CONSTRUCTION PLANS FOR

SABINE RIVER AUTHORITY OF TEXAS
PENDLETON OFFICE

HEMPHILL, TEXAS

SABINE COUNTY

July 2025

RFB 26-1201

PREPARED FOR:

SABINE RIVER AUTHORITY OF TEXAS

BOARD OF DIRECTORS:

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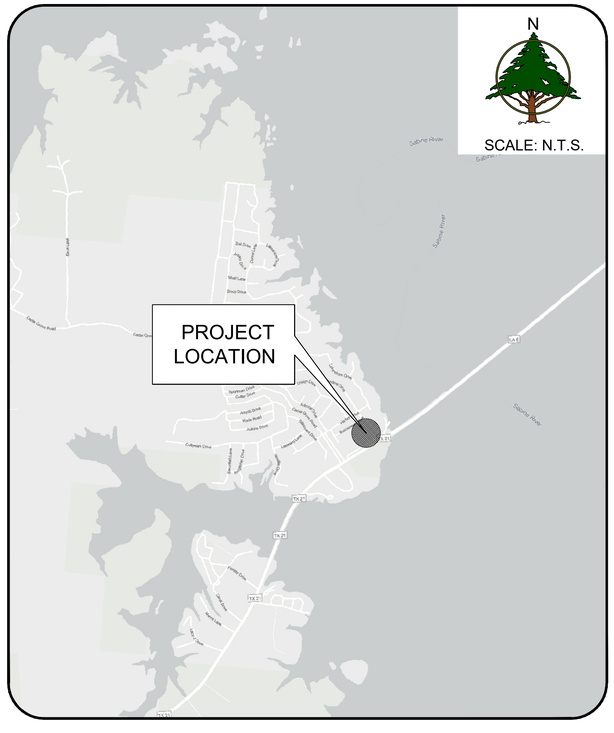
DAVID MONTAGNE	EXECUTIVE VICE-PRESIDENT & GENERAL MANAGER

VICINITY MAP



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HEMPHILL, TX

STATE OF TEXAS
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107759
LICENSED
PROFESSIONAL ENGINEER
7/16/2025

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
COVER SHEET
C1

GENERAL CONSTRUCTION NOTES:

1. ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL UTILITY LOCATIONS MAY VARY FROM THE LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.

2. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY PROVIDED BY FREEMAN SURVEYING & MAPPING, LLC. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR OMISSIONS TO THE TOPOGRAPHIC INFORMATION. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION (HORIZONTAL/VERTICAL) OF ANY BURIED CABLES, CONDUITS, PIPES, AND STRUCTURES (STORM SEWER, SANITARY SEWER, WATER, GAS, TELEVISION, TELEPHONE, ETC.) WHICH IMPACT THE CONSTRUCTION SITE. THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE ACTUAL CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION PLANS. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL LOCATION (HORIZONTAL/VERTICAL) OF SAID CABLES, CONDUITS, PIPES, AND STRUCTURES SHALL BE BORNE BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY ERRORS OR DISCREPANCIES ARE FOUND ON THE CONSTRUCTION DOCUMENTS (PS&E), WHICH NEGATIVELY IMPACT THE PROJECT. THE ENGINEER AND OWNER SHALL BE INDEMNIFIED OF PROBLEMS AND/OR COST WHICH MAY RESULT FROM CONTRACTOR'S FAILURE TO NOTIFY ENGINEER AND OWNER.

3. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, PAVEMENT, STRIPING, CURB, SIDEWALKS, DRIVEWAYS, FENCES, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS. DAMAGE TO ANY UTILITY SHALL BE REPAIRED BY THE UTILITY OWNER BUT AT CONTRACTOR'S EXPENSE.

4. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURE. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.

5. ALL WORK ON THESE PLANS SHALL BE DONE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS.

6. DURING CONSTRUCTION OF THESE IMPROVEMENTS, ANY DEVIATION FROM THESE SPECIFICATIONS WILL REQUIRE APPROVAL IN WRITING FROM THE OWNER AND HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES.

7. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND REQUIREMENTS. CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE UTILITY COMPANIES AND OWNER'S INSPECTING AUTHORITIES.

8. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL PROPERTY CORNER MONUMENTS, AND SHALL HAVE REPLACED, AT CONTRACTOR'S EXPENSE, ALL CORNER MONUMENTS WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITIES.

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION AND MAINTAINED TO FULLY FUNCTION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED THAN WHAT IS SHOWN ON THE PLANS.

2. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND IMPLEMENTING A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE TPDES.

3. PLACE STABILIZATION FABRIC ON ALL SLOPES STEEPER THAN 3H:1V. CONTRACTOR SHALL PLACE FOUR (4) INCHES OF TOPSOIL (LOOSE) ON ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATIONS UNLESS OTHERWISE NOTED ON LANDSCAPE PLANS. SEED OR SOD ALL DISTURBED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS AND MAINTAIN SAME UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. THE SPECIFIC PLANT MATERIALS PROPOSED TO PROTECT FILL AND EXCAVATED SLOPES SHALL BE SUITABLE FOR USE UNDER LOCAL CLIMATE AND SOIL CONDITIONS. IN GENERAL, HYDROSEEDING OR SODDING BERMUDA GRASS IS ACCEPTABLE DURING THE SUMMER MONTHS (MAY 1ST TO AUGUST 31ST). WINTER RYE OR FESCUE GRASS MAY BE PLANTED DURING TIMES OTHER THAN THE SUMMER MONTHS AS A TEMPORARY MEASURE UNTIL SUCH TIME AS THE PERMANENT PLANTING CAN BE MADE.

4. AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED.

5. AT COMPLETION OF THE PAVING AND FINAL GRADING, THE DISTURBED AREA(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS.

6. SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED.

7. DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND RE-SEEDED OR RE-SODDED, IF NECESSARY.

8. THERE IS TO BE ONE CONCRETE WASH-OUT PIT LOCATED ON THE SITE. THE LOCATION OF THIS WASH-OUT PIT IS TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY DISPOSE OF ALL EXCESS CONCRETE MATERIAL.

9. LOCATION OF CONSTRUCTION EXITS SHALL BE PLACED IN THE FIELD AND APPROVED BY THE ENGINEER.

10. THE CONTRACTOR WILL BE REQUIRED TO FILE A NOTICE OF INTENT (NOI) PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MONITOR SITE EROSION THROUGHOUT THE CONSTRUCTION PROCESS. ONCE THE PROJECT IS COMPLETED, THE CONTRACTOR SHALL FILE THE REQUIRED NOTICE OF TERMINATION (NOT) WITH THE EPA.

11. ALL WASTE MANAGEMENT PRACTICES (EXISTING HAZARDOUS WASTE, SOLID WASTE, CONCRETE WASTE, ETC.) SHALL COMPLY WITH TCEQ REQUIREMENTS.

DEMOLITION NOTES:

1. NO EARTH-DISTURBING ACTIVITIES SHALL COMMENCE UNTIL ALL PERIMETER EROSION CONTROL MEASURES ARE IN PLACE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN SITE MAP OR EROSION CONTROL PLAN AND THE SPECIFICATIONS.

2. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION, AND DISPOSAL OF ALL DEMOLITION DEBRIS.

3. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS FOR DEMOLITION OF STRUCTURES.

4. NOTES SHOWN HEREON REGARDING SPECIFIC ITEMS OF DEMOLITION ARE GENERAL IN NATURE, AND ARE NOT INTENDED TO BE WHOLLY INCLUSIVE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND DETERMINING THE EXTENT OF EXISTING IMPROVEMENTS TO BE REMOVED FROM THE SITE.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANIES ON THE DISCONNECTION OR TERMINATION OF ANY UTILITIES SERVING THIS AREA.

7. ALL FENCING AND OTHER MAN-MADE ELEMENTS, ETC., WITHIN CONSTRUCTION AREA, UNLESS OTHERWISE IDENTIFIED, SHALL BE REMOVED AND DISPOSED OF OFF SITE.

8. REMOVAL OF ANY TREES OTHER THAN THOSE SPECIFIED IN THESE PLANS SHALL BE COORDINATED WITH THE OWNER. THIS REMOVAL SHALL INCLUDE THE ROOT BALL OF THE TREES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED DEMOLITION PERMITS.

10. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DEMOLITION, SITE PREPARATION AND EARTHWORK FOR THIS PROJECT.

PAVING / DRAINAGE NOTES:

1. NO EARTH-DISTURBING ACTIVITIES SHALL COMMENCE UNTIL ALL PERMITS HAVE BEEN OBTAINED AND PERIMETER EROSION CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL T.P.D.E.S. PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.

3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.

4. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE GROUTED WITH NON-SHRINK GROUT TO ASSURE A WATER-TIGHT FIT.

5. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES LOCATED IN PAVED OR OTHER VEHICULAR AREAS SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.

6. ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE OF MAX. 5.0% AND CROSS SLOPE OF MAX. 2.0%, PER TAS REQUIREMENTS.

7. RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE SITEWORK SPECIFICATIONS & DETAILS.

8. IF THE CONTRACTOR RELOCATES BENCHMARK WITH A NEW BENCHMARK, IT SHALL BE LOCATED WITHIN A TOLERANCE OF 0.010 FEET.

9. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT, WHERE APPLICABLE.

10. CONTRACTOR SHALL MATCH EXISTING CURB AND GUTTER IN GRADE, SIZE, TYPE AND ALIGNMENT AT ADJACENT ROADWAYS.

11. ADJUST PAVEMENT AND/OR CURB ELEVATIONS AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE WITH EXISTING, WHERE APPLICABLE.

12. DRAINAGE SHALL BE MAINTAINED AWAY FROM FOUNDATIONS, BOTH DURING AND AFTER CONSTRUCTION.

13. ALL EARTHWORK AND PAVING OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS PER THE GEOTECHNICAL REPORT (PROJECT #93235013) BY TERRACON DATED 4/4/2023.

14. ALL PROPOSED CONTOURS AND SPOT GRADES ARE FOR THE FINISHED SURFACE. CONTRACTOR SHALL ADJUST ROUGH GRADING AS NEEDED TO ACCOUNT FOR IMPORT MATERIALS.

15. ALL PAVING AND DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS. WHERE ANY QUESTIONS ARISE AS TO THE INTERPRETATION OF THE STANDARDS OF DESIGN, PLEASE CONTACT THE CONSULTANT.

SPECIAL CONDITIONS:

1. PRIOR TO THE INITIATION OF ANY WORK AUTHORIZED BY THIS PERMIT, FLOATING TURBIDITY SCREENS WITH WEIGHTED SKIRTS THAT EXTEND TO WITHIN 1 FT, OF THE BOTTOM SHALL BE PLACED AROUND THE PROJECT AS APPROPRIATE. THE SCREENS THAT ARE PLACED AROUND THE PROJECT SHALL BE MAINTAINED AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. THE PERMITTEE SHALL BE RESPONSIBLE FOR ENSURING THAT TURBIDITY CONTROL DEVICES ARE INSPECTED DAILY AND MAINTAINED IN GOOD WORKING ORDER.

THE FOLLOWING MEASURES SHALL BE TAKEN BY THE PERMITTEE IF TURBIDITY LEVELS MAY VIOLATE TEXAS WATER QUALITY STANDARDS:

   a. IMMEDIATELY CEASE ALL WORK CONTRIBUTING TO THE WATER QUALITY VIOLATION.

   b. STABILIZE ALL SOILS CONTRIBUTING TO THE VIOLATION, MODIFY THE WORK PROCEDURES THAT WERE RESPONSIBLE FOR THE VIOLATION, AND INSTALL MORE TURBIDITY CONTAINMENT DEVICES AND REPAIR ANY NON-FUNCTIONING TURBIDITY CONTAINMENT DEVICES.

2. THERE SHALL BE NO STORAGE OR STOCKPILING OF TOOLS, EQUIPMENT, EXCAVATED / DREDGED MATERIAL, ETC. WITHIN WATERS OF THE U.S. ALL CLEARED/EXCAVATED MATERIAL AND ANY OTHER TYPE OF DEBRIS SHALL BE REMOVED FROM WATERS OF THE U.S. WITHIN 14 DAYS OF COMPLETION OF THE WORK AUTHORIZED IN THIS PERMIT.

3. BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION CONTROL SHALL BE IMPLEMENTED AND MAINTAINED AT ALL TIMES AROUND SEDIMENT DISPOSAL AREAS TO PREVENT SILTATION AND TURBID DISCHARGES THAT MAY VIOLATE TEXAS WATER QUALITY STANDARDS. METHODS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE USE OF STAKED HAY BALES, STAKED FILTER CLOTH, SODDING, SEEDING, AND MULCHING. THE PERMITTEE SHALL BE RESPONSIBLE FOR ENSURING THAT EROSION CONTROL DEVICES / PROCEDURES ARE INSPECTED AND MAINTAINED DAILY DURING ACTIVITIES AUTHORIZED BY THIS PERMIT UNTIL ALL AREAS THAT WERE DISTURBED DURING THE PROJECT ARE SUFFICIENTLY STABILIZED TO PREVENT EROSION, SILTATION, AND TURBID DISCHARGES.

4. THE PERMITTEE SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO REDUCE THE RISK OF TRANSFERRING INVASIVE PLANT AND ANIMAL SPECIES TO OR FROM PROJECT SITES. INFORMATION CONCERNING STATE SPECIFIC LISTS AND THREATS CAN BE FOUND AT: HTTPS://WWW.INVASIVESPECIESINFO.GOV/US/TEXAS. BEST MANAGEMENT PRACTICES CAN BE FOUND AT: HTTPS://WWW.INVASIVESPECIESINFO.GOV/SUBJECT/PREVENTION. KNOWN ZEBRA MUSSEL WATERS CAN BE FOUND AT: HTTPS://NAS.ER.USGS.GOV/QUERIES/FACTSHEET.ASPX?SPECIESID=5 .

5. THE PERMITTEE SHALL IMPLEMENT AND ABIDE BY THE MITIGATION PLAN TITLED "ATTACHMENT B AND FUNCTIONAL ASSESSMENT" IN THE MATERIALS RECEIVED FEBRUARY 10, 2022, PREPARED BY HYDREX ENVIRONMENTAL, EXCEPT WHERE CHANGES ARE NECESSARY TO COMPLY WITH SPECIAL CONDITIONS LISTED BELOW. THE PERMITTEE SHALL IMPLEMENT THE MITIGATION PLAN CONCURRENTLY WITH THE CONSTRUCTION OF THE PROJECT. COMPLETION OF ALL ELEMENTS OF THIS MITIGATION PLAN IS A REQUIREMENT OF THIS PERMIT.

6. THE PERMITTEE SHALL DEBIT 1.3 CREDITS FROM THE WEST MINEOLA MITIGATION BANK IN COMPLIANCE WITH THE PROVISIONS OF THE "MITIGATION BANKING INSTRUMENT, WEST MINEOLA MITIGATION BANK, WOOD COUNTY, TEXAS," DATED JULY 16, 2004. THIS DEBIT SHALL COMPENSATE OFF-SITE FOR UNAVOIDABLE ADVERSE PROJECT IMPACTS THAT WOULD NOT BE COMPENSATED FOR BY ON-SITE MITIGATION. THE PERMITTEE SHALL COMPLETE THE MITIGATION BANK TRANSACTION AND PROVIDE DOCUMENTATION TO THE USACE THAT THE TRANSACTION HAS OCCURRED PRIOR TO COMMENCING ANY GROUNDDISTURBING ACTIVITY WITHIN WATERS OF THE UNITED STATES.

7. THE PERMITTEE UNDERSTANDS AND AGREES THAT, IF FUTURE OPERATIONS BY THE UNITED STATES REQUIRE THE REMOVAL, RELOCATION, OR OTHER ALTERATION, OF THE STRUCTURE OR WORK HEREIN AUTHORIZED, OR IF, IN THE OPINION OF THE SECRETARY OF THE ARMY OR HIS AUTHORIZED REPRESENTATIVE, SAID STRUCTURE OR WORK SHALL CAUSE UNREASONABLE OBSTRUCTION TO THE FREE NAVIGATION OF THE NAVIGABLE WATERS, THE PERMITTEE WILL BE REQUIRED, UPON DUE NOTICE FROM THE CORPS OF ENGINEERS, TO REMOVE, RELOCATE, OR ALTER THE STRUCTURAL WORK OR OBSTRUCTIONS CAUSED THEREBY, WITHOUT EXPENSE TO THE UNITED STATES. NO CLAIM SHALL BE MADE AGAINST THE UNITED STATES ON ACCOUNT OF ANY SUCH REMOVAL OR ALTERATION.

8. THE PERMITTEE SHALL TAKE THE FOLLOWING MEASURES TO ENSURE PROTECTION OF HISTORIC PROPERTIES. THE PERMITTEE SHALL ENSURE THAT ALL RESULTS FROM THE PHASE I CULTURAL RESOURCE SURVEY ARE PROVIDED AS A REPORT TO USACE AND THE TEXAS HISTORICAL COMMISSION FOR REVIEW AND APPROVAL. IF BURIED CULTURAL REMAINS ARE ENCOUNTERED DURING CONSTRUCTION, THE REMAINS SHALL BE AVOIDED AND THE USACE CONTACTED TO ASSESS THE SITE FOR ELIGIBILITY TO THE NATIONAL REGISTER OF HISTORIC PLACES AND TO COMPLY WITH 33 CFR 325, APPENDIX C AND 36 CFR 800.

CONTRACTOR IS MADE AWARE OF THE FOLLOWING CONDITIONS REQUIRED BY THE ENVIRONMENTAL CLEARANCES ISSUED BY THE REGULATORY AGENCIES AND SHALL BE REQUIRED TO FOLLOW AS INDICATED:

1. TEXAS HISTORICAL COMMISSION (THC TRACKING NO. 202205986) REQUIRES THAT THE AREA NEAR THE EL CAMINO REAL SWALES AND CELLAR FEATURES BE AVOIDED. INSTALL PHYSICAL BARRIER (SUCH AS ORANGE FENCING) TO PROTECT THIS AREA.
2. TEXAS PARKS AND WILDLIFE DEPARTMENT (TPWD) REQUIREMENTS:
   - MIGRATORY BIRD TREATY ACT (HTTPS://WWW.FWS.GOV/ALASKA/ALASKA/LAW/MIGRATORY-BIRD-TREATY-ACT-1918), EXCLUDE VEGETATION CLEARING ACTIVITIES DURING THE GENERAL BIRD NESTING SEASON, MARCH 15 THROUGH SEPTEMBER 15, TO AVOID ADVERSE IMPACTS TO BREEDING BIRDS. IF CLEARING VEGETATION DURING THE MIGRATORY BIRD NESTING SEASON IS UNAVOIDABLE, SURVEY THE AREA PROPOSED FOR DISTURBANCE TO ENSURE THAT NO NESTS WITH EGGS OR YOUNG WILL BE DISTURBED BY CONSTRUCTION. IF ACTIVE NESTS ARE OBSERVED, AVOID ACTIVITIES WITHIN A 150-FOOT NON-DISTURBANCE BUFFER UNTIL THE EGGS HAVE HATCHED AND THE YOUNG HAVE FLEDGED.
   - PROJECT LIGHTED STRUCTURES SHOULD CONTAIN THE MINIMUM AMOUNT OF PERMANENT NIGHT-TIME LIGHTING NEEDED FOR SAFETY AND SECURITY. FOCUS LIGHTS DOWNWARD, WITH FULL CUTOFF LUMINARIES TO AVOID EMITTING LIGHT ABOVE THE HORIZONTAL, AND INSTALL DARK-SKY LIGHTING, DOWN-SHIELDED, AND MINIMIZE BLUE LIGHT EMISSIONS PER CONTRACT PLANS AND SPECIFICATIONS. TO ENSURE COMPLIANCE WITH THE BALD AND GOLDEN EAGLE PROTECTION ACT (BGEPA), PROJECT ACTIVITIES SHOULD BE PERFORMED IN ACCORDANCE WITH THE USFWS NATIONAL BALD EAGLE MANAGEMENT GUIDELINES.
   - TO MINIMIZE POTENTIAL IMPACTS TO AVIAN SPECIES, PLEASE REVIEW THE MIGRATORY BIRD TREATY ACT SECTION ABOVE FOR RECOMMENDATIONS AS THEY ARE ALSO APPLICABLE FOR COMPLIANCE WITH PARKS AND WILDLIFE CODE (PWC) SECTION 64.002 AND SECTION 64.003.
   - TO ENSURE COMPLIANCE WITH PWC CHAPTER 68, FOR ENCOUNTERS WITH RARE SPECIES THAT WILL NOT READILY LEAVE THE PREMISES A PERMITTED INDIVIDUAL MUST TRANSLOCATE THE ANIMAL. TERRESTRIAL STATE-LISTED SPECIES MAY ONLY BE HANDLED BY PERSONS AUTHORIZED THROUGH THE TPWD WILDLIFE PERMITS OFFICE FOR RELOCATION. CONTRACTOR TO CONTACT OWNER TO REQUEST ASSISTANCE UPON DISCOVERY.
   - GENERAL CONSERVATION BMPS RECOMMENDED TO AVOID OR MINIMIZE POTENTIAL IMPACTS TO WILDLIFE RESOURCES POTENTIALLY OCCURRING AT THE CONSTRUCTION SITE:
     - THERE IS A POTENTIAL FOR STATE-LISTED THREATENED SPECIES OR SPECIES OF GREATEST CONSERVATION NEED (SGCN) TO OCCUR IN THE PROJECT AREA. AVOID IMPACTS TO ALL WILDLIFE THAT ARE ENCOUNTERED.
     - SMALL VERTEBRATES INCLUDING SNAKES, LIZARDS, TOADS, AND MICE FALL INTO TRENCHES AND BECOME TRAPPED. WHERE TRENCHING IS INVOLVED, MINIMIZE THE LENGTH OF TRENCHES LEFT OPEN AT ANY GIVEN TIME DURING CONSTRUCTION. TRENCHES LEFT OPEN FOR MORE THAN TWO DAYLIGHT HOURS SHOULD BE INSPECTED FOR THE PRESENCE OF TRAPPED WILDLIFE PRIOR TO BACKFILLING. IF TRENCHES CANNOT BE BACKFILLED THE DAY OF INITIAL TRENCHING, THEN ESCAPE RAMPS, IN THE FORM OF SHORT LATERAL TRENCHES SLOPING TO THE SURFACE AT AN ANGLE OF LESS THAN 45 DEGREES, SHOULD BE INSTALLED.
3. UNITED STATES FISH AND WILDLIFE SERVICE REQUIREMENTS:
   - REDUCE SEDIMENTATION WITHIN RIVERS, STREAMS, AND TRIBUTARIES CROSSED BY A PROJECT, AND IMPLEMENT THE BEST MANAGEMENT PRACTICES. INSTALL SEDIMENT CONTROL FEATURES AND MAINTAIN THROUGHOUT THE PROJECT AS SHOWN ON THE PLANS. AVOID DISTURBANCE OF CONSTRUCTION ACTIVITIES AND PROJECT OPERATIONS TO BREEDING BIRD NESTING SITES. CONTACT OWNER IF NESTING AREAS ARE FOUND DURING PROJECT CONSTRUCTION.

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

L:\River Authorities\Sabine River Authority\22-075 Pendleton Office Building (SRA)\CAD\03 - Production\GENERAL NOTES.DWG

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HEMPHILL, TX

STATE OF TEXAS
WILLIAM H. SPENCER
107759
LICENSED
PROFESSIONAL ENGINEER
1/11/2024

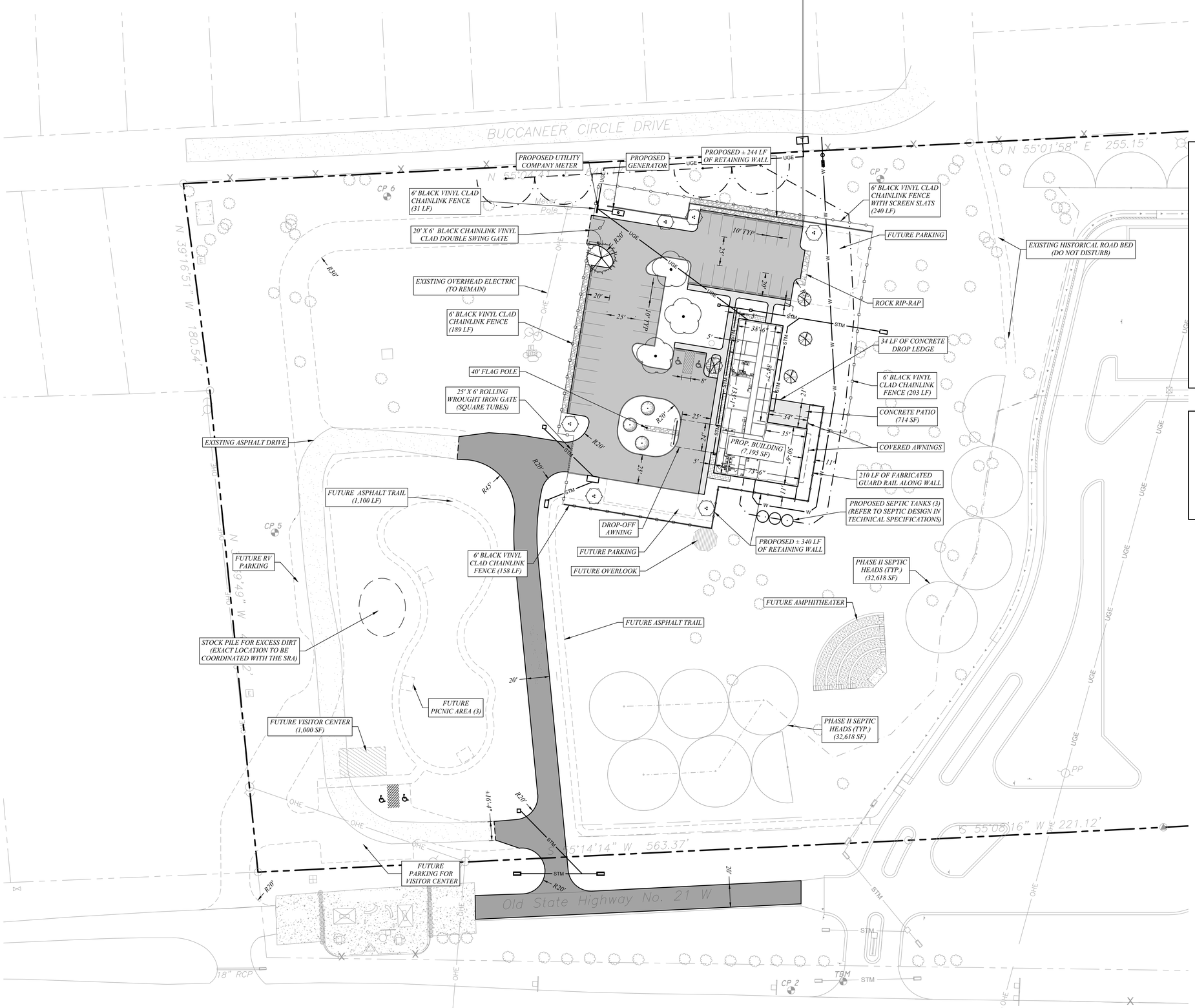
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED. AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025

SHEET NUMBER
GENERAL NOTES
C2



0 40 80 FEET

GRAPHIC SCALE

LEGEND

- PROPERTY LINE
- STM — STORM SEWER PIPE
- W — WATER LINE
- UGE — UNDERGROUND ELECTRIC
- SEPTIC LINE
- RETAINING WALL
- 4" CONCRETE SIDEWALK
- 6" CONCRETE
- ASPHALT PAVING
- LANDSCAPE BED
- RAINBOW RIVER ROCK

PARKING SUMMARY

STANDARD SPACES PROVIDED	37
ACCESSIBLE SPACES REQUIRED	2
ACCESSIBLE SPACES PROVIDED	2
TOTAL PARKING SPACES PROVIDED	39

Know what's below.
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STATE OF TEXAS
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107759
LICENSED PROFESSIONAL ENGINEER

6/30/2025

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PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER **22-075**
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SITE PLAN
C3

L:\River Authorities\Sabine River Authority\22-075 Pendleton Office Building (SRA)\CAD\03 - Production\SITE PLAN.dwg

0 40 80 FEET

GRAPHIC SCALE

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- LIMITS OF DISTURBANCE
- SILT FENCE
- CONSTRUCTION FENCE
- FLOW ARROW
- CONSTRUCTION EXIT
- ROCK CHECK DAM (TYPE 3)
- INLET PROTECTION
- SILT SOX CHECK DAM

NOTES:

1. ALL SLOPES 4:1 OR STEEPER SHALL HAVE EROSION CONTROL MATTING.
2. CONTRACTOR SHALL SEED AND ESTABLISH VEGETATION FOR ALL DISTURBED AREAS.
3. EROSION CONTROL MEASURES SHALL BE REQUIRED THROUGHOUT CONSTRUCTION AND MAINTAINED TO FULLY FUNCTION UNTIL NO LONGER REQUIRED FOR FINAL STABILIZATION OF THE SITE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED THAN WHAT IS SHOWN ON THE PLANS.
4. CONTRACTOR SHALL DAILY MONITOR ACCESS POINTS TO THE SITE FROM PUBLIC ROADWAYS AND SHALL INSTALL A CONSTRUCTION EXIT AT LOCATION(S) SELECTED BY THE CONTRACTOR TO PREVENT OR MINIMIZE OFF-SITE TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE.
5. TRAFFIC BARRICADES SHALL BE PROVIDED BY SRA. CONTRACTOR SHALL CONTROL TRAFFIC FOR THE SITE.
6. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ANY CONSTRUCTION FENCE, CONTROL GATES, SECURITY SYSTEMS, ETC.. THEY DEEM NECESSARY TO KEEP THE SITE SECURE.

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LICENSED PROFESSIONAL ENGINEER
7/16/2025

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PROJECT MANAGER
WILLIAM SPENCER

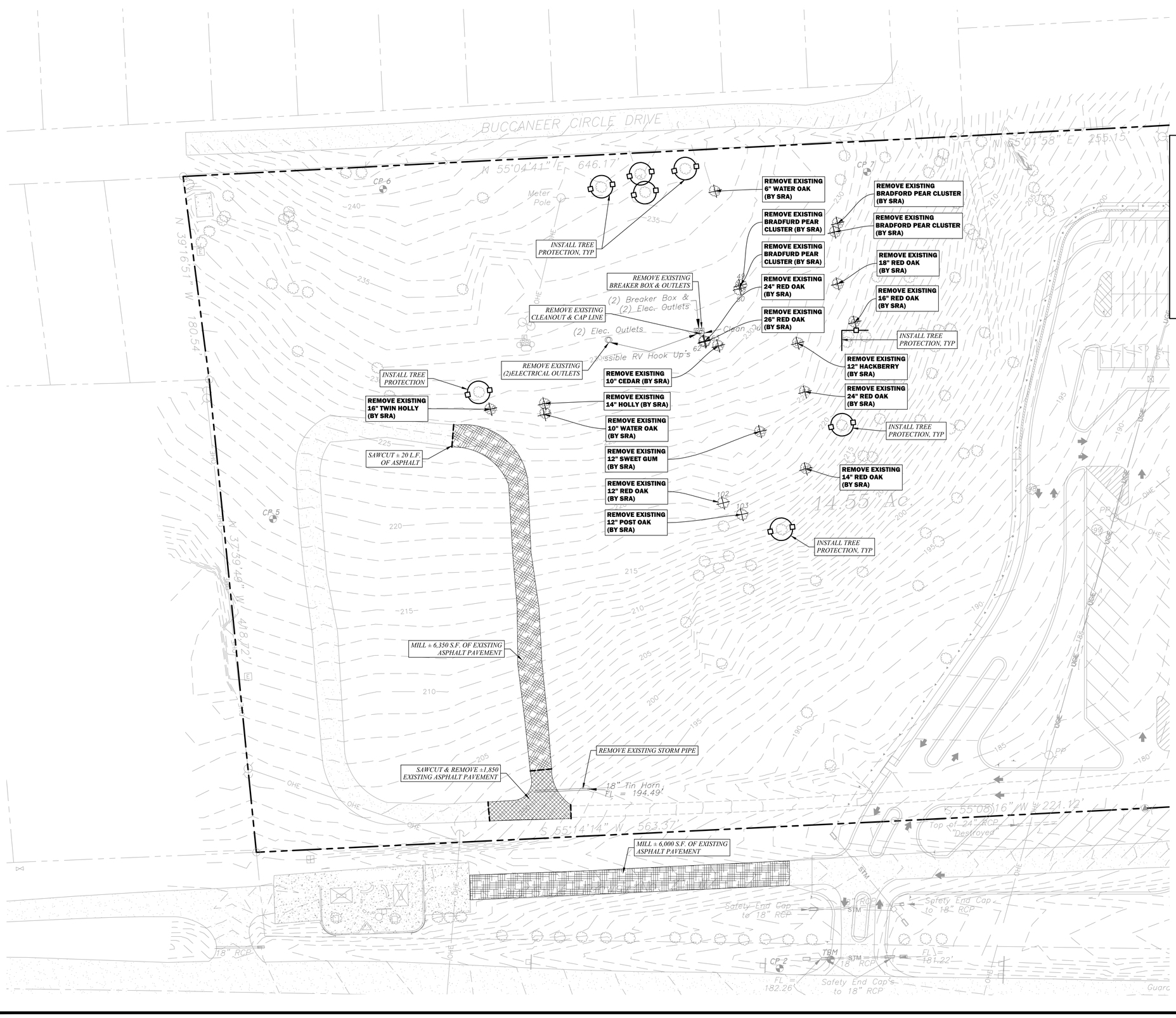
SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025

SHEET NUMBER
EROSION CONTROL PLAN

C4

L:\River Authorities\Sabine River Authority\22-075 Pendleton Office Building (SRA)\CAD\03 - Production\EROSION CONTROL PLAN.dwg



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PROJECT MANAGER
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SHEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
DEMOLITON PLAN
C5

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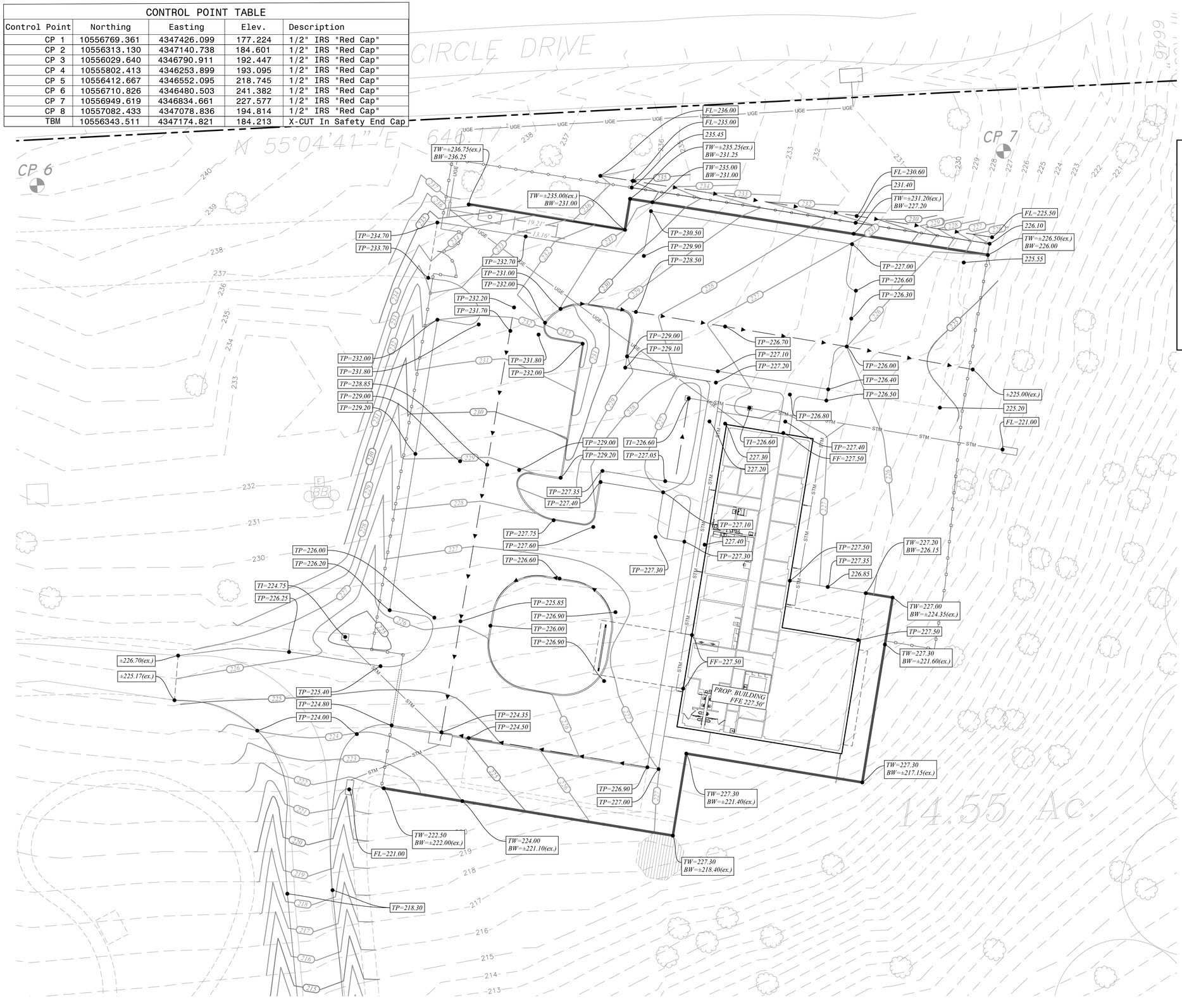
CONTROL POINT TABLE				
Control Point	Northing	Easting	Elev.	Description
CP 1	10556769.361	4347426.099	177.224	1/2" IRS "Red Cap"
CP 2	10556313.130	4347140.738	184.601	1/2" IRS "Red Cap"
CP 3	10556029.640	4346790.911	192.447	1/2" IRS "Red Cap"
CP 4	10555802.413	4346253.899	193.095	1/2" IRS "Red Cap"
CP 5	10556412.667	4346552.095	218.745	1/2" IRS "Red Cap"
CP 6	10556710.826	4346480.503	241.382	1/2" IRS "Red Cap"
CP 7	10556949.619	4346834.661	227.577	1/2" IRS "Red Cap"
CP 8	10557082.433	4347078.836	194.814	1/2" IRS "Red Cap"
TBM	10556343.511	4347174.821	184.213	X-CUT In Safety End Cap



0 20 40 FEET

GRAPHIC SCALE

LEGEND

—500—	EXISTING CONTOUR
500	PROPOSED CONTOUR
	DIRECTION OF FLOW
	FLOW ARROW
±528.2(ex.)	EXISTING SPOT ELEVATION
525.8	PROPOSED SPOT ELEVATION
TP= 521.2	TP = TOP OF PAVEMENT
BC= 526.6	BC = BACK OF CURB
FL= 521.2	FL = FLOW LINE
TW= 524.7	TW = TOP OF WALL
BW= 523.7	BW = BOTTOM OF WALL
TI= 523.7	TI = TOP OF INLET

EARTHWORK SUMMARY

SURFACE CALCULATIONS:
CUT = 5,570 C.Y.
FILL = 2,070 C.Y.
NET = 3,500 C.Y. <CUT>

NOTE:
EARTHWORK QUANTITIES ARE APPROXIMATE.

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PROJECT MANAGER
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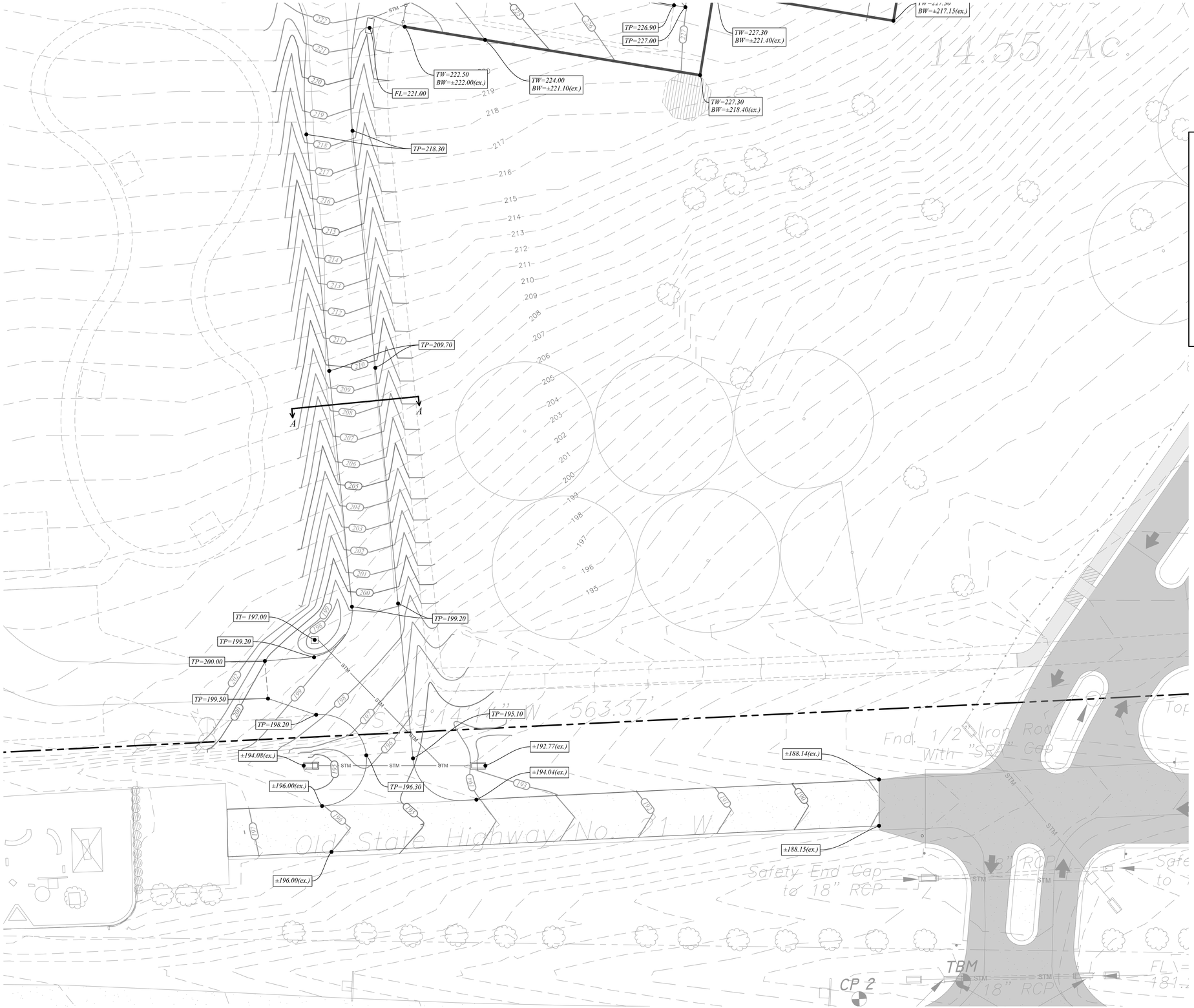
SHEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
GRADING PLAN I
C6



0 20 40 FEET

GRAPHIC SCALE

LEGEND

—500—	EXISTING CONTOUR
500	PROPOSED CONTOUR
▶	DIRECTION OF FLOW
→	FLOW ARROW
±528.2(ex.)	EXISTING SPOT ELEVATION
525.8	PROPOSED SPOT ELEVATION
TP= 521.2	TP = TOP OF PAVEMENT
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TI= 523.7	TI = TOP OF INLET

EARTHWORK SUMMARY

SURFACE CALCULATIONS:
CUT = 5,570 C.Y.
FILL = 2,070 C.Y.
NET = 3,500 C.Y. <CUT>

NOTE:
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WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER	DATE
22-075	7/17/2025

SHEET NUMBER
GRADING PLAN II

C7

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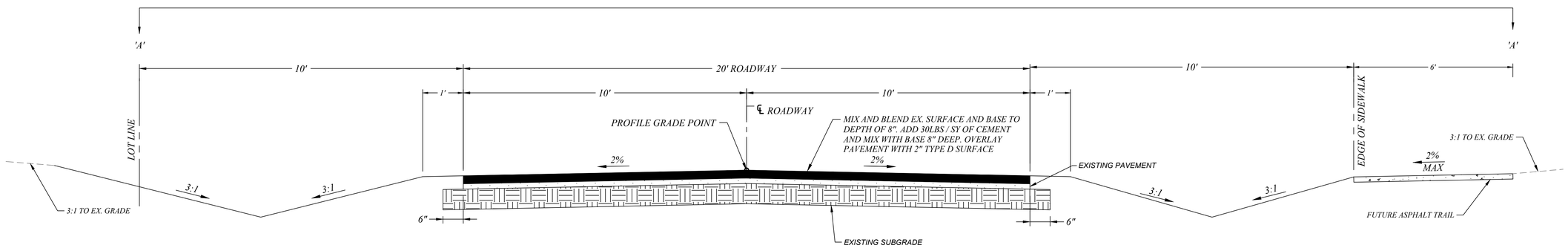

PROPOSED TYPICAL ROADWAY SECTION 'A' - 'A'

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SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025

SHEET NUMBER
TYPICAL ROAD SECTION

C8

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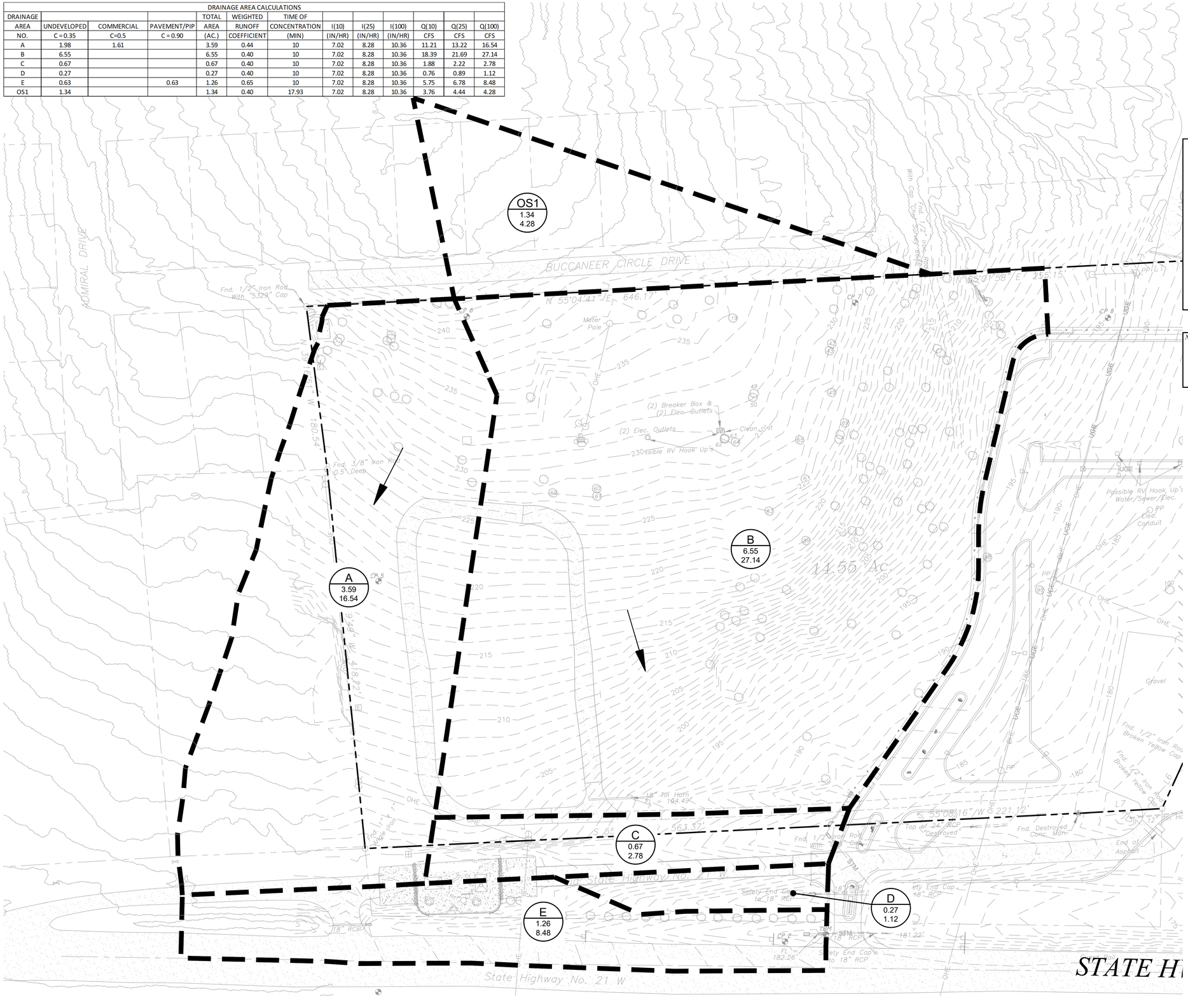
DRAINAGE AREA CALCULATIONS

DRAINAGE AREA NO.	UNDEVELOPED C = 0.35	COMMERCIAL C=0.5	PAVEMENT/PIP C = 0.90	TOTAL AREA (AC.)	WEIGHTED RUNOFF COEFFICIENT	TIME OF CONCENTRATION (MIN)	I(10) (IN/HR)	I(25) (IN/HR)	I(100) (IN/HR)	Q(10) CFS	Q(25) CFS	Q(100) CFS
A	1.98	1.61		3.59	0.44	10	7.02	8.28	10.36	11.21	13.22	16.54
B	6.55			6.55	0.40	10	7.02	8.28	10.36	18.39	21.69	27.14
C	0.67			0.67	0.40	10	7.02	8.28	10.36	1.88	2.22	2.78
D	0.27			0.27	0.40	10	7.02	8.28	10.36	0.76	0.89	1.12
E	0.63		0.63	1.26	0.65	10	7.02	8.28	10.36	5.75	6.78	8.48
OS1	1.34			1.34	0.40	17.93	7.02	8.28	10.36	3.76	4.44	4.28



0 50 100 FEET

GRAPHIC SCALE

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- DRAINAGE AREA
- AREA DESCRIPTION
- AREA (ac)
- FLOW (cfs)

Q = cIA

c = 0.30 - 0.60
I = 8.82 (in/hr)
tc = 10 (min.)

