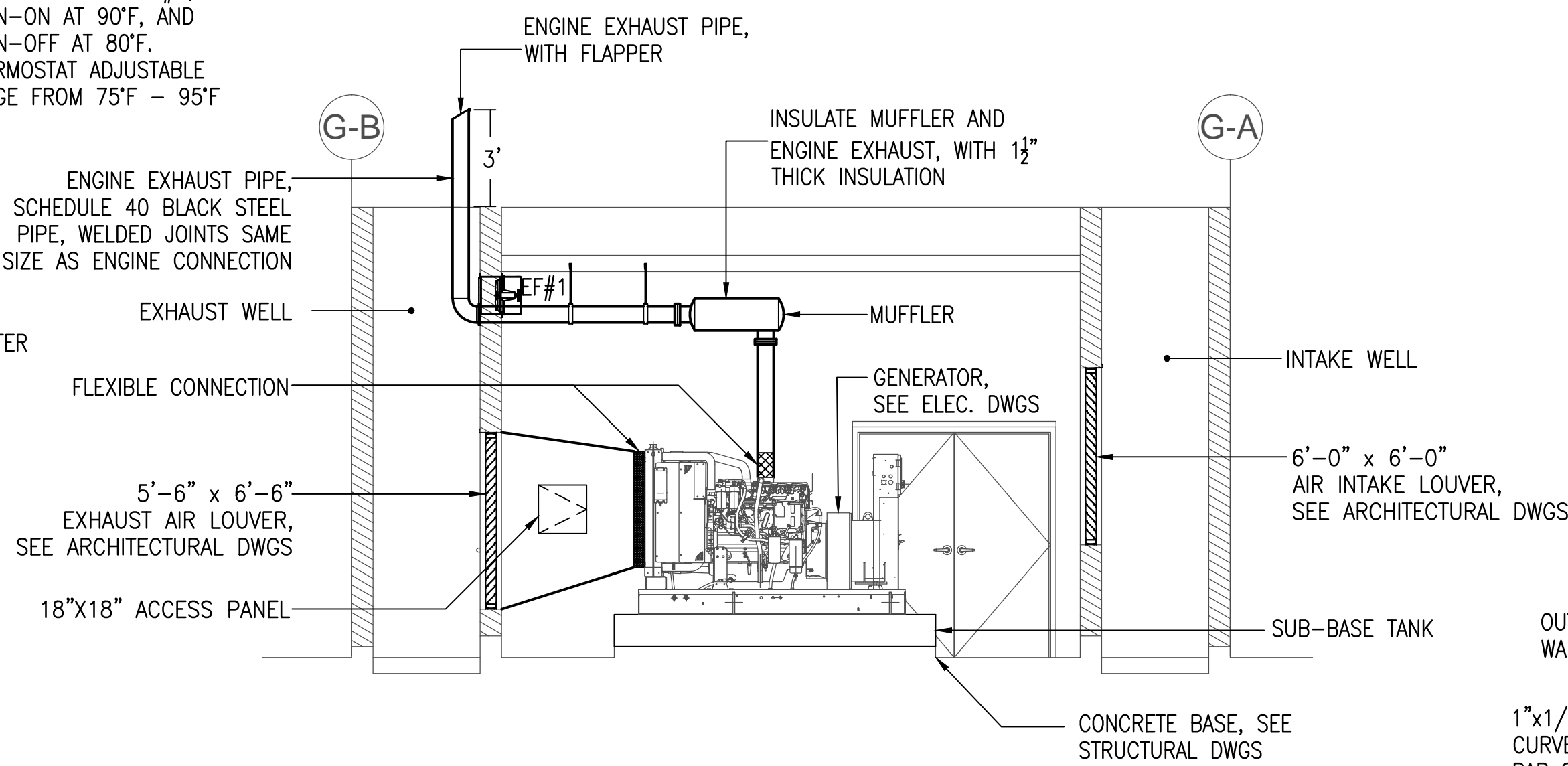


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- NOTES:
1. PROVIDE NECESSARY VENT FOR THE SUB-BASE TANK.
 2. VERIFY DIMENSIONS OF SUB-BASE TANK WITH THE TANK MANUFACTURER.



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BID DOCUMENTS

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Project:
CENTRAL
POLICE PRECINCT

Title:
GENERATOR ROOM
VENTILATION PLAN
AND DETAILS
BID DOCUMENTS

Designed: CGV
Drawn: VSA
Checked: CGV
Supv: RPS
Scale:
Date: 12/19/16

Project No. File
No. Drawing No.
M4.0
Sheet No. of

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PLUMBING EQUIPMENT SCHEDULES

MARK	DESCRIPTION	MANUFACTURER & MODEL OR APPROVED EQUAL	CAPACITY	POWER	VOLTS	PHASE	CYCLE	REMARKS
EW#1	ELECTRIC WATER HEATER	"LOCHINVAR" MO. HST09-052	80 GALLONS	9.0 KW	208	3	60	

NOTES:

- BASIC BID INCLUDE ALL PLUMBING WORK SHOWN ON DWGS P1.0, P1.1, P2.1, P2.2, P3.1, P3.2 AND P4.0
- DEDUCTIVE BID ITEMS ARE AS FOLLOWS:
 - P1.1 - DELETE WATER STORAGE TANK AND DOMESTIC WATER BOOSTER SYSTEM, CONNECT COLD WATER SERVICE LINE TO COLD WATER MAIN SHOWN ON CIVIL DRAWINGS.
 - P2.1 REMOVE PENITENTIARY TYPE PLUMBING FIXTURES AT REST ROOM 132 AND PROVIDE REGULAR PLUMBING FIXTURE. SEE SPECIFICATION SECTION 15400 PAR 2.9A2a

GEPA PLUMBING NOTES:

- CONTRACTOR MUST DISINFECT/CHLORINATE ALL POTABLE WATER PIPING SYSTEM PRIOR TO USE OF WATER FOR HUMAN CONSUMPTION OR TO OCCUPY THE BUILDING.
- DISINFECTION AND CHLORINATION MUST BE COORDINATED WITH GEPA STAFF. NOTIFY GEPA OF DISINFECTION AND CHLORINATION SCHEDULE AT LEAST 4 WORKING DAYS BEFORE DISINFECTION AND CHLORINATION DATE.
- SUBMIT BACTERIOLOGICAL AND LEAD ANALYTICAL TEST RESULT TO GEPA FOR EVALUATION.
- CHLORINATION AND DISINFECTION METHOD MUST COMPLY WITH AWWA C651-86 STANDARD.
- USE LEAD-FREE MATERIALS AND/OR SOLDER FLUX TO ALL POTABLE WATER PIPING SYSTEM.
- FAUCETS AND FIXTURE FITTINGS THAT SUPPLY DRINKING WATER FOR HUMAN INGESTION SHALL CONFORM TO THE REQUIREMENTS OF ANSI/NSF 61, SECTION 9.

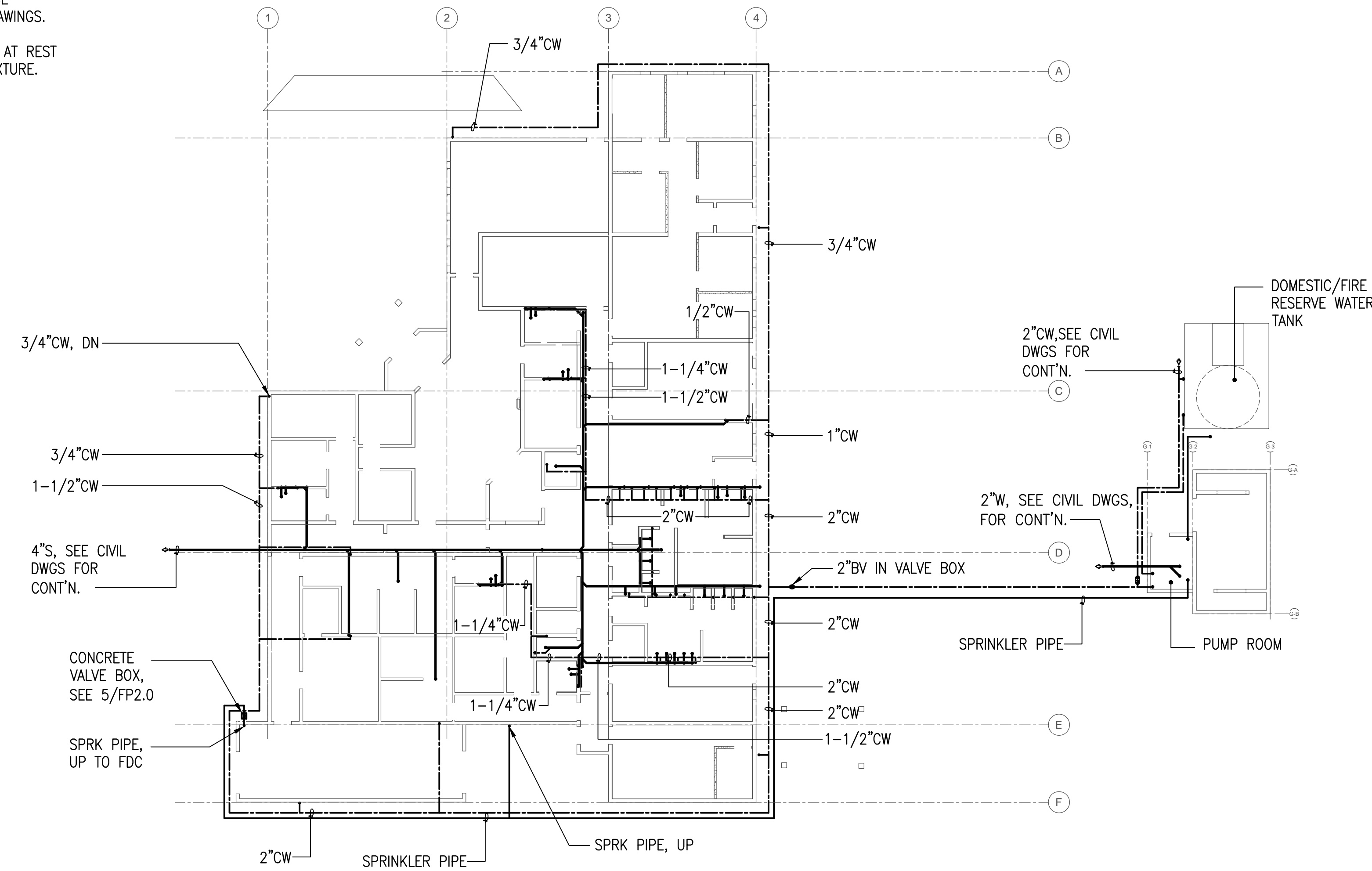
LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	AP	ACCESS PANEL	DN.	DOWN
	BFV	BUTTERFLY VALVE	DWBP	DOMESTIC WATER BOOSTER PUMP
	BV	BALL VALVE	DWGS.	DRAWINGS
	CV	CHECK VALVE	H	WALL HYDRANT
	CW	COLD WATER PIPING	HB	HOSE BIBB
		ELBOW, TURNED UP	HDPE	HIGH DENSITY POLY-ETHYLENE
		ELBOW, TURNED DOWN	HS	HAND SINK
	FD	FLOOR DRAIN	JS	JANITORIAL SINK
	FCO	FLOOR CLEANOUT	KS	KITCHEN SINK
	HW	HOT WATER PIPING	N.C.	NORMALLY CLOSE
	PTRV	PRESSURE-TEMPERATURE RELIEF VALVE	N.O.	NORMALLY OPEN
	S OR W	SOIL OR WASTE PIPING	UR	URINAL
	V	VENT PIPING	WC	WATER CLOSET
	VRV	VACUUM RELIEF VALVE	WCO	WALL CLEANOUT
			WHA	WATER HAMMER ARRESTER

VALUES FOR FIXTURE UNITS ARE BASED ON 2009 INTERNATIONAL PLUMBING CODE, 1PC TABLE E103.3 (2) PAGE 130

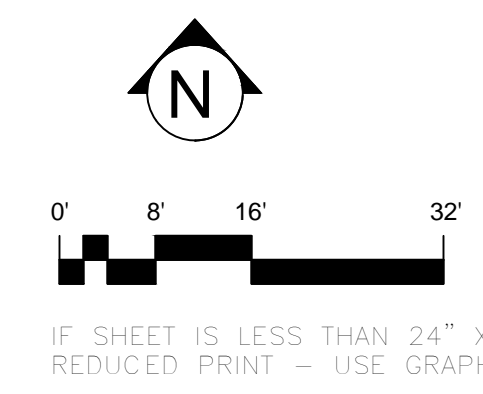
PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTIONS	WATER			SOIL OR WASTE	DFU	VENT	REMARKS	FLOW PER FLUSH		
		CW	HW	FU					GPF	GPM	
H	WALL HYDRANT	1"	-	2	-	-	-	"WATTS" MO.HY-450-K-3 OR EQUAL	-	0.5	
LAV	LAVATORY	1/2"	1/2"	2	2"	1	2"	ANGLE VALVE	-	0.5	
SHO	SHOWER	1/2"	1/2"	4	2"	2	2"		-	1.5	
UR	URINAL	1"	-	10	2"	2	2"	FLUSH VALVE	WATER SENSE LABEL	0.125	-
WC-1	HANDICAP WATER CLOSET/WATER CLOSET	1"	-	10	4"	4	2"	FLUSH VALVE		1.28	-
WC-2	WATER CLOSET	1"	-	10	4"	4	2"	FLUSH VALVE		1.28	-
EW	ELECTRIC WATER COOLER	1/2"	-	2	2"	1	2"	BI LEVEL ADA COMPLIANT	370 W 115V/1PH/60HZ	-	8 GPH
FD	FLOOR DRAIN	-	-	-	2"	2	2"				
FUN D	FUNNEL DRAIN	-	-	-	2"	2	2"				



1 UNDERGROUND PIPING PLAN
SCALE: 1/16" = 1'-0"

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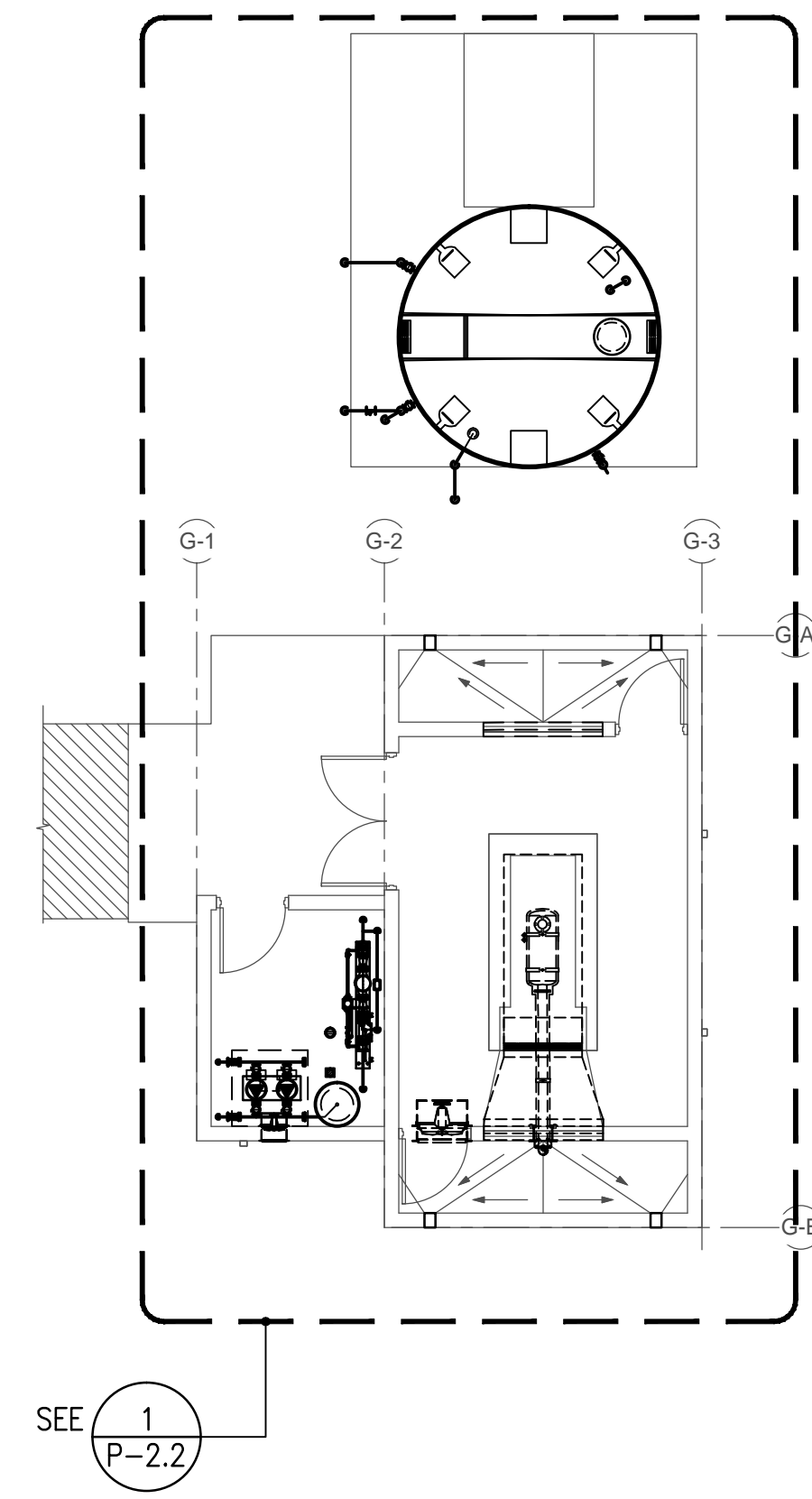
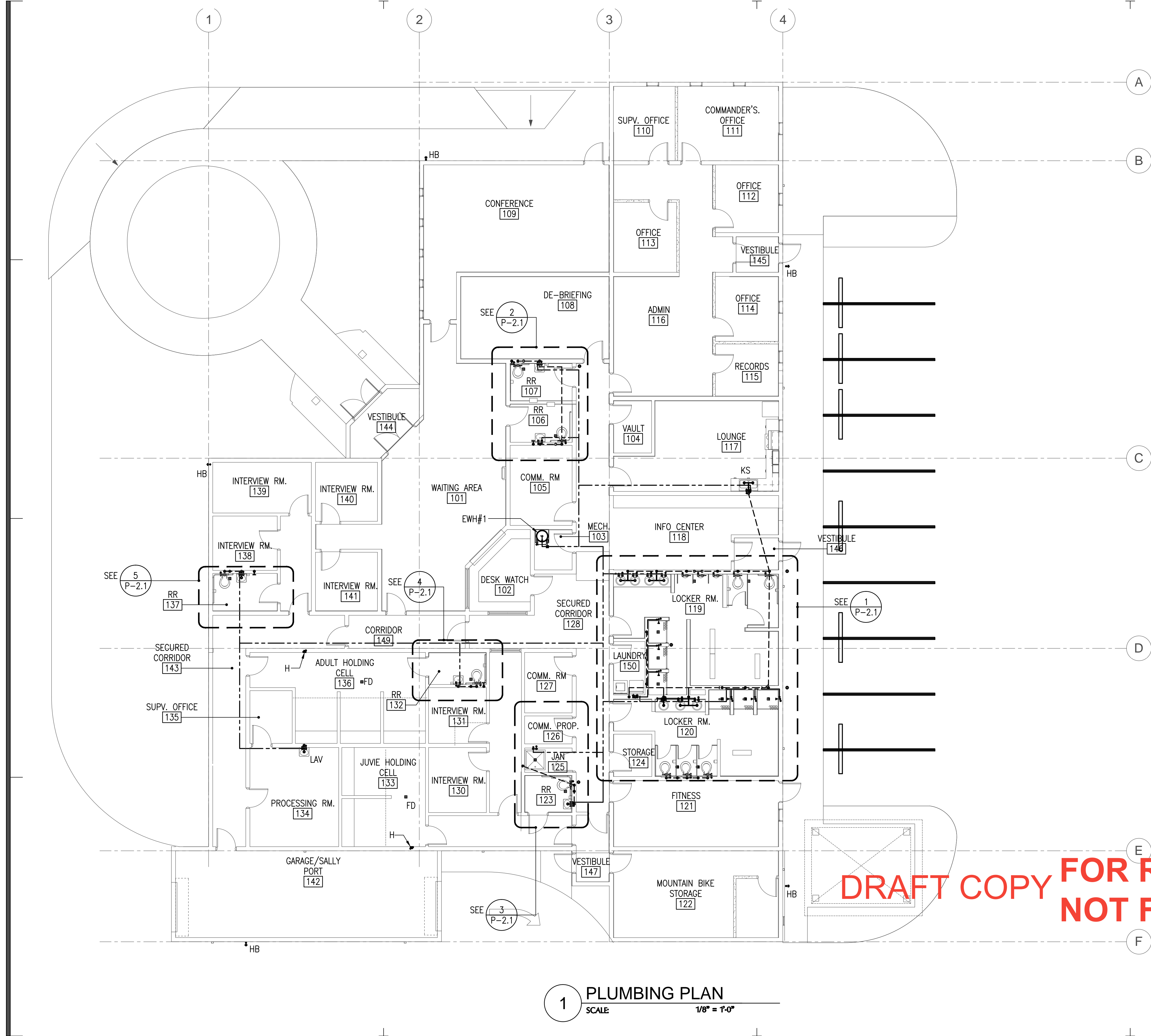
Project:
CENTRAL POLICE PRECINCT

Title:
UNDERGROUND PIPING PLAN

BID DOCUMENTS

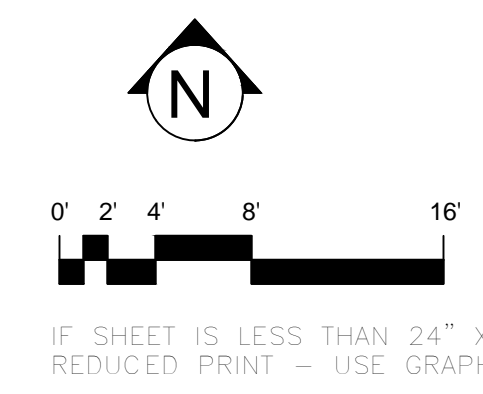
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1 PLUMBING PLAN
SCALE 1/8" = 1'-0"

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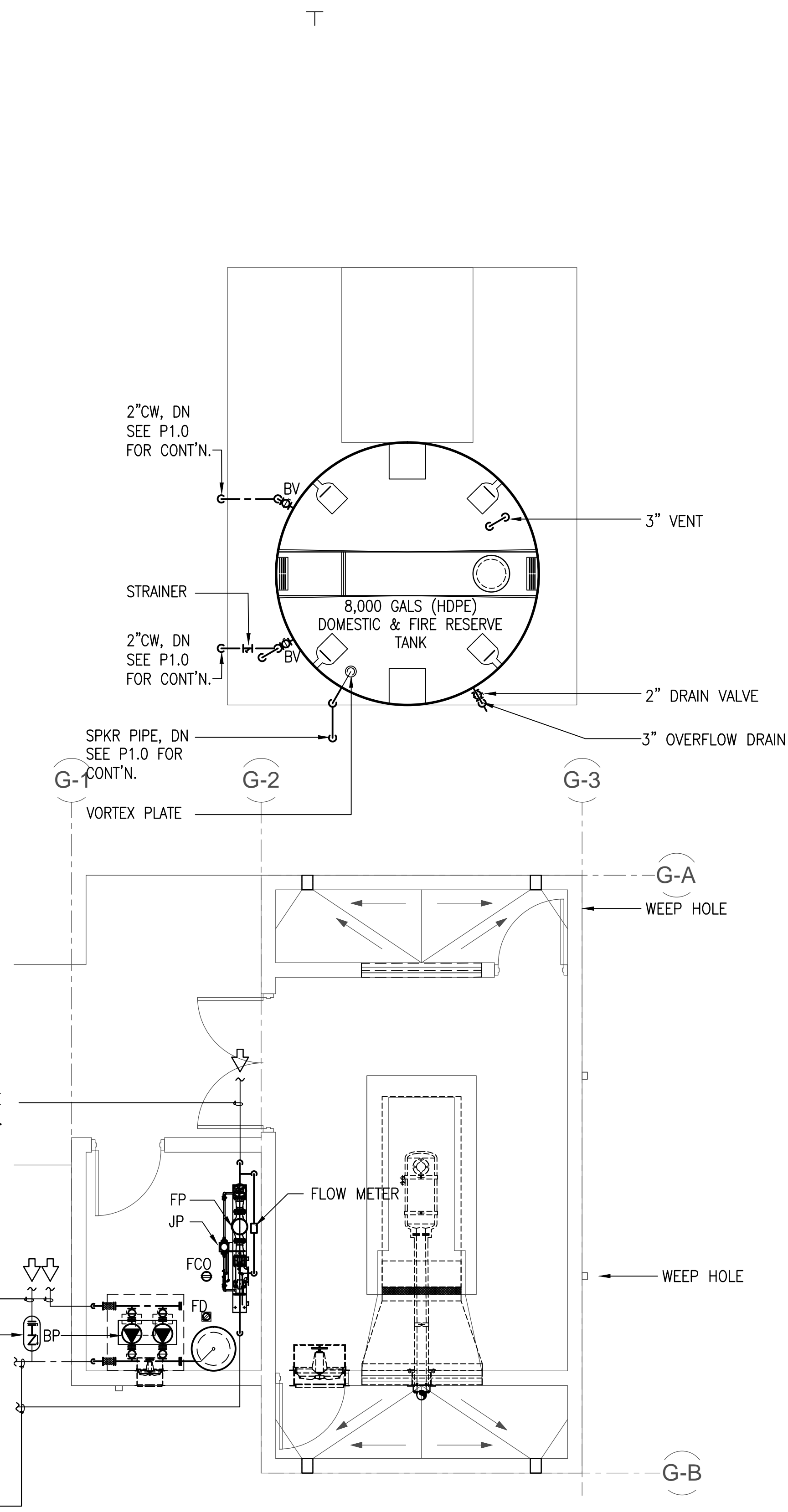
Project:
CENTRAL
POLICE PRECINCT

Title:
PLUMBING PLAN

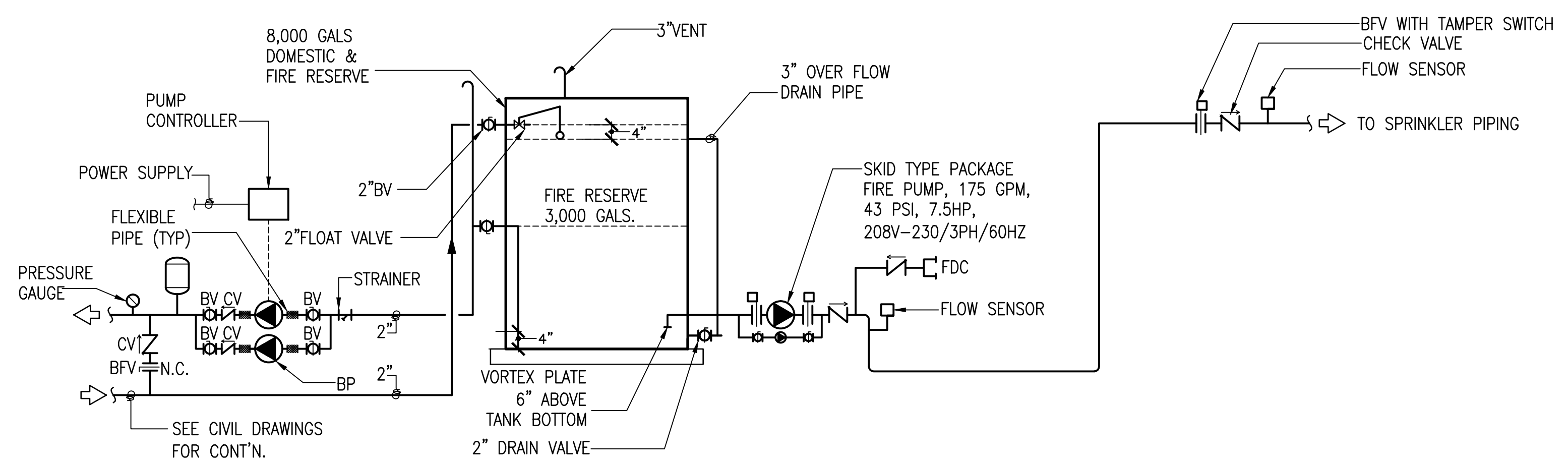
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Drawing No.

