

- Z:\2026\WKA-26-064-00 New Baseball & Softball Dressing Rooms for Saraland High School\CAD Drawings\Architectural\---G0.1 Cover Sheet.dwg
- Wednesday, July 15, 2026 2:40:41 PM

NEW BASEBALL & SOFTBALL DRESSING ROOMS

AT

SARALAND HIGH SCHOOL

FOR THE

SARALAND CITY SCHOOL DISTRICT

SARALAND, ALABAMA

DCM# 2026466

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SHT. NUM. SHT. TITLE

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CONTACTS

Owner

Saraland City Board of Education
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PLUMBING and MECHANICAL

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Phone: (334) 263.4406

ELECTRICAL

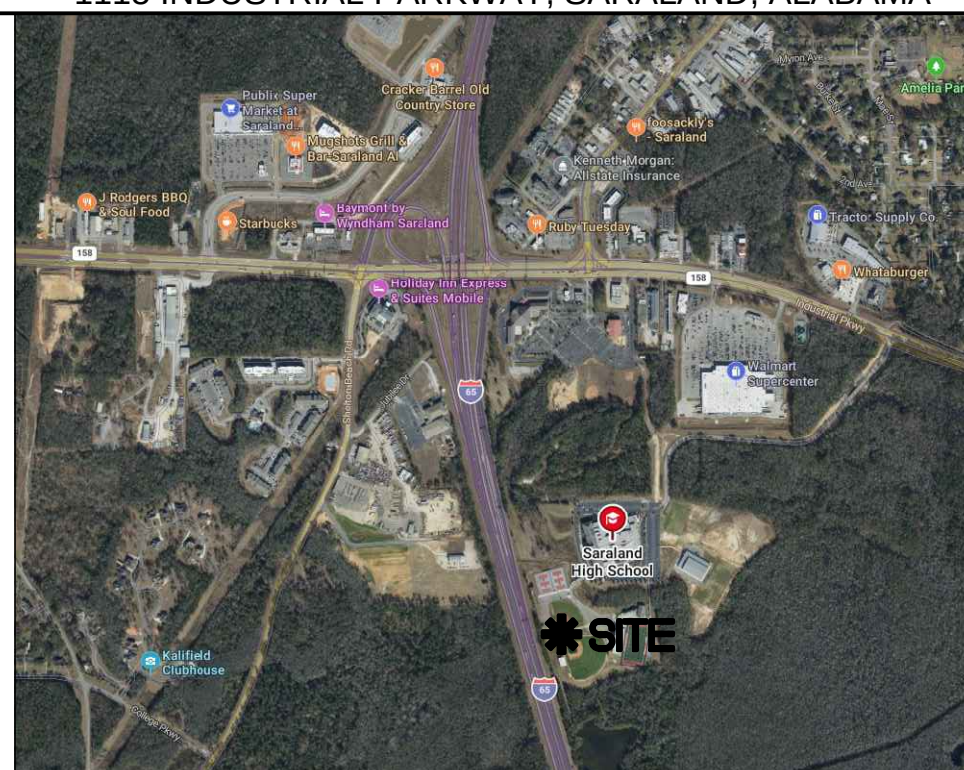
Gunn and Associates
3102 Highway 14
Millbrook, AL 36054
Phone: (334) 285.1273

VICINITY MAP



LOCATION MAP

SARALAND HIGH SCHOOL
1115 INDUSTRIAL PARKWAY, SARALAND, ALABAMA



CODE REVIEW

CODE: 2021 INTERNATIONAL BUILDING CODE

OCCUPANCY TYPE: E

SPRINKLERED: NO

NUMBER OF STORIES: 1

CONSTRUCTION TYPE: TYPE IIIB

TYPE IIIB, REQUIRES THE FOLLOWING
FIRE RESISTANCE (TABLE 601):

STRUCTURAL FRAME: 0 HOUR
EXTERIOR BEARING WALLS: 2 HOUR
INTERIOR BEARING WALLS: 0 HOUR
EXTERIOR NONBEARING WALLS: 0 HOUR
INTERIOR NONBEARING WALLS: 0 HOUR
FLOOR CONSTRUCTION: 0 HOUR
ROOF CONSTRUCTION: 0 HOUR

OTHER REQUIREMENTS:

OCCUPANCY SEPARATION (TABLE 508.4): NO MIXED OCCUPANCY

INCIDENTAL USE AREAS (TABLE 509.1): N/A

CORRIDORS (1020.2.): 1 HOUR RATED
STAIRS & SHAFT ENCLOSURES (707 & TABLE 707.3.10 NOT LEES THAN 508.4
IF APPLICABLE): NONE

SINGLE OCCUPANCY FIRE BARRIERS
(TABLE 707.3.10): NOT APPLICABLE

ALLOWABLE EXIT ACCESS TRAVEL DISTANCE:
200 FEET FOR NON-SPRINKLERED EDUCATIONAL OCCUPANCY (TABLE
1017.2)

EXIT CALCULATIONS

TOTAL BUILDING AREA

OCCUPANCY TYPE - 'E'
BUILDING TYPE: IIIB NON-SPRINKLERED
ALLOWABLE AREA FACTOR: 14,500 SQ FT (TABLE 506.2)
ACTUAL SF: 3,220 SQ FT ADDITION + 1,083 EXISTING = 4,303 SQ FT TOTAL
ALLOWABLE HEIGHT (TABLE 504.3) ALLOWABLE # OF STORIES (TABLE 504.4)
ALLOWABLE HEIGHT: 55 FT
ALLOWABLE NO. OF STORIES: 2
ACTUAL BUILDING HEIGHT: ± 20 FT
ACTUAL NO. OF STORIES: 1

BUILDING AREA MODIFICATION (506.3)
FRONTAGE INCREASE (506.3.3) - NOT NEEDED

OCCUPANT LOAD

OCCUPANT LOAD TOTAL (1004 & TABLE 1004.1.2) = 150 PERSONS

EXIT REQUIREMENTS

EXIT ACCESS (TABLE 1006.2.1 & TABLE 1006.3.3)
NO. OF EXITS REQUIRED: 2
NO. OF EXITS FURNISHED: 4

MEANS OF EGRESS WIDTH (1005.3)
SEE PLAN FOR EXIT WIDTHS.

MINIMUM CORRIDOR WIDTH (TABLE 1020.2) 72 INCHES

CODE LEGEND

SYMBOL	DESCRIPTION
EXIT	PRIMARY BUILDING EXIT
TD 250'	TRAVEL DISTANCE NEAREST TO EXIT
♿	HANDICAP ACCESSIBLE
FEC	FIRE EXTINGUISHER CABINET
340	CALCULATED EGRESS CAPACITY (PERSONS)

PLUMBING CALCULATIONS

PLUMBING REQUIREMENTS BASEBALL AND SOFTBALL FIELDS AND
NEW DRESSING ROOMS

OCCUPANT LOAD TOTAL = 448 PERSONS (250 BASEBALL, 150 SOFTBALL, 48 DRESSING ROOMS)

TOILETS (TABLE 2902.1)
MEN'S (1 PER 200 OCC.) (224 OCC.): 2R
WOMEN'S (1 PER 75 OCC.) (224 OCC.): 3R

LAVATORIES (TABLE 2902.1)
MEN'S (1 PER 300 OCC.) (224 OCC.): 1R
WOMEN'S (1 PER 300 OCC.) (224 OCC.): 1R

DRINKING FOUNTAINS (TABLE 2902.1)
(1 PER 1,000 OCC.) (448 OCC.): 1R

SERVICE SINK (TABLE 2902.1): 1R

PLUMBING CALCULATIONS
(PROVIDED TOTAL)

PLUMBING PROVIDED TOTAL

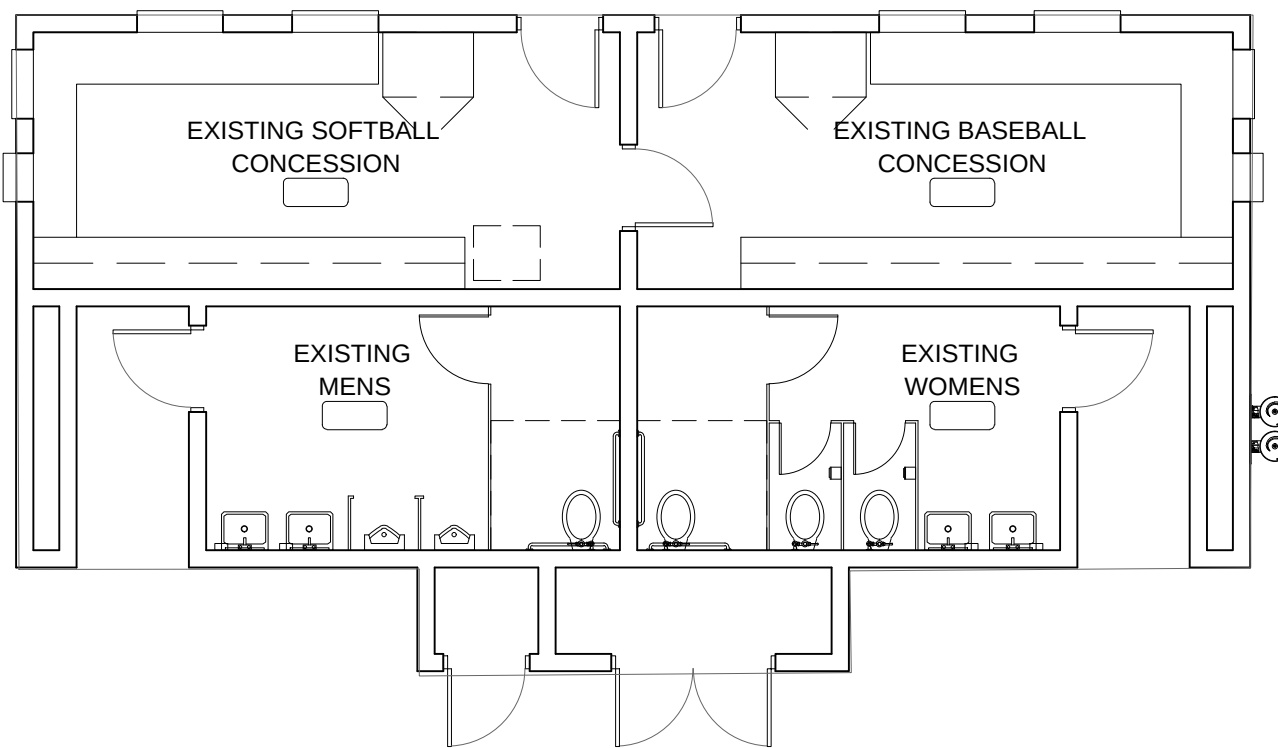
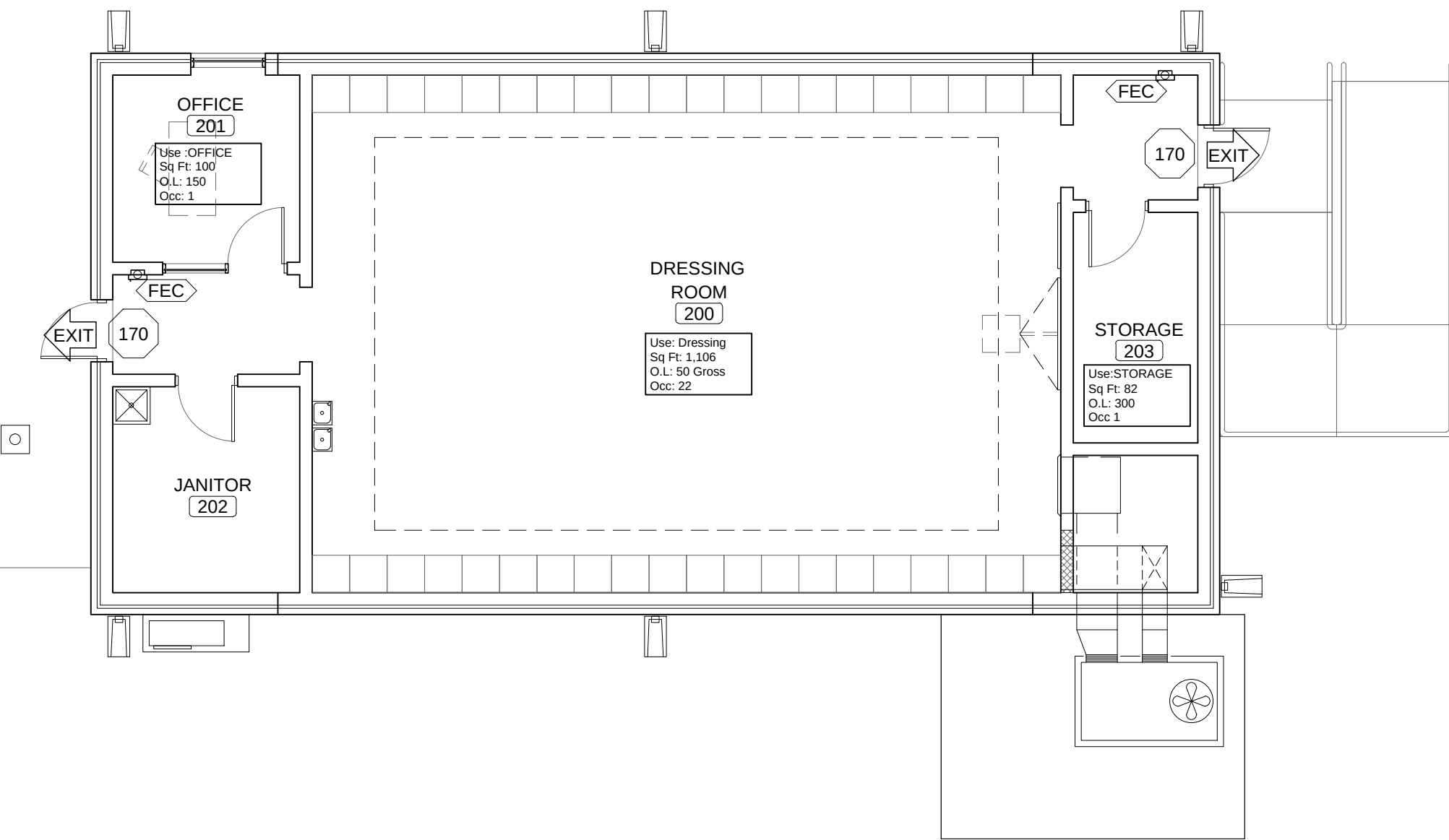
TOILETS (TABLE 2902.1)
MEN'S - 3 PROVIDED
WOMEN'S - 3 PROVIDED

LAVATORIES (TABLE 2902.1)
MEN'S - 2 PROVIDED
WOMEN'S - 2 PROVIDED

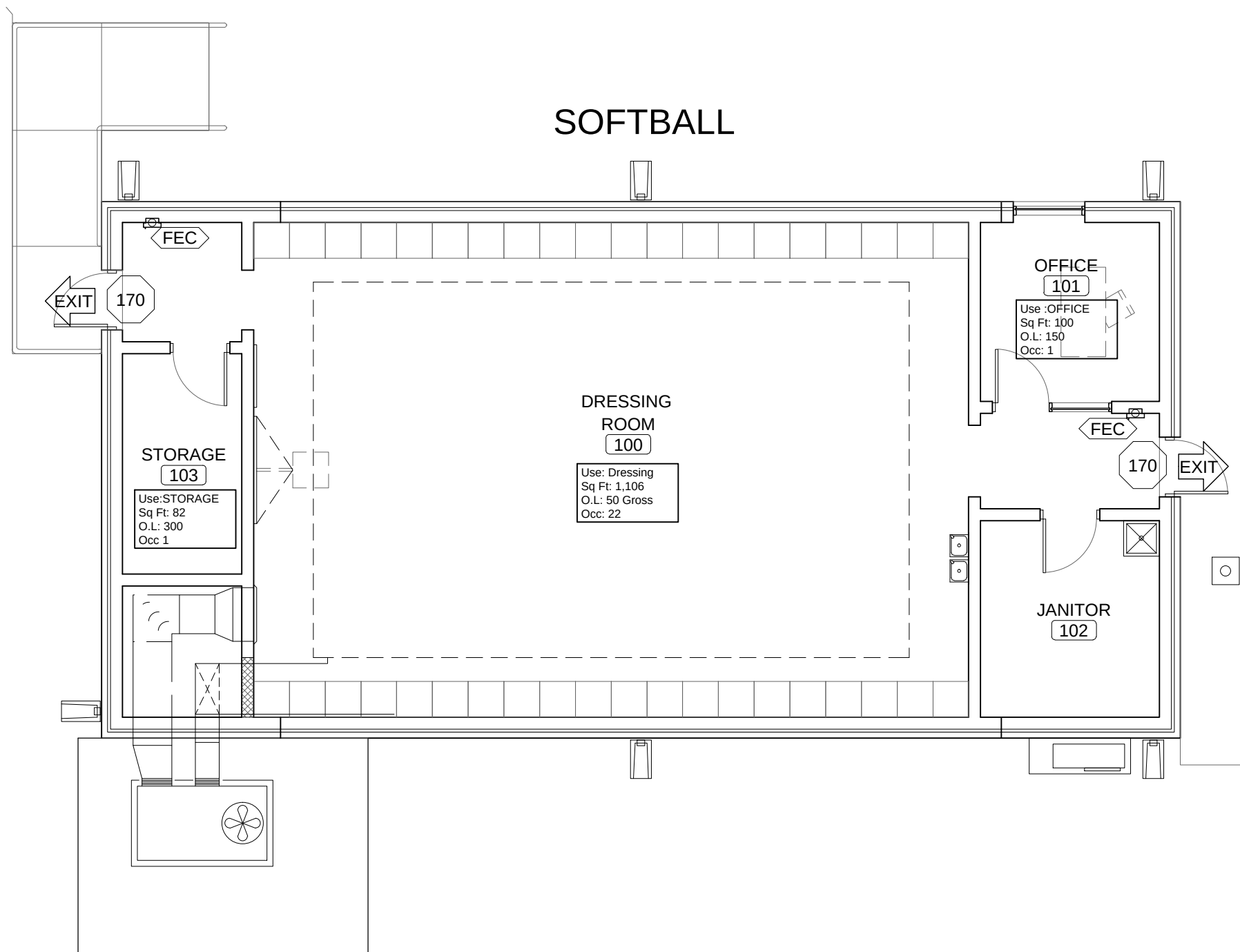
DRINKING FOUNTAINS (TABLE 2902.1)
6 PROVIDED

SERVICE SINK (TABLE 2902.1):
2 PROVIDED

BASEBALL



SOFTBALL



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

- S:\1-Clients\26-049 HS Baseball-Softball Plaza Area Saraland City Schools\CIVIL ENGINEERING\PRODUCTION DWG\SARALAND ATHLETICS TND.dwg
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UTILITY PLAN NOTES

1. THE CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER’S CONSTRUCTION SURVEILLANCE REPRESENTATIVE AND LOCAL JURISDICTIONAL INSPECTOR 48 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
3. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLAN.
4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
5. THE CONTRACTOR IS REQUIRED TO USE THE ONE–CALL CENTER TELEPHONE NUMBER FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS, HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR’S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. CONTRACTOR TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE.
7. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING AND COMPACTED SUB–GRADE.
8. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES.
9. THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE BY HIS EQUIPMENT TO EXISTING UTILITIES, CROSS–DRAIN PIPES AND HEADWALLS.
10. THE CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND PIPING.
11. ALL EXCESS MATERIAL FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING PIPE FROM FLOATING. IF PIPE FLOATS DURING CONSTRUCTION, THE CONTRACTOR SHALL RELAY PIPE TO GRADE AT HIS EXPENSE.
13. ALL PROPERTY LINE MARKERS (IRON PINS, CONCRETE MONUMENTS, ETC.) DESTROYED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF ALABAMA TO RESET PROPERTY MARKERS. THE COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
14. THE CONTRACTOR SHALL MEET OR EXCEED ALL REQUIREMENTS OF THE LOCAL UTILITIES AUTHORITY CONSTRUCTION SPECIFICATIONS FOR WATER, SEWER, & ELECTRICAL.
15. AFTER THE PROPOSED GRAVITY SEWER SYSTEM IS COMPLETED THE CONTRACTOR SHALL VIDEO THE SYSTEM & SUBMIT TO THE OWNER, ARCHITECT, & ENGINEER FOR REVIEW. THE CONTRACTOR SHALL PULL MANDREL TESTS ON ALL INSTALLED GRAVITY MAINS IN ADDITION TO ALL OTHER REQUIREMENT OF THE LOCAL UTILITY AUTHORITY.
16. THE CONTRACTOR SHALL PROVIDE AS–BUILT SHOTS OF ALL UTILITIES TO THE OWNER UPON COMPLETION.

GRADING AND DRAINAGE NOTES

1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
2. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.
3. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
4. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
5. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ATM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL FILL MATERIAL AND COMPACTION REQUIREMENTS SHALL MEET THE GEOTECHNICAL REPORT PREPARED BY GEOCON ENGINEERING & MATERIALS TESTING.
7. MAXIMUM SLOPE OF EMBANKMENT SHALL BE 3.0 FEET HORIZONTAL TO 1.0 FOOT VERTICAL, OR MATCH EXISTING.
8. PROPOSED CONTOUR INTERVALS ARE AS LABELED. ALL PROPOSED CONTOURS ARE FINISHED GRADES.
9. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE–GRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
10. EXCESS EARTH CUT MATERIAL, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.
11. ALL STORM DRAINAGE PIPE SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO VISIBLE BENDS AT JOINTS.
12. ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE METAL FRAME AND COVER FOR ACCESS.
13. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR’S RESPONSIBILITY.
14. SOILS TESTING AND ON–SITE INSPECTION SHALL BE PERFORMED BY AN ~~INDEPENDENT GEOTECHNICAL ENGINEER~~. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER’S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
15. CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL FROM LIMITS OF ROADWAY CONSTRUCTION AS DIRECTED BY AN INDEPENDENT GEOTECHNICAL–TECHNICAL ENGINEER. UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL DRAINAGE SWALES MUST BE GRASSED AND RIP–RAP MUST BE PLACED AS SHOWN TO CONTROL EROSION.
2. SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.
3. DISTURBED AREAS SHALL BE VEGETATED AFTER CONSTRUCTION. USE TEMPORARY SEASONAL SEEDING AND MULCHING ON GOING AS PER ALDOT STANDARD SPEC. SECTIONS 652 AND 656 RESPECTIVELY AND USE CENTIPEDE SOD FOR PERMANENT GRASSING AS PER ALDOT STANDARD SPEC. SECTION 654.
4. ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.
5. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
 - A. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
 - B. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.
6. FOR ALL CONSTRUCTION ALONG AND/OR ACROSS WATERWAYS, BANK PROTECTION AND STABILIZATION SHALL BE REQUIRED AS PER LOCAL JURISDICTIONAL EROSION LAWS,
7. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED. CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED BY THE CONTRACTOR AT CONSTRUCTION ACCESS POINTS PRIOR TO LAND DISTURBANCE.
8. A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
9. CONSTRUCT SILT FENCE ALONG THE DOWNSTREAM SIDE OF ALL PROPOSED FILL CONSTRUCTION.
10. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR’S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
11. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
12. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS 1/3 OF THE HEIGHT OF THE SILT FENCE UTILIZED FOR EROSION CONTROL. IN THE DETENTION POND, SILT SHALL BE REMOVED WHEN A DEPTH OF 18” HAS ACCUMULATED AT THE WEIR.
13. ALL EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION IN ACCORDANCE WITH EASEMENT PLATS PRIOR ACCEPTANCE.
14. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.

15. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
16. TREE PROTECTION AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
17. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.
18. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
19. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS POSSIBLE WITH SEASONAL TEMPORARY SEEDING AND MULCHING AS PER ALDOT STANDARD SPEC. SECTIONS 652 AND 656.
20. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
21. GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH GRASS IN KIND. IN AREAS OF INDECIPHERABLE GRASSES USE CENTIPEDE SOD FOR PERMANENT GRASSING AS PER ALDOT STANDARD SPEC. SECTION 654.
22. IT IS THE CONTRACTOR’S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES.
23. IF HEAVY RAINFALL IS PREDICTED, CONTRACTOR SHALL INSPECT EROSION CONTROL ITEMS WITH ENGINEER PRIOR TO EVENT, IF AT ALL POSSIBLE. ANY IMPROVEMENTS, CLEANING, OR ADJUSTMENTS THAT ARE REQUIRED PRIOR TO EVENT SHALL BE GIVEN FULL URGENCY AS MUCH IS POSSIBLE.

SITE NOTES

1. ALL CONCRETE SHALL BE CLASS A, 4,000 PSI AT 28 DAYS COMPRESSIVE STRENGTH WITH A MAXIMUM SLUMP OF 4” UNLESS NOTED OTHERWISE. ALL EXPOSED CONCRETE TO HAVE A FINE BROOM FINISH.
2. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER OR TENANT.
3. ALL DIMENSIONS ARE FACE OF CURB OR AS NOTED.
4. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. THE PROJECT WILL REQUIRE ROAD CLOSURE/ TRAFFIC CONTROL SCHEME.
5. SPECIAL CARE SHALL BE GIVEN WHILE WORKING NEAR PRIVATE RESIDENCES. ANY DAMAGES TO OR ADJACENT TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
6. IF ANY CONFLICTS EXIST BETWEEN APPLICABLE ACCESSIBILITY CODES, STANDARDS AND GUIDELINES THE CODES, STANDARDS, AND GUIDELINES PROVIDING THE GREATER DEGREE OF ACCESSIBILITY TAKE PRECEDENCE AS PER HUD MAP CHAPTER 5 GUIDELINES.
7. ALL ACCESSIBILITY CODES, STANDARDS AND GUIDELINES USED FOR THE PROJECT DESIGN MUST BE INCLUDED WITHIN THE CODE SUMMARY.

UTILITY PROVIDERS

POWER: ALABAMA POWER
WATER: SARALAND WATER & SEWER
SEWER: SARALAND WATER & SEWER
GAS: SPIRE

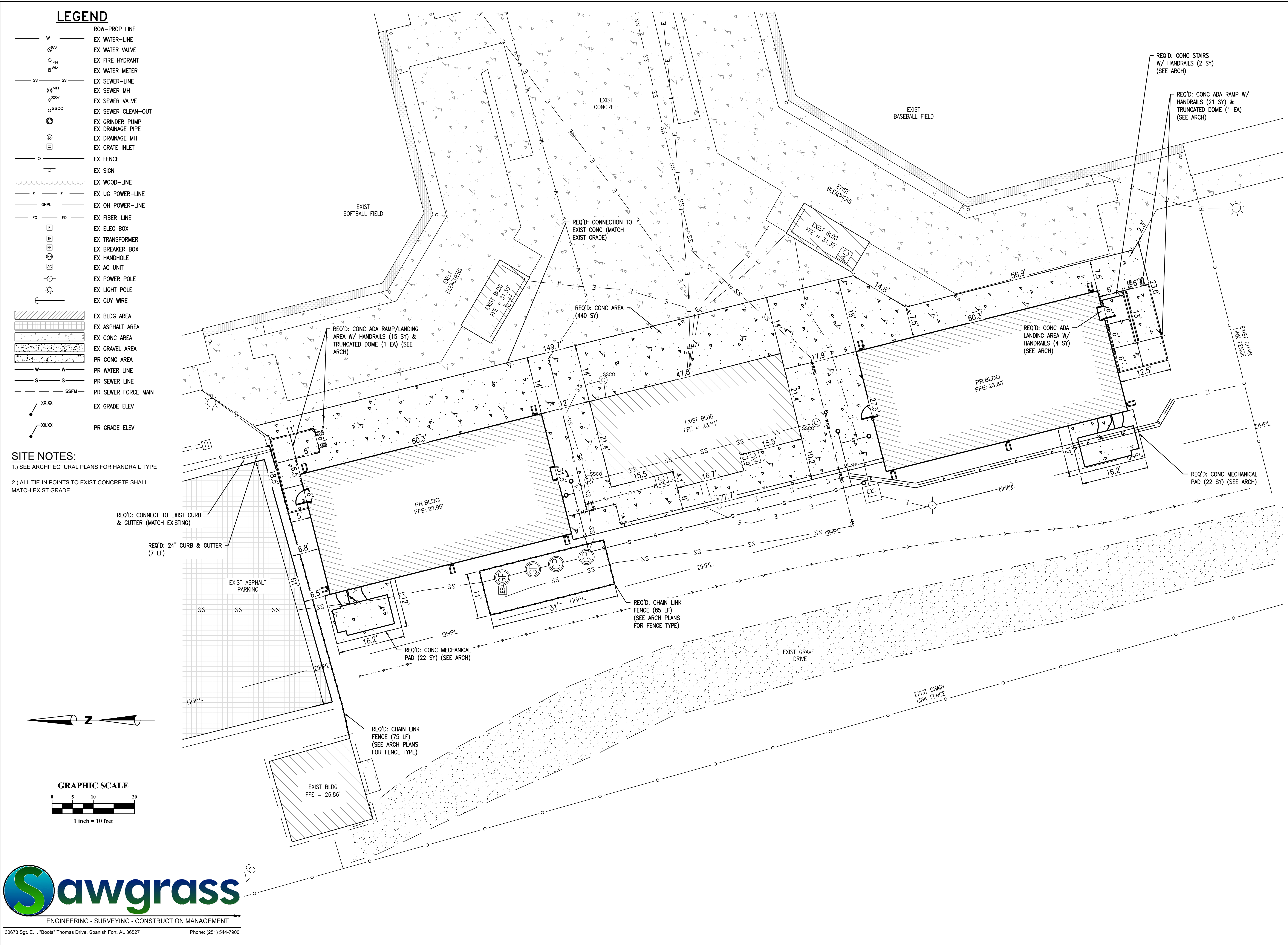
ON–SITE CONTACT: SAWGRASS CONSULTING LLC.
(251) 544–7900 (OFFICE)
(251) 544–7918 (FAX)

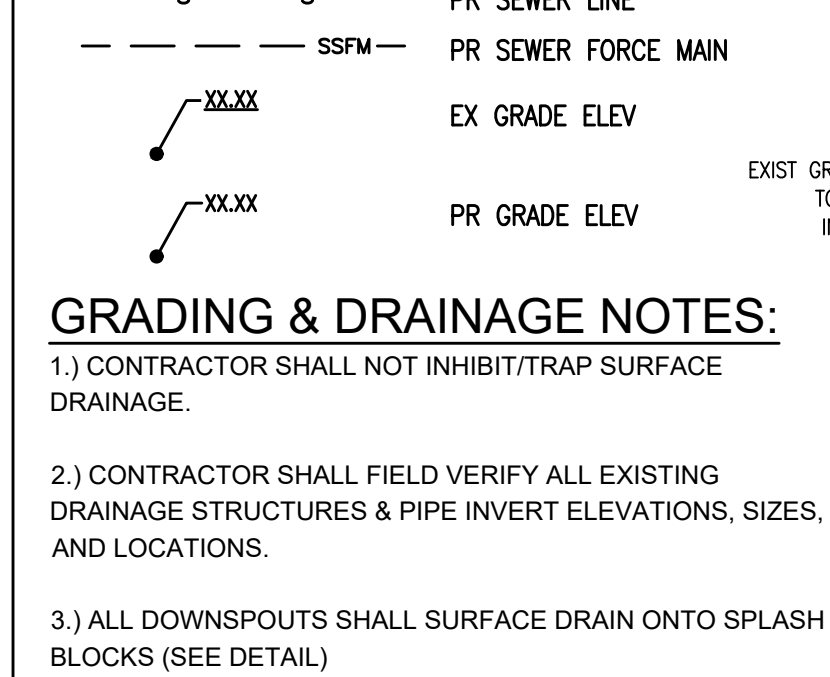
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DRAWN: MJT
DATE: 07.13.2026
REVISIONS

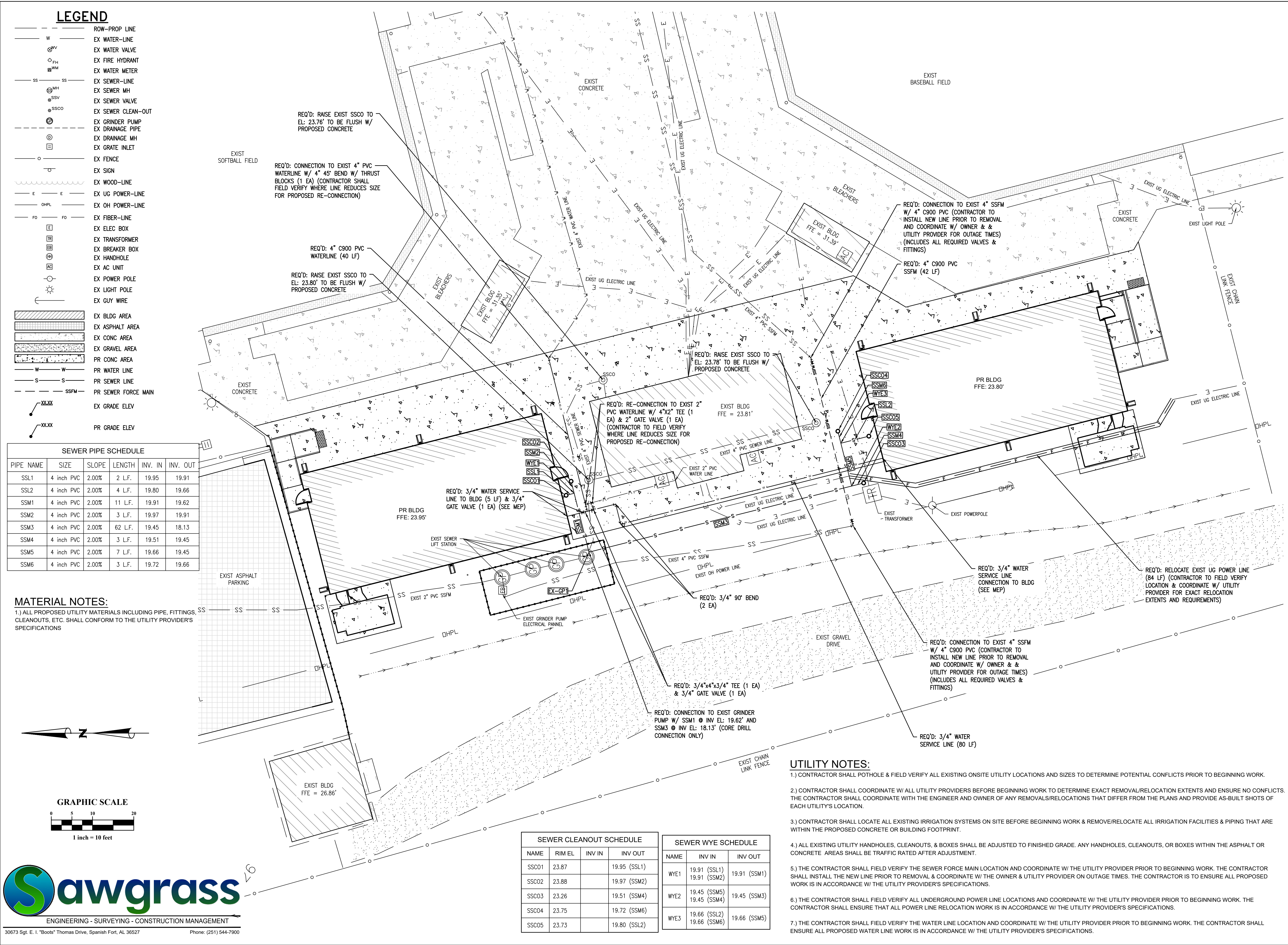
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

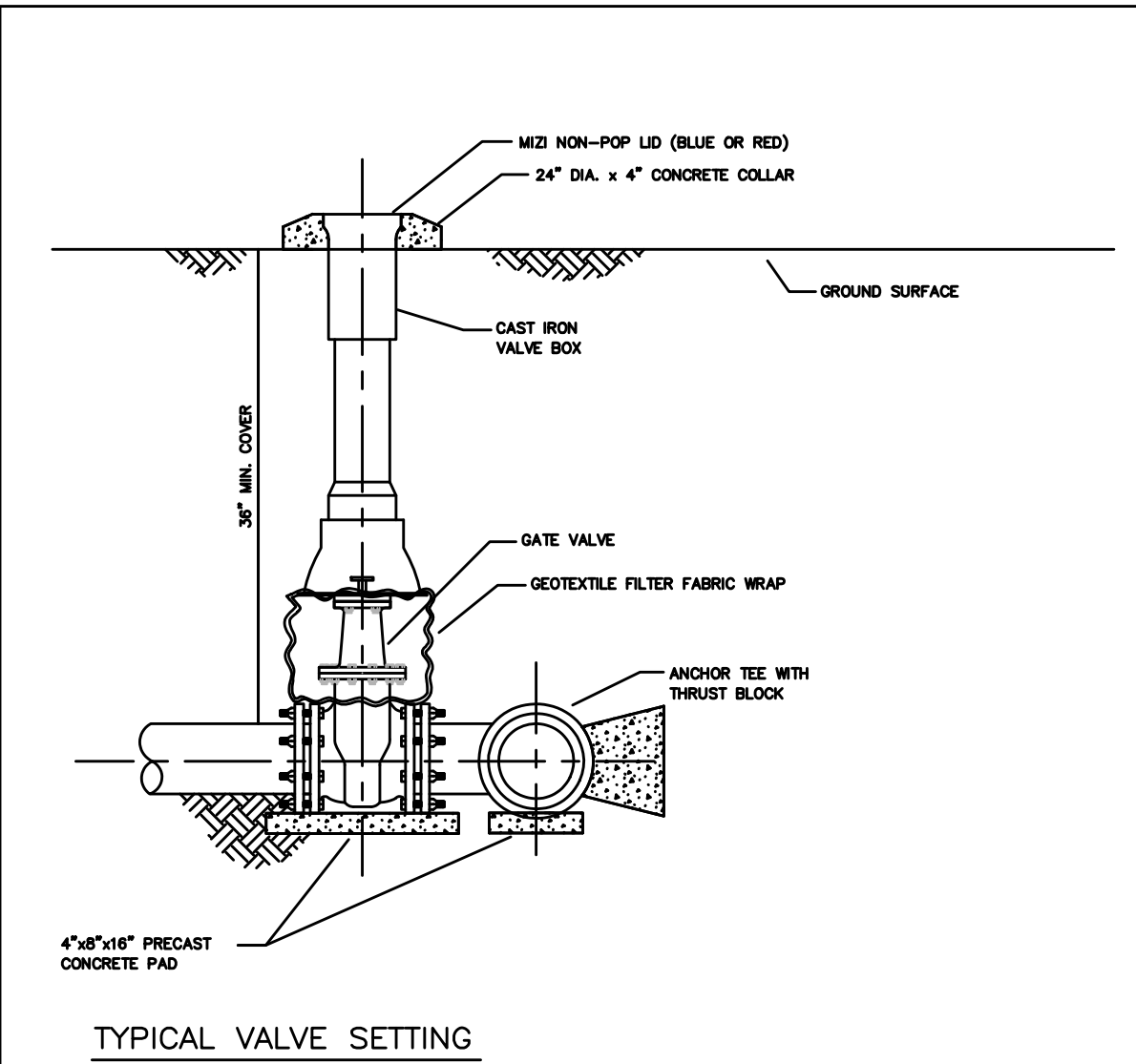


- S:\1-Clients\26-049 HS Baseball-Softball Plaza Area Saraland City Schools\CIVIL ENGINEERING\PRODUCTION DWG\SARALAND ATHLETICS GEO-UTIL.dwg
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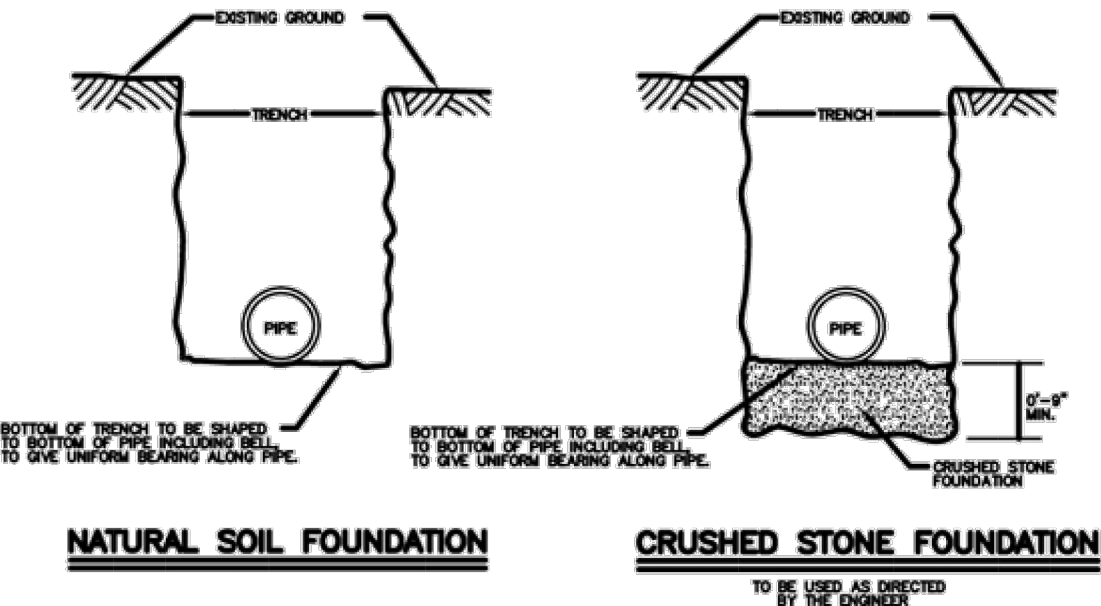
TYPICAL VALVE SETTING

- VALVE BOX NOTE:
1. VALVE BOXES SHALL BE CAST IRON AND CONSIST OF A BASE COVERING THE OPERATING NUT AND THE HEAD OF THE VALVE.
 2. ALL VALVE BOXES SHALL BE A MINIMUM OF 5-1/4 INCHES IN DIAMETER.
 3. UNDER NO CONDITION SHALL PIPE, OF ANY TYPE, BE USED IN THE PLACEMENT OF THE VALVE BOX.
 4. GEOTEXTILE FILTER WRAP AROUND BASE OF VALVE BOX.
 5. VALVE BOX WITHOUT CONCRETE COLLAR SHALL BE FLUSH WITH SURFACE IF LOCATED IN PAVED TRAVEL-WAYS.

LIMIT OF PAVEMENT		NOMINAL PIPE DIAMETER (INCHES)	TRENCH WIDTH (INCHES)
PAVING CUT- BACK	PAVING CUT- BACK		
18"	18"	4	40
8	8	6	42
8	8	8	44
10	10	10	46
12	12	12	48
14	14	14	50
15	15	15	51
16	16	16	52
18	18	18	54
20	20	20	56
24	24	24	60
30	30	30	66
36	36	36	72
42	42	42	78
48	48	48	84

TRENCH WIDTHS & PAVING CUT- BACKS

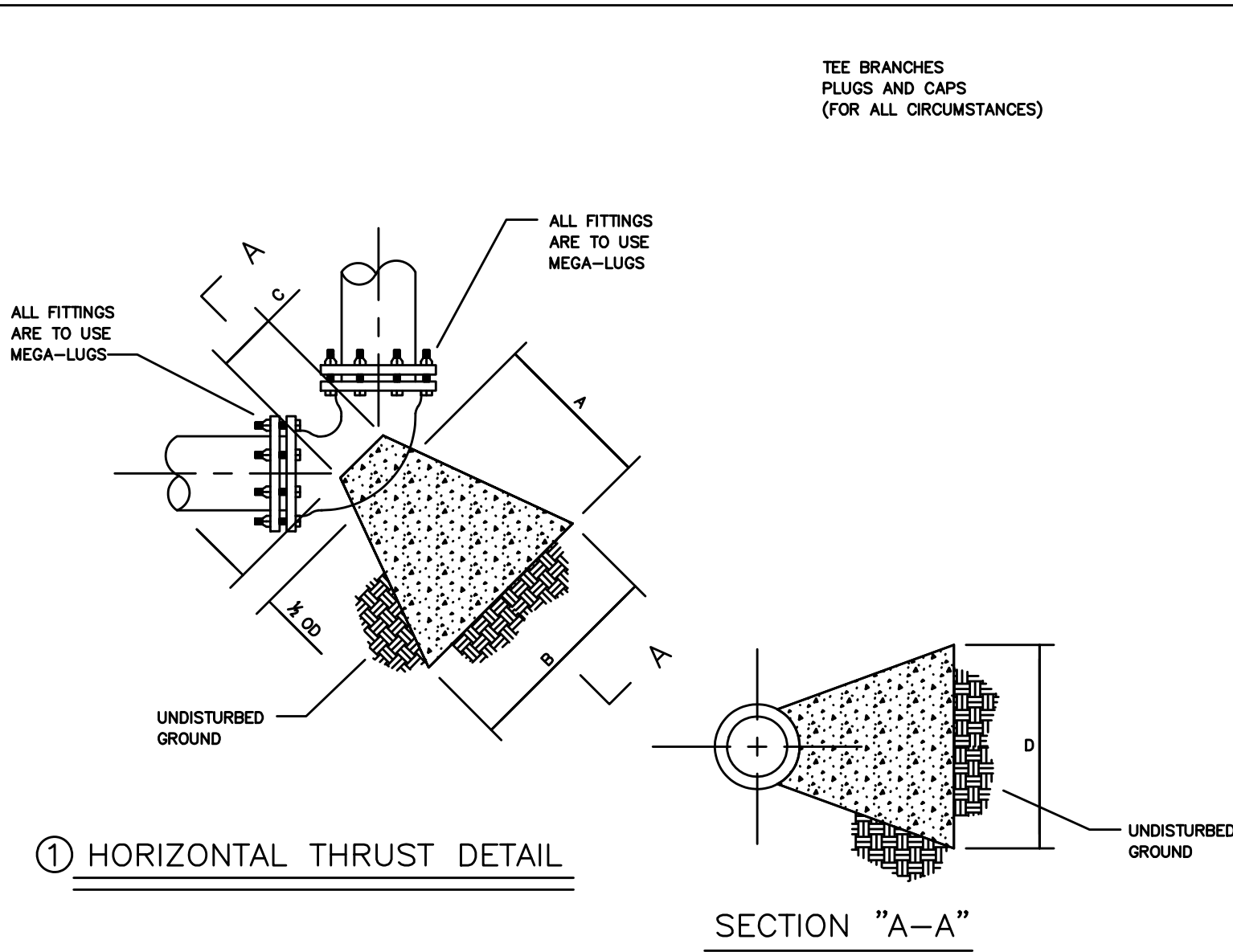
- NOTES:
1. THE LIMITS FOR PAVING OVER THE TRENCH SHALL BE THE TRENCH WIDTH SHOWN PLUS THE CUT- BACK ON EITHER SIDE OF THE TRENCH.
 2. REPLACEMENT WORK BEYOND TRENCH WIDTH OR LIMITS FOR PAVING SHALL BE AT THE CONTRACTOR'S EXPENSE. NO EXTRA COMPENSATION WILL BE ALLOWED.
 3. THE LIMITS FOR SELECT BACKFILL SHALL BE THE APPLICABLE TRENCH WIDTH SHOWN MULTIPLIED BY THE AVERAGE DEPTH OF BACKFILL TO THE TOP OF PIPE.
 4. THE JAGGED EDGES OF THE EXISTING PAVEMENT ALONG THE TRENCH CUT SHALL BE SQUARED AND CUT TO A NEAT LINE WITH AN APPROPRIATE SAW ALONG STRAIGHT LINES PARALLEL TO THE CENTER OF THE PAVEMENT CUT.



DETAIL OF PIPE FOUNDATION

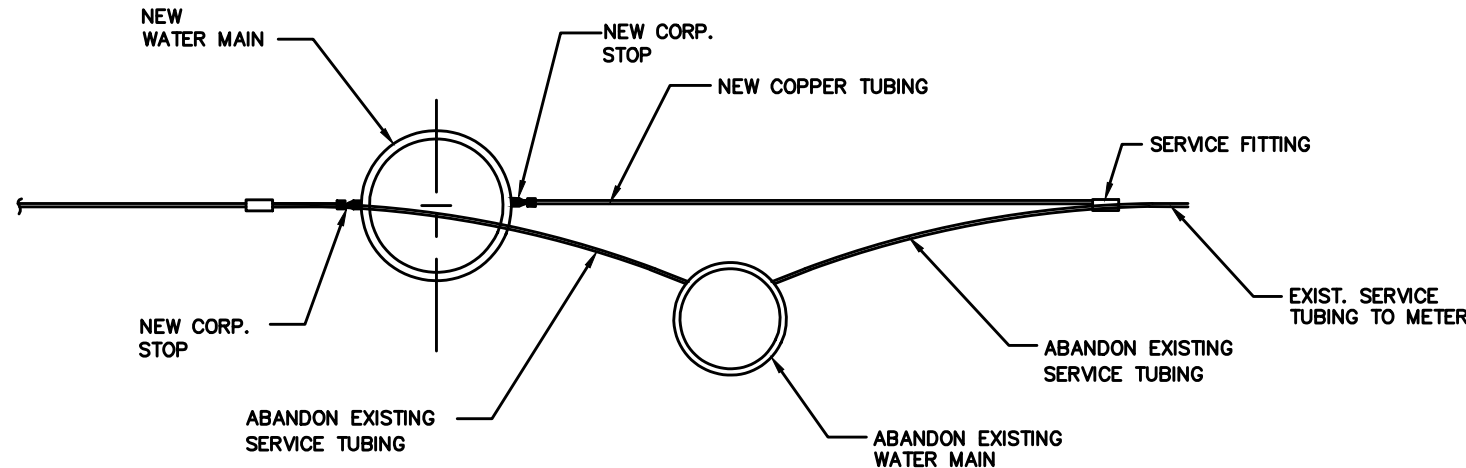
- NOTES:
1. ALL BEDDINGS SHALL CONFORM TO THE REQUIREMENTS ESTABLISHED BY SDWA.
 2. WHEN THE BOTTOM OF THE TRENCH DOES NOT... IN THE EVENT OF THE ENGINEER, BASED A SATISFACTORY FOUNDATION, THE TRENCH SHALL BE CONSTRUCTED AND BACKFILLED WITH CRUSHED STONE TO PROVIDE ADEQUATE PIPE FOUNDATION.

- GENERAL NOTES:
1. SOIL CONDITIONS SHALL BE VERIFIED BY ENGINEER BEFORE THRUST BLOCK IS CONSTRUCTED WHERE SOIL BEARING PRESSURE IS LESS THAN 2000 LB./FT. THRUST BLOCK BEARING AREA SHALL BE INCREASED APPROPRIATELY.
 2. ALL CONCRETE SHALL BE CLASS A, 4000 P.S.I.
 3. ALL MAINS GREATER THAN 12" I.D. SHALL BE INDIVIDUALLY CALCULATED BY THE ENGINEER.
 4. PIPE SHALL BE DUCTILE IRON.
 5. UNDER ADVERSE CONSTRUCTION CONDITIONS CONCRETE SHALL BE "HIGH EARLY" TYPE.

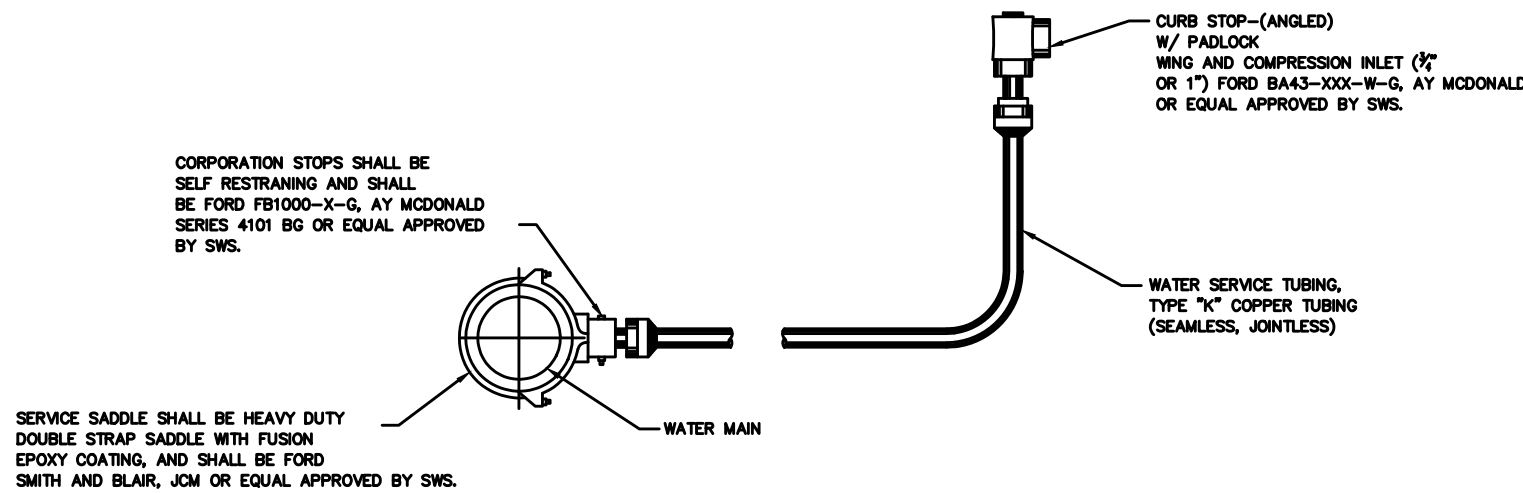


HORIZONTAL THRUST DETAIL

① DIMENSIONS FOR CONCRETE BLOCKING HORIZONTAL THRUST						
BEND	SIZE	A (FT.)	B (FT.)	C (FT.)	D (FT.)	VOLUME (CU. YD.)
111°	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	1.0	2.0	11"	2.0	0.1
	18"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
221°	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	18"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	1.0
45°	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	18"	3.0	5.0	15"	4.0	1.4
	20"	4.0	6.0	19"	5.0	2.6
90°	6"	1.5	2.0	7"	1.75	0.13
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	4.0	0.8
	18"	3.0	5.0	15"	5.0	1.5
	20"	4.0	7.0	19"	6.0	3.9

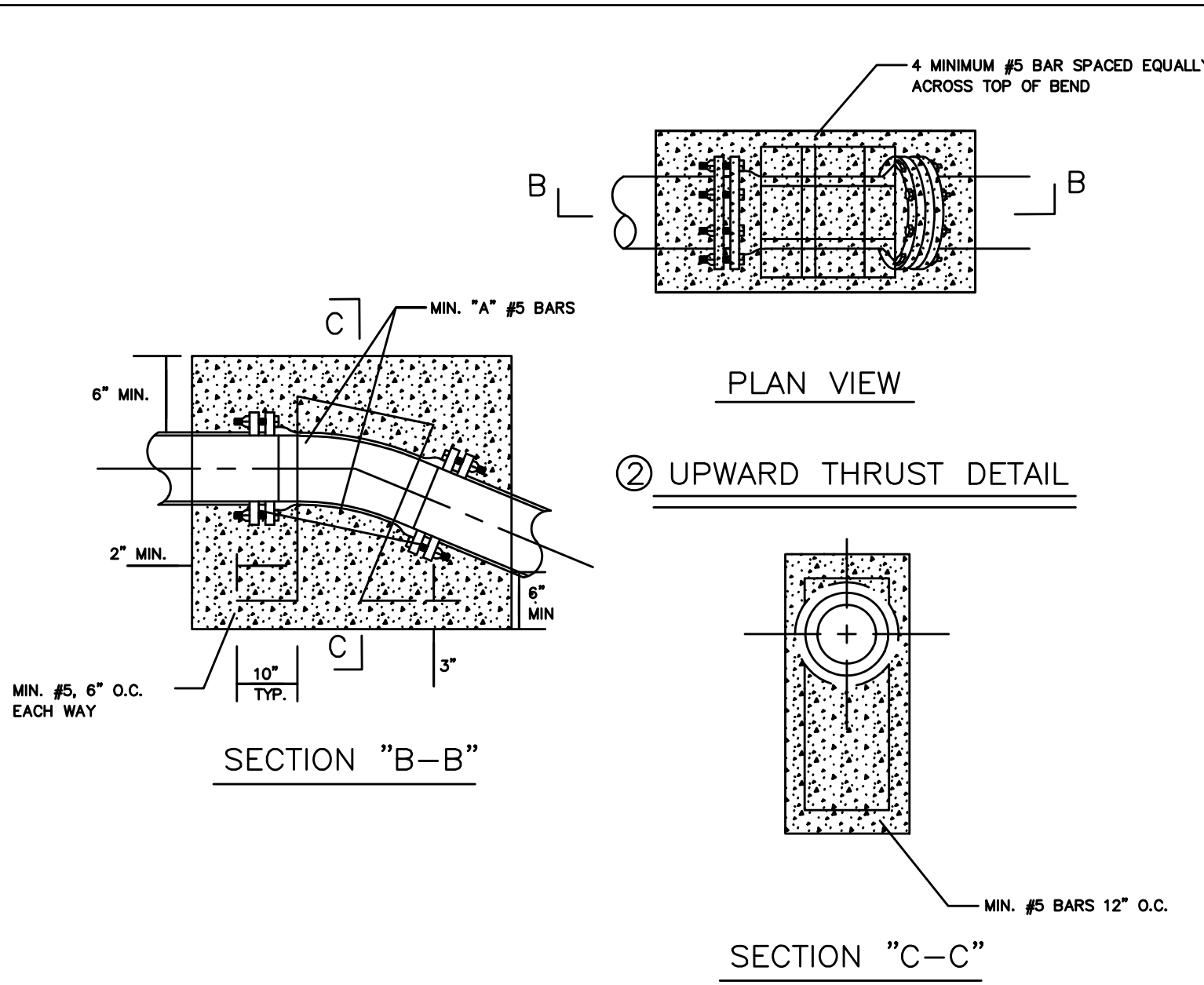


CONNECTION OF EXISTING SERVICES

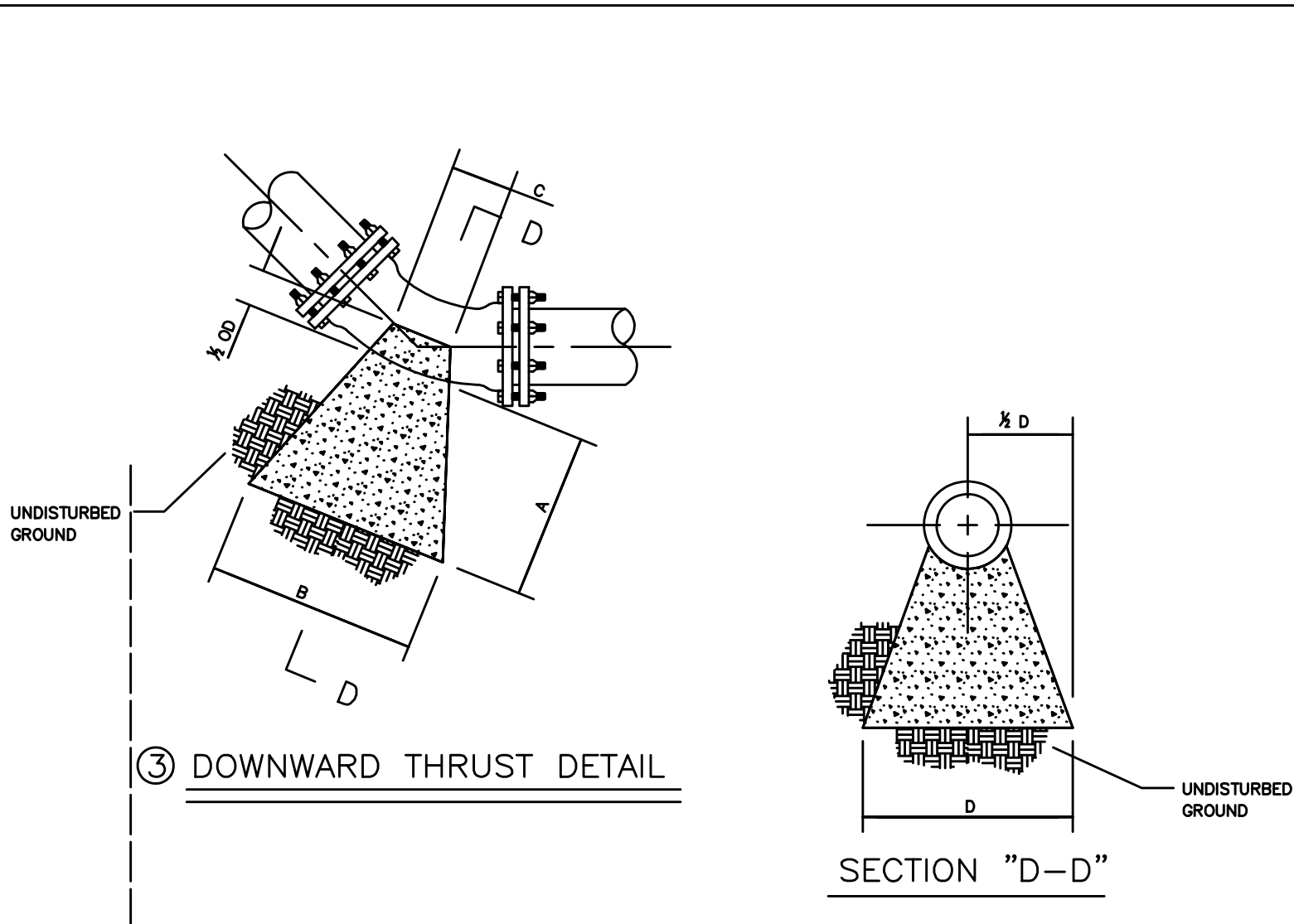


SERVICE CONNECTION DETAIL

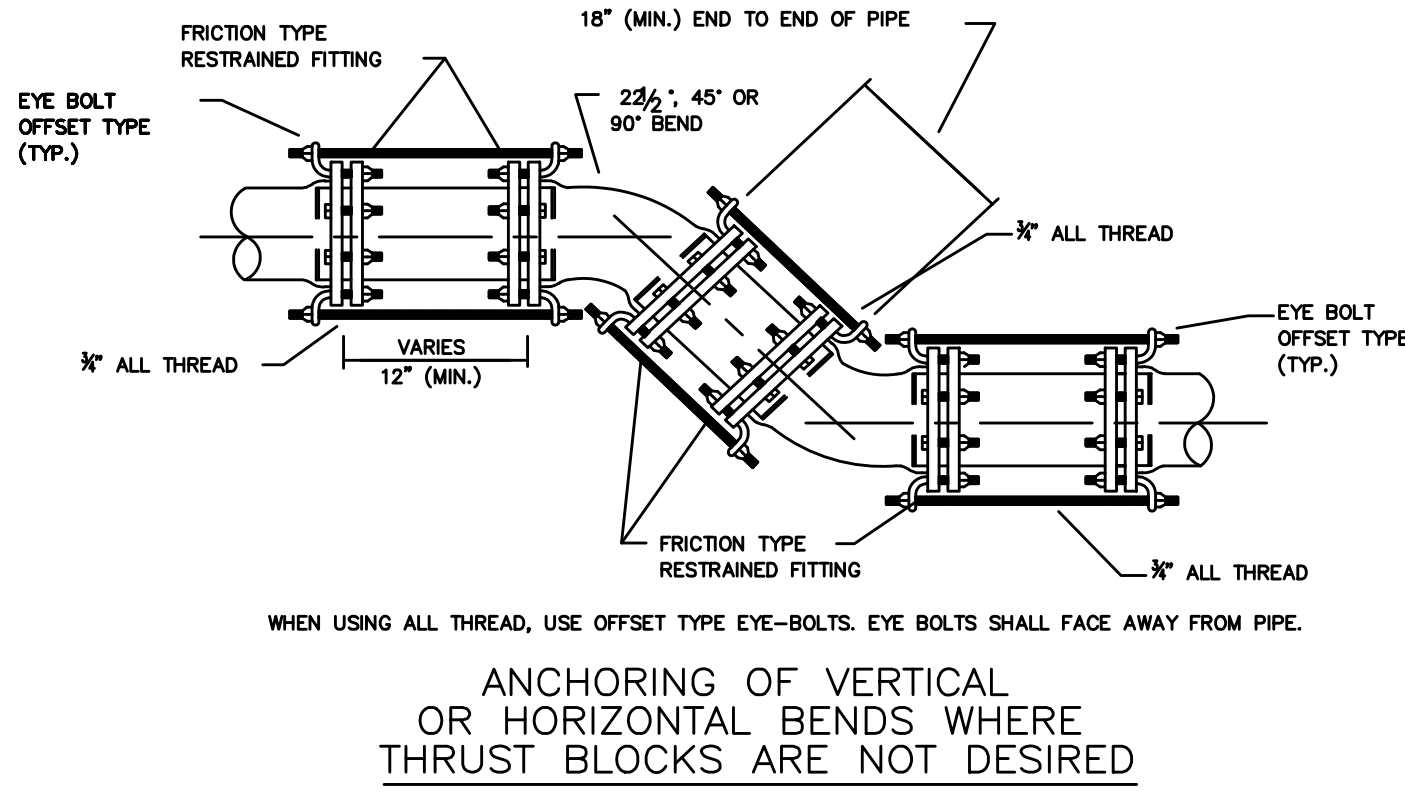
- CONNECTION NOTES:
1. DRIVEWAYS SHALL NOT BE BUILT OVER METERS.
 2. ALL LINES SHALL BE CHLORINATED AND PRESSURE TESTED IN COMPLETE ACCORDANCE WITH SPANISH FORT WATER SYSTEMS SPECIFICATIONS AND REQUIREMENTS. AFTER SUCCESSFUL COMPLETION OF THE TESTING AND CHLORINATION, THE PRESSURE SHALL REMAIN ON THE SYSTEM AT ALL TIMES.
 3. TEN FT. SEPARATION REQUIRED HORIZONTALLY BETWEEN PARALLEL WATER AND SEWER LINES.
 4. SADDLE IS REQUIRED FOR ALL SERVICE CONNECTION TO MAINS.
 5. MINIMUM DISTANCE BETWEEN SERVICE TAPS TO BE NOT LESS THEN 36".
 6. AIR RELEASE VALVES ARE NOT ALLOWED BY SMS.