NOTES:

1. *OFFSITE DRAINAGE AREAS SHOWN BASED ON USGS 2 FT CONTOUR DATA.*
2. *TIME OF CONCENTRATION CALCULATED USING FAA METHOD ON HYDRAFLOW.*

Hydraflow Calculated Coefficients

Rainfall Intensity-Duration-Frequency Coefficients

Frequency	e	b	d
2-yr	0.732	42.361	9
5-yr	0.643	34.21	3.2
10-yr	0.699	52.305	7.7
25-yr	0.678	56.504	7
50-yr	0.671	61.633	6.6
100-yr	0.658	64.987	6.3

I = b/(Tc +d)^e

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PROJECT MANAGER
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SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025

SHEET NUMBER
EXISTING DRAINAGE MAP

C9

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DRAINAGE AREA CALCULATIONS													
DRAINAGE				TOTAL	WEIGHTED	TIME OF							
AREA	UNDEVELOPED	COMMERCIAL	PAVEMENT/PIP	AREA	RUNOFF	CONCENTRATION	I(10)	I(25)	I(100)	Q(10)	Q(25)	Q(100)
NO.	C = 0.35	C = 0.5	C = 0.90	(AC.)	COEFFICIENT	(MIN)	(IN/HR)	(IN/HR)	(IN/HR)	CFS	CFS	CFS
A	1.98	1.61		3.59	0.44	10	7.02	8.28	10.36	11.21	13.22	16.54
B	0.83			0.83	0.40	10	7.02	8.28	10.36	2.33	2.75	3.44
C	0.39			0.39	0.40	10	7.02	8.28	10.36	1.10	1.29	1.62
D	0.27			0.27	0.40	10	7.02	8.28	10.36	0.76	0.89	1.12
E	1.26			1.26	0.40	10	7.02	8.28	10.36	3.54	4.17	5.22
F	0.98			0.98	0.40	10	7.02	8.28	10.36	2.75	3.25	4.06
G			0.45	0.45	0.90	10	7.02	8.28	10.36	2.84	3.35	4.20
H			0.20	0.20	0.90	10	7.02	8.28	10.36	1.26	1.49	1.86
I-1			0.13	0.13	0.90	10	7.02	8.28	10.36	0.82	0.97	1.21
I-2			0.03	0.03	0.90	10	7.02	8.28	10.36	0.19	0.22	0.28
J	4.29			4.29	0.40	10	7.02	8.28	10.36	12.05	14.21	17.78
K	0.13			0.13	0.40	10	7.02	8.28	10.36	0.37	0.43	0.54
L	0.01			0.01	0.40	10	7.02	8.28	10.36	0.03	0.03	0.04
M	0.48			0.48	0.40	10	7.02	8.28	10.36	1.35	1.59	1.99
OS1	1.34			1.34	0.40	17.93	7.02	8.28	10.36	2.90	3.42	4.28

0 50 100 FEET

GRAPHIC SCALE

LEGEND

- 500 — EXISTING CONTOUR
- 500 — PROPOSED CONTOUR
- DRAINAGE AREA
- AREA DESCRIPTION
- AREA (ac)
- FLOW (cfs)

A
5.16
7.56

Q = cIA

c = 0.30 - 0.60
I = 8.82 (in/hr)
tc = 10 (min.)

NOTES:

1. *OFFSITE DRAINAGE AREAS SHOWN BASED ON USGS 2 FT CONTOUR DATA.*
2. *TIME OF CONCENTRATION CALCULATED USING FAA METHOD ON HYDRAFLOW.*

Hydraflow Calculated Coefficients
Rainfall Intensity-Duration-Frequency Coefficients

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100-yr	0.658	64.987	6.3

I = b/(Tc+d)^e

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LICENSED
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7/10/2025

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PROJECT MANAGER
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SHEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
PROPOSED DRAINAGE AREA MAP
C10

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SHEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
DRAINAGE PLAN
C11

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LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE
- 2" RAINBOW RIVER ROCK
- 6" RIP-RAP
- NEW ASPHALT PAVEMENT
- ASPHALT MILL AND RESURFACE
- RETAINING WALL

NOTES:

1. ALL PAVING OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS PER THE GEOTECHNICAL REPORT (PROJECT #93235013) BY TERRACON DATED 4/4/2023
2. COORDINATES ARE BASED ON NAD83 TEXAS STATE PLANE, CENTRAL ZONE (4203).

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6/30/2025

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WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER	DATE
22-075	7/17/2025

SHEET NUMBER
PAVING PLAN
C12

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CONTROL POINT TABLE				
Control Point	Northing	Easting	Elev.	Description
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CP 2	10556313.130	4347140.738	184.601	1/2" IRS "Red Cap"
CP 3	10556029.640	4346790.911	192.447	1/2" IRS "Red Cap"
CP 4	10555802.413	4346253.899	193.095	1/2" IRS "Red Cap"
CP 5	10556412.667	4346552.095	218.745	1/2" IRS "Red Cap"
CP 6	10556710.826	4346480.503	241.382	1/2" IRS "Red Cap"
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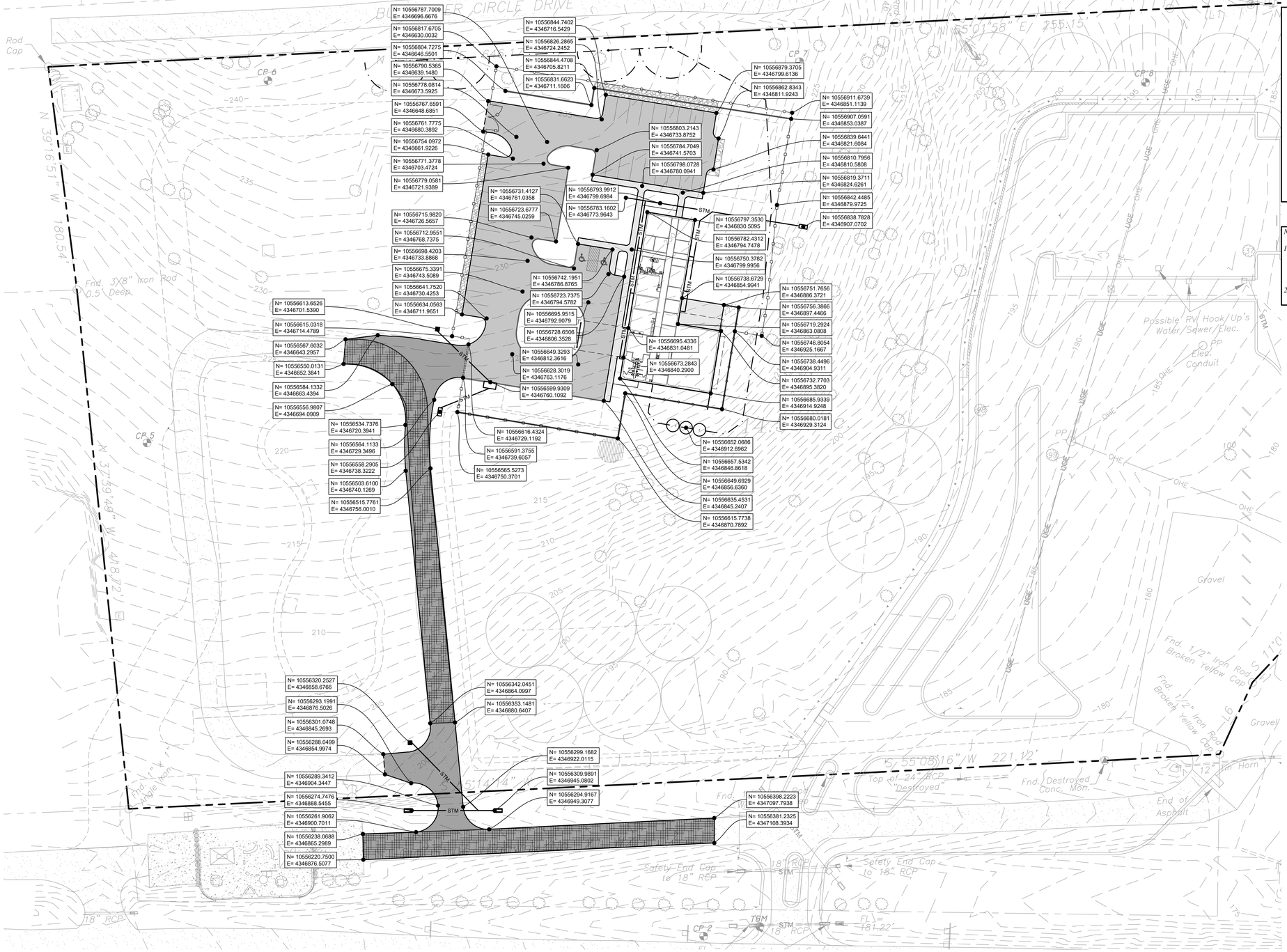
CP 8	10557082.433	4347078.836	194.814	1/2" IRS "Red Cap"
TBM	10556343.511	4347174.821	184.213	X-CUT In Safety End Cap



GRAPHIC SCALE

0 40 80 FEET

LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE
- 2" RAINBOW RIVER ROCK
- 6" RIP-RAP
- NEW ASPHALT PAVEMENT
- ASPHALT MILL AND RESURFACE
- RETAINING WALL

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6/30/2025

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SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025

SHEET NUMBER
CONTROL PLAN
C13

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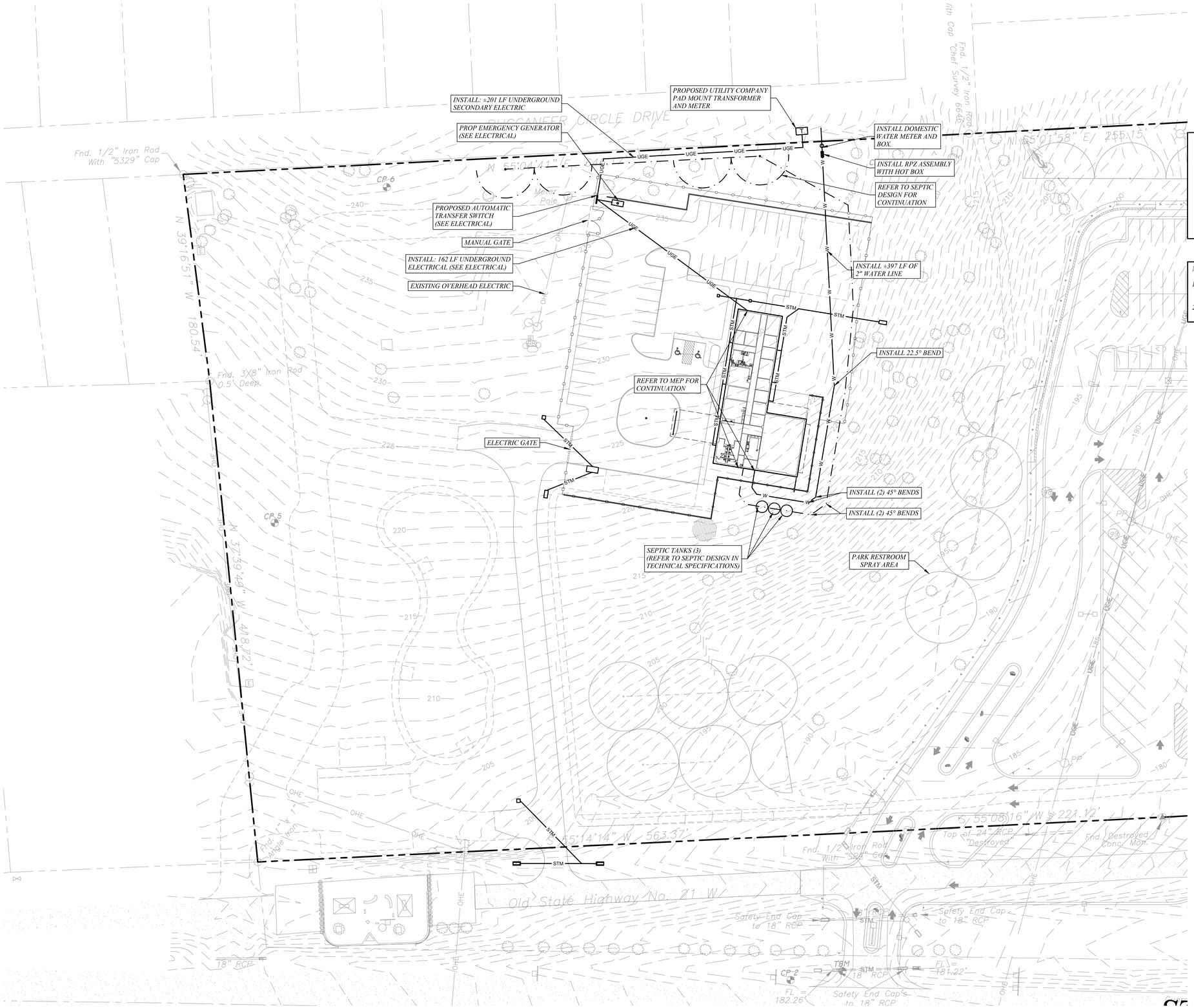

0 40 80 FEET

GRAPHIC SCALE

LEGEND

- PROPERTY LINE
- STM — STORM SEWER PIPE
- W — WATER LINE
- UGE — UNDERGROUND ELECTRIC
- SEPTIC LINE

NOTES:

1. *SEPTIC PLAN TO BE PREPARED BY PATRIOT SEPTIC DESIGNS, LLC.*
2. *DEEP EAST TEXAS TO STAKE ELECTRICAL TIE-IN TO THE PROPOSED COMPANY METER.*

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SHEET REVISION HISTORY

JOB NUMBER	DATE
22-075	7/17/2025

SHEET NUMBER
UTILITY PLAN

C14

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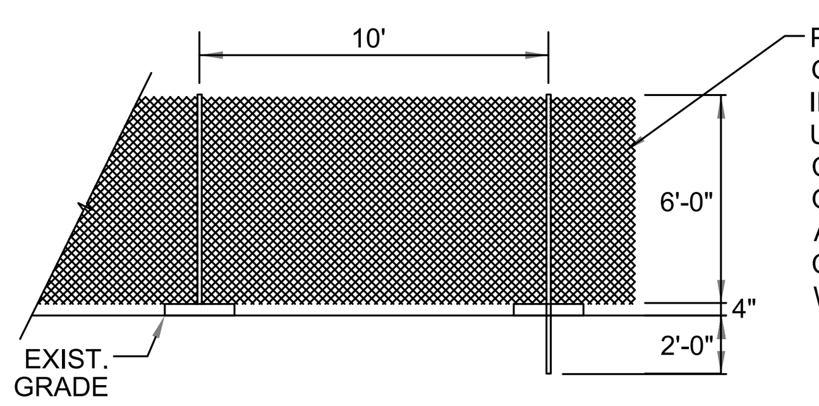


PROPOSED CHAIN LINK FENCE FABRIC IS TO BE 11 GAUGE HOT DIPPED ZINC COATED (GALVANIZED) IRON OR STEEL 6'-0" HIGH W/2 1/2" SQUARE DIAMOND. USE 6'-0" x 1 5/8" DIA. O.D. GALVANIZED IRON POSTS. CORNER AND GATE POSTS WILL BE 6'-0" x 2 3/4" DIA. O.D. ALL NON-MOVABLE FENCE POSTS TO BE SET IN A MIN. 2'-0" IN GROUND OR SET IN 4" THICK CONCRETE PAD 2'-0" SQUARE OR 2'-6" ROUND W/CORNER & GATE POSTS ADEQUATELY BRACED.

NOTES:

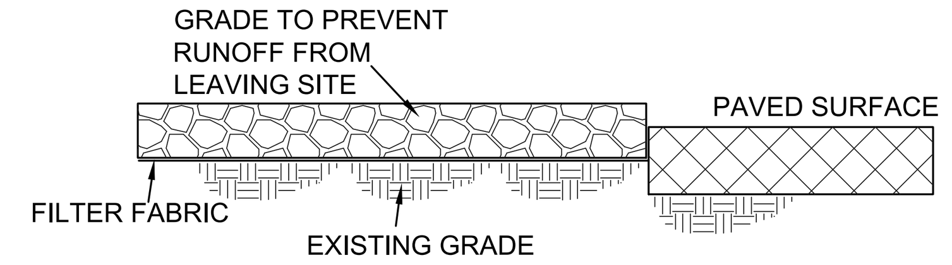
SEE EROSION CONTROL PLAN FOR CONSTRUCTION FENCE LOCATION

CONSTRUCTION ENTRANCE GATE TO MATCH CONSTRUCTION FENCE MATERIAL AND SPECIFICATIONS

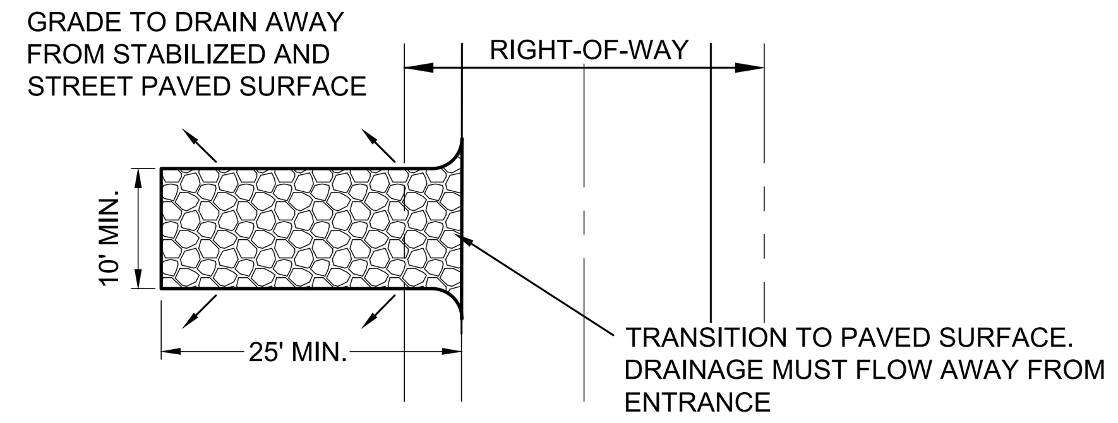
CONTRACTOR TO PROVIDE A CONSTRUCTION FENCE AND GATE SUBMITTAL FOR ENGINEER'S AND OWNER'S APPROVAL

CONSTRUCTION FENCE DETAIL

N.T.S.



PROFILE VIEW



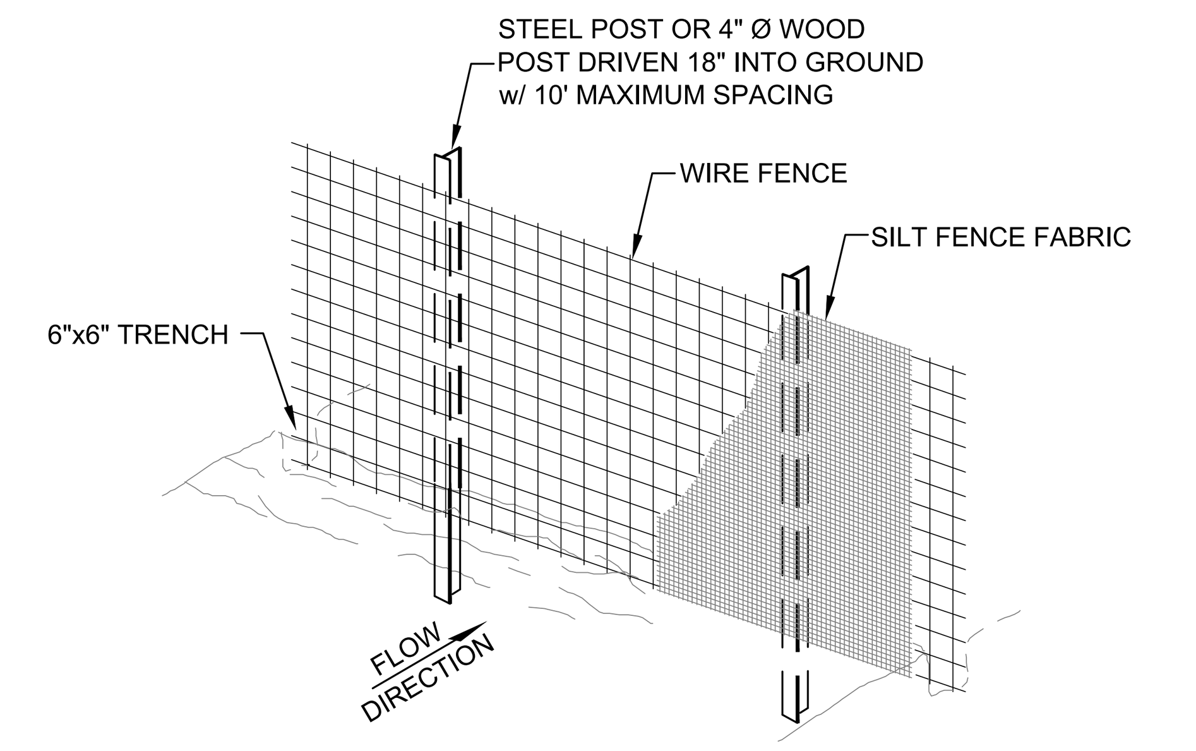
PLAN VIEW

CONSTRUCTION ENTRANCE NOTES:

1. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CEMENT CONCRETE..
2. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE, WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE USING APPROVED METHODS.
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
4. THE ENTRANCE MUST BE PROPERLY GRADED, OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

STABILIZED CONSTRUCTION EXIT

N.T.S.



STEPS FOR CONSTRUCTION:

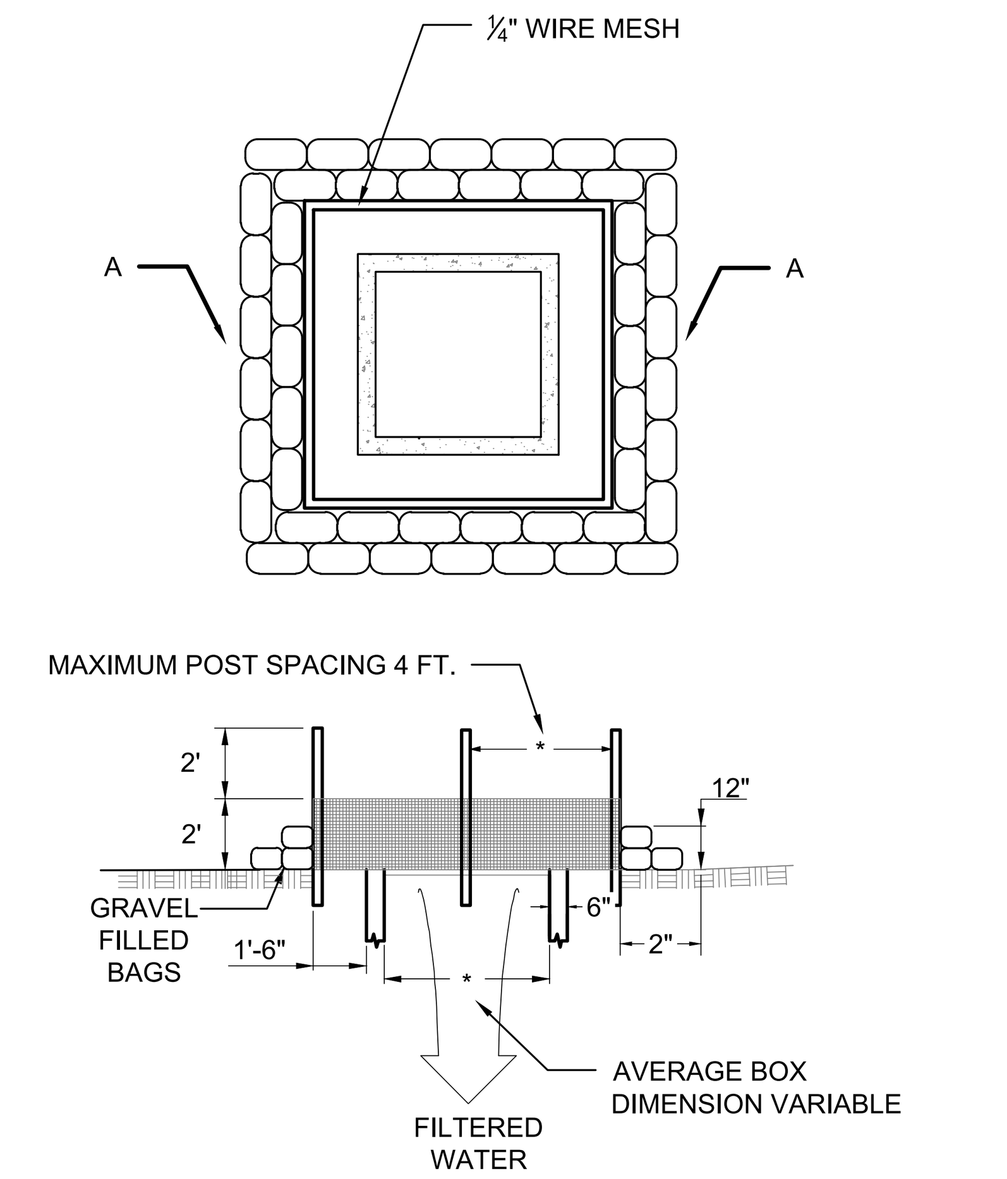
1. DRIVE POST 18" INTO GROUND AND EXCAVATE A 6"x6" TRENCH UPHILL ALONG THE LINE OF POST.
2. ATTACH WIRE FENCE TO THE POST AND EXTEND BOTTOM OF FENCE 6" INTO THE EXCAVATED TRENCH.
3. ATTACH THE SILT FABRIC TO THE WIRE FENCE AND EXTEND THE BOTTOM OF THE FABRIC 6" INTO THE TRENCH.
4. BACKFILL THE TRENCH WITH SOIL & COMPACT OR PLACE WASHED STONE TO THE HEIGHT OF 6" ABOVE GROUND LEVEL. BOTTOM OF FENCE MUST BE ANCHORED SO THAT RUNOFF IS FORCED THROUGH THE FENCE AND CAN NOT GO UNDER IT.

INSPECTION & MAINTENANCE:

1. INSPECTION OF FENCES SHALL BE FREQUENT AND REPAIR OR REPLACEMENT MADE PROMPTLY AS NEEDED.
2. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6" AND DISPOSED OF PER OWNER/ENGINEER.

SILT FENCE DETAIL

N.T.S.

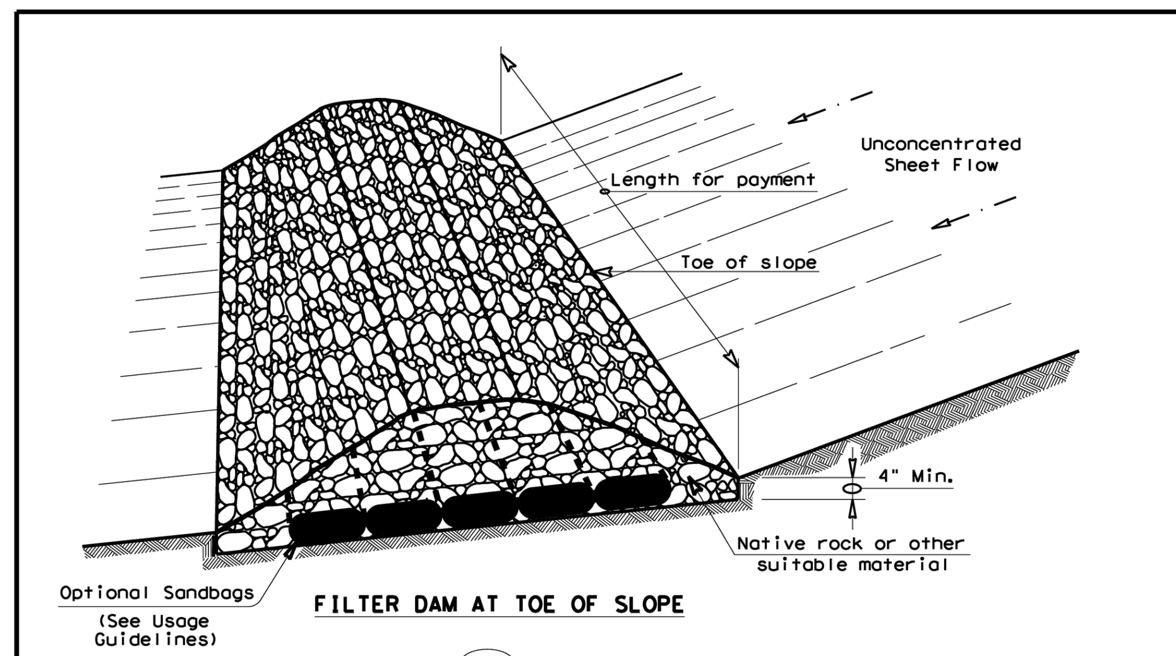


SECTION A-A
MULTI-DIRECTIONAL FLOW

1. SEDIMENT CONTROL STONE SHALL BE NO 5 OR 57.
2. WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE ¼ INCH MESH OPENINGS.
3. TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
5. WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER.
6. POST SPACING SHALL BE A MAXIMUM OF 4 FT.

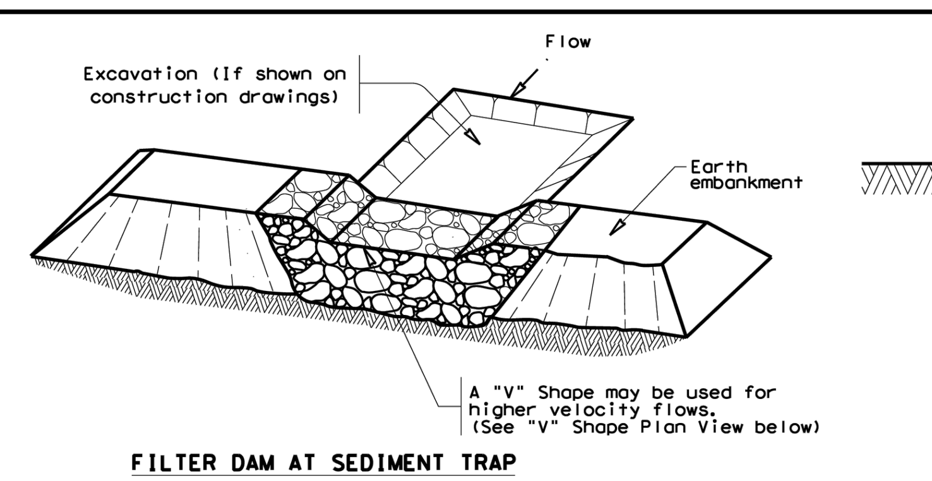
INLET PROTECTION - WIRE MESH AND GRAVEL BAG

N.T.S.



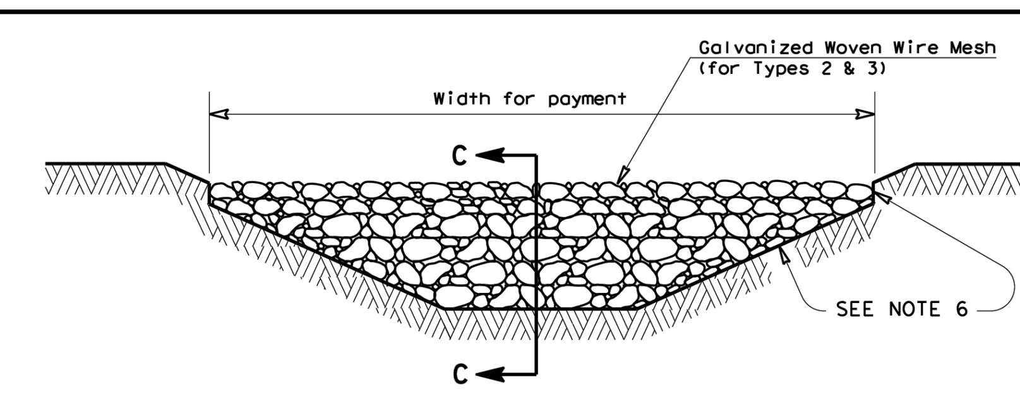
FILTER DAM AT TOE OF SLOPE

RFD1



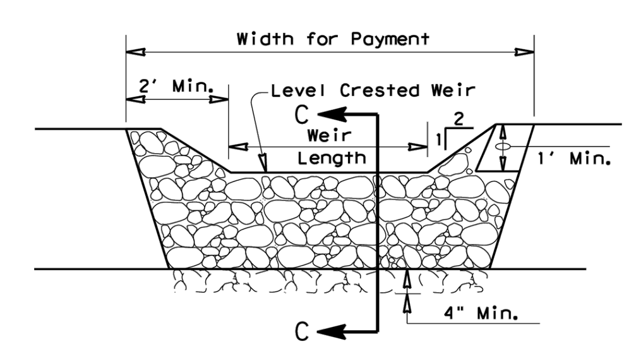
FILTER DAM AT SEDIMENT TRAP

RFD1 — OR — RFD2

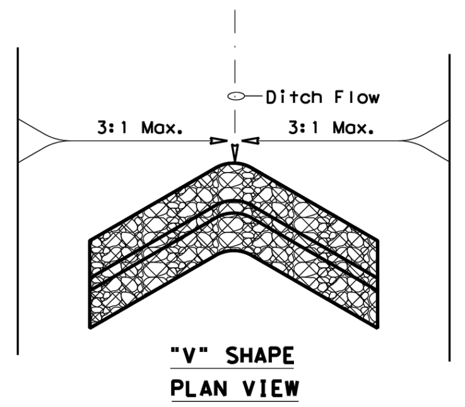


FILTER DAM AT CHANNEL SECTIONS

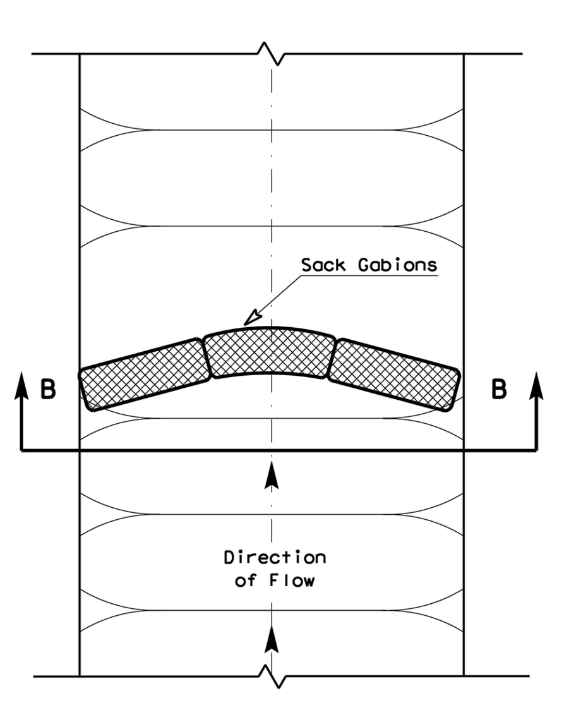
RFD1 — OR — RFD2 — OR — RFD3



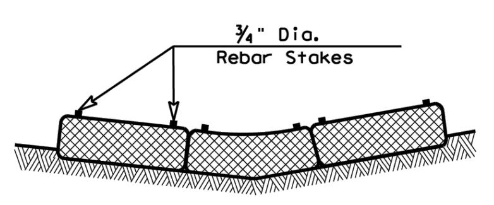
PROFILE



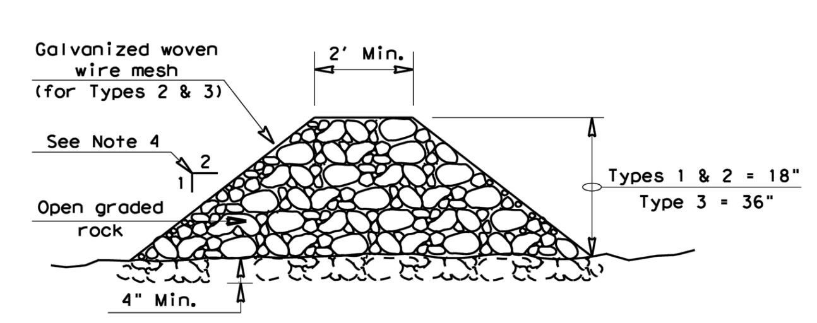
"V" SHAPE PLAN VIEW



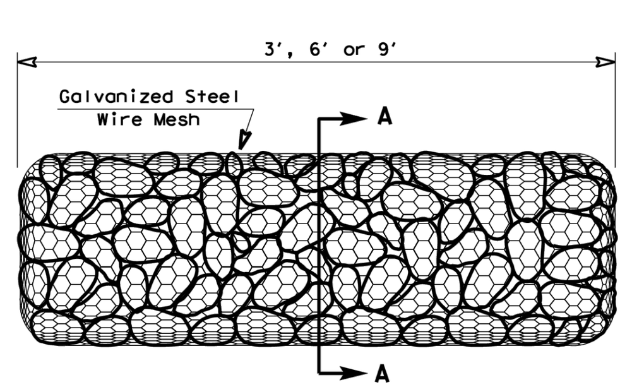
PLAN VIEW



SECTION B-B

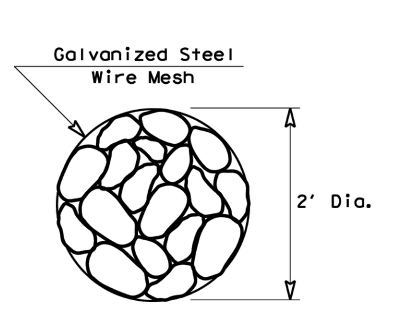


SECTION C-C



TYPE 4 (SACK GABIONS)

RFD4



SECTION A-A

GENERAL NOTES

1. If shown on the plans or directed by the Engineer, filter dams should be placed near the toe of slopes where erosion is anticipated, upstream and/or downstream at drainage structures, and in roadway ditches and channels to collect sediment.
2. Materials (aggregate, wire mesh, sandbags, etc.) shall be as indicated by the specification for "Rock Filter Dams for Erosion and Sedimentation Control".
3. The rock filter dam dimensions shall be as indicated on the SW3P plans.
4. Side slopes should be 2:1 or flatter. Dams within the safety zone shall have sideslopes of 6:1 or flatter.
5. Maintain a minimum of 1' between top of rock filter dam weir and top of embankment for filter dams at sediment traps.
6. Filter dams should be embedded a minimum of 4" into existing ground.
7. The sediment trap for ponding of sediment laden runoff shall be of the dimensions shown on the plans.
8. Rock filter dam types 2 & 3 shall be secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings. The aggregate shall be placed on the mesh to the height & slopes specified. The mesh shall be folded at the upstream side over the aggregate and tightly secured to itself on the downstream side using wire ties or hog rings. For in stream use, the mesh should be secured or staked to the stream bed prior to aggregate placement.
9. Sack Gabions should be staked down with ¾" dia. rebar stakes, and have a double-twisted hexagonal weave with a nominal mesh opening of 2 ½" x 3 ¼"
10. Flow outlet should be onto a stabilized area (vegetation, rock, etc.).
11. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

PLAN SHEET LEGEND

Type 1 Rock Filter Dam	RFD1
Type 2 Rock Filter Dam	RFD2
Type 3 Rock Filter Dam	RFD3
Type 4 Rock Filter Dam	RFD4

ROCK FILTER DAM USAGE GUIDELINES

Rock Filter Dams should be constructed downstream from disturbed areas to intercept sediment from overland runoff and/or concentrated flow. The dams should be sized to filter a maximum flow through rate of 60 GPM/FT^2 of cross sectional area. A 2 year storm frequency may be used to calculate the flow rate.

Type 1 (18" high with no wire mesh) (3" to 6" aggregate): Type 1 may be used at the toe of slopes, around inlets, in small ditches, and at dike or swale outlets. This type of dam is recommended to control erosion from a drainage area of 5 acres or less. Type 1 may not be used in concentrated high velocity flows (approximently 8 Ft/Sec or more) in which aggregate wash out may occur. Sandbags may be used at the embedded foundation (4" deep min.) for better filtering efficiency of low flows if called for on the plans or directed by the Engineer.

Type 2 (18" high with wire mesh) (3" to 6" aggregate): Type 2 may be used in ditches and at dike or swale outlets.

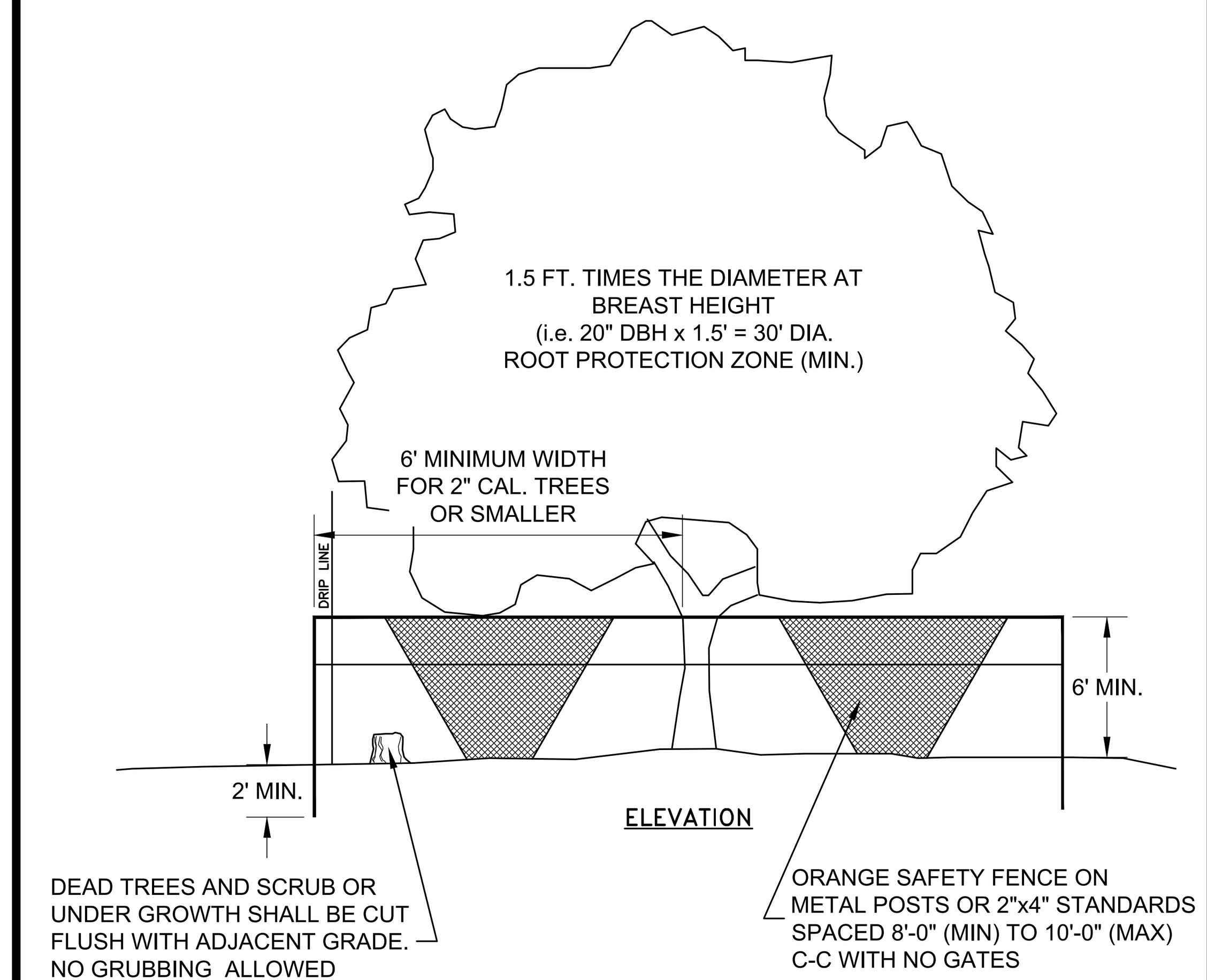
Type 3 (36" high with wire mesh) (4" to 8" aggregate): Type 3 may be used in stream flow and should be secured to the stream bed.

Type 4 (Sack gabions) (3" to 6" aggregate): Type 4 May be used in ditches and smaller channels to form an erosion control dam.

Type 5: Provide rock filter dams as shown on plans.

Texas Department of Transportation — Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES
ROCK FILTER DAMS
EC(2)-16

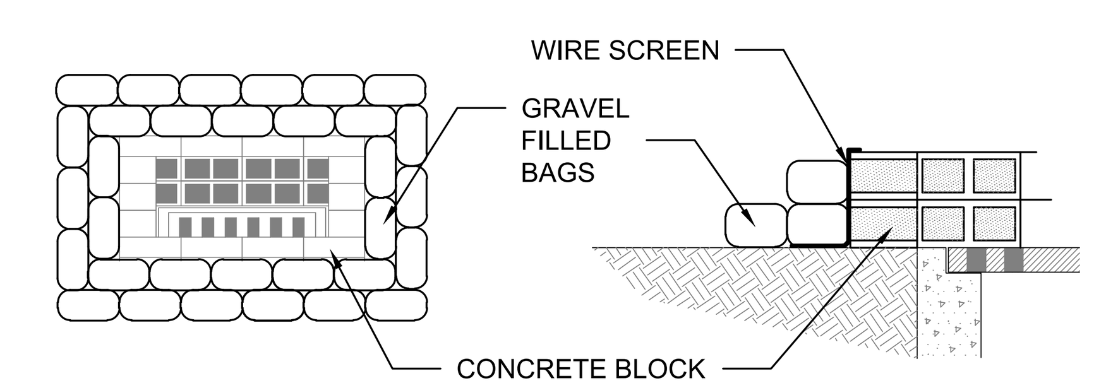


NOTES:

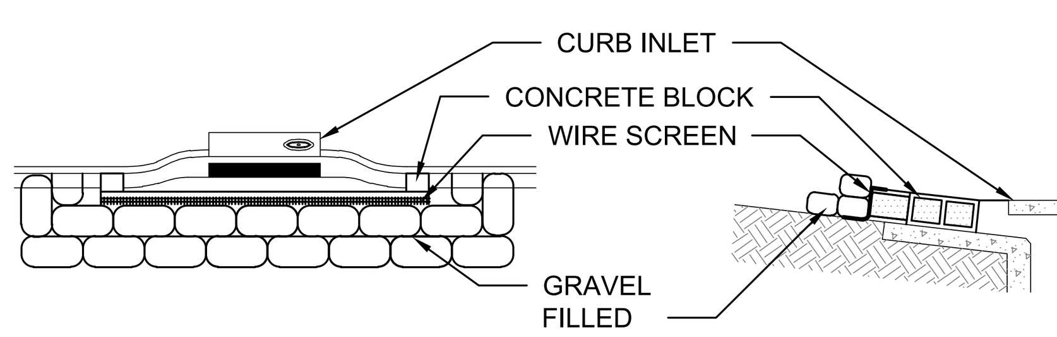
1. TREE PROTECTION SHALL BE A MINIMUM OF 6'-0" HIGH ORANGE SAFETY FENCE MOUNTED ON METAL POSTS OR 2"x4" STANDARDS DRIVEN 2'-0" (MIN.) INTO THE GROUND, AT APPROXIMATELY 8'-0" TO 10'-0" (MAX.) ON CENTER WITH NO GATES.
2. TREE PROTECTION FENCING SHALL BE ERECTED AT THE CRITICAL ROOT ZONE OR BEYOND PRIOR TO THE START OF ANY CLEARING, GRADING OR OTHER CONSTRUCTION ACTIVITY.
3. TREE PROTECTION **SHALL NOT BE REMOVED** UNTIL COMPLETION OF ALL CONSTRUCTION ACTIVITY.

TREE PROTECTION FENCE

N.T.S.



DROP INLET PROTECTION



CURB INLET PROTECTION

INLET PROTECTION BLOCK & GRAVEL BAG

N.T.S.

fitzpatrick ARCHITECTS
110 N COLLEGE AVE SUITE 100
TYLER, TEXAS 75702
903.592.0728
info@fitzpatrickarchitects.com

MHS PENDLETON OFFICE
HEMPHILL, TX

STATE OF TEXAS — WILLIAM H. SPENCER — 107759 — LICENSED PROFESSIONAL ENGINEER

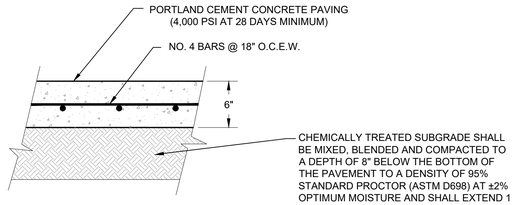
1/11/2024

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

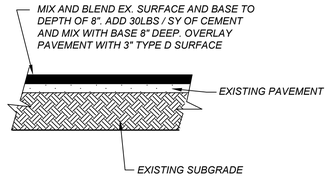
PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER 22-075
DATE 7/17/2025
SHEET NUMBER
CONSTRUCTION DETAILS I
CD15

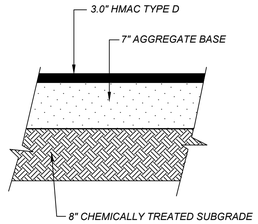


CONCRETE PAVEMENT SECTION
N.T.S.



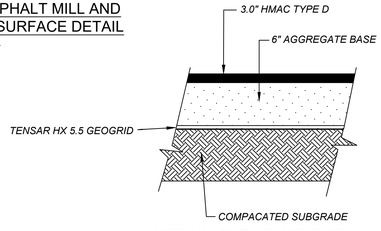
REFER TO "GEOTECHNICAL ENGINEERING REPORT, PENDLETON PARK, HEMPHILL, TEXAS", FROM TERRACON, JOB NO. 9325013, DATED APRIL 4, 2023.

ASPHALT MILL AND RESURFACE DETAIL
N.T.S.

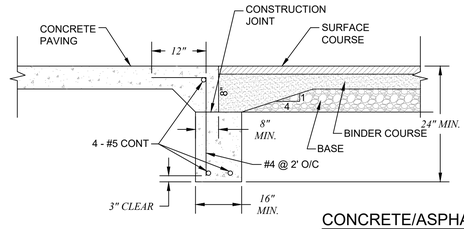


REFER TO "GEOTECHNICAL ENGINEERING REPORT, PENDLETON PARK, HEMPHILL, TEXAS", FROM TERRACON, JOB NO. 9325013, DATED APRIL 4, 2023.

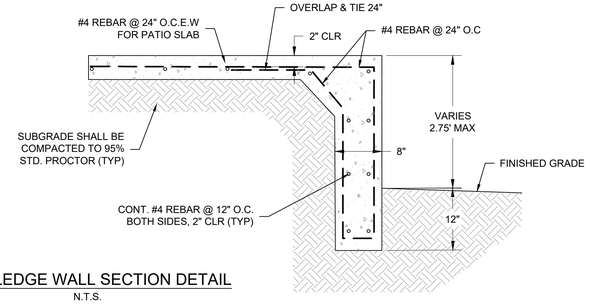
MEDIUM DUTY PAVEMENT SECTION DETAIL
N.T.S.



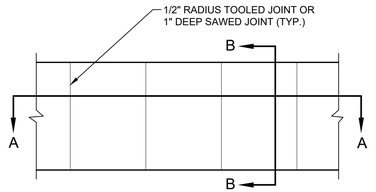
MEDIUM DUTY PAVEMENT SECTION DETAIL (ALTERNATE)
N.T.S.



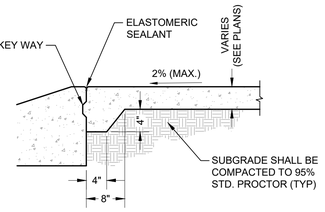
CONCRETE/ASPHALT JOINT
N.T.S.



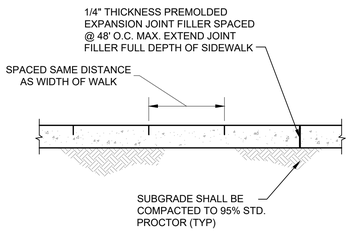
DROP LEDGE WALL SECTION DETAIL
N.T.S.



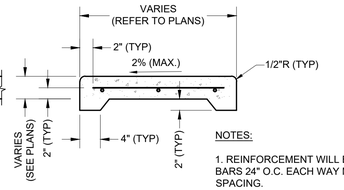
PLAN VIEW



SIDEWALK / CURB JOINT



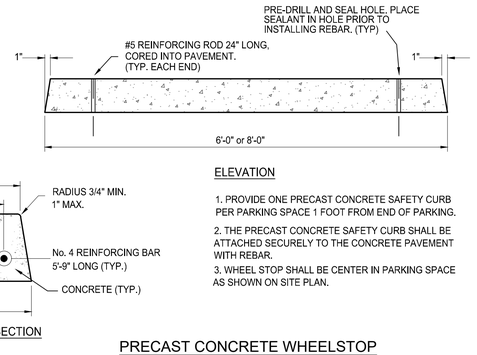
SECTION A-A



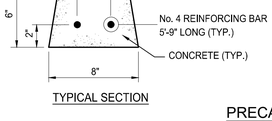
SECTION B-B

NOTES:
1. REINFORCEMENT WILL BE No. 3 BARS 24" O.C. EACH WAY MAX. SPACING.
2. PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS

CONCRETE SIDEWALK
N.T.S.