P1.1
Sheet No. of



1 ENLARGE PLAN - PUMP ROOM & WATER TANK PIPING PLAN
SCALE 1/4" = 1'-0"



2 DOMESTIC WATER TANK & FIRE SPRINKLER RISER SCHEMATIC
NOT TO SCALE

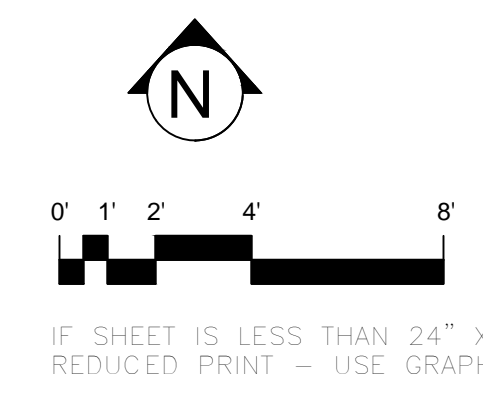
SKID-TYPE FIRE PUMP SYSTEM

MARK	DESCRIPTION	MANUFACTURER & MODEL OR APPROVED EQUAL	CAPACITY	POWER	VOLTS	PHASE	CYCLE	REMARKS
FP	ELECTRIC DRIVEN SPLIT-CASE FIRE PUMP	PACKAGE SKID-TYPE FIRE PUMP SYSTEM "ARMSTRONG" FIREPAK ULTRA PLUS	175 GPM @ 43 PSI TOTAL HEAD	7.5 HP	208/230	3	60	COMPLETE ACCESSORIES W/ 3X3X10(3) PUMP, 1800 RPM, WITH AUTOMATIC TRANSFER SWITCH (ATS) TO BE REVIEWED BY ELECTRICAL DOR.
JP	JOCKEY PUMP	SERIES F4516 VERTICAL IN-LINE FIRE PUMP	5 GPM @ 53 PSI TOTAL HEAD	0.5 HP		1	60	INCLUDED IN PACKAGE FIRE PUMP SYSTEM

BOOSTER PUMP SYSTEM

MARK	DESCRIPTION	MANUFACTURER & MODEL OR APPROVED EQUAL	CAPACITY	POWER	VOLTS	PHASE	CYCLE	REMARKS
BP	DOMESTIC WATER BOOSTER PUMP SYSTEM	"GOULDS PUMP WITH AQUAVAR CONTROLLER"	90 GPM @ 80 FT. HEAD	2-3 HP	208	3	60	PACKAGE UNIT

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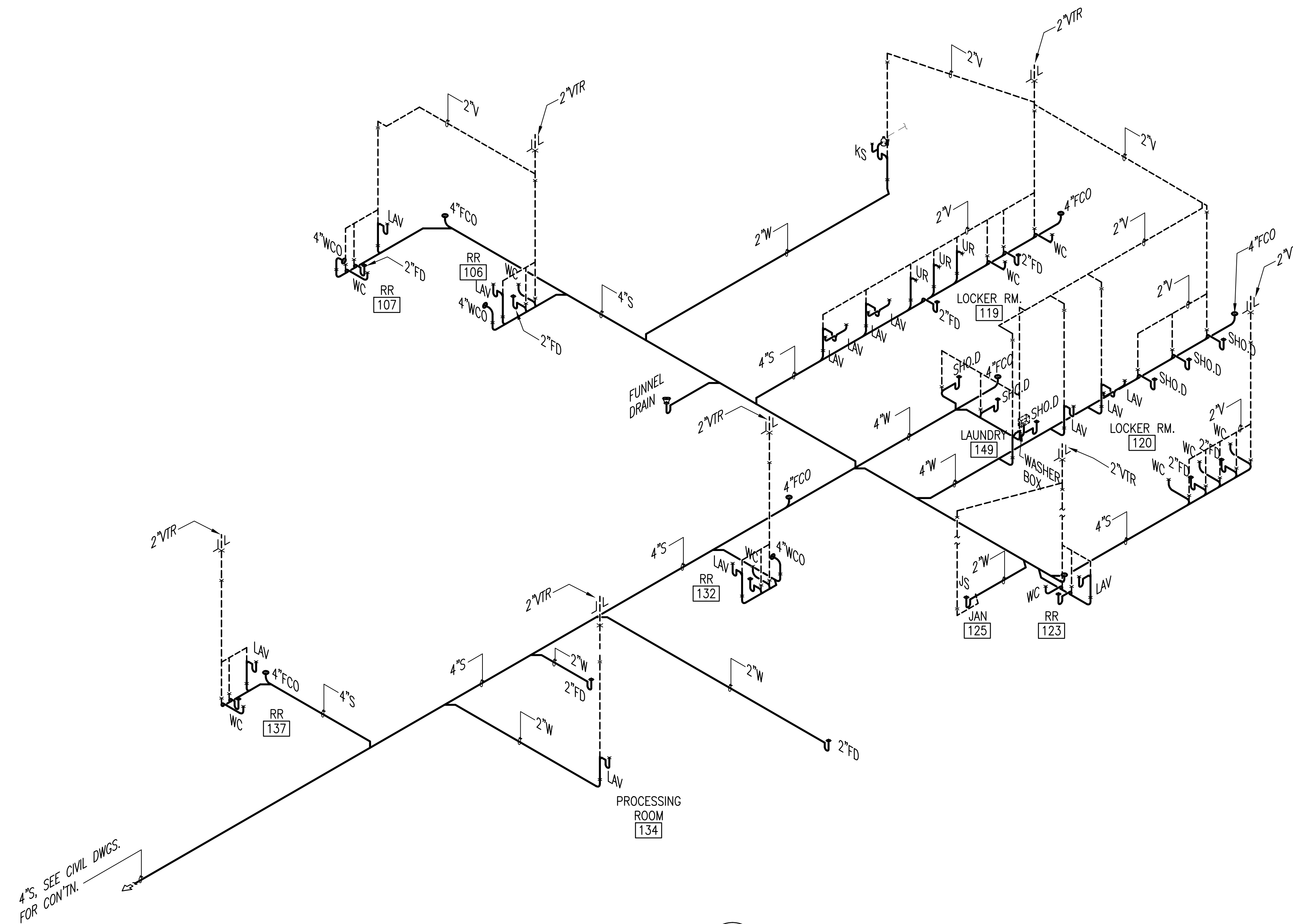
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Project: **CENTRAL POLICE PRECINCT**

Title: **ENLARGE PLANS - PUMP RM. & WATER TANK PIPING PLAN, DOMESTIC WATER TANK & FIRE SPRINKLER RISER SCHEMATIC, PUMP SCHEDULE**
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4\"/>

1 S, W & VENT PIPING ISOMETRIC
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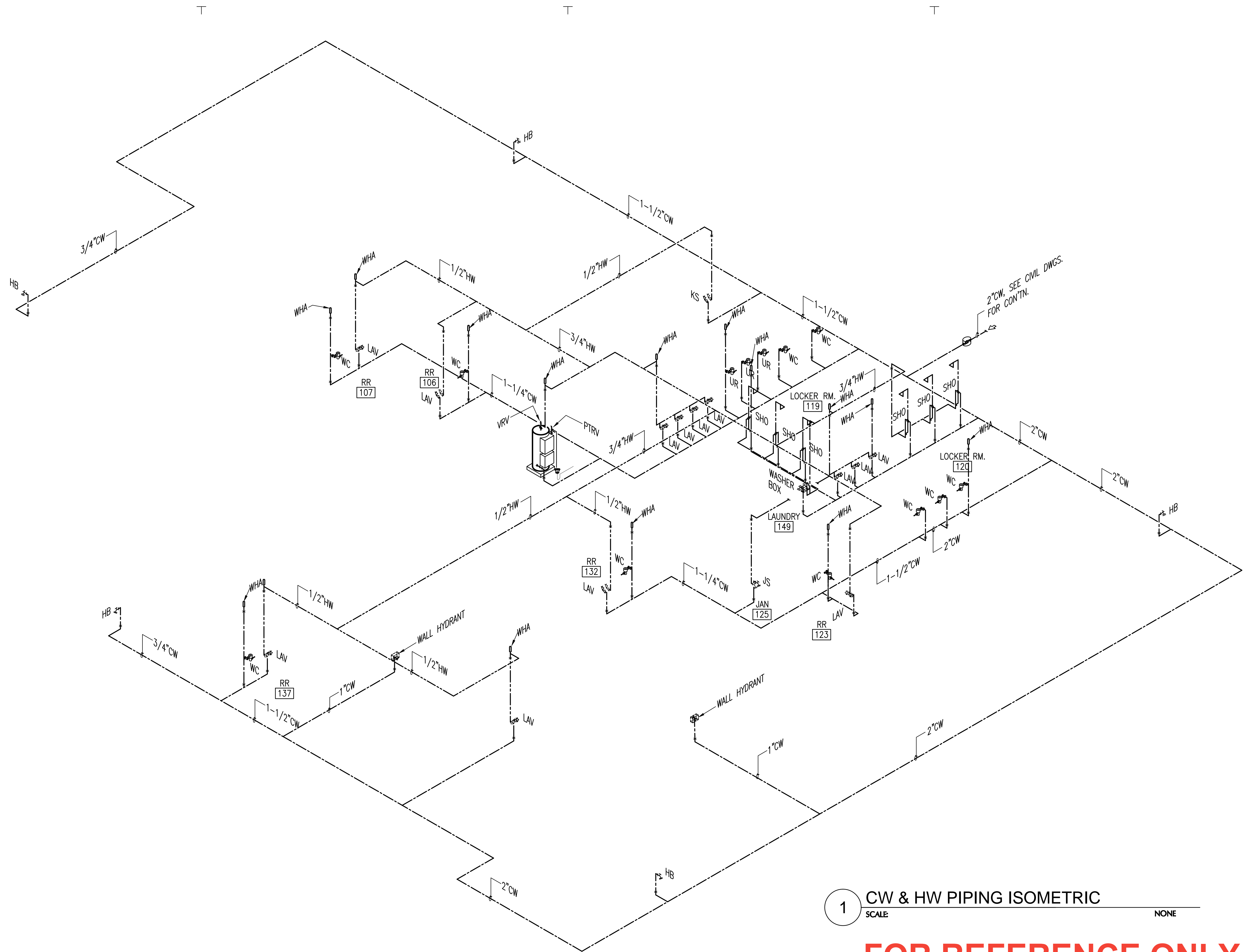
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Project:
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POLICE PRECINCT

Title:
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PIPING ISOMETRIC
BID DOCUMENTS

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Drawing No.

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1 CW & HW PIPING ISOMETRIC
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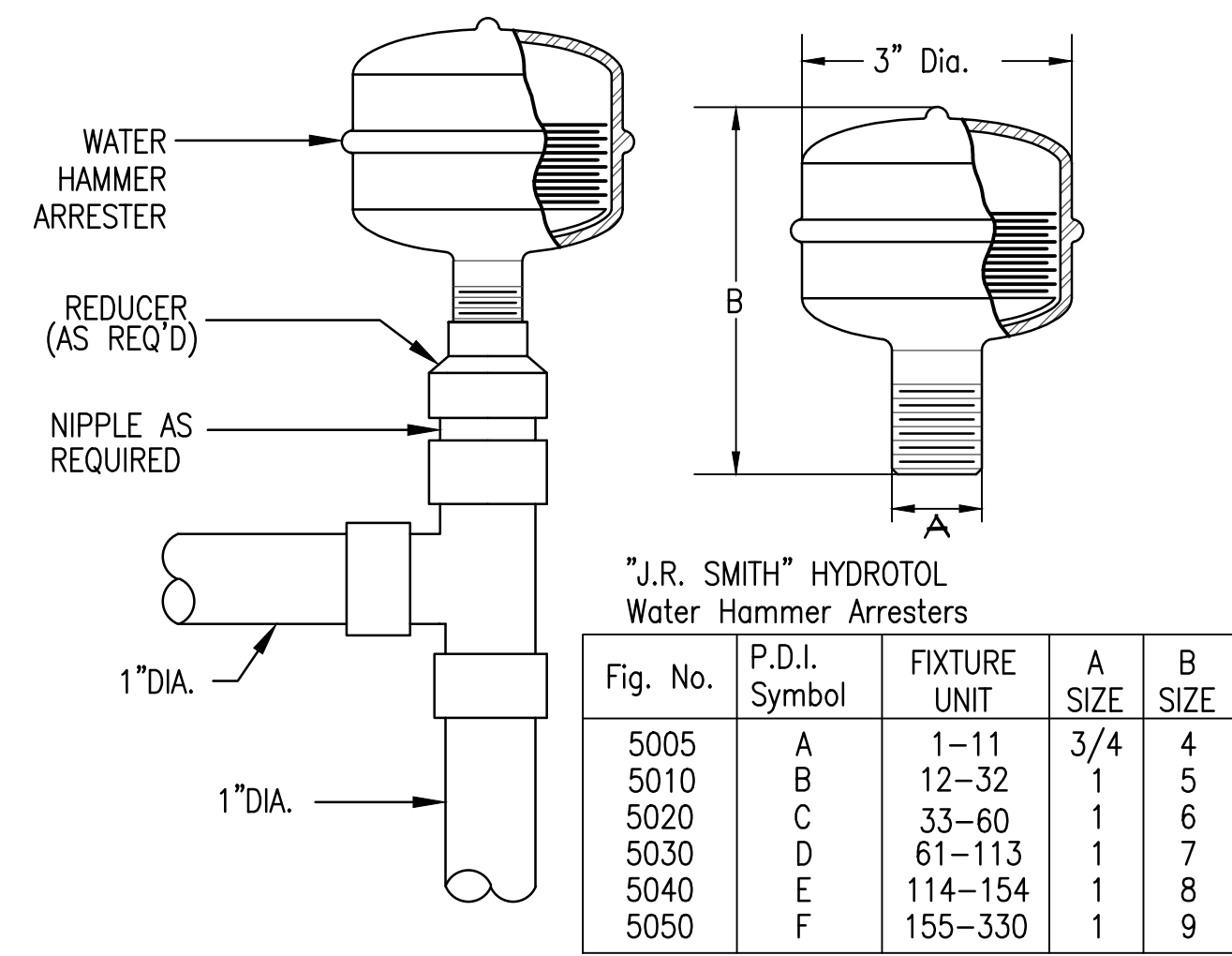
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Project:
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Title:
CW & HW
PIPING ISOMETRIC
BID DOCUMENTS

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No.
Drawing No.

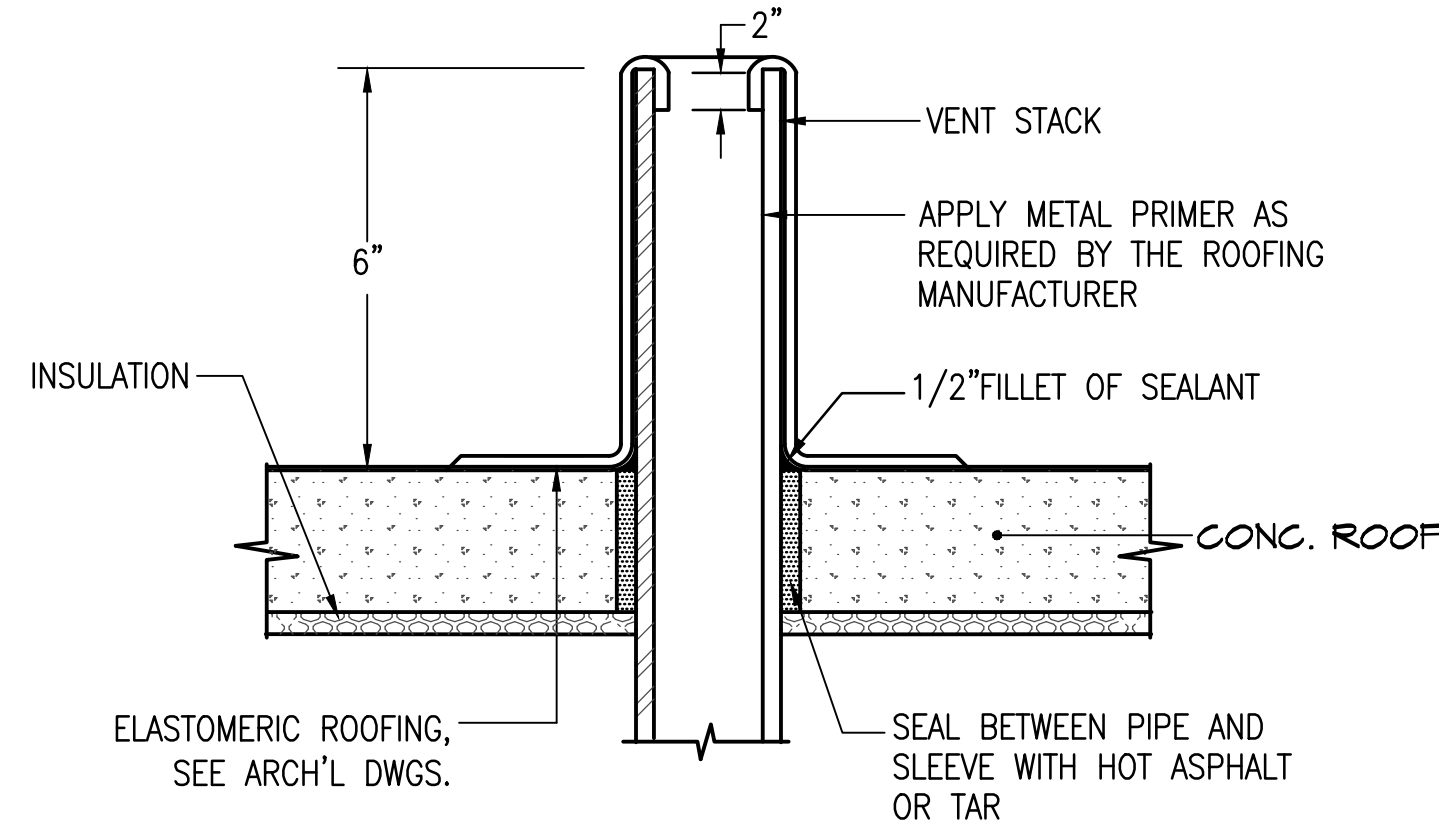
P3.2
Sheet No. _____ of _____



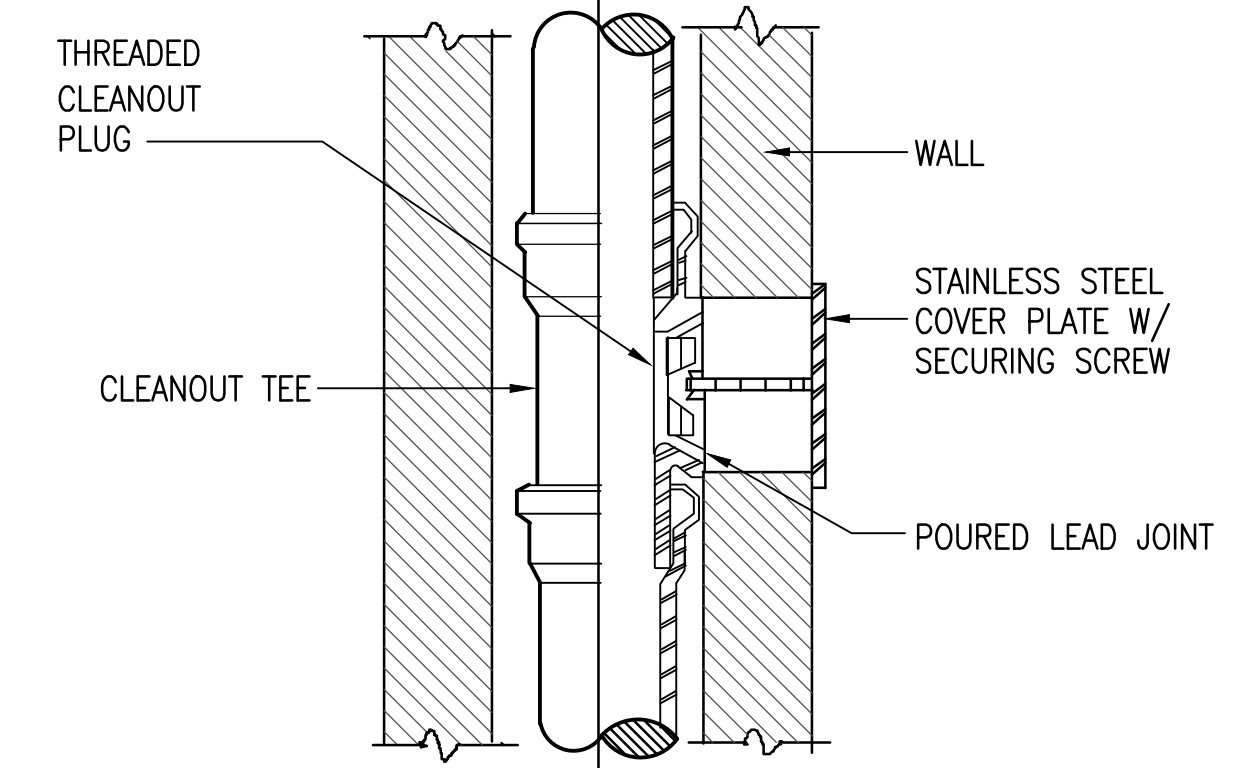
"J.R. SMITH" HYDROTOL
Water Hammer Arresters

Fig. No.	P.D.I. Symbol	FIXTURE UNIT	A SIZE	B SIZE
5005	A	1-11	3/4	4
5010	B	12-32	1	5
5020	C	33-60	1	6
5030	D	61-113	1	7
5040	E	114-154	1	8
5050	F	155-330	1	9

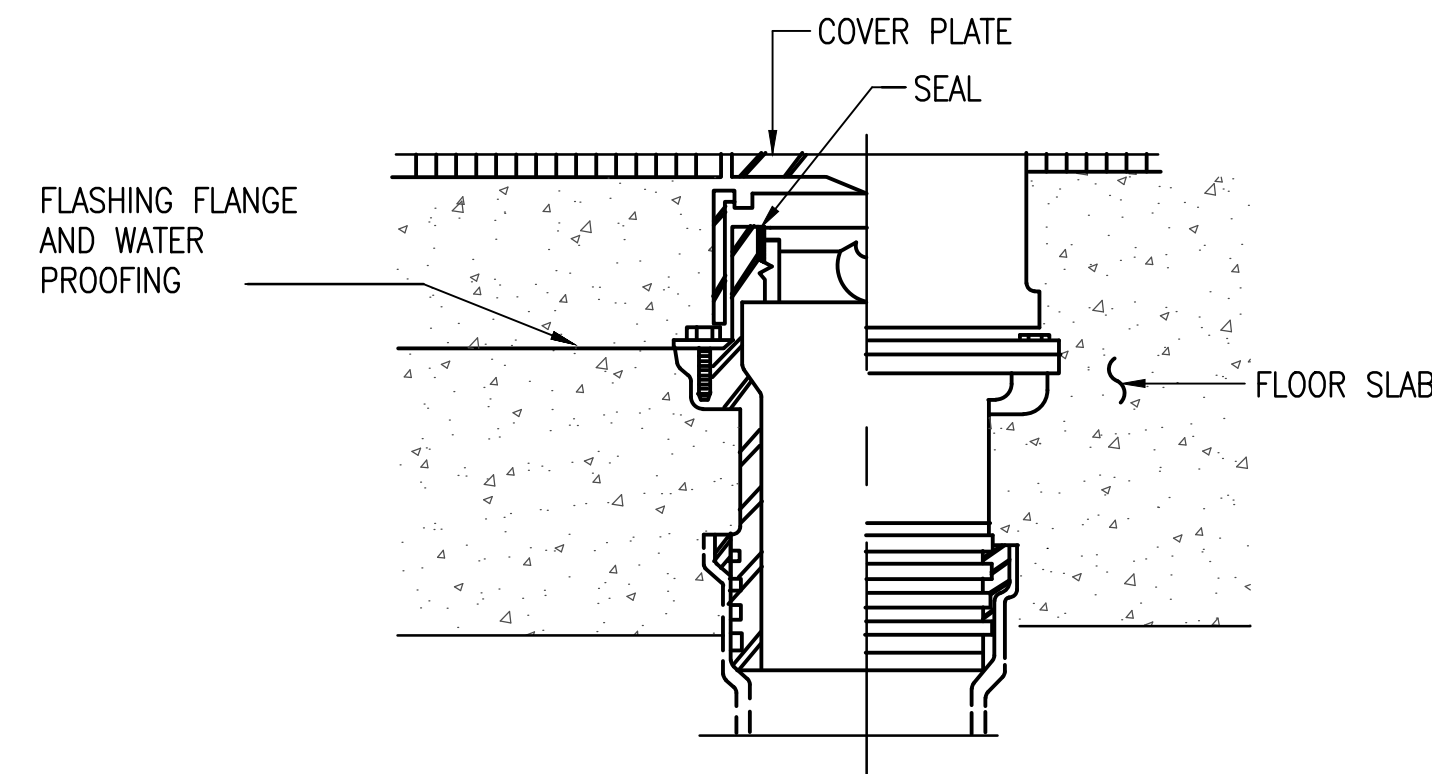
1 WATER HAMMER ARRESTER
SCALE: NONE



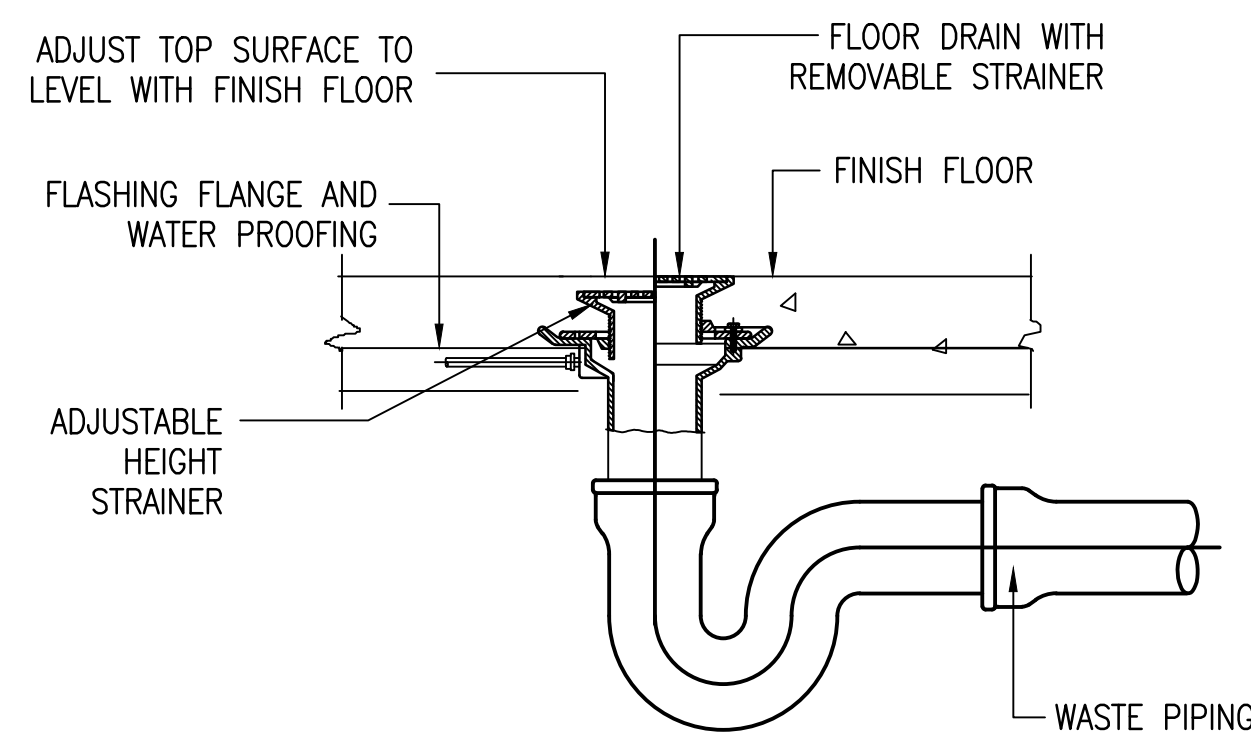
2 VENT THRU ROOF DETAIL
SCALE: NONE



3 WALL CLEAN OUT DETAIL
SCALE: NONE



4 FLOOR CLEAN OUT DETAIL
SCALE: NONE



5 FLOOR DRAIN DETAIL
SCALE: NONE

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Project:
**CENTRAL
POLICE PRECINCT**

