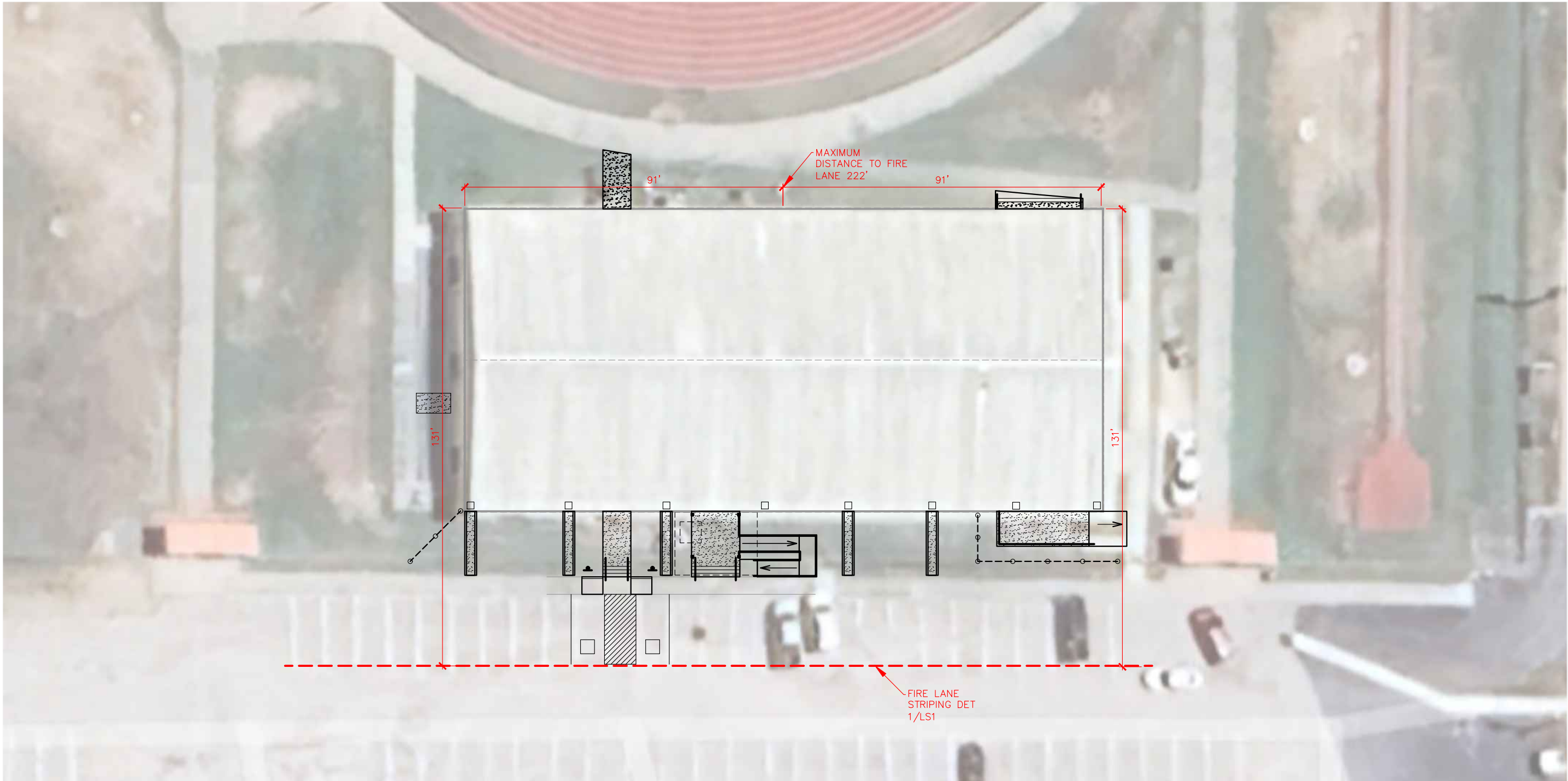


2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX

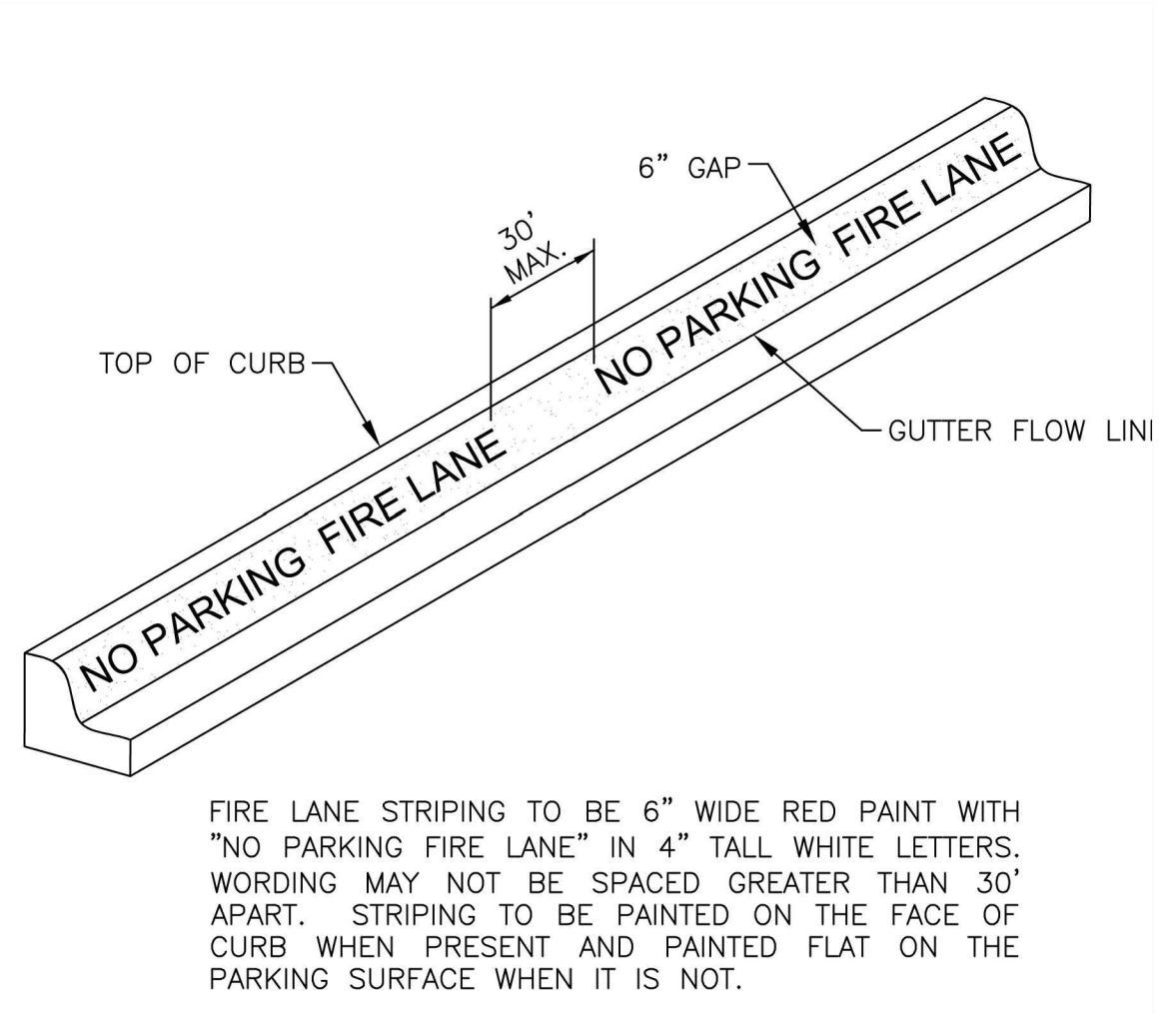


DATE:	8/14/25
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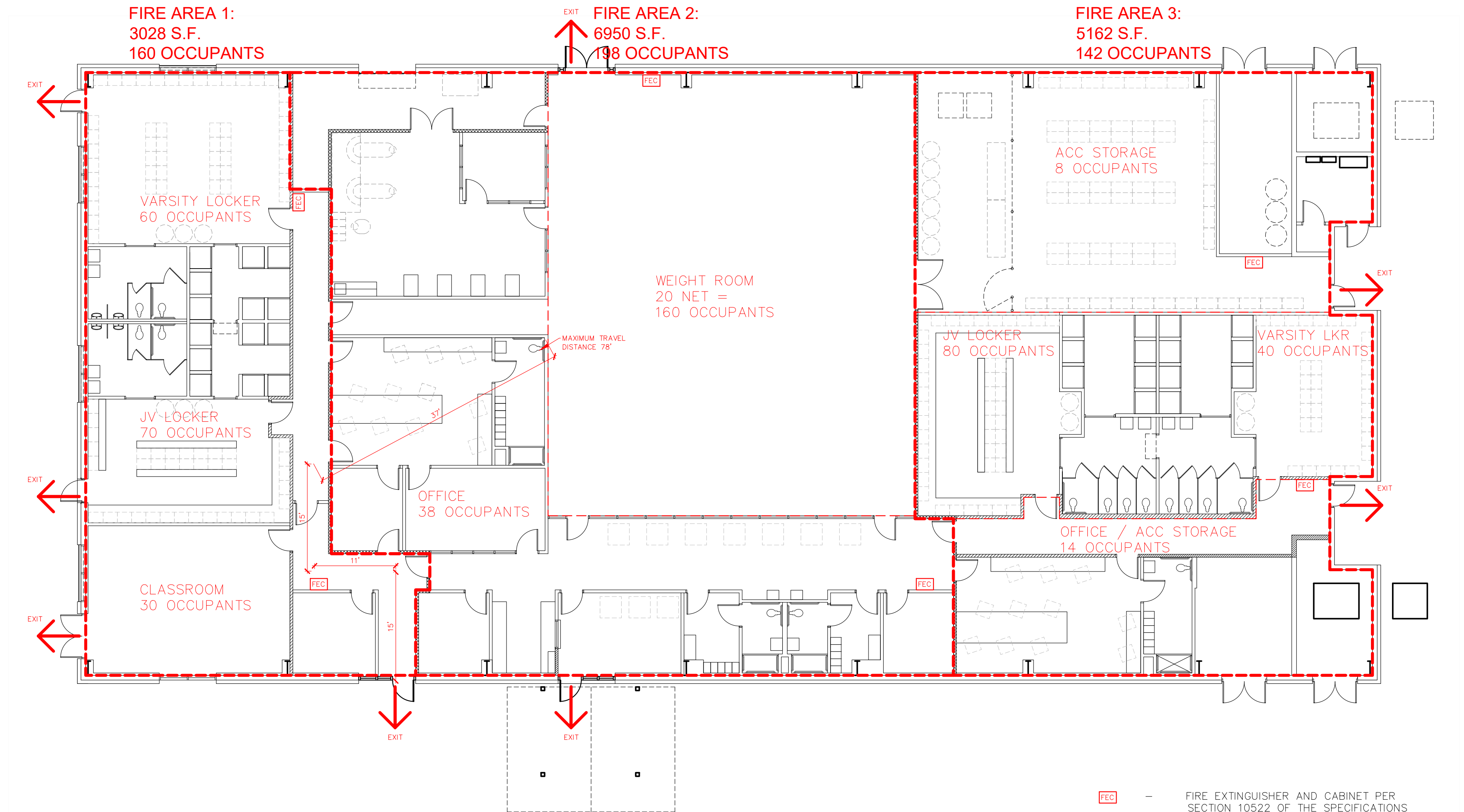
SHEET:
LS1



LIFE SAFETY
FIELD HOUSE
SITE PLAN
SCALE: 1"=30'



1 FIRE LANE STRIPING
NO SCALE



LIFE SAFETY
FIELD HOUSE
FLOOR PLAN
SCALE: 3/32"=1'

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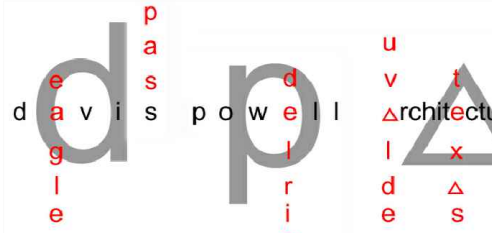
SECTION:	TITLE:	COMMENTS:
SECTION 00100	INSTRUCTIONS TO BIDDERS	UNDER SEPARATE TITLE
SECTION 00120	RANKING CRITERIA	
SECTION 00125	CHILD SAFETY PROGRAM	
SECTION 00300	BID FORM	
SECTION 00400	SUPPLEMENTS TO BID FORM	UNDER SEPARATE TITLE
SECTION 00500	AGREEMENT FORM	
SECTION 00600	CERTIFICATES	
SECTION 00700	GENERAL CONDITIONS	
SECTION 00800	SUPPLEMENTAL CONDITIONS	RISD DOCUMENTS UNDER SEPARATE TITLE
SECTION 00805	WAGE RATES	
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SECTION 01400	TESTING LAB SERVICES	
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SECTION 01560	TEMPORARY BARRIERS	
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SECTION 01710	CLEANING	
SECTION 01740	CONSTRUCTION WASTE AND DISPOSAL	
SECTION 01900	COMMISSIONING	
SECTION 2100	DEMOLITION	
SECTION 03000	CAST IN PLACE CONCRETE	
SECTION 05110	STEEL FABRICATIONS	
SECTION 05400	METAL STUD FRAMING	
SECTION 06100	ROUGH CARPENTRY	
SECTION 06410	MILLWORK	
SECTION 06450	RUNNING WOOD TRIM	
SECTION 07220	BATT INSULATION	
SECTION 07460	CEMENT BOARD SIDING AND SOFFIT	
SECTION 07551	TPD ROOF PATCHING	
SECTION 07640	METAL PANELS	
SECTION 07840	FIRE STOPPING	
SECTION 07915	SEALANTS	
SECTION 08100	HOLLOW METAL DOORS AND FRAMES	
SECTION 08200	FLUSH WOOD DOORS	
SECTION 08400	ALUMINUM STOREFRONT WINDOWS AND ENTRY SYSTEM	
SECTION 08430	INTERIOR ALUM WINDOW AND ENTRY SYSTEM	
SECTION 08710	DOOR HARDWARE	
SECTION 09220	FIBERGLASS REINFORCED PANELS	
SECTION 09240	STUCCO	
SECTION 09250	GYPSUM BOARD	
SECTION 09260	GYPSUM BOARD SHEATHING	
SECTION 09300	CERAMIC TILE	
SECTION 09510	SUSPENDED LAY-IN CEILING AND TRACK	
SECTION 09652	RUBBER ATHLETIC FLOORING	
SECTION 09660	RUBBER COVE BASE	
SECTION 09700	POLISHED CONCRETE	
SECTION 09910	PAINT	
SECTION 10100	VISUAL DISPLAY BOARDS	
SECTION 10155	TOILET PARTITIONS	
SECTION 10420	METAL PLAQUE	
SECTION 10426	SIGNAGE	
SECTION 10522	FIRE EXTINGUISHER AND CABINET	
SECTION 10800	TOILET ACCESSORIES	
SECTION 28310	FIRE ALARM SYSTEM	
SECTION 15400	PLUMBING	
SECTION 15500	MECHANICAL	
SECTION 16000	ELECTRICAL	
SECTION 16000	ELECTRICAL	
SECTION 16000	ELECTRICAL	
SECTION 16000	ELECTRICAL	
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SECTION 16000	ELECTRICAL	
SECTION 16000	ELECTRICAL	
SECTION 16000	ELECTRICAL	

SPECIFICATIONS:

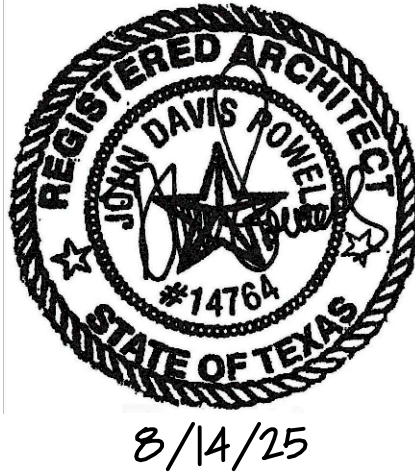
SECTION 100: INSTRUCTIONS TO BIDDERS	
100.1	COMPETITIVE SEALED PROPOSALS WILL BE RECEIVED BY ROBSTOWN INDEPENDENT SCHOOL DISTRICT (HERE IN AFTER "OWNER") FOR THE REMODEL OF EXISTING FIELD HOUSE AND LOCKER ROOM BUILDING AT ROBSTOWN EARLY COLLEGE HIGH SCHOOL (HEREINAFTER CALLED "PROJECT") IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS.
100.2	THE CONTRACTOR SHALL BE SELECTED BASED ON INFORMATION FURNISHED IN THE CONTRACTOR'S QUALIFICATIONS AS WELL AS AMOUNTS STATED IN PROPOSAL. OWNER'S STAFF WILL EVALUATE AND RANK EACH PROPOSAL FOR THE BEST VALUE FOR THE OWNER. IF THE OWNER IS UNABLE TO NEGOTIATE AN AGREEMENT, THE NEGOTIATION WILL BE TERMINATED AND NEGOTIATIONS BEGUN WITH THE SECOND RANKED OFFER AND SO FORTH UNTIL A CONTRACTOR IS SELECTED OR ALL PROPOSALS ARE REJECTED. RANKING CRITERIA CAN BE OBTAINED BY WRITTEN REQUEST FROM THE OWNER OR THE ARCHITECT.
100.3	THE PROPOSAL SHALL BE MADE UPON A REPRODUCTION OF THE FORM PROVIDED IN SECTION 300 OF THIS SPECIFICATION. PROPOSAL SHALL BE ADDRESSED TO THE OWNER, AND ENCLOSED IN AN OPAQUE SEALED ENVELOPE SO ADDRESSED, MARKED "PROPOSAL" AND BEARING THE TITLE OF THE WORK AND THE NAME OF THE BIDDER.
100.4	SUBMITTED PROPOSAL SHALL BE BASED ON CONDITIONS AT THE PROJECT SITE, THE SPECIFICATIONS, AND ANY ADDENDA TO SPECIFICATIONS AND/OR DRAWINGS ISSUED DURING TIME OF BIDDING.
100.5	OWNER'S RIGHT IS HEREBY RESERVED TO REJECT ANY OR ALL PROPOSALS, TO WAIVE FORMALITIES, AND DOES NOT BIND ITSELF TO ACCEPT THE LOWEST PROPOSAL, OR ANY PROPOSAL FOR THIS WORK OR PART THEREOF. OWNER'S RIGHT IS RESERVED TO ACCEPT OR REJECT ALL ALTERNATES, OR ACCEPT ANY COMBINATION OF ALTERNATES.
100.6	ADDENDUM: ANY ADDENDUM ISSUED DURING THE TIME OF BIDDING SHALL CONSTITUTE AN INTEGRAL PART OF THE DRAWINGS AND SPECIFICATIONS, AND SHALL TAKE PRECEDENCE OVER AND MODIFY ANY CONFLICTING PROVISIONS OF THESE SPECIFICATIONS. RECEIPT OF EACH ADDENDA SHEET SHALL BE ACKNOWLEDGED IN THE PROPOSAL.
100.7	IF THE OWNER HAS NOT MADE A CONTACT AWARD WITHIN THIRTY (30) CALENDAR DAYS AFTER PROPOSALS ARE OPENED, BIDDERS MAY WITHDRAW THEIR PROPOSALS WITHOUT PREJUDICE; HOWEVER, BIDDERS HAVE THE OPTION TO EXTEND THE TIME IN WHICH THEIR PROPOSALS WILL BE HONORED AFTER THIS 30 DAY PERIOD.
100.8	IT IS THE RESPONSIBILITY OF EACH BIDDER TO CONDUCT AN EXAMINATION OF THE PROJECT SITE, EXISTING STRUCTURES AND ADJACENT PROPERTY AND FAMILIARIZING HIMSELF WITH EXISTING CONDITIONS BEFORE HE PREPARES AND SUBMITS HIS PROPOSAL.
100.9	SHOULD ANY BIDDER FIND DISCREPANCIES WITH THE SPECIFICATIONS, OR SHOULD BE IN DOUBT AS TO THEIR EXACT MEANING, HE SHOULD NOTIFY THE ARCHITECT IN WRITING FOR AN INTERPRETATION THEREOF NOT LATER THAN 96 HOURS PRIOR TO THE OPENING OF PROPOSALS. THE ARCHITECT MAY THEN, AT HIS OPTION, ISSUE ADDENDA CLARIFYING SAME. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ORAL INSTRUCTIONS OR FOR MISINTERPRETATION OF THE SPECIFICATIONS. IF THE BIDDER HAS OBJECTION TO THE USE OF A MATERIAL, APPLIANCE, OR METHOD OF WORK AS SPECIFIED, HE SHALL REGISTER HIS WRITTEN OBJECTIONS WITH THE ARCHITECT; OTHERWISE, HE SHALL PROCEED TO BID THE WORK UNDER THE STIPULATIONS THAT A SATISFACTORY JOB IS REQUIRED. IN THE CASE OF CONTRADICTORY WORK ITEM REQUIREMENTS BETWEEN DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
100.10	PLANS AND SPECIFICATIONS MAY BE OBTAINED FROM THE ROBSTOWN INDEPENDENT SCHOOL DISTRICT.
100.11	PLANS ARE ALSO AVAILABLE IN ELECTRONIC PDF FORMAT BY CONTACTING DAVIS POWELL @ davispowell@sbcglobal.net.
SECTION 120 RANKING CRITERIA	
SECTION 125 CHILD SAFETY PRECAUTIONS	
125.1	AS A RESULT OF SENATE BILL 9 OF THE 80TH LEGISLATURE OF THE STATE OF TEXAS, ALL SCHOOL SUBCONTRACTORS MAY BE SUBJECT TO THE FOLLOWING:
125.1.1	FINGERPRINT BACKGROUND CHECK AS REQUIRED BY THE STATE OF TEXAS AND THE OWNER
125.1.2	ESCORT BY OWNER PERSONNEL IN AREAS OF DIRECT CONTACT WITH CHILDREN
125.2	SUBMIT TO THE OWNER A CHILD SAFETY PLAN INCLUDING:
125.2.1	CERTIFICATION OF CRIMINAL HISTORY RECORD INFORMATION ON ALL JOB PERSONNEL
125.2.2	FINGERPRINT BACKGROUND CHECK AS REQUIRED BY THE STATE OF TEXAS AND OWNER
125.2.3	ESCORT BY OWNER PERSONNEL WILL BE REQUIRED FOR UNCERTIFIED PERSONNEL IN WORK AREA
125.3	INFORMATION REGARDING THESE REQUIREMENTS MAY BE FOUND AT:
125.3.1	INSTRUCTIONS TO SCHOOL DISTRICT CONTRACTORS REGARDING CRIMINAL HISTORY BACKGROUND SEARCHES UNDER SENATE BILL 9
125.4	SPECIFIC PROJECT REQUIREMENTS ANTICIPATED:
125.4.1	FINGERPRINT BACKGROUND CHECK FOR EMPLOYEES
125.4.2	ESCORT BY OWNER PERSONNEL WILL BE REQUIRED FOR UNCERTIFIED PERSONNEL IN WORK AREA
300 BID FORM	

SECTION 400 SUPPLEMENTS TO BID FORM																									
400.1	BID SECURITY: EACH PROPOSAL SHALL INCLUDE A BID SECURITY OF 5% OF THE LARGEST POSSIBLE TOTAL OF THE BID AMOUNT																								
400.2	REFERENCES: EACH PROPOSAL SHALL INCLUDE FIVE (5) REFERENCES OF CLIENTS OF SIMILAR RECENT PROJECTS																								
400.3	EACH PROPOSAL SHALL INCLUDE A LETTER OR DOCUMENT FROM BONDING AGENCY WITH INFORMATION REGARDING BONDING CAPACITY OF FIRM																								
400.4	EACH PROPOSAL SHALL INCLUDE A LETTER FROM 3 CREDIT REFERENCES WITH KNOWLEDGE OF CREDIT STRENGTH. THE LETTERS SHALL INCLUDE A RANGE OF CREDIT LIMIT OFFERED TO FIRM.																								
400.5	PROPOSAL SHALL INCLUDE A PROPOSED SUB CONTRACTORS LIST																								
500 AGREEMENT FORM																									
500.1	THE AGREEMENT WILL BE EXECUTED ON AIA DOCUMENT A-101 "STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR", 2017 EDITION. A SAMPLE OF THIS FORM IS AVAILABLE FROM THE ARCHITECT FOR YOUR INSPECTION UPON WRITTEN REQUEST.																								
500.2	THE AGREEMENT SHALL INCLUDE OWNER'S STANDARD AMENDMENTS TO STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR AIA DOCUMENT A101-2017. A COPY IS INCLUDED UNDER SEPARATE COVER OF THE BID DOCUMENTS.																								
600 BONDS AND CERTIFICATES																									
600.1	THE CONTRACTOR SHALL FURNISH THE FOLLOWING BONDS AND CERTIFICATES TO BE DELIVERED SIMULTANEOUSLY WITH THE EXECUTED CONTRACT:																								
600.2	PERFORMANCE BOND																								
600.3	LABOR AND MATERIALS PAYMENT BOND																								
600.4	CERTIFICATES OF INSURANCE																								
600.5	THE PERFORMANCE, LABOR AND MATERIALS BOND SHALL BE PROVIDED ON BONDS WHICH COMPLY WITH ARTICLE 5160 OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS AS AMENDED BY ACTS OF THE 64TH LEGISLATURE 1975 AND ACTS OF THE 65TH LEGISLATURE, 1977.																								
600.6	COSTS OF THE ABOVE STATED BONDS AND INSURANCE ARE TO BE INCLUDED IN THE BID.																								
600.7	ATTORNEYS-IN-FACT WHO SIGN BONDS MUST FILE WITH EACH BOND A CERTIFIED AND EFFECTIVE DATED COPY OF THEIR POWER OF ATTORNEY.																								
600.8	THE PERFORMANCE BOND SHALL GUARANTEE THE REPAIR AND MAINTENANCE OF ALL DEFECTS DUE TO FAULTY MATERIALS AND WORKMANSHIP THAT APPEAR WITHIN ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION.																								
700 GENERAL CONDITIONS																									
700.1	THE GENERAL CONDITIONS OF THE CONTRACT ARE SET FORTH IN THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 - 2017, ENTITLED "GENERAL CONDITIONS OF THE CONTRACT OF CONSTRUCTION". A SAMPLE OF THIS FORM IS AVAILABLE FROM ARCHITECT FOR YOUR INSPECTION UPON WRITTEN REQUEST.																								
700.2	ADDITIONAL CONDITIONS ARE SET FORTH IN THE OWNERS' GENERAL TERMS AND CONDITIONS. THIS IS A SERIES OF STANDARD FORMS THAT MUST BE INCLUDED WITH THE CONTRACT DOCUMENTS FOR THE SUCCESSFUL BIDDER. A SAMPLE OF THESE FORMS IS INCLUDED FOR REVIEW UNDER SEPARATE COVER.																								
800 SUPPLEMENTAL CONDITIONS																									
800.1	WHERE ANY ARTICLE OF THE " A.I.A. GENERAL CONDITIONS " IS SUPPLEMENTED HEREBY, THE PROVISIONS OF THE A.I.A. ARTICLE SHALL REMAIN IN EFFECT, AND THE SUPPLEMENTAL PROVISIONS SHALL BE CONSIDERED AS ADDED THERETO. WHERE ANY SUCH ARTICLE IS AMENDED, VOIDED, OR SUPERSEDED HEREBY, THE PROVISIONS OF THE A.I.A. ARTICLE NOT SO SPECIFICALLY AMENDED, VOIDED OR SUPERSEDED SHALL REMAIN IN EFFECT.																								
800.2	THE GENERAL CONDITIONS OF THE CONTRACT SHALL ALSO INCLUDE THE OWNER'S GENERAL TERMS AND CONDITIONS FORMS. A COPY OF THE FORMS ARE AVAILABLE FOR REVIEW UNDER SEPARATE COVER OF THE BID DOCUMENTS.																								
800.3	THE CONTRACTOR SHALL NOT COMMENCE WORK UNDER THIS CONTRACT UNTIL HE HAS OBTAINED ALL THE INSURANCE REQUIRED HEREUNDER AND CERTIFICATES OF SUCH INSURANCE HAVE BEEN FILED WITH AND APPROVED BY THE OWNER. APPROVAL OF THE INSURANCE WITH THE OWNER SHALL NOT RELIEVE OR DECREASE THE LIABILITY OF THE CONTRACTOR.																								
800.4	THE CONTRACTOR SHALL PURCHASE AND MAINTAIN IN FORCE AT ALL TIMES DURING THE TERM OF THE CONTRACT, UNTIL THE PROJECT IS FINALLY COMPLETED AND ACCEPTED BY THE OWNER, THE INSURANCE AS REQUIRED BY LAW AS WELL AS THE MINIMUM INSURANCE COVERAGES AS FOLLOWS:																								
	<table><tr><th>Insurance Required:</th><th>Limits:</th></tr><tr><td>Type:</td><td>Statutory Limit</td></tr><tr><td>Workers Compensation</td><td>Statutory Limit</td></tr><tr><td>Employers Liability</td><td>\$1000000 each occurrence</td></tr><tr><td>Comprehensive General Liability</td><td></td></tr><tr><td>A. Bodily Injury</td><td>\$1000000 each person / \$2000000 aggregate</td></tr><tr><td>B. Property Damage X, C. and U including completed operations.</td><td>\$1000000 each occurrence \$2000000 aggregate</td></tr><tr><td>C. Products and Completed Ops</td><td>\$1000000 each occurrence \$2000000 aggregate</td></tr><tr><td>Comprehensive Automobile Liability</td><td></td></tr><tr><td>A. Bodily Injury</td><td>\$500000 each person / \$2000000 each occurrence</td></tr><tr><td>B. Property Damage</td><td>\$500000 each occurrence</td></tr><tr><td>Umbrella Excess Liability</td><td>\$1000000 each occurrence and \$2000000 aggregate</td></tr></table>	Insurance Required:	Limits:	Type:	Statutory Limit	Workers Compensation	Statutory Limit	Employers Liability	\$1000000 each occurrence	Comprehensive General Liability		A. Bodily Injury	\$1000000 each person / \$2000000 aggregate	B. Property Damage X, C. and U including completed operations.	\$1000000 each occurrence \$2000000 aggregate	C. Products and Completed Ops	\$1000000 each occurrence \$2000000 aggregate	Comprehensive Automobile Liability		A. Bodily Injury	\$500000 each person / \$2000000 each occurrence	B. Property Damage	\$500000 each occurrence	Umbrella Excess Liability	\$1000000 each occurrence and \$2000000 aggregate
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800.4	THE CONTRACTOR SHALL PURCHASE AND MAINTAIN IN FORCE A POLICY OF BUILDER'S RISK INSURANCE ON THE TEXAS STANDARD FORM, COVERING FIRE, EXTENDED COVERAGE, VANDALISM, AND MALICIOUS MISCHIEF, UPON THE PORTION OF THE STRUCTURES ON WHICH WORK IS TO BE DONE, TO 100% OF THE CONTRACT VALUE THEREOF, WHETHER IN OR ADJACENT TO THE STRUCTURE INSURED, MATERIALS IN PLACE OR TO BE USED AS A PART OF THE PERMANENT CONSTRUCTION, AND TEMPORARY STRUCTURES, MISCELLANEOUS MATERIALS AND SUPPLIES INCIDENT TO THE WORK. THE COST OF SUCH INSURANCE SHALL BE INCLUDED IN THE CONTRACTORS BID AND IN THE COST OF THE WORK. THE LOSS, IF ANY, IS TO BE MADE ADJUSTABLE WITH AND PAYABLE TO THE OWNER AS TRUSTEE FOR THE INSURED AS THEIR INTERESTS MAY APPEAR.																								
800.5	THE CONSTRUCTION OF THIS PROJECT IS SUBJECT TO ARTICLE 5159A OF THE REVISED CIVIL STATUTES OF TEXAS, THE TERMS OF WHICH REQUIRE THAT NOT LESS THAN THE GENERAL PREVAILING RATE OF CURRENT PER DIEM WAGES FOR WORK OF A SIMILAR CHARACTER IN THE LOCALITY IN WHICH THE WORK IS PERFORMED, AND NOT LESS THAN THE GENERAL PREVAILING RATE WAGES FOR LEGAL HOLIDAYS, AND OVERTIME WORK, AND SHALL BE PAID BY CONTRACTOR TO ALL LABORERS, WORKMEN AND MECHANICS EMPLOYED UNDER THIS CONTRACT. REQUIRED RATES ARE AVAILABLE AT http://www.wdol.gov/daba.aspx OR MAY BE REQUESTED FROM THE ARCHITECT @ davispowell@sbcglobal.net .																								
800.5.1	AS PART OF PAY APPLICATION PROCESS CONTRACTOR SHALL SUBMIT CERTIFIED PAYROLL OF WAGES PAID TO ALL EMPLOYEES AND SUBCONTRACTOR EMPLOYEES ON THIS PROJECT																								
805 WAGE RATES																									
800.5	THE CONSTRUCTION OF THIS PROJECT IS SUBJECT TO ARTICLE 5159A OF THE REVISED CIVIL STATUTES OF TEXAS, THE TERMS OF WHICH REQUIRE THAT NOT LESS THAN THE GENERAL PREVAILING RATE OF CURRENT PER DIEM WAGES FOR WORK OF A SIMILAR CHARACTER IN THE LOCALITY IN WHICH THE WORK IS PERFORMED, AND NOT LESS THAN THE GENERAL PREVAILING RATE WAGES FOR LEGAL HOLIDAYS, AND OVERTIME WORK, AND SHALL BE PAID BY CONTRACTOR TO ALL LABORERS, WORKMEN AND MECHANICS EMPLOYED UNDER THIS CONTRACT. REQUIRED RATES ARE AVAILABLE AT http://www.wdol.gov/daba.aspx OR MAY BE REQUESTED FROM THE ARCHITECT @ davispowell@sbcglobal.net .																								

1020 ALLOWANCES	
1020.01	THIS SECTION SPECIFIES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS GOVERNING THE HANDLING AND PROCESSING OF ALLOWANCES. SELECTED MATERIALS AND EQUIPMENT, AND IN SOME CASES, THEIR INSTALLATION ARE SHOWN AND SPECIFIED IN THE CONTRACT DOCUMENTS BY ALLOWANCES. MONIES REMAINING IN ALLOWANCE AT CLOSE OF PROJECT SHALL BE CREDITED TO OWNER BY CHANGE ORDER, OR TRANSFERRED TO OTHER ALLOWANCES AS DIRECTED BY ARCHITECT. ALLOWANCES SHALL INCLUDE CONTRACTORS OVERHEAD, PROFIT, INSURANCE AND TAX. APPROVED CHANGES TO THE SCOPE OF WORK SHALL NOT INCLUDE CONTRACTORS OVERHEAD, PROFIT, INSURANCE AND TAX IF PAID FOR BY ALLOWANCE.
1020.02	IN ACCORDANCE WITH CONSTRUCTION CRITICAL PATH, SUBMIT TO ARCHITECT PRODUCTS THAT WILL MEET THE REQUIREMENTS OF THE WORK AND THE ALLOWANCE ESTABLISHED FOR THAT ITEM. UPON APPROVAL BY ARCHITECT, PROCEED TO PURCHASE MATERIAL. DO NOT EXCEED ANY ALLOWANCE WITHOUT PRIOR NOTIFICATION AND APPROVAL FROM ARCHITECT.
1020.03	ALLOWANCE SCHEDULE:
1020.04	INCLUDE A LUMP SUM OF \$80,000 FOR THE BETTERMENT OF THE PROJECT
1020.05	INCLUDE A LUMP SUM OF \$30,000 FOR THE TESTING OF MATERIALS
1020.06	INCLUDE A UNIT COST ALLOWANCE OF \$2.00 PER SQUARE FOOT FOR CERAMIC TILE MATERIAL.
1020.07	INCLUDE A UNIT COST ALLOWANCE OF \$75.00 PER SQUARE FOOT FOR MATERIAL AND LABOR FOR THE INSTALLATION OF GRANITE COUNTERS.
1020.08	INCLUDE A LUMP SUM OF \$2,000 FOR A METAL PLAQUE.
SECTION 1040 ALTERNATES:	
1040.01	THIS SECTION LISTS THE ALTERNATES TO BE PROVIDED ON THE PROPOSAL FORM AND IN THE CONTRACT IF THE ADDITIONAL SCOPE OF WORK WAS TO BE APPROVED BY THE OWNER. UPON APPROVAL OF THE ALTERNATE, THE CONTRACTOR SHALL FURNISH LABOR AND MATERIAL FOR THE FOLLOWING: ALTERNATE SCHEDULE:
1040.02	
1040.03	ALTERNATE 1: INSTALLATION OF MATERIAL AND LABOR OF LOCKER ROOM REMODEL INDICATED ON SHEETS AX-1 IN ROOMS 124, 125, 127, 128.
1040.04	ALTERNATE 2: PAINT EXTERIOR VERTICAL METAL PANEL WALLS OF FIELD HOUSE BUILDING. INCLUDE REPAINTING LOGOS IN SIZE AND COLORS OF EXISTING.
1330 SUBMITTAL PROCEDURE	
1330.1	SUBMITTAL PROCEDURE: SPECIFICATIONS SECTIONS REFERRING TO SUBMITTING INFORMATION TO THE ARCHITECT SHALL PROVIDE THE FOLLOWING:
1330.2	PDF FILE(S) OF REQUIRED PRODUCT LITERATURE
1330.3	PRODUCT SAMPLES OF REQUESTED MATERIALS AND COLORS
1330.4	PROVIDE SUBMITTALS IN A TIMELY MANNER THAT WILL NOT ADVERSELY EFFECT THE CRITICAL PATH OF THE PROJECT. ARCHITECT SHALL HAVE A MINIMUM OF 15 WORKING GC SHALL PROVIDE A SUBMITTAL LOG INDICATING WHEN SUBMITTALS WERE PROVIDED AND RETURNED WITH A SUMMARY OF COMMENTS.
1330.5	
1400 TESTING LAB SERVICES	
1400.1	DURING CONSTRUCTION, THE OWNER WILL REQUIRE TESTING TO BE PERFORMED TO DETERMINE THAT MATERIALS PROVIDED MEET SPECIFIED REQUIREMENTS. TESTING REQUIREMENTS ARE IDENTIFIED IN THE SPECIFICATION SECTIONS. THE PROCEDURE FOR TESTING SERVICES ARE AS FOLLOWS:
1400.2	TESTING LAB SHALL BE SELECTED BY THE OWNER
1400.3	TESTING LAB SERVICES SHALL BE PAID FOR BY THE CONTRACTOR WITH THE TESTING ALLOWANCE DEFINED IN SECTION 1020
1400.4	ITEMS FOUND NOT IN COMPLIANCE WITH THE SPECIFICATIONS SHALL BE RETESTED AND DEDUCTED FROM THE CONTRACT SUM
1400.5	TESTING LAB SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF THE REQUIRED TESTING SERVICES. 72 HOURS NOTIFICATION SHALL BE PROVIDED FOR STRUCTURAL STEEL TESTING
1500 TEMPORARY FACILITIES	
1500.00	THE CONTRACTOR SHALL PROVIDE THE FOLLOWING TEMPORARY JOBSITE FACILITIES:
1500.04	JOB TOILETS AS REQUIRED FOR MAN POWER
1560 TEMPORARY BARRIERS	
1500.00	THE CONTRACTOR SHALL PROVIDE THE FOLLOWING TEMPORARY JOBSITE FACILITIES:
1500.01	SECURITY FENCING AROUND ENTIRE WORK SITE
1500.02	JOB TOILETS AS REQUIRED FOR MAN POWER
1500.03	LIGHTING FOR INTERIOR SPACES UNTIL PERMANENT POWER IS ESTABLISHED
1700 CLOSEOUT AND FINAL PAYMENT	
1700.00	AT THE END OF THE PROJECT, BEFORE FINAL PAY APPLICATION IS CERTIFIED BY THE ARCHITECT, THE FOLLOWING MUST BE PROVIDED WITH THE FINAL APPLICATION FOR PAYMENT:
1700.01	RECORD DRAWINGS INDICATING ANY REVISIONS TO WORK NOT SHOWN ON PLANS
1700.02	MAINTENANCE MANUALS OF MATERIALS FURNISHED FOR THE PROJECT INCLUDING WARRANTY INFORMATION
1700.03	LIST OF SUBCONTRACTORS AND THEIR CONTACT INFORMATION
1700.04	WARRANTIES FROM ALL SUBCONTRACTORS
1700.05	RELEASE OF LIENS FROM ALL SUBCONTRACTORS
1700.06	GC RELEASE OF LIENS
1700.07	GC RELEASE OF DEBTS AND CLAIMS
1700.08	CONSENT OF SURETY
1700.09	GOVERNING AUTHORITY CERTIFICATE OF OCCUPANCY
1700.10	COPY OF PERFORMANCE AND PAYMENT BOND
1700.11	FINAL PAY APPLICATION
1700.12	FINAL CHANGE ORDER FOR ALLOWANCE BALANCE RECONCILIATION



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830.757.6750
davispowellarchitect.com



2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



DATE:	8/14/25
REVISED:	

SPECIFICATIONS:

9651 RUBBER SPORTS FLOORING

- 9651.01 MATERIAL AND LABOR BY OWNER VENDOR
9651.02 COORDINATE SEQUENCING OF INSTALLATION WITH OWNNEER VENDOR TO MINIMIZE DISRUPTIONS TO SCHEDULE

9660 RUBBER COVE BASE

- 9660.1 SUBMIT TO ARCHITECT PRODUCT LITERATURE, COLOR SAMPLES, AND ACCESSORIES FOR COMPLETE INSTALLATION OF COVE BASE
9660.2 REQUIRED PERFORMANCE CRITERIA SHALL MEET OR EXCEED ROPPE 4" COVE BASE
9660.3 PROVIDE ALL NECESSARY ADHESIVES AND TRIM PIECES FOR COMPLETE BASE INSTALLATION.
9660.4 EXECUTION
9660.5 INSPECT MATERIAL FOR DEFECTS AT DELIVERY. RETURN ANY DEFECTIVE MATERIAL TO MANUFACTURER.
9660.6 APPLY ADHESIVE PER MANUFACTURERS RECOMMENDATIONS
9660.7 INSTALL BASE PER MANUFACTURERS RECOMMENDATIONS
9660.8 CLEAN BASE

9700 POLISHED CONCRETE FLOORING

- 9700.1 SUBMIT TO ARCHITECT PROPOSED MATERIAL PRODUCT DATA AND SAMPLES
9700.2 PROVIDE FIELD SAMPLE IN 5X5 AREA APPROVED BY ARCHITECT
9700.3 PROVIDE FGS PERMASHINE POLISHING SYSTEM. OTHERS WILL BE CONSIDERED IF SUBMITTED.
9700.4 INSTALLER SHALL BE CERTIFIED BY SYSTEM TO BE INSTALLED
9700.5 FINISH LEVEL SHALL BE 3000 GRIT HIGH GLOSS WITH DYE UNLESS OTHERWISE NOTED ON FINISH SCHEDULE.
9700.6 WARRANTY SHALL INCLUDE A 10 YEAR NO DUSTING FINISH
9700.7 COORDINATE POLISHED CONCRETE RECOMMENDATIONS WITH CONCRETE FOUNDATION OR PATCHWORK FINISHERS
9700.8 ALLOW FOUNDATION OR PATCH TO CURE FOR 28 DAYS
9700.9 EXECUTION
9700.10 EXISTING FLOOR CONDITION IS POOR. SIGNIFICANT GRINDING WILL BE NECESSARY TO ACHIEVE DESIRED RESULTS. AFTER VISITING SITE, ASSIST GC IN PROVIDING SUITABLE BASE SURFACE FOR POLISHING.
9700.11 SURVEY FLOOR AND NOTE IMPERFECTIONS WITH GC. ALLOW FOR A MINIMUM OF 1 DAY OF GRINDING FOR LEVELING OF SURFACE
9700.12 INSTALL DYE IF USED. SEE FINISH SCHEDULE
9700.13 APPLY SYSTEM HARDENER PER MANUFACTURERS RECOMMENDATIONS. APPLICATION SHALL INCLUDE A MINIMUM OF 2 COATS.
9700.14 POLISH CONCRETE TO STANDARD HIGH GLOSS 3000 GRIT FINISH CLEANING THOROUGHLY BETWEEN GRITS.
9700.15 PROTECT FLOOR DURING REMAINDER OF CONSTRUCTION

9910 PAINT

- 9910.01 PROVIDE PAINT WHERE INDICATED IN MINIMUM OF 1 PRIMER AND 2 FINISH COATS USING APPLICATION METHODS IN WRITTEN MANUFACTURERS RECOMMENDATIONS FOR SURFACE

9910.02 APPLY PAINTS TO ESTABLISH COVERAGE PER MANUFACTURERS RECOMMENDATIONS
9910.11 PAINT FOR STUCCO: PRIMER: MOORES MOORECRAFT EXTERIOR BLOCK FILLER #285 MOORES REGAL WALL SATIN #215
9910.12 PAINT FOR DRYWALL: PRIMER: LATEX QUICK-DRY PRIME SEAL #201 FINISH: MOORE'S REGAL WALL SATIN #215
9910.13 PAINT FOR DRYWALL: PRIMER: LATEX QUICK-DRY PRIME SEAL #201 FINISH: MOORE'S REGAL WALL SATIN #215
9910.14 PAINT FOR METAL: PRIMER:MOORE'S IRON CLAD RETARDO RUST INHIBITIVE PAINT #163 FINISH: MOORE'S IMPERVO HIGH GLOSS ENAMEL #133
9910.15 STAIN FOR WOOD: SHERWIN WILLIAMS WOOD CLASSICS 2 COATS. FINISH: SHERWIN WILLIAMS POLYURETHANE 2 COATS SANDING BETWEEN
9910.16 SEALER FOR CONCRETE FLOORING: CHEMPROPE "DUR-A-PELL 20" 2 COATS
9910.17 FLOOR EPOXY: SUPERIOR EPOXIES AND COATINGS INC, "SUPERIOR GLOSS STANDARD PIGMENTED" CAREFULLY FOLLOW MANUFACTURERS PREPARATION INSTRUCTIONS INCLUDING ACID ETCHING CONCRETE BEFORE APPLICATION.

10110 VISUAL DISPLAY BOARDS

- 10110.1 SUBMIT PRODUCT INFORMATION AND COLOR SAMPLES TO ARCHITECT
10110.2 PROVIDE MARKER BOARD THAT INCLUDES THE FOLLOWING.
10110.3 50 YEAR FACE WARRANTY
10110.4 HIGH PRESSURE LAMINATE PORCELAIN ENAMEL W/ 3 PLYS: FACE SHEET, CORE, AND BACKING
10110.5 LIGHT COLORED SPECIAL WRITING SURFACE WITH GLOSS FINISH FOR USE WITH FELT TIP MARKERS
10110.6 3/8" PARTICLE BOARD CORE W/ FOIL BACKING
10110.7 FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPED OF 10 OR LESS
10110.8 INCLUDE THE FOLLOWING ACCESSORIES AND TRIMS
10110.9 ALUMINUM METAL TRIM AND FRAME
10110.10 CHALKTRAYS: BOX TYPE ALUMINUM WITH SLANTED FRONT AND CAST ALUMINUM CLOSURES
10110.11 MAP RAIL INCLUDING 2" CORK DISPLAY RAIL, END STOPS, 6 MAP HOOKS, AND FLAG HOLDER.
10110.12 INSTALL USING MANUFACTURERS STANDARD WALL MOUNTING BRACKET SYSTEM AND FOLLOWING MANUFACTURERS INSTRUCTIONS.
10110.13 INSTALL USING MANUFACTURERS STANDARD WALL MOUNTING BRACKET SYSTEM AND FOLLOWING MANUFACTURERS INSTRUCTIONS.

SECTION 10155 TOILET PARTIONS

- 10155.01 SUBMIT TO ARCHITECT PROPOSED MATERIAL PRODUCT DATA AND SAMPLES
10155.02 PROVIDE FLOOR ANCHORED OVERHEAD BRACED METAL PANELS W/ INTEGRAL STAINLESS STEEL FLOOR TRIM
10155.03 PROVIDE ACCESSORIES INCLUDING HINGES, LATCH AND KEEPER, COAT HOOK, BUMPERS, AND PULLS
10155.04 FIELD MEASURE EXISTING CONDITIONS BEFORE FABRICATION
10155.05 INSTALL PER MANUFACTURERS RECOMMENDATIONS

SECTION 10420 METAL PLAQUE

- 10420.1 METAL PLAQUE SHALL BE PROVIDED PER LAYOUT PROVIDED BY ARCHITECT
10420.2 METAL PLAQUE SHALL BE PAID FOR BY ALLOWANCE. SEE SECTION 1020 OF THE SPECIFICATIONS.

10426 SIGNAGE

- 10426.01 SUBMIT TO ARCHITECT PROPOSED MATERIAL PRODUCT DATA AND SAMPLES
10426.02 PROVIDE AND INSTALL 8x8 ADA COMPLIANT PLASTIC SIGNS BY SOUTHWELL AS INDICATED ON DOOR SCHEDULE. INSTALL WITH TAMPER PROOF SCREWS ON EACH CORNER

10522 FIRE EXTINGUISHERS AND CABINETS

- 10522.1 SUBMIT TO ARCHITECT PROPOSED MATERIAL PRODUCT DATA
10522.3.1 PROVIDE 10 LB FIRE EXTINGUISHERS FOR CLASS A, B, AND C FIRES IN LOCATIONS NOTED

10522.3.2 PROVIDE ADA COMPLIANT SEMI RECESSED CABINET W/ ACRYLIC GLAZING IN BUILDING 100

10522.3.3 PROVIDE MANUFACTURERS STANDARD COLLAR MOUNT AT OTHER LOCATIONS
10522.3.4 INSTALL CABINET AND EXTINGUISHER AT 56" ABOVE FINISH FLOOR TO TOP PER MANUFACTURERS INSTRUCTIONS

10800 TOILET ACCESSORIES

- 10800.1 SUBMIT TO ARCHITECT PROPOSED MATERIAL PRODUCT INFORMATION
10800.2 SEE PLANS FOR REQUIRED PERFORMANCE CRITERIA AND LOCATIONS.

SECTION 11600 ATHLETIC EQUIPMENT

- 11600.1 THIS SECTION INCLUDES STORAGE SHELVING, BENCHES, AND METAL LOCKERS
11600.2 SUBMIT PRODUCT INFORMATION, SAMPLES, AND COLORS TO ARCHITECT
11600.3 BENCHES
11600.4 PROVIDE LAMINATED WOODEN BENCH W/ FREE STANDING PEDESTALS AND CLEAR VARNISH FINISH FROM SCHOOLLOCKERS.COM IN SIZES INDICATED ON DRAWINGS. LINK: <https://www.schoollockers.com/18-wide-wood-locker-room-benches-with-free-standing-pedestals.html>

11600.5 STORAGE SHELVING:
11600.6 PROVIDE HEAVY DUTY STEEL SHELVING IN 18X36X72 SECTIONS FROM ULINE @ LINK: https://www.uline.com/Product/Detail/H-3912/Industrial-Shelving/Heavy-Duty-Steel-Shelving-36-x-18-x-72?pricode=VA9519&gatype=pla&id=H-3912&gclid=CjwKCAjw-6bWBR8iEiwa_K1ZD29wAvV8MVUggy0b9NBqWDisuSbmernKYD7LLWdMPA0apHVwCYLjTB0cR8lQA4D_BwE&gclidsrc=aw.ds

11600.7 ATHLETIC EQUIPMENT PROVIDED BY OWNER:
11600.8 MATERIAL AND LABOR BY OWNER VENDOR

11600.9 COORDINATE SEQUENCING OF INSTALLATION WITH OWNNEER VENDOR TO MINIMIZE DISRUPTIONS TO SCHEDULE. ITEMS FURNISHED AND INSTALLED BY OWNER INCLUDE:
11600.10 METAL LOCKERS
11600.11 ICE MACHINES
11600.12 WASHERS
11600.13 DRYERS
11600.14 LAUNDRY CARTS
11600.15 LAUNDRY WORK TABLES
11600.16 EXECUTION
11600.17 ASSEMBLE PER MANUFACTURER'S RECOMMENDATIONS
11600.18 LOCATE PER PLAN
11600.17 REMOVE ALL ASSOCIATED DEBRIS

28310 FIRE ALARM SYSTEM

- 28310.1 SUBMIT FIRE ALARM MANUFACTURERS SYSTEM LITERATURE, DESIGN, AND FIXTURE INFORMATION TO ARCHITECT AND AS REQUIRED BY AHJ
28310.2 SPECIAL WARRANTY: PROVIDE WARRANTY FOR A PERIOD OF 1 YEAR
28310.3 PERFORMANCE CRITERIA
28310.4 PROVIDE AND INSTALL DESIGN BUILD FIRE ALARM SYSTEM COMPLIANT WITH NFPA72, NEC2011, AND IBC 2015
28310.5 SYSTEM SHALL BE MANUAL LOCAL FIRE ALARM SYSTEM WITH CONNECTIONS TO MUNICIPAL SYSTEM
28310.6 SYSTEM SHALL COMPLY WITH ADA 2013 REGULATIONS
28310.7 MANUFACTURER: FIRELITE, BOSCH, OTHER PRE-APPROVED
28310.8 SYSTEM SHALL HAVE 24 HOUR BATTERY BACKUP
28310.9 EXECUTION
28310.10 INSTALL PER NFPA72, NEC, LOCAL AND STATE CODES, AS SHOWN ON THE DRAWINGS AND AS RECOMMENDED BY MANUFACTURER
28310.11 COMMISSION SYSTEM PER SECTION 1910.07 OF THE SPECIFICATIONS

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8/4/25

2025 FIELD HOUSE IMPROVEMENTS
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ROBSTOWN, TX



DATE:	8/14/25
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SP2

SPECIFICATIONS:

15400 SUPPLEMENTAL PLUMBING SYSTEM SPECIFICATIONS

SUPPLEMENTAL PLUMBING SYSTEM SPECIFICATIONS SHALL BE REFERENCED IF INFORMATION ON THE P SHEETS IS NOT COMPLETE OR NEEDS CLARIFICATION. THE WORK SHALL INCLUDE DESIGN, MATERIAL, AND LABOR FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM
ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL PLUMBING CODES
DRAWINGS AND SPECIFICATIONS ARE DIAGRAMATIC AND INDICATE THE GENERAL LOCATION, TYPE, FIXTURES, AND EQUIPMENT REQUIRED FOR THE INSTALLATION. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DOCUMENTATION FOR FIXTURE REQUIREMENTS.

GENERAL PIPING
RUN PIPING PARALLEL TO BUILDING LINES.
SUPPORT AND ANCHOR PIPING AS REQUIRED TO SUPPORT PIPE WITHOUT DEFLECTION AND FACILITATE EXPANSION AND CONTRACTION OF THE BUILDING PIPING SHALL BE INSTALLED AFTER COORDINATION WITH OTHER SUBCONTRACTORS AND WITHOUT INTERFERENCE WITH OTHER TRADE INSTALLATIONS.

ALL HANGARS AND STRAPS SHALL BE COMPATIBLE WITH PIPING MATERIAL

SEWER AND WASTE PIPING
ABOVE FLOOR WASTE PIPING SHALL BE HUBLESS PVC PIPE WHERE ACCEPTABLE BY CODE
DRAINAGE PIPING BELOW FLOOR SHALL BE SCHEDULE 40 PVC WITH WELDED JOINT AND FITTINGS
SLOPE DRAIN PIPES 1/4" PER 1' MINIMUM FOR PIPE < 3" AND 1/8" PER 1' MINIMUM FOR PIPES 4" AND LARGER

TRAPS
PROVIDE WATER SEALED TRAPS AS CLOSE AS POSSIBLE TO FIXTURES, DRAINS, AND EQUIPMENT HAVING A WASTE OR WATER CONNECTION

VENTS
PROVIDE SCH40 PVC VENTS
CONCEAL VENTS IN CHASES OR PROVIDE IRON PIPING IN PLENUM LOCATIONS.
COORDINATE TYPE AND LOCATION OF VENT FLASHINGS WITH ROOF SUBCONTRACTOR. DO NOT INSTALL MATERIALS THAT WILL VOID ROOF WARRANTY.

CONDENSATE PIPING
PROVIDE COPPER TYPE M PIPING FOR CONDENSATE LINES < 1" DIAMETER AND SCH40 FOR 1 1/4" DIAMETER AND LARGER

CLEANOUTS
PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES.
CLEANOUTS SHALL BE THE SAME SIZE AS THE PIPES THEY SERVE.
INSTALLATION OF CLEANOUTS SHALL CONFORM WITH LOCAL, STATE, AND FEDERAL BUILDING CODES.
PROVIDE ACCESSORIES TO OBSCURE FROM VIEW. VISIBLE CLEANOUTS SHALL HAVE BRASS TRIM.

WATER DISTRIBUTION PIPING
LAYOUT WATER SUPPLY PIPING SO SYSTEM CAN BE DRAINED.
HOT AND COLD WATER PIPING SHALL BE A MINIMUM OF 1/2" COPPER TYPE L TUBING WITH WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS.
PROVIDE 16" HIGH AIR CHAMBER AT EACH FIXTURE STOP
INSTALL CHROME OR BRASS PLATED ESCUTCHEONS AT EACH PENETRATION THROUGH FINISHED SURFACES
SOLDER SHALL BE TIN-ANTIMONY 95/5

PIPE INSULATION
PROVIDE INSULATION AT HOT WATER DISTRIBUTION SYSTEM
MATERIAL SHALL BE 1" PREFORMED FIBERGLASS
IF PERMITTED BY CODE 1" SELF ADHERED UNICELLULAR FOAM PIPE WITH

SHUT OFF VALVES
PROVIDE SHUT OFF VALVE WITH UNIONS SHALL BE PROVIDED AT EACH FIXTURE.
JENKINS 902-T BALL VALVES CHROME FINISH W/ TEFLON SEATS
SOLDER CONNECTIONS

INSTALLATION
CLEAN ALL MATERIALS BEFORE INSTALLATION
CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE SET AND FINAL CONNECTIONS MADE
PROTECT INSTALLED MATERIALS AGAINST DAMAGE
INSTALL FIXTURES LEVEL AND PLUMB COMPLYING WITH ACCESSIBLE REQUIREMENTS AS INDICATED ON RESTROOM INFO SHEET
INSTALL NECESSARY ESCUTCHEONS AND TRIM.
INSTALL SEALANT AT FIXTURE TO FLOOR CONNECTIONS

TESTING
TEST WATER SYSTEM @ 150 PSI HYDROSTATIC PRESSURE FOR 4 HOURS MINIMUM.

MAKE REPAIRS OF DEFICIENT INSTALLATIONS AND REPEAT TEST UNTIL NO LEAKS ARE EVIDENT

RECORD DRAWINGS
PROVIDE LOCATION OF DRAIN AND SUPPLY LINES ON RECORD DRAWING AND PROVIDE COPIES IN CLOSEOUT MANUAL PER SECTION 1700 OF SPECIFICATIONS

15500 SUPPLEMENTAL MECHANICAL SYSTEM SPECIFICATION

SUPPLEMENTAL MECHANICAL SYSTEM SPECIFICATION SHALL BE REFERENCED IF INFORMATION IS NOT PROVIDED OR CLEAR ON THE M SHEETS
THE WORK SHALL INCLUDE DESIGN, MATERIAL, AND LABOR FOR A COMPLETE FUNCTIONING MECHANICAL HEATING, COOLING, AND EXHAUST SYSTEM
ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL MECHANICAL CODES
DRAWINGS AND SPECIFICATIONS ARE DIAGRAMATIC AND INDICATE THE GENERAL LOCATION, TYPE, FIXTURES, AND EQUIPMENT REQUIRED FOR THE INSTALLATION. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DOCUMENTATION FOR EQUIPMENT REQUIREMENTS.
COORDINATE WORK WITH ELECTRICAL, PLUMBING, AND CEILING SUB CONTRACTORS AS REQUIRED TO AVOID CONFLICT OF SYSTEM LOCATIONS.

MC (MECHANICAL CONTRACTOR) IS RESPONSIBLE FOR MECHANICAL PERMIT

SUMBITTALS
SUBMIT TO ARCHITECT ALL PROPOSED EQUIPMENT AND MATERIALS INCLUDING UNITS, DUCTWORK MATERIAL, FANS, DIFFUSERS, AND CONTROLS. PROVIDE MANUAL J CALCULATIONS FOR VOLUMES PROVIDED AT EACH ROOM

WARRANTY
1 YEAR LABOR AND MATERIAL WARRANTY
EXTENDED MANUFACTURER'S WARRANTY ON EQUIPMENT COMPONENTS
INCLUDE MANUFACTURER'S WARRANTY AND CONTACT IN CLOSE OUT DOCUMENTS PER SECTION 1700 OF THE SPECIFICATIONS

HVAC SYSTEM
PROVIDE AND INSTALL RUUD, CARRIER, OR TRANE HVAC SYSTEM COMPLIANT WITH CURRENT LOCAL ENERGY CODES

EXHAUST FANS
PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FANS OF 120 CFM CAPACITY.
EXHAUST FANS SHALL INCLUDE BACK DRAFT DAMPER
COORDINATE NECESSARY CURBS, PENETRATIONS, AND FLASHING WITH ROOFING SUBCONTRACTOR OR WALL FRAMER
PROVIDE GALVANIZED METAL FLEX ROUND DUCTWORK WITH SEALED JOINTS AS REQUIRED

FIBERGLASS DUCTWORK:
DUCTWORK SHALL BE RIGID FIBERGLASS DUCTBOARD INSTALLED PER ASHRAE AND NEMA STANDARDS
FIBERGLASS DUCTBOARD SHALL PROVIDE A MINIMUM OF R6
SEAL ALL JOINTS PER MANUFACTURER'S RECOMMENDATION WITH TAPE OR SEALANT APPROVED BY DUCTBOARD MANUFACTURER.

FLEXIBLE DUCT:
PROVIDE FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL181) WITH FIBERGLASS INSULATION TO MEET CURRENT ENERGY CODE AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER.
FLEX DUCT SHALL MEET NFPA 90A FLAME SPREAD OF LESS THAN 25 AND SMOKE DEVELOPMENT LESS THAN 50

CEILING DIFFUSERS AND RETURNS
SUPPLY DIFFUSERS SHALL INCLUDE INTEGRAL VOLUME CONTROL DAMPERS
RETURN AIR DIFFUSERS SHALL HAVE INTEGRAL FILTER TABS

AUTOMATIC TEMPERATURE CONTROL
PROVIDE FOR EACH UNIT A LOW VOLTAGE SEVEN DAY PROGRAMMABLE THERMOSTAT SIMILAR OR EQUAL TO HONEYWELL T7300. THERMOSTAT SHALL BE PROVIDED BY UNIT MANUFACTURER AND BE COMPATIBLE WITH UNIT IN REGARD TO STAGING CONTROL ABILITY.
CONTROL DEVICE SHALL INCLUDE AUTO CHANGE FEATURE FROM HEAT TO COOL
SET POINTS SHALL BE USER ADJUSTABLE

TEST AND BALANCE
MC SHALL PROVIDE TEST AND BALANCE OF VOLUMES PROVIDED INTO EACH ROOM AND RECORD VOLUMES IN WRITING TO OWNER.
TEST AND BALANCE MAY BE SELF PERFORMED

16000 SUPPLEMENTAL ELECTRICAL SYSTEM SPECIFICATION

SUPPLEMENTAL ELECTRICAL SYSTEM SPECIFICATION TO BE REFERENCED IF INFORMATION IS NOT PROVIDED ON THE E SHEETS.
THE WORK SHALL INCLUDE DESIGN, MATERIAL, AND LABOR FOR A COMPLETE FUNCTIONING ELECTRICAL SYSTEM.
ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL ELECTRICAL CODES
VERIFY VOLTAGE DROPS A.I.C. RATINGS FOR ALL EQUIPMENT CONNECTED, AND VERIFY SIZE OF ALL CIRCUIT BREAKERS, CONDUIT, ETC. PRIOR TO INSTALLATION
DRAWINGS AND SPECIFICATIONS ARE DIAGRAMATIC AND INDICATE THE GENERAL LOCATION, TYPE, FIXTURES, AND EQUIPMENT REQUIRED FOR THE INSTALLATION. COORDINATE WORK WITH MECHANICAL, PLUMBING, FRAMERS, WALL FINISH, AND CEILING SUB CONTRACTORS AS REQUIRED TO AVOID CONFLICT OF SYSTEM LOCATIONS.

SUMBITTALS
SUBMIT TO ARCHITECT ALL PROPOSED EQUIPMENT AND MATERIALS INCLUDING BUT NOT LIMITED TO PANELS, OUTLETS, FACE PLATES, LIGHTING FIXTURES

WARRANTY
1 YEAR LABOR AND MATERIAL WARRANTY
EXTENDED MANUFACTURER'S WARRANTY ON EQUIPMENT COMPONENTS
INCLUDE MANUFACTURER'S WARRANTY AND CONTACT IN CLOSE OUT DOCUMENTS PER SECTION 1700 OF THE SPECIFICATIONS

RECORD DRAWINGS
PER SECTION 1700 OF THE SPECIFICATIONS INCLUDE THE FOLLOWING:
LAYOUT OF CIRCUITS AND PANELS WITH LABELS

PANEL BOARDS
PANELS SHALL BE UL LISTED AND MEET OR EXCEED ALL OF THE LATEST NEMA AND UL STANDARDS
BUSSING SHALL BE COPPER WITH SILVER PLATING
PROVIDE SOLID NEUTRAL BAR
PROVIDE PLASTIC COVERED TYPE WRITTEN SCHEDULE IDENTIFYING ALL BRANCH CIRCUITS INSIDE EACH PANEL

CIRCUIT BREAKERS
THERMAL MAGNETIC TYPE, QUICK MAKE, QUICK BREAK, BOLT ON TYPE OF SINGLE UNIT CONSTRUCTION.
TWO AND THREE POLE SHALL BE SINGLE UNIT COMMON TRIP TYPE
BREAKERS FOR HVAC EQUIPMENT SHALL BE RATED HACR

DISCONNECT SWITCHES
PANELS SHALL BE UL LISTED AND MEET OR EXCEED ALL OF THE LATEST NEMA AND UL STANDARDS

CONDUIT
SIZE TO COMPLY WITH NEC FOR NUMBER AND SIZE OF CONDUCTORS
BELOW GRADE USE SCHEDULE 40 PLASTIC OR RIGID STEEL @ 24" MINIMUM DEPTH AND 3/4" MINIMUM DIAMETER
PROVIDE RIGID STEEL ELBOWS @ UNDERGROUND SLAB PENETRATIONS
PROVIDE EMT, ARMOR CABLE, OR FLEXIBLE CONDUIT (10' OR LESS @ END OF CIRCUIT IF SECURED TO J BOX) FOR INTERIOR APPLICATIONS
PROVIDE COMPRESSION OR SCREW TYPE FITTINGS AND COUPLINGS

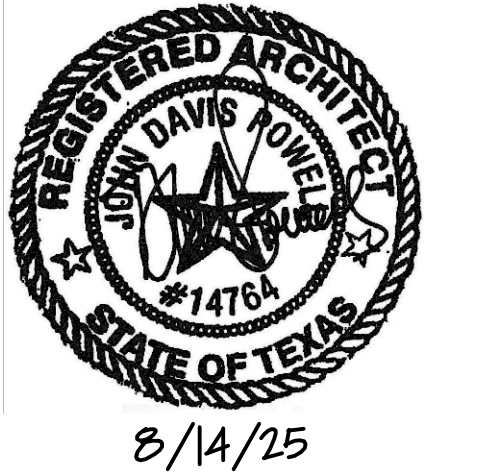
CONDUCTORS
INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR CODING B AND S GAUGE.
#10 AND SMALLER TO BE SOLID #8 AND LARGER SHALL BE STRANDED WITH A MINIMUM OF #12 UNLESS OTHERWISE INDICATED
INSULATION TYPES AS FOLLOWS:
#10 AND SMALLER THW, THWN, OR THHN
#8 TO #4/0 THW OR THHN
SERVICE ENTRANCE RHW
OVER #4/0 THW
WIRE THRU FL FIXTURES OR WITHIN 3' OF HEATING EQUIPMENT THHN

GROUNDING SYSTEM
PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUIT, SUPPORTS, PANELS, AND SYSTEM NEUTRAL CONDUCTORS.
MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM
GROUND CLAMPS SHALL BE SPECIFICALLY FOR DESIGNED FOR GROUNDING
GROUND CLAMPS SHALL GROUND CONDUCTOR AND CONDUIT
ALL CIRCUITS IN FLEX CONDUIT OR PLASTIC SHALL INCLUDE A GROUND WIRE SIZED IN ACCORDANC WITH NEC TABLE 250

DEVICES AND COVER PLATES
DEVICES AND COVER PLATES SHALL BE PLASTIC IVORY

INSTALLATION
LAYOUT BRANCH CIRCUIT WIRING AND ARRANGE HOME RUNS FOR MAXIMUM ECONOMY AND EFFICIENCY.
INCREASE SIZE OF WIRE AND CONDUIT SIZE ACCORDINGLY IF VOLTAGE DROPS EXCEED 3% OR LENGTH OF RUN EXCEEDS 100'
CONCEAL WIRING SYSTEM ABOVE CEILING OR IN WALLS WHERE POSSIBLE
INSTALL CONDUIT AND WIRING PARALLEL OR PERPENDICULAR TO BUILDING AVOIDING CONFLICTS WITH DUCTS, PIPES, AND WALLS
INSTALL CONDUIT CONTINUOUS BETWEEN BOXES WITH NO MORE THAN 4 90DEG BENDS
SECURE CONDUIT IN PLACE WITH CLAMPS, STRAPS, HANGARS, OR SUPPORTS AS REQUIRED
DO NOT FEED THRU SWITCHES OR OUTLETS TO NEXT DEVICE
THE DISCONNECTION OF AN OUTLET, FIXTURE, OR DEVICE FED FROM A BOX SHALL NOT INTERRUPT THE CONDUCTOR CONTINUITY
TEST AND ADJUST ALL ELECTRICAL EQUIPMENT FOR PROPER OPERATION
COMPLETED SYSTEM SHALL BE FREE OF SHORT CIRCUITS
TOUCH UP, CLEAN, OR REFINISH DAMAGED SURFACES WITHIN PUBLIC VIEW FOR NEW APPEARANCE
EXPOSED CONDUIT SHALL BE PAINTED TO MATCH SURROUNDING SURFACES OR AS DIRECTED BY ARCHITECT.
IDENTIFY PANELS AND CIRCUITS WITH TYPE WRITTEN LABELS
IDENTIFY UNDERGROUND CONDUIT WITH BRIGHTLY COLORED MARKING TAPE INTENDED FOR ELECTRICAL IDENTIFICATION OF ELECTRICAL LINES

RECORD DRAWINGS
PROVIDE DRAWING OF LOCATION OF PANELS, CIRCUIT HOME RUN LOCATIONS, OUTLETS, DISCONNECTS, AND PANEL SCHEDULES AND INCLUDE IN CLOSE OUT DOCUMENTS PROVIDED TO THE OWNER.



2025 FIELD HOUSE IMPROVEMENTS
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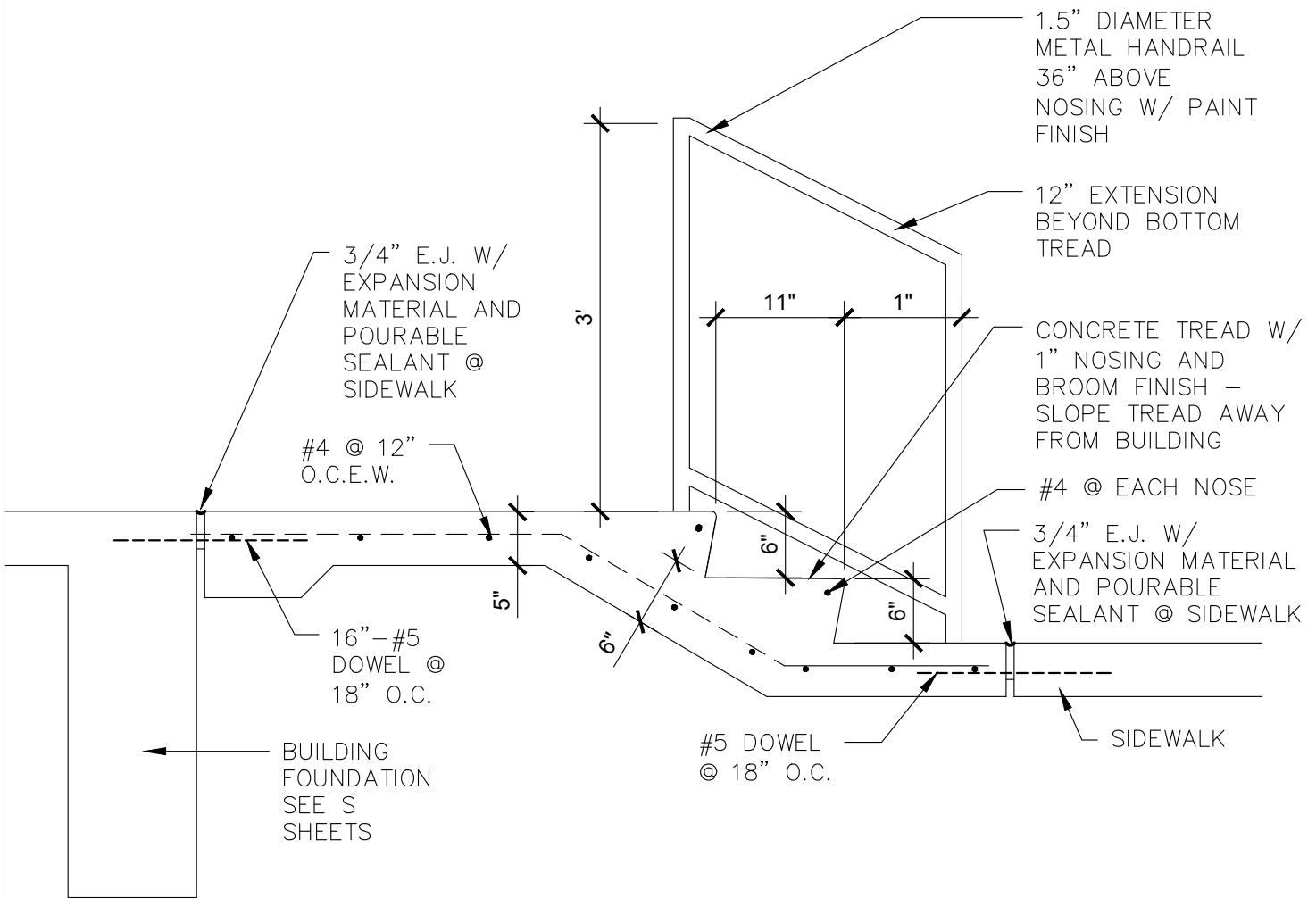
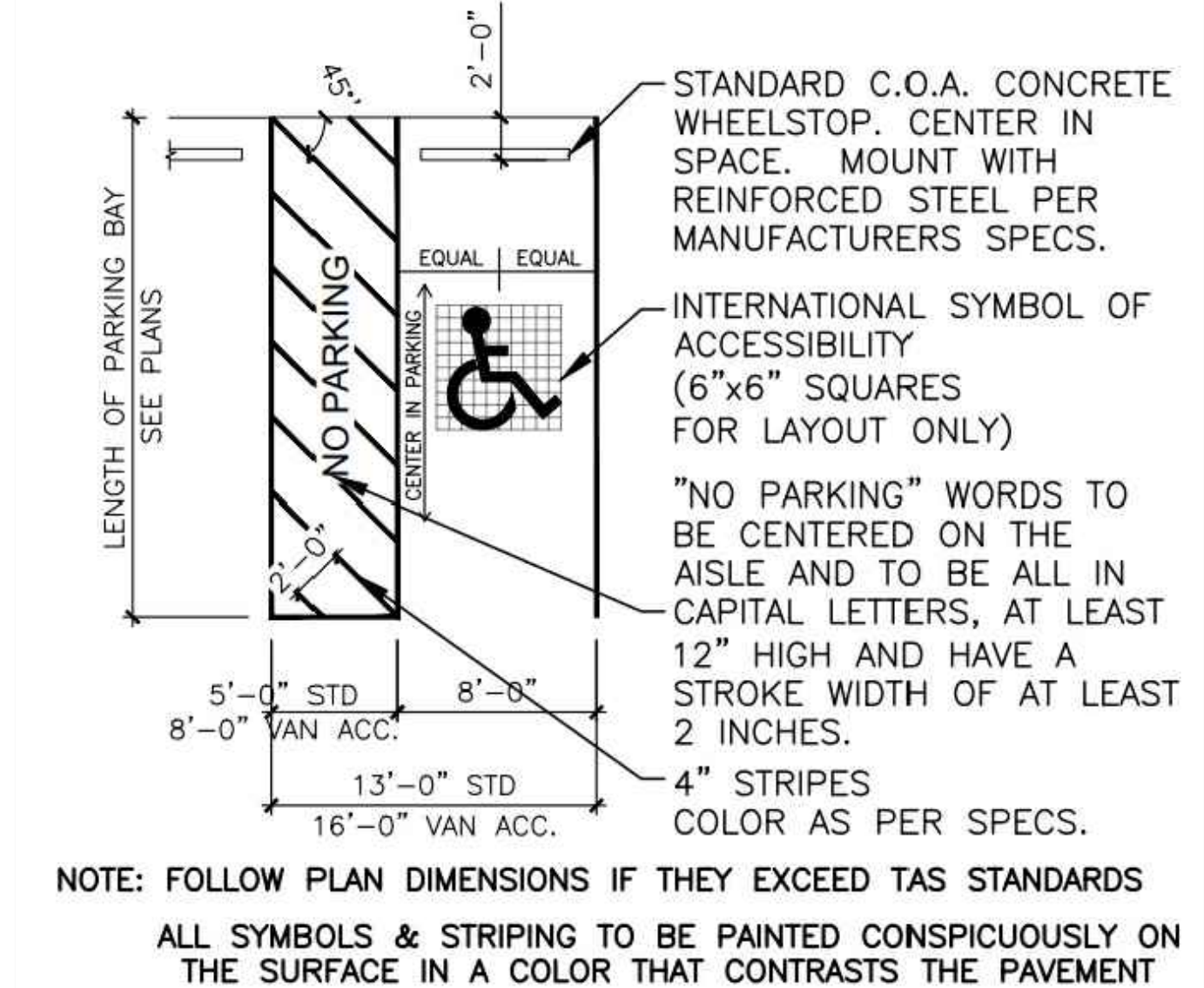
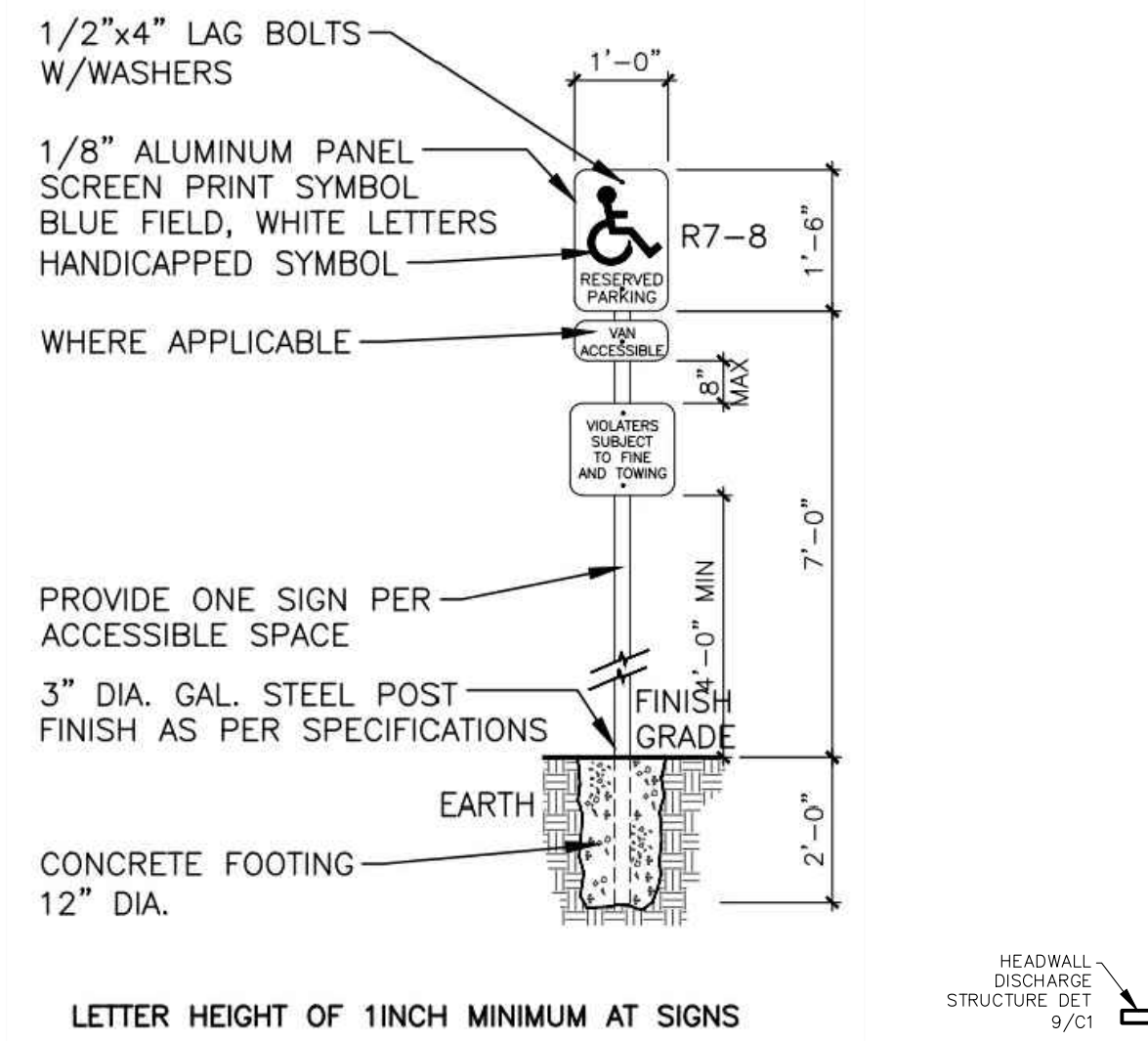
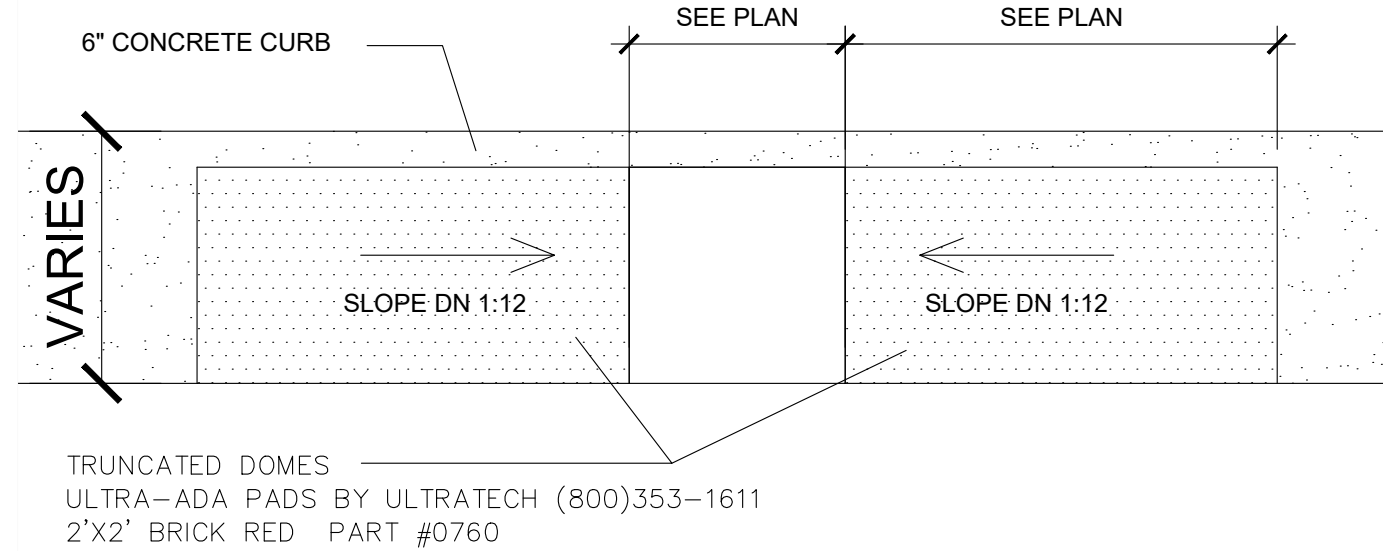
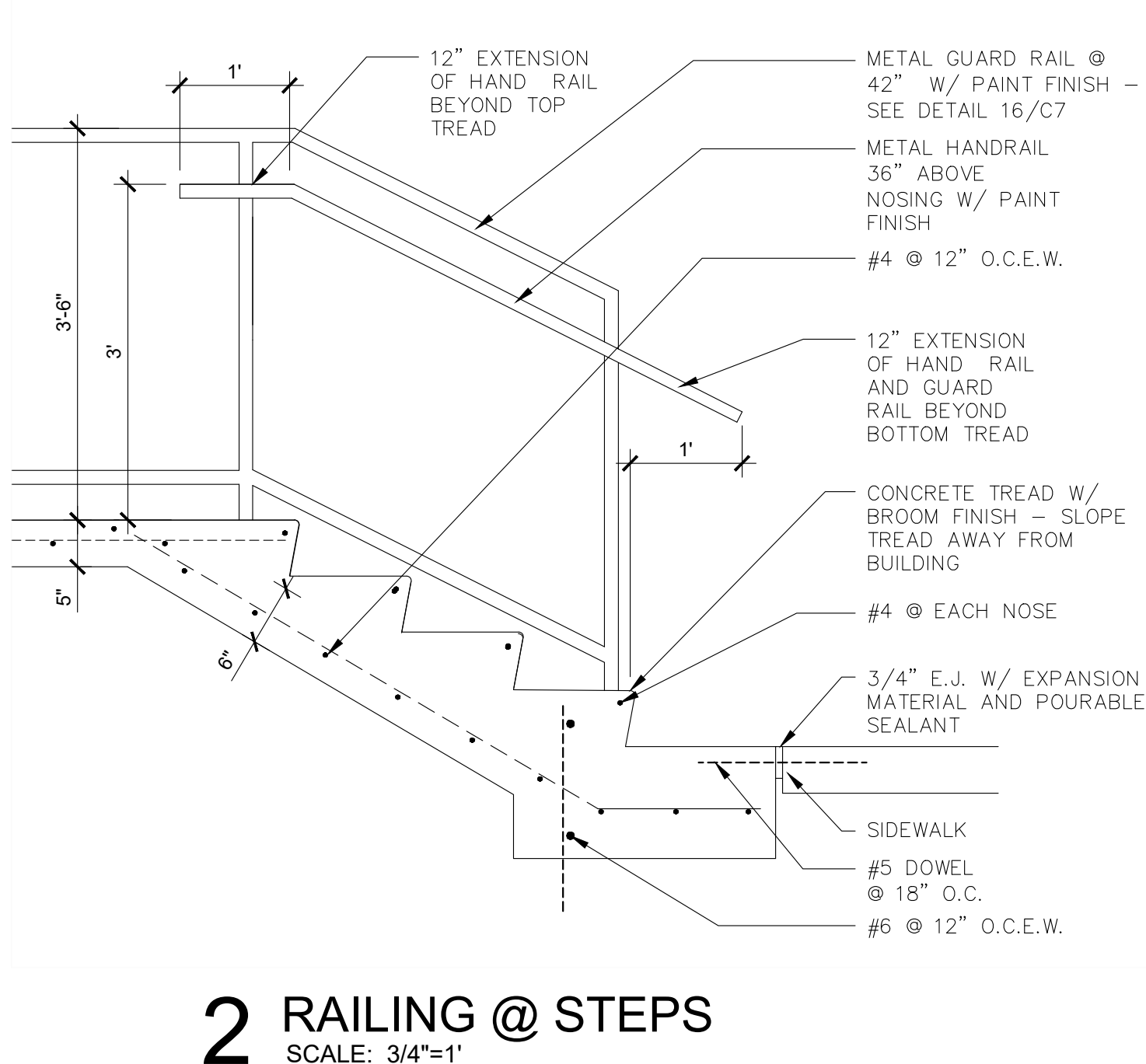
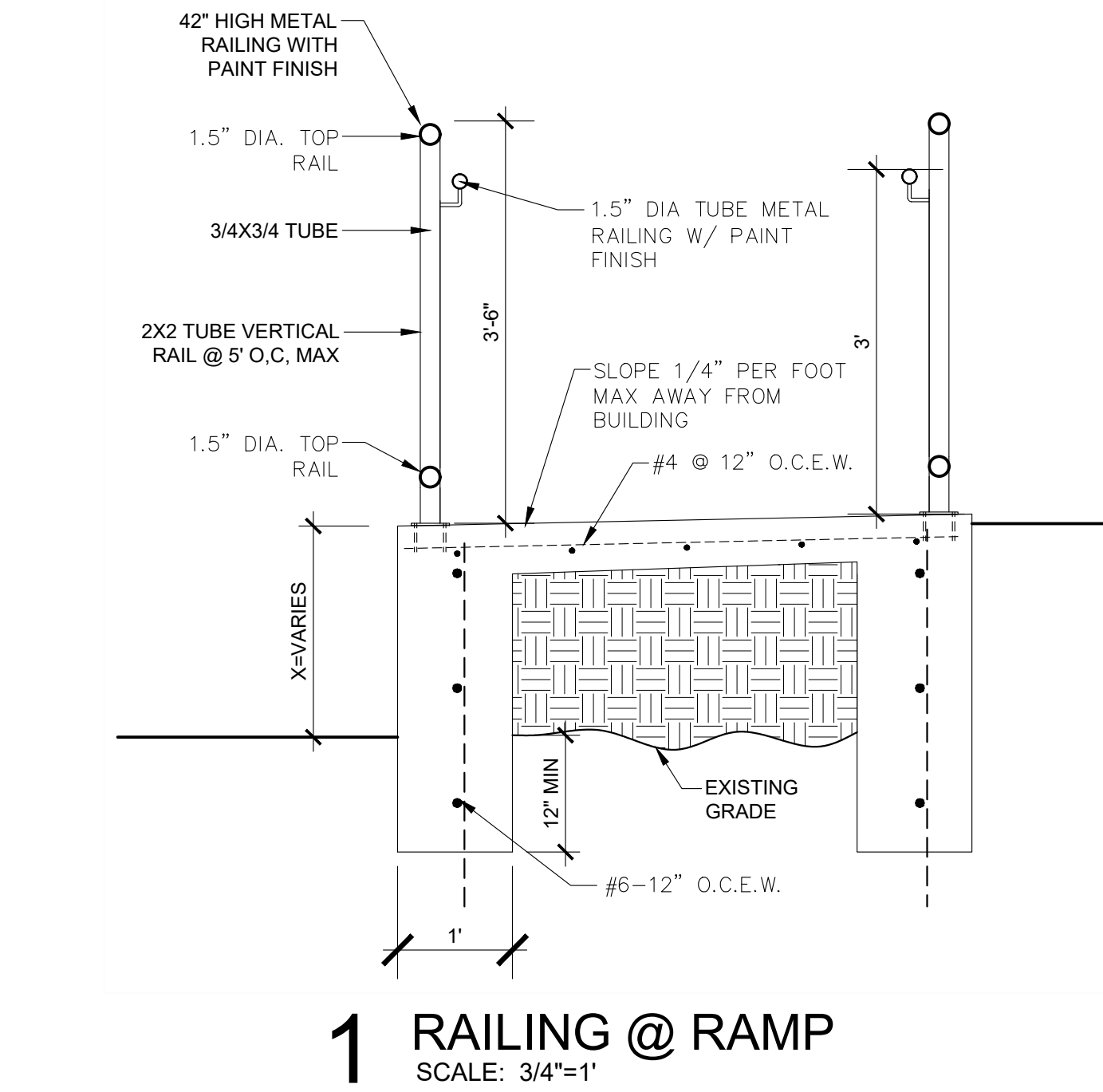
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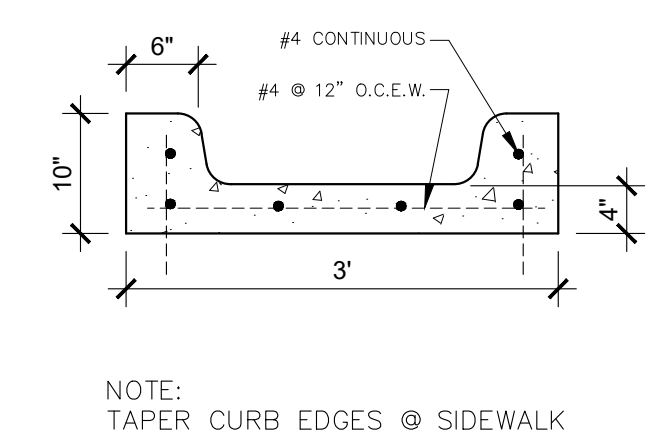
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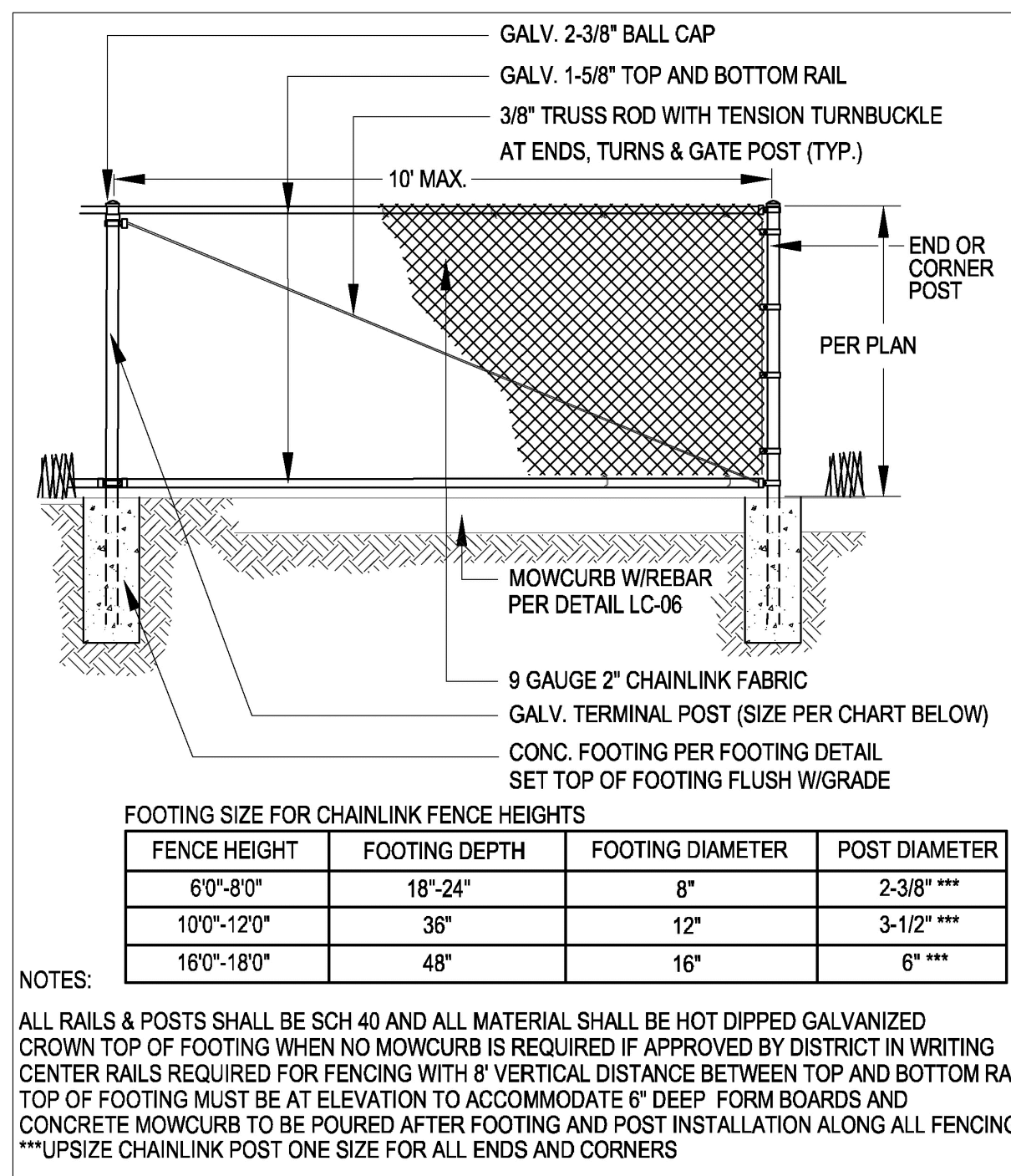