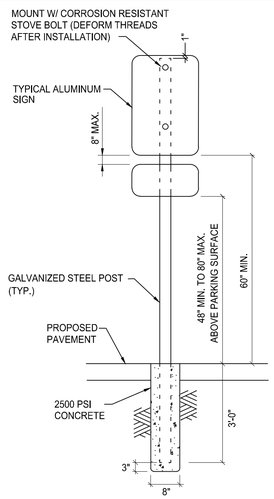
ELEVATION



TYPICAL SECTION

1. PROVIDE ONE PRECAST CONCRETE SAFETY CURB PER PARKING SPACE 1 FOOT FROM END OF PARKING.
2. THE PRECAST CONCRETE SAFETY CURB SHALL BE ATTACHED SECURELY TO THE CONCRETE PAVEMENT WITH REBAR.
3. WHEEL STOP SHALL BE CENTER IN PARKING SPACE AS SHOWN ON SITE PLAN.

PRECAST CONCRETE WHEELSTOP
N.T.S.

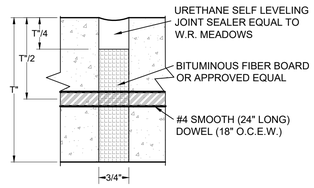


TYPICAL SIGNAGE MOUNTING DETAIL
N.T.S.

COLORS:
LETTERS AND BORDER - GREEN
SYMBOL ON BLUE BACKGROUND
SIGN BACKGROUND - WHITE

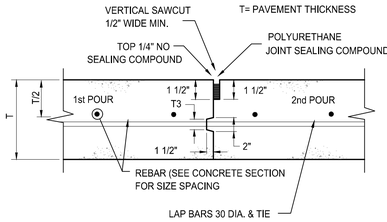
1. SPACING BETWEEN LETTERS, COLORS, AND PROCESSES SHALL CONFORM STANDARD HIGHWAY AND SIGN DESIGNS FOR TEXAS.
2. INSTALL WHERE INDICATED ON PLANS.
3. VAN-ACCESSIBLE SIGNAGE ON VAN SPACES ONLY.

TYPICAL SIGNAGE DETAIL
N.T.S.



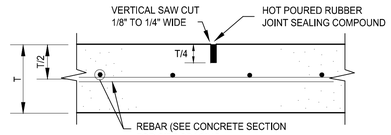
EXPANSION JOINT DETAIL
N.T.S.

NOTES:
1. 60' SPACING - PAVEMENT



CONSTRUCTION JOINT
N.T.S.

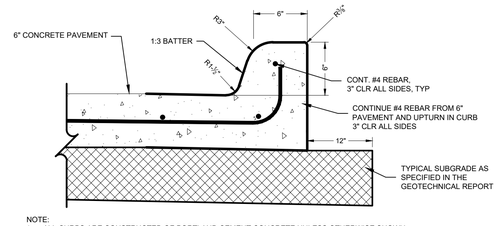
NOTES:
1. 60' SPACING - 60' PARKING (MAX)



T= PAVEMENT THICKNESS

SAWED DUMMY (CONTROL) JOINT
N.T.S. MAXIMUM SPACING IS 15' CTRS. (TYP.)

NOTES:
1. SAWCUT JOINTS WITHIN 12 HOURS AFTER PLACEMENT



NOTE:
1. ALL CURBS ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE SHOWN.
2. GRADES SHALL BE MEASURED AT BACK OF CURB UNLESS OTHERWISE SPECIFIED.
3. ALL PAVEMENT LOCATED WITHIN THE PUBLIC R.O.W. SHALL CONFORM TO THE GOVERNING AUTHORITY'S SPECIFICATIONS, DETAILS & REQUIREMENTS FOR PUBLIC PAVEMENT.
4. CONTROL JOINTS THROUGH CURB SHALL BE SEALED IN THE PAVEMENT AND TERMINATE AT THE GUTTER

CURB DETAIL
N.T.S.

fitzpatrick ARCHITECTS
110 N COLLEGE AVE
SUITE 100
TYLER, TEXAS 75702
903.592.0728
info@fitzpatrickarchitects.com

MHS
PENDLETON OFFICE
HEMPHILL, TX

STATE OF TEXAS
WILLIAM H. SPENCER
107759
LICENSED
PROFESSIONAL ENGINEER
1/11/2024

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
WILLIAM SPENCER

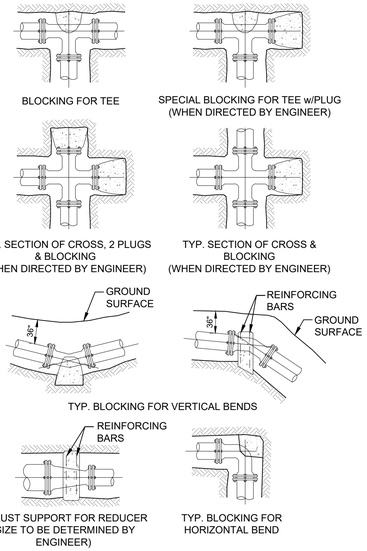
SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025

SHEET NUMBER
CONSTRUCTION DETAILS II

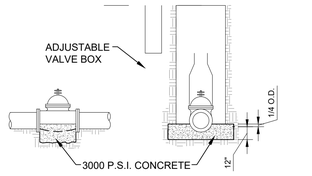
CD16

L:\River Authorities\Sabine River Authority\22-075 Pendleton Office Building (SRA)\CAD\03 - Production\CONSTRUCTION DETAILS.dwg

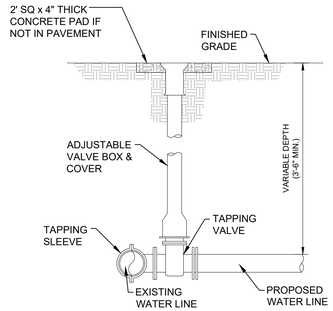


NOTES:
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE BLOCKING OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A KICKER BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
3. WEIGHT CALCULATIONS TO BE BASED ON THRUST DUE TO STATIC PRESSURE +50% THRUST = 2 AP SIN 1/2O WHERE A=AREA OF PIPE, P=WATER PRESSURE.
4. WHERE BLOCKING OVER PLUG, PLUG SHOULD BE COVERED WITH PAPER TO PREVENT BINDING OF CONCRETE.
5. WHERE SHEAR BECOMES A PROBLEM, PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
6. CLEARANCE SHALL BE A MINIMUM OF 6" BETWEEN PIPE AND OBSTRUCTION.
7. CLEARANCE ON PIPES BELONGING TO OIL & GAS COMPANIES SHALL BE 18" UNLESS SPECIAL PERMISSION IS GIVEN BY THESE COMPANIES.
8. PROVIDE MINIMUM BEARING AREA IN S.E. AS FOLLOWS BASED ON 150 PSI TEST PRESSURE AND 2000 PSF 50:1 BEARING.

THRUST BLOCKING DETAILS
N.T.S.



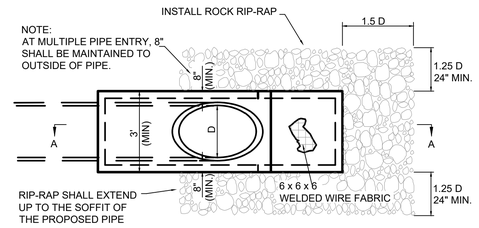
BLOCKING DETAIL FOR VALVE



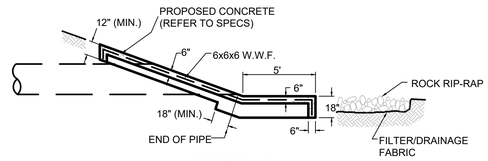
NOTE: EXIST. WATER LINE SHALL BE TAPPED WHILE UNDER PRESSURE

NOTES:
1. ALL WORK AND MATERIALS SHALL BE SUBJECT TO CITY ENGINEERS APPROVAL DURING CONSTRUCTION AND UPON COMPLETION.
2. ALL CONCRETE SHALL BE OF STRENGTHS SHOWN HEREON.
3. UNLESS OTHERWISE APPROVED, ALL WATER MAINS SHALL BE PLACED A MINIMUM DEPTH OF 3'-6' BELOW TOP OF PROPOSED STREET CURBS, OR 36" OF COVER ABOVE PIPE NOT LOCATED IN STREET RIGHT OF WAY.

WATER LINE TIE-IN
N.T.S.

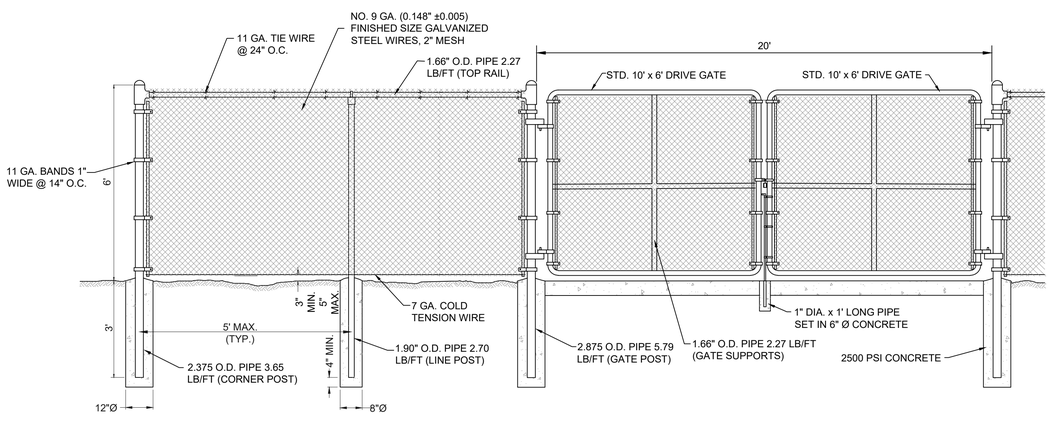


PLAN



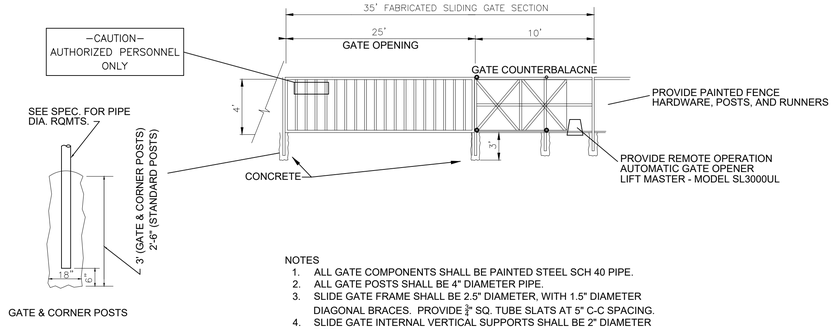
SECTION "A-A"

TYPICAL OUTFALL STRUCTRUE
N.T.S.



NOTES:
1. INSERT PRIVACY SLATS THRU CHAIN LINK FENCE ON NORTH FENCE LINE.

CHAIN LINK FENCE DETAIL
N.T.S.



GATE & CORNER POSTS

NOTES
1. ALL GATE COMPONENTS SHALL BE PAINTED STEEL SCH 40 PIPE.
2. ALL GATE POSTS SHALL BE 4" DIAMETER PIPE.
3. SLIDE GATE FRAME SHALL BE 2.5" DIAMETER, WITH 1.5" DIAMETER DIAGONAL BRACES. PROVIDE $\frac{3}{4}$" SQ. TUBE SLATS AT 5" C-C SPACING.
4. SLIDE GATE INTERNAL VERTICAL SUPPORTS SHALL BE 2" DIAMETER PIPE.

AUTOMATIC ROLLING GATE DETAIL
N.T.S.

fitzpatrick ARCHITECTS
110 N COLLEGE AVE
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TYLER, TEXAS 75702
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MHS
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STATE OF TEXAS
WILLIAM H. SPENCER
107759
LICENSED PROFESSIONAL ENGINEER
1/11/2024

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PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER **22-075** DATE 7/17/2025
SHEET NUMBER
CONSTRUCTION DETAILS III
CD17

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ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4500 psi.

REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI STANDARDS

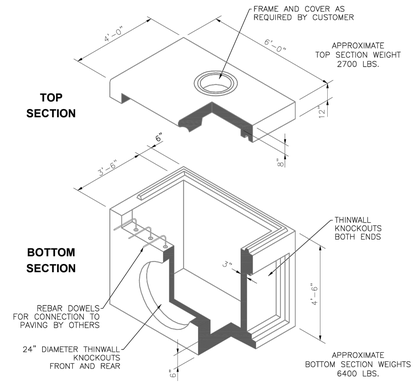
STANDARD STRUCTURAL DESIGN IS BASED ON AASHTO H 20 SIDEWALK LOADING.

WATER TABLE IS AT 5'-0" BELOW GRADE FOR STANDARD STRUCTURAL DESIGN

THE STANDARD DESIGN IS BASED ON THE TOP AT GRADE AND THE BASE AT 5'-0" MAX. BELOW GRADE.

THE STRUCTURE SHALL BE PLACED ON A COMPACTED GRANULAR BASE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURES.

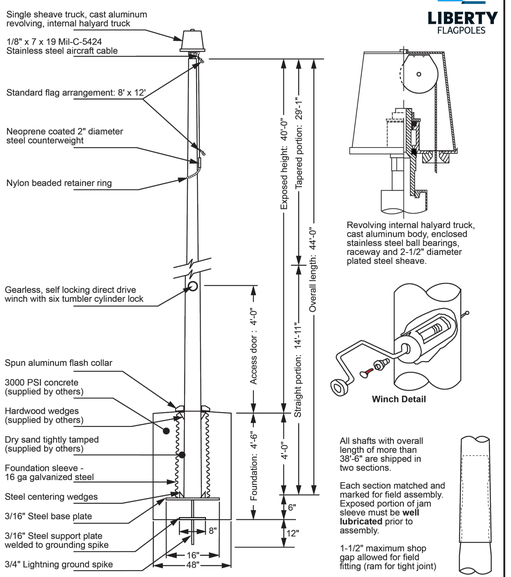
SPECIAL DESIGNS BASED ON OTHER LOADINGS OR DEEPER INSTALLATION DEPTHS ARE AVAILABLE ON REQUEST.



Oldcastle Precast® 1900 Rilling Road San Antonio, TX 78214 Phone: (210) 923-4523 Fax: (210) 921-0473	UI5-INL5 FILE NAME: AUSTININL5.dwg ISSUE DATE: March, 2005 www.oldcastlesanantonio.com	AUSTIN 5 FT. CURB INLET WITH 5.0 INVERT

Model ECA40 IH - Deluxe Internal Halyard

LIBERTY FLAGPOLES



Project: Location: Contractor: Customer:	Date: Job: Revision:	Exposed Height ___ 40'-0" Overall Height ___ 44'-0" Butt Diameter ___ 8" Top Diameter ___ 3-1/2" Wall Thickness ___ .156" Ships in 2 sections	Ground set tapered aluminum flagpole ALLOY 6063T6 80 grit polish FINISH:

ECA40 IH | 8-1-21

NOTE: CONTRACTOR TO PROVIDE SUBMITTAL PRIOR TO PURCHASE.

Fiberglass Hot Rok® Enclosures

- **Enhances Landscape -** Natural rocklike texture and colors are visually appealing.
- **Quick & Easy Installation -** Drop-over design with optional hinge for ease of maintenance on larger Roks.
- **Durable & Corrosion Resistant -** Reinforced fiberglass with UV stable gelcoat exterior provides a corrosion proof finish that both looks good and stands up to the elements.
- **Superior Freeze Protection -** Self-regulating heat trace tape provides proven freeze protection.
- **Peace of Mind -** ASSE 1060 certification ensures that requirements for structural strength, drainage capacity, material construction, equipment access, and functional design are met.

Note: Also available as uninsulated enclosures (see page 35).

For unheated units, replace the "H" in the part# with an "L".

Catalog Part Number	Model Number	Style	Color	Inside Width A (in)	Inside Length B (in)	Inside Height C (in)	Heater	Weight #
HR0060150196	GHR.75	Lift Off	Brown	8	16	19	30W	25
HR0060150196	GHR.75	Lift Off	Granite	8	16	19	30W	25
HR0060150195	GHR.75	Lift Off	Desert Rose	8	16	19	30W	25
HR0100260226	GHR1	Lift Off	Brown	10	24	19.5	60W	50
HR0100260226	GHR1	Lift Off	Granite	10	24	19.5	60W	50
HR0100260225	GHR1	Lift Off	Desert Rose	10	24	19.5	60W	50
HR0100260225	GHR1	Lift Off	Brown	10	24	19.5	60W	50
HR0100260225	GHR1	Lift Off	Granite	10	24	19.5	60W	50
HR0100260225	GHR1	Lift Off	Desert Rose	10	24	19.5	60W	50
HR0150403	GHR2	Lift Off	Brown	15	40	30	90W	80
HR0150403	GHR2	Lift Off	Granite	15	40	30	90W	80
HR0150403	GHR2	Lift Off	Desert Rose	15	40	30	90W	80
HR0150403	GHR2	Lift Off	Brown	15	40	30	90W	80
HR0150403	GHR2	Lift Off	Granite	15	40	30	90W	80
HR0150403	GHR2	Lift Off	Desert Rose	15	40	30	90W	80
HR2106704	GHR3	Hinged	Brown	21	73	43	2-90W	365
HR2106704	GHR3	Hinged	Granite	21	73	43	2-90W	365
HR2106704	GHR3	Hinged	Desert Rose	21	73	43	2-90W	365

For unheated units, replace the "H" in the part# with an "L".

Available Colors:

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MHS
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1/11/2024

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PROJECT MANAGER
WILLIAM SPENCER

$HEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
CONSTRUCTION DETAILS IV
CD18

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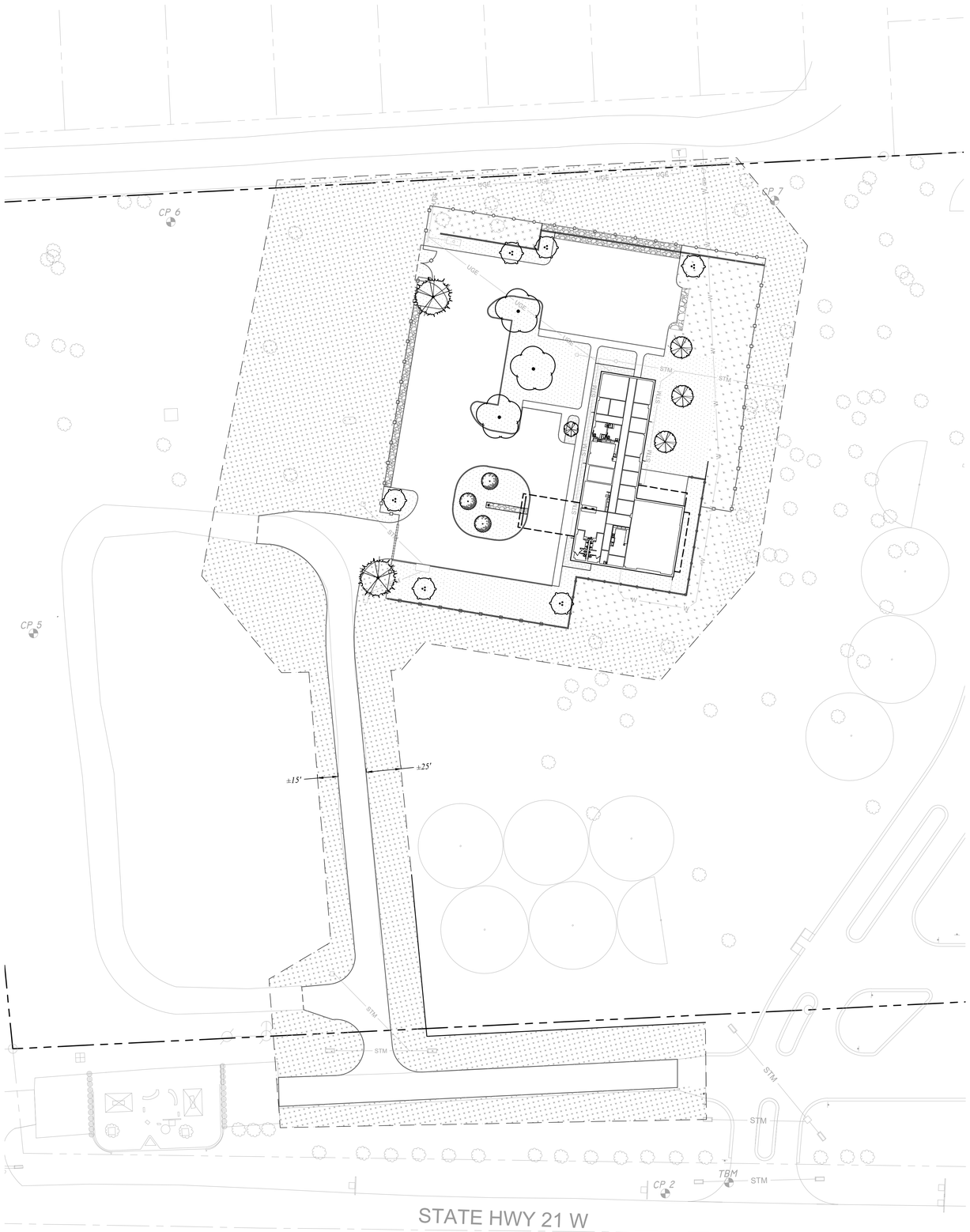


NOTE:

CONTRACTOR MUST SEED ANY DISTURBED AREAS OUTSIDE OF THE SOD LIMITS.

SEED MIX IS INTENDED FOR MINIMALLY MAINTAINED AREAS AND WILL NEED TO BE REVISED IF AREA IS TO BE MOWED REGULARLY.

NOTE:

1.) NATIVE GRASS SEED TO BE 'PINEY WOODS ECOREGION - SANDY SOIL MIX'
10% BLACKWELL SWITCHGRASS
15% CHEYENNE INDIANGRASS
10% DUVAL GERMPLASM RED LOVEGRASS
10% LAVACA CANADA WILDRYE
10% MASON SAND LOVEGRASS
10% NUECES GERMPLASM SAND DROPSEED
25% OK SELECT GERMPLASM LITTLE BLUESTEM
10% SANTIAGO GERMPLASM SILVER BLUESTEM

SEED TO BE PLANTED 3.5 LBS PER ACRE.

N

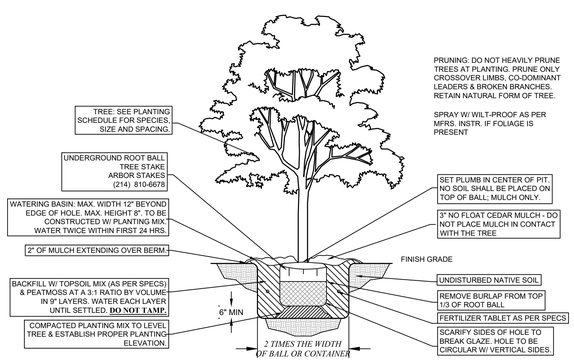
0 40 80 FEET

GRAPHIC SCALE

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY
TREES			
	Quercus palustris / Pin Oak	3" D.B.H.	2
	Quercus shumardii / Shumard Red Oak	3" D.B.H.	3
ORNAMENTAL TREES			
	Cercis canadensis / Eastern Redbud	30 gal.	6
	Cornus florida / Flowering Dogwood	30 gal.	3
	Ilex decidua / Possumhaw Holly	30 gal.	3

SYMBOL	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
TURFGRASS				
	Buchloe dactyloides / Buffalo Grass	Seed		83,513 sf
	Cynodon dactylon / Bermudagrass	Hydromulch		10,558 sf
	Cynodon dactylon / Bermudagrass	Sod		18,197 sf
MISC. LANDSCAPE MATERIALS				
	2" Rainbow River Rock			1,570 sf
	Rock – Riprap			170 sf
	Landscape Bed			952 sf
	Steel Edging			145 lf



TREE PLANTING DETAIL

N.T.S.

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

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info@fitzpatrickarchitects.com

MHS PENDLETON OFFICE
HEMPHILL, TX

REGISTERED LANDSCAPE ARCHITECT
JAMES H. DUKE
3989
STATE OF TEXAS

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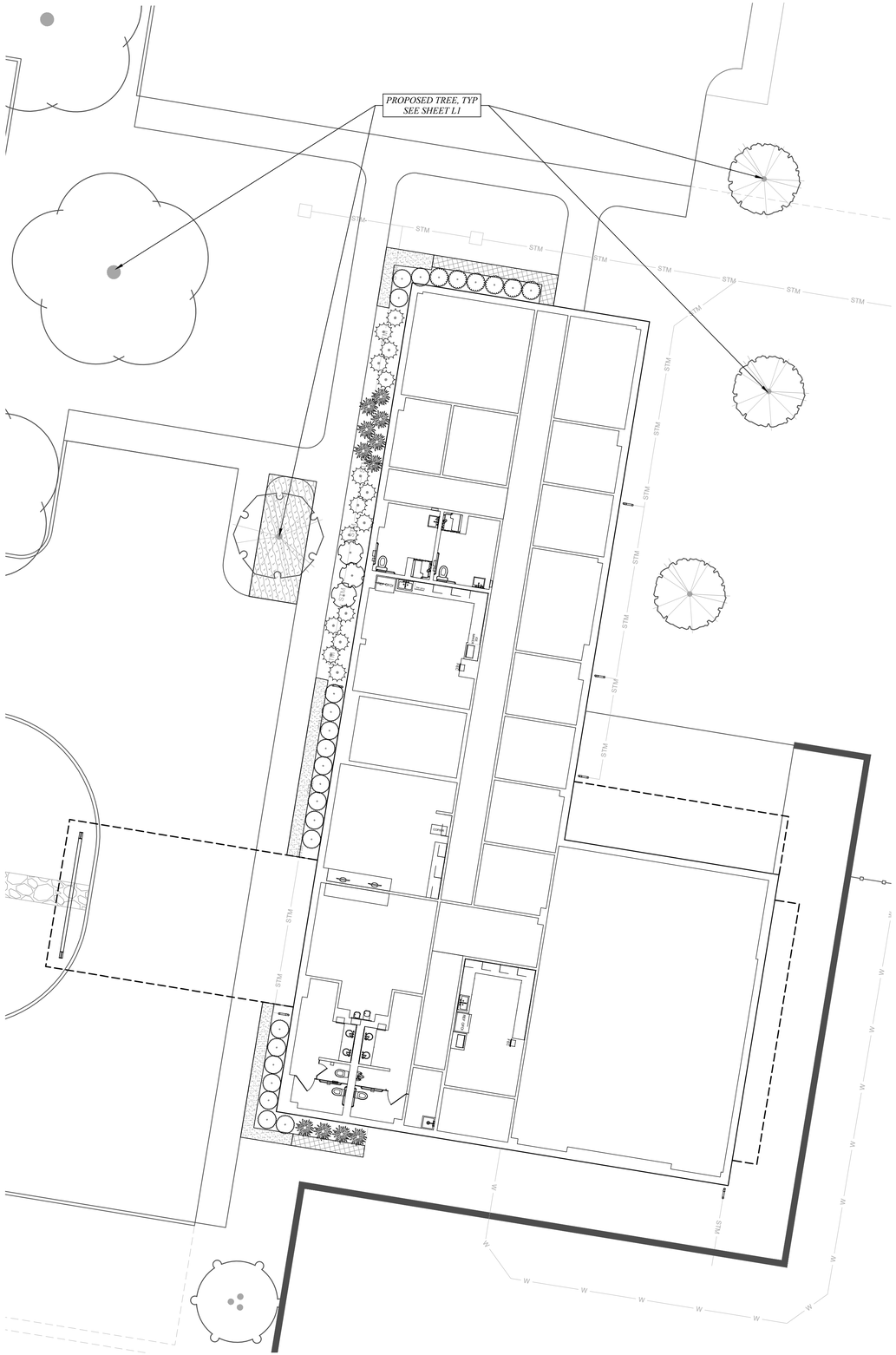
PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER **22-075**
DATE 7/17/2025
SHEET NUMBER
TREE AND SOD PLAN
L1

L:\River Authorities\Sabine River Authority\22-075 Pendleton Office Building (SRA)\CAD\03 - Production\TREE AND SOD PLAN.dwg

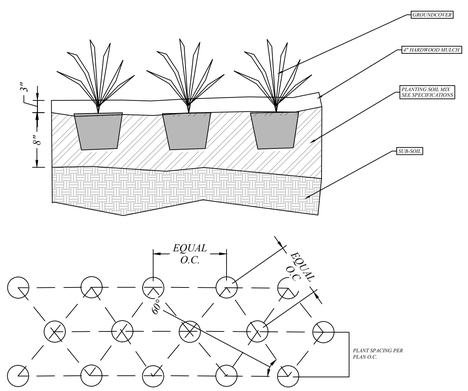


PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY
SHRUBS			
	Itea virginica 'Henry's Garnet' / Henry's Garnet Sweetspire	3 gal.	6
	Myrica cerifera 'Pumila' / Dwarf Wax Myrtle	5 gal.	19
	Rosa Drift Peach / Drift Rose	5 gal.	15
	Rosmarinus officinalis 'Arp' / Arp Rosemary	1 gal.	3
ORNAMENTAL GRASSES			
	Muhlenbergia capillaris / Pink Muhly Grass	3 gal.	11

SYMBOL	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
SHRUB AREAS				
	Lantana x 'New Gold' / New Gold Lantana	4"	24" o.c.	41
PERENNIAL				
	Gaura lindheimeri / Gaura	1 gal.	18" o.c.	33
MATERIALS				
	Hardwood Mulch 4" Depth			795 sf
	Bed Preparation Materials			795 sf

0 10 20 FEET
GRAPHIC SCALE



GROUNDCOVER PLANTING
N.T.S.

811
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info@fitzpatrickarchitects.com

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HEMPHILL, TX

REGISTERED LANDSCAPE ARCHITECT
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STATE OF TEXAS

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PROJECT MANAGER
WILLIAM SPENCER

SHEET REVISION HISTORY

JOB NUMBER	DATE
22-075	7/17/2025

SHEET NUMBER
LANDSCAPE PLAN
L2

LIFE SAFETY PLAN LEGEND

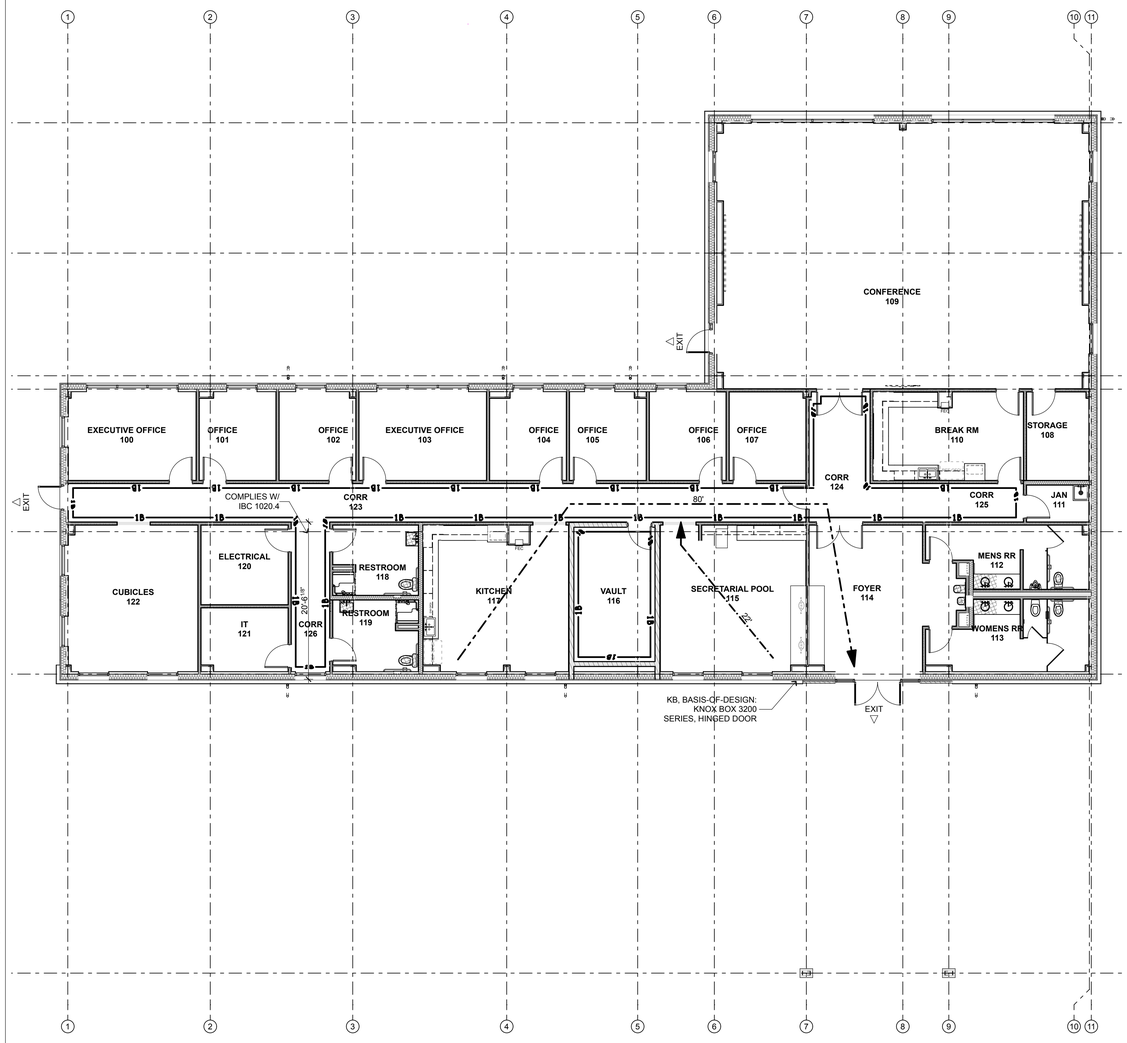
IBC 2015 TABLE 1006.2.1 COMMON PATH OF TRAVEL = 75' MAX

IBC 2015 TABLE 1017.2 EXIT ACCESS DISTANCE = 200' MAX (NOT SPRINKLED)

1B — 1 HOUR FIRE BARRIER

KB = KNOX BOX

FEC = FIRE EXTINGUISHER CABINET



A1 G101 FIRST FLOOR LIFE SAFETY PLAN

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

CITY INFO:		
CODE VERSION	2015 IBC	
ADDRESS		
LOT		
BLOCK		
ZONING CLASSIFICATION		
BUILDING CODE INFORMATION:		
BUILDING OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)	B	
TYPE OF CONSTRUCTION (IBC CHAPTER 6)	II-B	
SPRINKLERED (TYPE YES OR NO)	NO	
BUILDING AREA	MAX BY CODE	PROVIDED
ALLOWABLE AREA (IBC TABLE 506.2)		
FIRST FLOOR	23,000 SF	7,196 SF
TOTAL BUILDING AREA	23,000 SF	7,196 SF
OCCUPANCY (IBC TABLE 1004.1.2)	TYPE	OCCUPANT LOAD
FIRST FLOOR	BUSINESS	72
BUILDING HEIGHT & STORIES		
FEET ABOVE GRADE (IBC TABLE 504.3)	55'	21'-7"
STORIES ABOVE GRADE (IBC TABLE 504.4)	3	1
EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2)	200'	80'
COMMON PATH OF EGRESS TRAVEL (IBC TABLE 1006.2.1)	75'	22'
DEAD END CORRIDOR (IBC 1020.4)	20'	19'-6"

DISTANCE OF SEPARATION (IBC TABLE 602)	DISTANCE	RATING
NORTH	>30	0
SOUTH	>30	0
EAST	>30	0
WEST	>30	0

PERCENT OF EXTERIOR OPENINGS (IBC TABLE 705.8)		
FIRST FLOOR	>30', No Limit	N/A
SECOND FLOOR	>30', No Limit	N/A
THIRD FLOOR	>30', No Limit	N/A
FOURTH FLOOR	>30', No Limit	N/A
FIFTH FLOOR	>30', No Limit	N/A

EGRESS WIDTH	REQUIRED	PROVIDED	EGRESS FACTOR
STAIRWAYS (IBC 1005.3.1)	44 in	NA	0.30
OTHER (IBC 1005.3.2)	32 in	36 in	0.20

PLUMBING REQUIREMENTS (IBC TABLE 2902.1)	REQUIRED	PROVIDED
WATER CLOSETS	4	5
LAVATORIES	2	6
DRINKING FOUNTAINS	1	2
SERVICE SINKS	1	1

FIRE RATINGS	RATING
CORRIDORS (IBC TABLE 1020.1)	1 HR
CORRIDOR DOORS (IBC TABLE 716.5)	20 MIN
SHAFTS (IBC 713.4)	NA
STAIR ENCLOSURE (IBC 1023.2)	NA
STAIR DOORS (IBC TABLE 716.5)	NA
SEPERATION BETWEEN OCCUPANCIES (IBC TABLE 508.4)	NA
STRUCTURAL FRAME (IBC TABLE 601)	0
BEARING WALLS - EXTERIOR (IBC TABLE 601 & 602)	0
BEARING WALLS - INTERIOR (IBC TABLE 601)	0
NON-BEARING WALLS - EXTERIOR (IBC TABLE 601 & 602)	0
NON-BEARING WALLS - INTERIOR (IBC TABLE 601)	0
FLOOR CONSTRUCTION (IBC TABLE 601)	0
ROOF CONSTRUCTION (IBC TABLE 601)	0

A4 G101 CODE INFORMATION

FIRE & LIFE SAFETY GENERAL NOTES

1. THE PURPOSE OF THE FIRE AND LIFE SAFETY DRAWINGS IS TO ILLUSTRATE IN SCHEMATIC FASHION, THE APPLICABLE EXITING, FIRE-RESISTANCE, AND LIFE SAFETY CONCEPTS UTILIZED BY THIS PROJECT; INCLUDING, BUT NOT LIMITED TO:
- OCCUPANCY CLASSIFICATIONS
- OCCUPANCY LOAD FACTORS
- EXIT LOCATIONS, EXIT PATHS & CAPACITY
- FUNCTION OF SPACE
- FIRE-RESISTANCE RATED CONSTRUCTION
- AND OTHER STRATEGIES RELATED TO THE CODE COMPLIANCE APPROACH OF THIS PROJECT.

2. ADDITIONAL DETAILED REQUIREMENTS APPLY TO THE CONSTRUCTION OF PARTITIONS, FIRE RATED DOOR ASSEMBLIES, INTERIOR GLAZED OPENINGS, DUCTS, SMOKE AND FIRE DAMPERS AND THROUGH PENETRATION FIRE STOPPING. REFER TO THE DRAWINGS OF EACH DISCIPLINE AND THE SPECIFICATIONS FOR THESE REQUIREMENTS.

3. ADDITIONAL DETAILED REQUIREMENTS SHOWN ELSEWHERE MAY REQUIRE CONSTRUCTION HAVING GREATER FIRE RATINGS, MORE EXTENSIVE FIRE-RATED CONSTRUCTION,OR MORE COMPLEX ASSEMBLIES THAN INDICATED BY THE DIAGRAMS ON THIS SHEET. WHEN PROVIDED, THE ADDITIONAL DETAILED REQUIREMENTS SHALL GOVERN.

4. FIRE BARRIERS OR WALLS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO. SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES.

5. SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS.

6. SMOKE BARRIERS SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL AND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE, INCLUDING CONTINUITY THROUGH CONCEALED SPACES.

7. SMOKE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE OR TO THE UNDERSIDE OF THE CEILING ABOVE WHERE THE CEILING MEMBRANE IS CONSTRUCTED TO LIMIT THE TRANSFER OF SMOKE

[redacted] SMOKE BARRIER [redacted]

BLUE BLOCK LETTERS 2" HIGH- SPACE ALONG STRIPE EVERY 3'

BLUE STRIPE 3" WIDE

[redacted] ? HR FIRE WALL [redacted]

RED BLOCK LETTERS 2" HIGH- SPACE ALONG STRIPE EVERY 3'

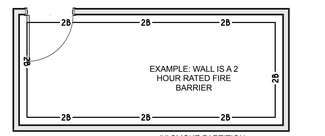
RED STRIPE 3" WIDE

[redacted] ? HR FIRE BARRIER [redacted]

PAINTED STRIPE & LABEL LOCATED ON FIRE BARRIER OR WALL 12" ABOVE CLG IN LOCATIONS WHERE ABOVE CLG AREA IS ACCESSIBLE. ALSO LOCATE ABOVE CLG ACCESS PANELS. NOTE: REPLACE ? W/ RATING

C6 G101 FIRE BARRIER/WALL LABEL

NOT TO SCALE



'X' SMOKE PARTITION (OPENINGS SMOKE TIGHT)

'S' SMOKE BARRIER (OPENINGS RATED 20 MIN)

'1B' 1-HR FIRE BARRIER

'2W' 2-HR FIRE WALL

'2B' 2-HR FIRE BARRIER

'3W' 3-HR FIRE WALL

'3B' 3-HR FIRE BARRIER

'4W' 4-HR FIRE WALL

'4B' 4-HR FIRE BARRIER

B6 G101 FIRE RATING SYMBOLS

NOT TO SCALE

APPLICABLE BUILDING CODES

2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL PLUMBING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL FIRE CODE
2017 NATIONAL ELECTRICAL CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE
2015 INTERNATIONAL EXISTING BUILDING CODE

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MHS PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT THOMAS M. FITZPATRICK 18963 STATE OF TEXAS

1" IN ACTUAL

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PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
G101
BUILDING CODE SUMMARY

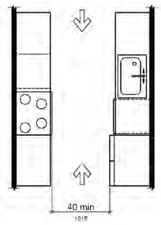


Figure 804.2.1 Pass Through Kitchens

KITCHEN CLEARANCES - PASS-THRU

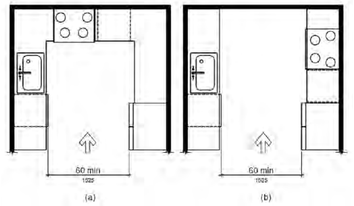
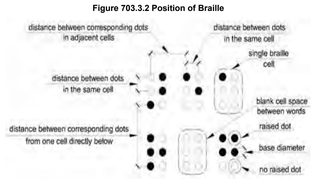


Figure 804.2.2 U-Shaped Kitchens

KITCHEN CLEARANCES - U-SHAPED

Figure 703.3.2 Position of Braille



BRAILLE SIGNAGE LOCATION

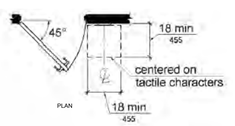
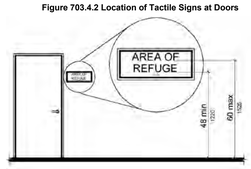
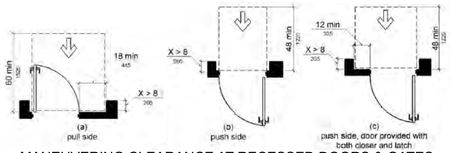


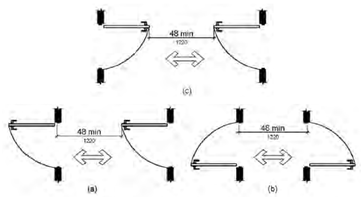
Figure 703.4.2 Location of Tactile Signs at Doors



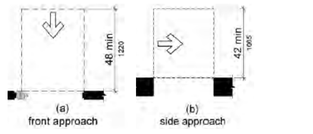
TYPICAL SIGNAGE LOCATION



MANEUVERING CLEARANCE AT RECESSED DOORS & GATES

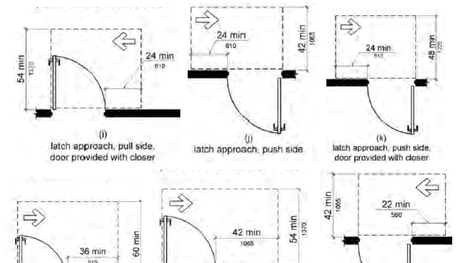


DOORS & GATES IN SERIES



MINIMUM CLEAR WIDTH @ DOORWAYS W/O DOORS, SLIDING, GATES OR FOLDING DOORS

MINIMUM CLEAR DOOR WIDTH



TYPICAL DOOR AND OPENING CLEARANCES

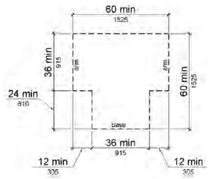


Figure 304.3.2 T-Shaped Turning Space

T-SHAPED TURNING SPACE

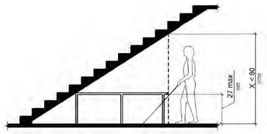
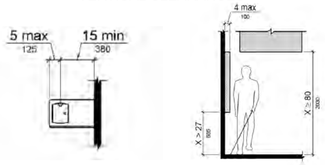
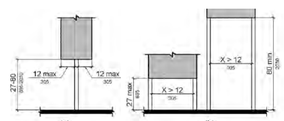


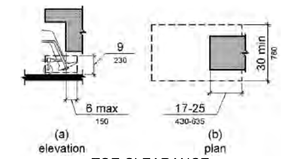
Figure 307.4 Vertical Clearance

VERTICAL CLEARANCES

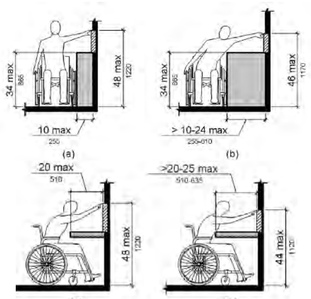




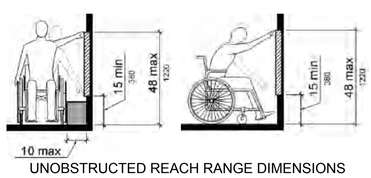
POST MNTD PROTRUDING OBJECTS



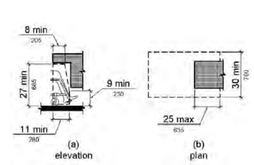
TOE CLEARANCE



OBSTRUCTED REACH RANGE DIMENSIONS



UNOBSTRUCTED REACH RANGE DIMENSIONS



KNEE CLEARANCE

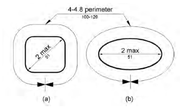


Figure 609.2.2 Grab Bar Non-Circular Cross Section

NON-CIRCULAR GRAB BAR DIMENSIONS

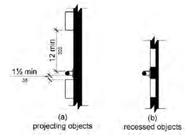
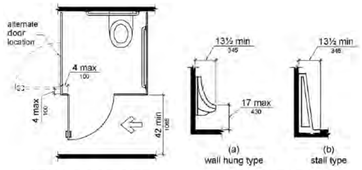
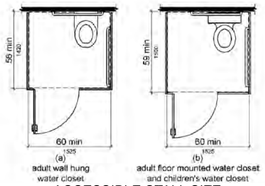


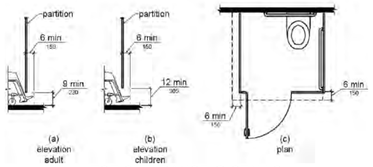
Figure 609.3 Spacing of Grab Bars

MINIMUM GRAB BAR SPACING CLEARANCE

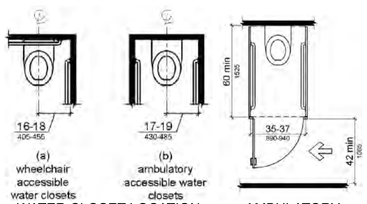


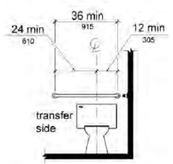


ACCESSIBLE STALL SIZE



TOE CLEARANCE @ STALLS

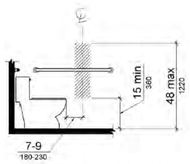




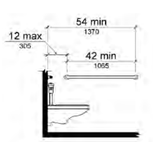
REAR WALL @ WATER CLOSET

NOTE:
FLUSH CONTROLS TO BE MOUNTED ON TRANSFER SIDE OF TOILET

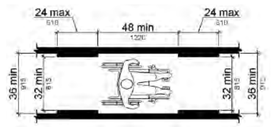
WATER CLOSET CLEARANCE



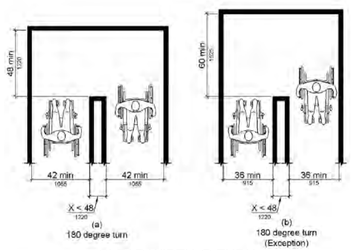
DISPENSER LOCATION



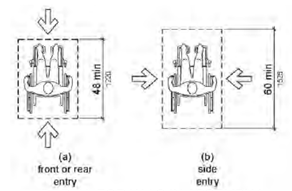
SIDE WALL @ WATER CLOSET



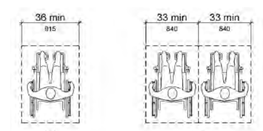
WIDTH OF ACCESSIBLE ROUTE



CLEAR WIDTH @ TURN



DEPTH FOR W / C IN ASSEMBLY



WIDTH FOR W / C IN ASSEMBLY

NOTE: ALL CONDITIONS SHOWN MAY NOT BE USED. CONTRACTOR TO VERIFY SPECIFIC JOB REQUIREMENTS TO DETERMINE SUITABILITY OF DETAILS SHOWN

fitzpatrick ARCHITECTS
110 N COLLEGE AVE
SUITE 1700
TYLER, TEXAS 75702
903.592.0728
info@fitzpatrickarchitects.com

MHS
PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT
THOMAS M. FITZPATRICK
18993
STATE OF TEXAS

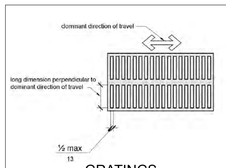
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	7/17/25

SHEET NUMBER
G102
ACCESSIBILITY DETAILS



GRATINGS

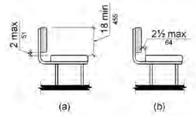


Figure 903.4 Bench Back Support

BENCH W/ BACK SUPPORT

Table 407.4.7.1.3 Elevator Control Button Identification

Control Button	Tactile Symbol	Braille Message
Emergency Stop		"ST"OP Three cells
Alarm		AL"AR"M Four cells
Door Open		OP"EN" Three cells
Door Close		CLOSE Five cells
Main Entry Floor		MA"IN" Three cells
Phone		PH"ONE" Four cells

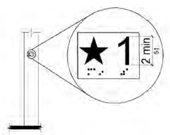


Figure 407.2.3.1 Floor Designations on Jambs of Elevator Hoistway Entrances

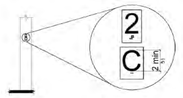


Figure 407.2.3.2 Car Designations on Jambs of Destination-Oriented Elevator Hoistway Entrances

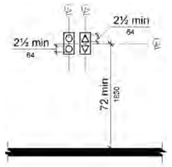
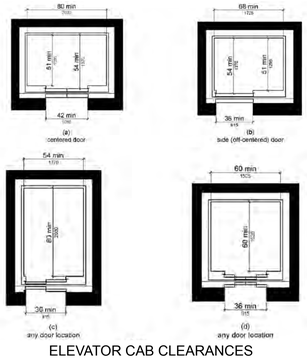