② DIMENSIONS FOR CONCRETE REQUIRED TO RESIST UPWARD THRUST			
BEND	SIZE	A NO. OF VERT. BARS REQ'D	VOLUME (CU. YD.)
111°	6"	2	0.3
	8"	2	0.5
	12"	2	1.4
	18"	3	2.4
	20"	3	3.8
221°	6"	2	0.7
	8"	2	1.2
	12"	2	2.7
	18"	3	4.8
	20"	3	7.4
45°	6"	2	1.2
	8"	2	2.2
	12"	2	4.9
	18"	3	8.8
	20"	3	13.7
90°	6"	2	1.8
	8"	2	3.1
	12"	3	7.0
	18"	3	12.4
	20"	4	19.4



③ DIMENSIONS FOR CONCRETE BLOCKING DOWNWARD THRUST						
BEND	SIZE	A (FT.)	B (FT.)	C (FT.)	D (FT.)	VOLUME (CU. YD.)
111°	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	1.0	2.0	11"	2.0	0.1
	18"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
221°	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	18"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	1.0
45°	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	18"	3.0	5.0	15"	4.0	1.4
	20"	4.0	6.0	19"	5.0	2.6
90°	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	18"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3



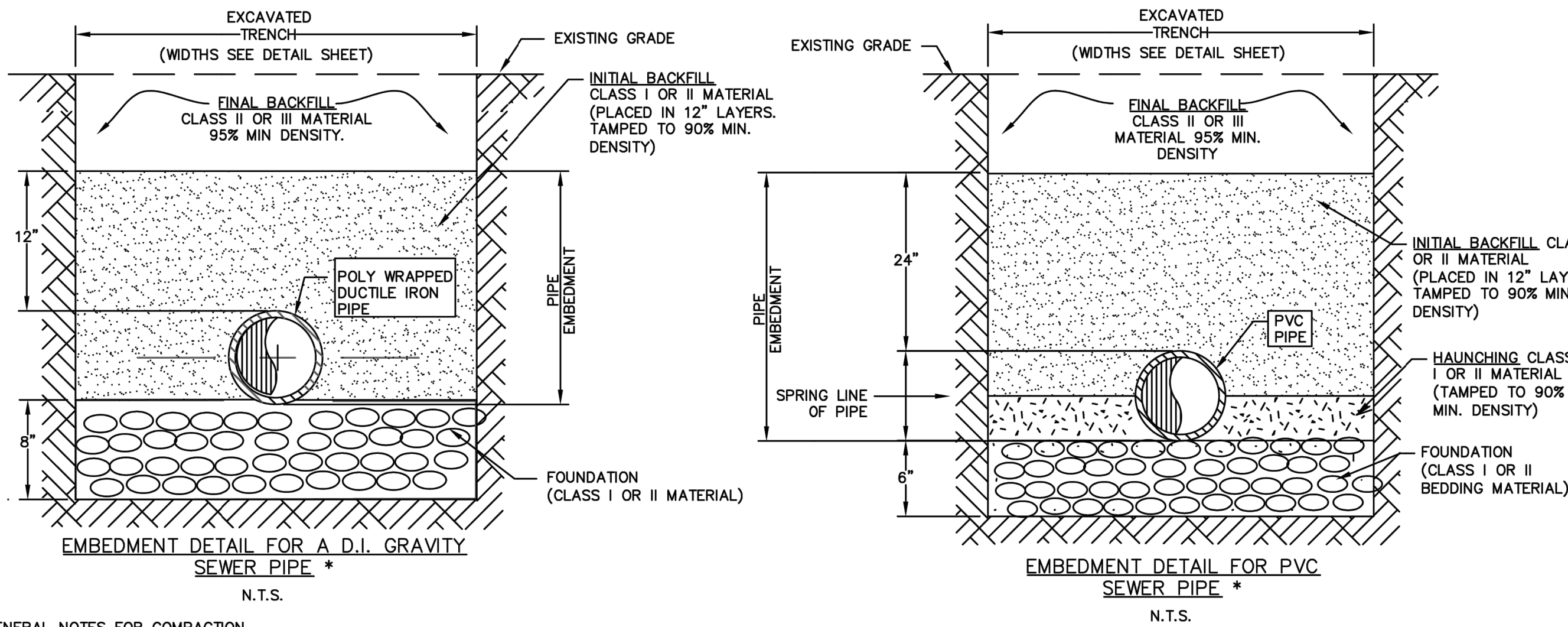
ANCHORING OF VERTICAL OR HORIZONTAL BENDS WHERE THRUST BLOCKS ARE NOT DESIRED



DETAIL NOTES:

- 1.) SEE SARALAND WATER AND SEWER SERVICE STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL DRAWINGS FOR ALL PROPOSED UTILITY WORK

- S:\1-Clients\26-049 HS Baseball-Softball Plaza Area Saraland City Schools\CIVIL ENGINEERING\PRODUCTION DWG\SARALAND ATHLETICS TND.dwg
- Wednesday, July 15, 2026 11:19:31 AM



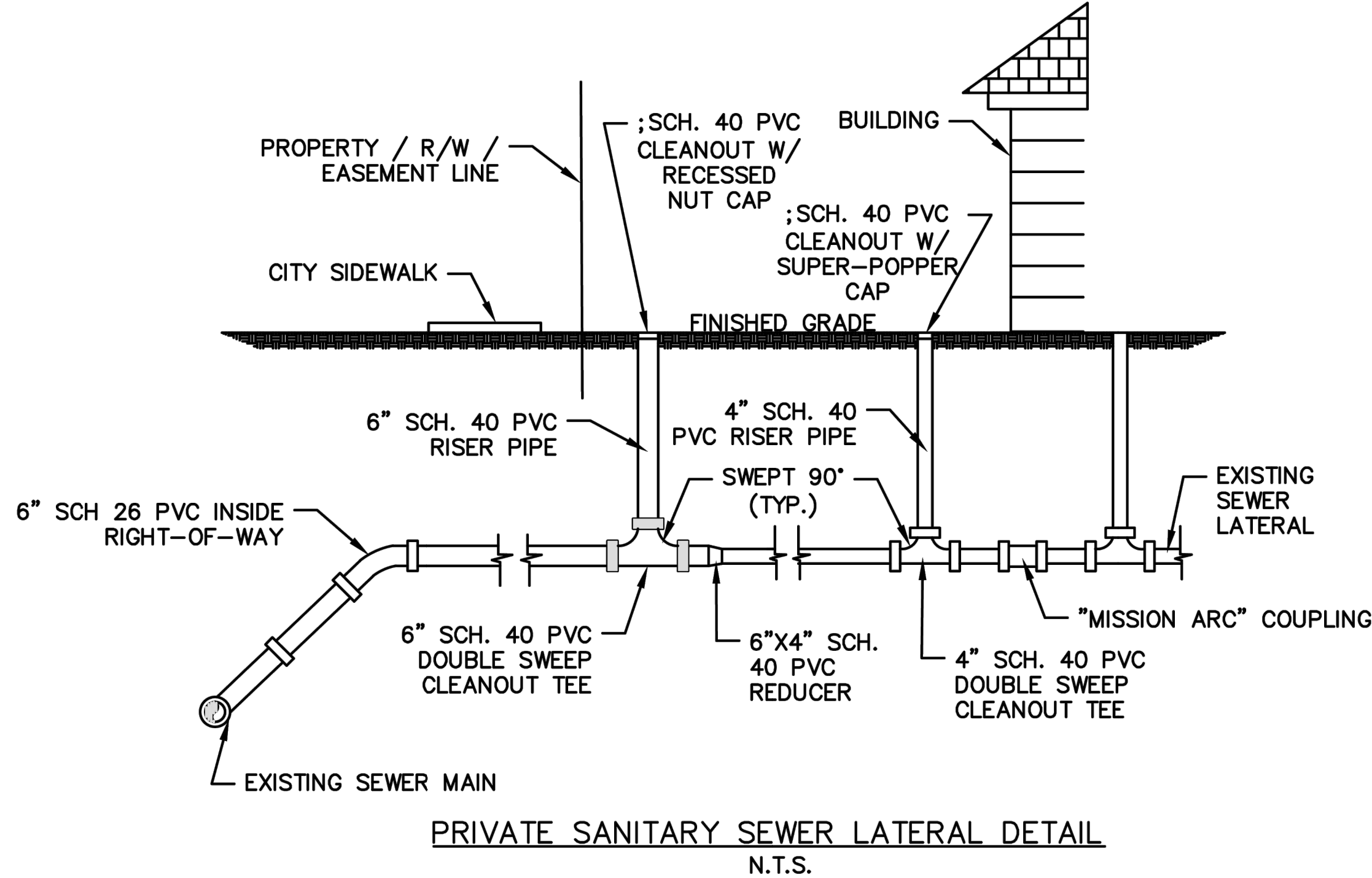
GENERAL NOTES FOR COMPACTION

1. WHEN USING MECHANICAL COMPACTORS, AVOID CONTACT WITH PIPE. USE SMALL MECHANICAL COMPACTORS WHEN COMPACTING OVER PIPE CROWN AND MAINTAIN 6" MINIMUM COVER ABOVE PIPE. COMPACTION WITH BACK-HOE BUCKET, OR OTHER EQUIPMENT NOT INTENDED FOR COMPACTION USE, IS NOT ALLOWED.
2. MATERIAL SHALL BE INSTALLED AND COMPACTED IN 12" MAXIMUM LAYERS.
3. FINAL GRADE OF BEDDING SHALL BE LEVELED BY HAND.
4. HAUNCHING SHALL BE WORKED IN AROUND PIPE BY HAND & EVENLY TAMPED TO PROVIDE UNIFORM SUPPORT.
5. EMBEDMENT COMPACTION SHALL BE ACHIEVED BY PLACING AND WORKING IN BY HAND TO INSURE ALL EXCAVATED VOIDS AND HAUNCH AREAS ARE FILLED. HAND TAMP WITH VIBRATORY PLATE COMPACTORS. TO MINIMIZE COMPACTION EFFORT OF CLASS III MATERIAL, MOISTURE CONTENT SHALL BE MAINTAINED NEAR OPTIMUM.
6. LOCALIZED LOADINGS/DIFFERENTIAL SETTLEMENT SHALL BE MINIMIZED AT PIPE CROSSINGS.
7. PLACEMENT OF EMBEDMENT MATERIALS SHALL BE BY METHODS THAT WILL NOT DISTURB OR DAMAGE THE PIPE.
8. WORK IN AND TAMP THE HAUNCHING MATERIAL IN THE AREA BETWEEN THE BEDDING AND UNDERSIDE OF THE PIPE BEFORE PLACING AND COMPACTING THE REMAINDER OF THE EMBEDMENT IN THE PIPE ZONE.
9. USE COMPACTION EQUIPMENT AND TECHNIQUES THAT ARE COMPATIBLE WITH MATERIALS USED AND LOCATION IN THE TRENCH. (SEE NOTE 12)
10. HEAVY COMPACTION EQUIPMENT SHALL NOT BE USED FOR COMPACTION PURPOSES WITHIN THE PIPE EMBEDMENT AND FOUNDATION PIPE ZONES. BEFORE USING HEAVY COMPACTION OR CONSTRUCTION EQUIPMENT DIRECTLY OVER THE PIPE, PLACE SUFFICIENT BACKFILL TO PREVENT DAMAGE, EXCESSIVE DEFLECTIONS, OR OTHER DISTURBANCE OF THE PIPE. SUFFICIENT BACKFILL SHALL BE AS DETERMINED BY THE ENGINEER.

11. THE MINIMUM DEPTH OF COVER TO BE ESTABLISHED BY THE ENGINEER. IN THE ABSENCE OF AN ENGINEER REVIEW, THE FOLLOWING "DEFAULT" COVER RECOMMENDATIONS SHALL BE USED. FOR CLASS I, EMBEDMENT MATERIALS INSTALLED TO THE MINIMUM REQUIRED DENSITIES SHALL PROVIDE COVER OF AT LEAST 24" OR ONE PIPE DIAMETER (WHICHEVER IS GREATER). FOR CLASS II AND III, EMBEDMENT MATERIALS INSTALLED TO THE MINIMUM REQUIRED DENSITIES SHALL PROVIDE COVER OF AT LEAST 36" OR ONE PIPE DIAMETER (WHICHEVER IS GREATER). AT LEAST 48" COVER IS REQUIRED BEFORE USING HEAVY COMPACTION EQUIPMENT.
12. COMPACTION METHODS:
 - a. COARSE GRAINED, CLEAN MATERIALS, SUCH AS CRUSHED STONE, GRAVELS AND SAND, ARE MORE READILY COMPACTED USING VIBRATORY EQUIPMENT. VIBRATORY PLATE TAMPERS WORK WELL FOR COARSE GRAINED MATERIALS (CLASS I AND CLASS II).
 - b. FINE MATERIALS REQUIRE KNEADING AND IMPACT FORCE ALONG WITH CONTROLLED WATER CONTENT TO ACHIEVE ACCEPTABLE DENSITIES. HAND TAMPERS OR AIR DRIVEN HAND-HELD IMPACT RAMMERS ARE SUITABLE FOR THE FINE GRAINED MATERIALS (CLASS III AND CLASS IV).
 - c. IN TRENCHES, SMALL HAND-HELD OR WALK BEHIND COMPACTORS ARE REQUIRED TO PRECLUDE DAMAGE TO THE PIPE AND TO INSURE THOROUGH COMPACTION IN THE CONFINED AREAS AROUND THE PIPE AND ALONG THE TRENCH WALL.

EMBEDMENT MATERIAL & CLASS DESCRIPTIONS: (SEE SPECIFICATIONS FOR SIEVE ANALYSIS)
CLASS I - ANGULAR, GRADED STONE, OR ROCK, DENSE OR OPEN GRADED W/ LITTLE OR NO FINES (1/2" INCH TO 1 1/2" INCH IN SIZE) (ALDOT #57 STONE, B-BASE)
CLASS II - CLEAN COARSE GRAINED SANDS & GRAVELS (1 1/2" INCH MAXIMUM SIZE)
CLASS III - COARSE GRAINED MATERIAL W/ FINES. GRAVEL OR SAND MUST COMPRISE MORE THAN 50% OF CLASS III MATERIALS. (1 1/2" INCHES MAX. SIZE)

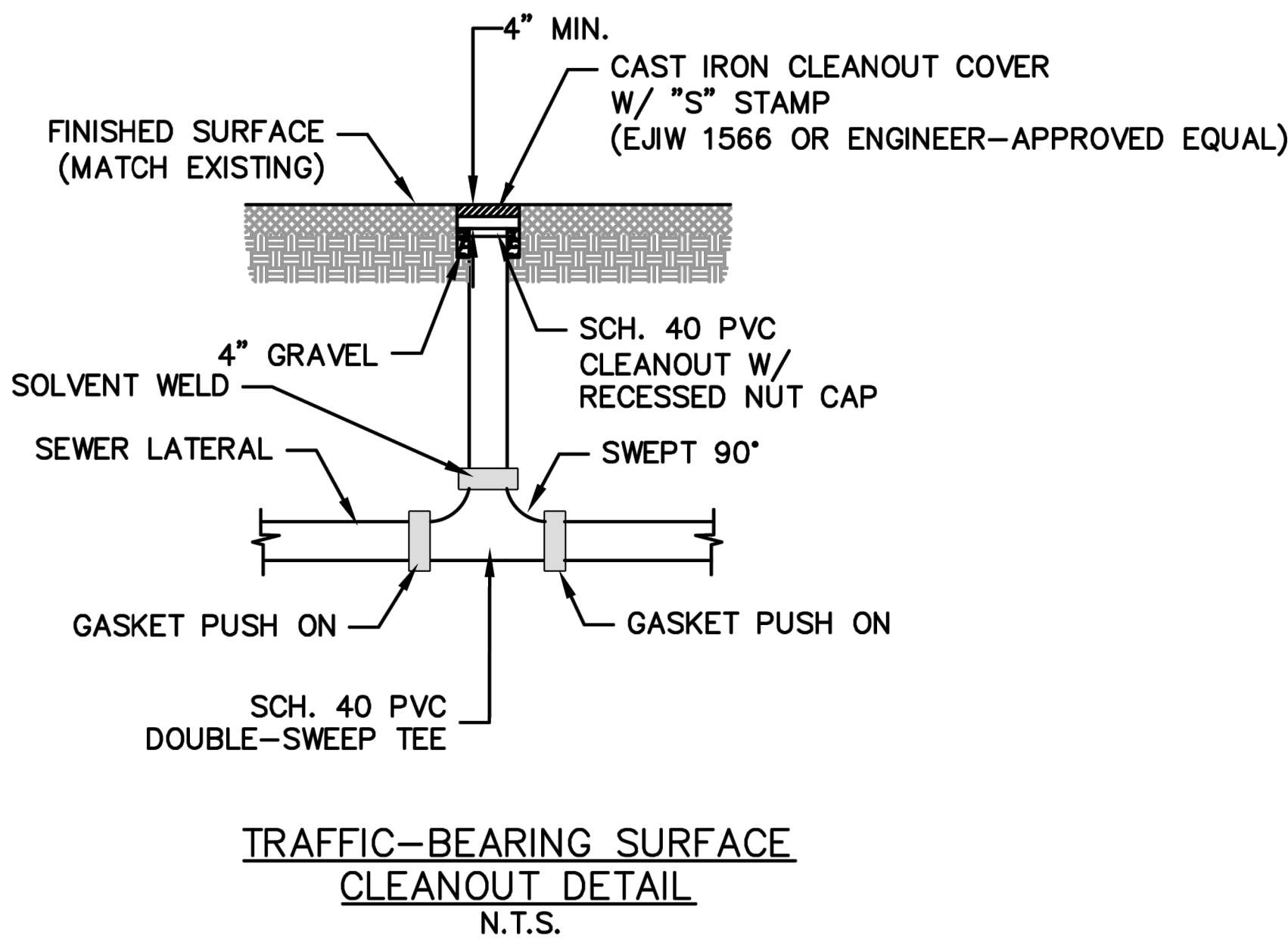
*UNLESS OTHERWISE SPECIFIED BY GEOTECHNICAL REPORT



PRIVATE SANITARY SEWER LATERAL DETAIL
N.T.S.

NOTES:

1. A CLEANOUT SHALL BE PLACED AT THE PROPERTY / RIGHT-OF-WAY / EASEMENT LINE AND WITHIN 2' TO 5' OF BUILDING OR AS APPROVED BY THE ENGINEER. CLEANOUTS PLACED AT THE BUILDINGS SHALL HAVE DOUBLE-SWEEP TEES & SUPER-POPPER CAP PER CITY PLUMBING CODES.
2. A CAST IRON CLEANOUT COVER AS SHOWN IN DETAIL ABOVE SHALL BE INSTALLED IN DRIVEWAYS AND OTHER TRAFFIC-BEARING SURFACES.
3. DETAILS SHOWN ABOVE ARE TYPICAL FOR AN EXISTING 4" LATERAL. LINE SIZES AND ALL ASSOCIATED ITEMS INCLUDING FITTINGS AND TEES SHALL BE EITHER 4" OR 6", AS APPROPRIATE.
4. DOUBLE SWEEP TEE SHALL BE GASKET RUN JOINTS BY SOLVENT WELD BRANCH JOINTS.

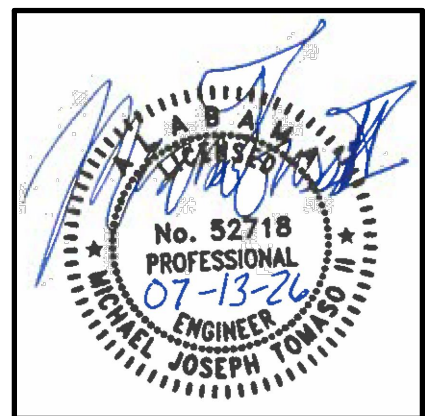


DETAIL NOTES:

- 1.) SEE SARALAND WATER AND SEWER SERVICE STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL DRAWINGS FOR ALL PROPOSED UTILITY WORK

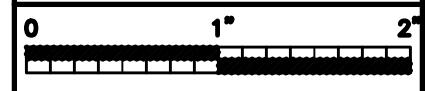
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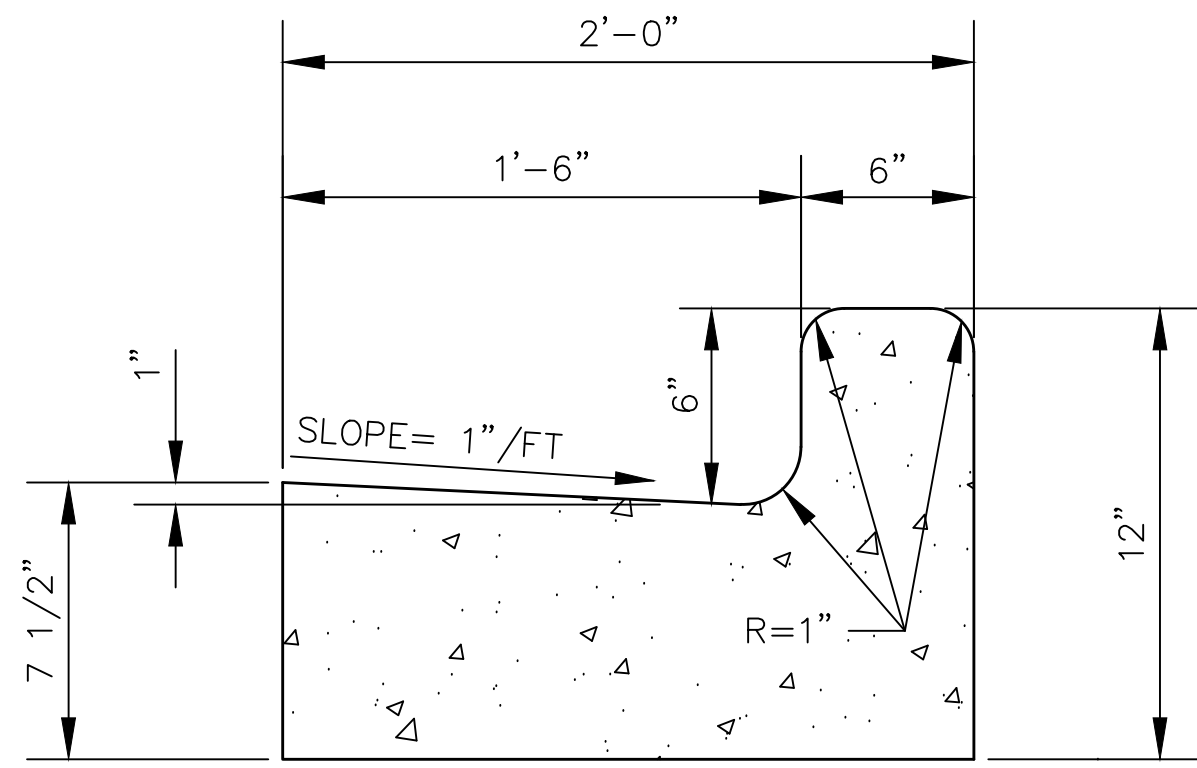
SEWER
DETAILS



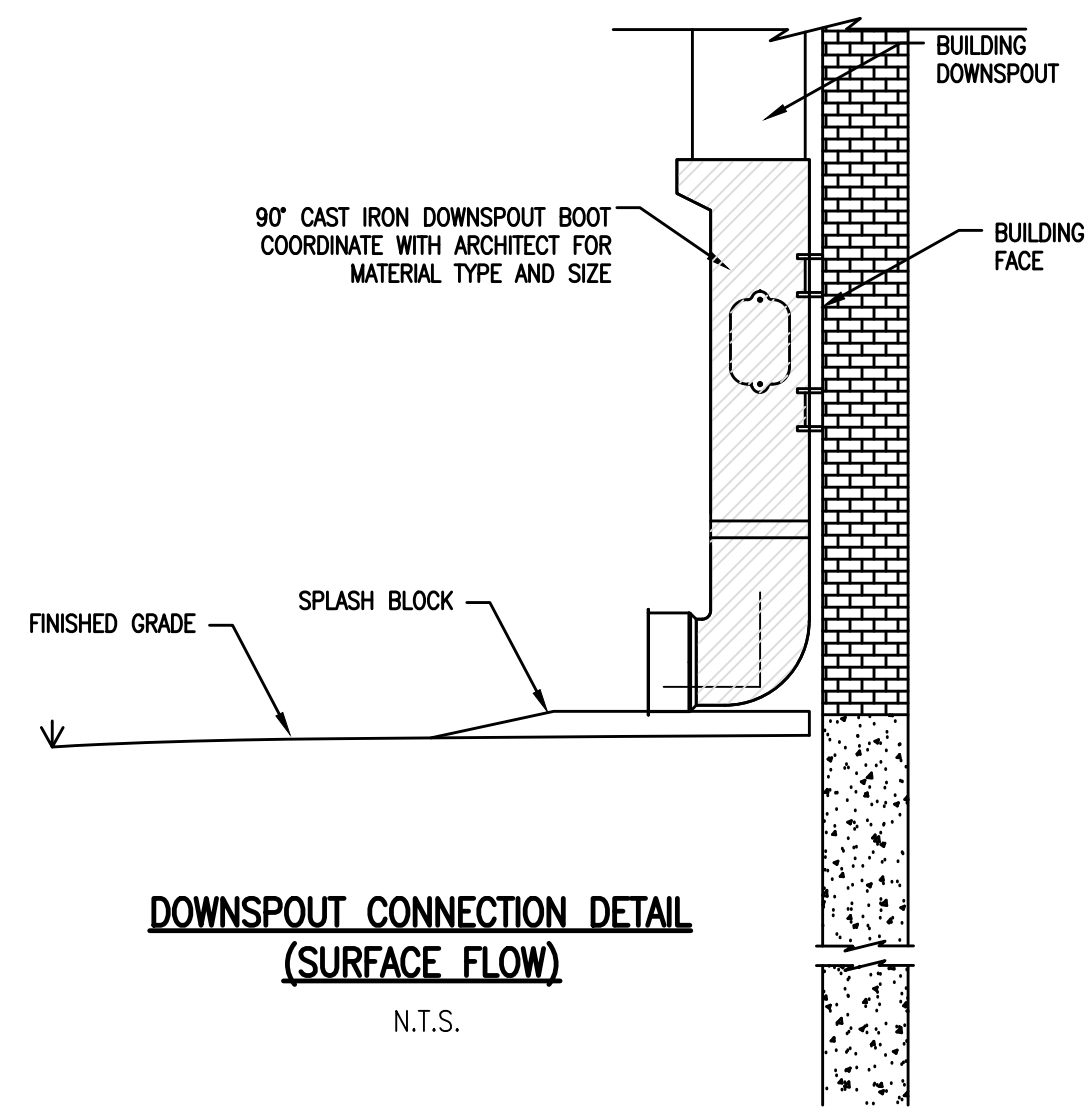
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DRAWN: MJT
DATE: 07.13.2026
REVISIONS

JOB NO. 26-064
SHEET NO:
C-4.2

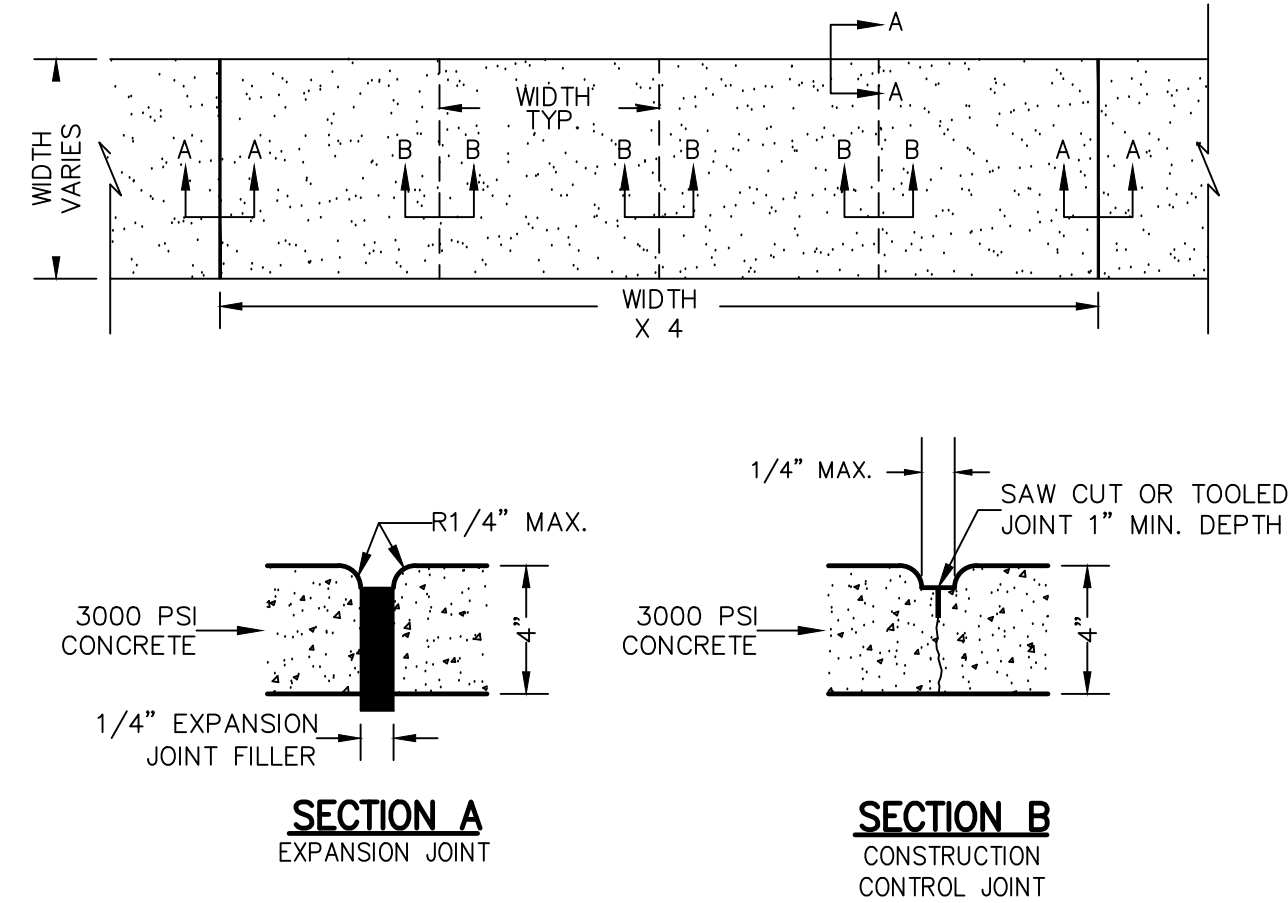




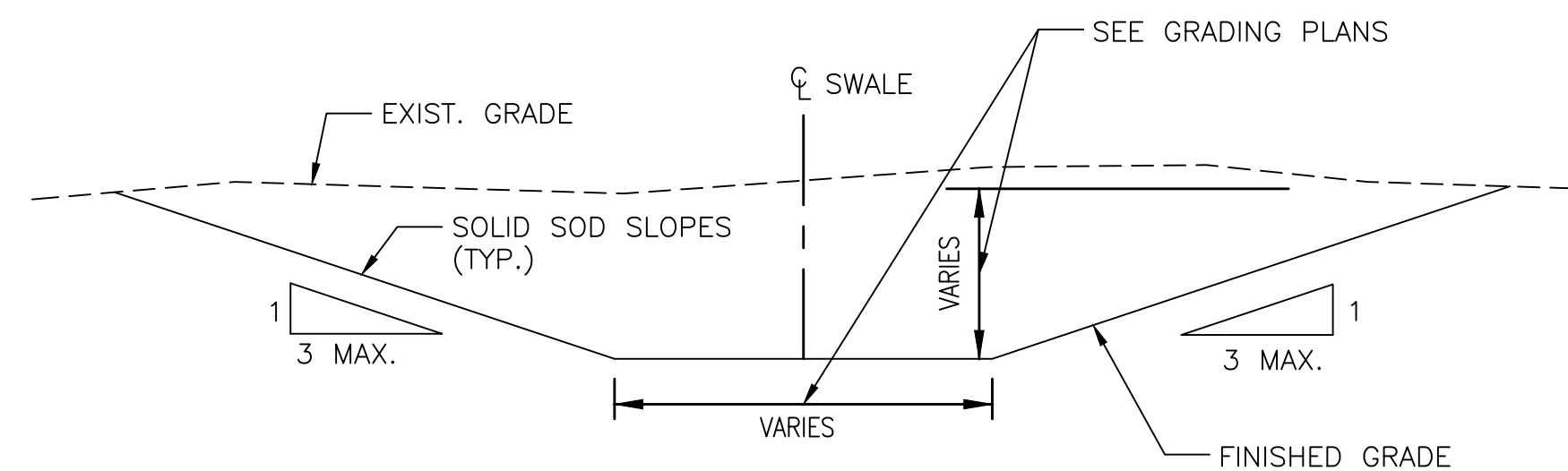
***24" CURB & GUTTER DETAIL
(TYPE "C" MODIFIED)**
N.T.S.



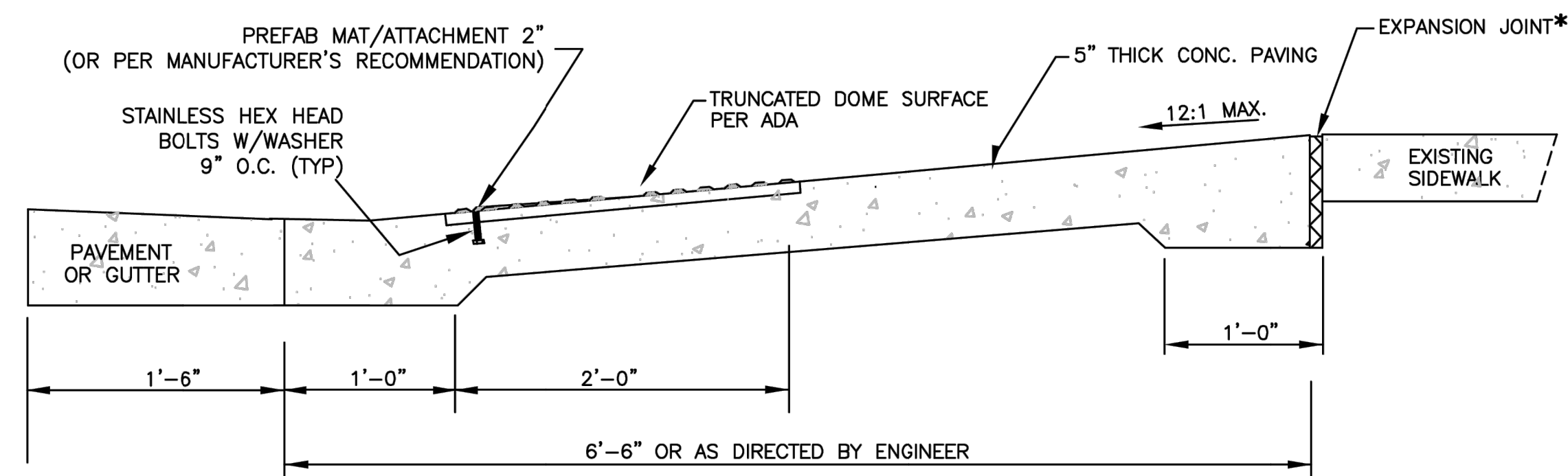
**DOWNSPOUT CONNECTION DETAIL
(SURFACE FLOW)**
N.T.S.



CONCRETE WALK DETAIL
N.T.S.



DRAINAGE SWALE DETAIL
N.T.S.

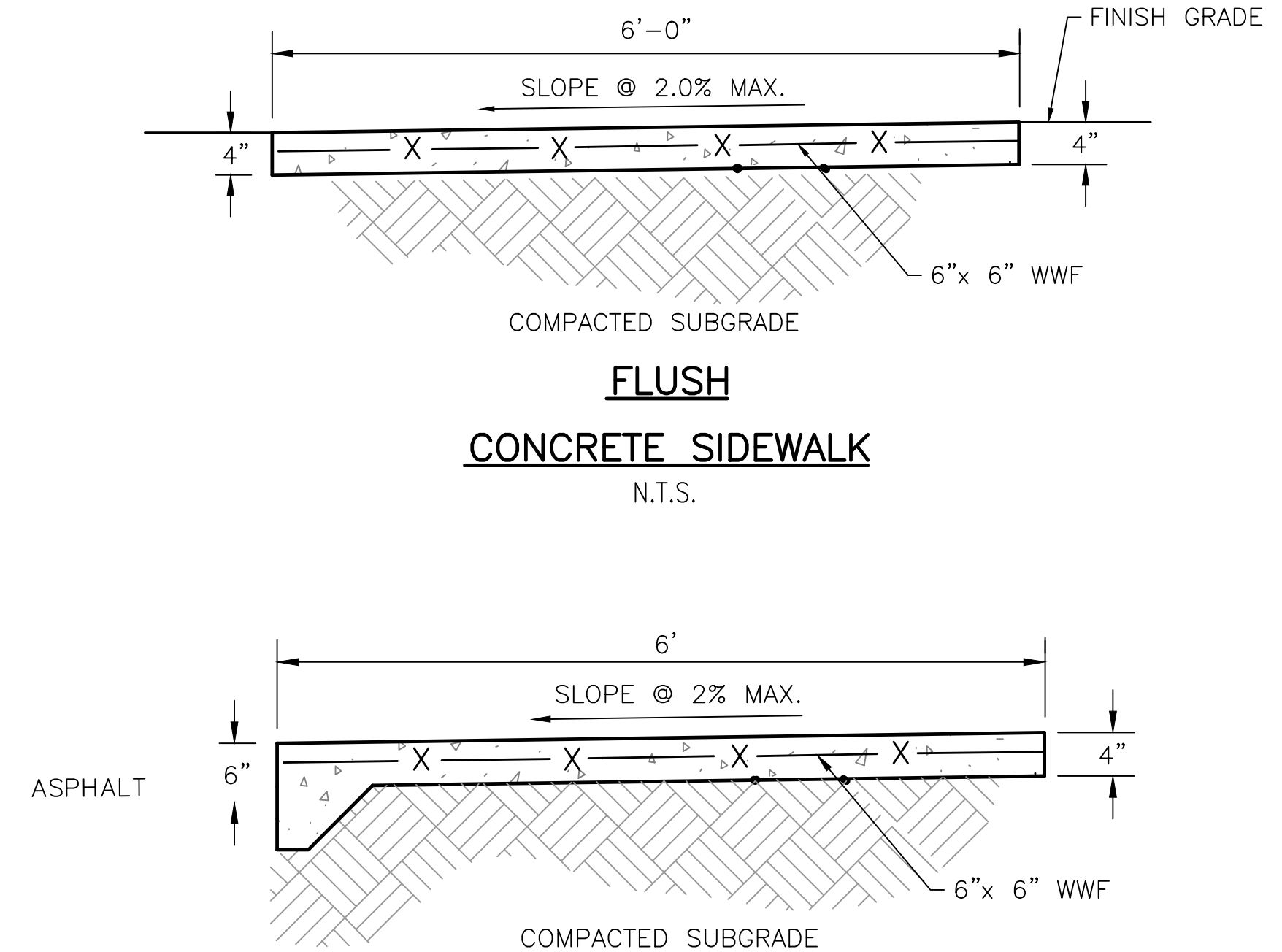


CONC ADA RAMP TYPE "A" DETAIL
N.T.S.

NOTE: SEE ARCH FOR HANDRAIL TYPE

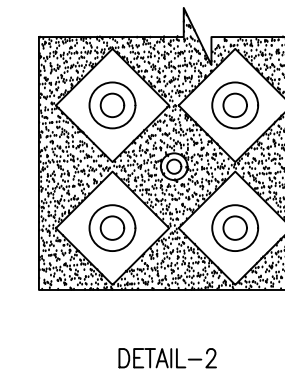
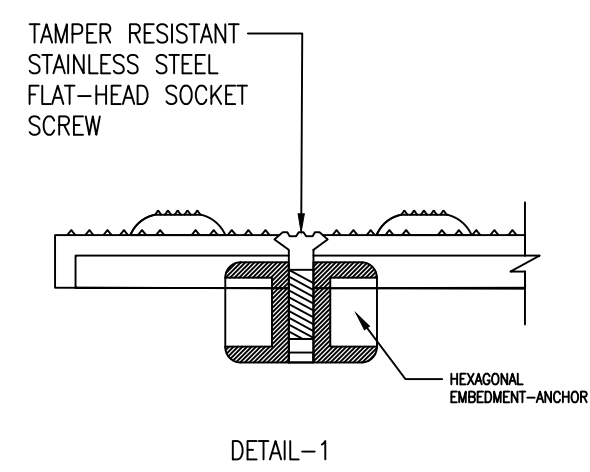
NOTES:

1. PROVIDE 6 FEET BETWEEN CONTROL JOINTS AND 24 FEET BETWEEN EXPANSION JOINTS.
2. ALL EXPANSION JOINTS SHALL BE 1/2" THICK, NEOPRENE MATERIAL.
3. EXPANSION MATERIAL TO BE USED AT ALL PC'S, PT'S AND STRUCTURES.

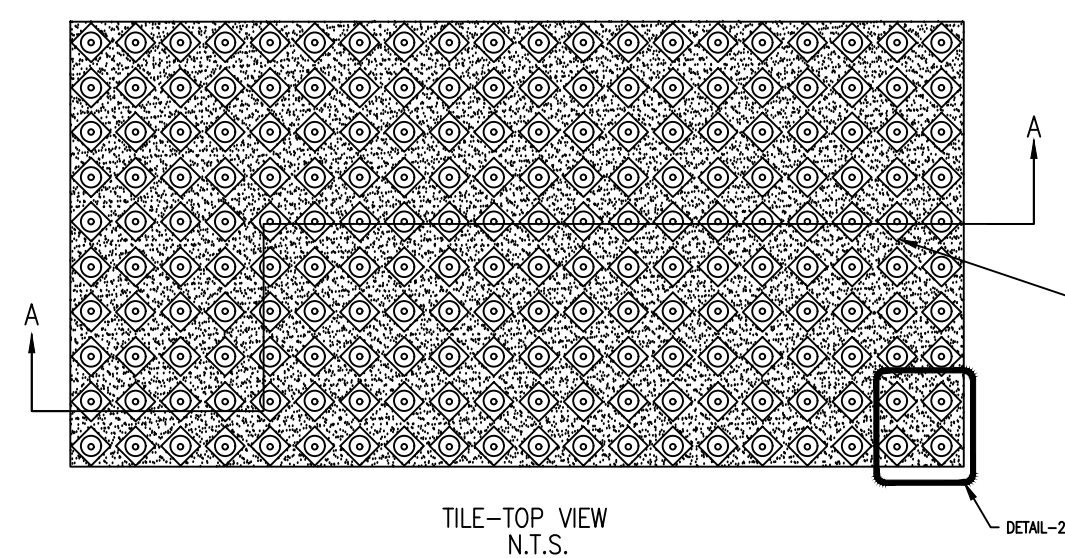
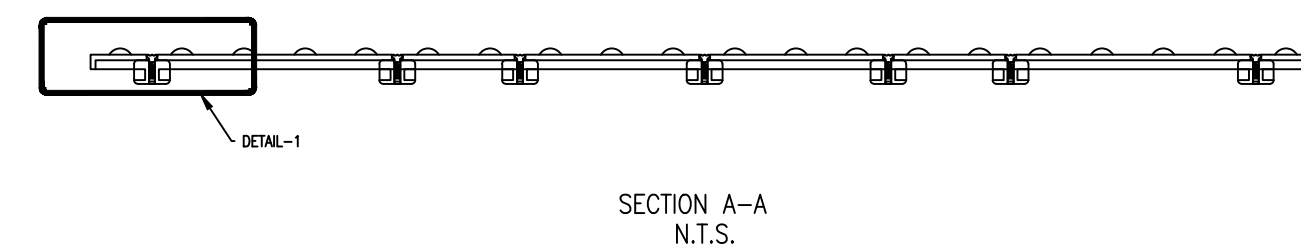
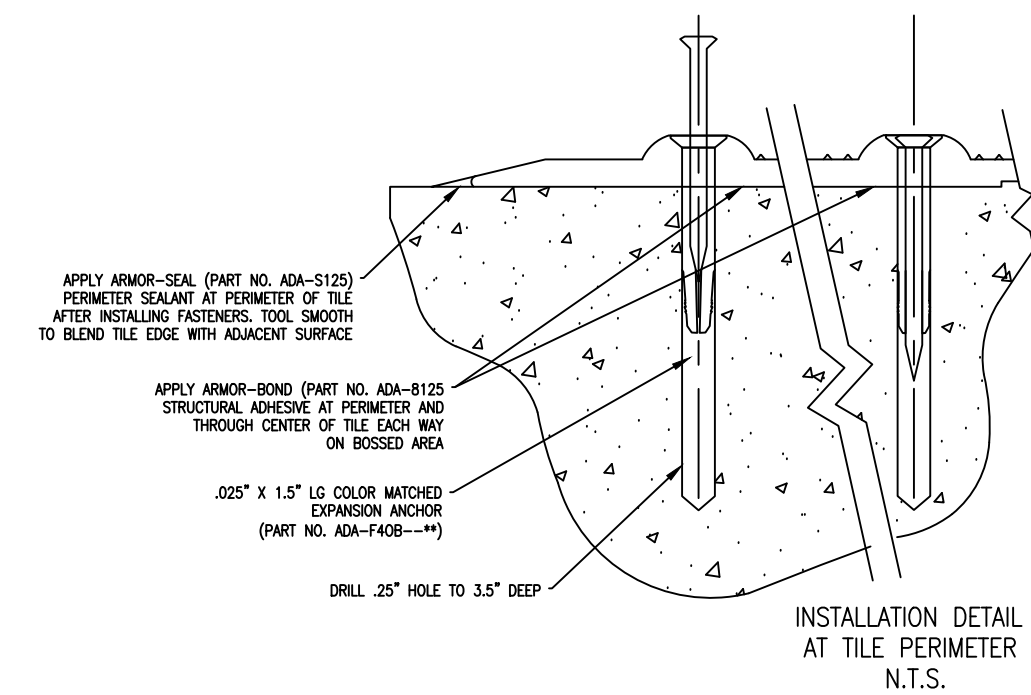
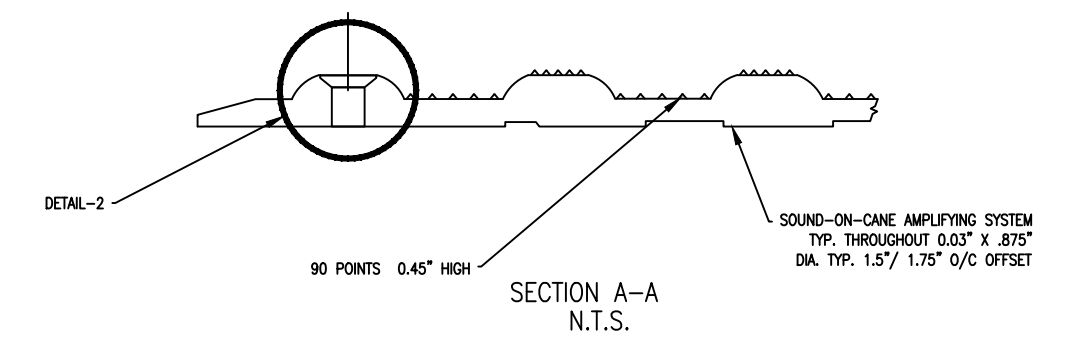
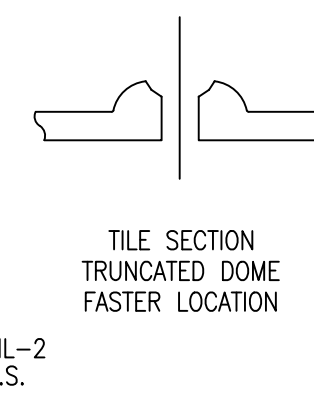
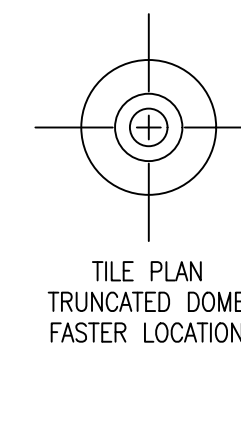


**FLUSH
CONCRETE SIDEWALK**
N.T.S.

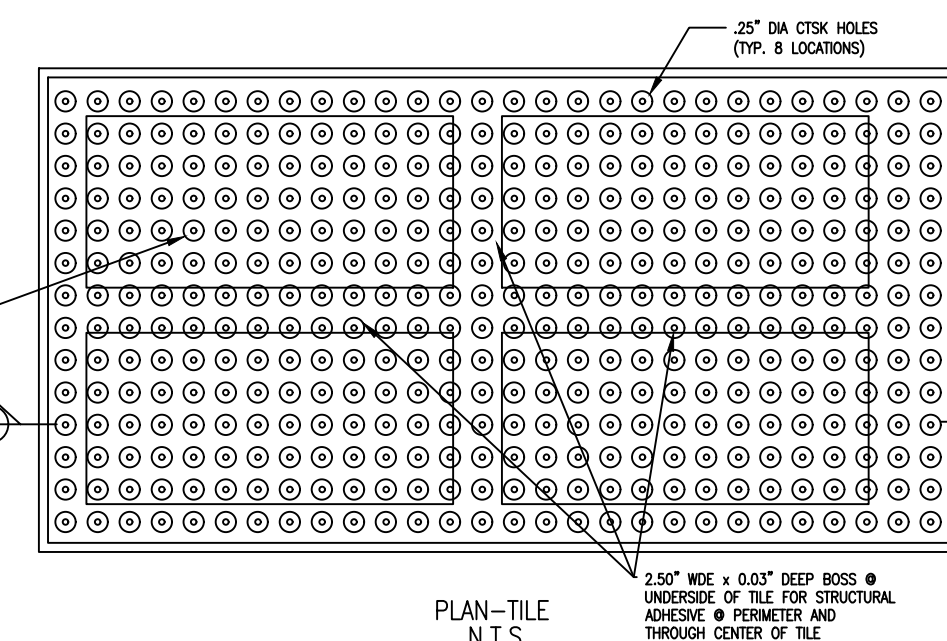
**RAISED
CONCRETE SIDEWALK**
N.T.S.



**"ARMOR TILE-REPLACEMENT"
FOR NEW CONSTRUCTION**
N.T.S.



TRUNCATED DOME DETAIL
N.T.S.

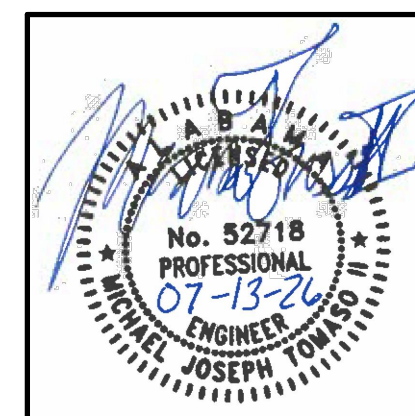


30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

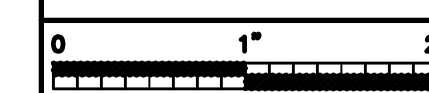


NEW BASEBALL & SOFTBALL DRESSING ROOMS FOR
SARALAND HIGH SCHOOL
FOR THE
SARALAND CITY SCHOOL DISTRICT
SARALAND, ALABAMA

EROSION CONTROL PLAN



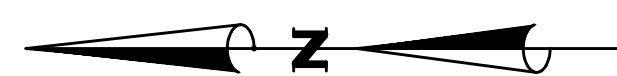
C-6.0



PRO DITCH CHECK WATTLE
PRO INLET PROTECTION
PRO CONC WASHOUT
PRO SILT FENCE
PRO SOLID SOD AREA

NOTES:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT FOR CONSTRUCTION SITES AND URBAN AREAS, VOLUME 1 AND 2, LATEST EDITION.
2. THE MEASURES SET FORTH IN THE EROSION CONTROL PLAN ARE INTENDED AS THE MINIMUM STANDARDS, ANY EROSION CONTROL MEASURE BEYOND THAT SPECIFIED IN THE PLAN, THAT IS REQUIRED TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAW, SHALL BE IMPLEMENTED.
3. IN THE EVENT THAT EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THE EROSION CONTROL PLAN PROVE NOT TO BE EFFECTIVE, ALTERNATE MEASURES FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ALL ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE REVIEWED AND APPROVED BY LOCAL AND STATE COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.
4. THE CONTRACTOR SHALL INSTALL TEMPORARY BMPs AT LEAST EVERY SEVEN (7) DAYS AND REPAIR OR REPLACE MY DAMAGED OR INEFFECTIVE DEVICES.
5. THE CONTRACTOR SHALL INSPECT INSTALLED BMPs WITHIN 24 HOURS AFTER PRECIPITATION EVENTS OF 0.50 INCHES OR GREATER AND REPAIR OR REPLACE ANY DAMAGED OR INEFFECTIVE DEVICES.
6. DISTURBED AREAS SHALL BE GRADED, SODED, OR VEGETATED (SEEDED AND MULCHED) WITHIN 13 DAYS OF ANY CONSTRUCTION ACTIVITY FOR AN EFFECTIVE BMP.
7. ALL AREAS IDENTIFIED TO HAVE SOIL SODDING, SHALL BE VEGETATED WITH PERMANENT SEEDING (SEASONAL MIX) IN ACCORDANCE WITH SECTION 207-2-1-1-1 USE FOR EROSION IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS HIGHWAY CONSTRUCTION (CURRENT EDITION).
8. SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.
9. WHEN CONSTRUCTION BORDERS A DRAINAGE COURSE, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPILT DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREIN IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
10. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND REPAIR THESE AREAS UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.
11. A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
12. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT POUNDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
13. ALL SLOPES SHALL BE STABILIZED AND VEGETATED AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKET (ECB) WHEN GRASSING SLOPES ARE INTERMITTENT.
14. ALL CONSTRUCTION WASTE AND DEBRIS, SILT FENCES, HAY BALES, AND INLET PROTECTION AND OTHER TEMPORARY BMPs SHALL BE REMOVED FROM THE SITE UPON CONSTRUCTION COMPLETION. LAND PROJECTS WITHIN 60 DAYS SHALL BE REFINISHED IF INACTIVE FOR LESS THAN 60 DAYS. IF INACTIVE FOR MORE THAN 60 DAYS, DISTURBED AREAS SHALL BE SEEDED & MULCHED.