OVERALL LAYOUT
SITE PLAN
SCALE: 1"=30'

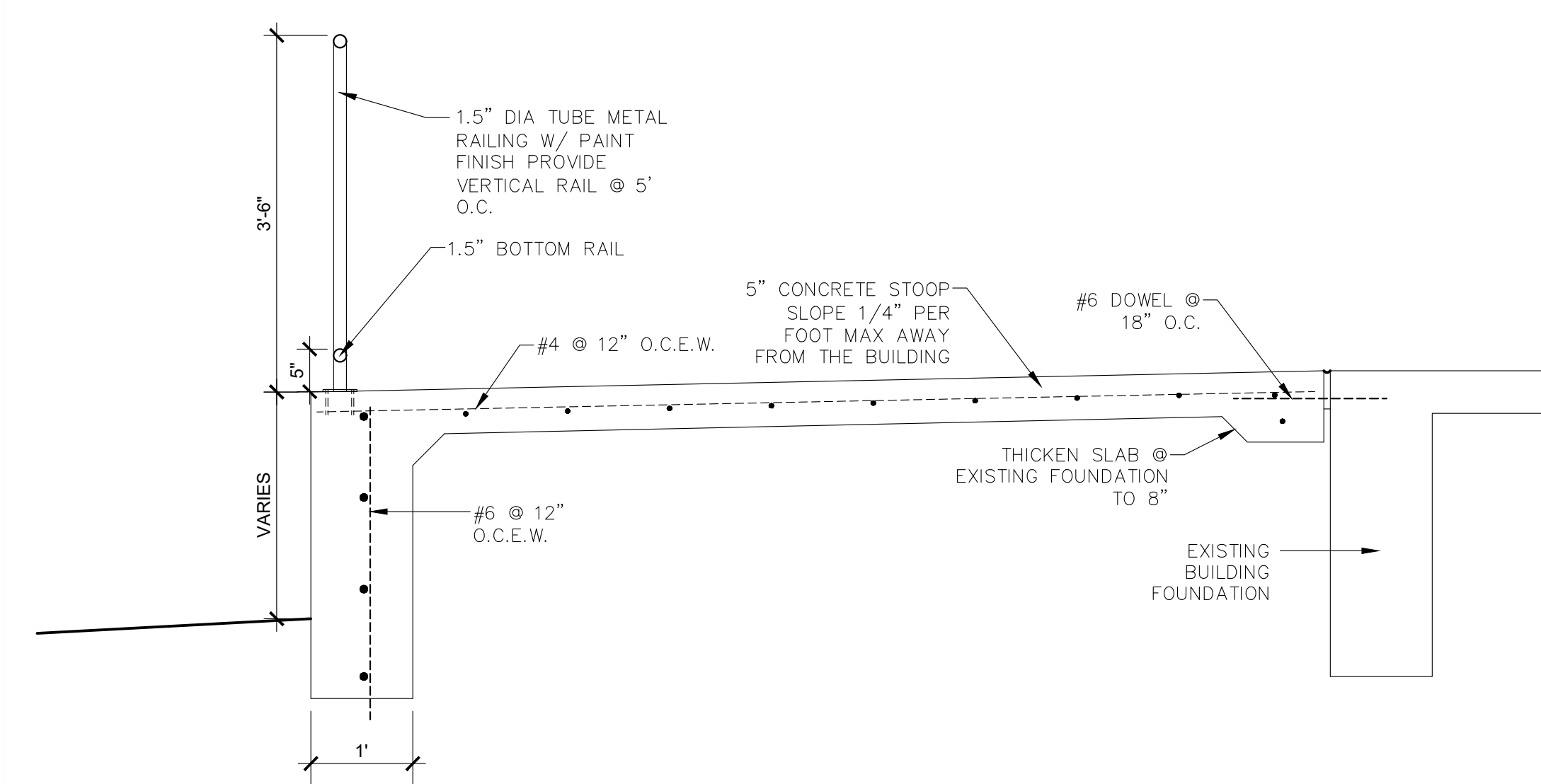
7 CONCRETE FLUME
SCALE: 3/4"=1'



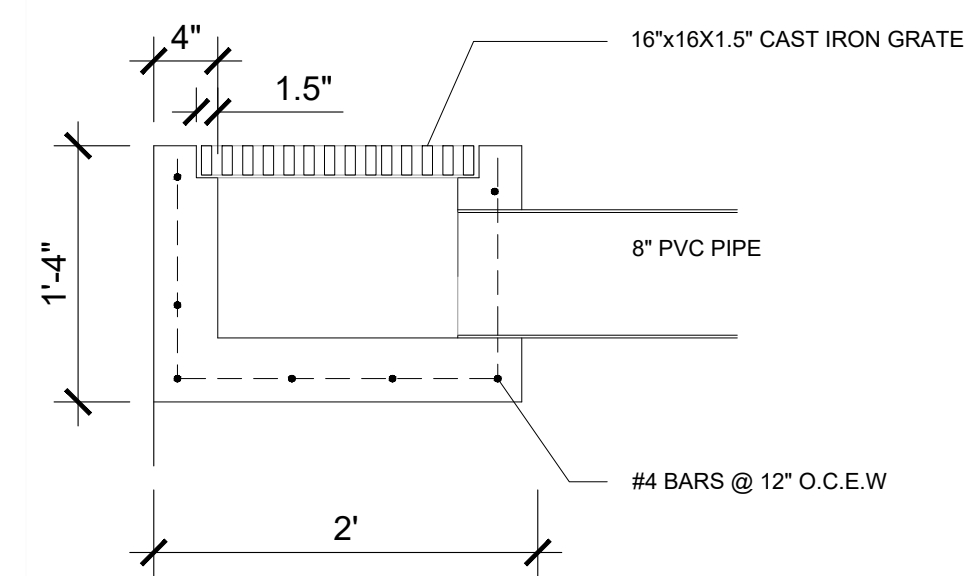
8 CHAIN LINK FENCE
SCALE: 3/4"=1'



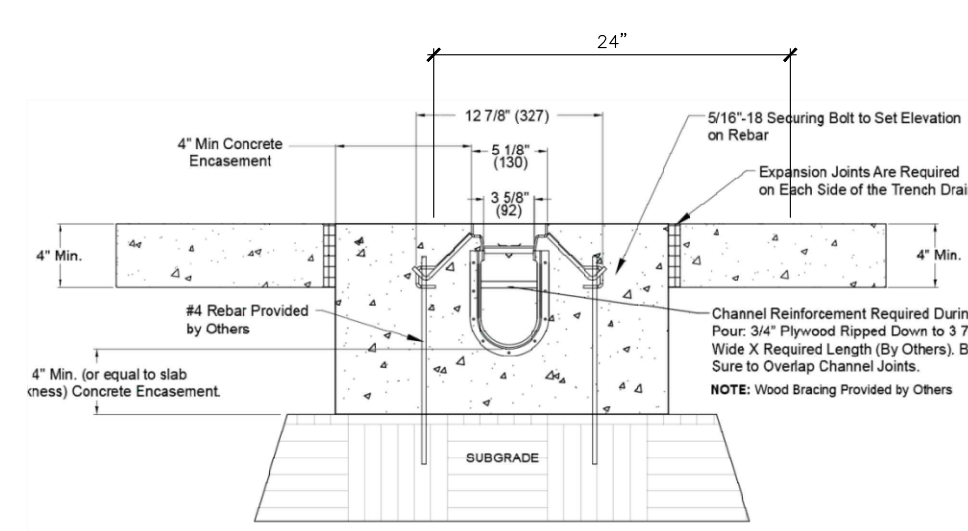
9 STOOP @ EQUIPMENT ROOMS
SCALE: 3/4"=1'



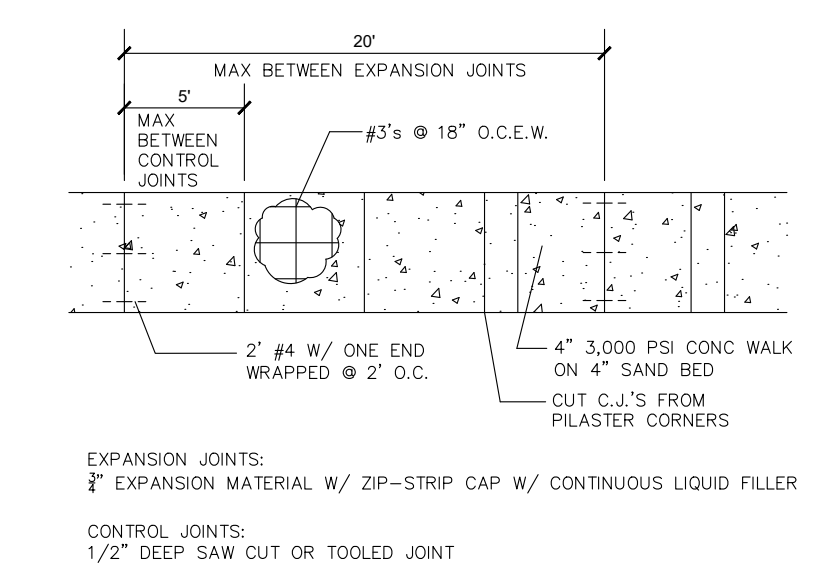
10 AREA DRAIN
SCALE: 1"=1'



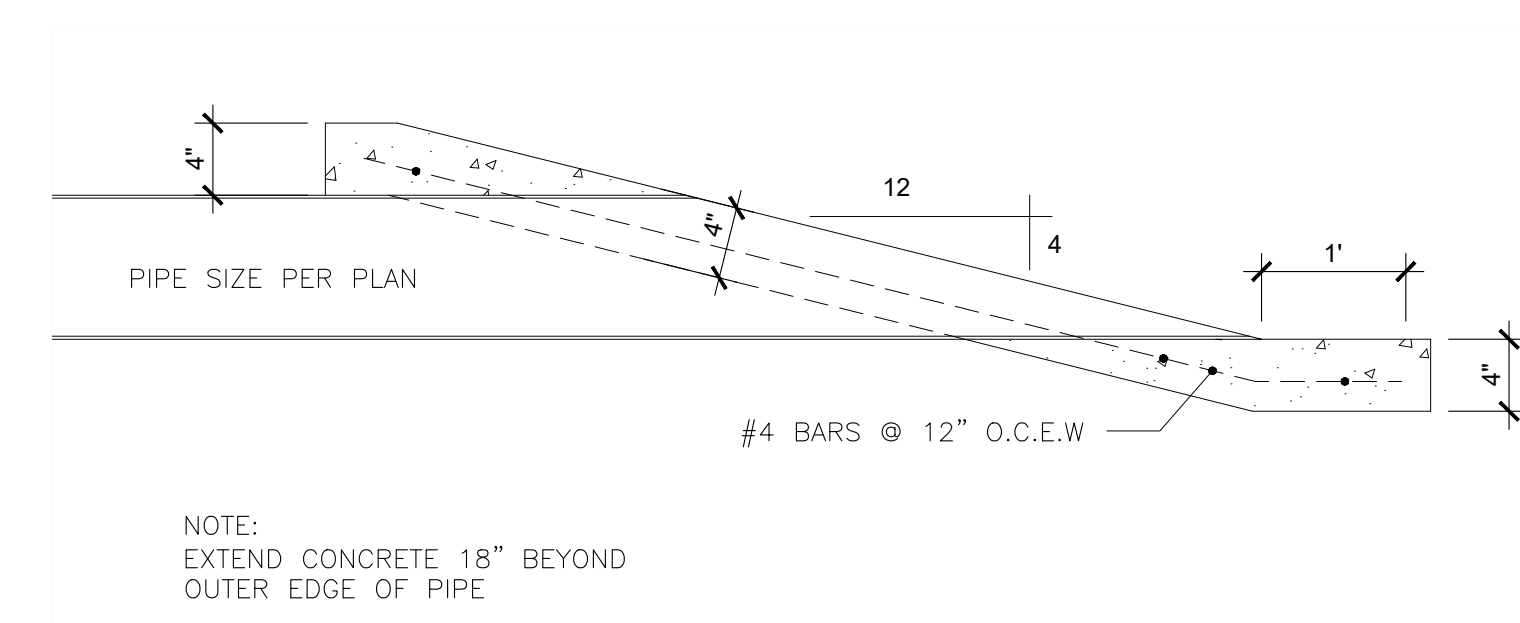
11 TRENCH DRAIN
SCALE: 1"=1'



12 DISCHARGE
SCALE: 1"=1'



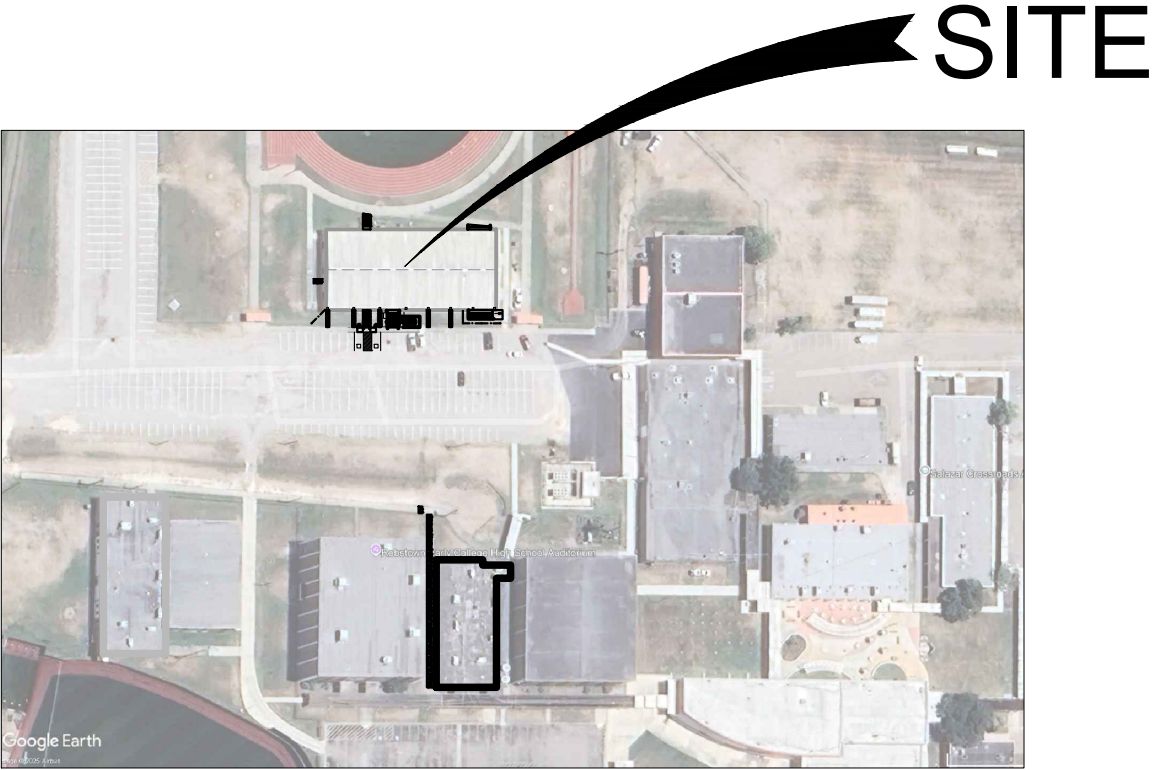
13 DISCHARGE
SCALE: 1"=1'



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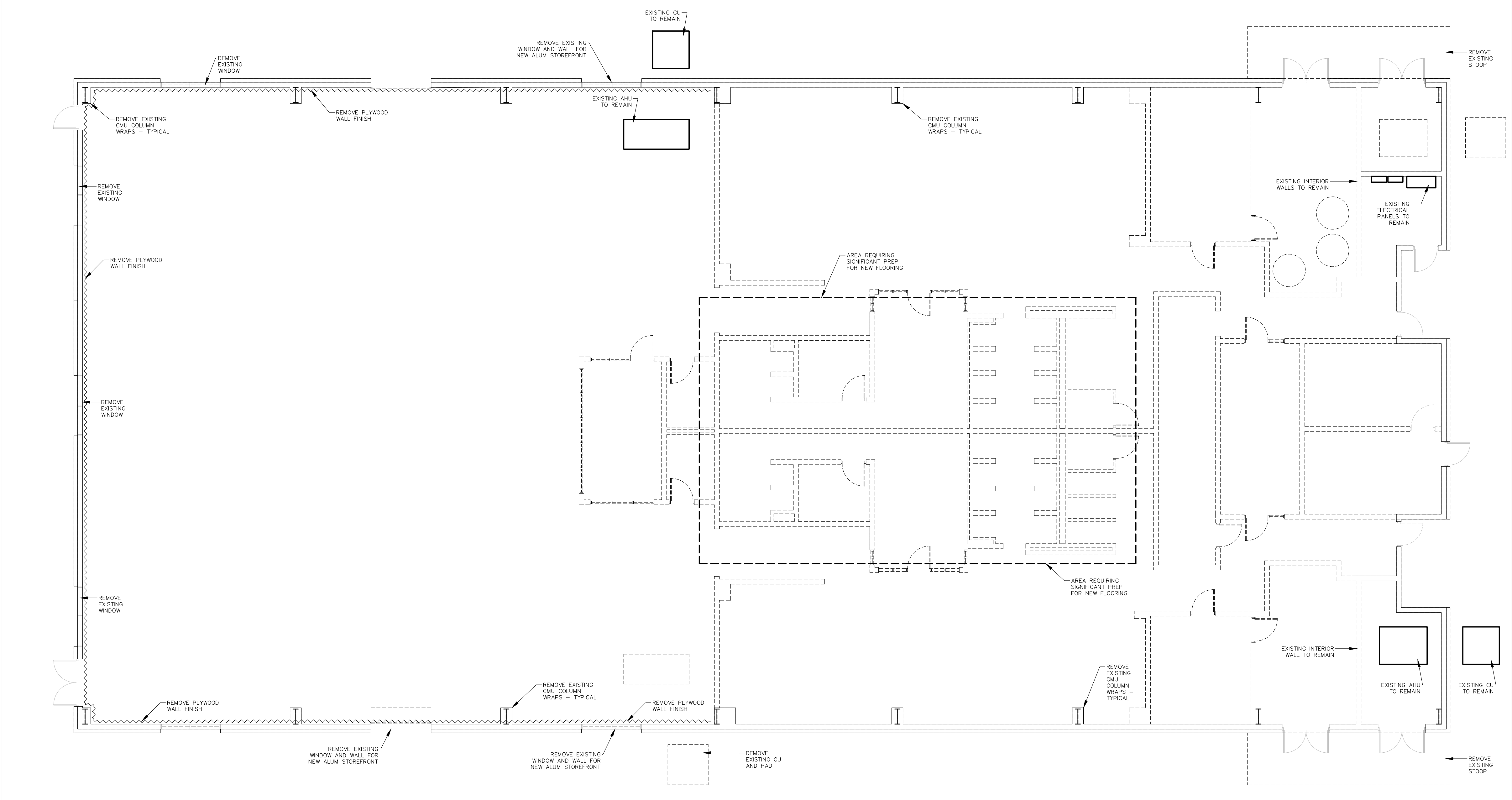


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LOCATION MAP

NO SCALE



SCOPE OF WORK:

1.

REMOVE CMU COLUMN WRAPS
2.

REMOVE EXISTING PLYWOOD ON WALL
3.

PREPARE CONCRETE FOUNDATION FOR POLISHING
4.

REMOVE WINDOWS AND DOORS WHERE NOTED
5.

CUT SLAB FOR NEW PLUMBING PER P SHEETS

DEMOLITION SYMBOLS:

- EXISTING WALL TO REMAIN
- EXISTING WALL/ITEM TO BE REMOVED

DEMOLITION NOTES:

1.

CONTRACTOR SHALL HAVE AT THE JOB SITE HAZARDOUS MATERIAL SURVEY PROVIDED BY OWNER. CONTRACTOR SHALL NOTIFY STATE HEALTH DEPARTMENT AS REQUIRED BY STATUTE 10 DAYS BEFORE THE START OF DEMOLITION.
2.

SEE SPECIFICATION SECTION 1740 FOR DISPOSAL INFORMATION

DEMOLITION PLAN

SCALE: 1"=8'

2025 FIELD HOUSE IMPROVEMENTS

ROBSTOWN ISD

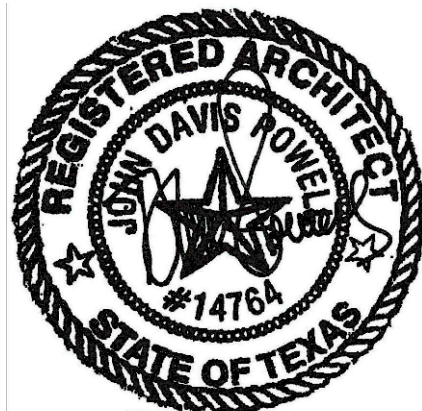
ROBSTOWN, TX



DATE:	8/14/25
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SHEET:

D1



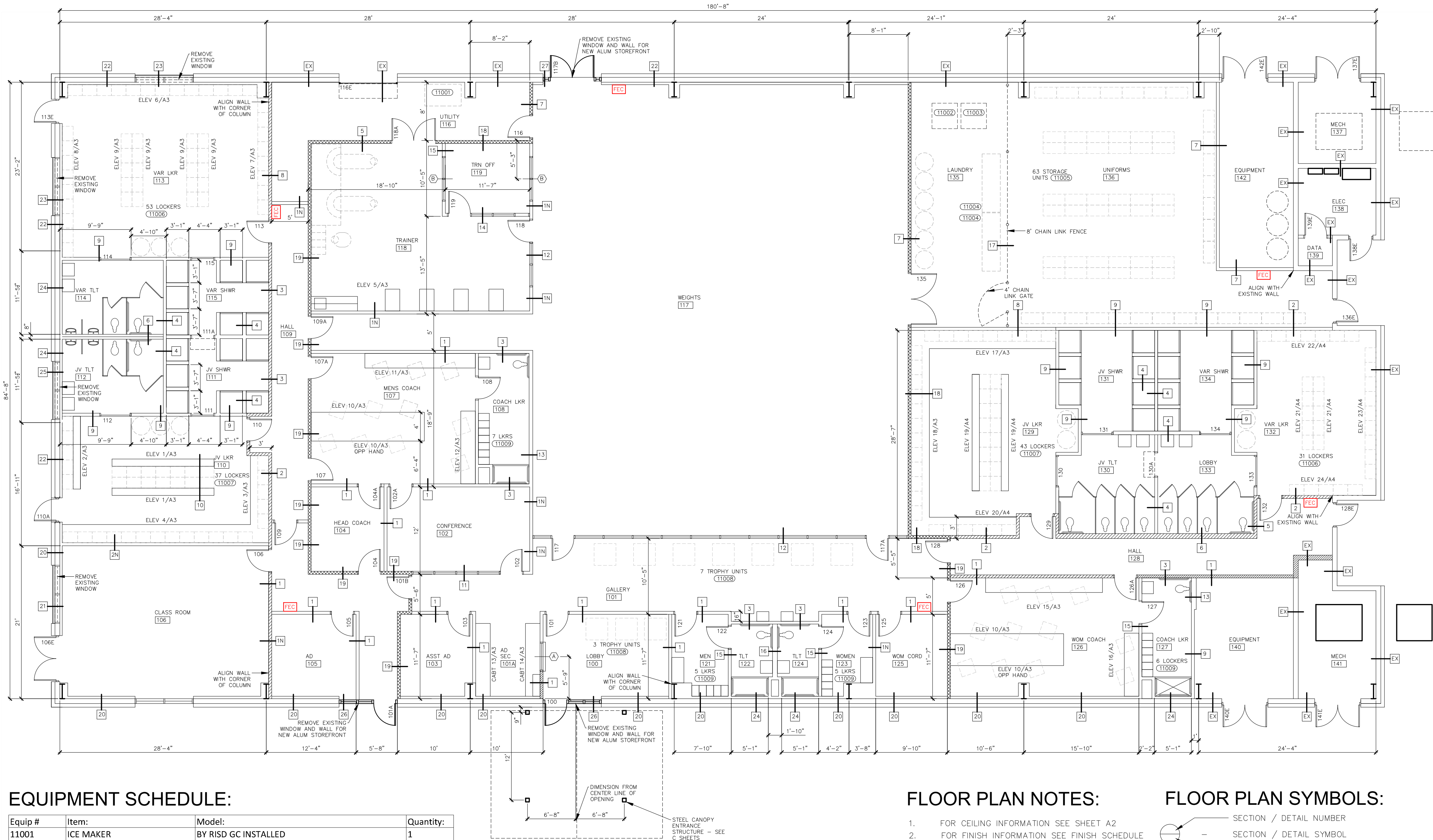
8/14/25

2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



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SHEET:
A1



EQUIPMENT SCHEDULE:

Equip #	Item:	Model:	Quantity:
11001	ICE MAKER	BY RISD GC INSTALLED	1
11002	WASHER	BY RISD GC INSTALLED	1
11003	DRYER	BY RISD GC INSTALLED	1
11004	WORK TABLES	Gusto WT3096-416 30" x 96" Stainless Work Table	2
11005	36X18X72 WIRE SHELVES	U LINE Chrome Wire Shelving Unit - 36 x 18 x 72"	63
11006	24X18X72 VARSITY LOCKER	BY RISD VENDOR	84
11007	24X18X72 JV 2 TIER LOCKER	BY RISD VENDOR	80
11008	24"x24"x6" DISPLAY CASE	BY RISD VENDOR	10
11009	12X18X72 COACH LOCKER	BY RISD VENDOR	13

FLOOR PLAN NOTES:

- FOR CEILING INFORMATION SEE SHEET A2
- FOR FINISH INFORMATION SEE FINISH SCHEDULE SHEET A2
- FOR DOOR INFORMATION SEE SHEET A11
- FOR WINDOW INFORMATION SEE SHEET A11
- FOR TOILET ACCESSORY INFO SEE SHEET A12

FLOOR PLAN SYMBOLS:

- SECTION / DETAIL NUMBER
- SECTION / DETAIL SYMBOL
- SECTION / DETAIL SHEET
- WALL TYPE SYMBOL - SEE SHEET A6, A7, A8, A9, A10
- WINDOW TYPE SYMBOL - SEE SHEET A12
- FIRE EXTINGUISHER AND CABINET PER SECTION 10522 OF THE SPECIFICATIONS

FIELD HOUSE
FLOOR PLAN
SCALE: 1/8"=1'

d a v i s p o w e l l a r c h i t e c t u r e

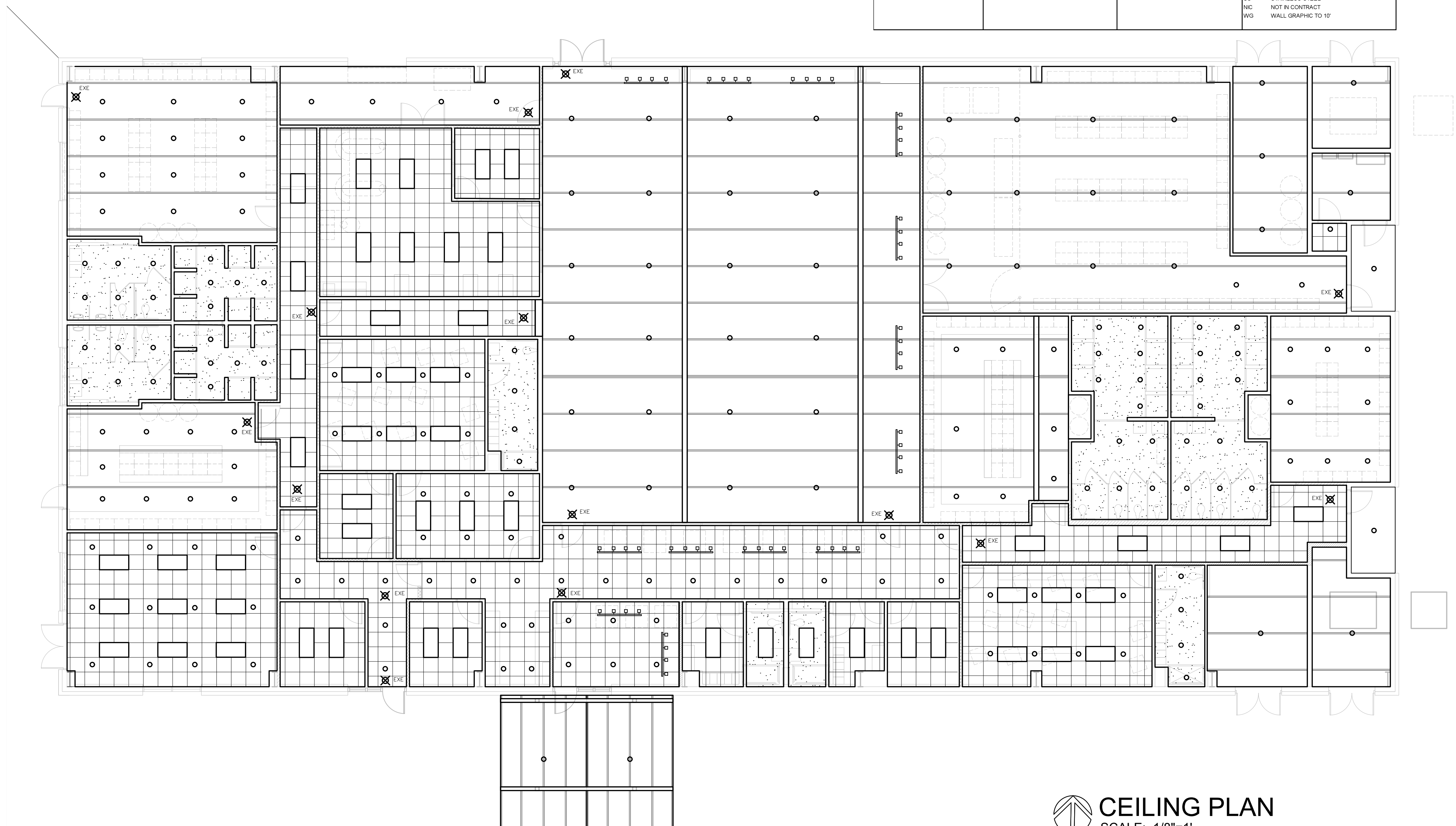
2025 FIELD HOUSE IMPROVEMENTS
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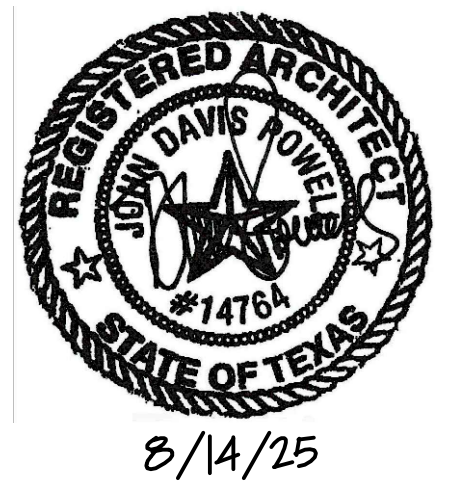
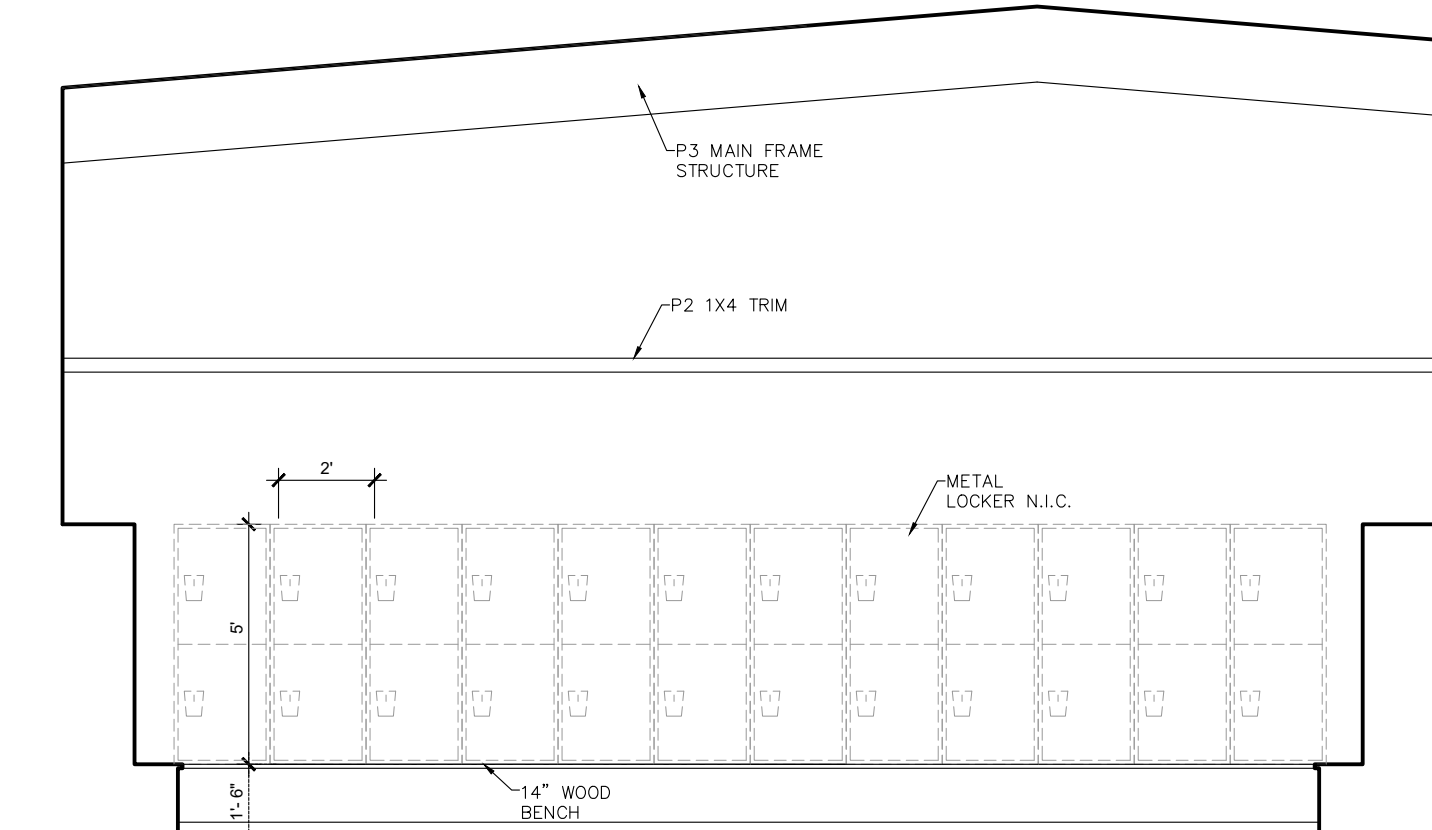
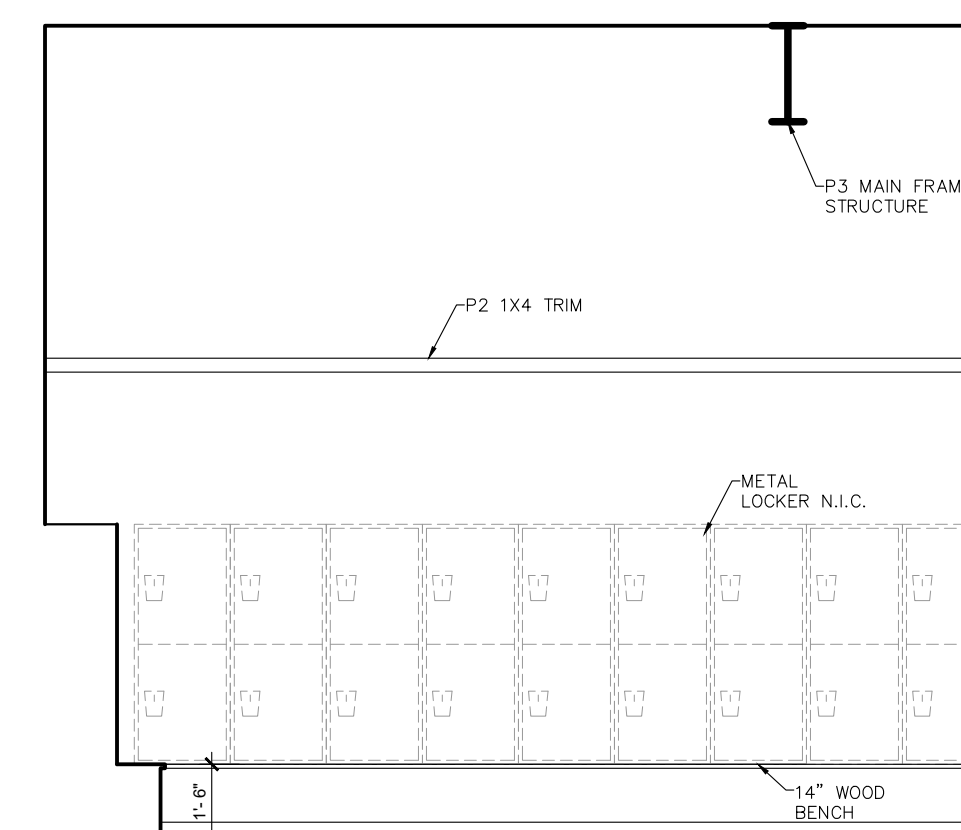
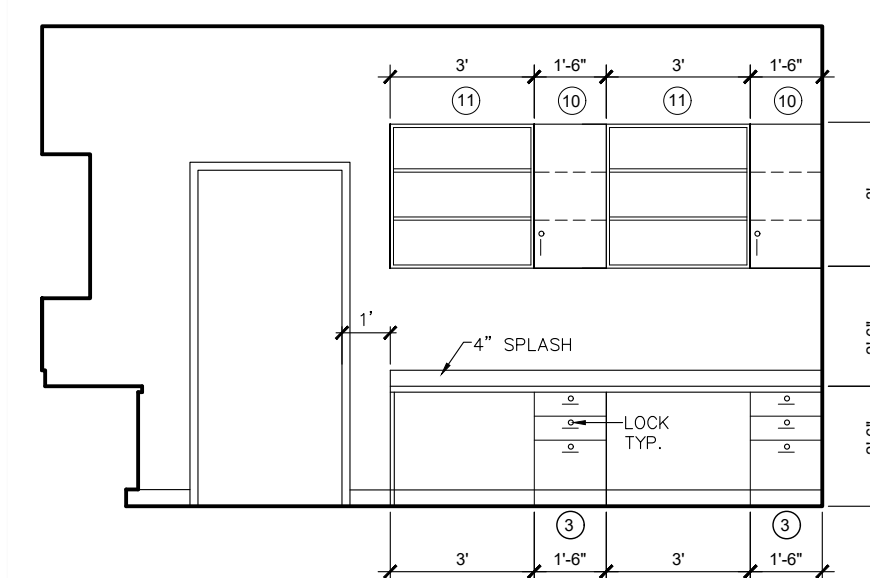
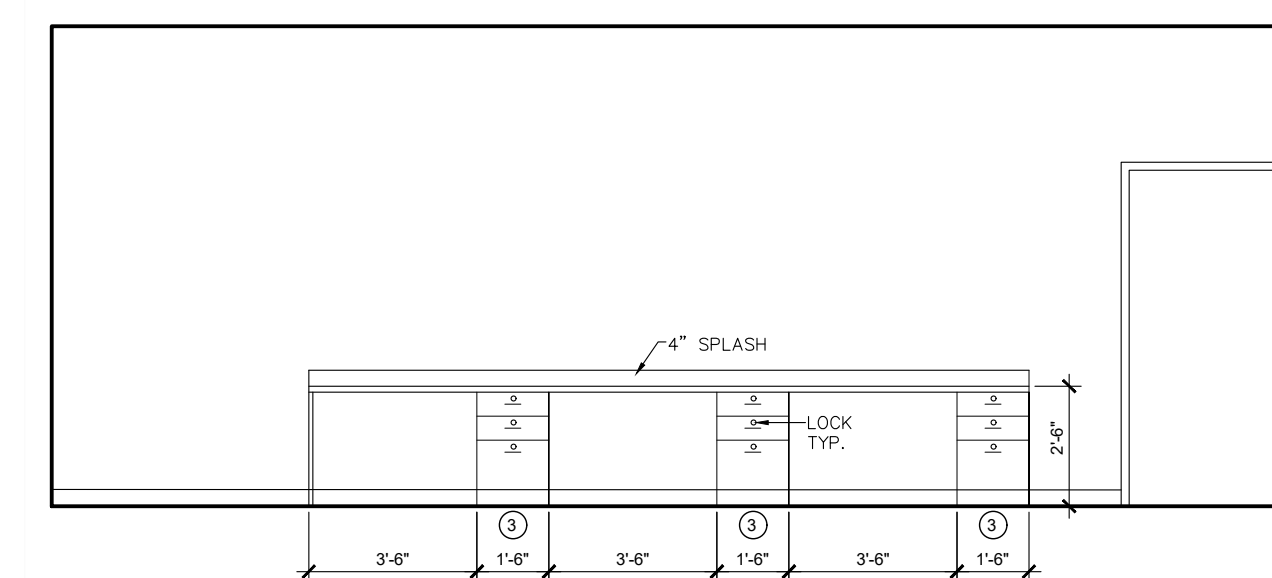
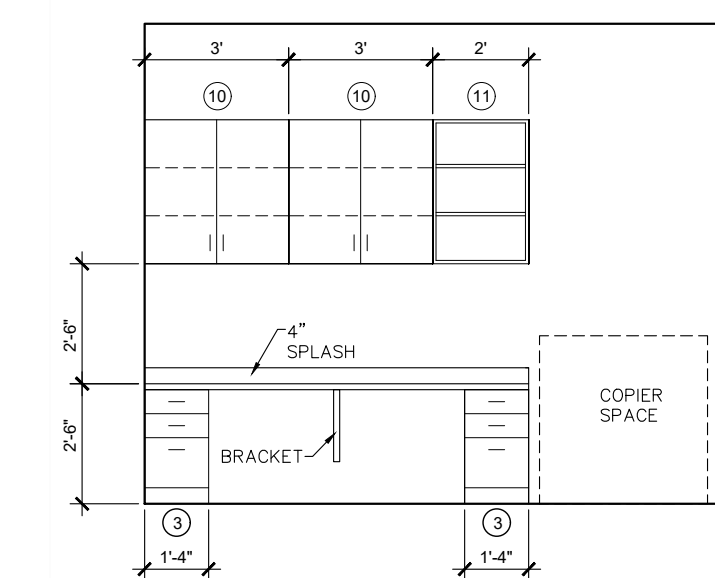
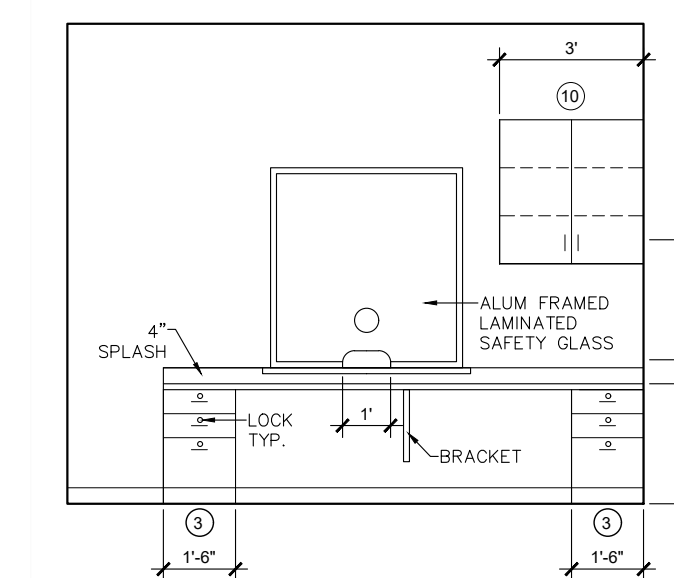
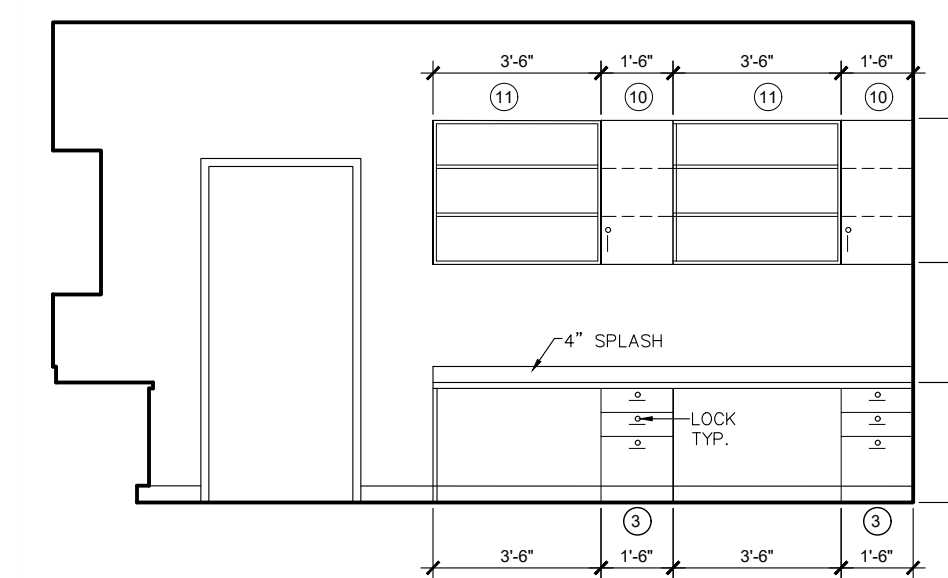
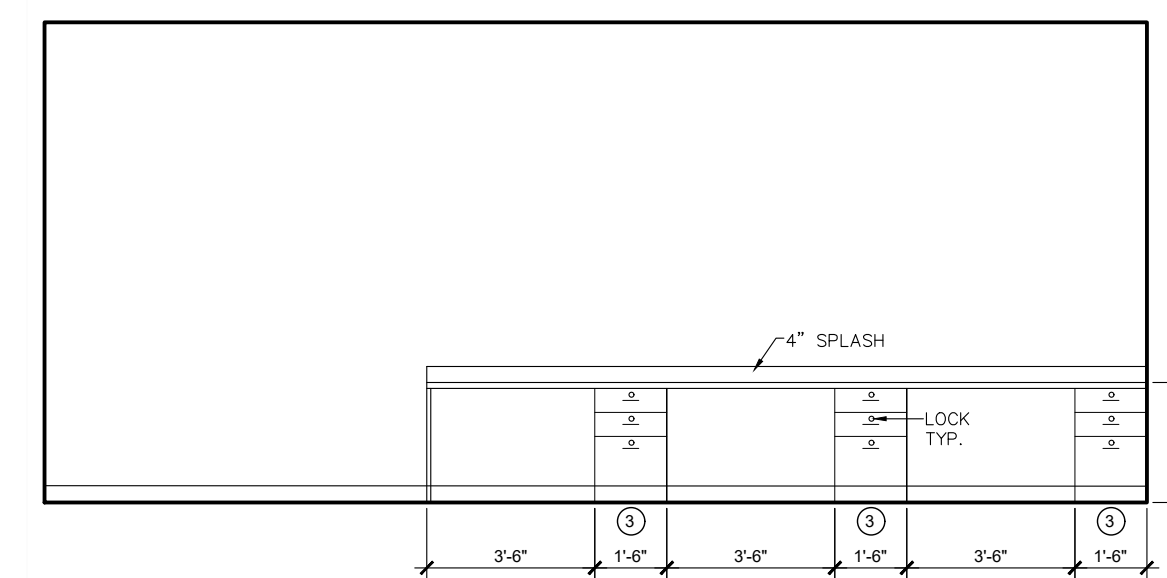
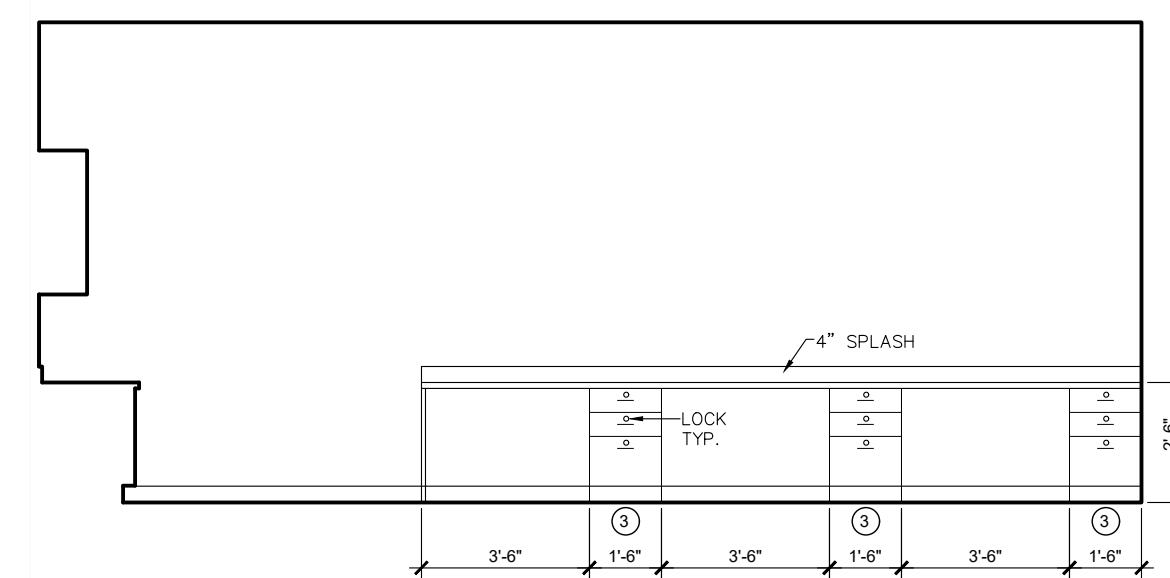
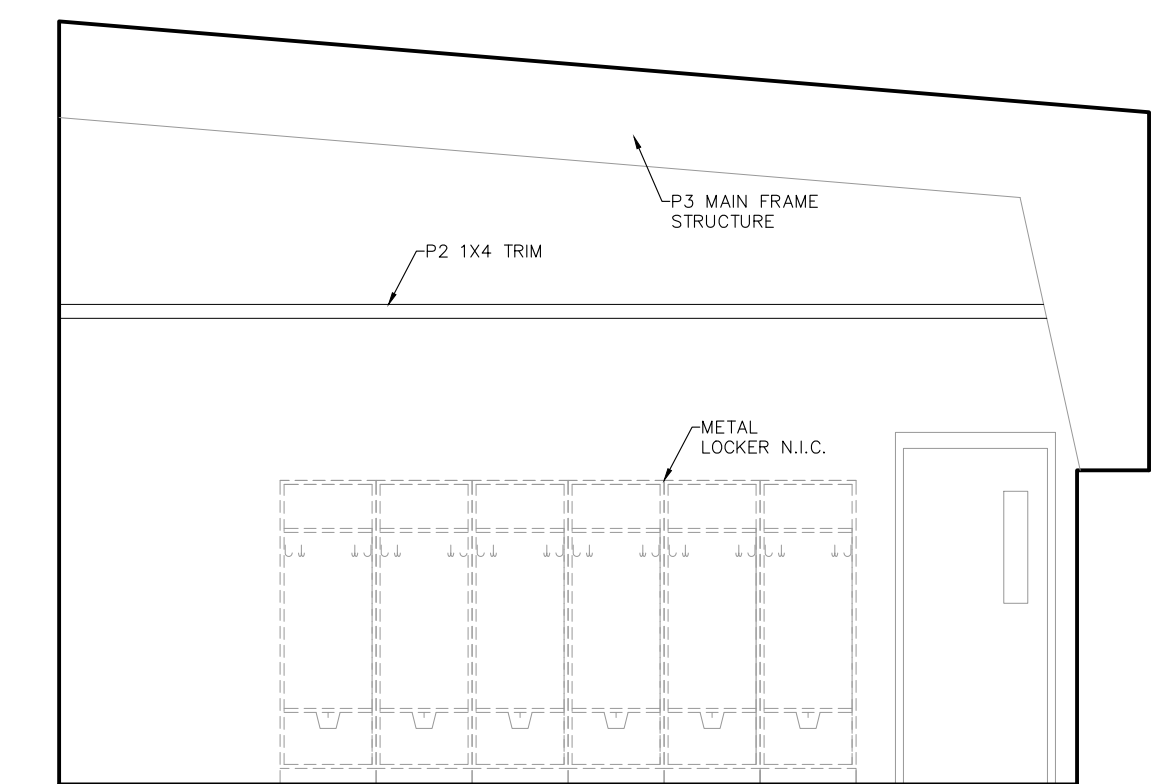
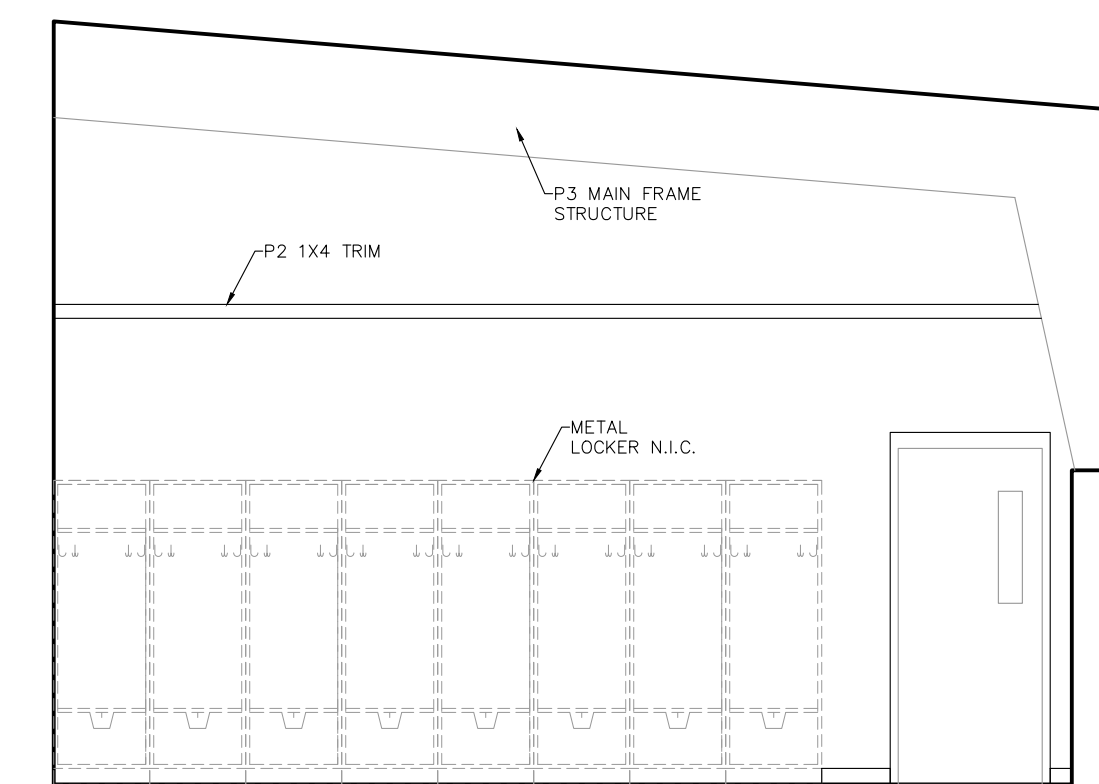
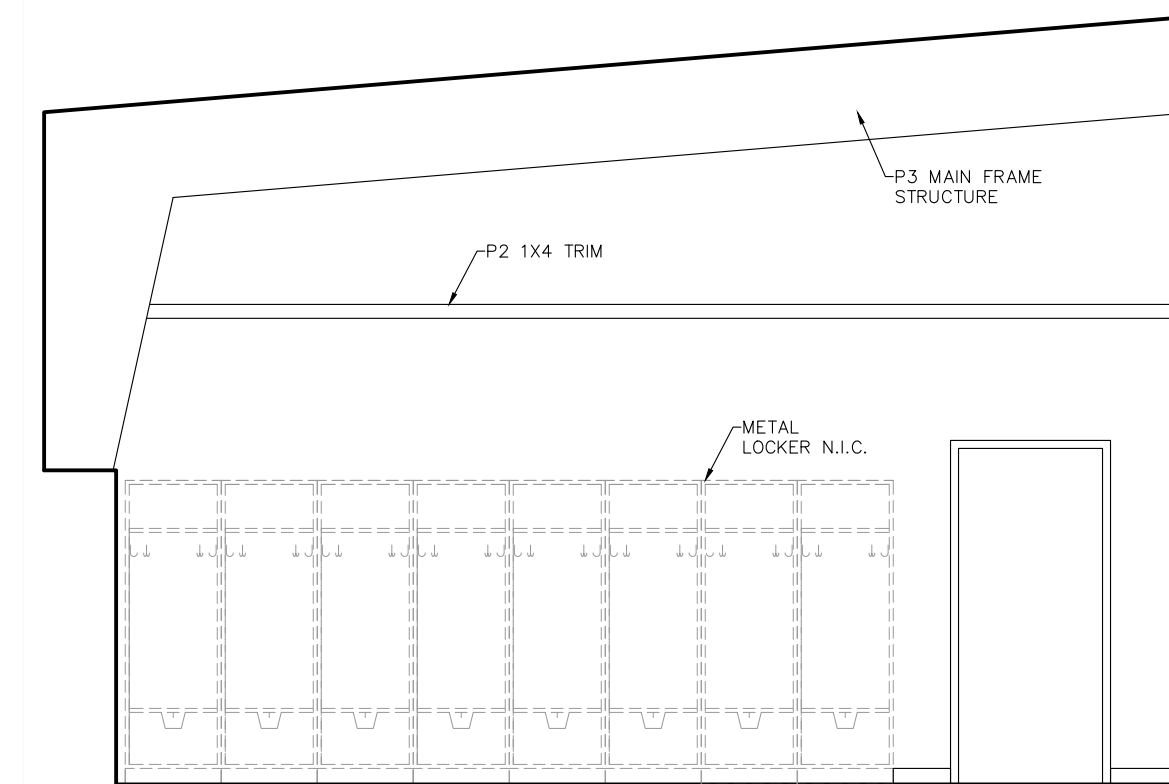
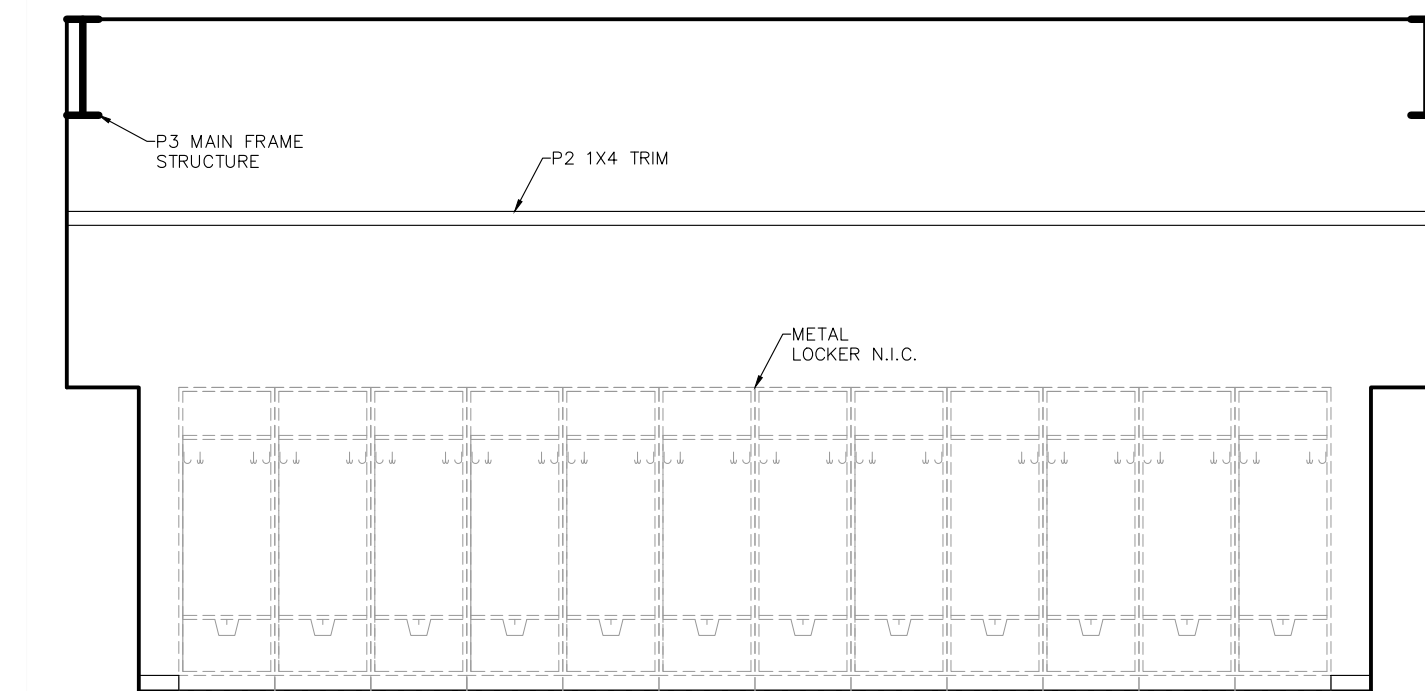
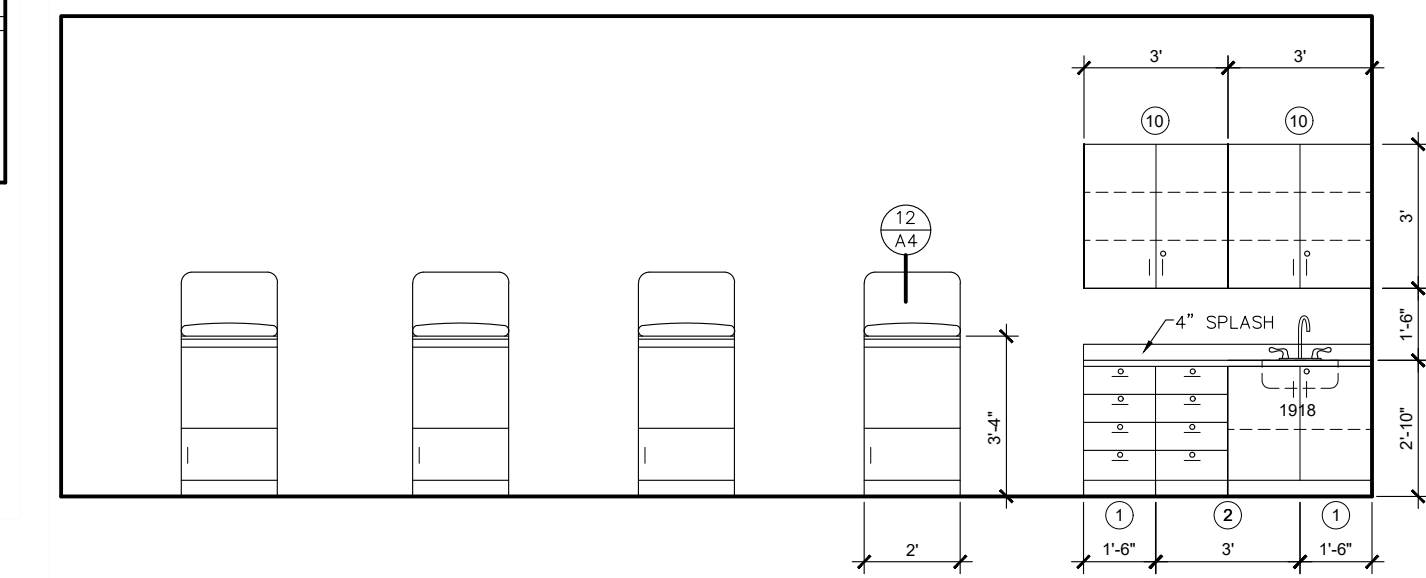
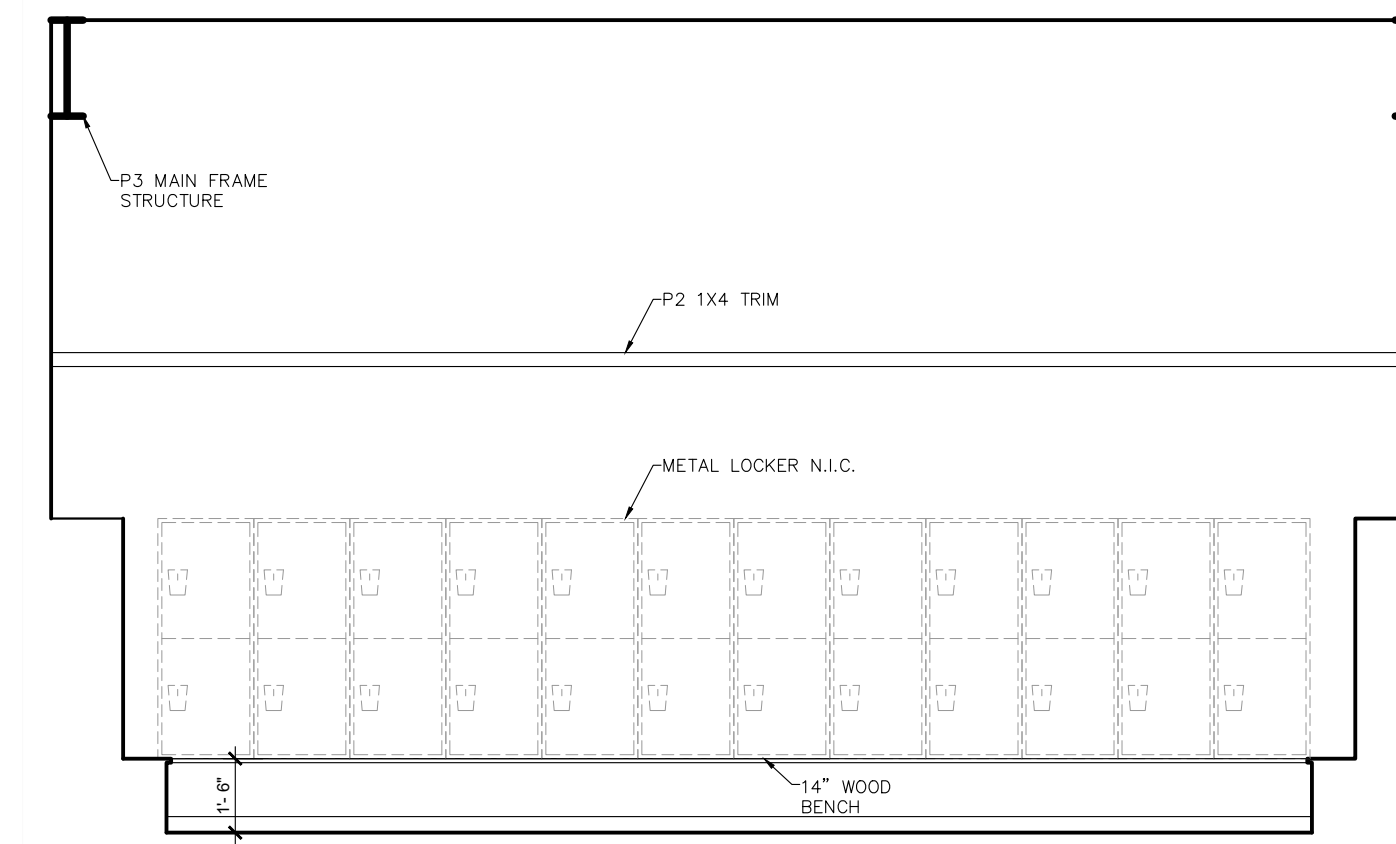
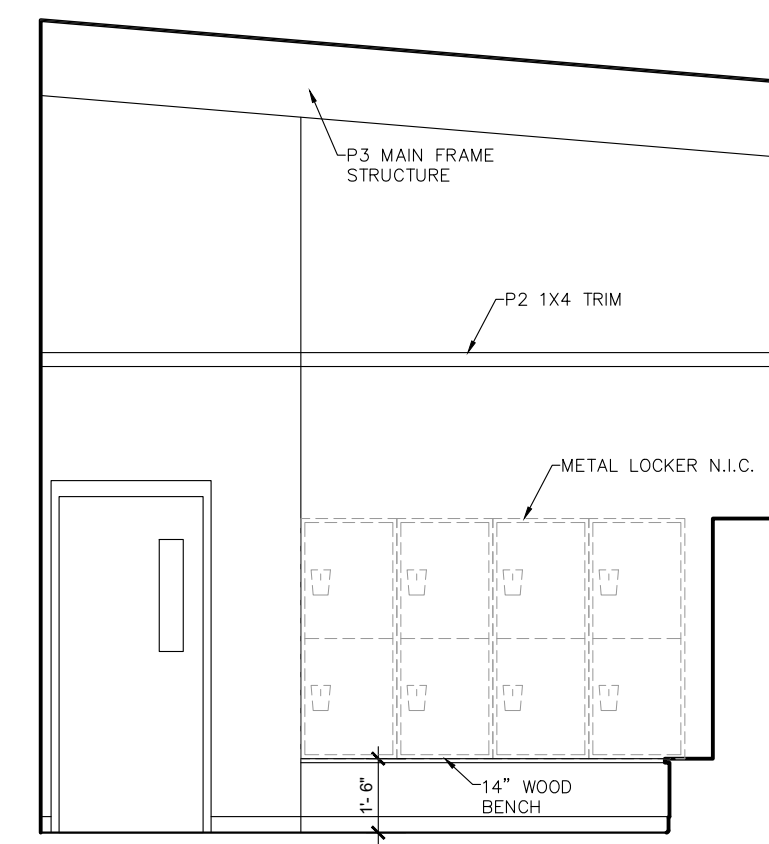
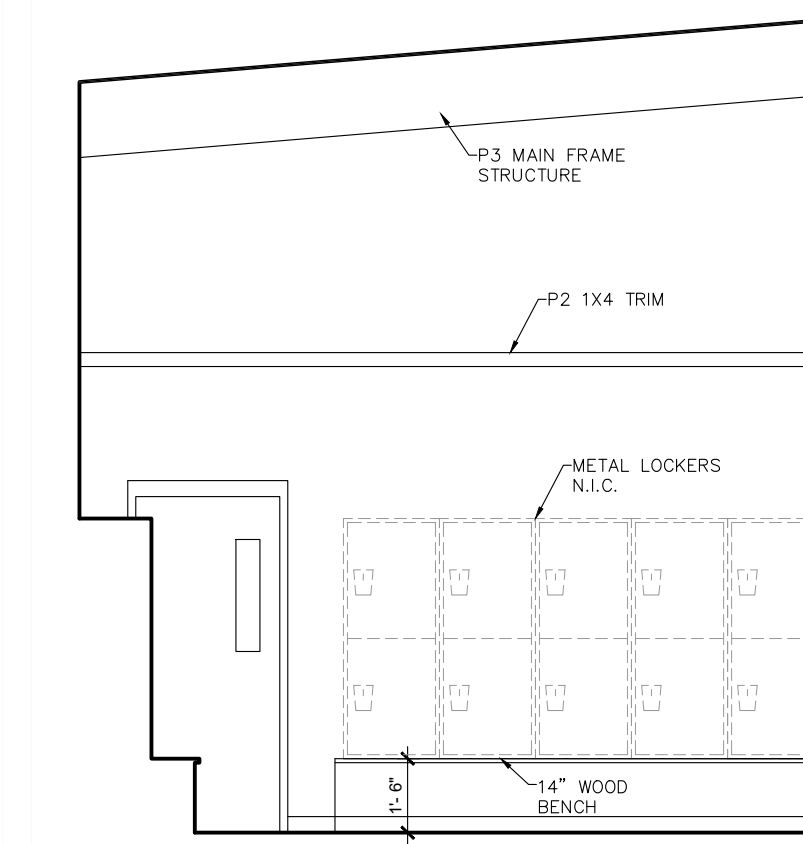
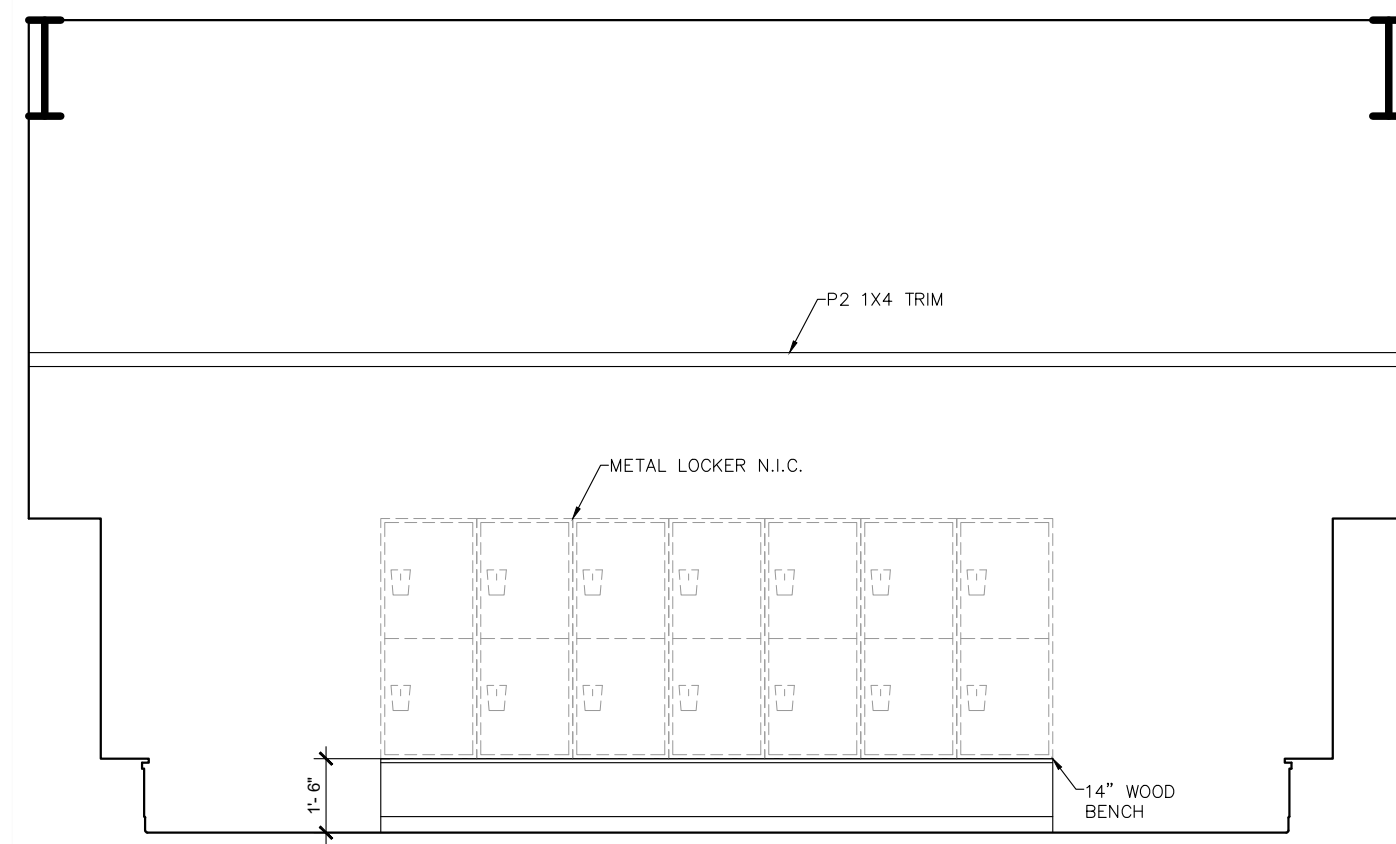
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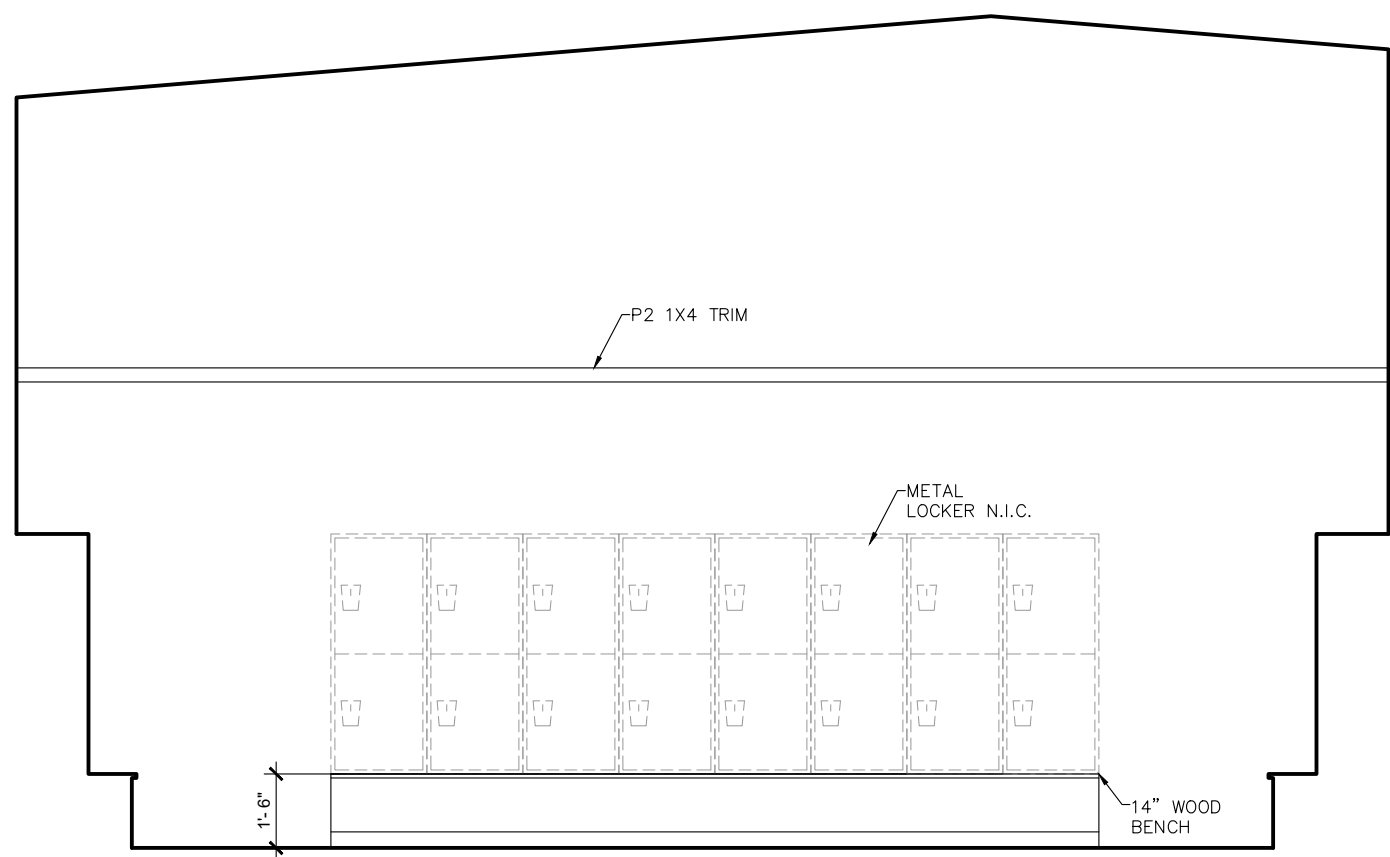
SHEET:

WALL FINISHES:		FLOOR FINISHES:		CEILING:		OTHER:	
P	PAINT	PC	POLISHED CONCRETE	CLG 1	2X2 LAY-IN	HM	HOLLOW METAL
FRP	FIBERGLASS REIN PAN	CT2	202	GB	GYF BOARD W/ PAINT	ST	STAINED WOOD
CT	CERAMIC TILE	R4F	RUBBER ATHLETIC FLOORING N I C	P EX	PAINT EXISTING	BL	BLACK
RFP	REIN FIBERGLASS PANEL	R4F	RUBBER ATHLETIC FLOORING N I C			NC	NONE / NOT APPLICABLE
						RC	RUBBER COVE
						SS	STAINLESS STEEL
						INC	NOT IN CONTRACT
						WG	WALL GRAPHIC TO 10'

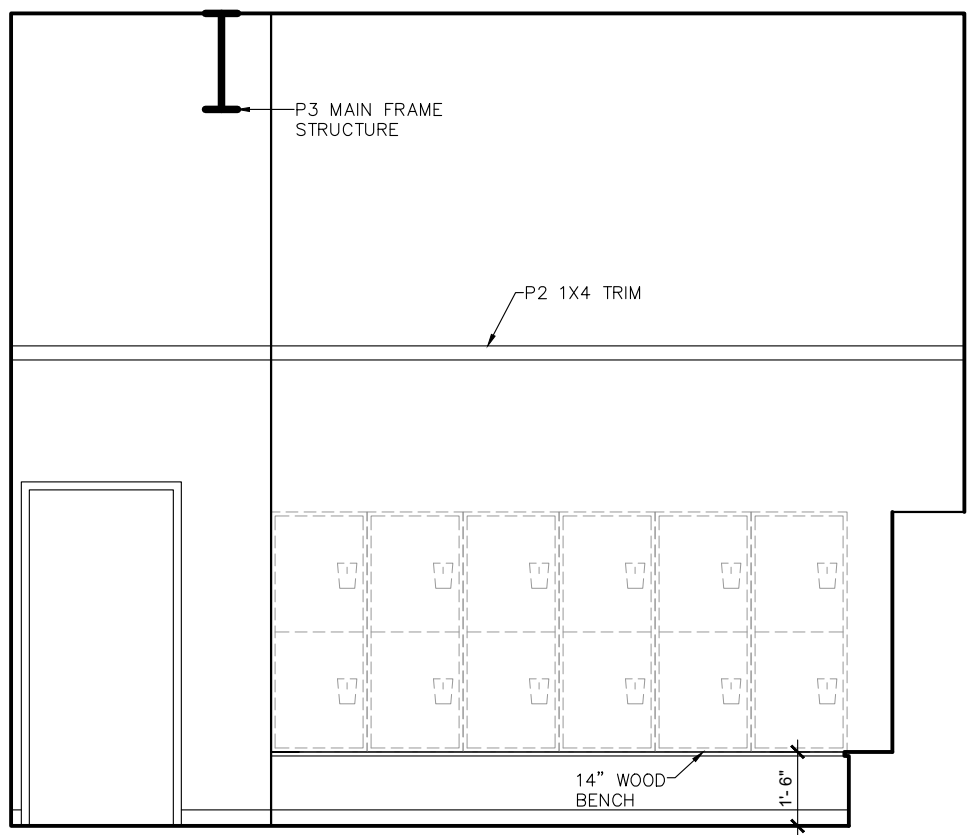


 **CEILING PLAN**
SCALE: 1/8"=1'

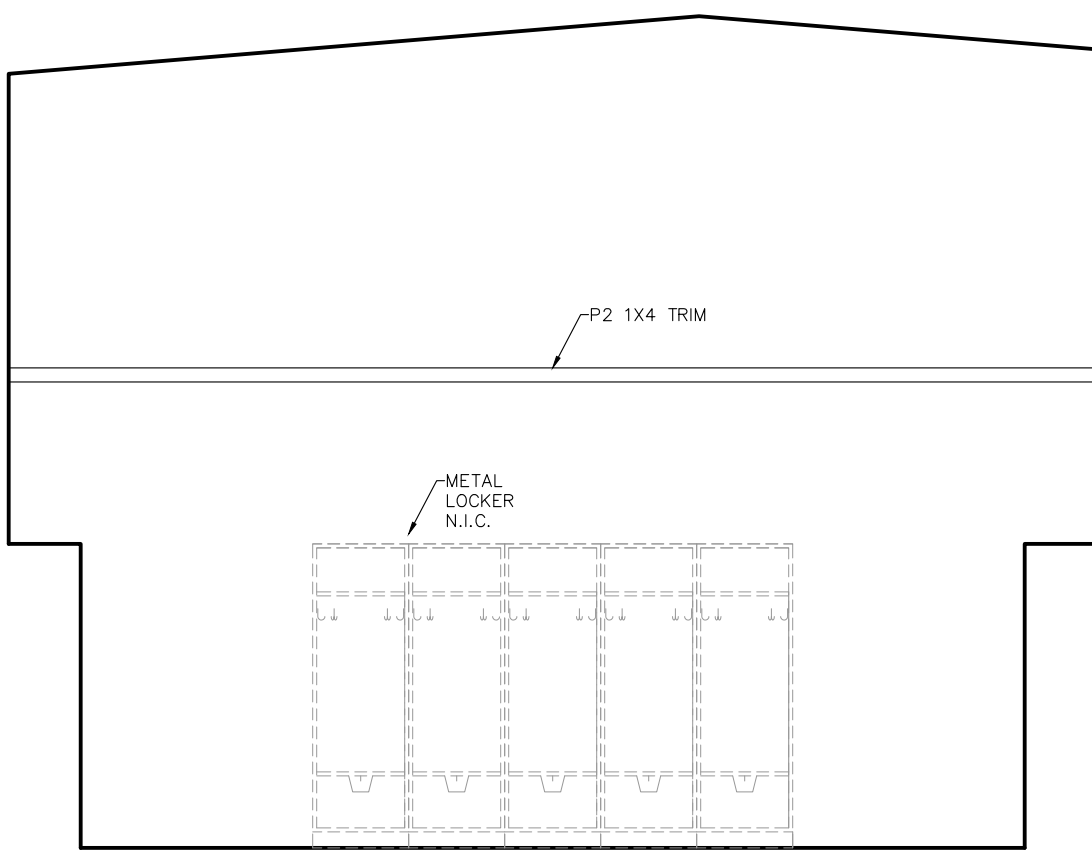
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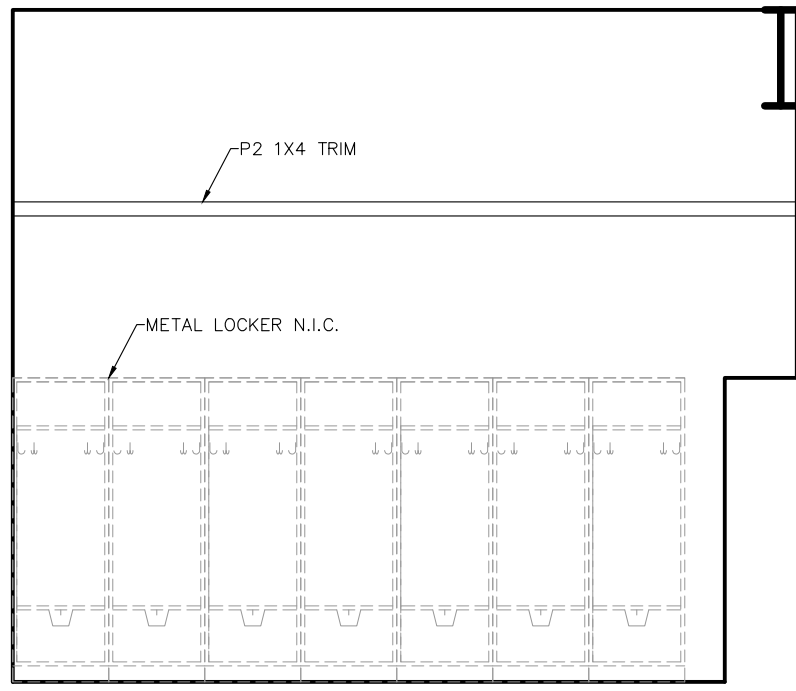
19 LOCKERS
SCALE: 1/4"=1'-0"



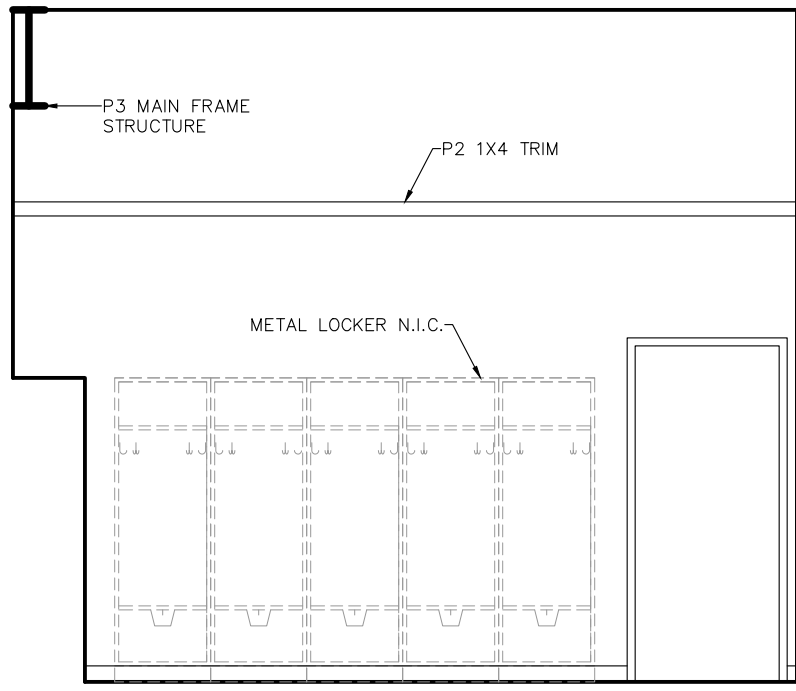
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SCALE: 1/4"=1'-0"



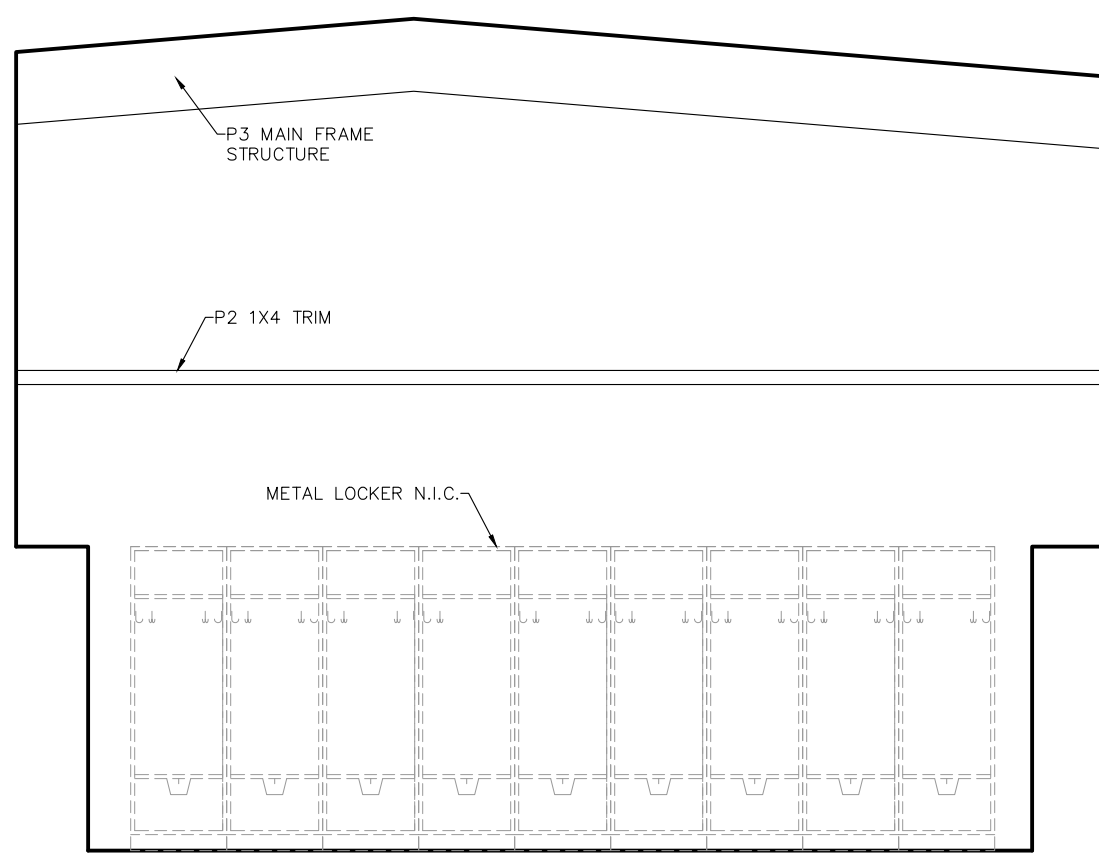
21 LOCKERS
SCALE: 1/4"=1'-0"



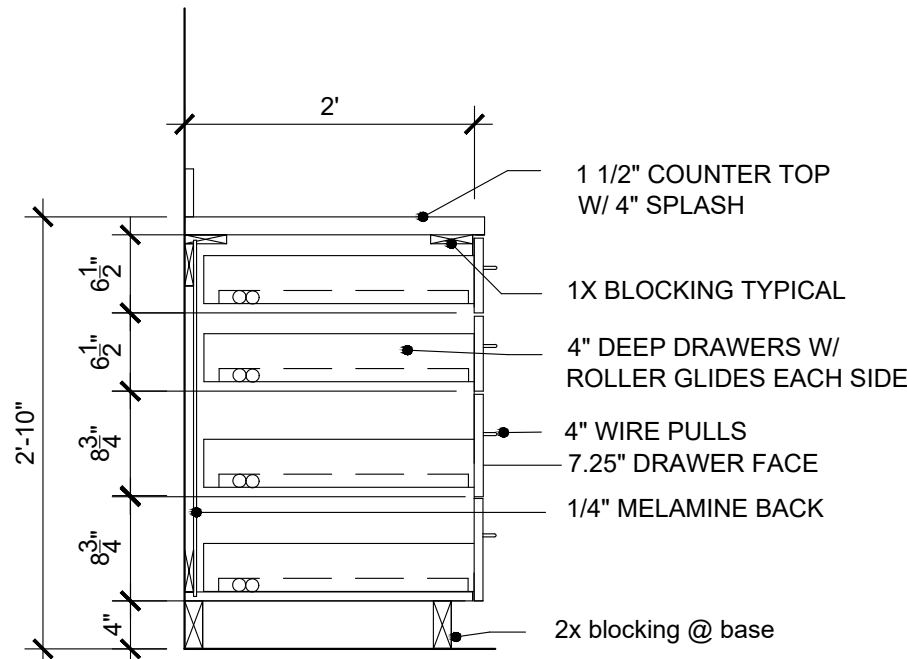
22 LOCKERS
SCALE: 1/4"=1'-0"



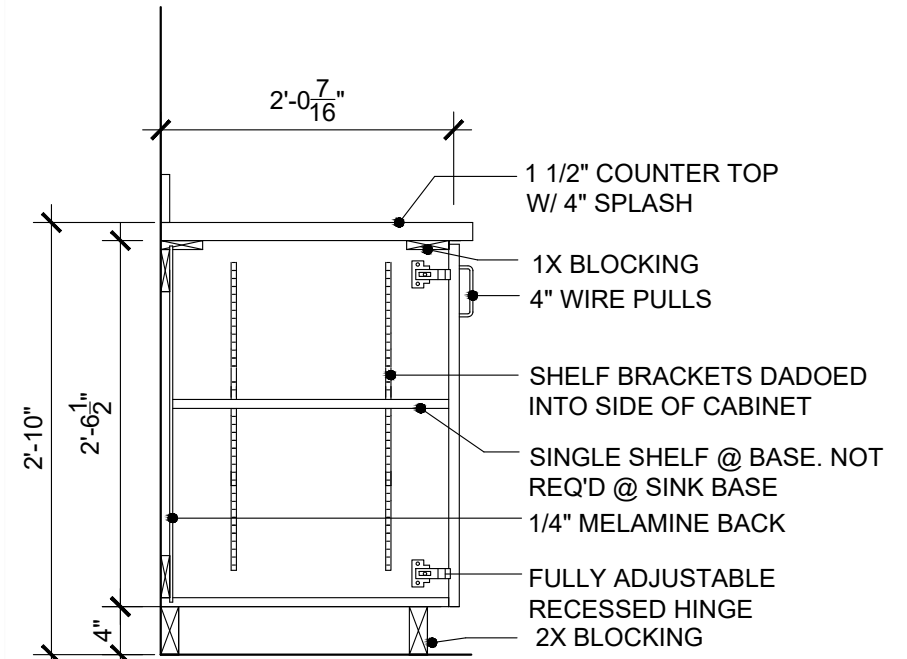
23 LOCKERS
SCALE: 1/4"=1'-0"



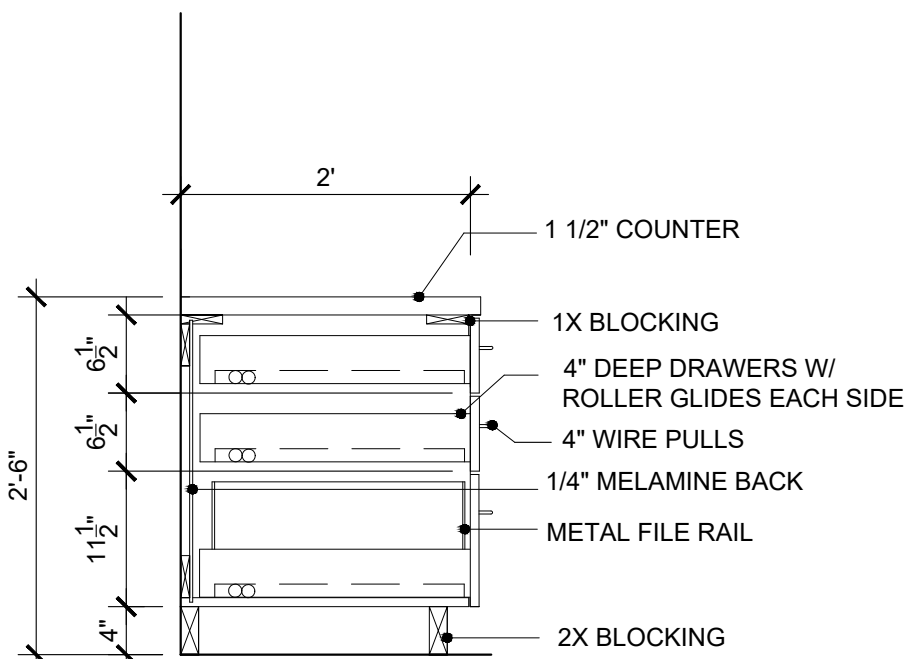
24 LOCKERS
SCALE: 1/4"=1'-0"



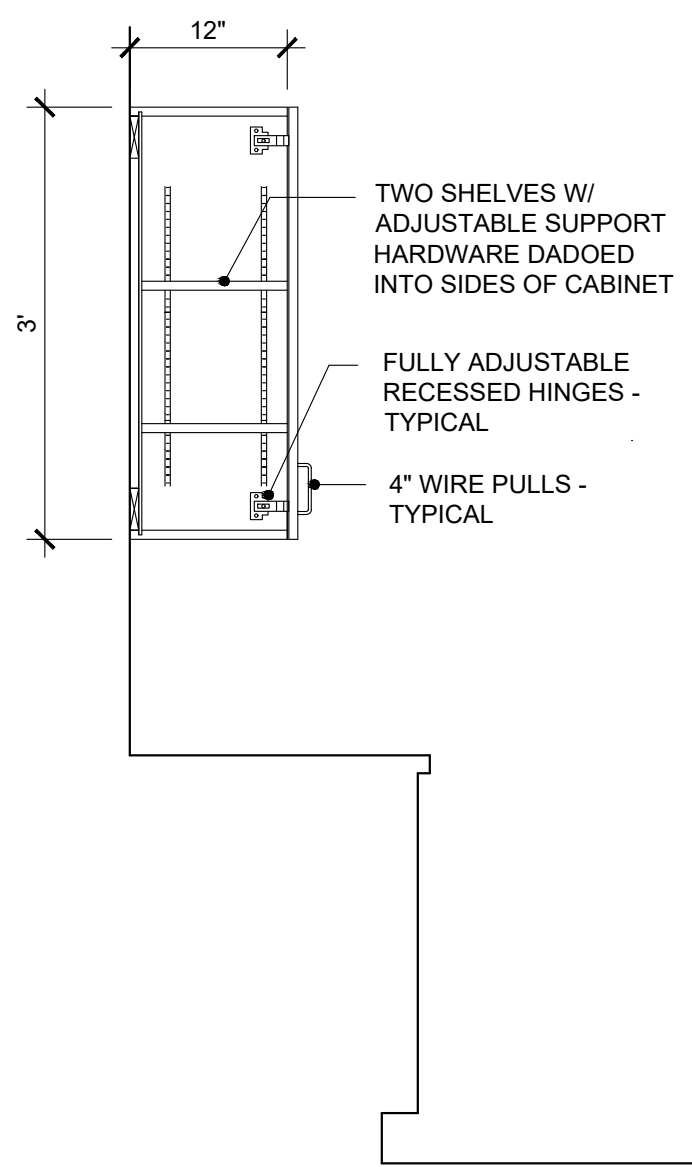
1 SECTION
SCALE: 3/4"=1'-0"



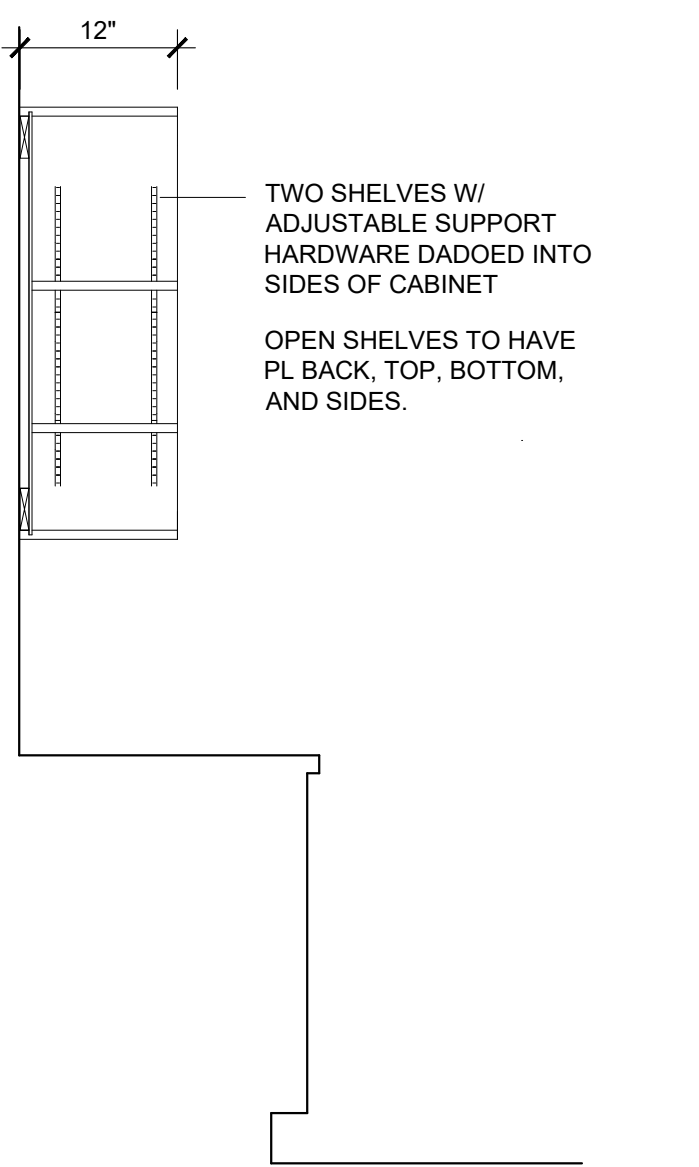
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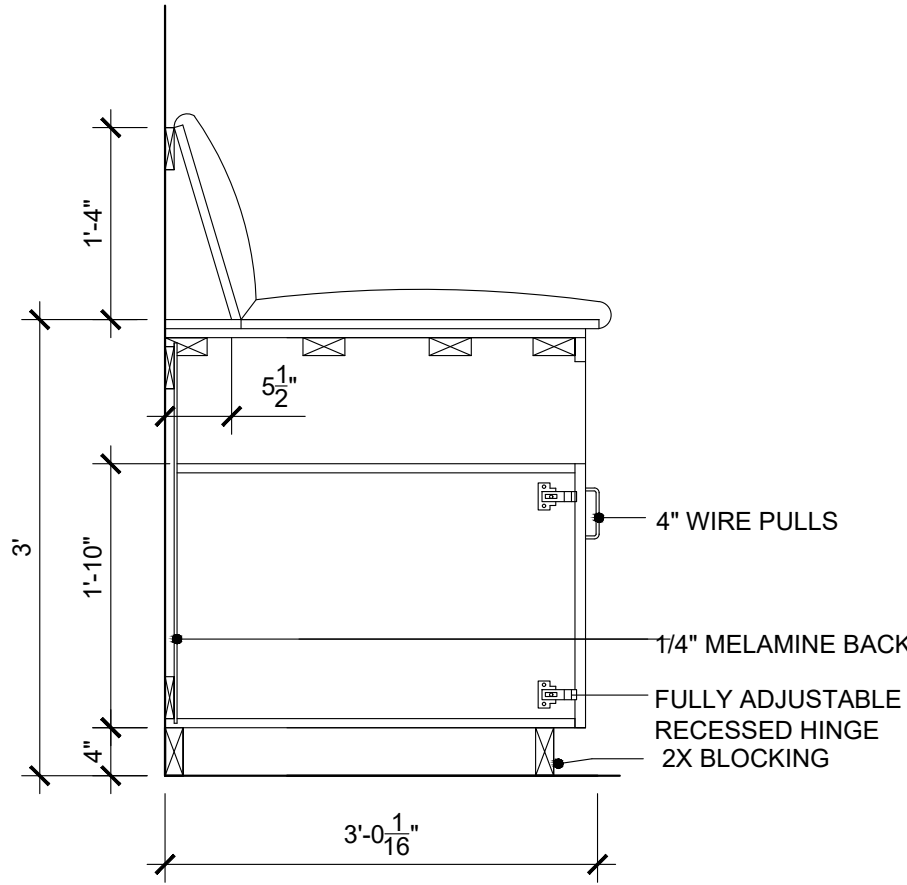
3 SECTION
SCALE: 3/4"=1'-0"



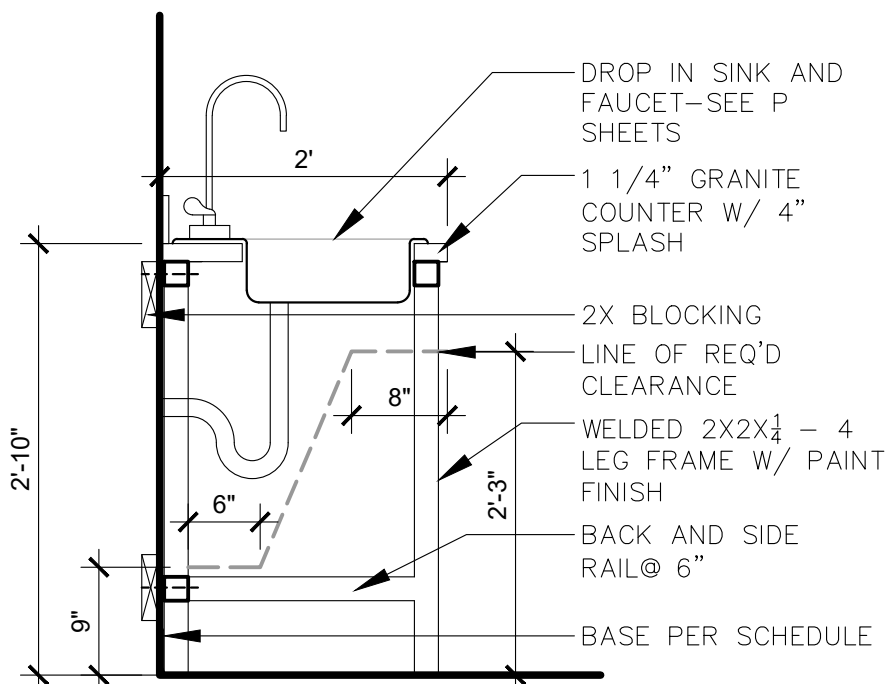
10 SECTION
SCALE: 3/4"=1'-0"



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

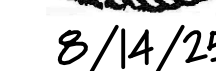


12 TAPE TABLE
SCALE: 3/4"=1'-0"



13 LOBBY WINDOW
SCALE: 3/4"=1'-0"

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

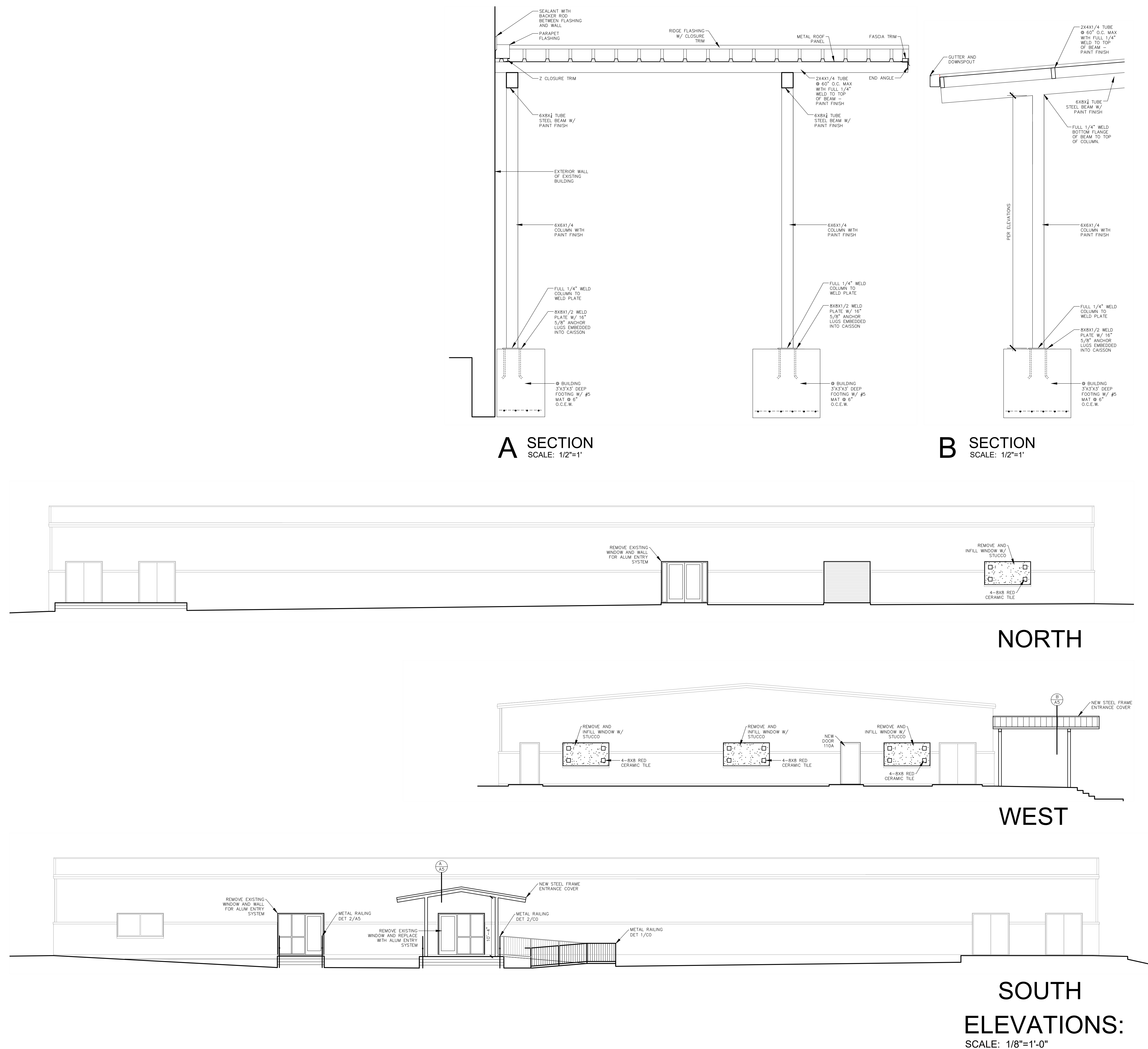


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2025 FIELD HOUSE IMPROVEMENTS

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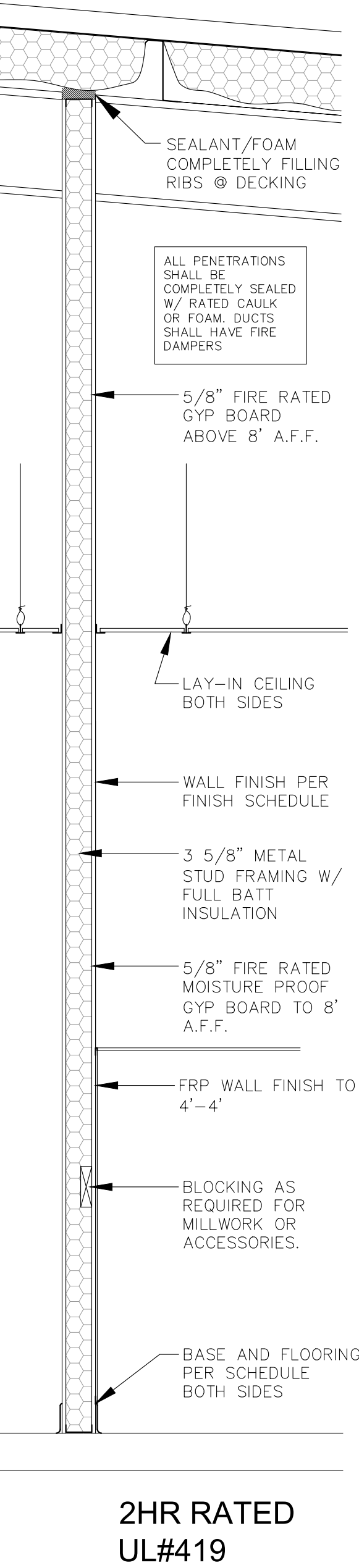
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A6



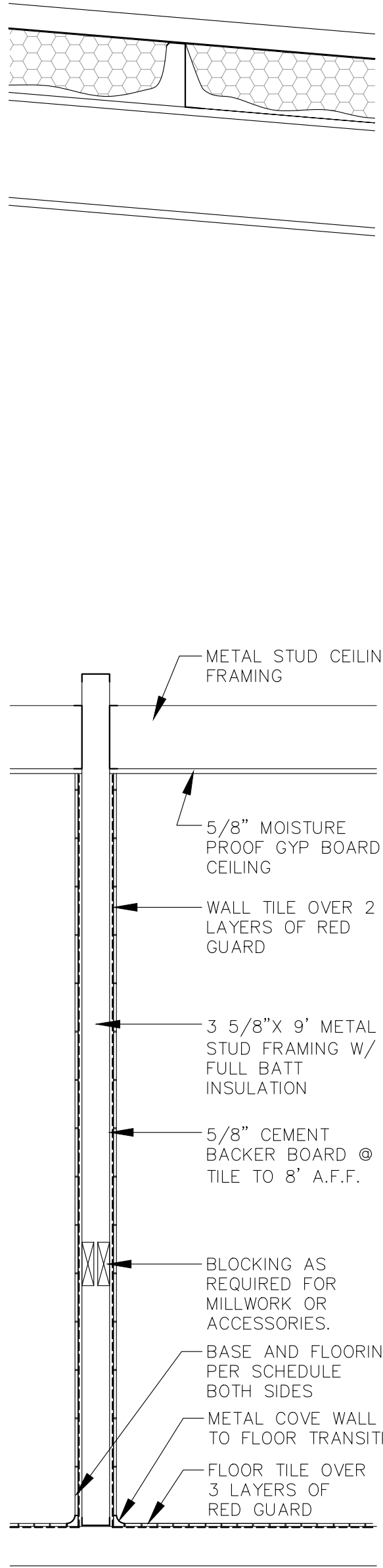
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UL#419

5

WALL TYPE

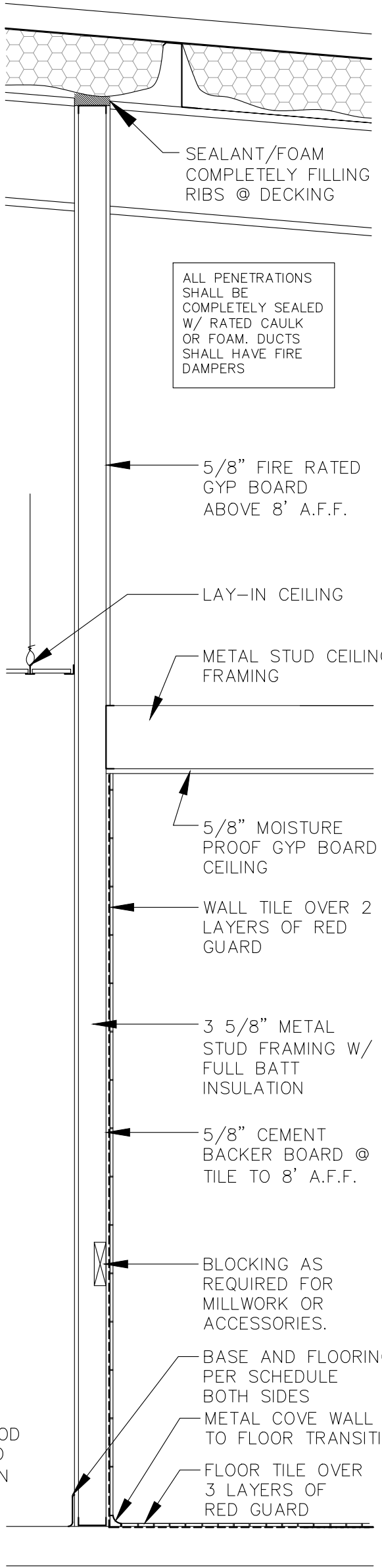
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4

WALL TYPE

SCALE: 3/4"=1'



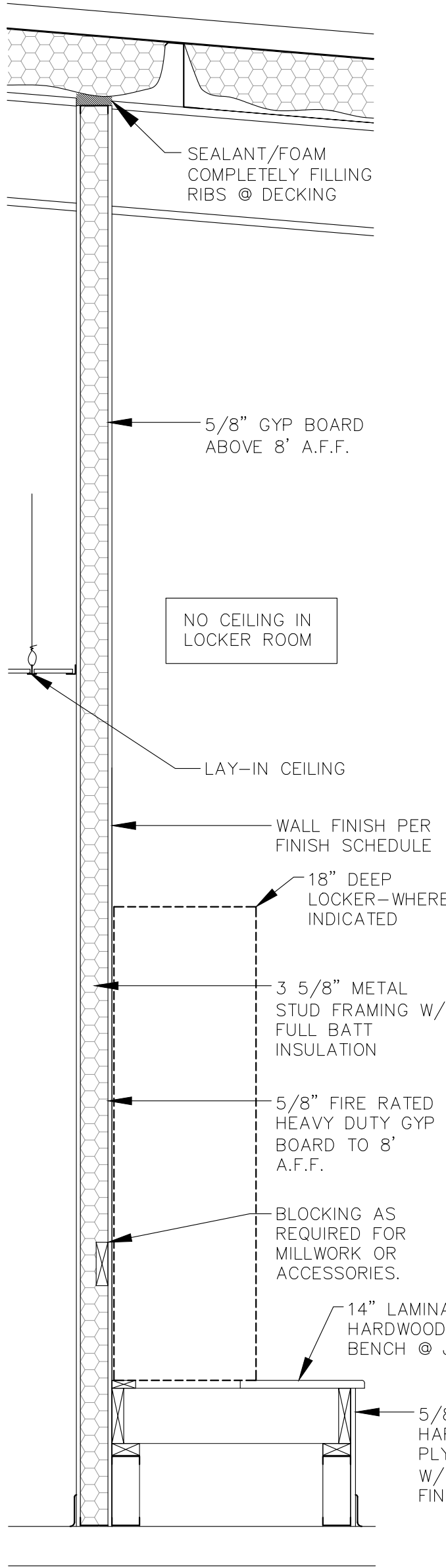
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UL#419

3

WALL TYPE

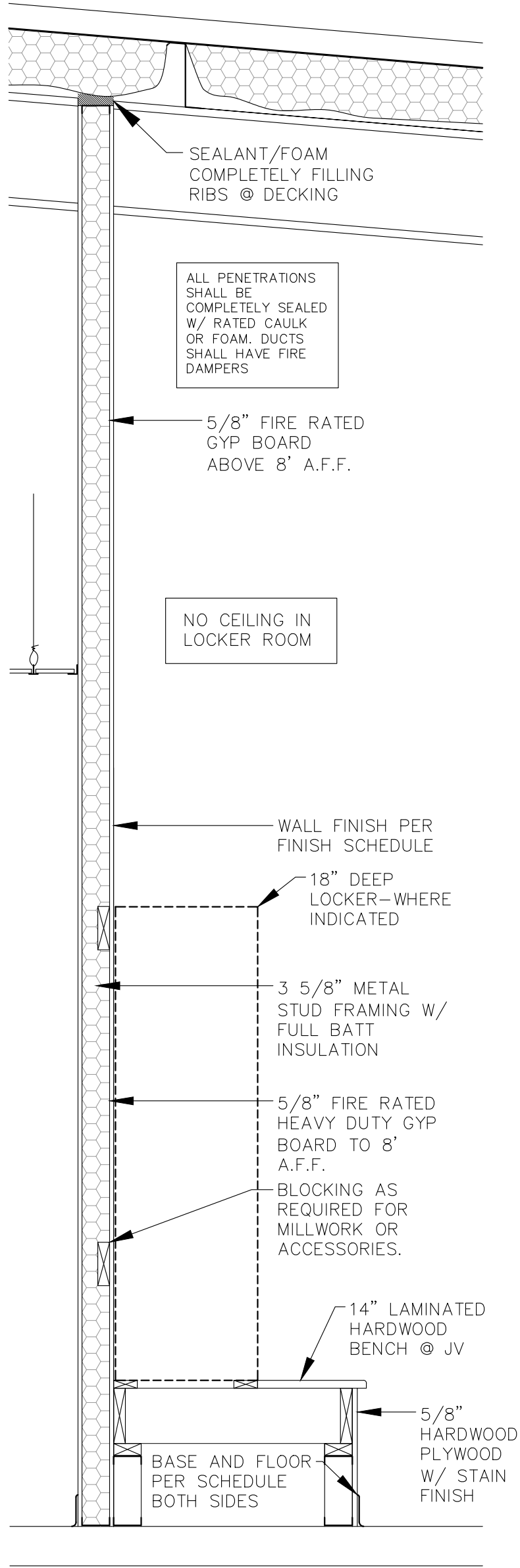
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2N

WALL TYPE

SCALE: 3/4"=1'



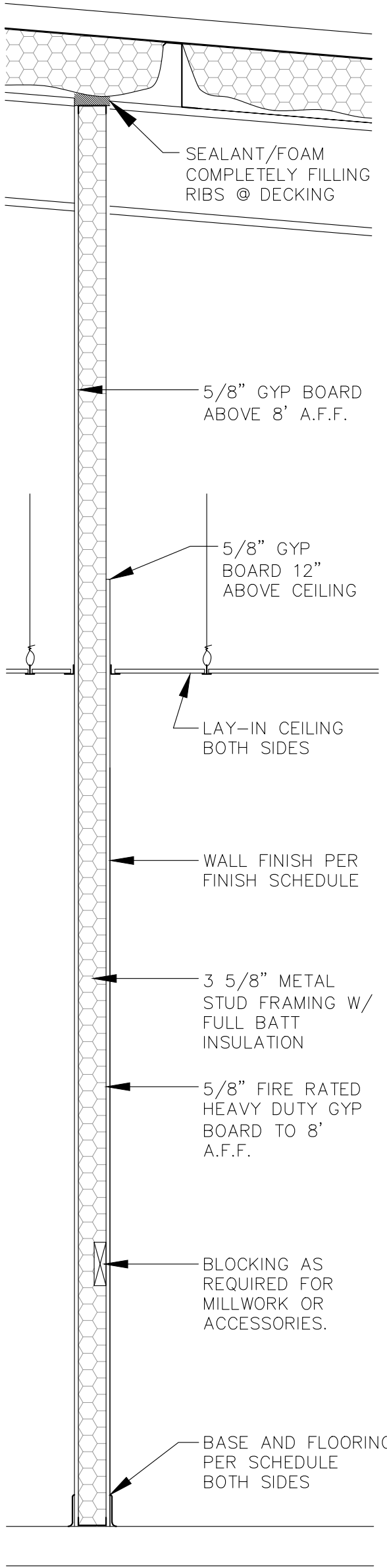
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2

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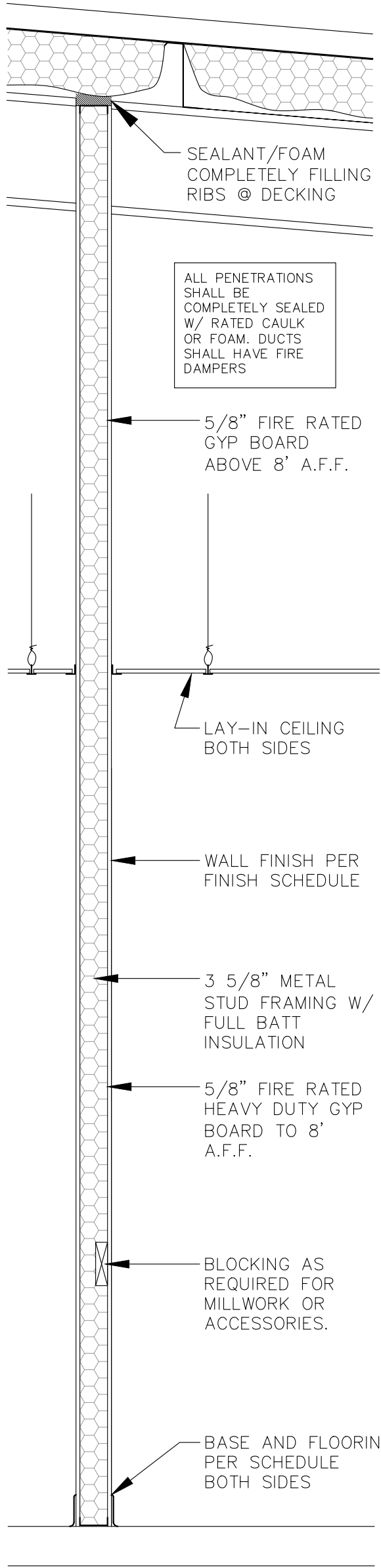
SCALE: 3/4"=1'



1N

WALL TYPE

SCALE: 3/4"=1'



1HR RATED

UL#419

1

WALL TYPE

SCALE: 3/4"=1'



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A7

12 WALL TYPE
SCALE: 3/4"=1'

11 WALL TYPE
SCALE: 3/4"=1'

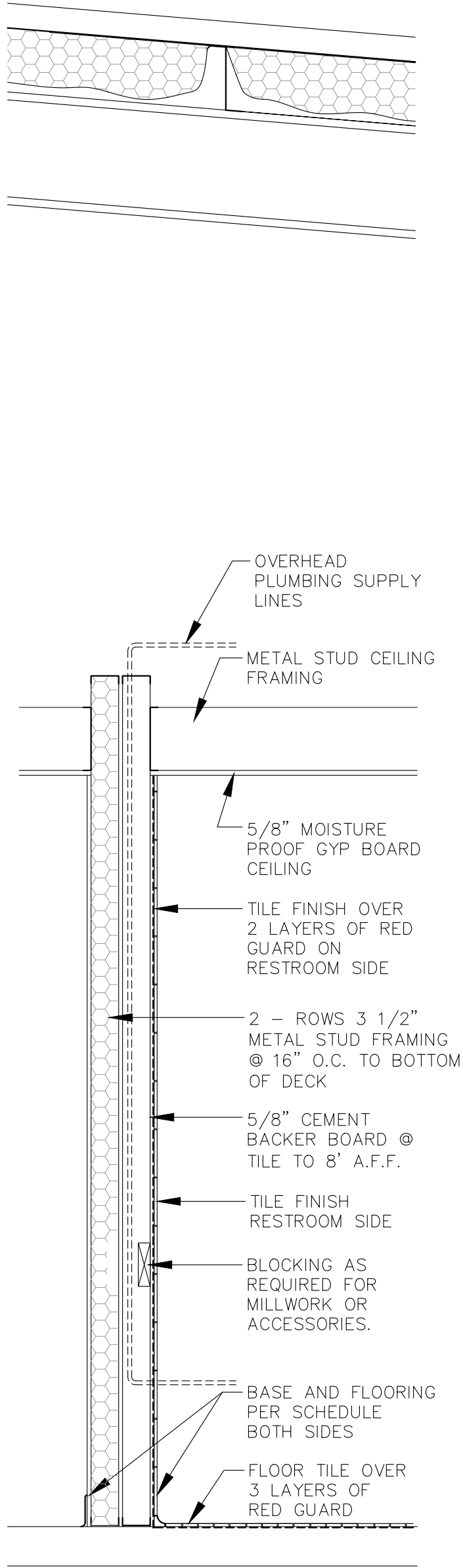
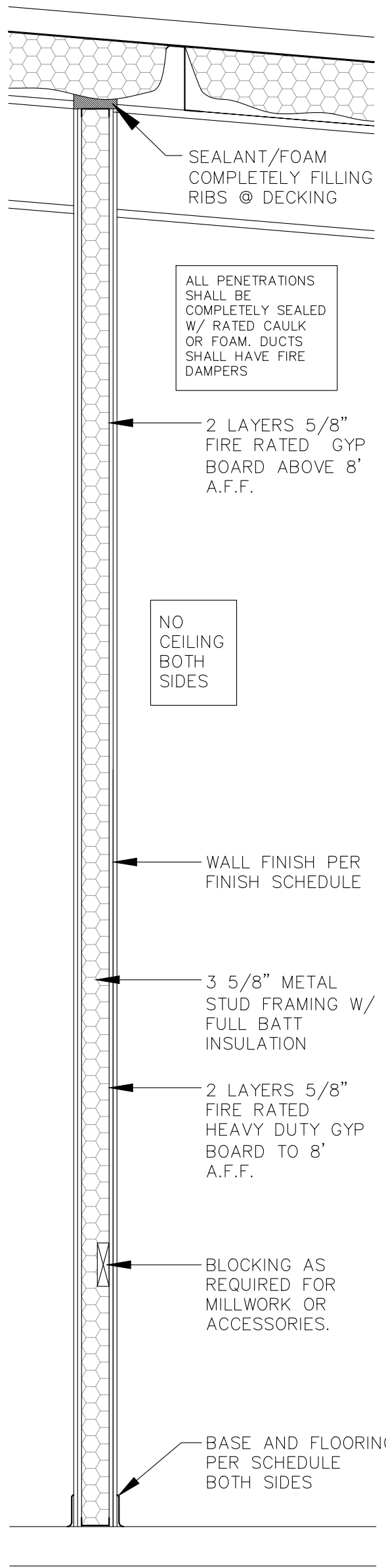
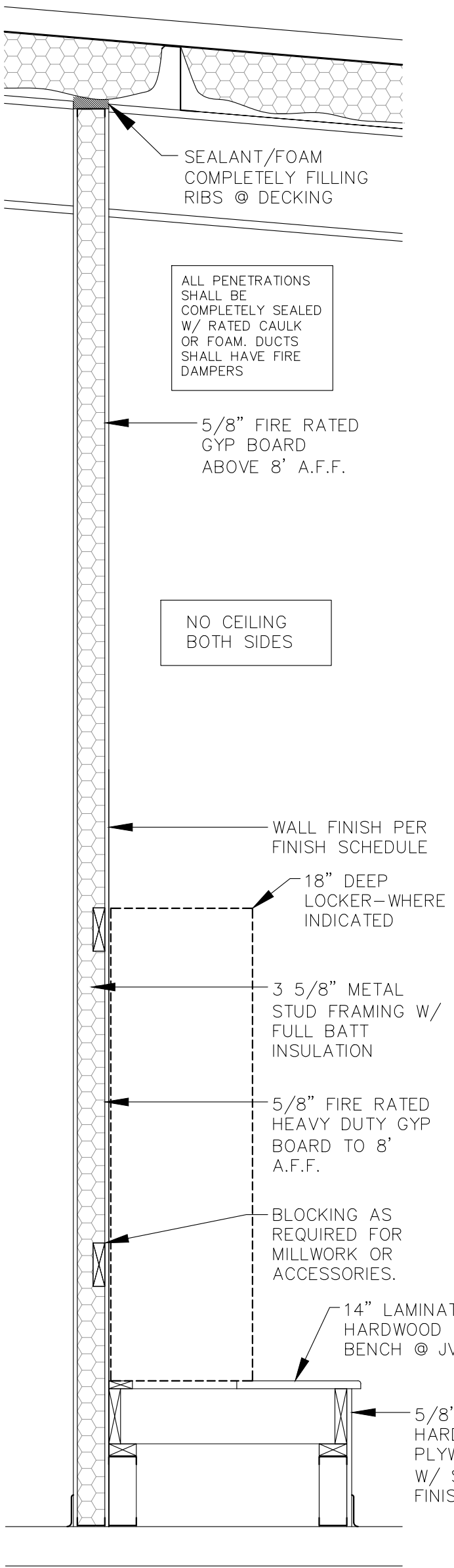
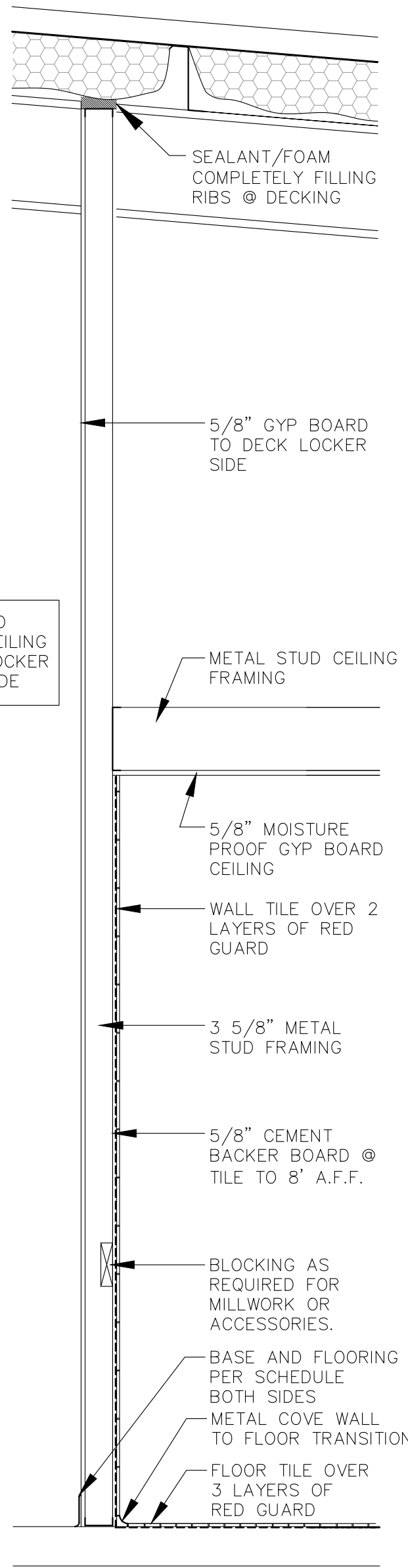
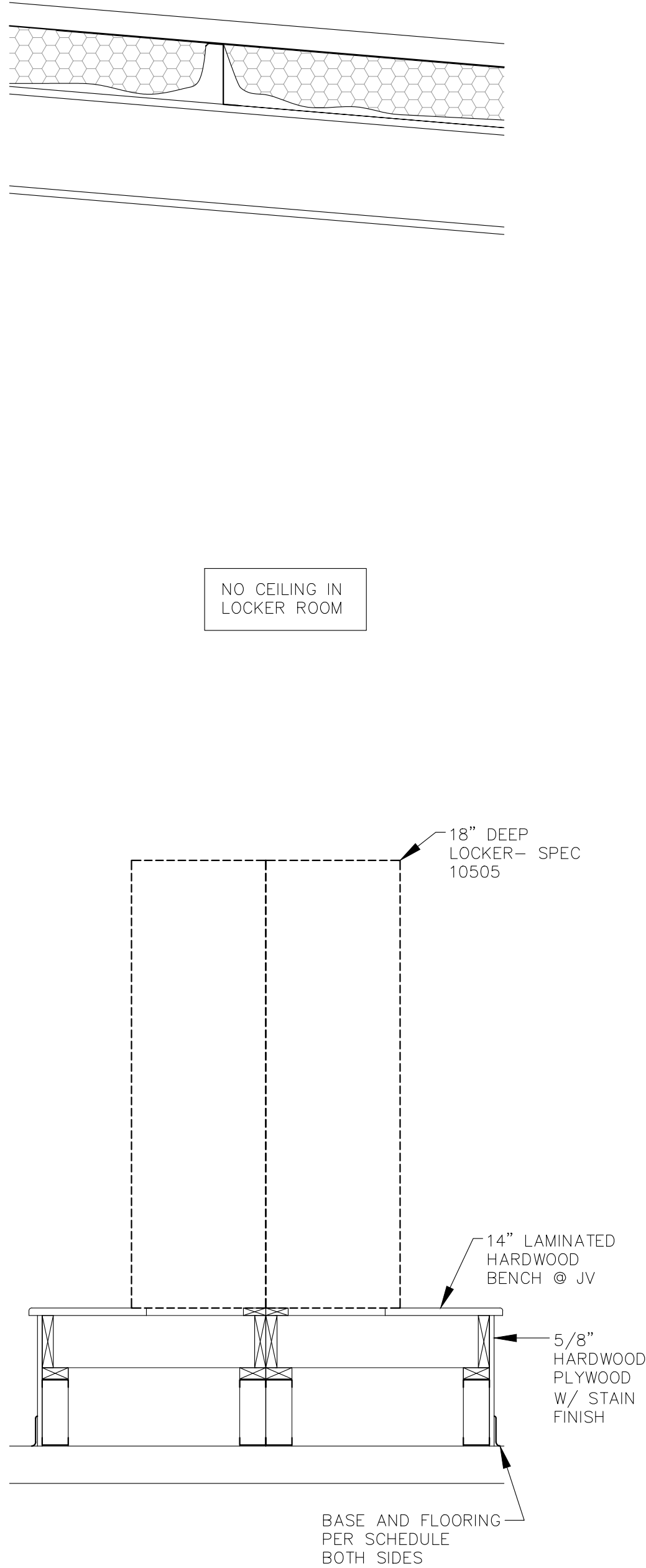
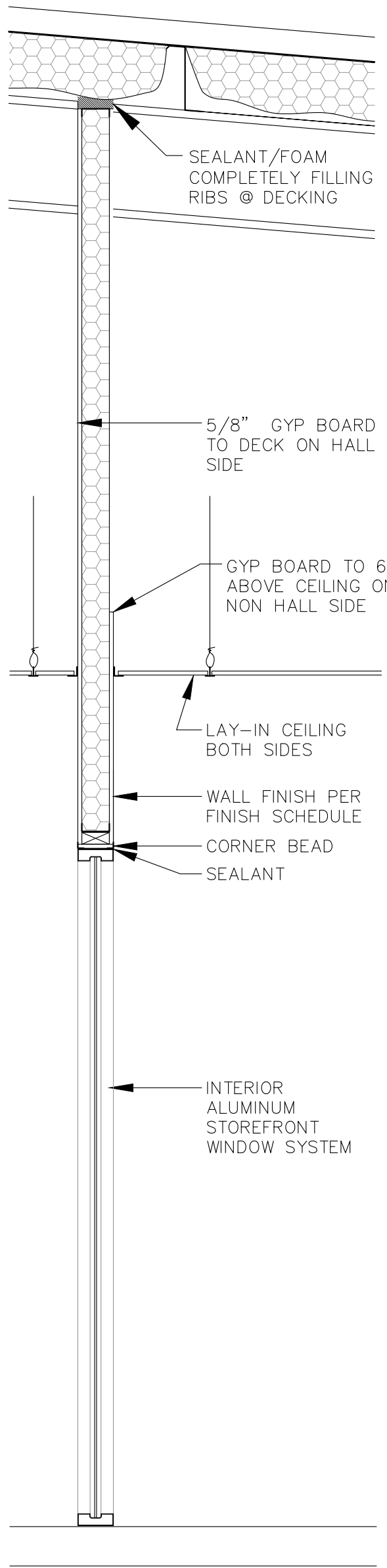
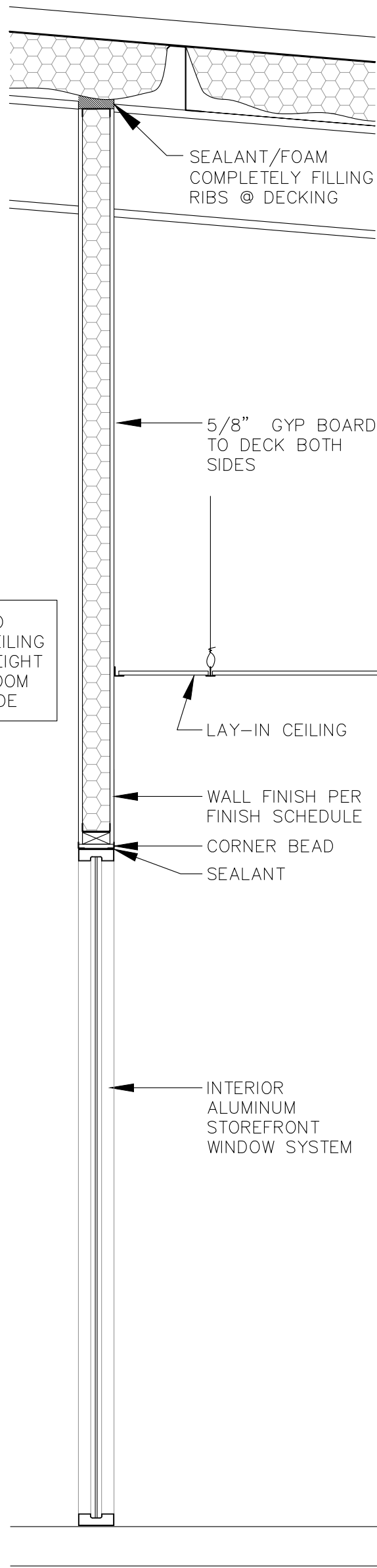
10 WALL TYPE
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9 WALL TYPE
SCALE: 3/4"=1'

8 WALL TYPE
SCALE: 3/4"=1'

7 WALL TYPE
SCALE: 3/4"=1'

6 WALL TYPE
SCALE: 3/4"=1'





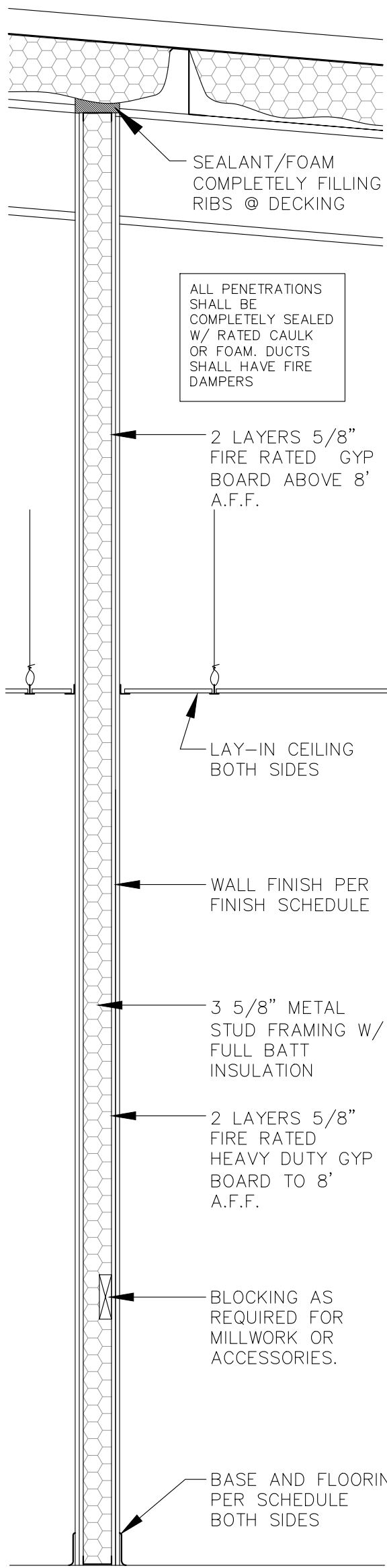
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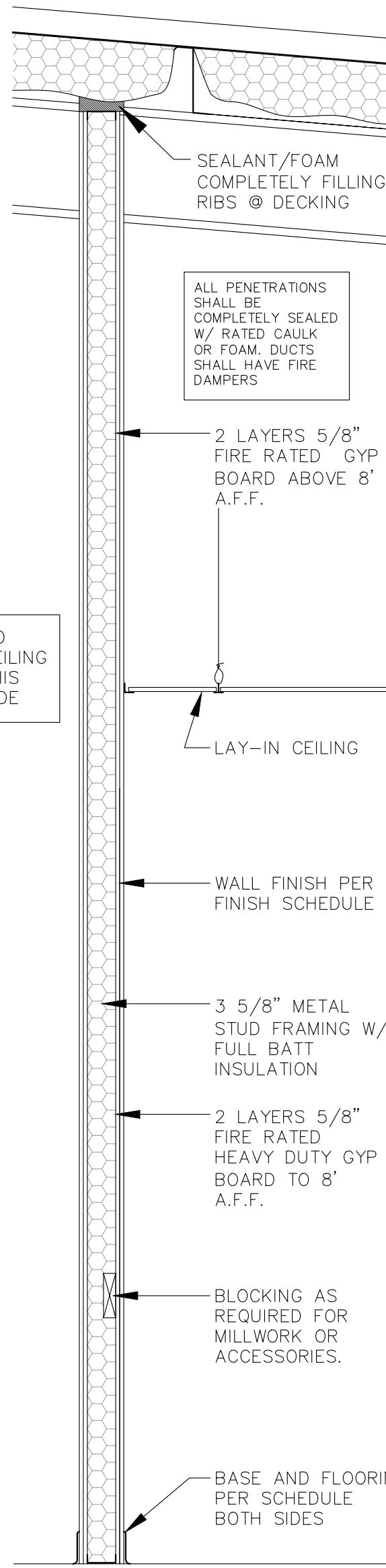


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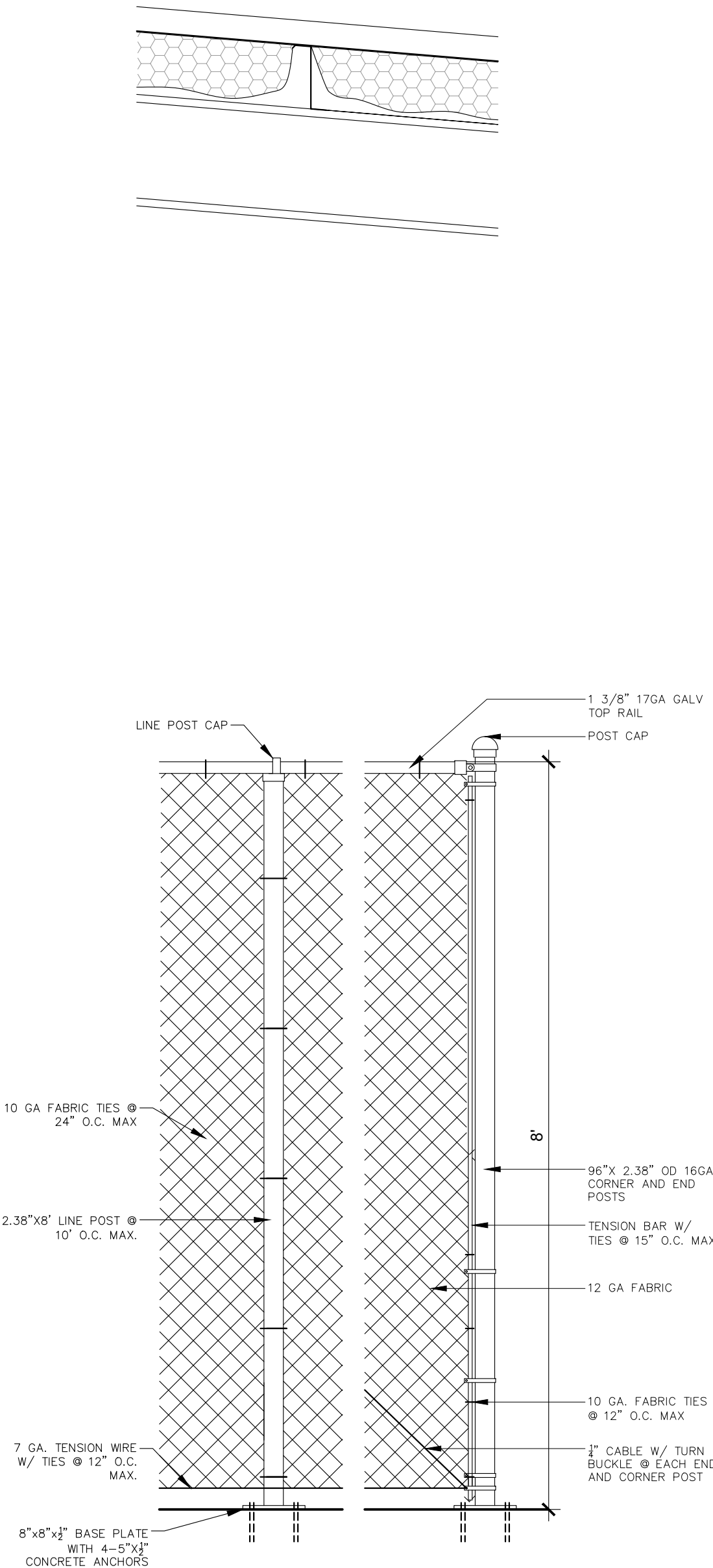
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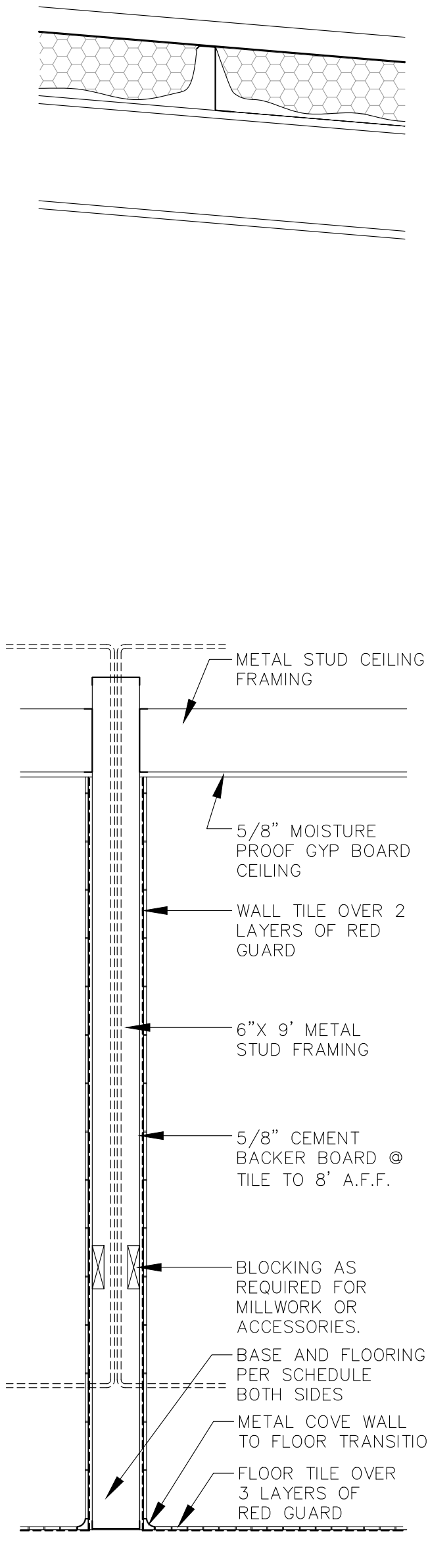
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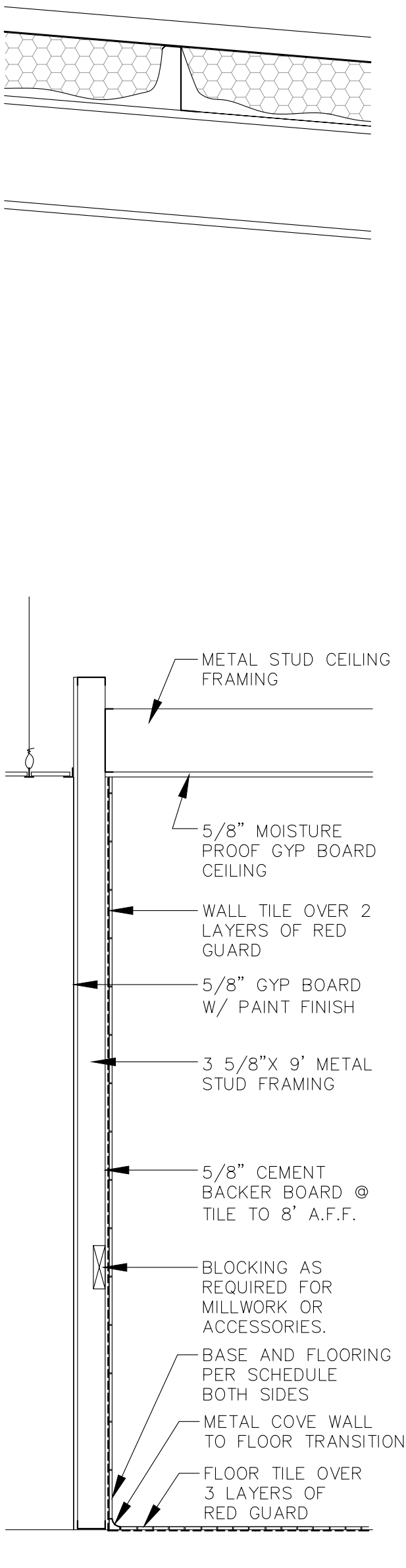
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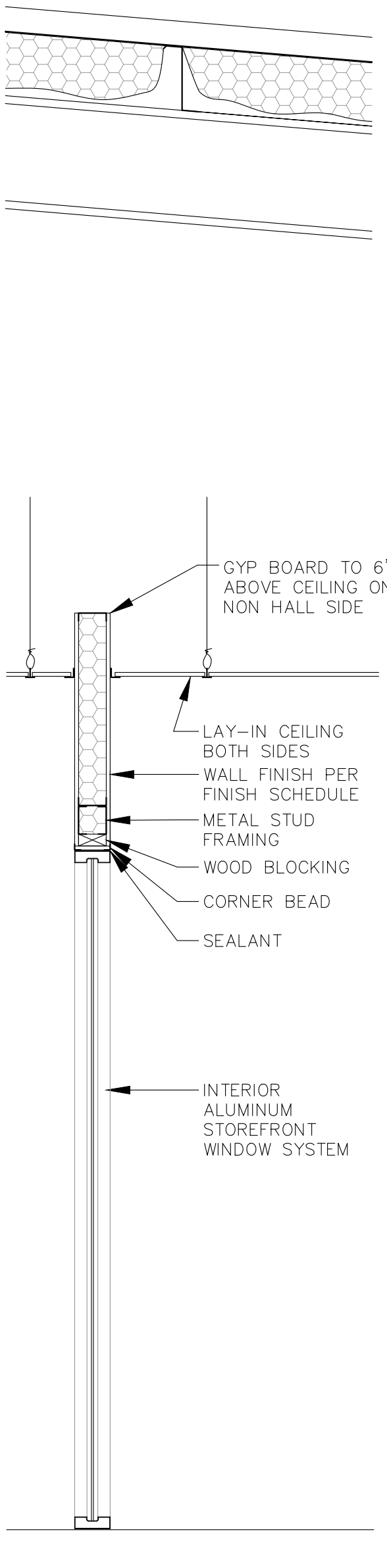
17 WALL TYPE
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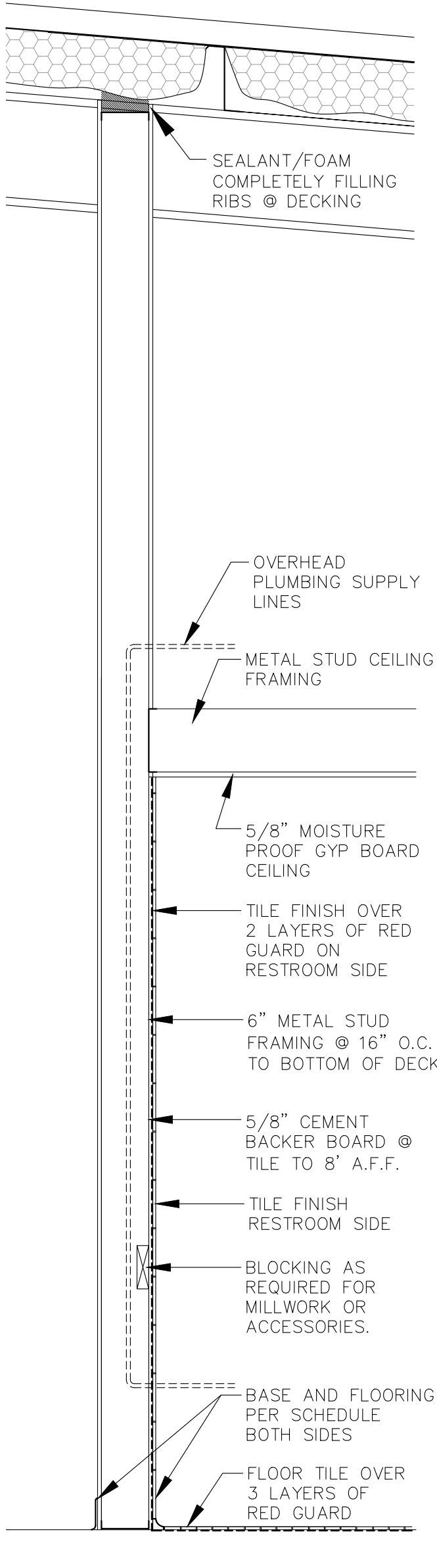
16 WALL TYPE
SCALE: 3/4"=1'



15 WALL TYPE
SCALE: 3/4"=1'



14 WALL TYPE
SCALE: 3/4"=1'



13 WALL TYPE
SCALE: 3/4"=1'



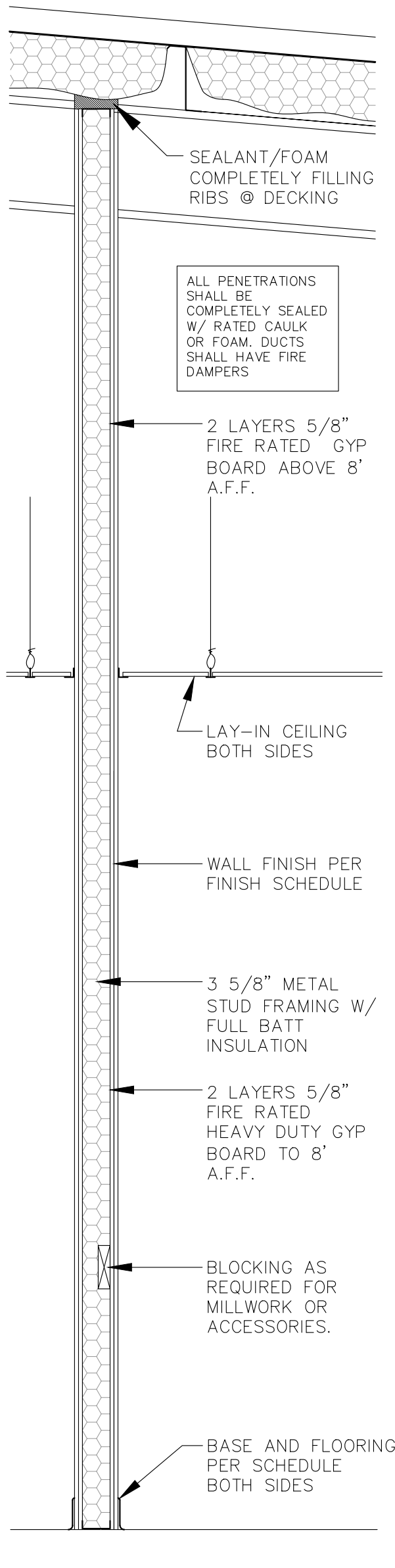
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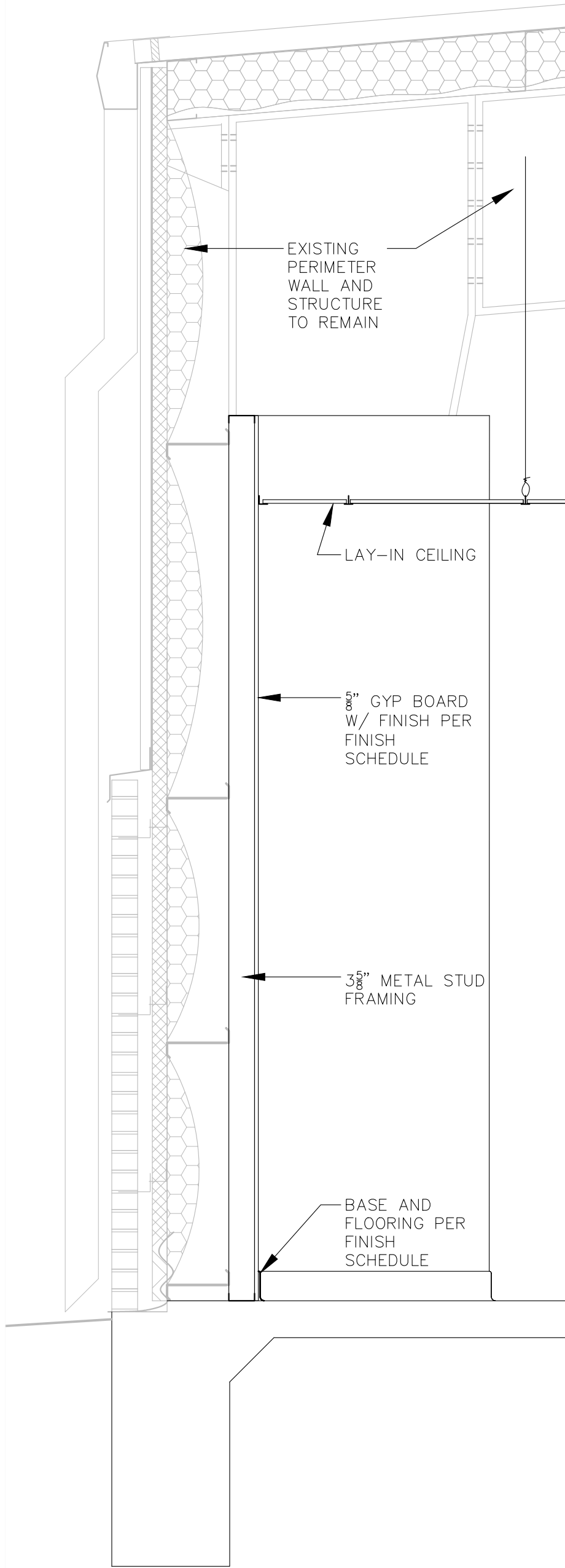
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A9