Figure 407.2.2.2 Visible Hall Signals

ELEVATOR SIGNALS / LANTERN LOCATIONS



ELEVATOR CAB CLEARANCES

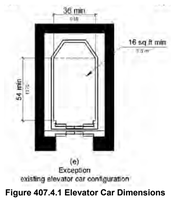
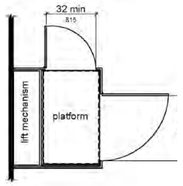
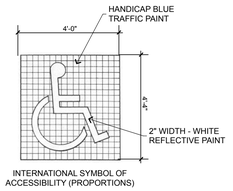


Figure 407.4.1 Elevator Car Dimensions

EXISTING ELEVATOR CAB CLEARANCES



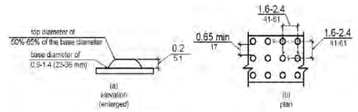
PLATFORM LIFT CLEARANCES



ACCESSIBLE PARKING SYMBOL

ACCESSIBLE PARKING DIMENSIONS

NOTE: SEE ARCHITECTURAL & CIVIL SITE PLANS FOR EXACT NUMBER OF SPOTS



TRUNCATED DOME SIZE

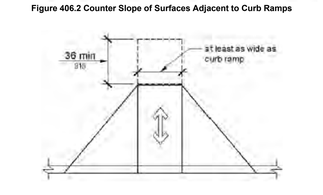
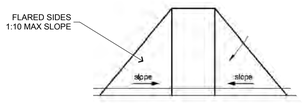
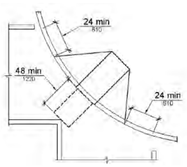
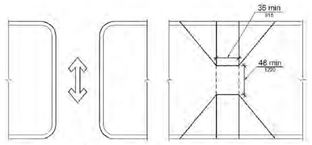


Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps





CURB RAMPS - DIMENSIONS & CLEARANCES



CURB RAMPS - DIMENSIONS & CLEARANCES

Table 405.2 Maximum Ramp Slope and Rise for Existing Sites, Buildings, and Facilities

Slope[1]	Maximum Rise
Steeper than 1:10 but not steeper than 1:8	3 inches (75 mm)
Steeper than 1:12 but not steeper than 1:10	6 inches (150 mm)

1. A slope steeper than 1:8 is prohibited.

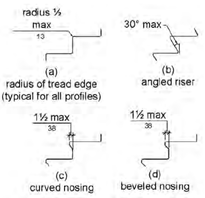


Figure 504.5 Stair Nosings

STAIR RISERS

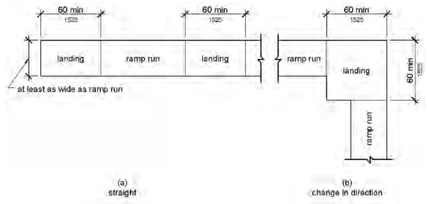


Figure 405.7 Ramp Landings

RAMP & STAIR SURFACES - DIMENSIONS & CLEARANCES

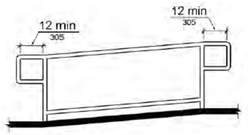


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

RAMP HANDRAIL EXTENSION

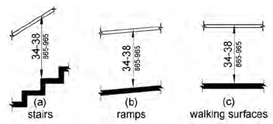
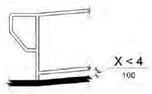
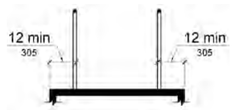


Figure 505.4 Handrail Height

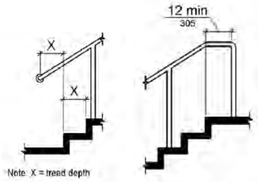
HANDRAILS LOCATIONS



EDGE PROTECTION



GROUND / SURFACE EDGE PROTECTION



STAIR HANDRAIL EXTENSIONS

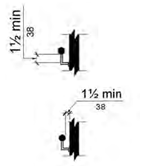


Figure 505.5 Handrail Clearance

HANDRAIL - CLEARANCE

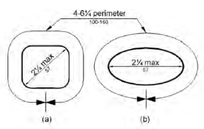


Figure 505.7.2 Handrail Non-Circular Cross Section

HANDRAILS - DIMENSIONS

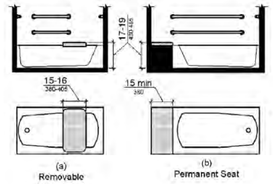


Figure 610.2 Bathtub Seats

TYP H/C TUB SEATS- CLEARANCE

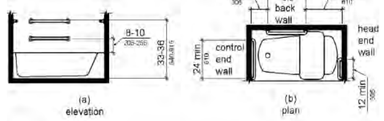


Figure 607.4.2 Grab Bars for Bathtubs with Removable In-Tub Seats

TYP H/C TUB GRAB BARS W/O SEATS- CLEARANCE

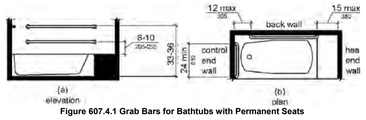


Figure 607.4.1 Grab Bars for Bathtubs with Permanent Seats

TYPICAL H/C TUB GRAB BARS - SIZE / CLEARANCE

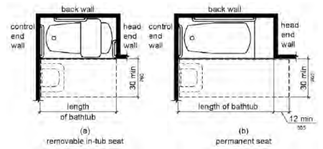


Figure 607.2 Clearance for Bathtubs

TYPICAL H/C TUB - SIZE / CLEARANCE

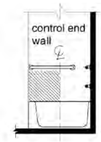


Figure 607.5 Bathtub Control Location

TYP H/C TUB CONTROL PANEL LOCATION

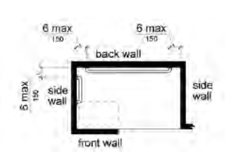


Figure 608.3.3 Grab Bars for Alternate Roll-In Type Showers

ROLL-IN SHOWER ALTERNATE GRAB BAR LOCATION

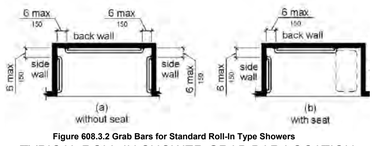


Figure 608.3.2 Grab Bars for Standard Roll-In Type Showers

TYPICAL ROLL-IN SHOWER GRAB BAR LOCATION

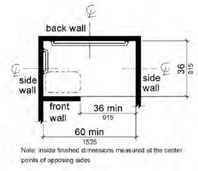


Figure 608.2.3 Alternate Roll-In Type Shower Compartment Size and Clearance

ROLL-IN SHOWER ALTERNATE SIZE / CLEARANCE

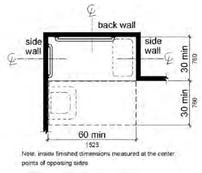


Figure 608.2.2 Standard Roll-In Type Shower Compartment Size and Clearance

TYPICAL ROLL-IN SHOWER - SIZE / CLEARANCE

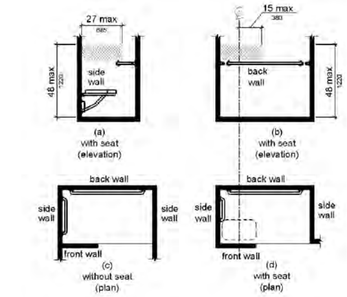


Figure 608.5.3 Alternate Roll-In Type Shower Compartment Control Location

ALTERNATE ROLL-IN SHOWER CONTROL LOCATION

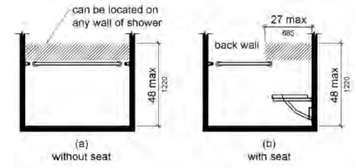


Figure 608.5.2 Standard Roll-In Type Shower Compartment Control Location

TYPICAL ROLL-IN SHOWER CONTROL LOCATION

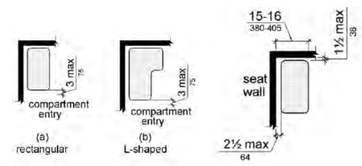


Figure 610.3 Extent of Seat

Figure 610.3.1 Rectangular Shower Seat

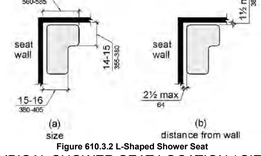


Figure 610.3.2 L-Shaped Shower Seat

TYPICAL SHOWER SEAT LOCATION / SIZES

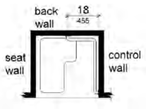


Figure 608.3.1 Grab Bars for Transfer Type Showers

TYPICAL TRANSFER SHOWER GRAB BAR LOCATION

Figure 608.5.1 Transfer Type Shower Compartment Control Location

TYPICAL TRANSFER SHOWER CONTROL LOCATION

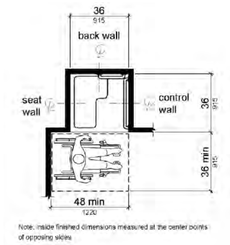


Figure 608.2.1 Transfer Type Shower Compartment Size and Clearance

TYPICAL TRANSFER SHOWER - SIZE / CLEARANCE

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HEMPHILL, TX

REGISTERED ARCHITECT
THOMAS M. FITZPATRICK
18953
STATE OF TEXAS

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PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

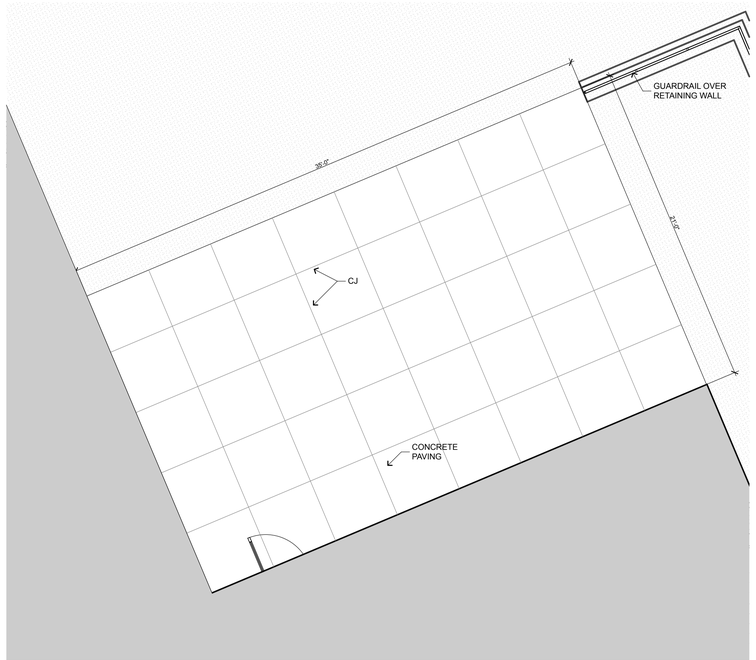
JOB NUMBER **21.095**

DATE **7/17/25**

SHEET NUMBER

G103

ACCESSIBILITY DETAILS

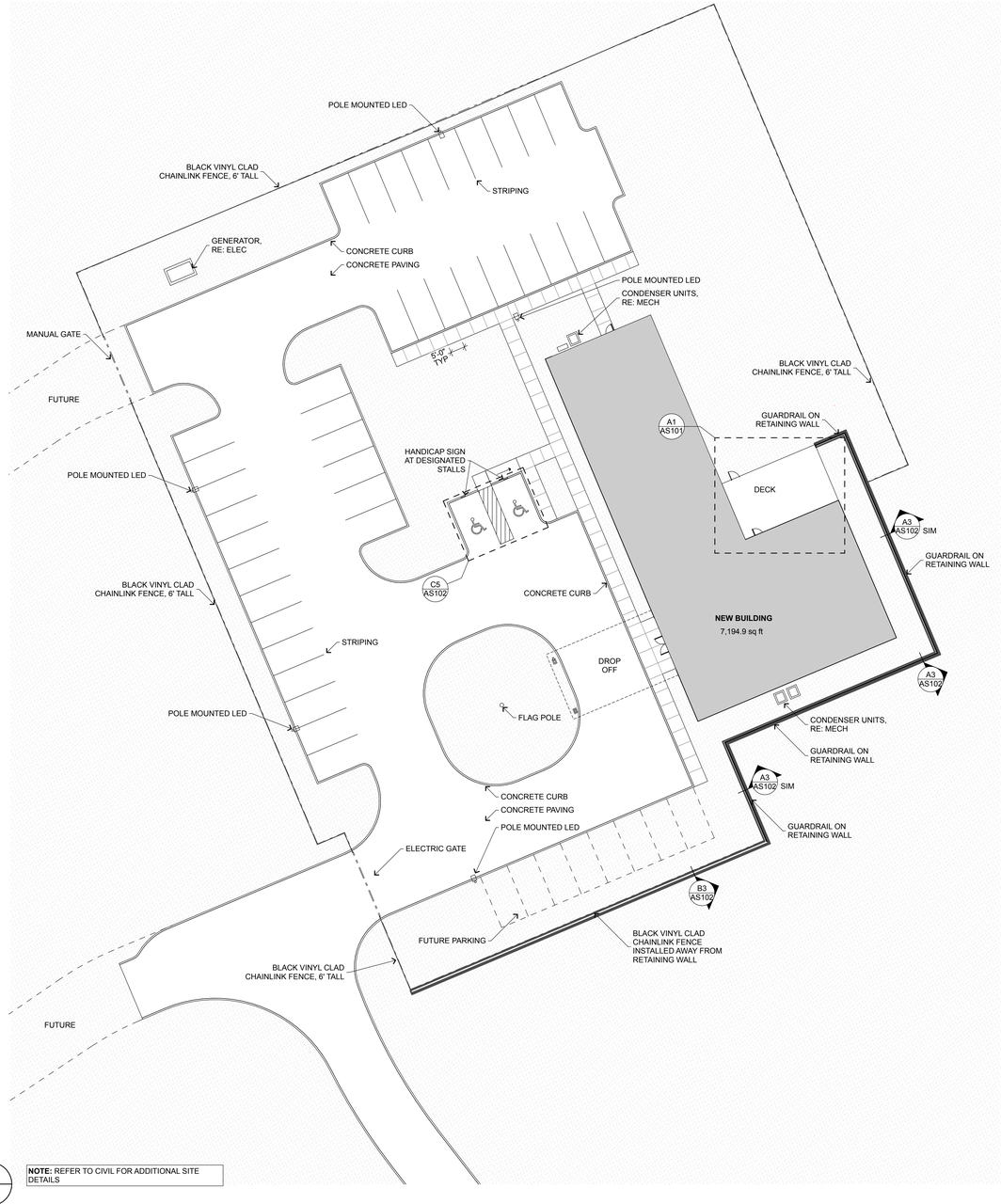


N

A1 AS101 ENLARGED SITE PLAN

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

0 2' 4' 8'



N

NOTE: REFER TO CIVIL FOR ADDITIONAL SITE DETAILS

A4 AS101 SITE PLAN

SCALE: 1" = 20'

0 10' 20' 40'

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STATE OF TEXAS

1" ACTUAL

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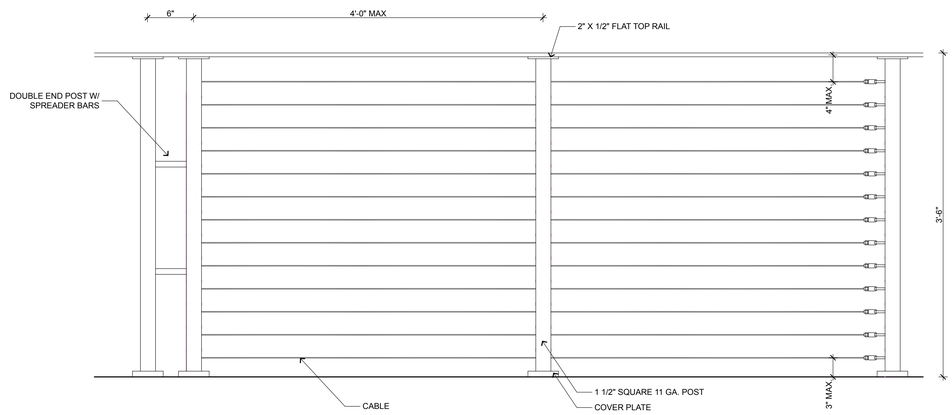
SHEET REVISION HISTORY

JOB NUMBER **21.095**

DATE **7/17/25**

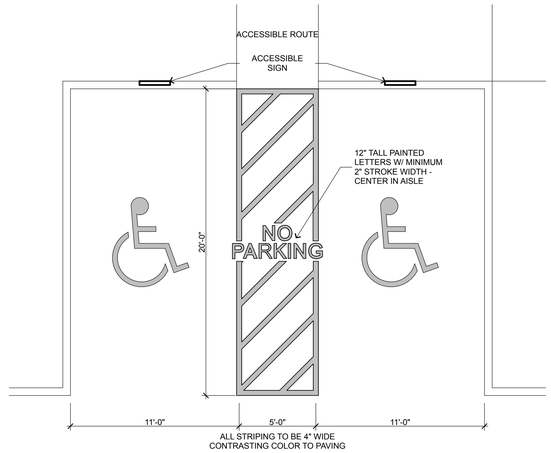
SHEET NUMBER
AS101
SITE PLAN



CORNER POST CONDITION **INTERMEDIATE POST CONDITION**

C1 AS102 TYP GUARDRAIL DETAIL

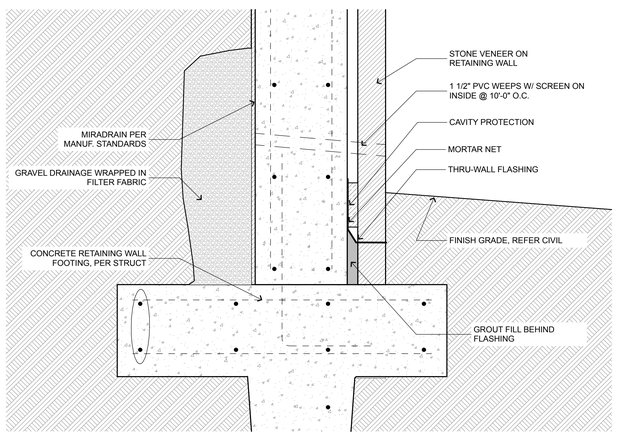
SCALE: 1 1/2"= 1'-0"



UNIVERSAL SIZE PARKING SPACES

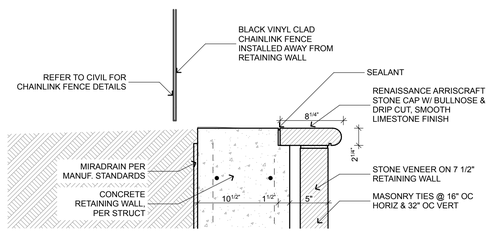
C5 AS102 ACCESSIBLE PARKING SPACES

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



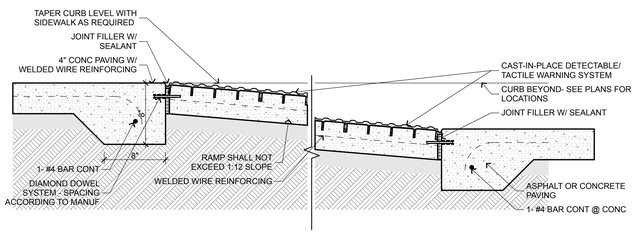
A1 AS102 WALL SECTION @ RETAINING WALL

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



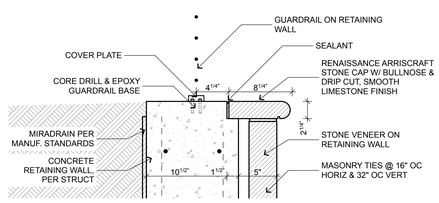
B3 AS102 WALL SECTION @ FENCE

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



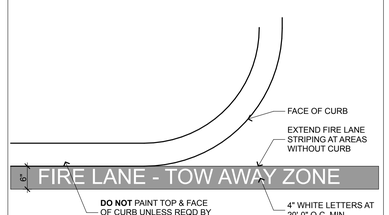
B5 AS102 ACCESSIBLE RAMP

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



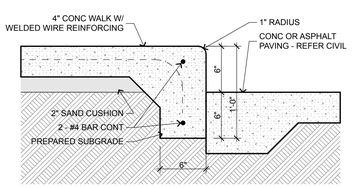
A3 AS102 WALL SECTION @ GUARDRAIL

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



A5 AS102 FIRE LANE MARKING

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



A6 AS102 CURB @ SIDEWALK

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

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REGISTERED ARCHITECT JOSHUA M. STEED 18953 STATE OF TEXAS

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JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	7/17/25

SHEET NUMBER
AS102
SITE DETAILS

PLAN NORTH

A3 / A101 FLOOR PLAN DIMENSIONED

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

0 4' 8' 16'

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18953
STATE OF TEXAS

1" ACTUAL

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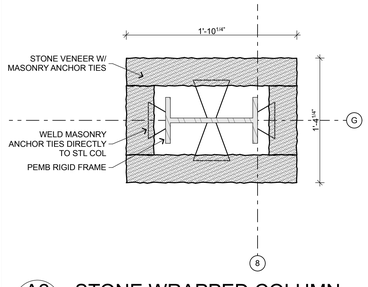
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A101
FLOOR PLAN DIMENSIONED



A2 / A102 STONE WRAPPED COLUMN

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

PLAN NORTH

NOTE: ALL INTERIOR PARTITIONS TO BE C04 U.N.O.

NOTE: ALL INTERIOR COLUMN WRAPS TO BE B01 U.N.O.

A3 / A102 FLOOR PLAN REFERENCE

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

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SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A102
FLOOR PLAN REFERENCE

PLAN NORTH

NOTE: FURNITURE SHOWN FOR REFERENCE, NOT INCLUDED IN BASE BID

A3
A103

FIRST FLOOR FURNITURE PLAN

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

0 4' 8' 16'

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STATE OF TEXAS

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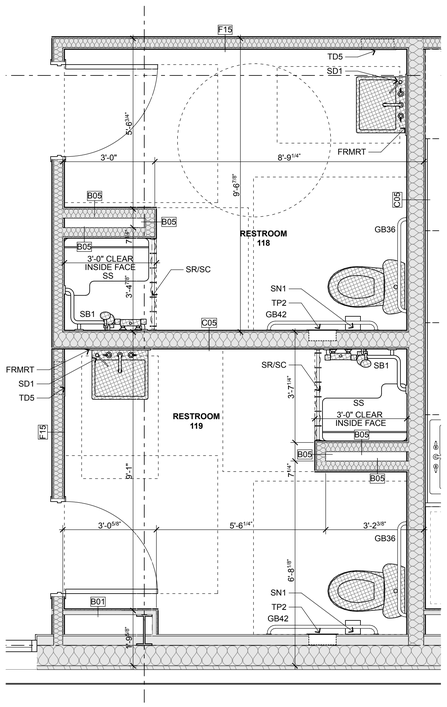
SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A103
FLOOR PLAN FURNITURE

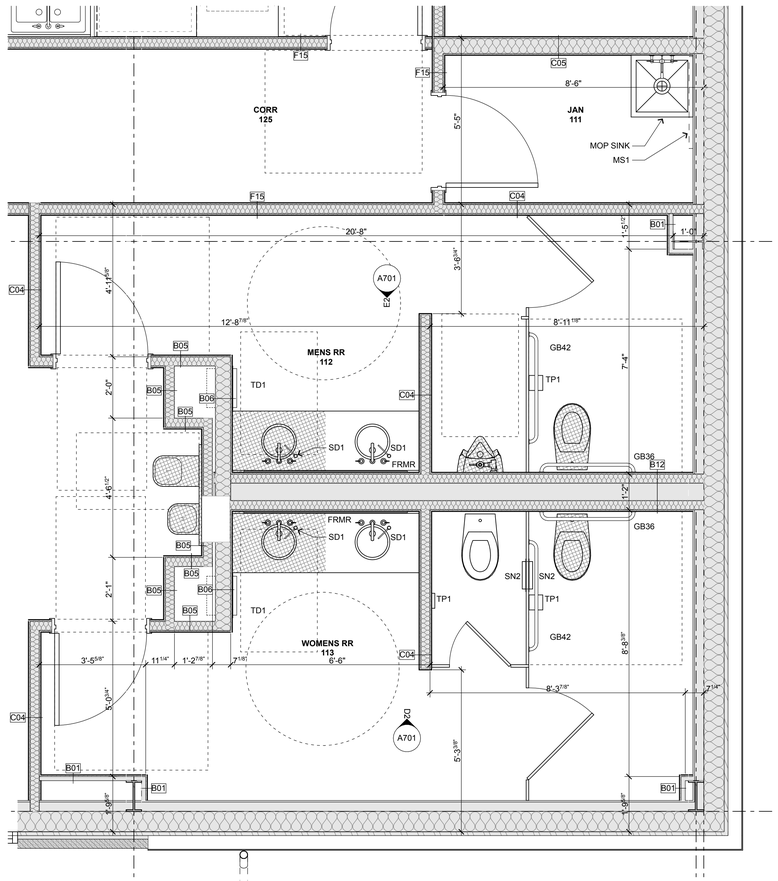


PLAN NORTH

A2 / A104 RR 119 & 121 ENLARGED

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

0 1" 2" 4"



PLAN NORTH

A4 / A104 MENS & WOMENS RR ENLARGED

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

0 1" 2" 4"

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SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A104
ENLARGED PLANS

INTERIOR METAL STUD FRAMING NOTES

A. ALL NON-LOAD-BEARING METAL WALL FRAMING SHALL BE 25 GAUGE UNLESS OTHERWISE NOTED BELOW. REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL REQT'S

B. AT WALLS WITH ONE LAYER OF 5/8" GYPSUM WALL BOARD ON EACH SIDE, PROVIDE **20 GAUGE** METAL WALL FRAMING IN LIEU OF 25 GAUGE METAL WALL FRAMING WHERE WALL EXCEEDS THE HEIGHT LIMITS AS LISTED BELOW:

2 1/2" METAL STUDS: 10'-9"
3 5/8" METAL STUDS: 14'-0"
4" METAL STUDS: 15'-0"
6" METAL STUDS: 20'-0"

C. AT WALLS WITH TWO LAYERS OF 5/8" GYPSUM WALL BOARD ON EACH SIDE, PROVIDE **20 GAUGE** METAL WALL FRAMING IN LIEU OF 25 GAUGE METAL WALL FRAMING WHERE WALL EXCEEDS THE HEIGHT LIMITS AS LISTED BELOW:

2 1/2" METAL STUDS: 11'-9"
3 5/8" METAL STUDS: 14'-9"
4" METAL STUDS: 15'-9"
6" METAL STUDS: 20'-0"

D. AT WALLS WITH ONE LAYER OF 5/8" GYPSUM WALL BOARD ON EACH SIDE, PROVIDE **16 GAUGE** METAL WALL FRAMING IN LIEU OF 20 GAUGE METAL WALL FRAMING WHERE WALL EXCEEDS THE HEIGHT LIMITS AS LISTED BELOW:

2 1/2" METAL STUDS: 12'-0"
3 5/8" METAL STUDS: 15'-7"
4" METAL STUDS: 16'-10"
6" METAL STUDS: 22'-10"

E. AT WALLS WITH TWO LAYERS OF 5/8" GYPSUM WALL BOARD ON EACH SIDE, PROVIDE **16 GAUGE** METAL WALL FRAMING IN LIEU OF 20 GAUGE METAL WALL FRAMING WHERE WALL EXCEEDS THE HEIGHT LIMITS AS LISTED BELOW:

2 1/2" METAL STUDS: 14'-0"
3 5/8" METAL STUDS: 17'-8"
4" METAL STUDS: 18'-11"
6" METAL STUDS: 24'-11"

F. PROVIDE 20 GAUGE METAL WALL FRAMING AT THE FOLLOWING LOCATIONS:
1. STUDS TO WHICH CEMENTITIOUS BACKER UNITS, ARE INSTALLED FOR WET AREAS
2. STUDS TO WHICH ABUSE-RESISTANT AND HIGH-IMPACT GYPSUM WALL PANELS ARE ATTACHED

G. PROVIDE DOUBLE 16 GAUGE METAL STUDS AT EACH SIDE OF OPENINGS.

PARTITION NOTES

A. PARTITIONS AND FURRING ARE DIMENSIONED TO THE FACE OF STUD, UNLESS NOTED OTHERWISE

B. REFERENCE FINISH SCHEDULE FOR APPLIED FINISHES NOT SHOWN ON PARTITION DETAILS.

C. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED

D. FOLLOW THE INDICATED FIRE RATING REFERENCE FOR RATED PARTITION CONSTRUCTION. ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. FOLLOW THE MOST RESTRICTIVE REQUIREMENT. SUCH REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO:
1. USE 5/8" THICK GYPSUM BOARD THROUGHOUT
2. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING
3. USE STUDS OF GAGE OR SIZE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE OR SIZE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM
4. USE STUDS OF DEPTH INDICATED BY THE DRAWINGS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH

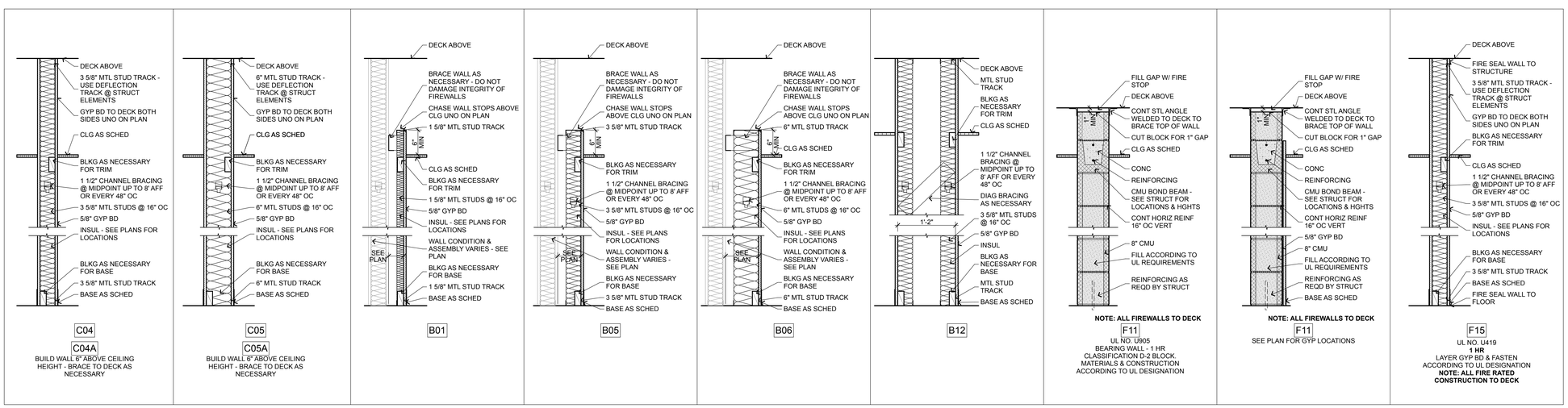
E. INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) AT THE FOLLOWING LOCATIONS:
1. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
2. WHERE THERE IS NO CERAMIC TILE SHOWN WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF DRINKING FOUNTAINS, LAVATORIES, URINALS AND TOILETS
3. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH SCHEDULE

F. INSTALL ONE LAYER OF 5/8" CEMENT BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS:
1. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS
2. WHERE CERAMIC TILE FINISHES ARE INDICATED. REFER TO FINISH SCHEDULE, PLANS AND/OR INTERIOR ELEVATIONS
3. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH SCHEDULE

G. INSULATE WALLS AS INDICATED ON PLAN W/ INSUL SYMBOL

H. ALL STUD FRAMED WALLS TO DECK UNO

I. ALL WALL FURR OUT FRAMING STOPS AT 6" ABOVE CEILING UNO



A1
A105
INTERIOR PARTITION SCHEDULE
SCALE: 1" = 1'-0"

0 6" 1' 2'

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STATE OF TEXAS

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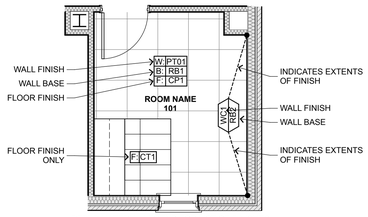
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A105
PARTITION TYPES



REFER MATERIAL LEGEND FOR LIST OF FINISHES
REFER INTERIOR ELEVATIONS FOR ADDITIONAL FINISHES

D3 / A201 FINISH PLAN SYMBOL LEGEND

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

0 2' 4' 8'

LEGEND

MARK	MANUFACTURER	STYLE	COLOR	SIZE/SPECS	REMARKS
CARPET					
CP01	TBD	TBD	TBD	18" X 36"	MAIN
CP02	TBD	TBD	TBD	18" X 36"	ACCENT
RESILIENT FLOORING					
RF01	TBD	TBD	TBD	9" X 48"	CORRIDOR, BREAK RM
CERAMIC TILE					
CT01	TBD	TBD	TBD	12" x 24"	FLOOR
CT02	TBD	TBD	TBD	12" x 24"	WALL
CT03	TBD	TBD	TBD	3" X 24"	BULLNOSE TRIM
NOTE: CERAMIC TILE GROUT SHALL BE CUSTOM BUILDING PRODUCTS **EPOXY GROUT**					
RUBBER BASE					
RB01	TBD	TBD	TBD	4"	MAIN
RB02	TBD	TBD	TBD	4"	MILLWORK
PAINT					
PT01	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE		MAIN
PLASTIC LAMINATE					
PL01	TBD	TBD	TBD		MILLWORK
COMPOSITE SURFACE					
CS01	TBD	TBD	TBD		COUNTER
SEALED CONCRETE					
SC01	SEALED CONCRETE				
ACOUSTIC CEILING TILE					
AC01	ARMSTRONG	LAY-IN	ULTIMA	24" X 48"	MAIN
TRANSITION STRIP					
T01	SCHLUTER	SCHIENE	SATIN NICKLE	6 MM	SAME HEIGHT TRANSITION
T02	SCHLUTER	RENO-U	SATIN NICKLE	5MM-10MM	CT TRANSITION
REMARKS					
1. CONTINUE FLOORING UNDER MILLWORK AT ALL KNEE SPACES					
2. MITER CORNERS @ ALL WATERFALL EDGES, TYP					
3. FOR CEILING PAINT COLORS, REFER TO REFLECTED CEILING PLAN					

NOTE: FINISHES TO BE DETERMINED BY OWNER

D4 / A201 FINISH LEGEND

SCALE: 1" = 1'-0"

0 6" 1' 2'

PLAN NORTH

A3 / A201 FLOOR FINISH PLAN

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

0 4' 8' 16'

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18963
STATE OF TEXAS

1" ACTUAL

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PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**

DATE **7/17/25**

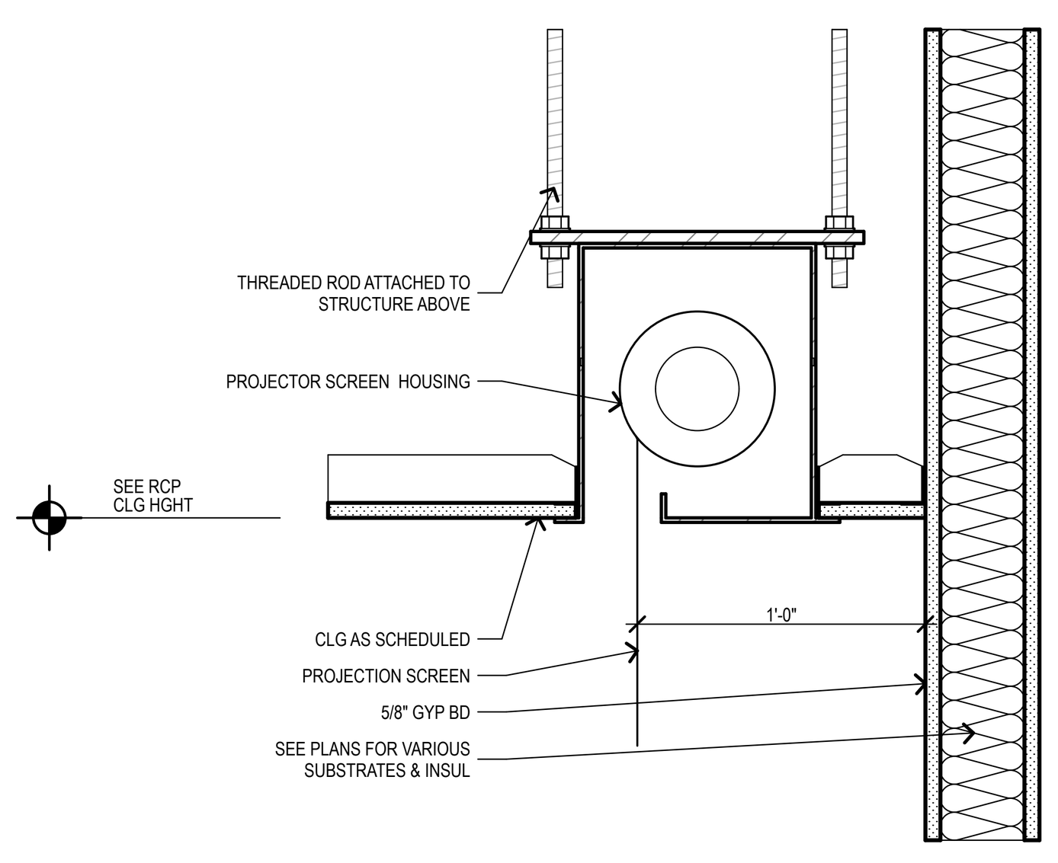
SHEET NUMBER

A201

FLOOR FINISH PLAN

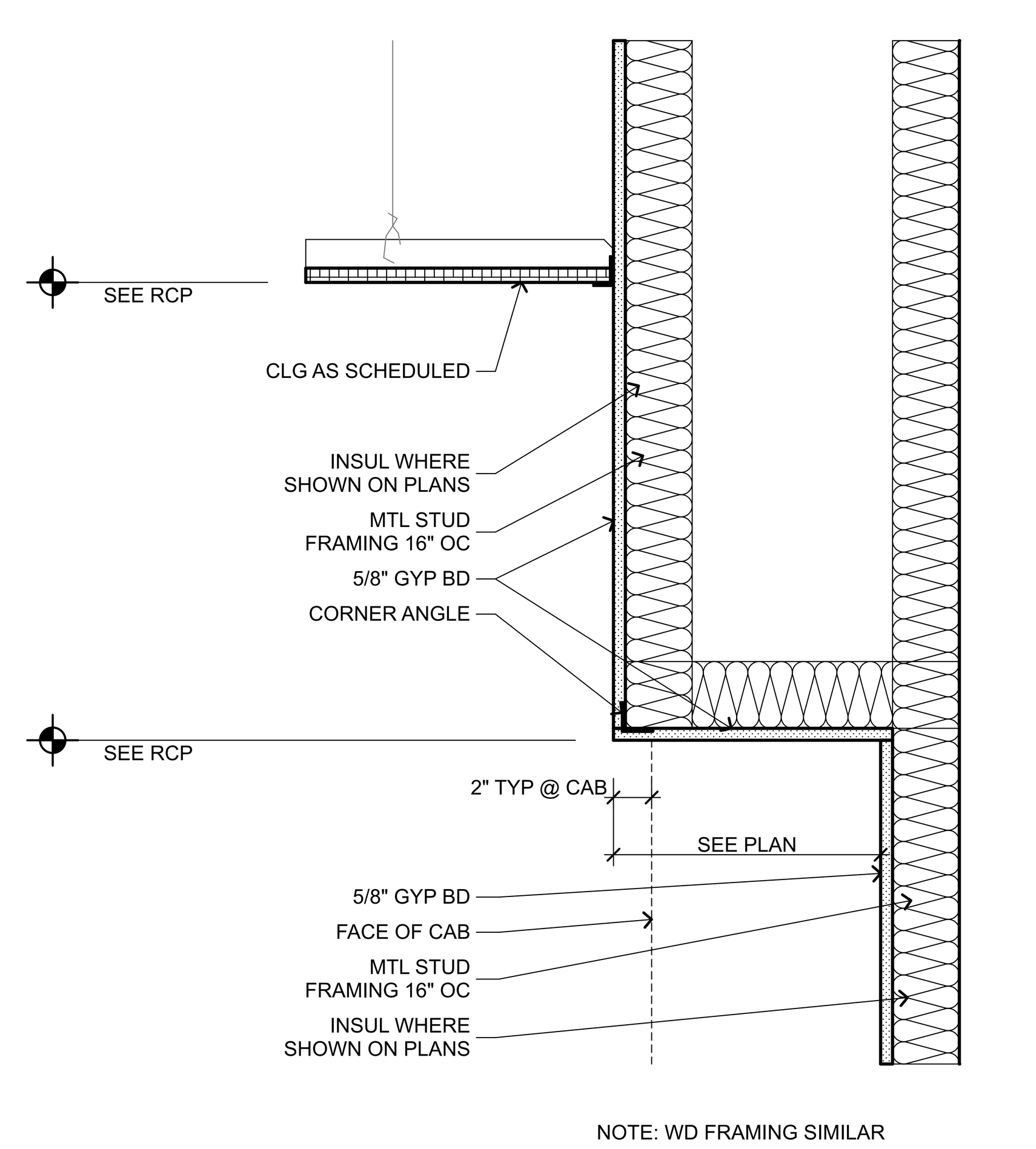
1 2 3 4 5 6

E D C B A



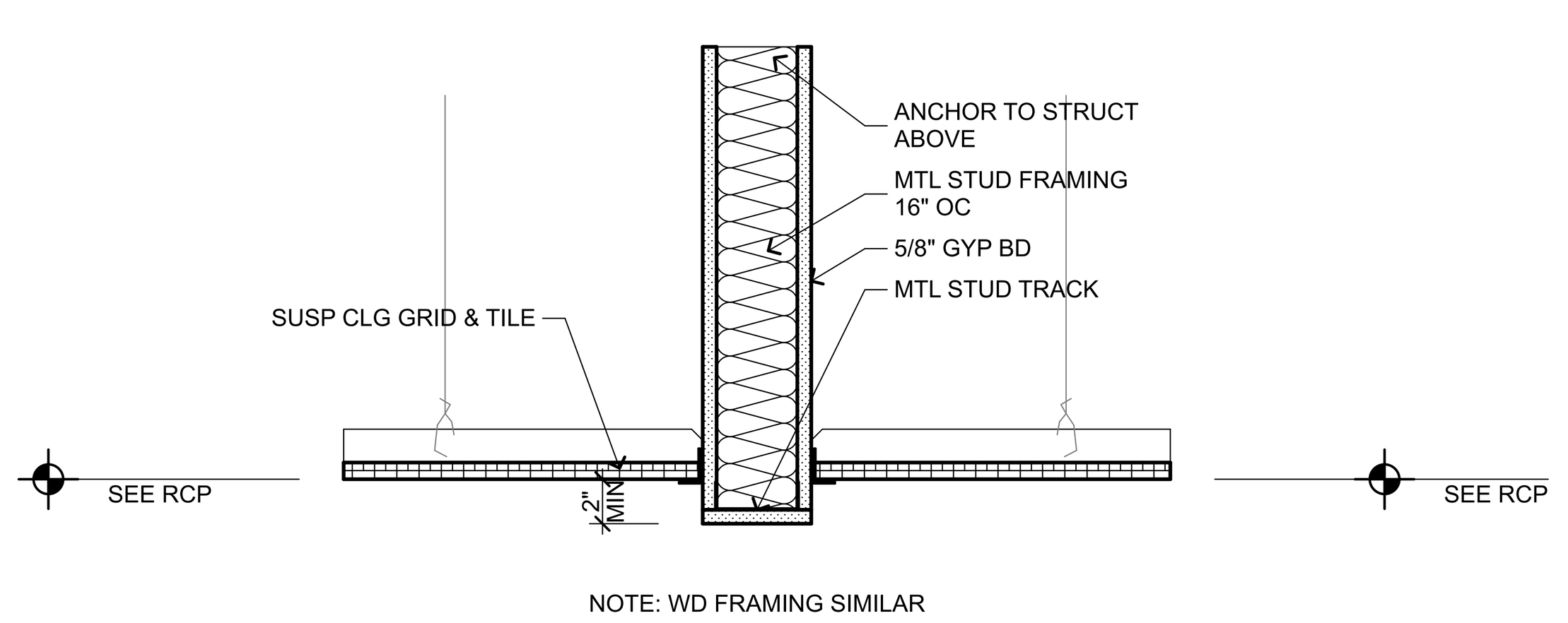
D1 A301 RECESSED PROJECTION SCREEN

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



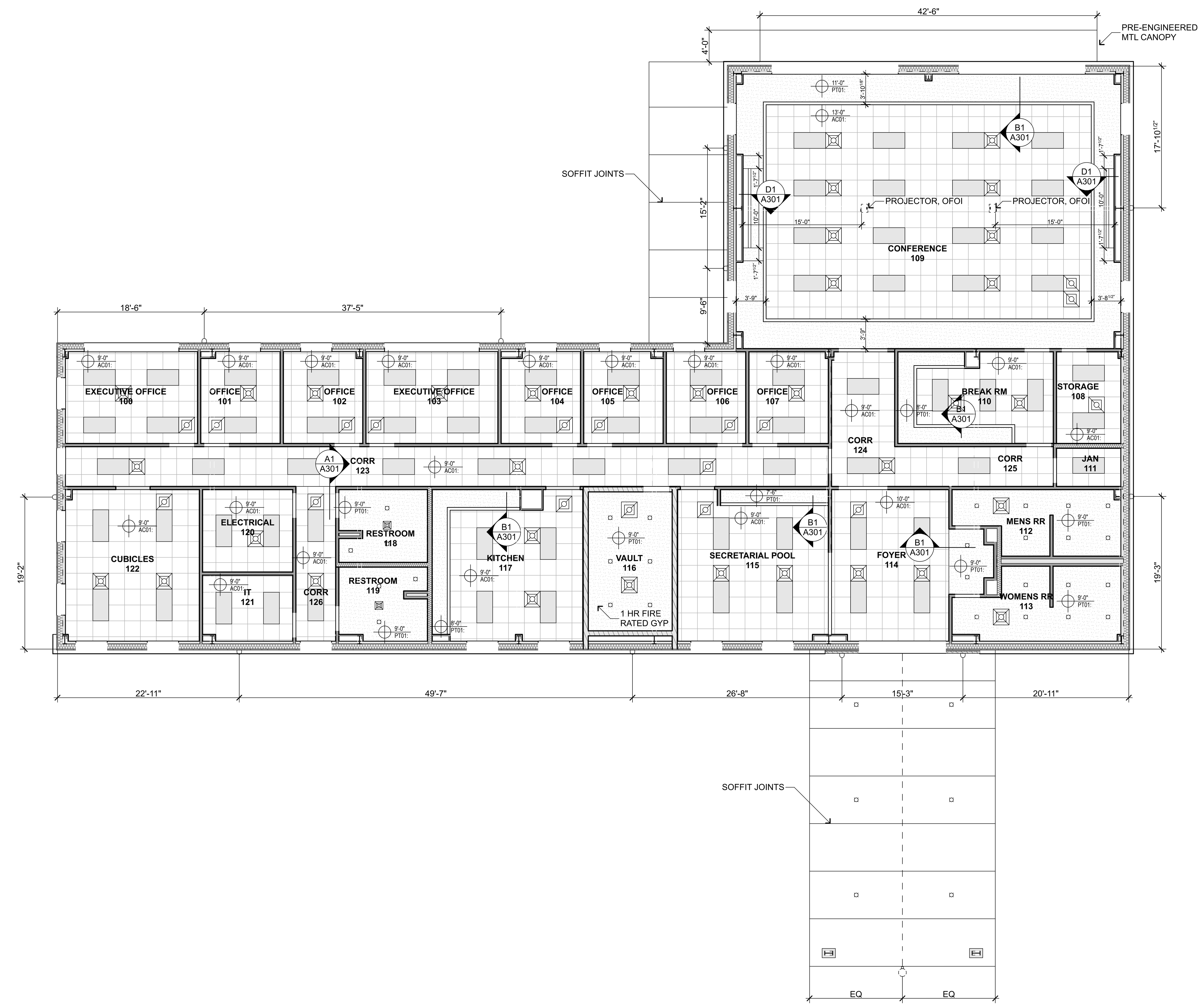
B1 A301 FURR DOWN

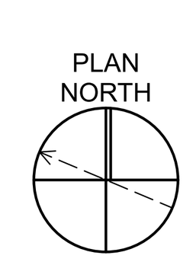
SCALE: 1 1/2"= 1'-0"



A1 A301 BULKHEAD @ ACT

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





A3 A301 REFLECTED CEILING PLAN

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

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REGISTERED ARCHITECT THOMAS M. 18263 STATE OF TEXAS

1" ACTUAL
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED AFFECTING ALL LABELED SCALES

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

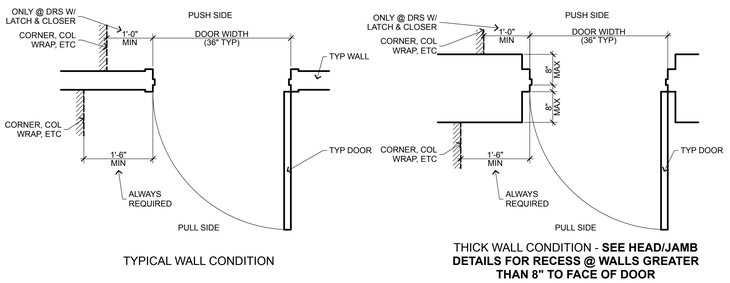
JOB NUMBER	DATE
21.095	7/17/25

SHEET NUMBER
A301
RCP

DOOR & FRAME SCHEDULE

ZONE	DESIGNATION	DOOR LEAF					DOOR FRAME						FIRE RATING	REMARKS
		DIMENSIONS	ELEVATION	MATERIAL	FINISH	GLAZING	DIMENSIONS	FINISH	HEAD/JAMB	SILL	MATERIAL	GLAZING		
100		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
101		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
102		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
103		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
104		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
105		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
106		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
107		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
108	.1	3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		Non-Rated	
110		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		Non-Rated	
110	.2	3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
111		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
112		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
113		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
114	.2	6'-0"×7'-0"	F	WD	PL01		6'-4"×7'-2"	PT01:	A5/A402		HM		Non-Rated	1
116		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-4"	PT01:	B5/A402		HM		20 minutes	
118		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
119		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
120		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
121		3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	
123	.2	3'-0"×7'-0"	F	WD	PL01		3'-4"×7'-2"	PT01:	A5/A402		HM		Non-Rated	1
124		6'-0"×7'-0"	F	WD	PL01		6'-4"×7'-2"	PT01:	A5/A402		HM		20 minutes	