1 inch = 10 feet

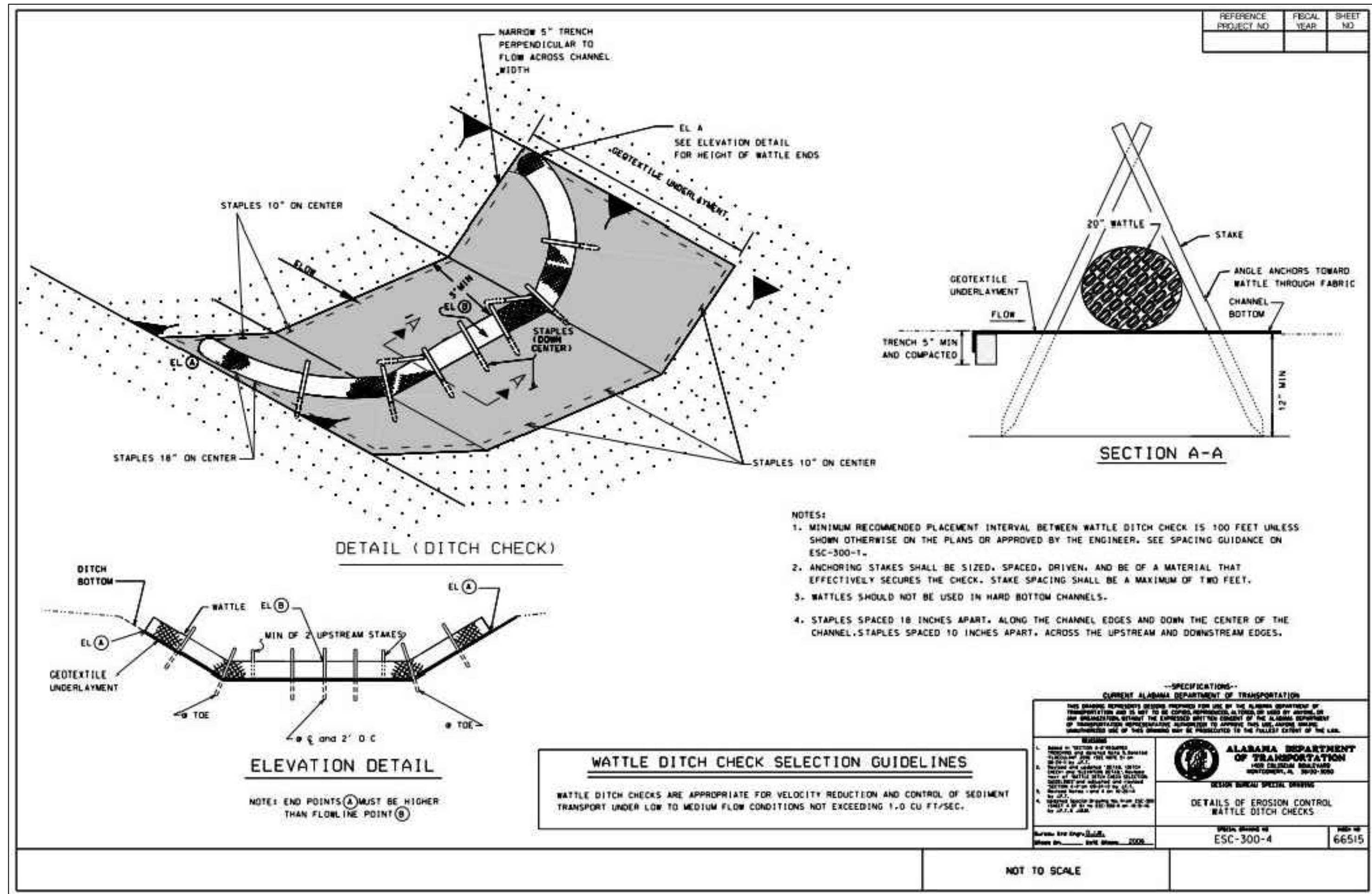
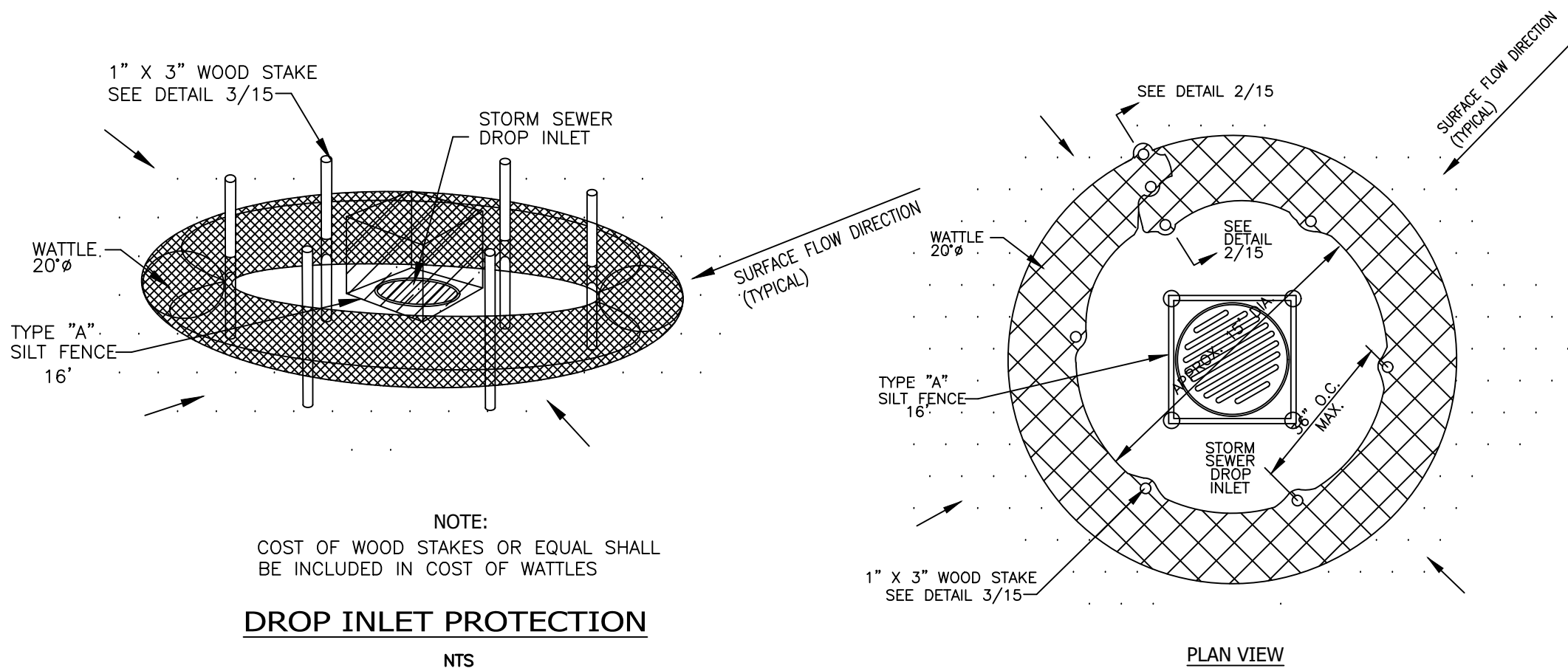
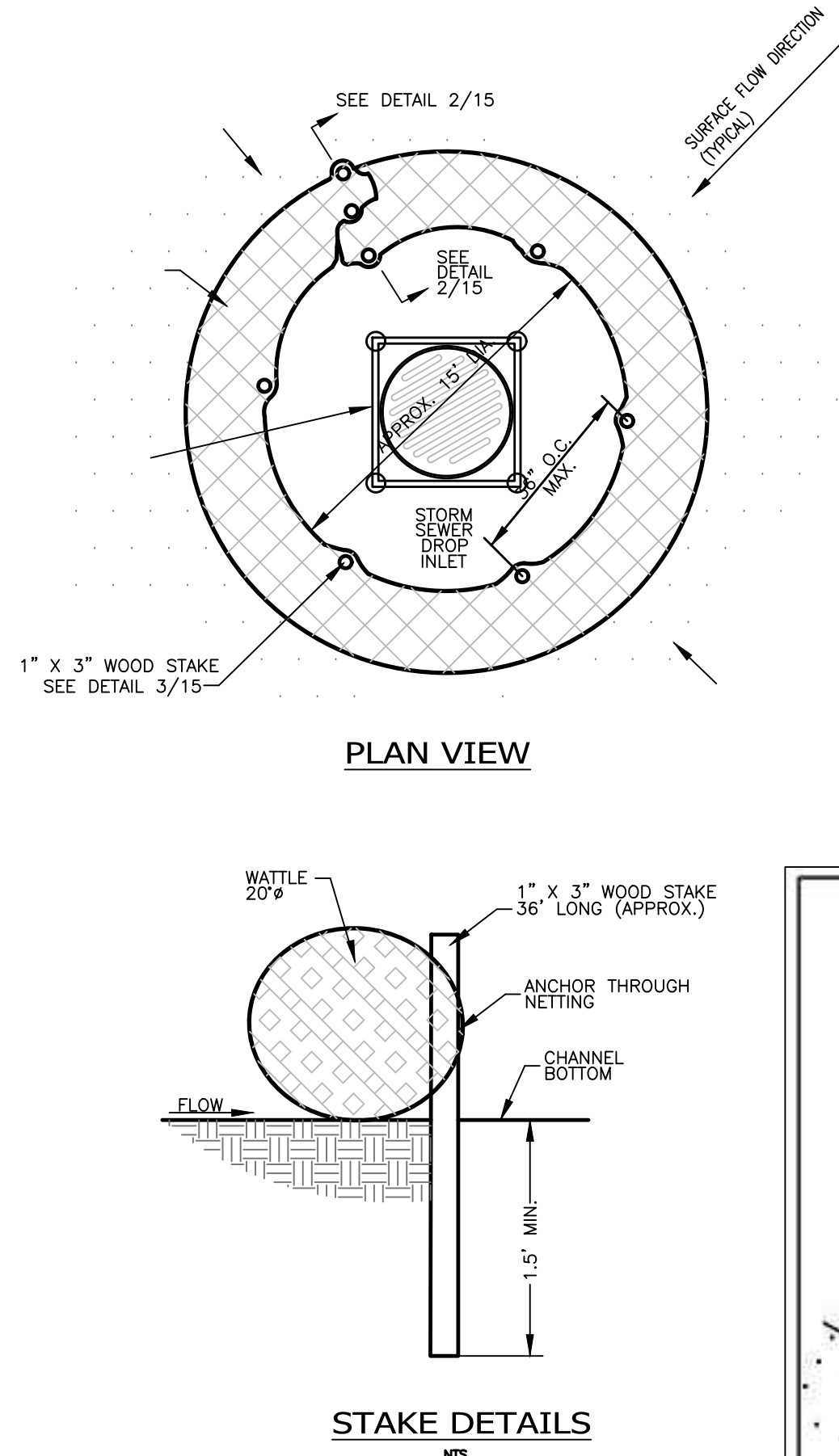
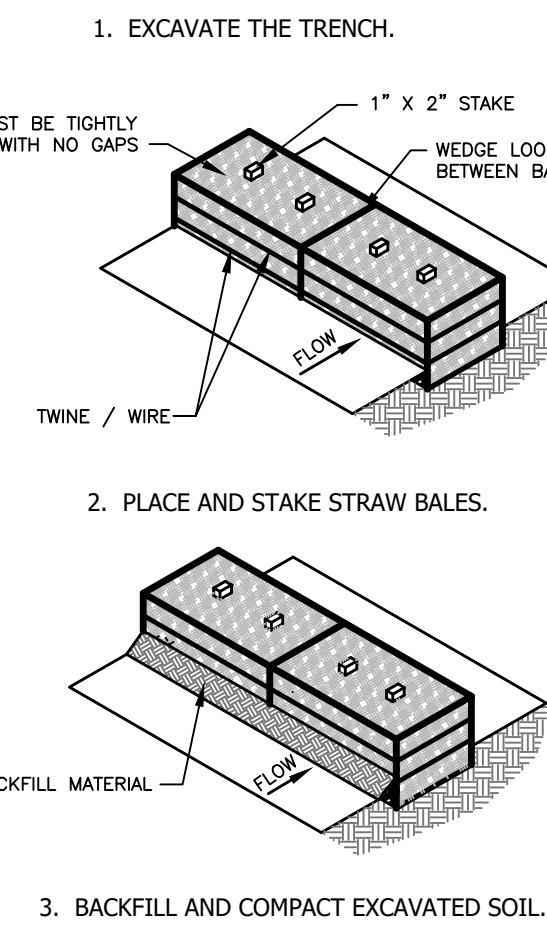
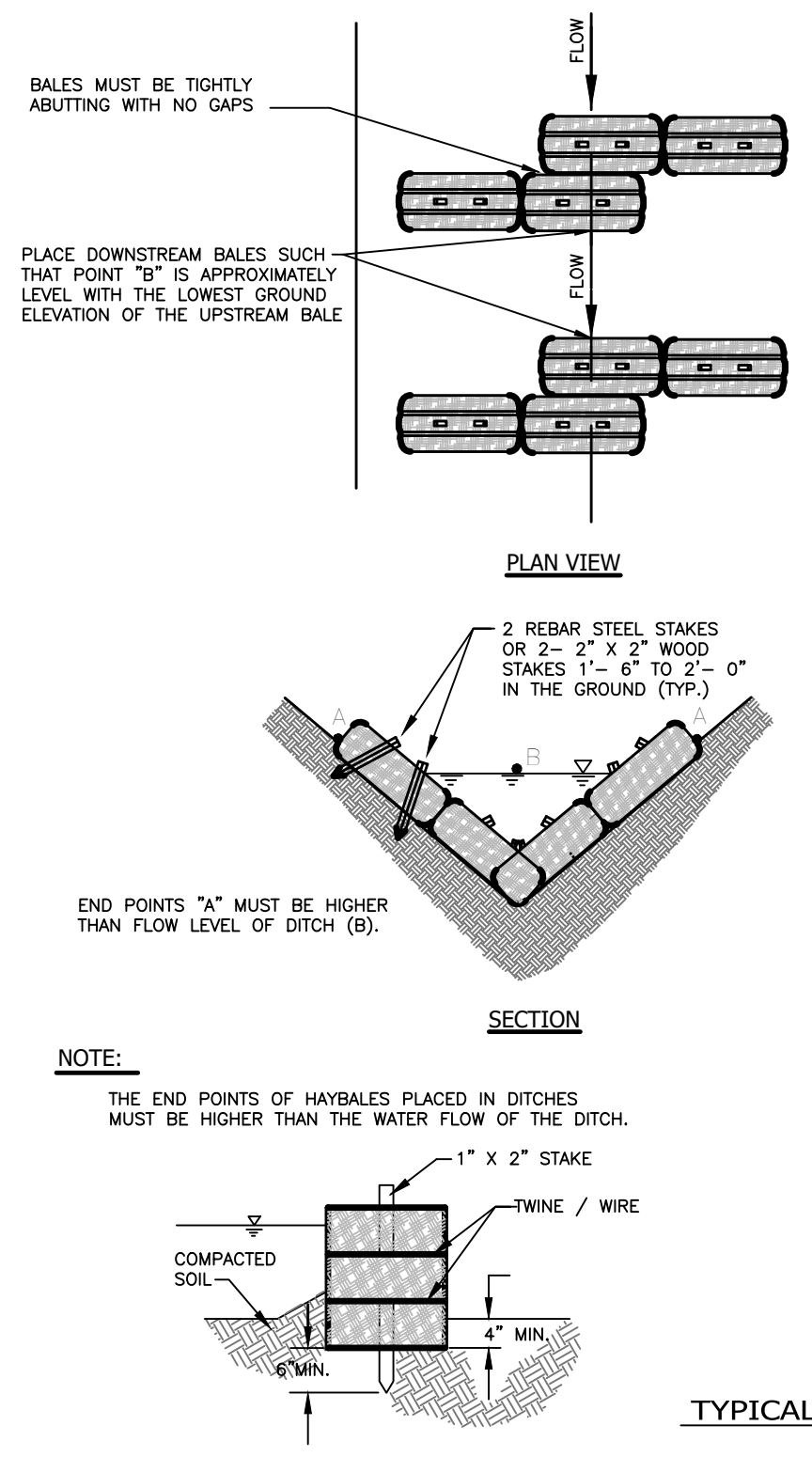
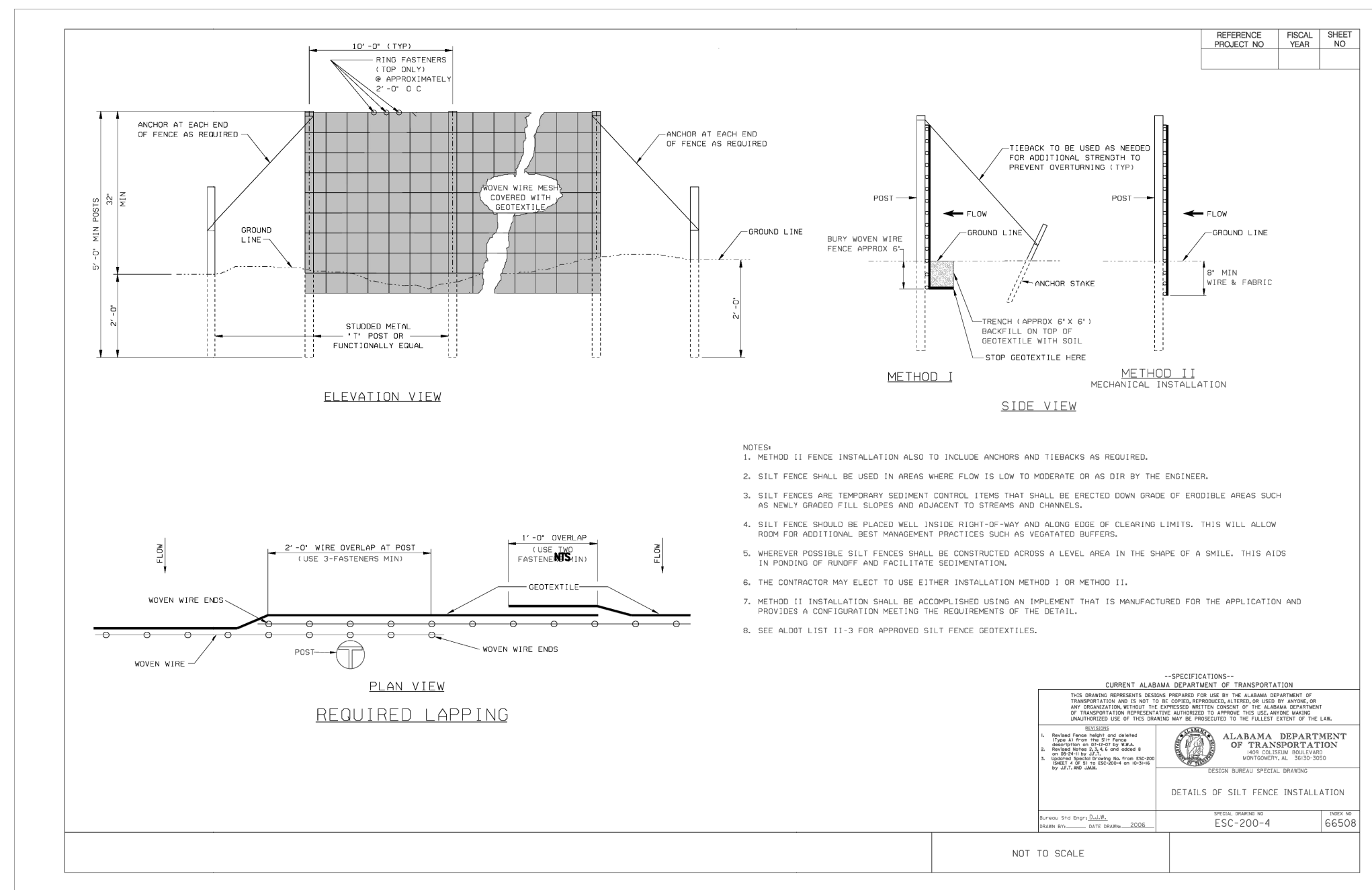
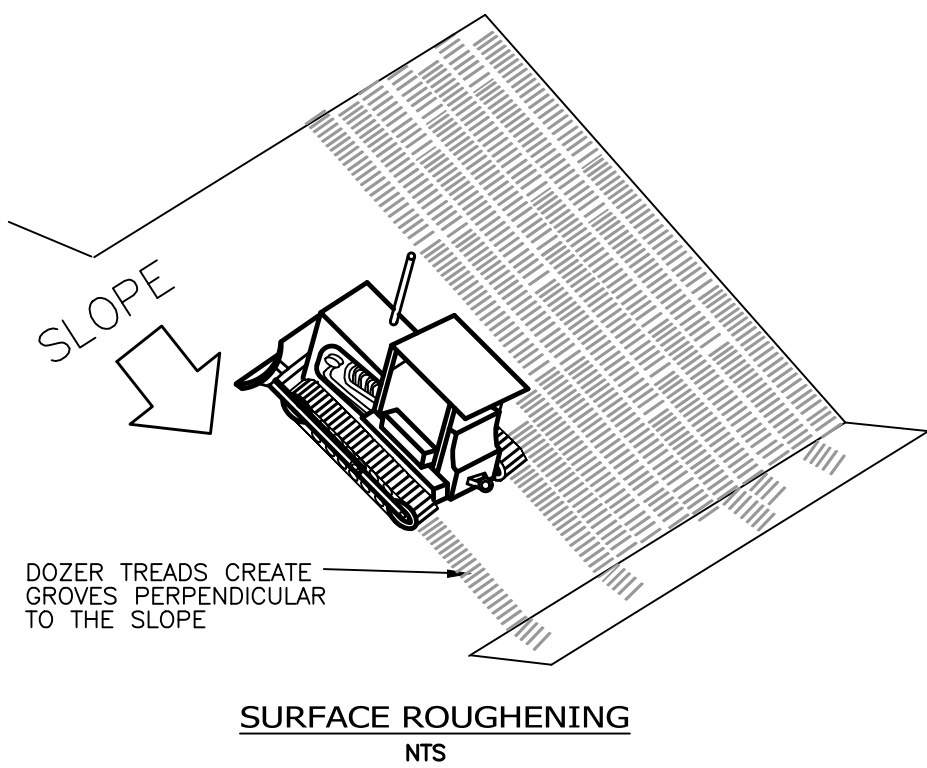
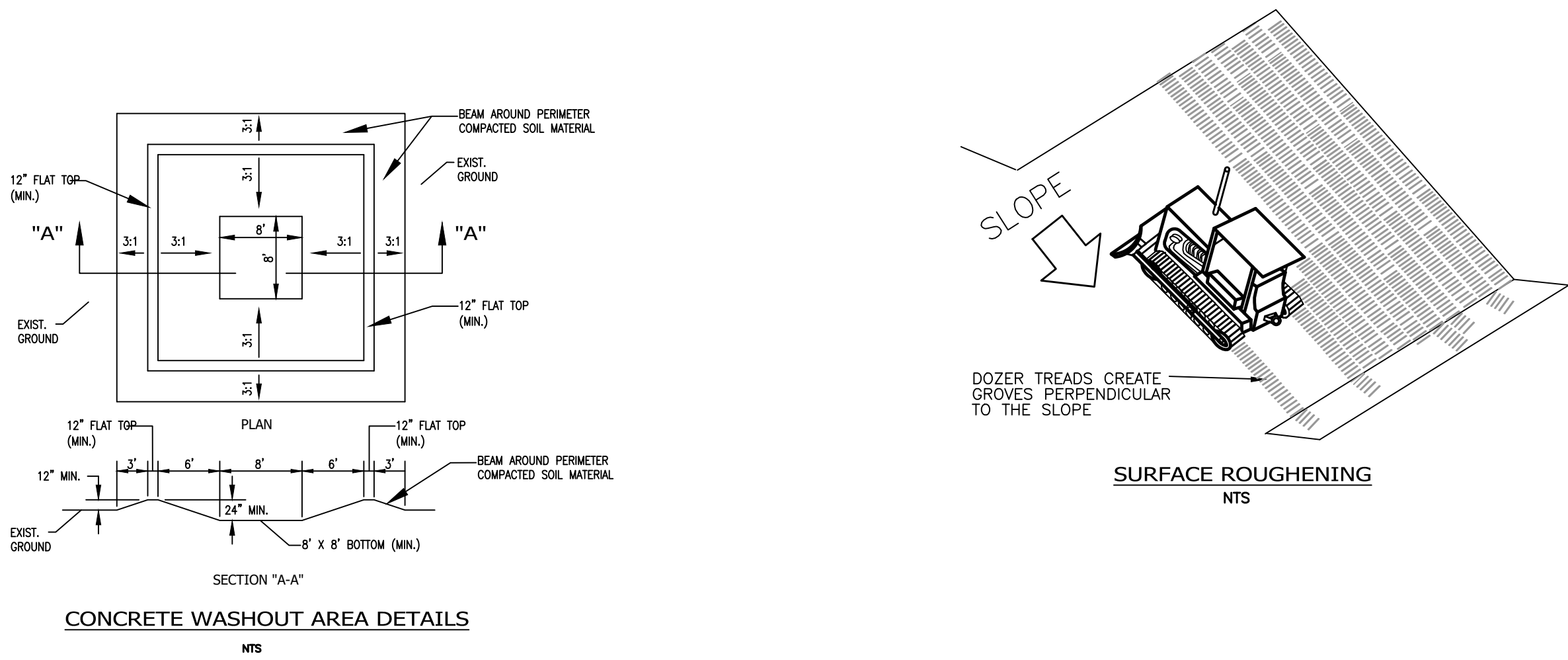


ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT

30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527

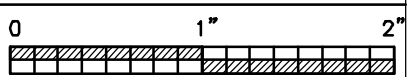
Phone: (251) 544-7900

S:\1-Clients\26-049-HS Baseball-Softball Plaza Area Saraland City Schools\CIVIL ENGINEERING\PRODUCTION DWGS\SARALAND ATHLETICS GRAD-DRAIN-EC.dwg
Wednesday, July 15, 2026 11:19:48 AM

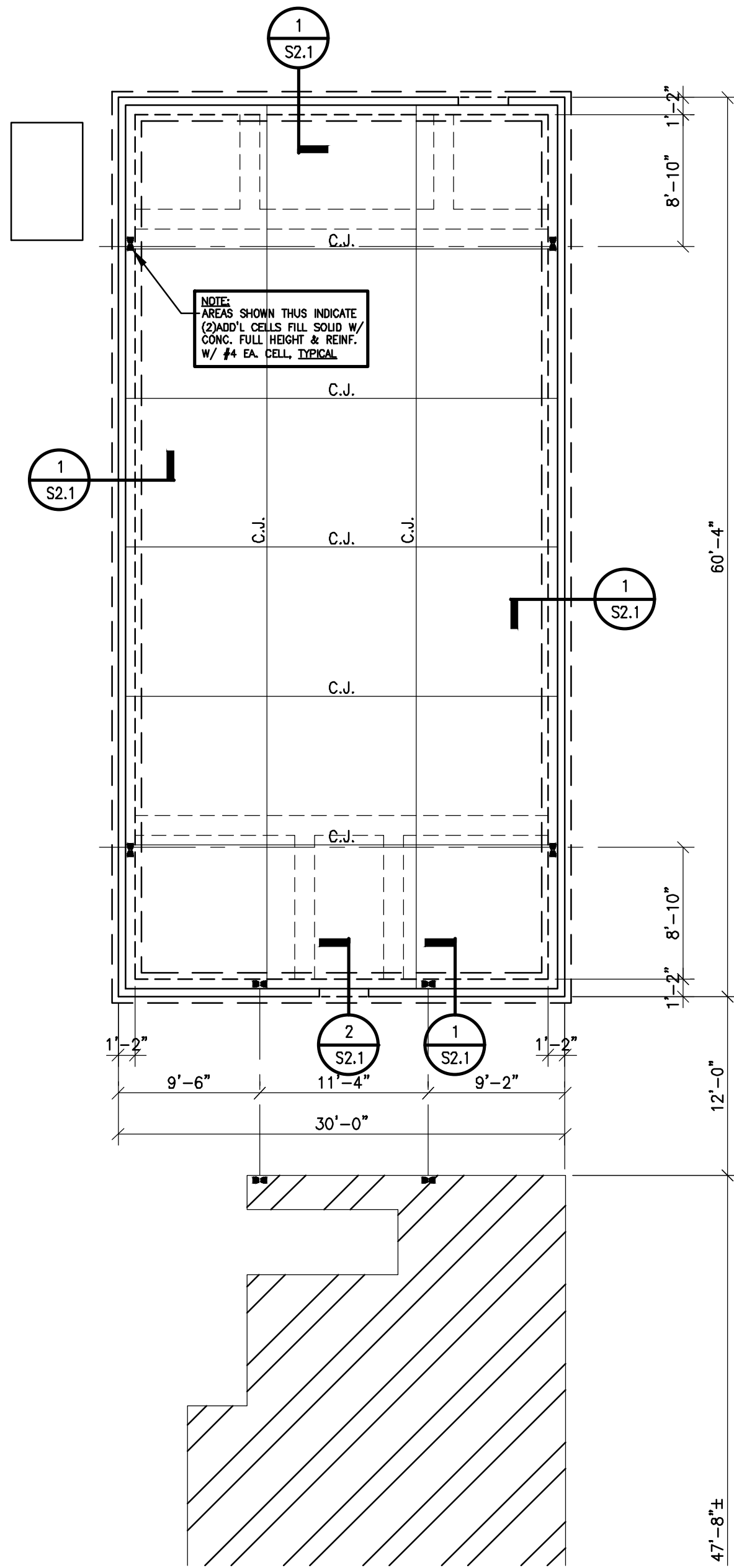




SHEET TITLE:
GENERAL NOTES,
SCHEDULES, AND
TYPICAL DETAILS



ALL SPECIAL INSPECTIONS REQUIRED BY CHAPTER 17 OF IBC
SHALL BE PERFORMED BY A DESIGNATED TESTING AGENCY OF
AGENCIES RESPONSIBLE FOR SPECIAL INSPECTIONS.

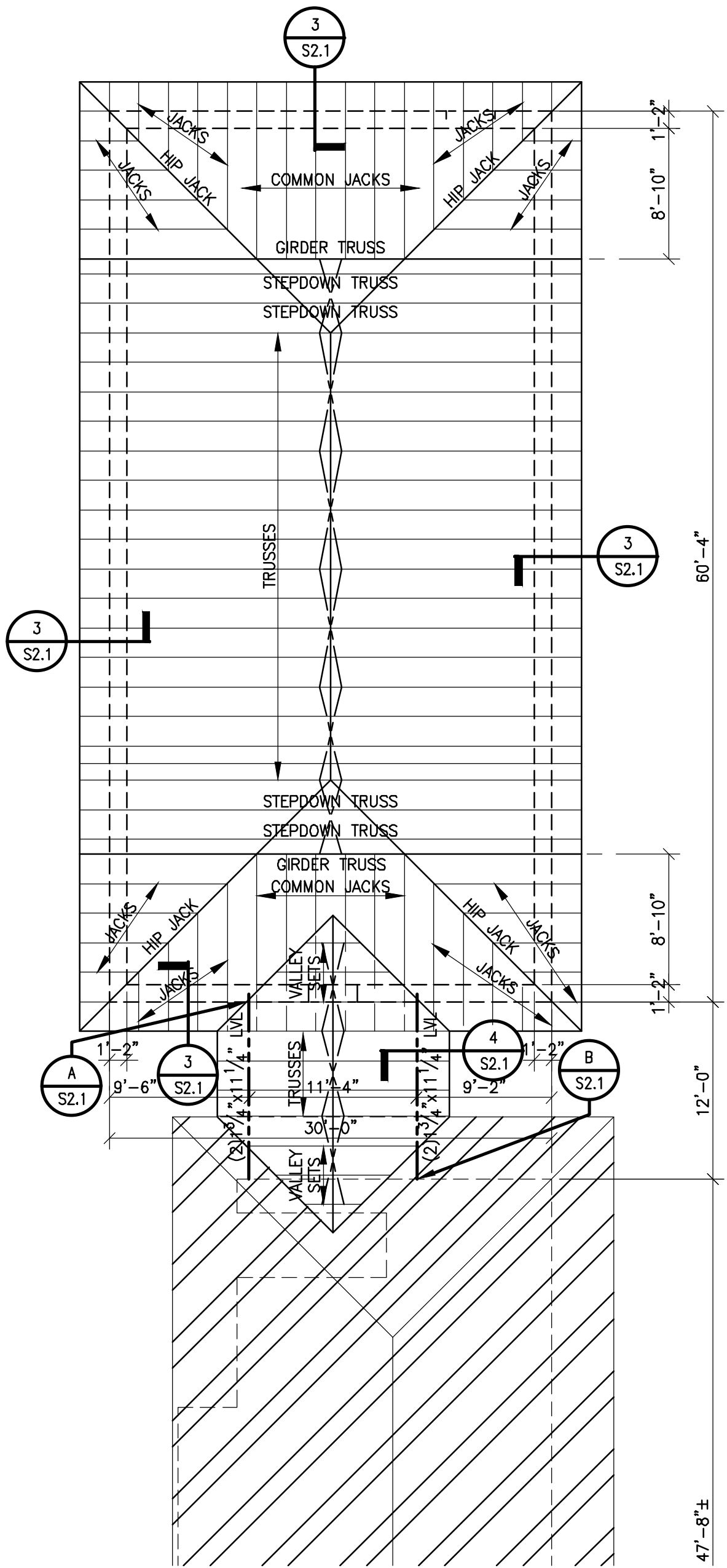


SOFTBALL DRESSING ROOM
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FLOOR CONSTRUCTION
4" CONCRETE SLAB W/ 6x6-W1.4x
W1.4 W.W.F. OVER VAPOR BARRIER
OVER 4" POROUS FILL.
FINISH FL. EL. = 0'-0" (ASSUMED)

NOTE:
TOP OF ALL FOOTINGS SHALL BE
(-2'-0") BELOW FINISH FLOOR.
UNLESS NOTED OTHERWISE ON PLAN.

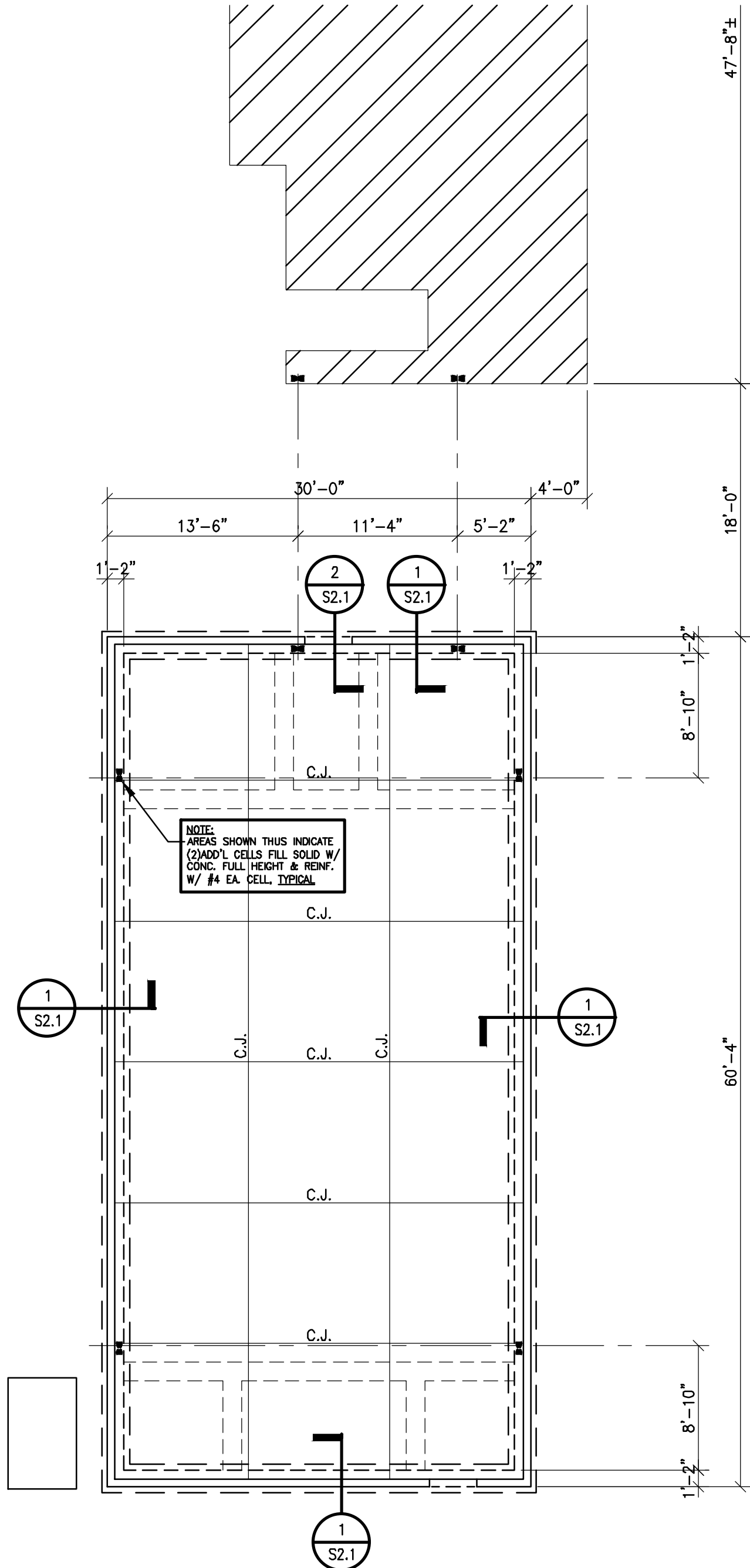
NOTE:
PROVIDE A TYPICAL THICKENED SLAB
UNDER ALL C.M.U. PARTITIONS NOT
BEARING ON A FOOTING. SEE TYPICAL
DETAIL ON SHEET S0.1



SOFTBALL DRESSING ROOM
ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

ROOF CONSTRUCTION
5/8" THICK APA RATED PLYWOOD DECK,
EXPOSURE 1, WITH PANEL IDENTIFICATION
INDEX OF 40/20 OVER PRE-ENGINEERED
PREFABRICATED WOOD TRUSSES @
24"O.C. MAXIMUM.

NOTE:
PROVIDE PLYCLIPS @ MID SPAN BETWEEN
TRUSSES & RAFTERS AT ALL JOINTS IN
ADJACENT ROOF DECK SHEETS.

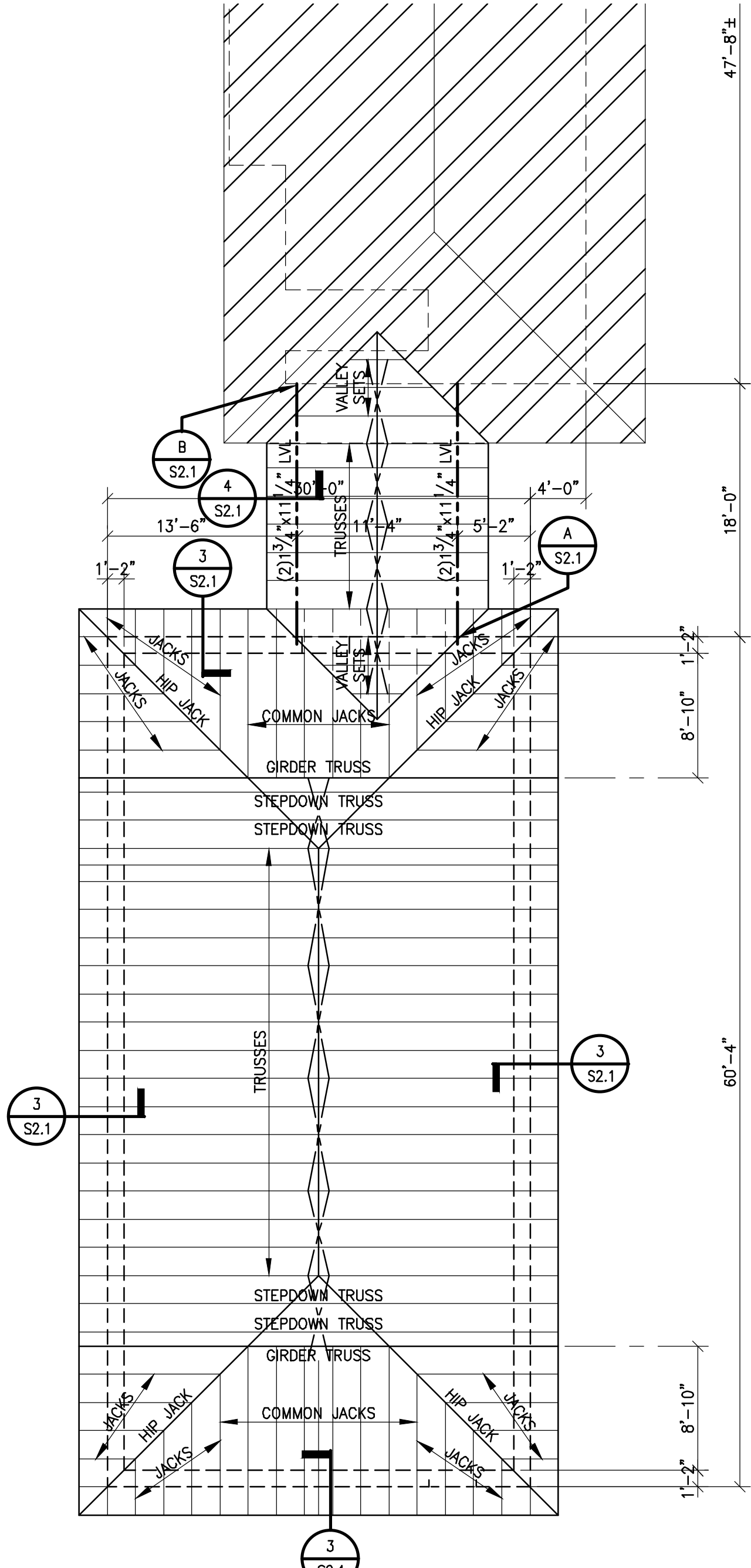


BASEBALL DRESSING ROOM
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FLOOR CONSTRUCTION
4" CONCRETE SLAB W/ 6x6-W1.4x
W1.4 W.W.F. OVER VAPOR BARRIER
OVER 4" POROUS FILL.
FINISH FL. EL. = 0'-0" (ASSUMED)

NOTE:
TOP OF ALL FOOTINGS SHALL BE
(-2'-0") BELOW FINISH FLOOR.
UNLESS NOTED OTHERWISE ON PLAN.

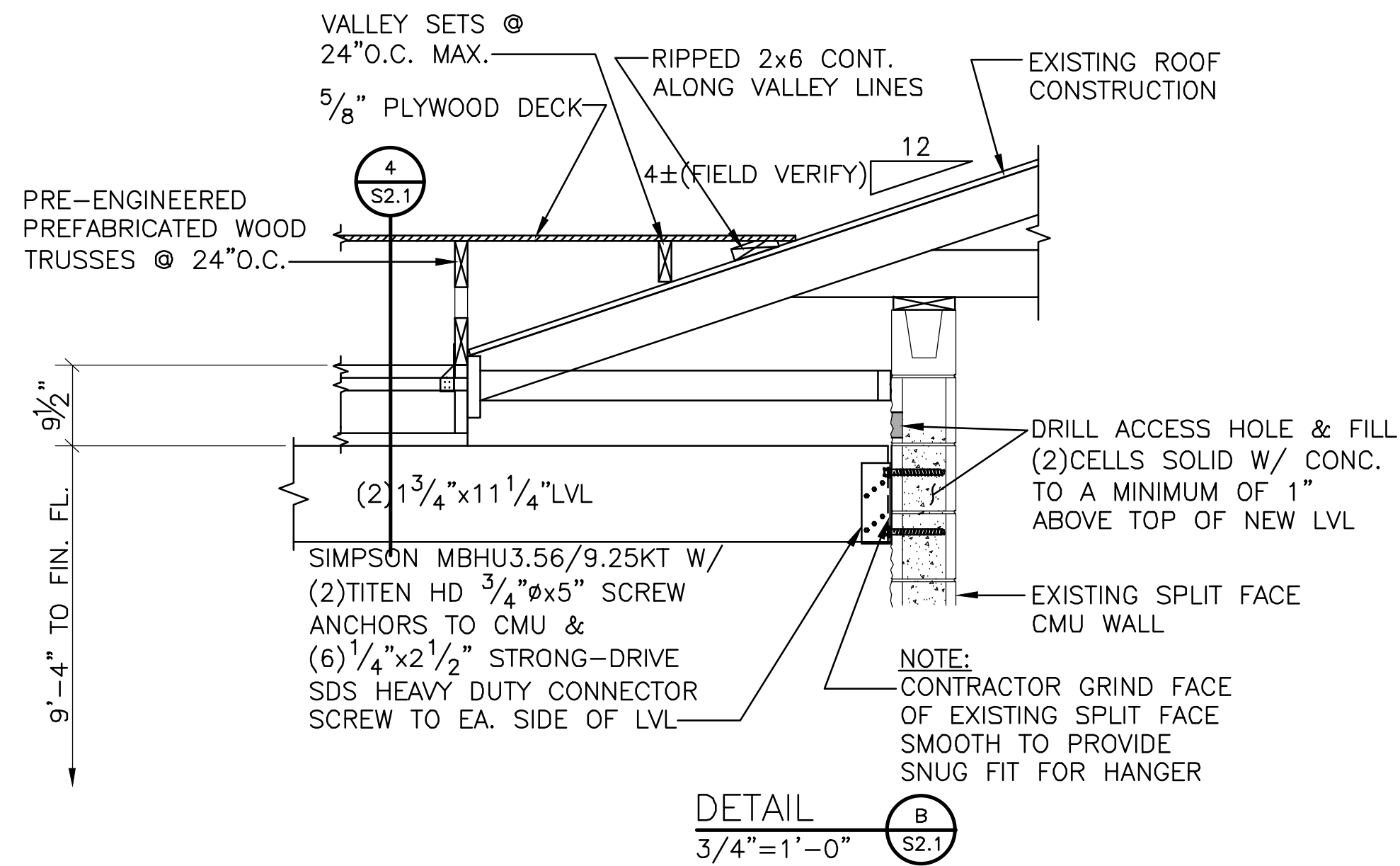
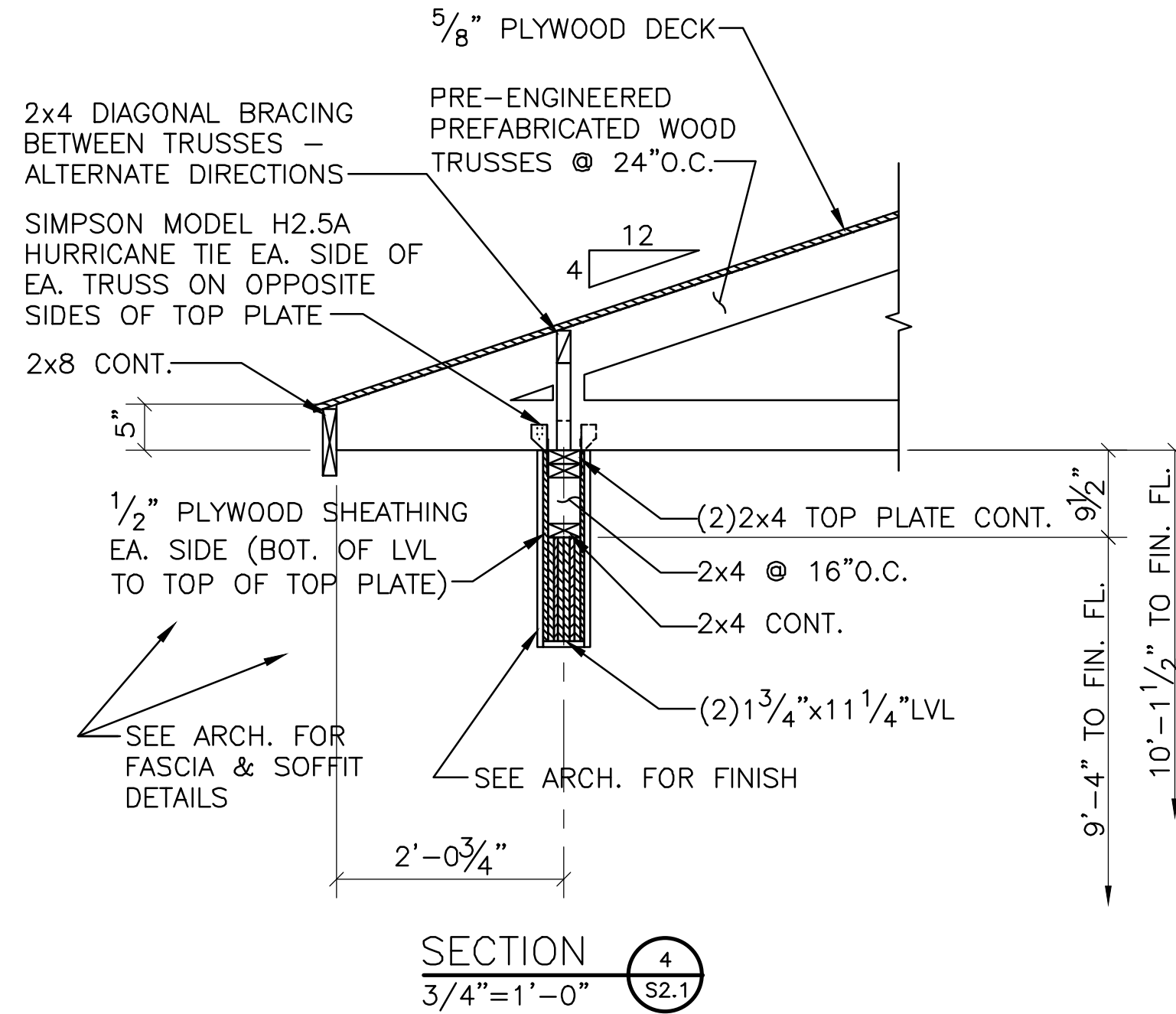
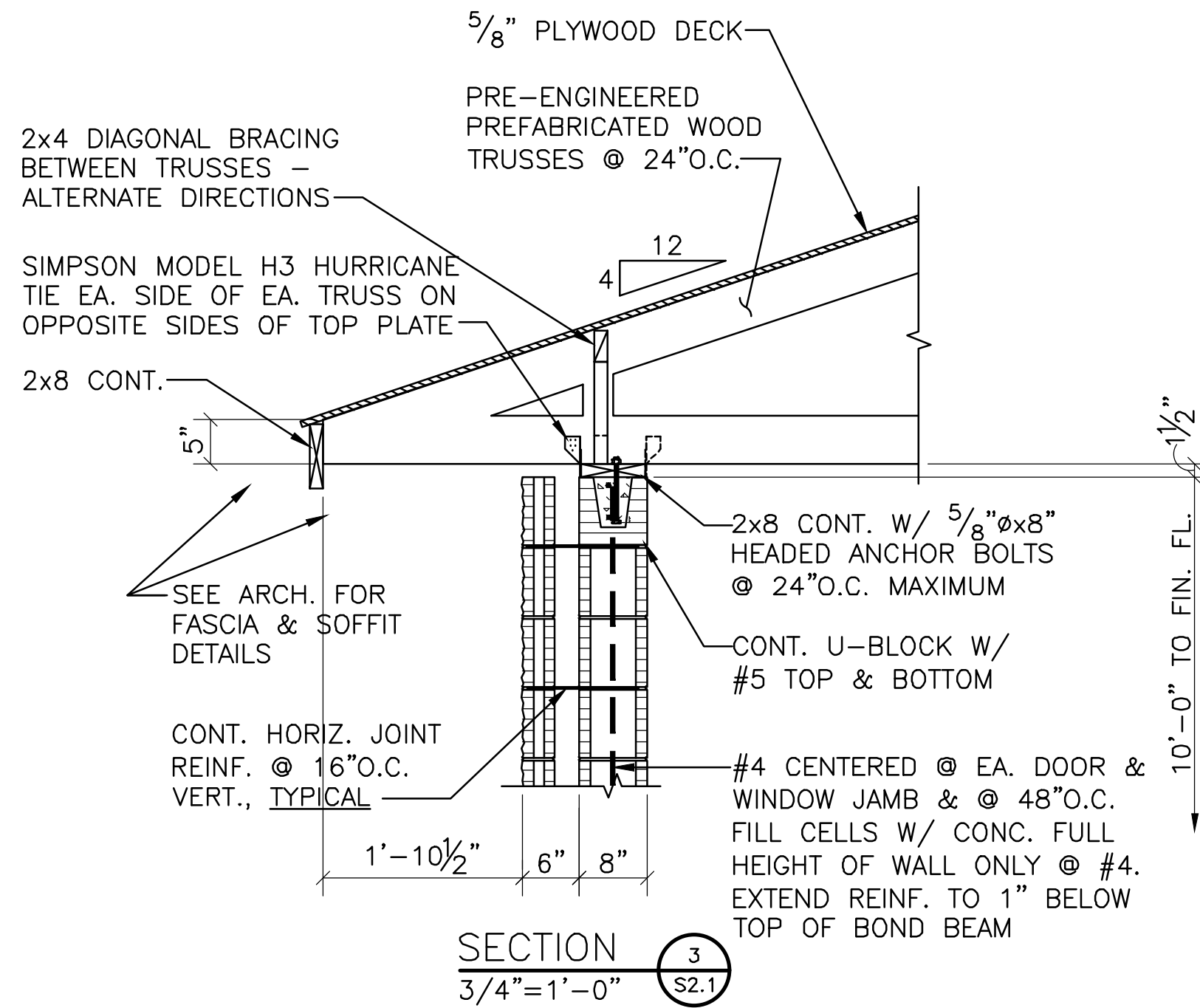
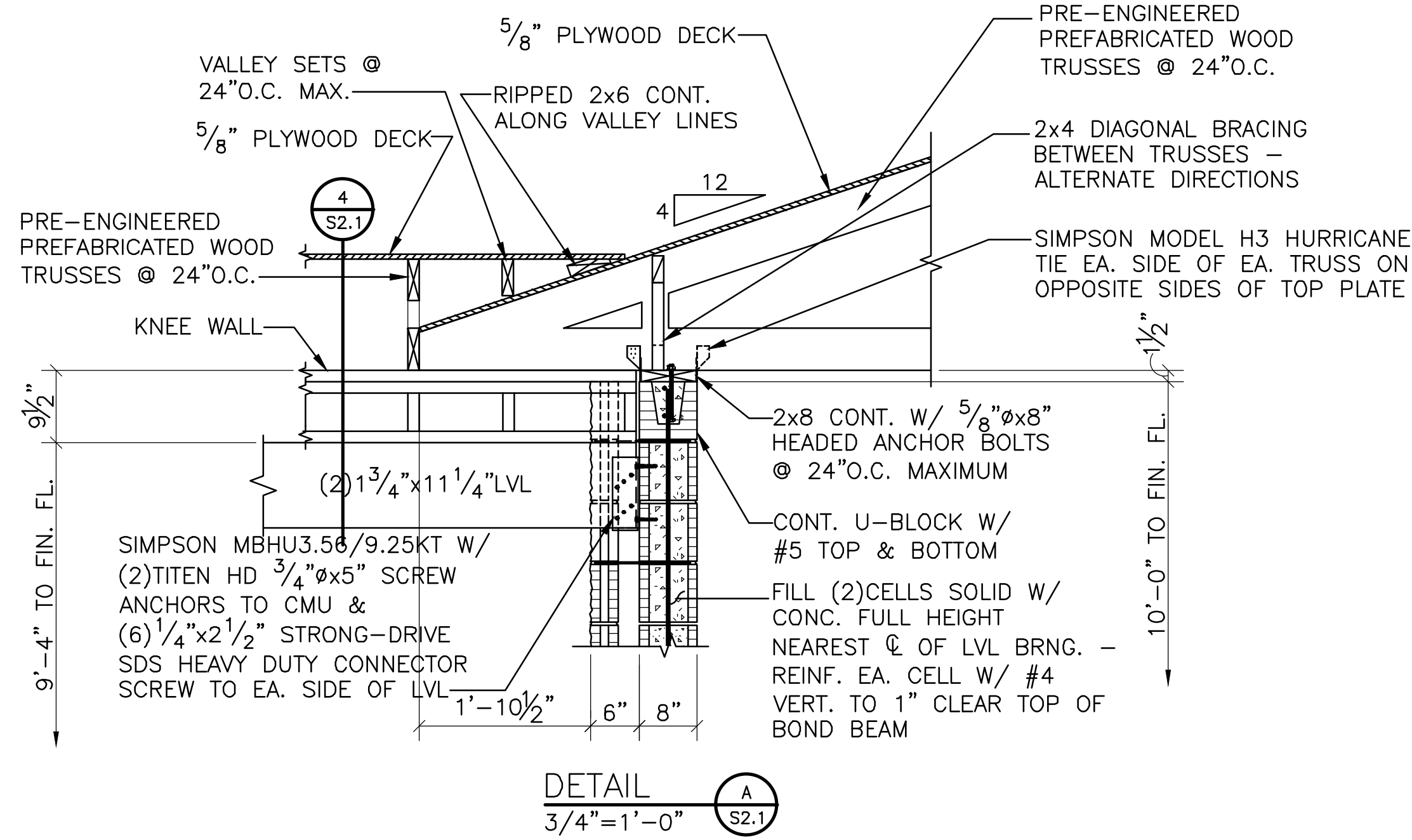
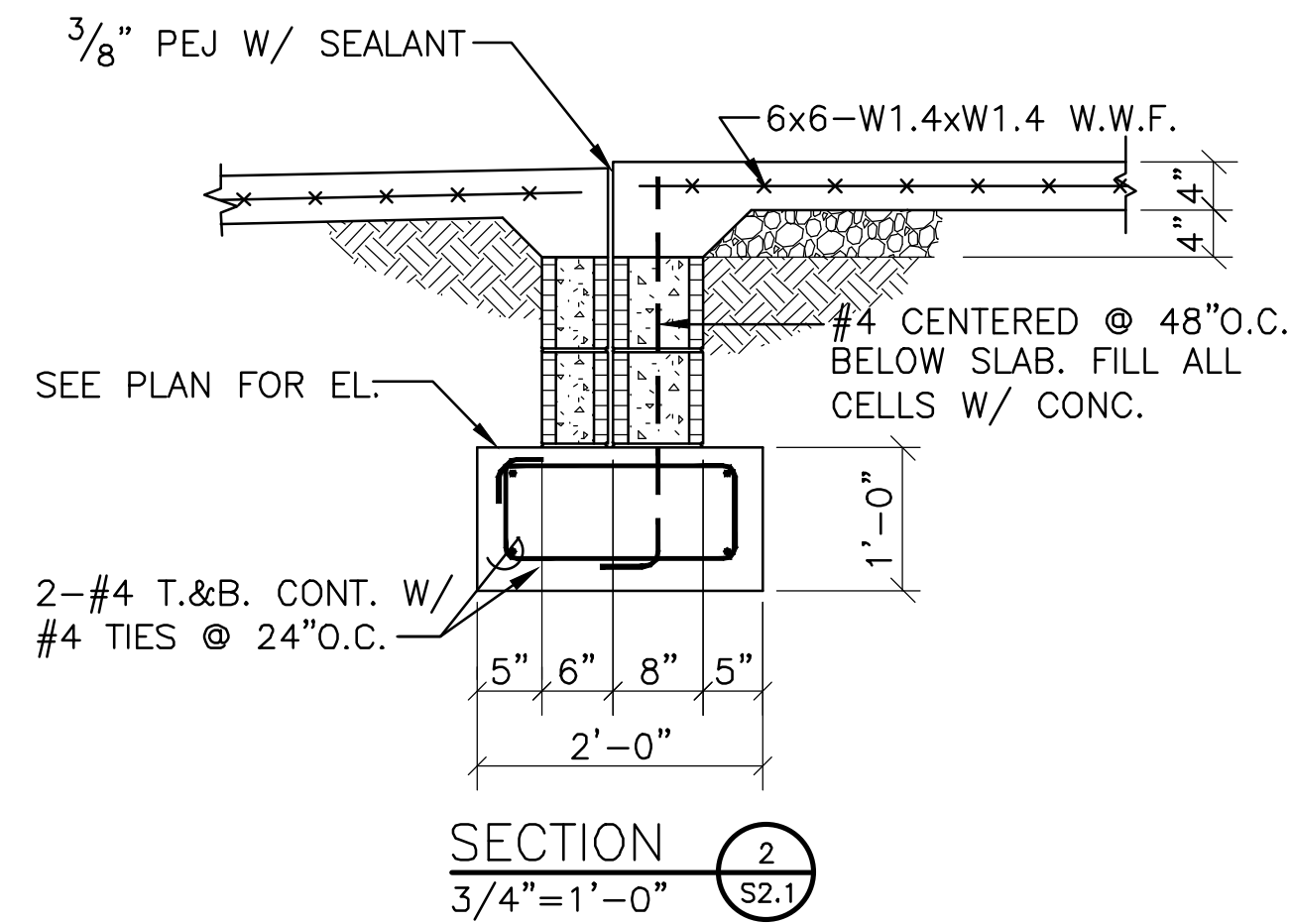
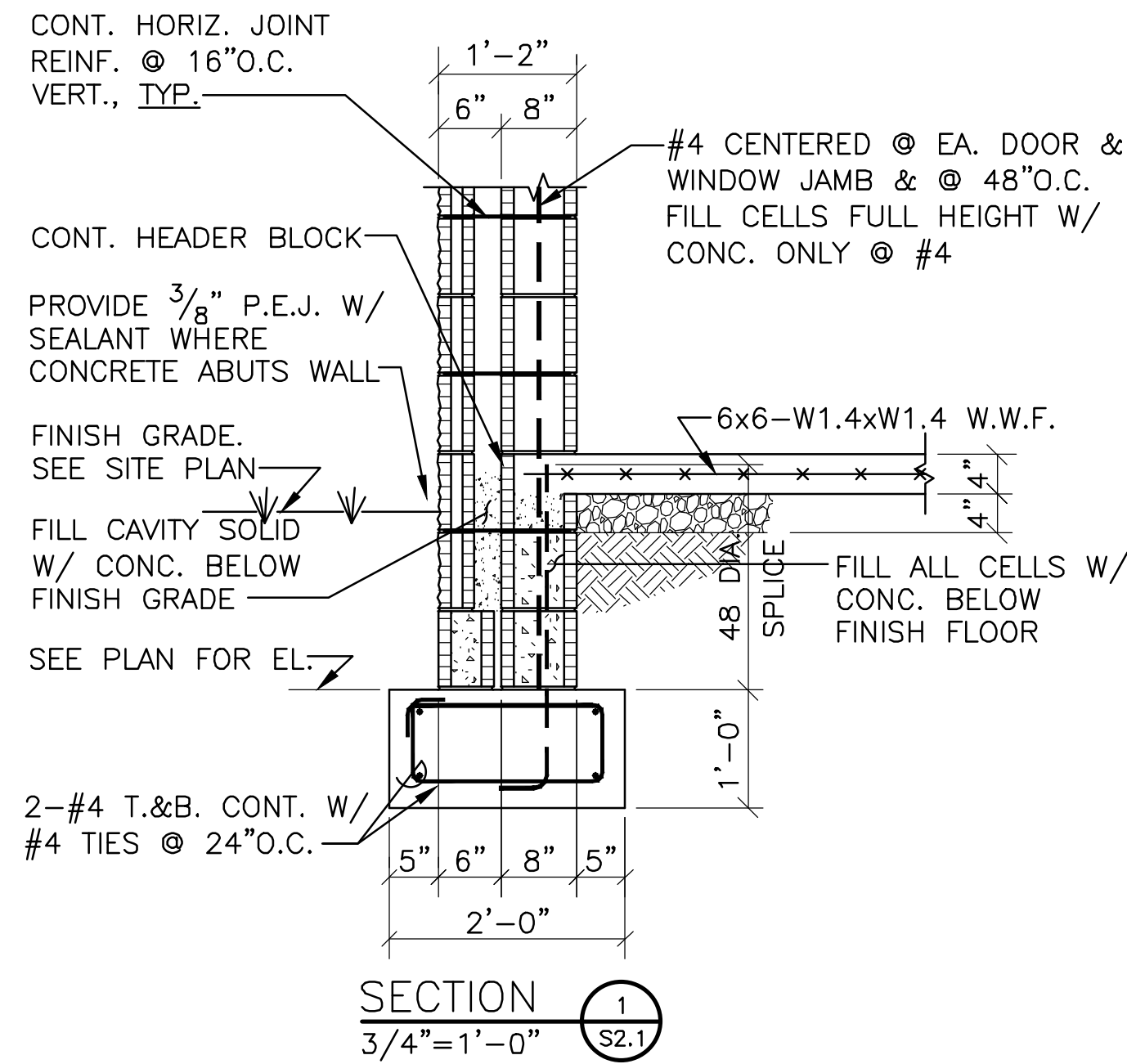
NOTE:
PROVIDE A TYPICAL THICKENED SLAB
UNDER ALL C.M.U. PARTITIONS NOT
BEARING ON A FOOTING. SEE TYPICAL
DETAIL ON SHEET S0.1



BASEBALL DRESSING ROOM
ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

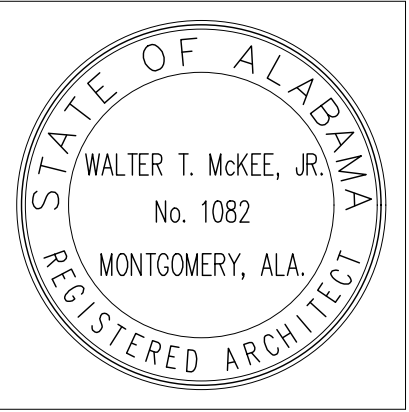
ROOF CONSTRUCTION
5/8" THICK APA RATED PLYWOOD DECK,
EXPOSURE 1, WITH PANEL IDENTIFICATION
INDEX OF 40/20 OVER PRE-ENGINEERED
PREFABRICATED WOOD TRUSSES @
24"O.C. MAXIMUM.