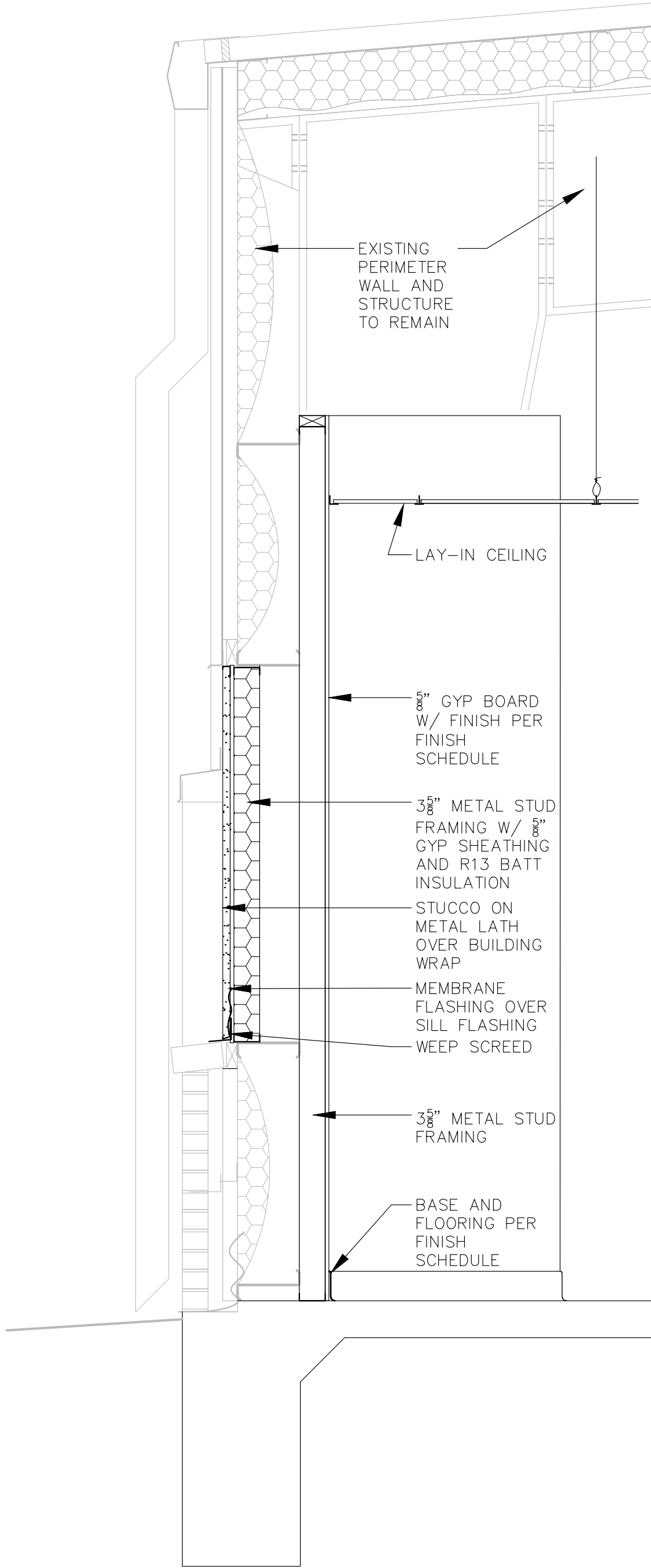


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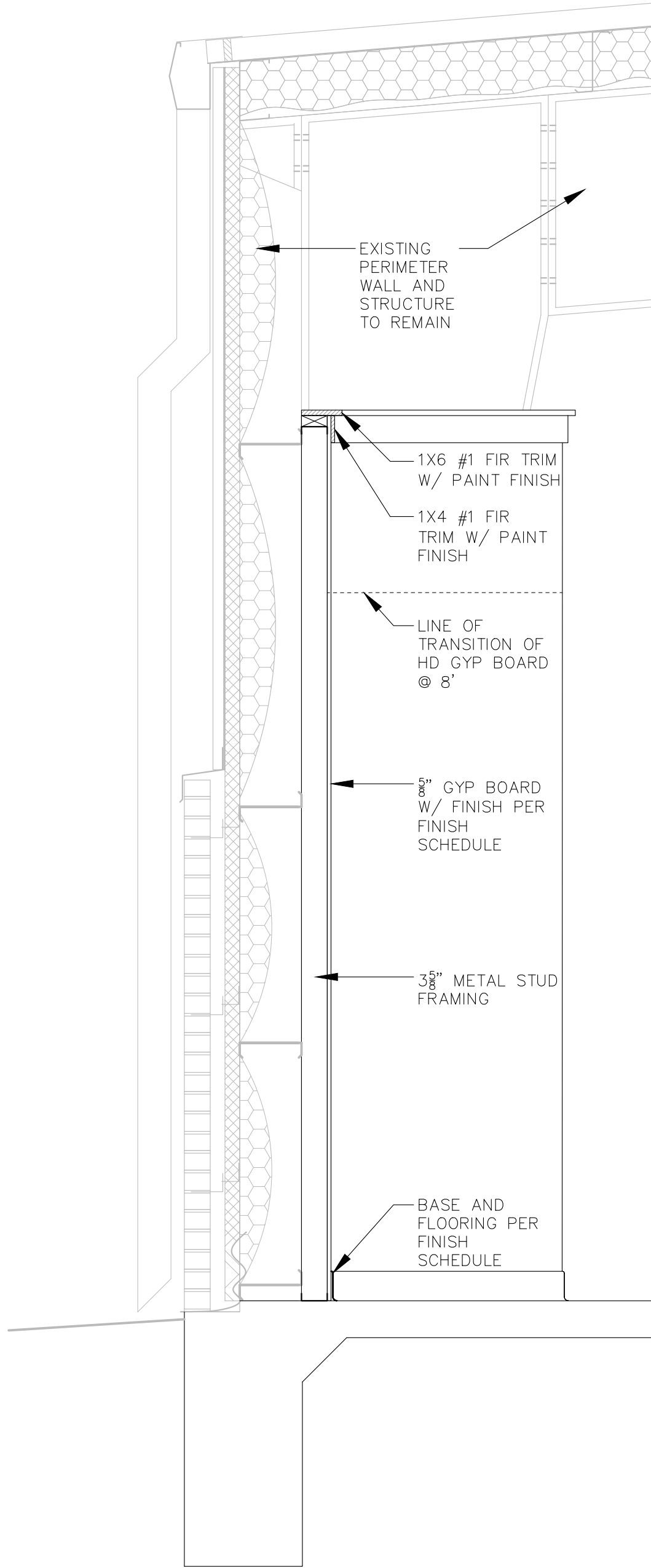
19 WALL TYPE
SCALE: 3/4"=1'



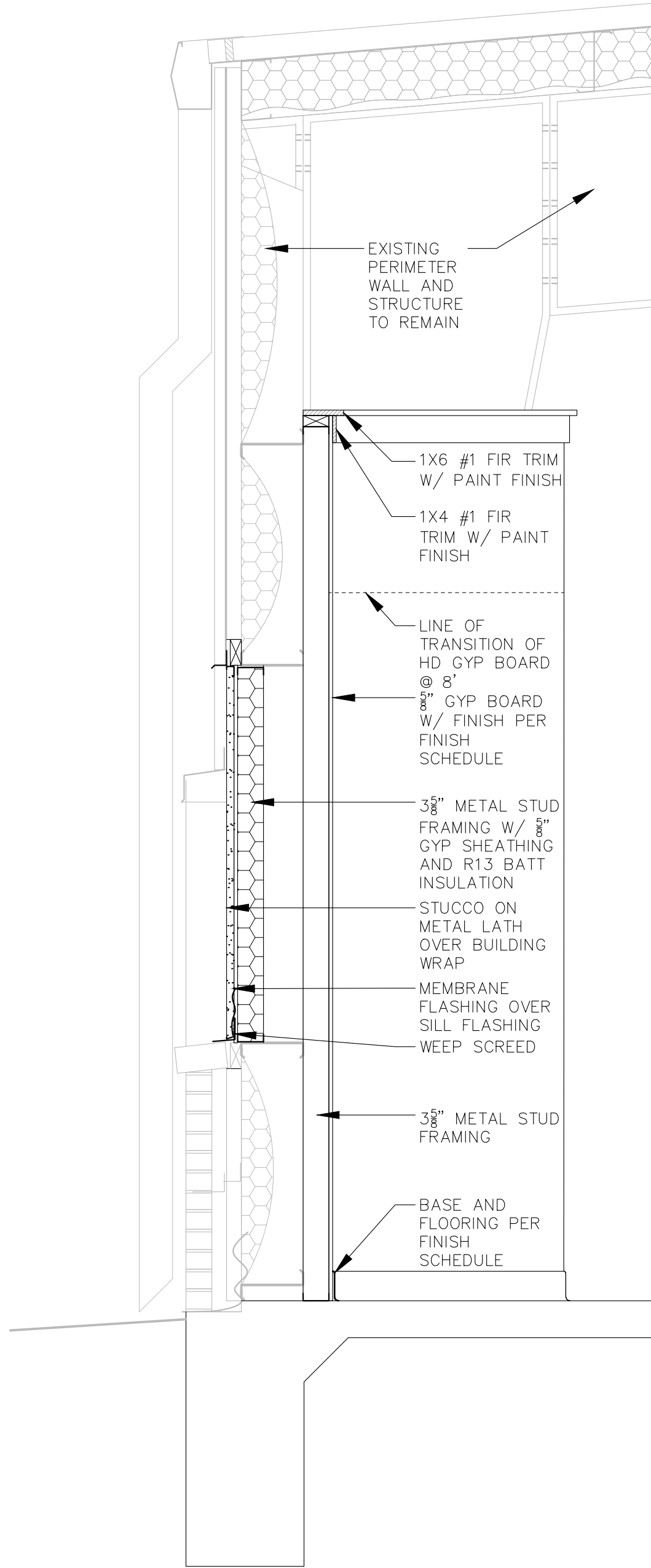
20 WALL TYPE
SCALE: 3/4"=1'



21 WALL TYPE
SCALE: 3/4"=1'

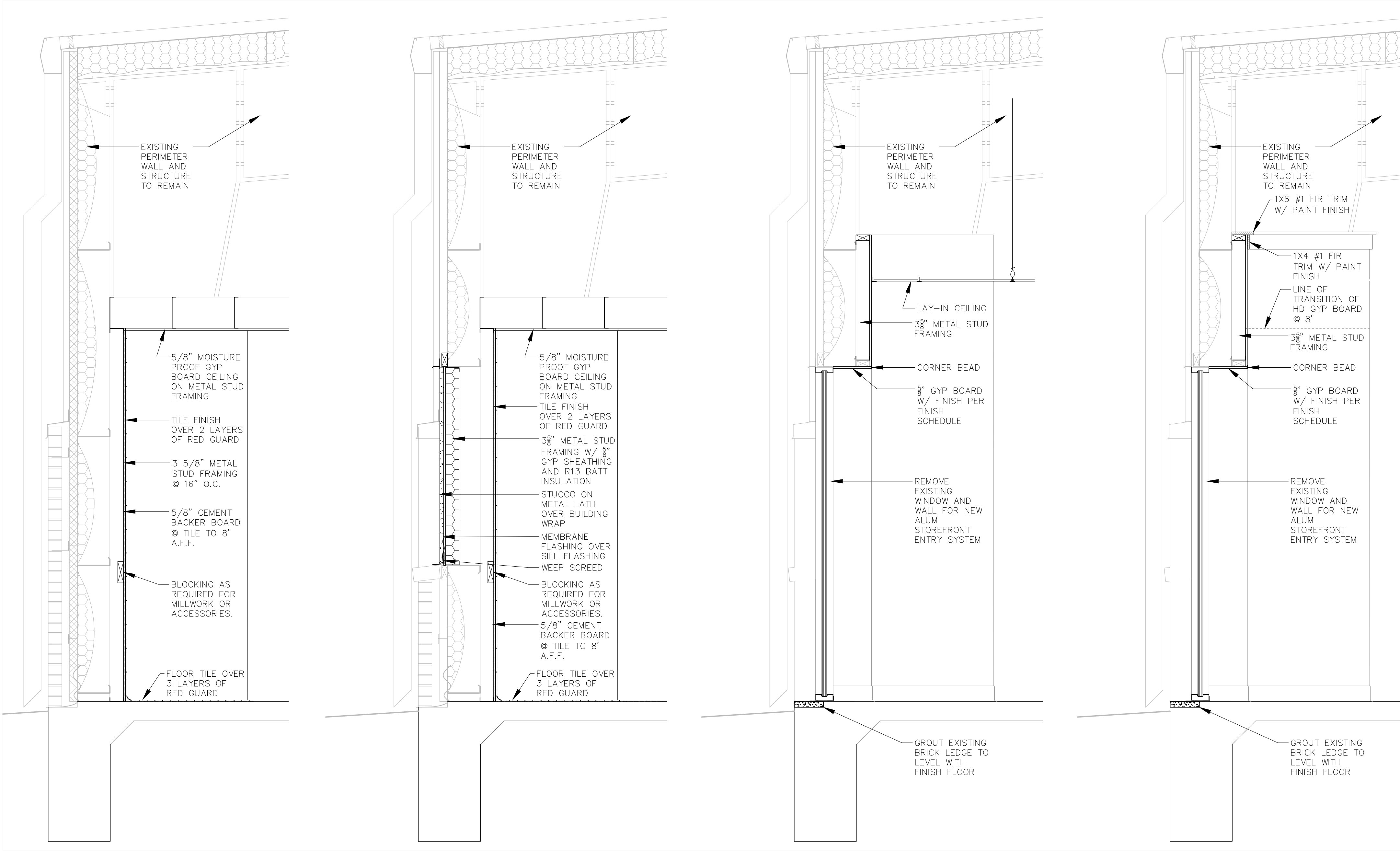


22 WALL TYPE
SCALE: 3/4"=1'



23 WALL TYPE
SCALE: 3/4"=1'

WALL TYPES
SCALE: 3/4"=1'



24 WALL TYPE
SCALE: 3/4"=1'

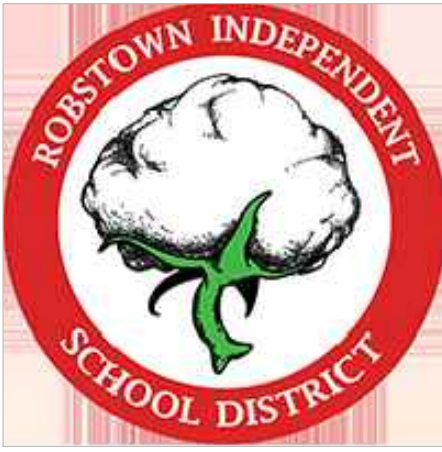
25 WALL TYPE
SCALE: 3/4"=1'

26 WALL TYPE
SCALE: 3/4"=1'

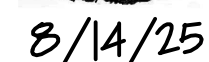
27 WALL TYPE
SCALE: 3/4"=1'

WALL TYPES
SCALE: 3/4"=1'

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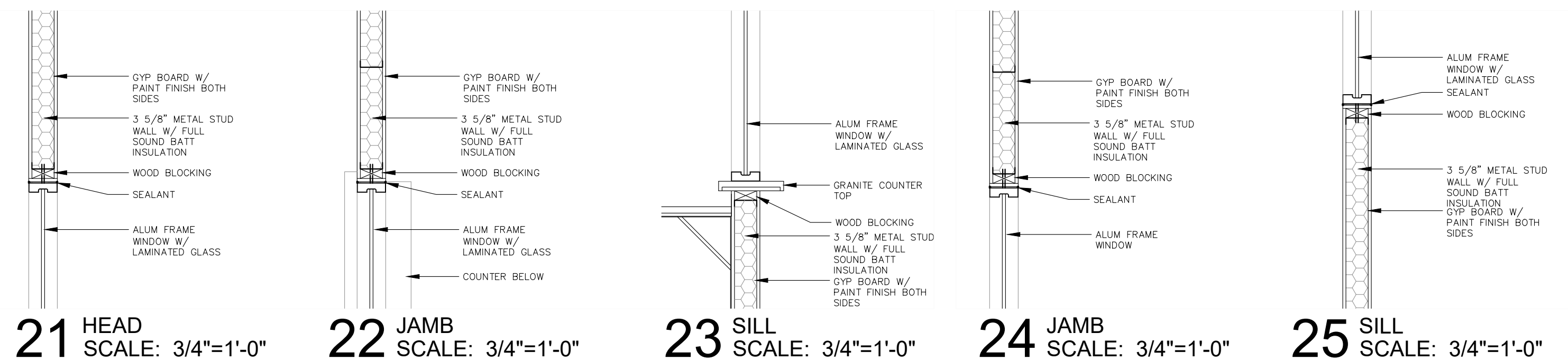
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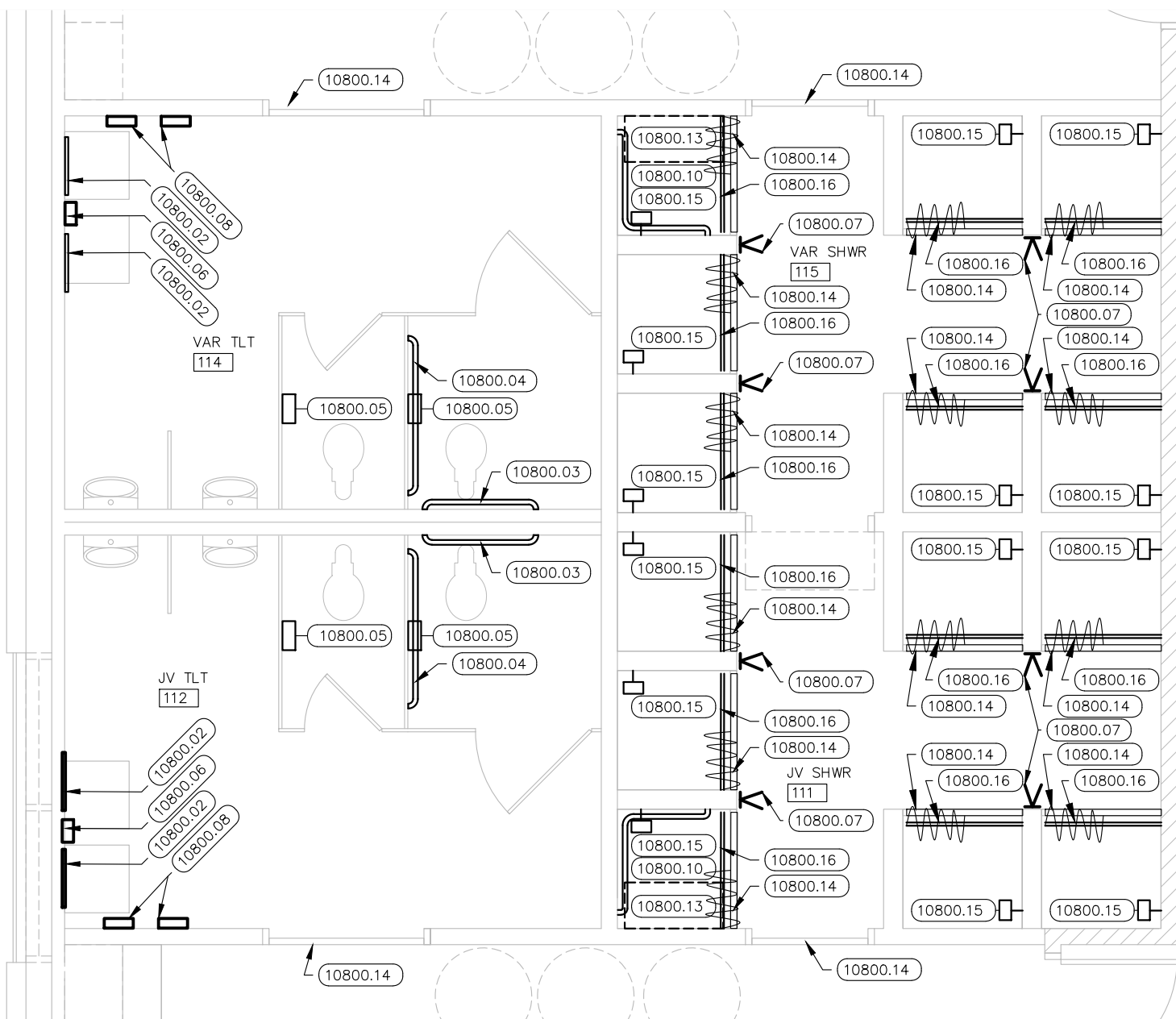


DOOR SCHEDULE NOTES									
1. NEW DOORS SHOULD BE FLUSH WOOD UNLESS OTHERWISE NOTED									
2. NEW FRAMES SHALL BE WELDED HOLLOW METAL UNLESS OTHERWISE NOTED									

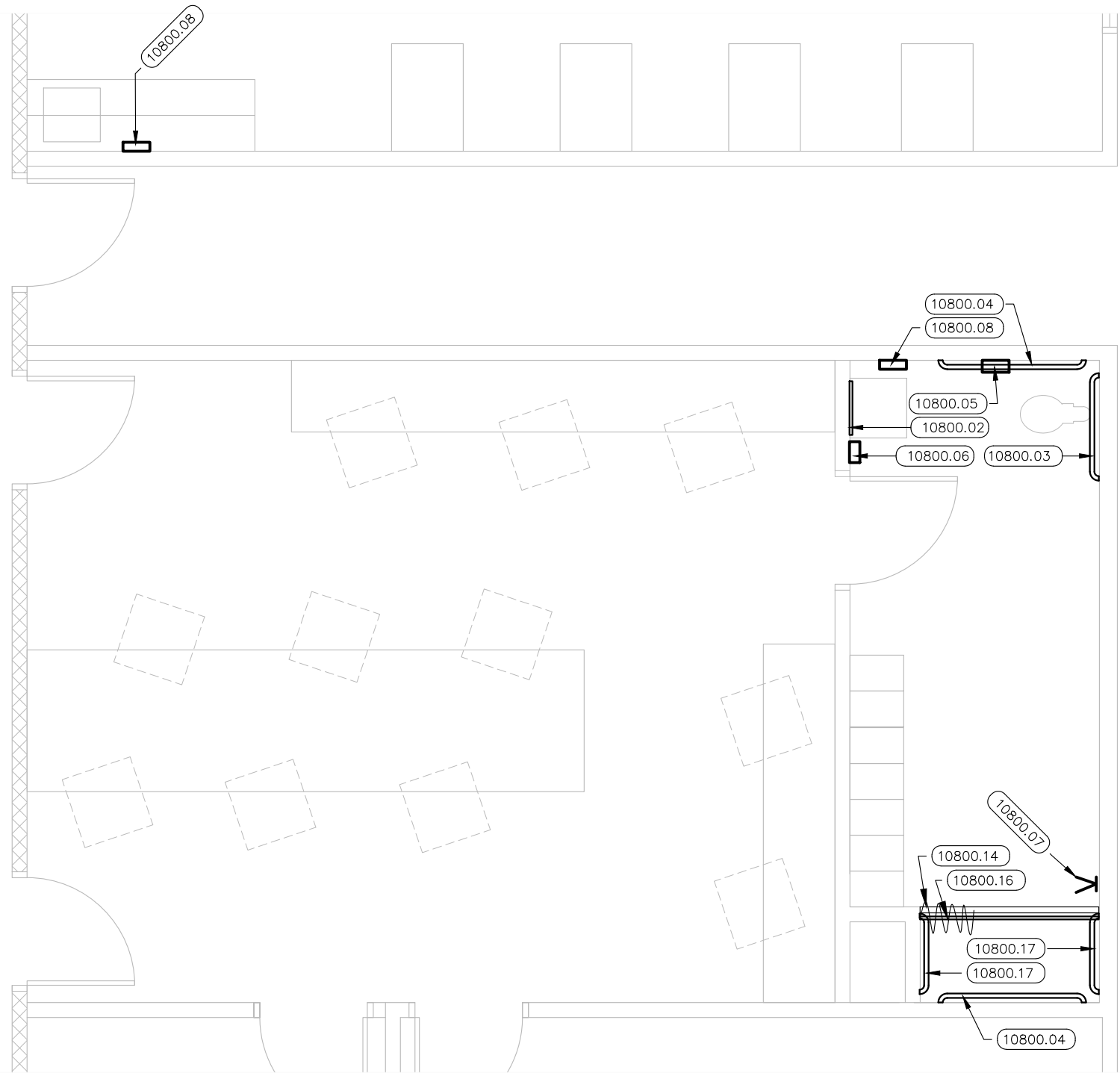
Hardware Schedule:			
SET 1: MANUF STANDARD PANIC W/ KEYPED LEVER MANUF STANDARD HINGES MANUF STANDARD CLOSER MANUF STANDARD WEATHER SEALS THRESHOLD SWEEP GROUND STOP	SET 2: PASSAGE LEVER LOCKSET DUAL CYLINDER DEAD BOLT HINGES - 6 HEAD AND SILL LATCH BOLTS WHEEL STOP - 2	SET 3: COLLING DOOR MANUF STANDARD W/ LOCK	SET 4: PRIVACY LOCKSET HINGES - 3 SILENCERS - 3 WALL STOP
SET 5: OFFICE LOCKSET - 1 HINGES - 3 SILENCERS - 3 WALL STOP SILENCERS - 3	SET 6: MANUF STANDARD PANIC W/ KEYPED LEVER - 2 MANUF STANDARD HINGES MANUF STANDARD CLOSER - 2 MANUF STANDARD WEATHER SEALS THRESHOLD SWEEP - 2 GROUND STOP - 2 REMOVABLE ASTRAGAL - 1	SET 7: MANUF STANDARD PANIC W/ KEYPED LEVER HINGES - 3 SILENCERS - 3 WALL STOP SILENCERS - 3 CLOSER	SET 8: PANIC W/ KEYPED LEVER - 2 HINGES CLOSER - 2 WEATHER SEALS THRESHOLD SWEEP - 2 GROUND STOP - 2 REMOVABLE ASTRAGAL - 1 DRIP CAP
SET 9: MANUF STANDARD PANIC W/ KEYPED LEVER MANUF STANDARD HINGES MANUF STANDARD CLOSER MANUF STANDARD WEATHER SEALS THRESHOLD SWEEP GROUND STOP DRIP CAP	SET 10: OFFICE LOCKSET - 1 HINGES - 6 CLOSER - 2 SILENCERS - 6 WALL STOP - 2 HEAD AND SILL LATCH PIN	SET 11: PANIC W/ KEYPED LEVER HINGES - 3 SILENCERS - 3 WALL STOP CLOSER	SET 12: PANIC W/ KEYPED LEVER HINGES - 3 CLOSER - 1 WEATHER SEALS THRESHOLD SWEEP GROUND STOP REMOVABLE ASTRAGAL DRIP CAP
SET 13: PASSAGE LOCKSET HEAD AND SILL LATCH BOLTS HINGES - 6 CLOSER - 2 WEATHER SEALS THRESHOLD SWEEP - 2 GROUND STOP - 2 DEAD BOLT LOCK DRIP CAP			



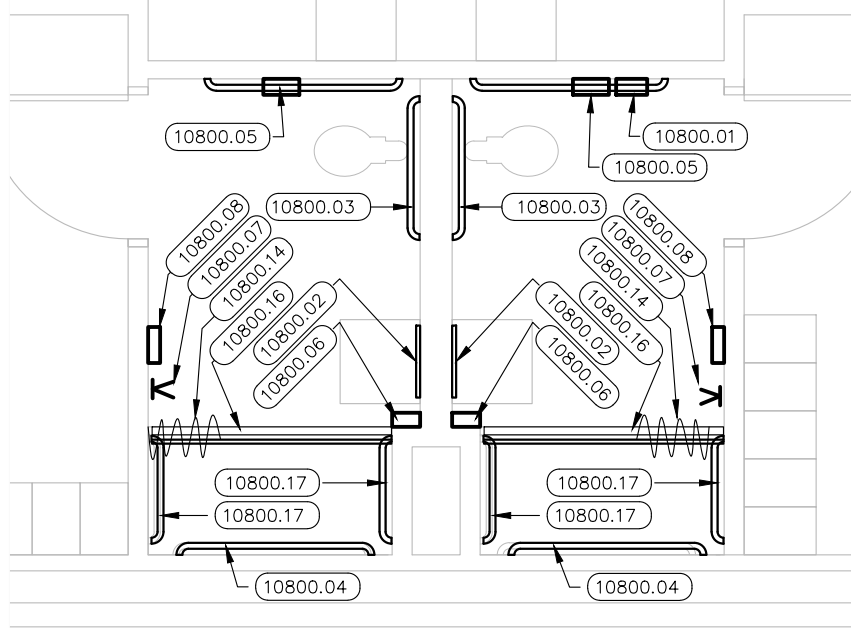
DOOR AND WINDOW INFORMATION



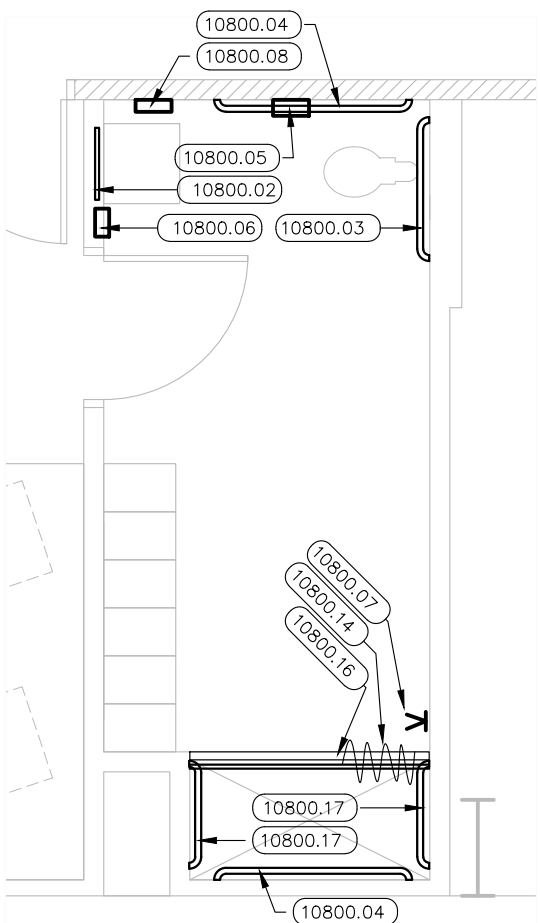
ROOM 111, 112, 114, 115
SCALE: 1/4"=1'-0"



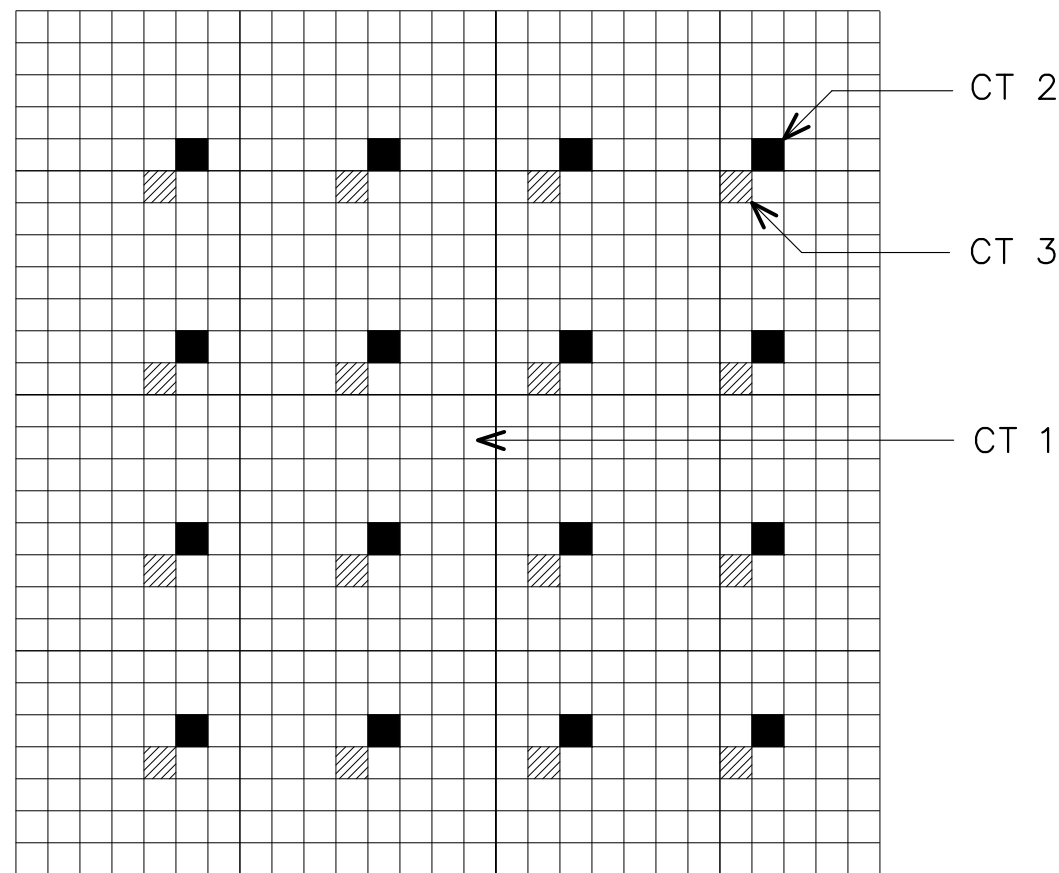
ROOM 108, 118
SCALE: 1/4"=1'-0"



ROOM 122, 124
SCALE: 1/4"=1'-0"



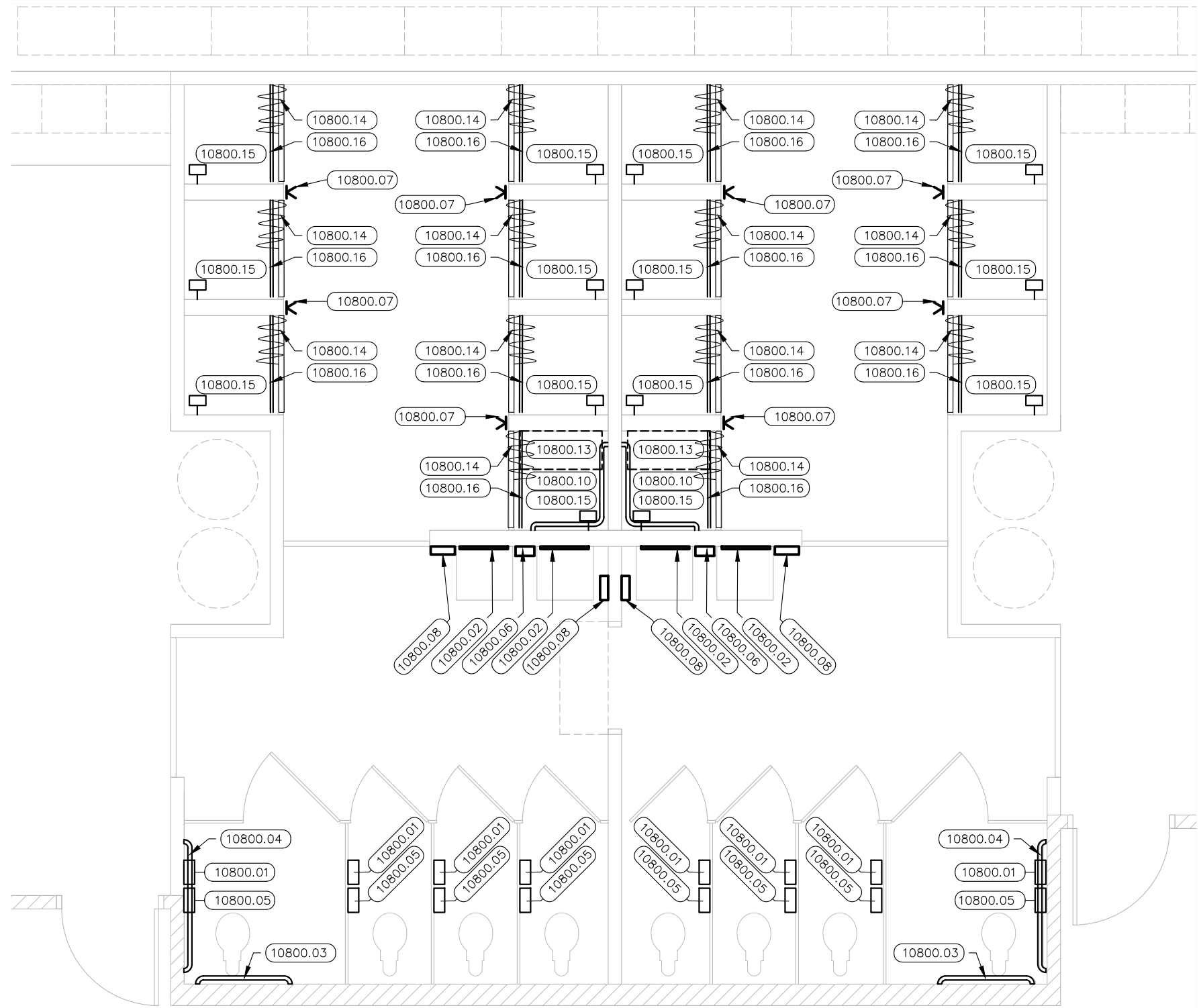
ROOM 127
SCALE: 1/4"=1'-0"



A FLOOR TILE PATTERN
SCALE: 1"=1'-0"

TOILET ACCESSORY SYMBOLS:

SYMBOL:	MAKE AND MODEL	MOUNTING HEIGHT AND DETAILS:
10800.01	ASI FEMINE NAPKIN DISPOSAL #852	28" A.F.F. TO LID
10800.02	ASI MIRROR #600	40" A.F.F. MAXIMUM TO REFLECTIVE SURFACE
10800.03	ASI 36" GRAB BAR #3800	33" A.F.F. AND 13" FROM CL OF TOILET TO END OF BAR
10800.04	ASI 48" GRAB BAR #3800	33" A.F.F. AND 9" FROM BACK WALL TO END OF BAR
10800.05	ASI TOILET PAPER DISPENSER #0042	20" A.F.F. AND 8" IN FRONT OF TOILET TO CL OF DISPENSER
10800.06	ASI SOAP DISPENSER #20364	44" A.F.F. TO CL
10800.07	ASI #7782 COAT HOOK	72" A.F.F. 47" A.F.F. @ ACCESSBLE
10800.08	ASI PAPER TOWEL DISPENSER #210	44" A.F.F. TO BOTTOM OF DISPENSER
10800.09	ASI MOP RACK #1308	72" A.F.F. TO TOP OF SHELF
10800.10	ASI GRAB BAR #3850 TYPE 60 30"X18" CORNER TYPE BAR	33" A.F.F.
10800.11	ASI 9018-9 BABY CHANGING STATION - HORIZONTAL STAINLESS STEEL - SURFACE MOUNTED	44" A.F.F. TO WORK SURFACE
10800.12	ASI SHOWER ROD #1214 W/ 48" ASI CURTAIN #1200V AND ASI CURTAIN HOOKS #1200 SHU	74" A.F.F. TO CL
10800.13	ASI #8206 FOLDING L SHAPE SHOWER BENCH.	18" A.F.F. TO TOP OF BENCH
10800.14	2"X1/2" MARBLE THRESHOLD W/ BEVELED EDGES	SET IN SEALANT ON TOP OF TILE
10800.15	SOAP DISH ASI #720Z	MOUNT @ 60" A.F.F. 47" A.F.F. @ ACCESSIBLE
10800.16	ASI SHOWER ROD #1214 W/ 48" ASI CURTAIN #1200V AND ASI CURTAIN HOOKS #1200 SHU	MOUNT ROD @ 75"
10800.17	ASI 24" GRAB BAR #3800	33" A.F.F. AND 3" FROM BACK

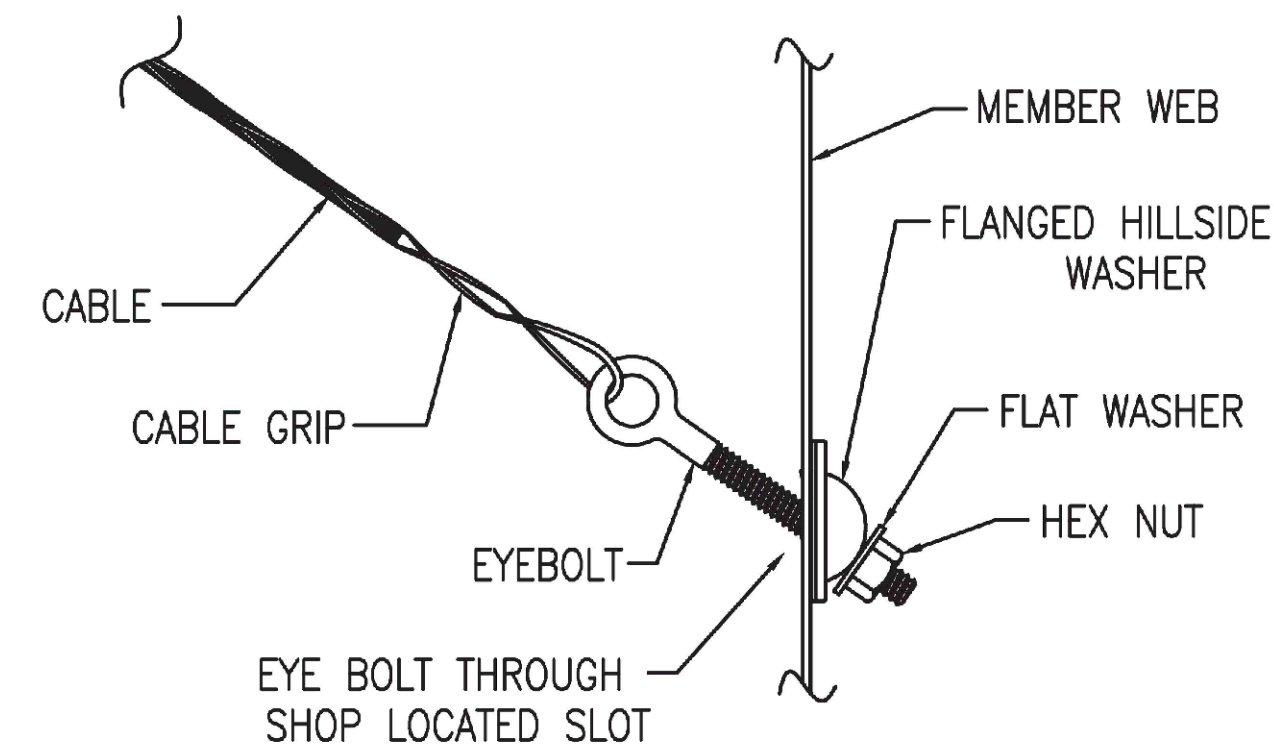


ROOM 130, 131, 133, 134
SCALE: 1/4"=1'-0"

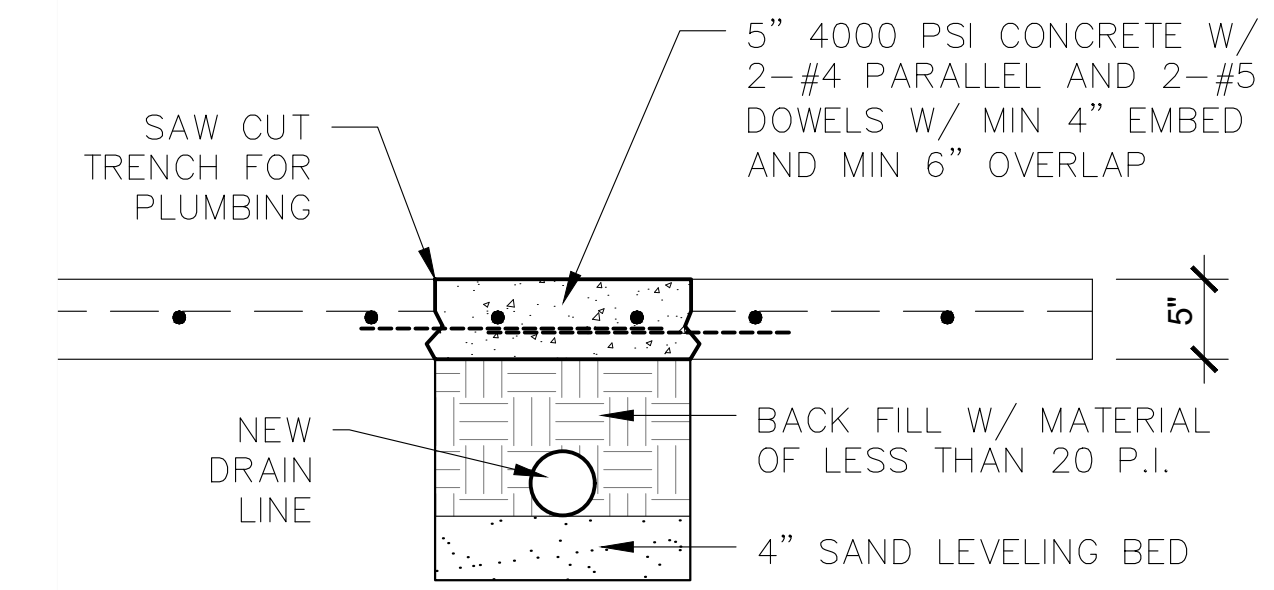
2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



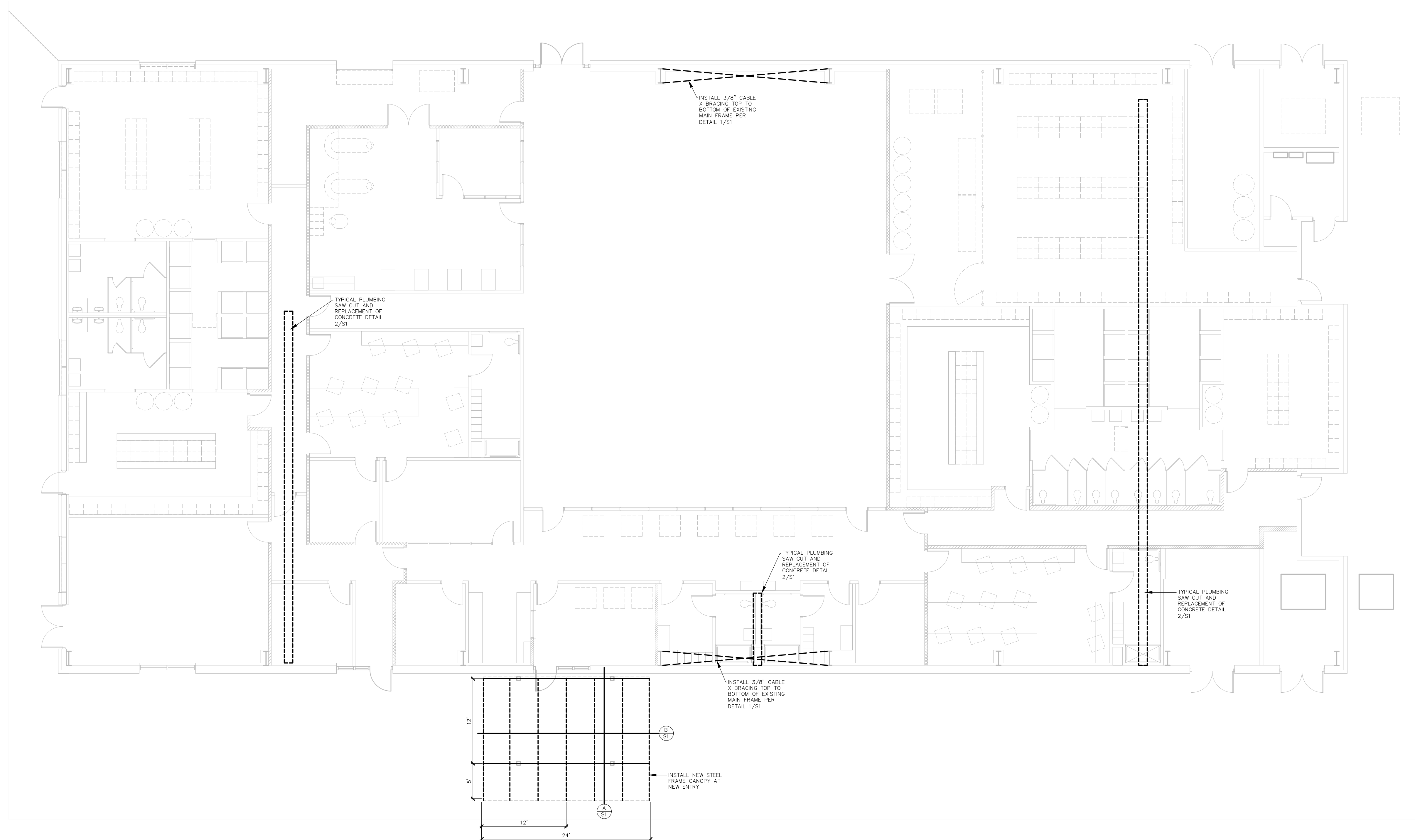
DATE:	8/14/25
REVISED:	



1
DETAIL
NO SCALE



2
SAW CUT @ DRAIN
SCALE: 1"=1'-0"



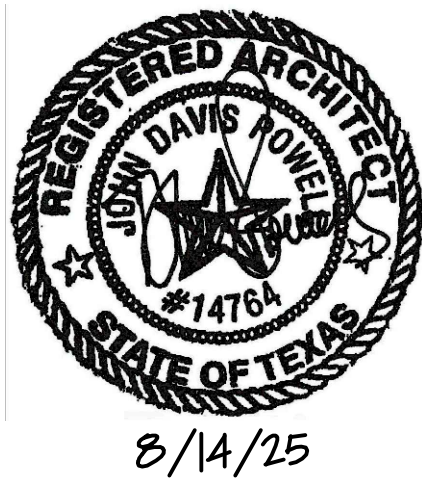
STRUCTURAL
FRAMING:
SCALE: 1/8"=1'-0"

2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



DATE:	8/14/25
REVISED:	

SHEET:
S1

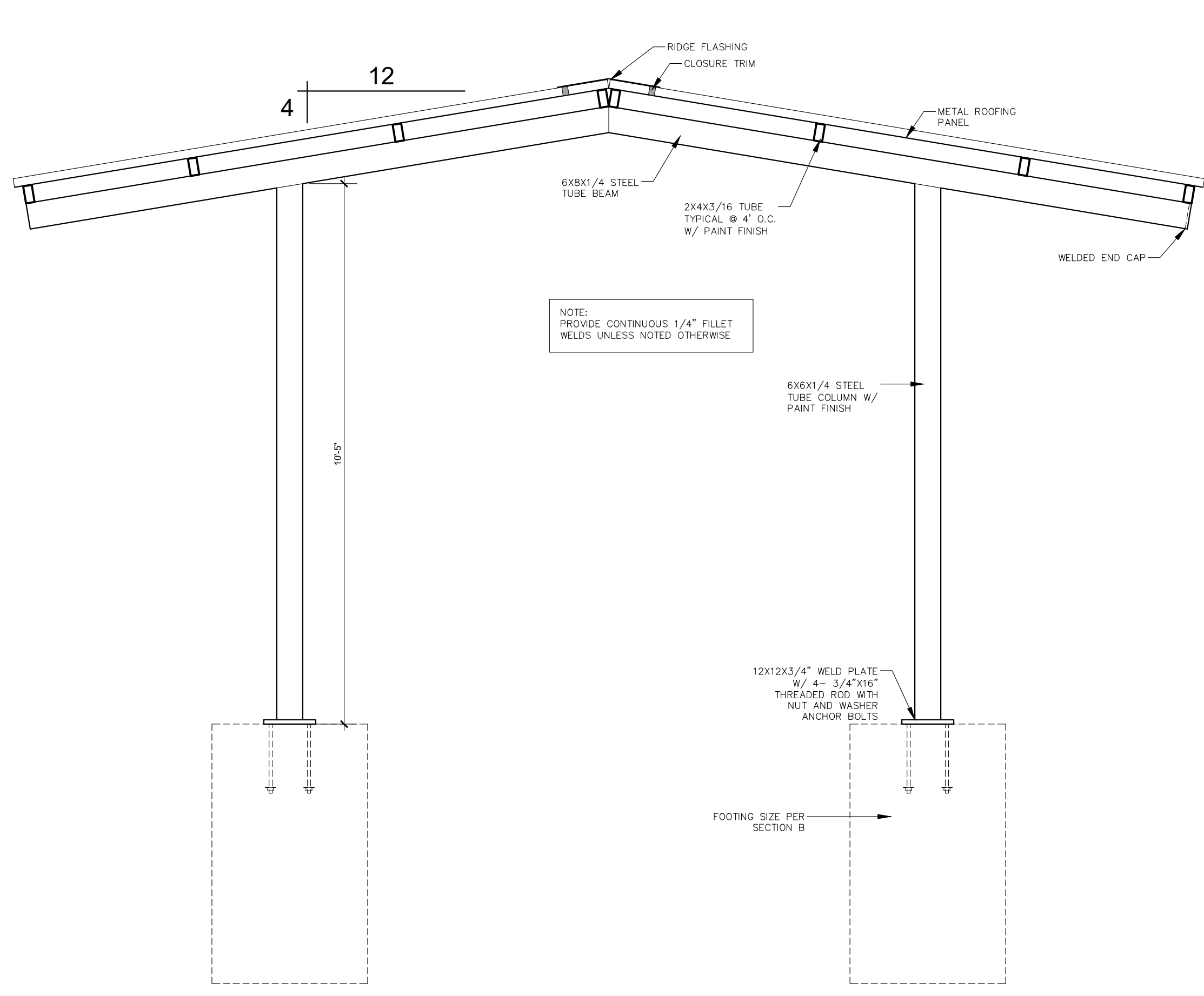


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ROBSTOWN ISD
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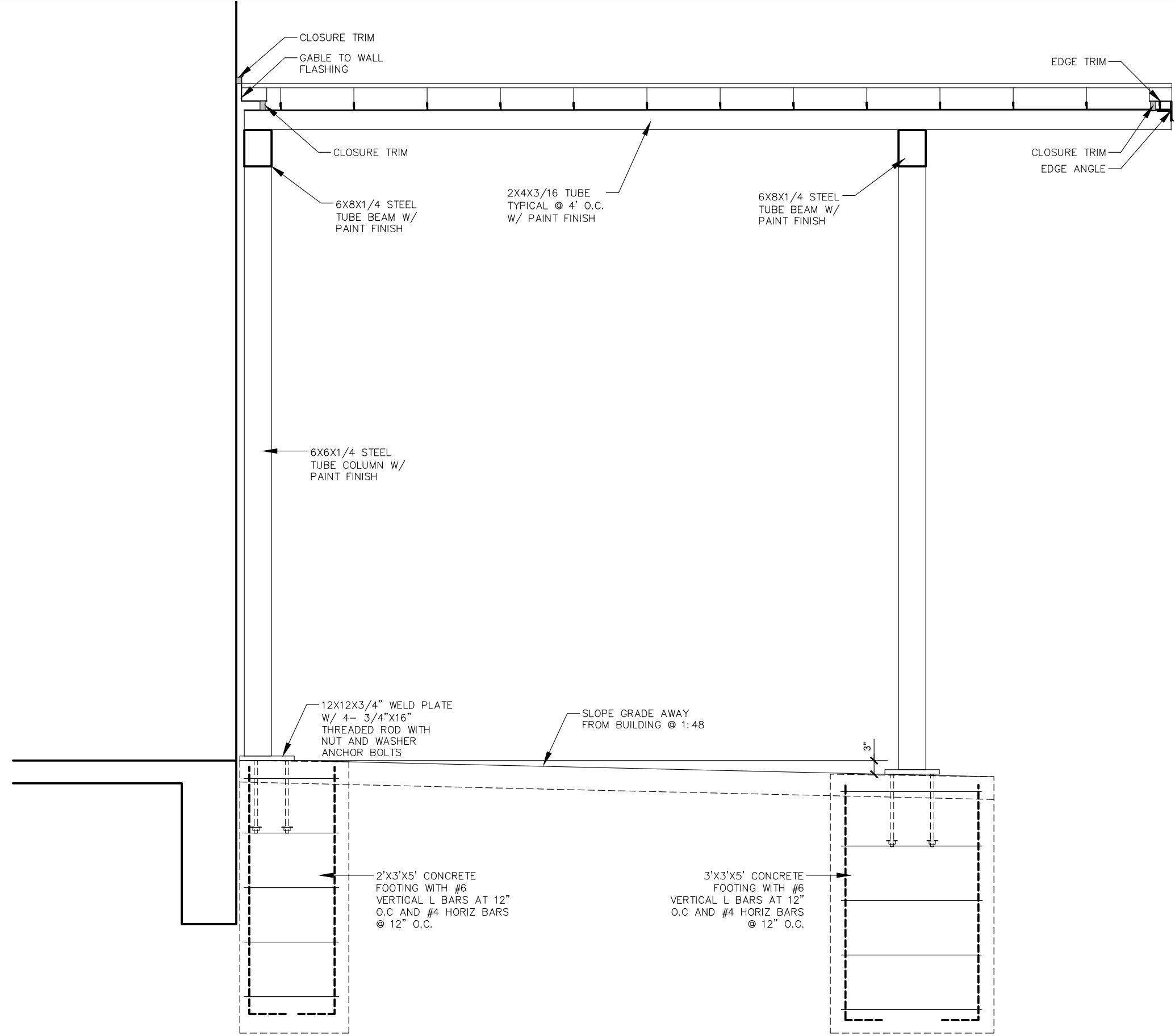


DATE:	8/14/25
REVISED:	

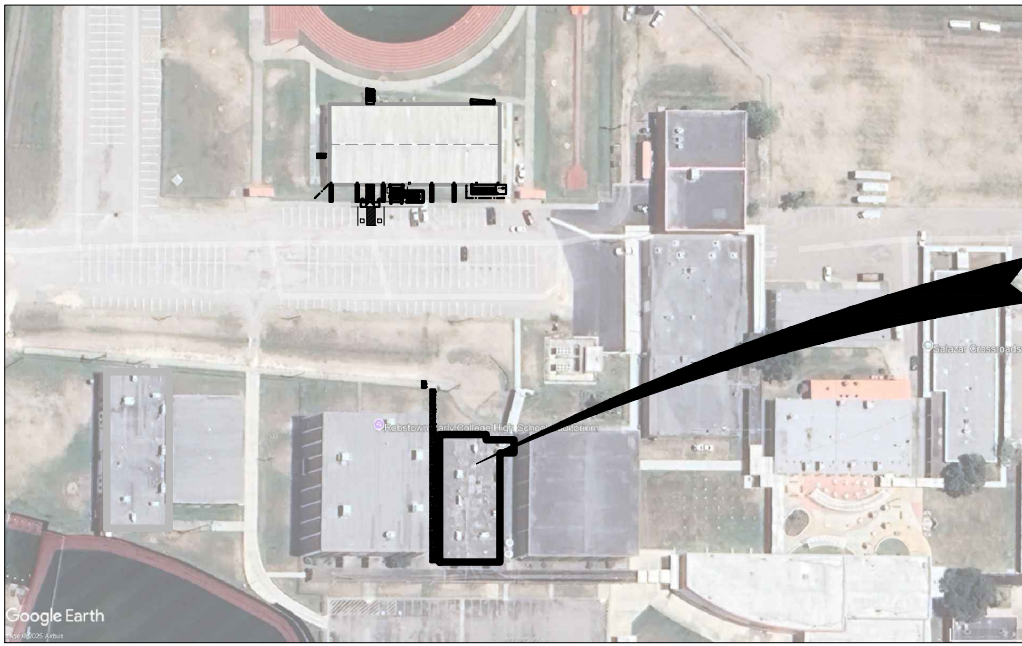
SHEET:
S2



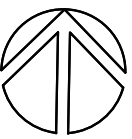
A SECTION
3/4"=1'-0"



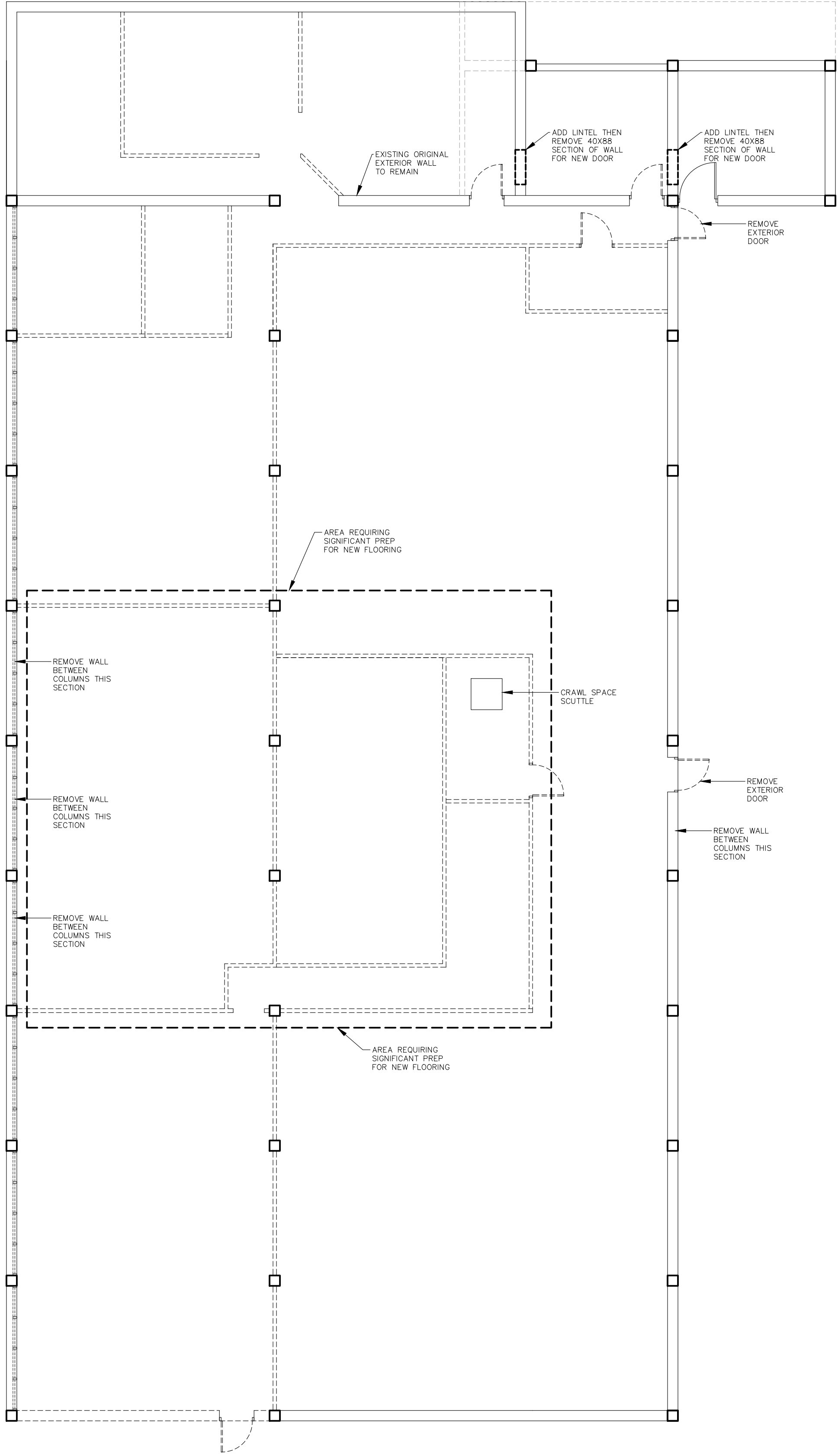
B SECTION
3/4"=1'-0"



SITE



LOCATION MAP
NO SCALE



SCOPE OF WORK:

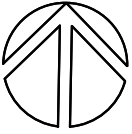
1. PREP EXISTING FOUNDATION FOR NEW FLOORING
2. REMOVE SECTIONS OF WALL FOR NEW ALUM STOREFRONT
3. CORING FOR NEW PLUMBING TO CRAWL SPACE

DEMOLITION SYMBOLS:

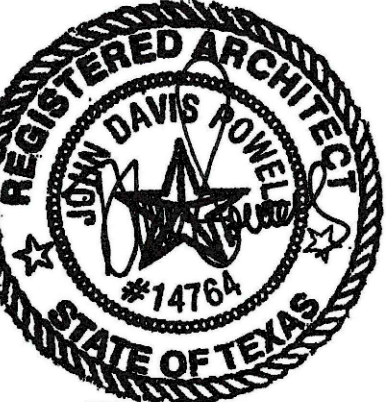
- EXISTING WALL TO REMAIN
- EXISTING WALL PREVIOUSLY REMOVED

DEMOLITION NOTES:

1. CONTRACTOR SHALL HAVE AT THE JOB SITE HAZARDOUS MATERIAL SURVEY PROVIDED BY OWNER. CONTRACTOR SHALL NOTIFY STATE HEALTH DEPARTMENT AS REQUIRED BY STATUTE 10 DAYS BEFORE THE START OF DEMOLITION.
2. SEE SPECIFICATION SECTION 1740 FOR DISPOSAL INFORMATION



DEMOLITION PLAN
SCALE: 1"=8'



8/14/25

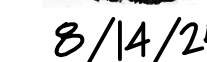
2025 FIELD HOUSE IMPROVEMENTS
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SHEET:

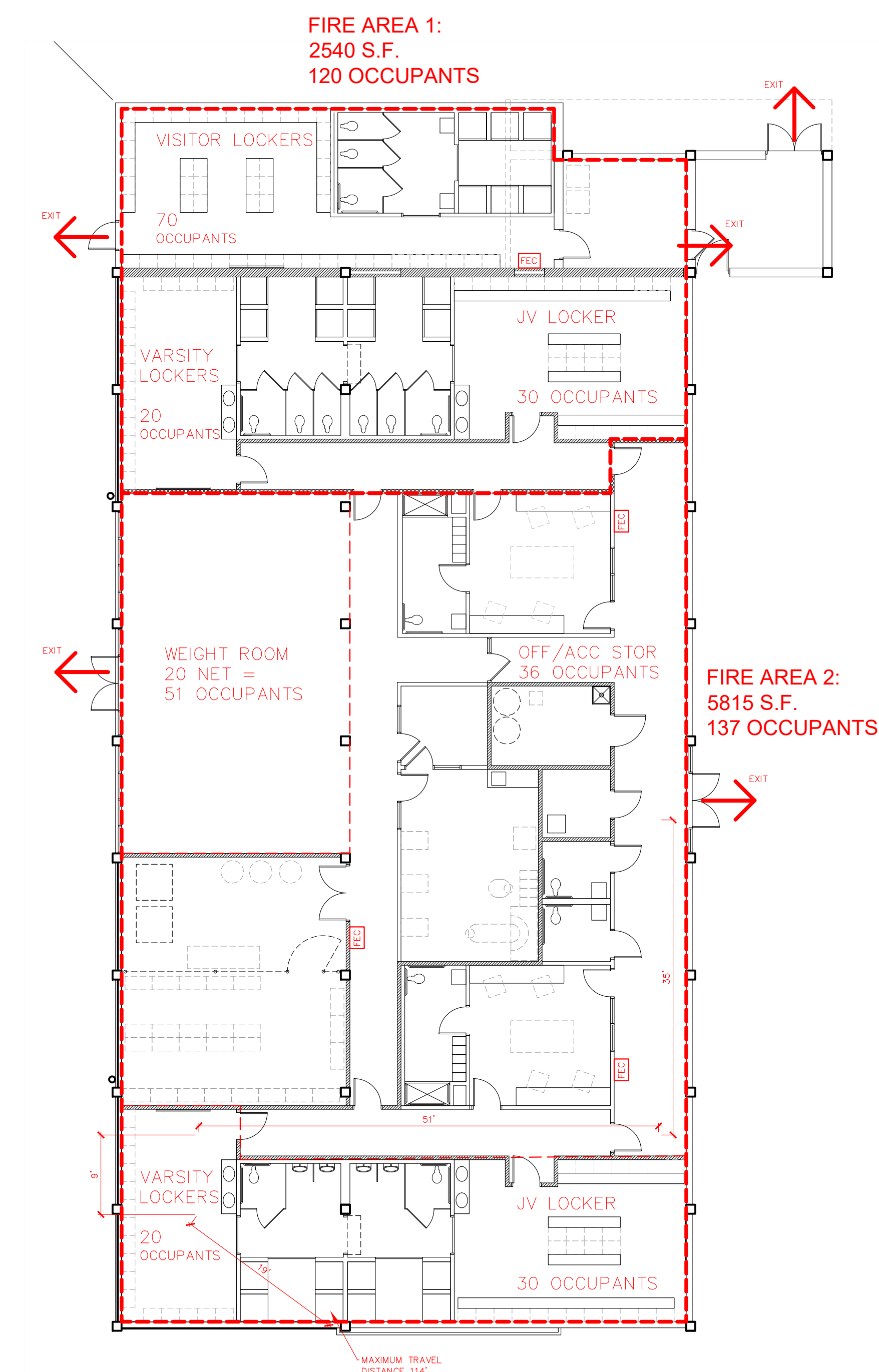
D1.1



2025 FIELD HOUSE IMPROVEMENTS
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ROBSTOWN, TX

[illegible]

SHEET:
LS1.1



LIFE SAFETY
GYM LOCKER ROOM
FLOOR PLAN
SCALE: 1/8"=1'

davis powell architecture
1152 ferry street suite b
eagle pass, tx 78852
830.757.6750
davispowellarchitect.com

8/14/25

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[illegible]

GYM LOCKER ROOM
FLOOR PLAN
SCALE: 1/8"=1'



1. FOR CEILING INFORMATION SEE SHEET A2.1
2. FOR FINISH INFORMATION SEE FINISH SCHEDULE SHEET A1.1
3. FOR DOOR INFORMATION SEE SHEET A9.1
4. FOR WINDOW INFORMATION SEE SHEET A9.1
5. FOR TOILET ACCESSORY INFO SEE SHEET A10.1

SECTION / DETAIL NUMBER

- | | | |
|---|---|--|
|  | — | SECTION / DETAIL NUMBER |
|  | — | SECTION / DETAIL SYMBOL |
|  | — | SECTION / DETAIL SHEET |
|  | — | WALL TYPE SYMBOL – SEE SHEET A6.1, A7.1, A8.1 |
|  | — | WINDOW TYPE SYMBOL – SEE SHEET A9.1 |
|  | — | FIRE EXTINGUISHER AND CABINET PER SECTION 1052.2 OF THE SPECIFICATIONS |

SHEET:

A1.1



8/14/25

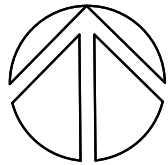
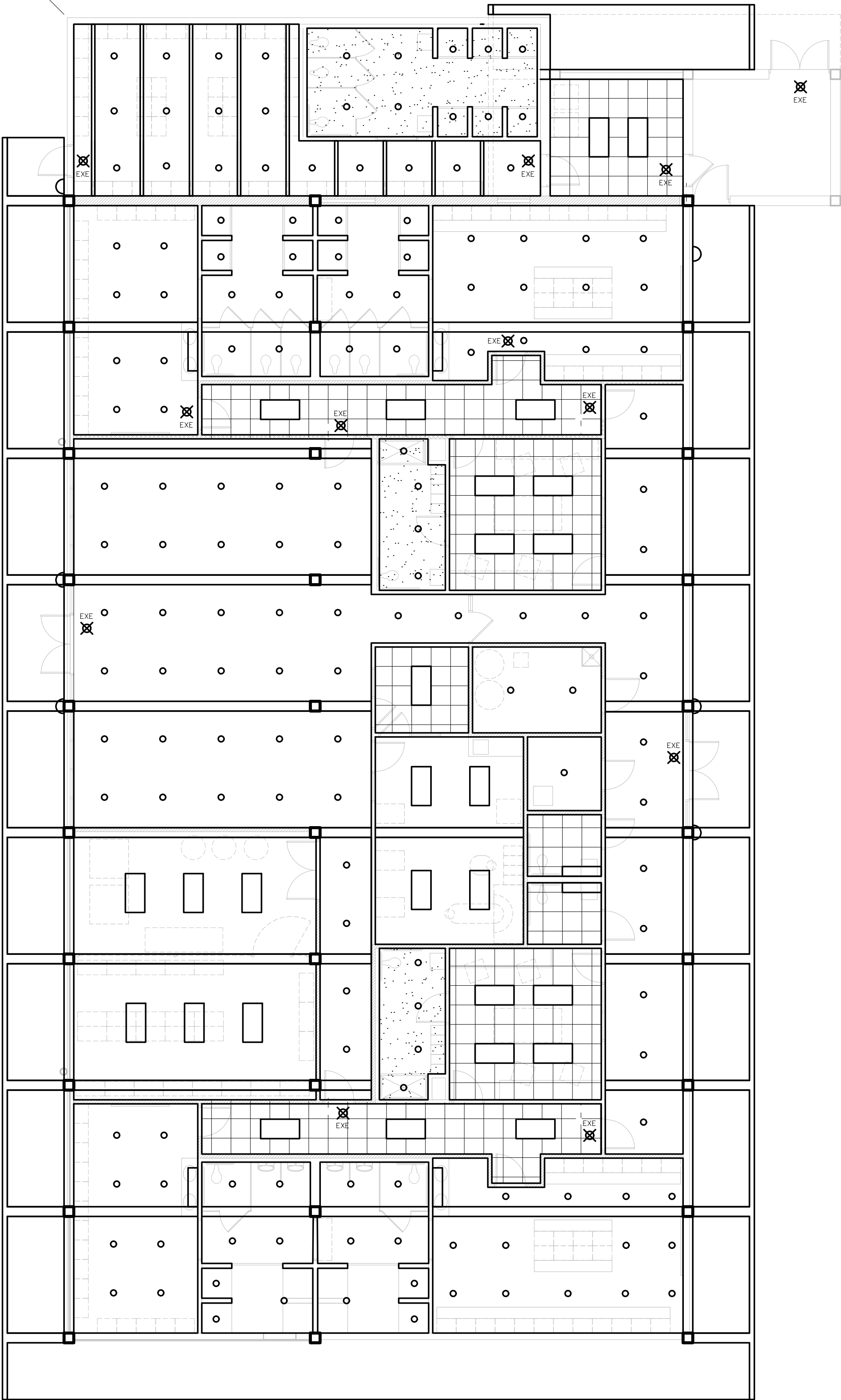
2025 FIELD HOUSE IMPROVEMENTS
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ROBSTOWN, TX



DATE:	8/14/25
REVISED:	

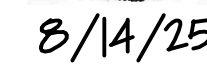
SHEET:

A2.1

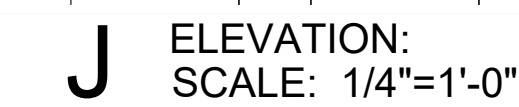
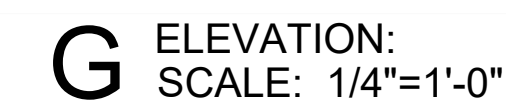
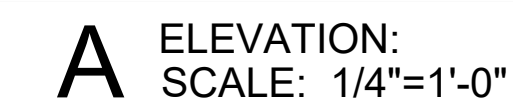