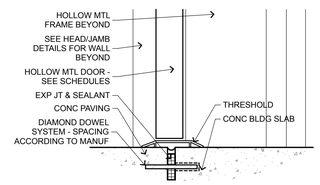
DOOR SCHEDULE REMARKS
1. ACCESS CONTROL



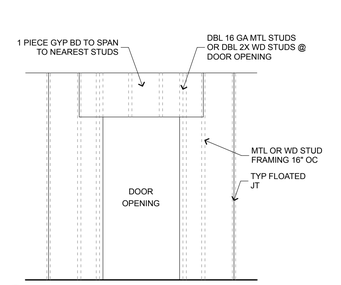
TYPICAL WALL CONDITION

THICK WALL CONDITION - **SEE HEAD/JAMB DETAILS FOR RECESS @ WALLS GREATER THAN 8" TO FACE OF DOOR**

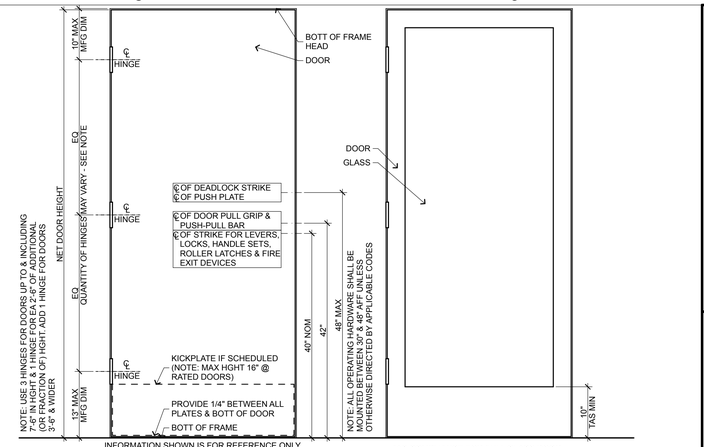
C1 A401 DOOR CLEARANCES
SCALE: 3/4" = 1'-0"



C3 A401 HM SILL @ EXT
SCALE: 3" = 1'-0"

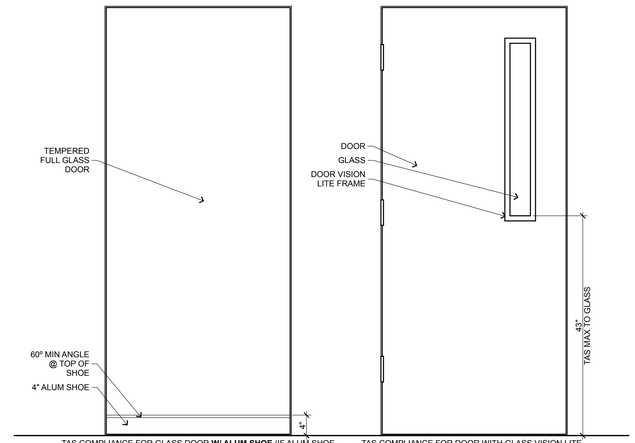


C4 A401 TYP DOOR HEAD
SCALE: 3/8" = 1'-0"



INFORMATION SHOWN IS FOR REFERENCE ONLY. REVISIONS AS PER MFG & LOCAL CODE VARIATIONS MUST BE SUBMITTED FOR REVIEW & FINAL APPROVAL

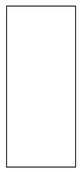
TAS COMPLIANCE FOR FULL GLASS DOOR - REFERENCE TAS 404.2.10



TAS COMPLIANCE FOR GLASS DOOR **W/ ALUM SHOE** (IF ALUM SHOE IS USED, IT MUST COMPLY) - REFERENCE TAS 404.2.11 EXCEPTION 2

TAS COMPLIANCE FOR DOOR WITH GLASS VISION LITE - REFERENCE TAS 404.2.11
SEE DOOR SCHEDULE FOR LITE SIZES

C5 A401 HARDWARE CLEARANCES
SCALE: 1" = 1'-0"

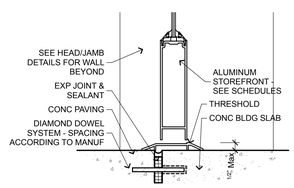


B4 A401 DOOR ELEVATIONS
SCALE: 3/8" = 1'-0"

STOREFRONT SCHEDULE				
	#	109	114	123
DOOR	DESIGNATION		.1	.1
	DIM	3'-0"×7'-0"	6'-0"×7'-0"	3'-0"×7'-0"
	GLAZING	MG-1	MG-1	MG-1
FRAME	DIM	4'-0"×9'-6"	11'-0"×9'-6"	3'-4"×8'-6"
	HEAD/JAMB	D4/A403	D1/A403	D4/A403
	SILL	A3/A401	A3/A401	A3/A401
	GLAZING	IG-1	IG-1	IG-1
NOTES				1
OPENING VIEW		2'-6" 7'-0" 2'-10" 10" 3'-0"	2'-6" 7'-0" 2'-10" 2'-6" 6'-0" 2'-6"	1'-6" 7'-0" 3'-0"

STOREFRONT DOOR NOTES:
1. ACCESS CONTROL

A1 A401 ALUM STOREFRONT DOOR SCHEDULE



A3 A401 SF DOOR SILL @ EXT
SCALE: 3" = 1'-0"

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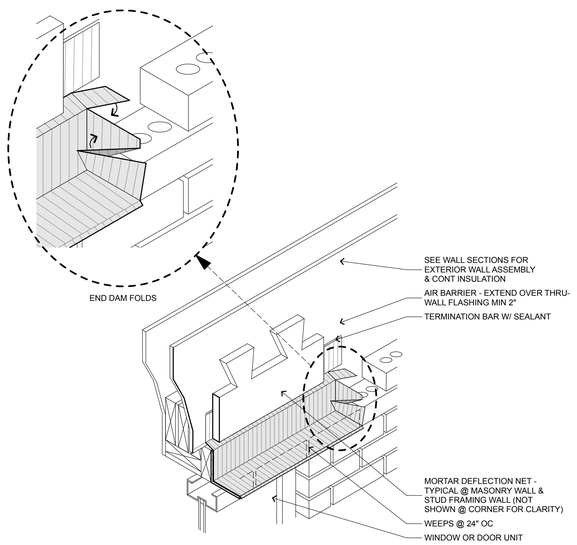
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

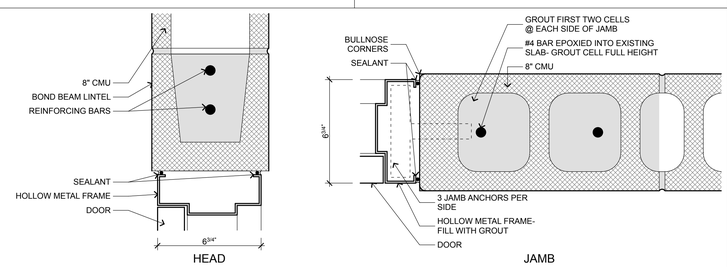
SHEET NUMBER
A401
DOOR SCHEDULES



NOTE: SILL CONDITION SIMILAR

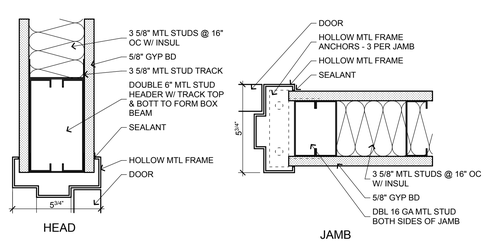
A3 / A402 HEAD/SILL FLASHING

NOT TO SCALE



B5 / A402 HM HEAD/JAMB @ 8" CMU

SCALE: 3" = 1'-0"



A5 / A402 HM HEAD/JAMB @ 3 5/8" MTL STUD

SCALE: 3" = 1'-0"

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18953
STATE OF TEXAS

1" EXACTLY

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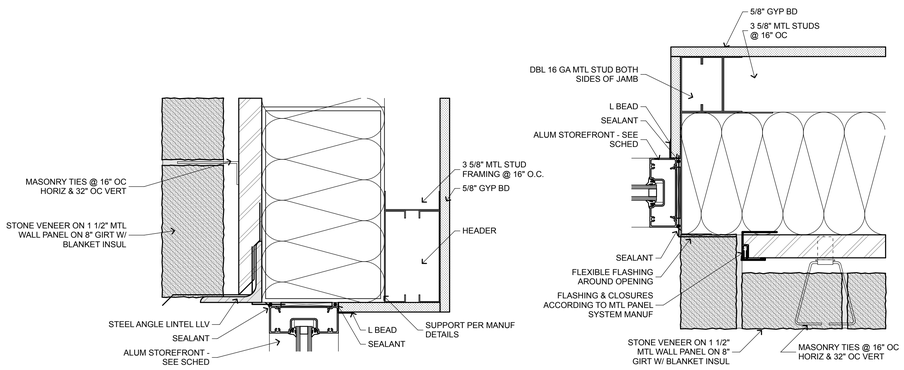
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A402
HM DOOR DETAILS

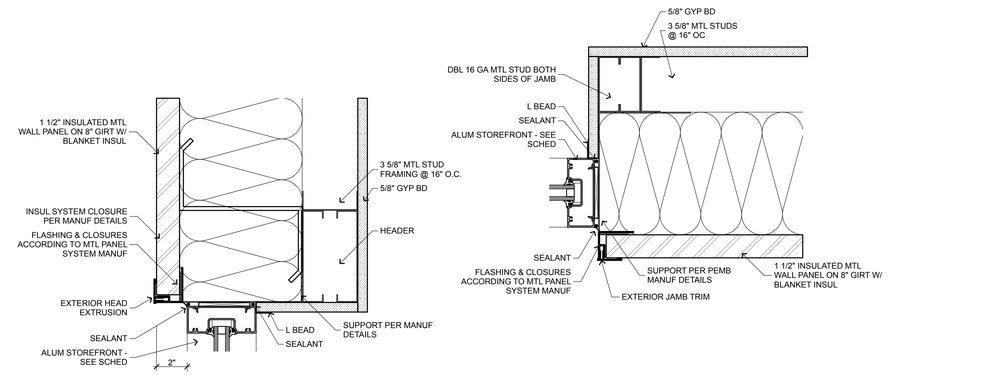
NOTE: DETAILS FOR REFERENCE. USE STANDARD PEMB CONSTRUCTION METHODS & INSUL MTL PANEL DETAILS.



D1 / A403 SF HEAD/JAMB @ 8" PEMB / THIN STONE

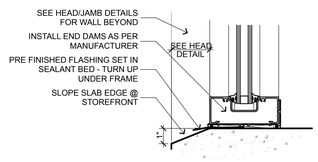
SCALE: 3" = 1'-0"

NOTE: DETAILS FOR REFERENCE. USE STANDARD PEMB CONSTRUCTION METHODS & INSUL MTL PANEL DETAILS.



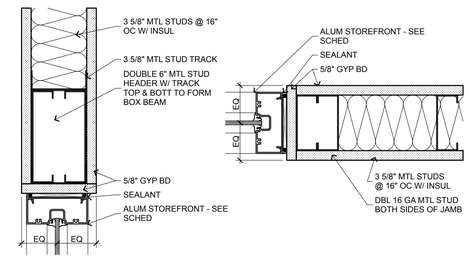
D4 / A403 SF HEAD/JAMB @ 8" PEMB / MTL WALL PANEL

SCALE: 3" = 1'-0"



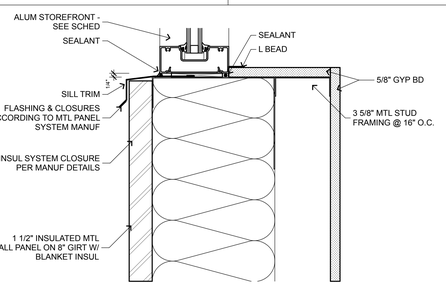
C4 / A403 SF SILL @ EXT

SCALE: 3" = 1'-0"



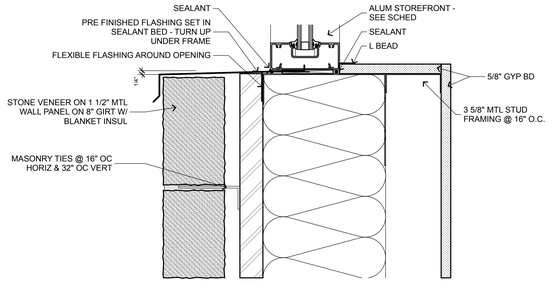
C5 / A403 SF HEAD/JAMB @ 3 5/8" MTL STUD INTERIOR

SCALE: 3" = 1'-0"



B1 / A403 SF SILL @ 8" PEMB / MTL WALL PANEL

SCALE: 3" = 1'-0"



A1 / A403 SF SILL @ 8" PEMB / THIN STONE

SCALE: 3" = 1'-0"

WINDOW SCHEDULE

WINDOW TAG	A	B	C	D	E	F
GLAZING	IG-1	IG-1	IG-1	IG-1	MG-2	IG-1
HEAD/JAMB	D4/A403	D4/A403	D4/A403	D4/A403	A2/A702	D4/A403
SILL	A1/A403	C4/A403	C4/A403	C4/A403	A2/A702	B1/A403
NOTES	1	1	1	1		1
OPENING VIEW	5'-0" / 4'-0"	2'-6" / 3'-6" / 3'-6" / 4'-0"	2'-5" / 3'-6" / 3'-7" / 4'-0" 3'-11" 3'-11" 4'-0"	1'-6" / 3'-6" / 3'-6" / EQ EQ EQ / 12'-0"	3'-4" / SLIDING / 5'-2"	1'-6" / 3'-6" / 4'-0"
NOMINAL SIZE	4'-0"×5'-0"	4'-0"×9'-6"	16'-0"×9'-6"	12'-0"×8'-6"	5'-2"×3'-4"	4'-0"×5'-0"
SILL HEIGHT	3'-6"	0"	0"	0"	3'-0"	3'-6"

NOTES:
1. HEAD/JAMB/SILL DETAILS PER PEMB MANUF

A3 / A403 WINDOW SCHEDULE

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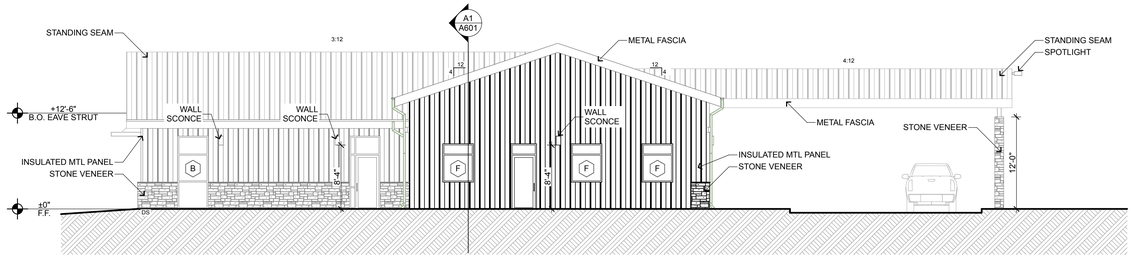
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

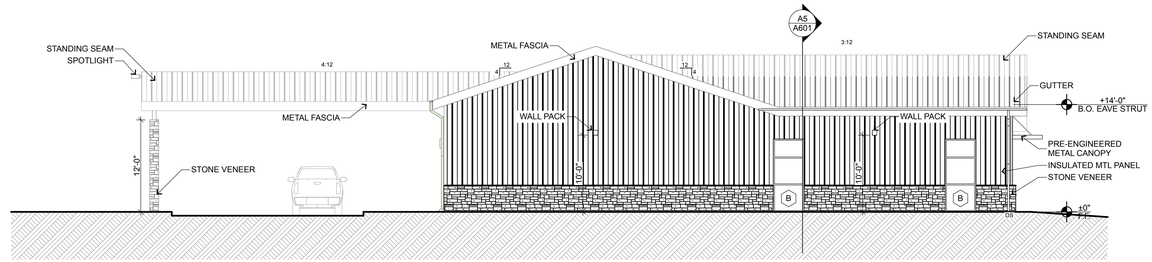
JOB NUMBER **21.095** DATE **7/17/25**

SHEET NUMBER
A403
WINDOW SCHEDULES



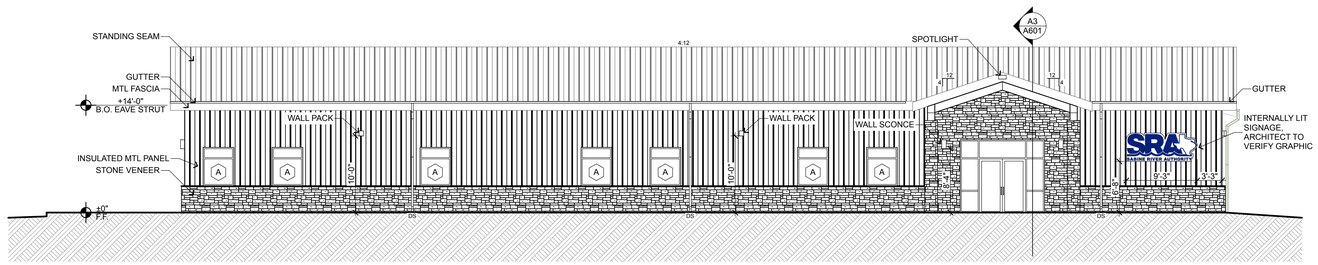
D3 A501 WEST ELEVATION

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



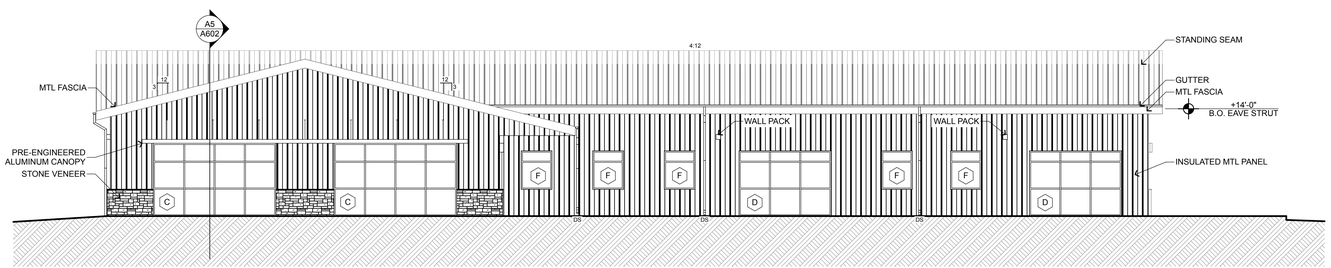
C3 A501 EAST ELEVATION

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



B3 A501 SOUTH ELEVATION

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



A3 A501 NORTH ELEVATION

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

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STATE OF TEXAS

CAUTION

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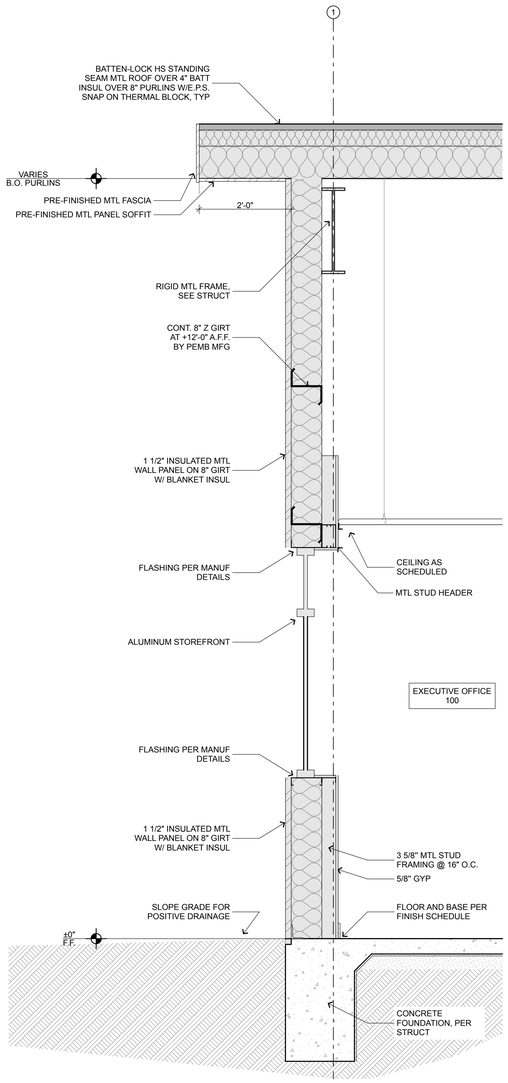
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**

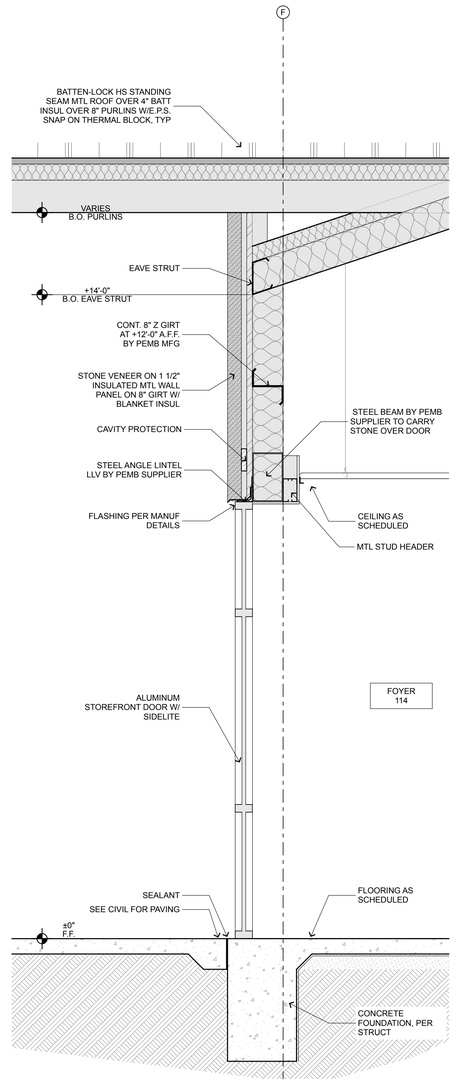
DATE **7/17/25**

SHEET NUMBER
A501
EXTERIOR ELEVATIONS



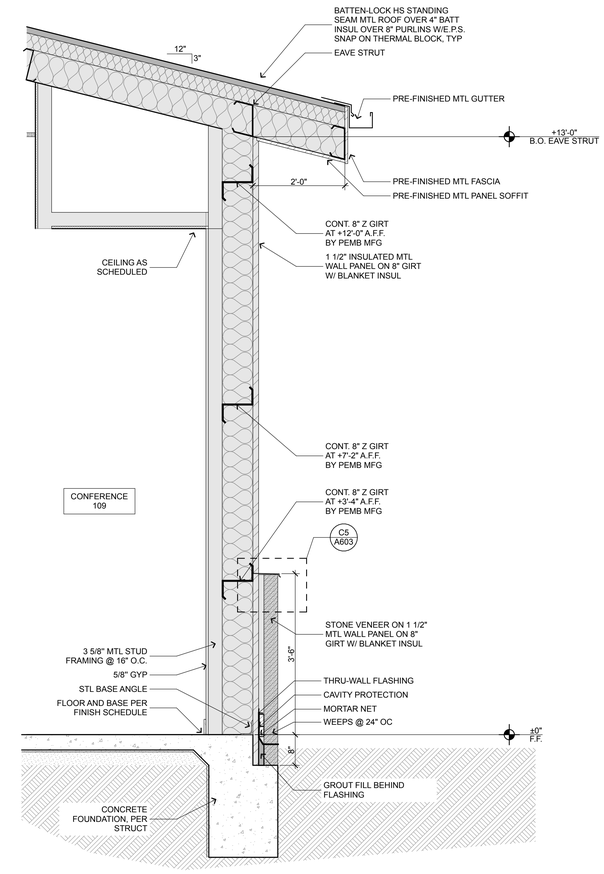
A1 A601 WALL SECTION @ EXECUTIVE OFFICE 100

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



A3 A601 WALL SECTION @ FOYER 114

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



A5 A601 SECTION @ CONFERENCE 109

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

fitzpatrick ARCHITECTS
110 N COLLEGE AVE
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903.592.0728
info@fitzpatrickarchitects.com

MHS PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT THOMAS M. FITZPATRICK 18953 STATE OF TEXAS

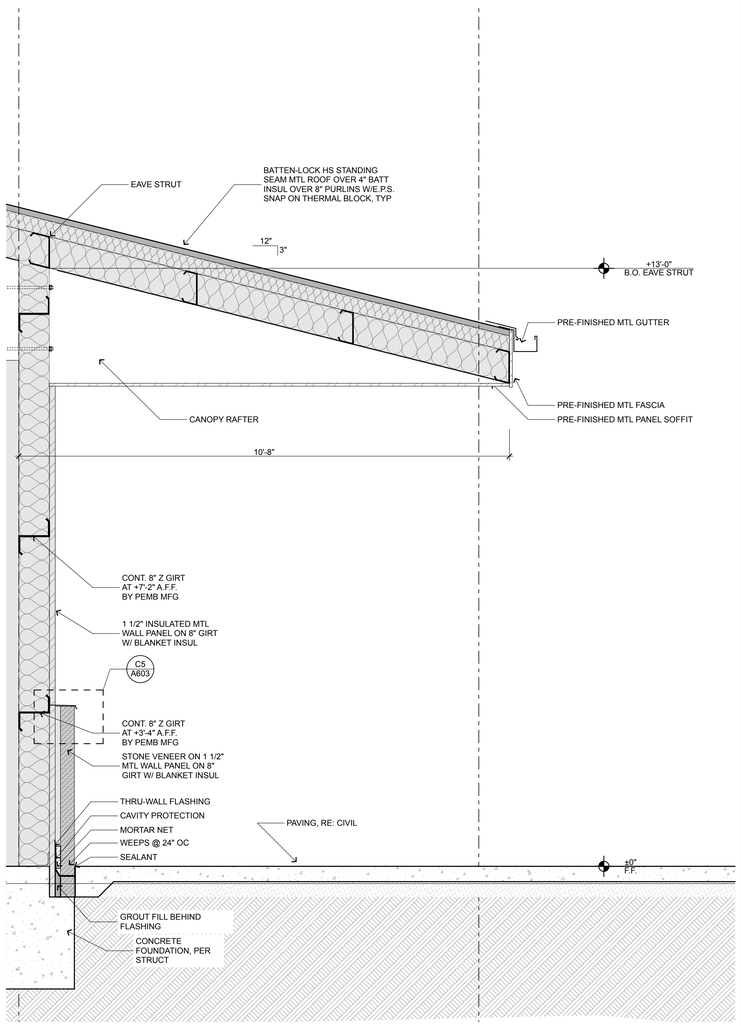
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

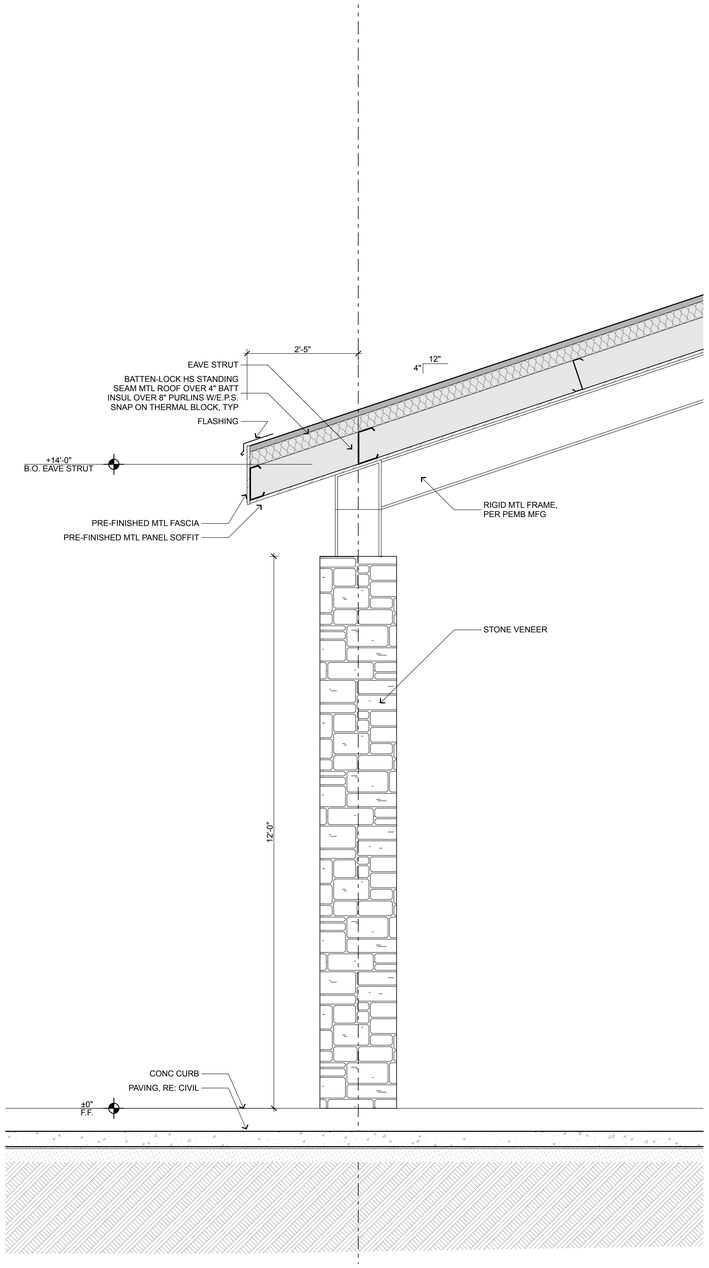
JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A601
WALL SECTIONS



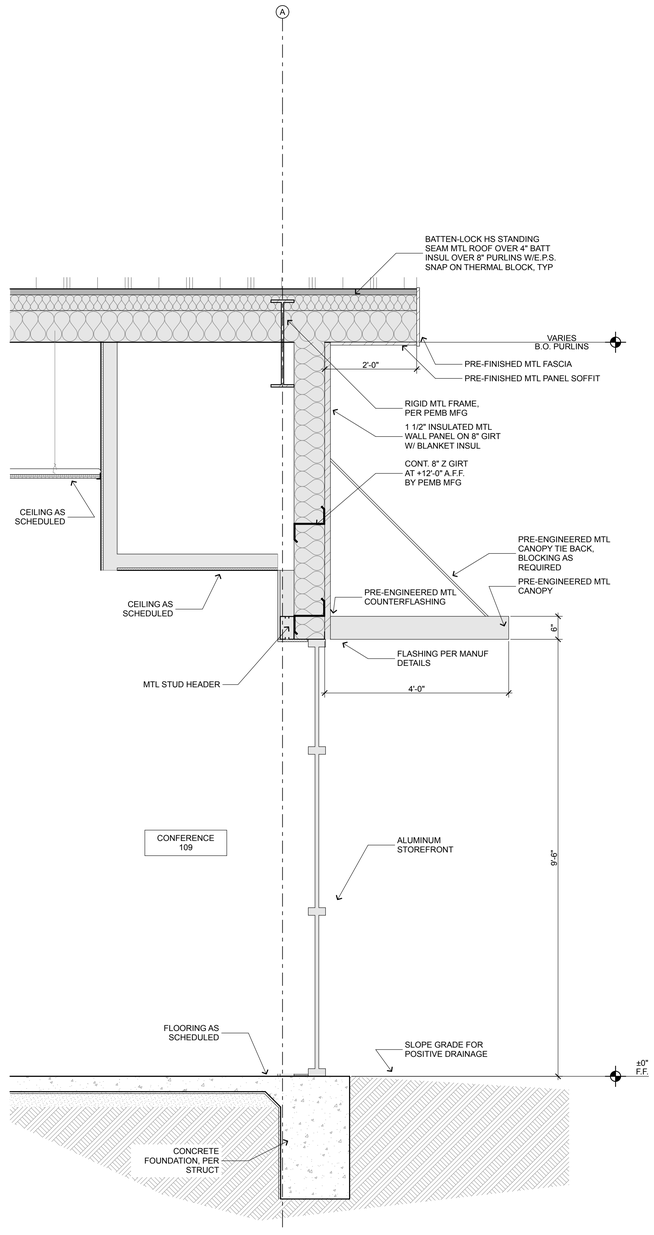
A1 / A602 WALL SECTION @ PATIO

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



A3 / A602 WALL SECTION @ DROP-OFF

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



A5 / A602 WALL SECTION @ CONFERENCE 109

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

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MHS PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT THOMAS JOSHUA STEED 18963 STATE OF TEXAS

1" ACTUAL

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
A602
WALL SECTIONS

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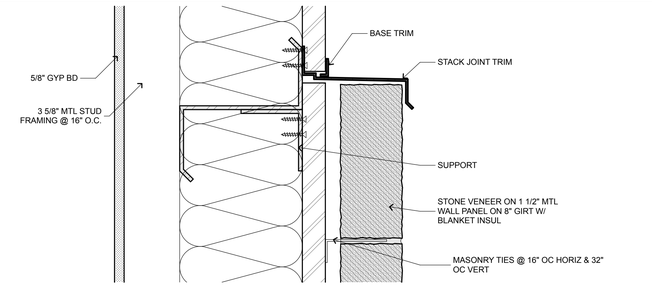
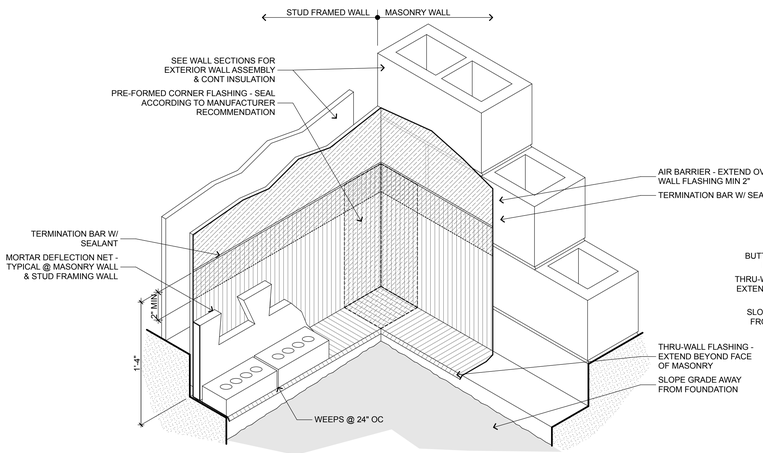
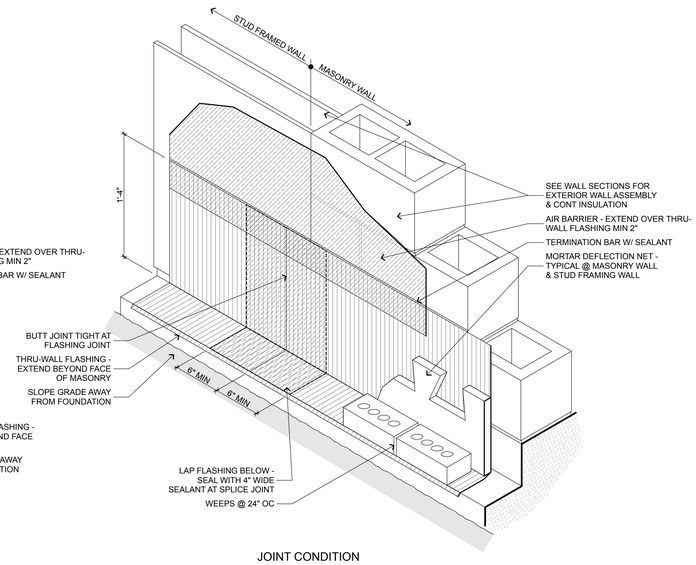
MHS PENDLETON OFFICE
HEMPHILL, TX



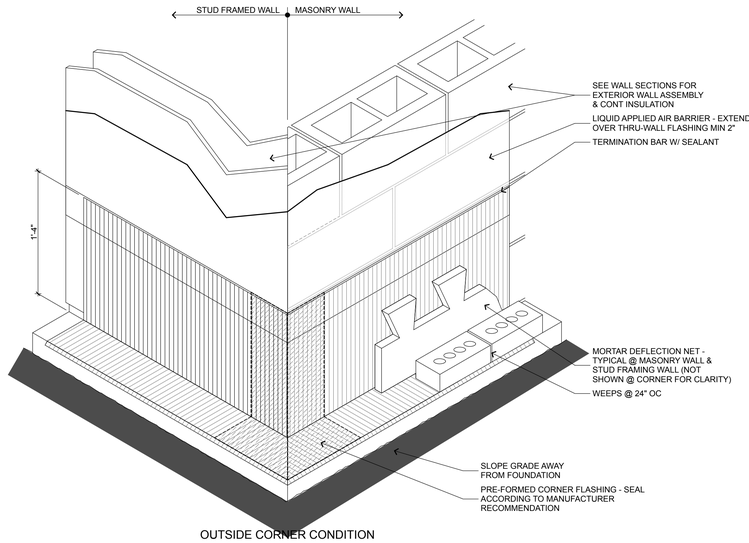
C5 / A603 FLASHING @ THIN STONE
SCALE: 3" = 1'-0"



INSIDE CORNER CONDITION

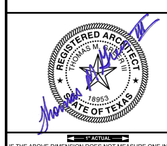


JOINT CONDITION



OUTSIDE CORNER CONDITION

A1 / A603 TYPICAL THRU WALL FLASHING
NOT TO SCALE



IF THIS LINE DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

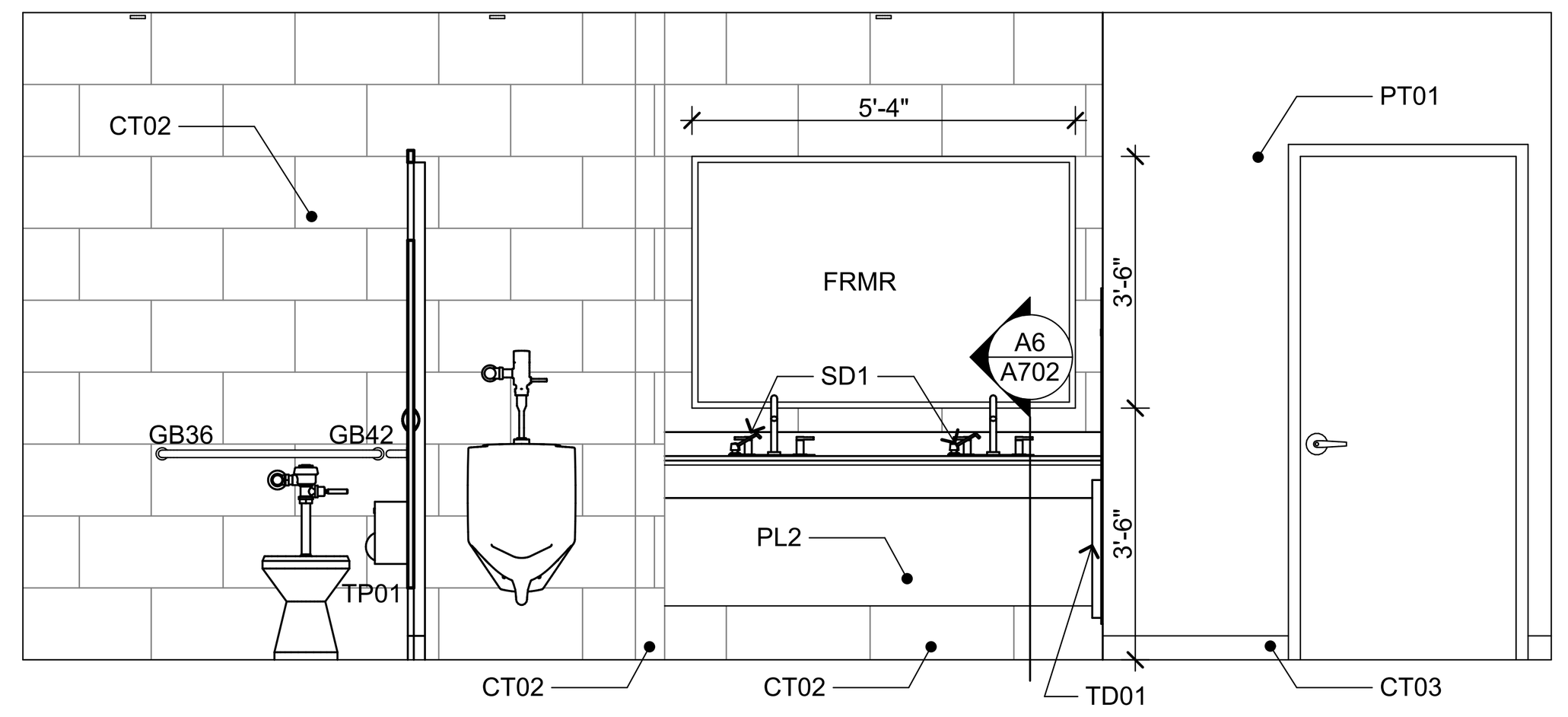
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

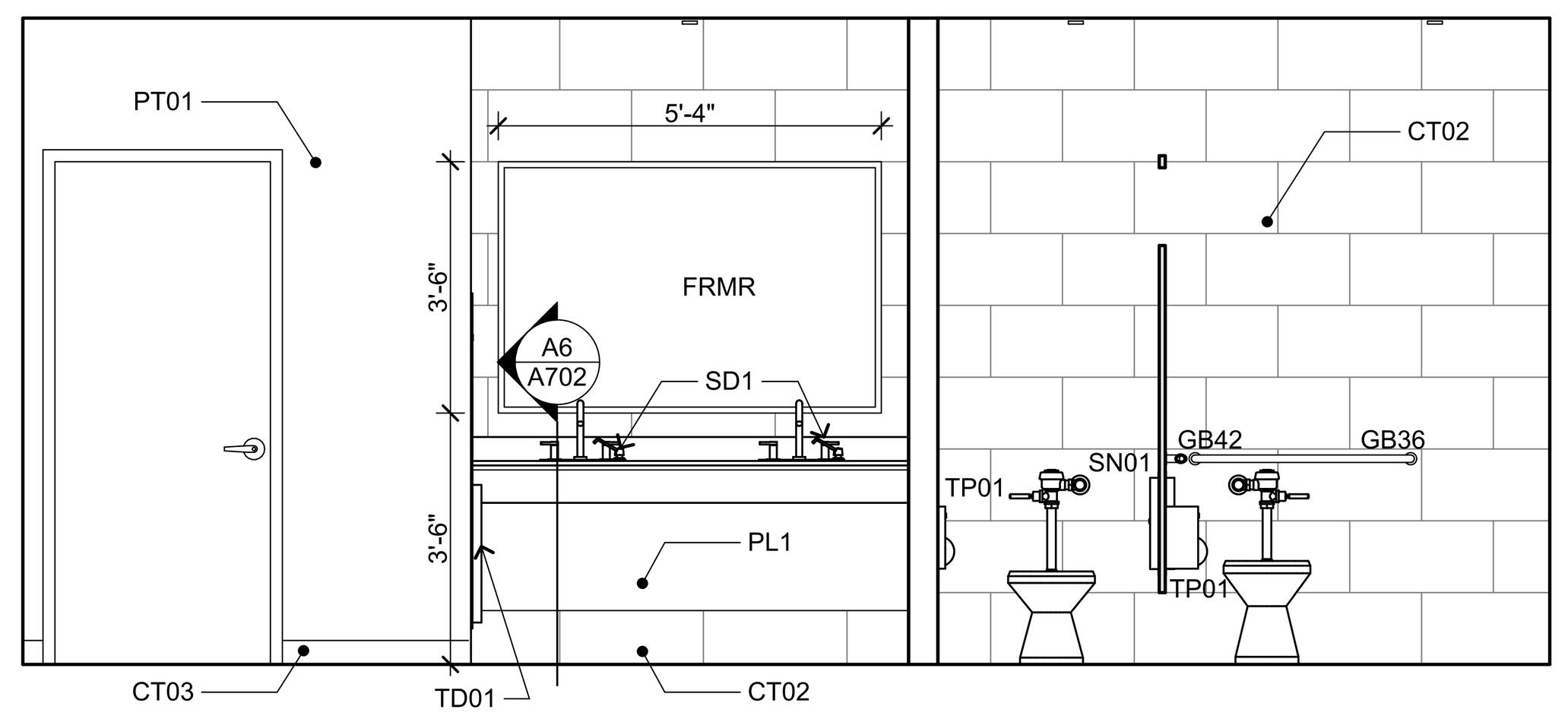
JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A603
BUILDING DETAILS

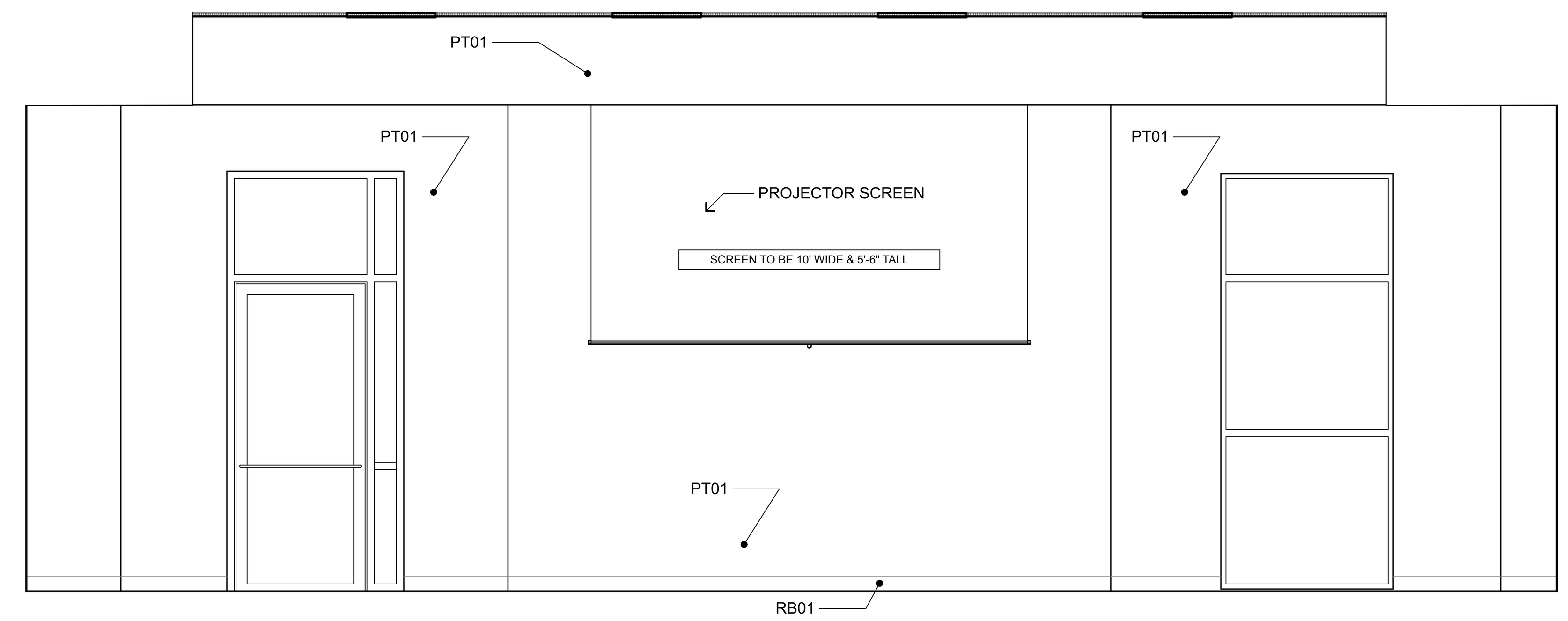
1 2 3 4 5 6



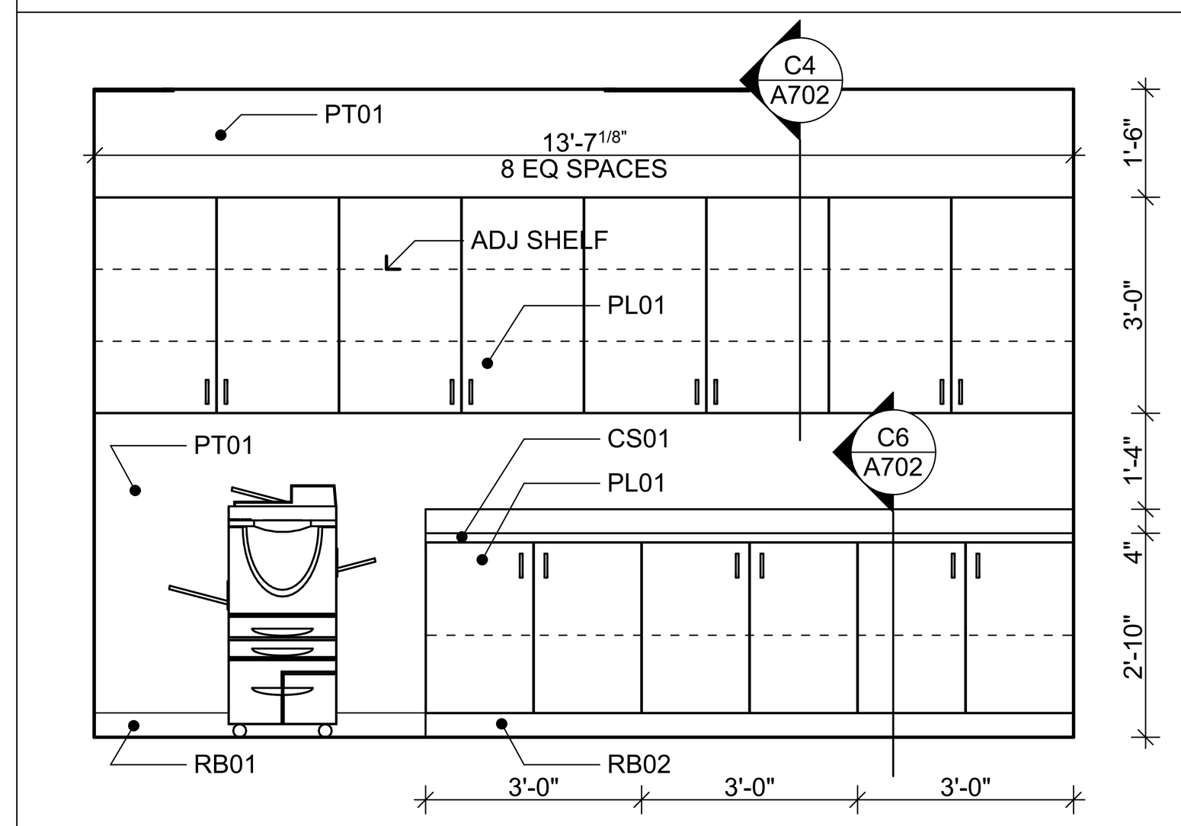
E2 A701 MENS RR 112 SW
SCALE: 3/8" = 1'-0"