NOTE:
PROVIDE PLYCLIPS @ MID SPAN BETWEEN
TRUSSES & RAFTERS AT ALL JOINTS IN
ADJACENT ROOF DECK SHEETS.



NEW BASEBALL & SOFTBALL DRESSING ROOMS FOR
SARALAND HIGH SCHOOL
FOR THE
SARALAND CITY SCHOOL DISTRICT
SARALAND, ALABAMA

SHEET TITLE:
ARCHITECTURAL
SITE PLAN



PROJ. MGR.:	JRB
DRAWN:	DW
DATE:	7.13.2026
REVISIONS	

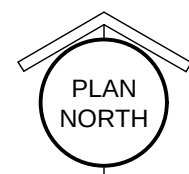
JOB NO. 26-064
SHEET NO:

A0.1
0 1" 2"

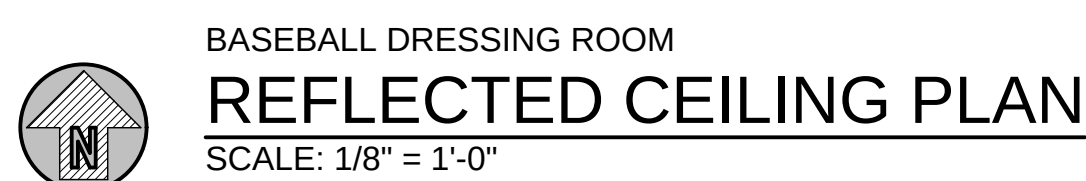
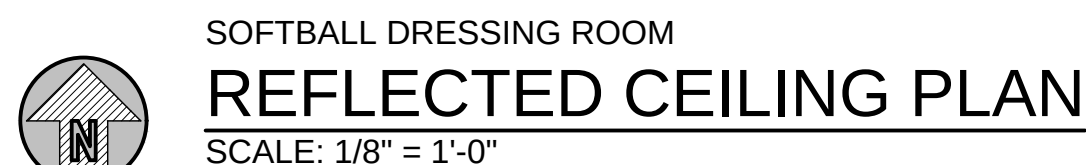
NEW SOFTBALL
DRESSING ROOM
BUILDING

EXISTING
CONCESSION
BUILDING

NEW BASEBALL
DRESSING ROOM
BUILDING

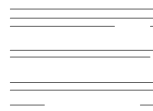


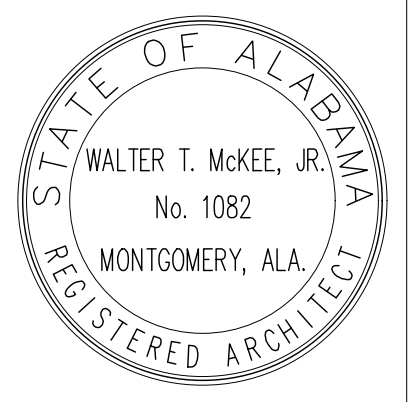
SITE PLAN
SCALE: 1/16"=1'-0"



FLOOR PLAN KEYS	
MARK	DESCRIPTION
⬢FEC⬢	FIRE EXTINGUISHER CABINET
⬢EWC⬢	ELECTRIC WATER COOLER
⬢OS/SB⬢	REFINISHED METAL DOWNSPOUT TO SPLASHBLOCK
⬢MCJ⬢	MASONRY CONTROL JOINT
⬢PU⬢	PACKAGE UNIT (SEE MECHANICAL)
⬢CEP⬢	CONCRETE EQUIPMENT PAD
⬢CO⬢	CASED OPENING
⬢TV⬢	TV BY OWNER
⬢TB⬢	TACK BOARD
⬢MB⬢	MARKER BOARD

REFLECTED CEILING PLAN LEGEND	
CODE	DESCRIPTION
 9'-5" PLY	 HEIGHT A.F.F. MATERIAL
PLY	PLYWOOD WITH BATTEN STRIPS - PAINTED
ESP	EXPOSED STRUCTURE - PAINTED
      	LIGHT FIXTURES (SEE ELECTRICAL)
 	HVAC (SEE MECHANICAL)

ROOF PLAN LEGEND	
SYMBOL	DESCRIPTION
	ASPHALT SHINGLES
	VENTED SOFFIT PANELS
	RIDGE FLASHING - VENTED
	HIP RIDGE
	PREFINISHED METAL DOWNSPOUT TO SPLASHBLOCK
	METAL GUTTER-FACTORY FINISH
	PLUMBING VENT
	EXHAUST STACK

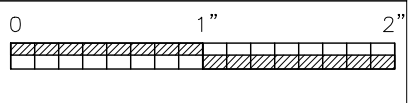


PROJ. MGR.: JRB
DRAWN: DW
DATE: 7.13.2026
REVISIONS

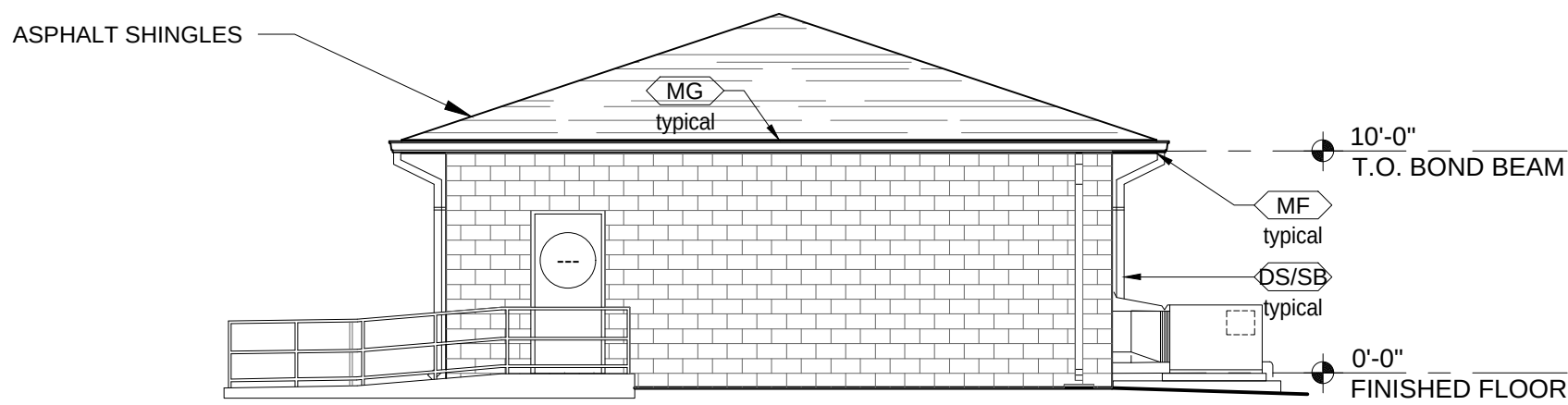
JOB NO. 26-064

SHEET NO:

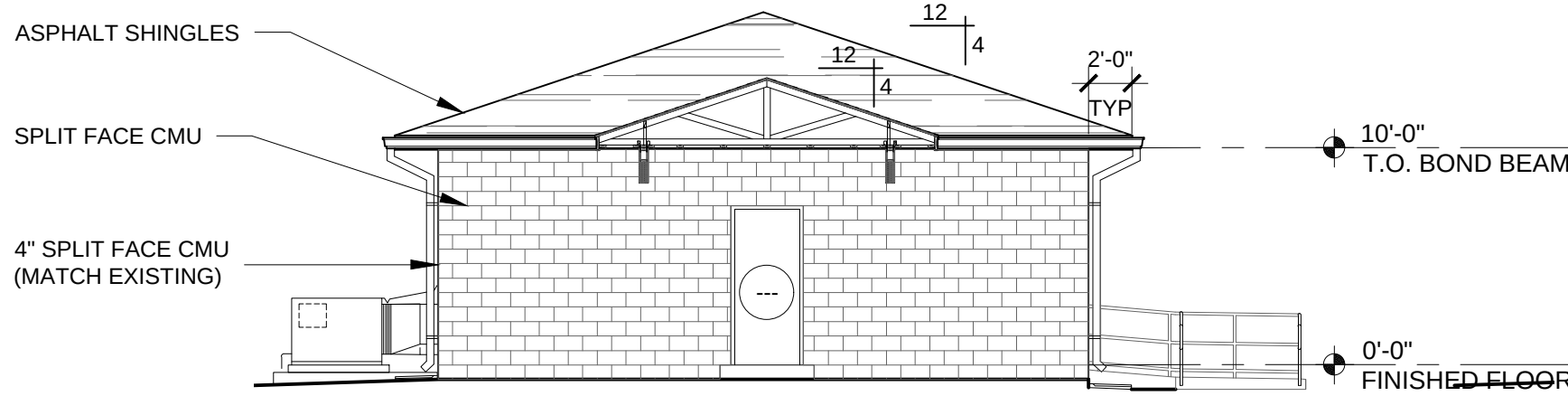
A4.1



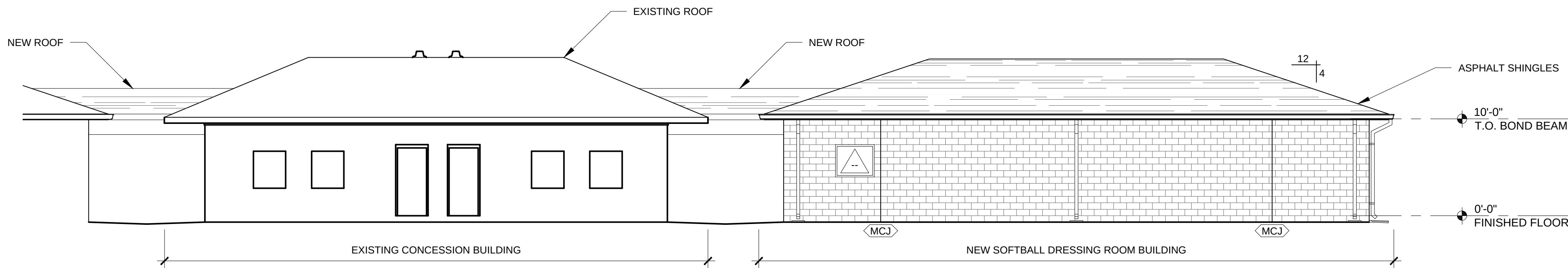
ELEVATION LEGEND	
SYMBOL	DESCRIPTION
	SCHEDULED WINDOW
	SCHEDULED DOOR and FRAME
	METAL DOWNSPOUT TO SPLASH BLOCK FACTORY FINISH
	METALGUTTER-FACTORY FINISH
	METAL FASCIA-FACTORY FINISH
	MASONRY CONTROL JOINT



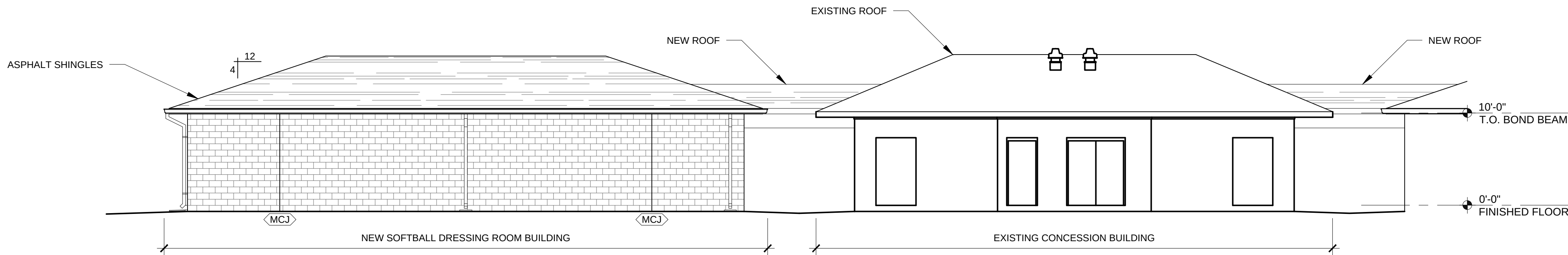
SOFTBALL DRESSING ROOM, BASEBALL SIMILAR
NORTH EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



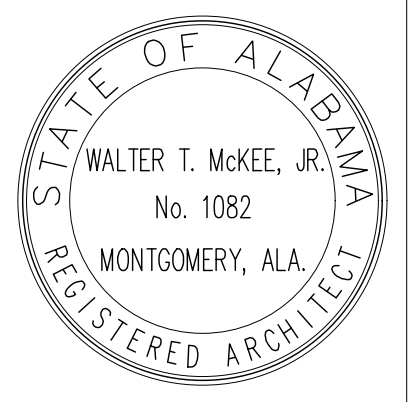
SOFTBALL DRESSING ROOM, BASEBALL SIMILAR
SOUTH EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



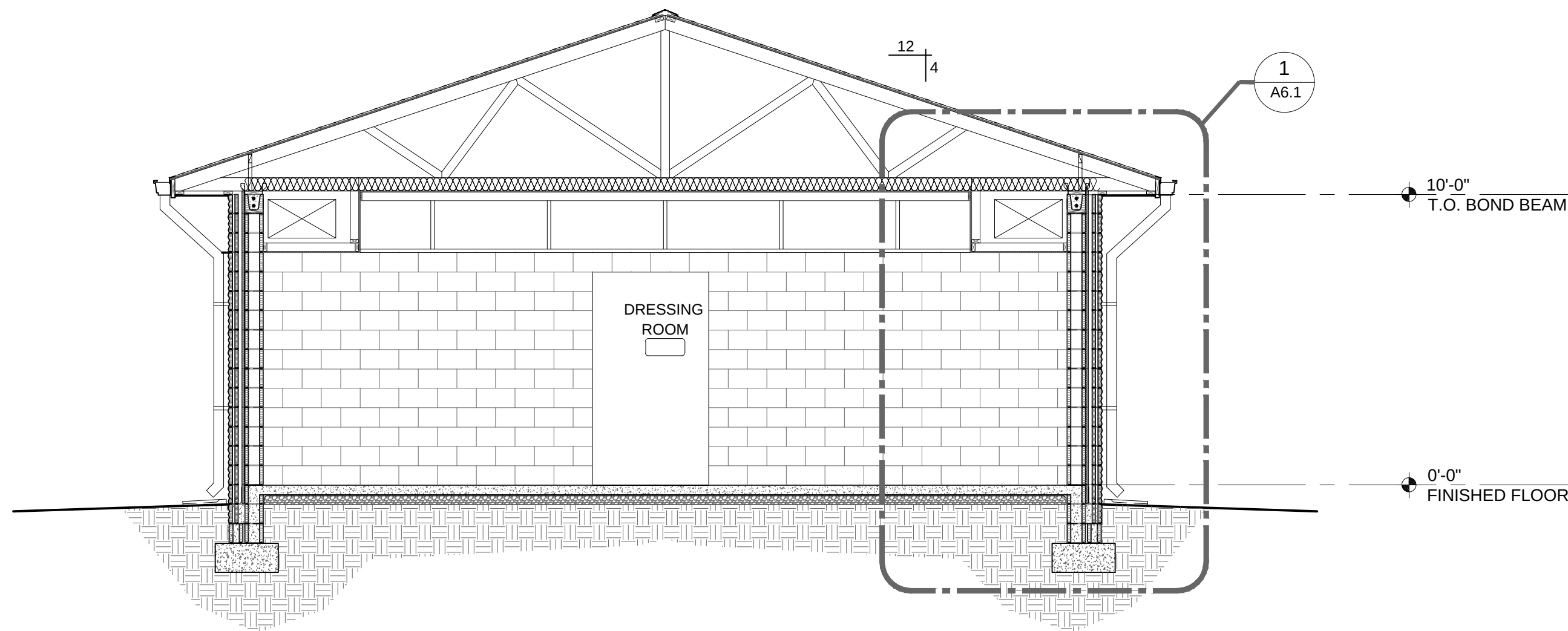
SOFTBALL DRESSING ROOM, BASEBALL SIMILAR
EAST EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



SOFTBALL DRESSING ROOM, BASEBALL SIMILAR
WEST EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

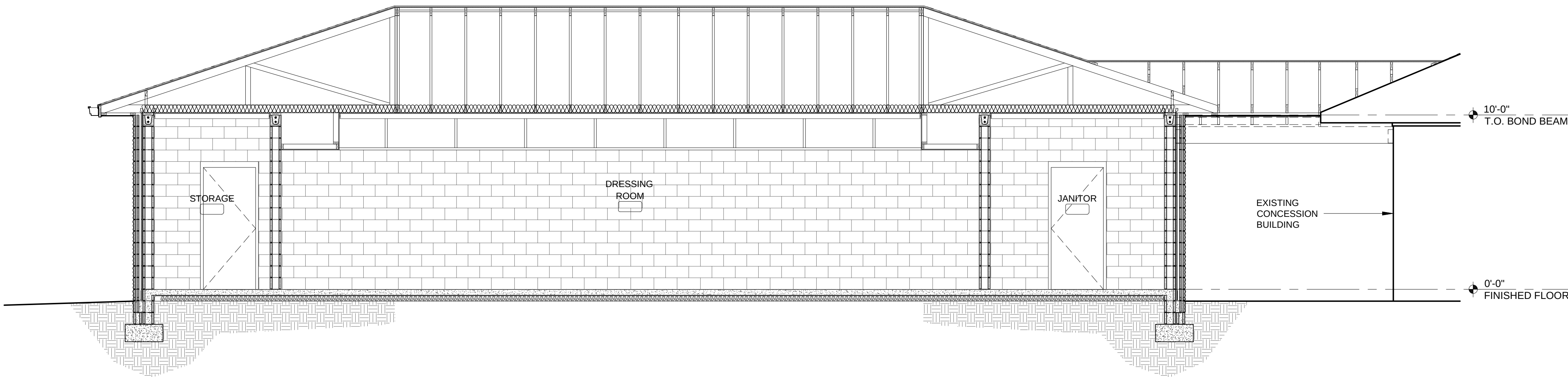


PROJ. MGR.: JRB
DRAWN: DW
DATE: 7.13.2026
REVISIONS



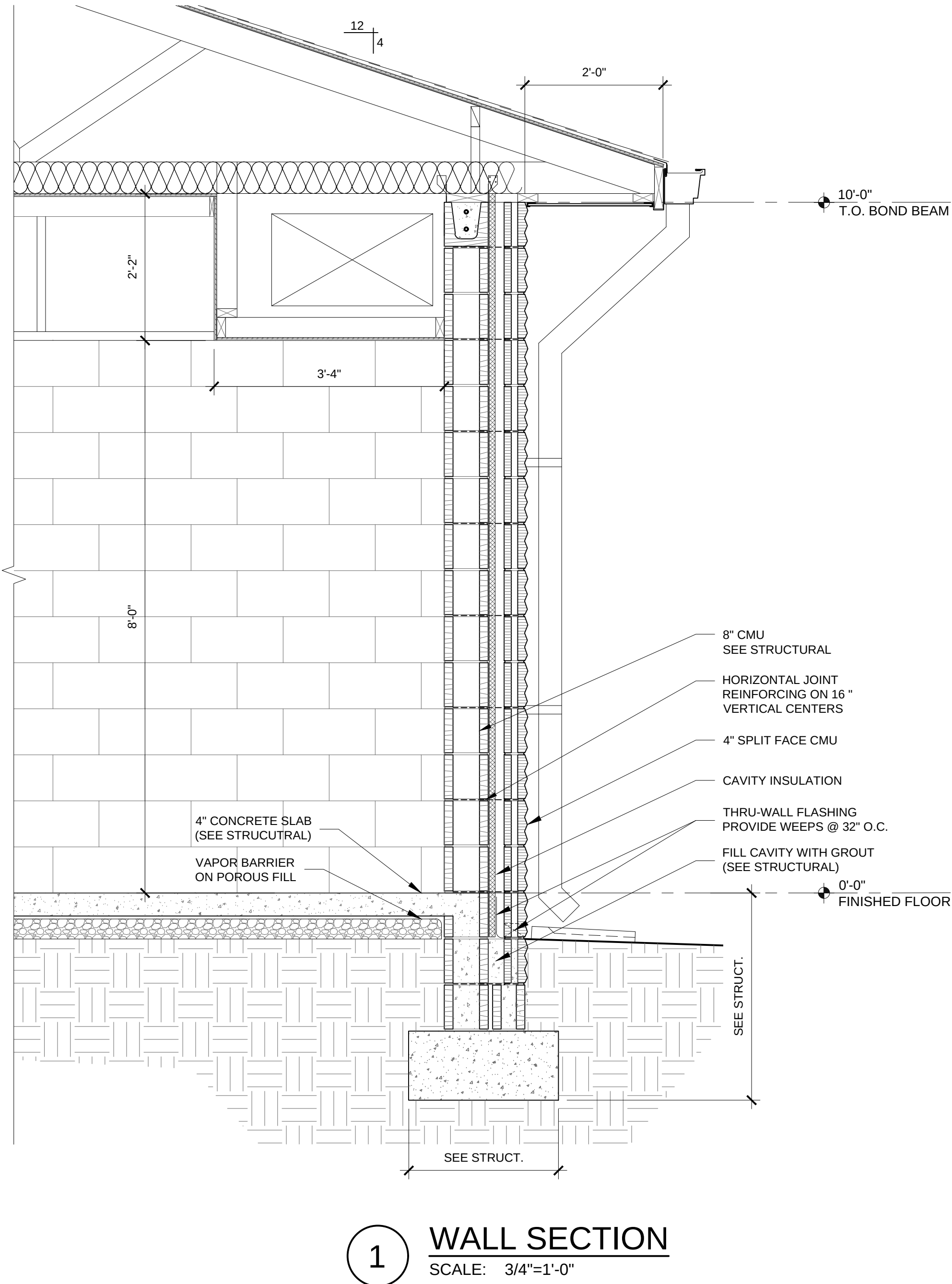
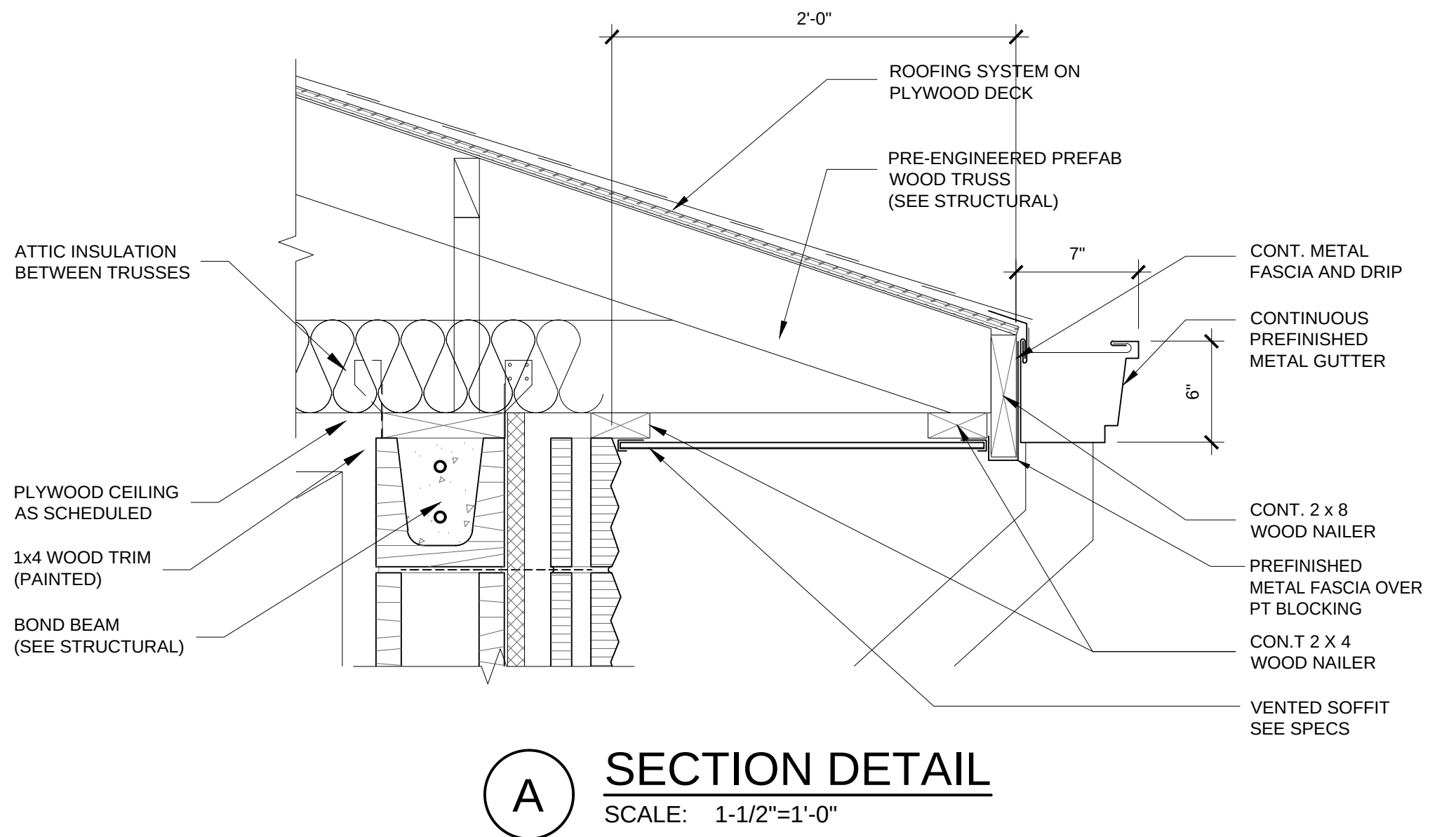
AA

SOFTBALL DRESSING ROOM, BASEBALL SIMILAR
BUILDING SECTION
SCALE: 1/4" = 1'-0"

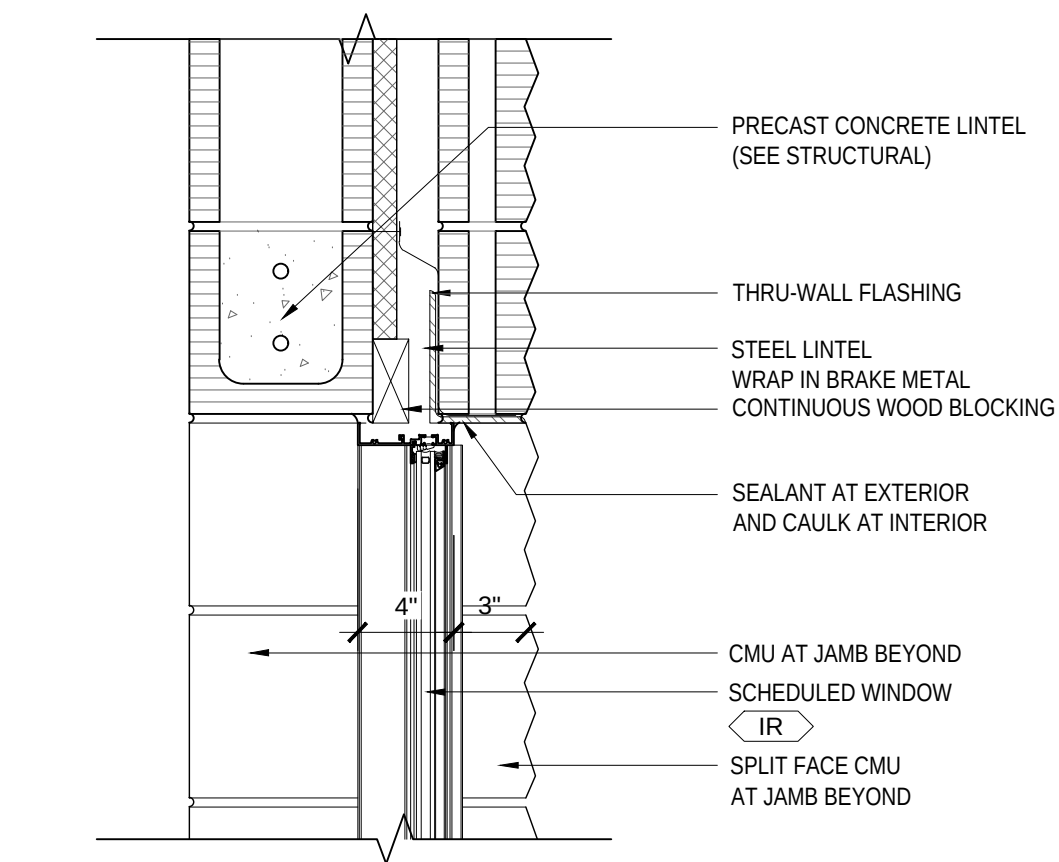


BB

SOFTBALL DRESSING ROOM, BASEBALL SIMILAR
BUILDING SECTION
SCALE: 1/4" = 1'-0"

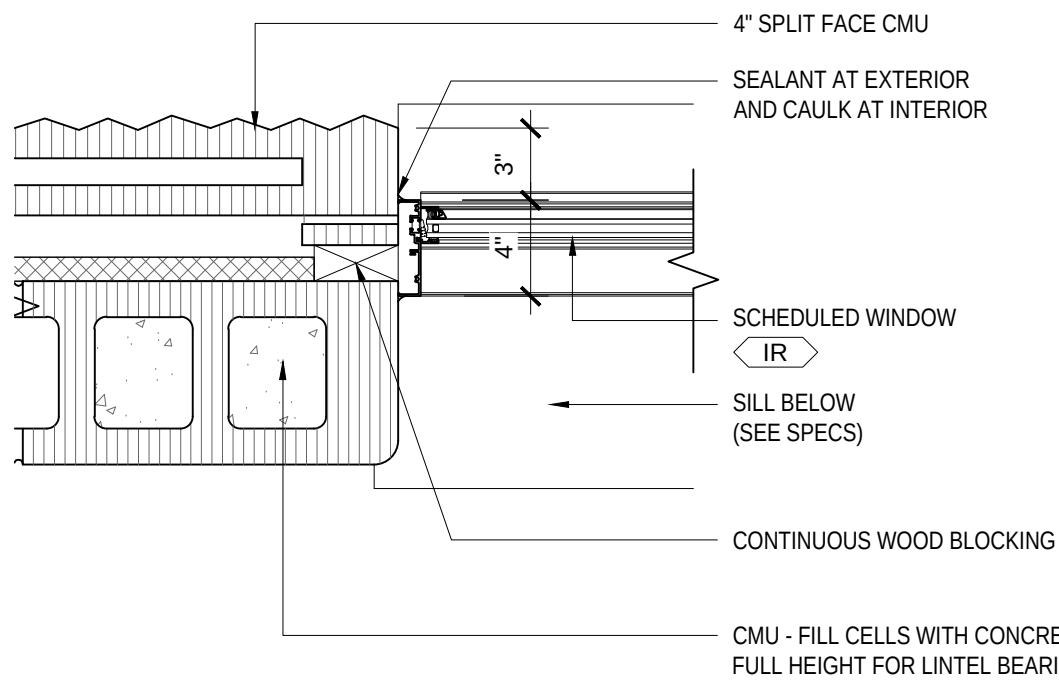


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- Wednesday, July 15, 2026 8:39:55 AM



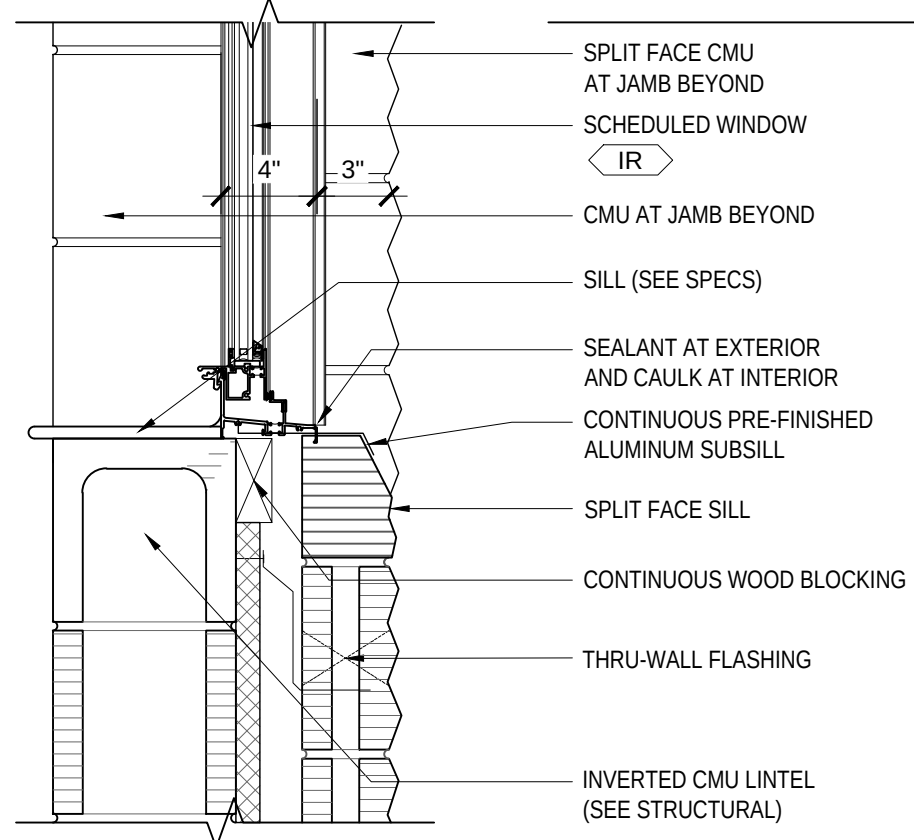
8 WINDOW DETAIL

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



9 WINDOW DETAIL

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



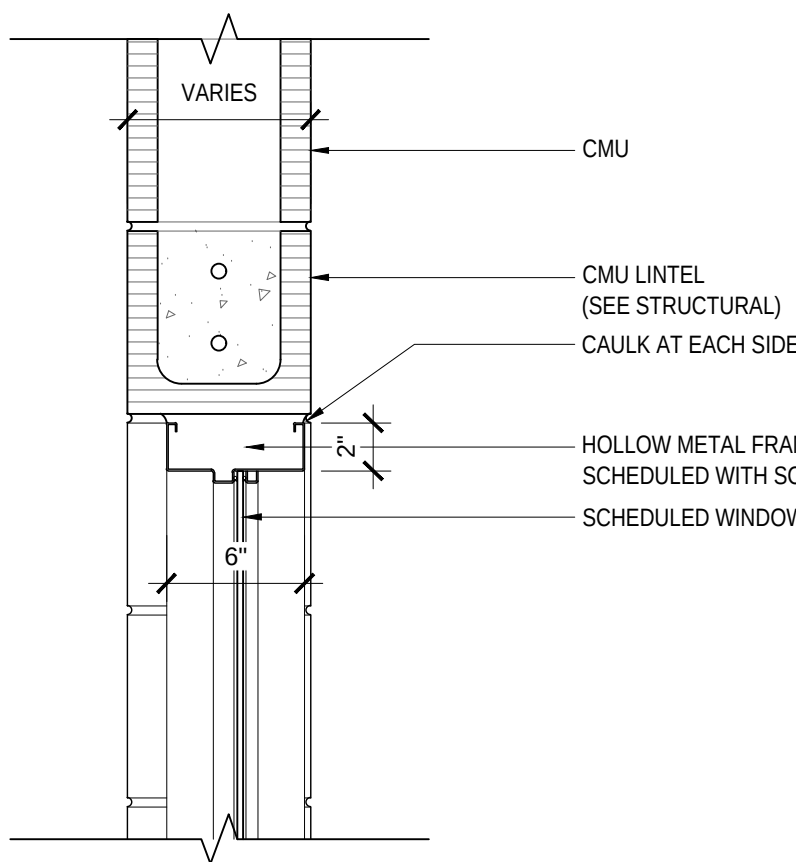
10 WINDOW DETAIL

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

SIGN MOUNTING HEIGHT

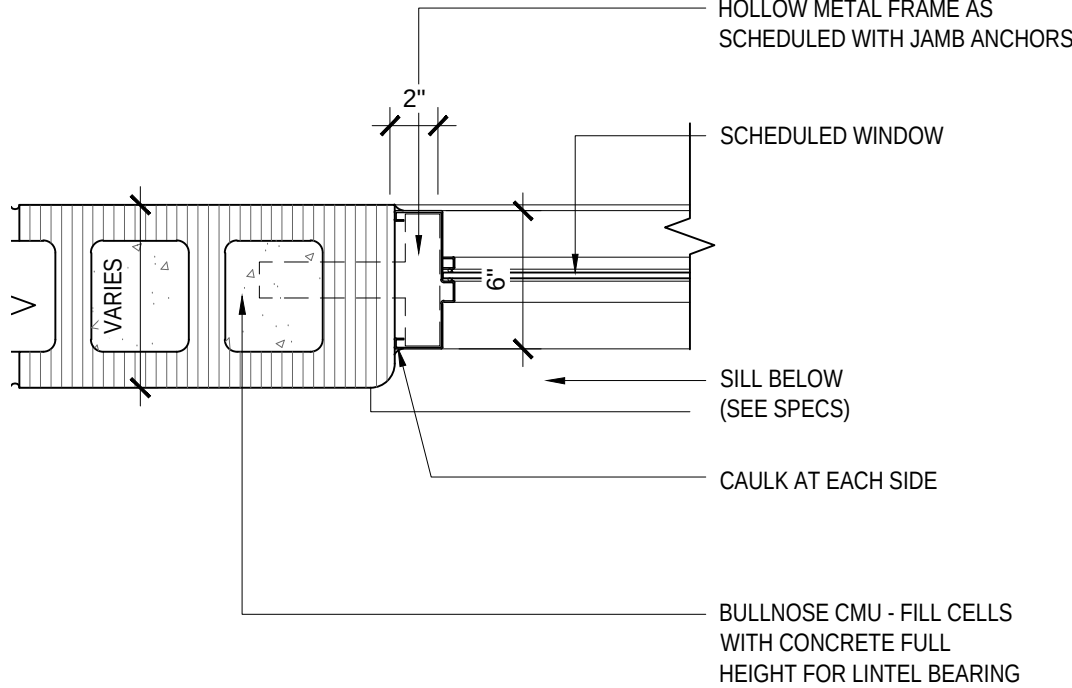
703.4.1 HEIGHT ABOVE FINISH FLOOR OF GROUND
TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 mm) MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16 INCHES (4.8 mm) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

703.4.2 LOCATION
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT THE CLEAR FLOOR SPACE OF 18 INCHES (455 mm) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSEST POSITION AND 45 DEGREE OPEN POSITION.
EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.



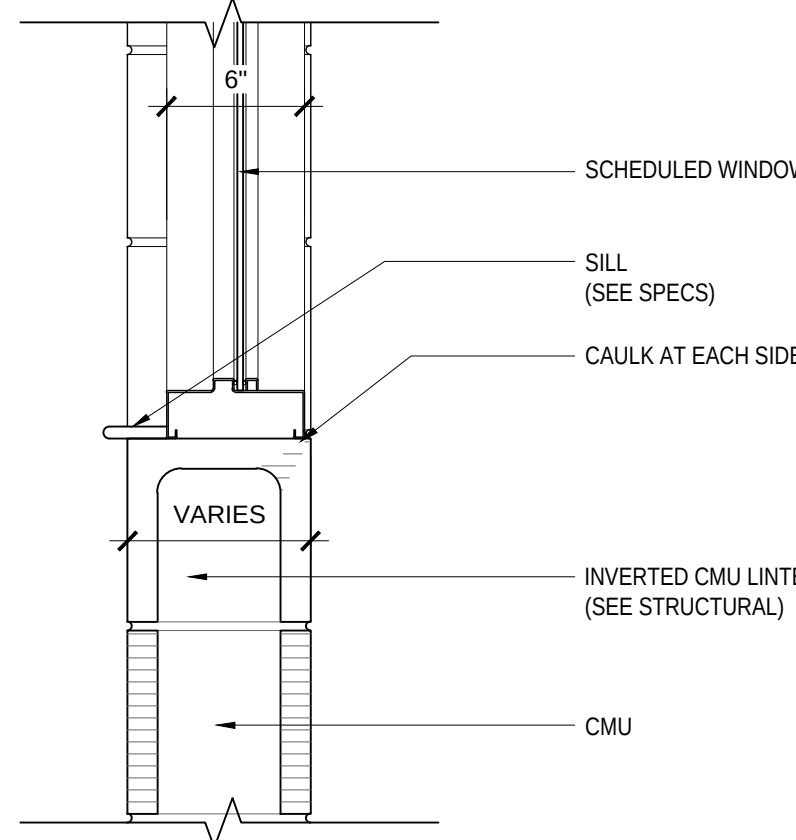
5 HM WINDOW DETAIL

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



6 HM WINDOW DETAIL

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



7 HM WINDOW DETAIL

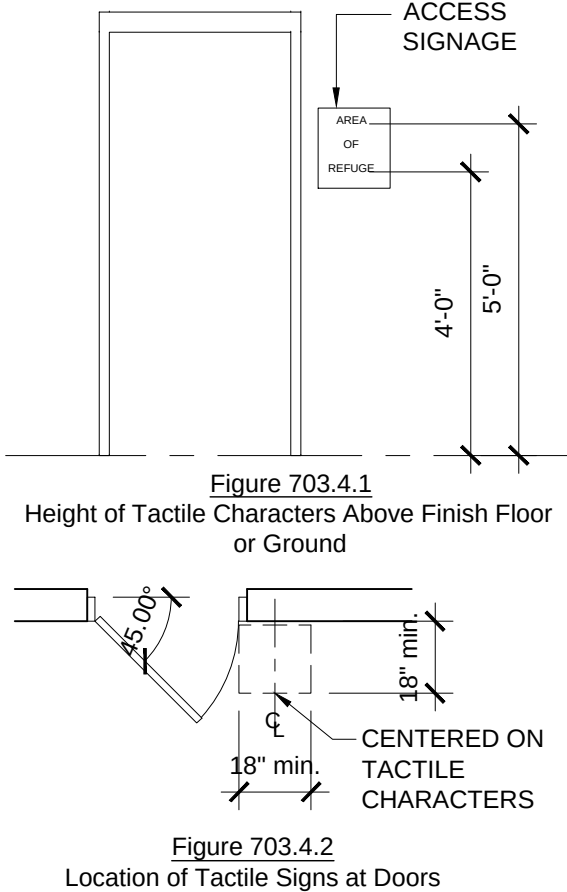
SCALE: 1 1/2"=1'-0" HEAD

SIGNAGE NOTES:

FURNISH INDIVIDUAL PLASTIC LAMINATE SIGNAGE SYSTEM WITH ROOM OR OCCUPANT'S NAME AND ROOM NUMBER. FINAL WORDING TO BE FURNISHED WHEN SHOP DRAWINGS FOR SIGNAGE SYSTEM ARE SUBMITTED.

LABELED DOOR AND FRAME NOTE:

HOURLY RATING DESIGNATIONS AND / OR ALPHABETICAL LETTER DESIGNATIONS ARE GIVEN WHERE PROTECTED OPENINGS ARE REQUIRED IN RATED PARTITIONS. THESE OPENING PROTECTIVE ASSEMBLIES SHALL INCLUDE THE FRAME, DOOR, HARDWARE, CLOSING DEVICE, SILL AND ANCHORAGE. CONTRACTOR SHALL SEE THAT NO COMPONENT IS OMITTED OR SUBSTANDARD QUALITY USED SUCH THAT THE EFFECTIVENESS OF THE ENTIRE OPENING AS A FIRE OR SMOKE BARRIER MIGHT BE JEOPARDIZED. DOORS AND FRAMES SHALL BE FURNISHED WITH UNDERWRITER'S LABORATORIES OR WARNOCKHERSEY LABELS WITH APPROPRIATE FIRE RESISTANCE RATINGS FOR THE CLASS OF OPENING SCHEDULED. SUBJECT TO DOOR MANUFACTURER'S PROCEDURAL LIMITATIONS, LABELS SHOULD BEAR THE FOLLOWING NOTATION: "FIRE DOOR, TO BE EQUIPPED WITH FIRE EXIT HARDWARE"

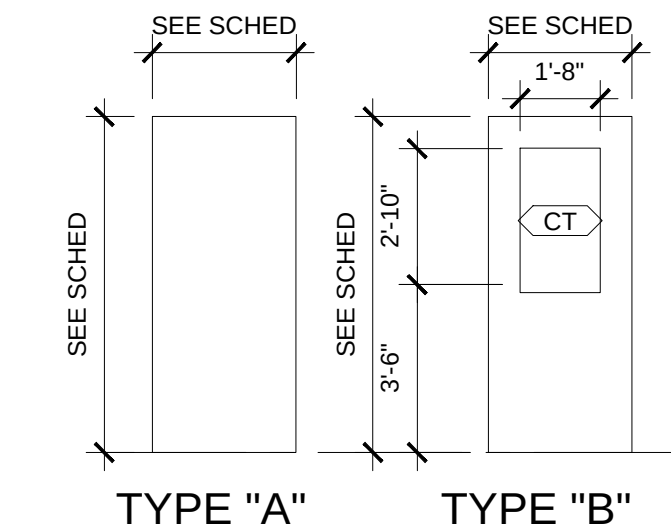


ROOM FINISH SCHEDULE

--- NO WORK REQUIRED GRP - GYPSUM BOARD - PAINT FRP - FIBERGLASS REINFORCED WALL PANELS EXP - EXPOSED STRUCTURE PAINTED				CMUP - CONCRETE MASONRY UNIT - PAINT PT - PORCELAIN TILE LAC - 2X2 LAY-IN ACOUSTICAL CEILING TILE LVC - 2X2 LAY-IN VINYL CLAD CEILING TILE				SC - SEALED CONCRETE LVT - LUXURY VINYL TILE EP - EPOXY PLY - PAINTED PLYWOOD WITH BATTEN STRIPS RSF - RUBBER SPORTS FLOORING				RB - RUBBER BASE C - CARPET PC - PAINTED CONCRETE	
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING		WAINS.	HEIGHT	REMARKS	
				NORTH	SOUTH	EAST	WEST	TYPE	HEIGHT				
100	DRESSING ROOM	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
101	OFFICE	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
102	JANITOR	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
103	STORAGE	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
200	DRESSING ROOM	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
201	OFFICE	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
202	JANITOR	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		
203	STORAGE	SC	RB	CMUP	CMUP	CMUP	CMUP	PLY	10'-1"	---	---		

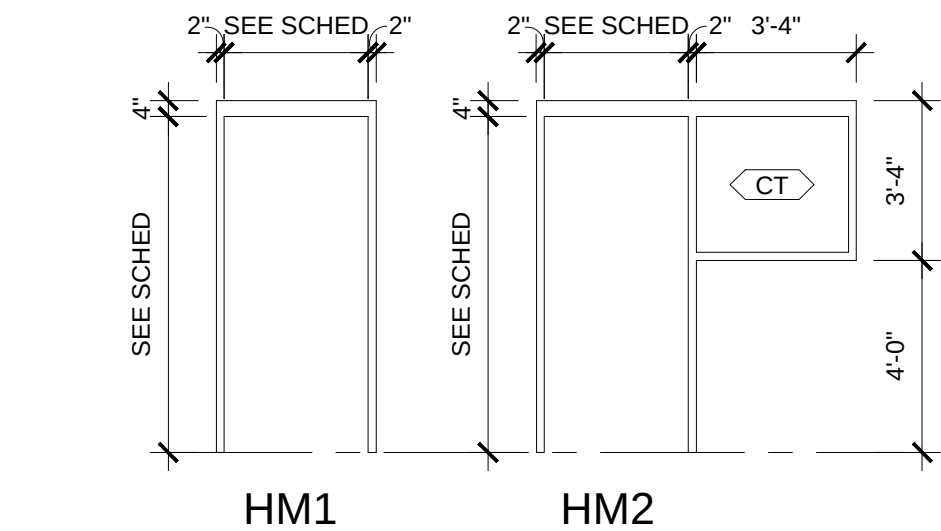
DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS		SIGNAGE	REMARKS
										HEAD	JAMB		
100	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---	1/A8.1	2/A8.1		
100a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---	1/A8.1	2/A8.1		
101	3'-0"	7'-0"	1 3/4"	FLUSH HOLLOW METAL	A	PAINT	HM2	PAINT	---	3/A8.1	4/A8.1		
102	3'-0"	7'-0"	1 3/4"	FLUSH HOLLOW METAL	A	PAINT	HM1	PAINT	---	3/A8.1	4/A8.1		
103	3'-0"	7'-0"	1 3/4"	FLUSH HOLLOW METAL	A	PAINT	HM1	PAINT	---	3/A8.1	4/A8.1		
200	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---	1/A8.1	2/A8.1		
200a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---	1/A8.1	2/A8.1		
201	3'-0"	7'-0"	1 3/4"	FLUSH HOLLOW METAL	A	PAINT	HM1	PAINT	---	3/A8.1	4/A8.1		
202	3'-0"	7'-0"	1 3/4"	FLUSH HOLLOW METAL	A	PAINT	HM1	PAINT	---	3/A8.1	4/A8.1		
203	3'-0"	7'-0"	1 3/4"	FLUSH HOLLOW METAL	A	PAINT	HM1	PAINT	---	3/A8.1	4/A8.1		