Title:
**SOLAR WATER
HEATER SCHEMATICS,
DETAILS**

BID DOCUMENTS

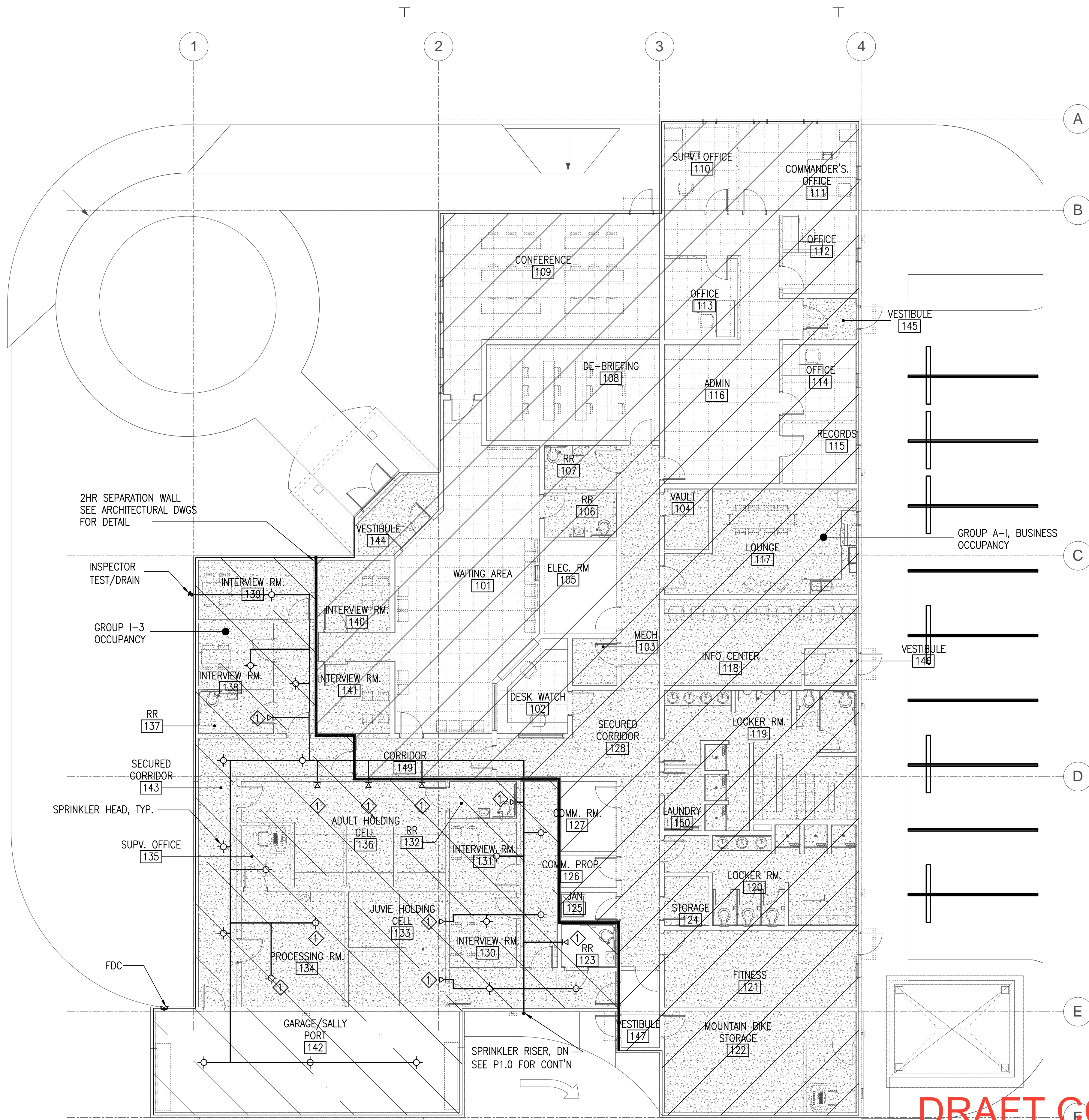
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1 FIRE SPRINKLER PLAN
SCALE 1/8" = 1'-0"

LEGEND:

SYMBOL	ABBREVIATION	DESCRIPTION
		PIPE ELBOW DOWN
		PIPE TEE DOWN
	SPKR	SPRINKLER PIPE LINE
		CONCEALED PENDENT TYPE SPRK HEAD
		SPKR HEAD UPRIGHT
		SPKR HEAD SIDEWALL TYPE
	CONT'N.	CONTINUATION
	SPKR	SPRINKLER
	SPH	SPRINKLER HEAD
	TYP.	TYPICAL

FIRE PROTECTION NOTES:

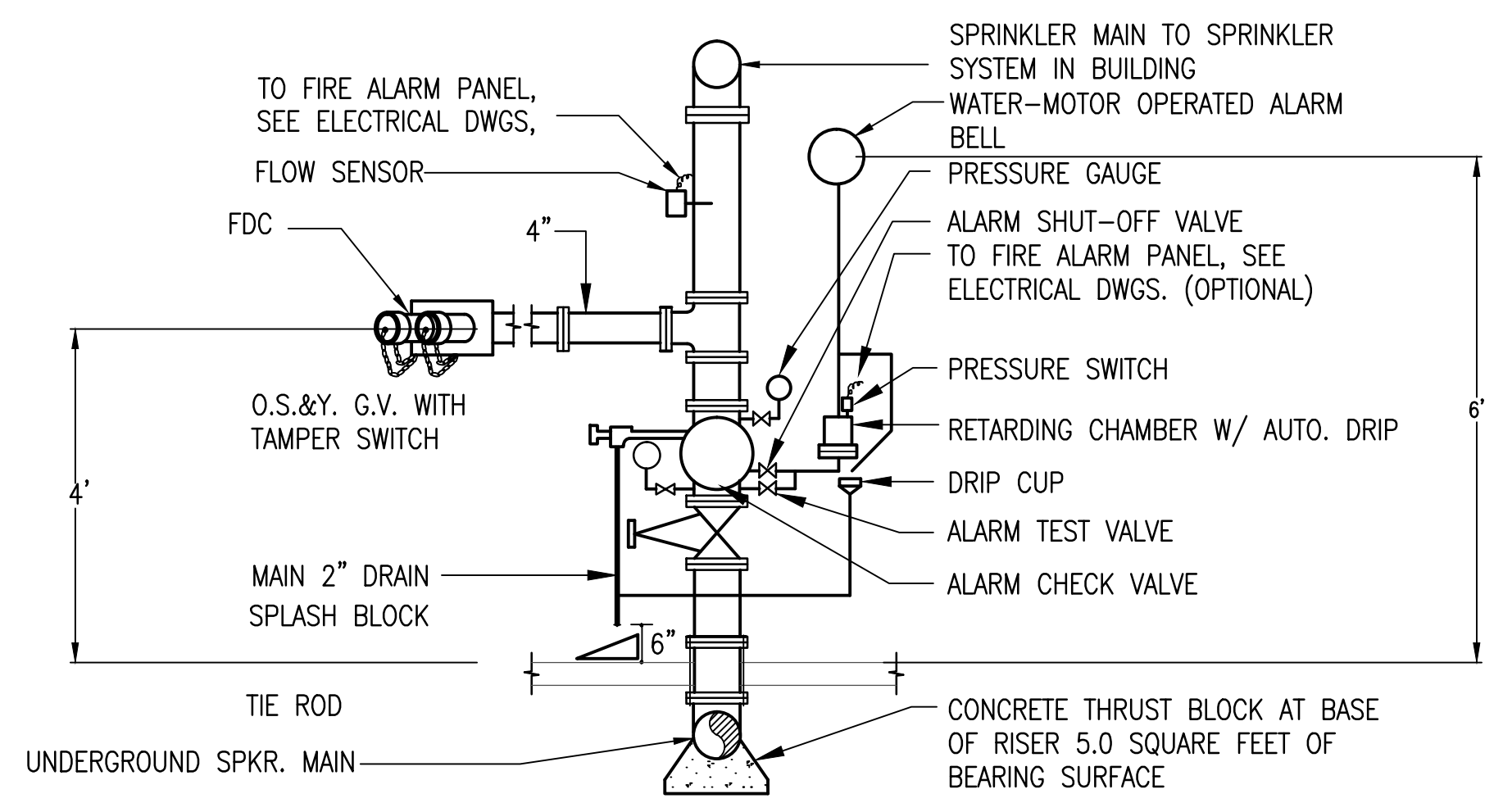
1. THESE PRELIMINARY SPRINKLER DRAWINGS ARE TO BE SUBMITTED TO GUAM FIRE DEPARTMENT FOR BUILDING PERMIT APPLICATION IN ACCORDANCE WITH PAR A.221, NFPA 13.
2. SPRINKLER CONTRACTOR TO SUBMIT TO THE GUAM FIRE DEPARTMENT (GFD) WORKING DRAWINGS (INSTALLATION SHOP DRAWINGS) AND HYDRAULIC CALCULATIONS WHICH MUST BE APPROVED PRIOR TO THE INSTALLATION OF THE SYSTEM EQUIPMENT. WORKING DRAWINGS SHALL MEET NFPA 13 AND BE PREPARED UNDER THE SUPERVISION OF A GUAM-REGISTERED FIRE PROTECTION ENGINEER.
3. ALL DEVICES AND EQUIPMENT SHALL BE U.L. LISTED OR FM APPROVED.
4. PROVIDE HOOD OR SHIELD FOR ELECTRICAL EQUIPMENT PER NFPA 13 PAR. 8.15.10.2.
5. ALL SPRINKLER WORK SHALL BE IN ACCORDANCE WITH THE 2009 INTERNATIONAL FIRE CODE, THE LATEST EDITION OF NFPA 13 AND GUAM FIRE DEPARTMENT RULES AND REGULATION. OCCUPANCY CLASSIFICATION SHALL BE GROUP B & GROUP I-3, LIGHT HAZARD.
6. OCCUPANCY CLASSIFICATION FOR DETENTION AREAS ARE GROUP I-3.
7. OCCUPANCY CLASSIFICATION FOR OFFICE & OPERATION AREAS ARE GROUP A-I, GROUP B - BUSINESS

KEYED NOTES:

- ◆ PROVIDE INSTITUTIONAL (TAMPER RESISTANT) SPRINKLER HEAD

NOTES:

1. BASIC BID INCLUDES SPRINKLER SYSTEM WITH SKID MOUNTED FIRE PUMP SYSTEM SHOWN ON DWG P2.2.
2. FOR DEDUCTIVE BID ITEM FP1.0.DWG, DELETE SKID MOUNTED FIRE PUMP SYSTEM AND CONNECT SPRINKLER SYSTEM TO FIRE WATER MAIN SHOWN ON THE CIVIL DRAWINGS. PROVIDE SPRINKLER RISER AS SHOWN ON 2/FP1.0. SEE 5/FP2.0 FOR FIRE DEPARTMENT CONNECTION DETAIL.



2 FIRE SPRINKLER RISER DETAIL
SCALE NONE

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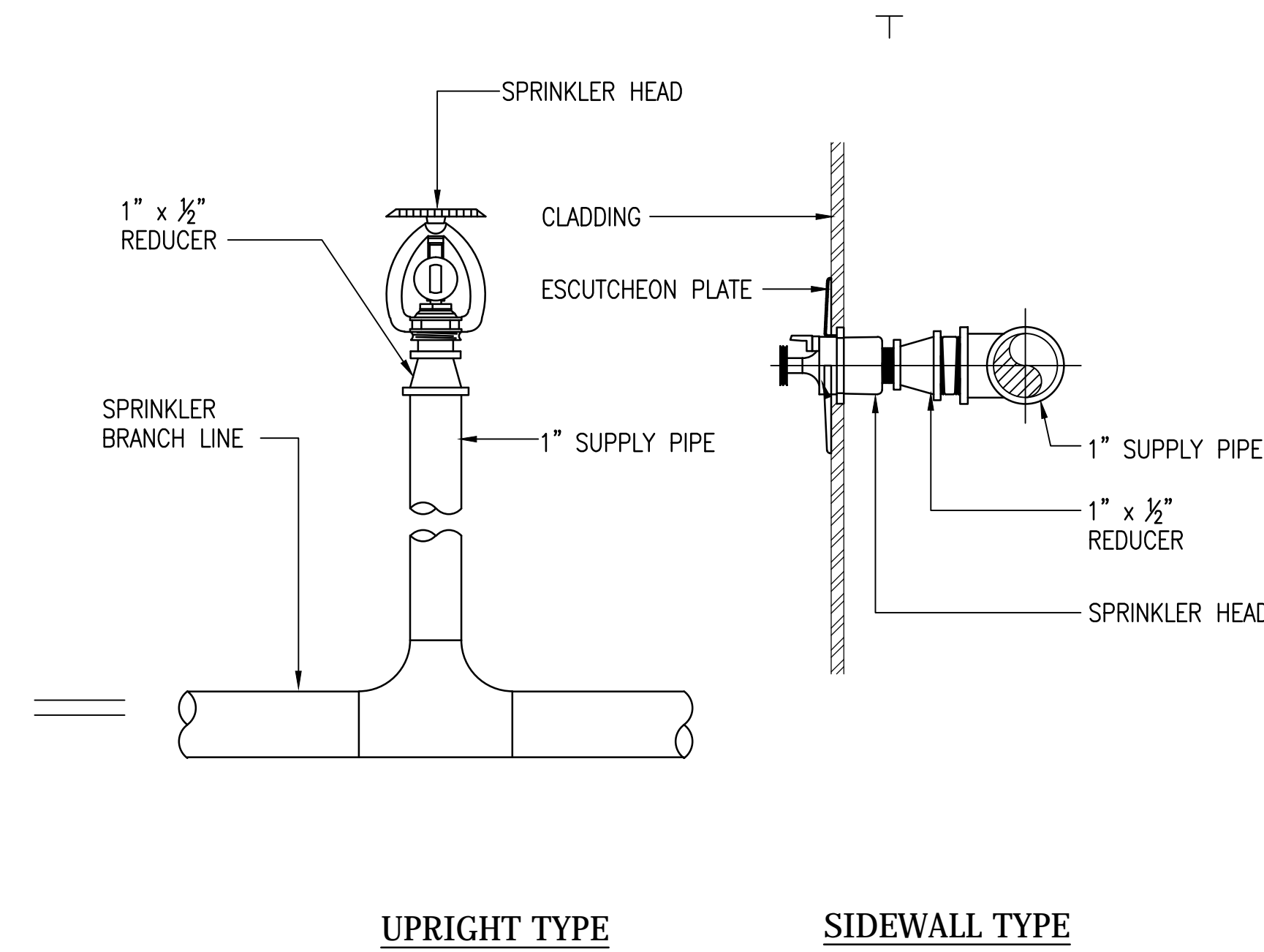
Project:
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Title:
FIRE SPRINKLER PLAN

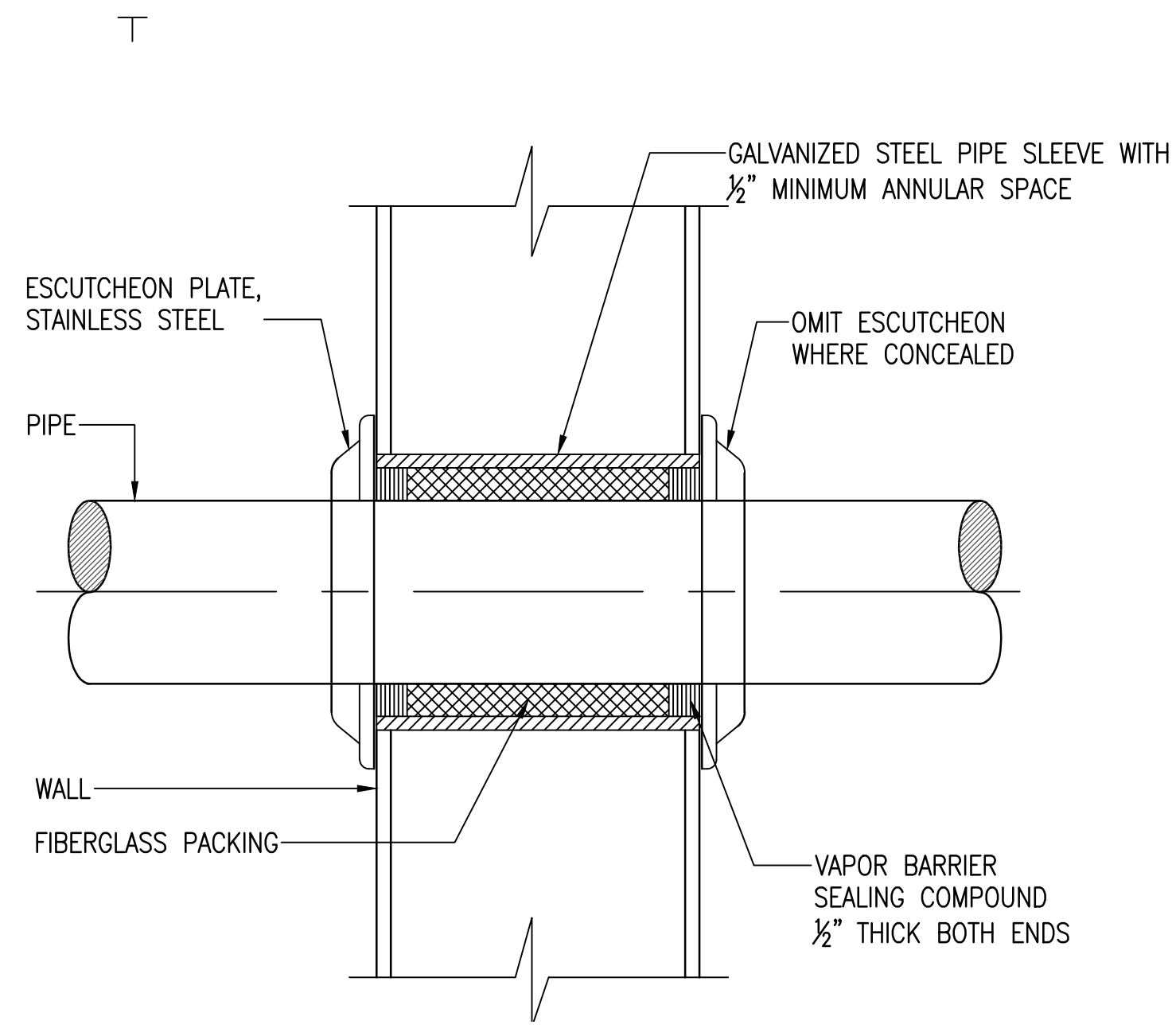
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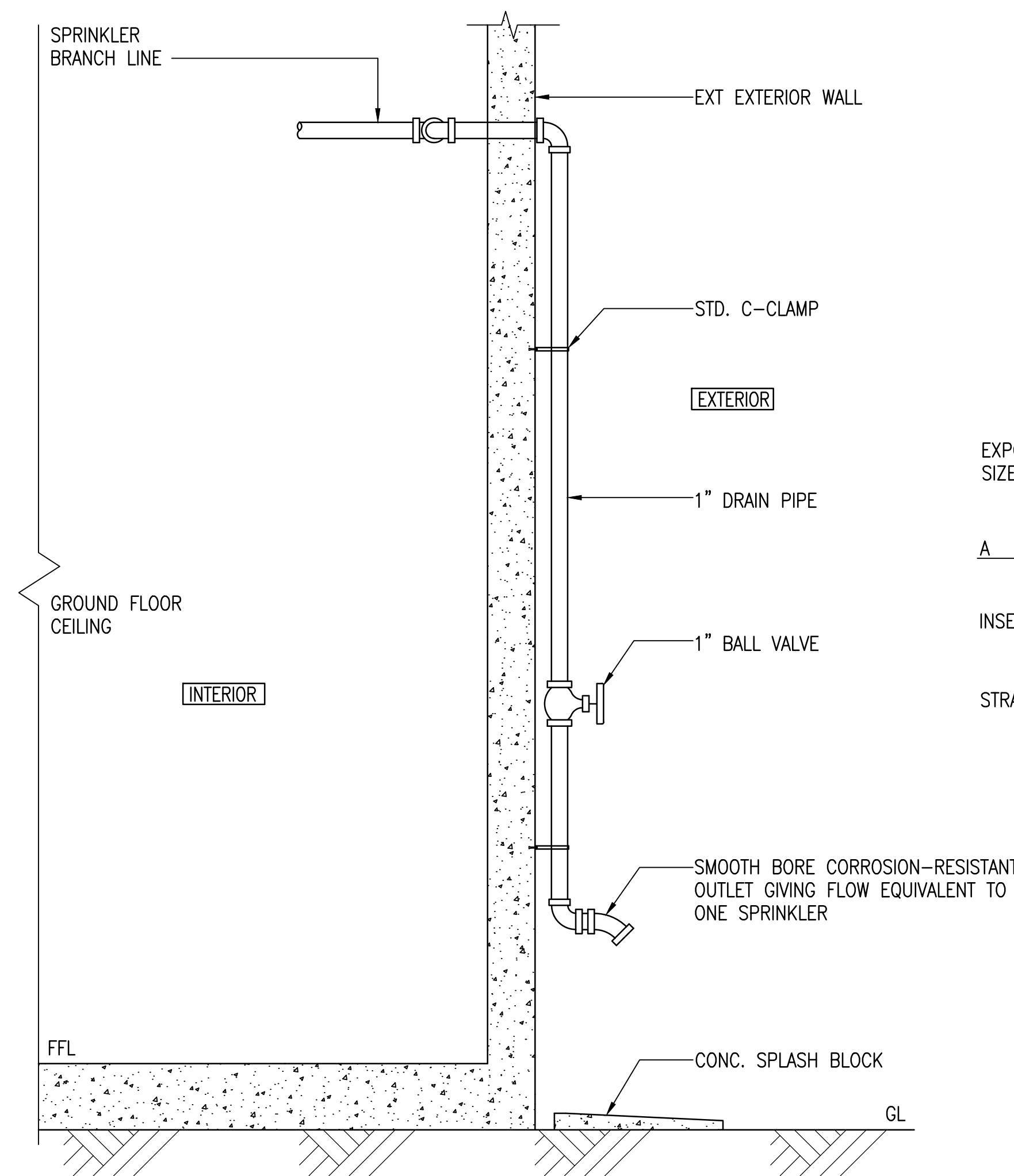
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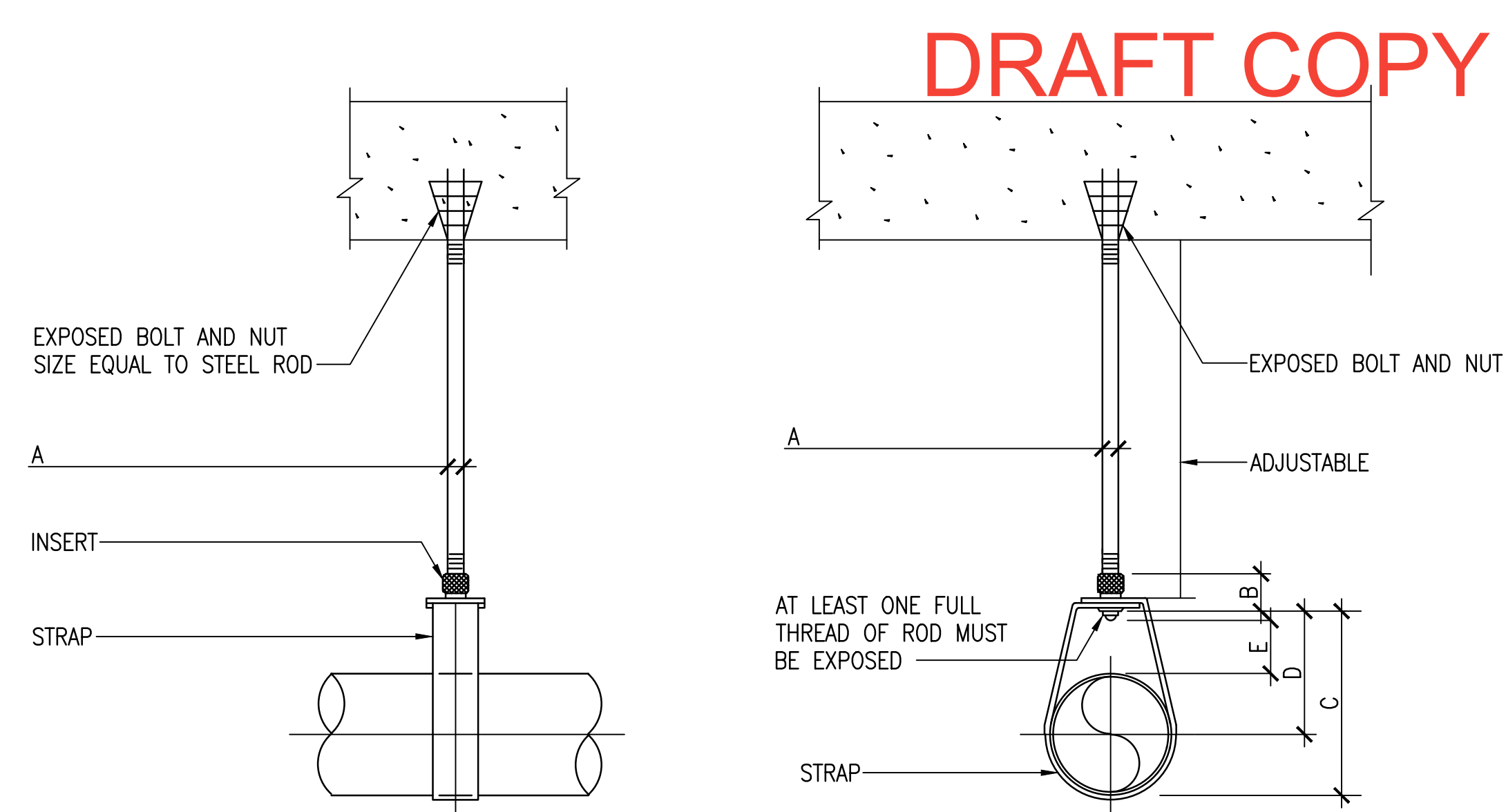
1 SPRINKLER HEAD DETAILS
SCALE: NONE