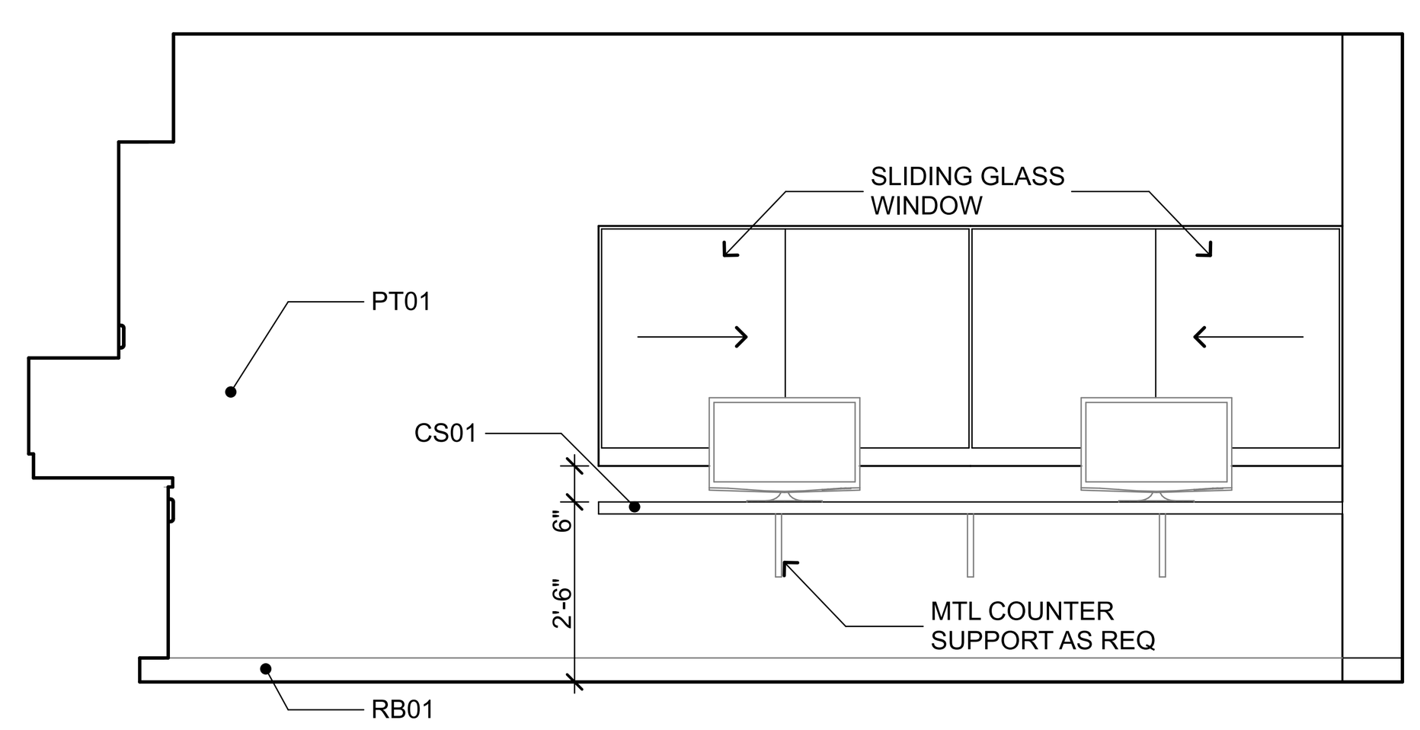
D2 A701 WOMENS RR 113 NE
SCALE: 3/8" = 1'-0"



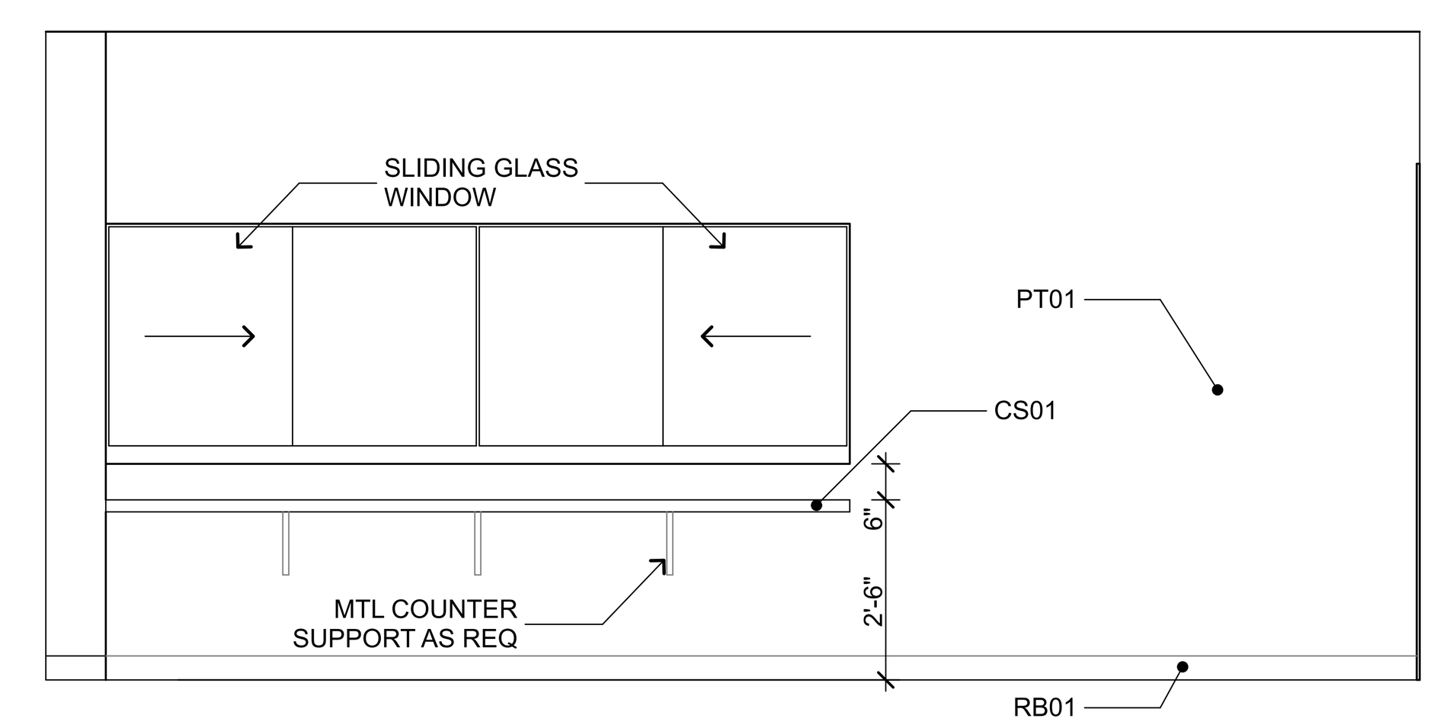
D4 A701 CONFERENCE NW
SCALE: 3/8" = 1'-0"



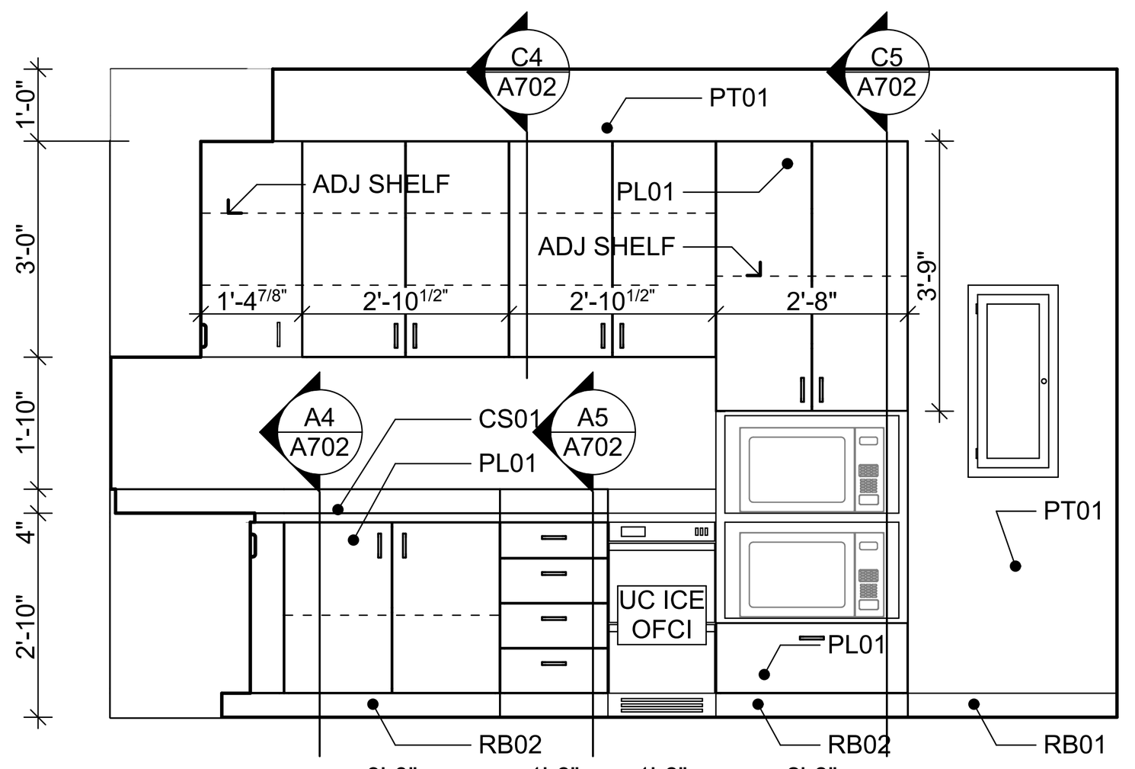
C1 A701 SECRETARIAL POOL 115 NE
SCALE: 3/8" = 1'-0"



C2 A701 SECRETARIAL POOL 115 SE
SCALE: 3/8" = 1'-0"

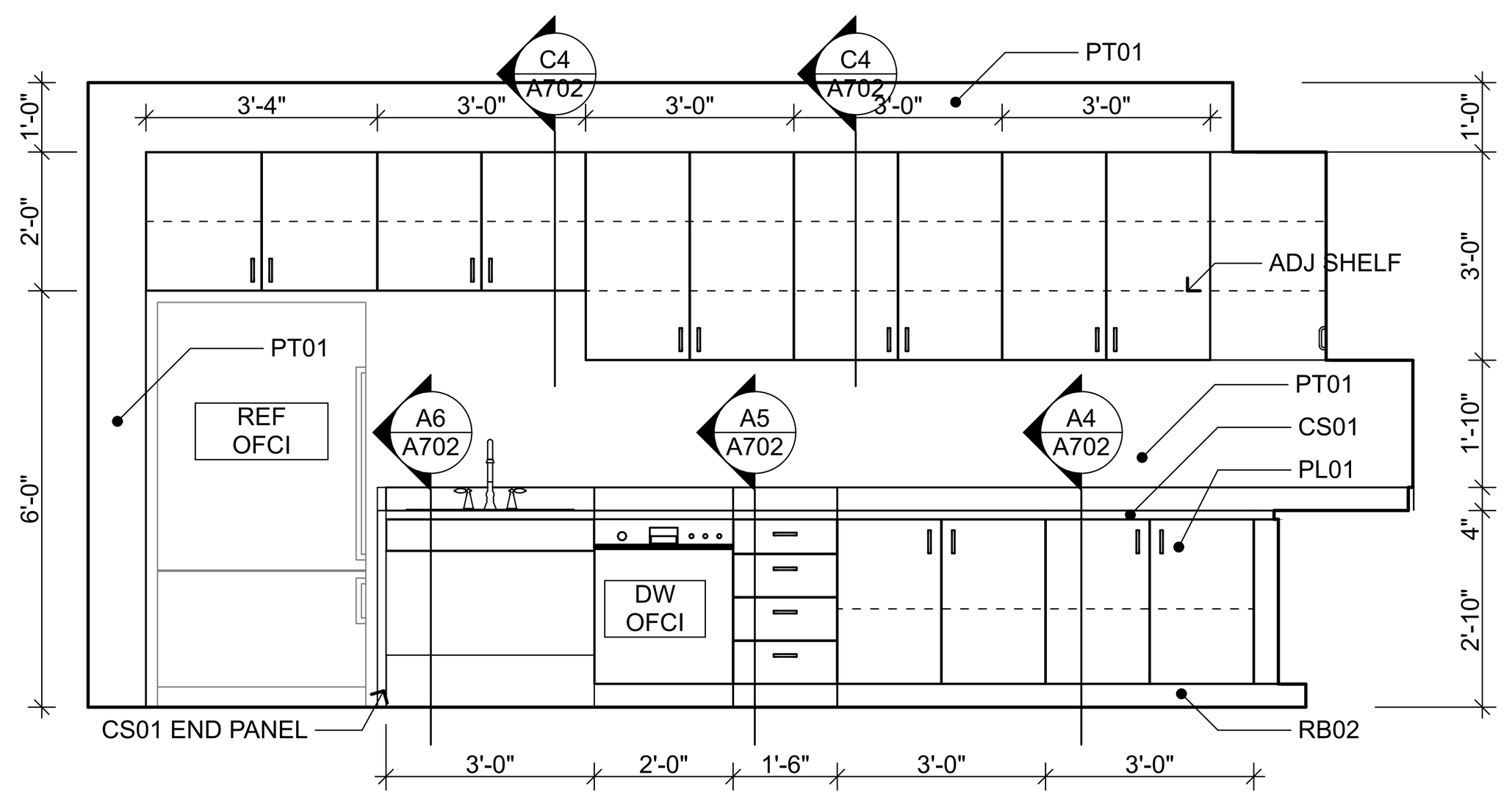


C4 A701 FOYER 114 NW
SCALE: 3/8" = 1'-0"

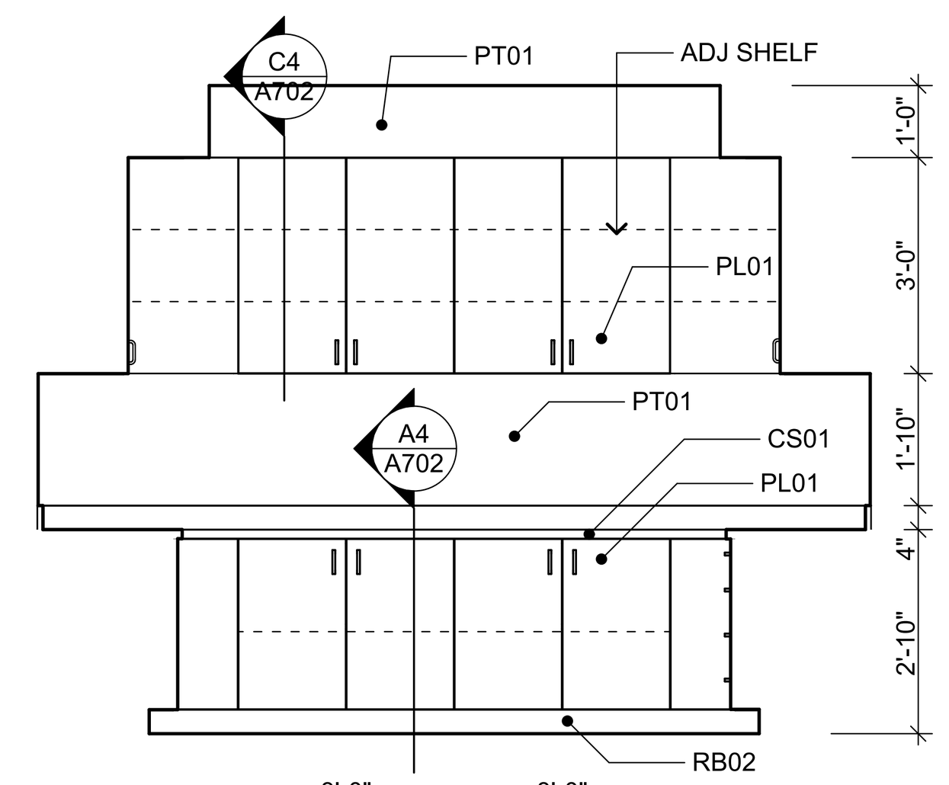


BASIS OF DESIGN:
UC ICE OFCI: HOSHIZAKI C-101BAH-AD

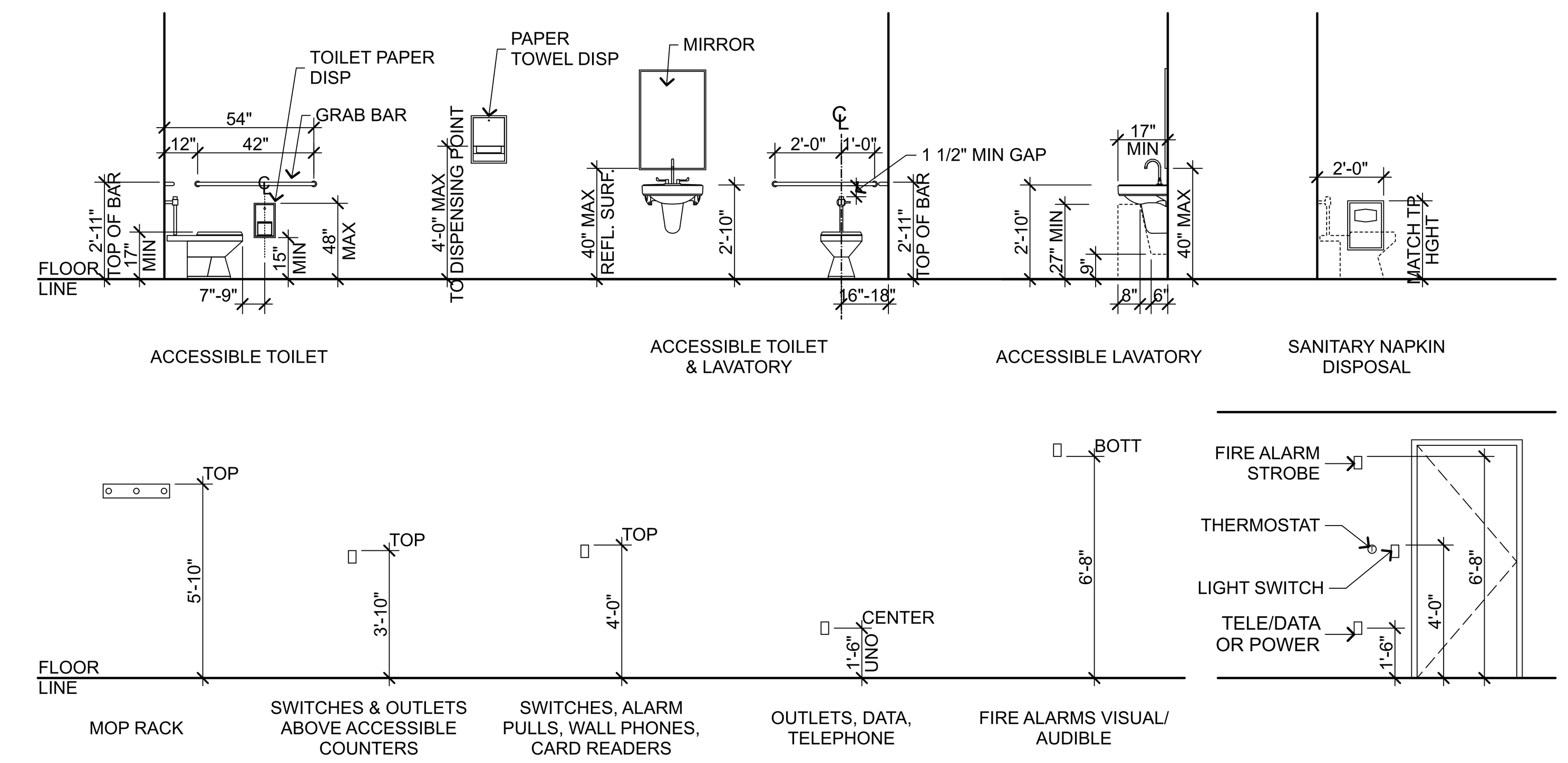
B1 A701 KITCHEN 117 NE
SCALE: 3/8" = 1'-0"

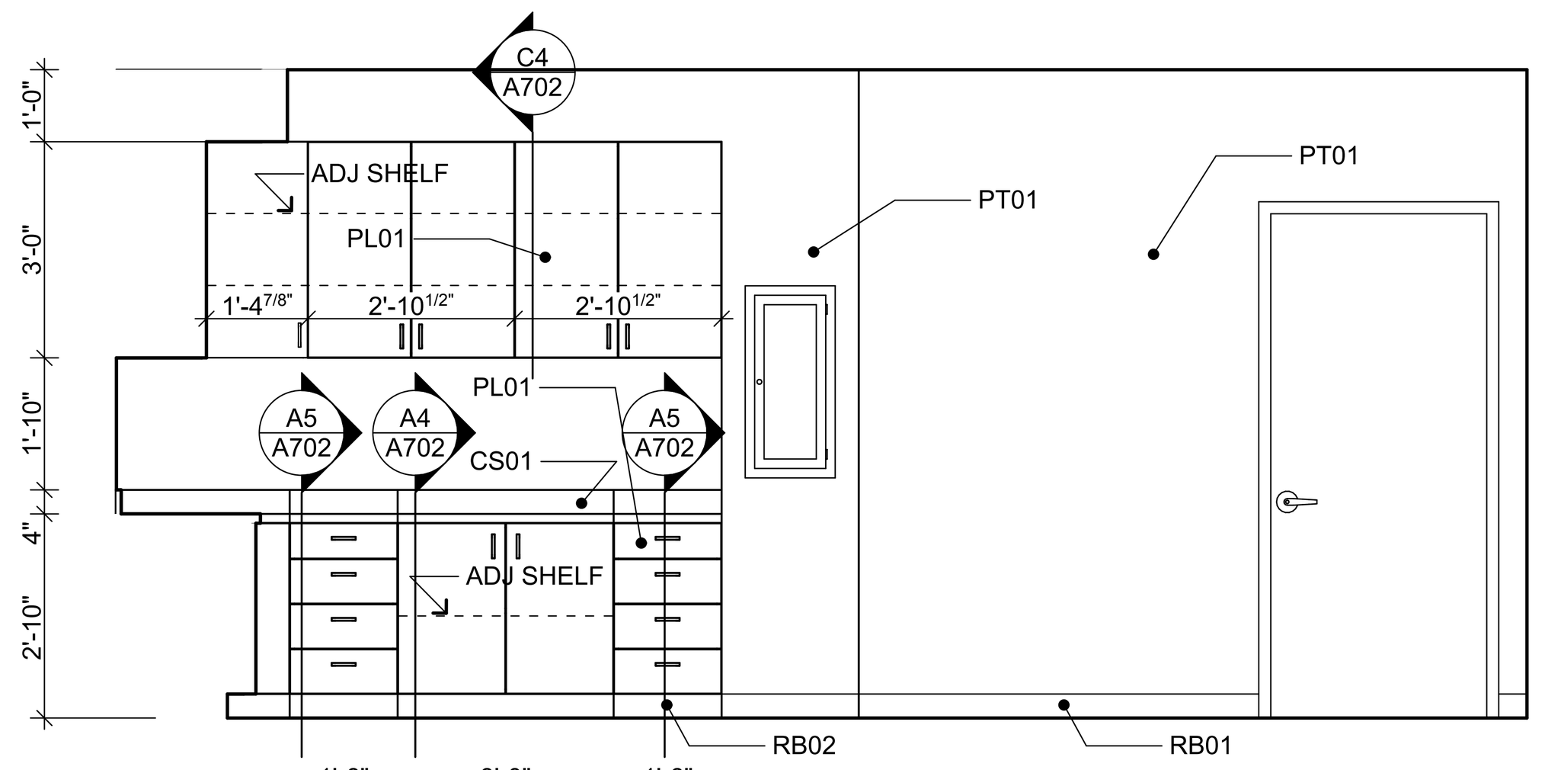


B2 A701 KITCHEN 117 NW
SCALE: 3/8" = 1'-0"

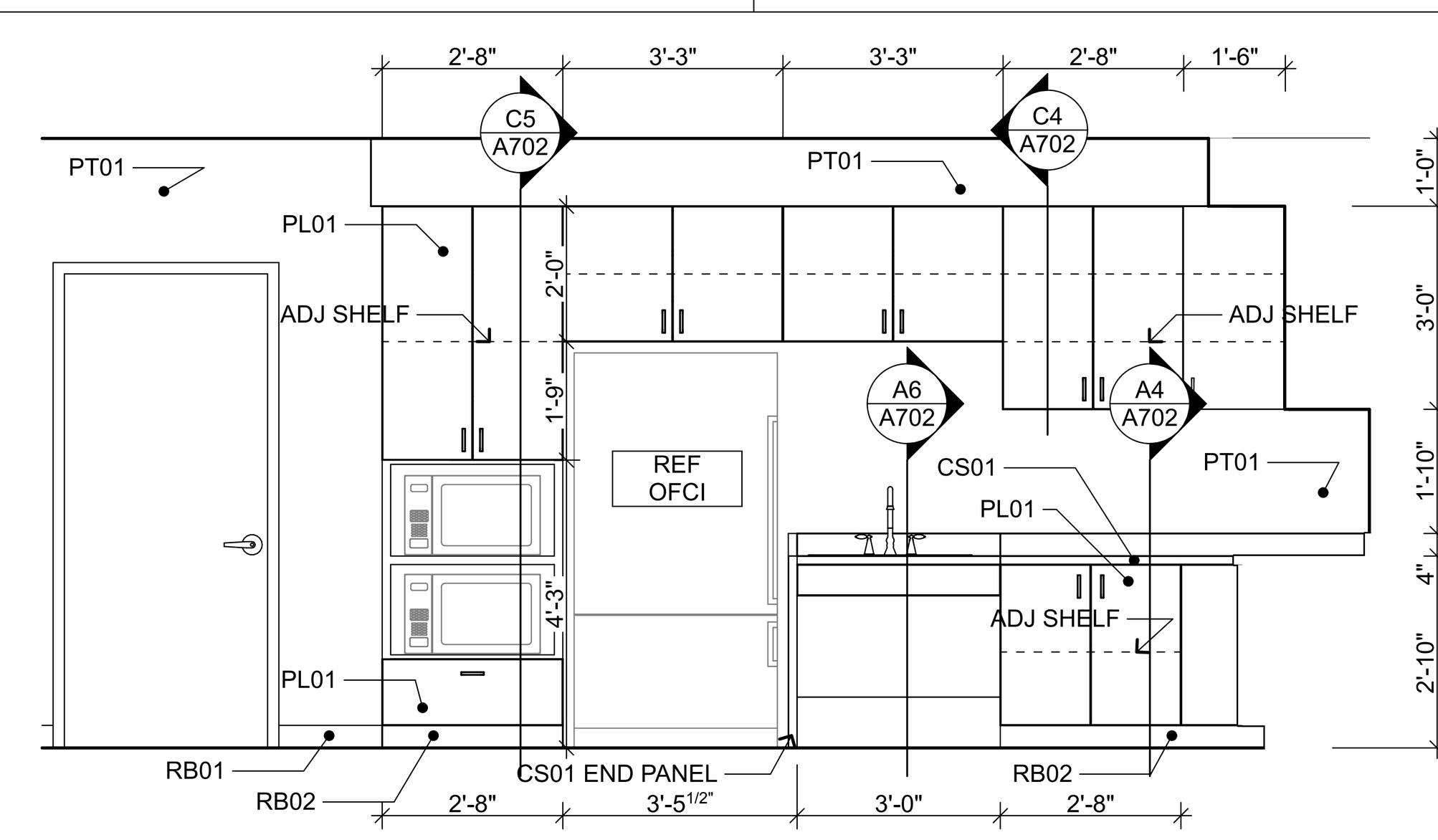


B4 A701 BREAK RM 110 SE
SCALE: 3/8" = 1'-0"





A1 A701 BREAK RM 110 NE
SCALE: 3/8" = 1'-0"



A3 A701 BREAK RM 110 SW
SCALE: 3/8" = 1'-0"

A5 A701 TAS ACCESSIBLE MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

A B C D E

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HEMPHILL, TX

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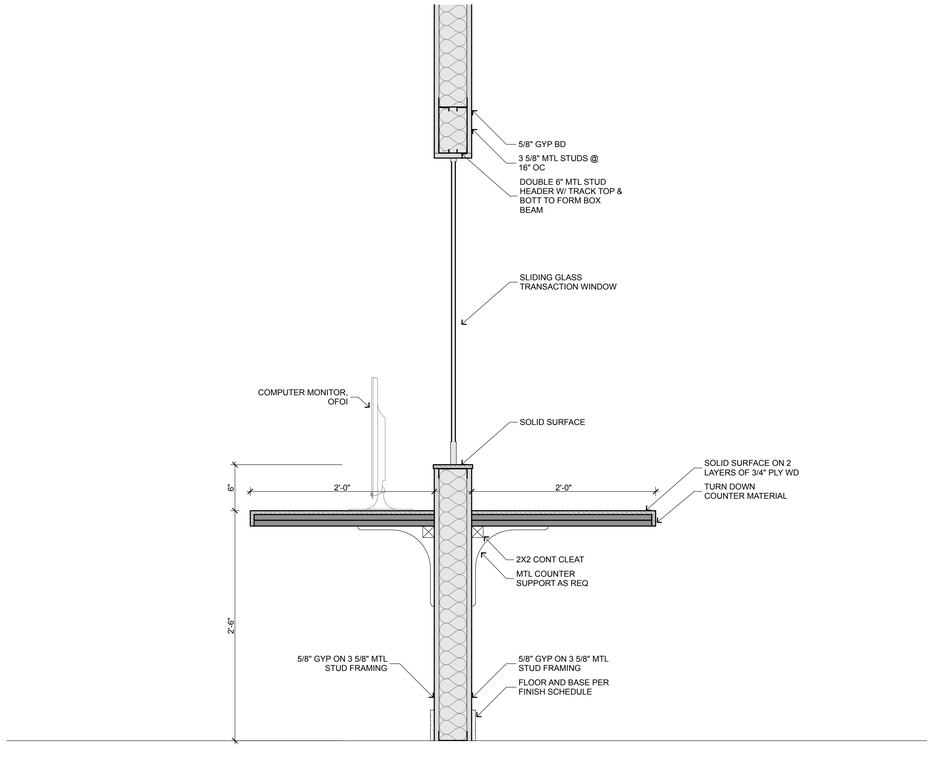
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

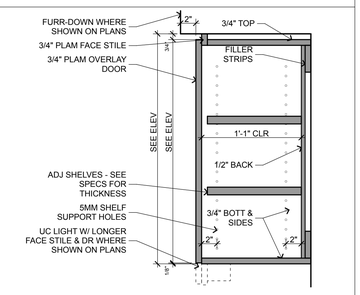
JOB NUMBER	DATE
21.095	7/17/25

SHEET NUMBER
A701
INTERIOR ELEVATIONS



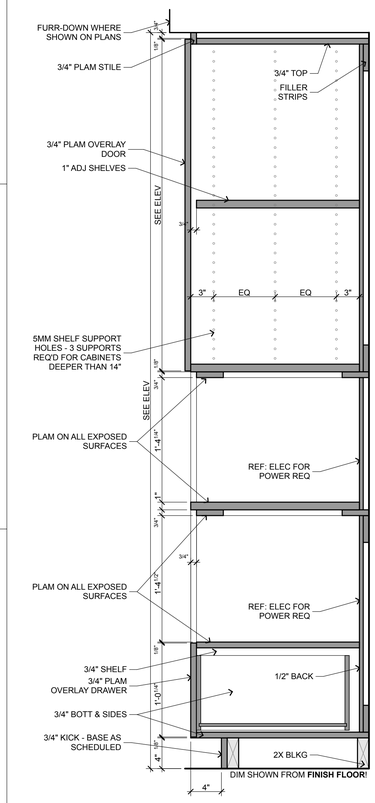
C1 A702 WALL SECTION @ SECRETARIAL POOL

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



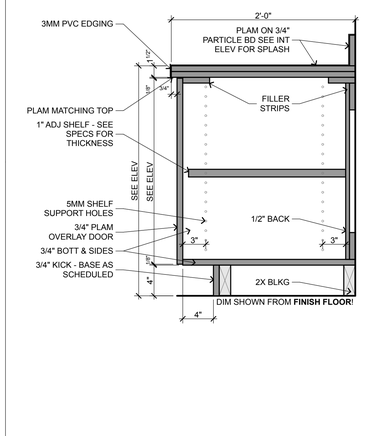
C4 A702 PLAM UPPER CABINET

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



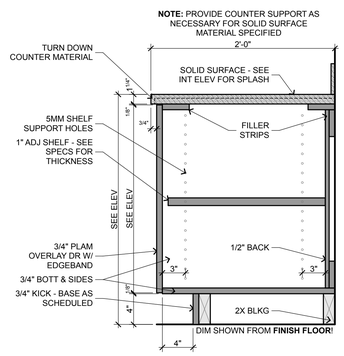
C5 A702 PLAM STOR/EQUIP CABINET

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



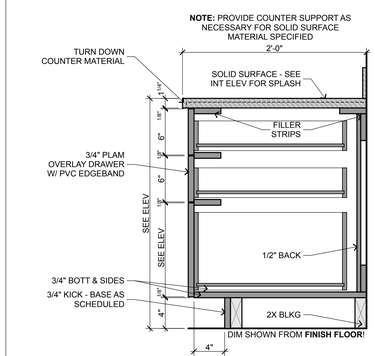
C6 A702 PLAM BASE CABINET

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



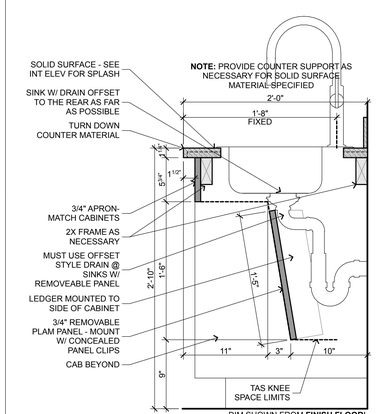
A4 A702 PLAM BASE CABINET

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



A5 A702 PLAM BASE CABINET

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



A6 A702 PLAM ACCESSIBLE SINK

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

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info@fitzpatrickarchitects.com

MHS PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT JOSHUA M. STEED 18953 STATE OF TEXAS

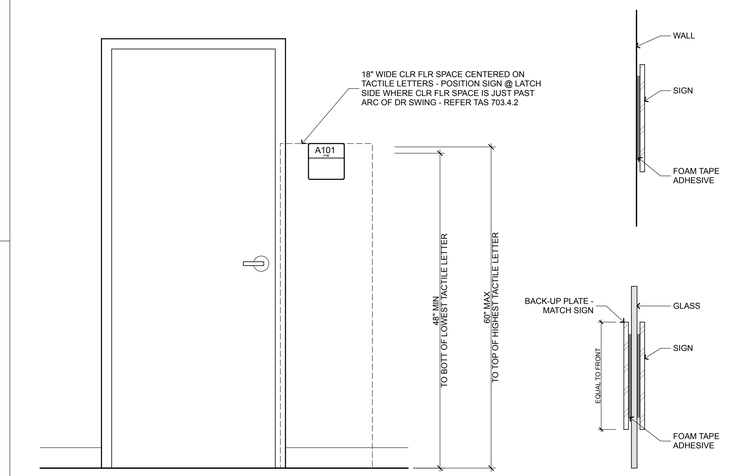
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

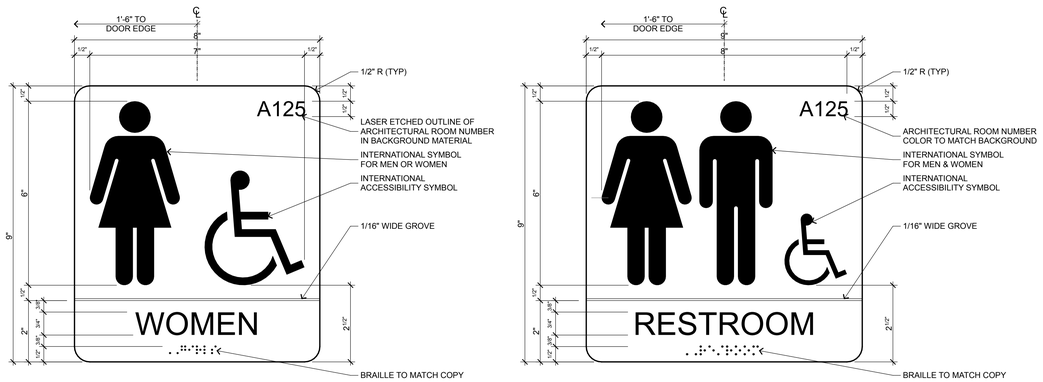
JOB NUMBER	DATE
21.095	7/17/25

SHEET NUMBER
A702
MILLWORK DETAILS



C5 A703 ROOM SIGN MOUNTING

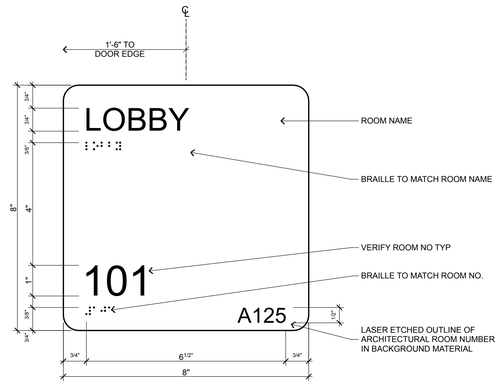
SCALE: 1" = 1'-0"



NOTES:
1. ALL COPY TO BE HELVETICA CONDENSED
2. ALL COPY TO BE RAISED 1/32" MIN
3. COPY STROKE WIDTH TO BE 1/4" WIDE MIN
4. SIZE OF COPY MAY BE ADJUSTED; HOWEVER, SIGN FACE & BACK SHALL BE AS SPECIFIED

A1 A703 ACCESSIBLE RESTROOM SIGNAGE

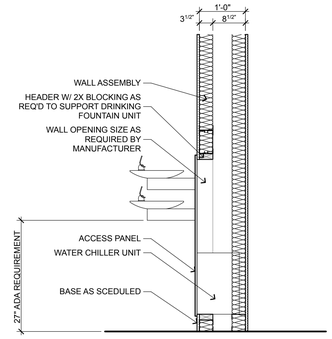
SCALE: 6" = 1'-0"



NOTES:
1. ALL COPY TO BE HELVETICA CONDENSED
2. RAISE ALL COPY ABOVE BRAILLE 1/32" MIN
3. COPY STROKE WIDTH TO BE 3/16" WIDE MIN
4. SIZE OF COPY FOR ROOM NUMBER TO BE 1"
5. SIZE OF COPY FOR ROOM NAME TO BE 3/4"
6. SIGN FACE & BACK SHALL BE AS SPECIFIED
7. WHEN ROOMS HAVE MORE THAN ONE ENTRY DOOR, PROVIDE ONE SIGN FOR EACH DOOR, THIS INCLUDES DOORS BETWEEN ROOMS

A4 A703 ROOM SIGNAGE TYPE A

SCALE: 6" = 1'-0"



A6 A703 WATER COOLER WALL CAVITY

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

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PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT
THOMAS M. FITZPATRICK
18953
STATE OF TEXAS

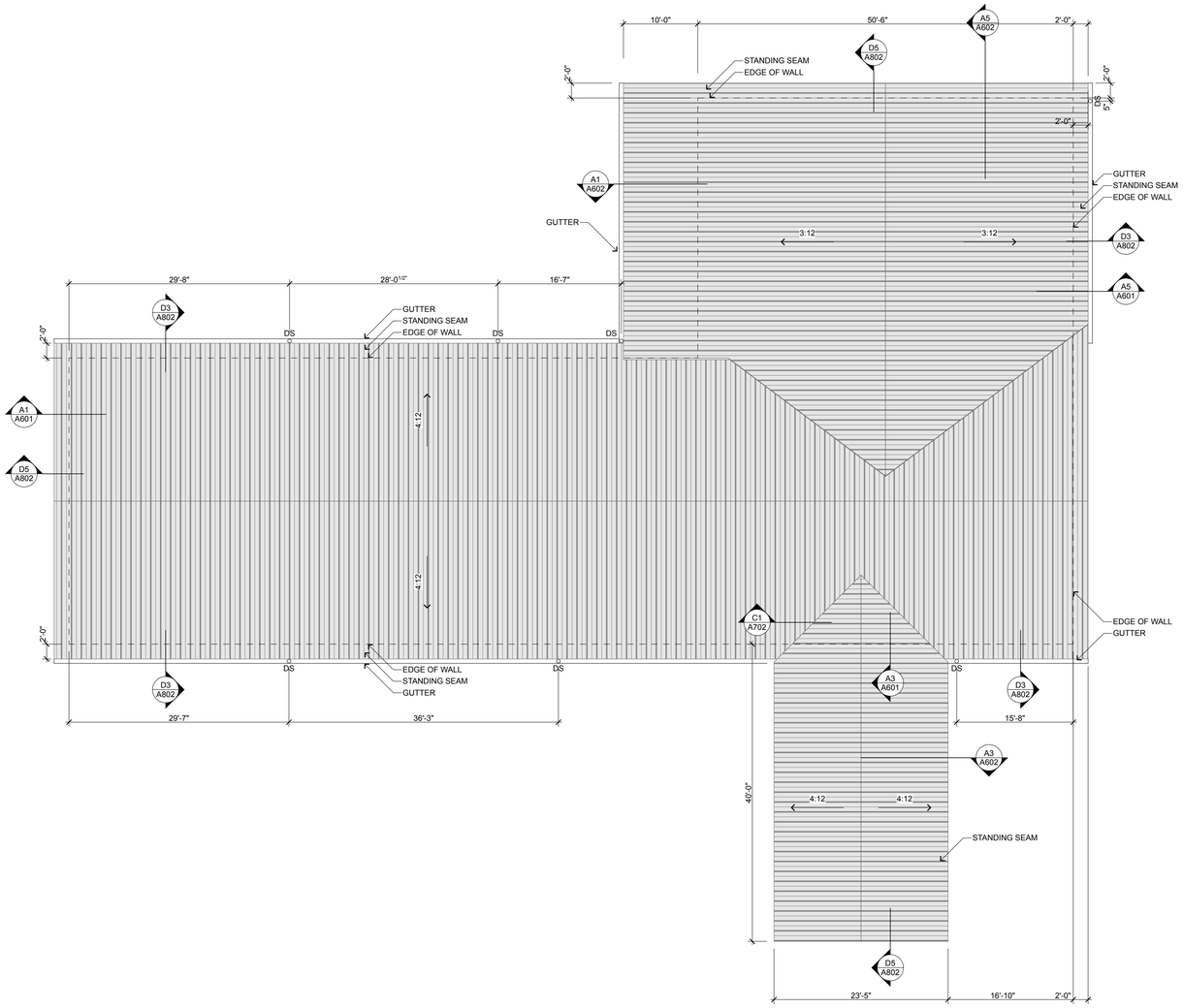
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

SHEET NUMBER
A703
INTERIOR DETAILS



PLAN NORTH

A3 / A801 ROOF PLAN

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

0 4" 8" 16"

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MHS PENDLETON OFFICE
HEMPHILL, TX

REGISTERED ARCHITECT THOMAS M. FITZPATRICK 18953 STATE OF TEXAS

1" ACTUAL

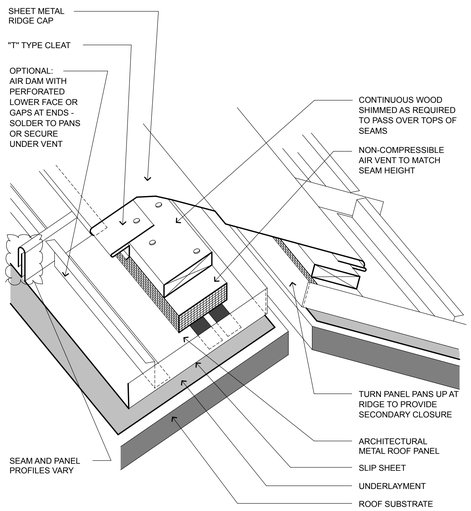
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

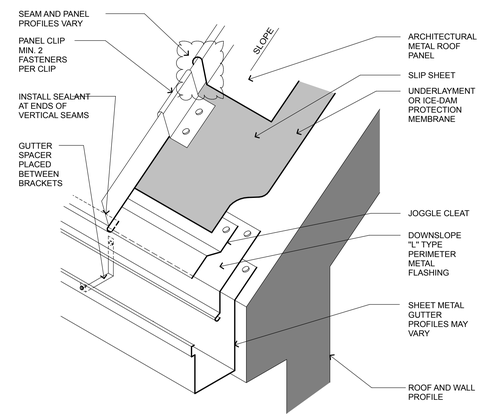
SHEET NUMBER
A801
ROOF PLAN



NOTE:
- SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
- THIS METHOD OF FLASHING FIXES THE PANELS ALONG THE RIDGE IF THE "Z" CLOSURE IS FASTENED THROUGH TO THE ROOF DECK.

B1 A802 MTL ROOF VENTING RIDGE CAP FLASHING

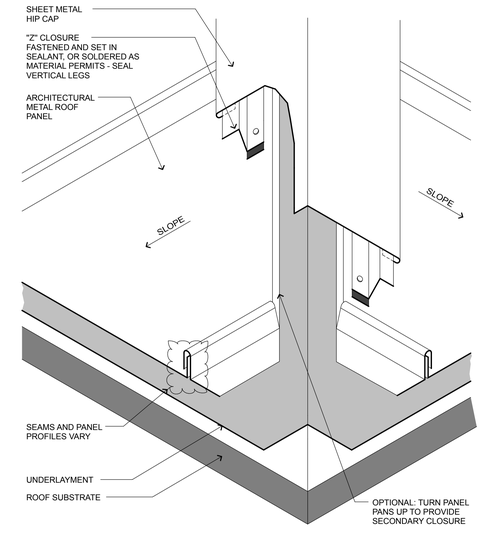
NOT TO SCALE



NOTE:
- SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
- GUTTER PROFILE AND SIZE VARY ACCORDING TO ROOF AREA SIZE, ROOF SLOPE, BUILDING CODE AND REGIONAL PRACTICES.

D3 A802 MTL ROOF DOWNSLOPE PEREMETER W/ GUTTER

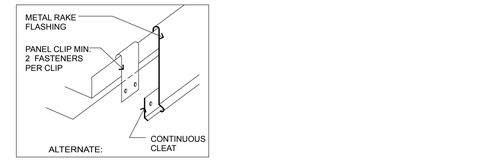
NOT TO SCALE

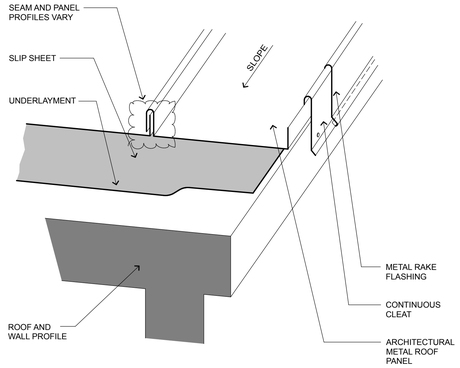


NOTE:
- SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
- THIS METHOD OF FLASHING FIXES THE PANELS ALONG THE HIP IF THE "Z" CLOSURE IS FASTENED THROUGH TO THE ROOF DECK.

B3 A802 MTL ROOF HIP CAP FLASHING

NOT TO SCALE

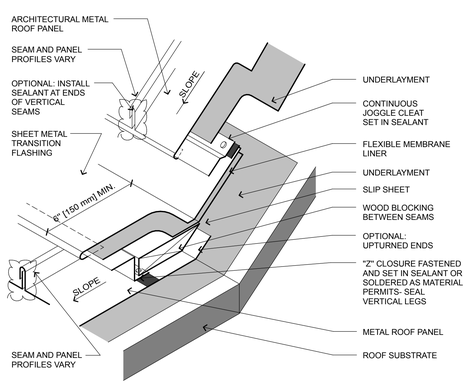




NOTE:
- SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.

D5 A802 MTL ROOF RAKE EDGE FLASHING (CLEATED)

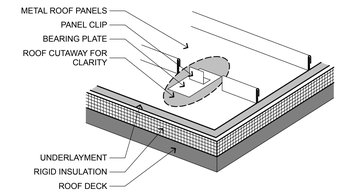
NOT TO SCALE



NOTE:
- SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
- THIS METHOD OF FLASHING FIXES THE LOWER ROOF PANELS.

B5 A802 MTL ROOF TO MTL ROOF TRANSITION

NOT TO SCALE



A5 A802 MTL ROOF BEARING PLATE

NOT TO SCALE

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REGISTERED ARCHITECT
THOMAS M. FITZPATRICK
18953
STATE OF TEXAS

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**

DATE **7/17/25**

SHEET NUMBER
A802
ROOF DETAILS

GENERAL NOTES:

1. The Contractor shall verify field dimensions and conditions before construction and notify the Architect of any discrepancies or inconsistencies before proceeding with the work.

2. The Contractor shall verify locations and sizes of all openings in floors and roofs and all inserts and embedded items with mechanical, electrical, and architectural drawings before placing concrete, installing decking or erecting any structural load bearing material. The general contractor shall be solely responsible for all coordination with sub-contractors.

3. Adequate temporary bracing will be required of all structural pieces or units until all walls and/or floor or roof decks are in place, and all concrete has gained its ultimate strength.

4. In case of discrepancies and elevations between structural and architectural drawings, the contractor shall verify with the Architect prior to fabrication and construction.

5. The latest edition of ACI, AISC, AWS, and CRSI specifications shall govern all phases of fabrication and construction.

6. Vapor barrier below slab-on-grade shall be 15 mil. by Stego Industries. Lap splice all joints 6 inches and seal with manufacturer's tape. Seal all pipe, conduit, etc., penetrations with manufacturer's tape. Seal all tears and punctures prior to placing concrete.

REINFORCING STEEL NOTES:

1. All reinforcing steel shall be new billet, ASTM A615 grade 60 deformed domestic bars. All rebar to be welded shall be ASTM A706. All detailing, fabrication, placing, and supporting shall be in accordance with ACI 318 and CRSI.

2. All dowels shall be the same size and spacing as adjoining main bars with a Class B lap splice, minimum unless noted of detailed otherwise. Splice all continuous bars with a Class B lap splice, minimum unless noted or detailed otherwise.

3. Clear minimum coverage of concrete over reinforcing bars shall be as follows unless noted or detailed otherwise:

concrete placed against earth..... 3 inches
formed concrete against earth..... 2 inches
beams to ties/stirrups..... 1½ inches
top and bottom of suspended slabs..... ¾ inches or bar dia.

4. All reinforcing bars, W.W.F., bolts, dowels, inserts, etc., shall be rigidly secured in position prior to placing concrete.

5. Contractor shall submit complete shop and placing drawings and obtain approval prior to fabrication.

FOUNDATION NOTES:

1. Foundation design is based on the soil investigation by Terracon Consultants Inc., Project No. 93235013. Subgrade preparation shall be in accordance with the Earthwork section of the Soil Report, starting on page 5. All subgrade preparation, fill installation, and foundation installation shall be in strict accordance with the Soil Report.

2. Spread and continuous footings shall bear on compacted structural fill or competent natural soil bearing stratum at a minimum of 18 inches below the lowest adjacent finish grade with a net allowable bearing capacity of 2,000 psf and 1,600 psf, respectively.

3. Contractor shall provide for dewatering at excavations from either surface water or seepage. Contractor shall provide adequate shoring to prevent cave-ins.

4. All foundation excavations and subgrade preparation shall be inspected by a representative of the Geotechnical Engineer prior to placement of reinforcing steel or concrete.

CONCRETE NOTES:

1. The concrete supplier shall submit concrete mix design data to the Architect for review prior to construction.

2. Materials shall conform with:

A. Cement–ASTM C150 Type I or II
B. Aggregate–ASTM C33
C. Water – Potable

3. Use the following table for guidance in preparing mix designs for the given type of pour:

CONCRETE MIX DESIGN PARAMETERS

TYPE OF POUR	28 DAY COMPRESSIVE STRENGTH	MAX. WCR	MIN. CEMENT CONTENT (LBS/CY)	TARGET SLUMP	AIR CONTENT	MAX. AGGREGATE SIZE
all concrete	3500 psi	0.5	517	4"±1"	3% max.	1"

4. Proportioning of concrete mix designs shall be determined by the procedures established in Section 5.3 of ACI 318. The concrete supplier shall submit concrete mix designs to the Architect/Engineer for review and approval prior to construction.

5. Slumps of pumped concrete placed without a pump aid admixture shall not exceed 5" at the pump hopper and shall not exceed the specified values at the discharge nozzle. In not case shall the concrete water-cement ratio be increased.

6. Flyash and other pozzolans shall conform to ASTM C-618 and shall not make up more than 20 percent of the total cementitious materials by weight. Do not use flyash in concrete when the temperature during placement or curing is projected to fall below 50° F.

7. Utilities which project through the slab on grade shall be wrapped with expansion joint material or shall be set with oversized sleeves such that the utility does not hamper the ability of the slab to expand and contract.