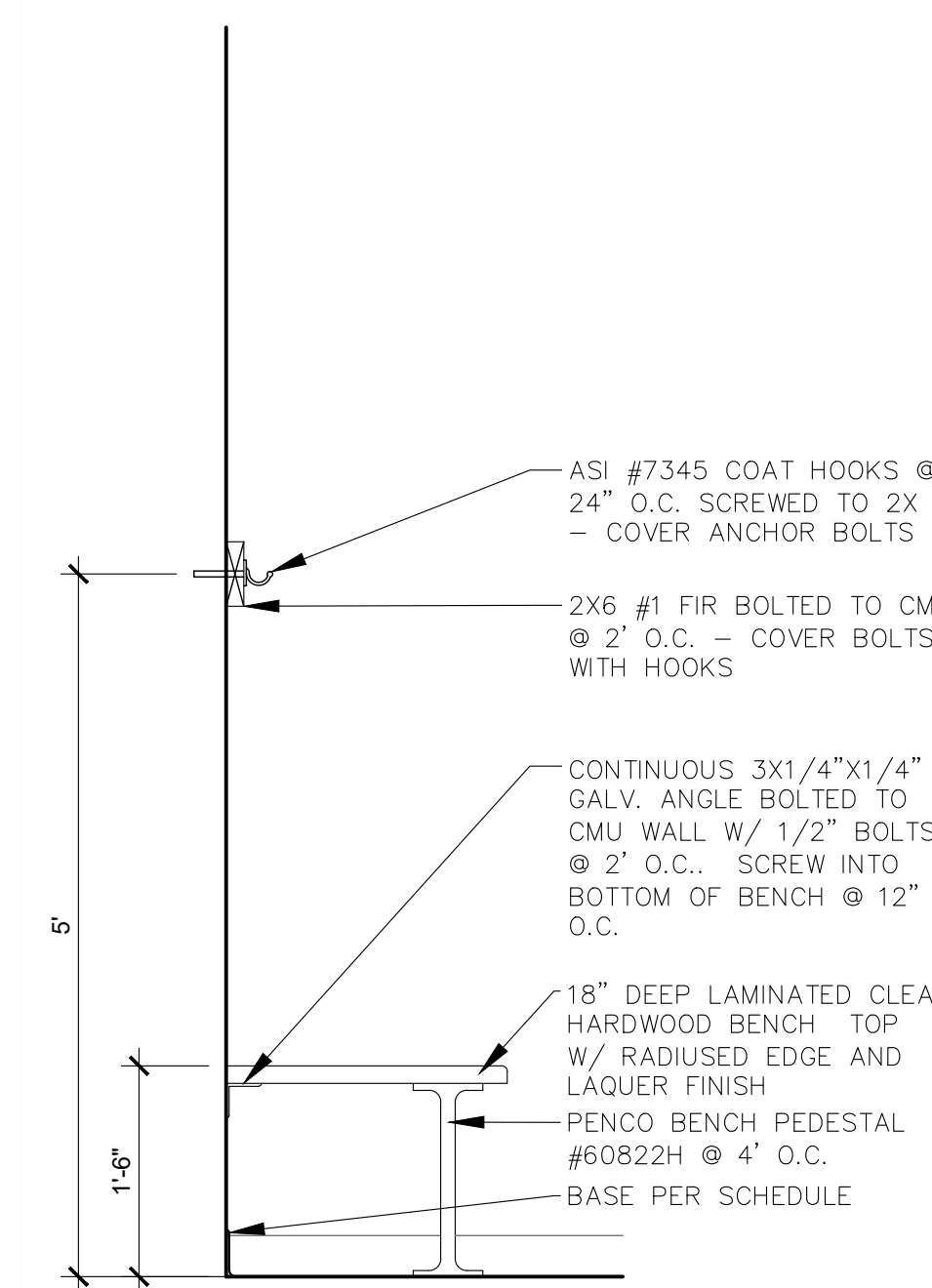
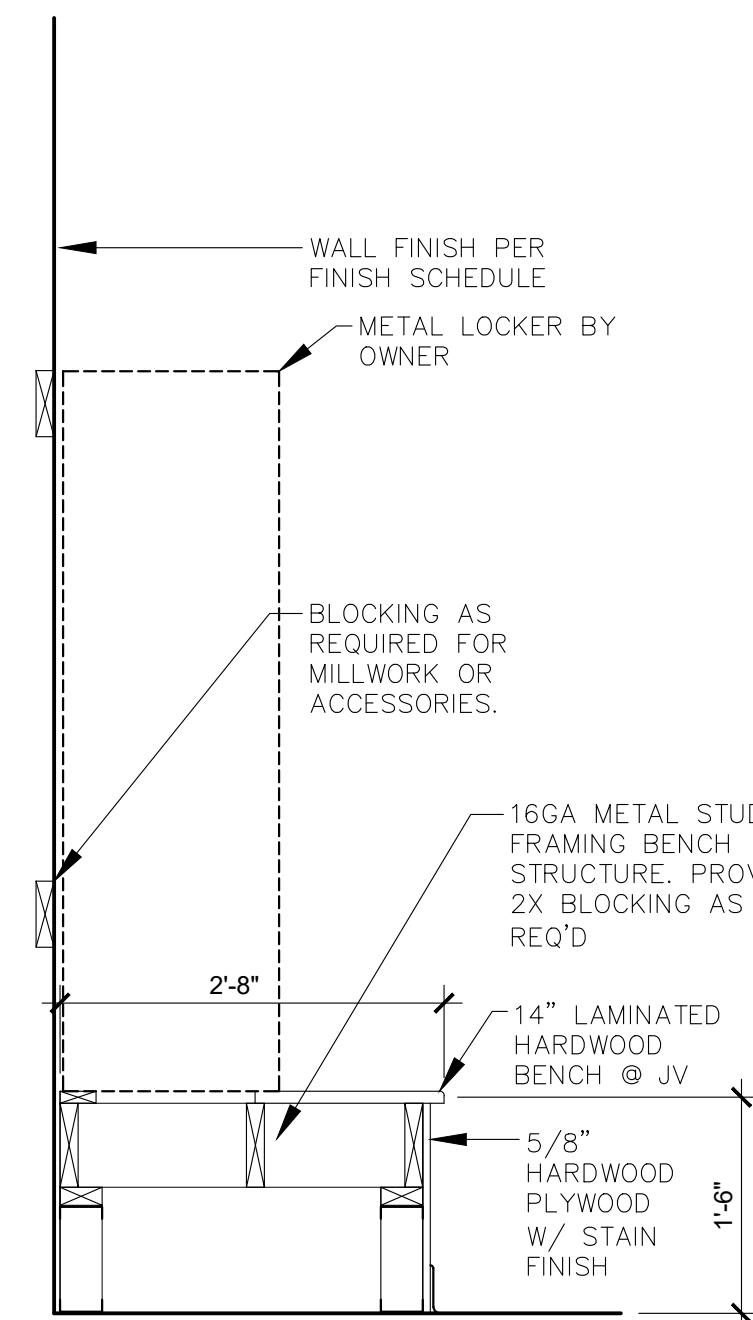
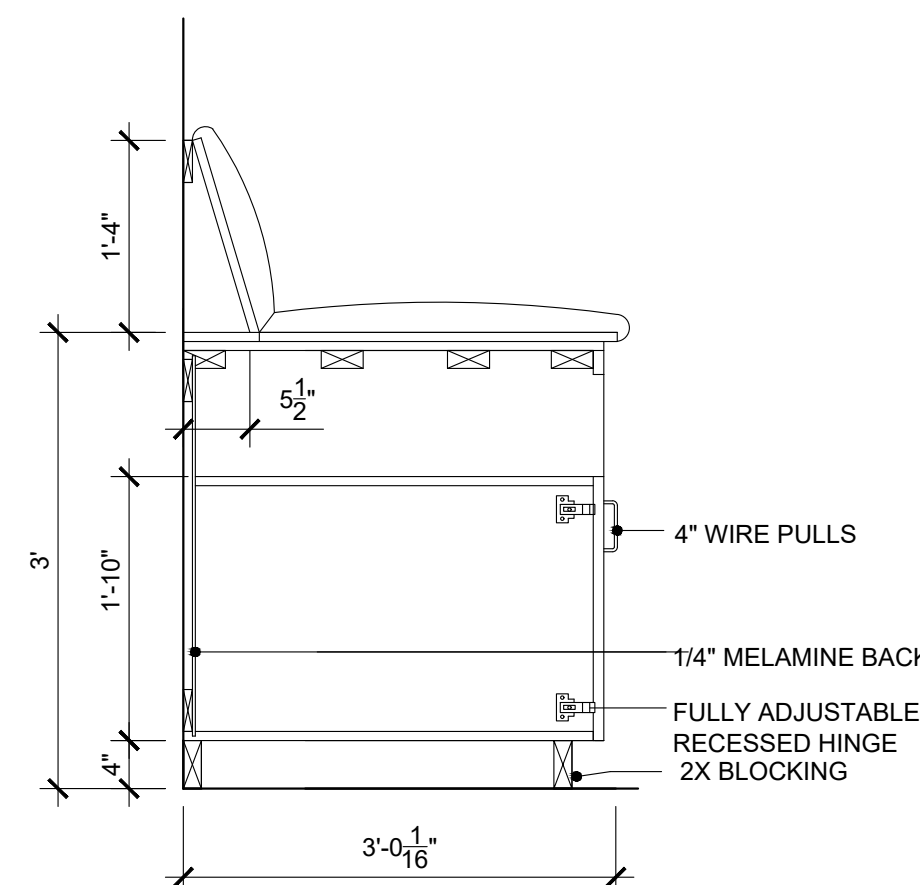
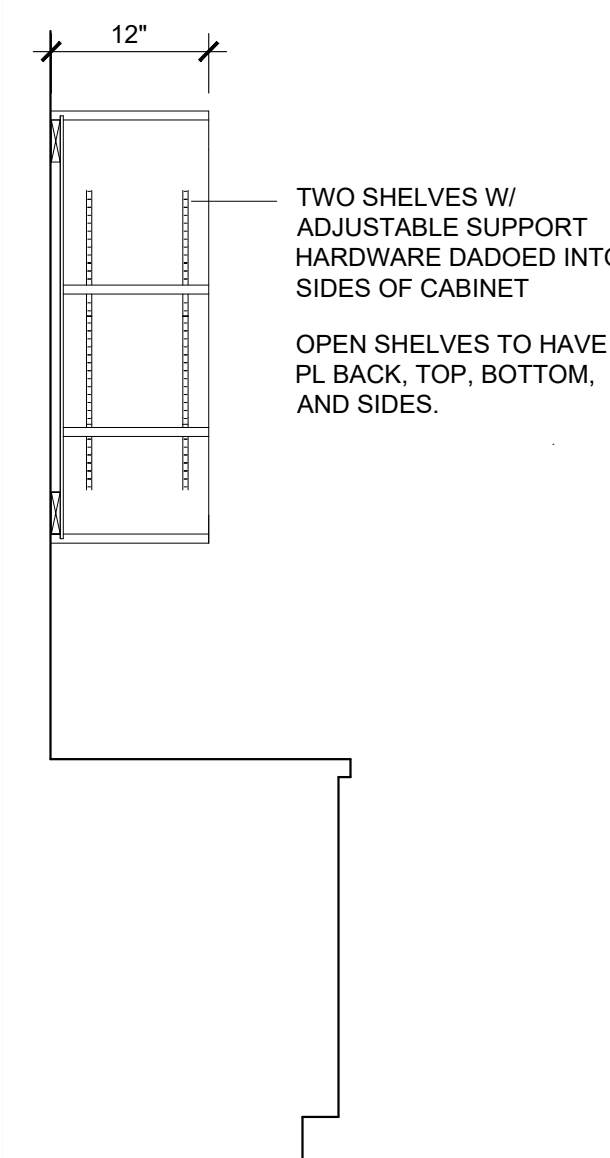
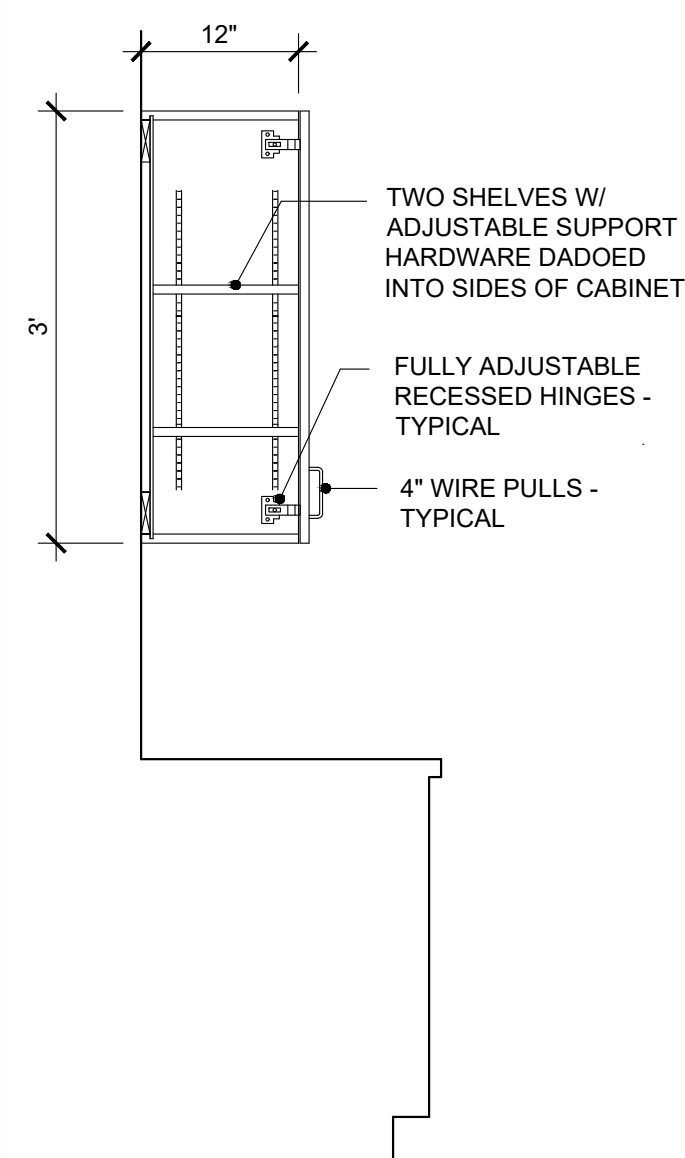
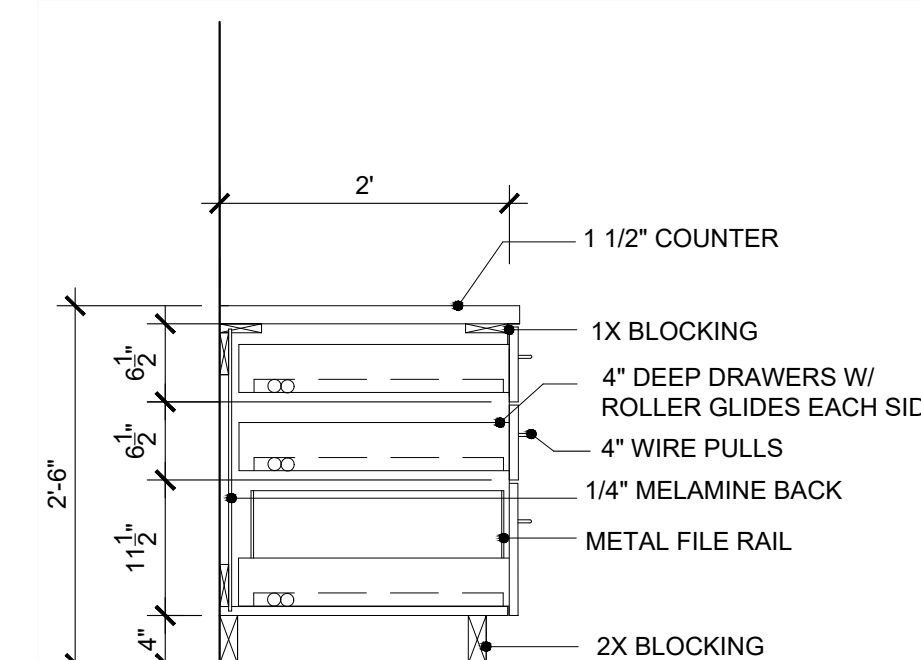
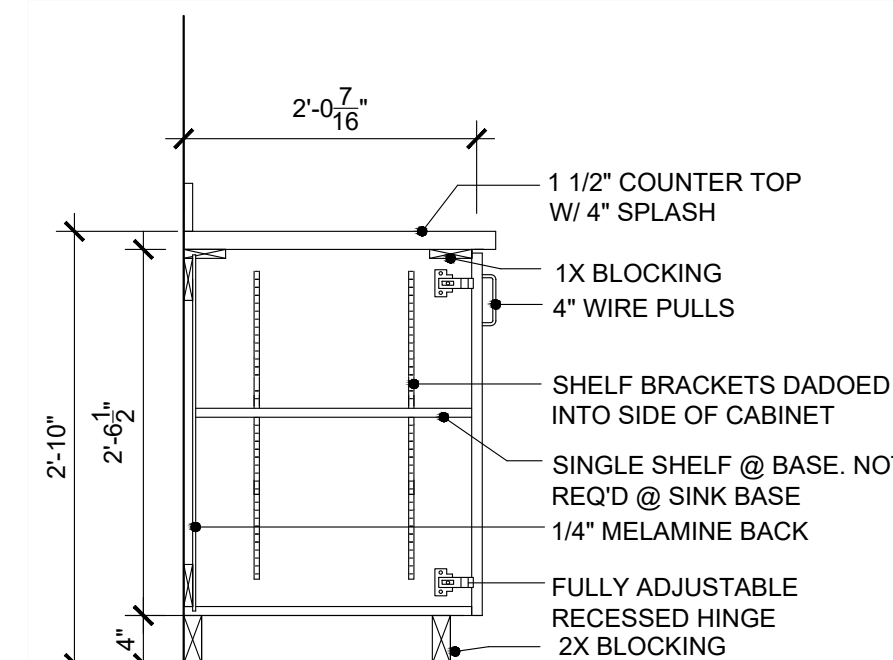
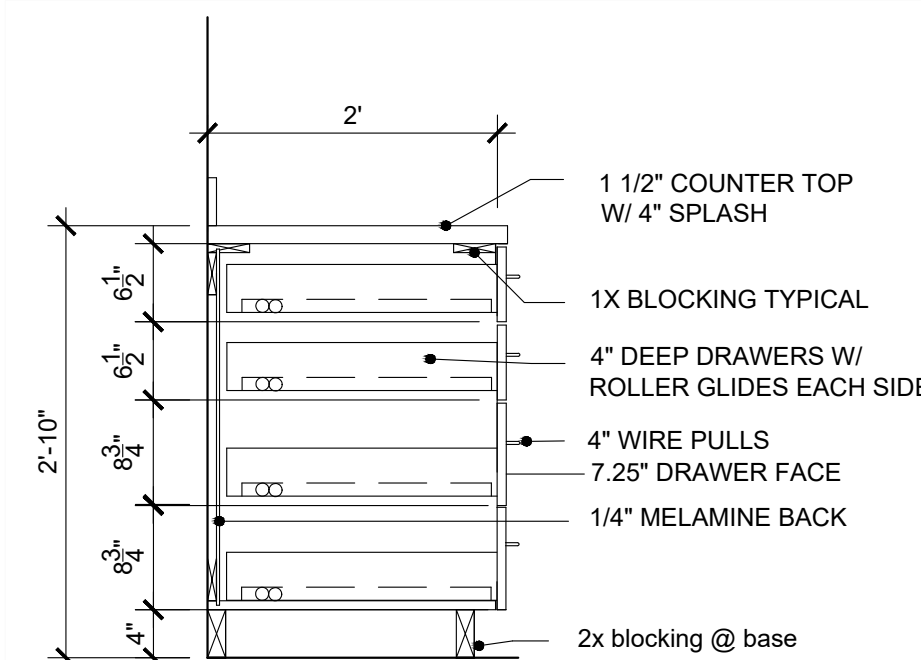
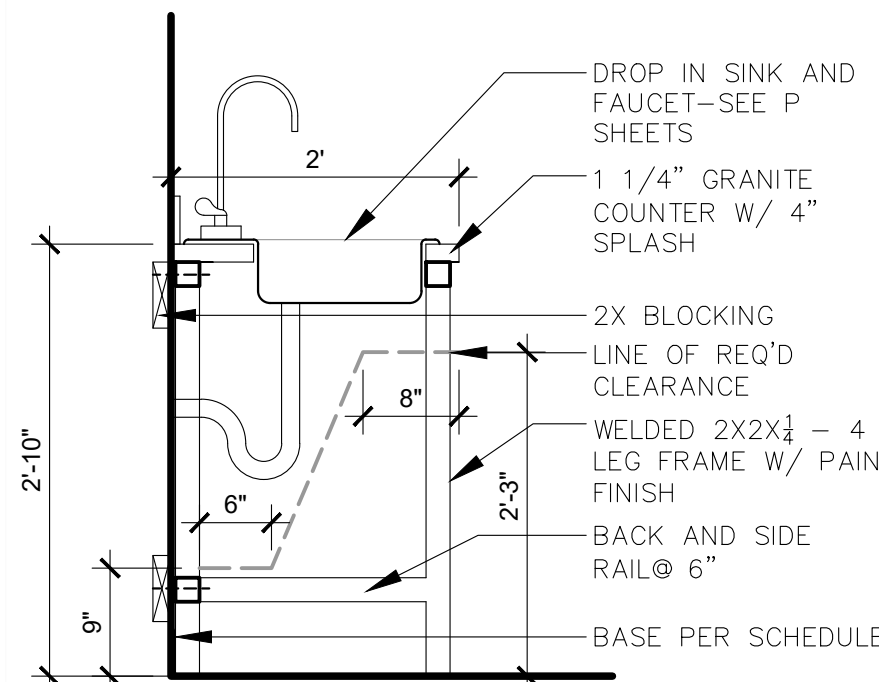
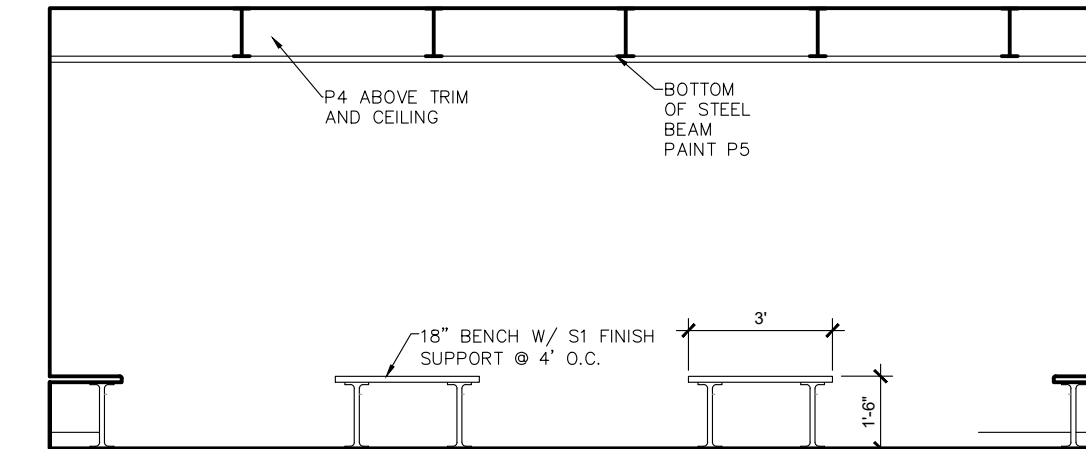
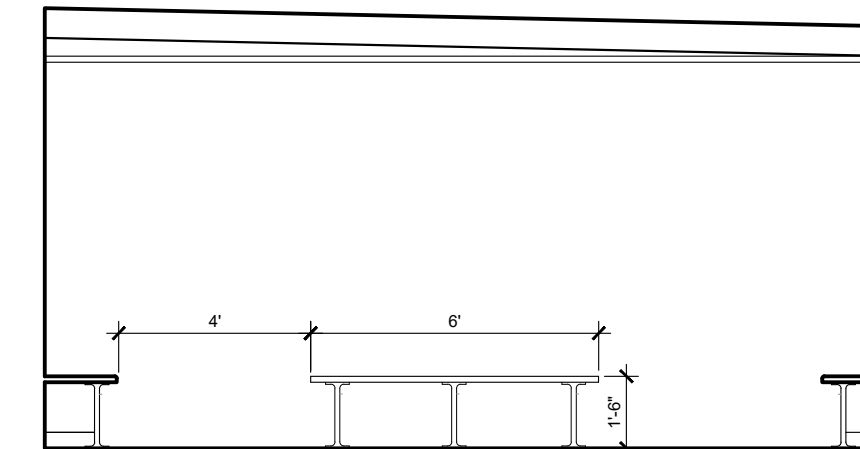
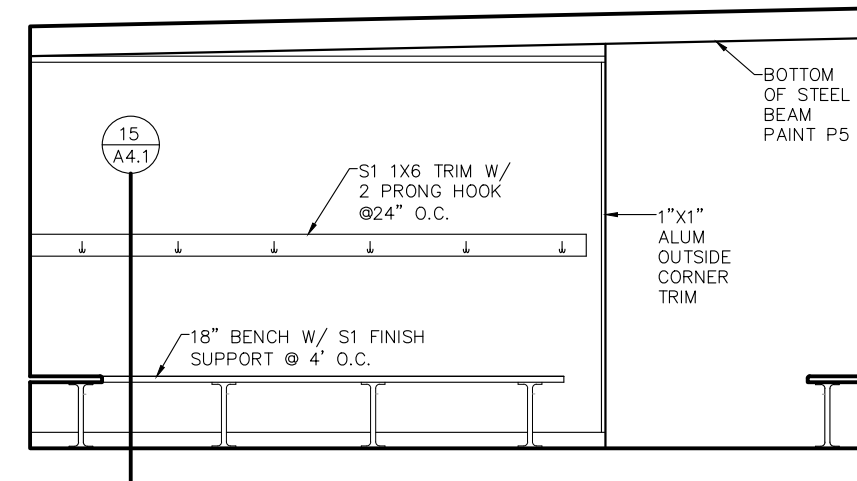
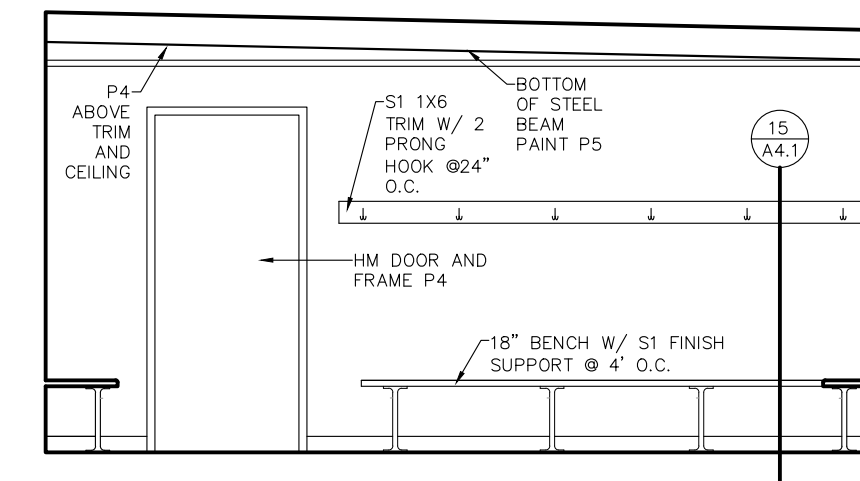
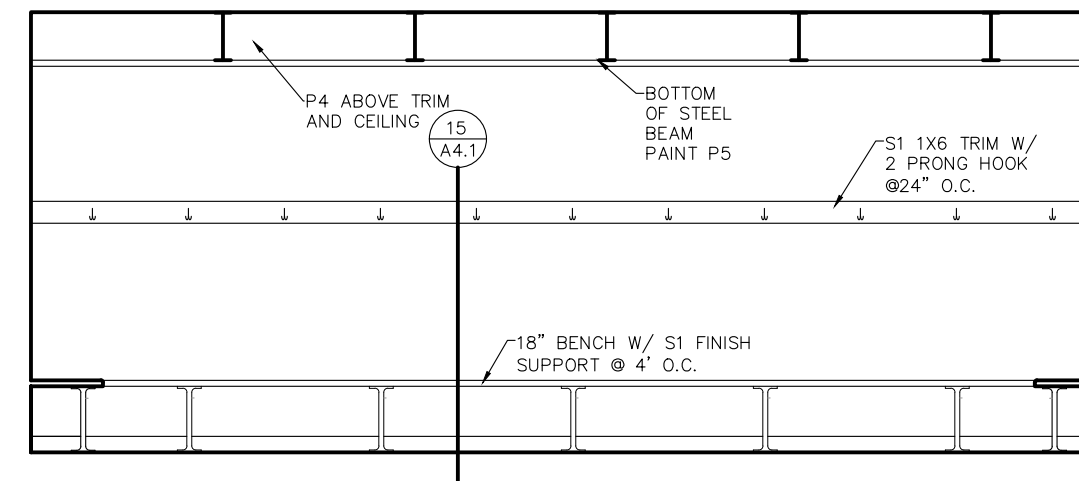
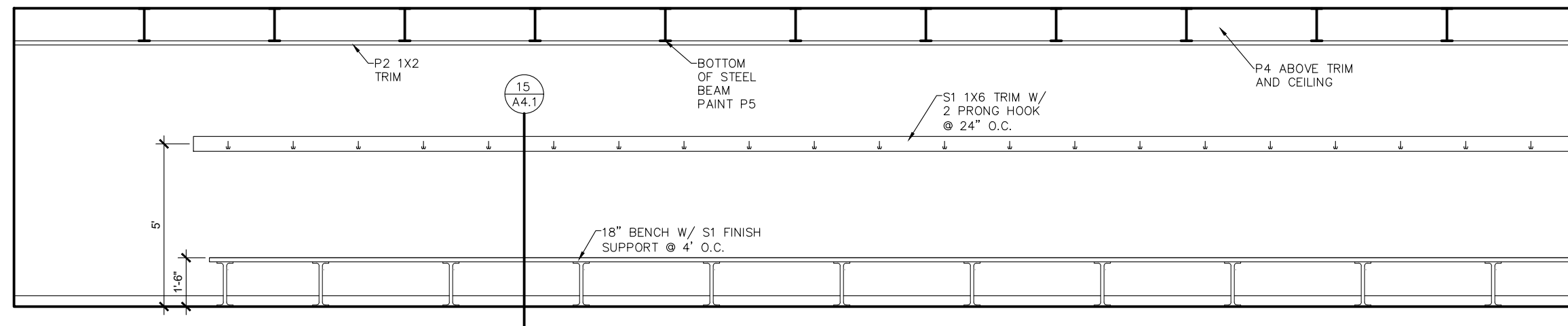
CEILING PLAN:

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

[illegible]

SHEET:
A3.1





2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



DATE:	8/14/25
REVISED:	

SHEET:

A4.1

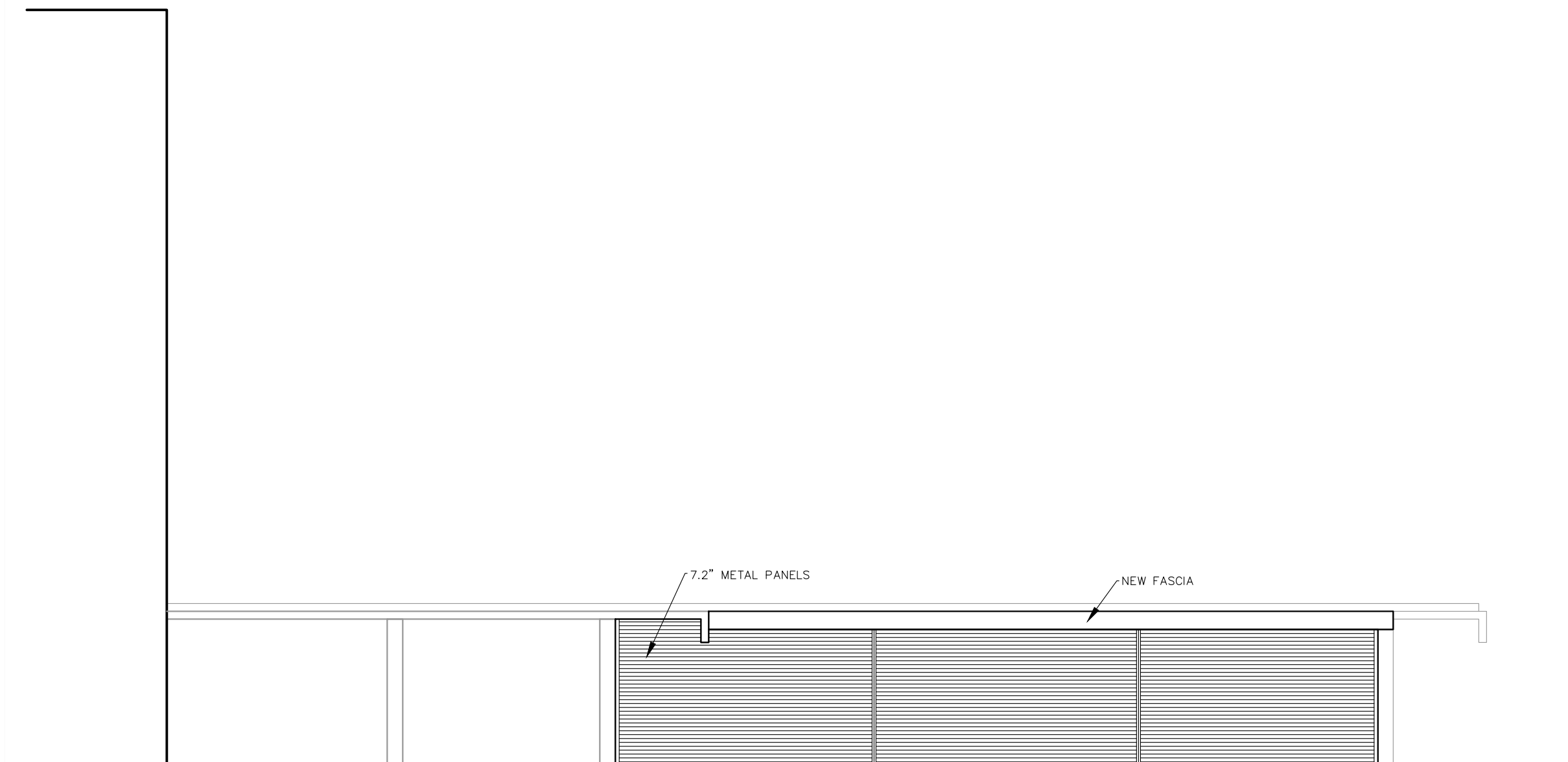


2025 FIELD HOUSE IMPROVEMENTS
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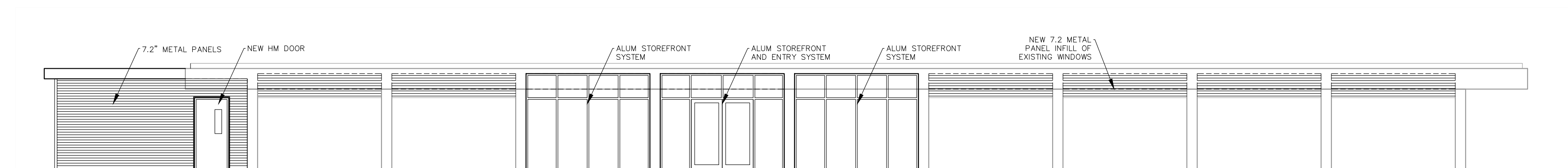
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SHEET:

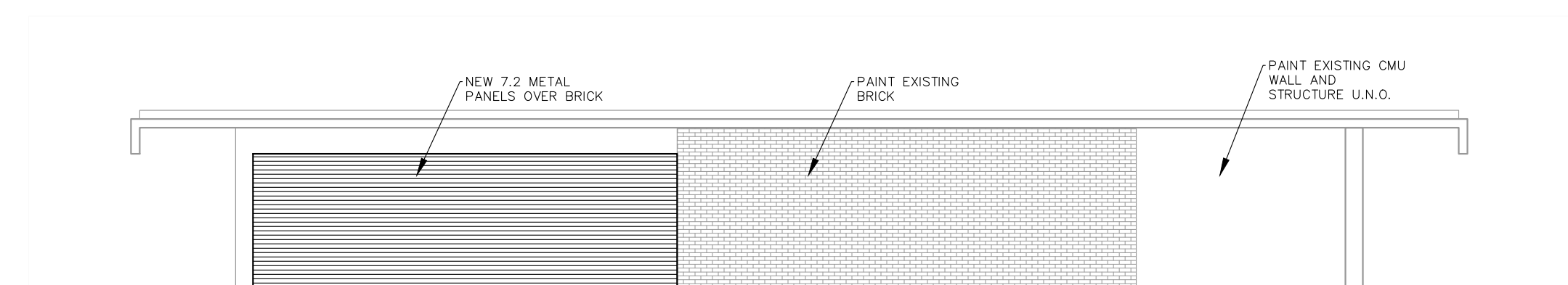
A5.1



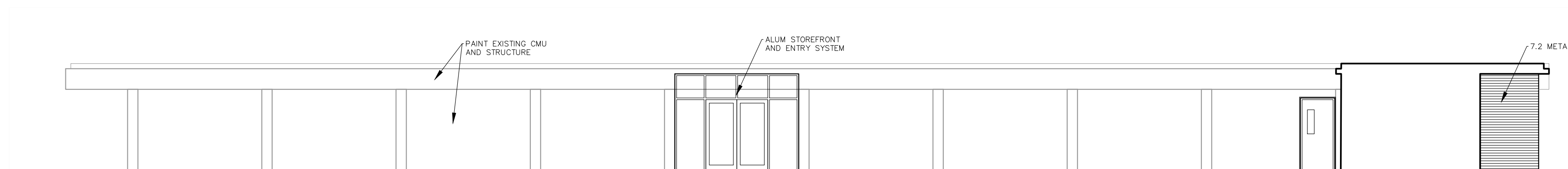
NORTH



WEST



SOUTH



EAST

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

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

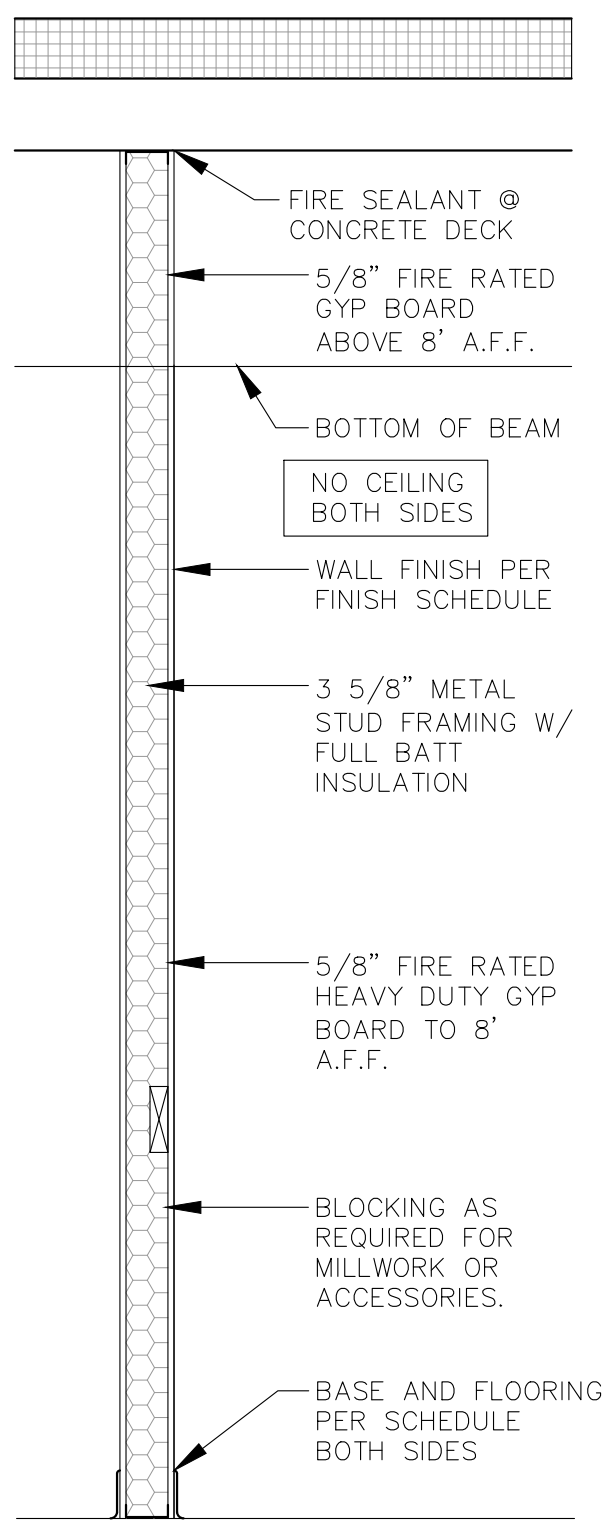


2025 FIELD HOUSE IMPROVEMENTS
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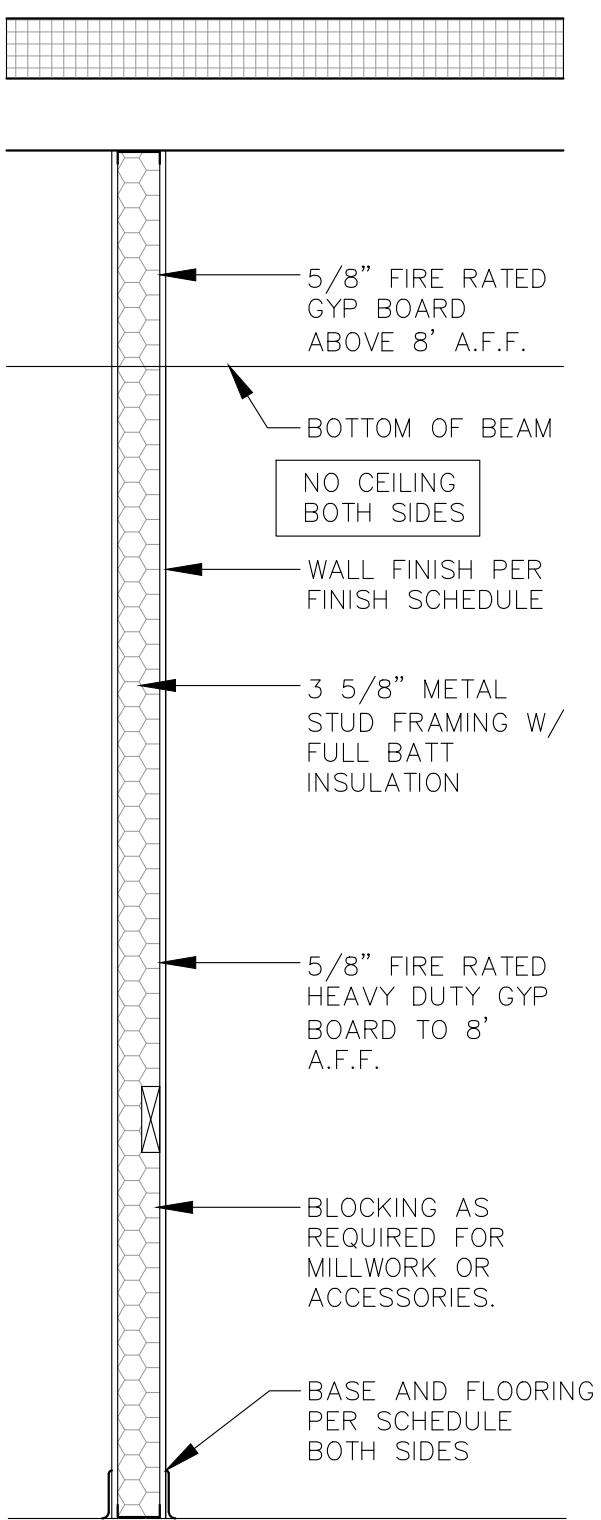
DATE:	8/14/25
REVISED:	

SHEET:
A6.1

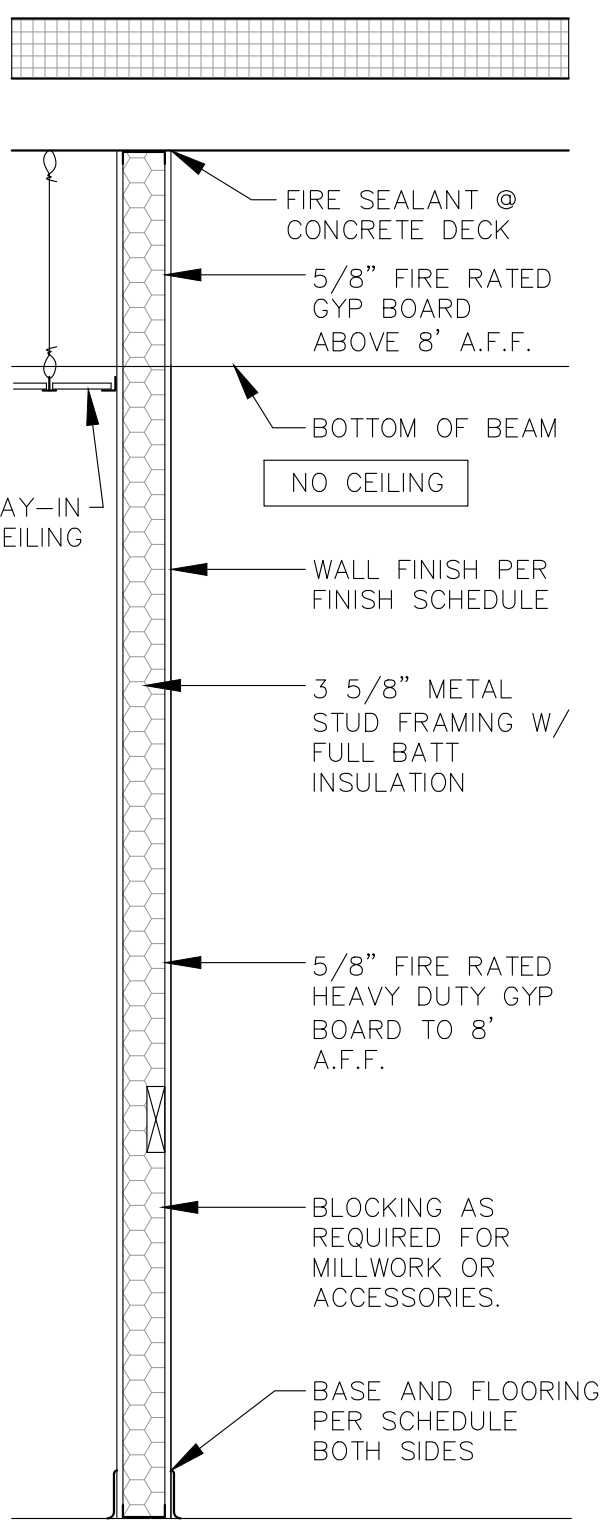


1HR RATED
UL#419

ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS

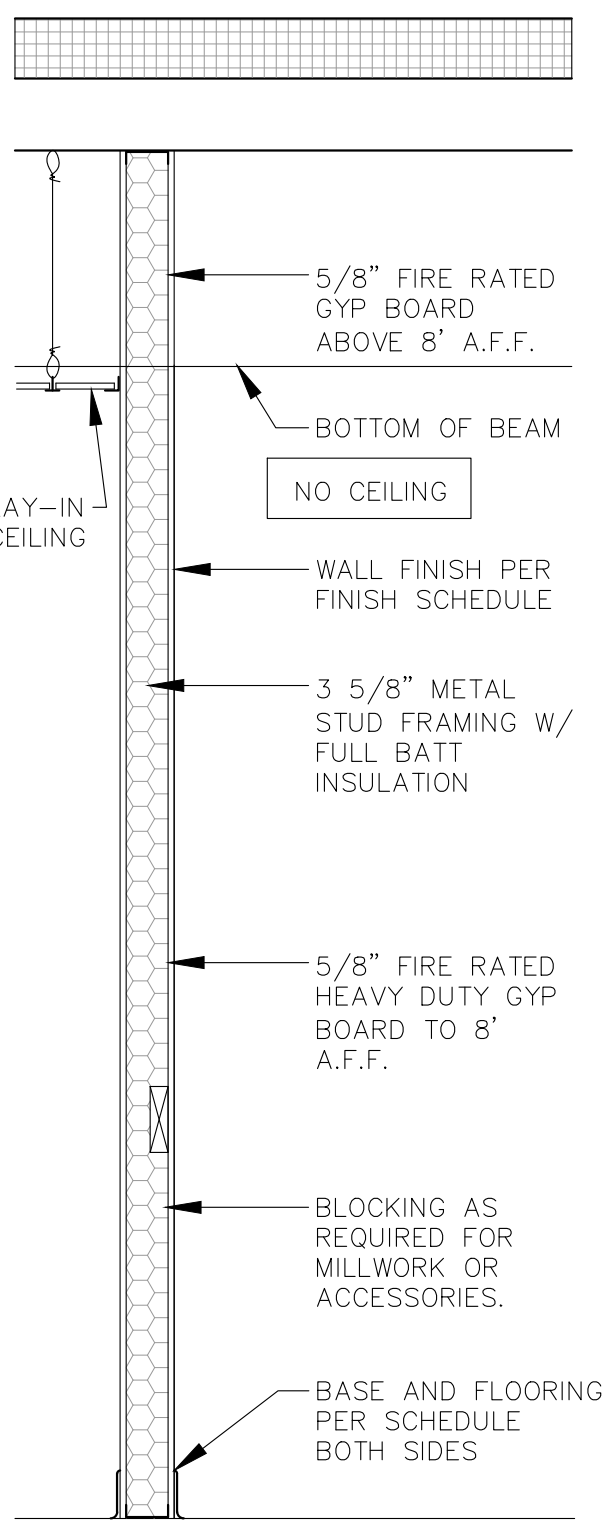


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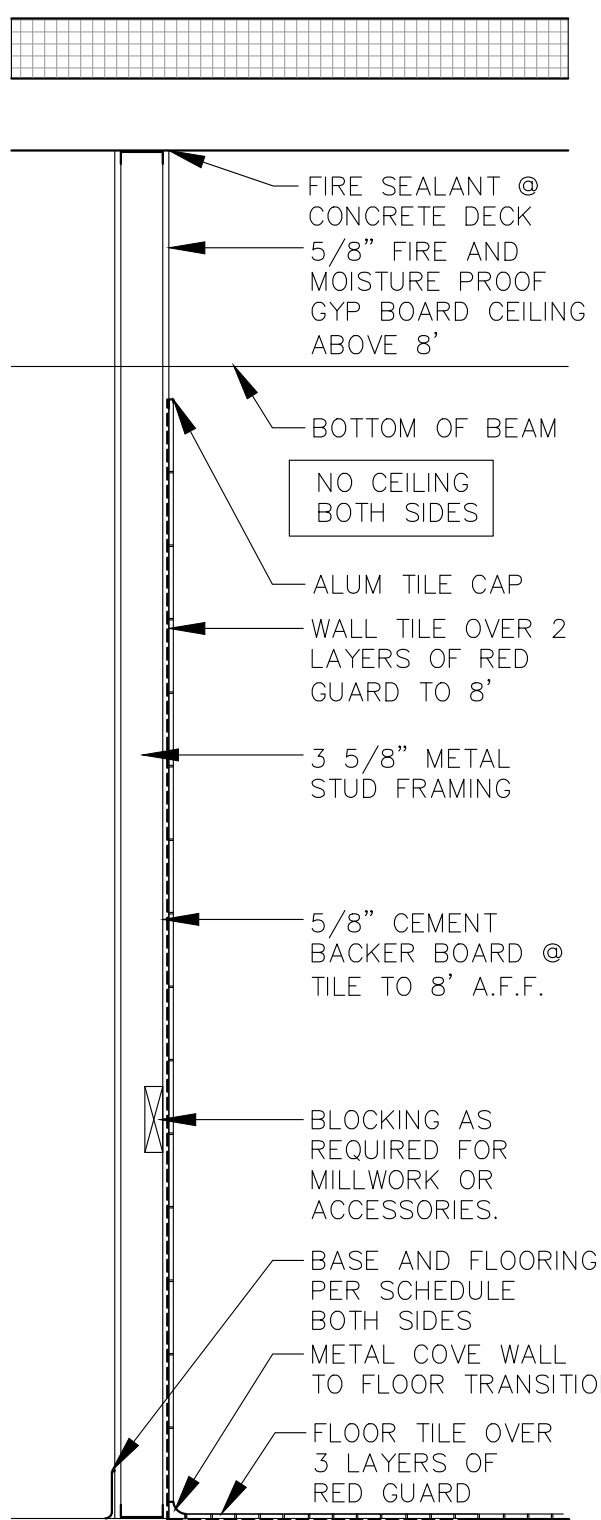


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ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS

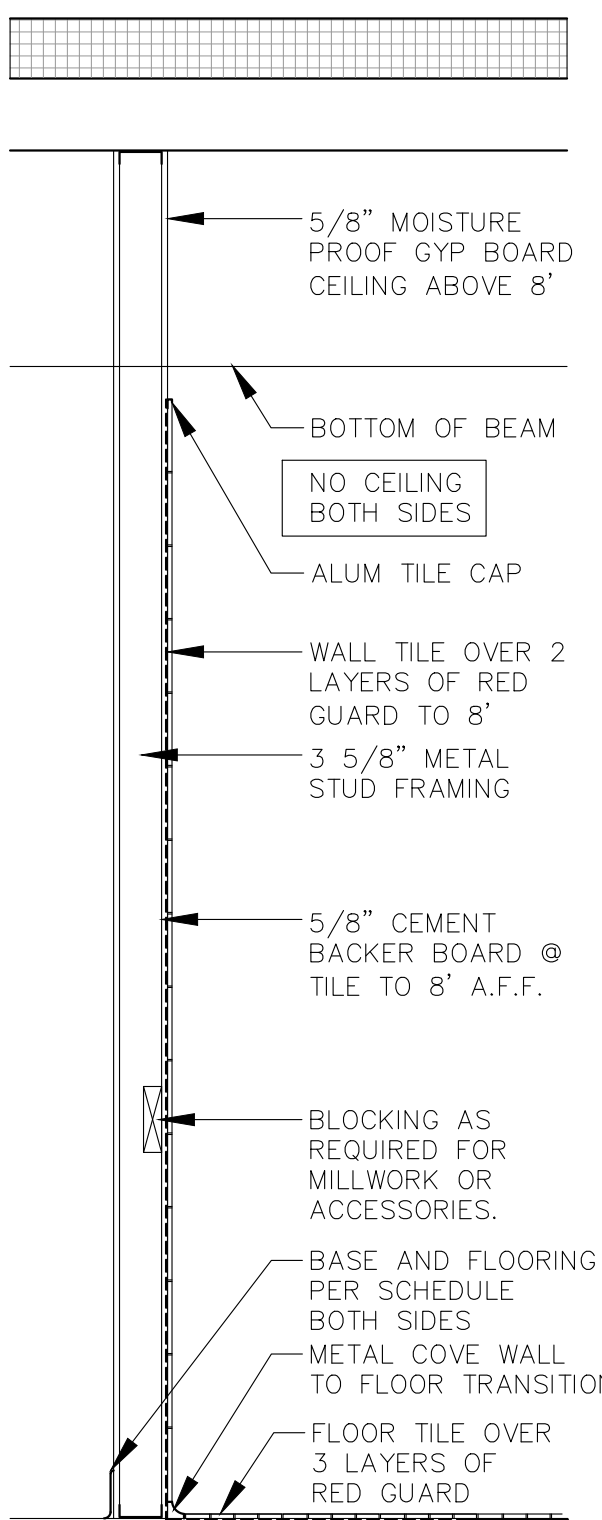


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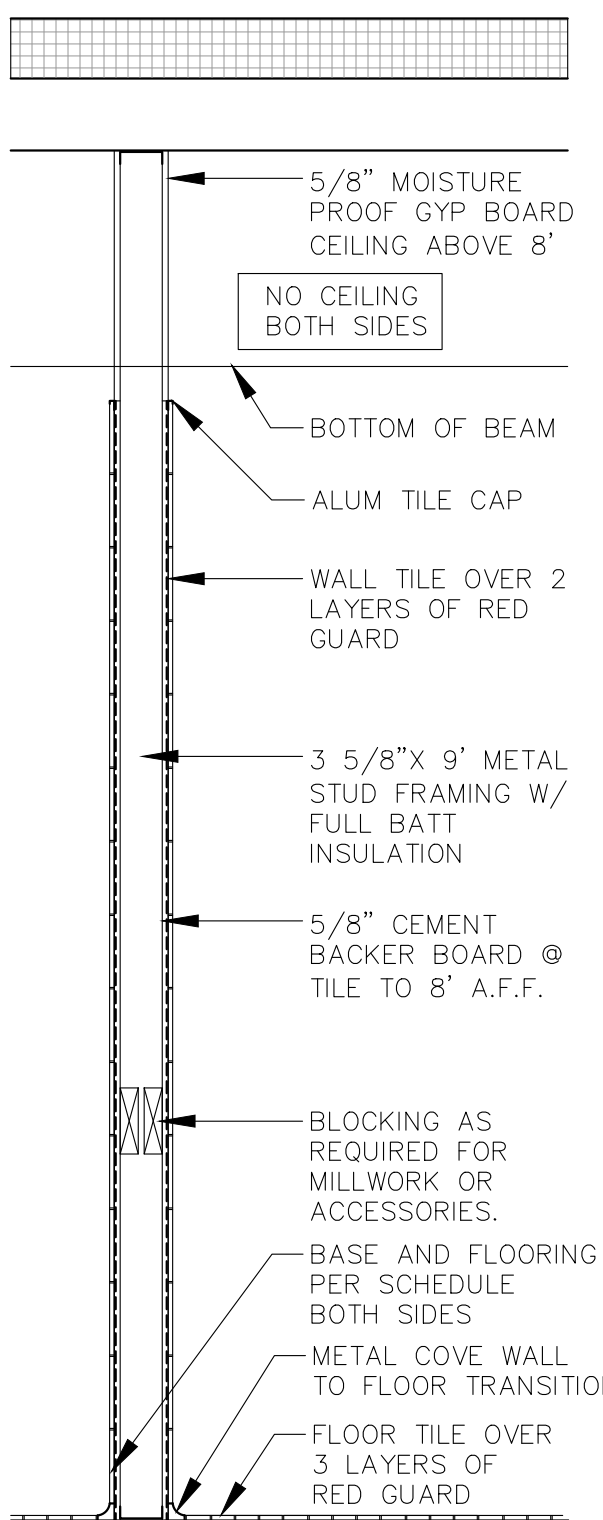


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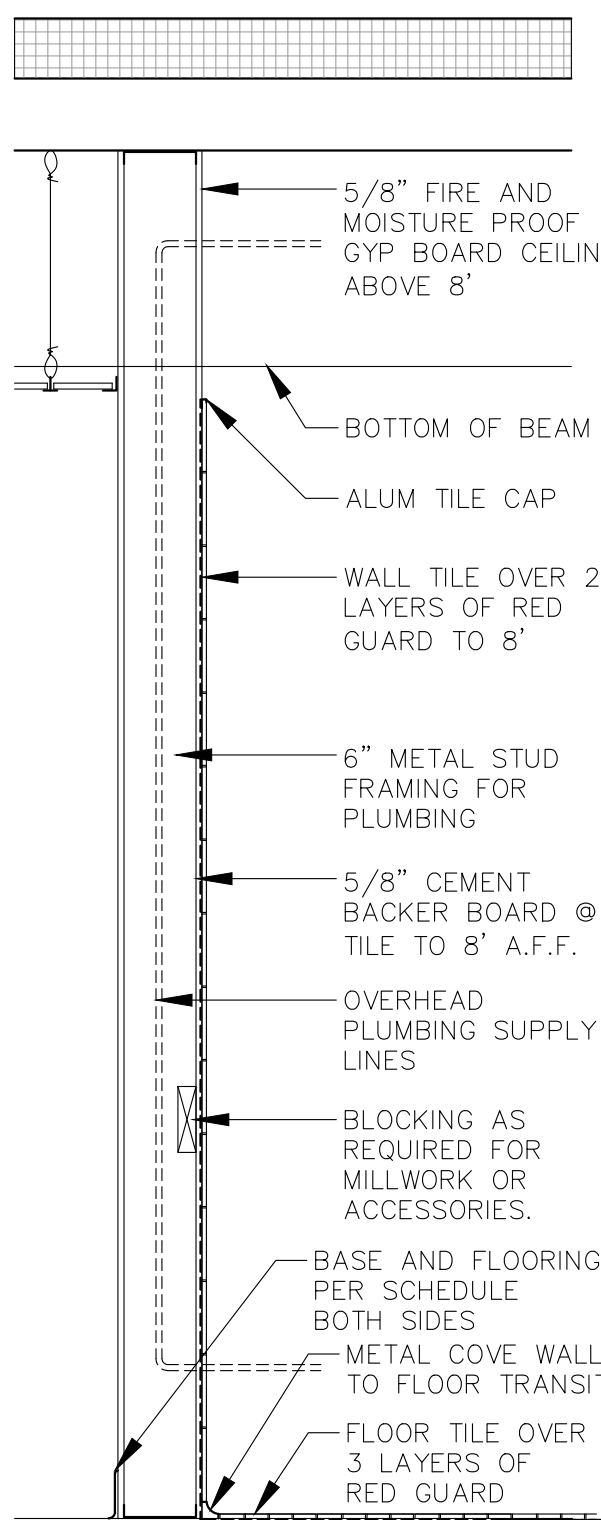
ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
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DAMPERS



1HR RATED
UL#419



1HR RATED
UL#419



1HR RATED
UL#419

ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS

1 WALL TYPE
SCALE: 3/4"=1'

1N WALL TYPE
SCALE: 3/4"=1'

2 WALL TYPE
SCALE: 3/4"=1'

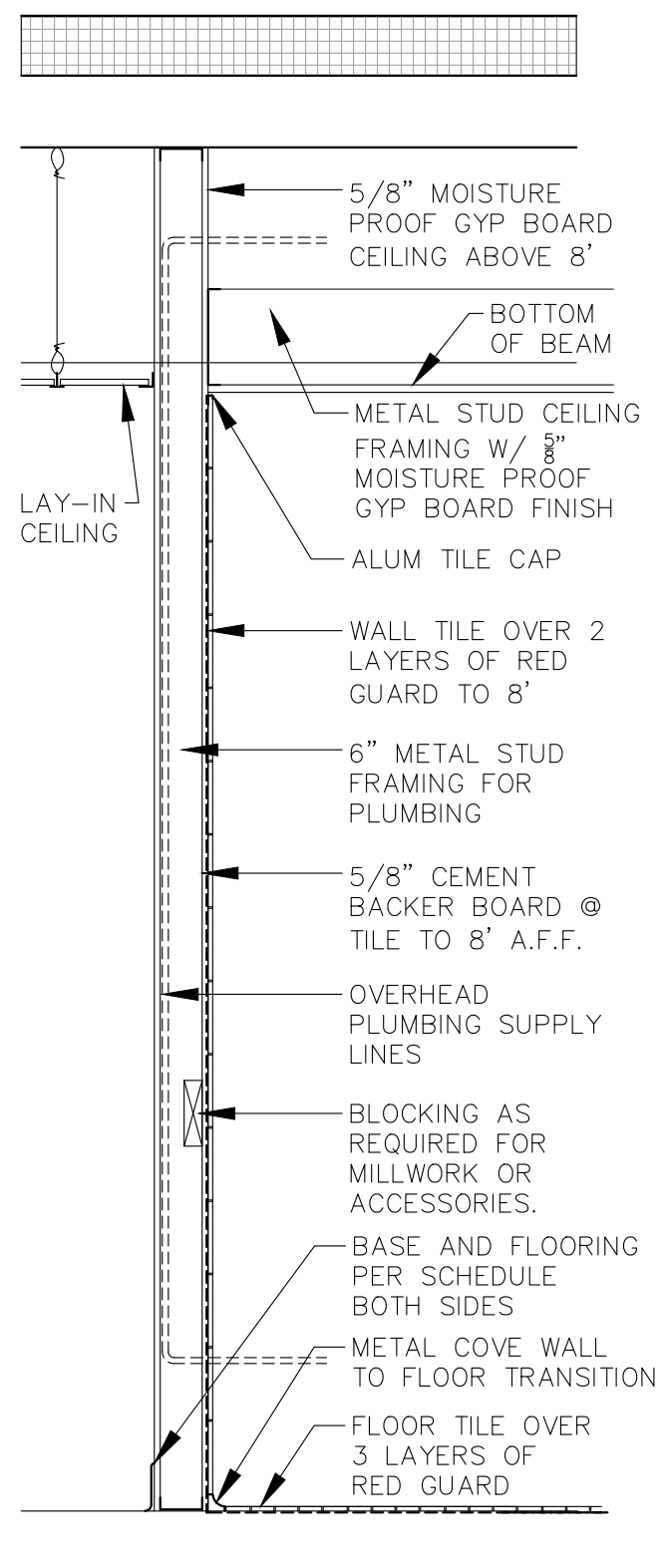
2N WALL TYPE
SCALE: 3/4"=1'

3 WALL TYPE
SCALE: 3/4"=1'

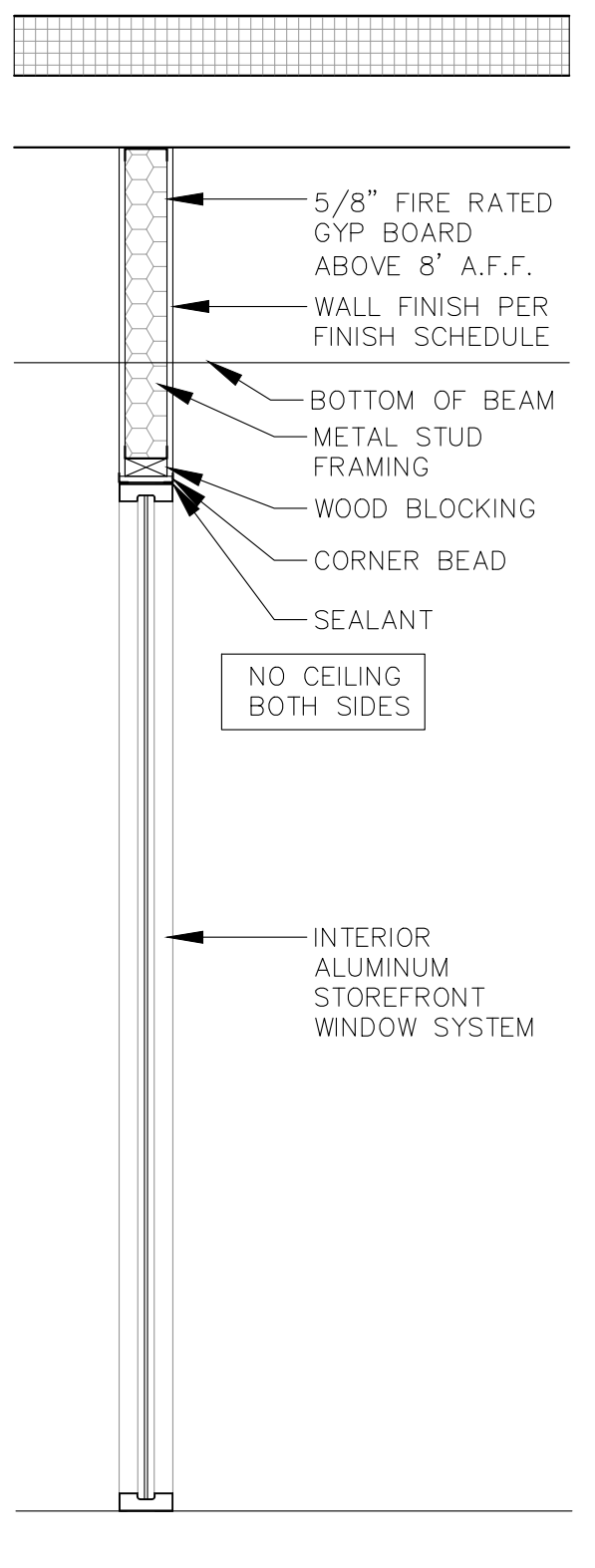
3N WALL TYPE
SCALE: 3/4"=1'

4 WALL TYPE
SCALE: 3/4"=1'

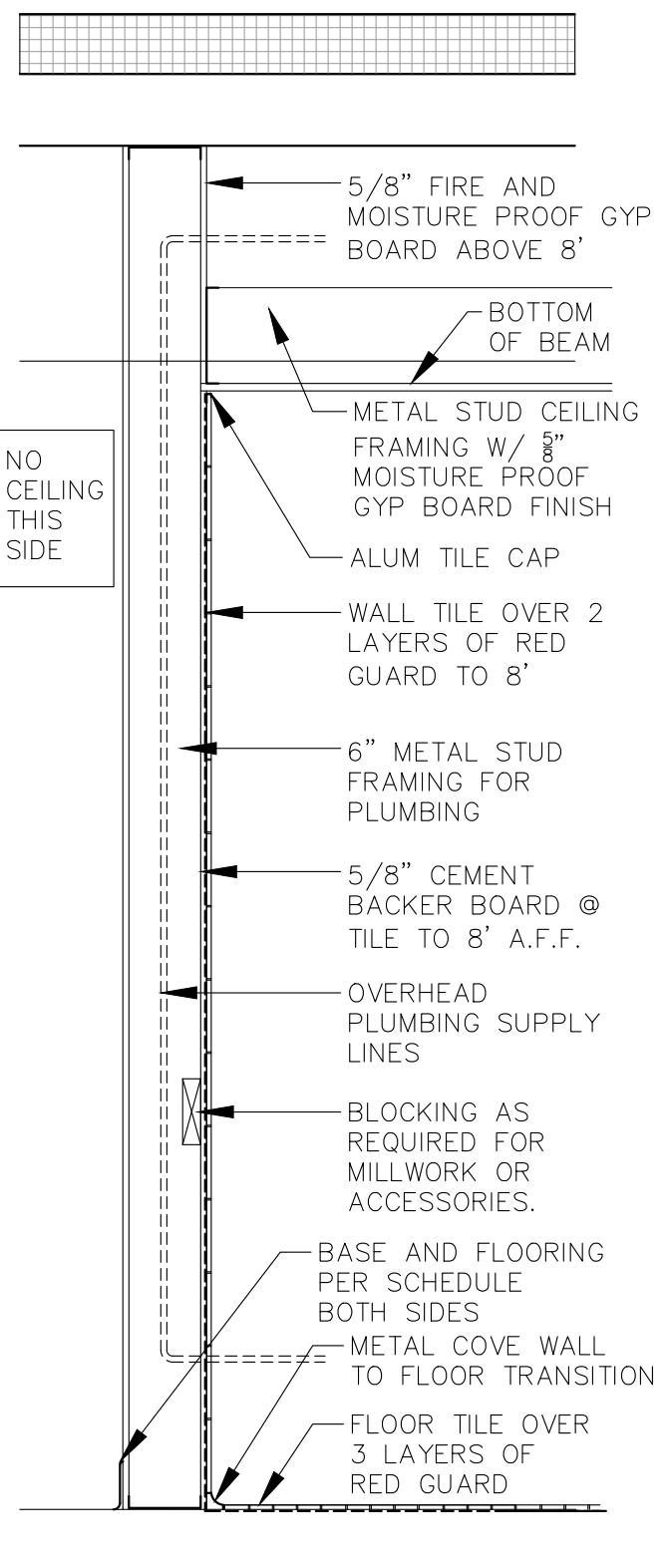
5 WALL TYPE
SCALE: 3/4"=1'



1HR RATED
UL#419

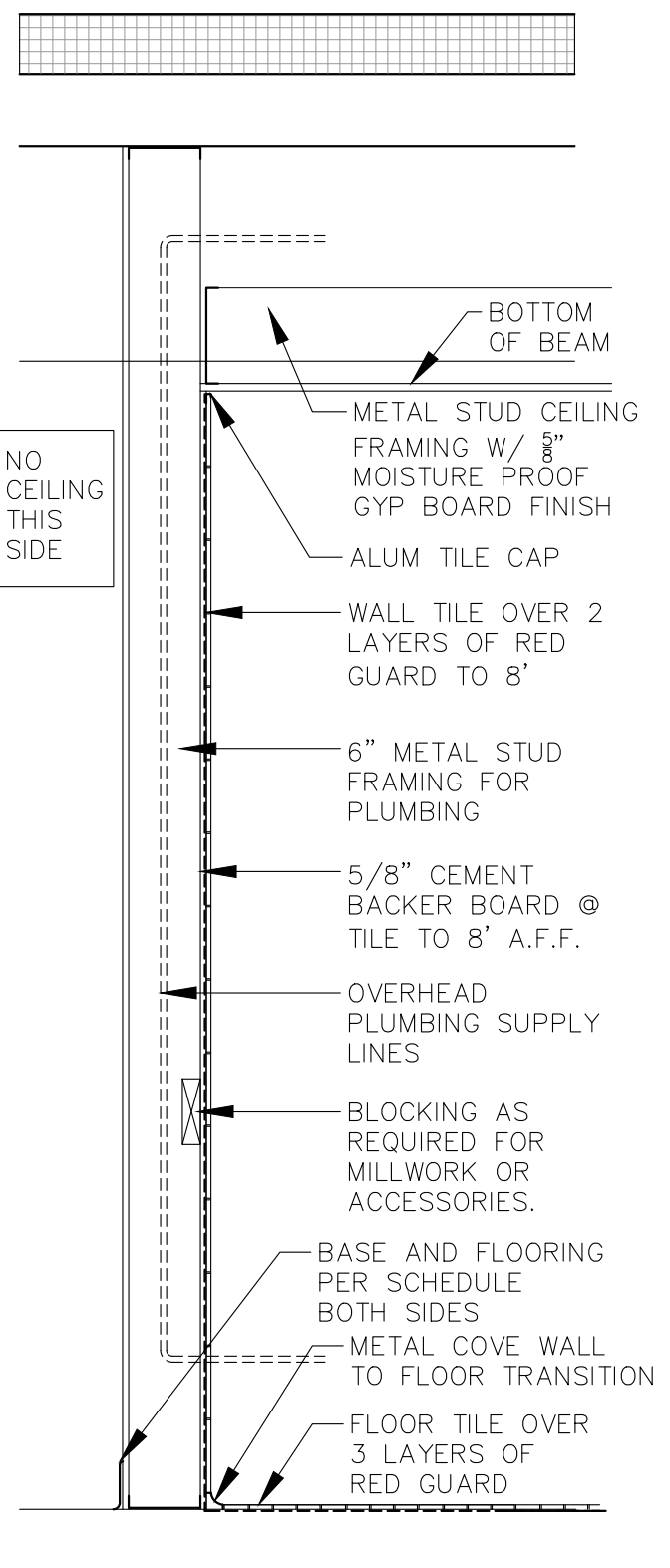


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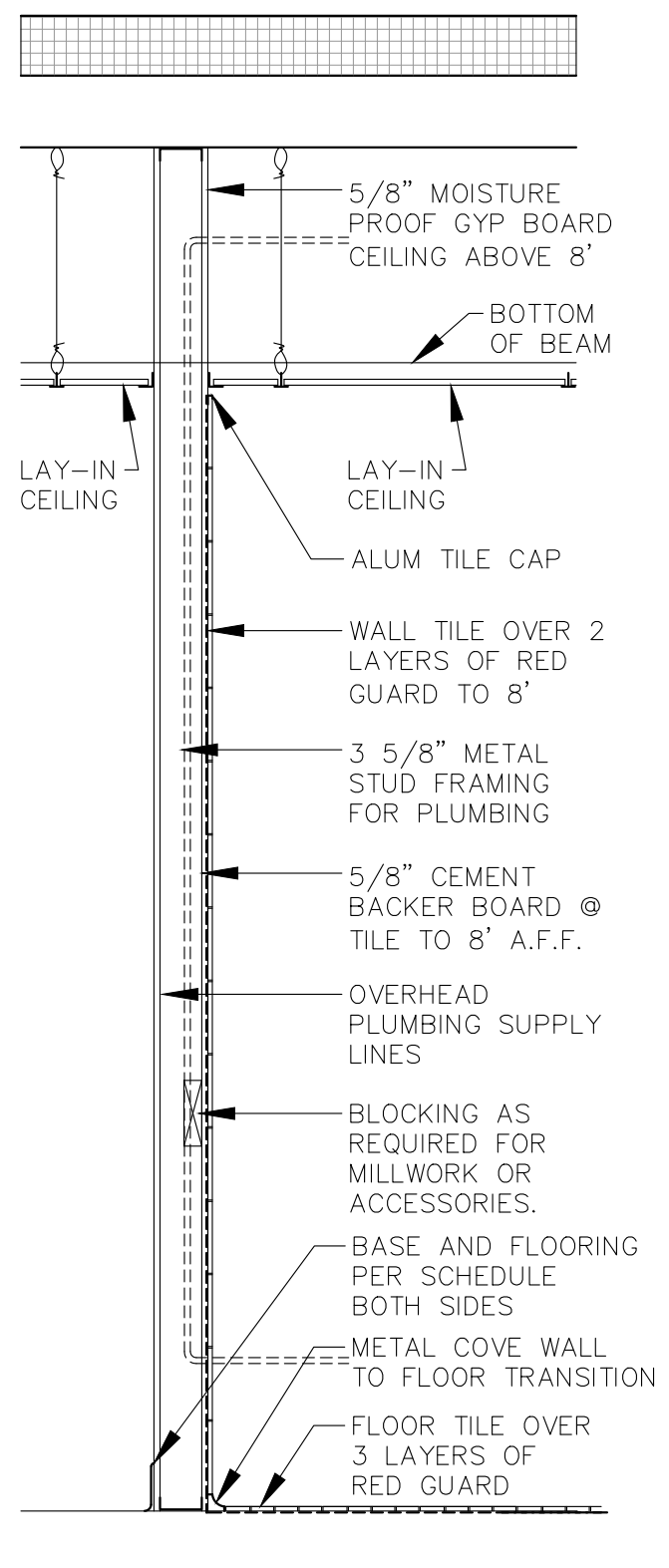


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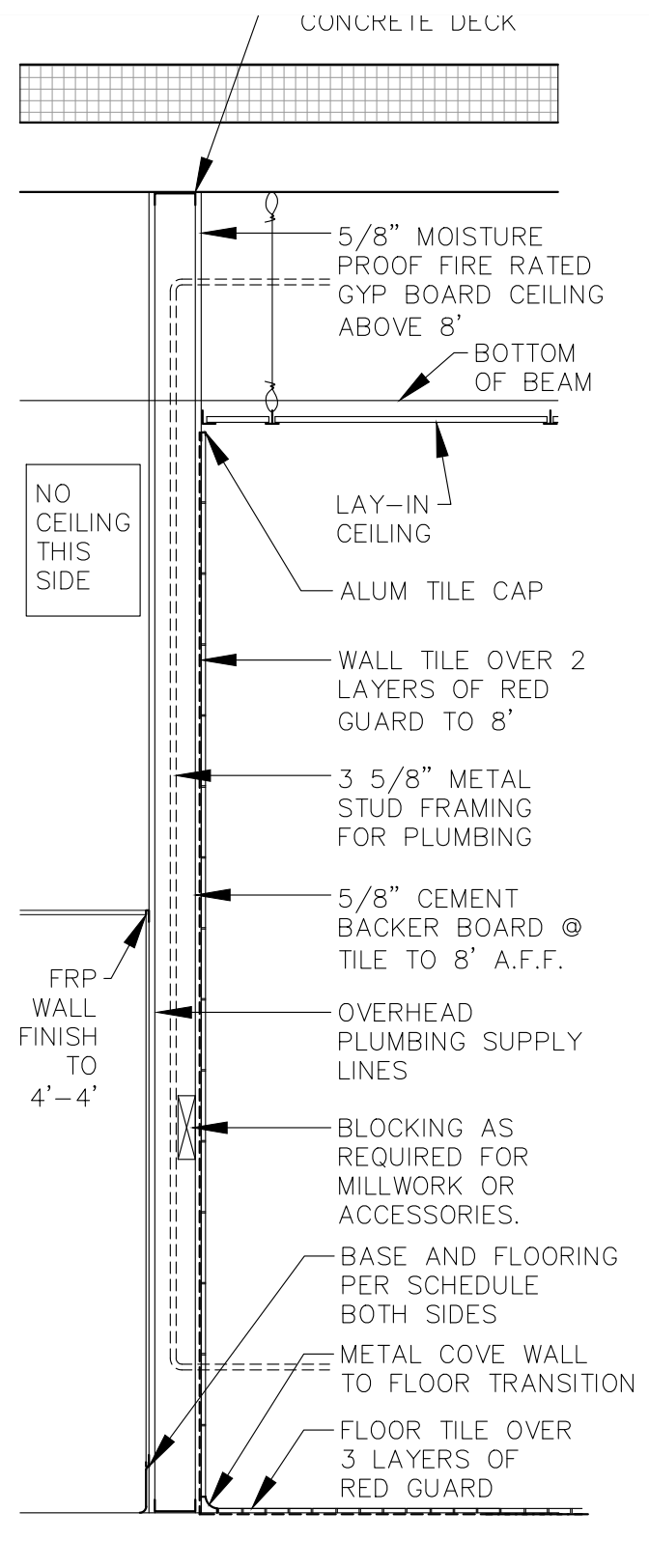
ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS



1HR RATED
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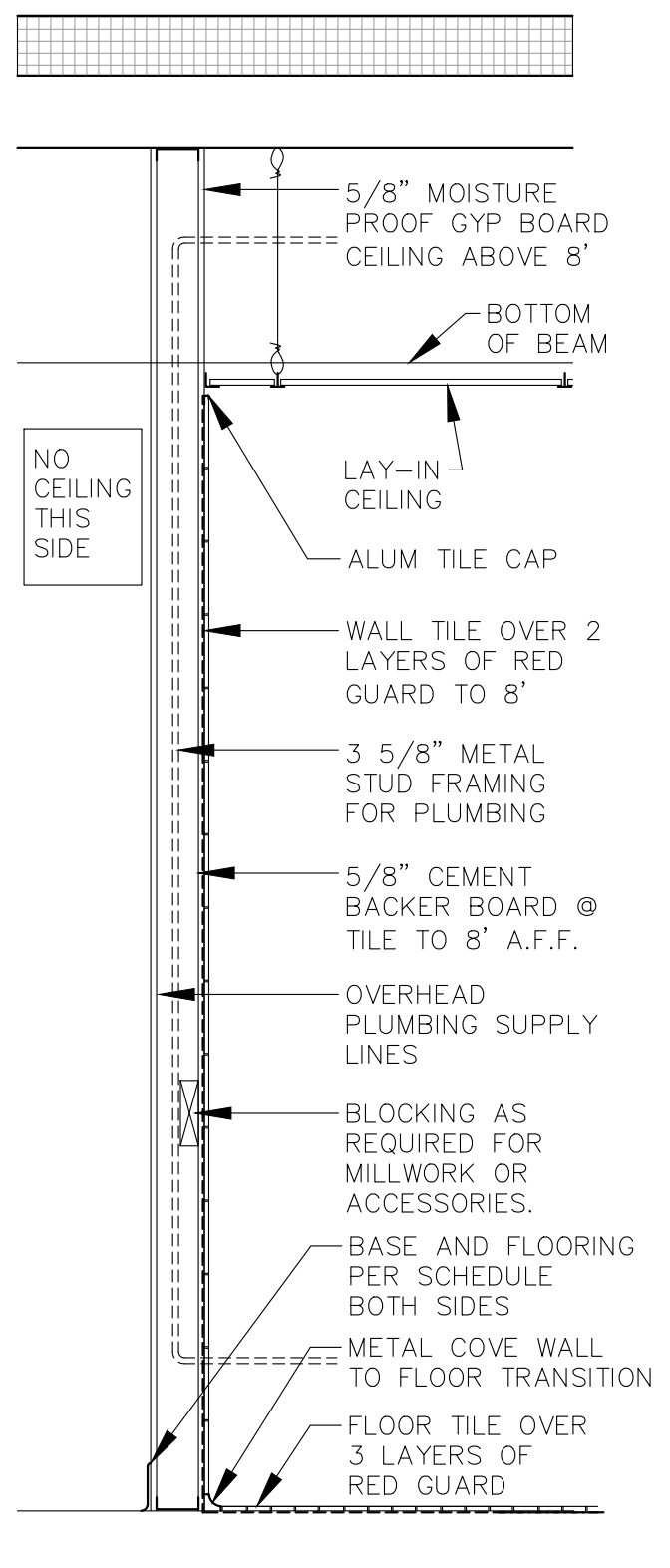


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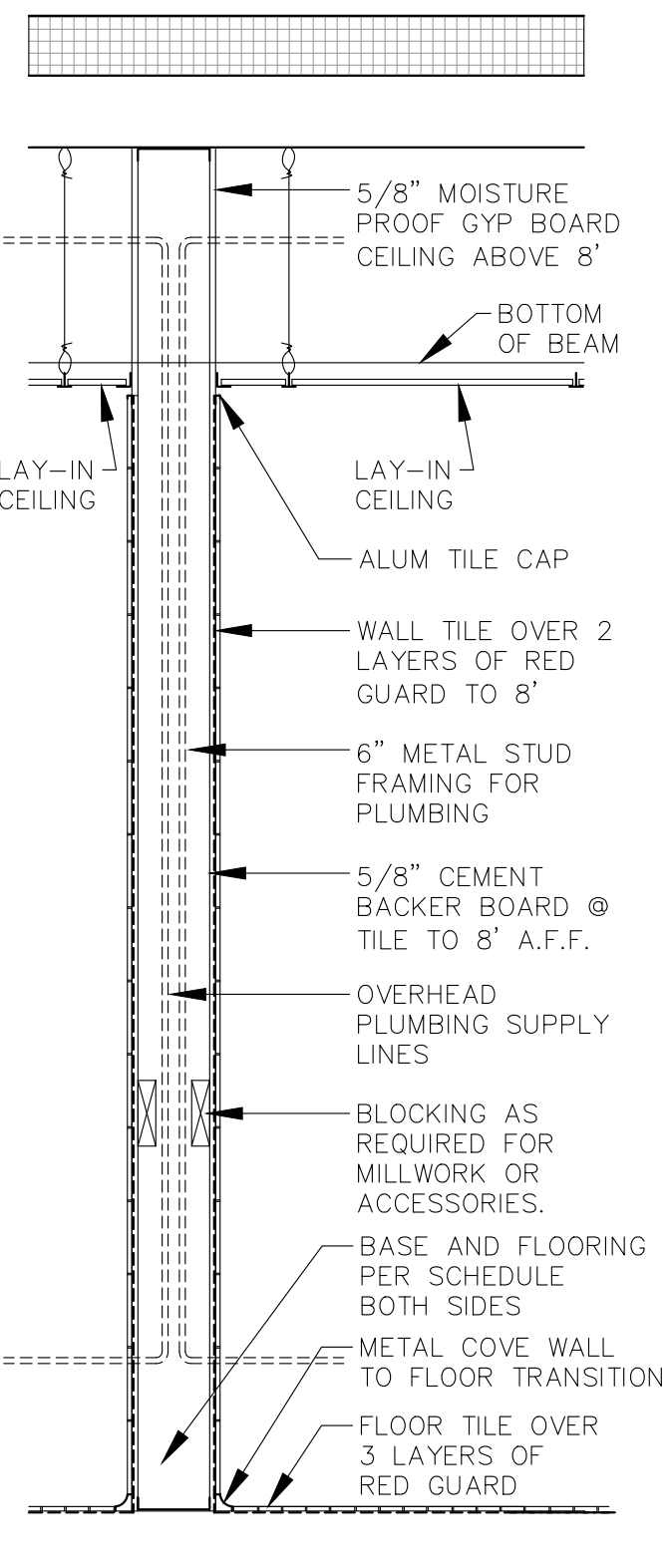


1HR RATED
UL#419

ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS



1HR RATED
UL#419



1HR RATED
UL#419

11 WALL TYPE
SCALE: 3/4"=1'

6 WALL TYPE
SCALE: 3/4"=1'

7 WALL TYPE
SCALE: 3/4"=1'

8 WALL TYPE
SCALE: 3/4"=1'

8N WALL TYPE
SCALE: 3/4"=1'

9 WALL TYPE
SCALE: 3/4"=1'

10 WALL TYPE
SCALE: 3/4"=1'

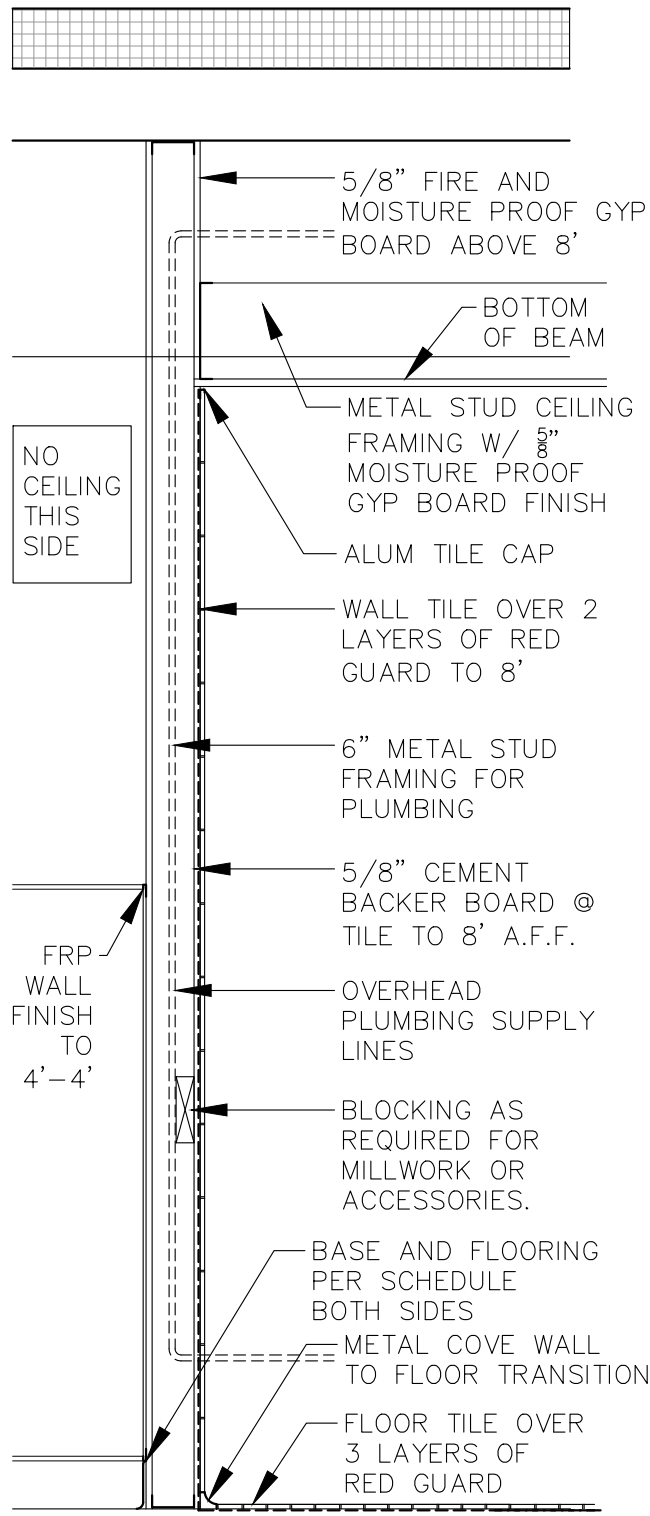
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2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



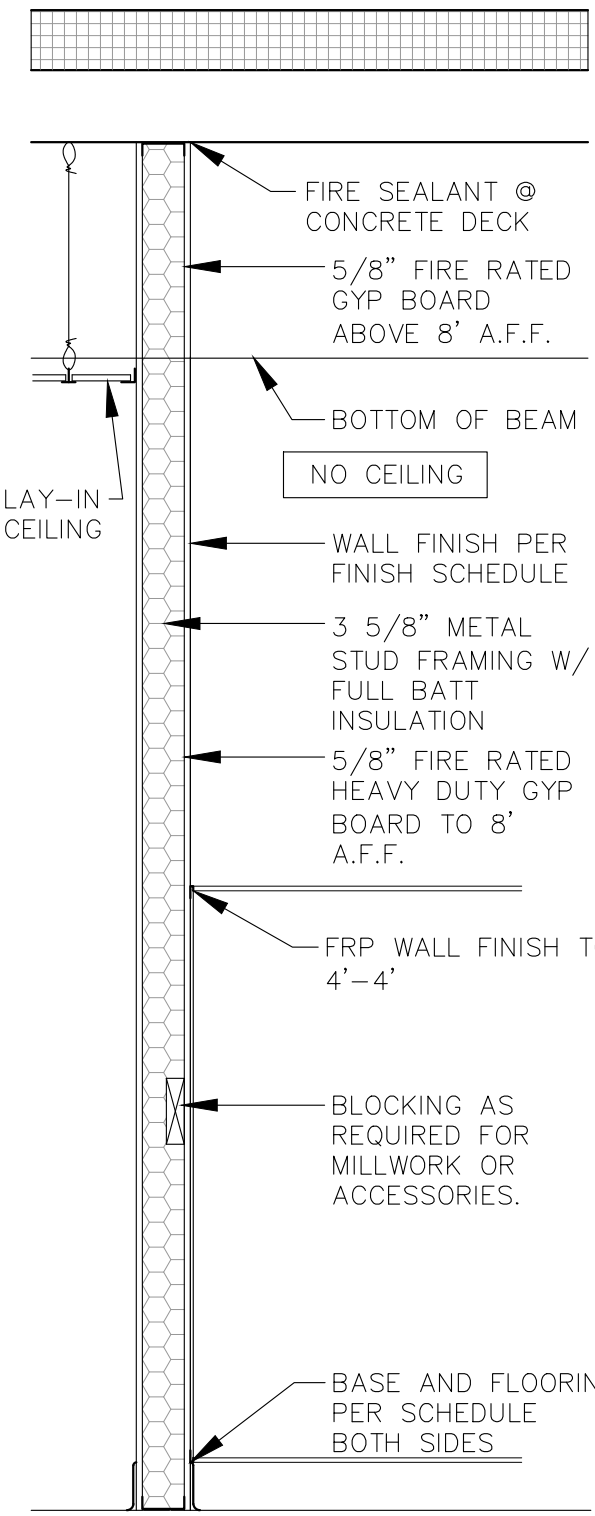
DATE:	8/14/25
REVISED:	

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A7.1



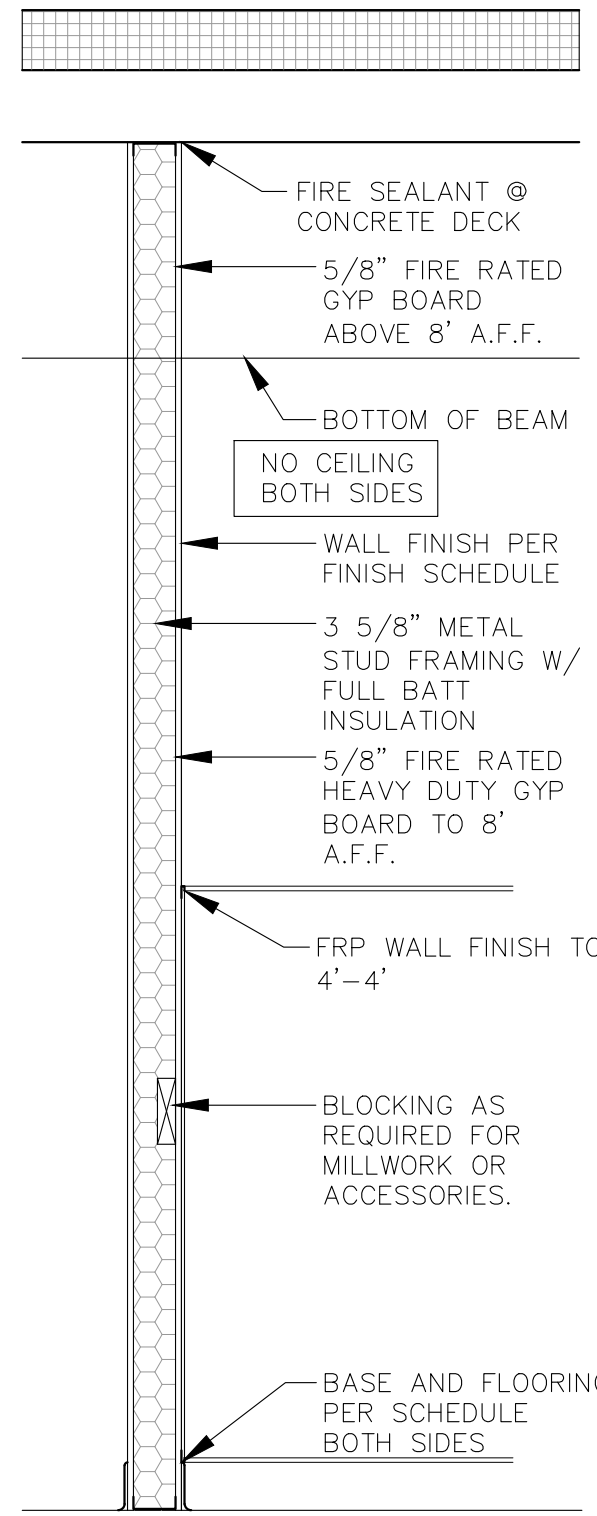
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UL#419

ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS



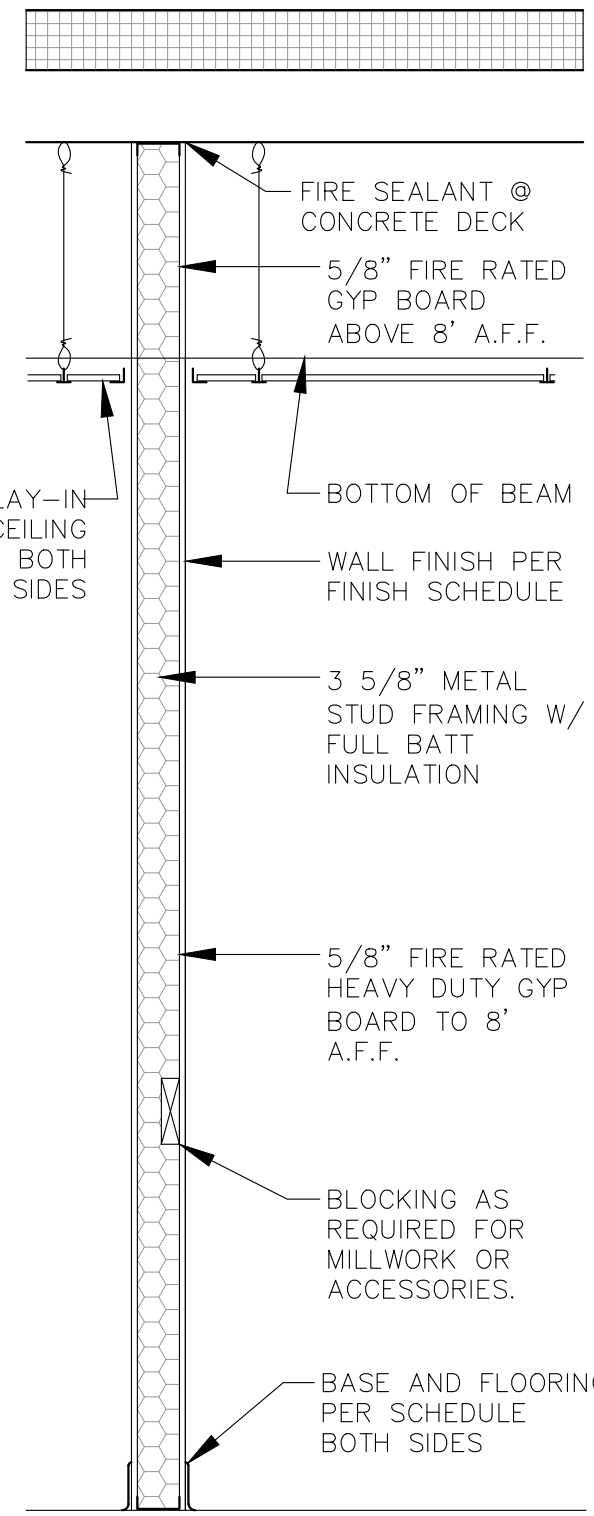
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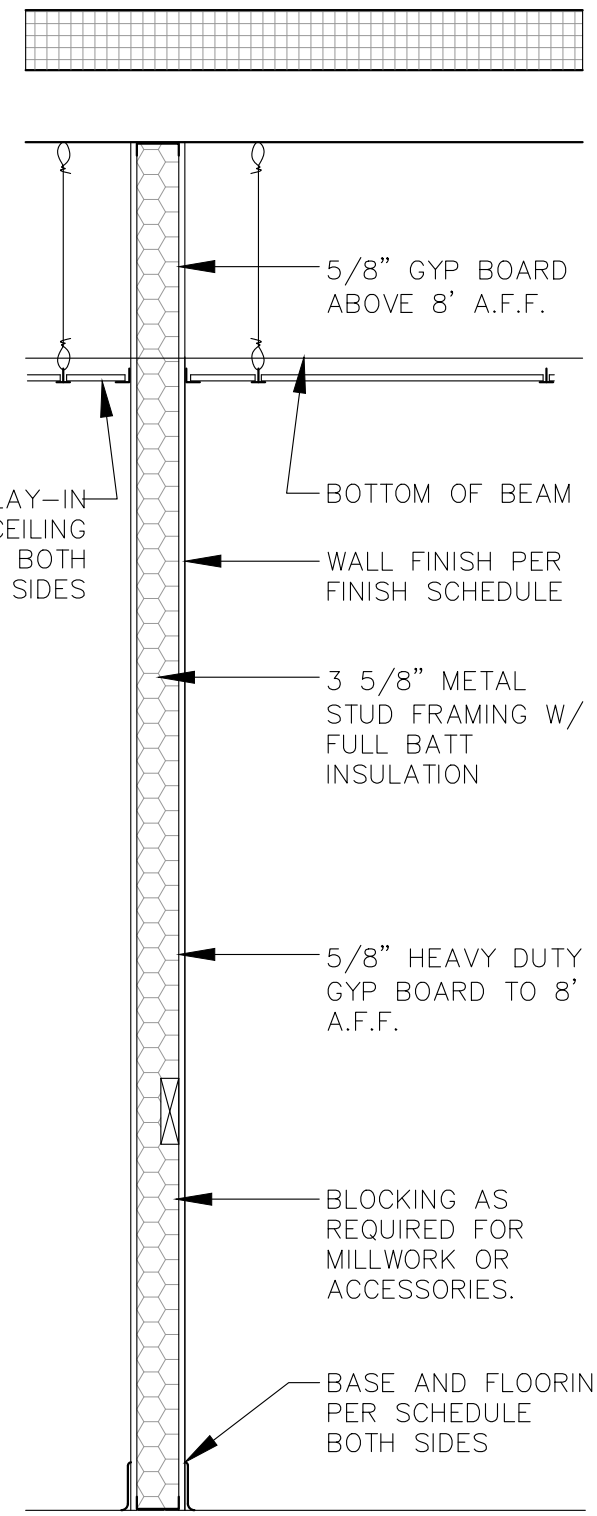
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DAMPERS



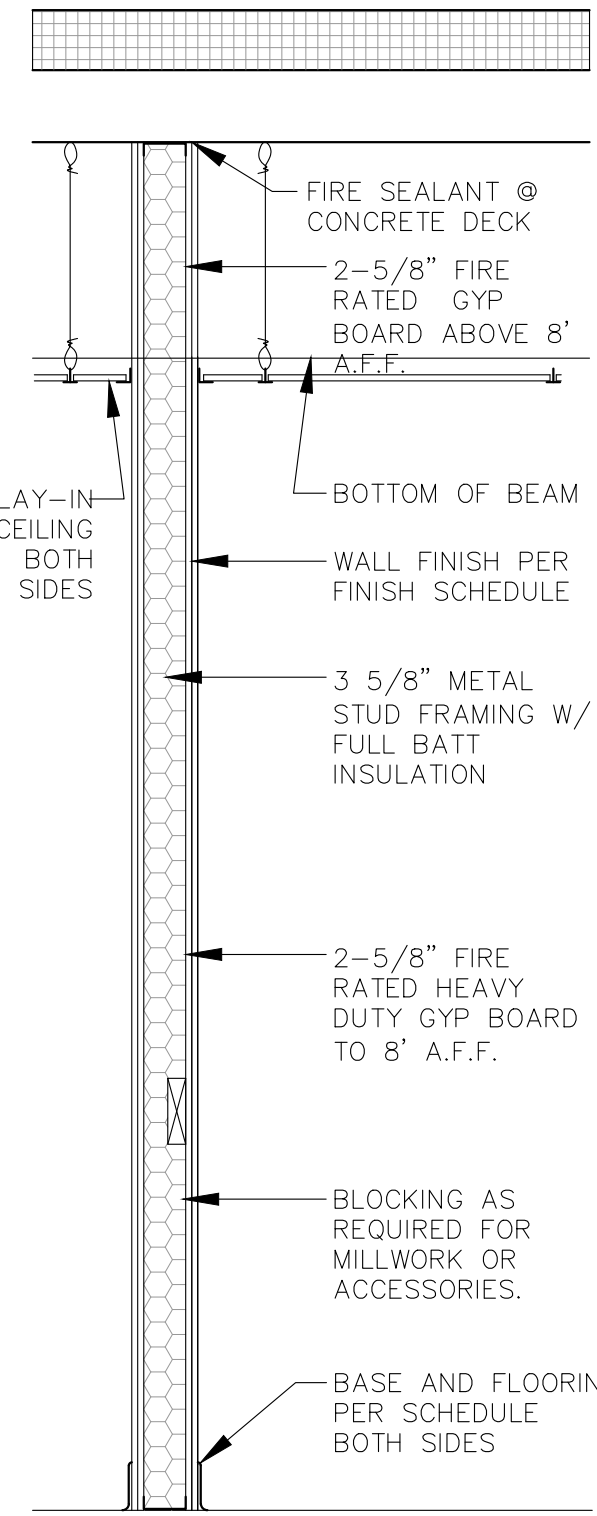
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OR FOAM. DUCTS
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DAMPERS



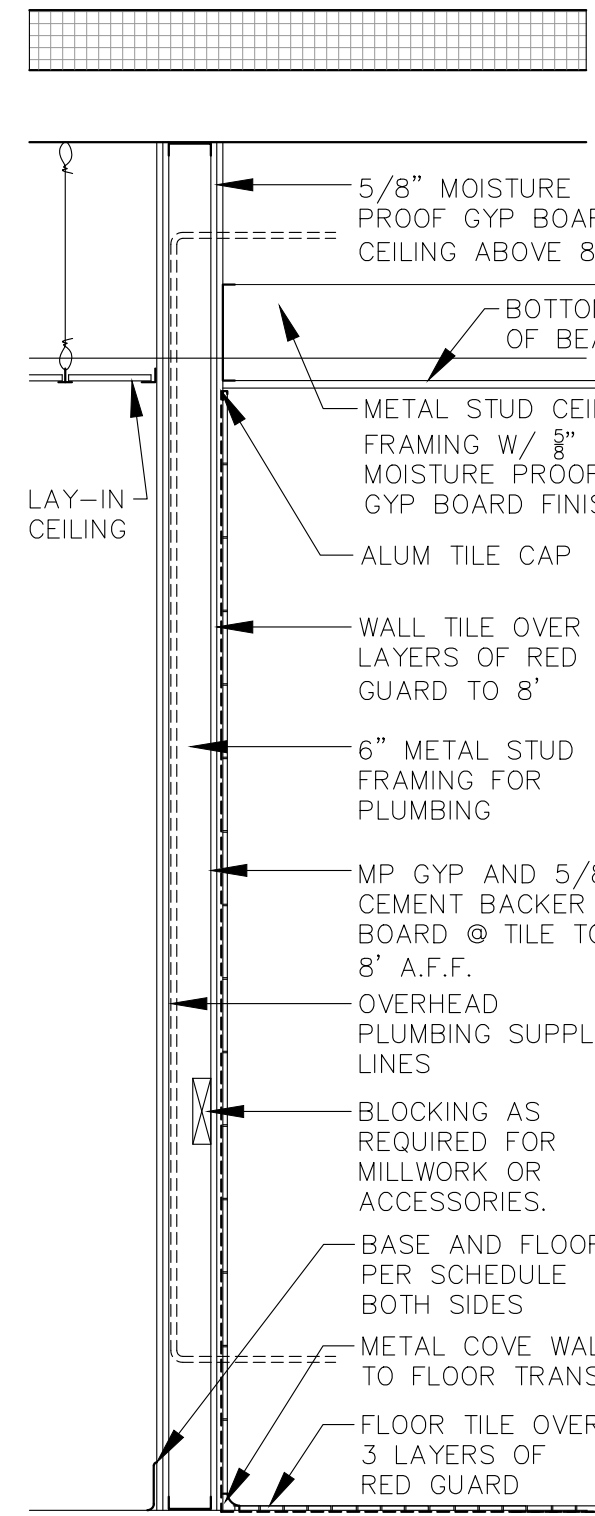
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WALL TYPE

SCALE: 3/4"=1'



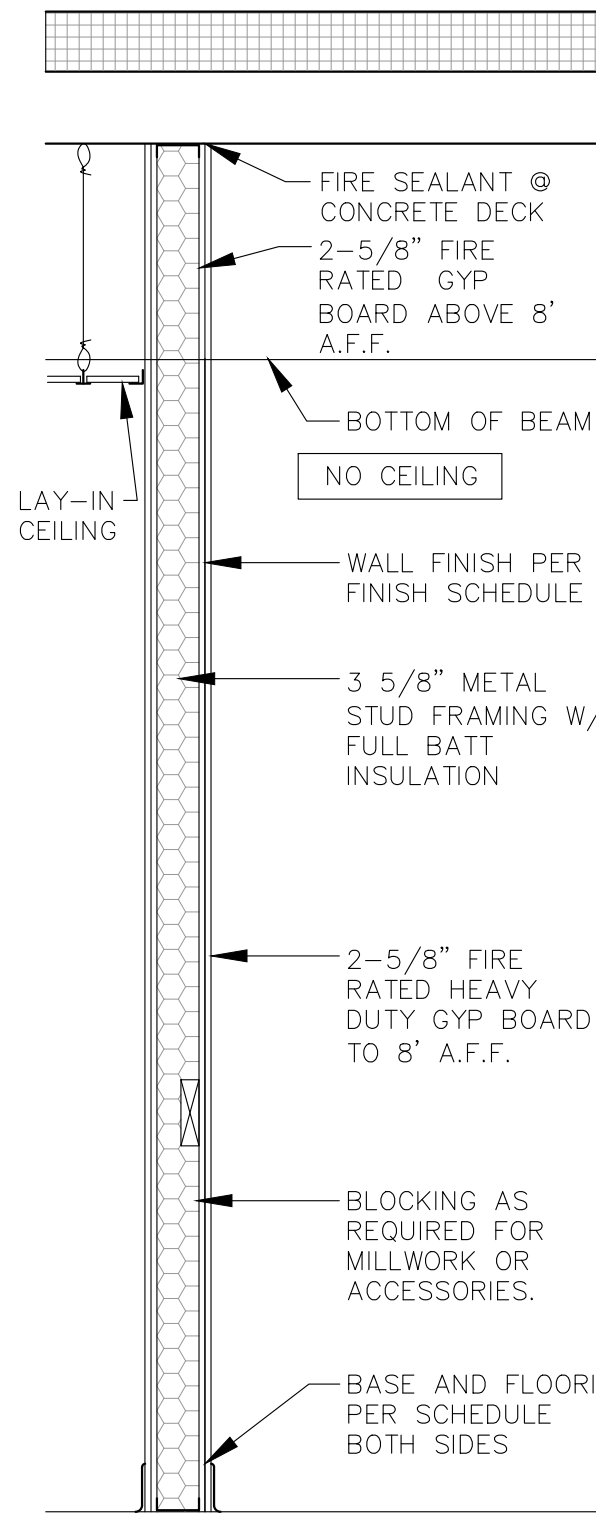
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UL#419

ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS



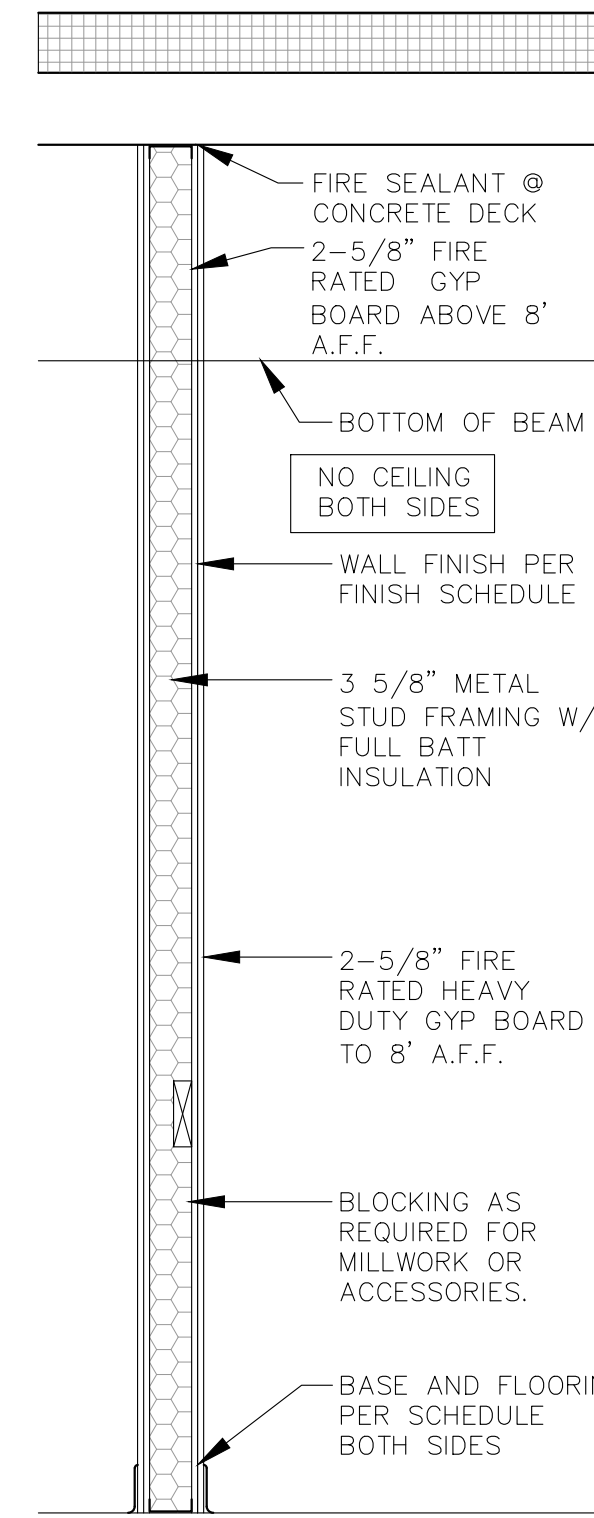
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UL#419

ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS



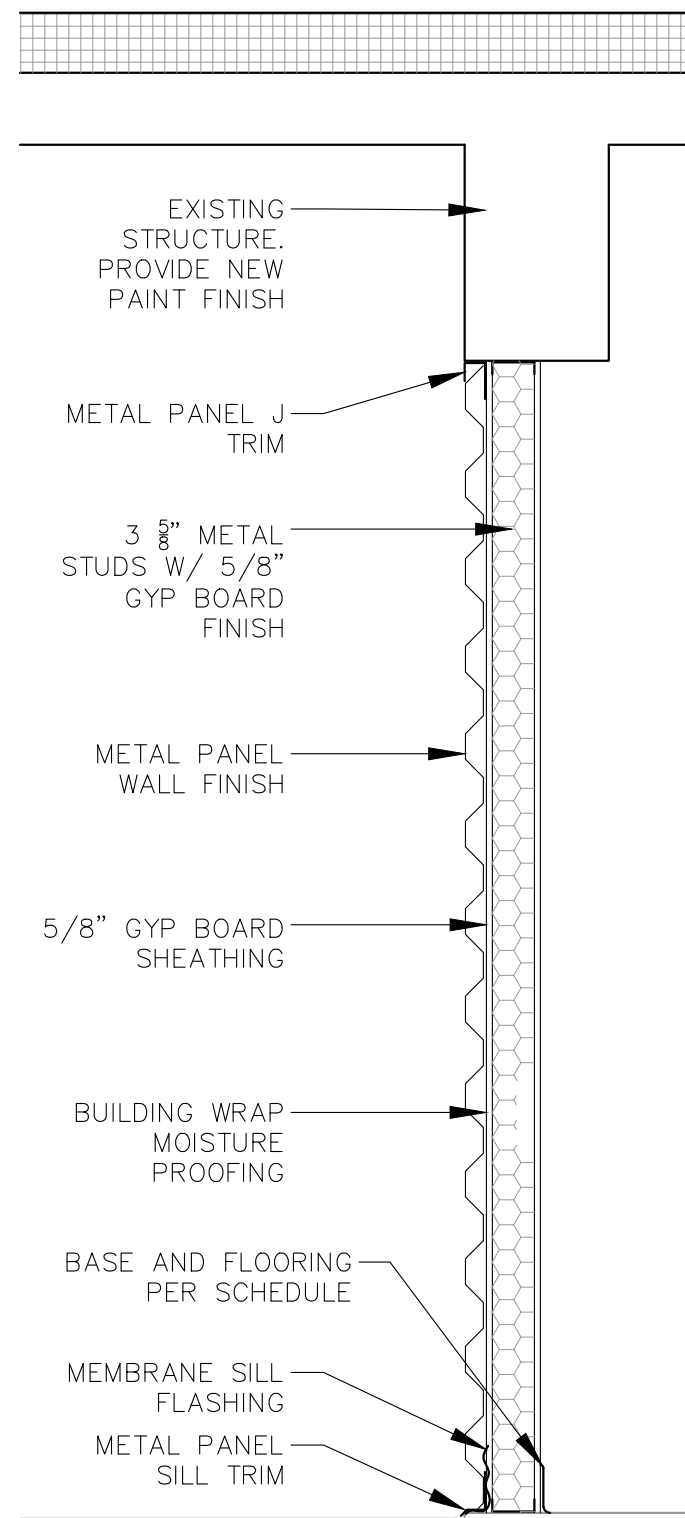
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ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
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SHALL HAVE FIRE
DAMPERS



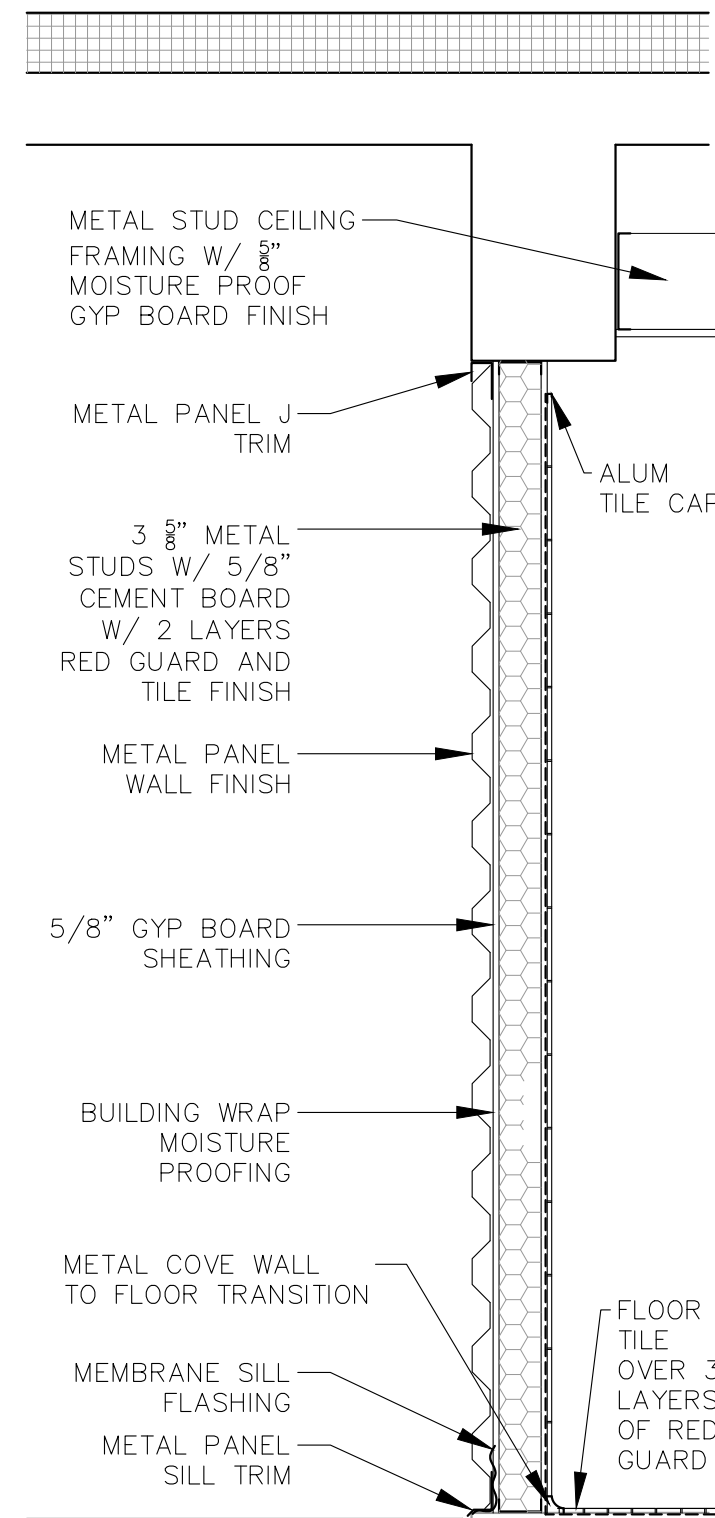
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ALL PENETRATIONS
SHALL BE
COMPLETELY SEALED
W/ RATED CAULK
OR FOAM. DUCTS
SHALL HAVE FIRE
DAMPERS



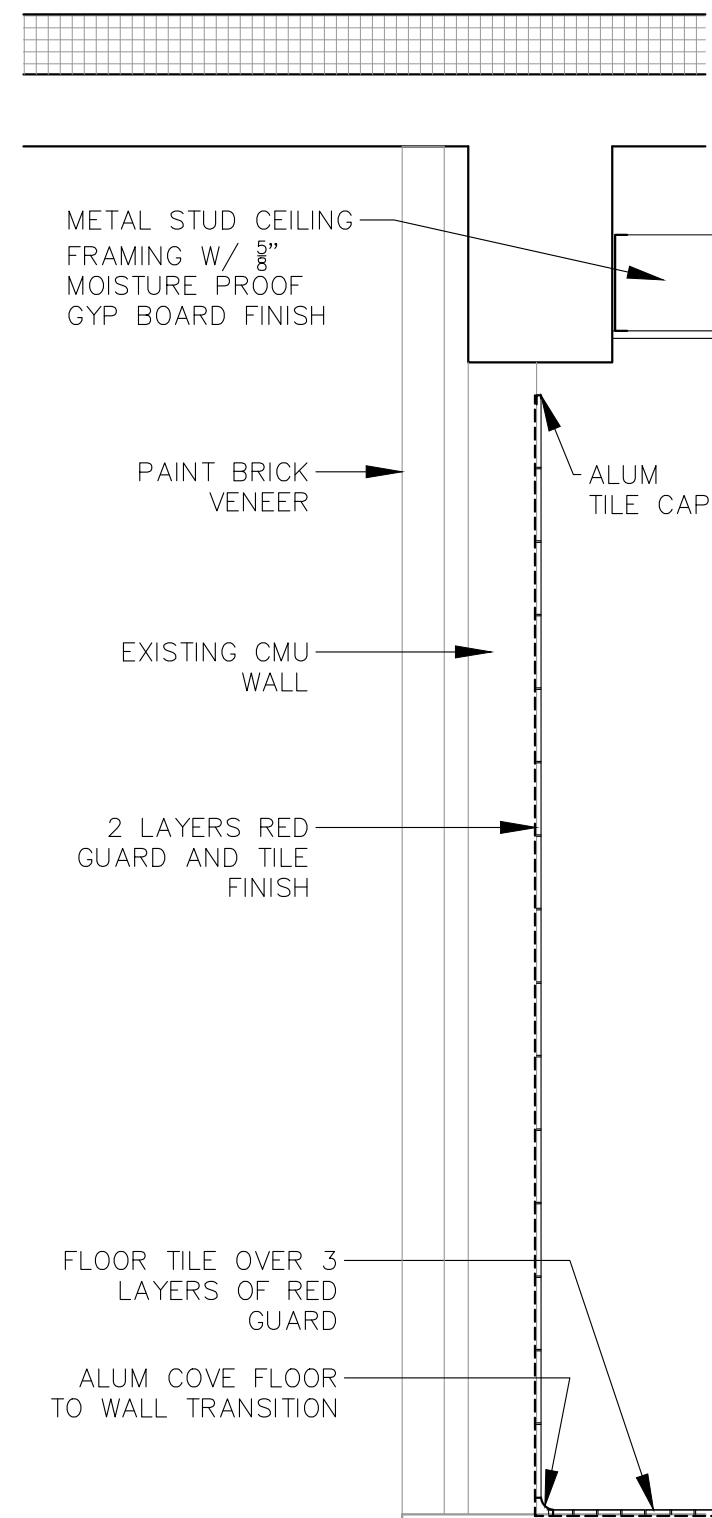
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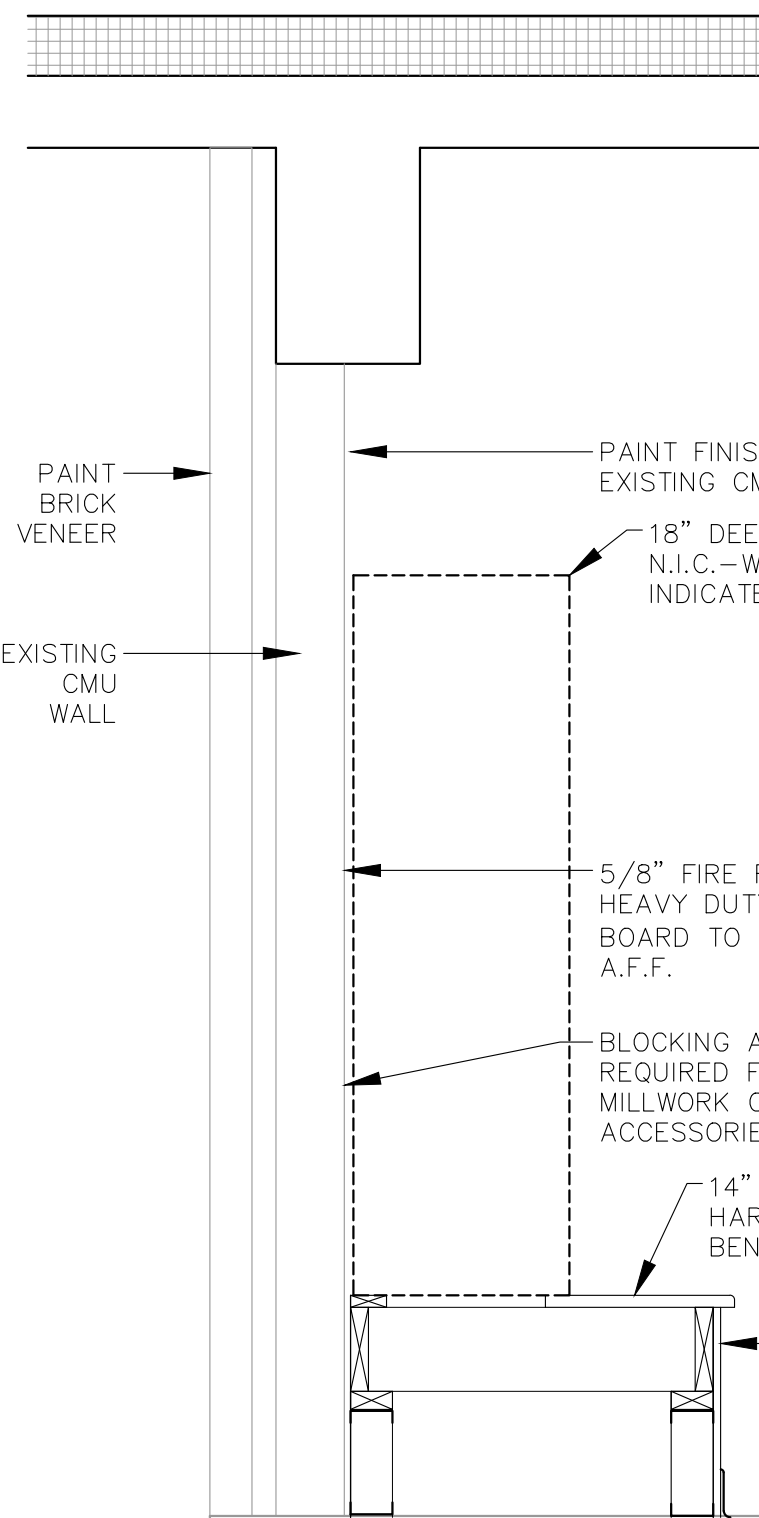
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SCALE: 3/4"=1'



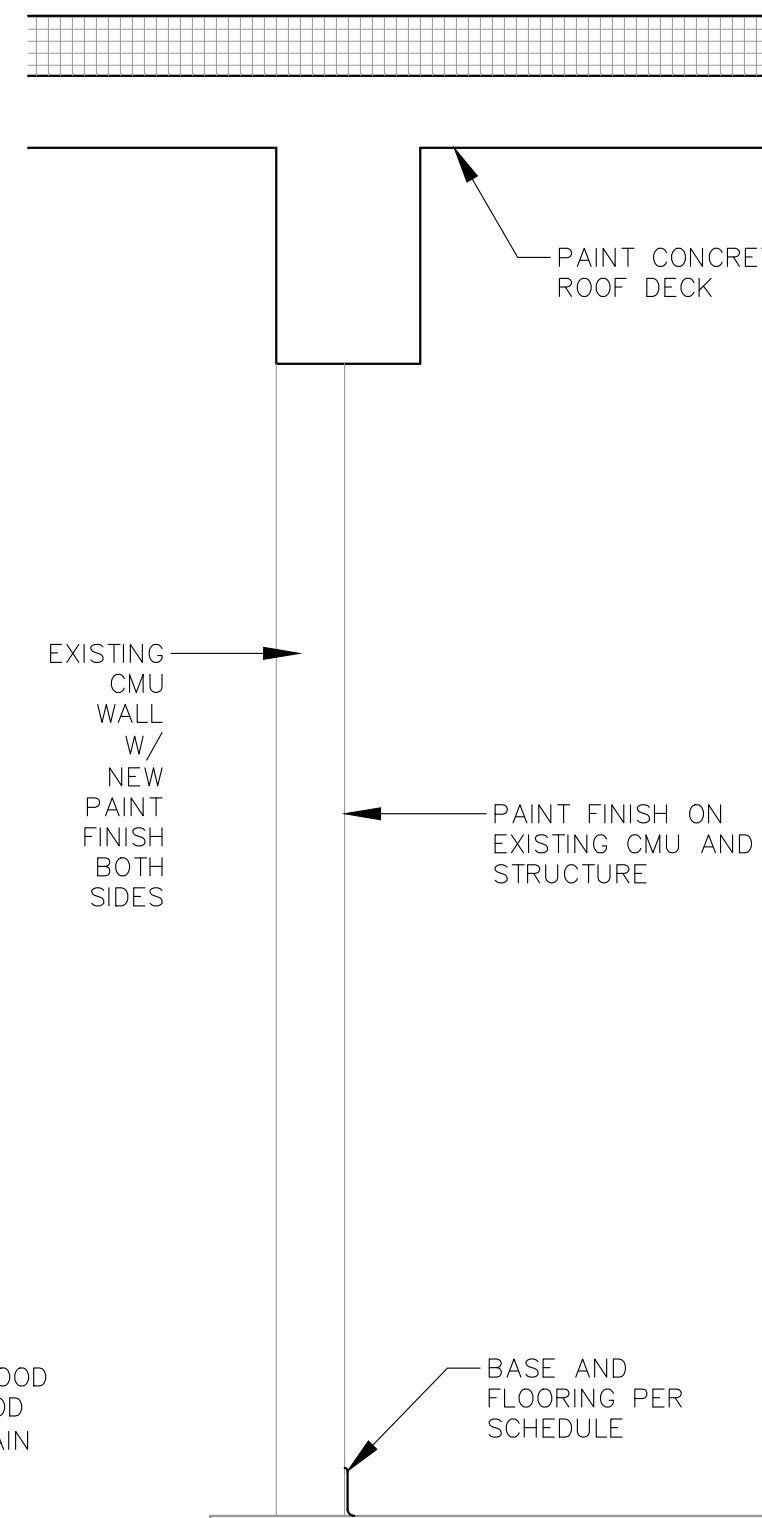
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SCALE: 3/4"=1'



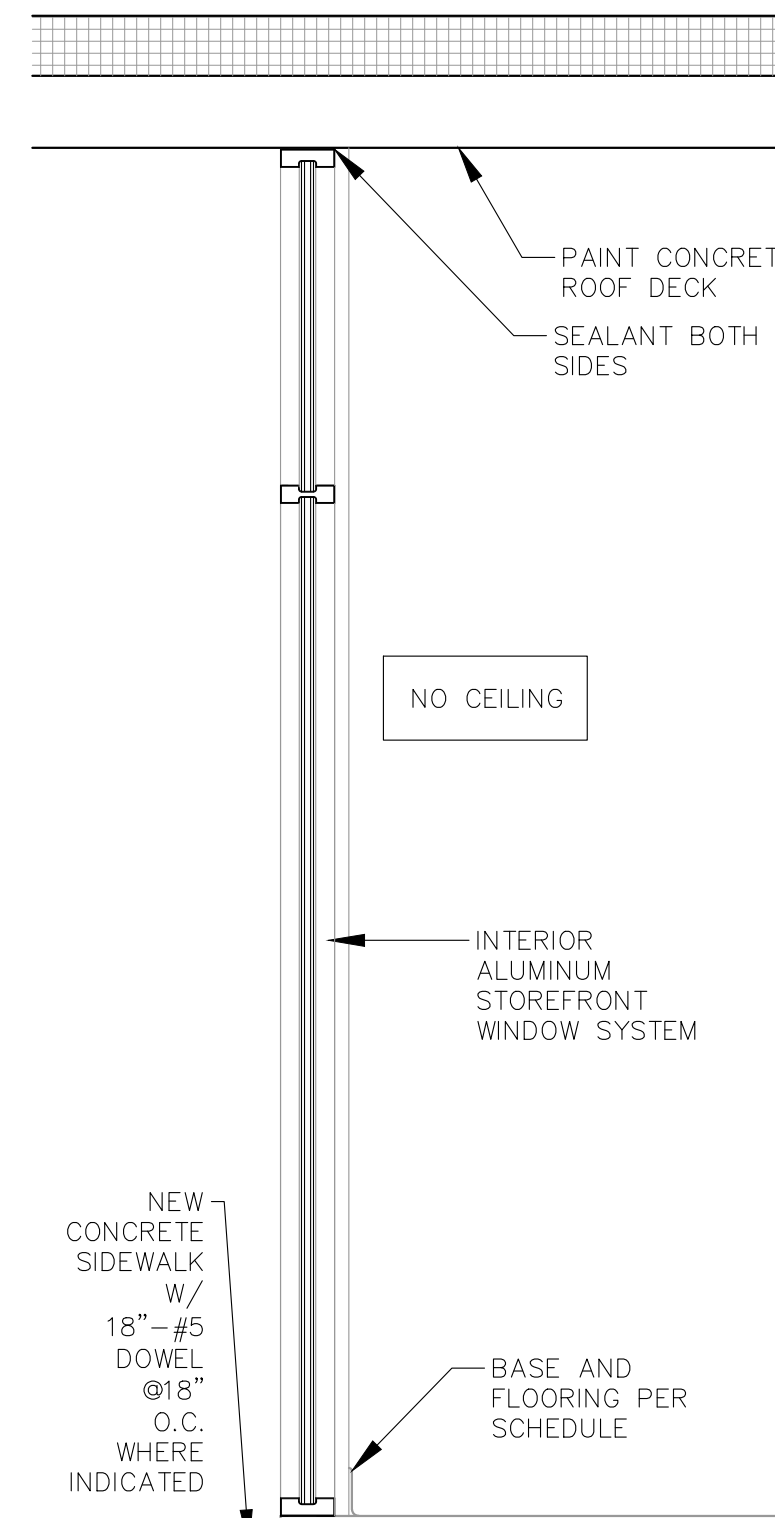
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WALL TYPE

SCALE: 3/4"=1'



24
WALL TYPE

SCALE: 3/4"=1'



25
WALL TYPE

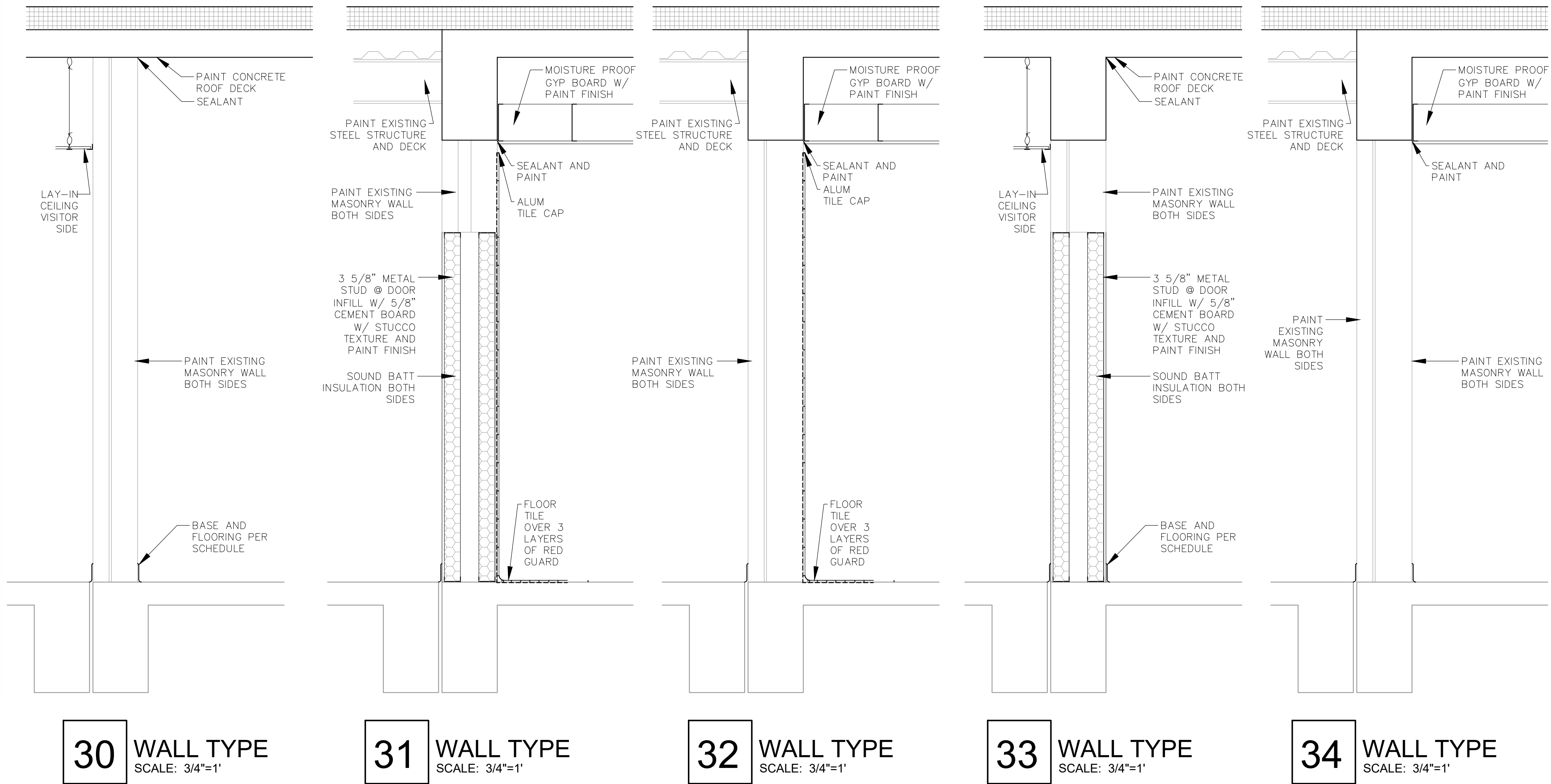
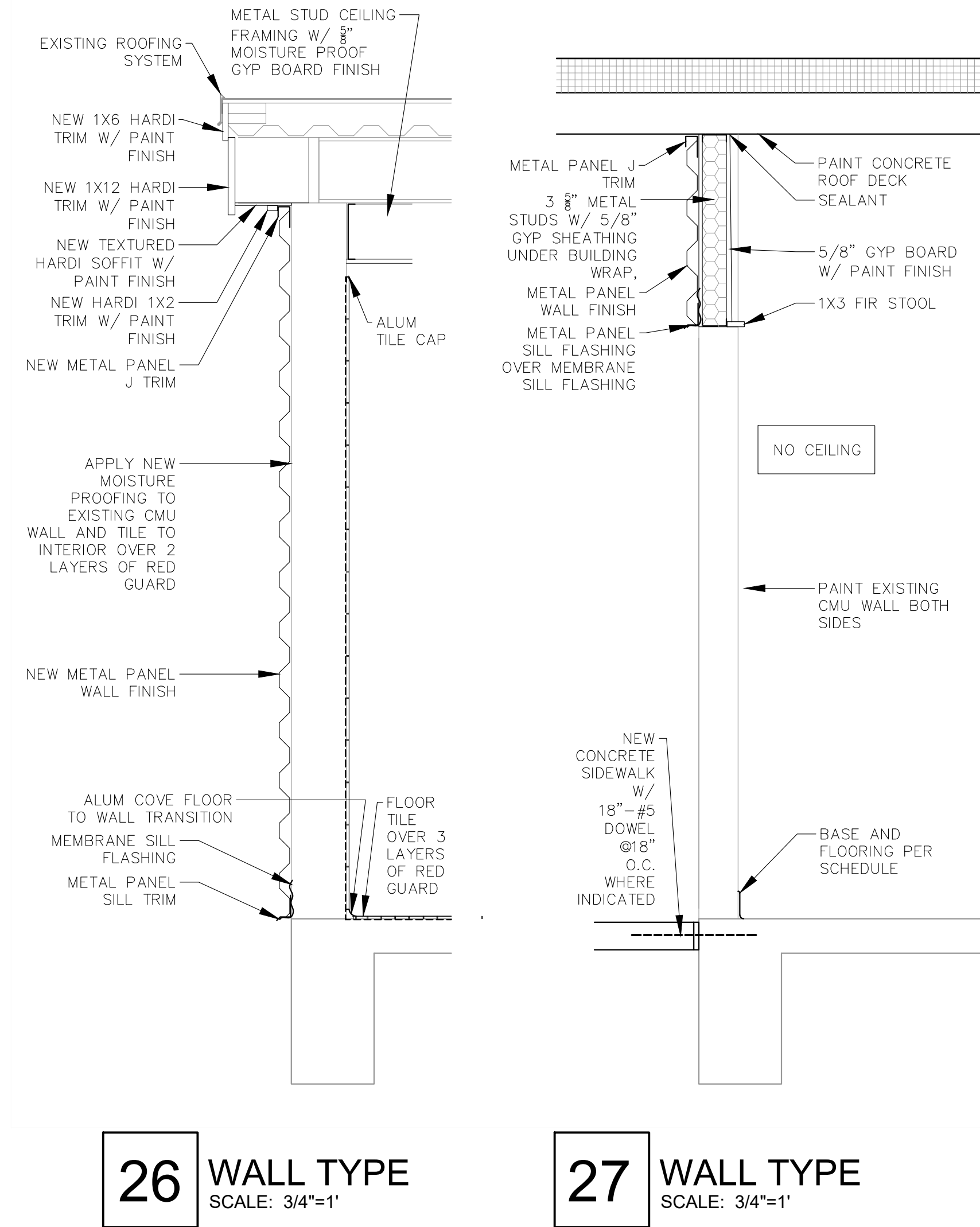
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2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



DATE:	8/14/25
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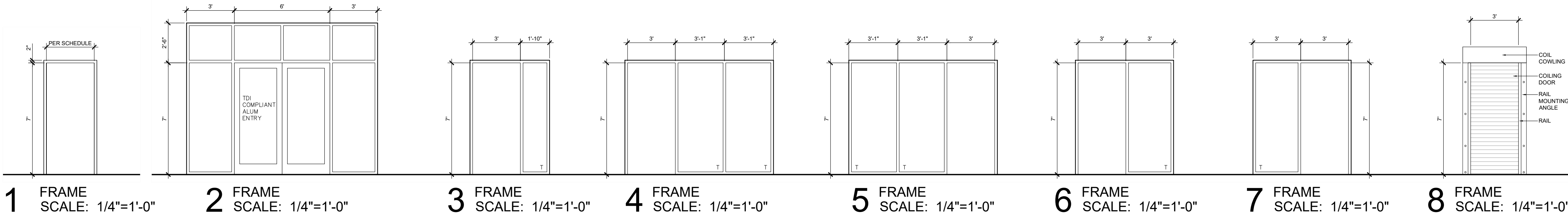


DATE:	8/14/25
REVISED:	

SHEET:

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DOOR AND WINDOW INFORMATION



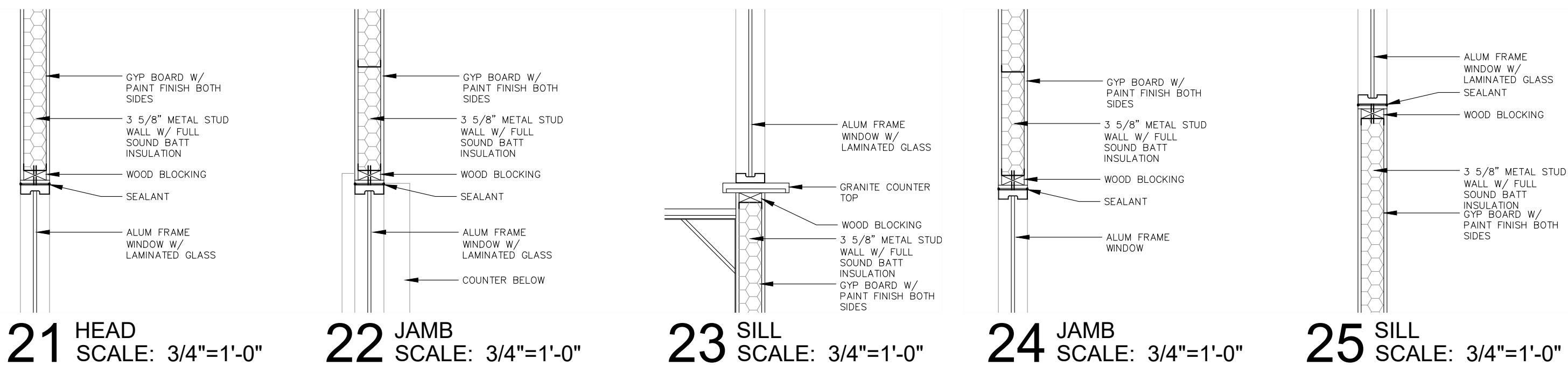
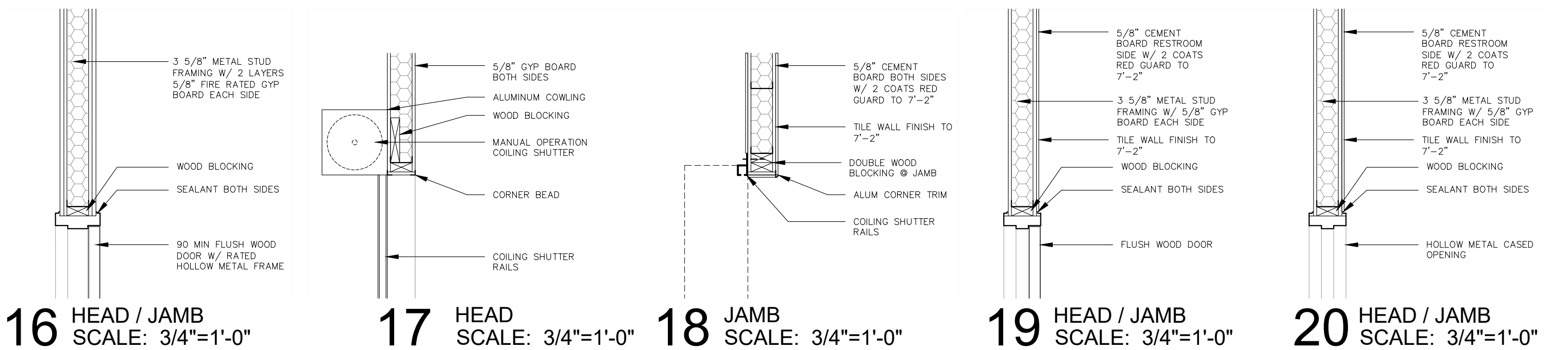
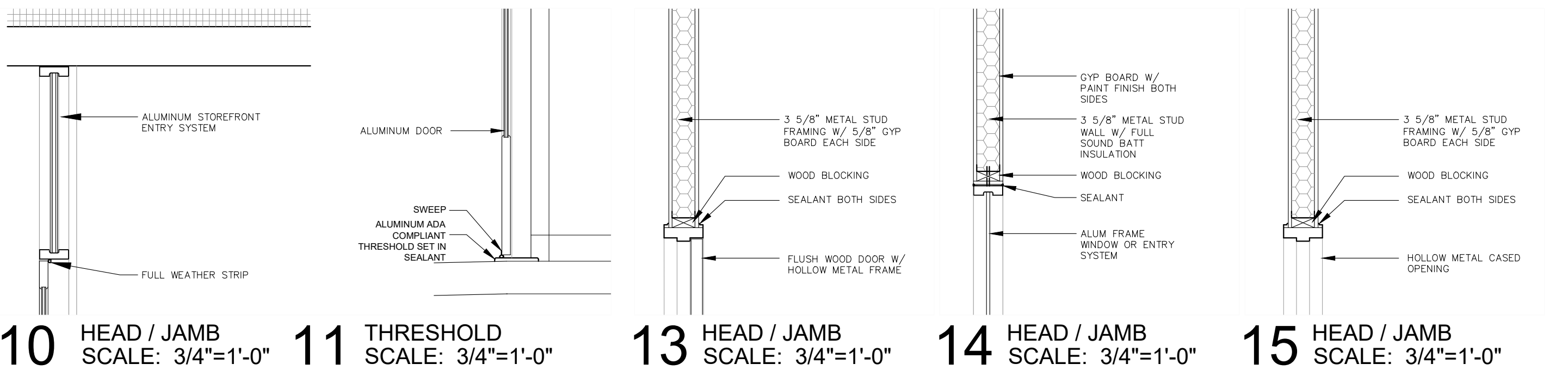
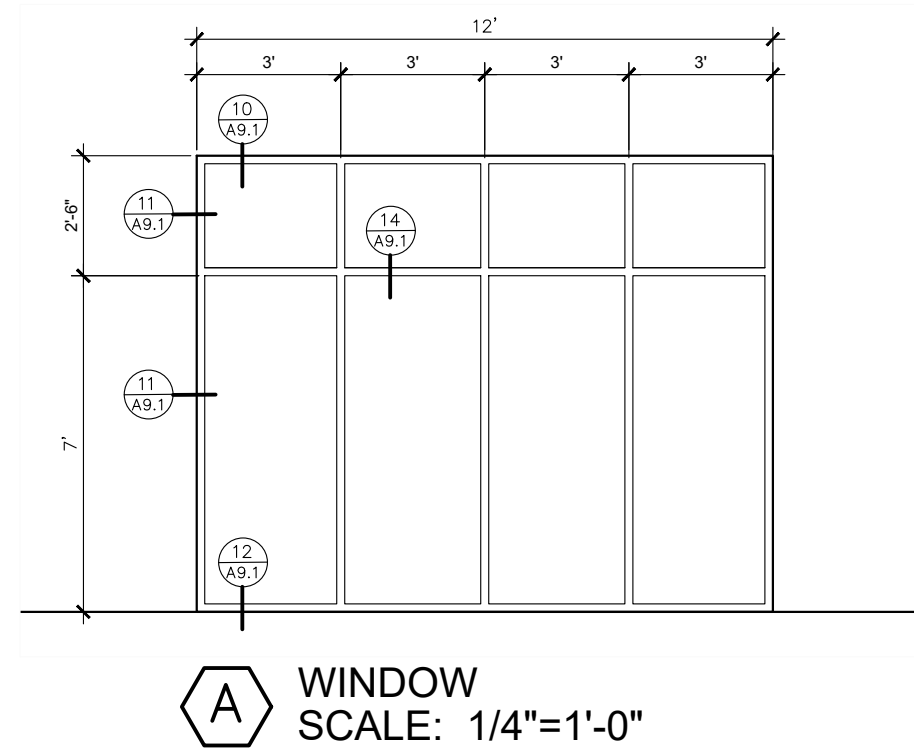
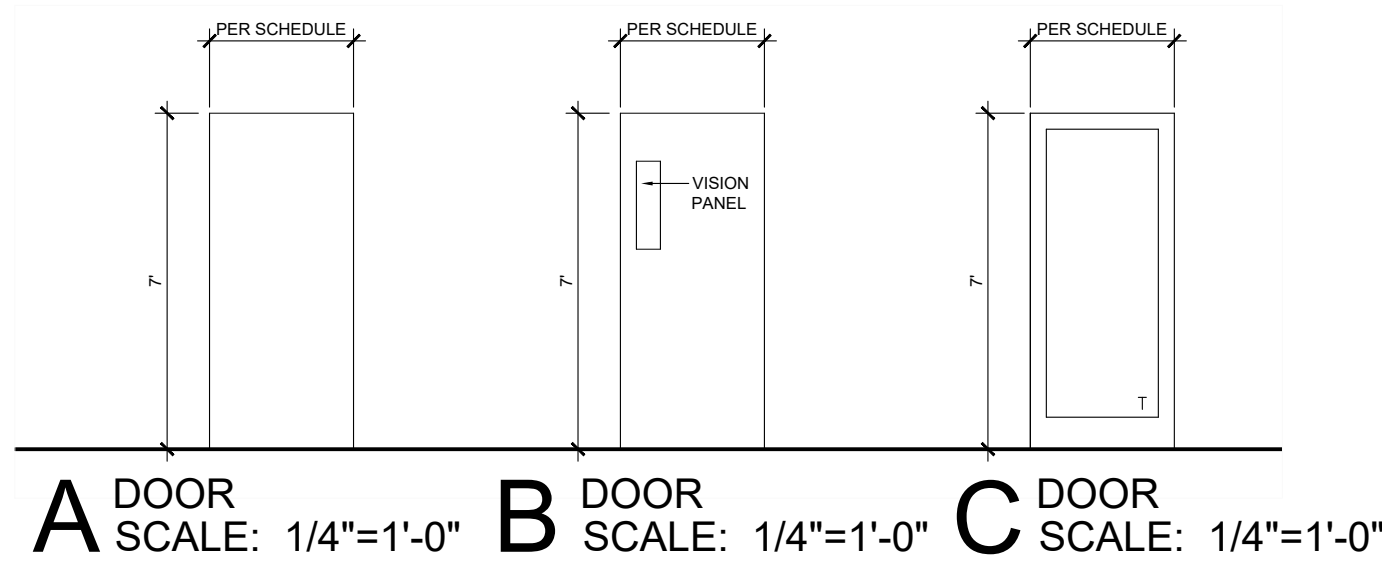
DOOR SCHEDULE:

Door No:	Size:	Depth:	Frame:	Head:	Jamb:	Thresh:	Door:	HDW Set:	Key:	Sign:	Comments:
100	3'-0"x7'-0"	1 3/4	2	10/A9.1	10/A9.1	11/A9.1	C	1	100		ALUM STORE FRONT SYSTEM
101	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	5	100	MECHANICAL ROOM	45 MIN RATING
102	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	5	100	IT ROOM	20 MIN RATING
103	3'-0"x7'-0"	1 3/4	1	19/A9.1	19/A9.1		A	4		WOMEN	
104	3'-0"x7'-0"	1 3/4	1	19/A9.1	19/A9.1		A	4		MEN	
105	3'-0"x7'-0"	1 3/4	5	13/A9.1	13/A9.1		B	3	100	MEN'S COACHES	
105A	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		B	4	100	LOCKER ROOM	
105B	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		B	3	100	COACHES	
106	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	7	100	BOYS LOCKER ROOM	
107	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	11	100	JUNIOR VARSITY	20 MIN RATING
108	4'-0"x7'-0"		1	20/A9.1	20/A9.1						CASED OPENING
108A	3'-0"x7'-0"		8	17/A9.1	18/A9.1			6	100		COILING DOOR
109	4'-0"x7'-0"		1	20/A9.1	20/A9.1						CASED OPENING
110	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	11	100	Varsity	20 MIN RATING
111	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	7	100	BOYS LOCKER ROOM / WEIGHT ROOM	20 MIN RATING
112	3'-0"x7'-0" PAIR	1 3/4	1	13/A11	13/A11		A	2	100	LAUNDRY	20 MIN RATING
114	3'-0"x7'-0"	1 3/4	6	13/A11	13/A11		B	3	100	TRAINER	
115	3'-0"x7'-0"	1 3/4	6	13/A11	13/A11		B	3	114	TRAINER OFFICE	
115A	3'-0"x7'-0"	1 3/4	7	13/A11	13/A11		B	3	114	TRAINER OFFICE	
116	3'-0"x7'-0"	1 3/4	2	10/A9.1	10/A9.1	11/A9.1	C	1	100		ALUM STORE FRONT SYSTEM
116A	3'-0"x7'-0"	1 3/4	3	13/A11	13/A11		B	3	100	WEIGHT ROOM	
117	3'-0"x7'-0"	1 3/4	4	13/A9.1	13/A9.1		B	3	100	WOMEN'S COACHES	CASED OPENING
117A	3'-0"x7'-0"	1 3/4	1	16/A9.1	16/A9.1		B	5	100	COACHES	90 MIN RATING
118	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	4	100	LOCKER ROOM	
119	3'-0"x7'-0"	1 3/4	1	16/A9.1	16/A9.1		A	7	100	GIRLS LOCKER ROOM	90 MIN RATING
119A	3'-0"x7'-0"	1 3/4	1	16/A9.1	16/A9.1		A	7	100	GIRLS LOCKER ROOM / WEIGHT ROOM	90 MIN RATING
120	3'-0"x7'-0"	1 3/4	1	13/A9.1	13/A9.1		A	11	100	JUNIOR VARSITY	20 MIN RATING
121	4'-0"x7'-0"		1	20/A9.1	20/A9.1						CASED OPENING
121A	3'-0"x7'-0"		8	17/A9.1	18/A9.1			6	100		COILING DOOR
122	4'-0"x7'-0"		1	20/A9.1	20/A9.1						CASED OPENING
123	3'-0"x7'-0"	1 3/4	1	16/A9.1	16/A9.1		A	7	100	Varsity	20 MIN RATING
124	3'-0"x7'-0"	1 3/4	1	26/A9.1	27/A9.1		A	7	100	LOCKER ROOM	MASONRY KD FRAME
124A	3'-0"x7'-0"	1 3/4	1	26/A9.1	27/A9.1		A	7	100	VISITOR'S LOCKER ROOM	MASONRY KD FRAME
126	3'-0"x7'-0"	1 3/4	1	26/A9.1	27/A9.1		A	12	100	VISITOR'S LOCKER ROOM	MASONRY KD FRAME - HM DOOR.
127	4'-0"x7'-0"		1	20/A9.1	20/A9.1						CASED OPENING
127A	4'-0"x7'-0"		1	20/A9.1	20/A9.1						CASED OPENING

DOOR SCHEDULE NOTES											
1. NEW DOORS SHOULD BE FLUSH WOOD UNLESS OTHERWISE NOTED											
2. NEW FRAMES SHALL BE WELDED HOLLOW METAL UNLESS OTHERWISE NOTED											

Key:	Keying Requirement	
GM	EXISTING ROBSTOWN HIGH SCHOOL GRAND MASTER KEY PROVIDED BY OWNER	
114	OPENS ALL DOORS	
100	OPENS ALL DOORS EXCEPT 114	

Hardware Schedule:			
SET 1: MANUF STANDARD PANIC W/ KEYED LEVER - 2 MANUF STANDARD HINGES MANUF STANDARD CLOSER - 2 MANUF STANDARD WEATHER SEALS THRESHOLD SWEEP - 2 GROUND STOP - 2 ASTRAGAL	SET 2: PASSAGE LEVER LOCKSET DUAL CYLINDER DEAD BOLT HINGES - 6 HEAD AND SILL LATCH BOLTS GROUND STOP - 2	SET 3: OFFICE LOCKSET - 1 HINGES - 3 SILENCERS - 3 WALL STOP SILENCERS - 3	SET 4: PRIVACY LOCKSET HINGES - 3 SILENCERS - 3 WALL STOP
SET 5: OFFICE LOCKSET - 1 HINGES - 3 SILENCERS - 3 WALL STOP SILENCERS - 3 CLOSER	SET 6: MANUFACTURER'S STANDARD CHAIN HOIST MANUFACTURER'S STANDARD LOCK	SET 7: MANUF STANDARD PANIC W/ KEYED LEVER HINGES - 3 SILENCERS - 3 WALL STOP SILENCERS - 3 CLOSER	SET 8: PANIC W/ KEYED LEVER - 2 HINGES CLOSER - 2 WEATHER SEALS THRESHOLD SWEEP - 2 GROUND STOP - 2 REMOVABLE ASTRAGAL - 1 DRIP CAP
SET 9: MANUF STANDARD PANIC W/ KEYED LEVER MANUF STANDARD HINGES MANUF STANDARD CLOSER MANUF STANDARD WEATHER SEALS THRESHOLD SWEEP GROUND STOP DRIP CAP	SET 10: OFFICE LOCKSET - 1 HINGES - 6 CLOSER - 2 SILENCERS - 6 SWEEP - 2 WALL STOP - 2 HEAD AND SILL LATCH PIN	SET 11: PANIC W/ KEYED LEVER HINGES - 3 SILENCERS - 3 WALL STOP CLOSER	SET 12: PANIC W/ KEYED LEVER HINGES CLOSER - WEATHER SEALS THRESHOLD SWEEP GROUND STOP REMOVABLE ASTRAGAL DRIP CAP
SET 13: PASSAGE LOCKSET HEAD AND SILL LATCH BOLTS HINGES - 6 CLOSER - 2 WEATHER SEALS THRESHOLD SWEEP - 2 GROUND STOP - 2 DEAD BOLT LOCK DRIP CAP	SET 14: MANUFACTURER'S STANDARD CHAIN HOIST MANUFACTURER'S STANDARD LOCK		



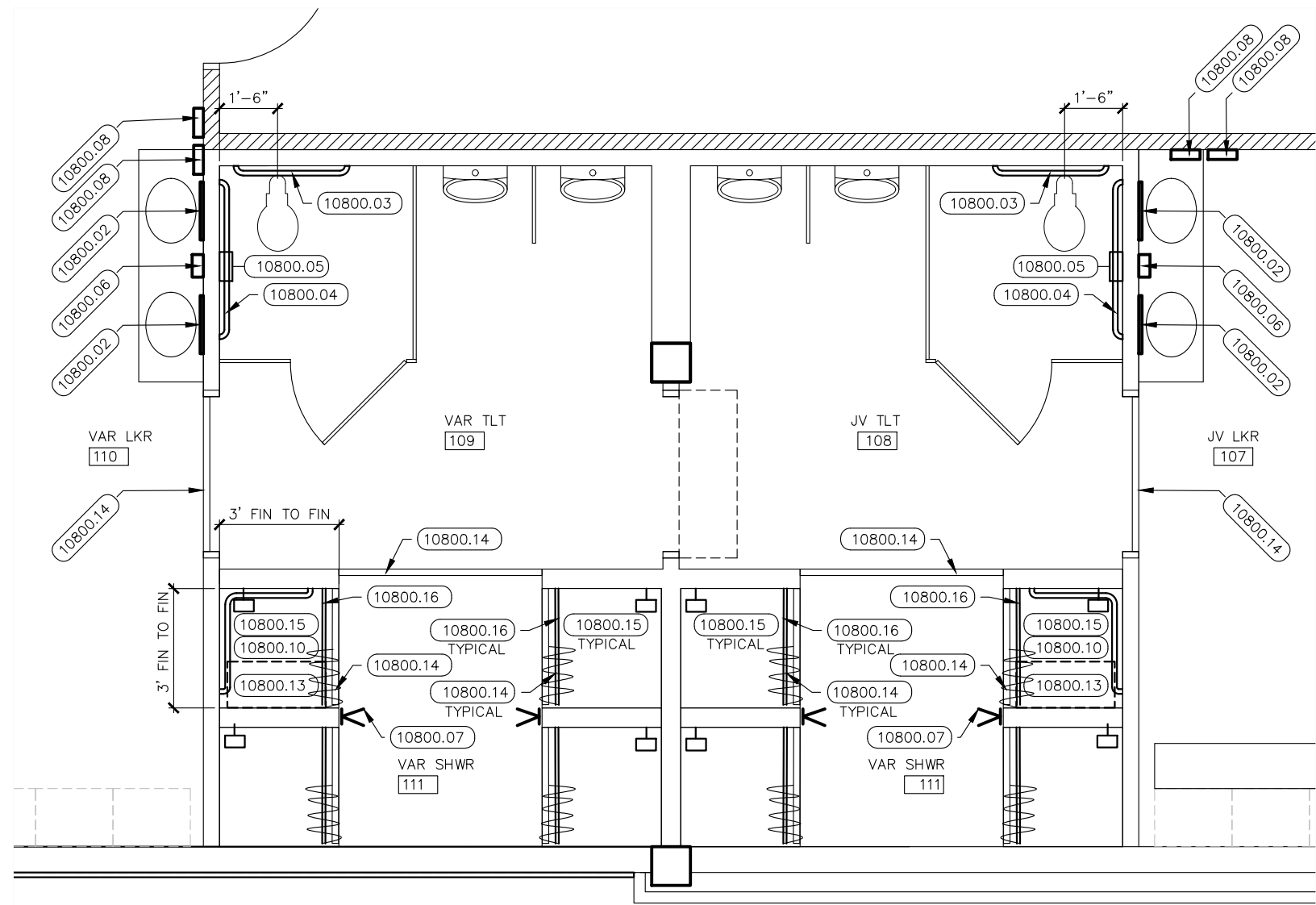
8/14/25

2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX

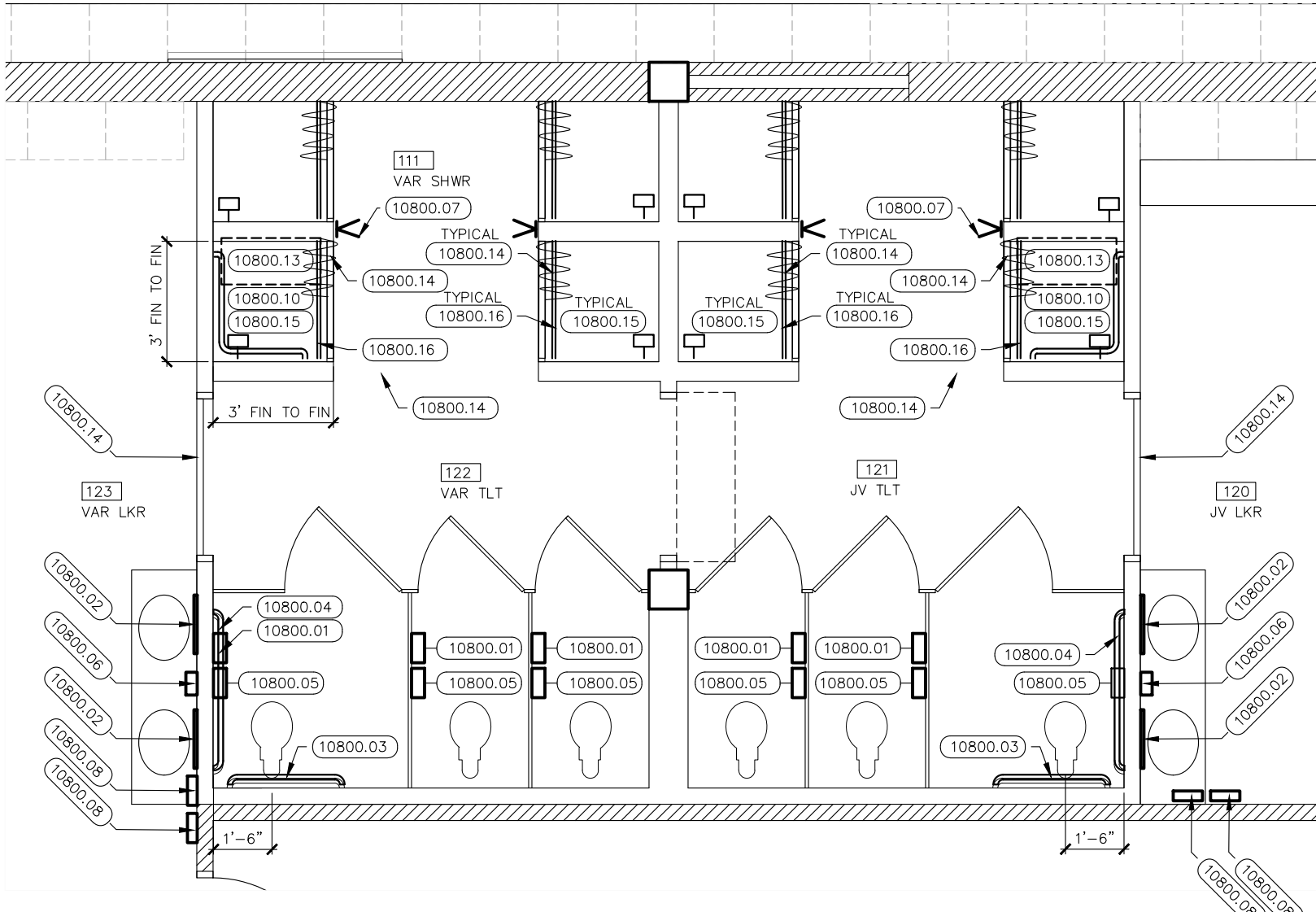


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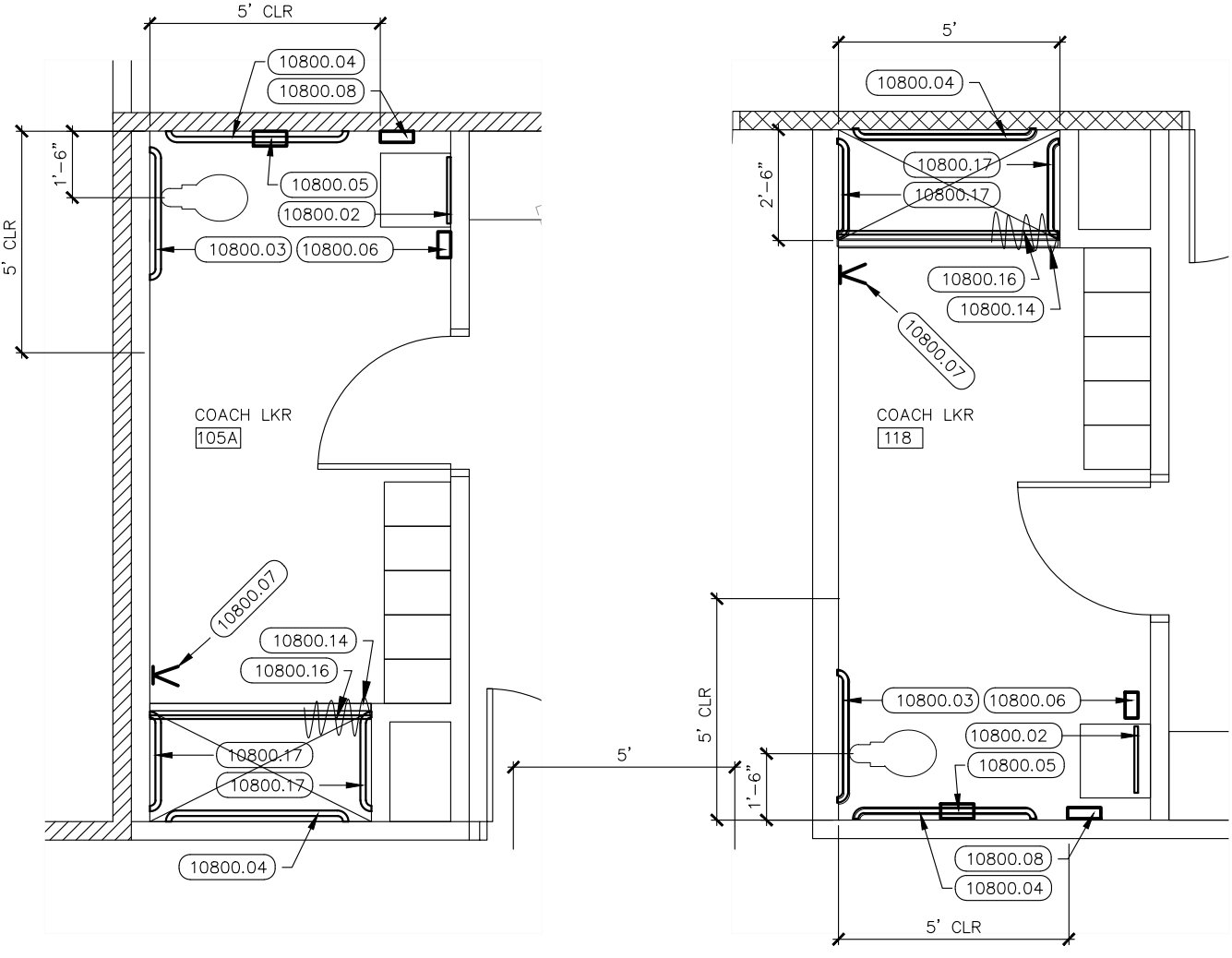
SHEET:
A10.1



ROOM 107, 108, 109, 110
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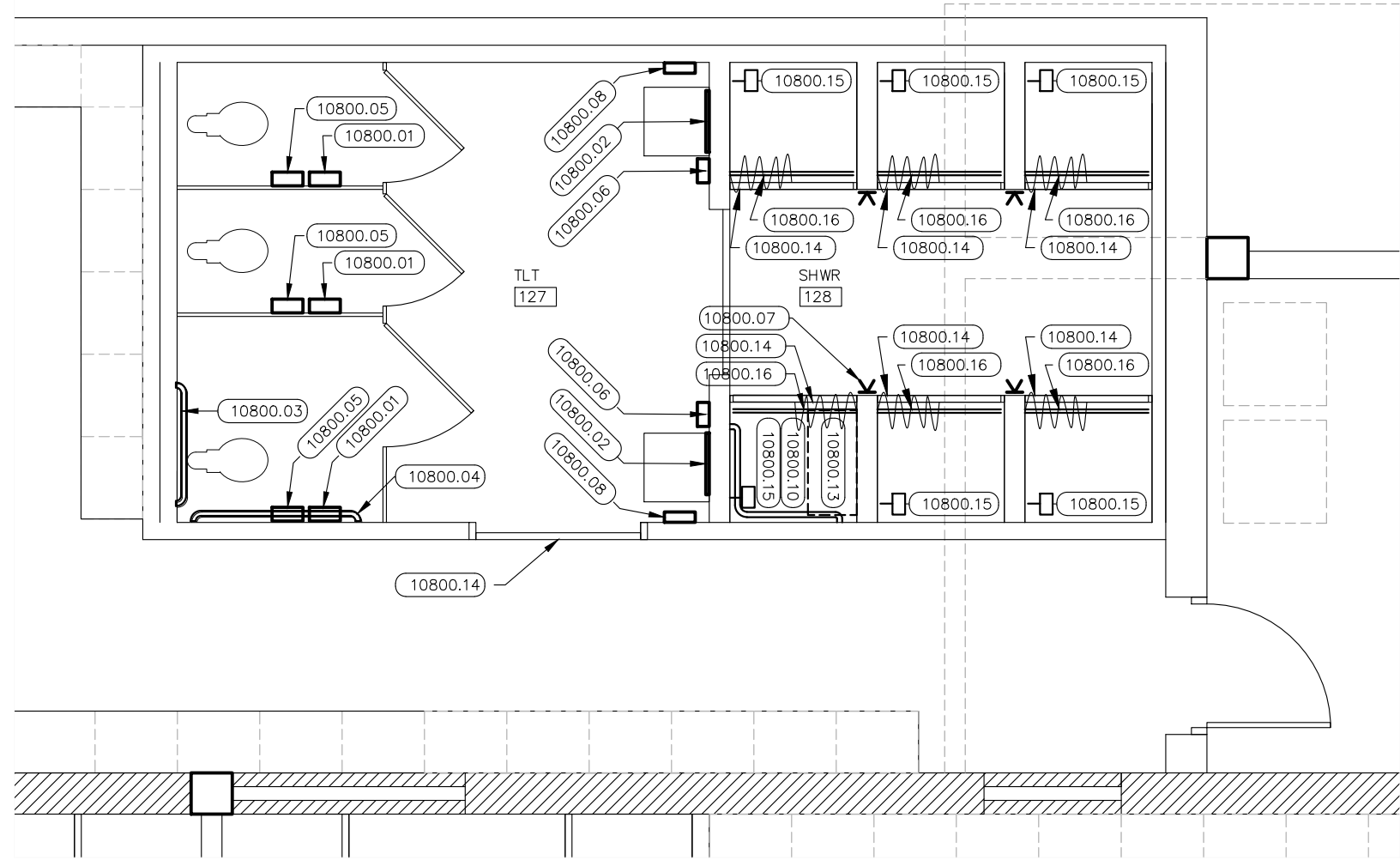


ROOM 120, 121, 122, 123
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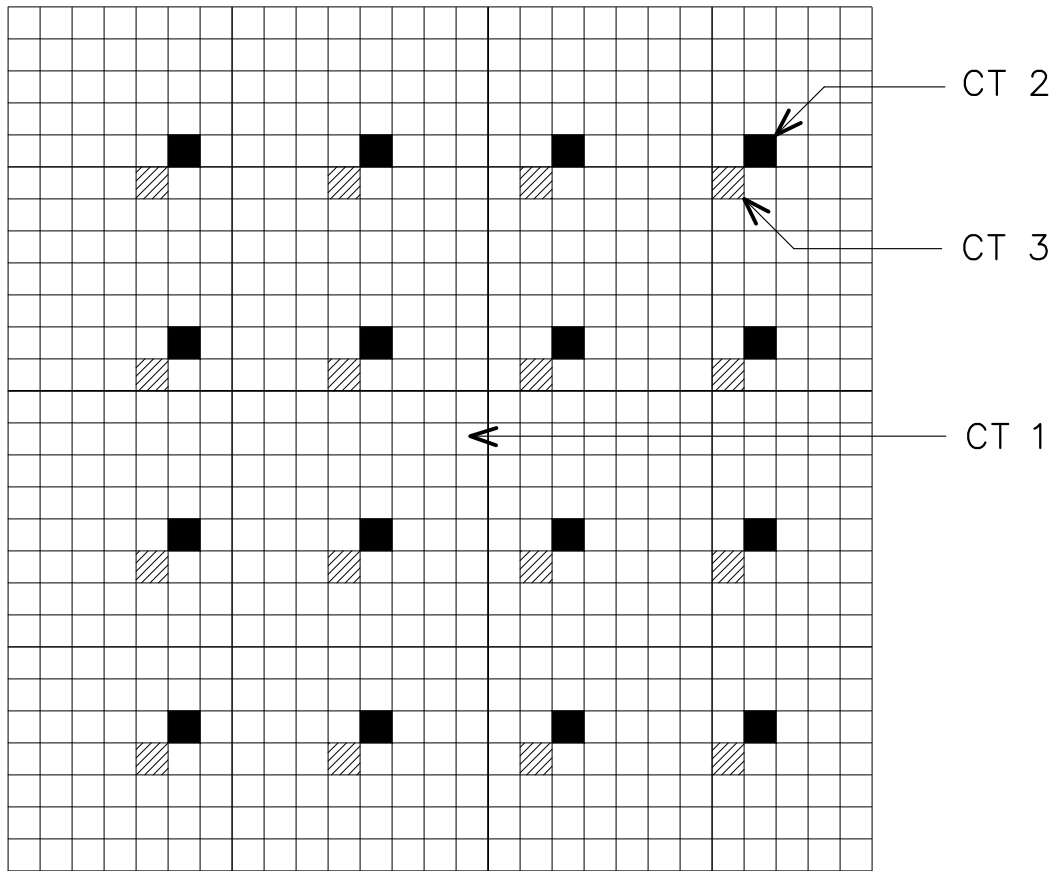


ROOM 105A
SCALE: 1/4"=1'-0"

ROOM 118
SCALE: 1/4"=1'-0"



ROOM 127, 128
SCALE: 1/4"=1'-0"



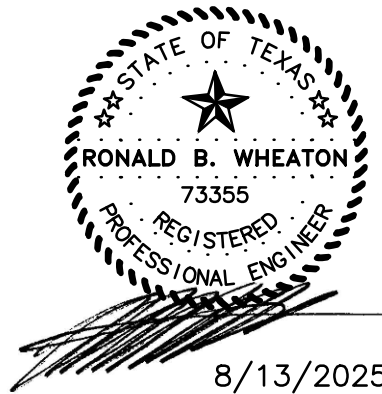
A FLOOR TILE PATTERN
SCALE: 1"=1'-0"

TOILET ACCESSORY SYMBOLS:

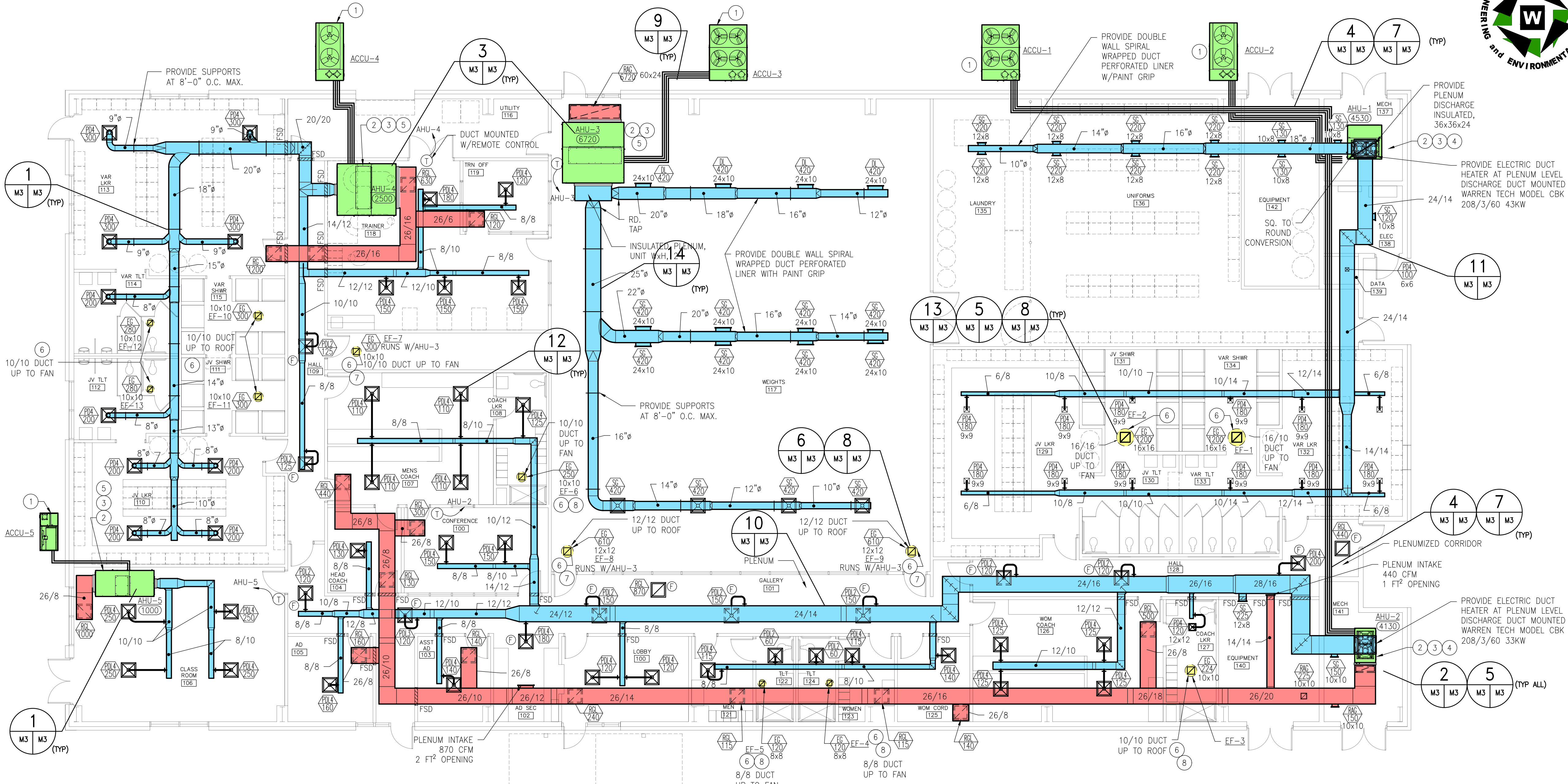
SYMBOL:	MAKE AND MODEL	MOUNTING HEIGHT AND DETAILS:
10800.01	ASI FEMINE NAPKIN DISPOSAL #852	28" A.F.F. TO LID
10800.02	ASI MIRROR #600	40" A.F.F. MAXIMUM TO REFLECTIVE SURFACE
10800.03	ASI 36" GRAB BAR #3800	33" A.F.F. AND 13" FROM CL OF TOILET TO END OF BAR
10800.04	ASI 48" GRAB BAR #3800	33" A.F.F. AND 9" FROM BACK WALL TO END OF BAR
10800.05	ASI TOILET PAPER DISPENSER #0042	20" A.F.F. AND 8" IN FRONT OF TOILET TO CL OF DISPENSER
10800.06	ASI SOAP DISPENSER #20364	44" A.F.F. TO CL
10800.07	ASI #7782 COAT HOOK	72" A.F.F. 47" A.F.F. @ ACCESSBLE
10800.08	ASI PAPER TOWEL DISPENSER #210	44" A.F.F. TO BOTTOM OF DISPENSER
10800.09	ASI MOP RACK #1308	72" A.F.F. TO TOP OF SHELF
10800.10	ASI GRAB BAR #3850 TYPE 60 30"X18" CORNER TYPE BAR	33" A.F.F.
10800.11	ASI 9018-9 BABY CHANGING STATION - HORIZONTAL STAINLESS STEEL - SURFACE MOUNTED	44" A.F.F. TO WORK SURFACE
10800.12	ASI SHOWER ROD #1214 W/ 48" ASI CURTAIN #1200V AND ASI CURTAIN HOOKS #1200 SHU	74" A.F.F. TO CL
10800.13	ASI #8206 FOLDING L SHAPE SHOWER BENCH.	18" A.F.F. TO TOP OF BENCH
10800.14	2"X1/2" MARBLE THRESHOLD W/ BEVELED EDGES	SET IN SEALANT ON TOP OF TILE
10800.15	SOAP DISH ASI #720Z	MOUNT @ 60" A.F.F. 47" A.F.F. @ ACCESSIBLE
10800.16	ASI SHOWER ROD #1214 W/ 48" ASI CURTAIN #1200V AND ASI CURTAIN HOOKS #1200 SHU	MOUNT ROD @ 75"
10800.17	ASI 24" GRAB BAR #3800	33" A.F.F. AND 3" FROM BACK



410 S ENTERPRISE PKWY
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RWHEATON@WHEATON-EES.COM
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davispowellarchitect.com



REFER TO MECHANICAL
GENERAL NOTES SHEET M2.