2 PIPE THRU WALL DETAIL
SCALE: NONE



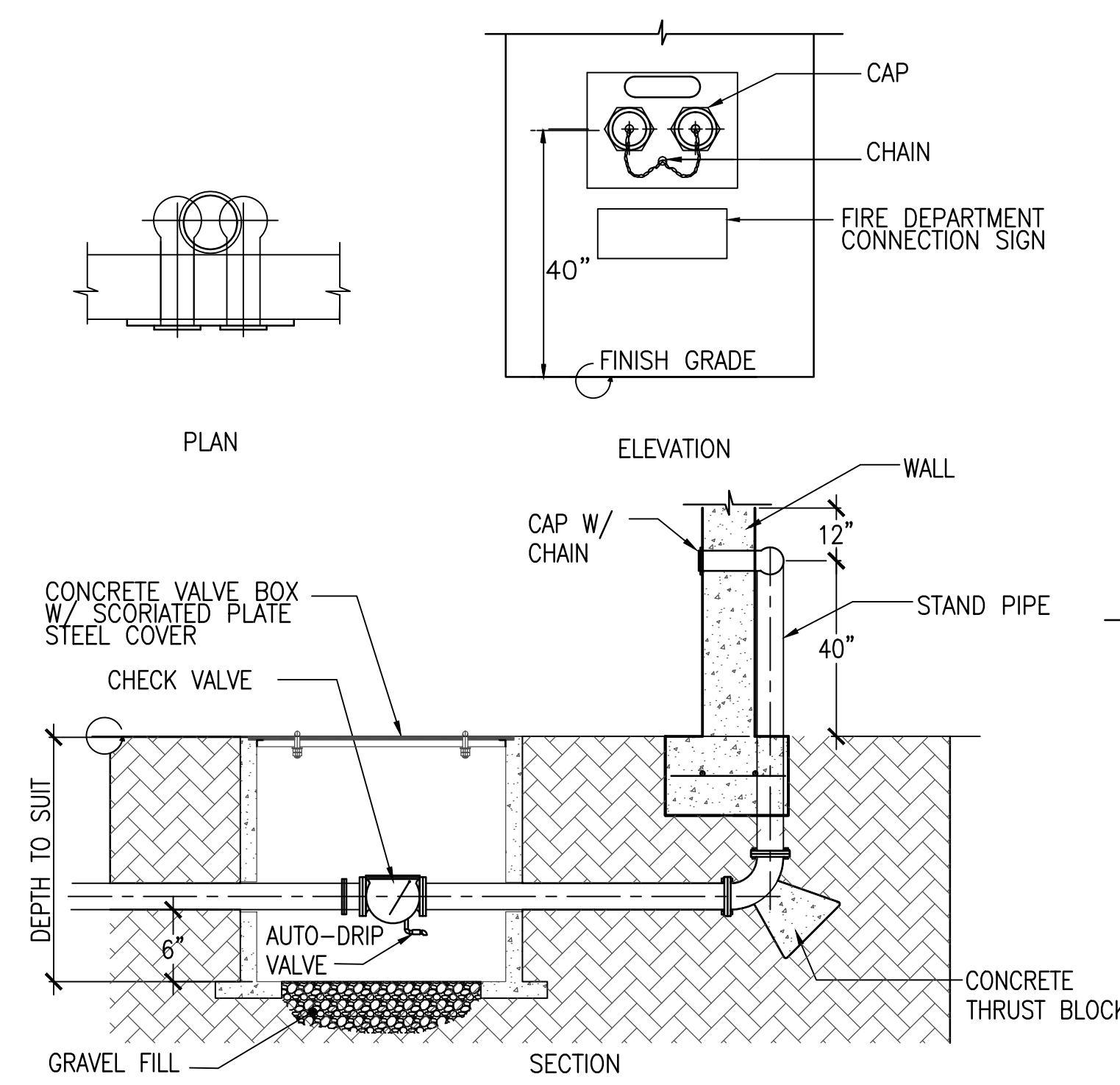
3 INSPECTOR TEST VALVE DETAIL
SCALE: NONE



NOMINAL PIPE SIZE, (IN.)	DIMENSIONS, (IN.)					STRAP SIZE, (IN.)	MAX. SPACING, (FT.)
	A	B	C	D	E		
1	3/8	1	2 1/2	2	1 1/8	5/8 x 1	12
1 1/4			2 1/16	2	1		
1 1/2			3	2	1 1/8	5/8 x 1	
2			3 1/2	2 3/8	2 1/8		
2 1/2			4 3/16	3	1 1/2	3/16 x 1 1/4	
3			5 3/16	3	1 1/2		
4			6 3/8	4	1 1/2	1/4 x 1 1/4	

4 PIPE HANGER DETAIL
SCALE: NONE

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5 FIRE DEPARTMENT CONNECTION DETAIL, BASIC BID
SCALE: NONE

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Project: CENTRAL POLICE PRECINCT

Title: DETAILS

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Sheet No. of

GENERAL NOTES AND SPECIFICATIONS

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE (NEC), 2014 EDITION; RULES AND REGULATIONS OF THE DEPARTMENT OF PUBLIC WORKS, AND GOVERNMENT OF GUAM.
- ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED WHERE LISTING IS AVAILABLE FOR THAT TYPE OF EQUIPMENT OR CONFORM TO ANSI OR NEMA STANDARDS. SUBMIT SHOP DRAWINGS AND PRODUCT INFORMATION CATALOG FOR APPROVAL.
- WORKMANSHIP SHALL CONFORM TO CONSTRUCTION PRACTICES RECOMMENDED BY THE AMERICAN ELECTRICIANS HANDBOOK BY CROFT (LATEST EDITION) AND SHALL BE SUBJECT TO THE APPROVAL OF THE AGENCY WHO HAS JURISDICTION AND THE ENGINEER.
- ANY DEVICE MAY BE RELOCATED FROM THE LOCATION SHOWN ON DRAWINGS PRIOR TO INSTALLATION AT THE DIRECTION OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.
- METALLIC ENCLOSURES, RACEWAYS, AND ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH REQUIREMENTS OF NEC ARTICLE 250. PROVIDE GROUND WIRE IN EVERY RACEWAY. SIZE IN ACCORDANCE WITH NEC TABLE.
- OBTAIN AND PAY FOR PERMITS.
- CONDUIT SHALL BE PVC (ENCASED IN CONCRETE AND BELOW GRADE), ALUMINUM (EXPOSED INSTALLATION), EMT (DRY LOCATIONS, CONCEALED ABOVE GRADE). 3/4" MINIMUM DIAMETER UNLESS OTHERWISE NOTED.
- WIRING SHALL BE NEC TYPE THW, THWN OR XHHW, 600V. CONDUCTORS SHALL BE COPPER.
- TEST: TESTING IN PRESENCE OF ENGINEER. RESULTS SUBMITTED FOR APPROVAL TO ENGINEER.
 - MEASUREMENT OF VOLTAGES AT SERVICE EQUIPMENT.
 - OPERATION TEST
 - INSULATION RESISTANCE
 - GROUNDING TEST
- ELECTRICAL INSTALLATION SHALL BE UNDER FULL SUPERVISION OF A PROFESSIONAL ELECTRICAL ENGINEER OR A MASTER ELECTRICIAN REGISTERED TO PRACTICE IN GUAM.
- PANELBOARD SHALL BE COMPLETE WITH COPPER BUS, ENCLOSURE AND TRIM, COMPLEMENT OF MOLDED PLASTIC CASE CIRCUIT BREAKERS WITH RATINGS AS INDICATED, AND COMPLETED TYPEWRITTEN CIRCUIT DIRECTORY.
- SUBSTITUTE MATERIALS TO BE EQUAL QUALITY TO SPECIFIED ITEM. IF SUBSTITUTE MATERIALS ARE PROPOSED, SUBMIT SIX (6) COPIES OF SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING. PROVIDE SAMPLES OF SUBSTITUTE MATERIALS, IF REQUESTED TO EVALUATE EQUALITY OF PROPOSED SUBSTITUTION.
- GUARANTEE – THE ENTIRE INSTALLATION SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP, WHEN NOTIFIED BY THE OWNER OF FAILURE OF ANY PART OF THE INSTALLATION DURING THE GUARANTEE PERIOD. CONTRACTOR SHALL REPAIR OR REPLACE THE DEFECTIVE PART AT HIS OWN EXPENSE TO THE SATISFACTION OF THE OWNER.
- INSTALLATION AND WORKMANSHIP:
 - ALL WORK SHALL BE NEATLY EXECUTED, WORKMANLIKE IN APPEARANCE, SYMMETRICAL, PLUMB, UNIFORM, PROPERLY ALIGNED AND SECURED IN PLACE.
 - WIRING METHODS:
 - USE SEALTITE FLEX FOR CONNECTION TO EQUIPMENT.
 - ATTACH TO CONCRETE AND MASONRY WITH EXPANSION ANCHORS AND TO WOOD WITH WOOD SCREWS.
 - SUPPORT RACEWAYS PER NEC.
 - DO NOT SUPPORT RACEWAYS AND BOXES FROM AND ON MECHANICAL SYSTEMS.
 - CABLES WILL NOT BE PERMITTED.
 - CONDUCTORS:
 - MAKE SPLICES IN ACCESSIBLE LOCATIONS. MAKE SPLICES IN CONDUCTORS No. 10 AWG AND SMALLER DIAMETER WITH INSULATED, PRESSURE-TYPE CONNECTOR. MAKE SPLICES IN CONDUCTORS No.8 AWG AND LARGER DIAMETER WITH SOLDERLESS CONNECTOR, AND COVER WITH INSULATION MATERIAL EQUIVALENT TO CONDUCTOR INSULATION.
 - FORM WIRE NEATLY IN ENCLOSURES.
 - IDENTIFY CONDUCTORS BY COLOR CODE – NEUTRAL WIRE TO BE WHITE AND GROUND WIRE TO BE GREEN.
- CUT, DRILL AND PATCH AS REQUIRED. REPAIR ANY SURFACES DAMAGED OR MARRED. CUTTING, REPAIRS AND REFINISHING SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
- CLEAN ALL SURFACES TO RECEIVE PAINT. PAINT ANY SURFACE DAMAGED DURING INSTALLATION.
- REPAIR ALL SURFACES DAMAGED DURING THE INSTALLATION OF THE WORK SUBJECT TO THE APPROVAL OF THE ARCHITECT.

- ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE SEALED WITH APPROVED FIRESTOPPING MATERIAL.
 - PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS PASSING THROUGH SEISMIC JOINTS.
 - PROVIDE CONDUIT SEAL FOR CONDUITS PASSING THROUGH AIR CONDITIONED AND NON-AIR CONDITIONED AREAS.
 - SEISMIC CRITERIA: PER IBC 2009 OCCUPANCY IMPORTANCE FACTOR = 1.25 SEISMIC DESIGN CATEGORY D.
 - OUTDOOR INSTALLATIONS SHALL BE RATED FOR 170 MPH WINDSPEED PER IBC 2009 EXPOSURE C AND ASCE 7-05.
 - WIRING DEVICES:
 - SWITCHES: 20A – POLES AS INDICATED 120/277V, COLOR TO MATCH DEVICE PLATE.
 - RECEPTACLES: 20A, 125V. COLOR TO MATCH DEVICE PLATE.
 - FIXTURES – INSTALL FIXTURES INDICATED IN LUMINAIRE SCHEDULE COMPLETE WITH LAMPS, HANGERS, SUPPORTS, BALLAST AND ACCESSORIES.
 - DEVICE PLATES – PLASTIC – COLOR TO MATCH DEVICE.
 - OUTLETS – PROVIDE OUTLET BOXES TO SUIT CONDITIONS ENCOUNTERED. BOXES SIZED TO ACCOMMODATE CONDUCTORS PER NEC. MINIMUM SIZE OF BOX FOR USE WITH RACEWAY SYSTEMS TO BE 4" SQUARE BY 1-1/2" DEEP.
 - CIRCUIT BREAKERS AND SAFETY SWITCHES – GENERAL ELECTRIC, SQUARE D, ITE, WESTINGHOUSE OR CHALLENGER SAFETY SWITCH – HEAVY DUTY TYPE.
 - SUBMIT SHOP DRAWING AND CATALOG DATA FOR ALL MATERIALS FOR APPROVAL.
 - AT THE CONCLUSION OF THE WORK, THE CONTRACTOR SHALL INCORPORATE ALL CHANGES MADE, AND RECORDED, INTO THE SET OF REPRODUCIBLES IN A CLEAR, LEGIBLE AND REPRODUCIBLE MANNER. ALL STUB-OUTS SHALL BE DIMENSIONALLY LOCATED WITHIN THE BUILDING STRUCTURE. AS A CONDITION FOR ACCEPTANCE OF WORK, "AS-BUILT" REPRODUCIBLE SHALL BE SIGNED BY CONTRACTOR ATTESTING THAT ALL CHANGES HAVE BEEN INCORPORATED, DATED AND DELIVERED TO THE CONTRACTING OFFICER.
 - CONDUITS, RACEWAYS, WIREWAYS, TELECOM, NETWORKING AND SECURITY SYSTEMS, ENCLOSURES AND PULL BOXES FOR SYSTEMS SHALL BE INSTALLED AT A MINIMUM OF 6 INCHES AWAY FROM ANY ELECTRICAL EQUIPMENT, DEVICES, LIGHT FIXTURES INCLUDING CONDUIT AND WIRING.
- GPA NOTES**
- COORDINATE WITH GPA ENGINEERING 48 HOURS IN ADVANCE FOR INSPECTION OF MANHOLE, HANDHOLE, CONDUIT INSTALLATION, TRANSFORMER PAD AND CONDUIT/DUCT MANDRELLING PRIOR TO CONCRETE POURING.
 - OWNER SHALL GRANT A UTILITY EASEMENT TO GPA FOR POWER LINE, HANDHOLE AND TRANSFORMER PRIOR TO FINAL CONNECTION.
 - APPLICATION FOR POWER SERVICE MUST BE SUBMITTED 12 MONTHS IN ADVANCE BEFORE FINAL CONNECTION/ENERGIZATION TO ALLOW FOR DELIVERY OF GPA MATERIALS AND EQUIPMENT.
 - ALL CONDUITS MUST BE CLEANED AND MANDRELLED IN THE PRESENCE OF A GPA INSPECTOR. ALL CONDUITS MUST BE PROVIDED WITH NYLON PULL ROPE OF 200 LBS. MINIMUM PULL STRENGTH.
 - GPA HANDHOLE, TRANSFORMER AND METER SHALL BE ACCESSIBLE 24 HOURS A DAY FOR MAINTENANCE AND METER READING.
 - ALL ABOVE GROUND GPA CONDUITS SHALL BE RIGID ALUMINUM CONDUIT. ALL BELOW GRADE GPA CONDUIT SHALL BE CONCRETE ENCASED PVC SCHEDULE 40.
 - ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE. (NEC) AND NATIONAL ELECTRICAL SAFETY CODE. (NESC).
 - CONTRACTOR/OWNER SHALL IDENTIFY THE REGISTERED LAND SURVEYOR (RLS) PROPERTY MARKERS/POINTS TO THE GPA INSPECTOR AT THE JOB SITE.
 - PROVIDE 3 FEET MINIMUM CLEARANCE ALL AROUND HANDHOLES, TRANSFORMERS, AND METERING EQUIPMENT FROM FENCES, WALLS, AND STRUCTURES, ETC.
 - CONTRACTOR SHALL OBTAIN A REGISTERED LAND SURVEYOR TO PREPARE EASEMENT EXHIBITS FOR GPA POLES, HANDHOLES, TRANSFORMERS, OVERHEAD/UNDERGROUND POWER LINES AND OTHER ASSOCIATED POWER FACILITIES. COORDINATE WITH GPA ENGINEERING FOR SPECIFIC REQUIREMENTS.
 - ALL SURVEY STAKEOUTS, MAPS, AND EASEMENT DOCUMENTS SHALL BE FIELD VERIFIED BY GPA.

MOUNTING HEIGHT SCHEDULE (UNLESS OTHERWISE INDICATED)							
DEVICE ON PLAN	MOUNTING HEIGHT	REFERENCE POINT					REMARKS
		FLOOR	CEILING	TO	CL	TOP	
⊖, ⊖	15"	•			•		
⊖, ⊖, ⊖	15"	•			•		
\$, \$3	4'-0"	•			•		
HE	4'-0"	•			•		
HE, HEK	6'-8" or 6"	•	•		•	WHICHEVER IS LOWER	
	5'-6"	•			•		
	5'-6"	•			•		
	5'-6"	•			•		

SECURITY SYSTEM GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROVISIONS (POWER, COMMUNICATION, CONDUIT, ETC.) REQUIRED TO SUPPORT THE FUTURE INSTALLATION OF A SECURITY SYSTEM.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER'S SECURITY SYSTEM CONSULTANT ON FINAL DESIGN OF THE SECURITY SYSTEM.
- ITEM INSTALLED OUTDOOR SHALL BE WEATHERPROOF RATED AND SUITABLE FOR INSTALLATION IN EXTERIOR, CORROSIVE ENVIRONMENTS.
- SUBMIT SHOP DRAWINGS INDICATING THE PROVISIONS PROVIDED FOR REVIEW AND APPROVAL.

ELECTRICAL SYMBOL LIST	
	LIGHT, FLUORESCENT/LED, CEILING RECESS MOUNTED
	LIGHT, FLUORESCENT/LED, CEILING SURFACE MOUNTED
	LIGHT, FLUORESCENT/LED, WALL MOUNTED
	LIGHT, CEILING SURFACE MOUNTED
	LIGHT, CEILING RECESS MOUNTED
	LIGHT, WALL MOUNTED
	SPOTLIGHT, PIPE MOUNTED
	LED EXIT SIGN LIGHT, SHADED QUADRANT INDICATES SIGN LETTERED FACE, CHEVRON TYPE DIRECTIONAL ARROWS, CEILING/WALL MOUNTED
	SWITCH, FLUSH TUMBLER, WALL MOUNTED
	SWITCH, FLUSH TUMBLER, 3 WAY, WALL MOUNTED
	LETTER INDICATES FIXTURE OR DEVICE CONTROLLED BY SWITCH "a", OTHER LETTERS SAME
	RECEPTACLE, DUPLEX, WALL MOUNTED, 20A, 125 VOLTS, NEMA 5-15R
	SINGLE RECEPTACLE, WALL MOUNTED, 20A, 125 VOLTS, NEMA 5-20R
	JUNCTION BOX, CEILING/WALL MOUNTED
	EQUIPMENT CONNECTION
	FIRE ALARM MANUAL PULL STATION
	VISUAL ALARM, WALL MOUNTED
	FIRE ALARM AUDIO/VISUAL ALARM
	TELEPHONE OUTLET, WALL MOUNTED
	DATA OUTLET, WALL MOUNTED
	TELEVISION OUTLET, WALL MOUNTED
	SMOKE DETECTOR
	DUCT SMOKE
	EQUIPMENT DISCONNECT SWITCH, HP RATED
	ELECTRIC PANELBOARD
	FIRE ALARM CONTROL PANEL
	TELEVISION CABINET
	FLEXIBLE CONDUIT, NUMBER OF WIRES WITHIN AS REQUIRED INCLUDING GROUND
	RACEWAY, CONCEALED BELOW FIN. FLOOR OR GROUND. NUMBER OF WIRES WITHIN AS REQUIRED INCLUDING GROUND
	RACEWAY, CONCEALED IN CEILING OR WALL. NUMBER OF WIRES WITHIN AS REQUIRED INCLUDING GROUND
	TELEPHONE RACEWAY
	EMERGENCY POWER RACEWAY
	PRIMARY UNDERGROUND RACEWAY
	CABLE IN RACEWAY
	SECONDARY UNDERGROUND RACEWAY
	RACEWAY, STUBBED AND CAPPED
	ARROW, HOMERUN TO CABINET OR PANEL AS INDICATED. NUMBER OF WIRES WITHIN AS REQUIRED INCLUDING GROUND
	INDICATOR, DETAIL : TOP HALF-DETAIL NUMBER BOTTOM HALF-SHEET NUMBER (DET. LOCATION)
	INDICATOR, LIGHT FIXTURE TYPE
	NOTE INDICATOR
	AF/AT AMPERE FRAME/AMPERE TRIP
	AFF/AFG ABOVE FINISH FLOOR/GRADE
	GFI GROUND FAULT INTERRUPTER
	GND NON-FUSIBLE SWITCH
	NFS GROUND
	V VOLTAGE

REVISIONS		
No.	Description	Date

BID DOCUMENTS		

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Project:

CENTRAL
POLICE PRECINCT

Title:

ELECTRICAL SYMBOL LIST, GENERAL NOTES & SPECS, GPA NOTES

DESIGN DEVELOPMENT

Designed: FO

Drawn: FC/RS

Checked: AA

Supv: AA

Scale: AS SHOWN

Date: 12/19/2016

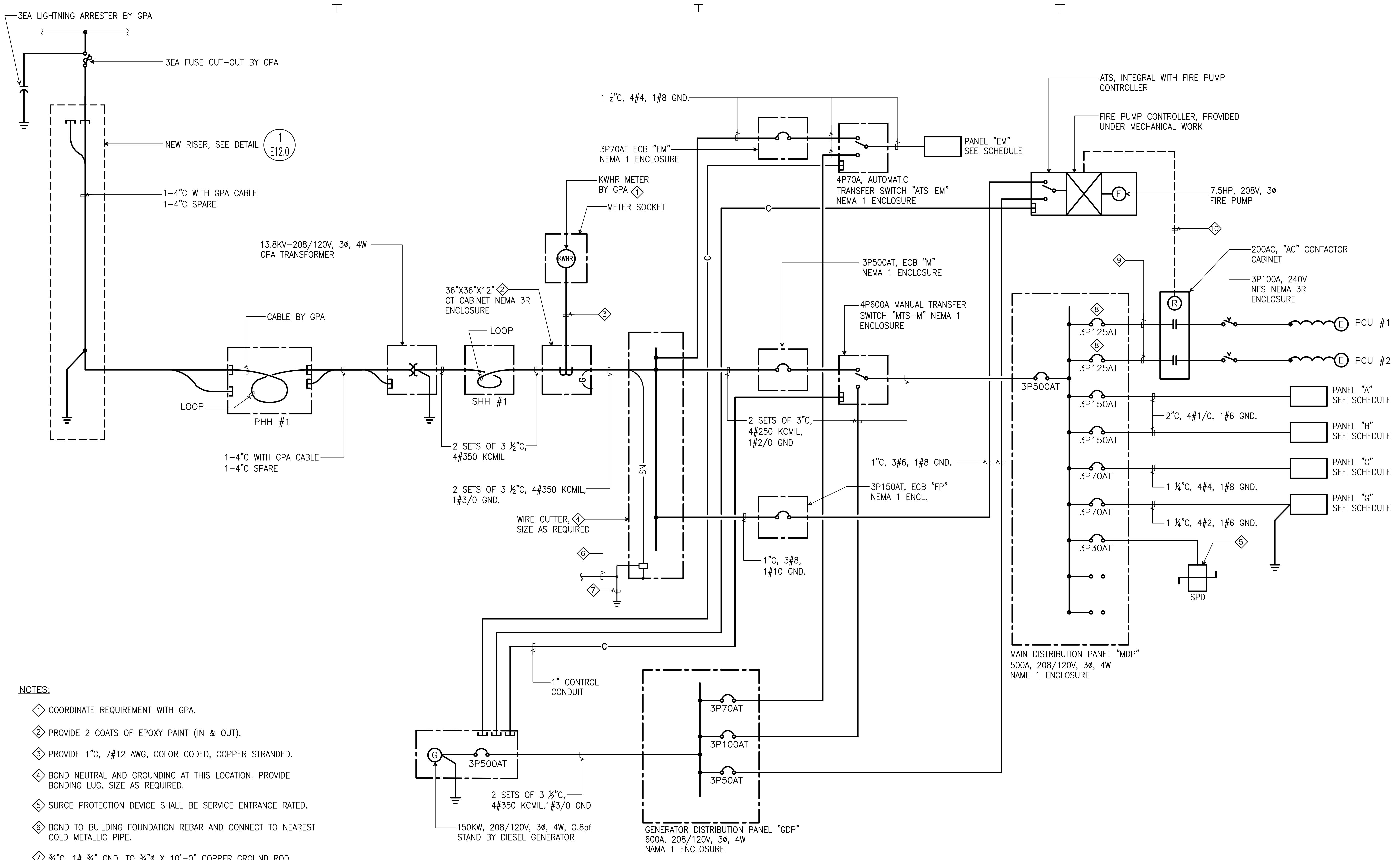
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24-16-443

Drawing No.

E1.0

Sheet No. _____ of _____

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- NOTES:
- ① COORDINATE REQUIREMENT WITH GPA.
 - ② PROVIDE 2 COATS OF EPOXY PAINT (IN & OUT).
 - ③ PROVIDE 1" C, 7#12 AWG, COLOR CODED, COPPER STRANDED.
 - ④ BOND NEUTRAL AND GROUNDING AT THIS LOCATION. PROVIDE BONDING LUG. SIZE AS REQUIRED.
 - ⑤ SURGE PROTECTION DEVICE SHALL BE SERVICE ENTRANCE RATED.
 - ⑥ BOND TO BUILDING FOUNDATION REBAR AND CONNECT TO NEAREST COLD METALLIC PIPE.
 - ⑦ 3/4" C, 1# 3/4" GND. TO 3/4"Ø X 10'-0" COPPER GROUND ROD.
 - ⑧ PROVIDE HACR TYPE CIRCUIT BREAKER.
 - ⑨ 1 1/4" C, 4#4, 1#8 GND.
 - ⑩ PROVIDE ELECTRICAL INTERLOCK BETWEEN FIRE PUMP CONTROLLER AND PACKAGE COOLING UNITS (PCU). PCU SHALL BE SHUT DOWN UPON ACTIVATION OF FIRE PUMP.