CAST-IN-PLACE CONCRETE EXECUTION NOTES:

1. All concrete is reinforced unless specifically noted as 'unreinforced'. Reinforce all concrete not otherwise shown with the same steel as shown in similar sections. Comply with ACI 304, Recommended Practice for Measuring, Mixing, Transporting, and Placing Concrete.

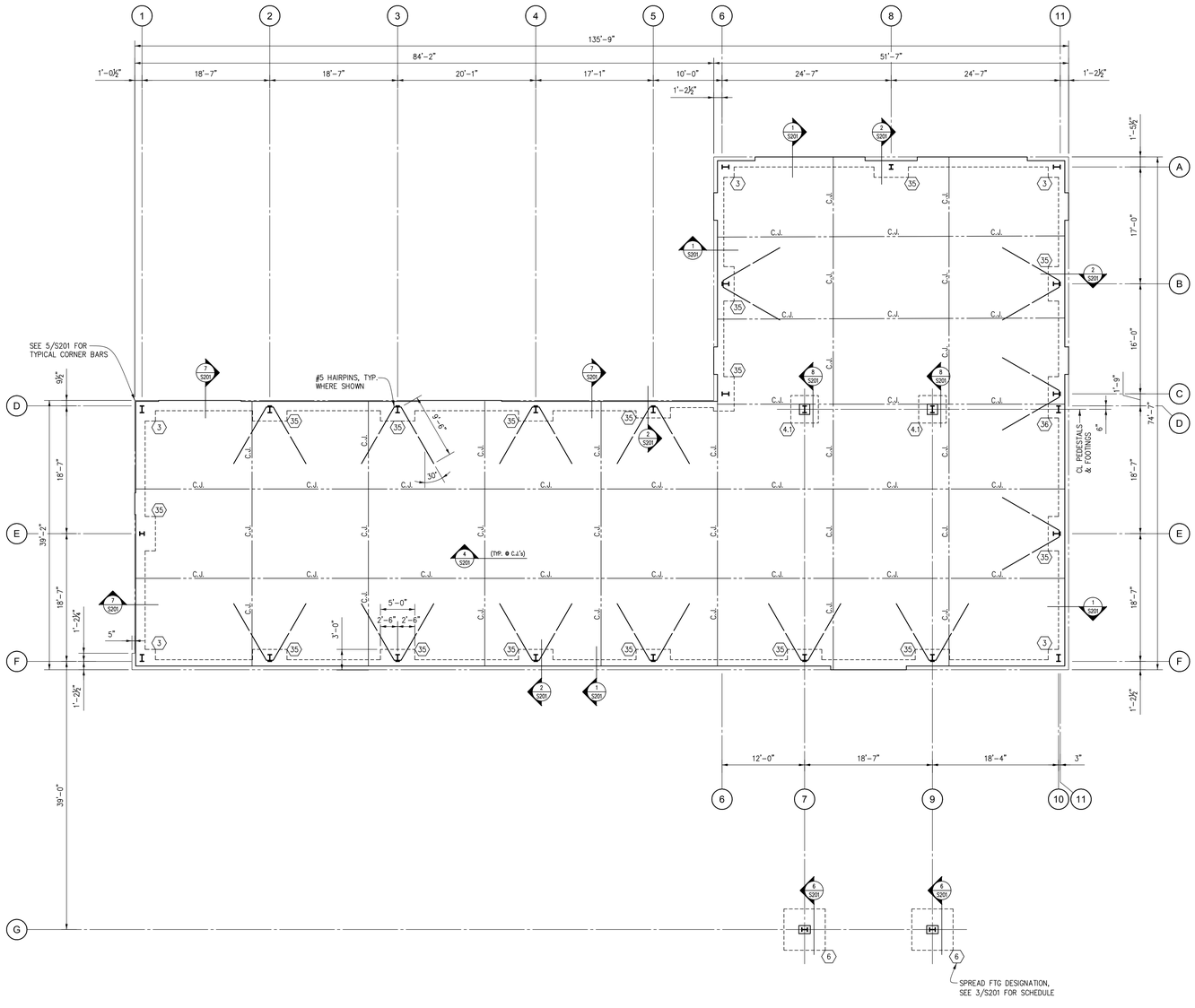
2. Cold weather conditions: When air temperature has fallen to or is expected to fall below 40 deg. F, all concrete placement shall comply with the provisions of ACI 306 and as herein specified. Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing actions, or low temperatures.

3. Hot weather conditions: When air temperature exceeds 90 deg. F, all concrete shall comply with the provisions of ACI 305 and as herein specified.

4. Perform curing of concrete by curing and sealing compound, by moist curing, moisture-retaining cover curing, or by combinations thereof.

5. Coordinate concrete finishes, recessed areas, reveals, embedded items, special joint patterns, etc. with the Architectural drawings and specifications. No aluminum items shall be embedded in concrete.

6. All openings in concrete slabs shall be reinforced with (1) #3 rebar (opening dimension plus 2 feet each side) along each side of opening, and (1) #3 x 48 inches diagonally at each corner. Reinforce all re-entrant corners with (1) #3 x 48 inches diagonally. Add additional steel to match above for each layer of steel shown.



TYPICAL SLAB ON GRADE: 4" CONC. SLAB w/ #3 @ 16" O.C. EACH WAY ON VAPOR BARRIER ON PREPARED SUBGRADE

FINISH FLOOR EL. = 100'-0"

NOTE: SPREAD FOOTING SIZES AND LOCATIONS ARE BASED ON ASSUMED COLUMN REACTIONS AND LAYOUT. SPREAD FOOTINGS ARE SUBJECT TO CHANGED PENDING METAL BUILDING DESIGN. THEREFORE, THESE ITEMS SHALL NOT BE INSTALLED UNTIL A BUILDING DESIGN HAS BEEN SUBMITTED BY THE BUILDING MANUFACTURER AND THE FOUNDATION DESIGN HAS BEEN VERIFIED AND/OR REVISED BY THE STRUCTURAL ENGINEER OF RECORD.

PLAN NORTH

FOUNDATION PLAN

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

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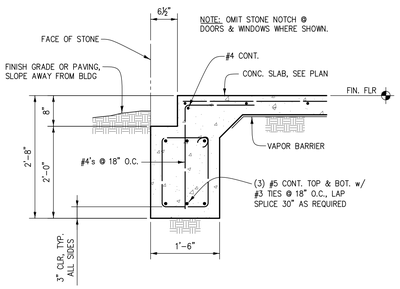
PROFESSIONAL
ENGINEER
F-9228, 07.17.2025

PROJECT MANAGER
JOSHUA STEED

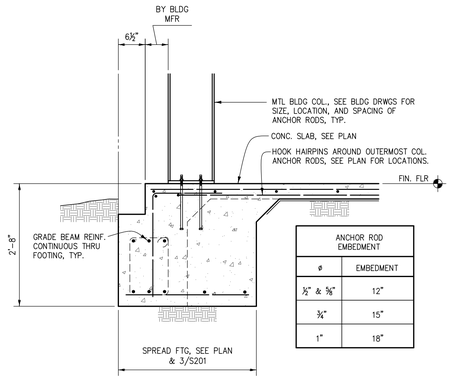
SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
S101
FOUNDATION PLAN, & NOTES



SECTION SCALE: 3/4"=1'-0" 1 S201

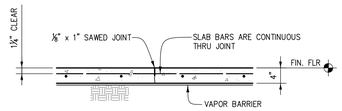


SECTION SCALE: 3/4"=1'-0" 2 S201

SPREAD FOOTING SCHEDULE

MARK	SIZE	'T'	REINFORCING	REMARKS
3	3'-0" x 3'-0"	2'-8"	(4) #5 EACH WAY, BOTTOM	
4	4'-0" x 4'-0"	2'-8"	(5) #5 EACH WAY, BOTTOM	
4.1	4'-0" x 4'-0"	1'-0"	(5) #5 EACH WAY, BOTTOM	
35	3'-0" x 5'-0"	2'-8"	(4) #5 IN SHORT DIR., BOTTOM (6) #5 IN LONG DIR., BOTTOM	
36	3'-0" x 6'-0"	2'-8"	(4) #5 IN SHORT DIR., BOTTOM (7) #5 IN LONG DIR., BOTTOM	
6	6'-0" x 6'-0"	1'-0"	(7) #5 EACH WAY, BOTTOM	

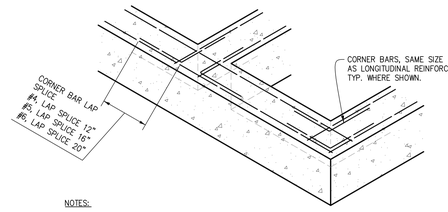
SCHEDULE - SPREAD FOOTING SCALE: 3/4"=1'-0" 3 S201



NOTES:

1. SAWED JOINTS SHOULD BE CUT 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED IN AN AREA, 4 HOURS IN HOT WEATHER AND 12 HOURS IN COLD WEATHER.
2. ALL SUBGRADE RUTTING SHALL BE REPAIRED PRIOR TO SLAB PLACEMENT.
3. JOINT SEALANT NOT REQUIRED.

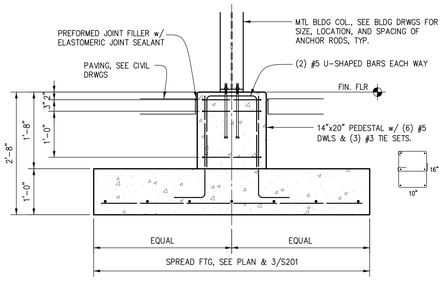
SLAB ON GRADE CONTRACTION JOINT (C.J.) DETAIL - 4" SLAB SCALE: 3/4"=1'-0" 4 S201



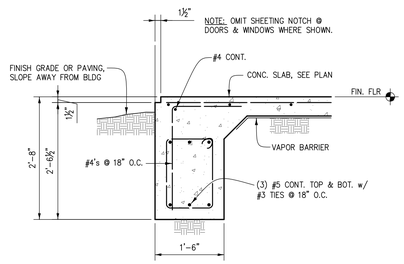
NOTES:

1. CORNER BARS ARE REQUIRED IN ALL CONCRETE BEAMS, WALLS, AND CMU BONDBEAMS.
2. TOP STEEL ONLY IS DEPICTED IN THIS DETAIL, BUT CORNER BARS ARE REQUIRED FOR ALL LEVELS OF LONGITUDINAL REBAR.

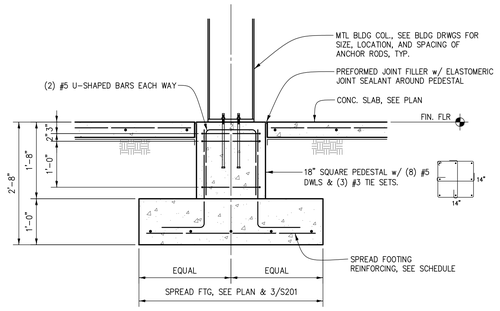
CORNER BAR DETAIL SCALE: N.T.S. 5 S201



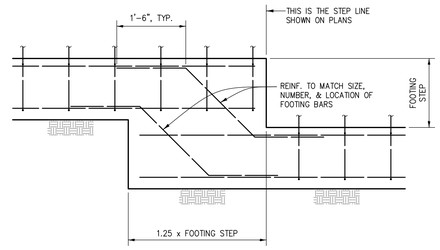
SECTION SCALE: 3/4"=1'-0" 6 S201



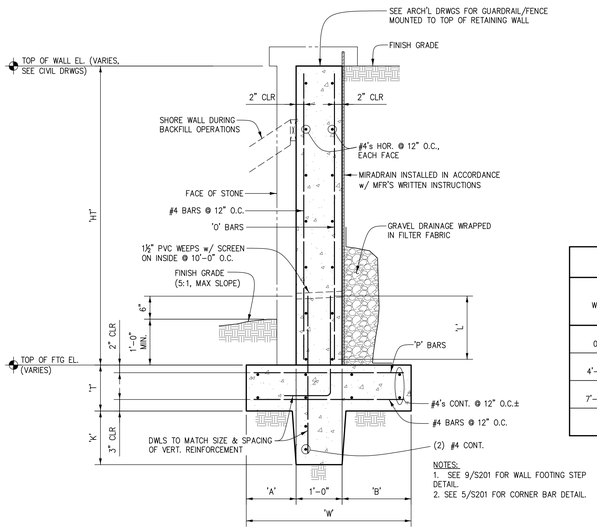
SECTION SCALE: 3/4"=1'-0" 7 S201



SECTION SCALE: 3/4"=1'-0" 8 S201



WALL FTG STEP DETAIL SCALE: 3/4"=1'-0" 9 S201

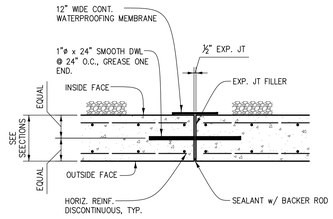


NOTES:
1. SEE 9/S201 FOR WALL FOOTING STEP DETAIL.
2. SEE 5/S201 FOR CORNER BAR DETAIL.

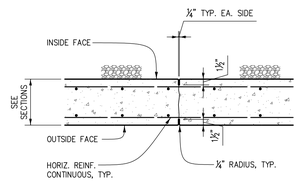
RETAINING WALL SCHEDULE

WALL HEIGHT 'H1'	'A'	'B'	'W'	'T'	'K'	REINFORCING STEEL 'O'	REINFORCING STEEL 'P'	LAP SPLICE (MIN.) 'L'
0' TO 4'-0"	1'-0"	1'-0"	3'-0"	12"	0"	#4 @ 12"	#4 @ 12"	–
4'-1" TO 7'-0"	1'-0"	2'-0"	4'-0"	12"	0"	#5 @ 12"	#5 @ 12"	3'-0"
7'-1" TO 11'-6"	2'-0"	4'-6"	7'-6"	14"	12"	#6 @ 8"	#6 @ 8"	3'-6"

12" RETAINING WALL DETAIL & SCHEDULE SCALE: 3/4"=1'-0" 10 S201



EXPANSION JOINT



CONTRACTION JOINT

NOTE:
PROVIDE VERTICAL CONTRACTION JOINTS @ 25 FT O.C. AND VERTICAL EXPANSION JOINTS @ 100 FT O.C.

RETAINING WALL JOINT DETAILS SCALE: 3/4"=1'-0" 11 S201

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F-9228, 07.17.2025

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PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
S201
FOUNDATION SECTIONS & DETAILS

NOTES BY SYMBOL: "⬡"

1. CONDENSING UNIT ON PAD. RE: M3 FOR SCHEDULE. ROUTE REFRIGERANT LINES IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSULATE LINES PER SPECS. RE: DETAIL M3 REFRIGERANT LINES INSIDE CHASE/ATTIC TO FCU.
2. REFRIGERATION PIPING TO CONDENSING UNIT. SIZE IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. PROVIDE FILTER DRIER AND SIGHT GLASS AT CONNECTION TO CONDENSING UNIT. ROUTE THRU APPROXIMATE 3" DIA. WALL PENETRATION.
3. VERTICAL FAN COIL UNIT ON 36"WX18"H MIN. RETURN AIR PEDESTAL. INSIDE OF RETURN AIR PLENUM SHALL BE LINED WITH 24 GA. SHEET METAL. ROUTE 3/4" CONDENSATE DRAIN TO FLOOR DRAIN. RE: M3 FOR SCHEDULE AND M7 SUPPORTING DETAIL. FURNISH AND INSTALL 2" PLEATED FILTERS.
4. HORIZONTAL FAN COIL UNIT ABOVE CEILING. MOUNTED ON HANGER RODS WITH RUBBER ISOLATORS. ROUTE 3/4" CONDENSATE DRAIN TO FLOOR/JAN SINK. RE: M3 FOR SCHEDULE AND M3 FOR SUPPORTING DETAIL. FURNISH AND INSTALL 2" PLEATED FILTERS.
5. PROVIDE DUCT TRANSITION FROM FULL EQUIPMENT OPENING SIZE TO SIZE SHOWN ON PLAN.
6. FURNISH AND INSTALL ROOF MOUNTED OUTSIDE AIR INTAKE. INTAKE VENT TO BE EQUIVALENT TO COOK MODEL # PR-, SEE PLAN FOR THROAT SIZE. INSTALL ON FACTORY CURB. INSTALL PER EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
7. FURNISH AND INSTALL OUTSIDE AIR DAMPER AND ACTUATOR. ACTUATOR SHALL BE EQUIVALENT TO BELIMO #LMBR24-SR. DAMPER SHALL BE EQUIVALENT TO RUSKIN LOW LEAKAGE TYPE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. WALL MOUNTED THERMOSTAT. COORDINATE CONTROL PACKAGE ASSEMBLY AND LOCATION IN THE FIELD.
9. CEILING MOUNTED AIR DEVICE. ALIGN WITH LIGHTS AND AVOID INTERFERENCE WITH STRUCTURAL ELEMENTS.
10. FURNISH AND INSTALL BALANCING DAMPER IN ALL BRANCH DUCTS AND/OR AIR DEVICE RUN-OUTS.
11. INSTALL NEW CEILING MOUNTED EXHAUST FAN. RE: M3 FOR SCHEDULE.
12. EXHAUST DUCT THROUGH ROOF TO ROOF CAP. INSTALL FLASHING, STORM COLLAR AND CAP, SIZE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. RE: M3 FOR DETAIL.
13. EXHAUST DUCT THROUGH WALL TO WALL CAP. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SEAL WEATHERTIGHT. RE: M3 FOR DETAIL.

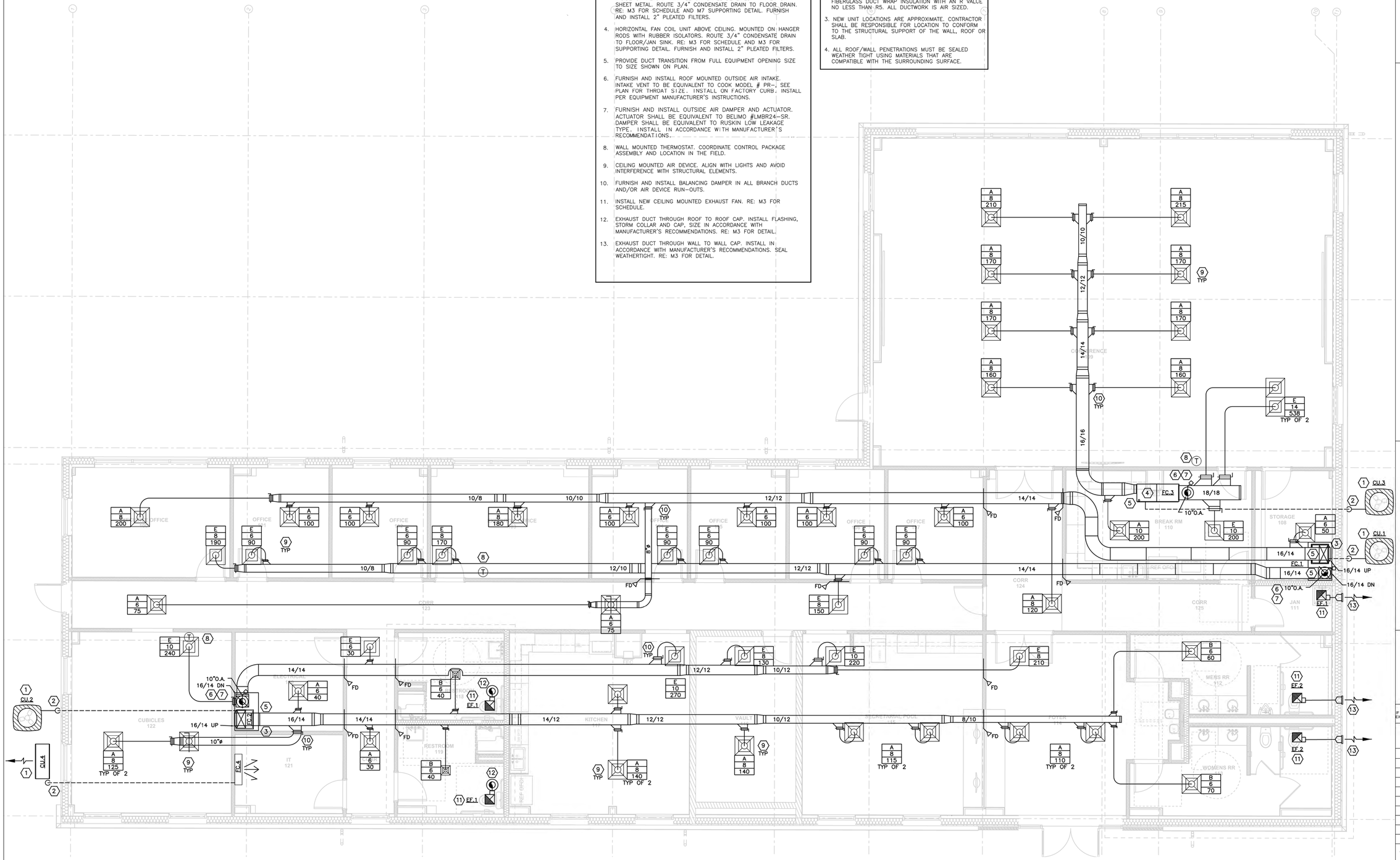
SPECIAL NOTES

1. MAINTAIN MINIMUM 10'-0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
2. ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA DUCT CONSTRUCTION STANDARDS FOR LOW PRESSURE CLASSIFICATION. DUCT SHALL BE HUNG FROM THE STRUCTURE USING MINIMUM 1" WIDE 24 GA. GALV. STRAP OR AS SPECIFICALLY DEFINED BY SMACNA. RE: SHEET M4 FOR ADDITIONAL NOTES. ALL SUPPLY DUCTWORK TO EXTERNALLY INSULATED WITH FIBERGLASS DUCT WRAP INSULATION WITH AN R VALUE NO LESS THAN R5. ALL DUCTWORK IS AIR SIZED.
3. NEW UNIT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION TO CONFORM TO THE STRUCTURAL SUPPORT OF THE WALL, ROOF OR SLAB.
4. ALL ROOF/WALL PENETRATIONS MUST BE SEALED WEATHER TIGHT USING MATERIALS THAT ARE COMPATIBLE WITH THE SURROUNDING SURFACE.

AIR DEVICE SYMBOL

XX	AIR DEVICE TYPE
XXXXX	NECK SIZE
XXX	CFM

REFER TO AIR DEVICE SCHEDULE ON SHEET M3 FOR DESCRIPTION.



N 1 FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

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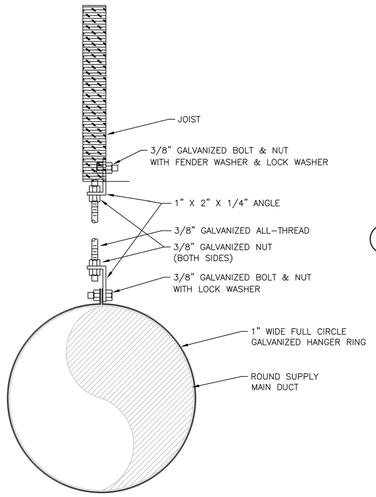
PROJECT MANAGER
JOSHUA STEED

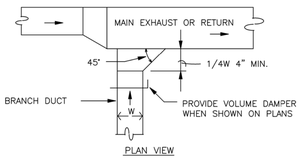
SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	**7/17/25**

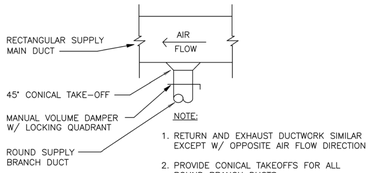
SHEET NUMBER
M101



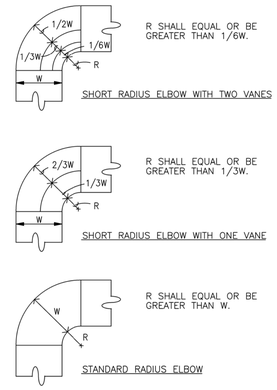
1 ROUND DUCT HANGER DETAIL
SCALE: NOT TO SCALE



2 EXHAUST/RETURN DUCT CONNECTION DETAIL
SCALE: NOT TO SCALE



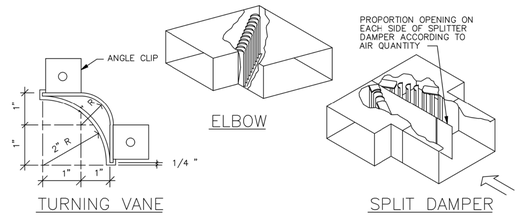
3 ROUND DUCT TAKEOFF DETAIL
SCALE: NOT TO SCALE



4 RADIUSED ELBOW DETAILS
SCALE: NOT TO SCALE

NOTES:

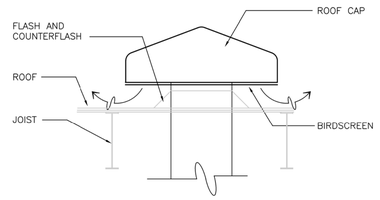
1. THE INTERIOR SURFACES OF ALL RADIUS ELBOWS SHALL BE MADE ROUND
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VASE SHALL BE CONSTRICTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.



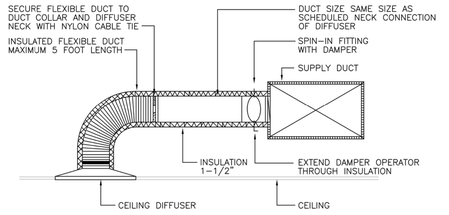
5 DUCT CONSTRUCTION DETAILS
SCALE: NOT TO SCALE

NOTES:

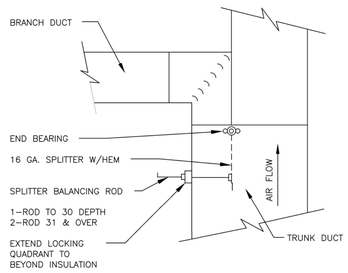
1. ALL RECTANGULAR ELBOWS SHALL HAVE TURNING VANES.
2. ALL RECTANGULAR SPLITS SHALL HAVE TURNING VANES IN BOTH ELBOWS.



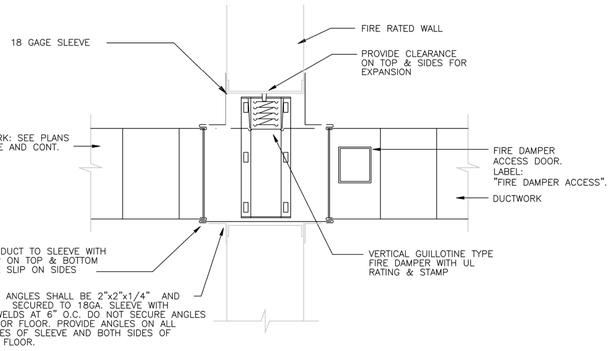
6 ROOF PENETRATION DETAIL
SCALE: NOT TO SCALE



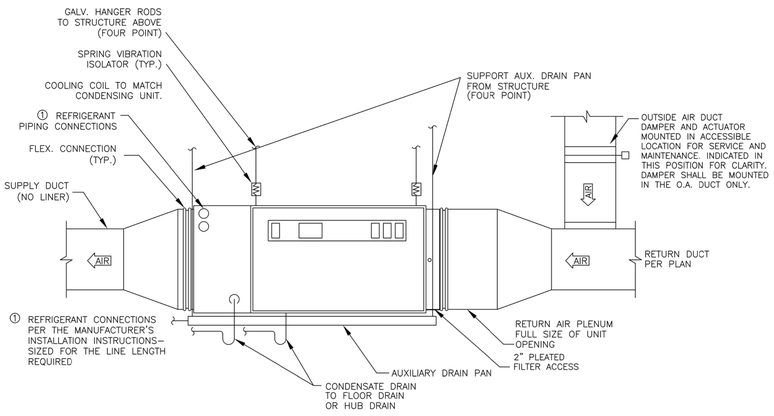
7 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE



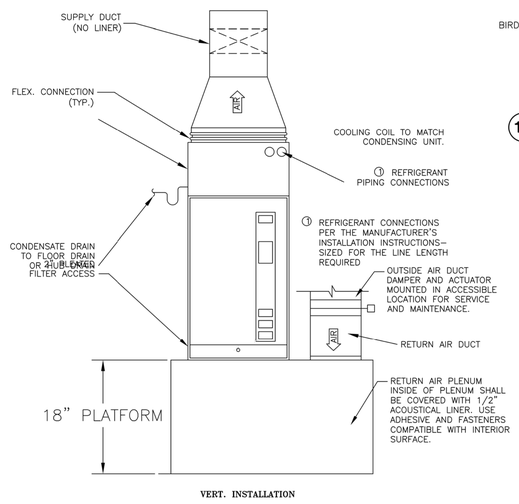
8 MAIN DUCT SPLIT DETAIL
SCALE: NOT TO SCALE



9 DUCT PENETRATION THRU FIRE RATED WALL
SCALE: NOT TO SCALE

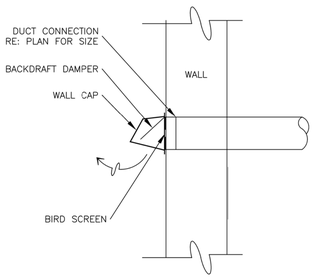


12 HORIZONTAL FAN/COIL UNIT DETAIL
SCALE: NOT TO SCALE

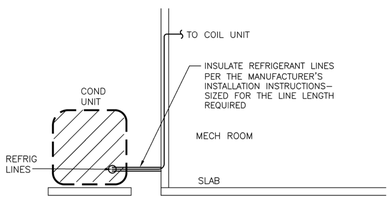


VERT. INSTALLATION

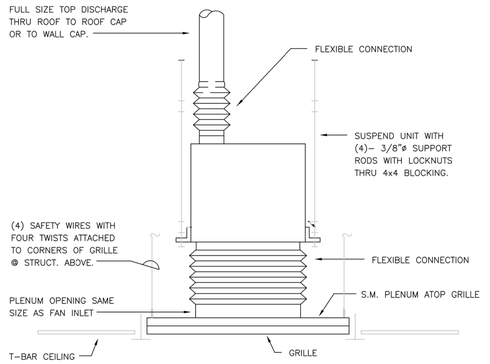
13 VERTICAL FAN COIL UNIT DETAIL
SCALE: NOT TO SCALE



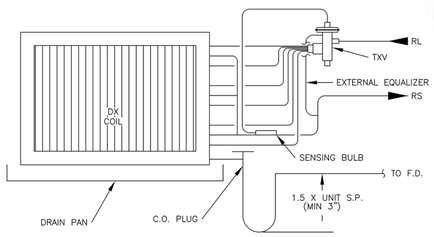
10 WALL PENETRATION DETAIL
SCALE: NOT TO SCALE



14 REFRIGERANT LINE DETAIL (SIMILAR)
SCALE: NOT TO SCALE



11 CEILING EXHAUST FAN DETAIL (IN-LINE SIMILAR)
SCALE: NOT TO SCALE



15 D/X COIL PIPING DETAIL
SCALE: NOT TO SCALE

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PROJECT MANAGER
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SHEET REVISION HISTORY

JOB NUMBER	DATE
21.095	7/17/25

SHEET NUMBER
M201

A/C UNIT SCHEDULE **

PLAN MARK	CFM	MIN. O/A	E.S.P.	HP	RPM	TOTAL COOL	SENS COOL	E.A.T. DB/WB	HEAT REQ'D KW	UNIT VOLTAGE	HTR. AMPS	COMPR #1 FLA	COMPR #2 FLA	I.F.M. FLA	O.F.M. F.L.A.	MCA	MOCP	SEER2	WEIGHT (LBS)	MODEL	MANUF	SERVES	NOTES
FC.1	1300	250	0.7"	3/4	500–1150	43,300	31,720	80/67	10	208V/1ø	36.2	–	–	6.8	–	53.8	60	–	210	FT5ANBD48L10	CARRIER	100–110, 123–125	1,3,7,9–11,15,16
CU.1	–	–	–	1/4	800	43,300	–	105	–	208V/1ø	–	25.8	–	–	1.20	31.4	50	17.0	350	27TPA848A003	CARRIER	FC.1	2,6,12,15
FC.2	1400	300	0.7"	3/4	500–1150	43,710	32,910	81/67	10	208V/1ø	36.2	–	–	6.8	–	53.8	60	–	210	FT5ANBD48L10	CARRIER	112–122, 126	1,3,7,9–11,15,16
CU.2	–	–	–	1/4	800	43,710	–	105	–	208V/1ø	–	25.8	–	–	1.20	31.4	50	17.0	350	27TPA848A003	CARRIER	FC.2	2,6,12,15
FC.3	1625	350	0.5"	3/4	500–1150	53,790	38,900	81/68	10	208V/1ø	36.2	–	–	6.8	–	53.8	60	–	210	FT5ANBD60L10	CARRIER	109	1,3,7,9–11,15,16
CU.3	–	–	–	1/4	800	53,790	–	105	–	208V/1ø	–	26.9	–	–	1.50	34.9	60	17.0	350	27TPA860A003	CARRIER	FC.3	2,6,12,15
FC.4	500	0	0.1"	–	VARIES	16,200	11,880	80/67	0	230V/1ø	–	–	–	0.485	–		15	–	–	45MHHAC18X–3	CARRIER	121 IT	7,9,10,11,15
CU.4	–	–	–	–	–	16,200	–	105	–	230V/1ø	–	9.0	–	–	0.50	11.8	20	14	250	37MHRAC18AA3	CARRIER	FC.4	2,9,12,15

NOTES:
1. TWO STAGE HEAT WHERE APPLICABLE
2. 105° AMBIENT
3. 2" PLEATED FILTERS
4. STANDARD FACTORY CURB
5. PROVIDE FACTORY INSTALLED ENTHALPY ECONOMISER & BAROMETRIC RELIEF.
6. PROVIDE LOW AMBIENT CONTROL DOWN TO 0 F.
7. PROGRAMMABLE THERMOSTAT CONTROL
8. VERTICAL DISCHARGE
9. SINGLE POINT ELECTRICAL CONNECTION
10. RUBBER ISOLATORS AT MOUNTING POINTS
11. CORROSION RESISTANT DRAIN PAN
12. 45° SATURATED SUCTION TEMP
13. FACTORY POWERED CONVENIENCE OUTLET
14. PROVIDE FACTORY INSTALLED CONDENSER COIL HAIL GUARD
15. R–454B REFRIGERANT
16. LEVELING KIT

** ANY SYSTEM WITH AIR FLOW IN EXCESS OF 1900 CFM MUST BE EQUIPPED WITH RETURN AIR SMOKE DETECTORS.

AIR DEVICE SCHEDULE

TYPE	DESCRIPTION	FINISH	MODEL	MANUFACTURER
A	24X24 SUPPLY DIFFUSER, LOUVER FACE	WHITE	1400	KRUEGER
B	12X12 SUPPLY DIFFUSER, LOUVER FACE	WHITE	1400	KRUEGER
C	DRUM LOUVER W/ DOBHD	WHITE	DPL2	KRUEGER
D	SUPPLY REGISTER, SURF. MOUNT, HORIZ. BARS W/ OBD	WHITE	880H	KRUEGER
E	24X24 RET/EXH/SUPPLY GRILLE, PERF FACE	WHITE	6590	KRUEGER
F	12X12 RET/EXH GRILLE, PERF FACE	WHITE	6590	KRUEGER
G	SUPPLY REGISTER, SURF. MOUNT, HORIZ. BARS W/ OBD	WHITE	480	KRUEGER
H	RET/EXH GRILLE, HORIZ. BARS, SURFACE MTD.	WHITE	S80H	KRUEGER

NOTE:
1. NOT ALL TYPES ARE NECESSARILY USED
2. FRAME STYLE SHALL BE COMPATIBLE WITH CEILING TYPE
3. IN GYPBOARD CEILINGS, PROVIDE LAY–IN TYPE DEVICE WITH PLASTER FRAME
4. PROVIDE NECESSARY CLIPS, SUPPORTS AND SQUARE TO ROUND CONNECTIONS
5. PROVIDE RADIATION DAMPER AND BLANKET FOR RATED CEILING ASSEMBLIES
6. FINISH SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ORDER

EXHAUST FAN SCHEDULE

DESIGNATION	EF.1	EF.2
SERVES	RR'S	RR'S 112, 113
CFM	75	100
S.P. (IN. W.G.)	0.125	0.125
MOTOR HP OR AMPS	0.3 A	3.6 AMPS
ELECTRICAL CHARACTERISTIC	120/1/60	120/1/60
MODEL NUMBER	XB80	350
MANUFACTURER	BROAN	BROAN
SONES	0.3	MEDIUM
ACCESSORIES	1,2,3,4,5,7,8,9,10	1,2,3,4,7,8,10
CONTROLS	SWITCH	SWITCH

ACCESSORIES:
1. FACTORY DISCONNECT
2. BACKDRAFT DAMPER
3. INSECT SCREEN
4. DUCT TRANSITIONS
5. DIRECT DRIVE
6. COMPLETE WITH CURB
7. RUBBER VIBRATION ISOLATORS
8. ALUMINUM CONSTRUCTION
9. INTEGRAL ROOF FLASHING
10. ALUMINUM CEILING GRILLE

DUCTING LEGEND

- THERMOSTAT, HUMIDISTAT (OR SENSOR)
- SUPPLY DUCT
- RETURN DUCT
- RECT. DUCT VERTICAL
- ROUND DUCT/OR PIPE VERTICAL
- RECT. ELBOW W/TURNING VANES
- SPIN–IN FITTING W/ EXTRACTOR & BALANCE DAMPER
- BRANCH Y FITTING W/BALANCE DAMPER
- SIZE CHANGE INDICATOR
- CONTROL DAMPER
- FIRE DAMPER
- FIRE/SMOKE DAMPER
- EXHAUST FAN
- EXHAUST GRILLE
- RND. NECK DIFFUSER
- RND. NECK RETURN GRILLE
- SUPPLY AIR FLOW
- RETURN AIR FLOW

GENERAL NOTES

1. COMPLETED INSTALLATIONS SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES AND THE SPECIFICATIONS. IF ANY CONFLICTS OCCUR, THE MOST STRINGENT SHALL APPLY.
2. PIPING AND DUCT LAYOUT IS ONLY SCHEMATIC, EXACT LOCATION OF PIPES AND DUCTS SHALL BE COORDINATED WITH BLDG. STRUCTURE, AND WORK OF OTHER CONTRACTORS PRIOR TO START OF ANY CONSTRUCTION OR DEMOLITION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WARRANTIES ON THE EQUIPMENT INSTALLED BY THAT CONTRACTOR OR THEIR SUB–CONTRACTORS.
4. INSURE THE EXECUTION OF ALL WARRANTIES FOR EQUIPMENT AND INSTALLATION AS PRESCRIBED BY THE OWNER AND/OR ARCHITECT.
5. ALL DUCTS AND PIPES ABOVE CEILING AND TIGHT TO BOTTOM OF STRUCTURE UNLESS OTHERWISE NOTED.
6. ELEVATIONS, WHERE SHOWN, ARE CENTER OF PIPE AND BOTTOM OF DUCT UNLESS OTHERWISE NOTED.
7. NOTIFY GENERAL CONTRACTOR OF SIZE AND LOCATION OF ALL RECESSES AND OPENINGS REQUIRED FOR HVAC WORK.
8. LOCATE ALL TEMPERATURE, PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP– OR DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER FOR ACCURACY.
9. LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS AND VALVING.
10. LOCATE TEMPERATURE AND PRESSURE GAUGES FOR UNOBSTRUCTED ACCESS TO VIEWING.
11. LOCATE ROOM THERMOSTATS, HUMIDISTAT, AND TEMPERATURE AND HUMIDITY SENSORS 4'–0" (CENTERLINE) ABOVE FINISHED FLOOR. NOTIFY ARCHITECT WHERE DIMENSION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION.
12. PROVIDE ALL DUCTWORK TRANSITIONS TO ACCOMMODATE ALL DUCT MOUNTED ACCESSORIES AND EQUIPMENT. REFER TO MANUFACTURER'S DATA FOR ALL CONNECTION SIZES.
13. LOCATIONS OF FIRE AND FIRE/SMOKE DAMPERS ARE PROVIDED AS REQUIRED FOR DUCTWORK LAYOUT SHOWN. PROVIDE ADDITIONAL DAMPERS AS REQUIRED BY GOVERNING AUTHORITY AND AS REQUIRED SHOULD DUCTWORK LAYOUT CHANGE.
14. WHEN ALL CONSTRUCTION IS COMPLETE, INSTALL NEW, CLEAN FILTERS IN AIR HANDLING EQUIPMENT SERVING THE CONSTRUCTION AREA.
15. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS, GRILLES, ETC.
16. RUN ALL DUCTS LEVEL UNLESS OTHERWISE NOTED.
17. DUCT SIZES SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. INSTALLED DIMENSIONS SHALL NOT BE SMALLER

    INTERNAL LINER, WHERE ALLOWED SHALL NOT BE INSTALLED DOWNSTREAM OF FINAL FILTERS.
18. RUN OUT DUCT TO AIR DEVICES SHALL BE THE SAME SIZE AS THE AIR DEVICE NECK, UNLESS OTHERWISE NOTED. BALANCING DAMPERS ARE REQUIRED FOR ALL INDIVIDUAL DEVICE CONNECTIONS. BALANCE DAMPERS SHALL BE LOCATED AT THE ORIGIN OF THE INDIVIDUAL BRANCH CONNECTION.
19. FLEXIBLE RUNOUTS TO DIFFUSERS AND GRILLES TO BE MAXIMUM OF 8 FEET IN LENGTH. FLEX SHALL BE STRETCHED STRAIGHT WITHOUT SAGS. PROVIDE HANGER AT MID–POINT. USE NYLON STRAP TO FASTEN INNER SLEEVE TO TAKE–OFF. DUCT TAPE IS NOT ACCEPTABLE.
20. DUCT TAPE IS NOT ACCEPTABLE FOR VAPOR BARRIER SEAMS.
21. OFFSET DUCTS INTO JOIST SPACE FOR CLEARANCE WHERE SPACE ABOVE CLG. IS NOT SUFFICIENT FOR DUCTS TO CROSS OTHER DUCTS OR WORK OF OTHER CONTRACTORS.
22. INSTALL BALANCING DAMPERS. AS SHOWN AND AS REQ'D. FOR PROPER BALANCING OF AIR HANDLING SYSTEMS.
23. PROVIDE AIRTIGHT A.D. IN DUCTS ADJACENT TO ALL AUTOMATIC DAMPERS TEMPERATURE CONTROL DEVICES, FIRE DAMPERS AND SMOKE DAMPERS.
24. MAINTAIN MINIMUM 10'–0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
25. SUPPORT ALL STEEL PIPE AT INTERVALS OF NOT MORE THAN 10'–0", COPPER PIPE AT INTERVALS OF NOT MORE THAN 8'–0".
26. PROVIDE DEEP SEAL P–TRAP AT THE CONDENSATE DRAIN OF COOLING COILS. MINIMUM REQUIREMENTS FOR THE CONDENSATE DRAIN TYPE "M" COPPER. SIZE SHALL BE SAME SIZE AS EQUIPMENT DRAIN CONNECTION, BUT NOT LESS THAN 3/4". ROUTE INDIVIDUALLY OR COLLECT INTO COMMON PIPE FOR DISCHARGE TO THE NEAREST FLOOR DRAIN, MOP SINK OR OTHER APPROVED LOCATION. MAY BE ROUTED ABOVE CEILING WITH SPECIFIED INSULATION.
27. INSTALL CONTROL DEVICES AS REQUIRED ON ALL UNITS. VERIFY ALL EQUIPMENT IS FUNCTIONAL AND PROPER BALANCE IS ACHIEVED BEFORE COMPLETION.
28. PROVIDE ALL CONTROLS AND CONTROLLERS, INCLUDING STARTERS AND CONTRACTORS, NECESSARY FOR A COMPLETE AND OPERATIONAL HVAC SYSTEM. INCLUDE ALL ELECTRICAL WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR POWER SOURCE CONNECTIONS.
29. BEFORE ORDERING ANY EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR

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CENTRAL
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PROJECT MANAGER
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SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

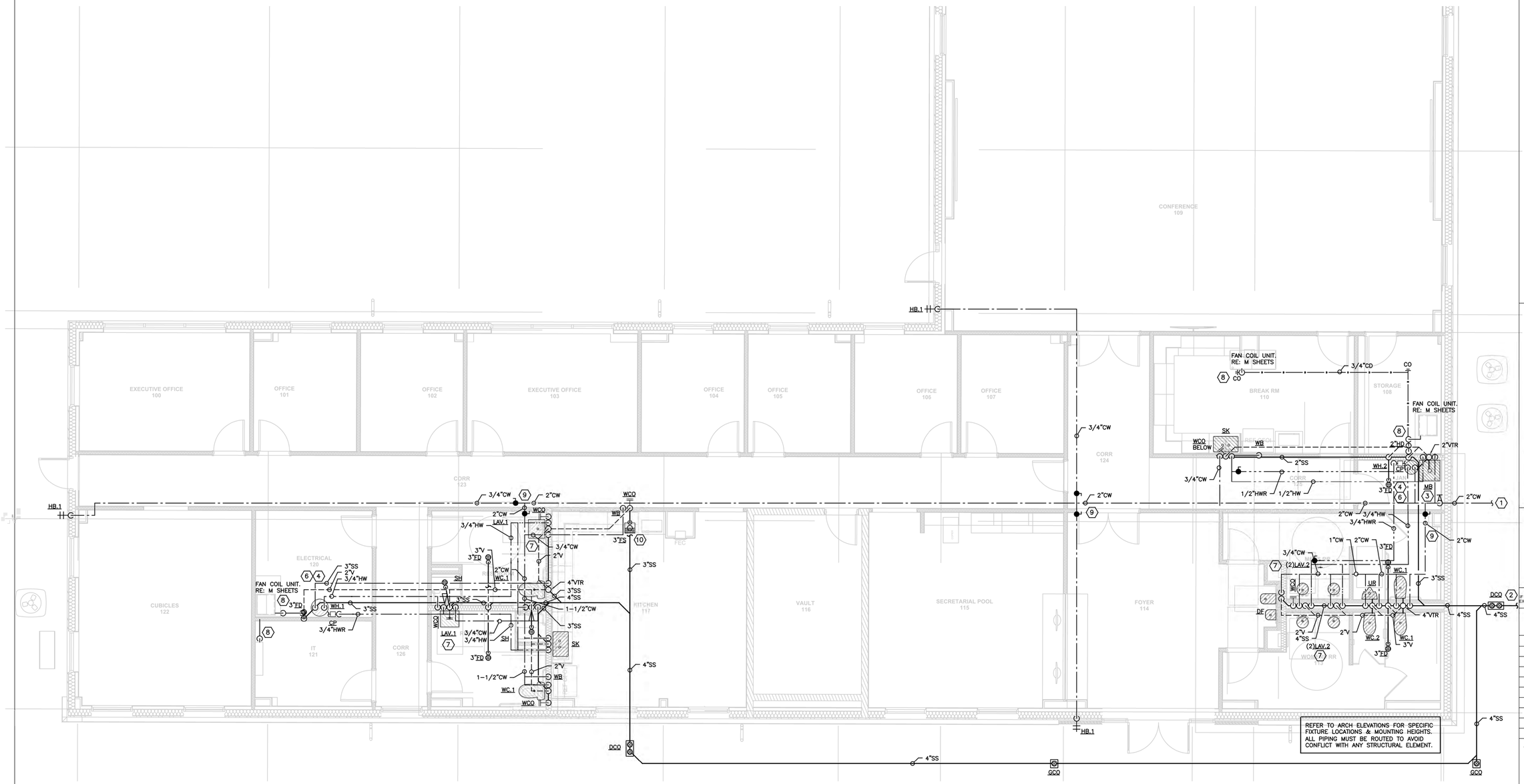
SHEET NUMBER
M301

NOTES BY SYMBOL: "⬡"

1. CONNECT TO SITE WATER LINE. RE: CIVIL PLANS FOR CONTINUATION CONTRACTOR TO VERIFY EXACT LOCATION AND TO INSURE THAT EXISTING WATER LINES ARE ADEQUATE SIZE AND IN GOOD CONDITION FOR USE IN THIS INSTALLATION. VERIFY REQUIREMENTS WITH LOCAL AHJ.
2. CONNECT TO SITE SEPTIC SEWER SYSTEM. RE: CIVIL PLANS FOR CONTINUATION. CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION. VERIFY REQUIREMENTS WITH LOCAL AHJ.
3. FURNISH AND INSTALL BALL TYPE ISOLATION VALVE AND HOSE BIBB AT 24" ABOVE FLOOR.
4. FLOOR MOUNTED WATER HEATER RE: P2 FOR SCHEDULE AND FOR WATER HEATER INSTALLATION DETAIL.
5. WALL MOUNTED ELECTRIC WATER HEATER INSTALLED ABOVE MOP BASIN SHOWN TO THE SIDE FOR CLARITY RE: P2 FOR SCHEDULE AND DETAIL. INSTALL PER MANUFACTURES RECOMMENDATIONS.
6. T&P DRAIN ROUTED TO FLOOR DRAIN. TERMINATE IN ACCORDANCE WITH LOCAL CODE.
7. 1/2" HW & CW PIPING TO FIXTURE. ROUTE IN WALL, ABOVE CEILING. VERIFY ROUGH-IN LOCATION AND REQUIREMENTS WITH FIXTURE MANUFACTURER. INSTALL ASSE 1070 MIXING VALVE AT EACH LAVATORY.
8. 3/4" CONDENSATE DRAIN ROUTED FROM FACTORY CONDENSATE ATTACHMENT POINT TO APPROVED DRAINAGE LOCATION. PROVIDE P-TRAP.
9. INSTALL BRANCH LINE ISOLATION VALVES.
10. INDIRECT WASTE ROUTED TO FS.

SPECIAL NOTE

1. REFER TO SPECIFICATION SECTION 15430 & 15440 FOR FIXTURE SPECIFICATIONS.
2. FIXTURE MOUNTING HEIGHTS SHALL BE COMPLIANT WITH ALL FEDERAL AND STATE ACCESSIBILITY REQUIREMENTS.
3. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ELEVATIONS RELATIVE TO FIXTURE MOUNTING REQUIREMENTS.
4. UNLESS OTHERWISE SHOWN ON DWGS., THIS CONTR. SHALL BE RESPONSIBLE FOR SIZING DOMESTIC WATER PIPING IN CHASES, ETC. TO INDIVIDUAL FIXTURES. WHEN PIPING SERVES FLUSH VALVES, COLD WATER PIPE SHALL EXTEND FULL SIZE TO END OF PIPE CHASE RUN AND A SHOCK ABSORBER INSTALLED. ALL PIPE SHALL BE SIZED ACCORDING WITH THE FIXTURE UNIT CRITERIA ESTABLISHED IN THE CURRENT PLUMBING CODE.
5. MAINTAIN MINIMUM 10'-0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
6. PIPING LOCATION SHOWN FOR CLARITY, ALL NEW PIPING SHALL BE INSTALLED TO AVOID INTERFERENCE WITH ANY STRUCTURAL ELEMENTS.
7. EACH HAND WASHING LAVATORY OR SINK SHALL BE EQUIPPED WITH AN ASSE 1070 MIXING VALVE.
8. SINGLE TEMPERATURE SHOWERS SHALL BE SERVED BY ASSE 1069 MIXING VALVES.