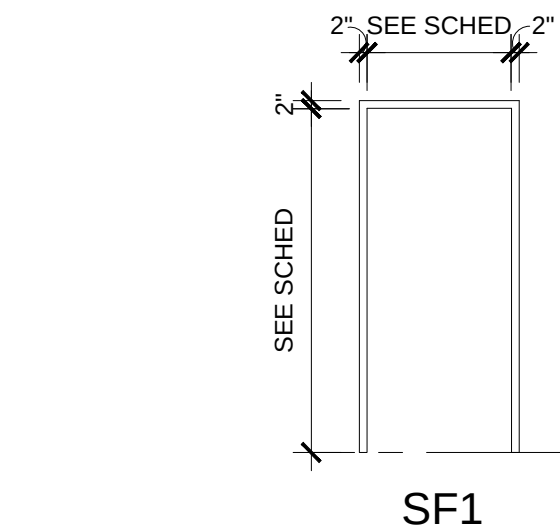
TYPICAL DOOR TYPES

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



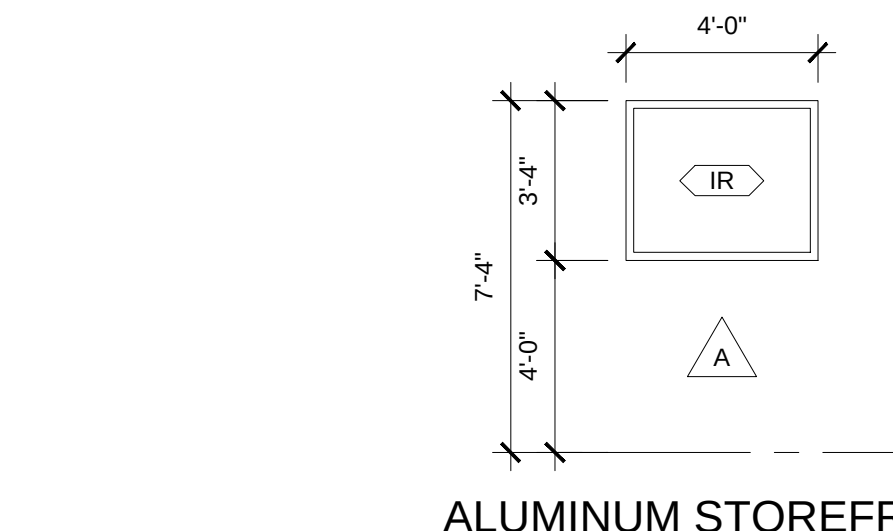
HOLLOW METAL FRAME TYPES

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



ALUMINUM FRAME TYPES

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

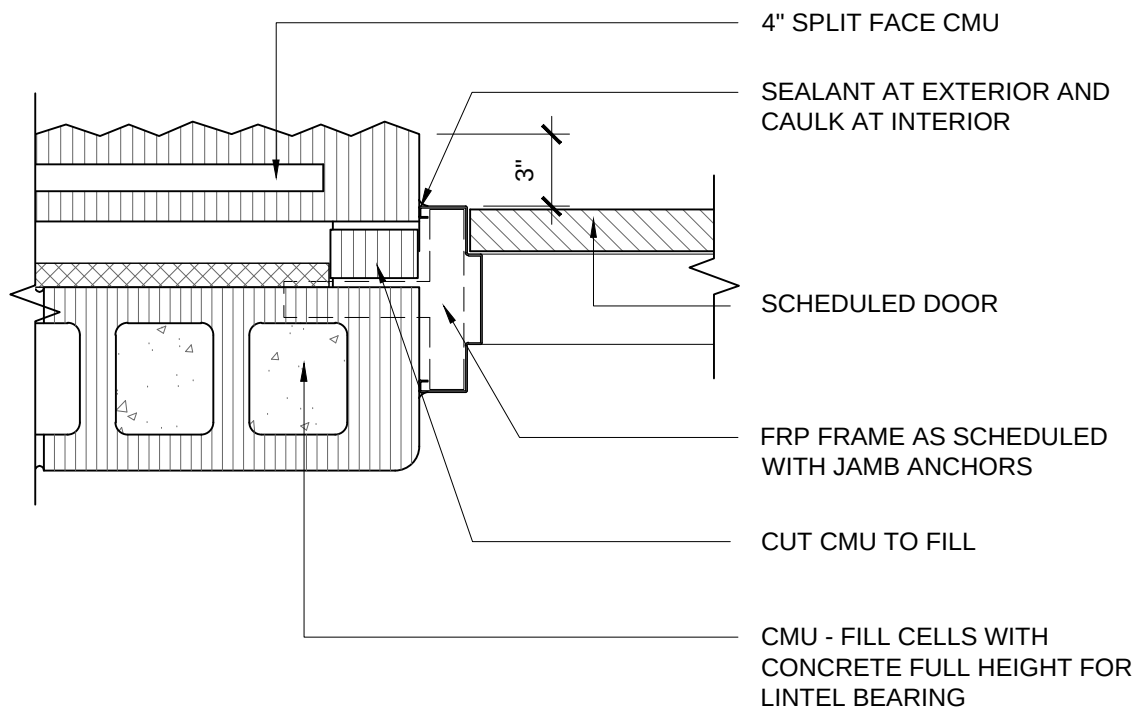


ALUMINUM WINDOW TYPES

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

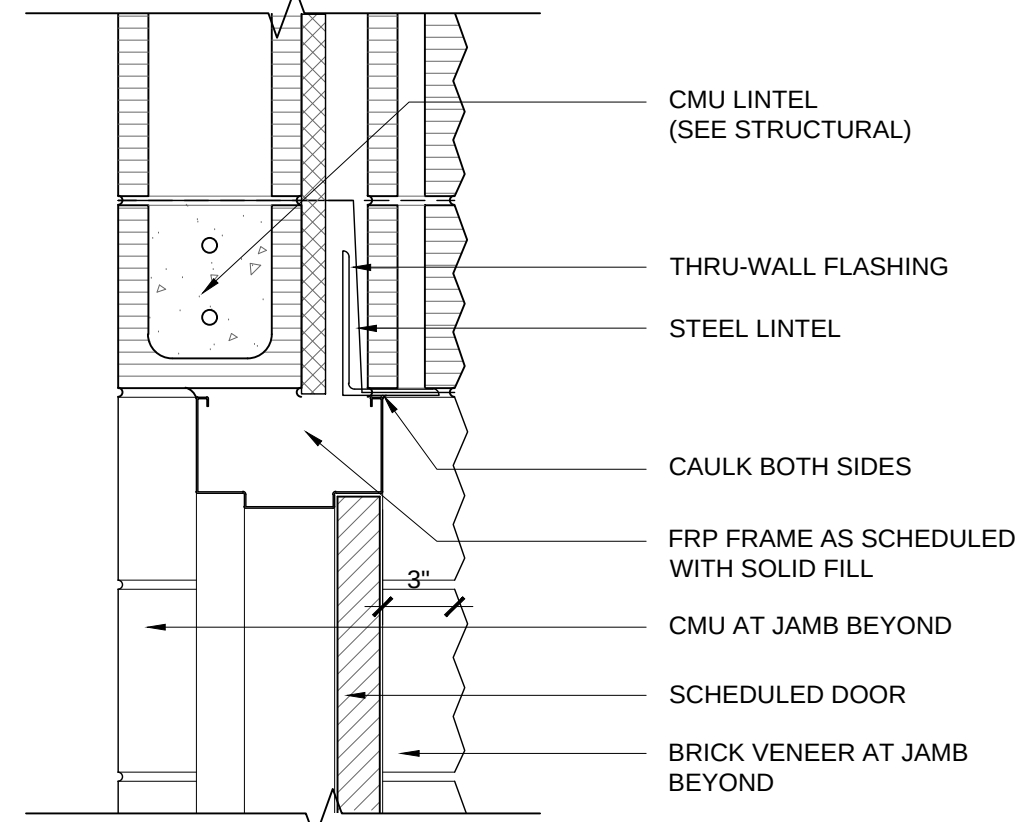
GLAZING SCHEDULE

SYMBOL	DESCRIPTION
<CT>	CLEAR TEMPERED
<IR>	IMPACT RESISTANT-TINTED



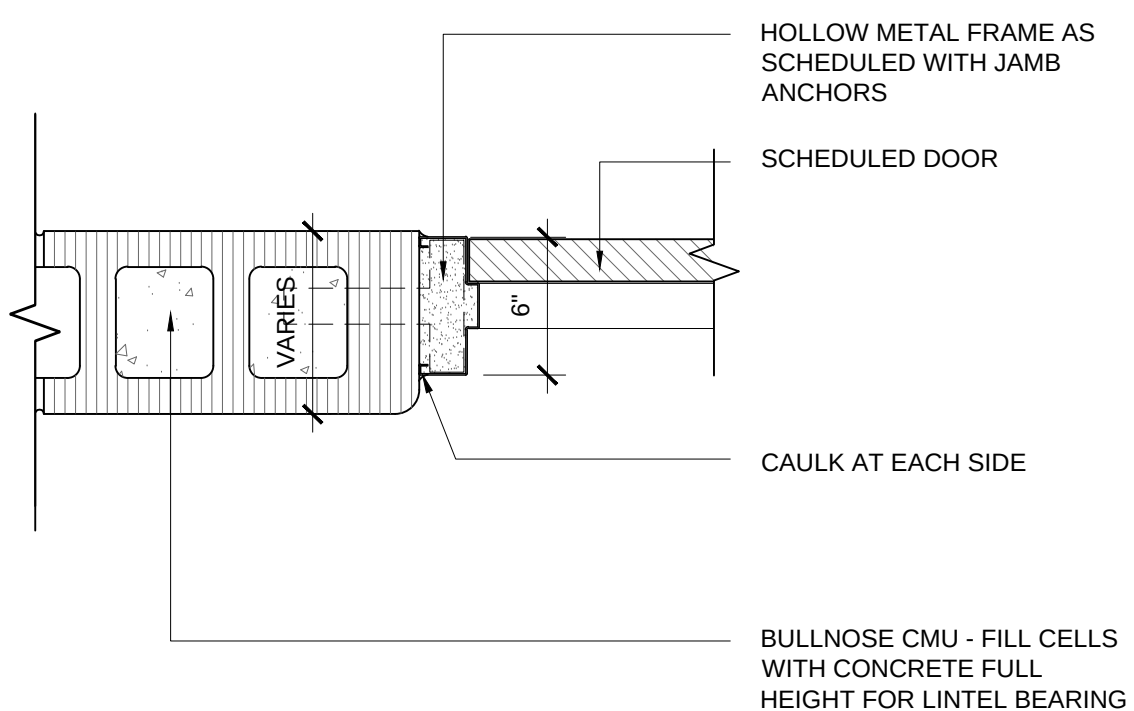
2 FRP DOOR DETAIL

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



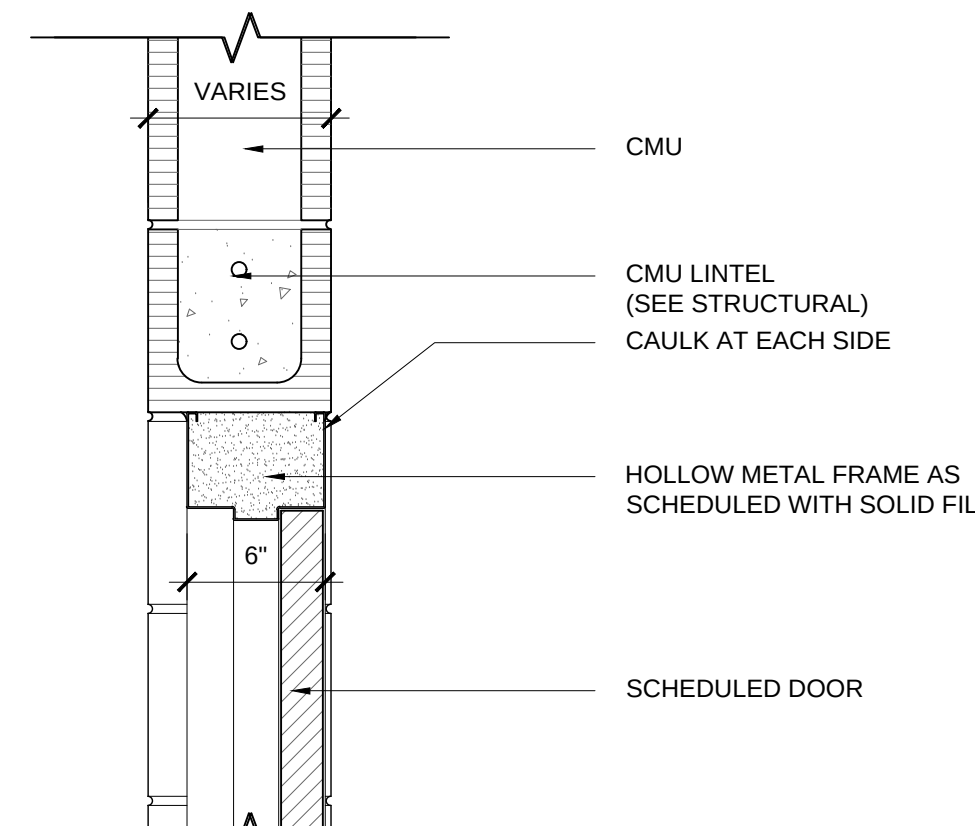
1 FRP DOOR DETAIL

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



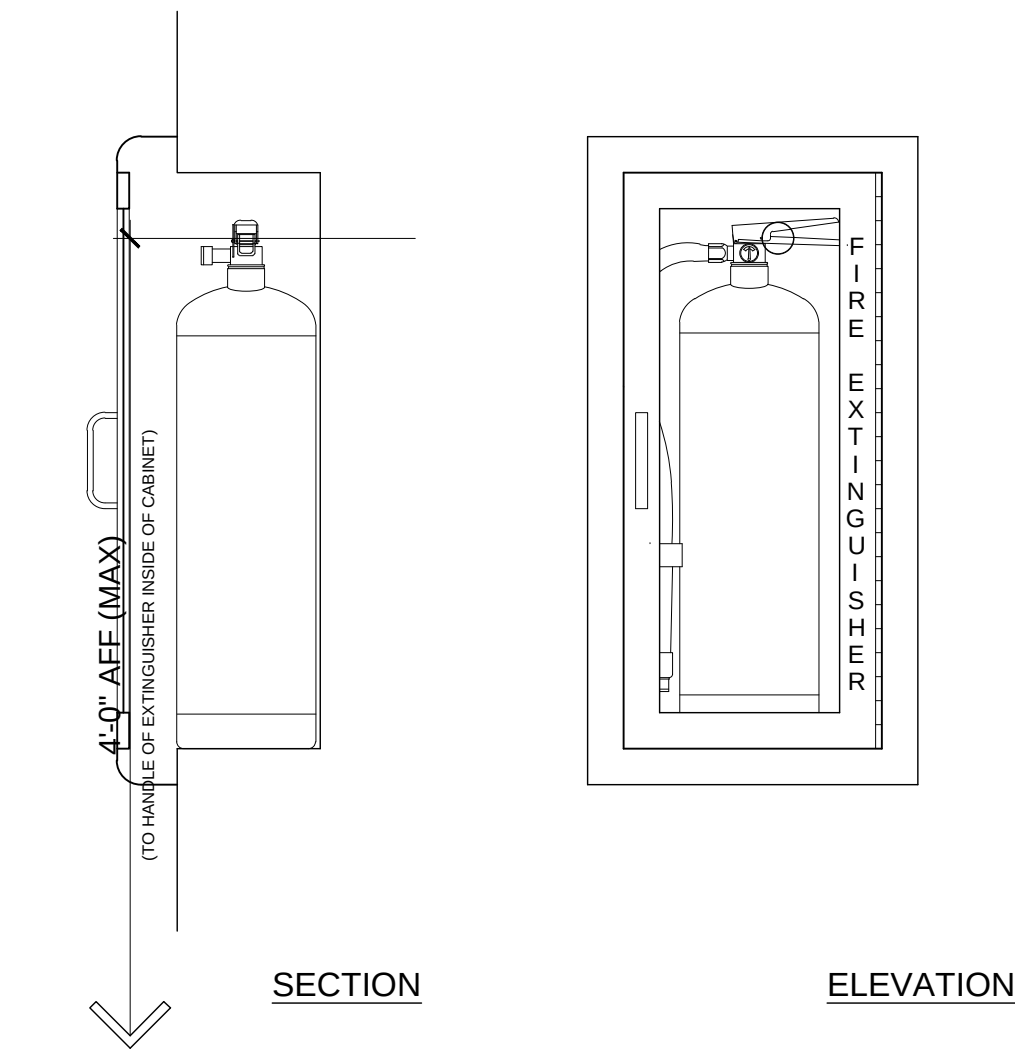
4 DOOR DETAIL

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

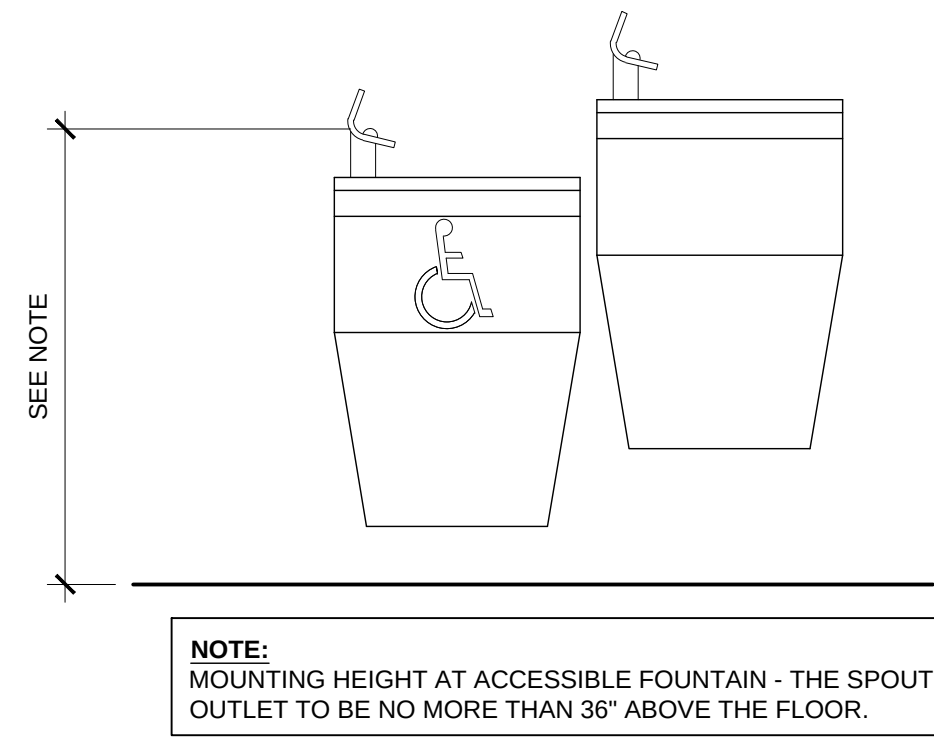


3 DOOR DETAIL

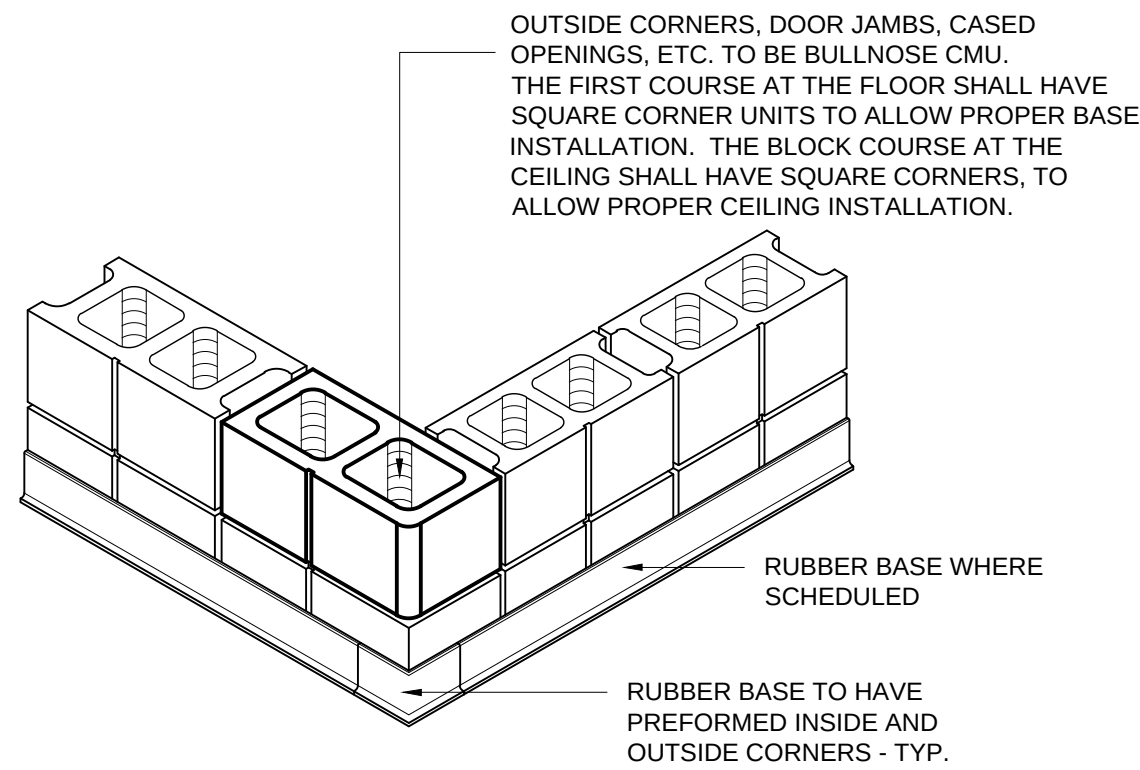
SCALE: 1 1/2"=1'-0" HEAD



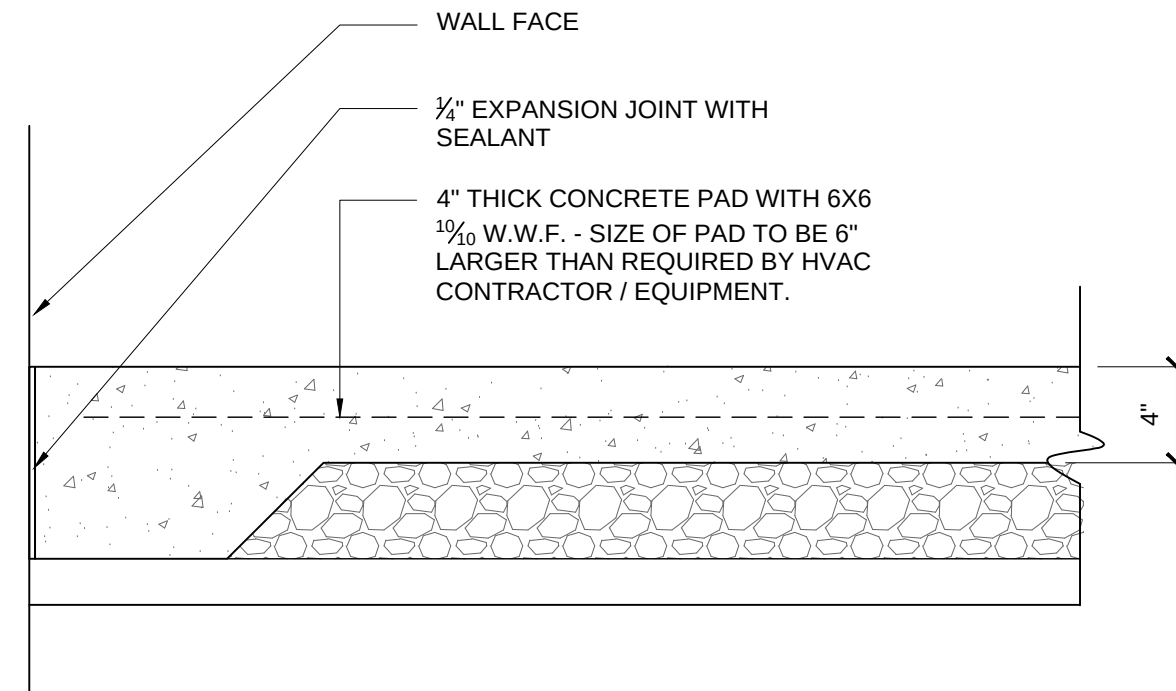
FIRE EXTINGUISHER CABINET (FEC)
SCALE: 1 1/2" - 1'-0"



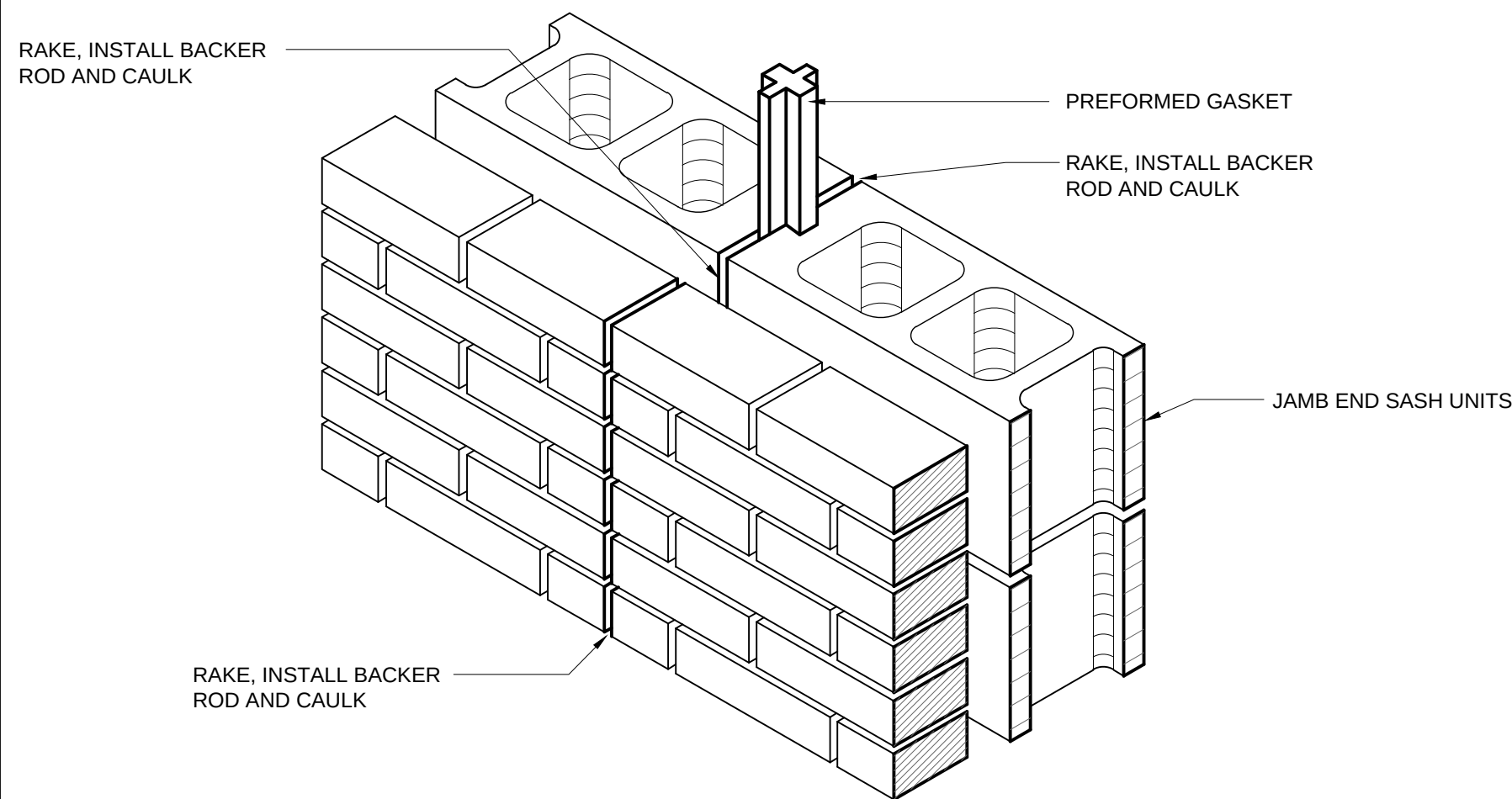
ELECTRIC WATER COOLER (EWC)
SCALE: 1 1/2" - 1'-0"



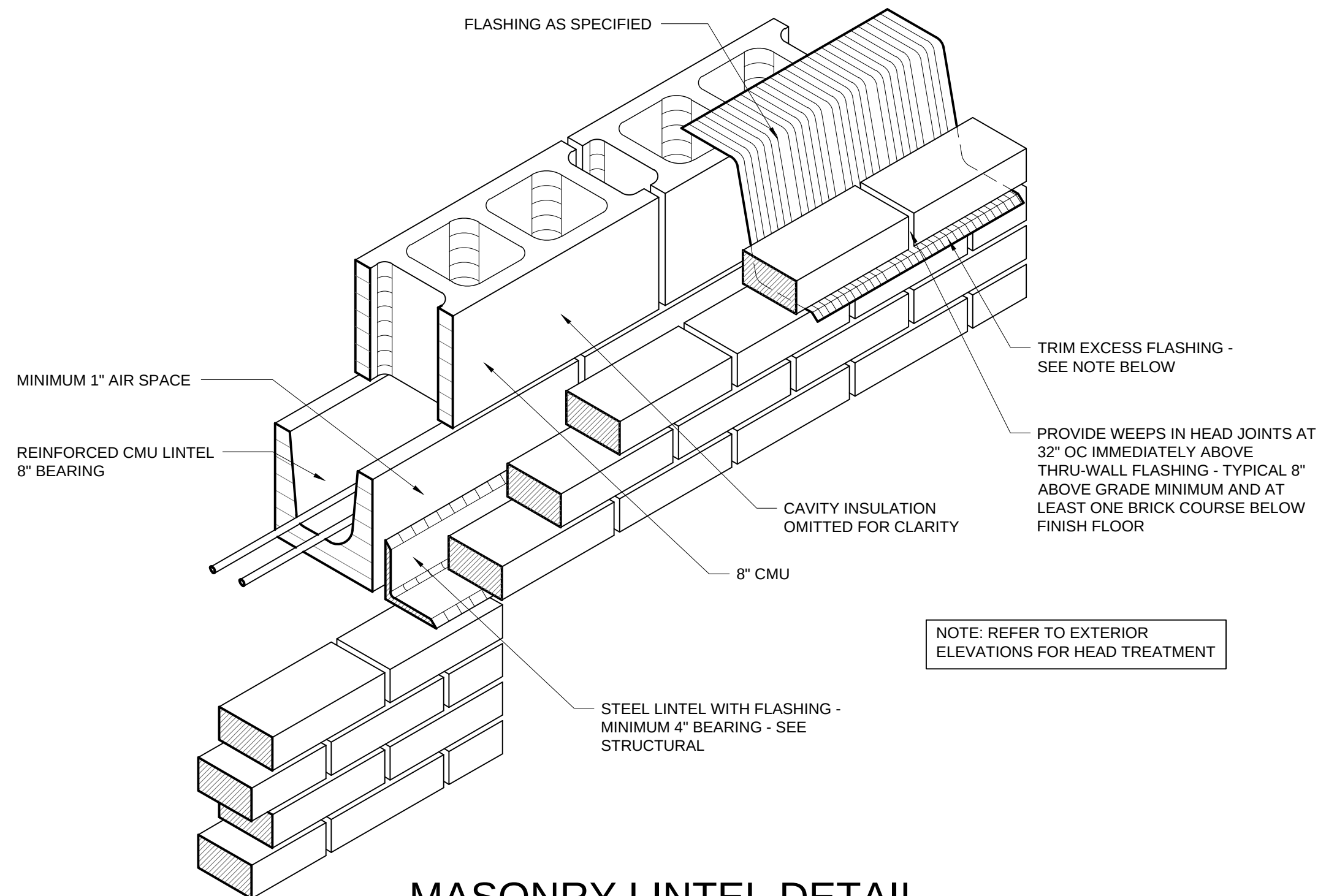
RUBBER BASE DETAIL
SCALE: 3/4" - 1'-0"



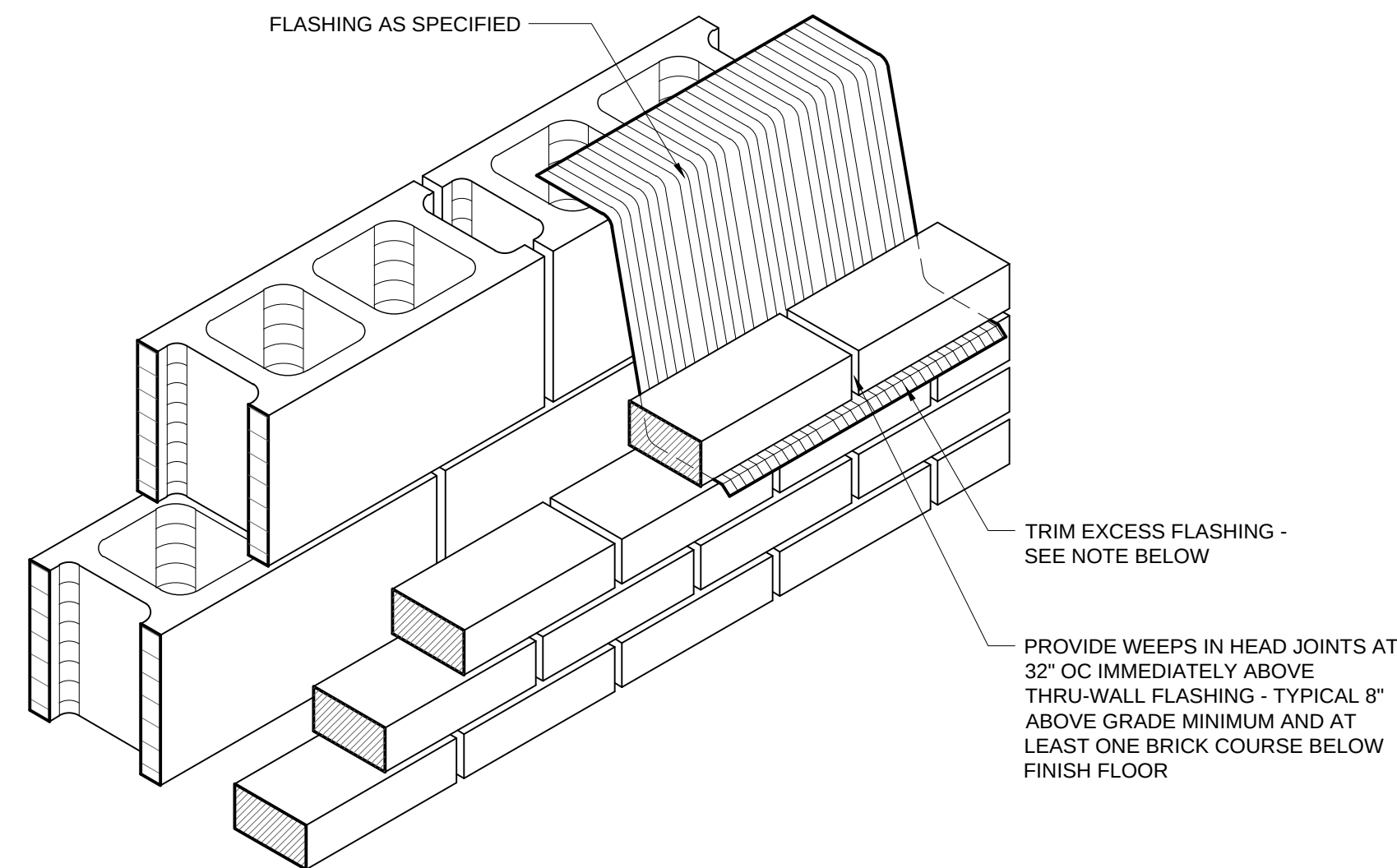
HVAC EQUIPMENT PAD (CEP)
SCALE: 1 1/2" - 1'-0"



MASONRY CONTROL JOINT DETAIL (MCJ)
SCALE: 1 1/2" - 1'-0"

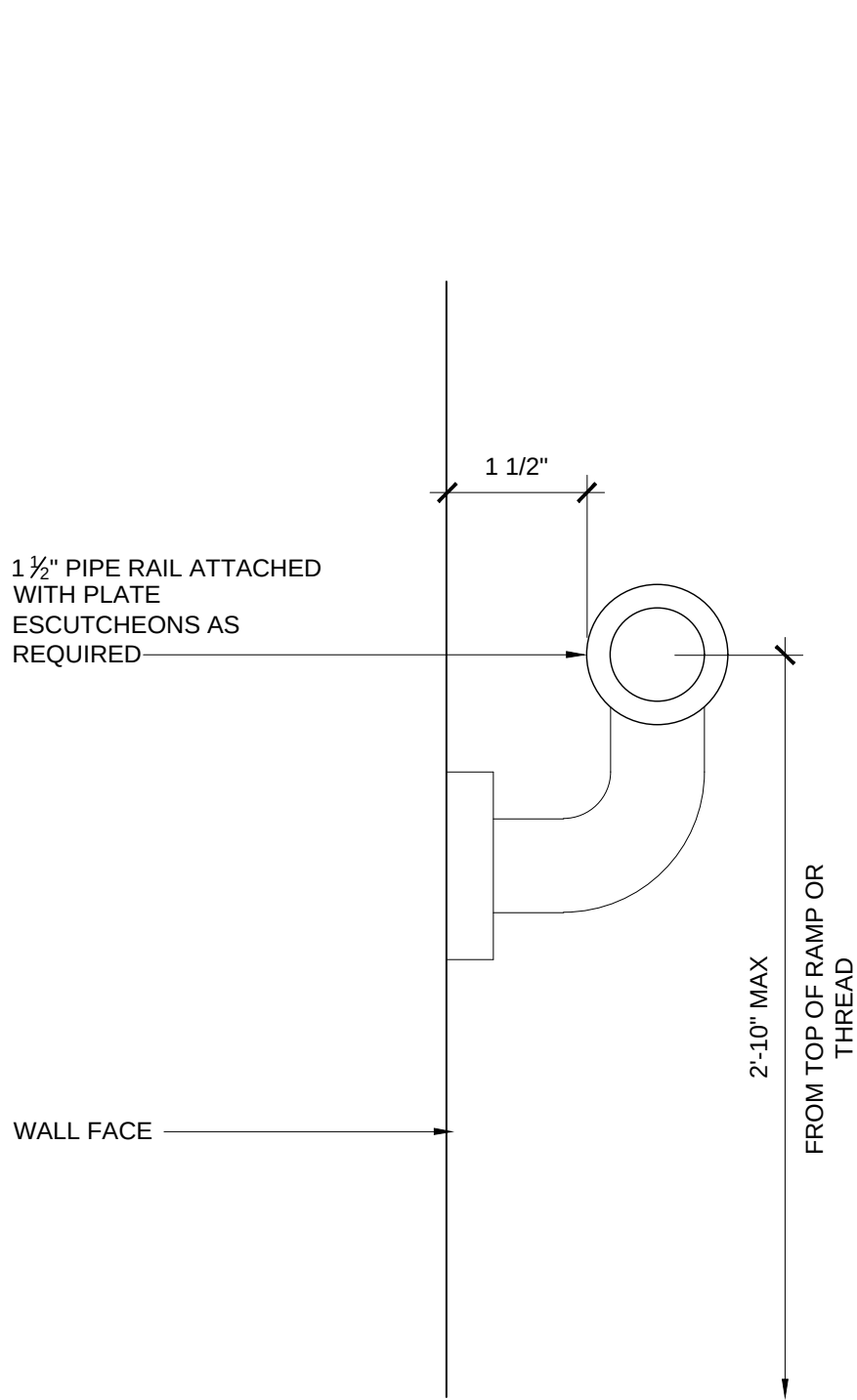


MASONRY LINTEL DETAIL
SCALE: 1 1/2" - 1'-0"



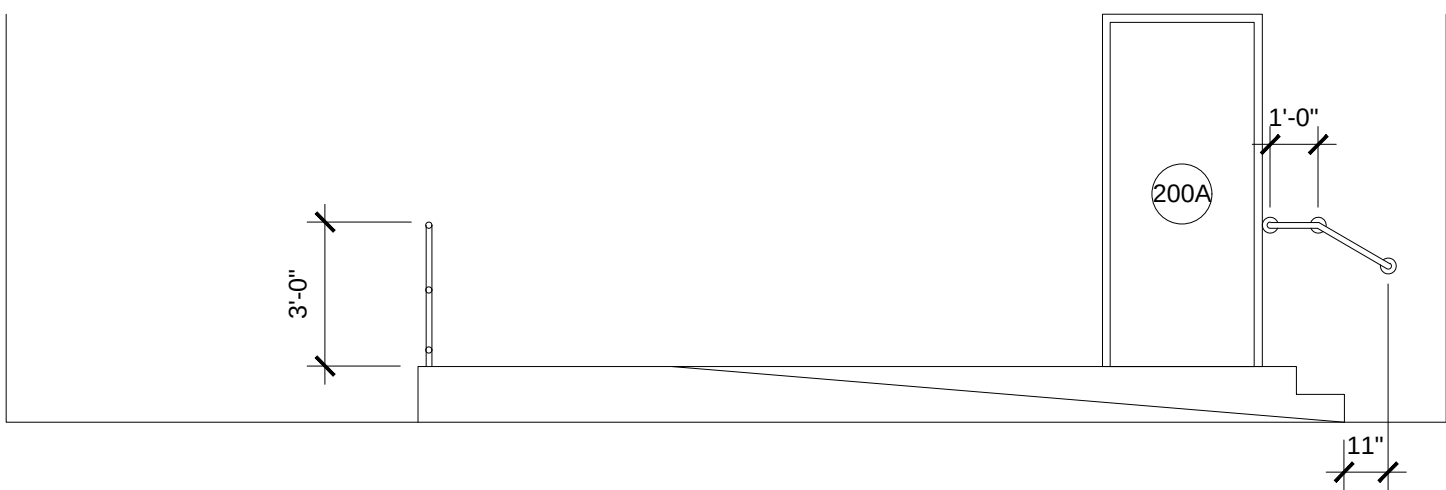
NOTE: BRICK INSTITUTE OF AMERICA TECHNICAL NOTE # 7 STATES THAT
ALL FLASHING MUST EXTEND PAST THE EXTERIOR FACE OF THE MASONRY
OR BE CUT FLUSH WITH THE EXTERIOR MASONRY. CUT FABRIC TYPE
FLASHING FLUSH WITH THE EXTERIOR FACE OF MASONRY AFTER BEING
LEFT EXPOSED FOR INSPECTION PURPOSES ONLY.

THRU-WALL FLASHING DETAIL
SCALE: 1 1/2" - 1'-0"

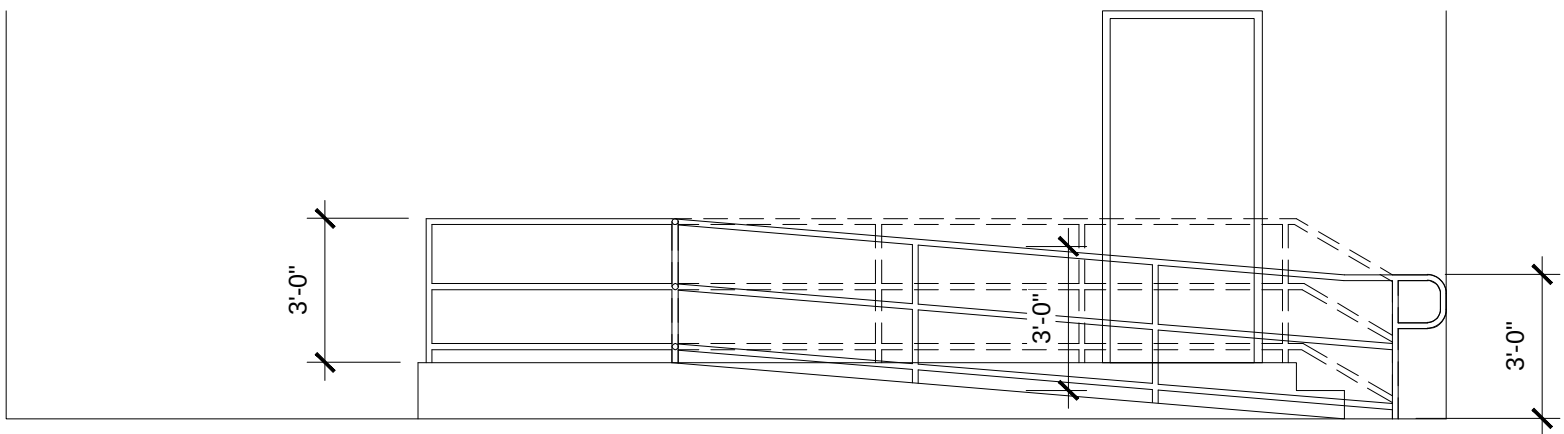
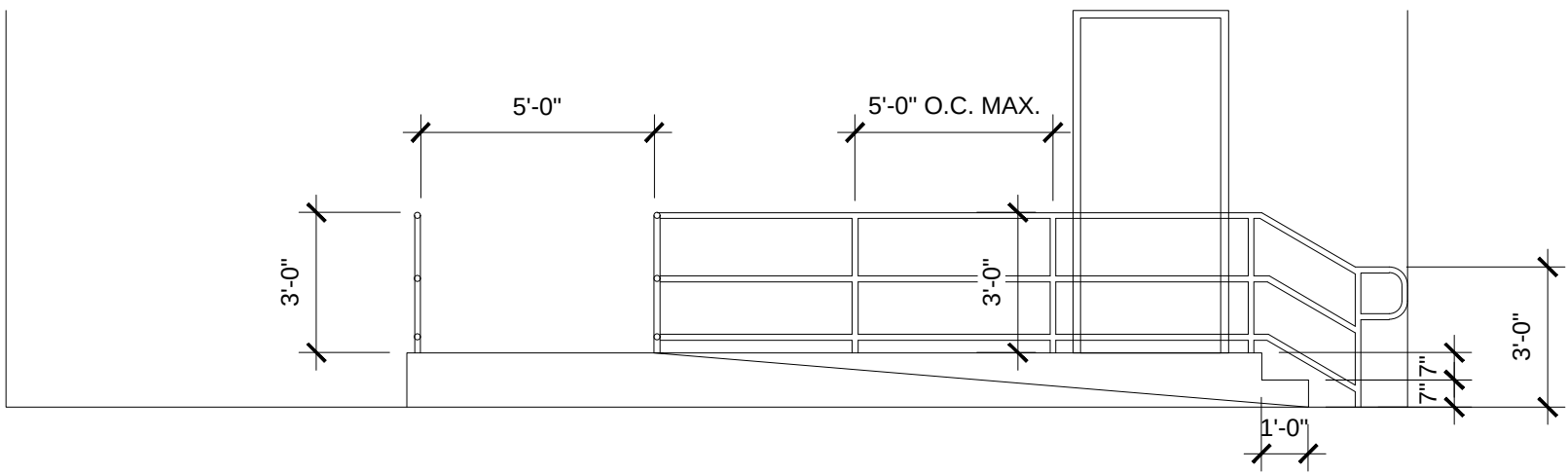


- CODE NOTES:
- HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF AT LEAST 1-1/4 IN. AND NOT MORE THAN 2 IN. (IBC SEC 1012.3)
 - INTERMEDIATE BALLISTERS, ORNAMENTAL PATTERNS OR PICKETS SHALL BE SPACED SUCH THAT A 4 IN. DIAMETER SPHERE SHALL NOT PASS THROUGH ANY OPENING. (IBC SEC 1013.3)
 - WALL HANDRAILS SHALL BE RETURNED TO THE WALL. THEY SHALL EXTEND HORIZONTALLY, AT THE REQUIRED HEIGHT, AT LEAST 12 IN. BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR A DEPTH OF ONE TREAD BEYOND THE FIRST RISER. (IBC SEC 1012.5)
- GENERAL NOTES:
- ALL HANDRAILS AND GUARDRAILS ARE TO BE CONSTRUCTED TO COMPLY W/ THE AMERICAN WITH DISABILITIES ACT AND THE INTERNATIONAL BUILDING CODE.
 - ALL WELDS ON METAL STAIRS ARE TO BE GROUND SMOOTH.
 - PRIME AND PAINT ALL EXPOSED STEEL OF METAL STAIRS AND RAILS.
 - FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
 - AT ALL TRANSITIONS WITH THE FLOOR, PROVIDE ESCUTCHEONS OF THE SAME MATERIAL FOR CRAFTED APPEARANCE.
 - ALL RAILING COMPOSITIONS ARE TO BE EQUALLY SPACED ALONG A CONTINUOUS RUN. THE COMPOSITIONS ARE TO BE CENTERED WITHIN EACH PANEL-TYP.
 - SEE PLANS FOR ADDITIONAL INFO.

WALL MOUNTED HANDRAIL SECTION AT WALL
SCALE: 6" = 1'-0"



- NOTES:
- 1 1/2" PIPE RAIL 1 1/2" FROM FACE OF WALL AND ATTACHED WITH PLATE ESCUTCHEONS AT 4'-0" OC MAX.
- 1 1/2" DIAMETER STEEL PIPE HANDRAIL SHAPED AS SHOWN. GRIND ALL WELDS. PRIME AND PAINT ALL SURFACES.
- CORE DRILL SLEEVES INTO SLAB.



RAMP AND STAIR
SCALE: 1/4" = 1'-0"

NO.	FIXTURE	WASTE	C.W.	H.W.	REMARKS
P1	MOP BASIN	3"	1/2"	1/2"	FL. MTD. CORNER TYPE
P2	SPLIT LEVEL EWC	1 1/2"	1/2"	---	WALL HUNG - HIGH/LOW
P3	TANKLESS WATER HEATER	---	1/2"	1/2"	3.6 KW - 120V., 1PH., 60HZ. - W/ INTEGRAL DISCONNECT - SEE SPECS

GENERAL PLUMBING NOTES

- ## LEGEND

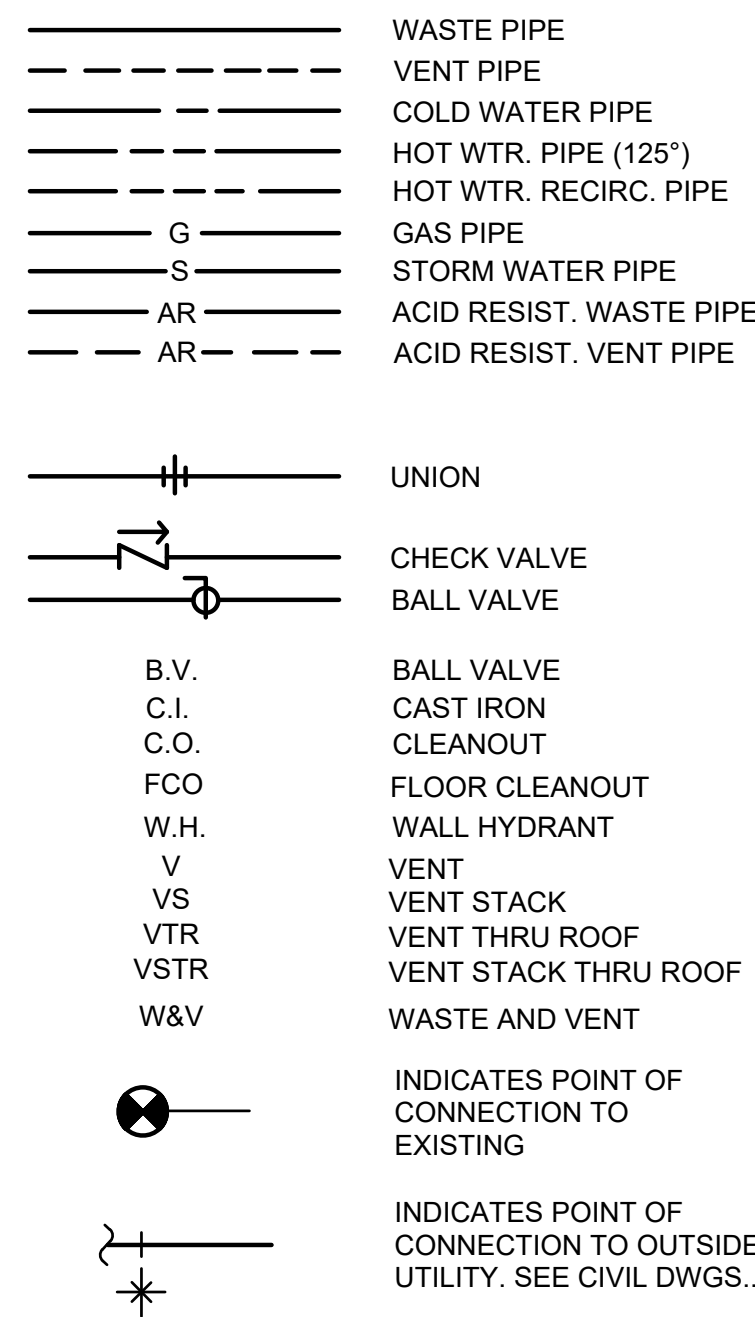


Diagram illustrating the components and assembly of a pipe clamp:

- THREADED ROD - SEE SPECS FOR SIZES AND LENGTH LIMITATIONS
- PROVIDE PIPE CLAMP AT EVERY UNISTRUT SUPPORT - SIZE TO FIT OVER PIPE INSULATION SHIELD
- COATED GALVANIZED UNISTRUT
- PIPING
- POLYISOCYANURATE INSULATION - BUCKAROOS 3300-LT OR EQUIV. - SEE SPECS FOR DETAILS
- 360° GALVANIZED PIPE SHIELD COMPLETELY SURROUNDING PIPE TO PREVENT THE COMPRESSING OF PIPE INSULATION WHEN TIGHTENING CLAMP

NO SCALE

WALL/PARTITION - SEE ARCH. PLANS FOR TYPE

ESCUTCHEON

FIRESTOP/SLEEVE ASSEMBLY - REFER TO SECTION 15010 FOR FIRESTOPPING AND SLEEVE REQUIREMENTS

PIPING INSULATION WHERE SPECIFIED

SEALANT

FIRESTOP ASSEMBLY OR PACKING AS SPECIFIED

FIRESTOP/SLEEVE ASSEMBLY - EXTEND MIN. 1" ON BOTH SIDES OF WALL/PARTITION ASSEMBLY OR AS REQUIRED BY FIRESTOP ASSEMBLY MANUFACTURER WHEN NO ESCUTCHEON IS REQUIRED

NOT TO SCALE

Diagram illustrating the assembly of a pipe clamp and insulation system. The components labeled are:

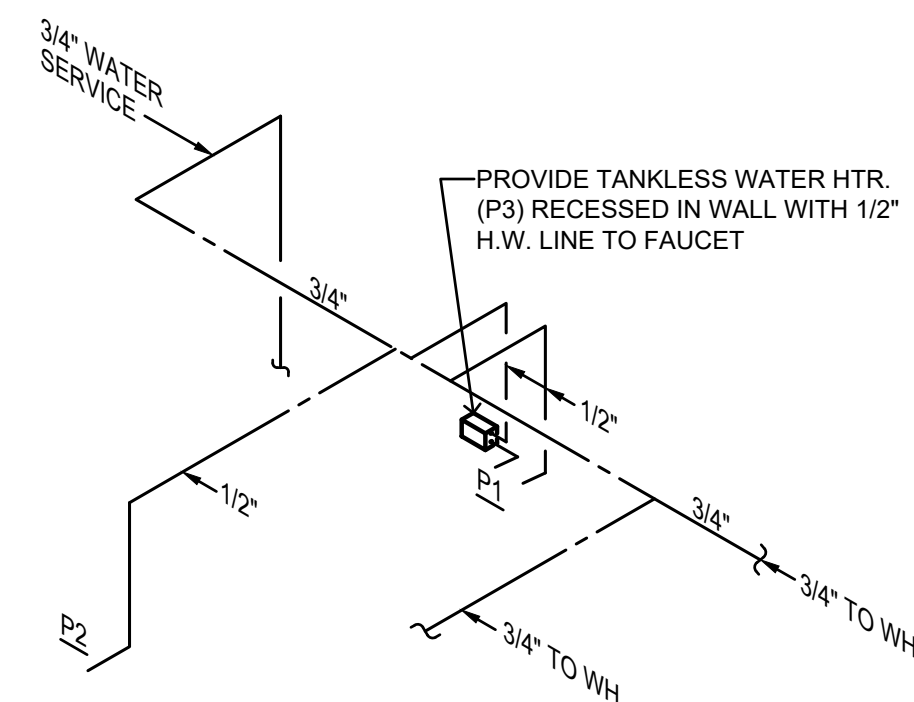
- PIPE CLAMP SIZE TO FIT OVER PIPE INSULATION
- SECURE PIPE CLAMP TO STRUTURE
- PIPING
- BATT INSULATION
- POLYISOCYANURATE INSULATION - BUCKAROOS 3300-LT OR EQUIV. - SEE SPECS FOR DETAILS
- PROTECTIVE SHIELD. SEE SPECS..

Diagram illustrating the components of a protective shield assembly:

- THREADED ROD - SEE SPECS FOR SIZES AND LENGTH LIMITATIONS
- COATED GALVANIZED HANGER
- POLYISOCYANURATE INSULATION - BUCKAROOS 3300-LT OR EQUIV. - SEE SPECS FOR DETAILS
- INTEGRAL PROTECTIVE SHIELD - SEE SPECS FOR REQUIREMENTS
- PIPE INSULATION- SEE SPECS
- PIPING

NO SCALE

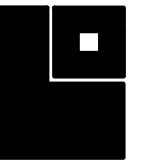
WASTE RISER WR-1



WATER RISER R-1



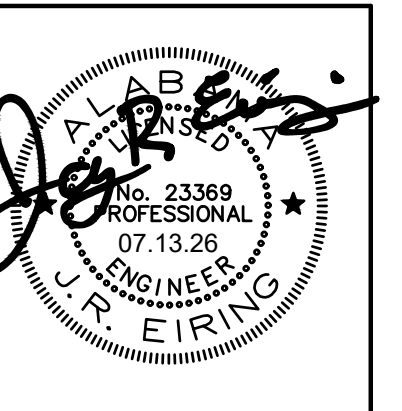
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LATHAN
■ McKEE
ARCHITECTS

FOR THE
SARALAND CITY SCHOOL DISTRICT
SARALAND, ALABAMA

SHEET TITLE:

PLBG. SCHEDULES,
DETAIL, NOTES AND
RISERS

07.13.2026

PROJ. MGR.: T. ZGOUVAS

DRAWN: C. WARD

DATE: 07.13.2026

REVISIONS

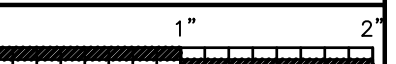
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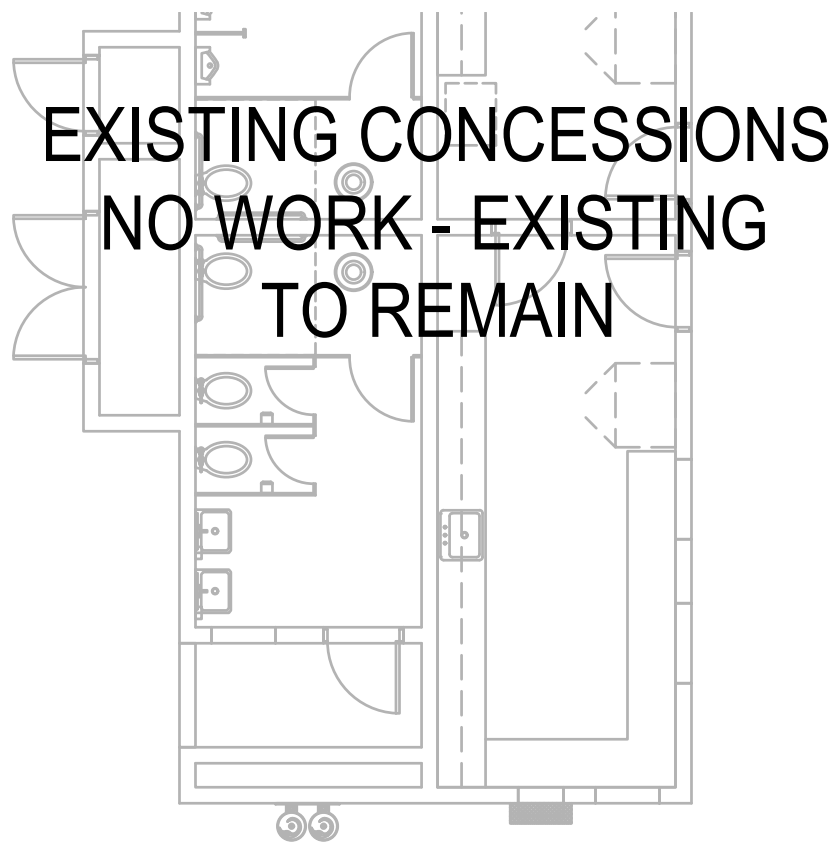
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JOB NO. 26-064

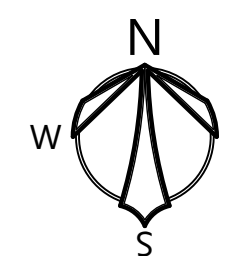
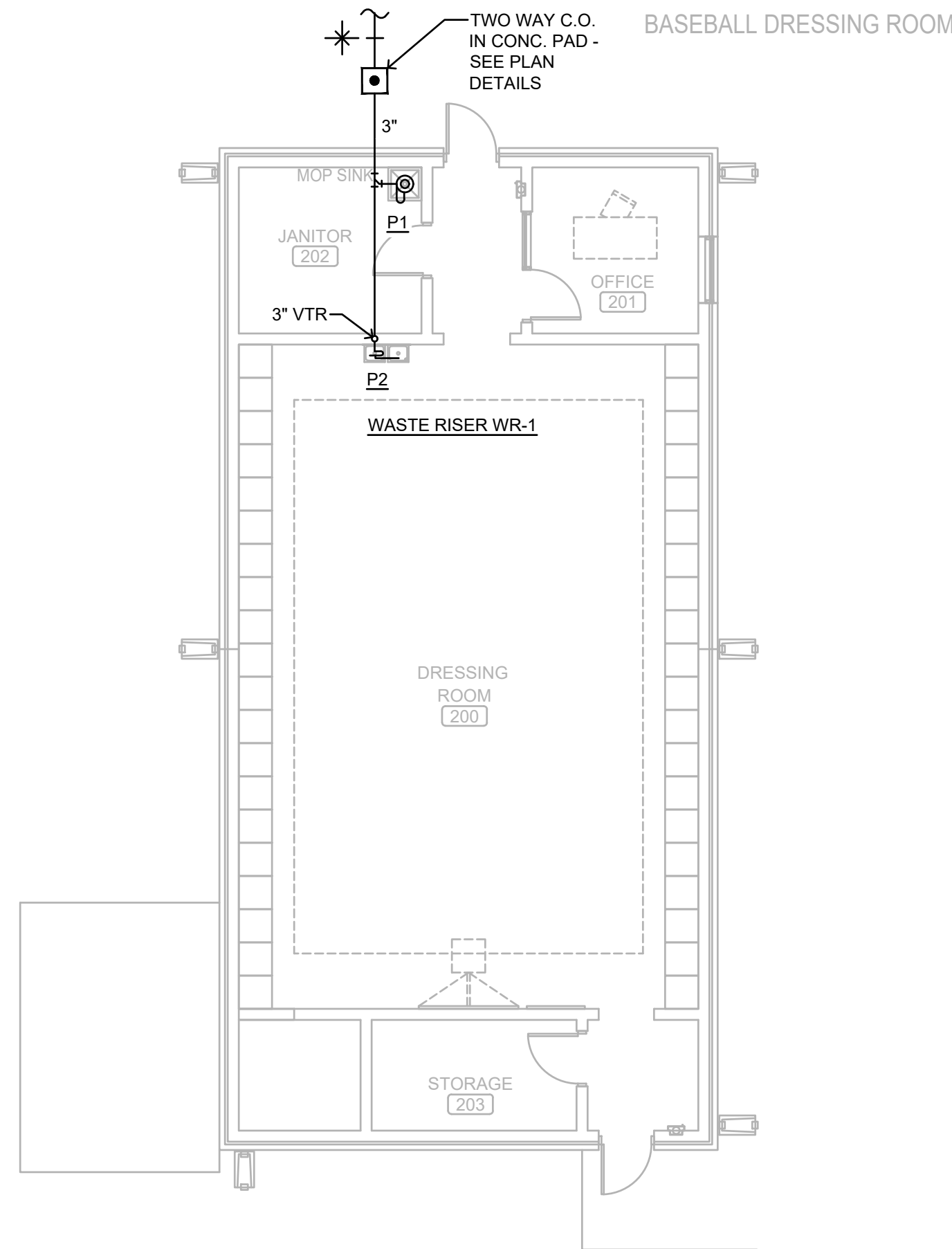
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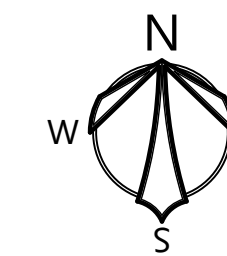
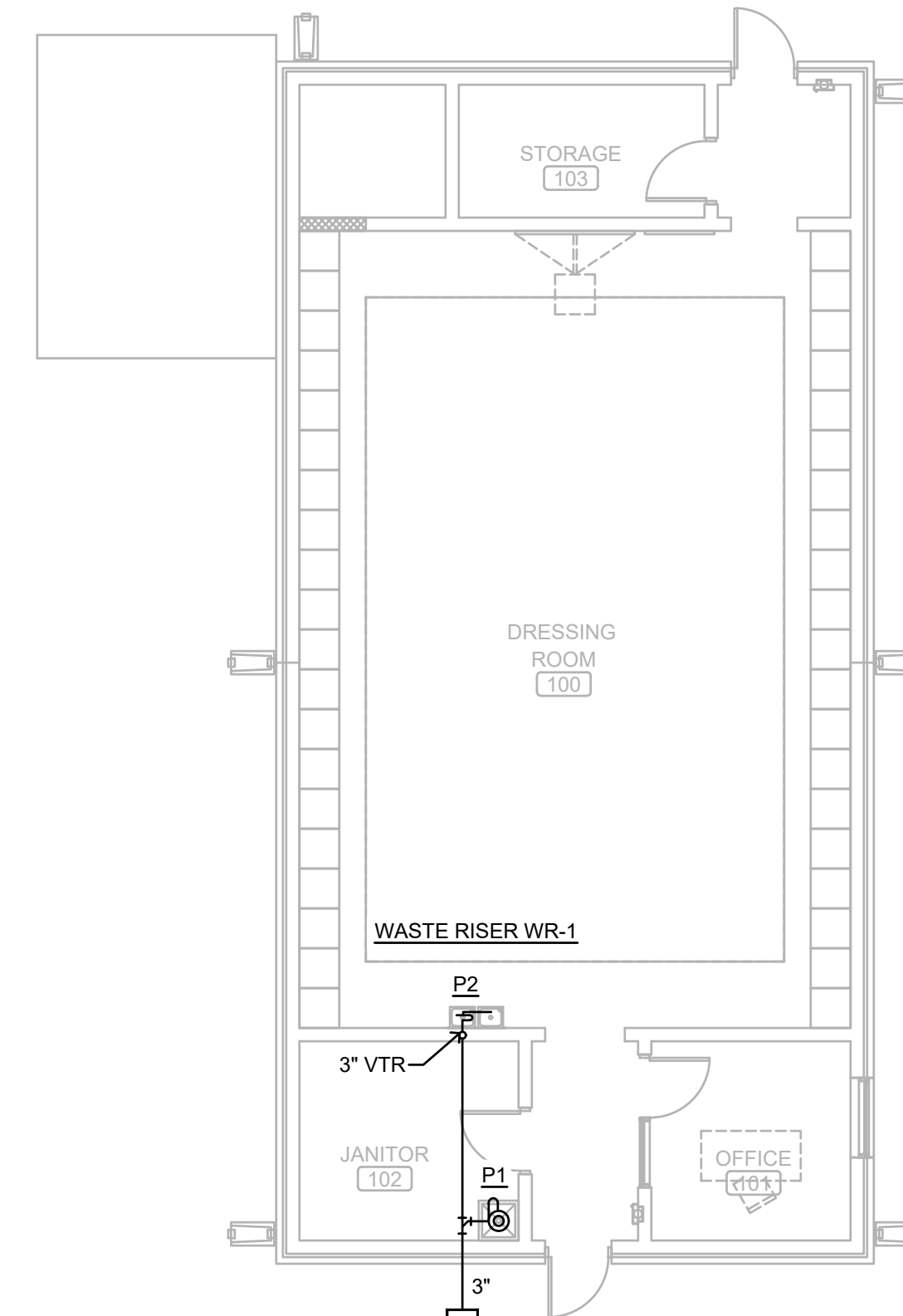
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NO WORK - EXISTING
TO REMAIN