1 ONE LINE DIAGRAM
NOT TO SCALE

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No.	Description	Date

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Project:
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POLICE PRECINCT

Title:
ONE LINE DIAGRAM

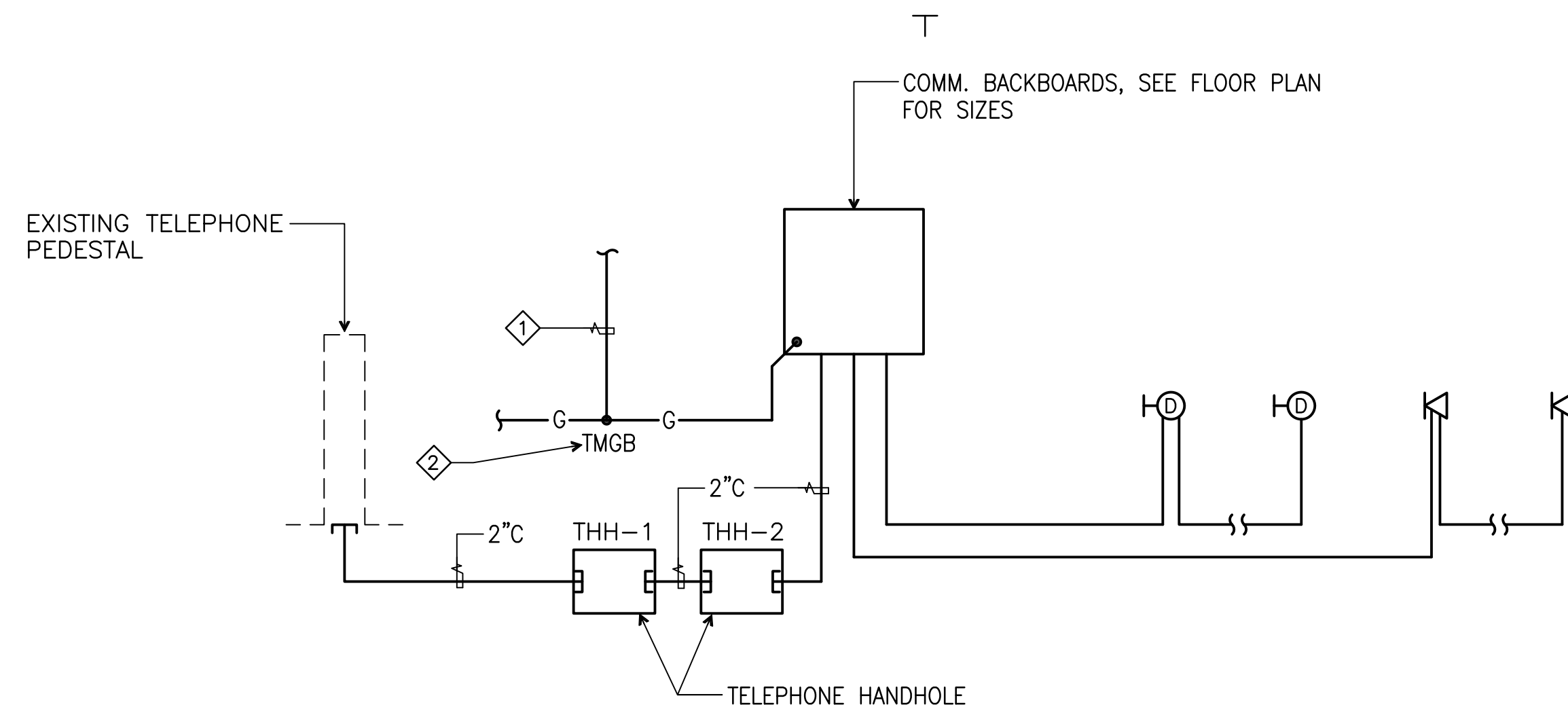
DESIGN DEVELOPMENT

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 Drawn: FC/RS
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 Date: 12/19/2016

Project No. File
24-16-443

Drawing No.
E3.0
Sheet No. _____ of _____


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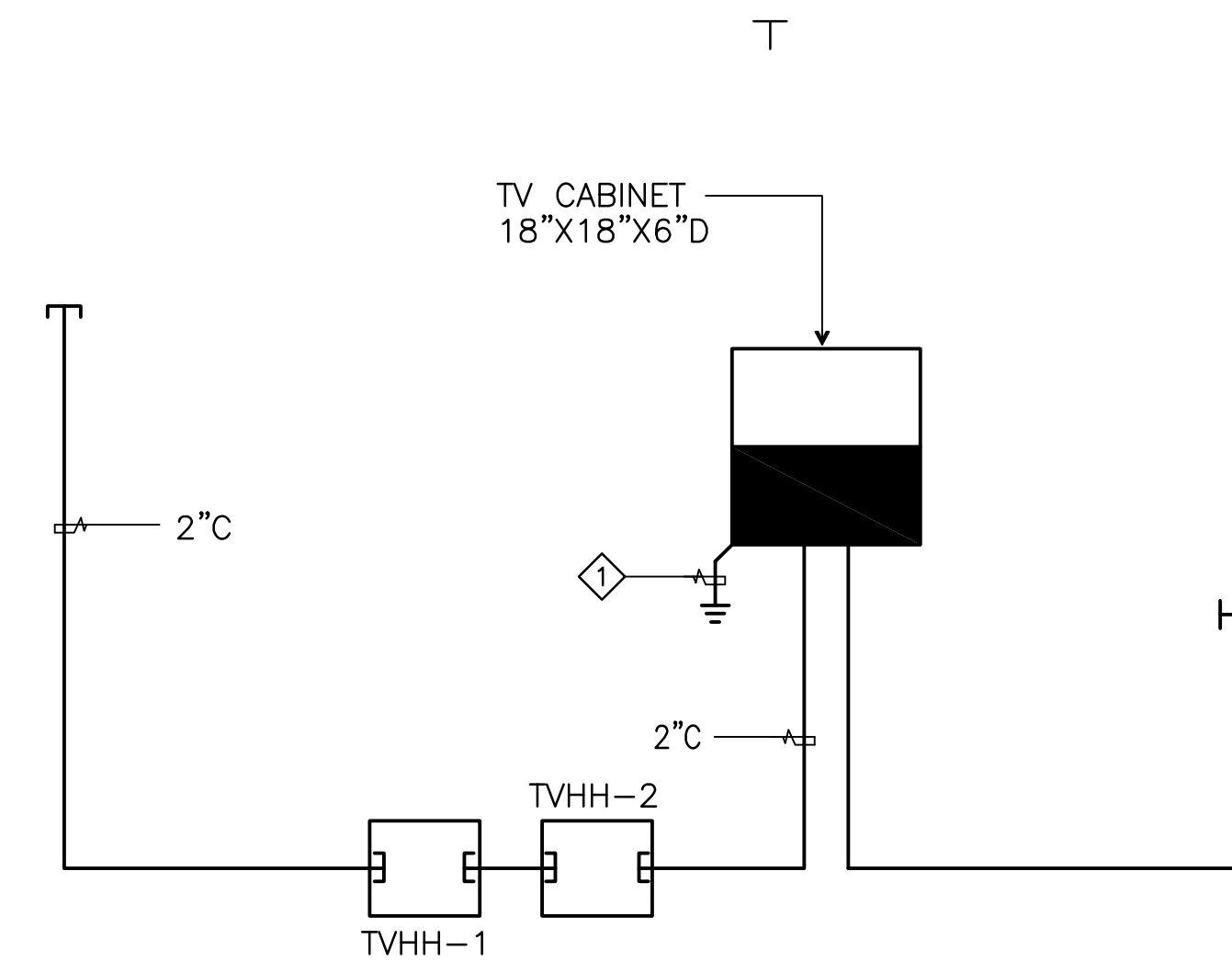
GENERAL NOTES:

- ① PROVIDE MINIMUM 1" CONDUIT.
- ② COORDINATE TELEPHONE SERVICE REQUIREMENTS WITH TELEPHONE SERVICE PROVIDER.
- ③ PROVIDE EMPTY CONDUIT SYSTEM ONLY WITH PULLWIRE.
- ④ SEE PLAN FOR QUANTITY AND LOCATION OF DEVICES.

NOTES:

- ① 3/4" C, 1/0 GND. TO POWER SYSTEM GROUND.
- ② SEE DETAIL 

1 VOICE/DATA RISER DIAGRAM
NOT TO SCALE



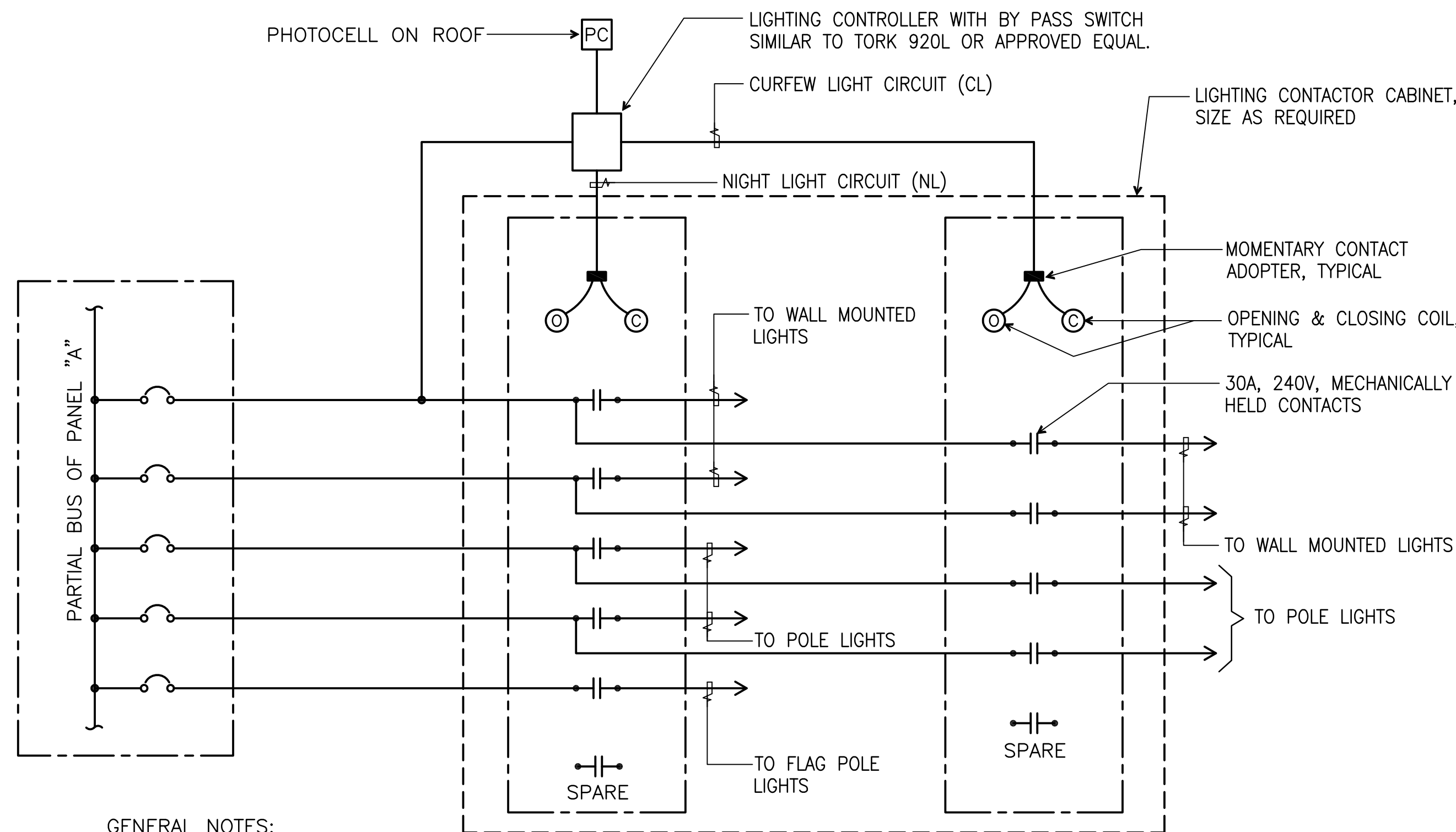
GENERAL NOTES:

- ① PROVIDE MINIMUM 1" CONDUIT.
- ② COORDINATE CATV SERVICE REQUIREMENT WITH CATV SERVICE PROVIDER.
- ③ PROVIDE EMPTY CONDUIT SYSTEM ONLY WITH PULLWIRE.
- ④ SEE PLAN FOR QUANTITY AND LOCATION OF DEVICES.

NOTE:

- ① 3/4" C, 1/0 GND. TO POWER SYSTEM GROUND.

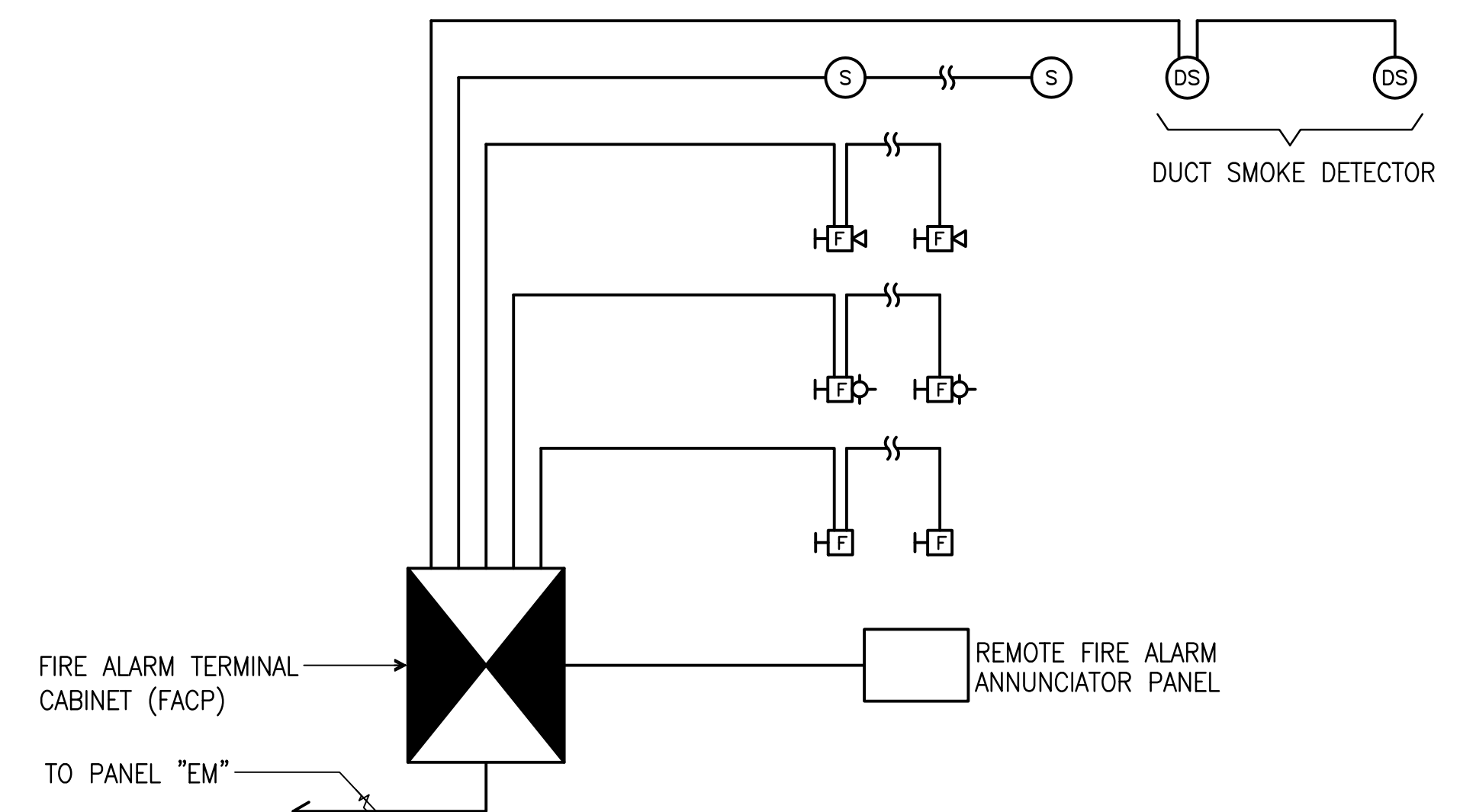
2 CABLE TV RISER DIAGRAM
NOT TO SCALE



GENERAL NOTES:

- ① VERIFY MANUFACTURER'S REQUIREMENT OPERATION SHALL BE AS FOLLOWS:
 - a. NIGHT LIGHTS (NL) - ON BY PHOTOCELL OFF BY PHOTOCELL
 - b. CURFEW LIGHTS (CL) - ON BY PHOTOCELL OFF BY TIMER (OBTAIN SETTINGS WITH OWNER)
- ② SEE PLAN FOR QUANTITY AND LOCATION OF EXTERIOR LIGHTS
- ③ SUBMIT SHOP DRAWING'S FOR REVIEW AND APPROVAL.

3 EXTERIOR LIGHTING CONTROL DIAGRAM
NOT TO SCALE



GENERAL NOTES:

- ① DEVICES SHOWN IN SUGGESTED LOCATIONS FINAL LAYOUT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES (NFPA 72) MANUFACTURER'S RECOMMENDATION SPECIFICATION AND EQUIPMENT LISTING.
- ② INSTALLATION OF FIRE ALARM SYSTEM SHALL NOT START UNTIL SHOP DRAWINGS ARE SUBMITTED AND APPROVED.
- ③ SUBMIT VOLTAGE DROP CALCULATION INCLUDE THE FOLLOWING INFORMATION FOR THE WORST CASE.
 - a. POINT TO POINT OR OHMS LAW CALCULATION.
 - b. ZONE USED IN CALCULATION.
 - c. VOLTAGE DROP PERCENT NOT TO EXCEED MANUFACTURER'S REQUIREMENTS
- ④ MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
- ⑤ PROVIDE SPARE ZONES.

4 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

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Title:
MISCELLANEOUS DIAGRAMS

DESIGN DEVELOPMENT

Designed: FO
Drawn: FC/RS
Checked: AA
Supv: AA
Scale: AS SHOWN
Date: 12/19/2016

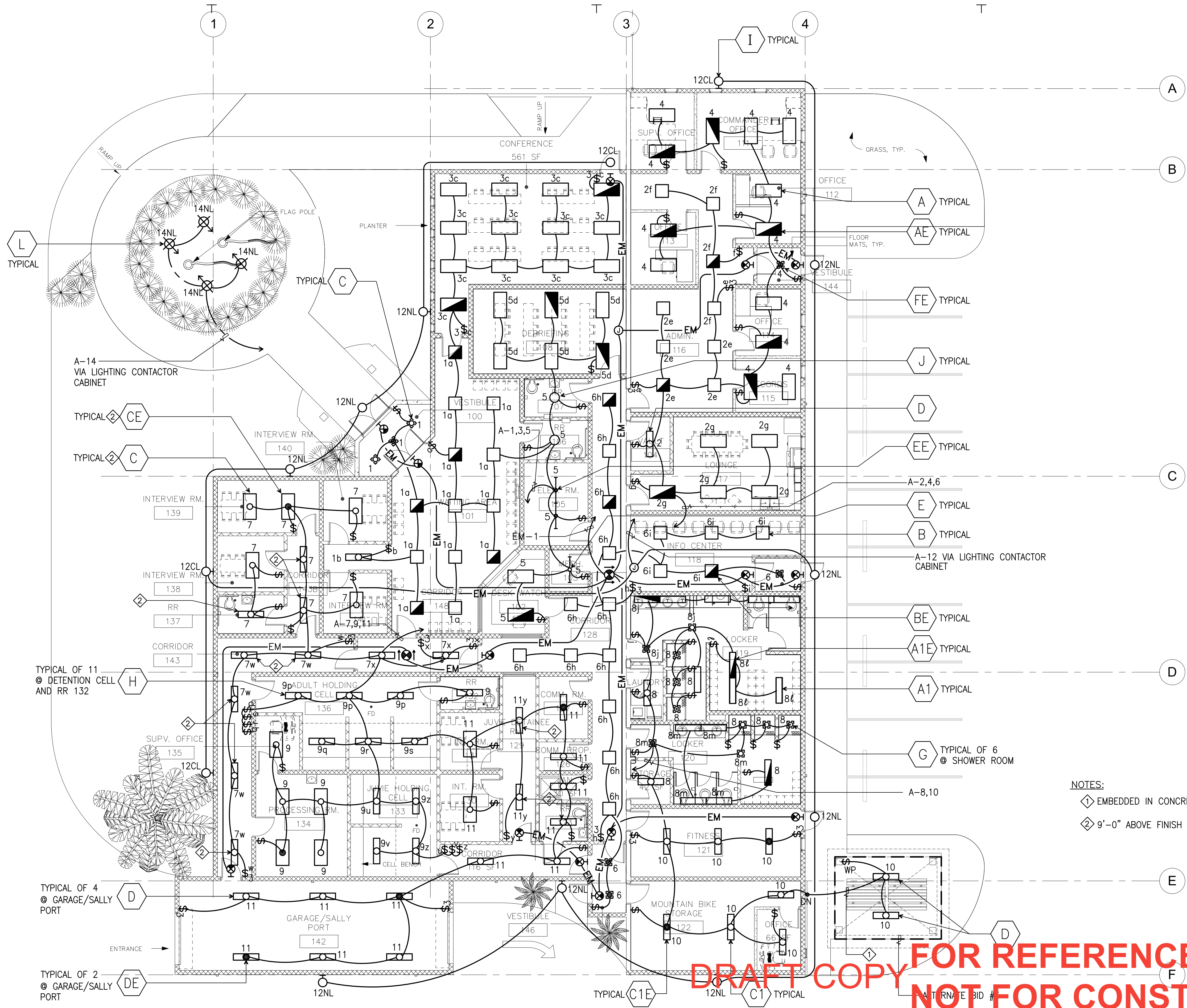
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E3.1

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1 LEVEL 1 - ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

NOTES:
 ① EMBEDDED IN CONCRETE SLAB.
 ② 9'-0" ABOVE FINISH FLOOR, STEM MOUNTED.

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SCALE: 1/8" = 1'-0"
 IF SHEET IS LESS THAN 24" X 36"
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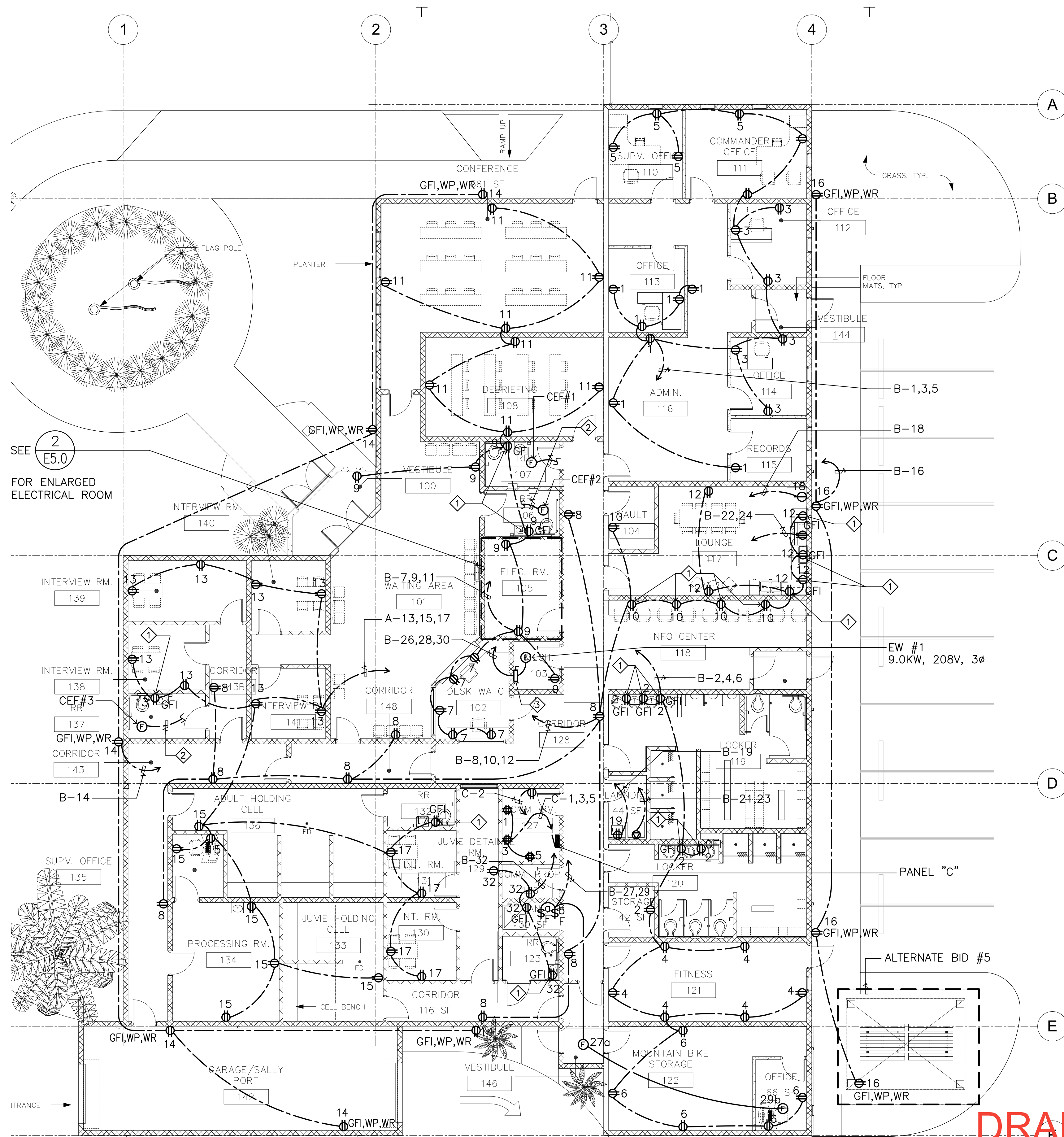
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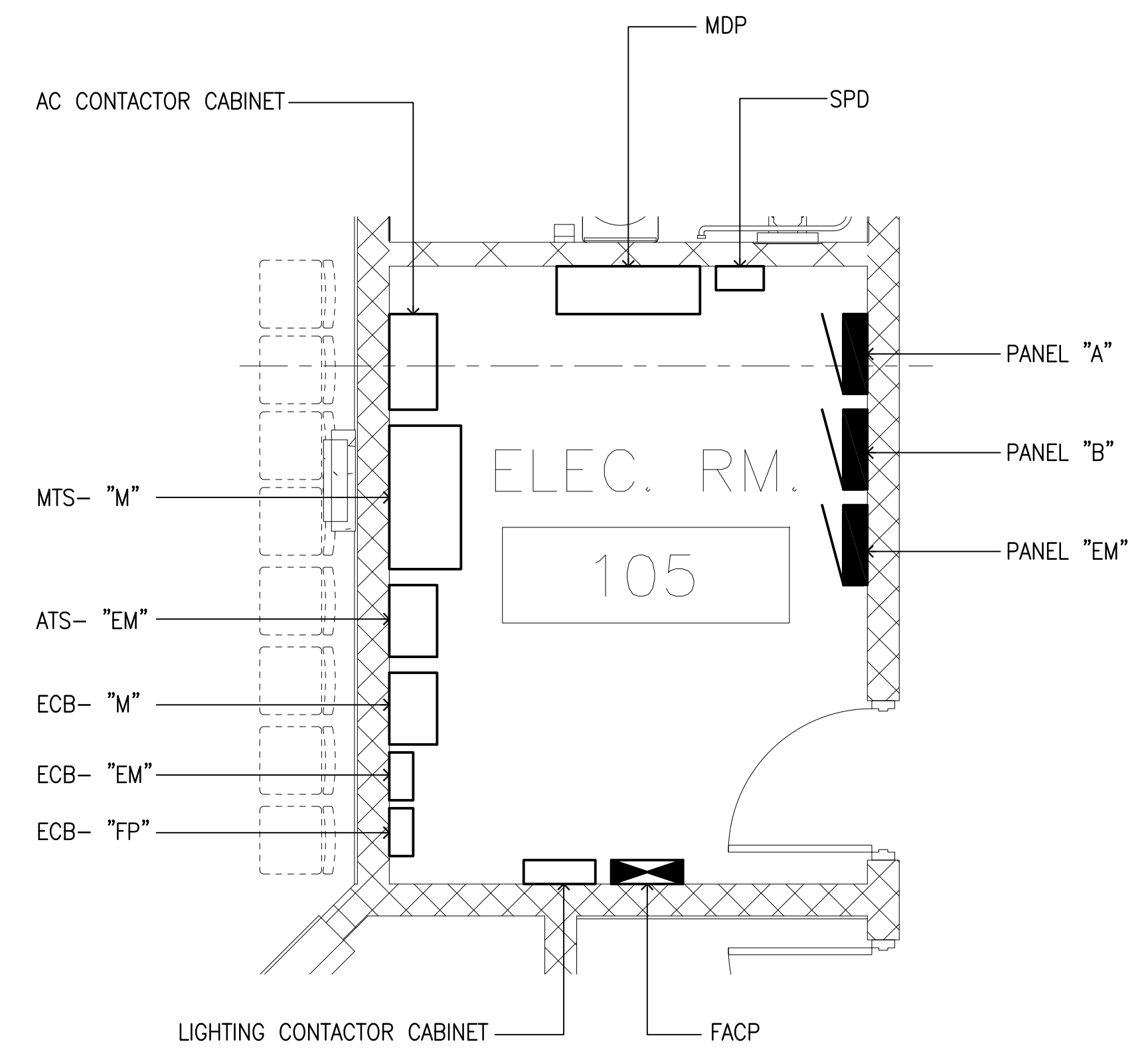
Title:
LEVEL 1 - ELECTRICAL LIGHTING PLAN

DESIGN DEVELOPMENT	
Designed:	FO
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Checked:	AA
Supv:	AA
Scale:	AS SHOWN
Date:	12/19/2016
Project No.:	24-16-443
File:	
Drawing No.:	

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1 LEVEL 1 - ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"

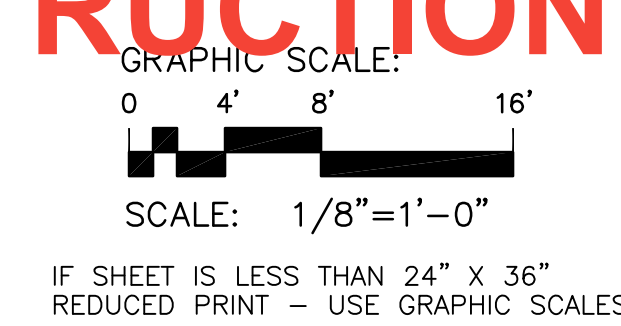


GENERAL NOTE:
 ① SUBMIT SHOP DRAWING TO CONTRACTING OFFICER FOR REVIEW AND APPROVAL. PROPOSED ELECTRICAL EQUIPMENT LAYOUT SHALL BE BASED IN ACTUAL EQUIPMENT TO BE PROVIDED. LAYOUT SHALL SHOW THAT ALL CODE REQUIRED WORKING CLEARANCE ARE MET.

2 PARTIAL ENLARGED ELECTRICAL PLAN
SCALE: 3/8" = 1'-0"

- NOTES:
- ① MOUNT 8" ABOVE COUNTER/SINK.
 - ② TO LIGHT SWITCH.
 - ③ 3P, 3Ø, 240V, NFS, NEMA 1 ENCLOSURE.