N

1 FLOOR PLAN - PLUMBING

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

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SHEET REVISION HISTORY

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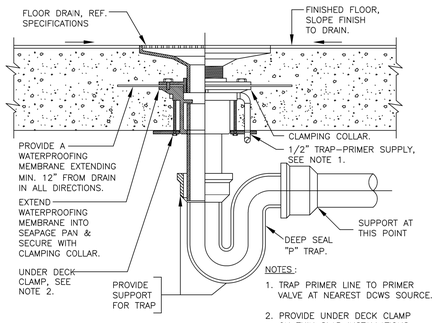
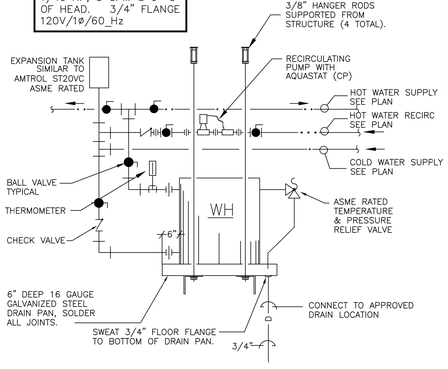


1 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE

RECIRCULATING PUMP (CP)
TACO NO. 006 BC4-I
1/40 HP, 5 GPM @ 6'-0" OF HEAD. 3/4" FLANGE
120V/1ø/60_Hz



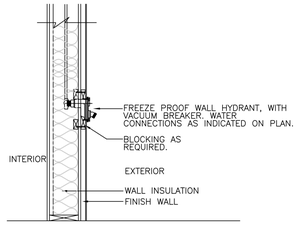
2 ELECTRIC WATER HEATER DETAIL
SCALE: NOT TO SCALE

MAY BE SUPPORTED BY WALL BRACKET WITH SIMILAR COMPONENTS

WATER HEATER SCHEDULE

MARK	DESCRIPTION	TYPE	INPUT KW	USABLE GAL	RECOVERY GPH @ 70°F RISE	MOUNTING	MANUFACTURER	NAME	MODEL NO.	NOTES
WH.1	WATER HEATER	ELEC	3.0	7.0	18.0	WALL	BRADFORD WHITE	ELECTRIFLEX LD	LE110U3-1	1,2
WH.2	WATER HEATER	ELEC	3.5	25	20.0	WALL	BRADFORD WHITE	ELECTRIFLEX LD	LE340S3-3	1,2

NOTES:
1. 120V/1ø/60Hz.
2. PROVIDE A TOTAL OF (1) ONE UNIT.



3 HOSE BIB CONNECTION DETAIL
SCALE: NOT TO SCALE

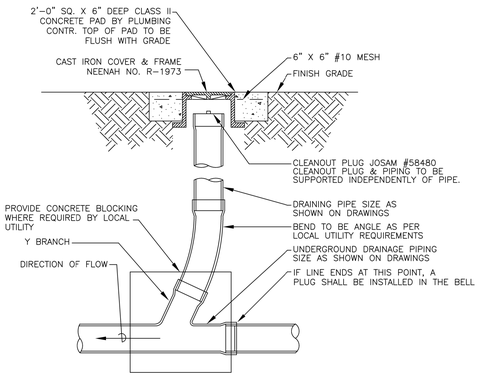
WSFU CALCULATIONS

FIXTURES PLAN MARK	DESCRIPTION	QUANTITY	WSFU LOADS COLD	HOT	TOTAL	TOTALS
WC	FLUSH VALVE WC	5	10.0	–	10.0	50.0
UR	FLUSH VALVE UR	1	5.0	–	5.0	5.0
LAV	LAVATORY	6	0.5	0.5	0.7	4.2
MB	MOP BASIN	1	1.0	1.0	1.4	1.4
HB	HOSE BIBB	3	3.0	–	3.0	9.0
EWC	DRINKING FOUNTAIN	1	0.25	–	0.25	0.25
SK	SINK	2	1.0	1.0	1.4	4.8
SH	SHOWER	2	3.0	3.0	4.0	8.0
WB	WALL BOX	3	0.25	–	0.25	0.75
TOTAL WSFU						83.4

WSFU CALCULATIONS PER 2015 IPC TABLE
E103.3(2) LOAD VALVES ASSIGNED TO FIXTURES

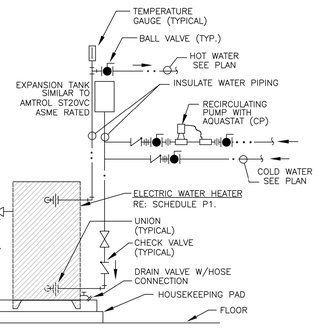
PLUMBING GENERAL NOTES

1. ALL PIPING SHOWN IS ABOVE CEILING OR TIGHT TO BOTTOM OF SUPPORT STRUCTURE WHERE STRUCTURE IS EXPOSED, UNLESS OTHERWISE NOTED.
2. SECURE AND VERIFY ALL MEASUREMENTS AND CONDITIONS AT JOB BEFORE PROCEEDING WITH FABRICATION OF WORK.
3. PROVIDE ALL ADDITIONAL STEEL, HANGER MATERIALS, RODS & CLAMPS AS REQUIRED FOR COORDINATION W/ WORK OF OTHER TRADES.
4. THE CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AT ALL PENETRATIONS OF FIRE AND SMOKE RATED STRUCTURES, FLOORS AND PARTITIONS. REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCATIONS OF ALL RATED STRUCTURES.
5. PIPING LAYOUT IS ONLY SCHEMATIC, EXACT LOCATION OF PIPES TO BE COORDINATED WITH BUILDING STRUCTURE AND WORK OF OTHER CONTRACTORS.
6. CONCEAL PIPING WHENEVER POSSIBLE UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PLUMBING IN AREA OF RENOVATION PRIOR TO BIDDING AND CONSTRUCTION.
8. RUN ALL PIPING LEVEL EXCEPT FOR THE SLOPES REQUIRED FOR DRAINAGE AND VENTING..
9. COORDINATE EXACT LOCATION OF FLOOR AND HUB DRAINS FOR KITCHEN EQUIPMENT WITH KITCHEN CONTRACTOR AND HUB DRAIN FOR CONDENSATE WITH ARCHITECT.
10. SUPPORT CAST IRON SAN. AND STORM PIPING NOT IN EARTH, ON 5'-0" CENTERS, ALL STEEL PIPING ON 10'-0" CENTERS, COPPER PIPING ON 8'-0" CENTERS.
11. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL PLUMBING CODE.
12. PROVIDE CLEANOUTS AT BASE OF ALL STORM DOWNSPOUTS AND SAN STACKS.
13. PROVIDE CLEANOUTS AT NOT MORE THAN 50 FT. APART IN HORIZONTAL STORM & SAN. DRAINAGE LINES 4" SIZE OR LESS, AND NOT MORE THAN 100 FT. APART FOR LARGER PIPES.
14. PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION GREATER THAN 45° IN THE BUILDING DRAIN (SANITARY PIPING BELOW FLOOR SLAB).
15. INSTALL TEST CLEANOUTS AT CONNECTIONS TO EXISTING SANITARY SYSTEMS.
16. ALL FIXTURES TO BE EQUIPPED. WITH STOP VALVES IN ACCESSIBLE LOCATION.
17. UNLESS OTHERWISE SHOWN ON DWGS., THIS CONTR. SHALL BE RESPONSIBLE FOR SIZING DOMESTIC WATER PIPING IN CHASES, ETC. TO INDIVIDUAL FIXTURES, WHEN PIPING SERVES FLUSH VALVES, COLD WATER PIPE SHALL EXTEND FULL SIZE TO END OF PIPE CHASE RUN AND A SHOCK ABSORBER INSTALLED. WHEN COLD WATER PIPE IS 2" OR AB. AND SERVES FLUSH VALVES, PIPE MAIN IN CHASE CAN ONLY BE REDUCED TO 1 1/2" SIZE. 1/2" HOT WATER PIPE SHALL SERVE UP TO FOUR (4) LAVS. OTHER PIPE SIZING CRITERIA SHALL BE AS OUTLINED IN "ASHRAE 1989 FUNDAMENTALS HANDBOOK".
18. NO LIQUID TRANSMISSION PLBG. UTILITY PIPING IS TO RUN AB. ELEC. SWITCHGEAR OR PANELS. MAKE ADJUSTMENTS NECESSARY TO REROUTE PIPING FOR ACTUAL INSTALLATION OF ELEC. EQUIP.
19. NO LIQUID TRANSMISSION PLBG. UTILITY PIPING IS TO RUN THRU OR AB. ELEC. UTILITY, TELE. EQUIP. OR ELEVATOR MACHINE RM'S, OR CLOSETS (INCLUDING ELEVATOR SHAFTS), EXCEPT FOR PIPING SERVING EQUIP. OR DEVICES FOR THAT SPECIFIC AREA. PROVIDE DRIP PANS BELOW ANY LIQUID TRANSMISSION PIPING THAT IS REQ'D. IN THESE AREAS.

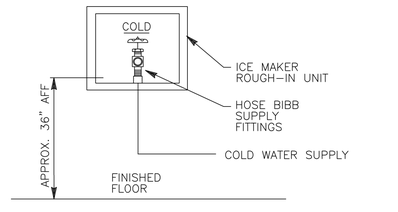


4 GRADE CLEANOUT DETAIL (DOUBLE SIMILAR)
SCALE: NOT TO SCALE

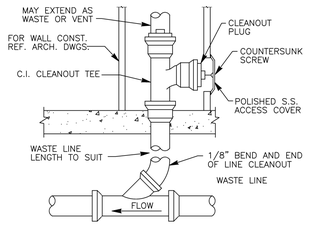
RECIRCULATING PUMP
BELL & GOSSET NO. 100
1/12 HP, 10 GPM @ 7'-0" OF HEAD 1" FLANGE
120V/1ø/60_Hz



5 ELECTRIC WATER HEATER DETAIL
SCALE: NOT TO SCALE



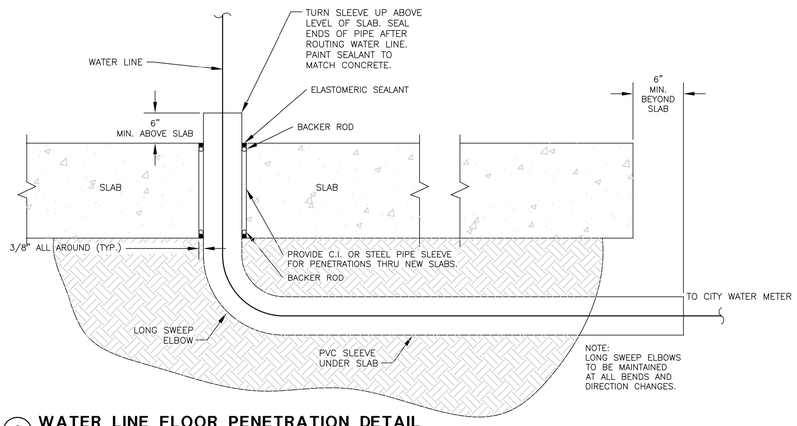
6 ICE MAKER CONNECTION DETAIL (WB.1)
SCALE: NOT TO SCALE



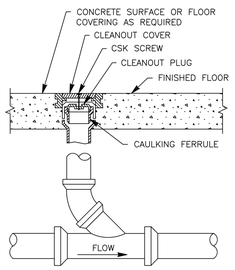
7 WALL CLEANOUT DETAIL
SCALE: NOT TO SCALE

PIPING LEGEND

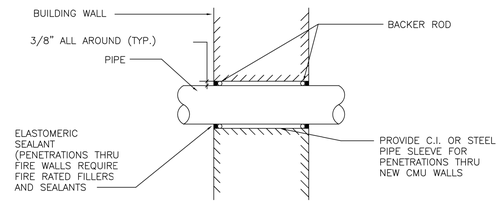
———	SOIL AND/OR WASTE PIPE (SS)
- - - -	VENT PIPE (V)
—·—·—	DOMESTIC COLD WATER SUPPLY (DCWS)
—··—··—	DOMESTIC HOT WATER SUPPLY (DHWS)
——D——	DRAIN LINE (D)
——G——	GAS LINE (G)
FD	FLOOR DRAIN WITH P-TRAP & TRAP PRIMER
HD	HUB DRAIN WITH P-TRAP
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
○	VENT THRU ROOF (VTR)
	BALL VALVE
	GATE VALVE



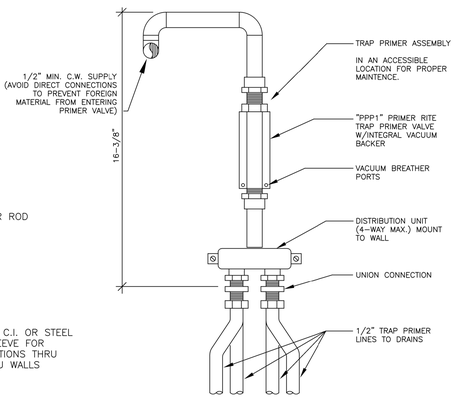
8 WATER LINE FLOOR PENETRATION DETAIL
SCALE: NOT TO SCALE



9 FLOOR CLEANOUT DETAIL
SCALE: NOT TO SCALE



10 PIPE SLEEVE DETAIL
SCALE: NOT TO SCALE



11 TRAP PRIMER VALVE DETAIL
SCALE: NOT TO SCALE

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225 CR 288 Bollinger, TX 76821

1" ACTUAL
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED. AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
P201

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER/MODEL #	VOLTAGE	WATTAGE	LAMPS	REMARKS
A	RECESSED 2'x4' LED TROFFER	LITHONIA *2GTL 4 40L A12125 GZ10 LP835	120	30	LEDS FURNISHED	
A1	SAME AS TYPE 'A' EXCEPT WITH EMERGENCY BATTERY PACK	LITHONIA *2GTL 4 40L A12125 GZ10 LP835 EL7L	120	30	LEDS FURNISHED	
B	RECESSED LED DOWNLIGHT	GOTHAM *EVO6 35/20 AR L66 MWD MVOLT G210	120	20	LEDS FURNISHED	
B1	SAME AS TYPE 'B' EXCEPT WITH EMERGENCY BATTERY PACK	GOTHAM *EVO6 35/20 AR L66 MWD MVOLT G210 EL	120	20	LEDS FURNISHED	
C	WET LOCATION LISTED LED EMERGENCY WALL SCONCE	GARDCO *GCS-A02-T4M-UNV-BK	120	17	LEDS FURNISHED	
D	SURFACE MOUNTED, WET LOCATION LISTED LED FLOOD LIGHT	HYDREL *SAFI4 LED P1 80CRI 40K MVOLT 40DEG CWL KM CWMA12T BL	120	65	LEDS FURNISHED	
E	SURFACE MOUNTED EMERGENCY LED WALL PACK	GARDCO *GCM-B06-840-T4M-UNV-EC-BK	120	30	LEDS FURNISHED	
F	POLE MOUNTED LED AREA LIGHT ON ROUND STEEL POLE	LITHONIA *DSX0 LED P6 40K T4M MVOLT RPA DBLXD POLE: KW INDUSTRIES *RSP 15 4.5 11 BLK DM10 BC	240	127	LEDS FURNISHED	REFER 1/E201 FOR POLE BASE DETAIL. MOUNTING HEIGHT 18'-0"
G	RECESSED LED DOWNLIGHT	LITHONIA *LBR6 ALO2 20LM 40K AR L66 MWD MVOLT	120	25	LEDS FURNISHED	
X	UNIVERSAL MOUNT LED EMERGENCY EXIT SIGN	LITHONIA *EXRG EL M6	120	11	LEDS FURNISHED	

ELECTRICAL SYMBOL LEGEND

NOTE: NOT ALL SYMBOLS APPEAR ON ALL DRAWINGS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	2' x 4' Light Fixture		Flush In Wall Duplex Receptacle
	1' x 4' Light Fixture	GFCI	Flush In Wall Duplex Receptacle - Ground Fault Circuit Interrupt
	Ceiling Mounted Light Fixture	IG	Flush In Wall Duplex Receptacle - Isolated Ground
	Wall Mounted Light Fixture		Flush In Wall Duplex Receptacle Mounted Above Counter
	Ceiling Mounted Strip Light		Flush In Floor Duplex Receptacle
	Wall Mounted Strip Light		Flush In Wall Quadraplex Receptacle
	Crosshatching Denotes Fixture On Emergency Circuit Or With Emergency Battery Pack		Flush In Wall Quadraplex Receptacle Mounted Above Counter
			Flush In Floor Quadraplex Receptacle
	Wall Mounted Dual Head Emergency Egress Light		Single Receptacle
	Wall Mounted Dual Head Emergency Egress Light Remote Head		Special Purpose Flush In Wall Receptacle (Verify NEMA Configuration with Owner)
	Surface Mounted Combination Exit Sign / Dual Head Emergency Egress Light		Flush In Wall Receptacle 220V. (Verify NEMA Configuration with Owner)
	Single Arm Pole Light		Plugmold Receptacle
	Double Arm Pole Light		Wall Mounted Junction Box
	Post Top Mounted Area Light		Ceiling Mounted Junction Box
S_a	Single Pole Switch (Lower Case Letter Denotes Switching Pattern)		Flush In Grade Junction Box
S_3	Three Way Switch	FB	Flush In Grade, Concrete Pull Box W/ Bolt Down Lid
S_4	Four Way Switch	S	Flush Mounted Ceiling Speaker Assembly w/ Back Box, Transformer And Ceiling Baffle (White)
S_D	Dimmer Switch		Weatherproof Outdoor Speaker
S_M	Motor Rated Switch		Plywood Telephone Backboard
S_K	Keyed Switch		Data Outlet (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
S_{PL}	Pilot Light Switch		Floor Mtd. Data Outlet (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
S_{FC}	Variable Speed Fan Control Switch		Telephone Outlet (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
S_{WP}	Weatherproof Switch		Floor Mtd. Telephone Outlet (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
S_{OR}	Manual Over-Ride Switch For Ceiling Mounted Occupancy Sensor	W	Telephone Outlet @ 54" A.F.F. (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
	Wall Mounted 3-Way Occupancy Sensor Light Switch Watt Stopper Model #PW-301 Series	P	Public Telephone Outlet (Provide W/ 1" Conduit W/ Pull String To Point As Indicated On Plans)
	Wall Mounted Occupancy Sensor Light Switch Watt Stopper Model #WA-200		Combination Telephone/ Data Outlet (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
	Ceiling Mounted Occupancy Sensor Light Switch Watt Stopper Model #DT-355 Series		Floor Mtd. Combination Telephone/Data Outlet (Provide W/ ¾" Conduit W/ Pull String To Above Accessible Ceiling)
	Conduit In Ceiling Or Wall (¾" Minimum)	*	Asterisk Denotes Tele/Data Device Mounted Above Counter
	Conduit In Or Under Floor / Grade (¾" Minimum)		Exit - Single Direction Indication - Ceiling Mounted
	Homerun To Panelboard In Ceiling Or Wall (¾" Minimum)		Exit - Bi-Directional Indication - Ceiling Mounted
	Homerun To Panelboard In Or Under Floor / Grade (¾" Min.)		Exit - Single Direction Indication - Wall Mounted
	Wire Run Indicating Ground Wire, Phase And Neutral Conductors		Exit - Bi-Directional Indication - Wall Mounted
	CCTV Raceway, 1" Conduit Minimum W/ Pull String		Exit Directional Arrow - Single
	Telephone Raceway, 1" Conduit Minimum W/ Pull String		Exit Directional Arrow - Double
OHE	Overhead Power Line		Space Smoke Detector - Ceiling Mounted
	Power Pole		Space Smoke Detector - Duct Mounted
	Combination Motor Starter / Disconnect Switch		Space Heat Detector - Ceiling Mounted
	Non-Fused Disconnect Switch (NFS)		Photocell
	Fused Disconnect Switch (FDS)		Timeclock
	Variable Frequency Drive (VFD)		Fire Alarm Manual Pull Station
	Transformer		Fire Alarm Horn Only
	Motor	15cd	Fire Alarm Horn / Strobe (Number Denotes Strobe Intensity Measured In Candelas)
	Main Panel Or Distribution Panel	15cd	Fire Alarm Strobe Only (Number Denotes Strobe Intensity Measured In Candelas)
	Surface Mounted Branch Circuit Panel		Horn
	Flush Mounted Branch Circuit Panel		Card Reader
FACP	Fire Alarm Control Panel		Television Outlet
FS	Fire Sprinkler System Flow Switch	WP	Denotes Weatherproof
TS	Fire Sprinkler System Tamper Switch		

SYMBOL NOTES:

1. ALL DEVICES, SWITCHES, OUTLETS, ETC. SHALL BE MOUNTED AT THE HEIGHTS ESTABLISHED IN THE AMERICANS WITH DISABILITIES ACT (ADA), TEXAS ACCESSIBILITY STANDARDS (TAS) AND ANY LOCAL CODES. IF ADA, TAS AND OTHER CODES HAVE CONFLICTING DATA, CONTRACTOR WILL DEFER TO THE MORE STRINGENT OF THE CODES.
2. ALL TELEPHONE, DATA, TELEVISION, SECURITY, POS AND JUNCTION BOXES SHALL BE INSTALLED WITH A ¾" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING, UNLESS INDICATED OR NOTED OTHERWISE.

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JIM D. DALLAS
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PROFESSIONAL ENGINEER
07/17/2025

1" ACTUAL

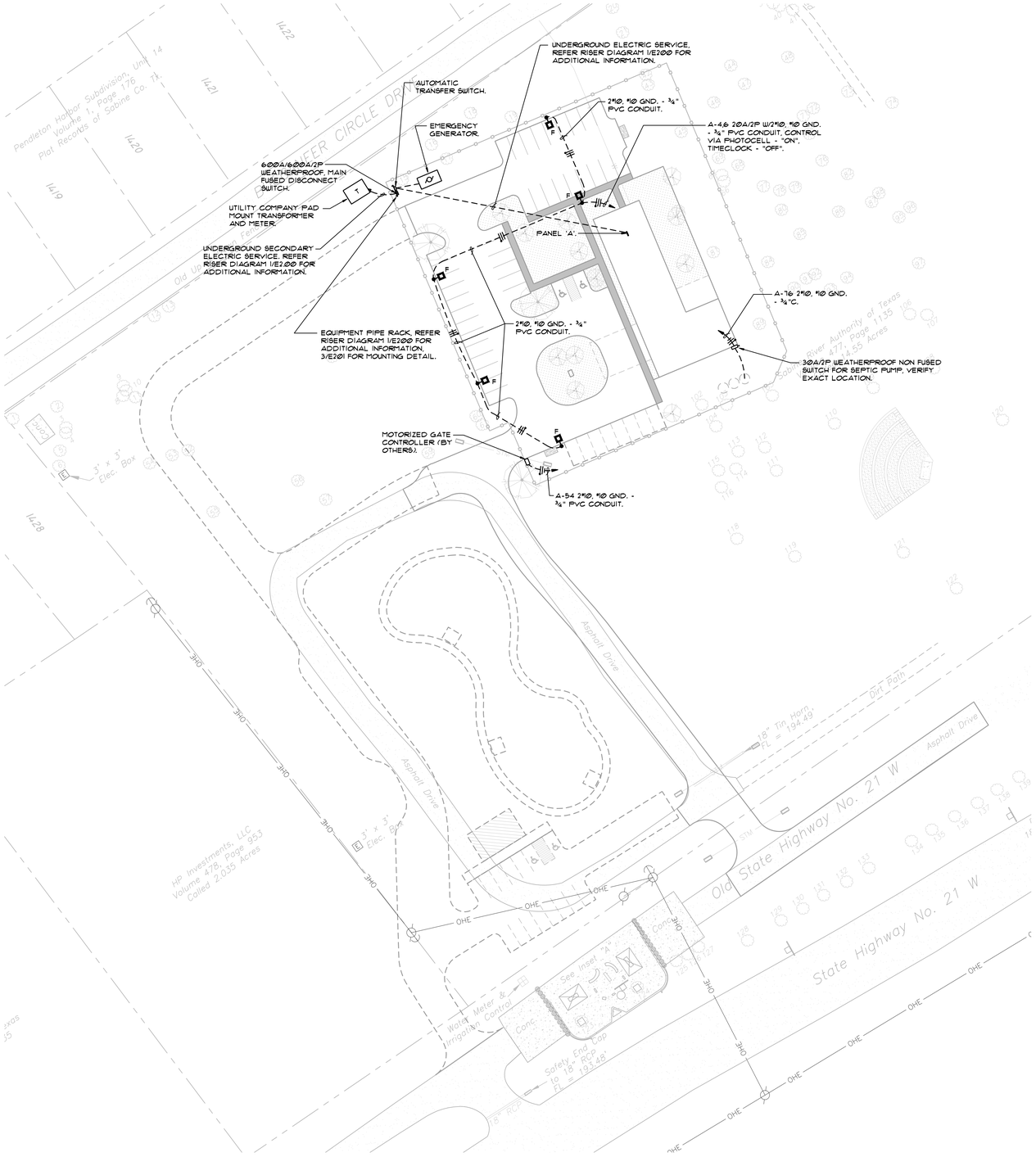
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER 21.095
DATE 7/17/25

SHEET NUMBER
E000
ELECTRICAL SYMBOL LEGEND



N

1 SITE PLAN - ELECTRICAL

SCALE: 1"=40'-0"

UTILITY CONTACTS

Deep East Texas Electric Co-Op

Mr. Ty Tamplin
(936) 229-3949

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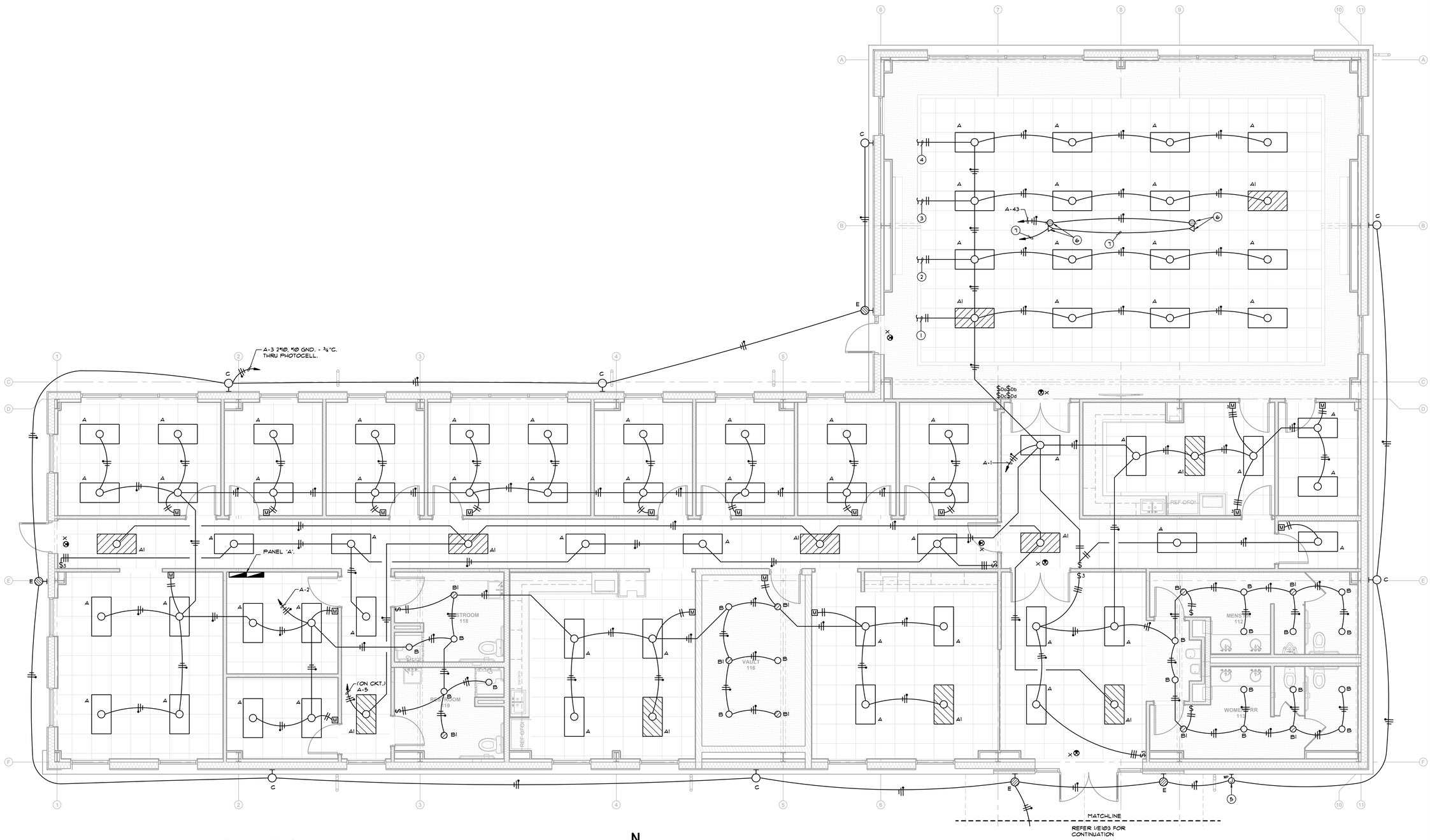
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
E100
SITE PLAN - ELECTRICAL



LIGHTING PLAN GENERAL NOTES

1. CONNECT ALL TYPE 'X' EMERGENCY EXIT SIGNS TO CIRCUIT A-5 WITH 2#12, #12 GND. - ¾"C.
2. CONNECT ALL EMERGENCY BATTERY PACKS TO "LINE SIDE" OF FIXTURE CONTROL DEVICE FOR CONSTANT "HOT" TO BATTERY PACKS.

LIGHTING PLAN NOTES BY SYMBOL '○'

1. TO DIMMER SWITCH 'a'.
2. TO DIMMER SWITCH 'b'.
3. TO DIMMER SWITCH 'c'.
4. TO DIMMER SWITCH 'd'.
5. WEATHERPROOF JUNCTION BOX FOR ILLUMINATED SIGN. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER.
6. PROVIDE RECEPTACLE AND DATA OUTLET FLUSH IN ACOUSTICAL CEILING FOR PROJECTOR.
7. ¾" EMPTY CONDUIT WITH PULL STRING TO I.T. ROOM #121, VERIFY POINT OF TERMINATION WITH OWNER.

1 FLOOR PLAN - LIGHTING

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

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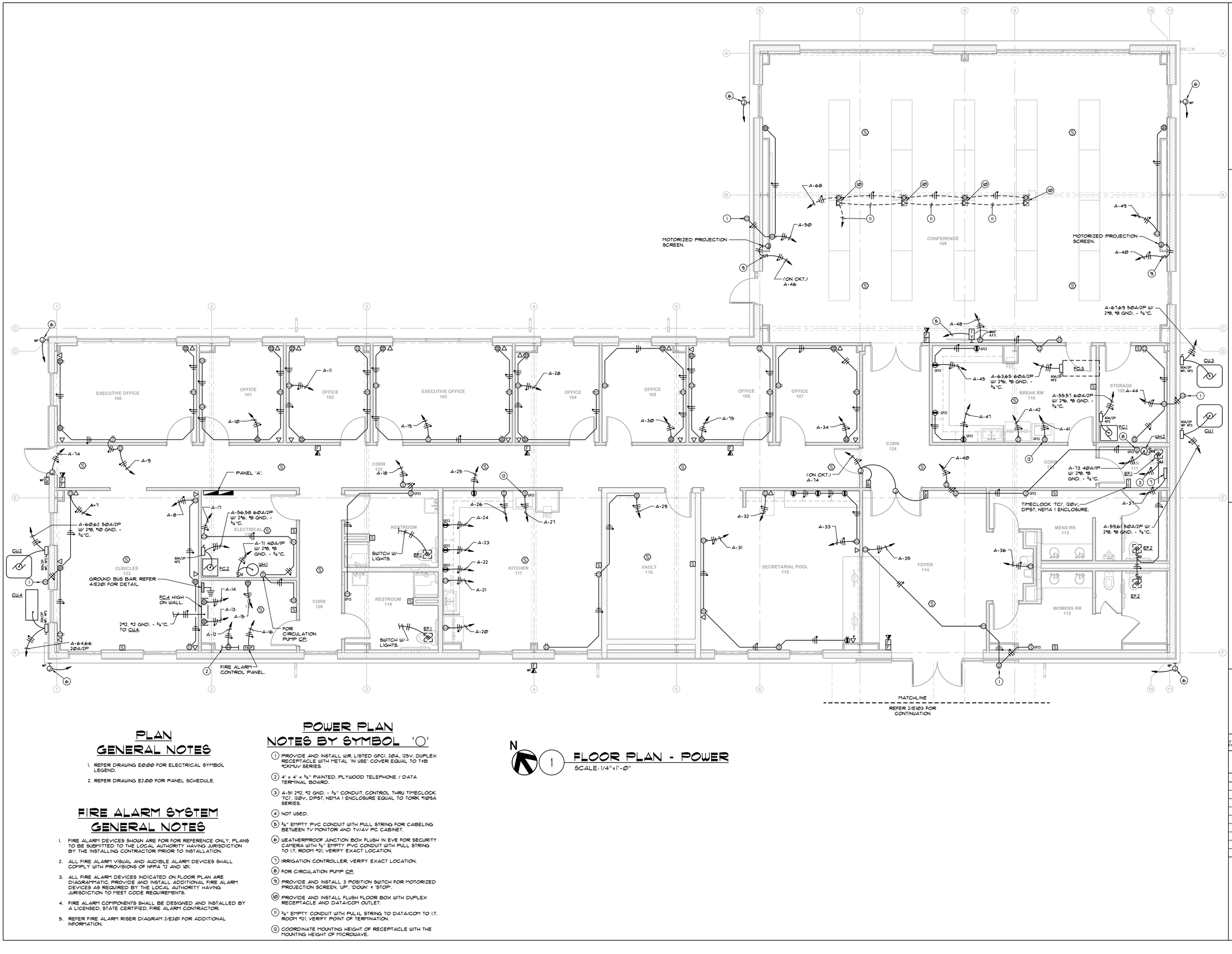
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
E101
FLOOR PLAN - LIGHTING



PLAN GENERAL NOTES

1. REFER DRAWING E0.00 FOR ELECTRICAL SYMBOL LEGEND.
2. REFER DRAWING E2.00 FOR PANEL SCHEDULE.

FIRE ALARM SYSTEM GENERAL NOTES

1. FIRE ALARM DEVICES SHOWN ARE FOR FOR REFERENCE ONLY. PLANS TO BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION BY THE INSTALLING CONTRACTOR PRIOR TO INSTALLATION.
2. ALL FIRE ALARM VISUAL AND AUDIBLE ALARM DEVICES SHALL COMPLY WITH PROVISIONS OF NFPA 72 AND 101.
3. ALL FIRE ALARM DEVICES INDICATED ON FLOOR PLAN ARE DIAGRAMMATIC. PROVIDE AND INSTALL ADDITIONAL FIRE ALARM DEVICES AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION TO MEET CODE REQUIREMENTS.
4. FIRE ALARM COMPONENTS SHALL BE DESIGNED AND INSTALLED BY A LICENSED, STATE CERTIFIED, FIRE ALARM CONTRACTOR.
5. REFER FIRE ALARM RISER DIAGRAM 2/E201 FOR ADDITIONAL INFORMATION.

POWER PLAN NOTES BY SYMBOL '◯'

1. PROVIDE AND INSTALL WR. LISTED GFCI, 20A., 125V. DUPLEX RECEPTACLE WITH METAL 'IN USE' COVER EQUAL TO T+B "CKMUV SERIES.
2. 4' x 4' x ¾" PAINTED, PLYWOOD TELEPHONE / DATA TERMINAL BOARD.
3. A-51 2#12, #12 GND. - ¾" CONDUIT, CONTROL THRU TIMECLOCK 'TC1', 120V., DPST, NEMA 1 ENCLOSURE EQUAL TO TORK #1109A SERIES.
4. NOT USED.
5. ¾" EMPTY PVC CONDUIT WITH PULL STRING FOR CABELING BETWEEN TV MONITOR AND TV/AV PC CABINET.
6. WEATHERPROOF JUNCTION BOX FLUSH IN EVE FOR SECURITY CAMERA WITH ¾" EMPTY PVC CONDUIT WITH PULL STRING TO I.T. ROOM #121, VERIFY EXACT LOCATION.
7. IRRIGATION CONTROLLER, VERIFY EXACT LOCATION.
8. FOR CIRCULATION PUMP CP.
9. PROVIDE AND INSTALL 3 POSITION SWITCH FOR MOTORIZED PROJECTION SCREEN, 'UP', 'DOUN' & 'STOP'.
10. PROVIDE AND INSTALL FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE AND DATA/COM OUTLET.
11. ¾" EMPTY CONDUIT WITH PULL STRING TO DATA/COM TO I.T. ROOM #121, VERIFY POINT OF TERMINATION.
12. COORDINATE MOUNTING HEIGHT OF RECEPTACLE WITH THE MOUNTING HEIGHT OF MICROWAVE.

N

1 FLOOR PLAN - POWER

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

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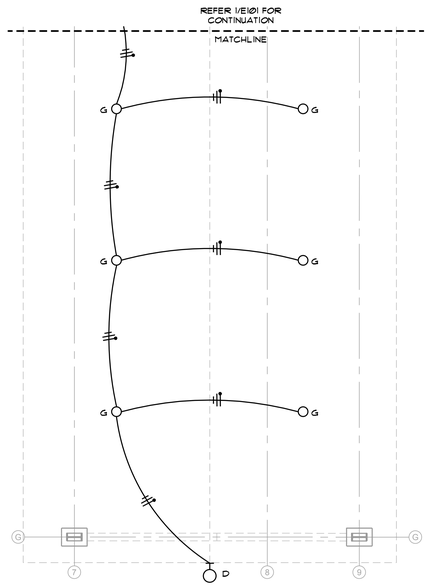
PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095** DATE **7/17/25**

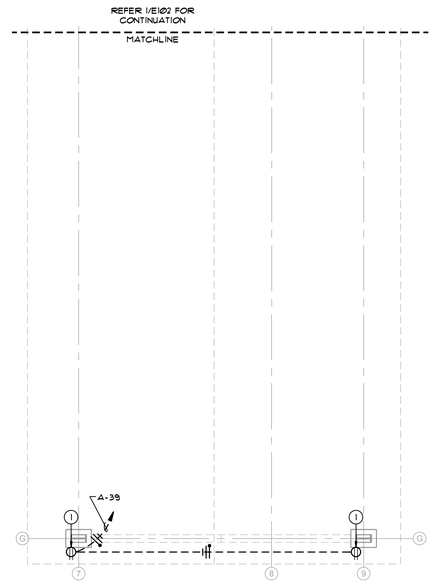
SHEET NUMBER
E102
FLOOR PLAN - POWER



N

1 PARTIAL PLAN - LIGHTING

SCALE: 1/4" = 1'-Ø"



N

1 PARTIAL PLAN - POWER

SCALE: 1/4" = 1'-Ø"

ELECTRICAL PLANS GENERAL NOTES

1. REFER DRAWING E0.00 FOR ELECTRICAL SYMBOL LEGEND.
2. REFER DRAWING E2.00 FOR PANEL SCHEDULE.

POWER PLAN NOTES BY SYMBOL '◯'

(1) PROVIDE AND INSTALL WR. LISTED GFCI, 20A., 125V. DUPLEX RECEPTACLE WITH METAL 'IN USE' COVER EQUAL TO T48 *CKMUV SERIES.

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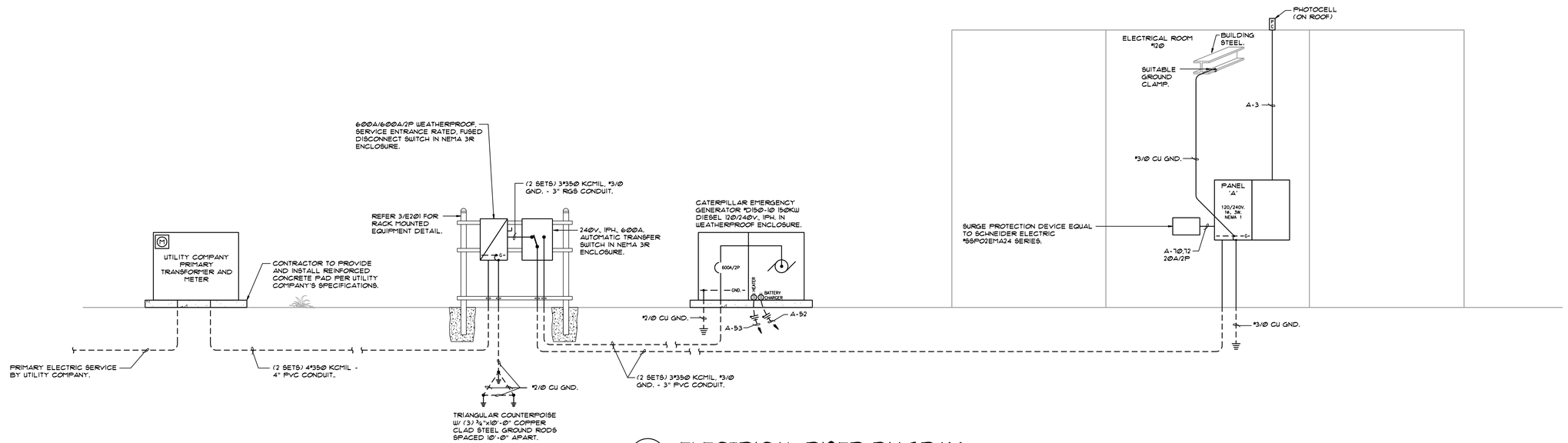
SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
E103
PARTIAL PLANS - ELECTRICAL



1 **ELECTRICAL RISER DIAGRAM**
SCALE: NONE

PANEL 'A'

NOTES	DESCRIPTION	P - AMP	LOAD LIGHTING	LOAD POWER	PH / CKT #	LOAD POWER	LOAD LIGHTING	P - AMP	DESCRIPTION	NOTES
	Lighting	1 - 20	1400		1 A 2		1320	1 - 20	Lighting	
	Exterior Bldg. Lights	1 - 20	437		3 B 4		317	2 / 20	Parking Lot Lighting	
	Emerg, Nite Lts, Exit Signs	1 - 20	216		5 A 6		317			
	Recpts. Cubicles *122	1 - 20		900	7 B 8	540		1 - 20	Recpts. Cubicles *122	
	Recpts. Exec. Off. *100	1 - 20		1440	9 A 10	1260		1 - 20	Recpts. Office *101	
	Recpts. Office *102	1 - 20		1440	11 B 12	400		1 - 20	I.T. *121 Terminal Board	
	I.T. *121 Quad Recpt.	1 - 20		1200	13 A 14	1200		1 - 20	I.T. *121 Quad Recpt.	
	I.T. *121 Quad Recpt.	1 - 20		1200	15 B 16	1200		1 - 20	Fire Alarm Control Panel	
	Recpts. Electrical Rm. *120	1 - 20		900	17 A 18	540		1 - 20	Recepts. RR *118 & *119	
	Recpts. Exec. Off. *103	1 - 20		1620	19 B 20	800		1 - 20	Refrigerator Kitchen *117	1
1	Dishwasher	1 - 20		600	21 A 22	1200		1 - 20	Cntr. Recpt. Kitchen *117	
	Cntr. Recpt. Kitchen *117	1 - 20		1200	23 B 24	1200		1 - 20	Cntr. Recpt. Kitchen *117	
	Cntr. Recpt. Kitchen *117	1 - 20		1200	25 A 26	900		1 - 20	Ice Maker	1
	Microwave Kitchen *117	1 - 20		1200	27 B 28	720		1 - 20	Recpts. Office *104	
	Recpts. Kit. *117 & Vault *116	1 - 20		540	29 A 30	720		1 - 20	Recpts. Office *105	
	Recpts. Sec. Pool *115	1 - 20		720	31 B 32	1500		1 - 20	Copier	
	Recpts. Sec. Pool *115	1 - 20		720	33 A 34	720		1 - 20	Recpts. Office *107	
	Recpts. Foyer *114	1 - 20		720	35 B 36	800		1 - 20	EWC	1
	Irrigation Controller	1 - 20		600	37 A 38	-----	-----	1 - 20	Spare	
	Recpts. Canopy Columns	1 - 20		360	39 B 40	1080		1 - 20	Recepts' Foyer *114	
	Microwave Break Rm. *110	1 - 20		1200	41 A 42	800		1 - 20	Refrigerator Break Rm *110	1
	Cntr. Recpt. Break Rm. *110	1 - 20		1200	43 B 44	1200		1 - 20	Cntr. Recpt. Break Rm. *110	
	Cntr. Recpt. Break Rm. *110	1 - 20		1200	45 A 46	1200		1 - 20	Cntr. Recpt. Break Rm. *110	
	Cntr. Recpt. Break Rm. *110	1 - 20		1200	47 B 48	720		1 - 20	Recpts. Conference * 109	
	Recpts. Conference * 109	1 - 20		720	49 A 50	720		1 - 20	Recpts. Conference * 109	
	Exhaust Fans EF1 & (2) EF2	1 - 20		900	51 B 52	400		1 - 20	Generator Battery Charger	
	Generator Heater	1 - 20		800	53 A 54	1600		1 - 20	Motorized Gate	
	Fan Coil FC1	2 / 60		6456	55 B 56	6456		2 / 60	Fan Coil FC2	
				6456	57 A 58	6456				
	Condensing Unit CU1	2 / 50		4020	59 B 60	4020		2 / 50	Condensing Unit CU2	
				4020	61 A 62	4020				
	Fan Coil FC3	2 / 60		6456	63 B 64	1416		2 / 20	Condensing Unit CU4 & Fan Coil FC4	
				6456	65 A 66	1416				
	Condensing Unit CU3	2 / 50		4212	67 B 68	540		1 - 20	Flr. Recpts. Conf. *103	
				4212	69 A 70	1100		2 / 20	Surge Protector	
	Water Heater WH1	1 - 40		3000	71 B 72	1100				
	Water Heater WH2	1 - 40		3500	73 A 74	300		1 - 20	Electric Door Access	
	Recpts. Office *106	1 - 20		1260	75 B 76	1320		1 - 20	Septic Pump	
	Space Only	1 - -	-----	-----	77 A 78	-----	-----	1 - -	Space Only	
	Space Only	1 - -	-----	-----	79 B 80	-----	-----	1 - -	Space Only	
	Space Only	1 - -	-----	-----	81 A 82	-----	-----	1 - -	Space Only	
	Space Only	1 - -	-----	-----	83 B 84	-----	-----	1 - -	Space Only	

LOAD SUMMARY	CONN. KW	N.E.C. DIV.	DIV. KW
Lighting	4.0	X 1.25	5.0
Power (A/C) (Water Heaters)	71.5	X 1.0	71.5
Receptacles, (Per NEC 220.44 - 1st 10KVA @ 100% -	10.0	X 1.0	10.0
Remainder @ 50%	43.5	X .05	21.75
TOTALS	129.0		108.25

POLES	84
SIZE	600 AMP
MAINS	600 AMP M.C.B.
VOLTS	120/240V., 1ø, 3W
A.I.C.	10K.
MOUNTING	Surface
ENCLOSURE	NEMA 1
PANEL AMPS	451
NON DIV. LOADS PER PHASE:	
PHASE A (KW)	63.1
PHASE B (KW)	64.9

PROJECT	Pendleton Park - Office Bldg. Hemphill, Texas
PANEL LOCATION:	Electric Rm *120
DATE:	July 2025

NOTES:
1. Provide with GFCI type circuit breaker.

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JOSHUA D. DALLAS
85922
LICENSED
ELECTRICAL
ENGINEER
07/17/2025

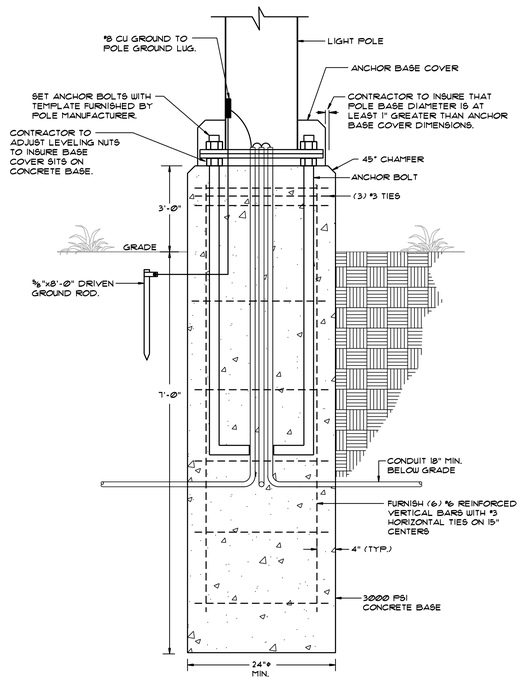
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

PROJECT MANAGER
JOSHUA STEED

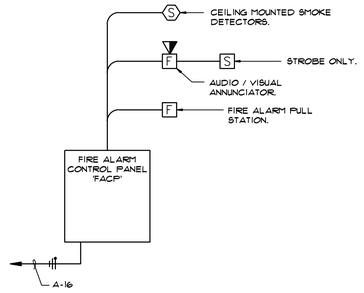
SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
E200
ELECTRICAL DETAILS & SCHEDULES



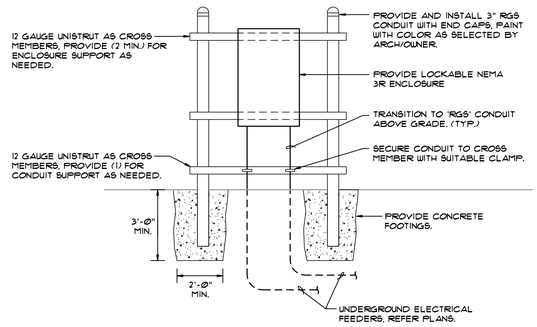
1 FIXTURE TYPE 'F' POLE BASE DETAIL
SCALE: NONE



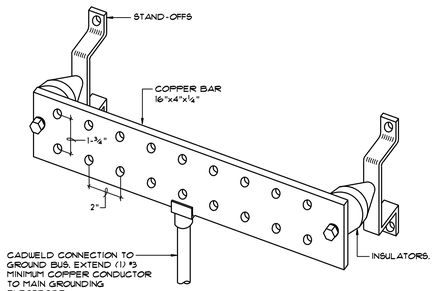
FIRE ALARM NOTES

1. FOR REFERENCE ONLY. PLANS TO BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION BY THE INSTALLING CONTRACTOR PRIOR TO INSTALLATION.
2. ALL FIRE ALARM VISUAL AND AUDIBLE ALARM DEVICES SHALL COMPLY WITH PROVISIONS OF NFPA 72 AND 101.
3. ALL FIRE ALARM DEVICES INDICATED ABOVE AND SHOWN ON FLOOR PLANS ARE DIAGRAMMATIC. PROVIDE AND INSTALL ADDITIONAL FIRE ALARM DEVICES AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION TO MEET CODE REQUIREMENTS.
4. FIRE ALARM COMPONENTS SHALL BE DESIGNED AND INSTALLED BY A LICENSED, STATE CERTIFIED FIRE ALARM CONTRACTOR.

2 FIRE ALARM RISER DIAGRAM
SCALE: NONE



3 EQUIPMENT RACK DETAIL
SCALE: NONE



NOTE:

1. INTERCONNECT ALL GROUND BUS BARS TO THE UNDERGROUND GROUNDING COUNTERPOISE WITH A #3 BARE GROUNDING CONDUCTOR.

4 GROUND BUS DETAIL
SCALE: NONE

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1" ACTUAL
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PROJECT MANAGER
JOSHUA STEED

SHEET REVISION HISTORY

JOB NUMBER **21.095**
DATE **7/17/25**

SHEET NUMBER
E201
ELECTRICAL DETAILS