SHOWING WASTE PIPING

PLBG. FLOOR PLAN - BASEBALL DRESSING

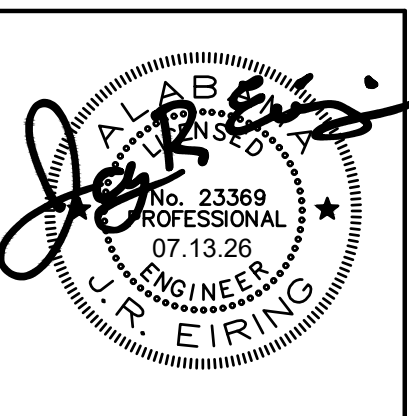
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SHOWING WASTE PIPING

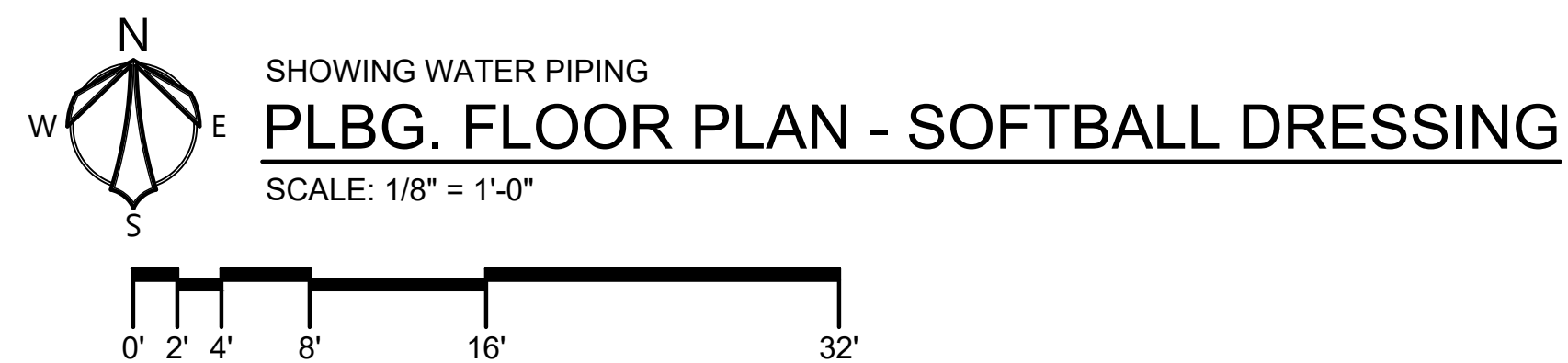
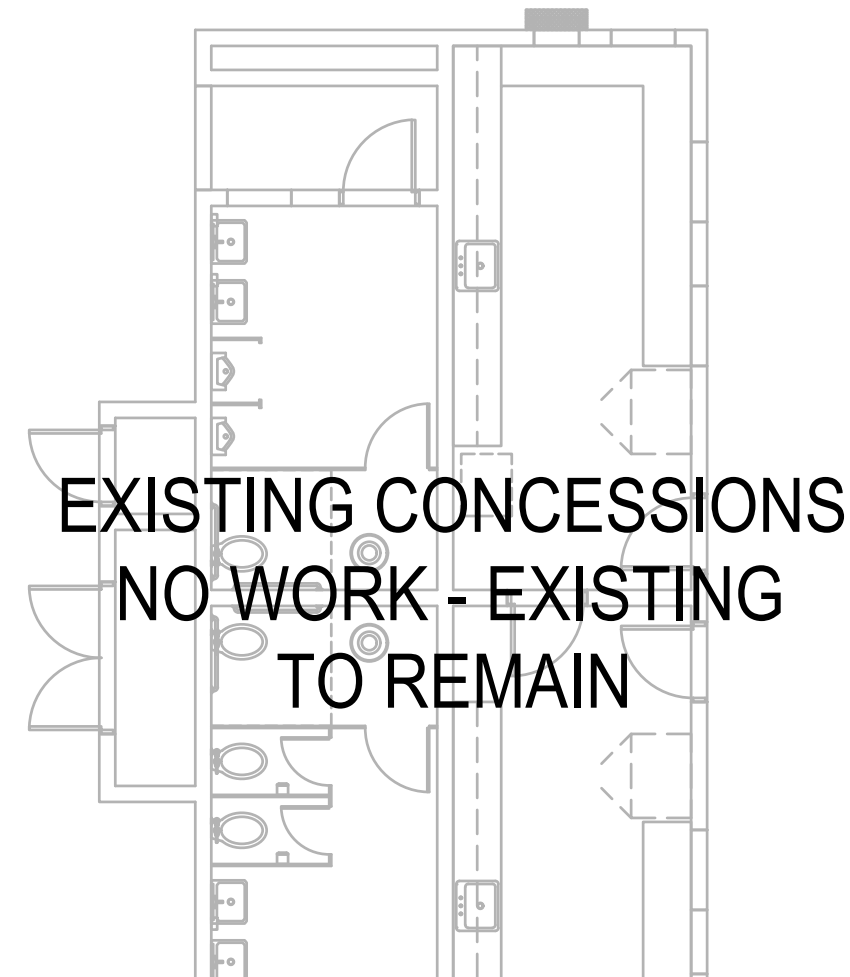
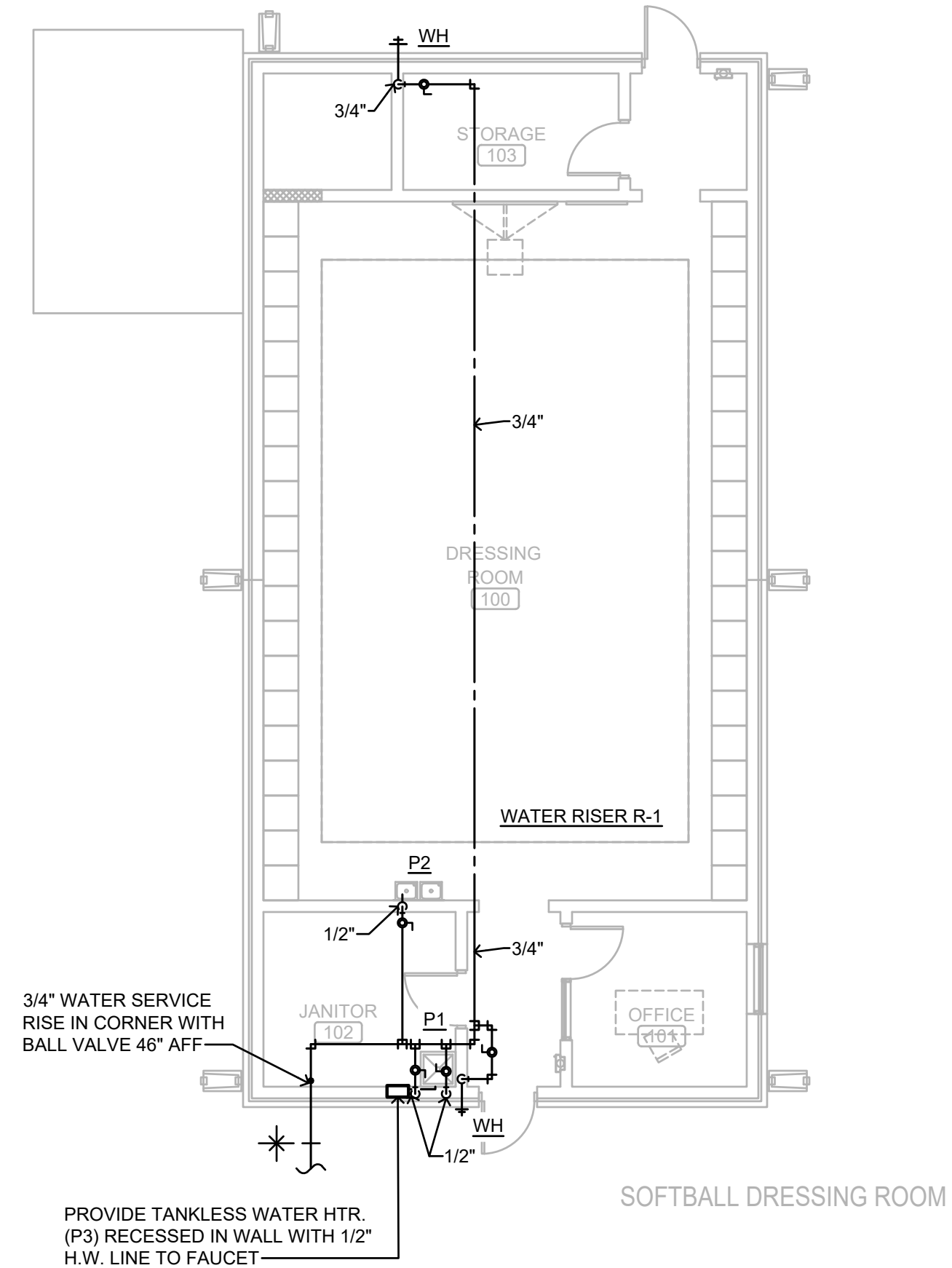
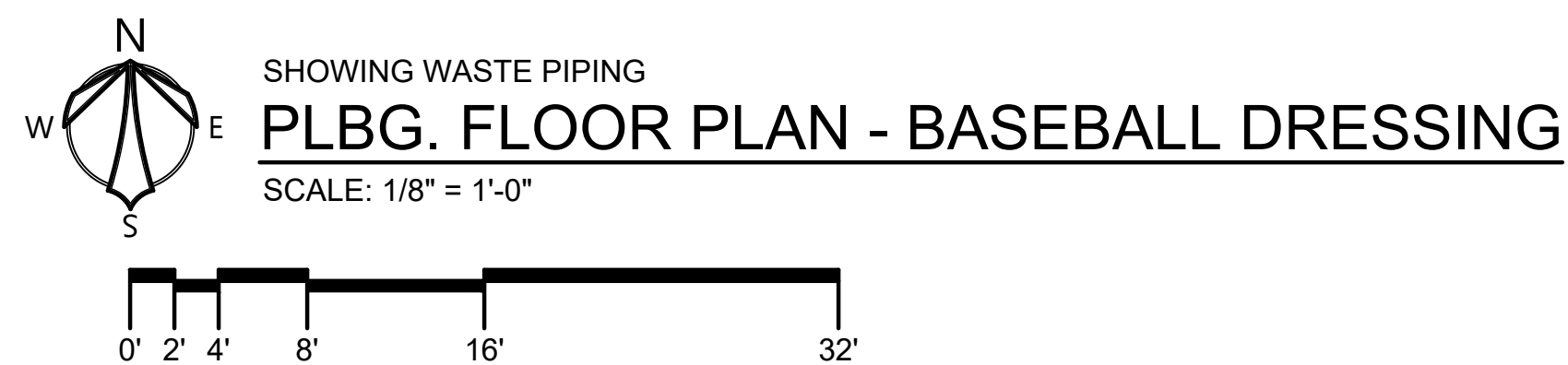
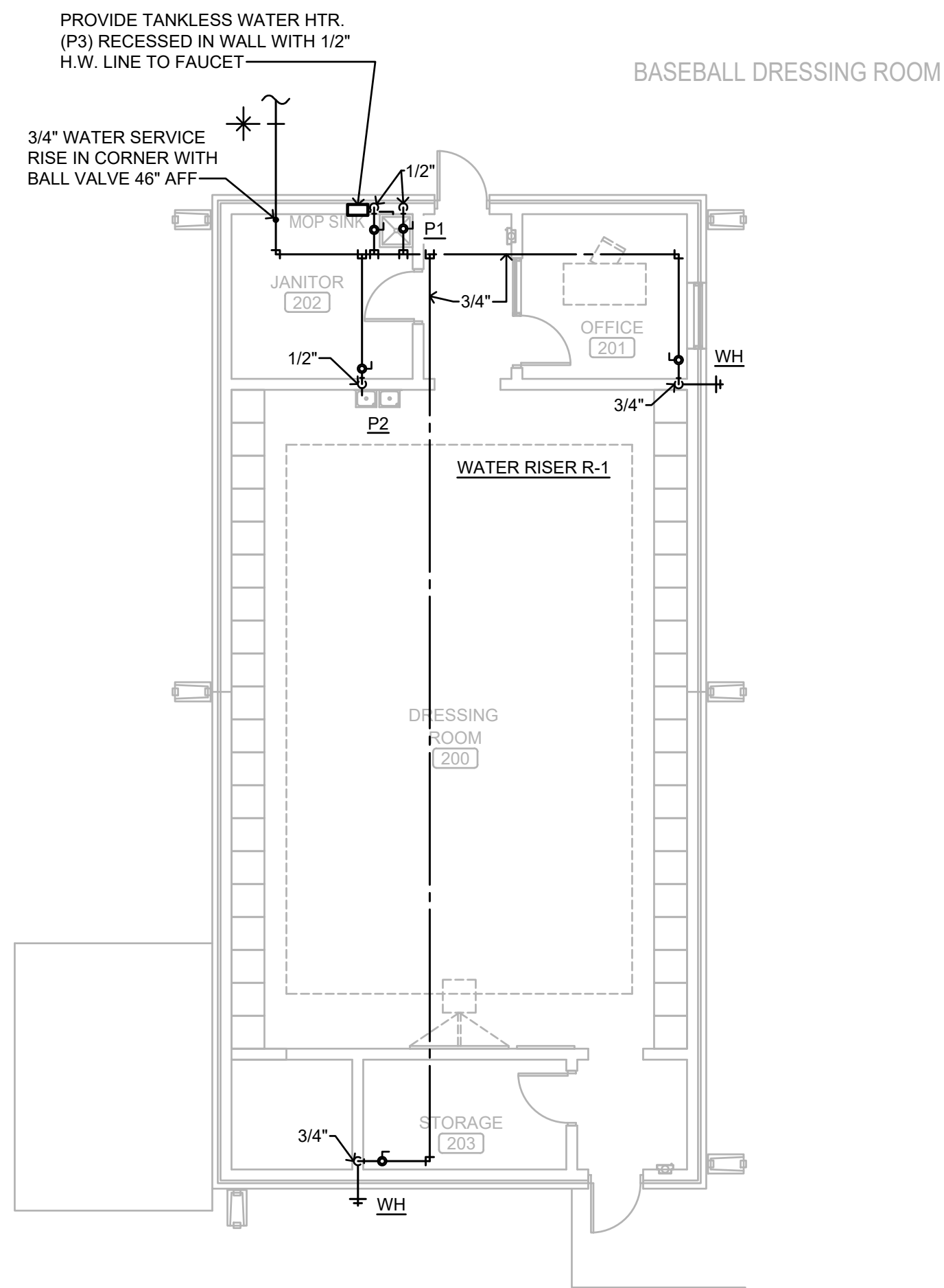
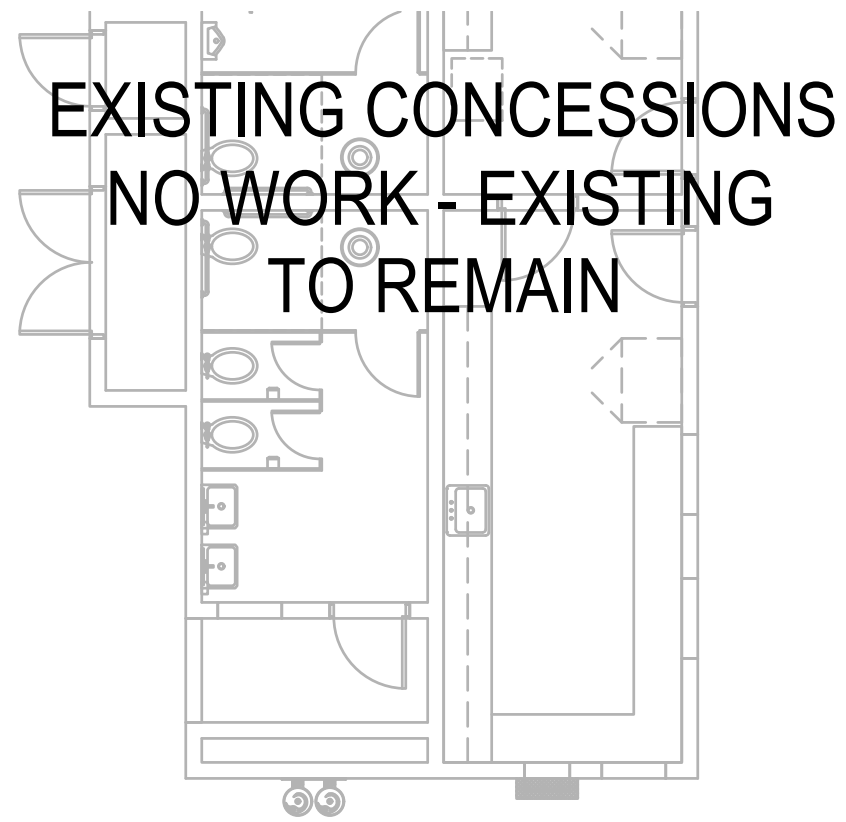
PLBG. FLOOR PLAN - SOFTBALL DRESSING

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

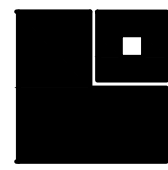


PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.13.2026
REVISIONS	

JOB NO.	26-064	
SHEET NO:	P3	
0	1"	2'



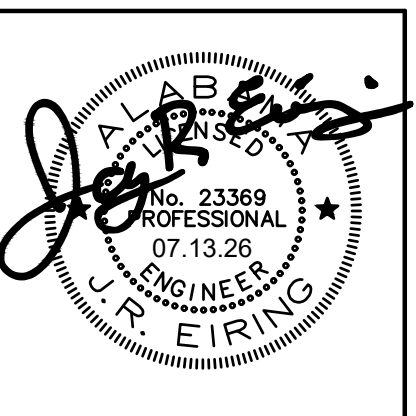
ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 26-119



LATHAN
McKEE
ARCHITECTS

NEW BASEBALL & SOFTBALL DRESSING ROOMS FOR
SARALAND HIGH SCHOOL
FOR THE
SARALAND CITY SCHOOL DISTRICT
SARALAND, ALABAMA

SHEET TITLE:
HVAC FLOOR PLANS
& SECTIONS

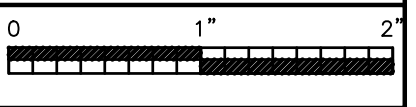


07.13.2026
PROJ. MGR.: T. ZGOUVAS
DRAWN: C. WARD
DATE: 07.13.2026
REVISIONS

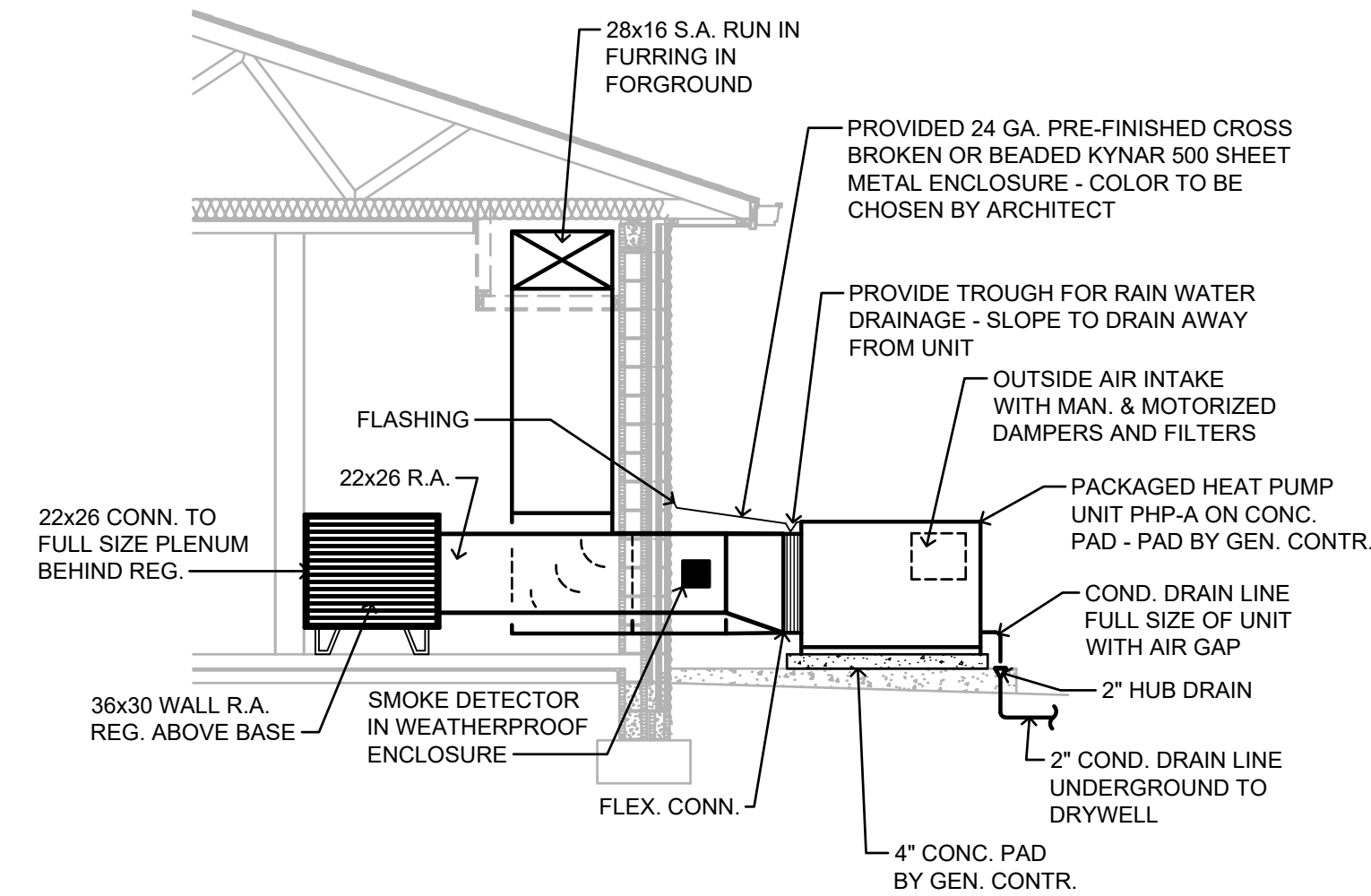
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SHEET NO:

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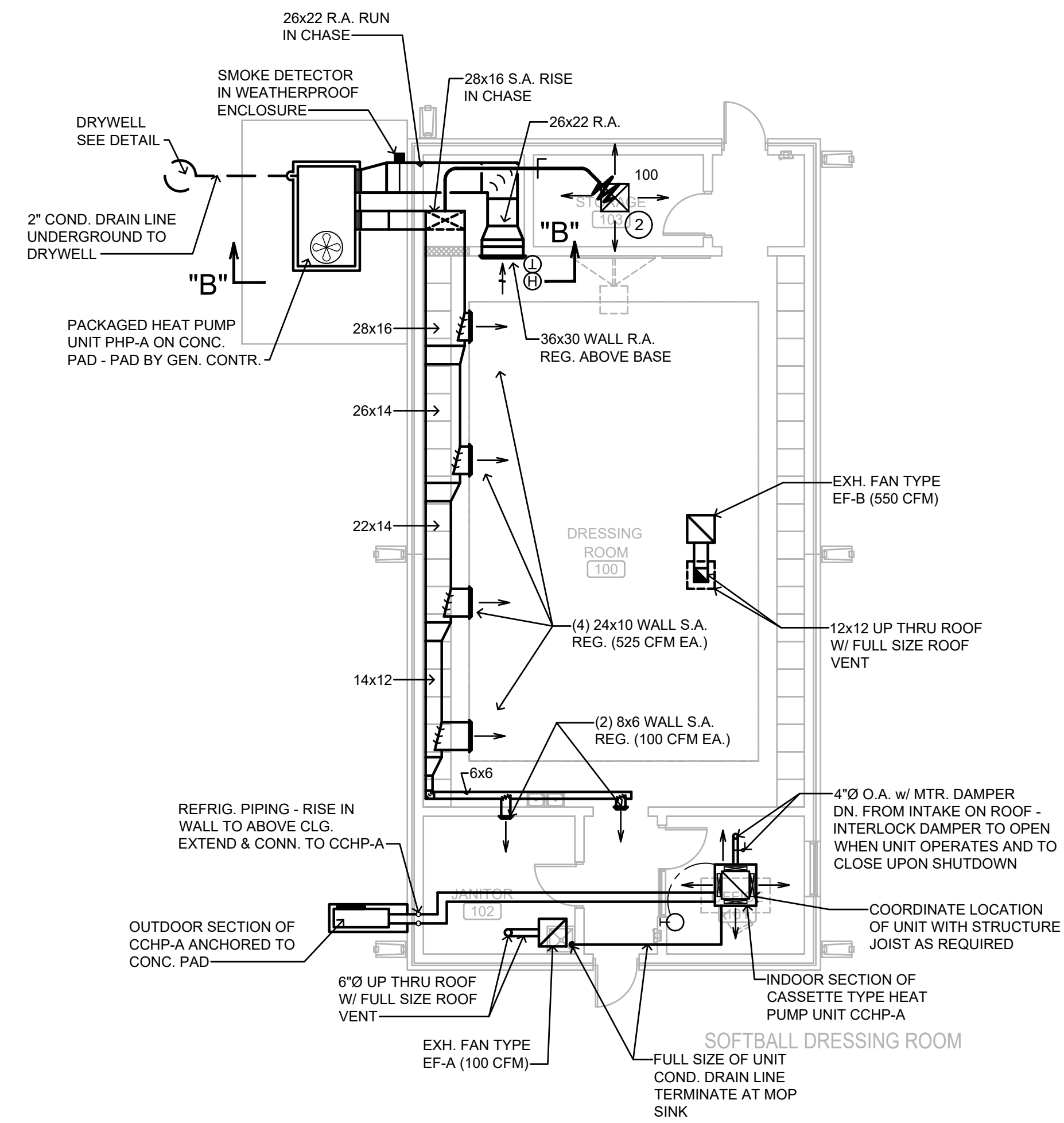
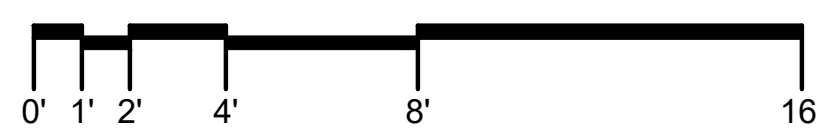


EXISTING CONCESSIONS
NO WORK - EXISTING
TO REMAIN

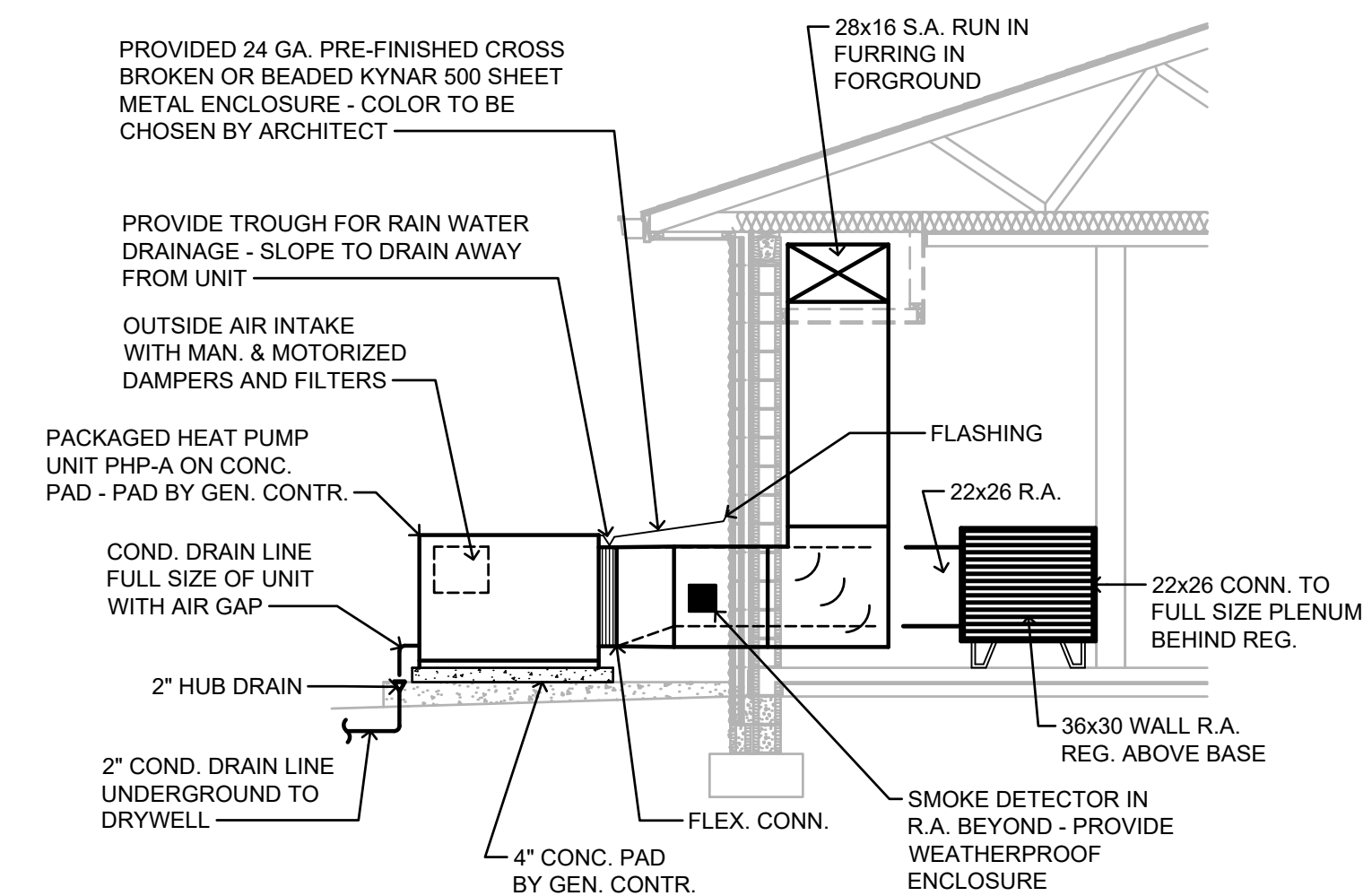


SECTION "A"

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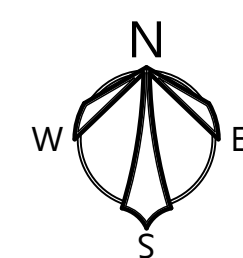
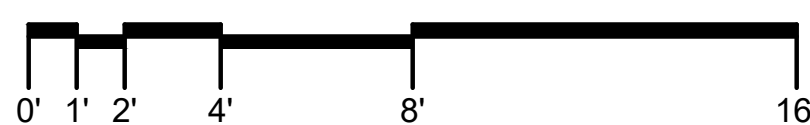


EXISTING CONCESSIONS
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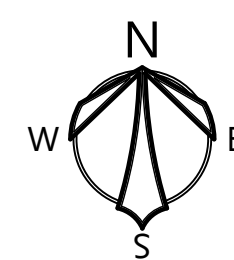
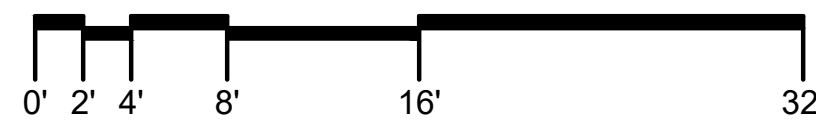
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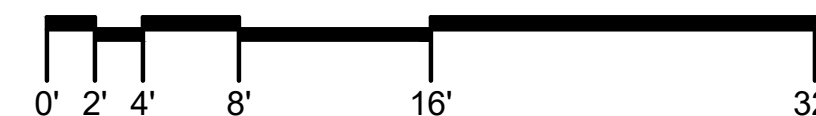
HVAC FLOOR PLAN - BASEBALL DRESSING ROOM

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



HVAC FLOOR PLAN - SOFTBALL DRESSING ROOM

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



ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 26-119

HIGH EFFICIENCY PACKAGED PAD MOUNTED HEAT PUMP UNITS SCHEDULE

UNIT TYPE	PHP-A
MINIMUM TOTAL SUPPLY AIR CFM	2,400
MINIMUM OUTSIDE AIR SETPOINT/MAX. CO2 SETPOINT/MAX. O.A. (ECONOMIZER) CFM	650 / N/A / N/A
APPROXIMATE EXTERNAL STATIC PRESSURE - IN. WATER COLUMN	0.65
APPROXIMATE INDOOR ECM FAN MOTOR HP-POWER	3HP-480V., 3PH., 60HZ.
MINIMUM TOTAL COOLING CAPACITY AT AHRI CONDITIONS-BTU/HR	72,000
MINIMUM HEATING CAPACITY (COMPRESSOR ONLY) AT 70°F	
INDOOR TEMPERATURE AND 47°F OUTDOOR TEMPERATURE-BTU/HR	50,000
MINIMUM AUXILIARY ELECTRIC RESISTANCE HEAT - KW	18.0
NUMBER OF CONTROL STEPS	TWO
POWER	480V., 3PH., 60HZ.
APPROXIMATE COMPRESSOR MOTOR(S) F.L.A. - POWER	13.0 - 480V., 3PH., 60HZ.
APPROXIMATE OUTDOOR SECTION FAN MOTOR(S) F.L.A. - POWER	4.0 - 480V., 1PH., 60HZ.
MINIMUM ENERGY EFFICIENCY RATING AT AHRI CONDITIONS	12.8 EER
MINIMUM COP	3.7
APPROXIMATE MCA	48.0
APPROXIMATE MOCp	50.0

NOTES:

- EACH UNIT MUST BE FACTORY WIRED FOR SINGLE POINT POWER CONNECTION.
- 480 VOLT, 3 PHASE POWER IS BEING PROVIDED BY ELECTRICAL TO THE INDOOR HEAT PUMP UNIT SECTIONS. UNIT MANUFACTURER SHALL PROVIDE FACTORY INSTALLED RELAYS, TRANSFORMERS, ETC., AS REQUIRED TO OPERATE EQUIPMENT AT POWER REQUIREMENTS SPECIFIED ABOVE.
- EER RATINGS BASED ON AHRI 340/360
- COP RATING BASED ON AHRI 340/360 AT 47°F DB/43°F WB
- UNIT MUST BE PROVIDED WITH A REFRIGERANT HOT GAS REHEAT COIL, RELATED MODULATING HOT GAS REHEAT COIL VALVE AND LOCATED IN THE REHEAT POSITION. COIL SHALL BE PROVIDED COMPLETE WITH REFRIGERANT PIPING, PIPE INSULATION, VALVES, CONTROLS, ETC., ALL AS REQUIRED FOR HUMIDITY CONTROL. PROVIDE MANUAL REFRIGERANT ISOLATION VALVES FOR HOT GAS AND LIQUID LINES - FURNISH FOR APPROVAL DETAILED REFRIGERANT PIPING CONN. DIAGRAM AND CONTROL WIRING DIAGRAM - SEE SPECS FOR DETAILED REQUIREMENTS.
- UNIT MUST HAVE MINIMUM OF TWO COMPRESSORS, VARIABLE SPEED INVERTER COMPRESSOR OR 2-STAGES OF COOLING - SEE SPECS FOR DETAILED REQUIREMENTS.
- EACH UNIT MUST BE TRUE SINGLE ZONE VAV WITH VFD CONTROL OF THE SUPPLY FAN SUCH THAT THE FAN AIRFLOW WILL VARY AS A FUNCTION OF LOAD - SEE SPECS FOR DETAILED REQUIREMENTS.
- UNIT MUST BE HIGH EFFICIENCY TYPE - SEE SPECS FOR DETAILED REQUIREMENTS.
- UNIT MUST BE PROVIDED WITH REFRIGERANT LEAK DETECTION SYSTEM - SEE SPECS FOR DETAILED REQUIREMENTS.

CEILING DIFFUSER SCHEDULE						
SYMBOL	CFM RANGE	NECK SIZE INCHES	FACE SIZE INCHES	BRANCH DUCT SIZE	MAXIMUM NC VALUE	BASIS OF DESIGN
①	10 - 95	6" ROUND	24x24	6"Ø	20	TITUS TMS
②	100 - 180	8" ROUND	24x24	8"Ø	20	TITUS TMS

NOTES

- RUNOUTS/BRANCH DUCTS SHALL BE AS SCHEDULED ABOVE UNLESS NOTED OTHERWISE ON THE PLANS
- CONTRACTOR SHALL INSULATE THE EXTERIOR (BACK SIDE OF DIFFUSER PANEL) WITH 1" THICKNESS EXTERNAL DUCT INSULATION WITH CHARACTERISTICS SPECIFIED FOR EXTERNAL DUCT INSULATION.

PHP-A REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS																						
	Area	ClgHt	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Pers on	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable #/1000 cu ft	Actual #/1000 cu ft	Max Allowed in space
DRESSING ROOM 200 STORAGE 203 JAN 202	1100	8	8800	0	0	0.12	12.5	0	0	12.5	0.8	1	70	0.5	550	1600	0	0.083333				
	82	8	656																			
	110	8	880																			
Total			10336		0		12.5		0						620	1750		454b	24	3.1	2.321981	32.0416

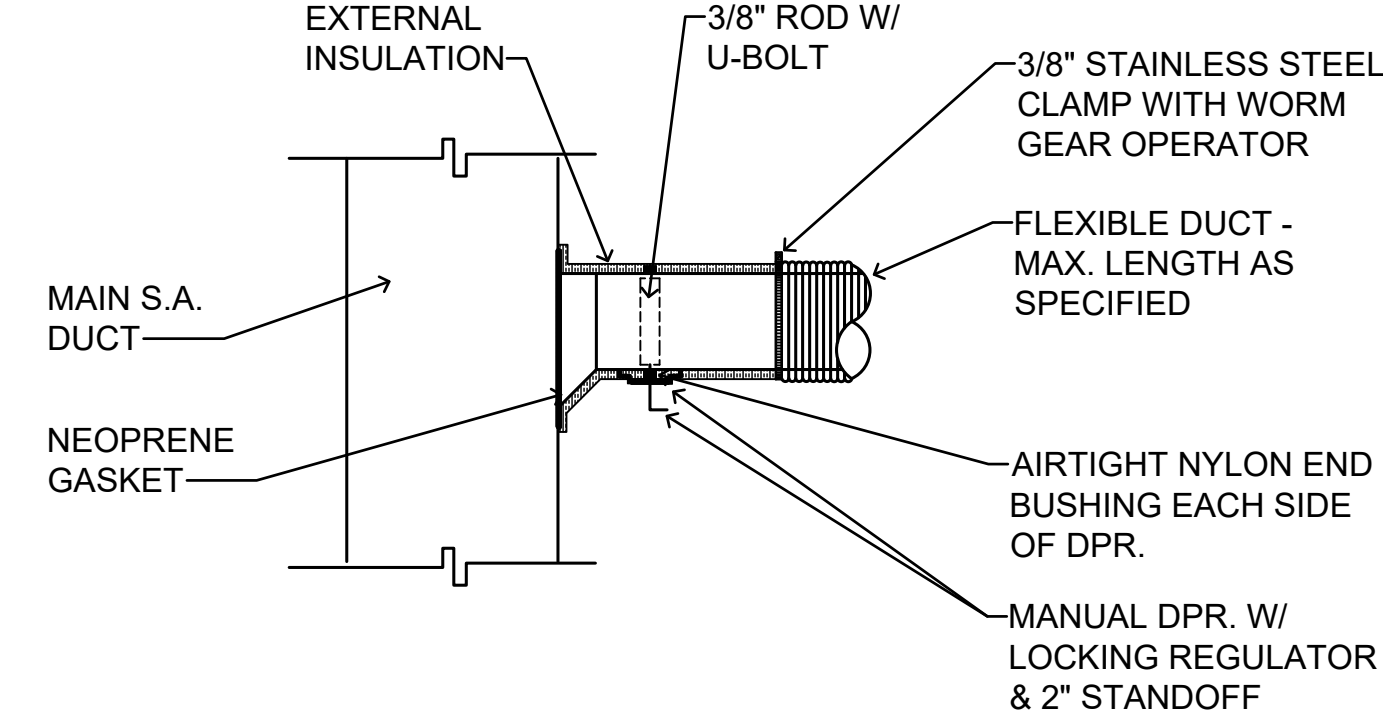
CCHP-A REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS																						
	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Pers on	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable #/1000 cu ft	Actual #/1000 cu ft	Max Allowed in space
OFFICE 201	100	8	800	5	1	0.06	7.5	5	6.25	13.75	0.8					350	0.039286					
Total			800		1		7.5		6.25						0	350		454b	12	3.1	15	2.48

FANS SCHEDULE

FAN TYPE	EF-A	EF-B
C.F.M.	100	550
MINIMUM FAN SIZE - INCHES	8.0	10.0
APPROX. FAN ROOF/WALL OPENING - INCHES	N/A	N/A
MAXIMUM FAN SPEED - RPM	1050	1050
APPROX. EXTERNAL STATIC PRESSURE - IN. OF WATER	.30	.30
MINIMUM FAN MOTOR H.P. - POWER	84 WATTS - 120V, 1PH., 60HZ.	275 WATTS - 120V, 1PH., 60HZ.
CONTROL INTERLOCK	LIGHTING CIRCUIT	LIGHTING CIRCUIT
DESCRIPTION	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM

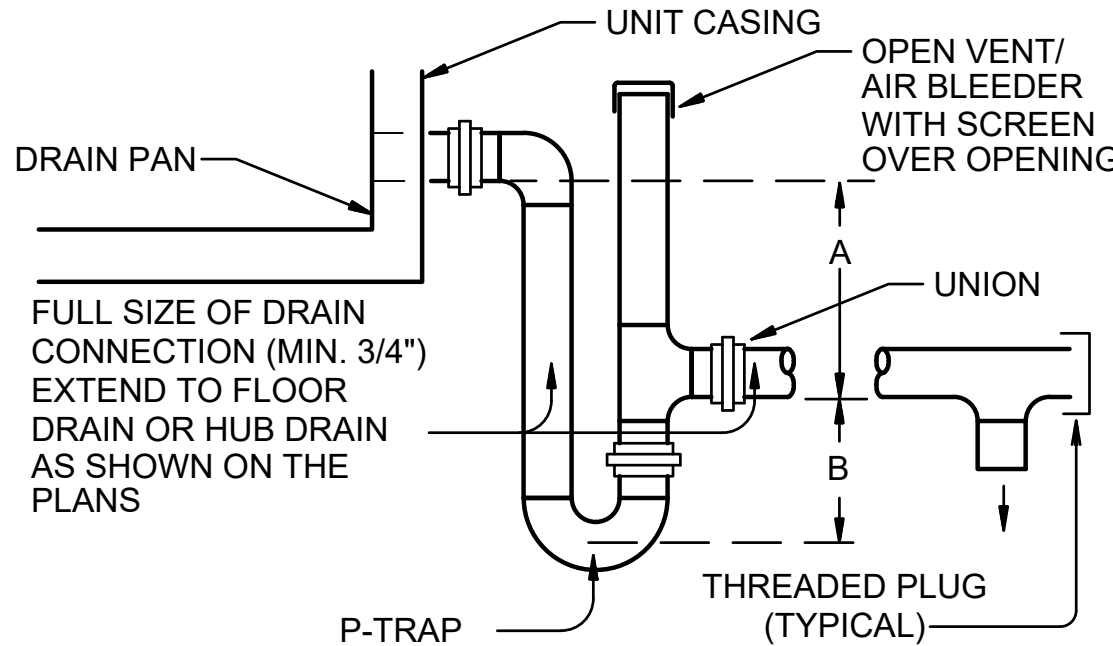
CEILING CASSETTE TYPE HEAT PUMP UNIT SCHEDULE

UNIT TYPE	CCHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	12,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 47°F AMBIENT - BTU/HR	14,000
INDOOR FAN CFM AT HIGH SPEED (WET COIL)	490
OUTSIDE AIR CFM	15
INDOOR UNIT MCA - POWER	1.5 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	11.0 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MOCp	28.0 A - 208 V., 1PH., 60HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	12.8
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	27.0



ROUND BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE
RECTANGULAR RUNOUTS SAME EXCEPT WITH RECTANGULAR DUCT



UNIT TYPE	A	B
DRAW-THRU	2" PLUS "X"	"X" PLUS 1"
BLOW-THRU	1" MINIMUM	2X PLUS 1"

WHERE "X" = UNIT STATIC PRESSURE

TYPICAL EVAPORATOR COIL

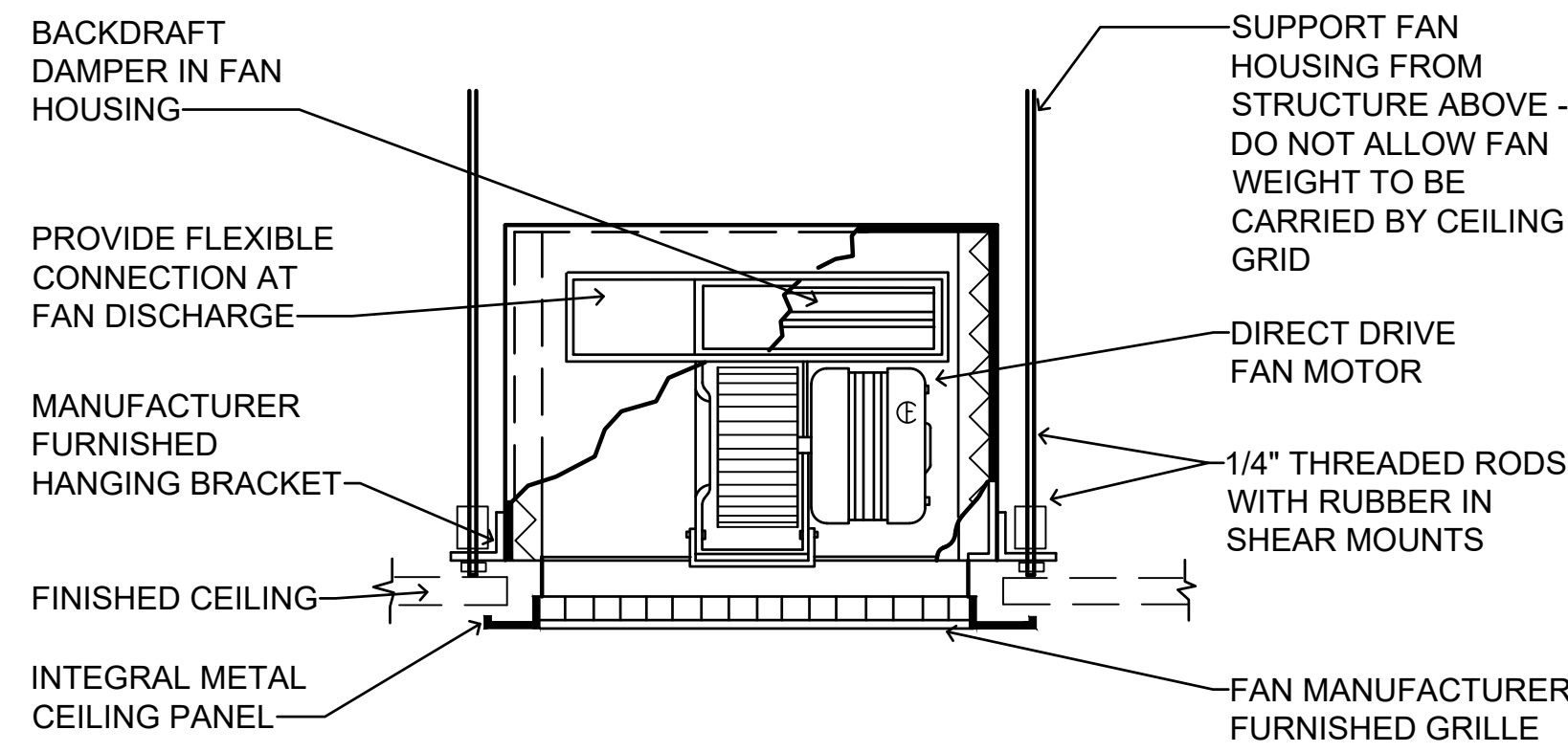
CONDENSATE DRAIN DETAIL

NOT TO SCALE

NOTES:

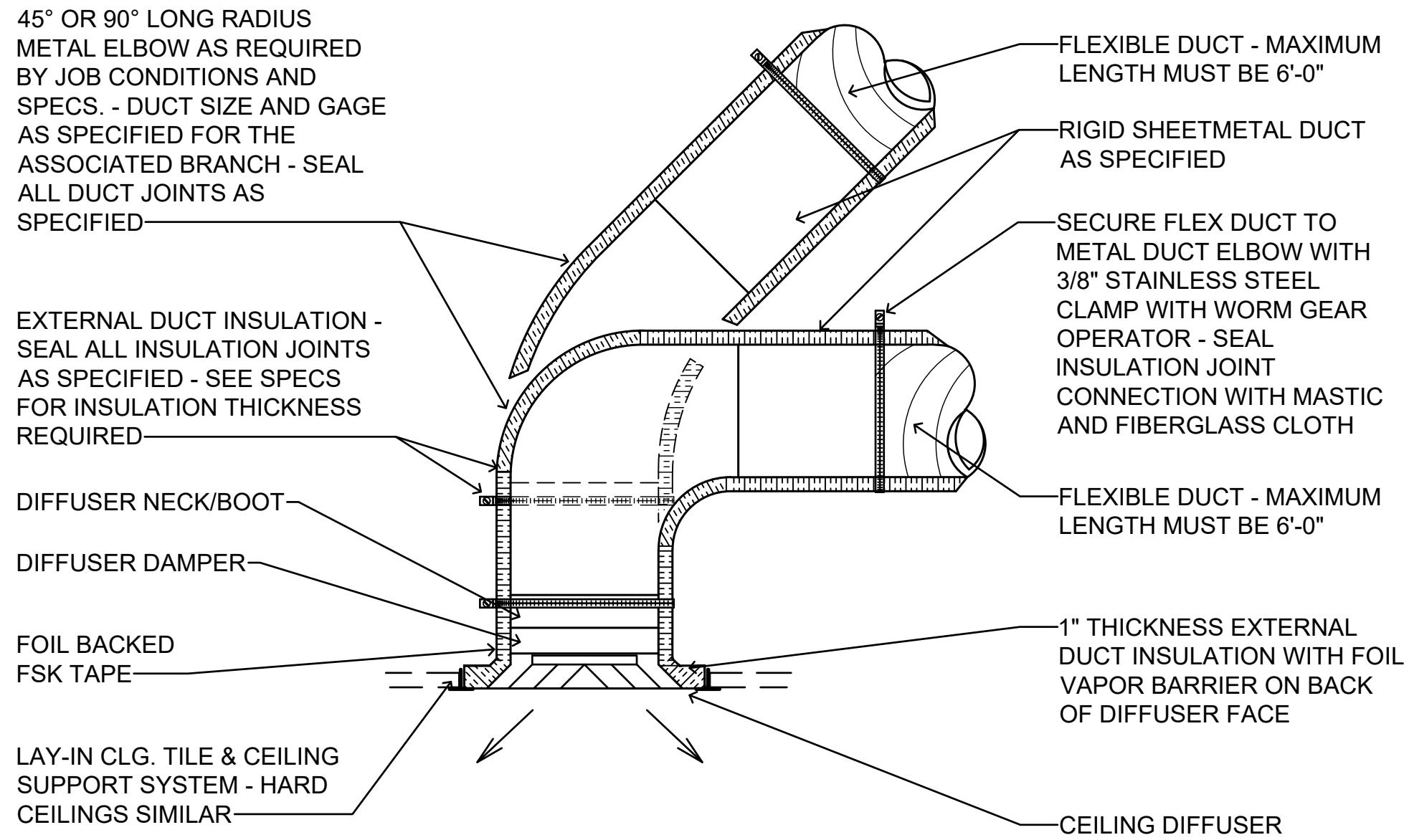
- CONTRACTOR SHALL PROVIDE DRAIN ARRANGEMENT AS REQUIRED BY THE UNIT MANUFACTURER. IN ABSENCE OF THOSE REQUIREMENTS, CONTRACTOR SHALL PROVIDE DRAIN AS DETAILED ABOVE.
- CONTRACTOR SHALL RAISE THE RESPECTIVE UNIT AS REQUIRED TO ALLOW FOR INSTALLATION OF THE DRAIN AS DETAILED ABOVE.
- PROVIDE AN ELECTRIC SWITCH IN THE AUXILIARY CONDENSATE DRAIN LINE ON THE UNIT, THAT CONFORMS TO UL 508 AND UL 2043 (AS APPLICABLE), TO SHUT DOWN THE UNIT AND ALARM TO THE BUILDING ENERGY MANAGEMENT SYSTEM (BAS) OPERATOR CONSOLE (IF APPLICABLE) SHOULD THE LINE BECOME OBSTRUCTED.
- PROVIDE UNIONS AT EACH CONDENSATE DRAIN LINE TRAP ASSEMBLY FOR ALL MINI-SPLIT SYSTEMS.
- DUCTLESS MINI-SPLIT EQUIPMENT THAT PRODUCES CONDENSATE SHALL BE PROVIDED WITH AN INLINE CHECK VALVE LOCATED IN THE DRAIN LINE OR A TRAP AS REQUIRED BY IMC 307.2.4.1.
- PER IMC 307.2.5, CONDENSATE DRAIN LINES SHALL BE CONFIGURED TO PERMIT THE CLEARING OF BLOCKAGES AND PERFORMANCE OF MAINTENANCE WITHOUT REQUIRING THE DRAIN LINE TO BE CUT.





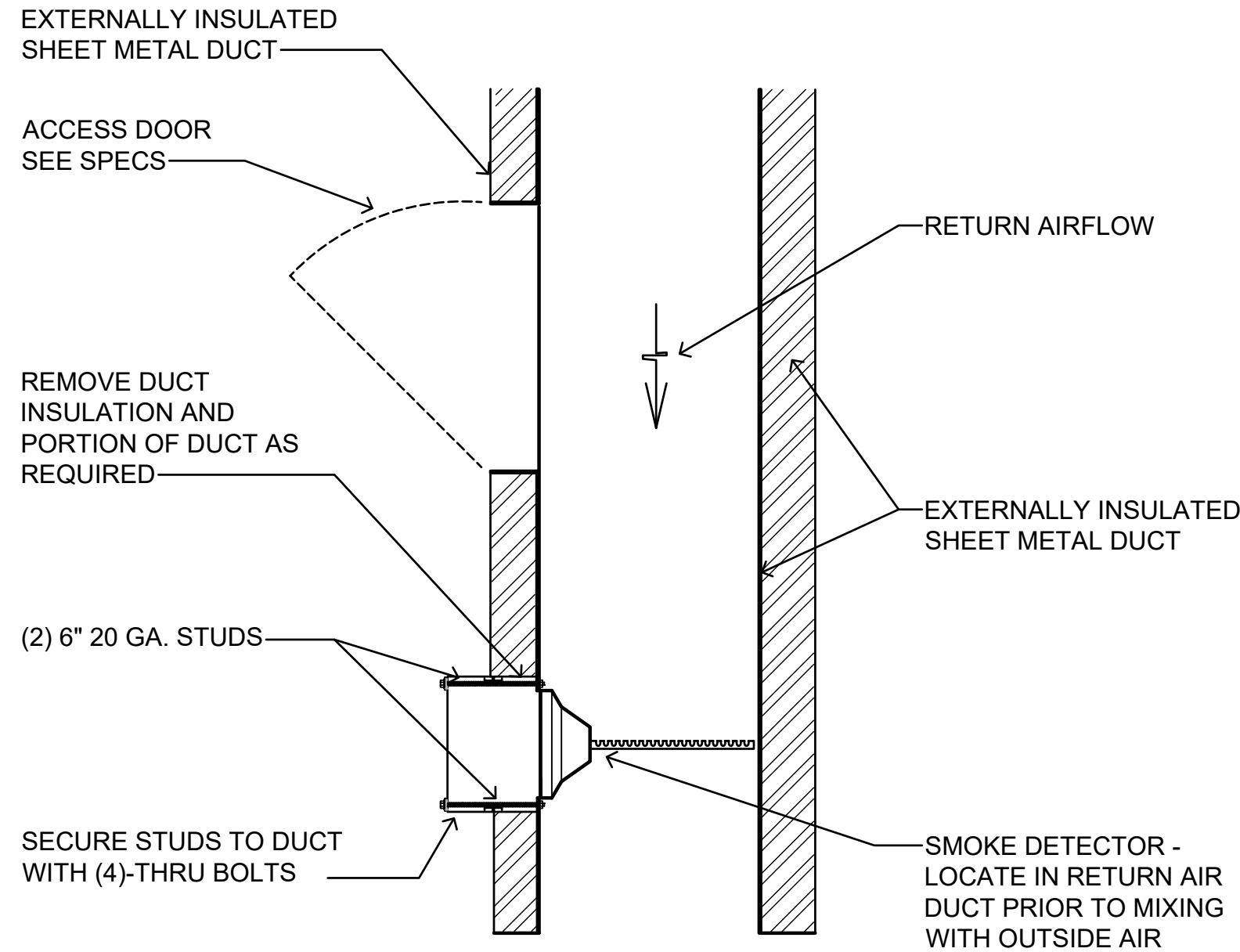
CEILING MOUNTED EXHAUST FAN CONN. DETAIL

NO SCALE
 PROVIDE BONDING JUMPER ACROSS FLEXIBLE CONNECTION AS SPECIFIED SECTION 15700, PARAGRAPH FLEXIBLE CONNECTIONS AND BONDING JUMPERS



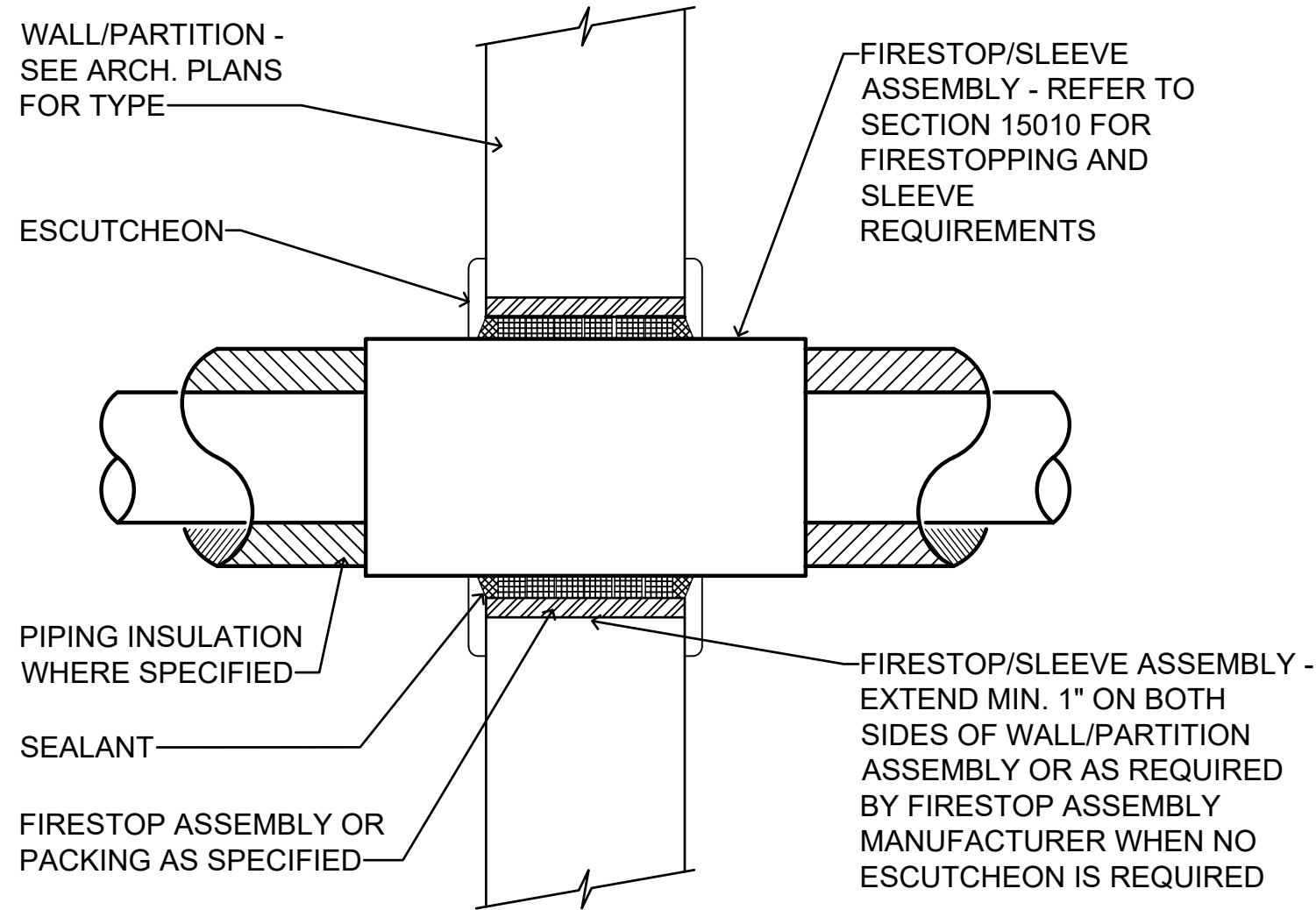
DIFFUSER BOOT/PLENUM CONNECTION DETAIL

- NOT TO SCALE
1. DIFFUSERS PANELS SHALL BE INSULATED PRIOR TO INSTALLING INTO THE CEILING GRID.
 2. DO NOT COVER STAINLESS STEEL BAND AND WORM GEAR OPERATOR UNTIL THE ENGINEER HAS INSPECTED THE INSTALLATION.