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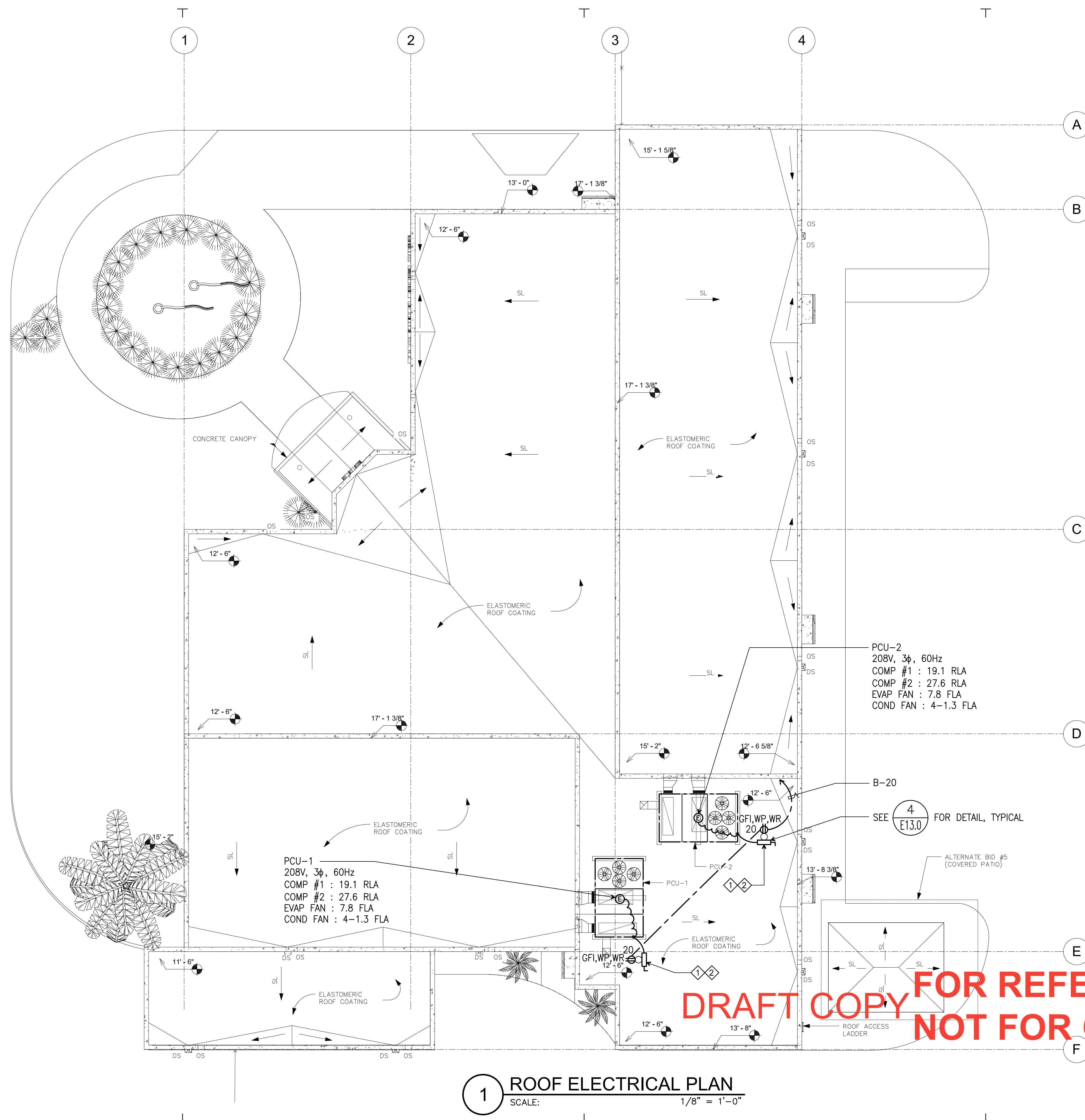
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POLICE PRECINCT

Title:
LEVEL 1 - POWER
ELECTRICAL PLAN

DESIGN DEVELOPMENT
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 Checked: AA
 Supv: AA
 Scale: AS SHOWN
 Date: 12/19/2016

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E5.0
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NOTES:
 1 REFER TO ONE LINE DIAGRAM FOR SIZES.
 2 INSTALL ADJACENT TO PCU UNIT. PROVIDE 2 COATS OF EPOXY PAINT (IN & OUT).

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1 ROOF ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:
 0 4' 8' 16'
 SCALE: 1/8" = 1'-0"
 IF SHEET IS LESS THAN 24" X 36"
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REVISIONS		
No.	Description	Date

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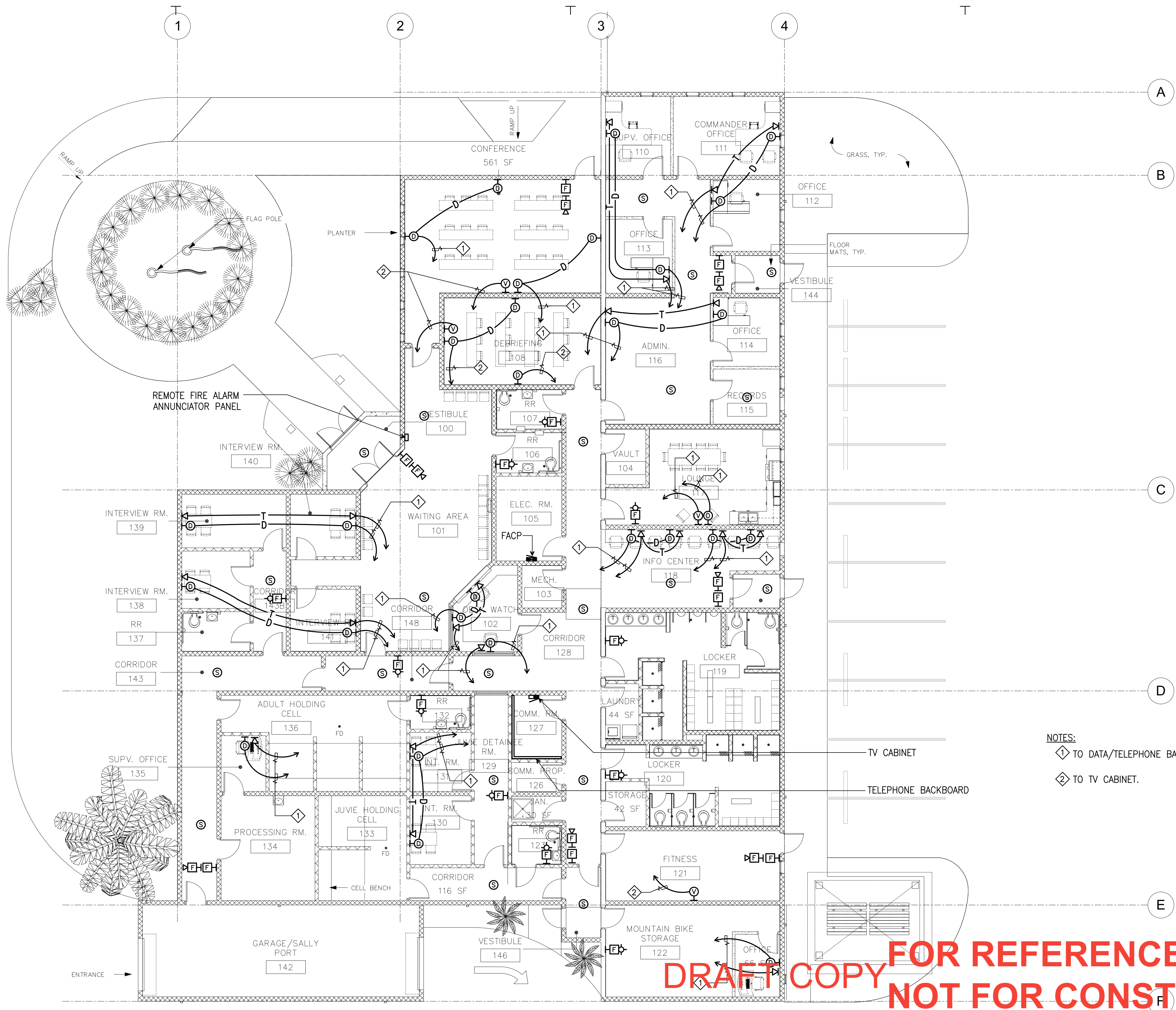
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Title:
 ROOF ELECTRICAL PLAN

DESIGN DEVELOPMENT
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 Supv: AA
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 Date: 12/19/2016
 Project No. File
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E6.0
 Sheet No. _____ of _____



1 LEVEL 1 - ELECTRICAL COMMUNICATION, FA AND SECURITY PLAN
 SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:
 0 4' 8' 16'
 SCALE: 1/8" = 1'-0"
 IF SHEET IS LESS THAN 24" X 36"
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NOTES:
 ① TO DATA/TELEPHONE BACKBOARD.
 ② TO TV CABINET.

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Project:
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Title:
 LEVEL 1 - ELECTRICAL COMMUNICATION, FA AND SECURITY PLAN

DESIGN DEVELOPMENT
 Designed: FO
 Drawn: FC/RS
 Checked: AA
 Supv: AA
 Scale: AS SHOWN
 Date: 12/19/2016

Project No. File
 24-16-443
 Drawing No.
E7.0
 Sheet No. _____ of _____

PANEL: "A"		VOLTS: 208/120V		PHASE: 3		WIRE: 4		AIC RATING: 10,000		
LOCATION: <input type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET		ENCL. TYPE: NEMA 1		MTG: <input type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE: 150AT		MAINS: <input type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY		
<input type="checkbox"/> NEUTRAL BUS		<input type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BRK	CKT NO.	LOAD - KVA			CKT NO.	POLE BRK	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				ØA	ØB	ØC				
LIGHTS	12	1/20	1	0.7	1.0		2	1/20	12	LIGHTS
			3		1.6	1.6	4			
			5				6			
			7	1.3	0.6		8			
			9		0.9	0.6	10			
			11			0.9	12			EXTERIOR LIGHTS
			13	1.0	1.0		14			FLAG POLE LIGHTS
			15		1.0	1.5	16			POLE LIGHTS
			17			1.0	18			POLE LIGHTS
			19	1.0	1.0		20			SPARE
			21			1.0	22			
			23				24			
			25	1.0	1.0		26			
			27		1.0	1.0	28			
			29			1.0	30			
			31	1.0	1.0		32			
			33			1.0	34			
			35			1.0	36			
			37				38			PFB
			39				40			
			41				42			
TOTAL KVA/Ø:				12.1	13.2	11.3	REMARKS:			
CONNECTED KVA:				36.6 KVA						
DEMAND FACTOR:				0.92						
DEMAND LOAD:				33.7 KVA I = 93.6A						

PANEL: "B"		VOLTS: 208/120V		PHASE: 3		WIRE: 4		AIC RATING: 10,000		
LOCATION: <input type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET		ENCL. TYPE: NEMA 1		MTG: <input type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE: 150AT		MAINS: <input type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY		
<input type="checkbox"/> NEUTRAL BUS		<input type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BRK	CKT NO.	LOAD - KVA			CKT NO.	POLE BRK	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				ØA	ØB	ØC				
RECEPTACLES	12	1/20	1	1.1	1.1		2	1/20	12	RECEPTACLE
			3		1.1	1.1	4			
			5				6			
			7	0.9	1.6		8			
			9		1.3	0.9	10			
			11				12			
			13	1.1	1.1		14			RECEPTACLE EXTERIOR
			15				16			RECEPTACLE EXTERIOR
			17			1.4	18			REFRIGERATOR
			19	1.2	0.4		20			AC ROOF RECEPTACLE
			21		2.5	4.0	22			
			23			2.5	24	2/50	8	RANGE
			25	0.4	1.0		26			
			27		1.0	1.0	28	3/40	8	EW #1
			29			1.0	30			
			31	1.0	1.0		32	1/20	12	RECEPTACLE
			33			1.0	34			SPARE
			35			1.0	36			
			37				38			PFB
			39				40			
			41				42			
TOTAL KVA/Ø:				11.4	16.9	17.2	REMARKS:			
CONNECTED KVA:				45.5 KVA						
DEMAND FACTOR:				0.9						
DEMAND LOAD:				41 KVA I = 113.8A						

PANEL: "C"		VOLTS: 208/120V		PHASE: 3		WIRE: 4		AIC RATING: 10,000		
LOCATION: <input type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET		ENCL. TYPE: NEMA 1		MTG: <input type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE: 70AT		MAINS: <input type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY		
<input type="checkbox"/> NEUTRAL BUS		<input type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BRK	CKT NO.	LOAD - KVA			CKT NO.	POLE BRK	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				ØA	ØB	ØC				
RECEPTACLES	12	1/20	1	0.4	1.0		2	1/20	12	RECEP
			3		0.4	1.0	4			SPARE
			5				6			
			7	1.0	1.0		8			
			9			1.0	10			
			11			1.0	12			
			13				14			PFB
			15				16			
			17				18			
TOTAL KVA/Ø:				3.4	3.4	3.4	REMARKS:			
CONNECTED KVA:				10.2 KVA						
DEMAND FACTOR:				0.5						
DEMAND LOAD:				5 KVA I = 14A						

PANEL: "EM"		VOLTS: 208/120V		PHASE: 3		WIRE: 4		AIC RATING: 10,000		
LOCATION: <input type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET		ENCL. TYPE: NEMA 1		MTG: <input type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE: 70AT		MAINS: <input type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY		
<input type="checkbox"/> NEUTRAL BUS		<input type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BRK	CKT NO.	LOAD - KVA			CKT NO.	POLE BRK	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				ØA	ØB	ØC				
EXIT LIGHTS	12	1/20	1	0.7	1.0		2	1/20	12	FACP
			3		1.0	1.0	4			SPARE
			5				6			
			7	1.0	1.0		8			
			9			1.0	10			
			11			1.0	12			
			13				14			PFB
			15				16			
			17				18			
TOTAL KVA/Ø:				3.7	4.0	4.0	REMARKS:			
CONNECTED KVA:				11.7 KVA						
DEMAND FACTOR:				0.3						
DEMAND LOAD:				3 KVA I = 8.3A						

PANEL: "G"		VOLTS: 208/120V		PHASE: 3		WIRE: 4		AIC RATING: 10,000		
LOCATION: <input type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET		ENCL. TYPE: NEMA 1		MTG: <input type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE: 70AT		MAINS: <input type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY		
<input type="checkbox"/> NEUTRAL BUS		<input type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BRK	CKT NO.	LOAD - KVA			CKT NO.	POLE BRK	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				ØA	ØB	ØC				
LIGHTS	12	1/20	1	0.5	0.7		2	1/20	12	RECEP.
JACKET WATER HEATER			3		1.0	1.0	4			SPACE HEATER
BATTERY CHARGER			5			1.0	6			EXHAUST FAN #1
JOCKEY PUMP		2/20	7	0.6	0.5		8			EXHAUST FAN #2
			9		0.6	1.0	10			SPARE
			11			1.0	12			
			13	1.0	1.0		14			
			15			1.0	16			
			17				18			
			19				20			PFB
			21				22			
			23				24			
TOTAL KVA/Ø:				4.3	5.6	5.5	REMARKS:			
CONNECTED KVA:				15.4 KVA						
DEMAND FACTOR:				0.62						
DEMAND LOAD:				9.5 KVA I = 26.4A						

REVISIONS		
No.	Description	Date

BID DOCUMENTS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
DATE: _____

Project: CENTRAL POLICE PRECINCT

Title: SCHEDULES

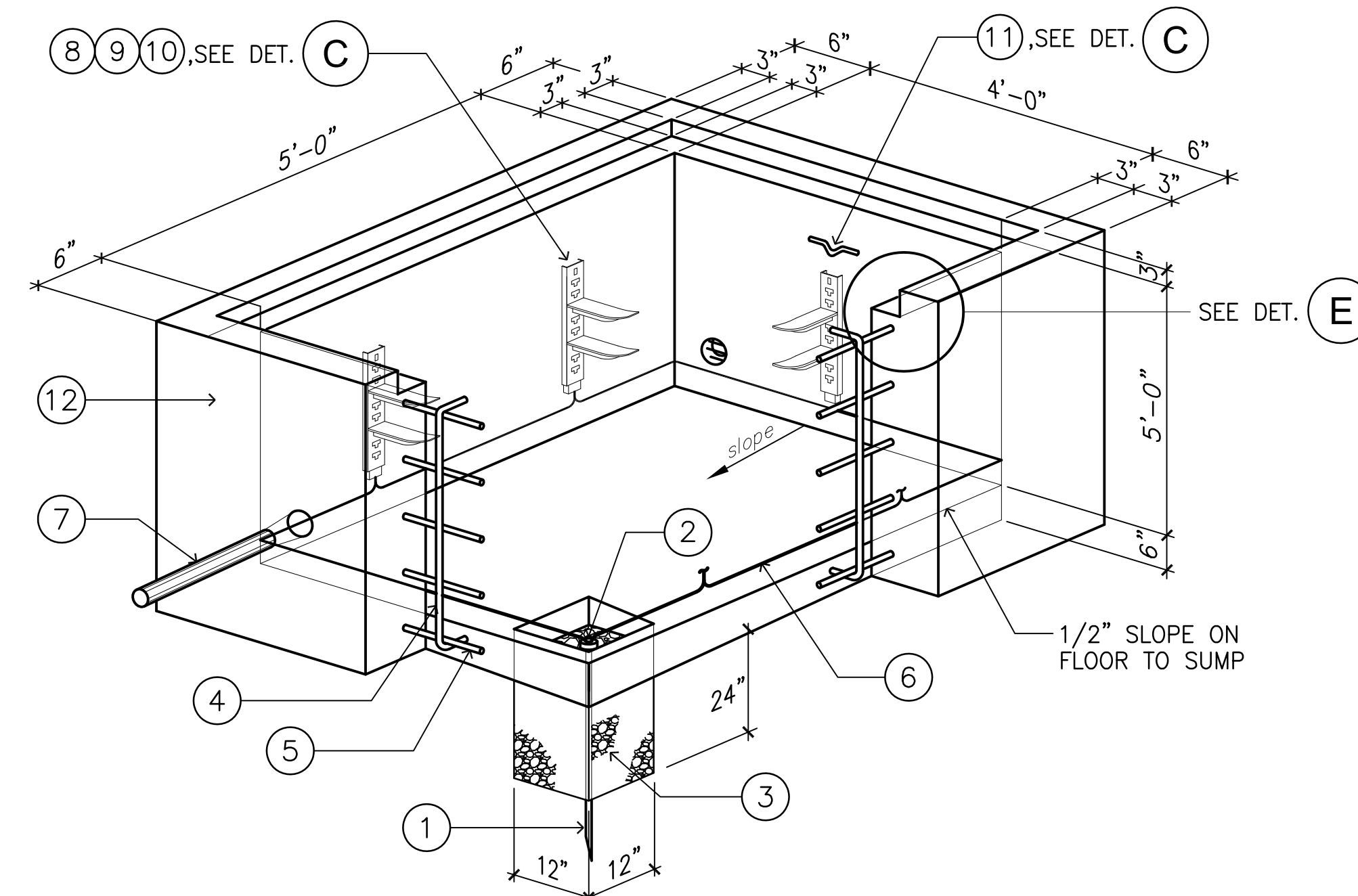
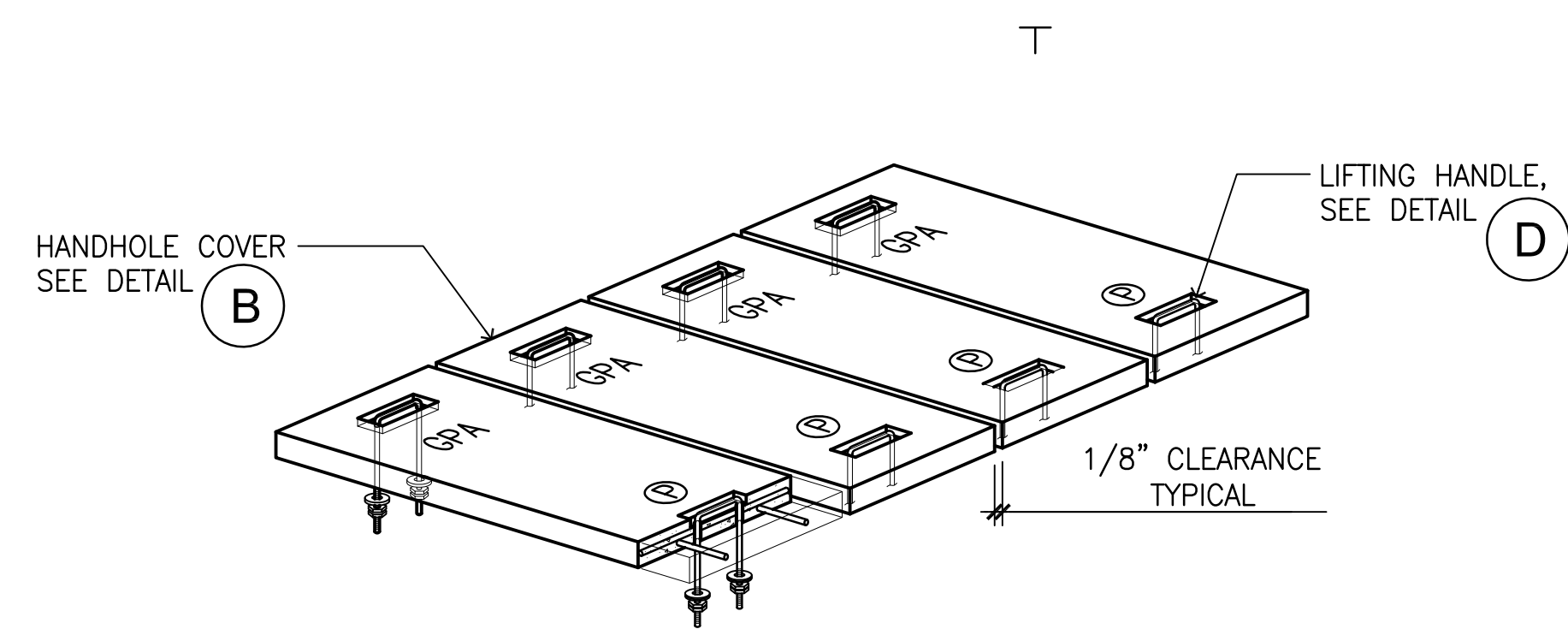
DESIGN DEVELOPMENT

Designed: F0
 Drawn: FC/RS
 Checked: AA
 Supv: AA
 Scale: AS SHOWN
 Date: 12/19/2016

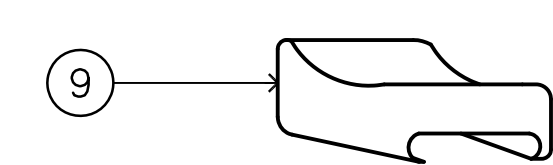
Project No. File
 24-16-443

Drawing No. E9.1
 Sheet No. _____ of _____

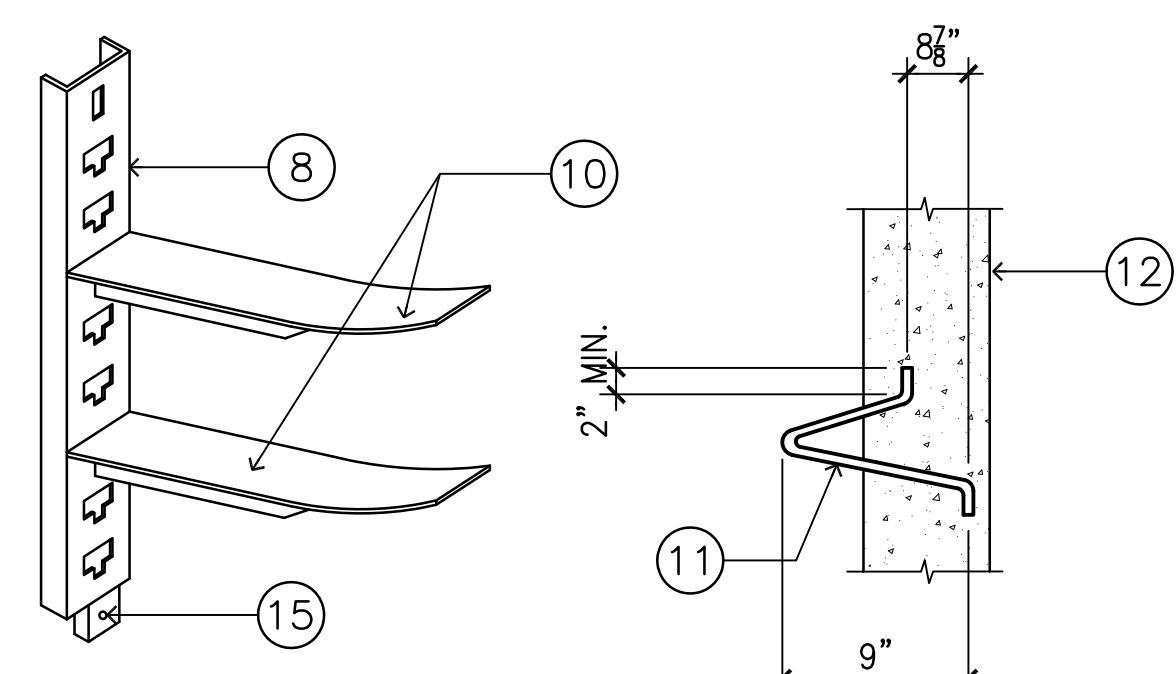
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A HANDHOLE DETAIL
NOT TO SCALE:

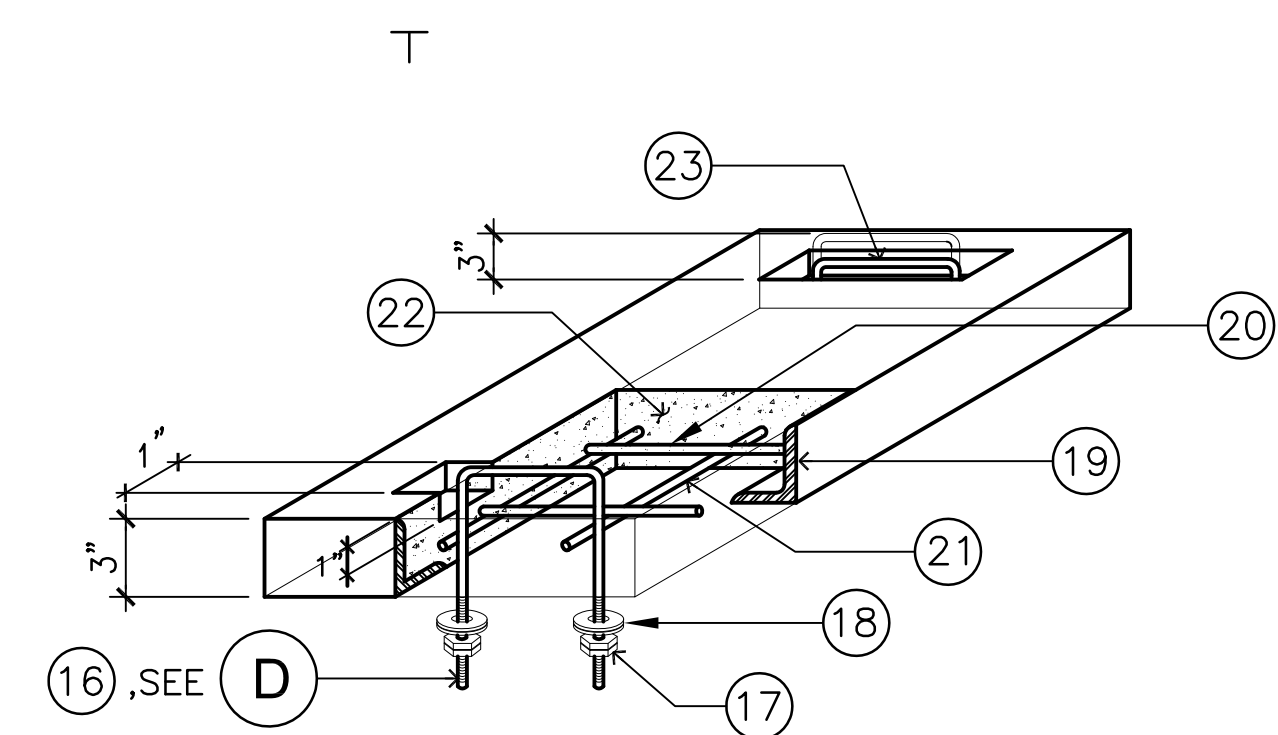


HOOK TYPE INSULATOR

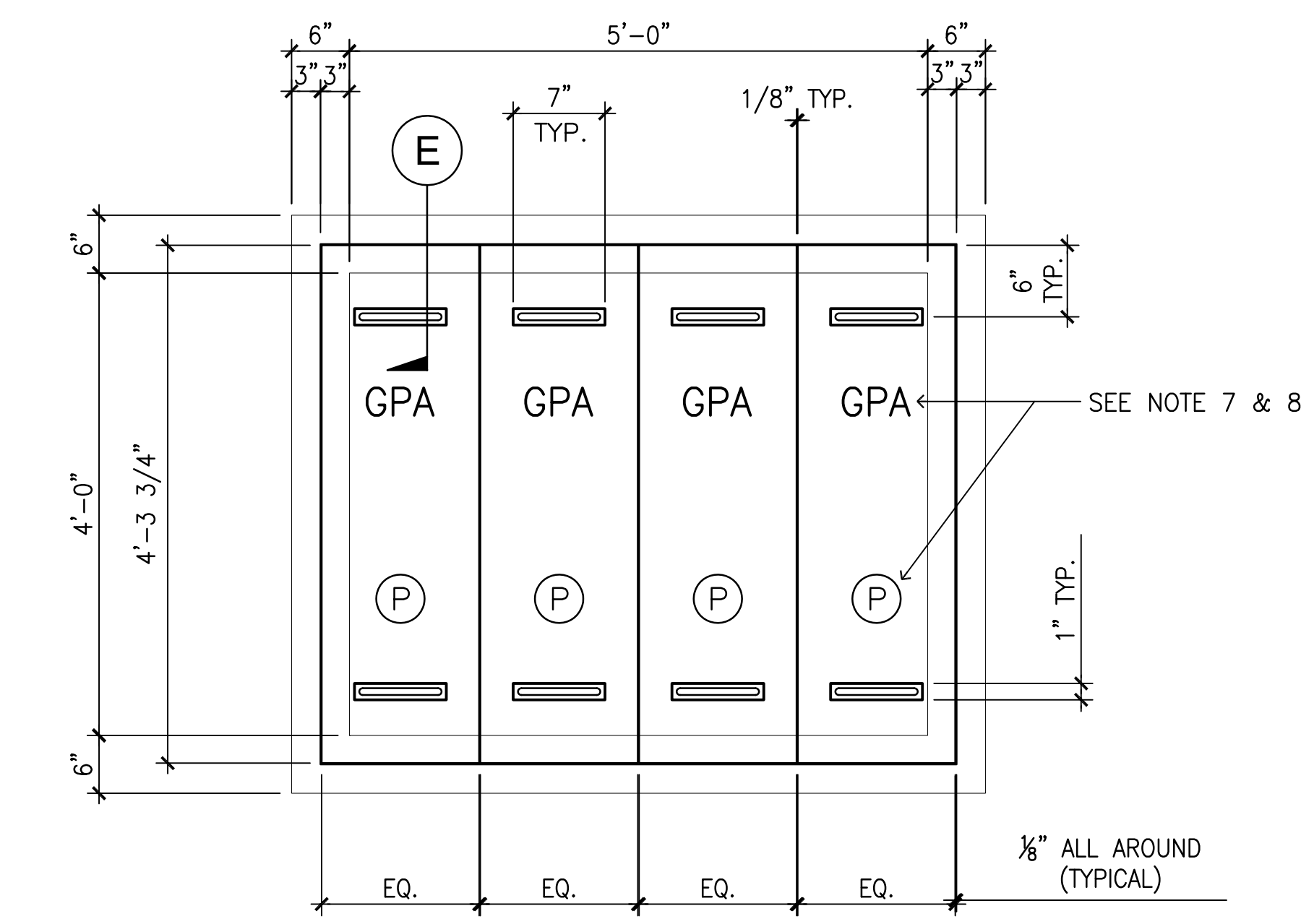


CABLE RACK PULLING IRON

C CABLE RACK, INSULATOR AND PULLING IRON DETAILS
NOT TO SCALE

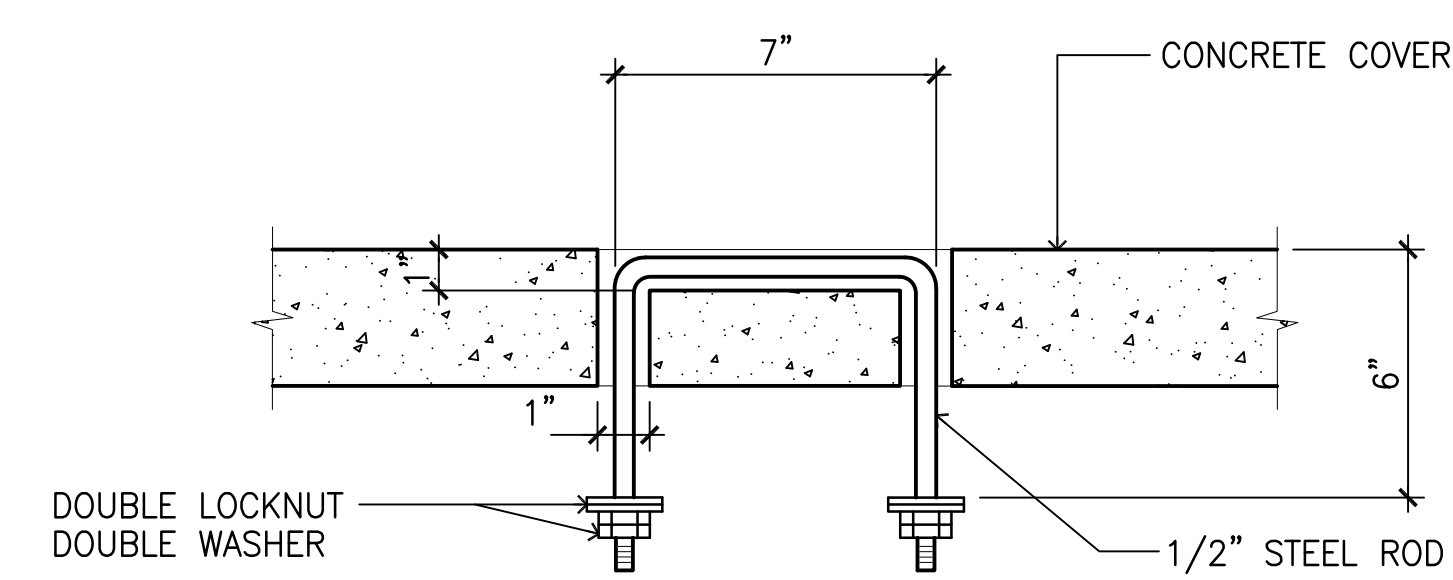


D LIFTING HANDLE DETAIL
NOT TO SCALE:



PLAN

B HANDHOLE COVER DETAIL
NOT TO SCALE:



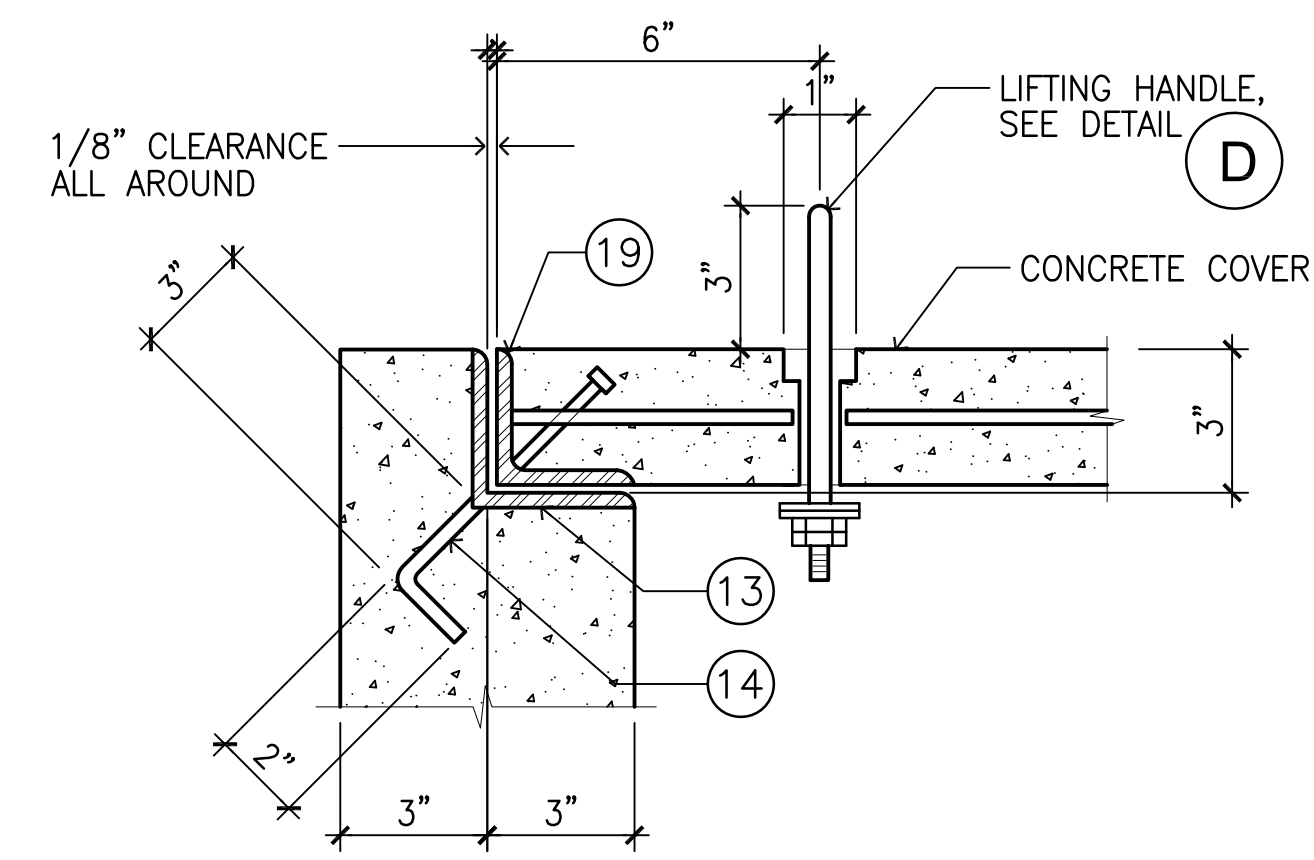
E COVER SEAT MOUNTING DETAIL
NOT TO SCALE:

1 4' X 5' X 5' HANDHOLE DETAIL
NOT TO SCALE

BILL OF MATERIALS	
1	5/8"Ø X 8'-0" COPPER WELD GROUND ROD
2	5/8"Ø COPPER GROUND ROD CLAMP
3	3/4"Ø MAXIMUM GRAVEL SIZE, FILL TO FINISH FLOOR
4	#4 REBAR @ 10" O.C. VERTICAL
5	#4 REBAR @ 10" O.C. HORIZONTAL
6	#6 COPPER WIRE (SOLID) FOR GROUNDING HARDWARE
7	CONDUIT WITH END BELL 6" FROM FLOOR SLAB, SIZE AND QUANTITY AS REQUIRED
8	CABLE RACK HOT DIP GALVANIZED
9	HOOK TYPE INSULATOR
10	INSULATOR WELDED SUPPORT
11	PULLING IRON 7/8"Ø GALVANIZED, LOCATED AT OPPOSITE END OF EACH CONDUIT ENTRANCE
12	6" THICK CONCRETE FLOOR SLAB AND WALL AT 3000 PSI YIELD STRENGTH OF GRADE 40 FOR REBARS
13	3" X 3" X 3/8" ANGLE IRON HOT DIP GALVANIZED
14	3/8"Ø STEEL ROD WELDED TO FRAME EVERY 12" O.C.
15	SLOT FOR 1/2" BOLT AND LEAD ANCHOR
16	1/2"Ø STEEL LIFTING DEVICE GALVANIZED
17	DOUBLE LOCKNUT, 1/2"Ø HOLE
18	DOUBLE ROUND WASHER 2"Ø WITH 5/8"Ø HOLE
19	3" X 3" X 1/4" ANGLE IRON, HOT DIP GALVANIZED ALL AROUND
20	#4 HOR. REBAR WELDED TO ANGLE FRAME
21	#4 VERT. REBAR WELDED TO ANGLE FROM AND OTHER REBAR
22	3" THICK CONCRETE AT 3000 PSI
23	1/2"Ø STEEL ROD LIFTING HANDLE

NOTES:

- COORDINATE LAYOUT AND EXACT DIMENSIONS WITH CUC ENGINEERING PRIOR TO INSTALLATION.
- THIS HANDHOLE IS TO BE USED IN LOCATIONS WHERE NOT MORE THAN 3 JUNCTIONS OF SECONDARY WILL BE INSTALLED.
- GROUND ALL HARDWARE IN THE HANDHOLE.
- TOP OF THE HANDHOLE SHALL BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE THERE SHOULD BE A 2" CLEARANCE FROM THE FINISHED GROUND SURFACE.
- AREA OF CONDUIT ENTRANCES SHOULD BE 6" MINIMUM FROM THE FLOOR SLAB, 10" MINIMUM FROM THE LEFT OR RIGHT SIDE WALL, AND 15" MINIMUM FROM THE TOP OF THE HANDHOLE.
- PROVIDE APPROXIMATE 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.
- ALL LETTERING SHALL BE 3" WITH A 1/4" EMBEEMENT.
- INDICATE "GPA" ON EVERY HANDHOLE COVER WITH THE LETTER "P" FOR PRIMARY AND CENTERED AS SHOWN.



REVISIONS		
No.	Description	Date

BID DOCUMENTS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
DATE: _____

Project: CENTRAL POLICE PRECINCT

Title: 4'X5'X5' HANDHOLE DETAIL

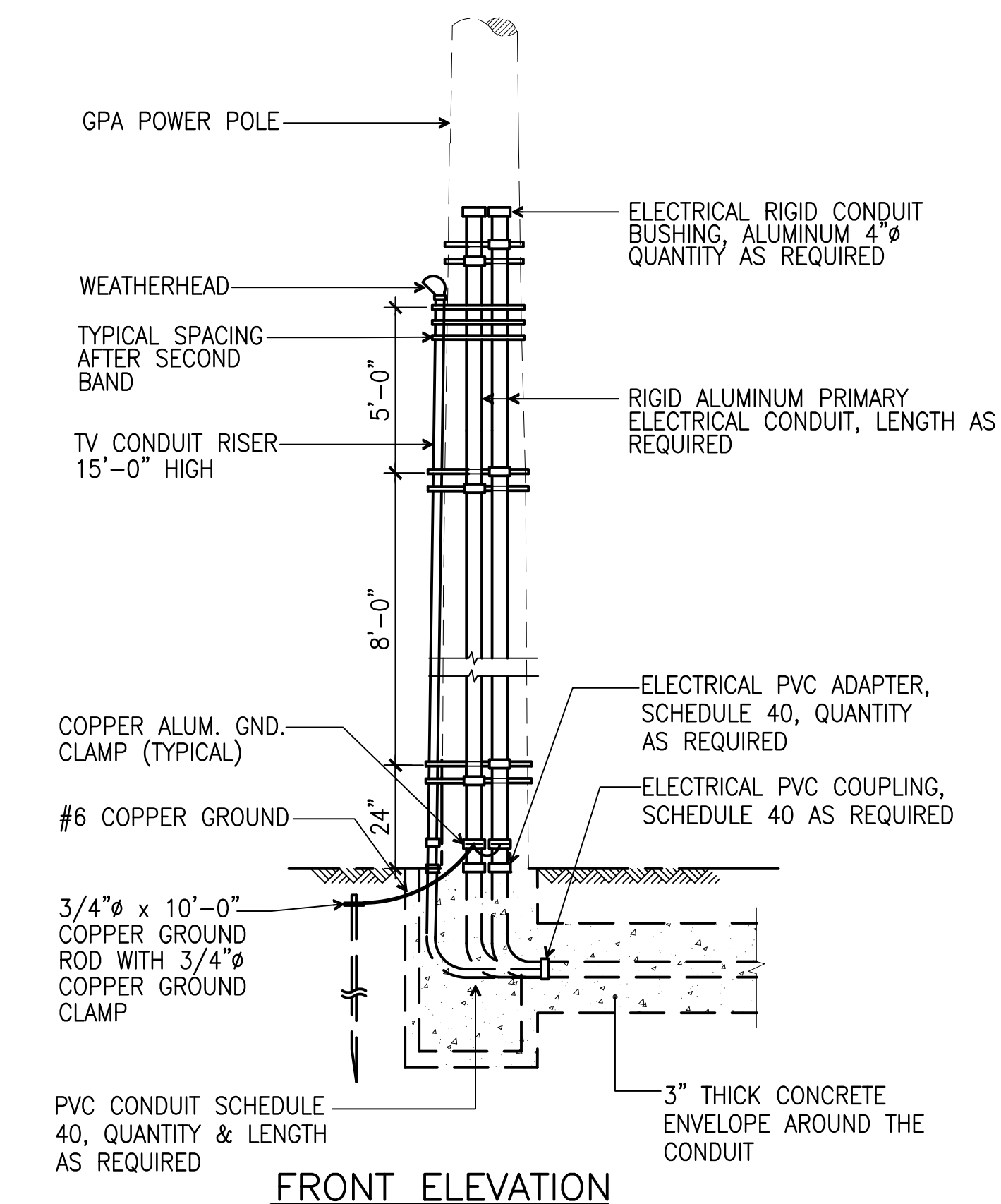
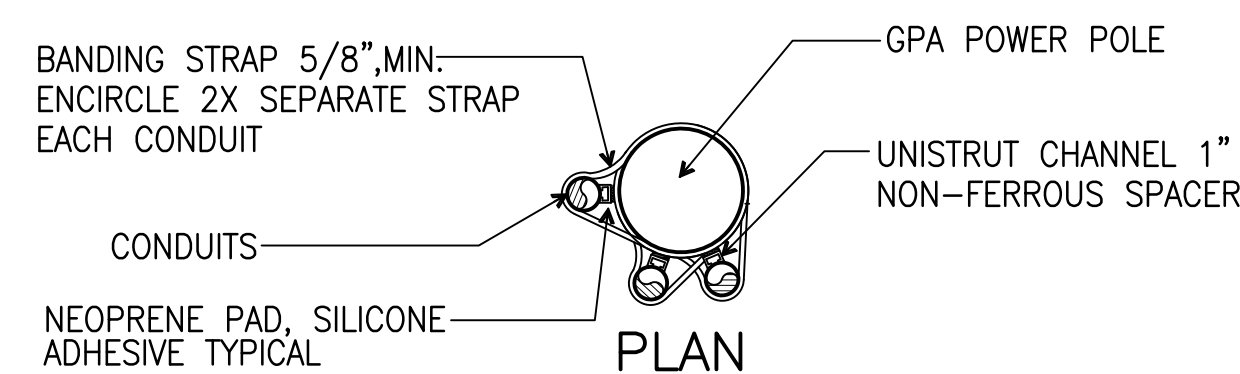
DESIGN DEVELOPMENT

Designed: FO
Drawn: FC/RS
Checked: AA
Supv: AA
Scale: AS SHOWN
Date: 12/19/2016

Project No. File
24-16-443

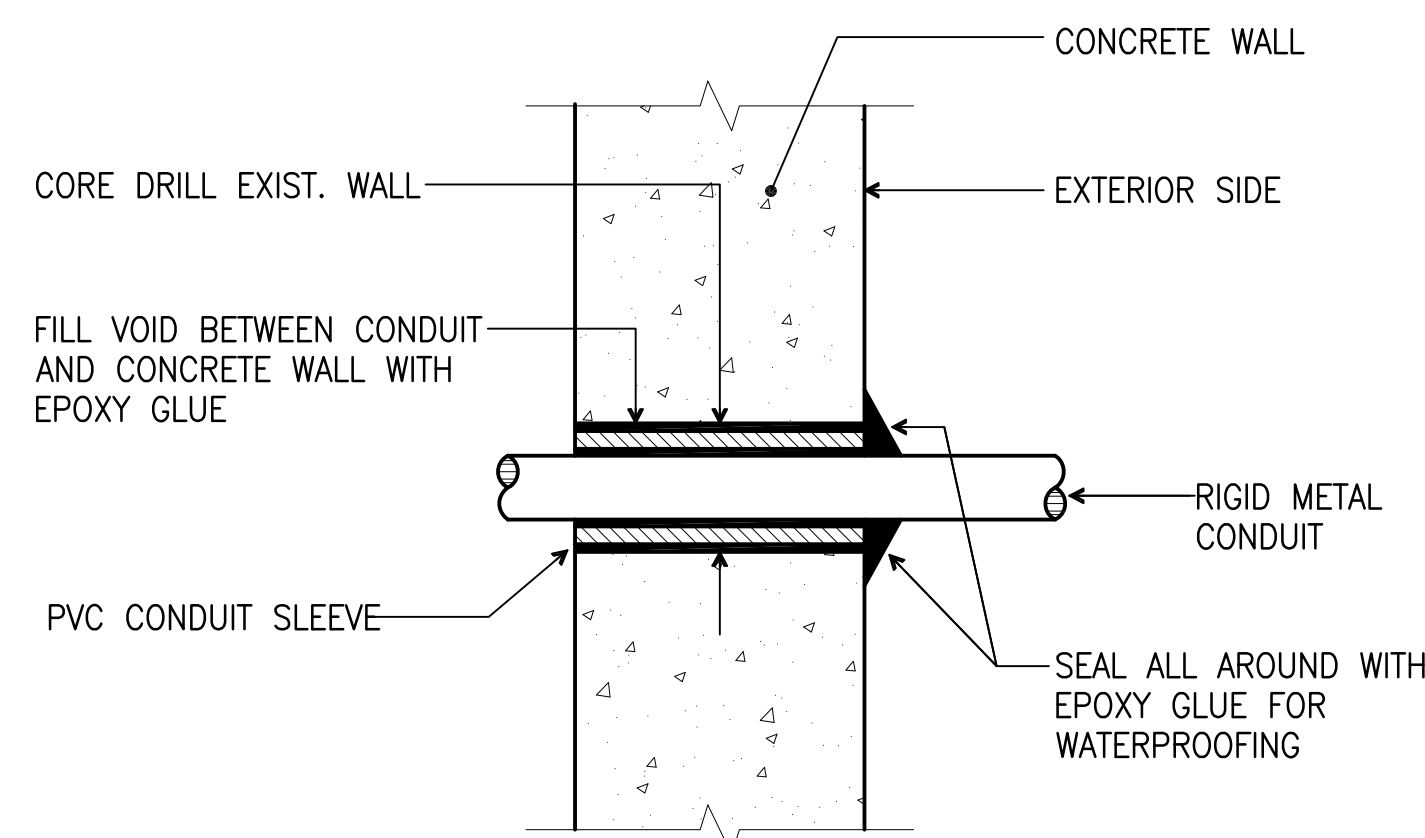
Drawing No. E10.0
Sheet No. _____ of _____

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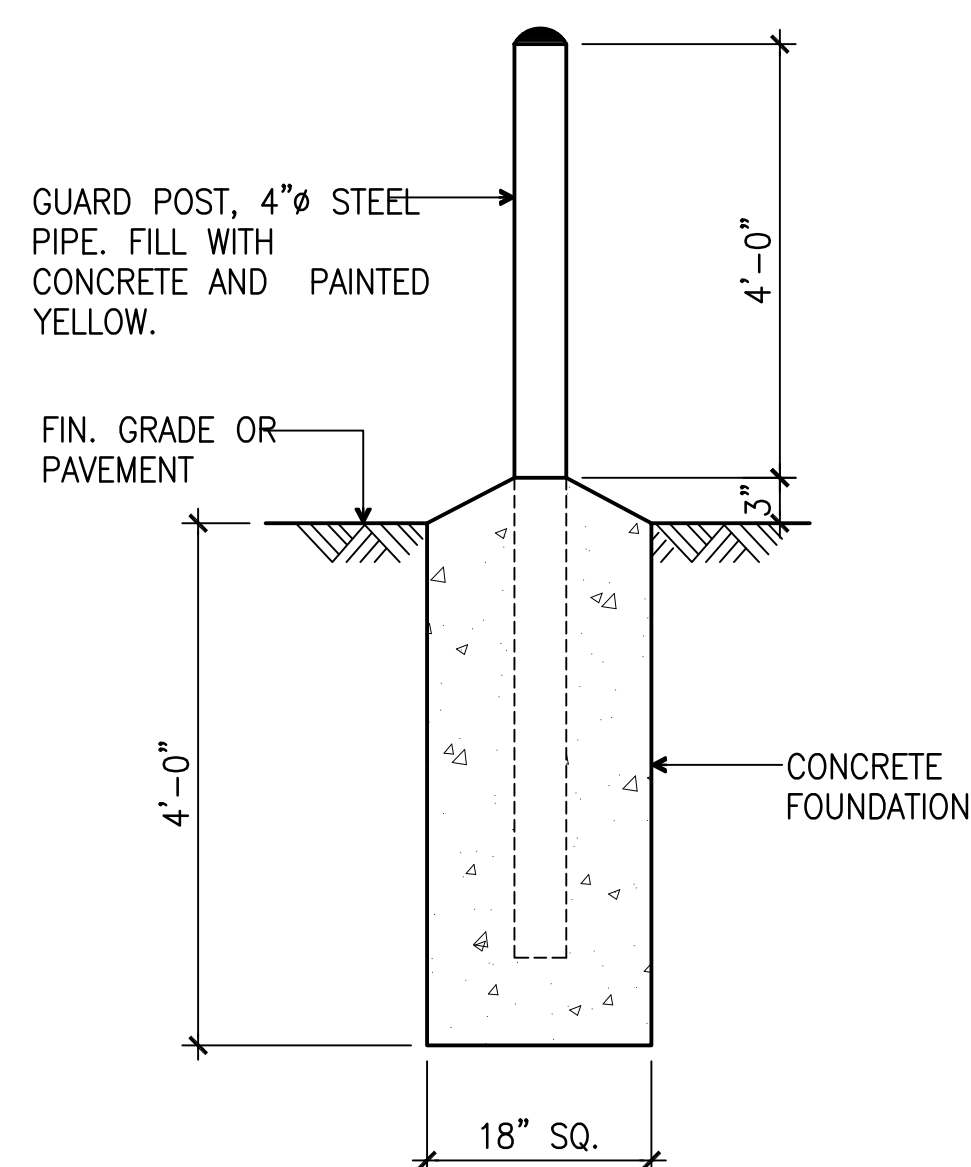


* CONTRACTOR SHALL PROVIDE POLE FOUNDATION DESIGN. DESIGN SHALL MEET 170MPH BASIC WIND SPEED [IBC 2009] EXPOSURE C AND ASCE 7-05. BASED ON ACTUAL POLE AND LIGHT FIXTURE WEIGHT, EFFECTIVE PROJECT AREA (EPA), AND SOIL BEARING CAPACITY. DRAWING SHALL BE CERTIFIED BY A LICENSED STRUCTURAL ENGINEER. SUBMIT SHOP DRAWING FOR APPROVAL.