FIELD HOUSE - MECHANICAL PLAN

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

- KEYNOTES: ○
- PROVIDE CONCRETE MOUNTING HOUSEKEEPING PAD FOR ACCU. THE PAD SHALL BE 6 INCH THICK CONCRETE WITH A THICKENED 12 X 12 PERIMETER BEAM. PROVIDE TWO NUMBER #6 BARS WITH 30" X 30" CORNERS IN THE THICKENED BEAM. PROVIDE #4 REBAR 12 INCHES ON CENTER BOTH WAYS TO REINFORCE THE CONCRETE PAD. PREPARE THE SOIL LOCATION BY EXCAVATING 18 INCHES OF EXISTING SOIL AND RE-COMPACTING IN 6 INCH LIFTS WITH CRUSHED RECYCLED CONCRETE COMPACTED TO 95% PROCTOR. CONCRETE MATERIAL SHALL BE 4000 PSI, 28 DAYS, WITH MAXIMUM 1 INCH AGGREGATE. TROWEL AND BROOM FINISH SURFACE TOOL EDGES. PROVIDE A MINIMUM OF FOUR 5/8 INCH BY 6 INCH EXPANSION BOLTS TO ANCHOR THE CONDENSER UNIT, FOUR-INCH EMBEDMENT.
 - PROVIDE AND INSTALL SCHEDULED AIR HANDLER AND CONDENSER SYSTEMS. PROVIDE REFRIGERANT PIPING INDICATED, AND INCLUDE CONDENSATE DRAINS, DUCTWORK, AND SUPPORT SYSTEMS. CONNECT ELECTRICAL POWER AND DDC CONTROLS TO EACH UNIT AS DETAILED. PROVIDE REFRIGERANT LINE ACCESSORIES AND PIPE SUPPORTS AS DETAILED.
 - PROVIDE ALL CONTROL WIRING AND REMOTE SENSORS AS INDICATED, PROVIDE PROGRAMMING FOR THE DIRECT DIGITAL CONTROLS INCLUDING GRAPHICS FOR THE HEAD IN SYSTEM. ALL INDICATED HVAC SYSTEMS SHALL BE CONTROLLABLE REMOTELY THROUGH THE DDC SYSTEM, AUTOMATED LOGIC, AT THE ROBSTOWN ISD MAINTENANCE FACILITIES.
 - PROVIDE AIR HANDLER UNIT HOUSEKEEPING PAD. DOWEL INTO THE EXISTING FLOORING SYSTEM WITH #5 BAR AT 24 INCHES ON CENTER BOTH WAYS. PROVIDE #4 REBAR 12 INCHES ON CENTER BOTH WAYS TO REINFORCE THE CONCRETE PAD. CONCRETE MATERIAL SHALL BE 4 INCHES THICK, 4000 PSI, 28 DAYS, WITH MAXIMUM 1 INCH AGGREGATE. TROWEL AND BROOM FINISH SURFACE TOOL EDGES. PROVIDE A MINIMUM OF FOUR 5 1/2-INCH BY 5-INCH EXPANSION BOLTS TO ANCHOR THE CONDENSER UNIT, 2-INCH EMBEDMENT. PROVIDE NEOPRENE ISOLATION PADS UNDER ALL AIR HANDLER UNITS WITH SUSPENSION FAN SYSTEMS AND SPRING ISOLATORS UNDER AIR HANDLER SYSTEMS WITH NON-ISOLATED FAN SYSTEMS.
 - PROVIDE COMPLETE HANGING SUSPENSION SUPPORT SYSTEM FOR CEILING MOUNTED AIR HANDLER UNITS. THE UNIT SHALL BE SUPPORTED BY A MINIMUM OF THREE JOISTS. PROVIDE 4X4X5/16 ANGLE IRON AS REQUIRED FOR BRIDGING BETWEEN JOY SYSTEMS. PROVIDE ALL THREAD HANGERS A MINIMUM OF FOUR PER DETAIL, MINIMUM DIAMETER 1/2 INCH. PROVIDE ISOLATION AS INDICATED.
 - PROVIDE CURB UNIT FOR EXHAUST FAN SYSTEM. CURBS SHALL BE CONNECTED TO THE FACILITY UTILIZING STRAPS INDICATED AND DETAILS TO MAINTAIN WINDSTORM INTEGRITY. WINDSTORM CERTIFICATION SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL POWER PENETRATIONS AND ACCESS TO THE FAN SYSTEM SHALL BE THROUGH THE CURB. NO PENETRATIONS OF THE FAN BASE OR ANY OTHER STRUCTURE CONNECTING THE INTERIOR OF THE BUILDING TO THE EXTERIOR THE BUILDING ARE ALLOWED. PROVIDE POWER AND CONTROL TO THE FAN SYSTEMS AS INDICATED.
 - WEIGHT ROOM FAN SYSTEMS SHALL BE CONTROLLED SUCH THAT THEY ONLY OPERATE WHEN THE AIR HANDLER IN THE WEIGHT ROOM IS OPERATING. SYSTEMS SHALL BE CONTROLLED SUCH THAT FANS DO NOT CAUSE UNTREATED AIR TO ENTER THE BUILDING THROUGH NEGATIVE PRESSURE GENERATED WITH THE AIR HANDLER MAKEUP SYSTEM IN OPERABLE.
 - RESTROOM FAN SYSTEMS SHALL BE WIRED TO THE LIGHTING SWITCHES SUCH THAT FANS DO NOT OPERATE WHEN THE RESTROOM IS UNOCCUPIED.

AIR COOLED CONDENSING UNIT SCHEDULE						
MARK	TOTAL CAPACITY MBUHR	OUTDOOR AMBIENT DEG F	REFRIG	VOLTAGE PHASE CYCLE	EST MAX FLA	COMP. NO
ACCU-1	316.0	105	R454P	480/3/60	36.0	2.0
ACCU-2	154.0	105	R454P	480/3/60	17.0	2.0
ACCU-3	250.0	105	R454P	480/3/60	28.0	2.0
ACCU-4	171.0	105	R454P	480/3/60	19.0	2.0
ACCU-5	35.0	105	R454P	480/3/60	4.0	1.0
TOTALS						

UNIT MODEL NUMBERS

AHU-1 / ACCU-1 / EDH-1: AAON V3-ERB / CFA-030 / WARREN CBK 36-36-43
AHU-2 / ACCU-2 / EDH-2: AAON V3-DLB / CFA-013 / WARREN CBK 28-16-33
AHU-3 / ACCU-3: AAON H3-ELB / CFA-025
AHU-4 / ACCU-4: AAON H3-DRB / CFA-015
AHU-5 / ACCU-4: AAON H3-BLB / CFA-003

FAN SCHEDULE									
MARK	FAN DATA				FAN REQUIREMENTS			UNIT DATA	
	TOTAL C.F.M.	EXT. S.P. IN W.G.	EST. FAN EFF.	MIN MOTOR H.P.	VOLTAGE PHASE HERTZ	DRIVE TYPE	TYPE	MAX ALLOWABLE SOUND LEVEL	POWER DAM PER REQUIRED
EF-1	1200	0.6	30.0%	0.38	120/1/60	VFD	DOWN BLAST	16	Yes
EF-2	1200	0.6	30.0%	0.38	120/1/60	VFD	DOWN BLAST	16	Yes
EF-3	224	0.5	30.0%	0.06	120/1/60	DIRECT	CONTROL REO	10	Yes
EF-4	120	0.5	30.0%	0.03	120/1/60	DIRECT	CONTROL REO	10	Yes
EF-5	120	0.5	30.0%	0.03	120/1/60	DIRECT	CONTROL REO	10	Yes
EF-6	250	0.5	30.0%	0.07	120/1/60	DIRECT	CONTROL REO	10	Yes
EF-7	300	0.7	30.0%	0.11	120/1/60	DIRECT	CONTROL REO	10	Yes
EF-8/9	610	0.5	30.0%	0.16	120/1/60	DIRECT	CONTROL REO	16	Yes
EF-10/11	300	0.7	30.0%	0.11	120/1/60	DIRECT	CONTROL REO	10	Yes
EF-12/13	250	0.5	30.0%	0.07	120/1/60	DIRECT	CONTROL REO	10	Yes
TOTALS	1200	0.6	30.0%	0.38				16.0	

AIR HANDLER UNIT SCHEDULE - DX - ELECTRIC HEAT																						
MARK	VAV UNIT	FAN SECTION										COOLING COIL										
		TOTAL C.F.M.	O.A. C.F.M.	EXT. S.P. IN W.G.	EST. FAN EFF.	MIN MOTOR H.P.	VOLTAGE PHASE HERTZ	TOTAL CAPACITY MBUHR	SENS. CAPACITY MBUHR	E.D.B. DEG F	E.W.B. DEG F	L.D.B. DEG F	L.W.B. DEG F	O.A. DRY BULB	O.A. WET BULB	PRESS. ATMOS. PSIG	PSYCHOMETRICS	ENT. ENTHALPY	LEAV. ENTHALPY	MINIMUM ROWS	MAXIMUM FIN SPACING NO. IN	MIN FACE AREA FT²
AHU-1	Yes	4530	3000	1.0	32.0%	2.2/9	460/3/60	315.54	162.65	88.2	74.1	55.0	54.0	95.0	80.0	14.2	38.234	22.909	4	12	10.1	122.31
AHU-2	Yes	4130	800	1.2	32.0%	2.3/7	460/3/60	153.99	106.49	78.9	65.9	55.0	54.0	95.0	80.0	14.2	31.112	22.909	4	12	9.2	111.51
AHU-3	Yes	6720	1300	1.0	32.0%	3.1/3	460/3/60	250.45	173.23	78.9	65.9	55.0	54.0	95.0	80.0	14.2	31.109	22.909	4	12	14.9	181.44
AHU-4	Yes	3500	1300	1.0	32.0%	1.6/7	460/3/60	170.96	103.68	82.4	69.0	55.0	54.0	95.0	80.0	14.2	33.655	22.909	4	12	7.8	94.50
AHU-5	NO	1000	150	0.7	32.0%	1/3	460/3/60	34.57	24.84	78.0	65.1	55.0	54.0	95.0	80.0	14.2	30.514	22.909	4	12	2.2	27.00
TOTALS		19880	6550	1.0	0.3	10.03		925.51	570.89	81.3	68.0	55.0	54.0	95.0	80.0	14.2	164.62	114.55	4.0	12.0	8.8	536.76
		TOTAL CFM		OA CFM		TONAGE																
		19880		6550		77.1																

- PROVIDE AIR HANDLERS WITH DOUBLE WALL CONSTRUCTION, HINGED ACCESS DOORS, 5" BASE, AND FACTORY-APPLIED EXTERNAL PAINT.
- AIR HANDLER FANS MOTORS TO BE ECM OR PERMANENT MAGNET WITH FACTORY MOUNTED VARIABLE SPEED DRIVES.
- AIR HANDLERS TO BE PROVIDED WITH MINIMUM 8 ROW COOLING COIL AND STAINLESS STEEL DRAIN PAN.
- AIR HANDLERS TO BE PROVIDED WITH MODULATING HOT GAS REHEAT COIL, FACTORY MOUNTED BAGNET CONTROLS, AND SPACE T / RH SENSOR.
- AHU-1 AND AHU-2 TO BE PROVIDED WITH ELECTRIC DUCT HEATERS.
- CONDENSING UNITS TO BE PROVIDED WITH VARIABLE CAPACITY SCROLL COMPRESSORS AND 10,000 HOUR CONDENSER COIL COATING.

2025 FIELD HOUSE IMPROVEMENTS

ROBSTOWN ISD

ROBSTOWN, TX



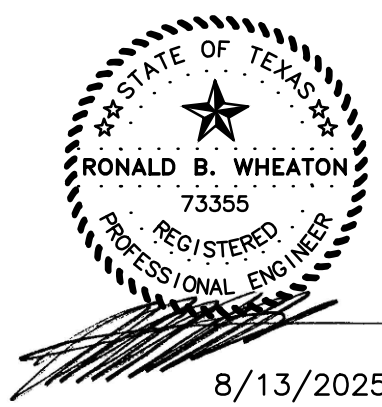
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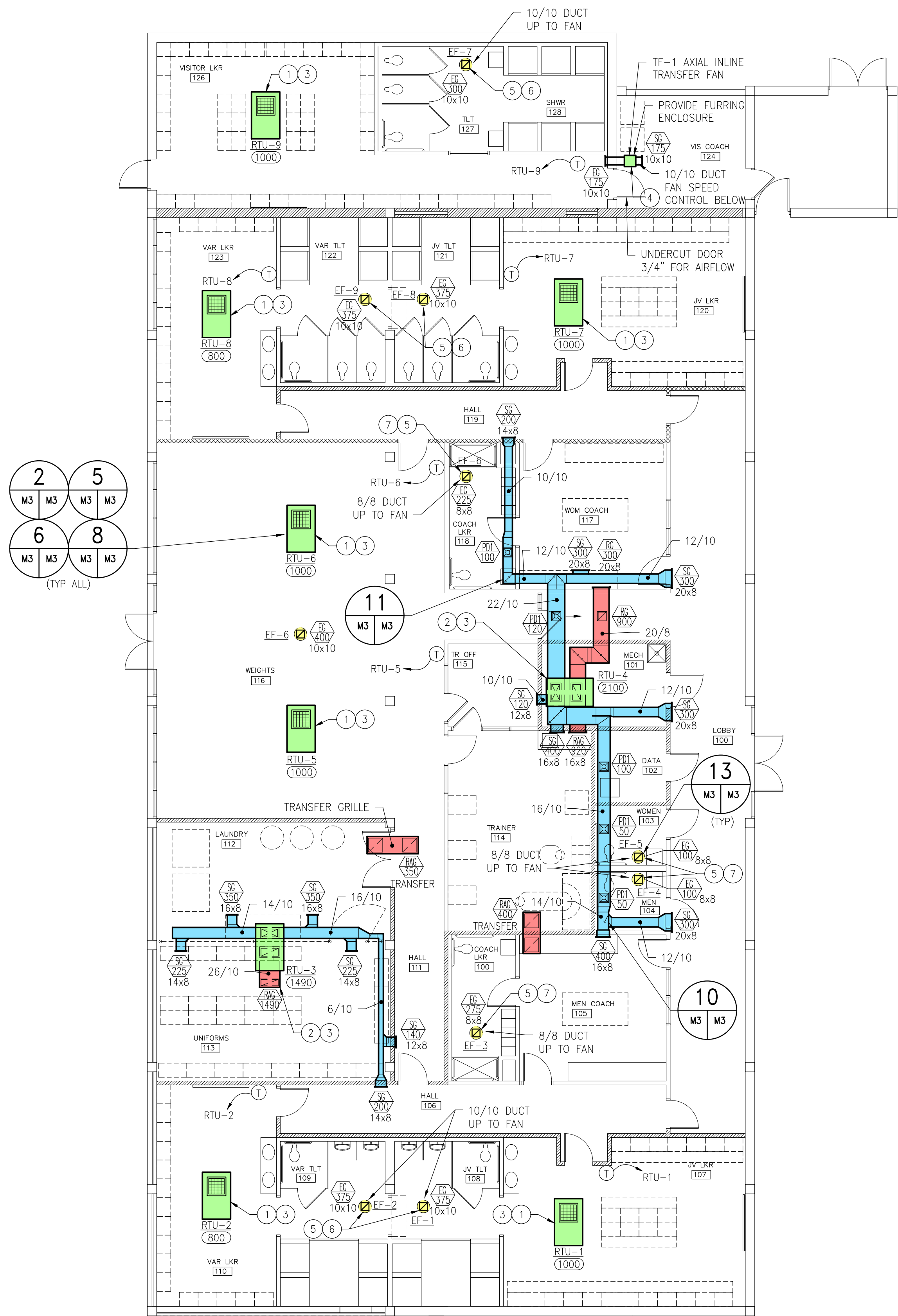


410 S ENTERPRISE PKWY
CORPUS CHRISTI, TX 78405
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8/13/2025

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1 LOCKER ROOM – MECHANICAL PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES – MECHANICAL:

- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE WORK IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES UNDER THIS SECTION OF THE CONTRACT. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE SHALL INFORM THE ARCHITECT PRIOR TO CONSTRUCTION START FOR DIRECTION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES, AND REWORK SHALL BE AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW DUCTWORK FLUSH WITH THE BUILDING STRUCTURE TO ACCOMMODATE NEW CEILINGS/DUCTS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH ARCHITECTURAL AND ELECTRICAL RENOVATIONS. INSTALLED DUCTWORK SHALL BE MODIFIED AS NECESSARY AND REQUIRED TO FIT AROUND BUILDING STRUCTURES, ARCHITECTURAL BUILD-OUT AND EQUIPMENT INSTALLATIONS. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.
- CONTRACTOR SHALL PROVIDE ALL EXHAUST SYSTEMS, INCLUDING FANS AND EXHAUST DUCTS.
- CONTRACTOR SHALL PROVIDE ALL CEILING DIFFUSERS AS SHOWN. CONNECT EACH DIFFUSER TO THE MAIN DISTRIBUTION DUCTS WITH A FLEX-DUCT SECTION; CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAIL. EACH FLEX-DUCT CONNECTION SHALL INCLUDE A BUTTERFLY DAMPER TO BE INSTALLED AT THE TRUNK DUCT.
- CONTRACTOR SHALL PROVIDE ALL DUCTWORK REQUIRED TO COMPLETE THE HVAC SYSTEM. TIE IN BRANCH DUCTS TO EXISTING MAIN DUCTS WITH SHEET METAL FLANGES. FLANGE CONNECTION SHALL BE FASTENED WITH CRIMPED SHEET METAL STRIPS AND SEALED WITH SILICONE CAULK.
- PROVIDE SMOKE/FIRE DAMPERS IN THE HORIZONTAL DUCTS WHERE THEY PENETRATE FIRE BARRIERS.
- CONTRACTOR SHALL PROVIDE FIRE DAMPERS IN ALL DIFFUSERS AND GRILLES LOCATED IN FIRE RATED CEILINGS. ALL HALLWAY DIFFUSERS AND GRILLES SHALL BE INSTALLED WITH FIRE DAMPERS. ALL DIFFUSERS AND GRILLES SHOWN WITH A CIRCLED "F" SHALL BE EQUIPPED WITH FIRE DAMPERS.
- ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS OR CONCRETE FLOORS SHALL BE CORE DRILLED OR SAVED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION BEFORE MAKING PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS. CONTRACTOR SHALL REINFORCE ALL OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AND SEAL OPENINGS WITH 6000 PSI CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRAMING OR ESCUTCHEONS) AROUND OPENINGS IN FINISHED AREAS. COORDINATE ALL CUTTING AND PATCHING WITH THE OTHER TRADES.
- ON ANY WORK SHOWN ON MECHANICAL DRAWINGS REQUIRING DEMOLITION OF EXISTING OR NEW BUILDING STRUCTURES AND FINISHES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PATCHING SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH ARCHITECT-APPROVED PATCHING MATERIALS. REPAIRS SHALL BE COMPLETED ACCORDING TO ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING SHALL BE APPROVED BY THE ARCHITECT.
- ALL PIPES, DUCTWORK FASTENERS AND EQUIPMENT REMOVED DURING DEMOLITION SHALL BE DISPOSED OF BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. SECTIONS AND ENDS OF PIPES AND DUCTS WHICH REMAIN IN THE BUILDING SHALL BE PROPERLY CAPPED AND SEALED TO PREVENT LEAKAGE. ENDS SHALL BE TRIMMED BACK TO A WALL, CEILING OR OTHER STRUCTURE WHICH IS NEW OR EXISTING AND REFINISHED TO LOOK NEAT AND NOT DETRACT FROM THE SURROUNDINGS. BROKEN AREAS LEFT BY FASTENERS IN EXPOSED WALLS AND CEILINGS SHALL BE FILLED AND SMOOTHED OVER WITH PROPER PATCHING MATERIALS. FASTENER AND BRACKET DAMAGES IN FINISHED AREAS SHALL BE DEALT WITH IN ACCORDANCE WITH THE NOTE ABOVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE INSTALLATION OF THE AIR DISTRIBUTION SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE SUPPLIED AND INSTALLED. ALL INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, INCLUDING NFPA 90A AND 90B.

- CONTRACTOR SHALL BALANCE ALL AIR DISTRIBUTION SYSTEMS TO ACHIEVE THE AIR VOLUME REQUIREMENTS INDICATED. BALANCING SHALL INCLUDE ADJUSTMENT OF ALL MANUAL VOLUME DAMPERS, SPLITTER DAMPERS, ZONE DAMPERS (IF REQUIRED), BUTTERFLY DAMPERS AND INDIVIDUAL DIFFUSER VOLUME DAMPERS (FINAL BALANCINGS ONLY). CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A COMPLETE BALANCING REPORT WHICH INCLUDES, VOLUME, ROOM REFERENCE AND ZONE VOLUME TOTALS.
- MOUNT ALL THERMOSTATS 42" ABOVE THE FINISHED FLOOR LEVEL. THERMOSTATS SHOWN SHALL BE IN CONTROL OF THE ZONE SYSTEM WHICH IS SUPPLYING AIR TO THE AREA WHERE THE THERMOSTAT IS LOCATED. CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF EACH THERMOSTAT WITH THE ROOM FINISHES AND USES. CONTRACTOR SHALL SUPPLY AND INSTALL ALL CONTROL VOLTAGE WIRING AND CONDUIT AND PNEUMATIC TUBING FOR THERMOSTAT INSTALLATION.
- CONTRACTOR SHALL COORDINATE THE FINAL LOCATIONS OF ALL CEILING DIFFUSERS WITH LIGHTING INSTALLATIONS AND ARCHITECTURAL REFLECTED CEILING PLANS. MOVE THE DIFFUSER LOCATIONS IF REQUIRED TO AVOID OBSTRUCTIONS FROM DUCTWORK AND LIGHT FIXTURES.
- CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING FLUSH WITH THE BUILDING STRUCTURE AND MECHANICAL ROOM BOUNDARIES AS SHOWN. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH DUCTS AND ELECTRICAL CONDUIT. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.
- CONTRACTOR SHALL FIELD VERIFY ALL PIPING DIMENSIONS BEFORE CUTTING AND FABRICATING PIPING. ALL DIMENSIONS SHOWN ARE APPROXIMATE.
- ALL REFRIGERATION PIPING SHALL BE PAINTED, INSULATED AND JACKETED.
- ALL CHILLED (COLD) PARTS AND EQUIPMENT SHALL BE INSULATED AND SEALED WITH A VAPOR BARRIER. PIPE SUPPORT SHALL BE INSTALLED TO ALLOW FOR INSULATION. ALL PIPING SHALL BE SUPPORTED FROM THE STRUCTURE.
- VERIFY THE LOCATION OF ALL WALLS, PARTITIONS, DOORS, CABINETS, AND CEILINGS FROM ACTUAL FIELD MEASUREMENTS.
- PROVIDE SMOKE DETECTOR AND SHUTDOWN CONTROLS ON ALL AIR HANDLERS AND SUPPLY FANS. SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL AND INSTALLED BY MECHANICAL. COORDINATE TO PROVIDE A COMPLETE SYSTEM. PROVIDE BOTH SUPPLY AND RETURN SIDE DEVICES.
- PROVIDE AUXILIARY DRAIN PANS ON ALL ATTIC/CEILING MOUNTED AIR HANDLER UNITS. PANS SHALL BE EQUIPPED WITH A SAFETY FLOAT SWITCH TO SHUT OFF THE AIR HANDLER UNIT FAN WHEN THE AUXILIARY DRAIN PAN FILLS WITH WATER.
- ELECTRICAL SHALL PROVIDE 120V, 1PH, 60HZ POWER TO ALL HVAC DEVICES TO SUPPORT DDC PANELS, SMOKE DAMPERS, SUPPLY FAN DAMPERS AND VALVE ACTUATORS, INCLUDING CONDUIT CONDUCTOR, DISCONNECT DEVICE, FLEXIBLE CONNECTORS AND ALL TERMINATIONS. PROVIDE POWER TO LOW VOLTAGE TRANSFORMERS. COORDINATE WITH ELECTRICAL TO VERIFY THAT ALL CONTROL POWER IS PROVIDED.

KEYNOTES:

- PROVIDE AND INSTALL SCHEDULED ROOFTOP UNITARY UNIT. PROVIDE A COMPLETE 14-INCH CURB SYSTEM AND COORDINATE ROOFING INSTALLATION. PROVIDE DUCTWORK CONNECTIONS INDICATED TO COMPLETE THE UNIT WITH A CONCENTRIC DIFFUSER WITH A PERIMETER DISCHARGE AND CENTER RETURN. PROVIDE COMPLETE DDC CONTROL SYSTEM AND COORDINATE POWER CONNECTION TO UNIT. PROVIDE GRAPHIC UPDATES OF THE AUTOMATED LOGIC SYSTEM FOR OPERATION THROUGH THE ROBSTOWN ISD FACILITIES OFFICE. INSTALL AND CONNECT CONDENSATE SYSTEMS.
- PROVIDE AND INSTALL SCHEDULED ROOFTOP UNITARY UNIT. PROVIDE A COMPLETE 14-INCH CURB SYSTEM AND COORDINATE ROOFING INSTALLATION. PROVIDE DUCTWORK CONNECTIONS INDICATED TO COMPLETE THE DUCTWORK CONNECTIONS TO THE UNIT. PROVIDE COMPLETE DDC CONTROL SYSTEM AND COORDINATE POWER CONNECTION TO UNIT. PROVIDE GRAPHIC UPDATES OF THE AUTOMATED LOGIC SYSTEM FOR OPERATION THROUGH THE ROBSTOWN ISD FACILITIES OFFICE. INSTALL AND CONNECT CONDENSATE SYSTEMS.
- PROVIDE ALL CONTROL WIRING AND REMOTE SENSORS AS INDICATED. PROVIDE PROGRAMMING FOR THE DIRECT DIGITAL CONTROLS INCLUDING GRAPHICS FOR THE HEAD-IN SYSTEM. ALL INDICATED HVAC SYSTEMS SHALL BE CONTROLLABLE REMOTELY THROUGH THE DDC SYSTEM, AUTOMATED LOGIC, AT THE ROBSTOWN ISD MAINTENANCE FACILITIES.
- PROVIDE COMPLETE HANGING SUSPENSION SUPPORT SYSTEM FOR CEILING MOUNTED AIR HANDLER UNITS. THE UNIT SHALL BE SUPPORTED BY A MINIMUM OF THREE JOISTS. PROVIDE 4X4X5/16 ANGLE IRON AS REQUIRED FOR BRIDGING BETWEEN JOY SYSTEMS. PROVIDE ALL THREAD HANGERS A MINIMUM OF FOUR PER DETAIL, MINIMUM DIAMETER 1/2 INCH. PROVIDE ISOLATION AS REQUIRED.
- PROVIDE THE CURB UNIT FOR THE EXHAUST FAN SYSTEM. CURBS SHALL BE CONNECTED TO THE FACILITY UTILIZING STRAPS INDICATED AND DETAILS TO MAINTAIN WINDSTORM INTEGRITY. WINDSTORM CERTIFICATION SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL POWER PENETRATIONS AND ACCESS TO THE FAN SYSTEM SHALL BE THROUGH THE CURB. NO PENETRATIONS OF THE FAN BASE OR ANY OTHER STRUCTURE CONNECTING THE INTERIOR OF THE BUILDING TO THE EXTERIOR THE BUILDING ARE ALLOWED. PROVIDE POWER AND CONTROL THE FAN SYSTEMS AS INDICATED.
- LOCKER ROOM FAN SYSTEMS SHALL BE CONTROLLED SUCH THAT THEY ONLY OPERATE WHEN THE RTU'S IN THE LOCKER ROOM ARE OPERATING. SYSTEMS SHALL BE CONTROLLED SUCH THAT FANS DO NOT CAUSE UNTREATED AIR TO ENTER THE BUILDING THROUGH NEGATIVE PRESSURE GENERATED WITH THE AIR HANDLER MAKEUP SYSTEM IN OPERABLE.
- RESTROOM FAN SYSTEMS SHALL BE WIRED TO THE LIGHTING SWITCHES SUCH THAT FANS DO NOT OPERATE WHEN THE RESTROOM IS UNOCCUPIED.

LOCKER ROOM FAN SCHEDULE									
MARK	FAN DATA				FAN REQUIREMENTS			UNIT DATA	
	TOTAL C.F.M.	EXT. S.P. IN W.G.	EST. FAN EFF.	MIN MOTOR H.P.	VOLTAGE PHASE HERTZ	DRIVE TYPE	TYPE	MAX. ALLOWABLE SOUND LEVEL	POWER DAMPER REQUIRED
BF-1	375	0.5	30.0%	0.10	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-2	375	0.5	30.0%	0.10	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-3	275	0.5	30.0%	0.07	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-4	100	0.5	30.0%	0.03	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-5	100	0.5	30.0%	0.03	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-6	225	0.5	30.0%	0.06	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-7	300	0.5	30.0%	0.08	120/1/60	DIRECT	DOWN BLAST	10	Yes
BF-8/9	375	0.5	30.0%	0.10	120/1/60	DIRECT	DOWN BLAST	10	Yes
TF-1	1.75	0.7	30.0%	0.00	120/1/60	BELT	DOWN BLAST	0.5	No
TOTALS	375	0.5	30.0%	0.10				10.0	

ROOFTOP UNIT SCHEDULE - DX - ELECTRIC HEAT																									
		FAN SECTION						COOLING COIL										PSYCHOMETRICS				HEATING REQUIREMENT			
MARK	VAV UNIT	TOTAL C.F.M.	O.A. C.F.M.	EXT. S.P. IN W.G.	EST. FAN EFF.	MIN MOTOR H.P.	VOLTAGE PHASE HERTZ	TOTAL CAPACITY MBUHR	SENS. CAPACITY MBUHR	E.D.B. DEG F	E.W.B. DEG F	L.D.B. DEG F	L.W.B. DEG F	OA DRY BULB	OA WET BULB	PRESS. ATMOS. PSIG	ENT. ENTHALPY	LEAV. ENTHALPY	MINIMUM ROWS	MAXIMUM FIN SPACING NO./IN.	MIN FACE AREA FT^2	MBUHR	KW HEAT	EAT	LAT
RTU-1	No	1000	390	0.7	32.0%	1/3	480/3/60	50.10	30.02	82.8	69.3	55.0	54.0	95.0	80.0	14.2	33.931	22.909	4	12	2.2	27.00	7.91	65	90
RTU-2	No	800	310	0.7	32.0%	2/7	480/3/60	39.94	23.98	82.8	69.3	55.0	54.0	95.0	80.0	14.2	33.894	22.909	4	12	1.8	21.60	6.33	65	90
RTU-3	No	1490	225	0.9	32.0%	2/3	480/3/60	51.60	37.04	78.0	65.1	55.0	54.0	95.0	80.0	14.2	30.528	22.909	4	12	3.3	40.23	11.79	65	90
RTU-4	No	2100	550	1.0	32.0%	1	480/3/60	87.41	57.24	80.2	67.1	55.0	54.0	95.0	80.0	14.2	32.067	22.909	4	12	4.7	56.70	16.61	65	90
RTU-5	No	1000	200	0.7	32.0%	1/3	480/3/60	37.68	25.92	79.0	66.0	55.0	54.0	95.0	80.0	14.2	31.199	22.909	4	12	2.2	27.00	7.91	65	90
RTU-6	No	1000	200	0.7	32.0%	1/3	480/3/60	37.68	25.92	79.0	66.0	55.0	54.0	95.0	80.0	14.2	31.199	22.909	4	12	2.2	27.00	7.91	65	90
RTU-7	No	1000	390	0.7	32.0%	1/3	480/3/60	50.10	30.02	82.8	69.3	55.0	54.0	95.0	80.0	14.2	33.931	22.909	4	12	2.2	27.00	7.91	65	90
RTU-8	No	800	310	0.7	32.0%	2/7	480/3/60	39.94	23.98	82.8	69.3	55.0	54.0	95.0	80.0	14.2	33.894	22.909	4	12	1.8	21.60	6.33	65	90
RTU-9	No	1000	300	0.7	32.0%	1/3	480/3/60	44.10	28.08	81.0	67.8	55.0	54.0	95.0	80.0	14.2	32.611	22.909	4	12	2.2	27.00	7.91	65	90
TOTALS		10190	2875	0.8	0.3	3.96		438.56	282.20	80.9	67.7	55.0	54.0	95.0	80.0	14.2	293.26	206.18	4.0	12.0	2.5	275.13	80.61	65.0	90.0

DEVIATIONS EXISTING LESS CALCULATED	TOTAL CFM	OA CFM	TONAGE
	10190	2875	36.9

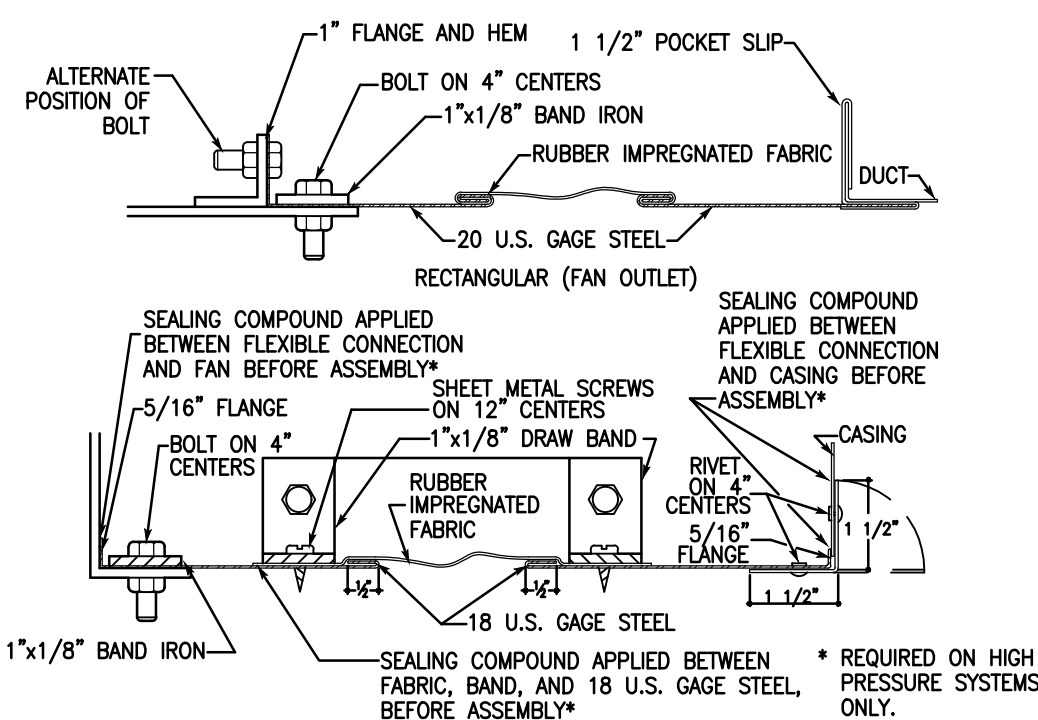
2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



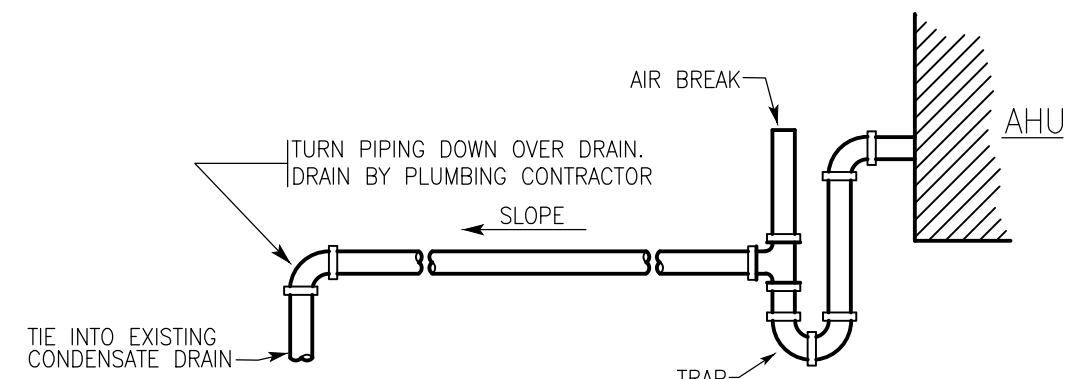
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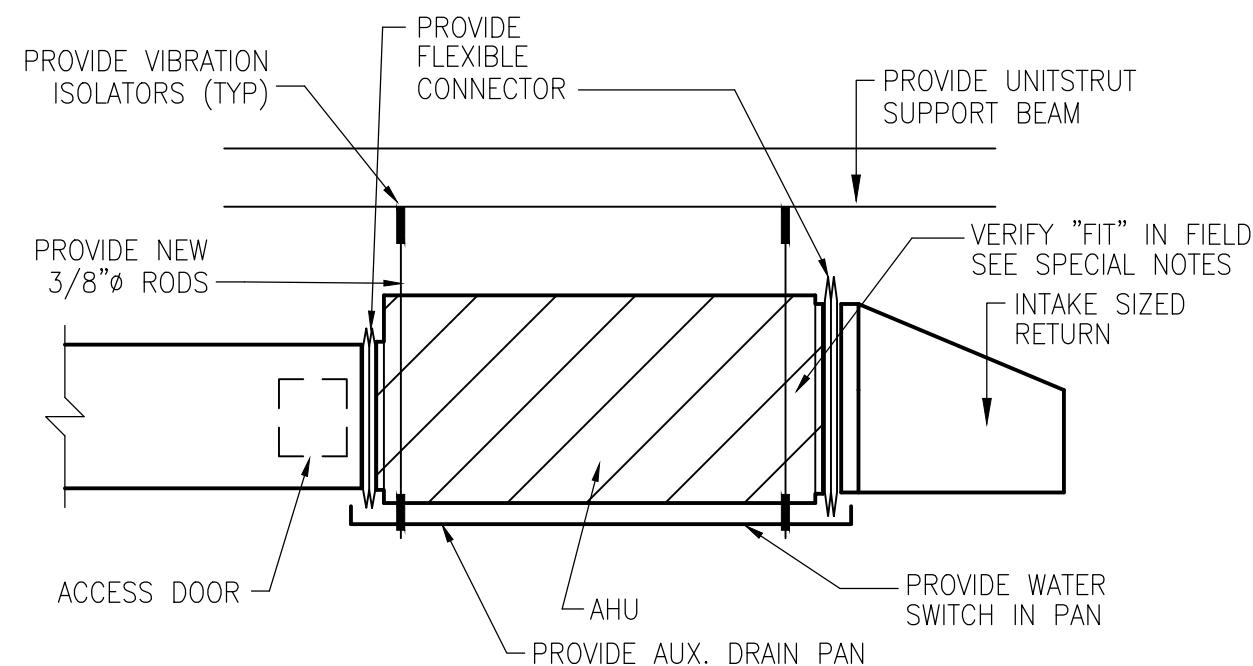
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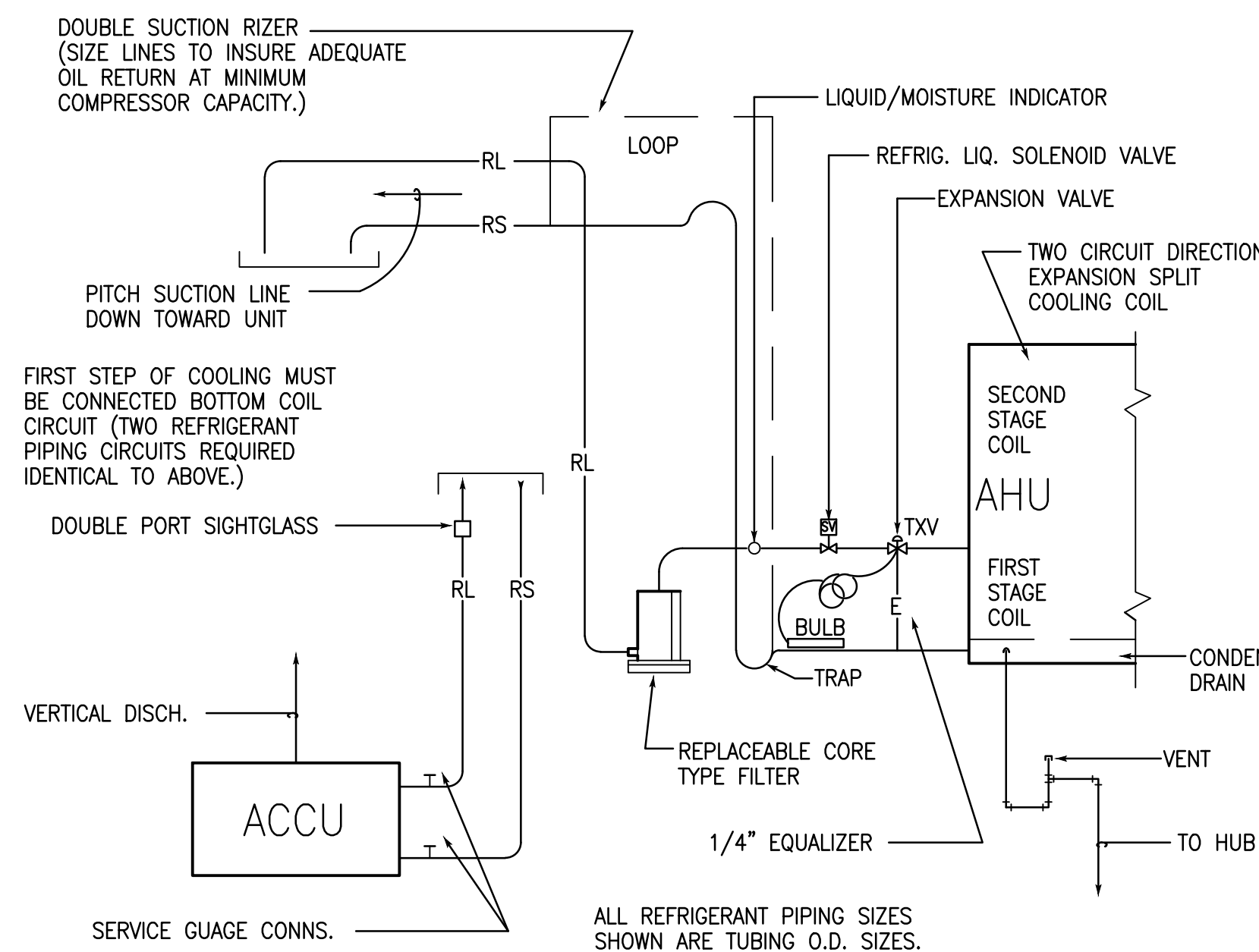
1 FLEXIBLE DUCT CONNECTION



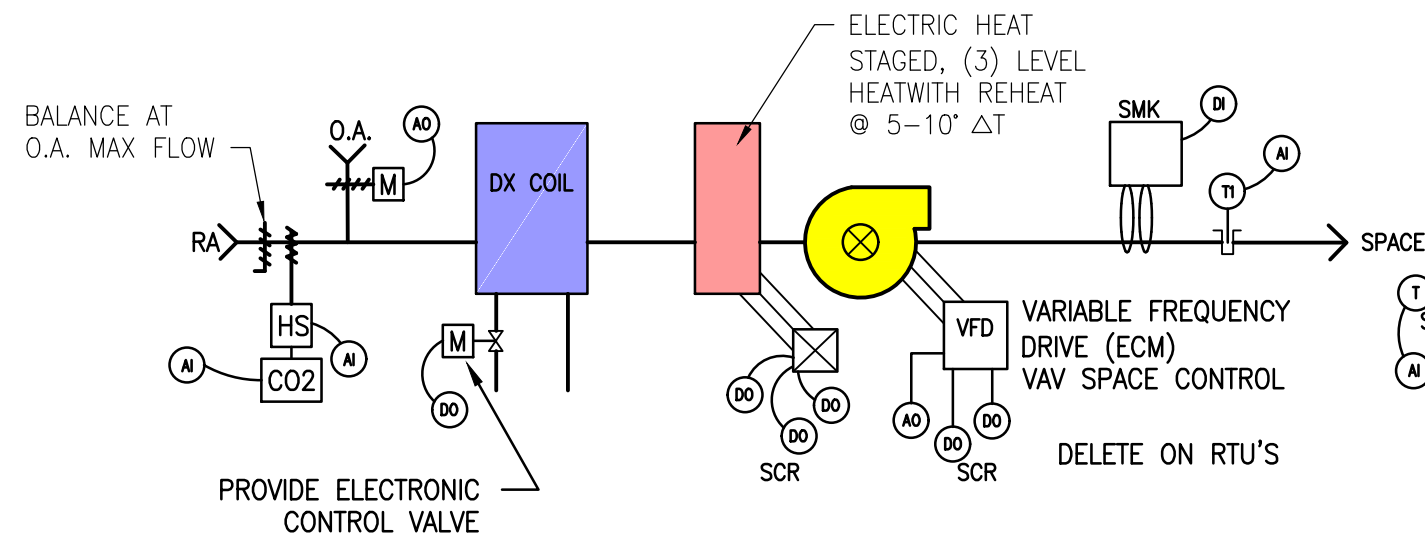
2 DETAIL - CONDENSATE DRAIN



3 TYPICAL SUSPENDED AHU DETAIL



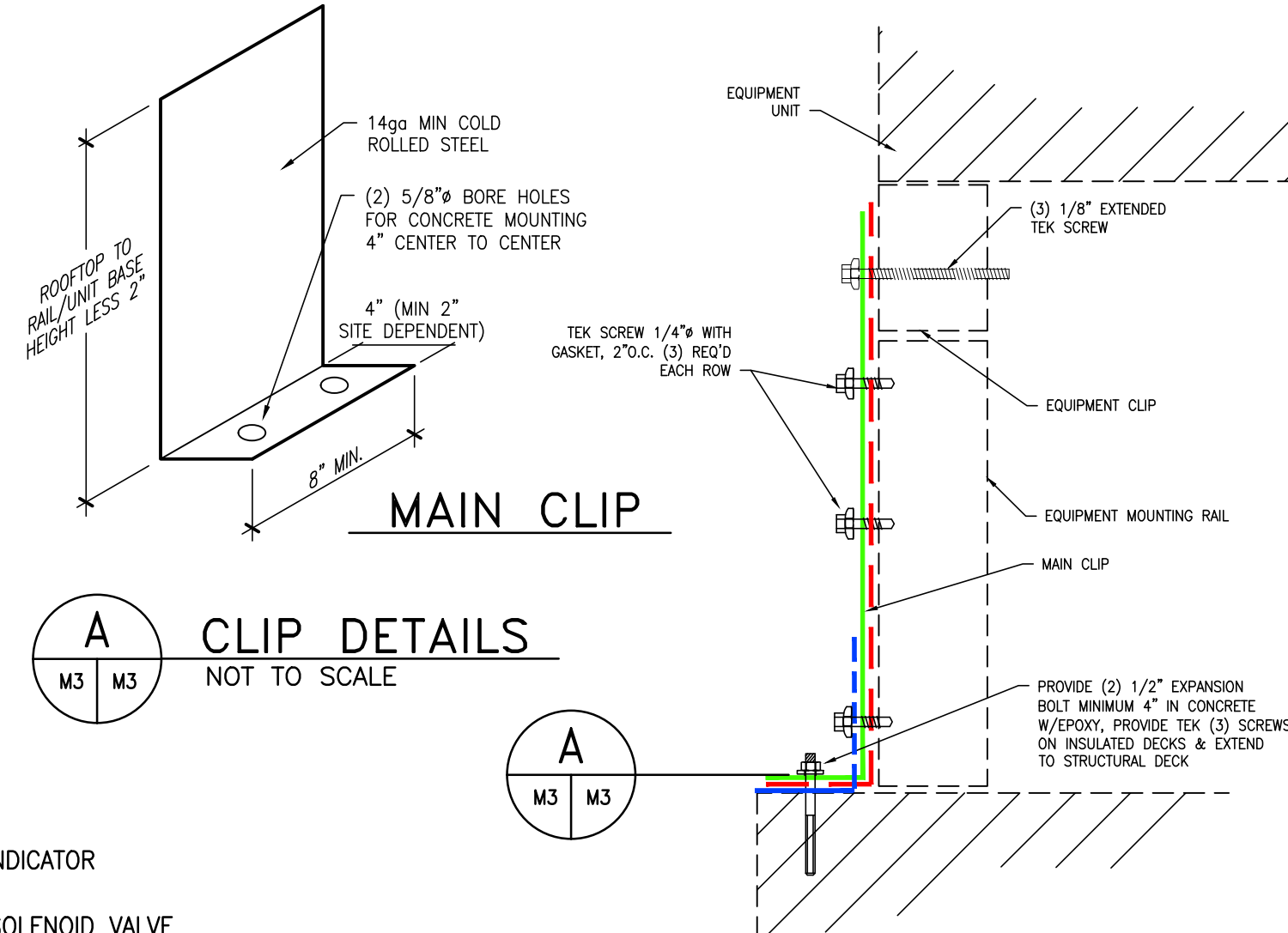
4 REFRIGERANT PIPING DIAGRAM



MODE	FANS	HEAT	OAD	DX COOLING
COOLING MODE DX	REGULATED FOR VARIABLE VOLUME ADJUSTABLE SPACE TEMPERATURE CONTROL CONSTANT VOLUME ON RTU	OFF	CY CLE TO MAINTAIN CO2 BELOW 600 PPM	ON CY CLE TO COOL LEAVING AIR 55 DEG
DEHUMIDIFICATION MODE RH% INITIAL 61%RH OFF @ 54%RH	RAMP FAN TO 50HZ ADJ	ELECTRIC REHEAT 5-10 DEG F TO MAINTAIN SPACE TEMP	NORMALLY CLOSED MAINTAIN CO2 BELOW 600 PPM	ON CY CLE TO COOL LEAVING AIR 55 DEG OR BELOW
HEATING MODE	REGULATED FOR REDUCED (80%) VOLUME OR CY CLE	ON - ELEC HEAT REGULATES TO MAINTAIN SPACE TEMP TO 68-72 DEG F	NORMALLY CLOSED MAINTAIN CO2 BELOW 600 PPM	OFF

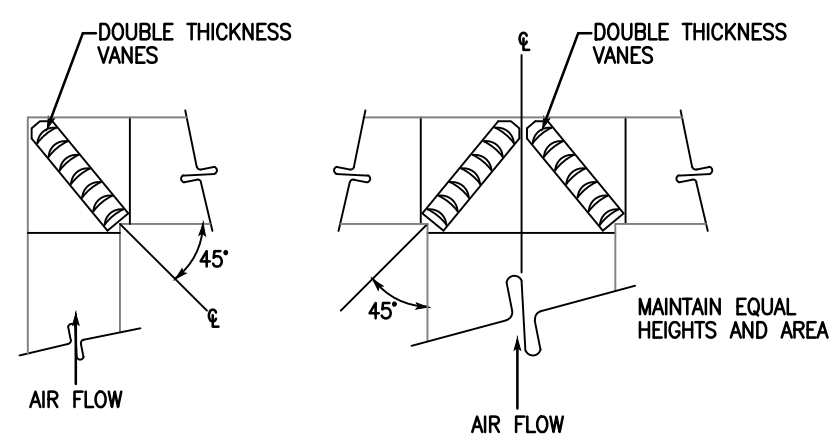
- UNIT CONTROLLER SHALL REGULATE VARIABLE VOLUME OUTPUT (VFD) TO MAINTAIN SPACE TEMPERATURE BASED ON INPUT FROM "T-SP"
- SENSOR T1 INPUT SHALL BE UTILIZED TO REGULATE DX COIL CAPACITY TO MAINTAIN LEAVING AIR TEMPERATURES AS FOLLOWS:
COOLING CYCLE - 55°F
DEHUMIDIFICATION CYCLE - 55°F OUTPUT, REHEAT FROM 55°F
- START AND STOP- DEHUMIDIFICATION CYCLE BASED ON "HS" HUMIDITY SENSOR OUTPUT. MAINTAIN ASHRAE-15 CONDITIONS, HUMIDITY SET POINT 60% RH MAX
- START HEAT CYCLE AT AMBIENT TEMPERATURES BELOW 55°F ADJ. HEAT DISCHARGE AIR TO 90-95°F REGULATE SPACE TEMP THROUGH ELECTRIC HEAT & TSP.
- DURING UNOCCUPIED SCHEDULE, UNIT TO MAINTAIN 78°F SET BACK COOLING. ADJUST VFD OR FAN TO MINIMUM FLOW THAT WILL SUPPORT DX COILS.
- PROVIDE CONNECTION & GRAPHICS UPDATE TO EXISTING DDC TO PROVIDE OWNER WITH COMPLETE ACCESS AND UNIT CONTROL

5 DIAGRAM - DDC CONTROLS-DX UNITS

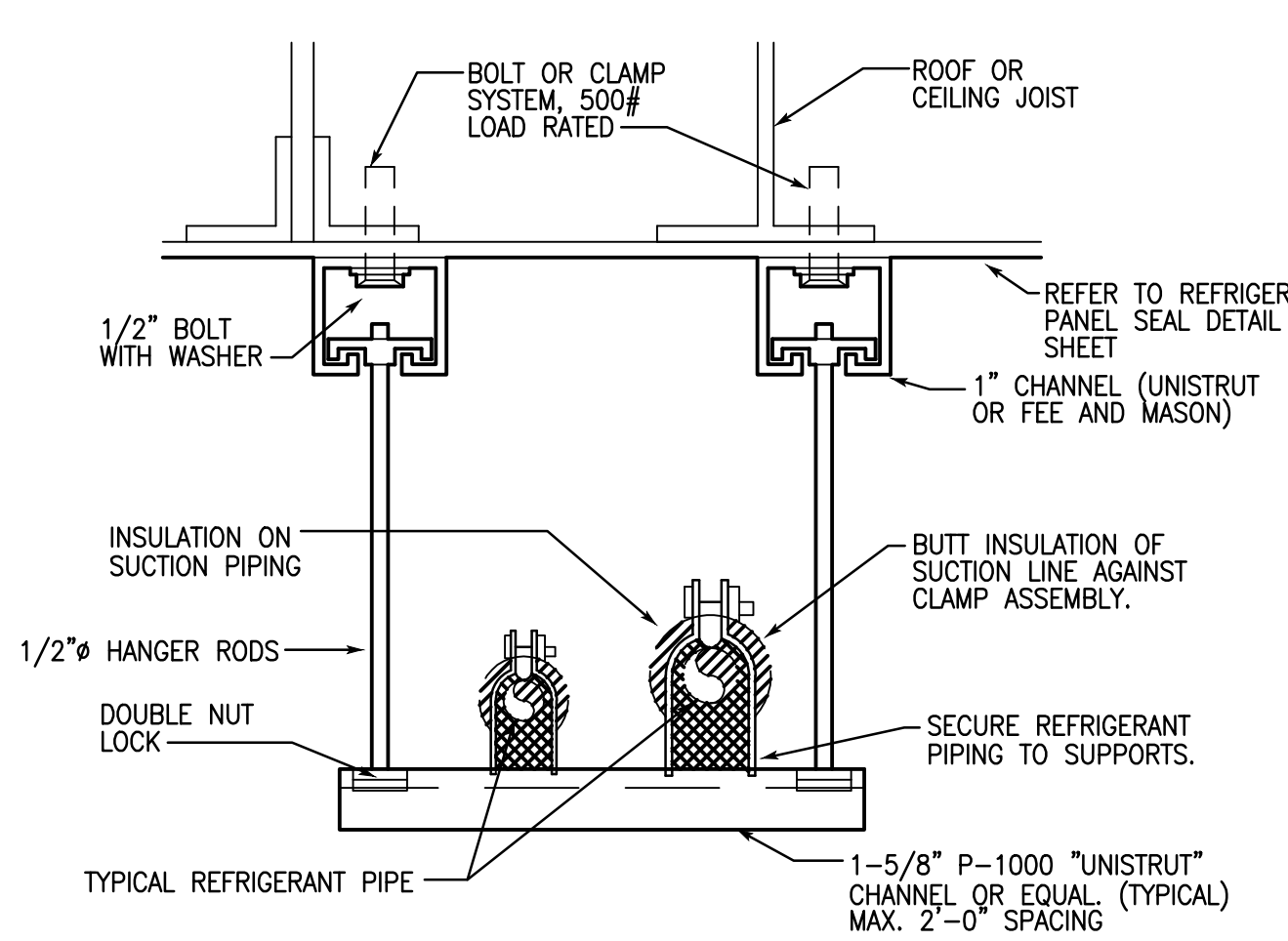


BRIDGE LENGTH	ANGLE IRON	ANCHOR
0'-4'	3x3x3/16"	(2) 5/8" BOLTS
4'-6'	4x4x5/16"	WELD OR (2) 3/4" BOLTS
6'-10'	6x6x1/2"	WELD OR (4) 3/4" BOLTS

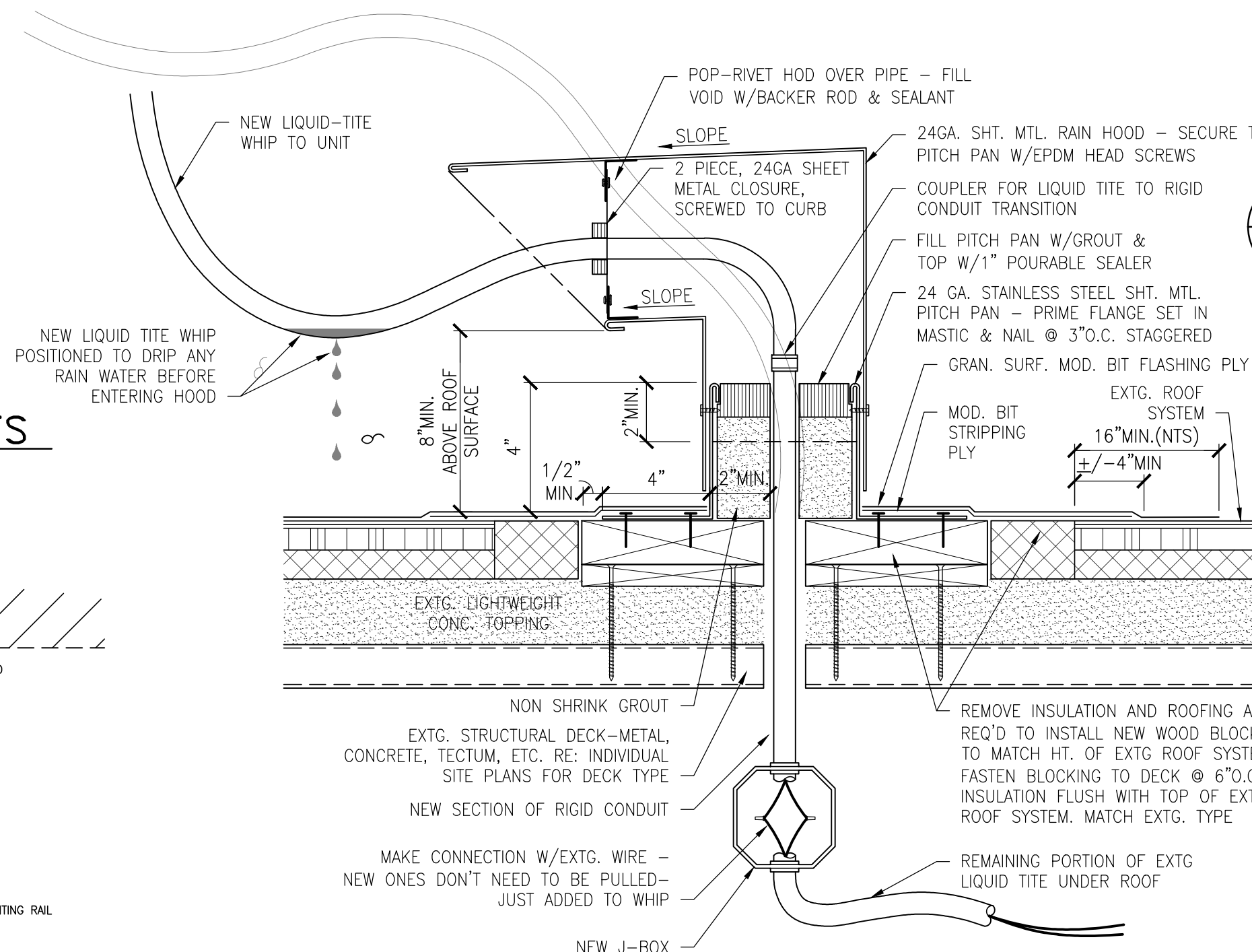
6 DETAIL - UNIT DIRECTLY TO CURB



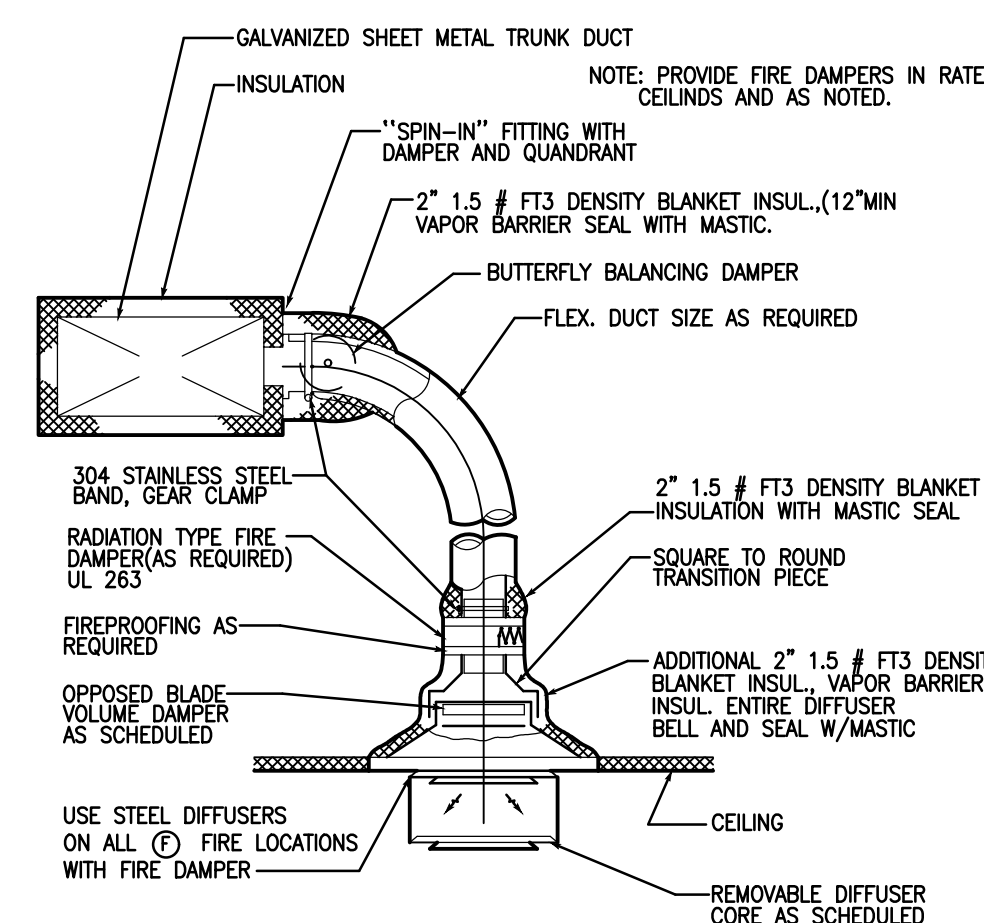
11 RETANGULAR DUCT ELBOW & TEE



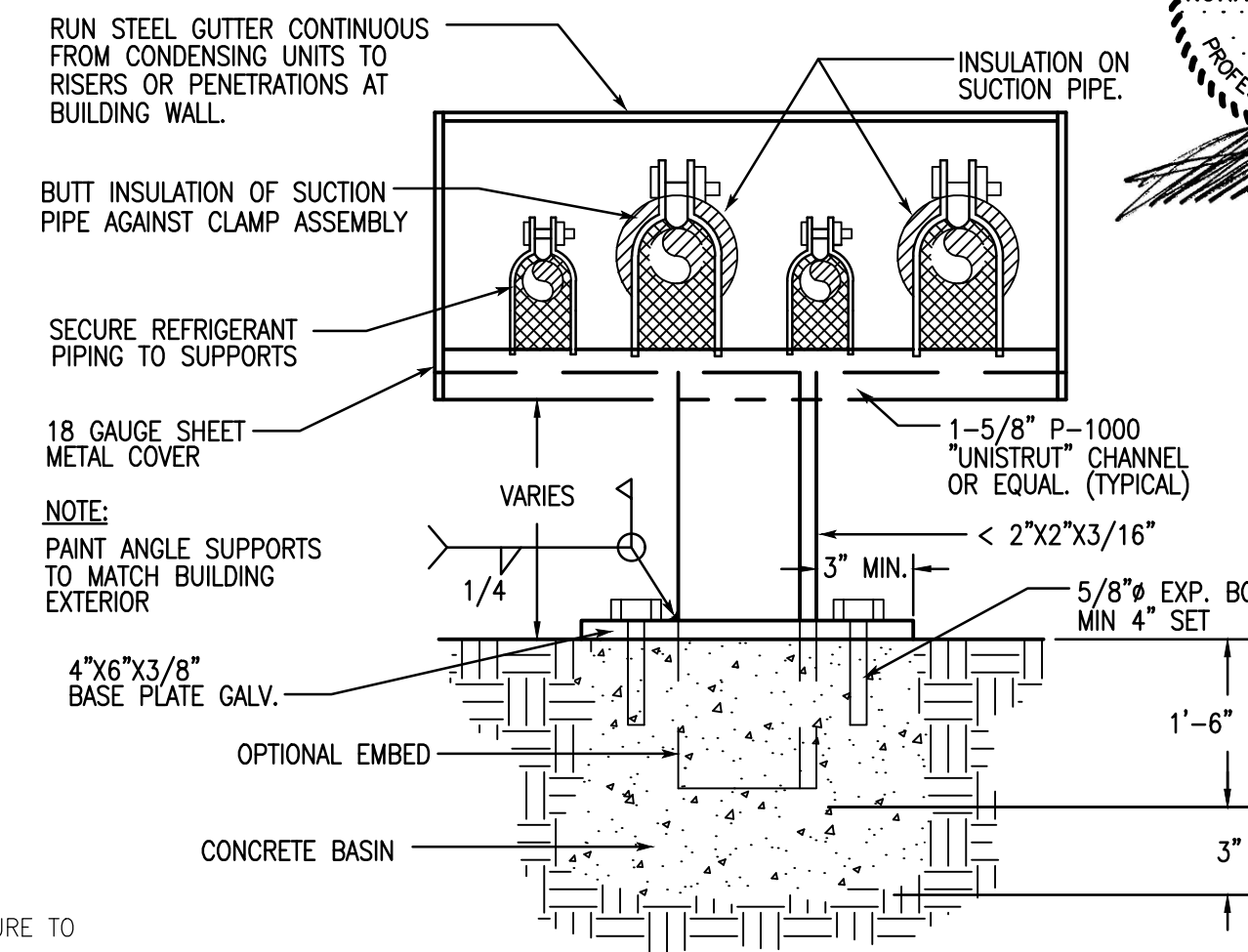
7 REFRIGERANT PIPING SUPPORT AT CEILING



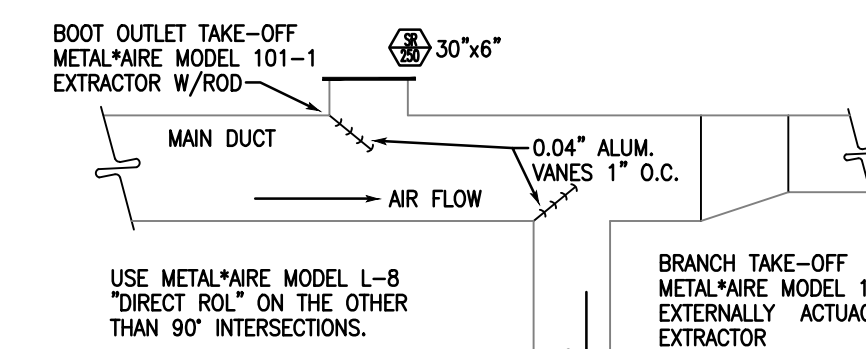
8 HOODED PITCH PAN W/ J-BOX CONNECTION



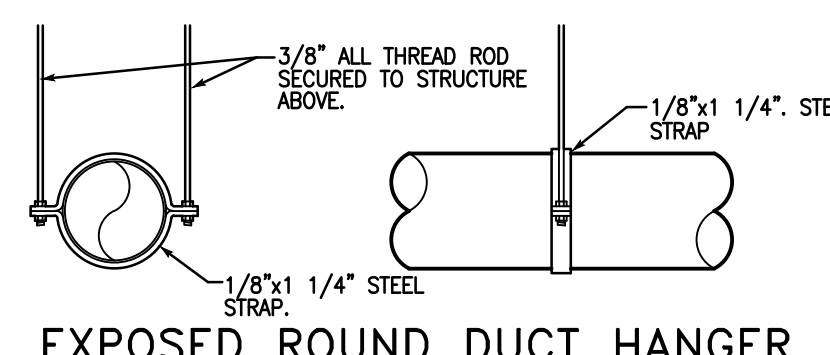
12 DETAIL - CEILING DIFFUSER



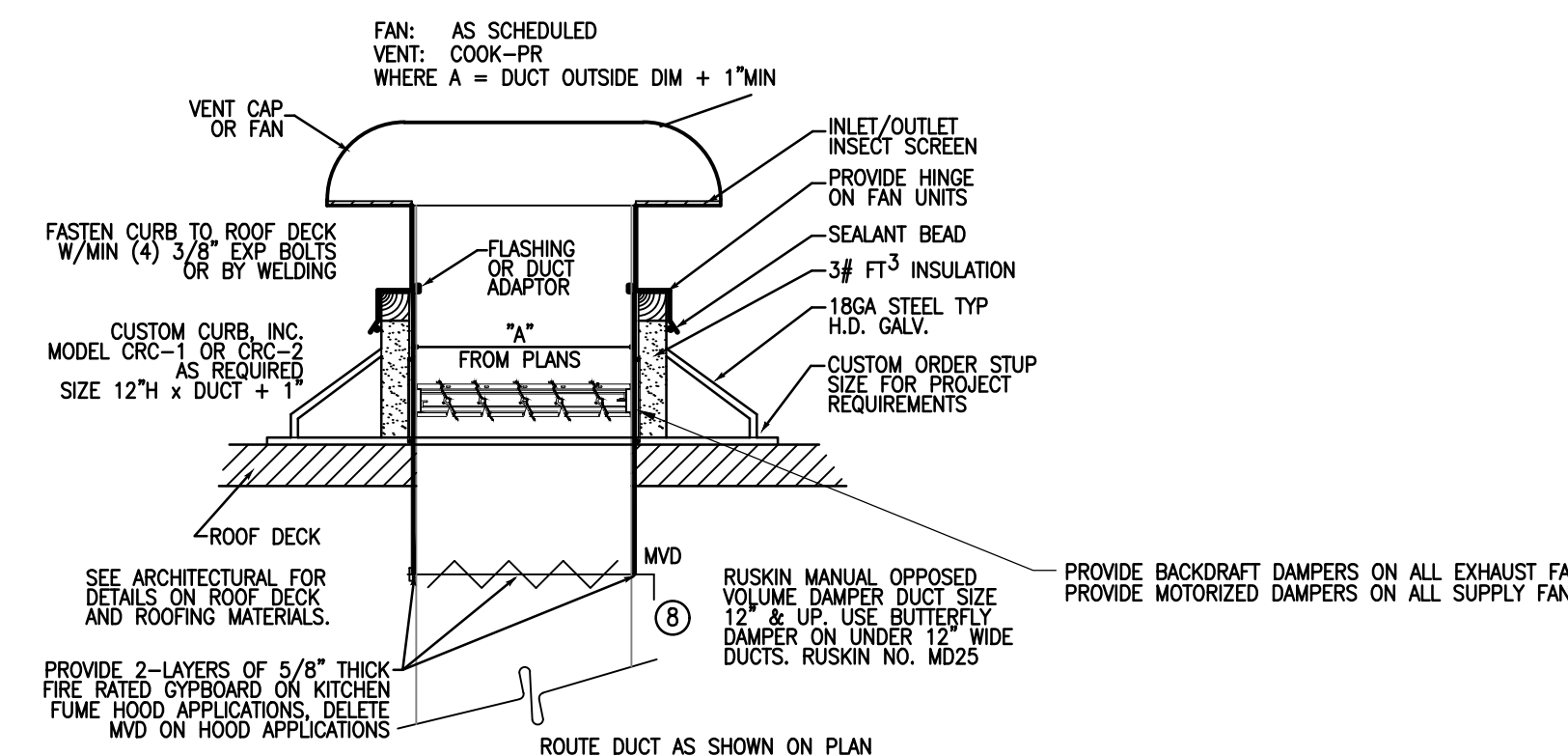
9 EXTERIOR REFRIGERANT PIPE SUPPORT



10 REGISTER OR BRANCH DUCT EXTRACTOR



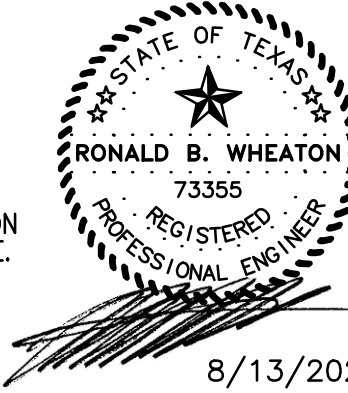
14 CONCEALED ROUND DUCT HANGER



13 DETAIL - VENT W/ ROOF CAP (OR FAN)



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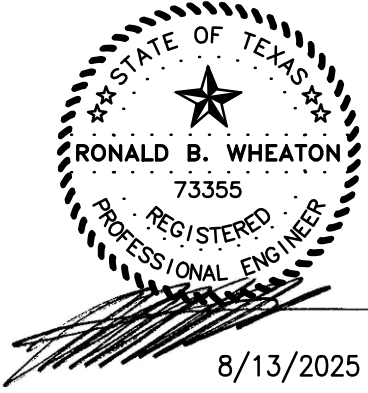


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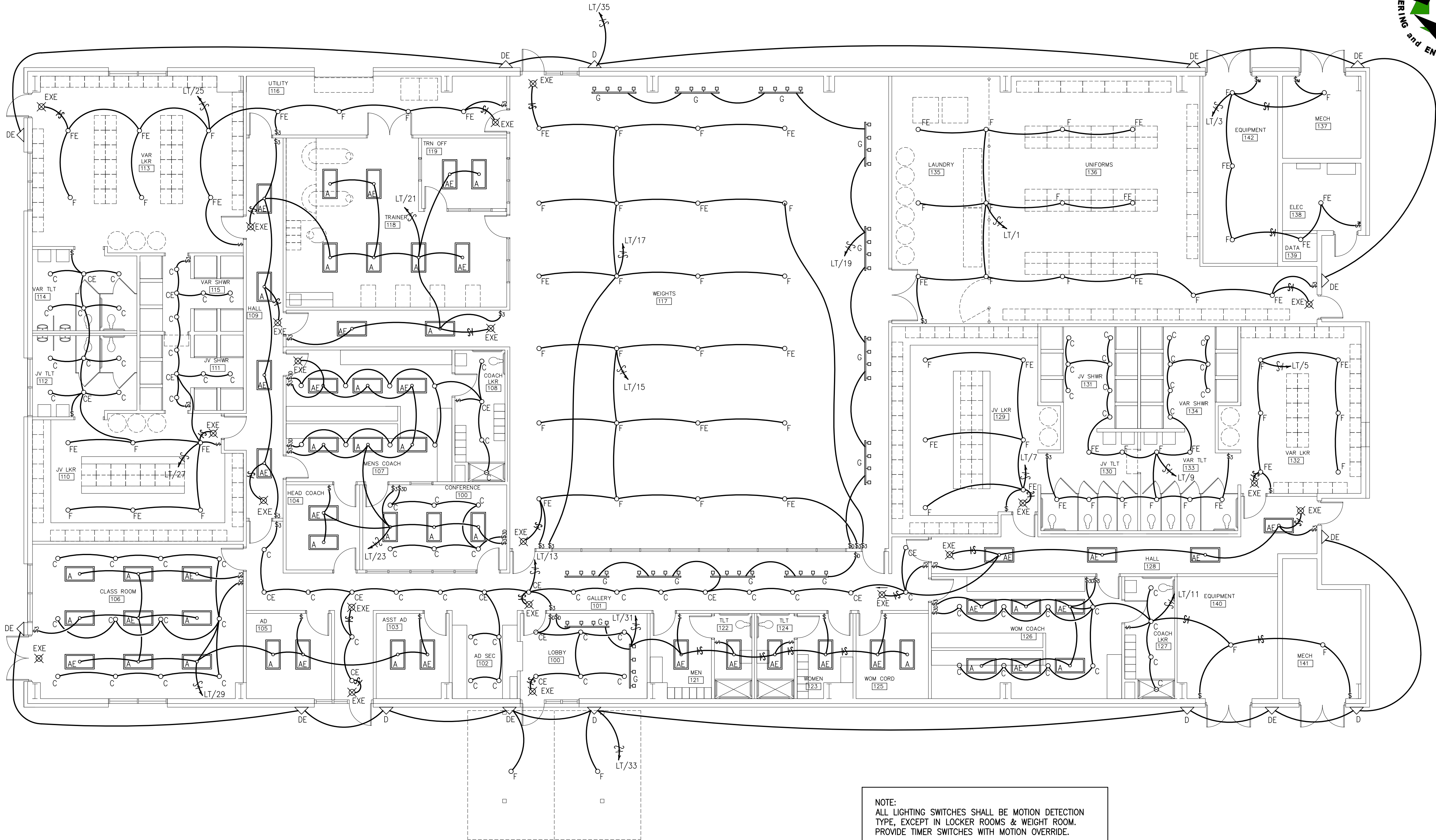
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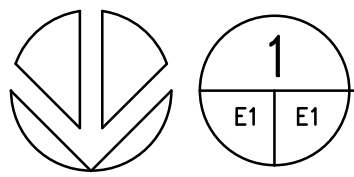
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NOTE:
ALL LIGHTING SWITCHES SHALL BE MOTION DETECTION
TYPE, EXCEPT IN LOCKER ROOMS & WEIGHT ROOM.
PROVIDE TIMER SWITCHES WITH MOTION OVERRIDE.