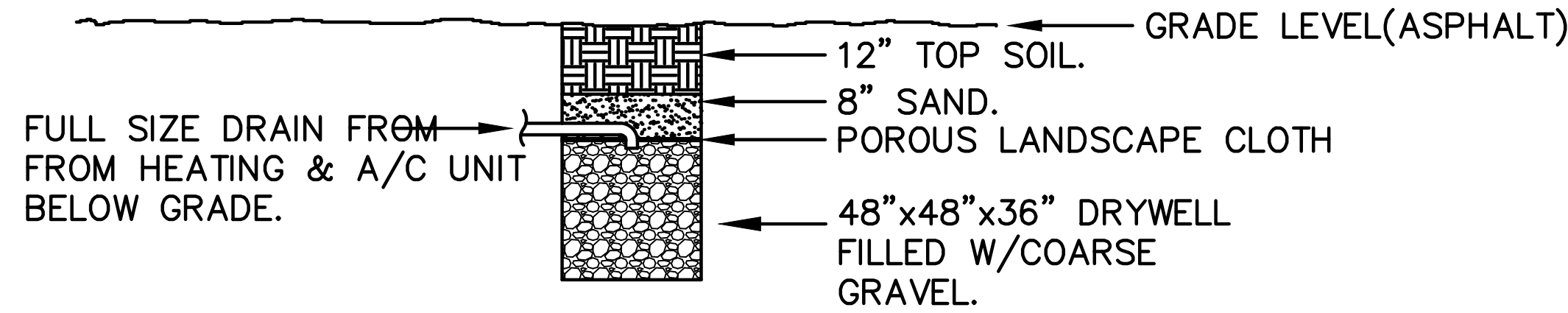
SMOKE DETECTOR MOUNTING DETAIL

NOT TO SCALE



INTERIOR WALL PIPING PENETRATION DETAIL

- NOT TO SCALE
- NOTES:
1. SEE SPEC SECTION 15010 FOR FIRESTOP AND SLEEVE REQUIREMENTS
 2. DETAIL APPLIES TO ALL PIPING.
 3. ONLY ONE PIPE PER ASSEMBLY ALLOWED.
 4. WHERE PIPING IS EXPOSED IN FINISHED AREAS, PROVIDE ESCUTCHEONS OVER PENETRATIONS AND DELETE REQUIREMENT FOR EXTENDING OF THE SLEEVE/FIRESTOP ASSEMBLY 1" ON EACH SIDE OF THE PARTITION. TERMINATE FLUSH WITH WALL. DO NOT USE SPLIT TYPE ESCUTCHEONS NOR SPLIT TYPE SLEEVES.



DRYWELL DETAIL

NO SCALE

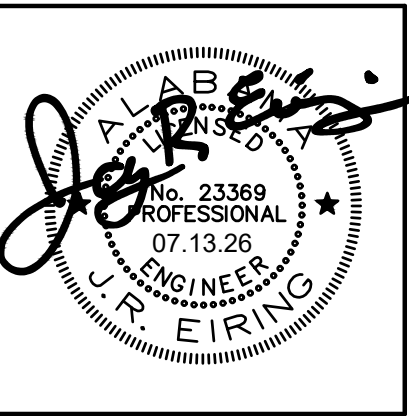
ZG
ZGOUVAS, EIRING & ASSOCIATES
 CONSULTING ENGINEERS
 800 S McDONOUGH STREET
 MONTGOMERY, AL. 36104
 334.263.4406
 ZEA PROJECT NUMBER 26-119

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LATHAN
McKEE
 ARCHITECTS

NEW BASEBALL & SOFTBALL DRESSING ROOMS FOR
SARALAND HIGH SCHOOL
 FOR THE
 SARALAND CITY SCHOOL DISTRICT
 SARALAND, ALABAMA

SHEET TITLE:
 HVAC DETAILS



07.13.2026
PROJ. MGR.: T. ZGOUVAS
DRAWN: C. WARD
DATE: 07.13.2026
REVISIONS

JOB NO. 26-064
 SHEET NO:

M3

0 1" 2'

ELECTRICAL LEGEND

CEILING OUTLETS

- LS SURFACE MOUNTED LED STRIP FIXTURE MARK "LS" CIRCUIT No. 2 TYPICAL
- BATTERY OPERATED EMERGENCY WALL PACK MOUNTED ON CEILING
- JUNCTION BOX
- EXHAUST FAN

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- SM2 MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 20 AMP, 250 VOLT, DOUBLE POLE SINGLE THROW

WALL OUTLETS

NOTE: ALL 120V RECEPTACLES ON THIS PROJECT SHALL BE TAMPER PROOF TYPE WHERE REQUIRED BY THE NATIONAL ELECTRIC CODE.

- WALL MOUNTED EXIT LIGHT
- WALL MOUNTED LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE "EMERGENCY POWER"
- BATTERY OPERATED EMERGENCY WALL PACK
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. COORDINATE MOUNTING HEIGHT WITH ARCH. AND MOUNT ADJACENT TO TELEVISION OUTLET
- QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE; OUTLET BOX HOODS SHALL BE IDENTIFIED AS "EXTRA-DUTY"
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 3 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- PHOTOCELL; TORK MODEL 5231 (120V), TWIST RECEPTACLE: TORK 2421.

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GROUND
- RUN CONCEALED IN CEILING OR WALLS
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 3/4" C; 3 #12, 1 #12 GROUND - 3/4" C; 4 #12, 1 #12 GROUND - 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #10, 1 #10 GROUND - 3/4" C; 3 #10, 1 #10 GROUND - 3/4" C; 4 #10, 1 #10 GROUND - 1" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #8, 1 #10 GROUND - 1" C; 3 #8, 1 #10 GROUND - 1" C; 4 #8, 1 #10 GROUND - 1 1/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN, THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 - NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
- EMPTY CONDUIT WITH PULLWIRE, RUN CONCEALED IN CEILING OR WALLS

COMMUNICATION SYSTEMS

- WALL OUTLET - FOR TYPICAL UNITS-SEE DETAIL 3/E4.2
- TELEPHONE BACKBOARD - 3/4" EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN
- COMMUNICATIONS FLOOR RACK - SEE DETAILS SHEET E4.1.
- CEILING OUTLET FOR WIRELESS INTERNET - SEE DETAILS SHEET E4.2.
- SECURITY CAMERA - SEE DETAILS SHEET E4.2.

LIGHTING CONTROLS

- CEILING MOUNTED OCCUPANCY SENSOR
- ROOM CONTROLLER - 1 ZONE DIMMING
- WALL DIMMER - ON/OFF & 0-10V 1-ZONE DIMMING
- OCCUPANCY SENSOR WALL SWITCH, ULTRASONIC TECHNOLOGY, 1-BUTTON SIMILAR TO HUBBELL LIGHT HAWK 2
- OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, ON/OFF & 0-10V 1-ZONE DIMMING.

*COORDINATE WITH LIGHTING CONTROL DETAILS FOR MORE REQUIREMENTS

PANELS AND POWER

- PANELBOARD
- PANELBOARD FLUSH MOUNTED
- CONTROL PANEL
- FUSIBLE DISCONNECT SWITCH: XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING; FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS
- MOTOR FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL CONTRACTOR; '5' INDICATES HORSE POWER RATING
- CIRCUIT BREAKER
- TRANSFORMER
- ELECTRIC METER
- GROUNDING ELECTRODE CONNECTION
- GROUND BUS

MISCELLANEOUS EQUIPMENT

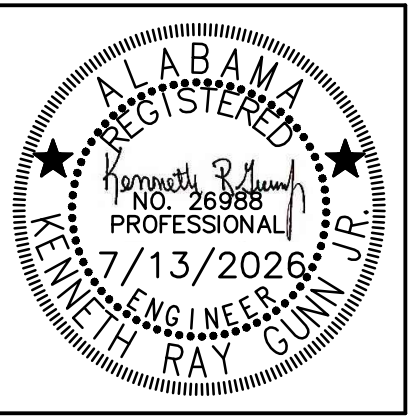
- CONTACTOR
- TIME CLOCK
- THERMOSTAT

MISCELLANEOUS

- AMPERE
- AMERICANS WITH DISABILITIES ACT
- ABOVE FINISH FLOOR
- AMPERE INTERRUPTING CAPACITY
- AUTOMATIC TRANSFER SWITCH
- CONDUIT
- CENTER LINE
- COLD WATER PIPE
- EMERGENCY
- ELECTRIC METALLIC TUBING
- GROUND FAULT INTERRUPTER
- GALVANIZED RIGID METAL CONDUIT
- GROUND
- MAIN CIRCUIT BREAKER
- MOTOR CONTROL CENTER
- MAIN LUGS ONLY
- MOUNT
- NEUTRAL
- NOT IN CONTRACT
- NATIONAL ELECTRICAL CODE
- NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
- NATIONAL FIRE PROTECTION ASSOCIATION
- NIGHT LIGHT
- NOT TO SCALE
- POLE
- POWER FACTOR
- PHASE
- PANEL
- PVC (POLYVINYL CHLORIDE) CONDUIT
- SINGLE LINE DIAGRAM
- TELEPHONE BACKBOARD
- TRANSIENT VOLTAGE SURGE SUPPRESSORS
- UNDERWRITER'S LABORATORY
- UNLESS NOTED OTHERWISE
- VOLTAGE
- WIRE
- WEATHERPROOF
- NUMBER
- NEMA 3R WEATHERPROOF ENCLOSURE
- NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

GENERAL ELECTRICAL NOTES:

- THE SERVICE VOLTAGE TO THE FACILITY IS 277/480VOLT, 3 PHASE, 4 WIRE.
- INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
- MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
- COORDINATE ROUGH-IN OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. AVOID ALL BACKSPLASHES AT COUNTERS.
- ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD, AND COORDINATING WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
- THE LOCATION OF OUTLETS, FIXTURES, AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, OFFSET AS NEEDED OR AS REQUESTED BY THE OWNER. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
- COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL CONDUIT SIZE SHALL BE A MINIMUM 3/4" UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.
- ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WITHIN THE CONFINES OF THE BUILDING FOUNDATIONS EXCEPT THOSE SPECIFICALLY SERVING LOADS OR EQUIPMENT EXTERIOR OF THE BUILDING. ALL SUCH RACEWAYS SHALL BE A MINIMUM 18" INSIDE FOUNDATIONS AND POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
- ALL CONDUITS INSTALLED UNDERFLOOR SHALL BE ROUTED UNDER STRUCTURAL CONCRETE FLOOR SLABS. CONTRACTOR SHALL NOT INSTALL CONDUITS IN CONCRETE FLOORING WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. CONDUITS PENETRATING THRU CONCRETE FLOORS SHALL ADHERE TO THE ELECTRICAL SPECIFICATIONS AND RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.
- ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC. EMT WILL NOT BE ACCEPTED.
- ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX. RACEWAYS SUPPORTED ON BOTTOM OF SECONDARY CEILING SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM THE GYPBOARD CEILING.
- ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A PULL WIRES.
- PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
- INSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
- PROVIDE A CONDUIT EXPANSION JOINTS WITH BONDING JUMPER IN ALL CONDUITS CROSSING AN EXPANSION JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
- ALL UNDERGROUND CONDUITS RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
- ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENINGS SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK ARE INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS FINISHED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
- PLANNED INTERRUPTIONS OF UTILITY SERVICE TO ANY EXISTING FACILITY OR AREAS WITHIN ANY FACILITY AFFECTED BY THIS CONTRACT, SHALL BE CAREFULLY PLANNED AND COORDINATED IN ADVANCE OF THE REQUESTED INTERRUPTION. THE CONTRACTOR SHALL NOT INTERRUPT SERVICES UNTIL SPECIFIED APPROVAL HAS BEEN GRANTED. THE REQUEST SHALL INDICATE SERVICES AND AREAS TO BE AFFECTED, DATE AND TIME OF INTERRUPTION AND DURATION OF OUTAGE. REQUEST FOR INTERRUPTION OF SERVICE WILL NOT BE APPROVED UNTIL ALL EQUIPMENT AND MATERIAL REQUIRED FOR THE COMPLETION OF THAT PARTICULAR PHASE OF WORK ARE ON THE JOB SITE. CONTRACTOR IS RESPONSIBLE FOR ALL OVERTIME, HOLIDAY, AND WEEKEND PAY TO THEIR EMPLOYEES TO DO THIS WORK DURING SCHEDULED NON-NORMAL WORK HOURS.
- ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL HAVE AN EMERGENCY BATTERY BALLAST CONNECTED AHEAD OF LOCAL SWITCHING, UNLESS EMERGENCY LIGHTING IS ON EMERGENCY CIRCUIT FROM A GENERATOR.
- CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. PROVIDE PROPER NUMBER OF POWER PACKS AND LOCATE POWER PACKS AND OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.
- HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC, WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.
- BUILDING OWNER MUST RECEIVE RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTIONS ABOUT THE OPERATION AND MAINTENANCE OF THE BUILDING'S ELECTRICAL DISTRIBUTION SYSTEM.

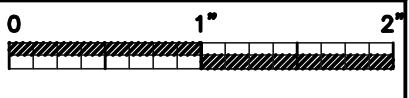


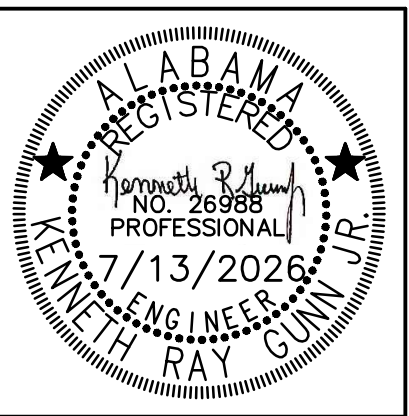
PROJ. MGR.: KRG
DRAWN: AHB
DATE: 7.13.2026
REVISIONS

JOB NO. 26-064

SHEET NO:

E0.1





PROJ. MGR.: KRG
DRAWN: AHB
DATE: 7.13.2026
REVISIONS

JOB NO. 26-064

SHEET NO:

E1.1



GENERAL ELECTRICAL SITE NOTES:

1. ALL SITE ELECTRICAL WORK SHALL COMPLY WITH NEC, STATE, AND LOCAL CODES.
2. CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED SURFACES AS A RESULT OF THE DUCTLINE INSTALLATION BACK TO PREVIOUS STATE.
3. ALL CONDUCTIVE PARTS OF ELECTRICAL EQUIPMENT SHALL BE GROUNDED. UNLESS NOTED OTHERWISE, CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
4. DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES, UNLESS SHOWN OR DIRECTED. WHERE DUCT LINES HAVE TO CROSS OTHER UTILITIES, SUCH AS SEWER, WATER, ELECTRICAL, AND COMMUNICATIONS LINES, PROVIDE ADEQUATE SUPPORT ON EACH SIDE OF THE CROSSING TO PREVENT PUTTING ANY DIRECT LOAD ONTO THE OTHER UTILITY LINES.
5. ALL DUCT AND CIRCUIT ROUTING ON DRAWINGS IS SHOWN TYPICAL. CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED ON ACTUAL FIELD DIMENSIONS, CONDITIONS, AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
6. CONTRACTOR SHALL STAKE OUT THE ENTIRE UNDERGROUND DUCT SYSTEM AND COORDINATE THE ROUTING AGAINST EXISTING UNDERGROUND UTILITY INFORMATION AND NEW WORK BY THE OTHER TRADES, BEFORE DOING ANY TRENCHING. THE GENERAL CONTRACTOR, CONSTRUCTION MANAGER, OR CONTRACTING OFFICER SHALL GIVE APPROVAL OF ROUTING BEFORE TRENCHING SHALL BEGIN.
7. ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH THE GEOTECHNICAL REPORT AND ALL SPECIFICATIONS.
8. ALL DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, TRANSITIONS, EXISTING UTILITIES, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED.
9. ALL CONDUITS STUBBED OUT OF THE FACILITY FOR FUTURE SHALL BE CAPPED AND LOCATION MARKED WITH 2" SQUARE, PAINTED RED, WITH CONDUIT NAME AND SIZE SHOWN IN WHITE. PROVIDE WITH PULLWIRES.
10. PROVIDE PROPER CONCRETE POLE BASE FOR ALL POLE MOUNTED EXTERIOR LIGHTING FIXTURES. SEE DETAIL.
11. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE.
12. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING AND EXITING COMMUNICATIONS PULLBOXES AND BACKBOARDS.
13. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
14. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED WITH ALABAMA POWER COMPANY PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
15. COORDINATE WITH POWER RISER DIAGRAMS FOR FEEDER AND CONDUIT SIZES AND ALL OTHER ADDITIONAL REQUIREMENTS NOT SHOWN ON SITE PLAN.
16. SEE SHEET E1.2 FOR TYPICAL TRENCH/DUCT DETAILS FOR ALL SURFACES. WORK SHALL COMPLY WITH DETAILS.
17. SEE COMMUNICATIONS RISER DIAGRAMS ON SHEET E4.1 FOR ADDITIONAL REQUIREMENTS.
18. PROVIDE MULE TAPE IN EACH COMM. CONDUIT.

SITE LEGEND

- UGS UNDERGROUND SECONDARY CONDUITS
- UGC UNDERGROUND COMMUNICATIONS CONDUITS
- UNDERGROUND CONDUIT
- T EXISTING PAD MOUNTED TRANSFORMER
- PB NEW IN GRADE PULLBOX. PROVIDE 30"x48"Lx30"D IN-GRADE JUNCTION BOX FOR COMMUNICATIONS SYSTEM. BOX SHALL BE COMPOSITE MATERIAL OF HIGH STRENGTH WITH COVER AND STAINLESS STEEL INSERTS. COVER SHALL HAVE LOGO INDICATING CONTENTS WITHIN COMMUNICATIONS BOX SHALL BE DESIGNED FOR LIGHT TRAFFIC AREAS. MOUNT COVER FLUSH WITH GRAD. MOUNT ON A 12 INCH GRAVEL BED WITH 9 INCHES OF CONCRETE AROUND PERIMETER AND A 3 INCH SOIL TOP. SUBMIT BOX AND COVERS FOR APPROVAL. BOX TO BE EQUAL TO CDR SYSTEMS CORP., MODEL #A10-3048-30.

SHEET NOTES:

1. REMOVE ALL ELECTRICAL DEVICES, CONDUIT, AND WIRE ASSOCIATED WITH REMOVAL OF EXISTING STRUCTURE. REMOVE ALL CIRCUITRY BACK TO POINT OF ORIGIN.
2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING 'IDF-PB' AND ROUTING WITH OWNER PRIOR TO BID.
3. CONTRACTOR SHALL BORE 2" HDPE CONDUIT INTERCONNECTING PULLBOXES. PROVIDE MULE TAPE IN CONDUIT AFTER PULLING FIBER OPTIC CABLE.
4. PROVIDE 2"C. FROM PULLBOX TO STADIUM EXTERIOR. LB THRU BRICK WALL TO EXISTING JUNCTION BOX ON INTERIOR THAT HAS CONDUITS UP TO PRESSBOX. LB INTO BUILDING AS LOW AS POSSIBLE. GET APPROVAL FROM ARCHITECT ON LB LOCATION PRIOR TO INSTALLATION.
5. PROVIDE 3"C. FROM PULLBOX TO EXISTING BUILDING AND LB INTO BUILDING EXTERIOR TO NEW IDF-C.
6. SEE RISER DIAGRAM 1/E6.1.
7. PROVIDE 2"C. FROM PULLBOX TO JANITOR ROOM AND STUB-UP TO ACCESSIBLE LOCATION.

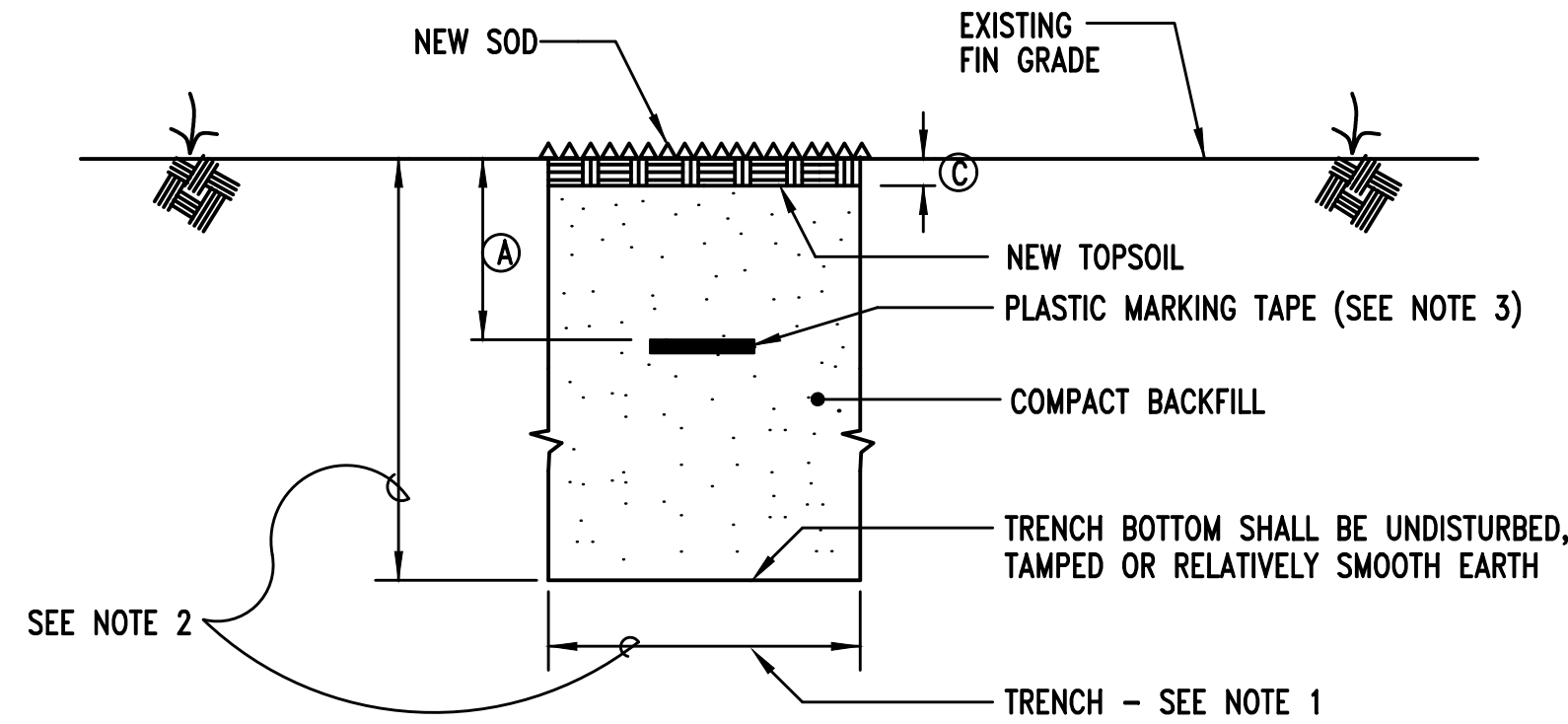
SCALE: 1" = 20'-0"



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UNDERGROUND UTILITY NOTES:

- THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
 - TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS
 - DUCTBANK INSTALLATIONS
 - LOW VOLTAGE CONDUCTOR INSTALLATION
 - PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
- INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
- ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION-WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
- ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
- ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
- UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.
 - ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
 - PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.
 - DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS.
 - ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 2.
 - CALL 811 TO LOCATE UTILITIES BEFORE YOU DIG. COORDINATE WITH OWNER FOR THEIR KNOWLEDGE OF EXISTING SITE CONDITIONS ALSO.

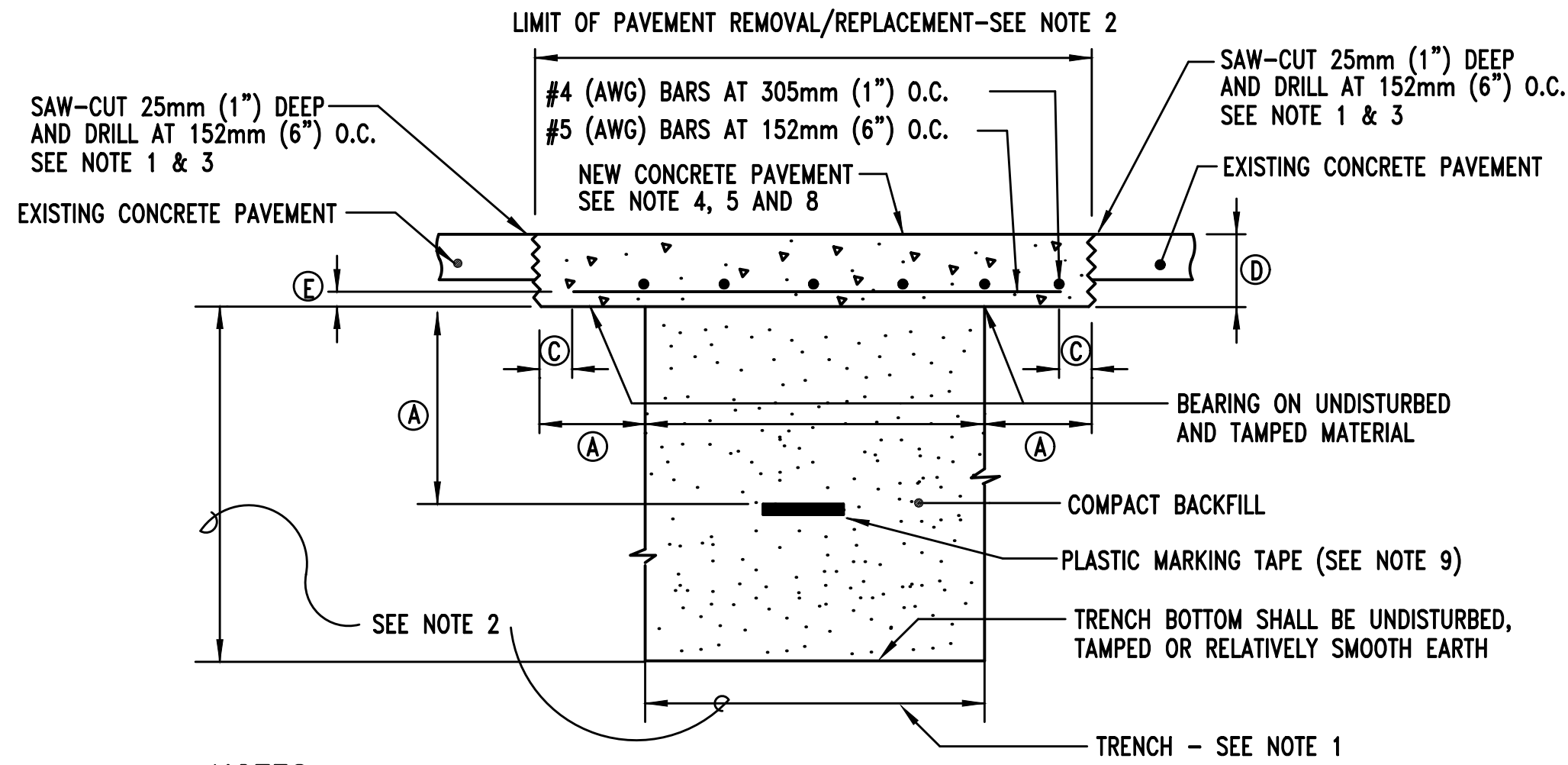


NOTES:

- TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR AND INSTALL NEW SOD.
- TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
- PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

1 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR SODDED AREAS
E1.2 NO SCALE

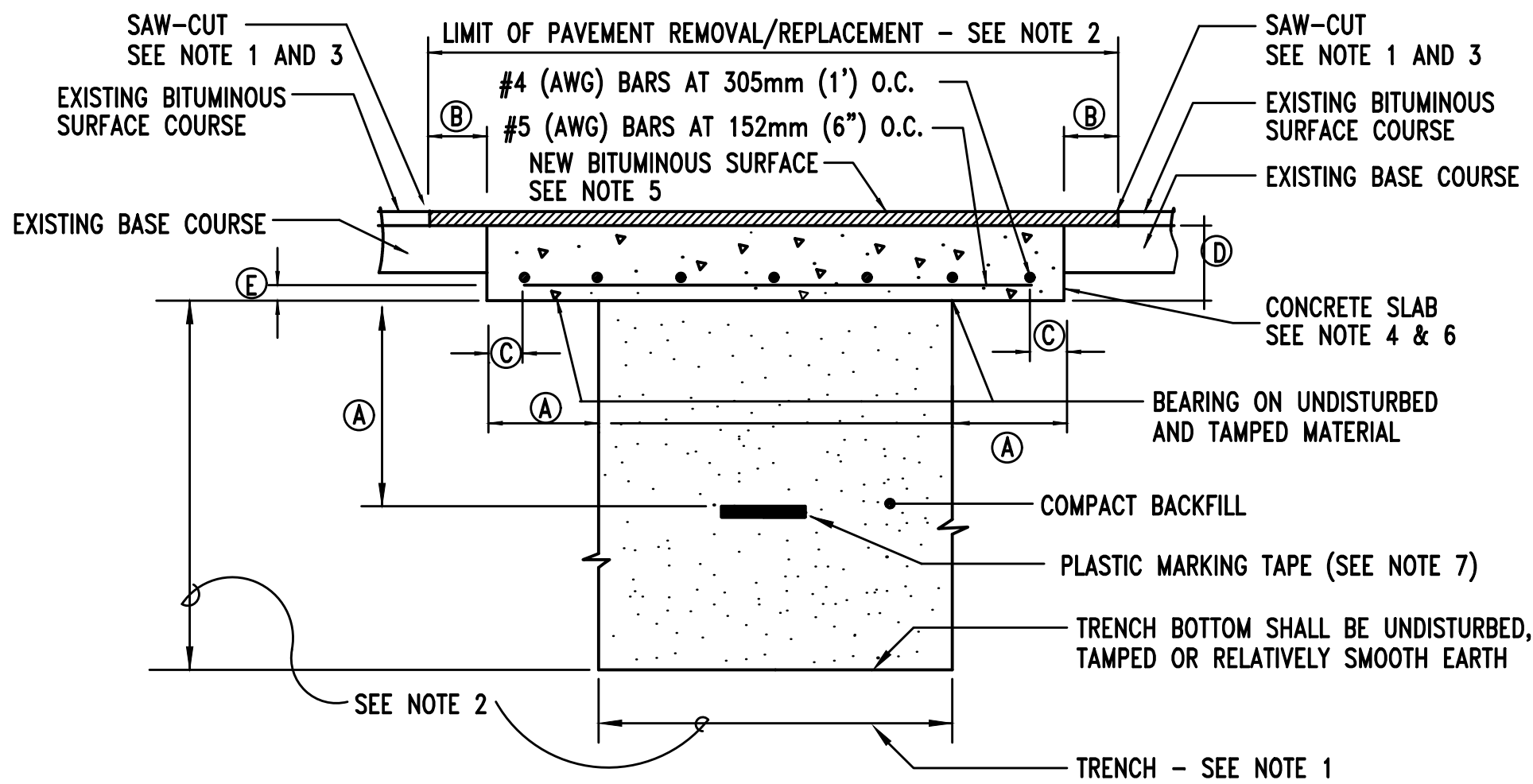
DIMENSION BLOCK (TYP.)		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"



NOTES:

- TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
- TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
- PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
- CONCRETE SHALL BE CLASS A.
- MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT 8" (20.32cm) MIN.
- LEAVE DRILLED FACE OF EXISTING PAVEMENT IRREGULAR TO INSURE KEY TO NEW CONCRETE PAVEMENT.
- ALL EXISTING JOINTS TO BE RE-ESTABLISHED.
- REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE PAVEMENT.
- PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

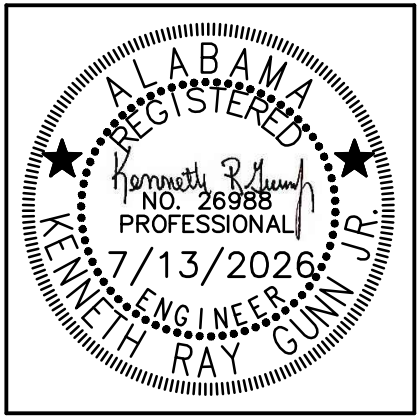
2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR RIGID PAVEMENT
E1.2 NO SCALE



NOTES:

- TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
- TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
- PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
- CONCRETE SHALL BE CLASS A.
- MATCH THICKNESS OF EXISTING BITUMINOUS SURFACE, OR 38mm (1.5") MINIMUM, WHICHEVER IS GREATER.
- REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE SLAB.
- PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

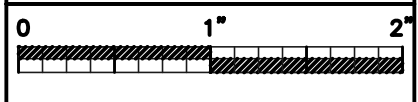
3 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR FLEXIBLE PAVEMENT
E1.2 NO SCALE



PROJ. MGR.: KRG
DRAWN: AHB
DATE: 7.13.2026
REVISIONS

JOB NO. 26-064
SHEET NO:

E2.1



LIGHTING FIXTURE SCHEDULE

TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP LUMENS	DESCRIPTION:
LFP	COOPER NO. 24MMS-L3C3-UNV OR PRIOR APPROVED EQUAL BY COOPER OR WILLIAMS	MVOLT	SURFACE	LED	5000 LUMEN 34 WATTS	2' X 4' FLAT PANEL
WP1	COOPER NO. IST-SA1C-740-U-T4W-BZ-CBP-BPC120 OR PRIOR APPROVED EQUAL BY GARDCO, KIM, OR LSI	MVOLT	WALL	LED	4500 LUMEN 49 WATTS	WALL PACK WITH EMERGENCY BATTERY WHERE SHOWN ON PLAN
	COMPASS NO. CU2HLHOSD OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	WALL	LED	1000 LUMEN 10 WATTS	2-HEAD EMERGENCY EGRESS LIGHT
	DUAL-LITE NO. EVCHLUGW12-06L OR PRIOR APPROVED EQUAL BY EXITRONIX, EMERGI-LITE, OR MCPHILBEN	MVOLT	UNIVERSAL	LED	1000 LUMEN 10 WATTS	THERMOPLASTIC COMBO EMERGENCY EGRESS/ EXIT LIGHT. PROVIDE WITH EMERGENCY BATTERY.

LUMINAIRE NOTES:

- ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
- LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
- ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION
- ALL LUMINAIRES DRIVERS, LAMPS, ETC SHALL BE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
- PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
- ALL LED LUMINARIES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
- ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
- COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
- ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION.
- CONTRACTOR SHALL PROVIDE ALL MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.

GENERAL NOTES:

- PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRED HOMERUN PER NEC.
- SEE LIGHTING CONTROL DETAILS ON SHEET E2.2 FOR ADDITIONAL REQUIREMENTS.

PHOTOCONTROL OF LIGHTING:

PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE.
THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.

SHEET NOTES:

- ① ROUTE THRU CONTACTOR ARRANGEMENT. "NL" DESIGNATES LIGHTS THAT SHALL BE TURNED ON FROM DUSK TO DAWN. "OL" DESIGNATES LIGHTS ON TURNED ON AT DUSK AND TURNED OFF BY TIMECLOCK AT 12 MIDNIGHT. SEE DETAILS 2& 3/E2.2.

ROOM CONTROLLER NOTES:

CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

1/8" = 1'-0"

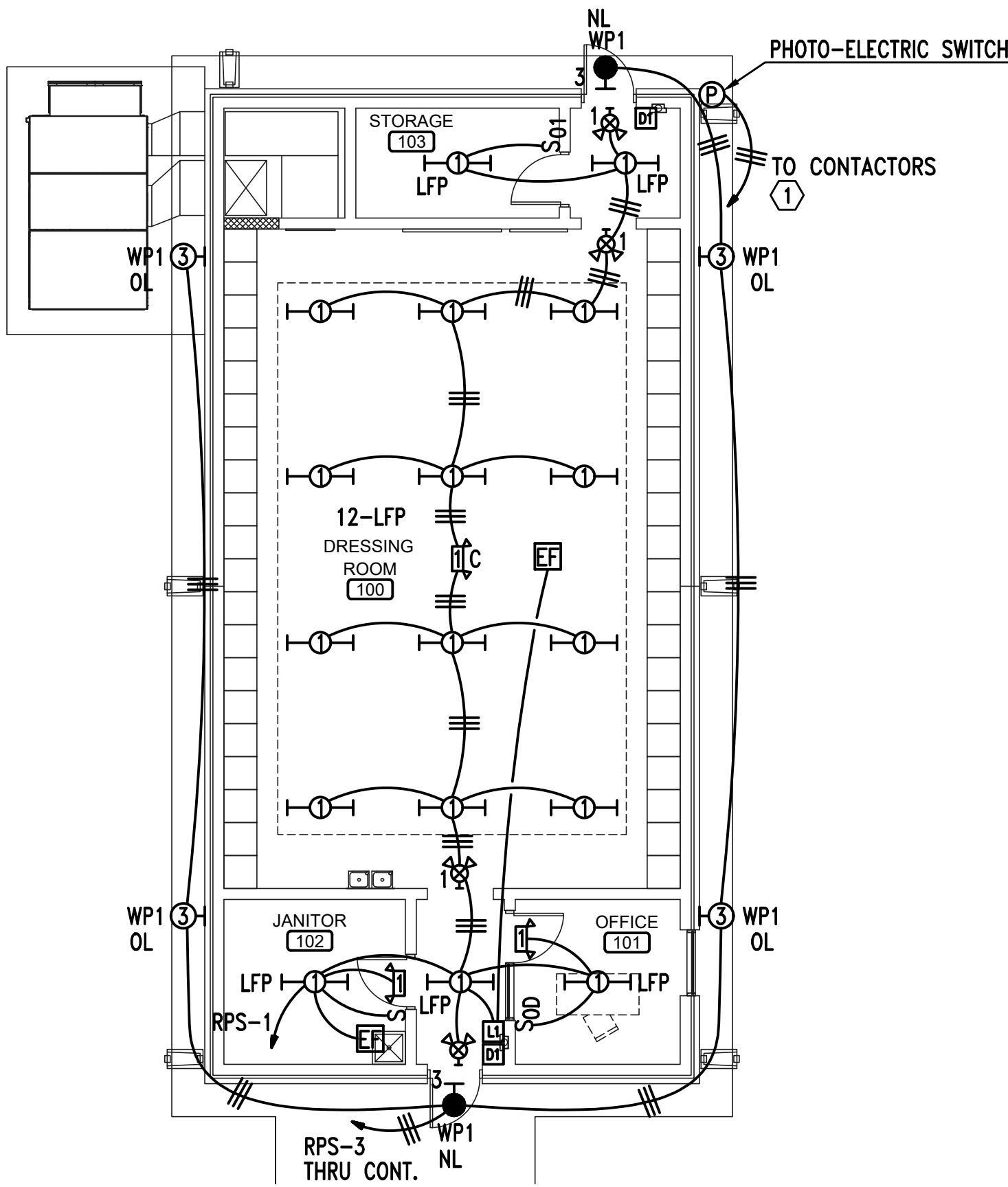
8' 0 8 16 FT

GRAPHIC SCALE

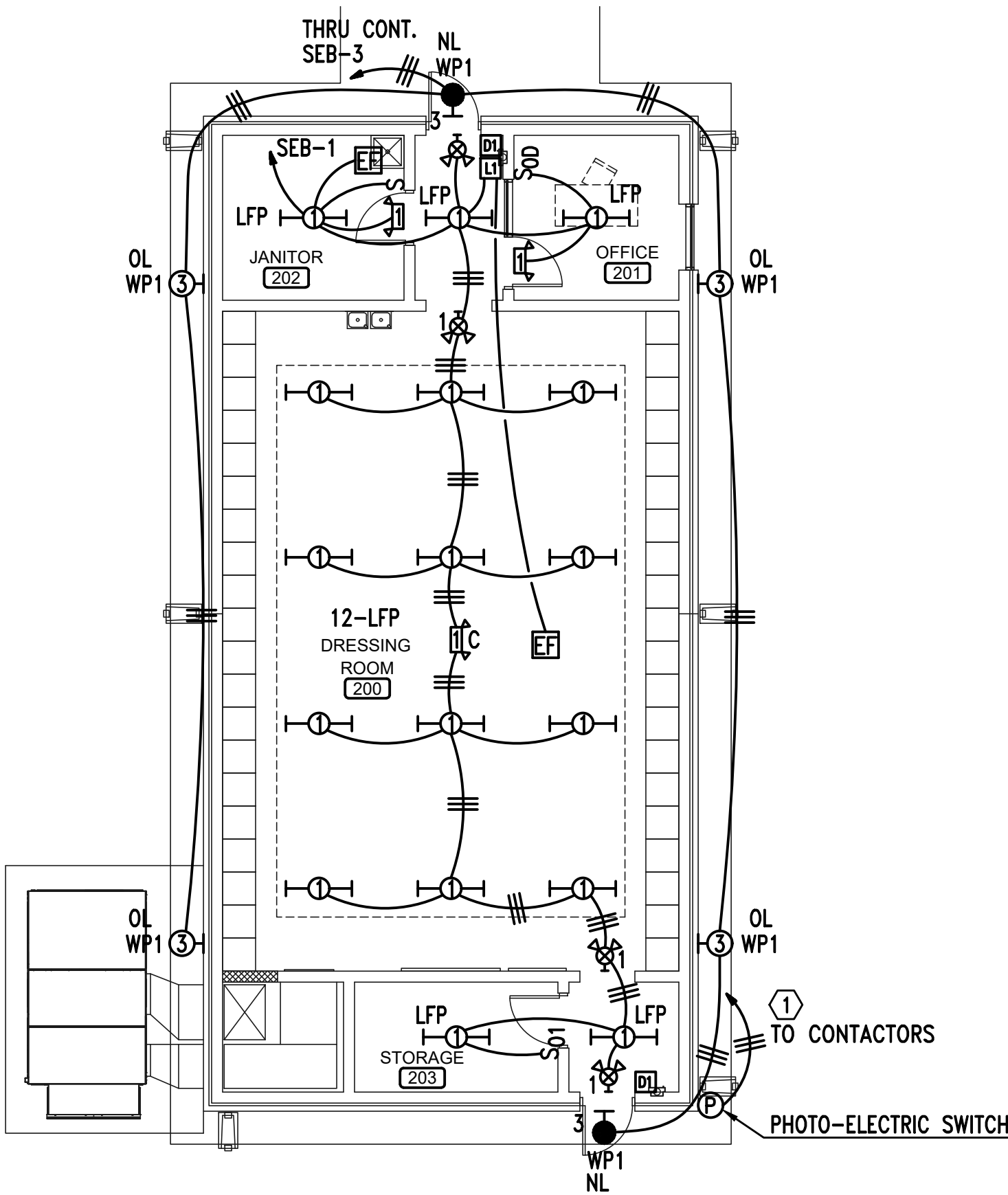
GA Gunn & Associates, P.C.
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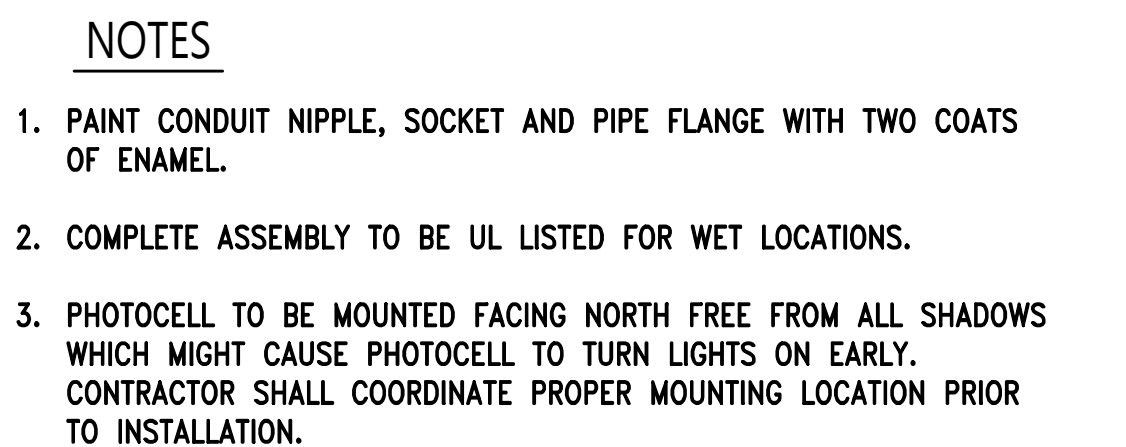
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#26-121



SOFTBALL DRESSING ROOM
1 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



BASEBALL DRESSING ROOM
2 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



2 DETAIL - INSTALLATION OF PHOTO-CELL
E2.2 NO SCALE

1. OCCUPANCY SENSORS SHALL BE VACANCY TYPE WITH DUAL TECHNOLOGY DETECTION AND 20-MINUTE CUTOFF TIME.
2. OCCUPANCY SENSOR MANUFACTURER PROVIDER WILL BE RESPONSIBLE FOR SIZING THE OCCUPANCY SENSORS IN EACH SPACE. PROVIDE THIS SIZING TO THE ENGINEER DURING SUBMITTAL PHASE FOR APPROVAL. PROVIDE ADDITIONAL OCCUPANCY SENSORS AS REQUIRED TO FULLY COVER ALL SPACES. IF ADDITIONAL OCCUPANCY SENSORS OR ANY OTHER EQUIPMENT IS REQUIRED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INSTALL. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WITH LIGHTING MANUFACTURER PRIOR TO BIDS AND COVER THE COST OF ALL MATERIAL AND LABOR FOR ANY ADDITIONAL OCCUPANCY SENSORS.
3. ALL OCCUPANCY SENSORS LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EXACT MOUNTING AND SPACING REQUIREMENTS PRIOR TO INSTALLATION.
4. ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
6. OCCUPANCY SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
7. LIGHTING CONTROL SYSTEM IS SPECIFIED AROUND THE HUBBELL AUTOMATION SYSTEM. CONTRACTOR SHALL PROVIDE ALL MATERIALS, DEVICES, WIRING, CONNECTIONS, AND PROGRAMMING NEEDED IF ANY OTHER LIGHTING CONTROL SYSTEM SUBMITS FOR APPROVAL AND IS PROVIDED.
8. HUBBELL, COOPER, AND ILC ARE APPROVED EQUALS.
9. CONTRACTOR SHALL GROUND ALL JUNCTION BOXES CONTAINING LOW VOLTAGE SWITCHES OR ANY OTHER TYPE LIGHTING CONTROL DEVICE WITH #12 GRD.



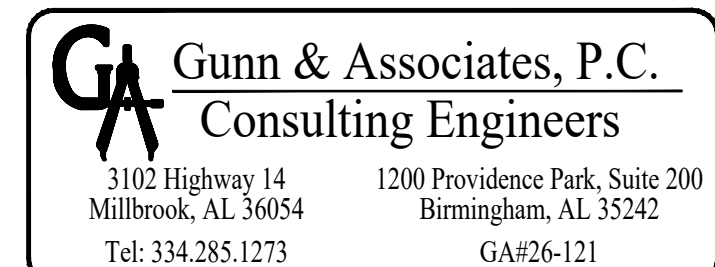
- NEMA ICS 2-211B INDUSTRIAL DUTY TYPE
- ELECTRICALLY OPERATED-ELECTRICALLY HELD
- RATING AND NUMBER OF POLES INDICATED
- CONTACTS SHALL BE SILVER ALLOY, DOUBLE-BREAK,
SUITABLE FOR TUNGSTEN, BALLAST LIGHTING,
RESISTANCE AND MOTOR LOADS
- FUSING FOR CONTROL CIRCUIT

 9. GROUND CONDUCTOR - BOND TO EACH ENCLOSURE AND INSTALL
IN EACH CONDUIT SYSTEM

 10. DIGITAL TIME SWITCH AS FOLLOWS:

- ONE CHANNEL WITH 24 HOUR, SEVEN DAY
PROGRAMMING AND SKIP-A-DAY FEATURE
- INPUT: 120 VAC, 60HZ
- OUTPUT: DPST DRY CONTACTS (UNPOWERED)
- HEAVY DUTY CONTACTS RATED 20 AMPERE RESISTIVE AT 120 VAC
- TEMPERATURE RANGE: -20 TO +60 DEGREES CELSIUS
- RELATIVE HUMIDITY: 0 TO 90% RH
- CLOCK ACCURACY: ±2 MINUTES PER YEAR
- LED INDICATION OF TIME AND LOAD STATUS
- FULL WEEK'S RESERVE POWER (BATTERY BACK-UP)

 11. PROVIDE NUMBER OF POLES REQUIRED.



SOFTBALL DRESSING ROOM
POWER PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (4) THIS SHEET, NO EXCEPTIONS.
7. SEE DETAIL THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.

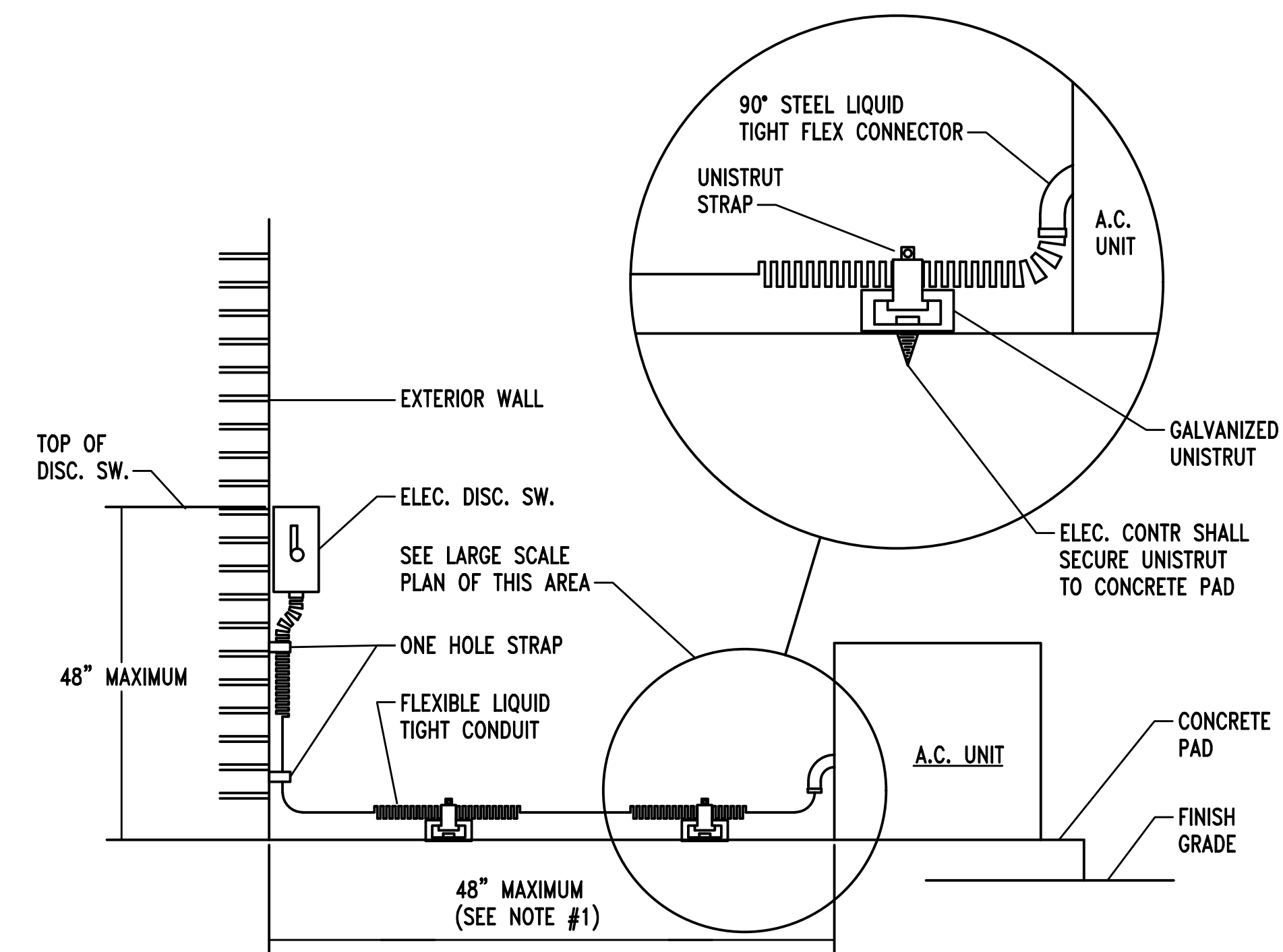
GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.
3. THE OWNER TAKES EXCEPTION TO THE FOLLOWING SECTIONS OF 2013 ASHRAE 90, SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS AND SECTION 8.4.3 ELECTRICAL ENERGY MONITORING. THESE REQUIREMENTS WILL NOT BE PROVIDED IN THIS PROJECT.
4. UPDATE ALL EXISTING PANELBOARD DIRECTORIES TO REFLECT NEW WORK. TURN ALL SPARES IN OFF POSITION.

SHEET NOTES:

- ① INTERIOR UNIT RECEIVES POWER FROM THE EXTERIOR UNIT. PROVIDE INTERCONNECTING CIRCUITRY AS NEEDED IN CONDUIT TO CONNECT THE INTERIOR UNIT.
- ② HOMERUN TO NEXT AVAILABLE 20A/1P SPARE IN EXISTING PANEL "2RP". IF NO SPARES ARE AVAILABLE, PROVIDE AND INSTALL NEW 20A/1P 10KAIC CIRCUIT BREAKER IN EXISTING BUSSED SPACE.

BASEBALL DRESSING ROOM
POWER PLAN
 SCALE: 1/8" = 1'-0"

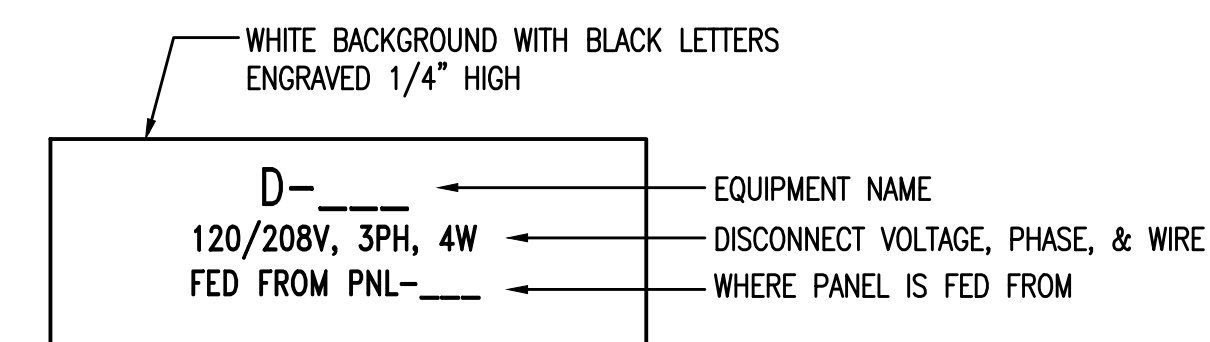


NOTE:

1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.