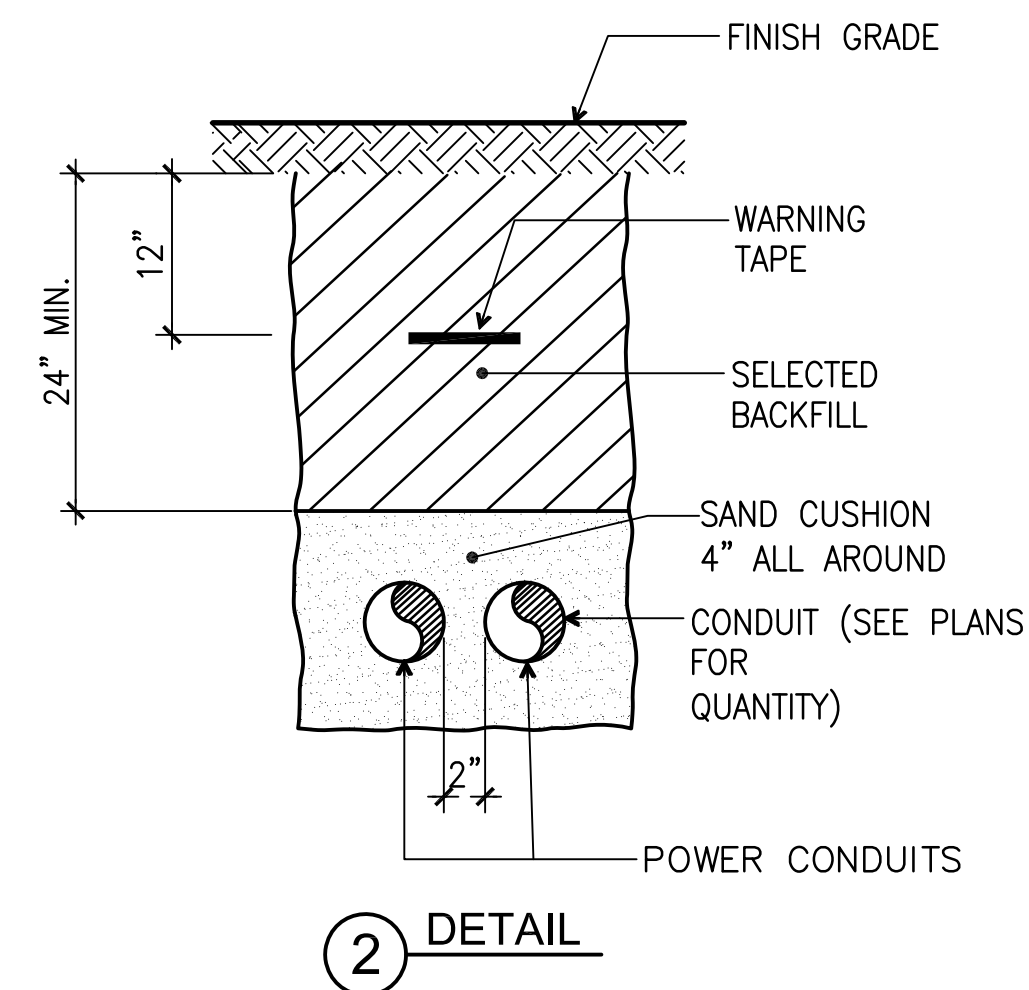
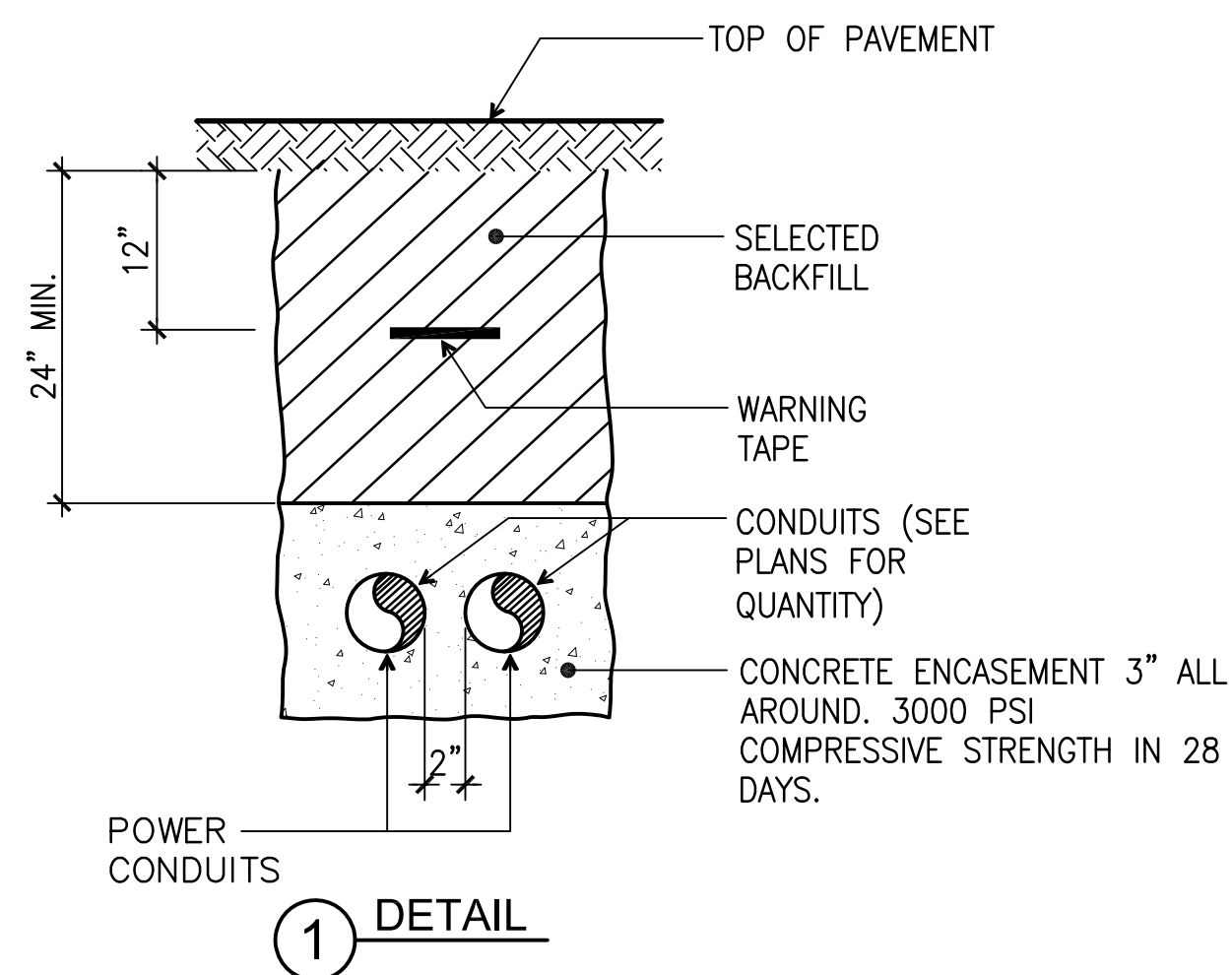
1 RISER POLE DETAIL
SCALE: NONE



2 CONDUIT WALL PENETRATION DETAIL
SCALE: NONE



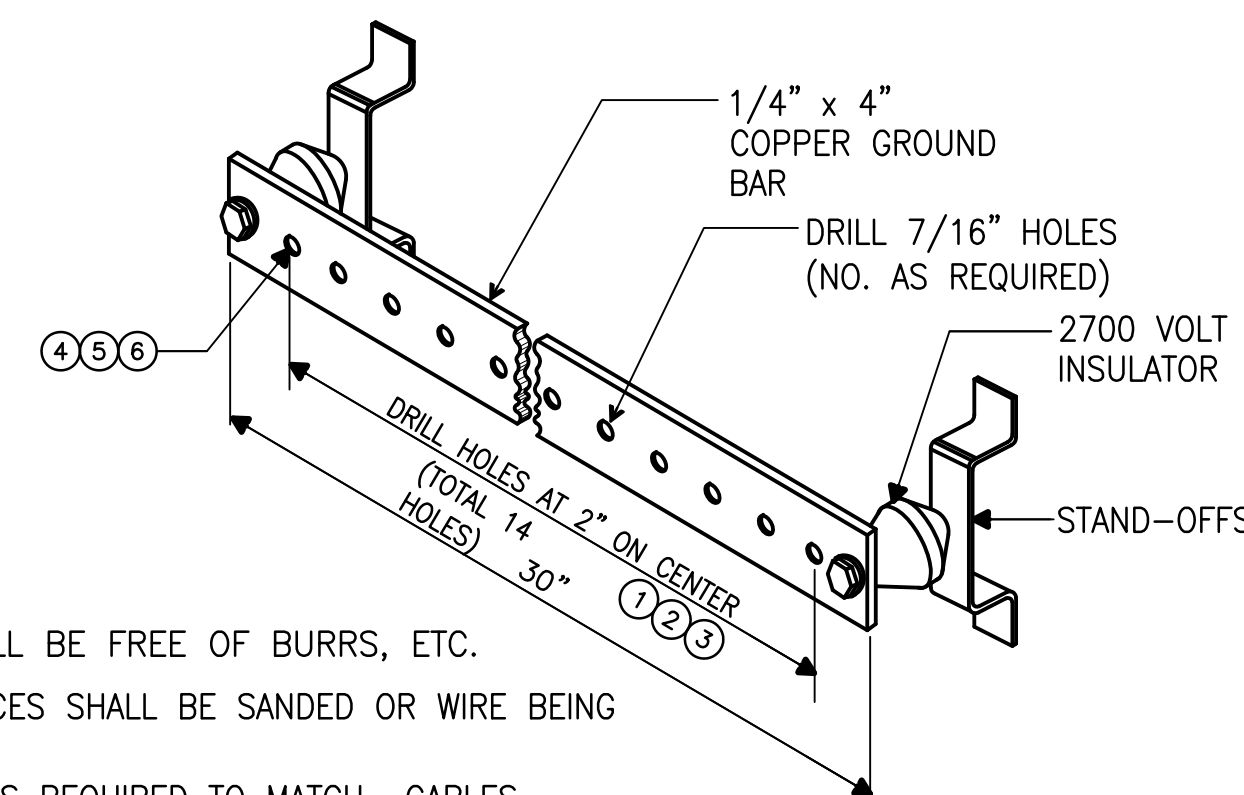
4 GUARD POST DETAIL
SCALE: NONE



NOTES:

- DETAIL ① SHALL BE IMPLEMENTED WHERE DUCT IS SUBJECT TO VEHICULAR TRAFFIC, UNDER PAVED AREA, AND FOR GPA PRIMARY CIRCUITS.
- DETAIL ② SHALL BE IMPLEMENTED WHERE DUCT IS NOT SUBJECT TO ANY VEHICULAR TRAFFIC. HOWEVER, DUCT TRANSITION TO TYPE ① SHALL BE IMPLEMENTED AT BENDS, CURVES, OR ELBOWS AND SHALL EXTEND TO AT LEAST A FOOT BEYOND THE CURVED PORTION.

3 TYPICAL DUCT SECTION
SCALE: NONE



NOTES:

- SURFACES SHALL BE FREE OF BURRS, ETC.
- CONTACT SURFACES SHALL BE SANDED OR WIRE BEING TERMINATED.
- PROVIDE LUGS AS REQUIRED TO MATCH CABLES BRUSHED CLEAN AND A THIN COAT OF ALCOA NUMBER 2 ELEC. JOINT COMPOUND OR EQUIVALENT APPLIED.

BILL OF MATERIALS		
ITEM	PART NUMBER	DESCRIPTION
①	1/4"-20x1" HHCS	1/4"-20 HEX HEAD CAP SCREWS CAD PLATED
②	1/4" LOCKWASHER	1/4" LOCKWASHER CAD PLATED
③	1/4"-20 HEX NUTS	1/4"-20 HEX NUT CAD PLATED
④	AS REQUIRED	3/8"-1 1/4" EVERDUR MCH BOLTS/DOSSERT OR EQ.
⑤	AS REQUIRED	3/8"-16 EVERDUR LOCK-WASHER DOSSERT OR EQ.
⑥	AS REQUIRED	3/8"-16 EVERDUR HEX NUTS DOSSERT OR EQ.

5 TELECOM MASTER GROUND BAR DETAIL
SCALE: NONE

REVISIONS		
No.	Description	Date

BID DOCUMENTS

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DATE: _____

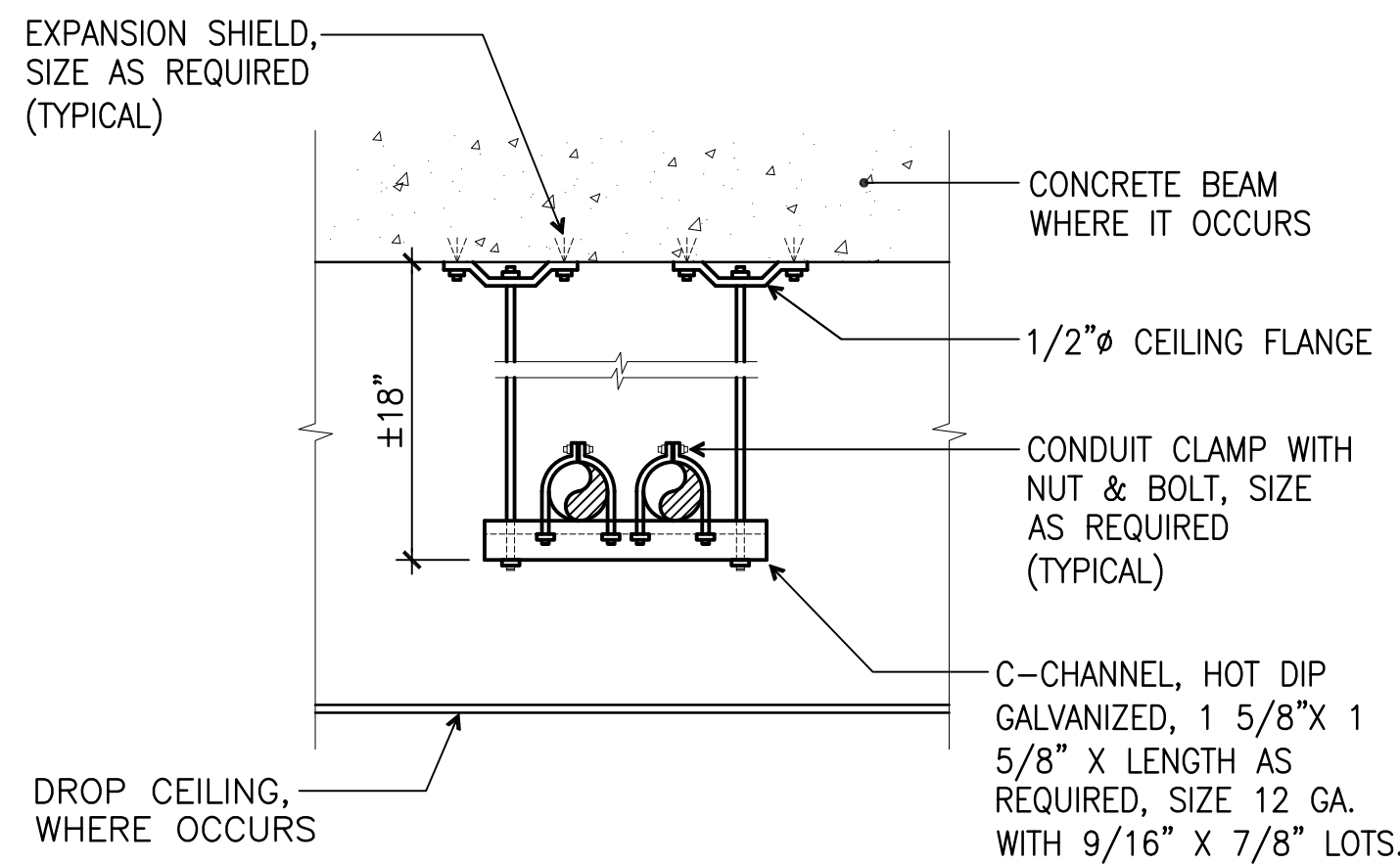
Project:
CENTRAL
POLICE PRECINCT

Title:
MISCELLANEOUS DETAILS
DESIGN DEVELOPMENT

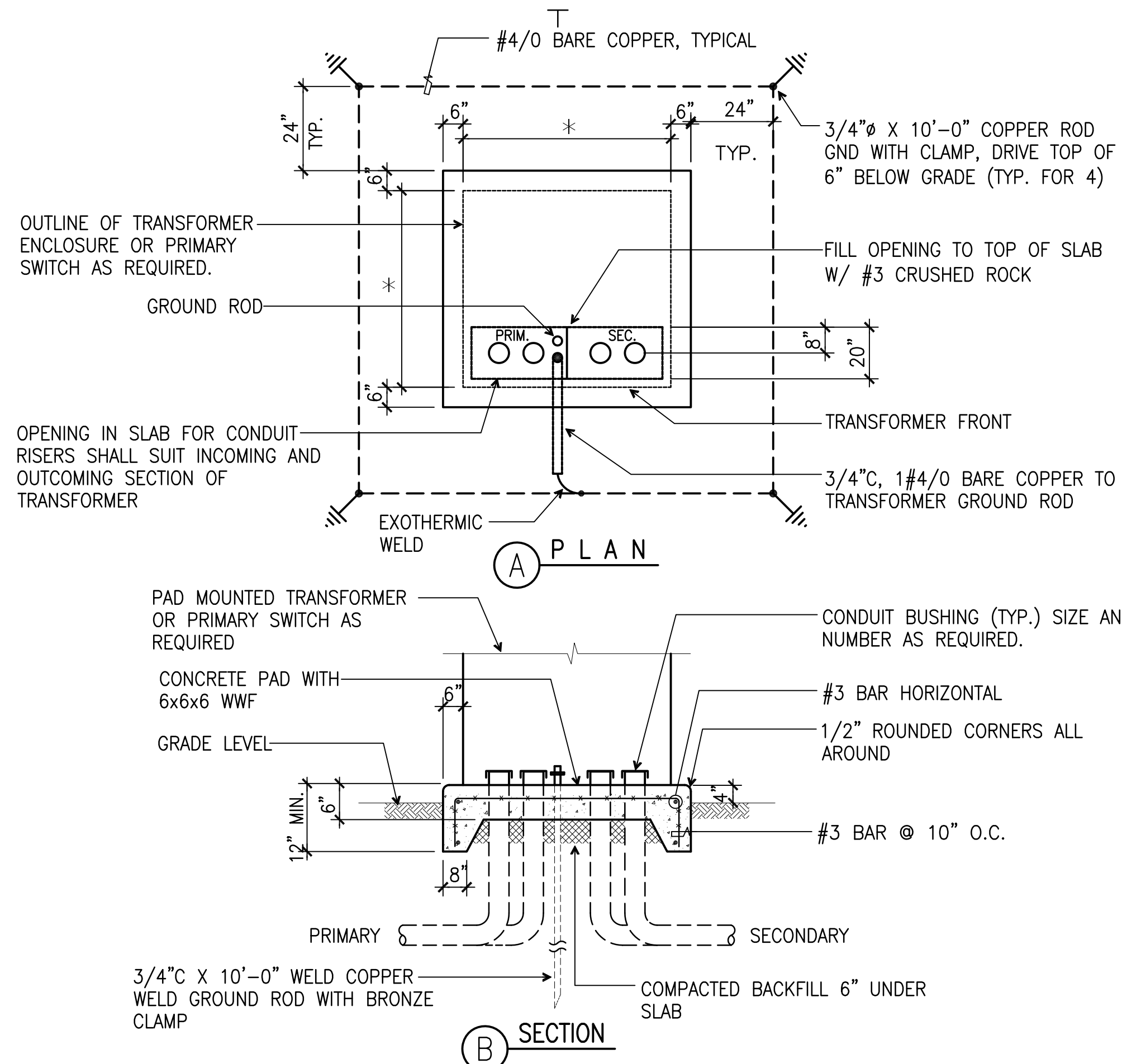
Designed: FO
Drawn: FC/RS
Checked: AA
Supv: AA
Scale: AS SHOWN
Date: 12/19/2016
Project No. File
24-16-443
Drawing No.

E12.0
Sheet No. _____ of _____

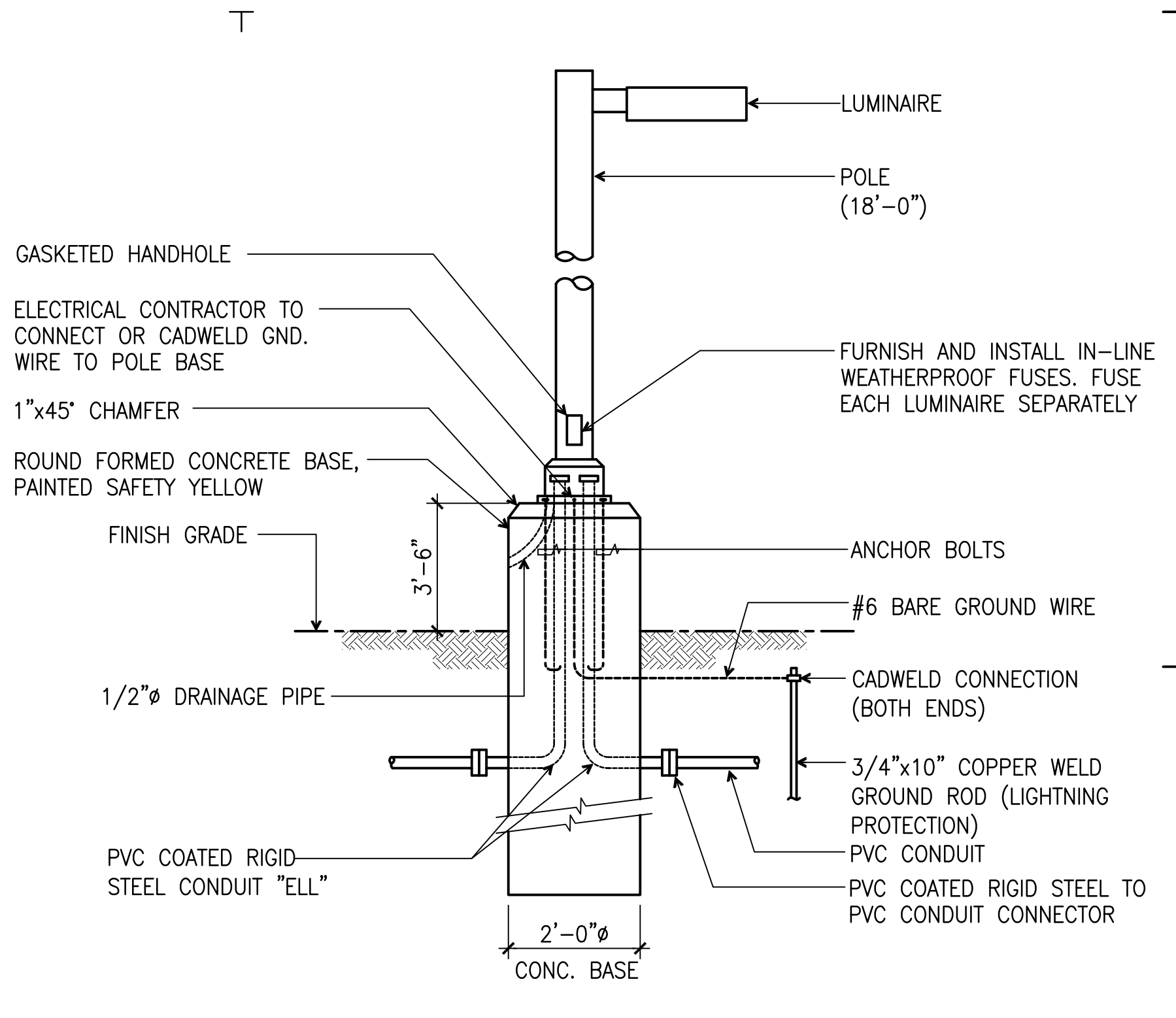
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1 CONDUIT SUPPORT MOUNTING DETAIL
SCALE: NONE



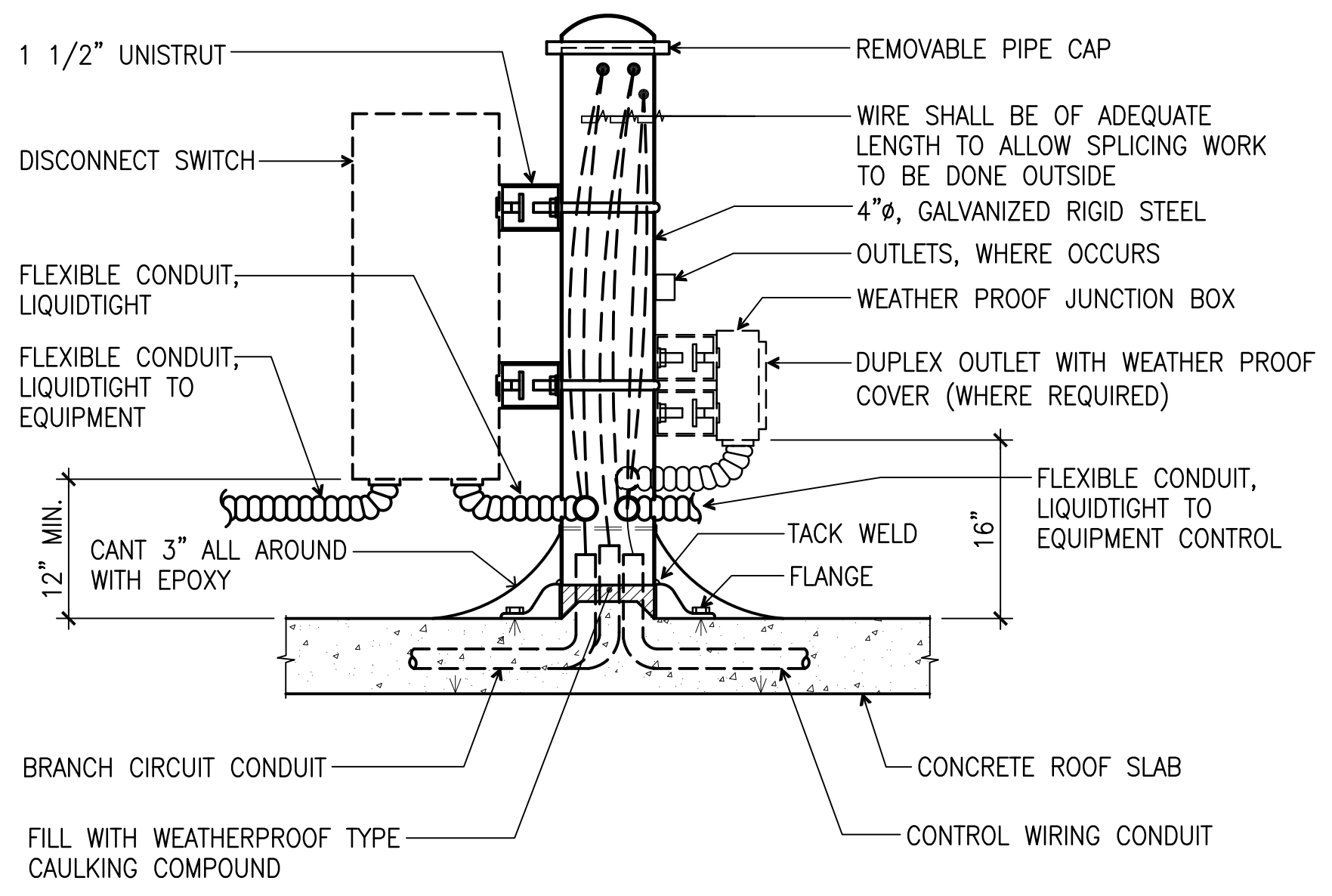
2 TRANSFORMER CONCRETE PAD DETAIL
SCALE: NONE



3 LIGHT POLE DETAIL
SCALE: NONE

* CONTRACTOR SHALL PROVIDE POLE FOUNDATION DESIGN. DESIGN SHALL MEET 170MPH WIND SPEED 1BC 2009 AND ASCE 7-05 EXPOSURE C BASED ON ACTUAL POLE AND LIGHT FIXTURE WEIGHT, EFFECTIVE PROJECT AREA (EPA), AND SOIL BEARING CAPACITY. DRAWING SHALL BE CERTIFIED BY A LICENSED STRUCTURAL ENGINEER. SUBMIT SHOP DRAWING FOR APPROVAL.

NOTE:
ALL MATERIALS & ASSEMBLIES SHALL BE RATED TO WITHSTAND 170 MPH SUSTAINED WIND LOAD.



4 ROOF MOUNTED DISCONNECT SWITCH MOUNTING DETAIL
SCALE: NONE

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REVISIONS		
No.	Description	Date

BID DOCUMENTS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
DATE: _____

Project:
CENTRAL
POLICE PRECINCT

Title:
MISCELLANEOUS DETAILS

DESIGN DEVELOPMENT

Designed: FO
Drawn: FC/RS
Checked: AA
Supv: AA
Scale: AS SHOWN
Date: 12/19/2016

Project No. File
24-16-443
Drawing No.

E13.0
Sheet No. _____ of _____

IF SHEET IS LESS THAN 24" X 36"
REDUCED PRINT - USE GRAPHIC SCALES