3 MECHANICAL UNIT CONNECTION DETIAL

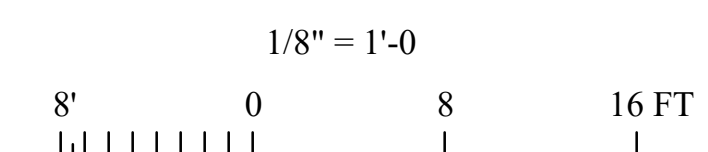
E3.1 NO SCALE



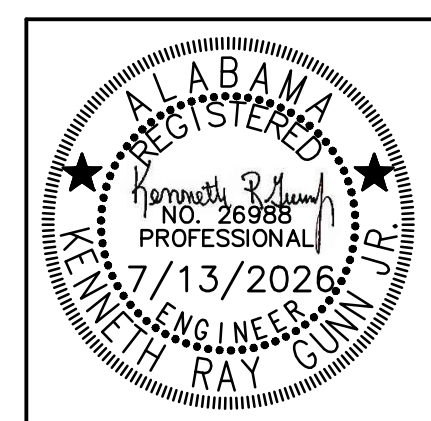
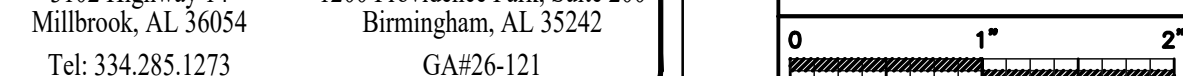
TYPICAL NORMAL POWER NAMEPLATE

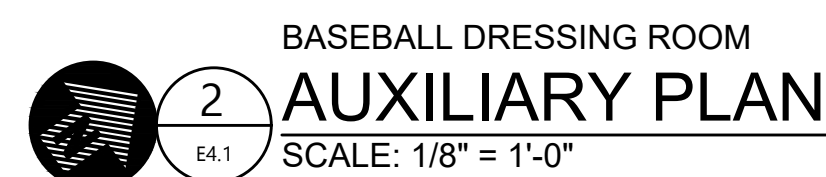
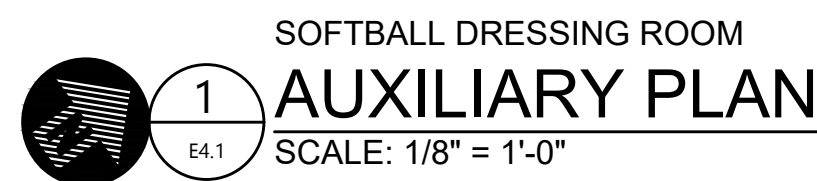
4 DETAIL - TYPICAL DISCONNECT NAMEPLATE

E3.1 NO SCALE



Gunn & Associates, P.C.
Consulting Engineers



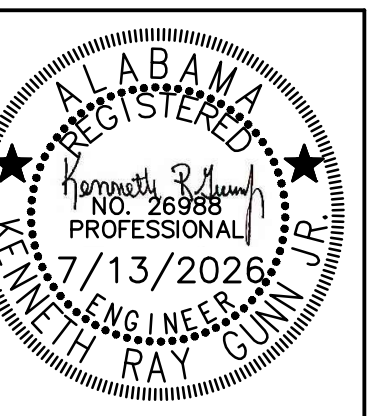


1. COORDINATE WITH CORRESPONDING RISER DIAGRAMS.
2. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.

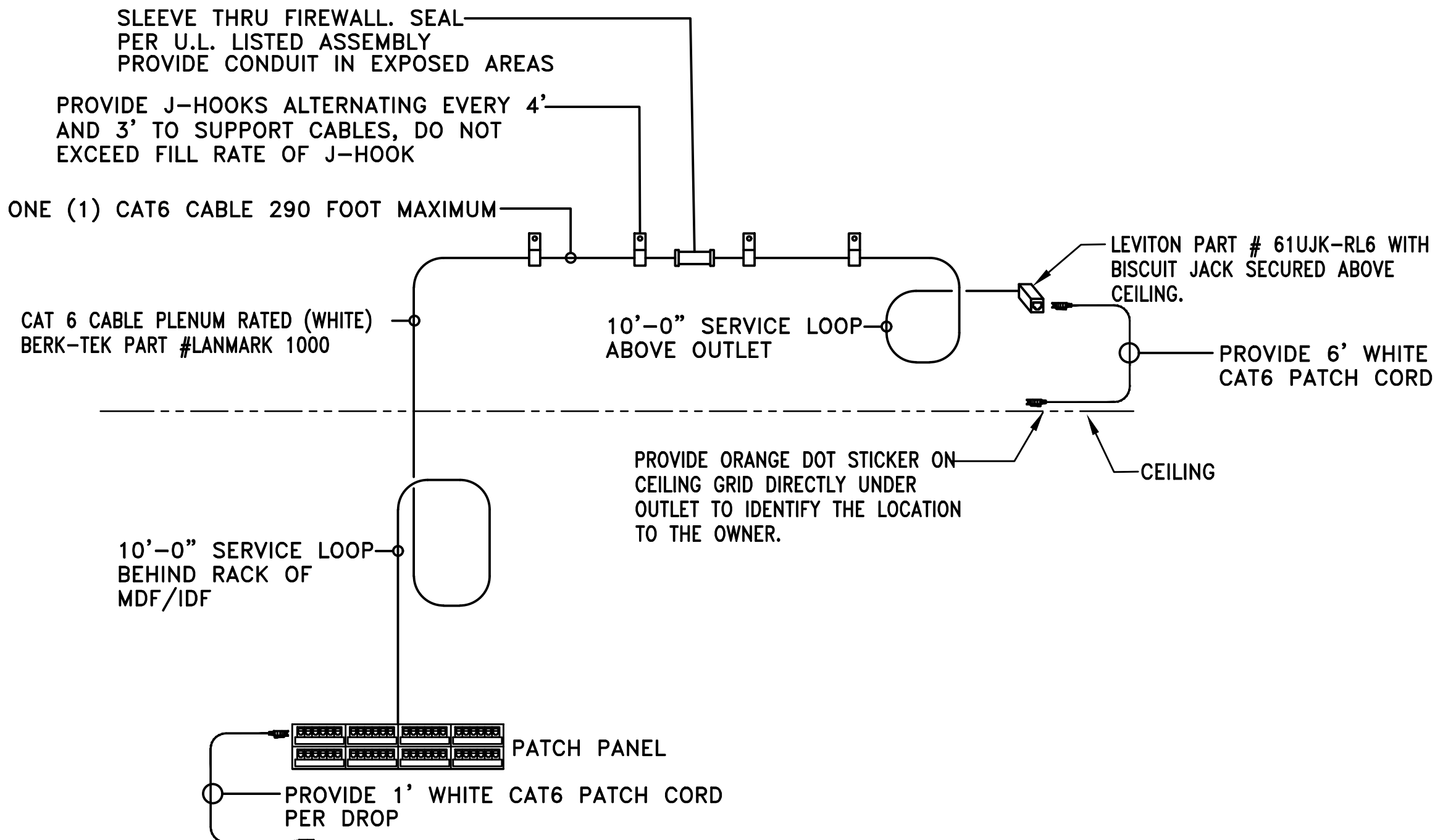
- ① CONTRACTOR SHALL PROVIDE A 12 STRAND MULTIMODE 50 MICRON OM3 ARMORED FIBER OPTIC CABLE (OSP RATED) INTERCONNECTING THE EXISTING IDF-PB TO THE NEW IDF-C. PROVIDE LC TYPE CONNECTIONS.
- ② CONTRACTOR SHALL PROVIDE A FIBER OPTIC PATCH PANEL AS NEEDED IN EXISTING IDF-PB TO INTERCONNECT THE EXISTING IDF-PB TO THE NEW IDF-C. PROVIDE LC TYPE CONNECTIONS.



DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT	
DATA CABLING	BLUE
WIRELESS ACCESS CABLING	WHITE
SECURITY CAMERA CABLING	GREEN

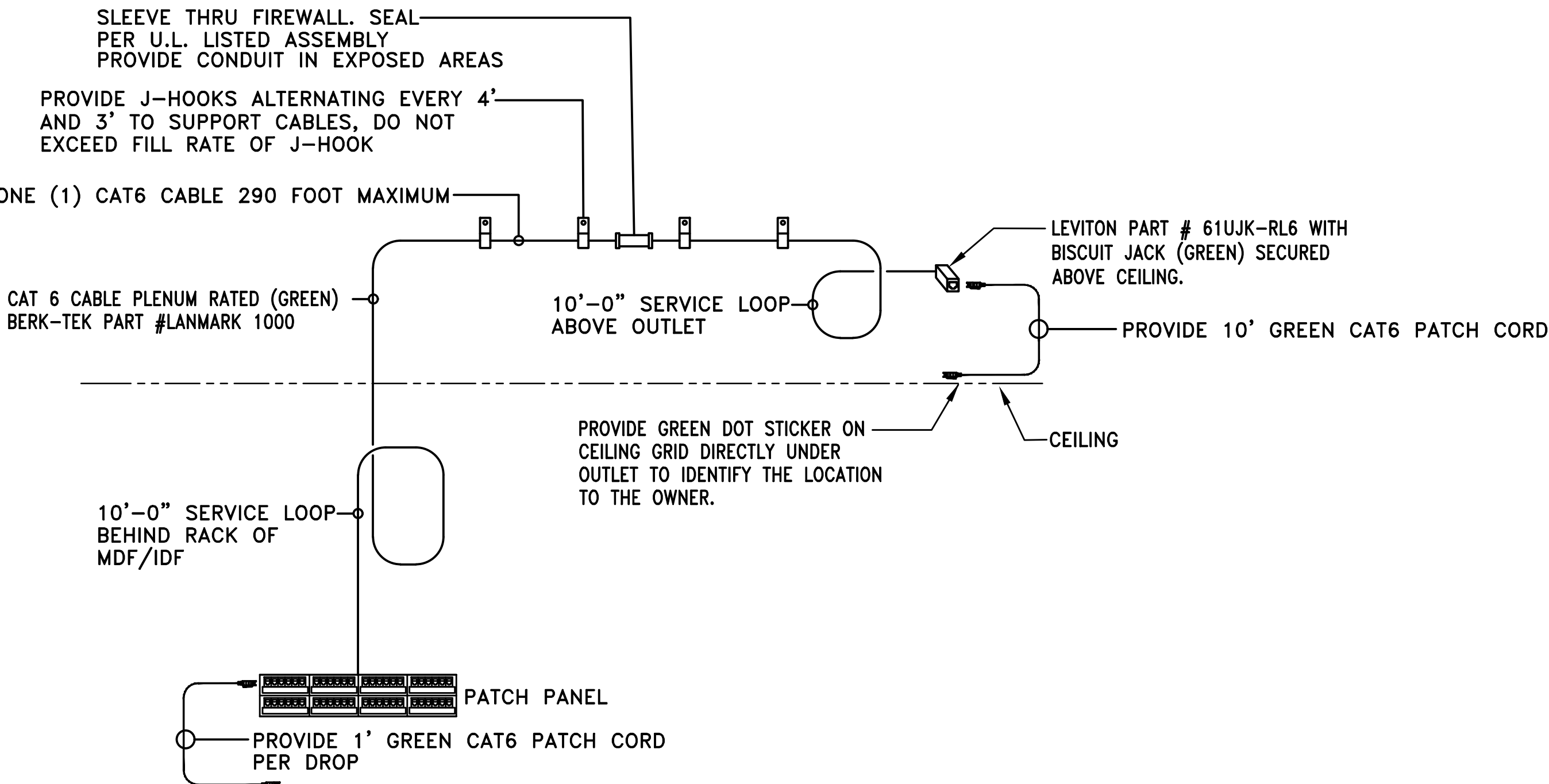


* NOTE: PROVIDE CONDUIT TO RUN CABLING IN ALL EXPOSED CEILING AREAS



5
E6.2
DETAIL - TYPICAL WIRELESS ACCESS POINT OUTLET
NO SCALE

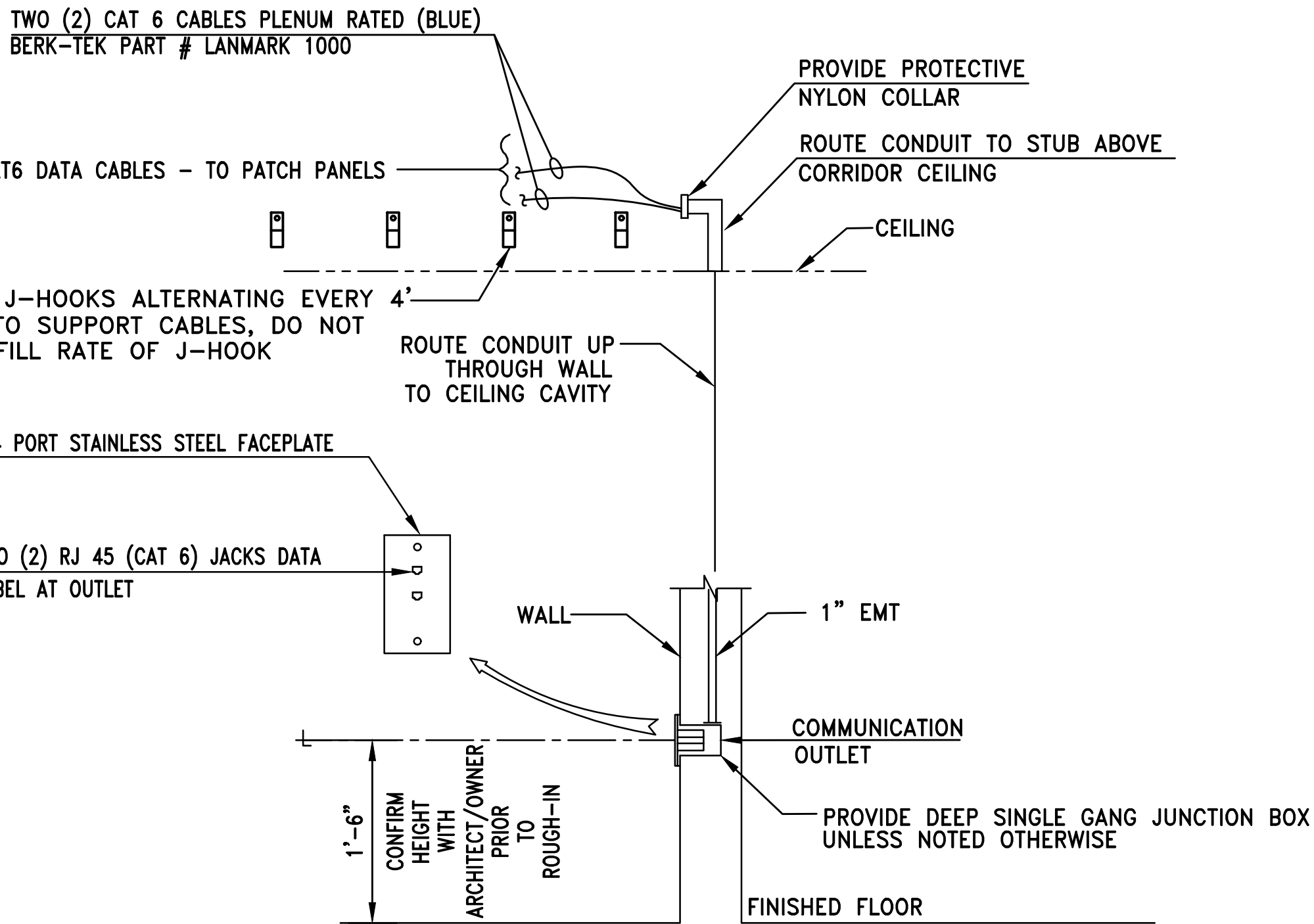
* NOTE: PROVIDE CONDUIT TO RUN CABLING IN ALL EXPOSED CEILING AREAS
* NOTE: EXTERIOR CAMERAS PROVIDE SINGLE GANG JUNCTION BOX WITH 3/4" CONDUIT STUBBED TO ABOVE
INTERIOR CEILING. COORDINATE EXTERIOR CAMERA KEYSTONE LOCATION WITH OWNER PRIOR TO INSTALLATION



4
E6.2
DETAIL - TYPICAL SECURITY CAMERA OUTLET
NO SCALE

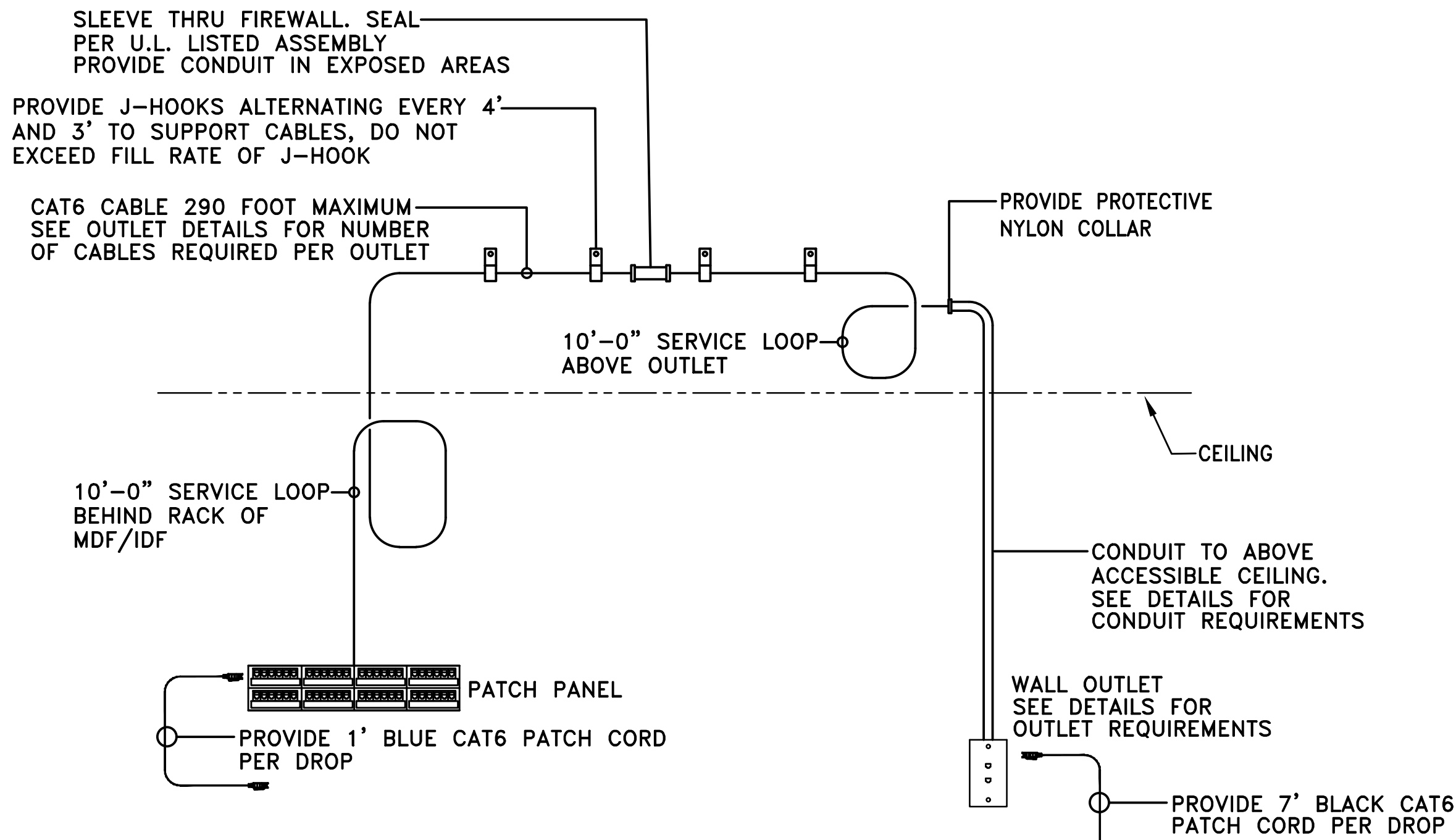
* NOTE: PROVIDE CONDUIT TO RUN CABLING IN ALL EXPOSED CEILING AREAS

AC * DESIGNATES TO INSTALL DEVICE ABOVE COUNTER



2
E6.2
DETAIL - TYPICAL COMMUNICATIONS OUTLET
NO SCALE

* NOTE: PROVIDE CONDUIT TO RUN CABLING IN ALL EXPOSED CEILING AREAS



6
E6.2
RISER DIAGRAM - STRUCTURED CABLING
NO SCALE

DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT

DATA CABLING	BLUE
WIRELESS ACCESS CABLING	WHITE
SECURITY CAMERA CABLING	GREEN

NOTE: PROVIDE CONDUIT AS REQUIRED TO ROUTE CABLES
FROM LOCATIONS IN NEW BUILDING TO IDF-C IN EXISTING
BUILDING. PROVIDE OUTSIDE RATED CABLE FOR ALL CABLE
ROUTED IN UNDERGROUND CONDUITS.

POWER EQUIPMENT MANUFACTURES BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AN AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

PANEL - 4SEB													
TYPE: 225A MB				AIC: 65,000 AMPERES				MOUNTED: SURFACE				VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE	
CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
PANEL '4SES'	17,220			125		1	2	60		13,300			PHP-B
		16,120				3	4				13,300		
			19,300		3	5	6		3			13,300	
BUSSED SPACE				50	1	7	8	30		3,920			TX-RPB
BUSSED SPACE				50	1	9	10				2,820		
BUSSED SPACE				50	1	11	12		3			6,000	
BUSSED SPACE				50	1	13	14	50	1				BUSSED SPACE
BUSSED SPACE				50	1	15	16	50	1				BUSSED SPACE
BUSSED SPACE				50	1	17	18	50	1				BUSSED SPACE
BUSSED SPACE				50	1	19	20	50	1				BUSSED SPACE
BUSSED SPACE				50	1	21	22	50	1				BUSSED SPACE
BUSSED SPACE				50	1	23	24	50	1				BUSSED SPACE
SUB TOTAL (VA)	17,220	16,120	19,300							17,220	16,120	19,300	SUB TOTAL (VA)
TOTAL LOAD PHASE A: 34,440 (VA)				NOTES: 1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION. 2. PROVIDE ARC FAULT LABEL PER DETAIL. 3. PANEL SHALL BE SERVICE ENTRANCE RATED. 4. PROVIDE NAMEPLATES PER DETAILS 1 & 2/E5.1.									
TOTAL LOAD PHASE B: 32,240 (VA)													
TOTAL LOAD PHASE C: 38,600 (VA)													
TOTAL LOAD: 105,280 (VA) = 127 AMPS													

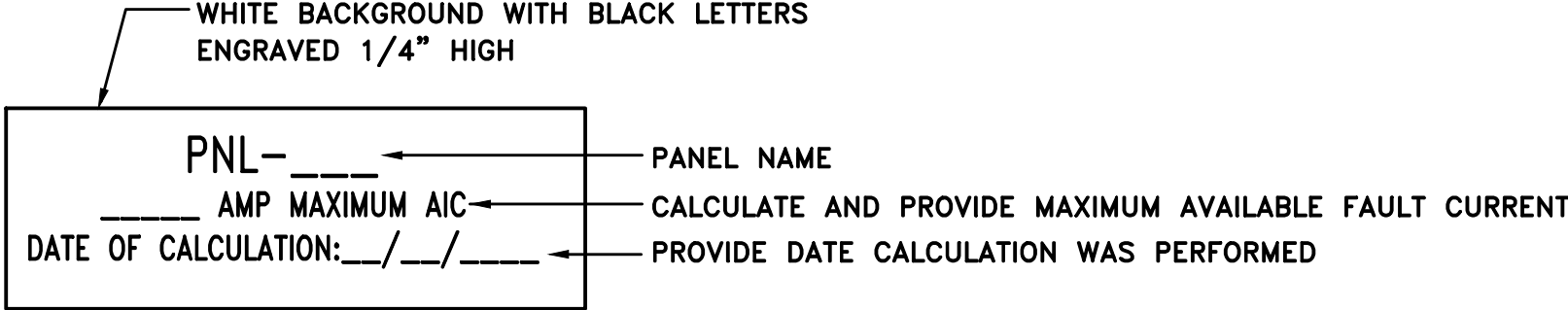
PANEL - RPB													
TYPE: 60A MB				AIC: 42,000 AMPERES				MOUNTED: SURFACE				VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE	
CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER	AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY	
	PHASE A	PHASE B	PHASE C						PHASE A	PHASE B	PHASE C		
INTERIOR LIGHTS	1,200			20	1	1	2	30		1,320			ODHP-S
EXTERIOR LIGHTS		300		20	1	3	4		2		1,320		
PLUGS			1,000	20	1	5	6	40	1			3,600	TWH-B
PLUGS	1,400			20	1	7	8	20	1				SPARE
EWC		1,200		20	1	9	10	20	1				SPARE
PLUGS			1,400	20	1	11	12	20	1				SPARE
SPARE				20	1	13	14	20	1				SPARE
SPARE				20	1	15	16	20	1				SPARE
SPARE				20	1	17	18	20	1				SPARE
BUSSED SPACE				20	1	19	20	20	1				BUSSED SPACE
BUSSED SPACE				20	1	21	22	20	1				BUSSED SPACE
BUSSED SPACE				20	1	23	24	20	1				BUSSED SPACE
SUB TOTAL (VA)	2,600	1,500	2,400							1,320	1,320	3,600	SUB TOTAL (VA)
TOTAL LOAD PHASE A: 3,920 (VA)				NOTES: 1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION. 2. PROVIDE ARC FAULT LABEL PER DETAIL. 3. PROVIDE NAMEPLATE PER DETAIL 2/E5.2.									
TOTAL LOAD PHASE B: 2,820 (VA)													
TOTAL LOAD PHASE C: 6,000 (VA)													
TOTAL LOAD: 12,740 (VA) = 35 AMPS													

PANEL - 4SES													
TYPE: 125A MB				AIC: 65,000 AMPERES				MOUNTED: SURFACE				VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE	
CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
PHP-S	13,300			60		1	2	30		3,920			TX-RPS
		13,300				3	4				2,820		
			13,300		3	5	6		3			6,000	
BUSSED SPACE				50	1	7	8	50	1				BUSSED SPACE
BUSSED SPACE				50	1	9	10	50	1				BUSSED SPACE
BUSSED SPACE				50	1	11	12	50	1				BUSSED SPACE
BUSSED SPACE				50	1	13	14	50	1				BUSSED SPACE
BUSSED SPACE				50	1	15	16	50	1				BUSSED SPACE
BUSSED SPACE				50	1	17	18	50	1				BUSSED SPACE
BUSSED SPACE				50	1	19	20	50	1				BUSSED SPACE
BUSSED SPACE				50	1	21	22	50	1				BUSSED SPACE
BUSSED SPACE				50	1	23	24	50	1				BUSSED SPACE
SUB TOTAL (VA)	13,300	13,300	13,300							3,920	2,820	6,000	SUB TOTAL (VA)
TOTAL LOAD PHASE A: 17,220 (VA)				NOTES: 1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION. 2. PROVIDE ARC FAULT LABEL PER DETAIL. 3. PANEL SHALL BE SERVICE ENTRANCE RATED. 4. PROVIDE NAMEPLATE PER DETAIL 2/E5.1.									
TOTAL LOAD PHASE B: 16,120 (VA)													
TOTAL LOAD PHASE C: 19,300 (VA)													
TOTAL LOAD: 52,640 (VA) = 63 AMPS													

PANEL - RPS													
TYPE: 60 AMP MB				AIC: 42,000 AMPERES				MOUNTED: SURFACE				VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE	
CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER	AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY	
	PHASE A	PHASE B	PHASE C						PHASE A	PHASE B	PHASE C		
INTERIOR LIGHTS	1,200			20	1	1 2	30		1,320			ODHP-S	
EXTERIOR LIGHTS		300		20	1	3 4		2		1,320			
PLUGS			1,000	20	1	5 6	40	1			3,600	TWH-S	
PLUGS	1,400			20	1	7 8	20	1				SPARE	
EWC		1,200		20	1	9 10	20	1				SPARE	
PLUGS			1,400	20	1	11 12	20	1				SPARE	
SPARE				20	1	13 14	20	1				SPARE	
SPARE				20	1	15 16	20	1				SPARE	
SPARE				20	1	17 18	20	1				SPARE	
BUSSED SPACE				20	1	19 20	20	1				BUSSED SPACE	
BUSSED SPACE				20	1	21 22	20	1				BUSSED SPACE	
BUSSED SPACE				20	1	23 24	20	1				BUSSED SPACE	
SUB TOTAL (VA)	2,600	1,500	2,400						1,320	1,320	3,600	SUB TOTAL (VA)	
TOTAL LOAD PHASE A: 3,920 (VA)													
TOTAL LOAD PHASE B: 2,820 (VA)													
TOTAL LOAD PHASE C: 6,000 (VA)													
TOTAL LOAD: 12,740 (VA) = 35 AMPS													
NOTES: 1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION. 2. PROVIDE ARC FAULT LABEL PER DETAIL. 3. PROVIDE NAMEPLATE PER DETAIL 2/E5.1.													

PANELBOARD NOTES:

- PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
- ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
- PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
- FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
- THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
- PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
- ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
- PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
- ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
- ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
- COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
- EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAILS 1 & 2 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.
- MANUFACTURER THAT WILL BE PROVIDING PANELBOARDS ON THIS PROJECT SHALL BE RESPONSIBLE FOR PERFORMING A SHORT CIRCUIT ANALYSIS AND TIME-CURRENT COORDINATION (TCC) STUDY, WHICH DEMONSTRATES THAT THE UPSTREAM OVERCURRENT PROTECTIVE DEVICE NEAREST TO THE FAULT LOCATION WILL OPERATE BEFORE OVERCURRENT PROTECTIVE DEVICES WHICH ARE FURTHER UPSTREAM (I.E. SELECTIVE COORDINATION). INCLUDE COORDINATION STUDY IN THE SHOP DRAWING PACKAGE FOR THE PANELBOARDS FOR REVIEW BY THE ENGINEER OF RECORD. AIC RATINGS MAY BE LOWERED BASED ON STUDY.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

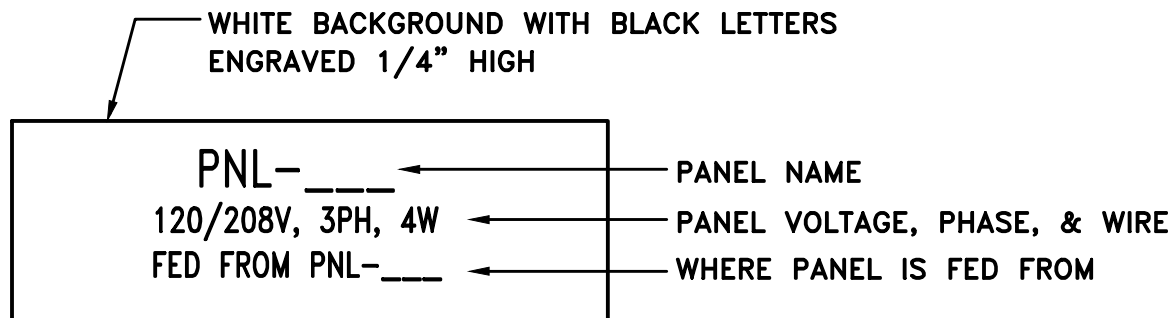
NOTES:

- CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.

1
E4.2

DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

NO SCALE



TYPICAL NORMAL POWER NAMEPLATE

2
E5.1

DETAIL - TYPICAL PANELBOARD NAMEPLATE

NO SCALE



NOTES:

- PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
- THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
- THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
- THE SIZE OF THE LABEL SHALL BE:
EQUIPMENT TYPE HEIGHT WIDTH
INDOOR 4" 6"
OUTDOOR 4" 6"

ARC FLASH WARNING LABELS

NO SCALE

3
E5.1

SHEET NOTES:

- NEW BUILDINGS SHALL BE METERED SEPARATELY FROM EXISTING FACILITY METER SO NOT TO INTERRUPT EXISTING APC UTILITY RATE. COORDINATE WITH APC FOR SPECIFIC LOCATION AND REQUIREMENTS FOR METER AND C.T. COORDINATE WITH APC FOR SPECIFIC ROUTING OF CONDUIT PRIOR TO BID. SEE SITE PLAN E1.1. IF FEED-THRU METER IS REQUIRE, PROVIDE 400/3/3R FUSED DISCONNECT ON PRIMARY SIDE OF FEED-THRU METER.
- INSTALL A MINIMUM 1-1/4" CONDUIT FROM THE SECONDARY CONNECTION COMPARTMENT OF THE PADMOUNT TRANSFORMER TO THE METER BASE. VERIFY THE EXACT CONDUIT SIZE, TERMINATION POINTS, AND ROUTING WITH APC PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL 4#4/0, 2 1/2"C.
- PROVIDE AND INSTALL 4#4/0, 1#4G., 2 1/2"C.
- PROVIDE AND INSTALL 3#10, 1#10G., 3/4"C.
- PROVIDE AND INSTALL 4#4, 1#10G., 1 1/4"C.
- PROVIDE AND INSTALL 4#1/0, 1#6G., 2"C.
- PROVIDE AND INSTALL NEW 400A/3P/N3R SERVICE ENTRANCE RATED HEAVY DUTY DISCONNECT SWITCH WITH 225A FUSE.

POWER RISER DIAGRAM NOTES:

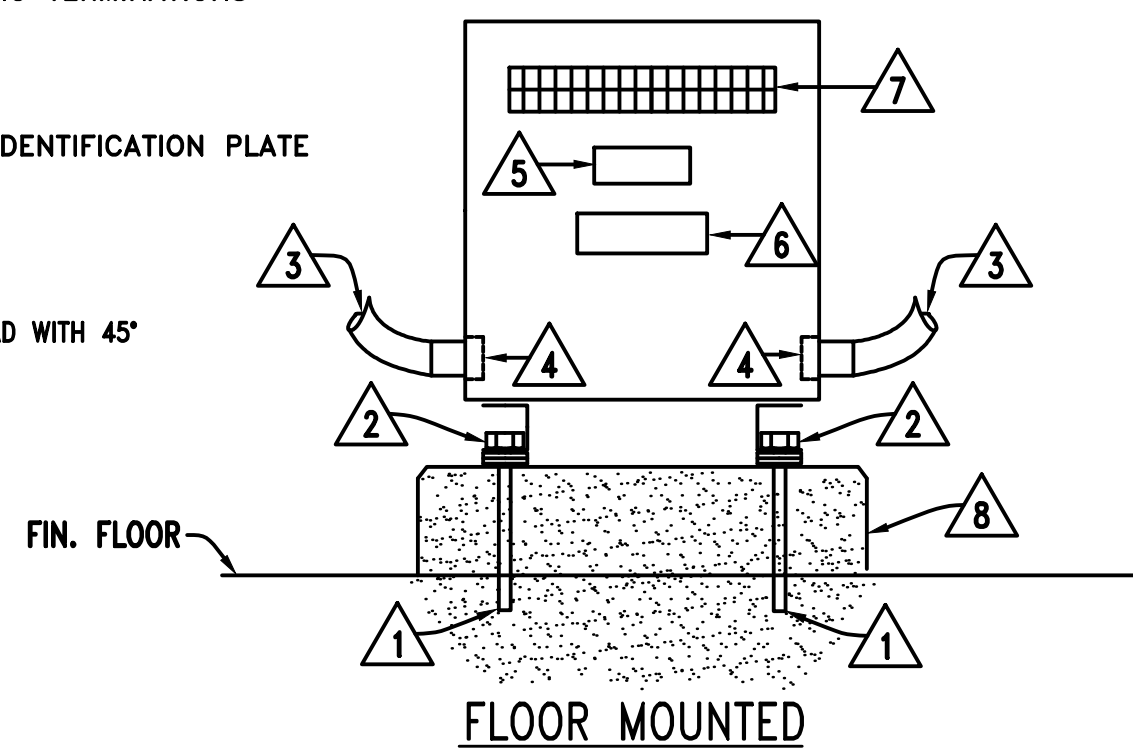
- INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
- CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING. CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
- SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
- PROVIDE 4" CONCRETE HOUSEKEEPING PAD WITH 1" CHAMFER FOR ALL FLOOR MOUNTED TRANSFORMERS. SEE DETAIL 2 THIS SHEET.
- COORDINATE WITH GROUNDING DETAILS ON SHEET E6.2 FOR ALL THE DIFFERENT TYPE GROUNDING REQUIREMENTS.
- ALL UNDERGROUND SECONDARY FEEDERS SHALL BE A MINIMUM OF 36" BELOW GRADE TO THE TOP OF THE DUCT BANK.
- ALL UNDERGROUND PRIMARY FEEDERS SHALL BE A MINIMUM OF 48" BELOW GRADE TO THE TOP OF THE CONDUIT.
- CONTRACTOR SHALL PROVIDE A FULL SIZE COPY OF THE AS-BUILT POWER RISER DIAGRAM FRAMED BEHIND PLEXIGLASS SCREWED TO THE WALL NEAR MAIN SERVICE PANEL.

DETAIL KEYED NOTES

- FLOOR ANCHOR SYSTEM
- VIBRATION ISOLATORS - TYP. FOR FOUR
- FLEXIBLE CONNECTION
- GROUND BUSSING TERMINATIONS
- NAMEPLATE
- TRANSFORMER IDENTIFICATION PLATE
- VENTED COVER
- 4" HIGH CONCRETE HOUSE-KEEPING PAD WITH 45" 1" CHAMFER

INSTALLATION NOTES:

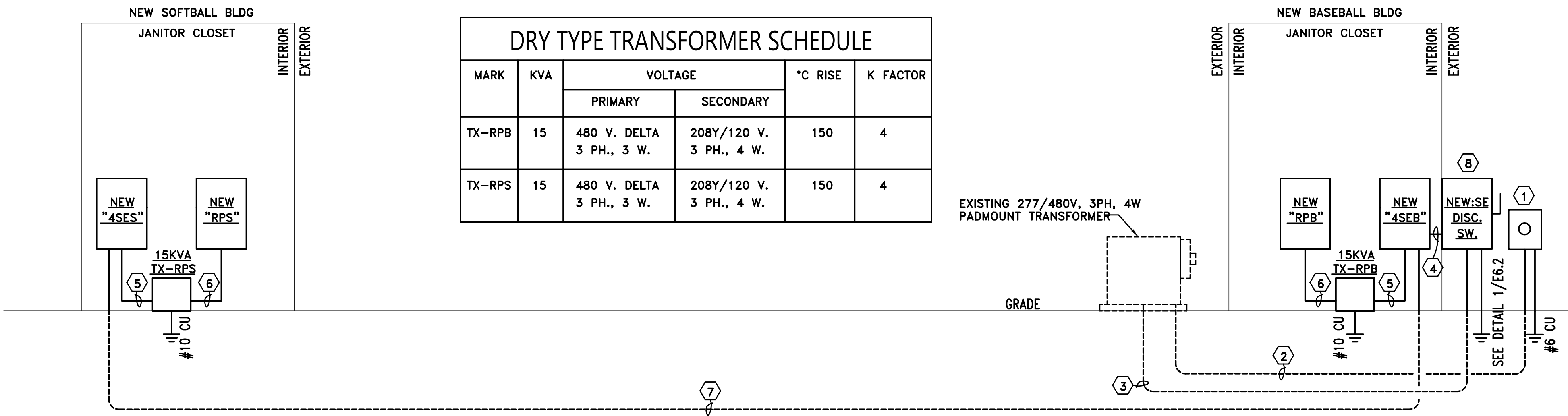
- SIZE ALL SUPPORTS, ANCHOR SYSTEMS, BOLTS, ETC., AS REQUIRED FOR A SECURE INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.



DETAIL-TYPICAL INDOOR INSTALLATION OF DRY TYPE TRANSFORMERS

2
E6.1

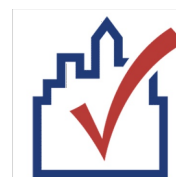
NO SCALE



1
E6.1

POWER RISER DIAGRAM

NO SCALE



COMcheck Software Version 4.1.5.5

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: BASEBALL & SOFTBALL DRESSING ROOMS
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-School/University	1550	0.87	1348
Total Allowed Watts =			1348

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-School/University LED 1: LS4: LED Panel 41W:	1	16	42	672
Total Proposed Watts =				672

Interior Lighting PASSES: Design 50% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Audrey Bruner - Elect. Designer
Name - Title Signature Date 7-13-26

Project Title: BASEBALL & SOFTBALL DRESSING ROOMS
Data filename: Untitled.cck
Report date: 07/13/26
Page 1 of 6



COMcheck Software Version 4.1.5.5

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: BASEBALL & SOFTBALL DRESSING ROOMS
Project Type: New Construction
Exterior Lighting Zone: 2 (Neighborhood business district (LZ2))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Main entry	3 ft of door	20	Yes	60
Other door (not main entry)	3 ft of door	20	Yes	60
Walkway >= 10 feet wide	2164 ft2	0.14	Yes	303
Total Tradable Watts (a) =				423
Total Allowed Watts =				423
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main entry (3 ft of door width): Tradable Wattage LED 1: WP1: LED Roadway-Parking Unit 42W:	1	1	49	49
Other door (not main entry) (3 ft of door width): Tradable Wattage LED 2: WP1: LED Roadway-Parking Unit 42W:	1	1	49	49
Walkway >= 10 feet wide (2164 ft2): Tradable Wattage LED 3: WP1: LED Roadway-Parking Unit 42W:	1	4	49	196
Total Tradable Proposed Watts =				294

Exterior Lighting PASSES: Design 71% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Audrey Bruner - Elect. Designer
Name - Title Signature Date 7-13-26

Project Title: BASEBALL & SOFTBALL DRESSING ROOMS
Data filename: Untitled.cck
Report date: 07/13/26
Page 2 of 6

GROUNDING AND BONDING INSTALLATION NOTES

- ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC, NESC, IEEE, ANSI AND UL STANDARDS.
- ALL DIMENSIONING INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
- THE PURPOSE OF THE GROUNDING AND BONDING SYSTEM IS TO ESTABLISH ALL EQUIPMENT ENCLOSURES, NON-CURRENT CARRYING METALLIC PORTIONS OF THE ELECTRICAL DISTRIBUTION SYSTEM, METAL PIPING, METAL BUILDING FRAME, ETC., AT A ZERO POTENTIAL RELATIVE TO THE EARTH GROUND AND PROVIDE FOR A SAFE, LOW IMPEDANCE RETURN PATH FOR GROUND-FAULT CURRENT. THIS SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:
 - PROVIDE A SOLIDLY GROUNDED SECONDARY SYSTEM.
 - INTER-CONNECT ALL GROUND BUSES AND POINTS IN THE SYSTEM WITH A COPPER GRD CONDUCTOR (BUS) SYSTEM.
 - ALL METALLIC RACEWAYS SHALL BE UL APPROVED AND MADE-UP TIGHT AT ALL COUPLINGS AND TERMINATIONS.
 - ALL GROUND CONDUCTORS IN CIRCUITS SHALL BE CONTAINED WITHIN THE SAME RACEWAY AS CURRENT CARRYING CONDUCTORS.
 - ALL SPLICES AND TERMINATIONS SHALL BE MADE TIGHT AND AS SUCH TO PROVIDE LOW IMPEDANCE AND SHALL HAVE THE SAME SHORT-TIME CURRENT-CARRYING CAPABILITY AS THE CONDUCTOR IT IS CONNECTED TO.
 - ALL GRD ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITHIN A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THROUGH THE BUSHING LUG PRIOR TO TERMINATION.

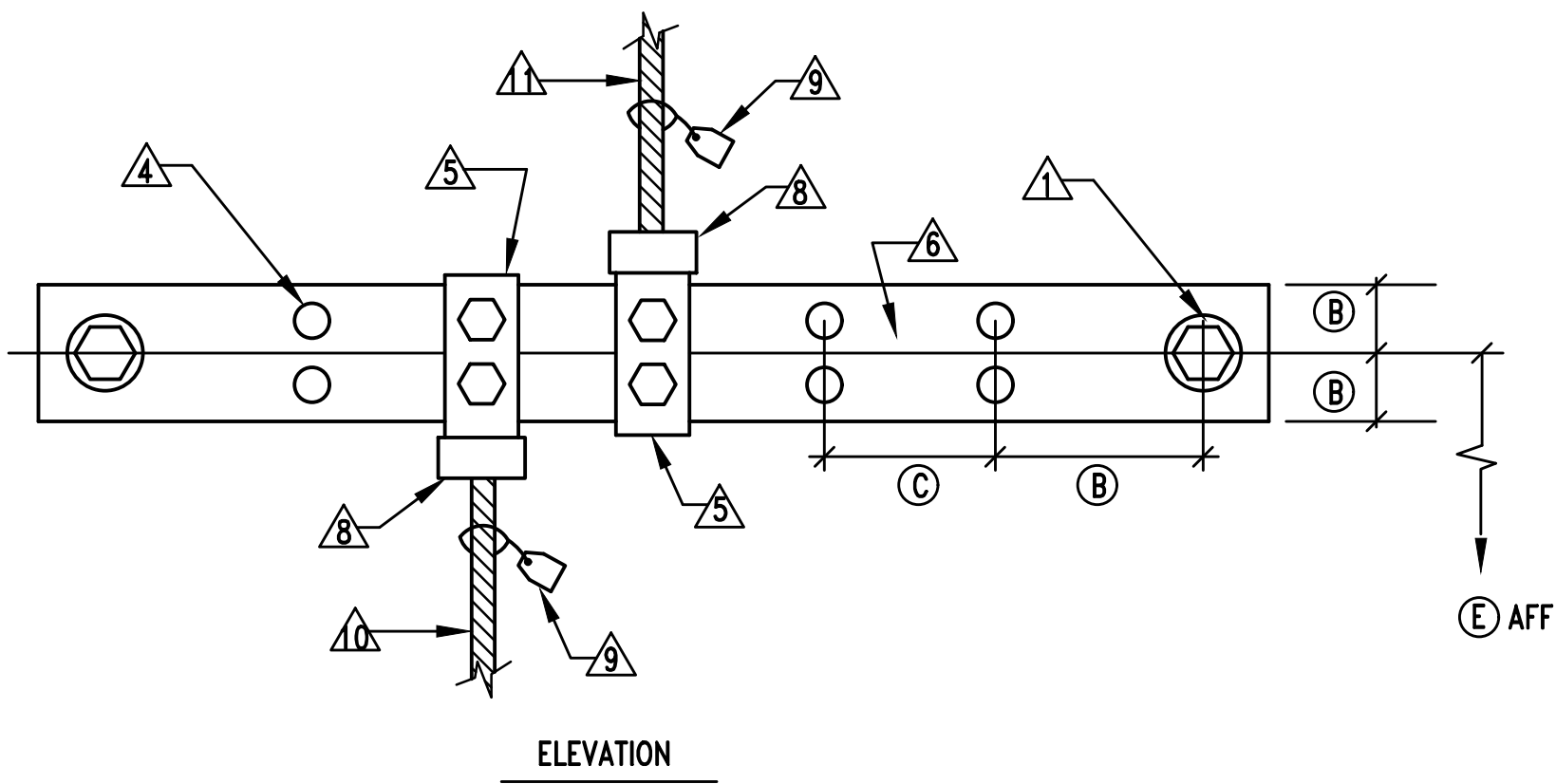
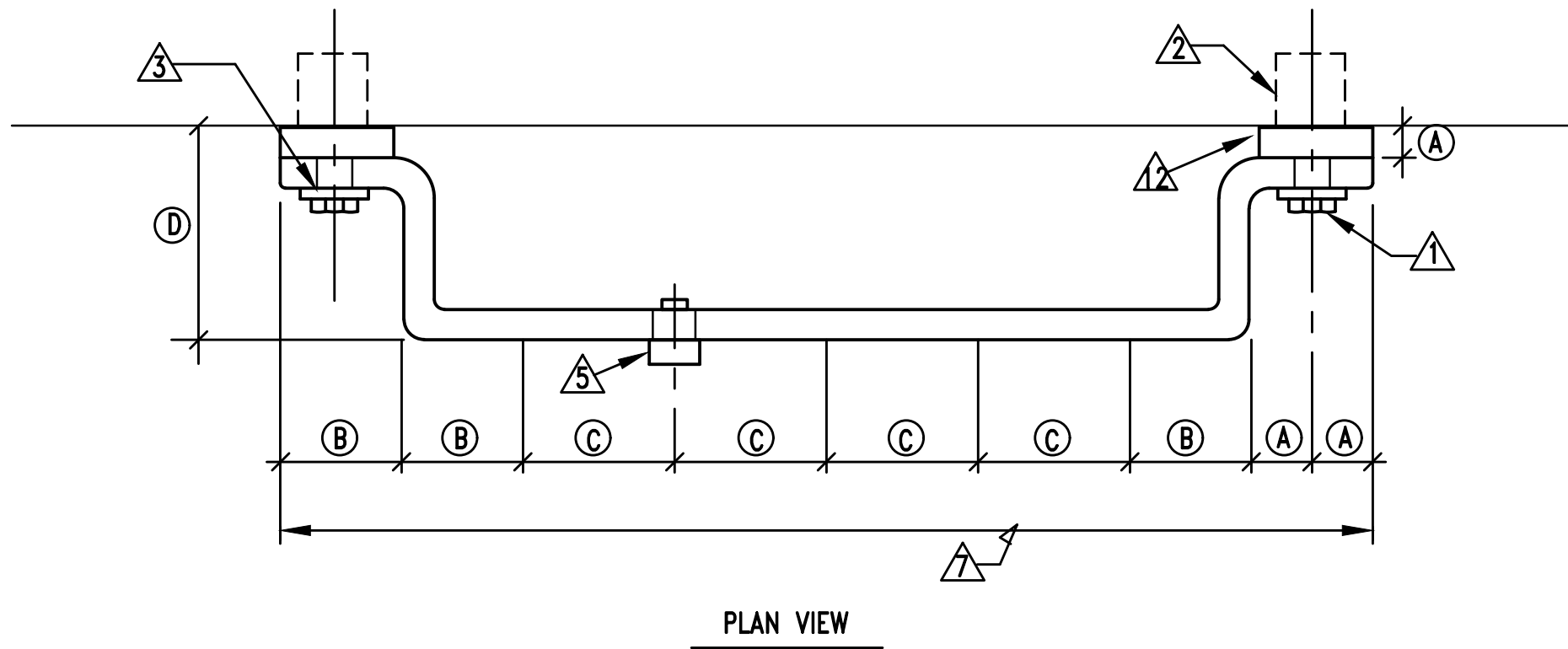
GROUND BUS NOTES

- GROUND BUS INSTALLATION SHALL BE IN ACCORDANCE WITH THIS DETAIL AND AS INDICATED ON THE DRAWINGS.

KEYED NOTES

- 1 1/2" (12.7mm) X 1 1/2" (38.1mm) SILICON-BRONZE MACHINE BOLT & SILICON-BRONZE WASHER
- 1/2" (12.7mm) EXPANSION ANCHOR
- 9/16" (14.2875mm) HOLE IN BAR
- DRILLED DOUBLE CONNECTOR HOLES
- FLAT, TWO-HOLE CU CABLE CONNECTOR #6 TO #2 (DOUBLE LUGS) #1 TO #4/0 (SINGLE LUGS ONLY)
- 4" (101.6mm) WIDE, 1/4" (6.35mm) DEEP COPPER BUS BAR.
- LENGTH AS REQUIRED BY NUMBER OF CONDUCTOR CONNECTIONS OR AS SPECIFICALLY INDICATED. PROVIDE INTERMEDIATE WALL SUPPORTS AS REQUIRED.
- TYP CU GRD CONDUCTOR CONNECTION
- DESCRIPTION TAG. STATE SIZE OF CONDUCTOR AND TO WHAT IT IS CONNECTED TO.
- TYP GRD CONNECTION FROM BELOW. SEE APPLICABLE DETAILS FOR SLAB PENETRATIONS.
- TYP GRD CONNECTION FROM ABOVE. SEE APPLICABLE DETAILS FOR GRC INSTALLATIONS.
- INSULATED NON-CONDUCTIVE SPACER

DIMENSION BLOCK		
REF	ENGLISH	SI
A	1"	25.4mm
B	2"	50.8mm
C	2 1/2"	63.5mm
D	3"	76.2mm
E	1'-6"	.4572m

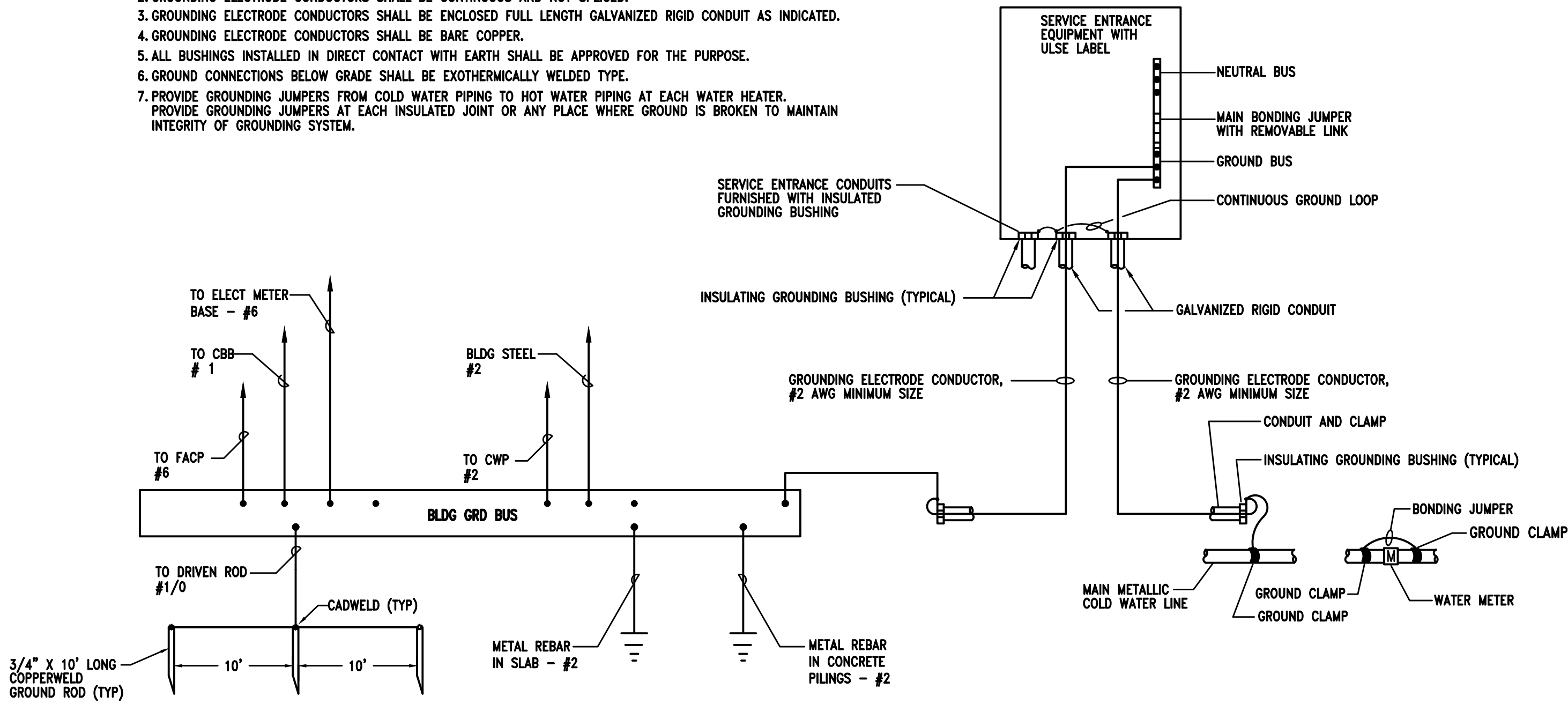


DETAIL - TYPICAL GROUND BUS INSTALLATION

E6.2 NO SCALE

NOTES

- GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250
- GROUNDING ELECTRODE CONDUCTORS SHALL BE CONTINUOUS AND NOT SPLICED.
- GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH GALVANIZED RIGID CONDUIT AS INDICATED.
- GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER.
- ALL BUSHINGS INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
- GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMICALLY WELDED TYPE.
- PROVIDE GROUNDING JUMPERS FROM COLD WATER PIPING TO HOT WATER PIPING AT EACH WATER HEATER. PROVIDE GROUNDING JUMPERS AT EACH INSULATED JOINT OR ANY PLACE WHERE GROUND IS BROKEN TO MAINTAIN INTEGRITY OF GROUNDING SYSTEM.

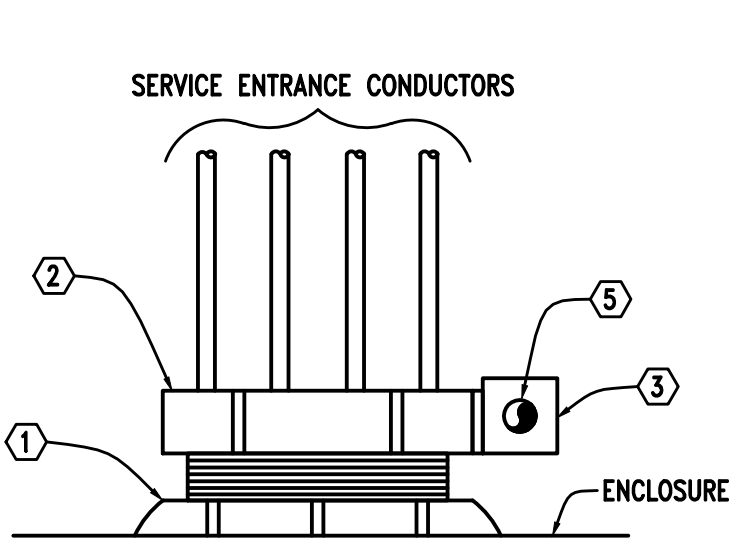


DETAIL - SERVICE ENTRANCE GROUNDING INSTALLATION

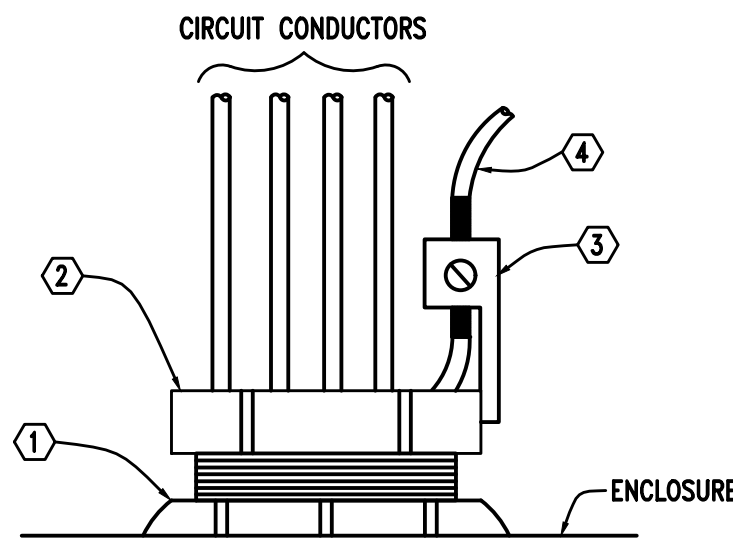
E6.2 NO SCALE

DETAIL NOTES

- LOCK-NUT ASSEMBLIES
- METAL GROUNDING BUSHING
- COPPER GROUND LUG
- COPPER GROUND CONDUCTOR. REMOVE INSULATION AT BUSHING. RUN THROUGH BUSHING LUG AND BOND TO RACEWAY SYSTEM. DO NOT SPLICE OR TAP.
- CONTINUOUS COPPER GROUND CONDUCTOR FROM GROUND BUS THROUGH EACH BUSHING. DO NOT SPLICE OR TAP.



FOR SERVICE ENTRANCE CONDUITS



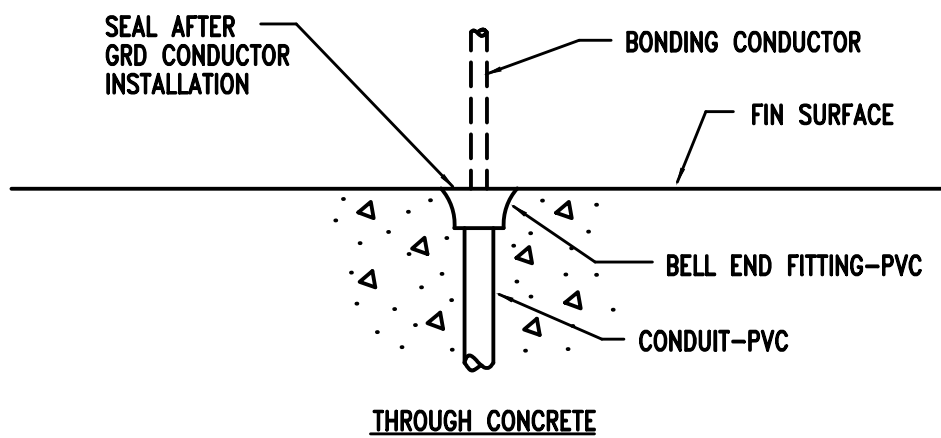
FOR FEEDER AND/OR BRANCH CIRCUITS

DETAIL - TYPICAL GROUND BUSHING INSTALLATION

E6.1 NO SCALE

NOTES

- ALL GROUND ELECTRODE CONDUCTORS, SYSTEM BONDING CONDUCTORS, ETC., RUN SEPARATELY SHALL BE PROTECTED BY A CONDUIT SYSTEM.
- ALL SYSTEM GROUNDING OR BONDING CONDUCTORS SHALL GENERALLY BE ENCLOSED BY A GRC CONDUIT. PROVIDE GROUND BUSHINGS ON EACH END AND BOND CONDUCTORS TO RACEWAY SYSTEM.
- SYSTEM BONDING CONDUCTORS THAT PENETRATE CONCRETE SLABS SHALL BE ENCLOSED BY A PVC CONDUIT. PROVIDE BELL END FITTING ON EACH END AND SEAL. THOSE TERMINATING AT A STUB-UP SHALL BE FLUSH WITH FLOOR.



DETAIL - TYPICAL GROUND CONDUCTOR IN CONDUIT SYSTEM

E6.2 NO SCALE