FIELD HOUSE – ELECTRICAL LIGHTING PLAN
SCALE: 1/8"=1'-0"

LIGHT FIXTURE SCHEDULE		
A	COST LESS LIGHTING 05-LEDPNL2x4-50W-35K	2X4 PLAIN
B	COST LESS LIGHTING 05-CB24-6L-LKFS / 43W / 35K	2X4 CENTER BASKET
C	COST LESS LIGHTING 11-6C-LED-NIC-NND w/ 11-MODR6-10L-KFS 14W/35K trim	6" CAN 35K
D	LITHONIA: WSR-P4-40K-SR4-MVOLT-DOBXD	EXT 1/2 CIRCLE SCONCE
DE	LITHONIA: WSR-P4-40K-SR4-MVOLT-DOBXD W BATT EMER	EXT 1/2 CIRCLE SCONCE W/ EMER
E	COST LESS LIGHTING 04-RHLED DOUBLE HEAD	EMERGENCY SPOT
EXE	COST LESS LIGHTIN 04-CEM RED ON WHITE	EXIT W/ EMERGENCY SPOTS
F	COST LESS LIGHTING 07-HBRSR-353024L-LKFS / 229W / 4K	13" ROUND HIGH BAY PENDANT
G	LITHONIA LTKMSBK	LED TRACK LIGHTING

PANEL LT														200 AMP, M.C.B., 120Y208V, 3PH, 4W, SURFACE, NEMA 1, 45 KAIC																													
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #																															
1	135/136 LTS	3206	3/4" C, 2-#10, 1-#12G	30/1	A			20/1	3/4" C, 2-#12, 1-#12G	800	LOBBY PLGS	2																															
3	137-139, 142 LTS	1334	3/4" C, 2-#12, 1-#12G	20/1		B		20/1	3/4" C, 2-#12, 1-#12G	800	RP 121-124 PLGS	4																															
5	132 LTS	1334	3/4" C, 2-#12, 1-#12G	20/1			C	20/1	3/4" C, 2-#12, 1-#12G	800	125, 126 PLGS	6																															
7	129 LTS	1334	3/4" C, 2-#12, 1-#12G	20/1	A			20/1	3/4" C, 2-#12, 1-#12G	800	127, 140, 141 PLGS	8																															
9	130-134 LTS	2486	3/4" C, 2-#10, 1-#12G	30/1		B		20/1	3/4" C, 2-#12, 1-#12G	800	103 PLGS	10																															
11	126, 127, 140, 141 LTS	940	3/4" C, 2-#12, 1-#12G	20/1			C	20/1	3/4" C, 2-#12, 1-#12G	1000	105, 106 PLGS	12																															
13	101-102 LTS	908	3/4" C, 2-#12, 1-#12G	20/1	A			20/1	3/4" C, 2-#12, 1-#12G	800	111, 112, 114, 115 PLGS	14																															
15	117 N LTS	2748	3/4" C, 2-#10, 1-#12G	30/1		B		20/1	3/4" C, 2-#12, 1-#12G	800	100, 104 PLGS	16																															
17	117 S LTS	2748	3/4" C, 2-#10, 1-#12G	30/1			C	20/1	3/4" C, 2-#12, 1-#12G	800	107, 108 PLGS	18																															
19	117 TRAK LTS	700	3/4" C, 2-#12, 1-#12G	20/1	A			20/1	3/4" C, 2-#12, 1-#12G	1100	118 TRAIN PLGS	20																															
21	118 LTS	700	3/4" C, 2-#12, 1-#12G	20/1		B		20/1	3/4" C, 2-#12, 1-#12G	1100	116, 117, 119 PLGS	22																															
23	100, 104, 107, 108 LTS	746	3/4" C, 2-#12, 1-#12G	20/1			C	20/1	3/4" C, 2-#12, 1-#12G	1000	WEIGHT, 101 NE PLGS	24																															
25	113, 116 LTS	2290	3/4" C, 2-#10, 1-#12G	25/1	A			20/1	3/4" C, 2-#12, 1-#12G	1000	WEIGHT NW PLGS	26																															
27	110-112, 114, 115 LTS	1682	3/4" C, 2-#10, 1-#12G	20/1		B		20/1	3/4" C, 2-#12, 1-#12G	1000	WEIGHT SW PLGS	28																															
29	103, 105, 106 LTS	818	3/4" C, 2-#12, 1-#12G	20/1			C	20/1	3/4" C, 2-#12, 1-#12G	1000	WEIGHT S PLGS	30																															
31	100, 121-125 LTS	584	3/4" C, 2-#12, 1-#12G	20/1	A			20/1	3/4" C, 2-#12, 1-#12G	800	UTILITY AREA PLGS	32																															
33	FRONT EXT LTS	900	3/4" C, 2-#12, 1-#12G	20/1		B		20/1	3/4" C, 2-#12, 1-#12G	1100	LAUNDRY PLGS	34																															
35	REAR EXT LTS	300	3/4" C, 2-#12, 1-#12G	20/1			C	20/1	3/4" C, 2-#12, 1-#12G	800	129-133 PLGS	36																															
37	IT DATA	1000	3/4" C, 2-#12, 1-#12G	20/1	A							38																															
39	IT DATA	1000	3/4" C, 2-#12, 1-#12G	20/1		B						40																															
41							C					42																															
CONNECTED LOAD = 44058 VA														PHASE A = 15322 VA										PHASE B = 16450 VA										PHASE C = 12286 VA									
CONNECTED LOAD = 122.38 AMPS																																											

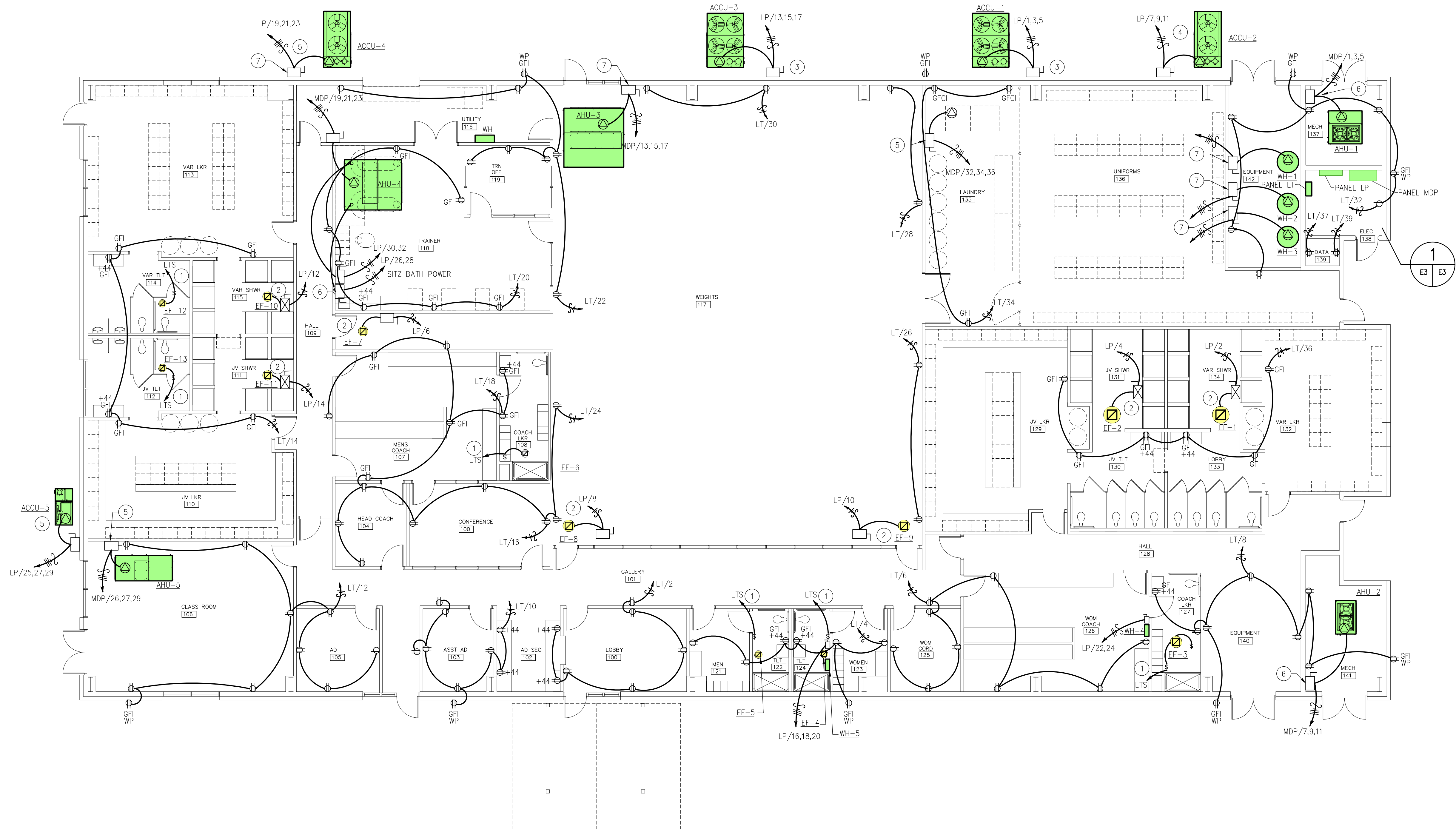
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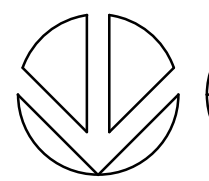


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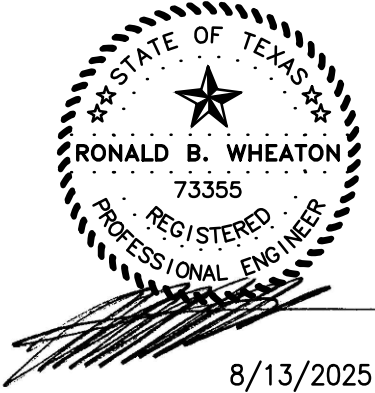


 **1** FIELD HOUSE - ELECTRICAL POWER PLAN
SCALE: 1/8"=1'-0"

- KEYNOTES: 
1. PROVIDE 120V. MOTOR RATED SWITCH, NEMA-3R, FAN DISCONNECT, WIRE POWER TO LTS SWITCH. PROVIDE 2-POLE, 120/1/60 LIGHTING CONTROL SWITCH.
 2. PROVIDE 120/1/60, NEMA-3R, 20 AMP, COMBINATION STARTER, EXTEND AUX CONTROL TO DDC SYSTEM, COORDINATE WITH MECHANICAL. PROVIDE SEAL TITE WHIP TO UNIT, REFER TO DETAILS. CONTROL WITH ASSOCIATED AHU.
 3. PROVIDE NEMA-3R, 200 AMP DISCONNECT SWITCH. 208/3/60, PROVIDE SEAL TITE WHIP TO UNIT. PROVIDE UNISTRUCT MOUNT TO BUILDING WALL.
 4. PROVIDE NEMA-3R, 100 AMP DISCONNECT SWITCH. 208/3/60, PROVIDE SEAL TITE WHIP TO UNIT. PROVIDE UNISTRUCT MOUNT TO BUILDING WALL.
 5. PROVIDE 208/3/60, NEMA-1, 30 AMP DISCONNECT SWITCH. PROVIDE SEAL TITE WHIP TO UNIT, UNISTRUCT MOUNT SWITCH.
 6. PROVIDE NEMA-1, 30 AMP DISCONNECT SWITCH 208/3/60, PROVIDE CONDUIT AND GREENFIELD WHIP TO UNIT. PROVIDE WALL MOUNT.
 7. PROVIDE NEMA-1, 200 AMP DISCONNECT SWITCH 208/3/60, PROVIDE GREENFIELD WHIP TO UNIT. PROVIDE WALL MOUNT.



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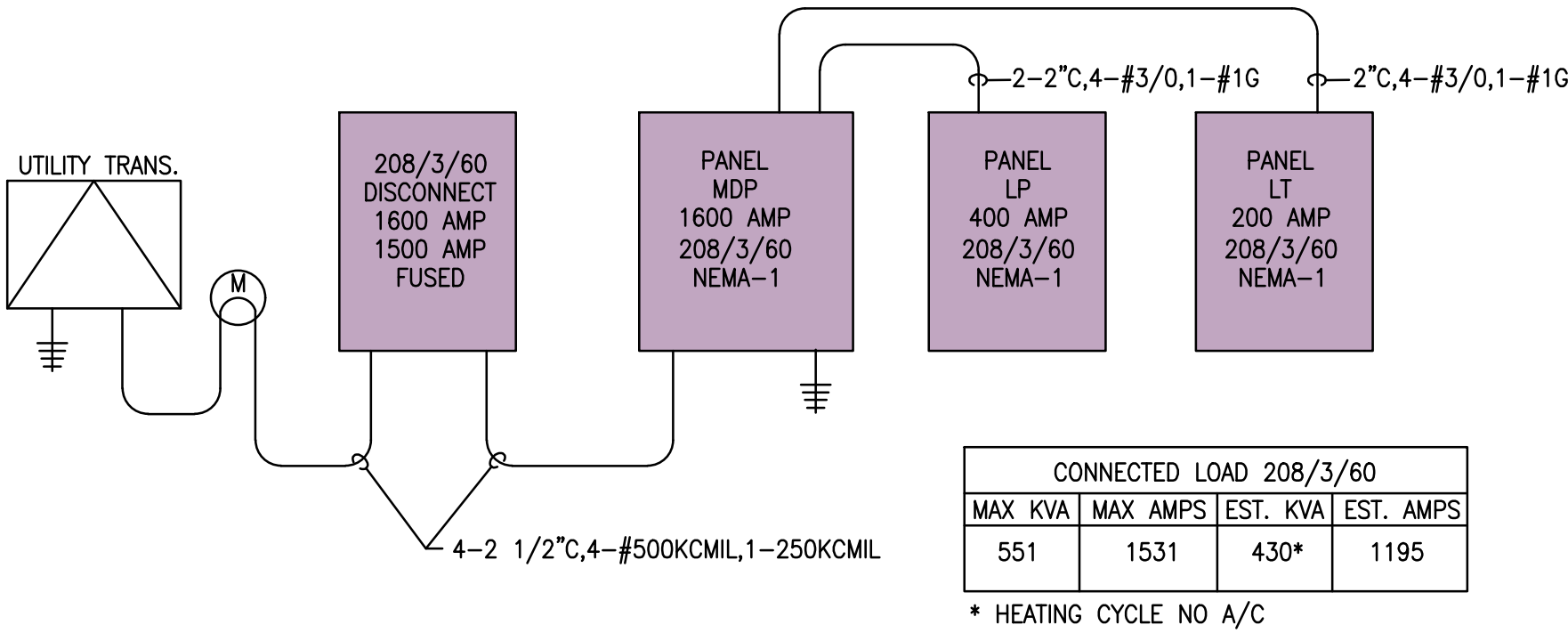


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PANEL 'LP'											
400 AMP, M.C.B., 120Y208V, 3PH, 4W, SURFACE, NEMA 1, 65 KAIC											
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED
1		12690		150/3	A			20/1	3/4"C, 2-#12, 1-#12G	500	EF-1
3	ACCU-1	12690	1 1/2"C, 4-1/0, 1-#3G	150/3	B			20/1	3/4"C, 2-#12, 1-#12G	500	EF-2
5		12690			C			20/1	3/4"C, 2-#12, 1-#12G	300	EF-7
7		6500			A			20/1	3/4"C, 2-#12, 1-#12G	400	EF-8
9	ACCU-2	6500	1 1/4"C, 4-#4, 1-#10G	80/3	B			20/1	3/4"C, 2-#12, 1-#12G	400	EF-9
11		6500			C			20/1	3/4"C, 2-#12, 1-#12G	300	EF-10
13		10390			A			20/1	3/4"C, 2-#12, 1-#12G	300	EF-11
15	ACCU-3	10390	1 1/2"C, 4-#1, 1-#4G	125/3	B			-		5000	
17		10390			C			50/3	3/4"C, 3-#8, 1-#12G	5000	WH-5
19		7230			A			-		5000	
21	ACCU-4	7230	1 1/2"C, 4-#1, 1-#4G	125/3	B			-		3600	
23		7230			C			40/2	3/4"C, 2-#8, 1-#12G	3600	WH-4
25		2160			A			-		1500	
27	ACCU-5	2160	3/4"C, 4-#10, 2-#12G	30/3	B			30/2	3/4"C, 3-#10, 1-#12G	1500	SITZ BATH
29		2160			C			-		1500	
31					A			30/2	3/4"C, 3-#10, 1-#12G	1500	SITZ BATH
33					B						
35					C						
37					A						
39					B						
41					C						
CONNECTED LOAD = 147810 VA PHASE A = 48170 VA PHASE B = 49970 VA PHASE C = 49670 VA											
CONNECTED LOAD = 410.58 AMPS											

PANEL 'MDP'											
1600 AMP, M.C.B., 120Y208V, 3PH, 4W, SURFACE, NEMA 1, 65 KAIC											
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED
1		1080		15/3	A					49270	2
3	AHU-1	1080	3/4"C, 4-#12, 1-#12G	15/3	B			400/3	2-2"C, 4-#3/0, 1-#1G	49270	PANEL LP
5		1080			C					49270	6
7		1080			A					14690	8
9	AHU-2	1080	3/4"C, 4-#12, 1-#12G	15/3	B			200/3	2"C, 4-#3/0, 1-#1G	14690	PANEL LT
11		1080			C					14690	12
13		19670			A			-	-	18000	14
15	AHU-3	19670	2"C, 4-#2/0, 1-#2G	175/3	B			200/3	2"C, 4-#3/0, 1-#1G	18000	WH-1
17		19670			C			-		18000	18
19		11510			A			-		18000	20
21	AHU-4	11510	1 1/2"C, 4-#1, 1-#4G	125/3	B			200/3	2"C, 4-#3/0, 1-#1G	18000	WH-2
23		11510			C			-		18000	24
25		2040			A			-		18000	26
27	AHU-5	2040	3/4"C, 4-#10, 1-#12G	25/3	B			200/3	2"C, 4-#3/0, 1-#1G	18000	WH-3
29		2040			C			-		18000	30
31		14320			A			-		5000	32
33	EDU-1	14320	2"C, 4-#1/0, 1-#3G	150/3	B			60/3	1"C, 4-#6, 1-#10G	5000	DRYER
35		14320			C			-		5000	36
37		10990			A						38
39	EDU-2	10990	1 1/2"C, 4-#1, 1-#4G	125/3	B						40
41		10990			C						42
CONNECTED LOAD = 550950 VA PHASE A = 183650 VA PHASE B = 183650 VA PHASE C = 183650 VA											
CONNECTED LOAD = 1530.4 AMPS											



1 ONE LINE DIAGRAM
E3 E3 NTS

GENERAL NOTES – ELECTRICAL:
APPLY TO ALL ELECTRICAL DRAWINGS

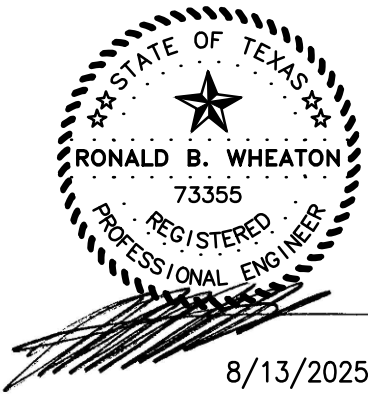
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK UNDER THIS SECTION OF THE CONTRACT IN FULL COMPLIANCE WITH NEC–MOST RECENT EDITION AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE SHALL INFORM THE ARCHITECT/ENGINEER FOR DIRECTION PRIOR TO BIDDING THE JOB. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES AT HIS COST.
- THE ELECTRICAL DISTRIBUTION SYSTEM SIZING IS BASED ON EQUIPMENT DATA FROM THE SPECIFIED SUPPLIER OR A TYPICAL SUPPLIER. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PROVIDING THE CORRECTLY SIZED ELECTRICAL SYSTEM TO MATCH THE REQUIREMENTS OF THE ELECTRICALLY POWERED EQUIPMENT ACTUALLY INSTALLED. USE NEC MINIMUM CONDUIT AND CONDUCTOR SIZE WHERE NOT INDICATED. FIELD VERIFY POWER REQUIREMENT FROM NAMEPLATE DATA.
- THE BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND SHALL FULLY INFORM HIMSELF REGARDING THE FACILITIES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK OR MATERIAL OMITTED FROM BIDDER'S CONTRACT PROPOSAL DUE TO HIS FAILURE TO SO INFORM HIMSELF BY SUCH INVESTIGATION.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECTURAL DRAWINGS, OTHER TRADES, AND VERIFY LOCATION OF ALL EQUIPMENT WITH OWNER OR ARCHITECT BEFORE CONSTRUCTION. FAILURE TO DO SO MIGHT RESULT IN MOVING EQUIPMENT AT NO COST TO OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE, TO THE SATISFACTION OF THE OWNER, ARCHITECT, AND ENGINEER, ANY UTILITIES, MATERIALS, EQUIPMENT, WALLS, FOUNDATIONS, ETC. DAMAGED, DISASSEMBLED, REMOVED OR AFFECTED BY CONSTRUCTION, EXCAVATION, INSTALLATION, REMOVAL, OR ACCIDENT.
- ALL CONDUCTORS SHALL BE COPPER, ROUTED IN CONDUIT WITH SPLICES IN APPROVED ACCESSIBLE JUNCTION BOXES. INSULATION SHALL BE AS THIN, THWN UNLESS OTHERWISE NOTED.
- BRANCH CIRCUITS SHALL BE #12 MINIMUM WITH 1P/20A INVERSE TIME CIRCUIT BREAKERS (REFER TO #2 ABOVE). TWENTY-AMP CIRCUIT RUNS EXCEEDING 100 FEET SHALL BE WITH MINIMUM #10 COPPER CONDUCTORS.
- CONTRACTOR SHALL SIZE CONDUCTORS AS REQUIRED TO MAINTAIN A MAXIMUM VOLTAGE DROP OF 3 PERCENT FROM SERVICE TO DEVICE.
- CONTRACTOR SHALL PROVIDE CIRCUIT CONTINUITY OF ALL BRANCH CIRCUITS AND ACCESSIBLE JUNCTION BOXES WITH SPLICES SO THAT ANY RECEPTACLE, LIGHT, OR DEVICE MAY BE REMOVED WITHOUT INTERRUPTION OF CIRCUIT CONTINUITY.
- ALL INTERIOR CONDUIT SHALL BE NEC MINIMUM SIZE [EMT, ENT,OR NMC] COMPRESSION FITTINGS (EMT), ROUTED PARALLEL OR PERPENDICULAR TO WALLS, NEAR CEILINGS (IF EXPOSED OVERHEAD), WITH PULL BOXES AND EXPANSION UNIONS AS REQUIRED UNLESS OTHERWISE NOTED.
- ALL EXTERIOR EXPOSED CONDUIT SHALL BE NEC MINIMUM SIZE RGS UNLESS OTHERWISE NOTED.
- ALL CONDUIT DIRECT BURIED, UNDER SLAB, OR IN DUCT BANK SHALL BE PVC SCHEDULE 40, SUITABLE FOR ITS INTENDED USE, NEC MINIMUM SIZE AND 24 INCHES MINIMUM BURIAL DEPTH UNLESS OTHERWISE NOTED. STUB-UP (PVC) ELBOWS LARGER THAN 1-INCH SHALL BE SCHEDULE 80, WITH CONCRETE ENCASEMENT FOR PULLING STRENGTH. ALL STUB-UPS SHALL BE RGS UP TO 8 FEET ABOVE FINISHED FLOOR. (INSTALLATION IN CONCRETE SHALL HAVE MINIMUM 3-INCH COVERING, ALL OTHER INSTALLATIONS SHALL HAVE 24 INCHES MINIMUM OF SAND.)
- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND EQUIPMENT PRIOR TO ANY EXCAVATIONS.
- NO CONDUIT SHALL BE ROUTED EXPOSED ON HORIZONTAL SURFACES SO AS TO CREATE A TRIPPING HAZARD.
- ALL STRUCTURE PENETRATIONS SHALL BE SEALED IN SUCH A MANNER AS TO EQUAL OR EXCEED THE ORIGINAL STRUCTURE CHARACTERISTICS, INCLUDING FIRE RATINGS, WEATHERPROOFING, ETC. PROVIDE METALIC CONDUIT AND INTUMESANT PUTTY SEAL ON ALL FIRE BARRIER PENETRATIONS.
- ALL ELECTRICAL EQUIPMENT USED FOR THIS PROJECT SHALL BE U.L. APPROVED, COMMERCIAL GRADE, AND SUITABLE FOR ITS INTENDED PURPOSE.
- MOUNTING OF ALL DEVICES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED. CENTERLINE OF DEVICES SHALL BE:

RECEPTACLES 18" AFF
TOGGLE SWITCHES 48" AFF
PANEL BOARDS 60" AFF
SAFETY SWITCHES 60" AFF

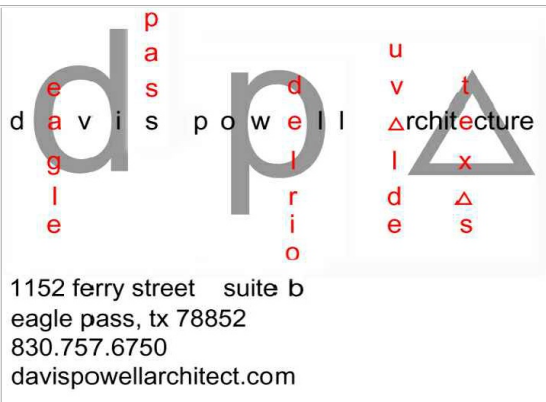
- ALL EQUIPMENT SHALL BEAR A PERMANENT LABEL FOR IDENTIFICATION. DISCONNECTS AND DEVICES FOR EQUIPMENT SHALL BE LOCKABLE AND PANELS SHALL BE WITH LOCK AND KEY.
 - ALL BRANCH AND FEEDER CIRCUITS SHALL BE LABELED AT THEIR RESPECTIVE OVERCURRENT PROTECTIVE DEVICE WITH AN ADEQUATE DESCRIPTION OF PURPOSE AND LOCATION.
 - ALL PANELBOARDS SHALL BE SQUARE D, G.E. OR CUTLER–HAMMER WITH BOLT–ON CIRCUIT BREAKERS, NEUTRAL BUS AND GROUND BUS.
 - ALL SURFACE MOUNT (EXPOSED) BOXES SHALL BE FD TYPE.
 - PROVIDE DISCONNECTING MEANS WITHIN SIGHT OF EQUIPMENT AS REQUIRED BY ARTICLE 430, LATEST EDITION OF NEC. PROVIDE ONE DISCONNECT TO EACH EQUIPMENT UNIT.
 - INSTALLATION FOR SPECIAL EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
 - CONTRACTOR SHALL BALANCE ALL LOADS ON THE ELECTRICAL SYSTEM.
 - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL LEGAL FEES AND CHARGES PERTAINING TO WORK UNDER THIS PROJECT.
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 - ALL TELEPHONE, COMMUNICATION, COMPUTER, FAX, MODEM, OR OTHER NON–POWER OUTLETS SHALL BE A RECEPTACLE BOX MOUNTED 18 INCHES AFF AND ¾-INCH EMT CONDUIT WITH PULL WIRE STUBBED–UP 4 INCHES ABOVE CEILING IN AN ACCESSIBLE LOCATION UNLESS OTHERWISE NOTED.
 - ALL CONDUITS INSTALLED BY CONTRACTOR FOR USE BY OTHERS OR WITH NO CONDUCTORS SHALL CONTAIN PULL WIRES.
 - PROVIDE 120V, 1pH, 60HZ POWER TO ALL HVAC DEVICES TO SUPPORT DDC PANELS, SMOKE DAMPERS, SUPPLY FAN DAMPERS AND VALVE ACTUATORS, INCLUDING CONDUIT CONDUCTOR, DISCONNECT DEVICE, FLEXIBLE CONNECTORS AND ALL TERMINATIONS. PROVIDE POWER TO LOW VOLTAGE TRANSFORMERS.
 - VERIFY THE LOCATION OF ALL WALLS, PARTITIONS, DOORS, CABINETS, AND CEILINGS FROM ACTUAL FIELD MEASUREMENTS.
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- FIRE ALARMS
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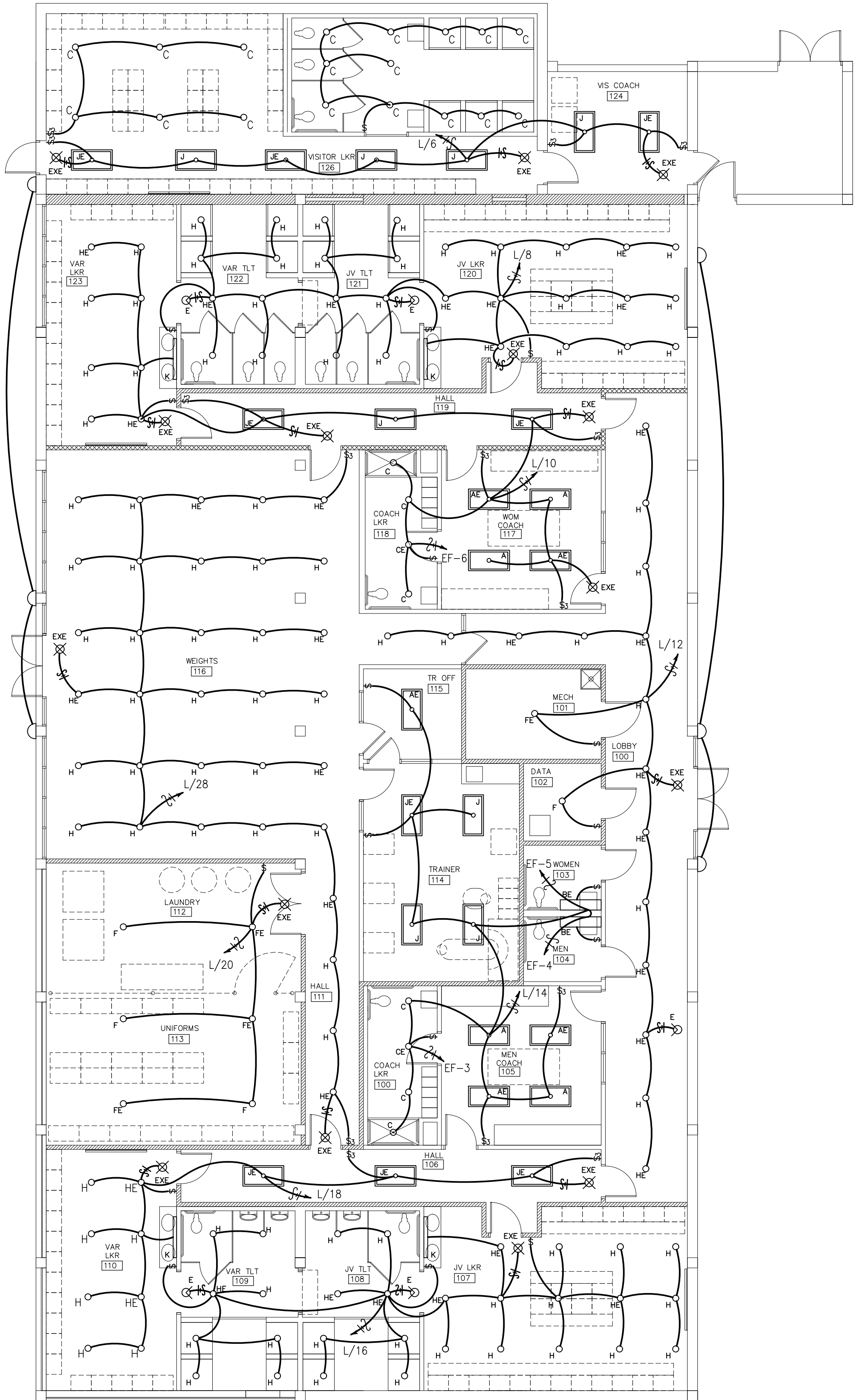
2025 FIELD HOUSE IMPROVEMENTS ROBSTOWN ISD ROBSTOWN, TX



DATE:	3/4/2025
REVISED:	

SHEET:

E3



L/12



1
E4 E4

LOCKER ROOM – ELECTRICAL LIGHTING PLAN

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

GENERAL NOTES – ELECTRICAL:
APPLY TO ALL ELECTRICAL DRAWINGS

- THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK UNDER THIS SECTION OF THE CONTRACT IN FULL COMPLIANCE WITH NEC-MOST RECENT EDITION AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE SHALL INFORM THE ARCHITECT/ENGINEER FOR DIRECTION PRIOR TO BIDDING THE JOB. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES AT HIS COST.
- THE ELECTRICAL DISTRIBUTION SYSTEM SIZING IS BASED ON EQUIPMENT DATA FROM THE SPECIFIED SUPPLIER OR A TYPICAL SUPPLIER. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PROVIDING THE CORRECTLY SIZED ELECTRICAL SYSTEM TO MATCH THE REQUIREMENTS OF THE ELECTRICALLY POWERED EQUIPMENT ACTUALLY INSTALLED. USE NEC MINIMUM CONDUIT AND CONDUCTOR SIZE WHERE NOT INDICATED. FIELD VERIFY POWER REQUIREMENT FROM NAMEPLATE DATA.
- THE BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND SHALL FULLY INFORM HIMSELF REGARDING THE FACILITIES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK OR MATERIAL OMITTED FROM BIDDER'S CONTRACT PROPOSAL DUE TO HIS FAILURE TO SO INFORM HIMSELF BY SUCH INVESTIGATION.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECTURAL DRAWINGS, OTHER TRADES, AND VERIFY LOCATION OF ALL EQUIPMENT WITH OWNER OR ARCHITECT BEFORE CONSTRUCTION. FAILURE TO DO SO MIGHT RESULT IN MOVING EQUIPMENT AT NO COST TO OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE, TO THE SATISFACTION OF THE OWNER, ARCHITECT, AND ENGINEER, ANY UTILITIES, MATERIALS, EQUIPMENT, WALLS, FOUNDATIONS, ETC. DAMAGED, DISASSEMBLED, REMOVED OR AFFECTED BY CONSTRUCTION, EXCAVATION, INSTALLATION, REMOVAL, OR ACCIDENT.
- ALL CONDUCTORS SHALL BE COPPER, ROUTED IN CONDUIT WITH SPLICES IN APPROVED ACCESSIBLE JUNCTION BOXES. INSULATION SHALL BE AS THHN, THWN UNLESS OTHERWISE NOTED.
- BRANCH CIRCUITS SHALL BE #12 MINIMUM WITH 1P/20A INVERSE TIME CIRCUIT BREAKERS (REFER TO #2 ABOVE). TWENTY-AMP CIRCUIT RUNS EXCEEDING 100 FEET SHALL BE WITH MINIMUM #10 COPPER CONDUCTORS.
- CONTRACTOR SHALL SIZE CONDUCTORS AS REQUIRED TO MAINTAIN A MAXIMUM VOLTAGE DROP OF 3 PERCENT FROM SERVICE TO DEVICE.
- CONTRACTOR SHALL PROVIDE CIRCUIT CONTINUITY OF ALL BRANCH CIRCUITS AND ACCESSIBLE JUNCTION BOXES WITH SPLICES SO THAT ANY RECEPTACLE, LIGHT, OR DEVICE MAY BE REMOVED WITHOUT INTERRUPTION OF CIRCUIT CONTINUITY.
- ALL INTERIOR CONDUIT SHALL BE NEC MINIMUM SIZE [EMT, ENT,OR NMC] COMPRESSION FITTINGS (EMT), ROUTED PARALLEL OR PERPENDICULAR TO WALLS, NEAR CEILINGS (IF EXPOSED OVERHEAD), WITH PULL BOXES AND EXPANSION UNIONS AS REQUIRED UNLESS OTHERWISE NOTED.
- ALL EXTERIOR EXPOSED CONDUIT SHALL BE NEC MINIMUM SIZE RGS UNLESS OTHERWISE NOTED.
- ALL CONDUIT DIRECT BURIED, UNDER SLAB, OR IN DUCT BANK SHALL BE PVC SCHEDULE 40, SUITABLE FOR ITS INTENDED USE, NEC MINIMUM SIZE AND 24 INCHES MINIMUM BURIAL DEPTH UNLESS OTHERWISE NOTED. STUB-UP (PVC) ELBOWS LARGER THAN 1-INCH SHALL BE SCHEDULE 80, WITH CONCRETE ENCASUREMENT FOR PULLING STRENGTH. ALL STUB-UPS SHALL BE RGS UP TO 8 FEET ABOVE FINISHED FLOOR. (INSTALLATION IN CONCRETE SHALL HAVE MINIMUM 3-INCH COVERING, ALL OTHER INSTALLATIONS SHALL HAVE 24 INCHES MINIMUM OF SAND.)
- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND EQUIPMENT PRIOR TO ANY EXCAVATIONS.
- NO CONDUIT SHALL BE ROUTED EXPOSED ON HORIZONTAL SURFACES SO AS TO CREATE A TRIPPING HAZARD.
- ALL STRUCTURE PENETRATIONS SHALL BE SEALED IN SUCH A MANNER AS TO EQUAL OR EXCEED THE ORIGINAL STRUCTURE CHARACTERISTICS, INCLUDING FIRE RATINGS, WEATHERPROOFING, ETC. PROVIDE METALIC CONDUIT AND INTUMESANT PUTTY SEAL ON ALL FIRE BARRIER PENETRATIONS.
- ALL ELECTRICAL EQUIPMENT USED FOR THIS PROJECT SHALL BE U.L. APPROVED, COMMERCIAL GRADE, AND SUITABLE FOR ITS INTENDED PURPOSE.
- MOUNTING OF ALL DEVICES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED. CENTERLINE OF DEVICES SHALL BE:

RECEPTACLES 18" AFF
TOGGLE SWITCHES 48" AFF
PANEL BOARDS 60" AFF
SAFETY SWITCHES 60" AFF

- ALL EQUIPMENT SHALL BEAR A PERMANENT LABEL FOR IDENTIFICATION. DISCONNECTS AND DEVICES FOR EQUIPMENT SHALL BE LOCKABLE AND PANELS SHALL BE WITH LOCK AND KEY.
- ALL BRANCH AND FEEDER CIRCUITS SHALL BE LABELED AT THEIR RESPECTIVE OVERCURRENT PROTECTIVE DEVICE WITH AN ADEQUATE DESCRIPTION OF PURPOSE AND LOCATION.
- ALL PANELBOARDS SHALL BE SQUARE D, G.E. OR CUTLER-HAMMER WITH BOLT-ON CIRCUIT BREAKERS, NEUTRAL BUS AND GROUND BUS.
- ALL SURFACE MOUNT (EXPOSED) BOXES SHALL BE FD TYPE.
- PROVIDE DISCONNECTING MEANS WITHIN SIGHT OF EQUIPMENT AS REQUIRED BY ARTICLE 430, LATEST EDITION OF NEC. PROVIDE ONE DISCONNECT TO EACH EQUIPMENT UNIT.
- INSTALLATION FOR SPECIAL EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
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FIRE ALARMS

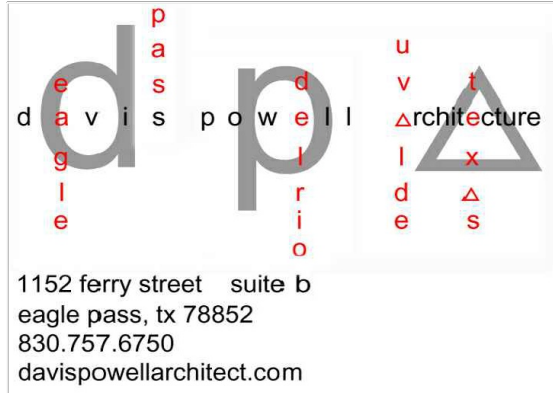
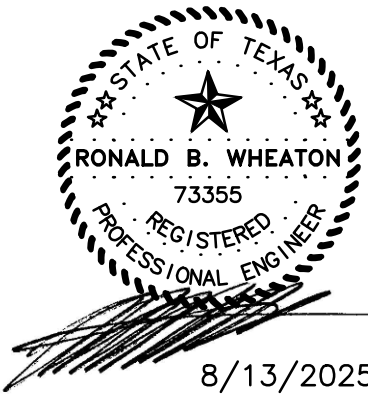
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NOTE:
ALL LIGHTING SWITCHES SHALL BE MOTION DETECTION TYPE, EXCEPT IN LOCKER ROOMS & WEIGHT ROOM.
PROVIDE TIMER SWITCHES WITH MOTION OVERRIDE.

LIGHT FIXTURE SCHEDULE		
A	COST LESS LIGHTING 05-LEDPNL2x4-50W-35K	2X4 PLAIN
B	COST LESS LIGHTING 05-CB24-6L-LKFS / 43W / 35K	2X4 CENTER BASKET
C	COST LESS LIGHTING 11-6C-LED-NIC-NND w/ 11-MODR6-10L-KFS 14W/35K trim	6" CAN 35K
D	LITHONIA: WSR-P4-40K-SR4-MVOLT-DOBXD	EXT 1/2 CIRCLE SCONCE
DE	LITHONIA: WSR-P4-40K-SR4-MVOLT-DOBXD W BATT EMER	EXT 1/2 CIRCLE SCONCE W/ EMER
E	COST LESS LIGHTING 04-RHLED DOUBLE HEAD	EMERGENCY SPOT
EXE	COST LESS LIGHTIN 04-CEM RED ON WHITE	EXIT W/ EMERGENCY SPOTS
F	COST LESS LIGHTING 07-HBRSR-353024L-LKFS / 229W / 4K	13" ROUND HIGH BAY PENDANT
G	LITHONIA LTIKMSBK	LED TRACK LIGHTING
H	MAX 25 WATT LED REFER TO ARCHITECT	DOWN LT



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2025 FIELD HOUSE IMPROVEMENTS
ROBSTOWN ISD
ROBSTOWN, TX



DATE:	3/4/2025
REVISED:	

SHEET:
E4



1 LOCKER ROOM – ELECTRICAL POWER PLAN
E5 E5 SCALE: 1/8"=1'-0"

PANEL H												
400 AMP, M.C.B., 277Y480V, 3PH, 4W, SURFACE, NEMA 1, 65 KAIC												
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #
1		3540			A	B				3450		2
3	RTU-1	3540	3/4" C, 4 #12, 1-#12G	20/3		B		20/3	3/4", 4 #12, 1-#12G	3450	RTU-8	4
5		3540					C			3450		6
7		3540			A					3450		8
9	RTU-2	3540	3/4" C, 4 #12, 1-#12G	20/3		B		20/3	3/4", 4 #12, 1-#12G	3450	RTU-9	10
11		3540					C			3450		12
13		3540			A					18000		14
15	RTU-3	3540	3/4" C, 4 #12, 1-#12G	20/3		B		90/3	1 1/4" C, 3-#3, 1-#8G	18000	WH-1	16
17		3540					C			18000		18
19		5400			A					18000		20
21	RTU-4	5400	3/4" C, 4 #10, 1-#12G	35/3		B		90/3	1 1/4" C, 3-#3, 1-#8G	18000	WH-2	22
23		5400					C			18000		24
25		3540			A					18000		26
27	RTU-5	3540	3/4" C, 4 #12, 1-#12G	20/3		B		90/3	1 1/4" C, 3-#3, 1-#8G	18000	WH-1	28
29		3540					C			18000		30
31		3540			A					5000		32
33	RTU-6	3540	3/4" C, 4 #12, 1-#12G	20/3		B		30/3	3/4" C, 4-#10, 1-#12G	5000	15 KW MAX DRYER UNIT	34
35		3540					C			5000		36
37		3540			A					10200		38
39	RTU-7	3540	3/4" C, 4 #12, 1-#12G	20/3		B		70/3	1 1/4" C, 3-#4, 1-#10G	10200	TRANS-PANEL L	40
41		3540					C			10200	45KVA	42
CONNECTED LOAD = 303720 VA PHASE A = 102740 VA PHASE B = 102740 VA PHASE C = 98240 VA												
CONNECTED LOAD = 365.93 AMPS												

PANEL 'L'													125 AMP, M.C.B.'s, 120Y/208V, 3PH, 4W, SURFACE, NEMA 1, 45 KAIC												
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #													
1	EF-1	500	3/4" C, 2 #12, 1-#12G	20/1						3600		2													
3	EF-2	500	3/4" C, 2 #12, 1-#12G	20/1		B		40/2	3/4" C, 2-#8, 1-#12G	3600	WH-4	4													
5	EF-7	500	3/4" C, 2 #12, 1-#12G	20/1			C	20/1	3/4" C, 2 #12, 1-#12G	630	LTS124-125	6													
7	EF-8	500	3/4" C, 2 #12, 1-#12G	20/1	A			20/1	3/4" C, 2 #12, 1-#12G	1080	LTS120-123	8													
9	EF-9	500	3/4" C, 2 #12, 1-#12G	20/1				20/1	3/4" C, 2 #12, 1-#12G	750	LTS1713-19	10													
11	TF-1	500	3/4" C, 2 #12, 1-#12G	20/1			C	20/1	3/4" C, 2 #12, 1-#12G	1100	LTS100-102	12													
13					A			20/1	3/4" C, 2 #12, 1-#12G	1090	LTS105, 114, 115	14													
15	124, 127, 126 PLG6	800	3/4" C, 2 #12, 1-#12G	20/1		B		20/1	3/4" C, 2 #12, 1-#12G	1200	LTS107-109	16													
17	119-123 PLG6	800	3/4" C, 2 #12, 1-#12G	20/1			C	20/1	3/4" C, 2 #12, 1-#12G	470	LTS106, 110	18													
19	117, 101-104 PLG6	800	3/4" C, 2 #12, 1-#12G	20/1	A			20/1	3/4" C, 2 #12, 1-#12G	1374	LTS LAUNDRY	20													
21	WEIGHT116 PLG6	1000	3/4" C, 2 #12, 1-#12G	20/1		B		-	-	1500	-	22													
23	WEIGHT116 PLG6	1000	3/4" C, 2 #12, 1-#12G	20/1		C	40/2	3/4" C, 3-#8, 1-#12G	1500	SITZ BATH	24														
25	LAUNDRY PLG6	1000	3/4" C, 2 #12, 1-#12G	20/1	A			20/1	3/4" C, 2 #12, 1-#12G	1500	DATA	26													
27	TRAINER PLG6	1000	3/4" C, 2 #12, 1-#12G	20/1		B		20/1	3/4" C, 2 #12, 1-#12G	850	WEIGHT116 LTS	28													
29	100-105 PLG6	800	3/4" C, 2 #12, 1-#12G	20/1			C					30													
31	107,108,109 PLG6	800	3/4" C, 2 #12, 1-#12G	20/1	A							32													
33												34													
35							C					36													
37					A							38													
39						B						40													
41							C					42													

CONNECTED LOAD = 31244 VA
CONNECTED LOAD = 86,789 AMPS

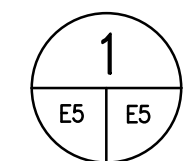
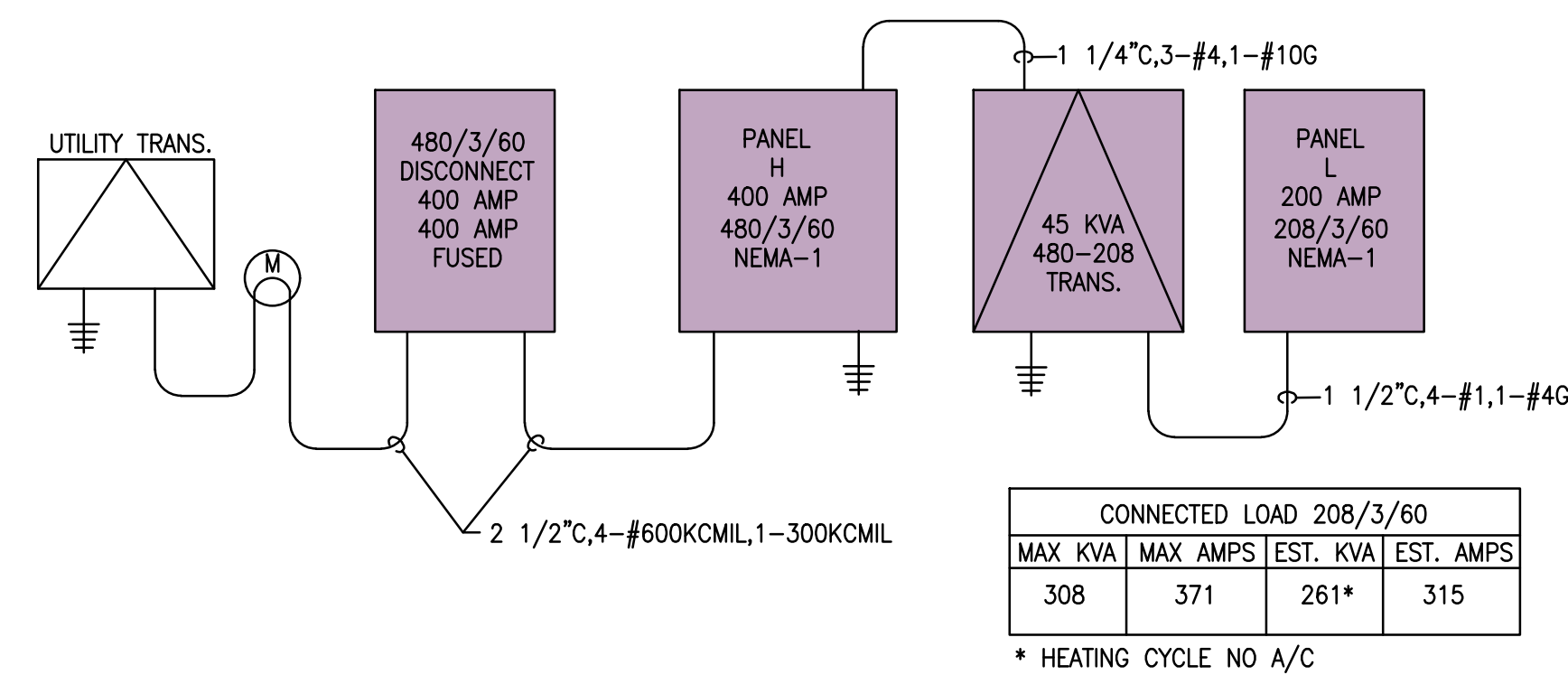
PHASE A = 12244 VA

PHASE B = 11700 VA

PHASE C = 7300 VA

KEYNOTES: ○

1. PROVIDE 120V. MOTOR RATED SWITCH, NEMA-3R, FAN DISCONNECT WITH AUX CONTACT TO LTS, 120V, WIRE POWER TO LTS SWITCH. PROVIDE 2-POLE, 120/1/60 LIGHTING CONTROL SWITCH.
2. PROVIDE 120/1/60, NEMA-3R, 20 AMP, COMBINATION STARTER, EXTEND AUX CONTROL TO DDC SYSTEM, COORDINATE WITH MECHANICAL. PROVIDE SEAL TITE WHIP TO UNIT, REFER TO DETAILS. CONTROL WITH ASSOCIATED AHU.
3. PROVIDE NEMA-3R, 60 AMP DISCONNECT SWITCH, 480/3/60, PROVIDE SEAL TITE WHIP TO UNIT. PROVIDE UNISTRUCT MOUNT TO BUILDING WALL.
4. PROVIDE NEMA-3R, 30 AMP DISCONNECT SWITCH, 480/3/60, PROVIDE SEAL TITE WHIP TO UNIT. PROVIDE UNISTRUCT MOUNT TO BUILDING WALL.
5. PROVIDE NEMA-1, 60 AMP DISCONNECT SWITCH 208/2/60, PROVIDE GREENFIELD WHIP TO UNIT. PROVIDE WALL MOUNT. WH-4, AT TRAINING.
6. PROVIDE NEMA-1, 100 AMP DISCONNECT SWITCH 480/3/60, PROVIDE GREENFIELD WHIP TO UNIT. PROVIDE WALL MOUNT. (3) AT WATER HEATERS.
7. PROVIDE 120V MOTOR RATED SWITCH, NEMA-1, FAN DISCONNECT TF-1, PROVIDE AUX CONTACTS WIRE TO THERMOSTAT CONTROL, INDICATED.

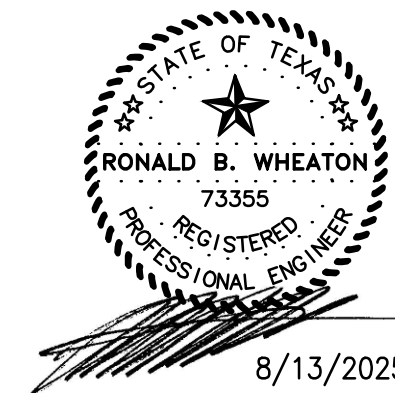


ONE LINE DIAGRAM

NT



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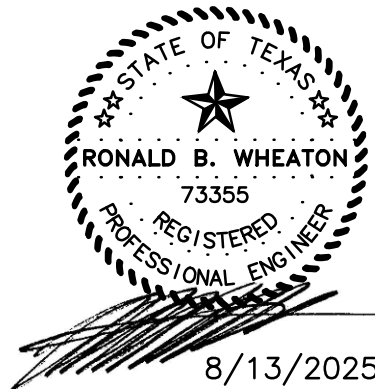
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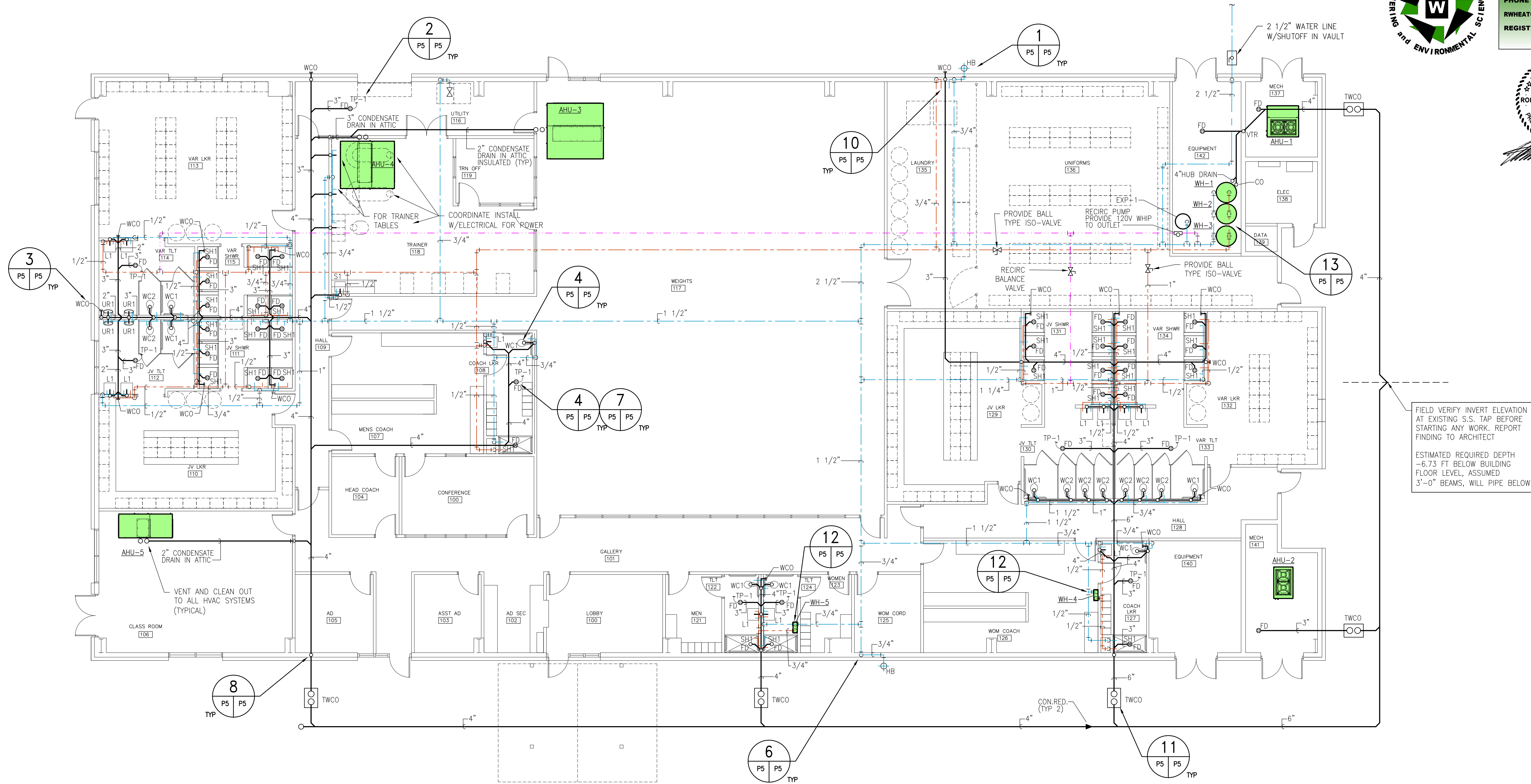
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FIELD VERIFY INVERT ELEVATION
AT EXISTING S.S. TAP BEFORE
STARTING ANY WORK. REPORT
FINDING TO ARCHITECT

ESTIMATED REQUIRED DEPTH
-6.73 FT BELOW BUILDING
FLOOR LEVEL, ASSUMED
3'-0" BEAMS, WILL PIPE BELOW

1
P1 P1
FIELD HOUSE - PLUMBING PLAN
SCALE: 1/8"=1'-0"

LEGEND

- SEWER LINE
- SEWER VENT LINE UNDER SLAB
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECIRCULATED HOT WATER

PLUMBING FIXTURE BRANCH SIZES				
DESCRIPTION	SOIL OR WASTE	VENT	COLD WATER	HOT WATER
WATER CLOSET	4"	* 2", 3", 4"	3/4"	-
URINAL	2"	1 1/2"	3/4"	-
LAVATORY	2"	* 1 1/4"	1/2"	1/2"
SINK	2"	1 1/2"	1/2"	1/2"
MOP BASIN	3"	2"	3/4"	3/4"
ELECTRIC WATER COOLER	2"	1 1/4"	1/2"	-
FLOOR DRAIN	3"	2"	1/2" TRAP PRIMER	-
* SEE SCHEMATIC PIPING				

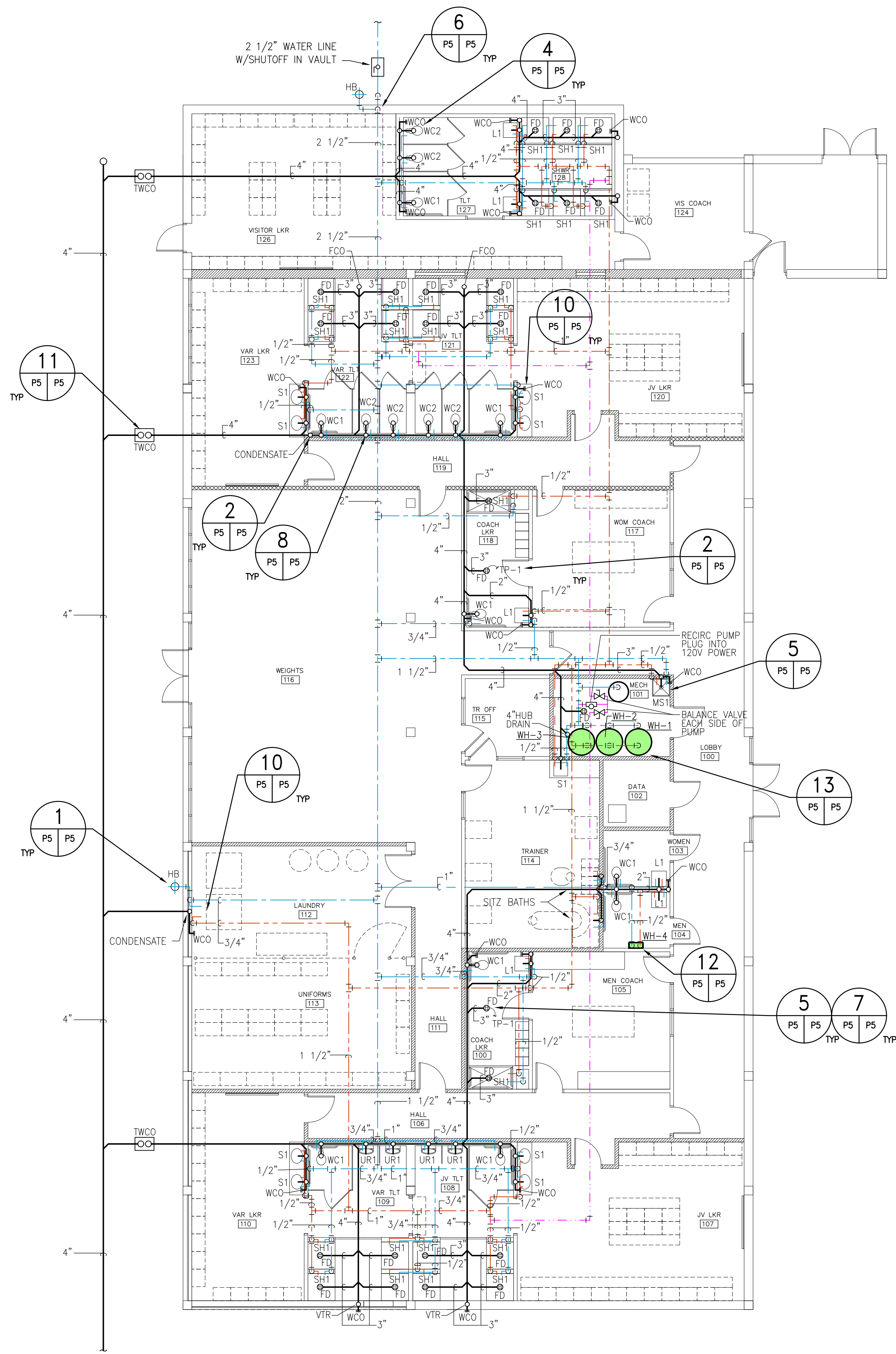
PLUMBING FIXTURE SCHEDULE	
DF	ELKAY EZSTL8WSLK BI-LEVEL WATER COOLER WITH EZH2O BOTTLE FILLING STATION
L1	KOHLER NO. K-2005 KINGSTON WALL MOUNT WHITE V.C. LAVATORY WITH FRONT OVERFLOW. FAUCET SHALL BE SINGLE LEVER OPERATED ZURN Z7440-FC W/ CHROME PLATE FINISH. 2.0 GPM VANDAL RESISTANT AERATOR. PROVIDE DRAIN AND WATER LINE PROTECTION PER ADA.
WC1	TOTO #CT75DSULN, FLOOR MOUNT, COLOR: "COTTON". PROVIDE BEMIS NO. 1955CWH WHITE OPEN FRONT SEAT LESS COVER. PROVIDE SLOAN "ROYAL" 111-1.28 FLUSH VALVE. PROVIDE OPERATION MECHANISM ON APPROACH SIDE OF FIXTURE. MUST COMPLY WITH ADA.
WC2	TOTO#CT705ULN, FLOOR MOUNT, COLOR: "COTTON". PROVIDE BEMIS NO. 1955CWH WHITE OPEN FRONT SEAT LESS COVER. PROVIDE SLOAN "ROYAL" 111-1.28 FLUSH VALVE.
UR1	TOTO UT104E#01 "COTTON" WHITE V.C. SIPHON JET FIXTURE WITH 3/4" TOP SPUD AND WALL HANGERS. .5 GPF. PROVIDE SLOAN 3790013 FLUSH VALVE AND MIFAB OR EQUAL FLOOR MOUNTED CARRIER.
MS	FLOOR SINK: FIAT "STOCKTON" GRAY TERRAZO
TP-1	TRAP PRIMER FOR FLOOR DRAIN, PRECISION PLUMBING PRODUCT P-1, SIZE SHALL MATCH THE CONNECTED LINE, FLUSH WITH FINISH FLOOR
WH-1, 2, 3	A.O. SMITH MODEL DSE-120A, 120 GALLON, 54KW HEATER, 208/3/60
WH-4	STIEBEL ELTRON DHC-E CLASSIC 10-2 TANKLESS WATER HEATER 7.2KW, 208/1/60 (SINGLE PHASE)
WH-5	STIEBEL ELTRON C SERIES MODEL CF-PLUS TANKLESS WATER HEATER 15KW, 208/3/60 (THREE PHASE)
SH-1	SHOWER HEAD, PRESSURE BALANCING, 110" OUTPUT CONTROL, 2.0GPM

2025 FIELD HOUSE IMPROVEMENTS
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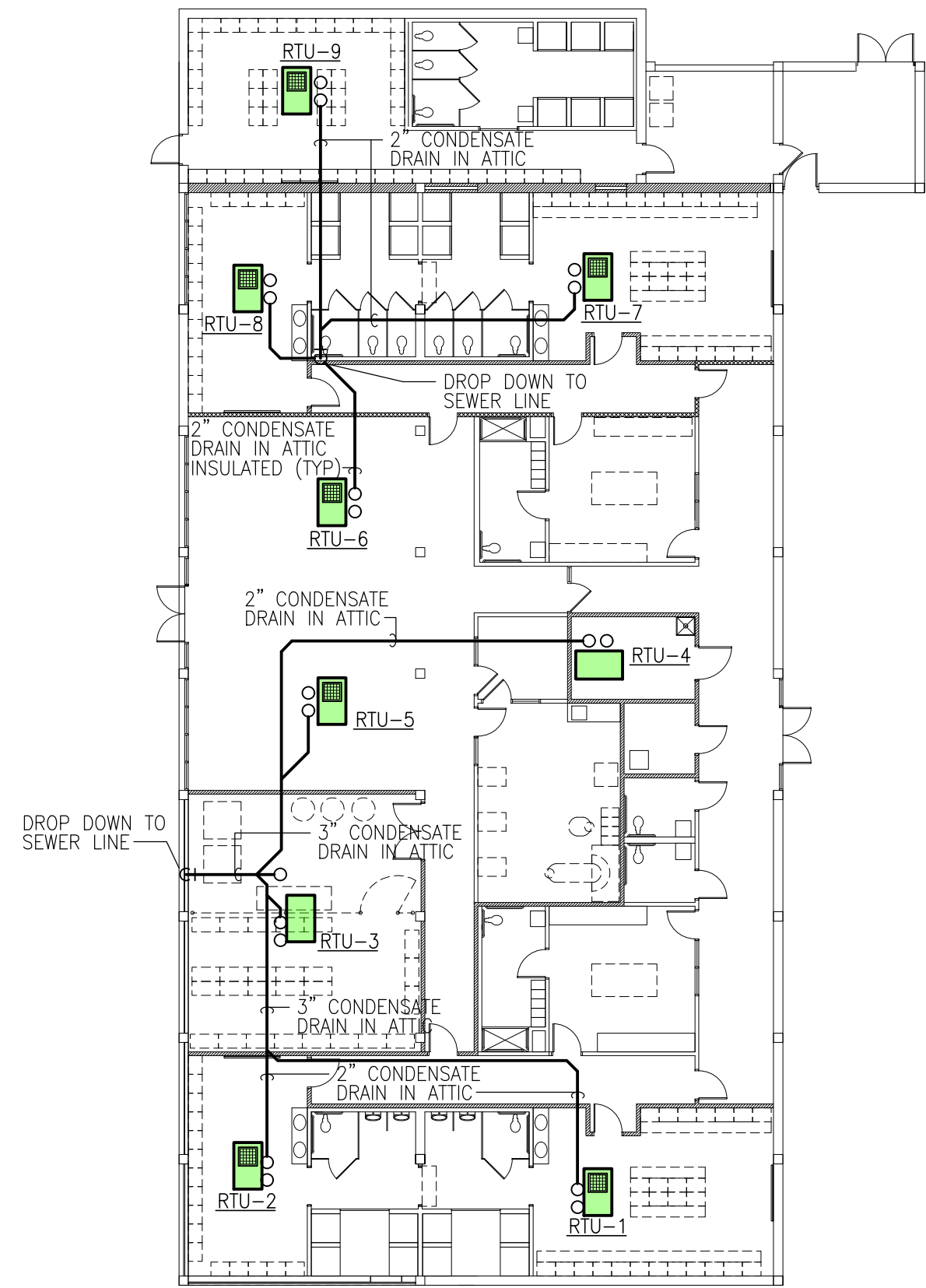
1 LOCKER ROOM – PLUMBING PLAN
SCALE: 1/8"=1'-0"

- GENERAL NOTES – PLUMBING:
- THESE NOTES COVER ALL PLUMBING WORK REQUIRED BY THE PROJECT AND ILLUSTRATED ON THE PLUMBING DRAWINGS.
 - CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AND WORK WITH THEM IN VERIFYING INSTALLATION LOCATIONS FOR ALL PLUMBING FIXTURES, TRIM, DRAIN LINES, VENT LINES AND WATER LINES. CONTRACTOR SHALL MAKE HIMSELF KNOWLEDGEABLE OF THE SCOPE OF THE ENTIRE PROJECT AND WITH ALL MECHANICAL HVAC AND ELECTRICAL WORK.
 - ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS, OR CONCRETE FLOORS SHALL BE CORE DRILLED OR SAWED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION BEFORE MAKING PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS. CONTRACTOR SHALL REINFORCE ALL OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AND SEAL OPENINGS WITH 6000 PSI SAND CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRAMING OR ESCUTCHEONS) AROUND OPENINGS IN FINISHED AREAS. COORDINATE ALL CUTTING AND PATCHING WITH THE OTHER TRADES.
 - ON ANY WORK SHOWN ON PLUMBING DRAWINGS WHICH REQUIRES DEMOLITION OF NEW BUILDING STRUCTURES AND PAVING, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PATCHING SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH ARCHITECT-APPROVED PATCHING MATERIALS. REPAIRS SHALL BE COMPLETED AS PER ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING SHALL MATCH SURROUNDING FINISHES. COLOR SELECTION SHALL BE APPROVED BY THE ARCHITECT.
 - ALL PLUMBING WORK SHALL BE COMPLETED IN COMPLIANCE WITH STANDARD PLUMBING CODE REQUIREMENTS AND LOCAL CODES. CONTRACTOR SHALL COORDINATE FINAL TIE INS. PLUMBING LINES AND FIXTURES SHALL BE IN ACCORDANCE WITH LOCAL CODES, STATE AND FEDERAL HANDICAPPED CODES AND REQUIREMENTS.
 - CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL PARTITIONS, WALLS, FIXTURES, ETC., WITH DIMENSIONED ARCHITECTURAL PLANS AND SITE SURVEYS. DRAWINGS AND RISERS ARE SCHEMATIC AND EXACT DIMENSIONS SHALL BE VERIFIED IN ALL CASES.
 - COORDINATE THE FINAL LOCATION ON ALL FLOOR CLEANOUTS (C.O.), HUB DRAINS (H.D.), AND FLOOR DRAINS (F.D.) TO FIT INTO STRUCTURES. LOCATE ALL CLEANOUTS SO AS NOT TO OBSTRUCT ARCHITECTURAL BUILD OUT. PROVIDE TRAP PRIMERS ON ALL HUB AND FLOOR DRAINS.
 - COORDINATE ALL EQUIPMENT CONNECTION SIZES TO MATCH THOSE INDICATED OR REQUIRED BY THE FIXTURE MANUFACTURE, WHICH EVER IS LARGEST. CONVERT PVC LINES TO COPPER ON ALL DWV LINES WHICH PENETRATE FIRE BARRIERS. CONVERT LINES FROM CAST IRON TO PVC AS NECESSARY TO TIE INTO EXISTING LINES. ALL DWV LINES UNDER BUILDINGS OR PAVING SHALL BE PVC, CAST IRON, OR COPPER. PROVIDE FIRE BARRIER MATERIAL AT ALL FIRE BARRIER PENETRATIONS.
 - VERIFY THE DEPTH AND DIRECTION OF FLOW OF THE EXISTING SANITARY SEWERS BEFORE ORDERING PARTS OR STARTING WORK ON THE PROJECT. VERIFY THAT ALL NEW LINE INVERTS ARE OBTAINABLE BEFORE STARTING ANY FABRICATION.
 - ALL MAIN WATER PIPING SHALL BE LOCATED IN THE ATTIC SPACE, WALLS AND PLUMBING CHASES. ALL PRIMARY SANITARY SEWER AND CONDENSATE LINES SHALL BE LOCATED IN PLUMBING CHASES OR BELOW FLOOR. MAIN BUILDING WATER TIE INS SHALL INCLUDE VALVE, VALVE BOX AND BUILDING DRAIN. WATER LINES RUN BELOW THE SLAB SHALL BE SEAMLESS ANNEALED COPPER. NO FITTINGS SHALL BE ALLOWED BELOW GRADE.
 - ALL REQUIRED UTILITIES CONNECTION FEES, TAPS, VALVES, METERS AND OTHER SERVICE CONNECTION DEVICES OR REQUIREMENTS NECESSARY TO COMPLETE THE PLUMBING SYSTEM AND TIE INTO CITY UTILITIES SHALL BE INCLUDED HEREIN.
 - ALL FIXTURES AND DEVICES SHOWN AND REQUIRED SHALL BE INCLUDED IN THE CONSTRUCTION. FIXTURES NOT INDICATED ON THE DRAWINGS SHALL BE SELECTED AS APPROPRIATE FOR THE INSTALLATION USING THE PLUMBING FIXTURE SCHEDULE (I.E.: CLEANOUTS, DRAINS, ETC.). ANY DEVIATION FROM THE SCHEDULED FIXTURES, PIPE ROUTING, OR OTHER SYSTEM COMPONENTS OR FUNCTIONS SHALL BE APPROVED BY THE ENGINEER. ALL WALL HUNG FIXTURES SHALL BE WITH FLOOR MOUNTED CHAIR CARRIER.
 - ADJUST ALL FIXTURE MOUNTINGS AND ROUGHING DIMENSIONS AS NECESSARY. VERIFY EXISTING ROUGH-INS BEFORE PURCHASING EQUIPMENT AND FIXTURES. PROVIDE NEW WAX RINGS, AND CLAMPS AT ALL NEW WATER CLOSETS. PROVIDE NEW CHAIR CARRIERS, DRAIN CONNECTIONS, AND WATER PIPING AT ALL FIXTURES. ALL CHAIR CARRIERS SHALL BE CONCEALED TYPE WITH FLOOR MOUNTED, BOLT DOWN SUPPORTS.
 - PROVIDE THE SERVICE SINK WITH EITHER A WALL- OR FLOOR-MOUNTED MANUFACTURER-SUPPLIED P TRAP. VERIFY THE CORRECT DIMENSIONAL AND POSITION REQUIREMENTS IN THE FIELD AND PROVIDE THE PROPER UNIT.
 - COORDINATE THE POSITION, CLEARANCES AND MOUNTING HEIGHTS OF ALL FIXTURES INCLUDING HANDICAPPED UNITS. REFER ANY DISCREPANCIES ON MOUNTINGS TO THE ARCHITECT FOR VERIFICATION BEFORE COMPLETING CONSTRUCTION WORK.
 - VERIFY POSITION AND DEPTH OF FAUCETS AND SINK BOWLS ON ALL HANDICAPPED SINK FIXTURES BEFORE ORDERING PARTS.
 - VERIFY BEAM PENETRATION REQUIREMENTS AND COORDINATE WITH THE STRUCTURAL ENGINEER TO DETERMINE PROPER REINFORCING REQUIREMENT. AVOID BORING THROUGH BEAMS AND STRUCTURAL MEMBERS.
 - CONTRACTOR SHALL SUPPLY AND INSTALL ALL PLUMBING PIPING SHOWN AND REQUIRED TO COMPLETE THE SYSTEM ILLUSTRATED IN THIS DRAWING PACKAGE. ALL TRENCH WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PIPE TRENCH DETAIL SHOWN. ALL UNDERGROUND PIPING SHALL BE AS SPECIFIED FOR EXTERIOR LINE OR AS A CONTINUATION OF INTERIOR SYSTEMS AND MATERIALS. ALL PIPE AND FITTINGS SHALL BE PROTECTED WITH MANUFACTURER'S APPROVED CORROSION PROTECTION SYSTEMS.
 - CONTRACTOR SHALL MAKE ALLOWANCE FOR THERMAL EXPANSION USING A TEMPERATURE CHANGE OF 60 DEGREES F. OR AS APPROPRIATE.
 - CONTRACTOR SHALL INSTALL UNDERGROUND PIPING IN A CLEAN EXCAVATED TRENCH AND COMPACT THE BEDDING AGAINST VIRGIN SOILS. COMPACT ALL BACKFILL TO 95 PERCENT OF STANDARD PROCTOR.
 - ALL BACKFILL MATERIALS, THEIR HAULAGE, AND THE REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL NOT COVER UP ANY PART OF THE PIPE LINES BEFORE THEY ARE BOTH VISUALLY INSPECTED BY THE ENGINEER AND OWNER AND WITNESSED HYDROTEST HAS BEEN COMPLETED AND APPROVED.

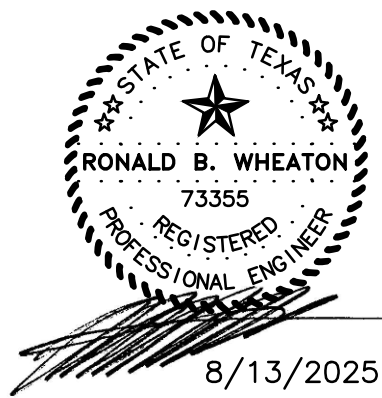
2 LOCKER ROOM – CONDENSATE DRAIN PLAN
SCALE: 1/16"=1'-0"

PLUMBING FIXTURE SCHEDULE	
DF	ELKAY EZSTL8WSLK BI-LEVEL WATER COOLER WITH EZH2O BOTTLE FILLING STATION
L1	KOHLER NO. K-2005 KINGSTON WALL MOUNT WHITE V.C. LAVATORY WITH FRONT OVERFLOW. FAUCET SHALL BE SINGLE LEVER OPERATED ZURN Z7440-FC W/ CHROME PLATE FINISH. 2.0 GPM VANDAL RESISTANT AERATOR. PROVIDE DRAIN AND WATER LINE PROTECTION PER ADA.
WC1	TOTO #CT7SD5ULN, FLOOR MOUNT, COLOR: "COTTON". PROVIDE BEMIS NO. 1955CWH WHITE OPEN FRONT SEAT LESS COVER. PROVIDE SLOAN "ROYAL" 111-1.28 FLUSH VALVE. PROVIDE OPERATION MECHANISM ON APPROACH SIDE OF FIXTURE. MUST COMPLY WITH ADA.
WC2	TOTO#CT705ULN, FLOOR MOUNT, COLOR: "COTTON". PROVIDE BEMIS NO. 1955CWH WHITE OPEN FRONT SEAT LESS COVER. PROVIDE SLOAN "ROYAL" 111-1.28 FLUSH VALVE.
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SH-1	SHOWER HEAD, PRESSURE BALANCING, 110" OUTPUT CONTROL, 2.0GPM

PLUMBING FIXTURE BRANCH SIZES				
DESCRIPTION	SOIL OR WASTE	VENT	COLD WATER	HOT WATER
WATER CLOSET	4"	* 2".3"4"	3/4"	-
URINAL	2"	1 1/2"	3/4"	-
LAVATORY	2"	* 1 1/4"	1/2"	1/2"
SINK	2"	1 1/2"	1/2"	1/2"
MOP BASIN	3"	2"	3/4"	3/4"
ELECTRIC WATER COOLER	2"	1 1/4"	1/2"	-
FLOOR DRAIN	3"	2"	1/2" TRAP PRIMER	-
* SEE SCHEMATIC PIPING				



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LEGEND

- SEWER LINE
- SEWER VENT LINE UNDER SLAB
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECIRCULATED HOT WATER

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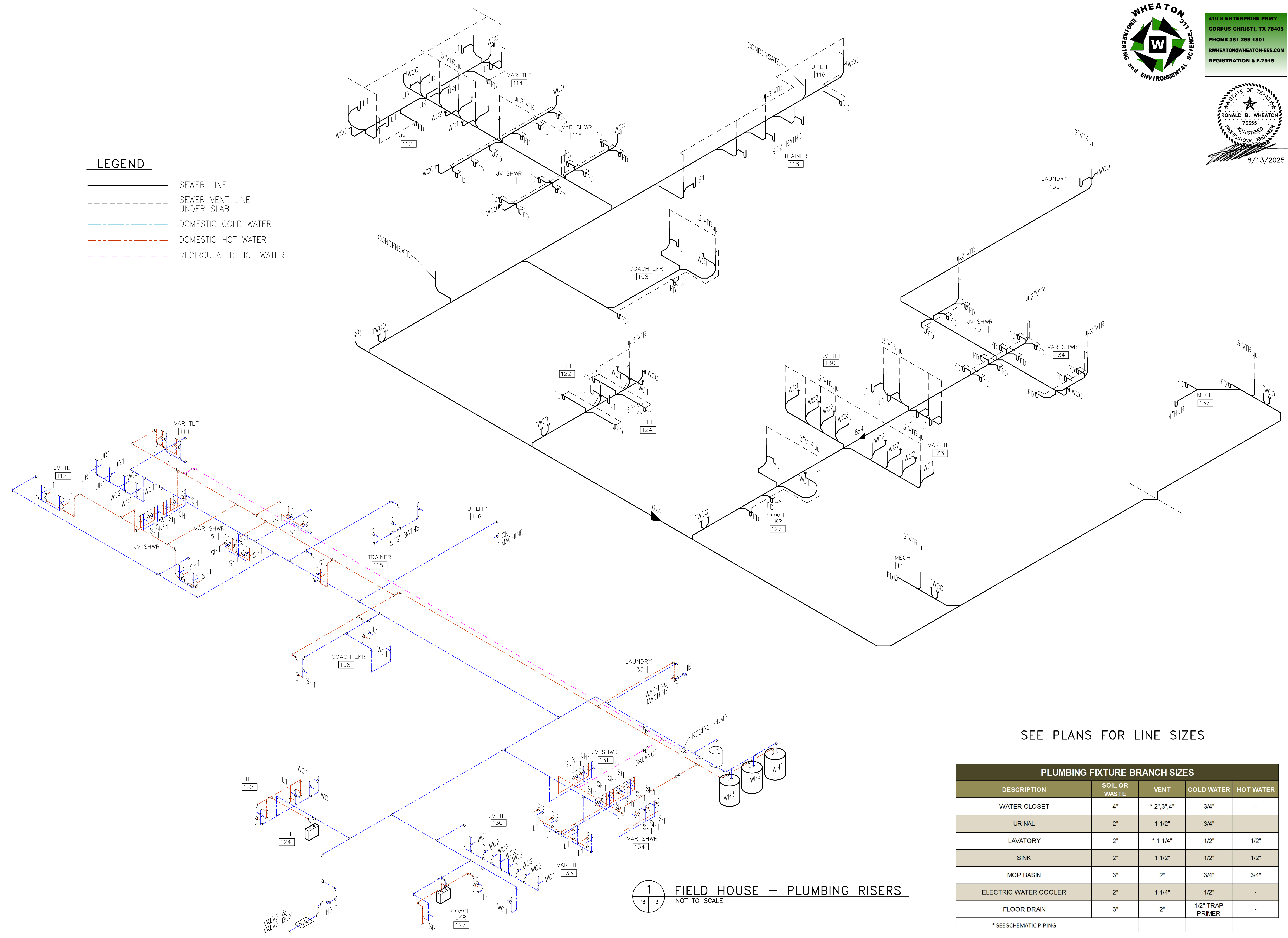


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- LEGEND**
- SEWER LINE
 - SEWER VENT LINE UNDER SLAB
 - DOMESTIC COLD WATER
 - DOMESTIC HOT WATER
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SEE PLANS FOR LINE SIZES

PLUMBING FIXTURE BRANCH SIZES				
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WATER CLOSET	4"	* 2",3",4"	3/4"	-
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ELECTRIC WATER COOLER	2"	1 1/4"	1/2"	-
FLOOR DRAIN	3"	2"	1/2" TRAP PRIMER	-
* SEE SCHEMATIC PIPING				

1 FIELD HOUSE - PLUMBING RISERS
NOT TO SCALE

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ROBSTOWN, TX

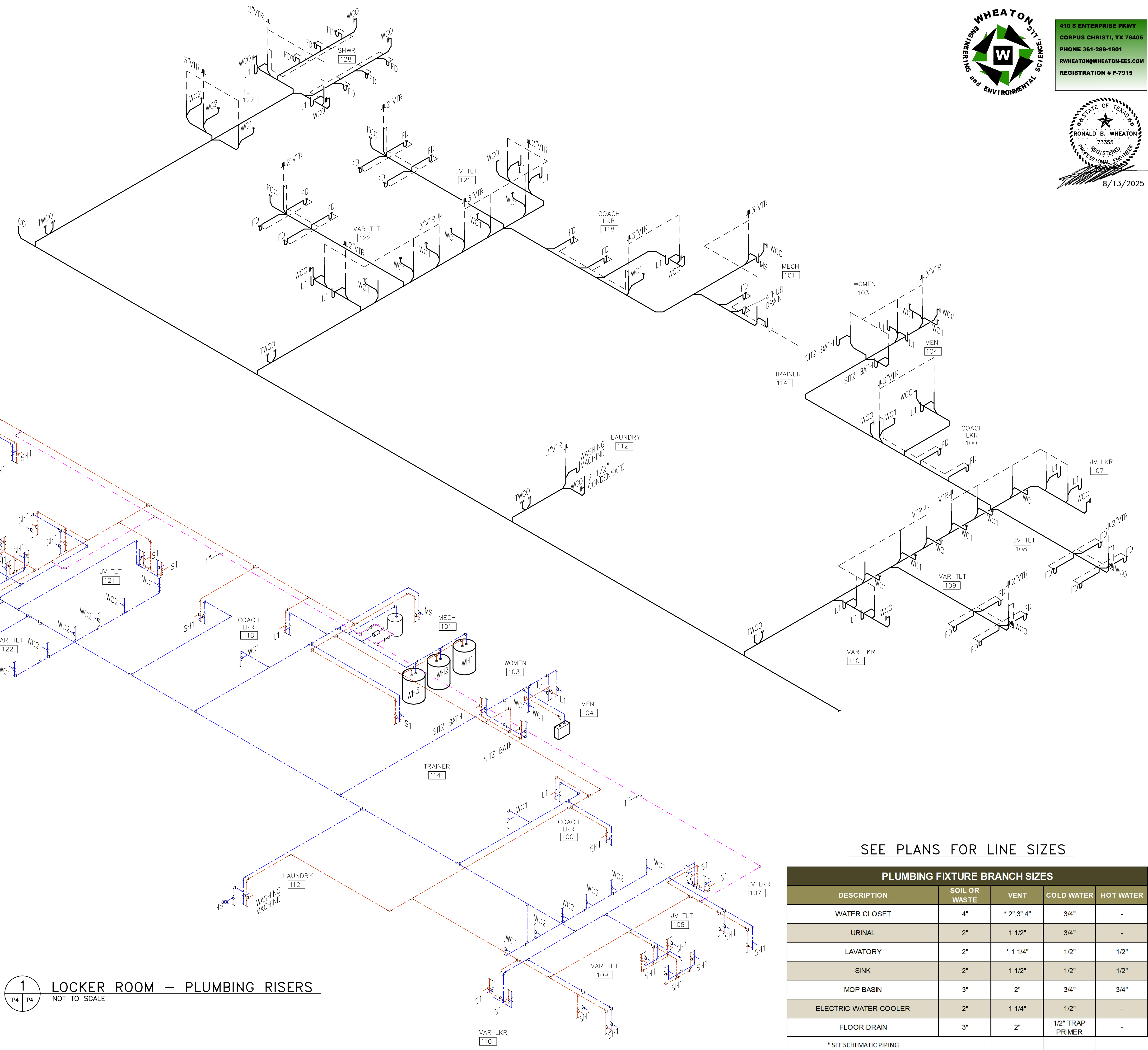


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LEGEND

- SEWER LINE
- SEWER VENT LINE UNDER SLAB
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECIRCULATED HOT WATER



1 LOCKER ROOM — PLUMBING RISERS
P4 P4 NOT TO SCALE

SEE PLANS FOR LINE SIZES

PLUMBING FIXTURE BRANCH SIZES				
DESCRIPTION	SOIL OR WASTE	VENT	COLD WATER	HOT WATER
WATER CLOSET	4"	* 2",3",4"	3/4"	-
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FLOOR DRAIN	3"	2"	1/2" TRAP PRIMER	-
* SEE SCHEMATIC PIPING				

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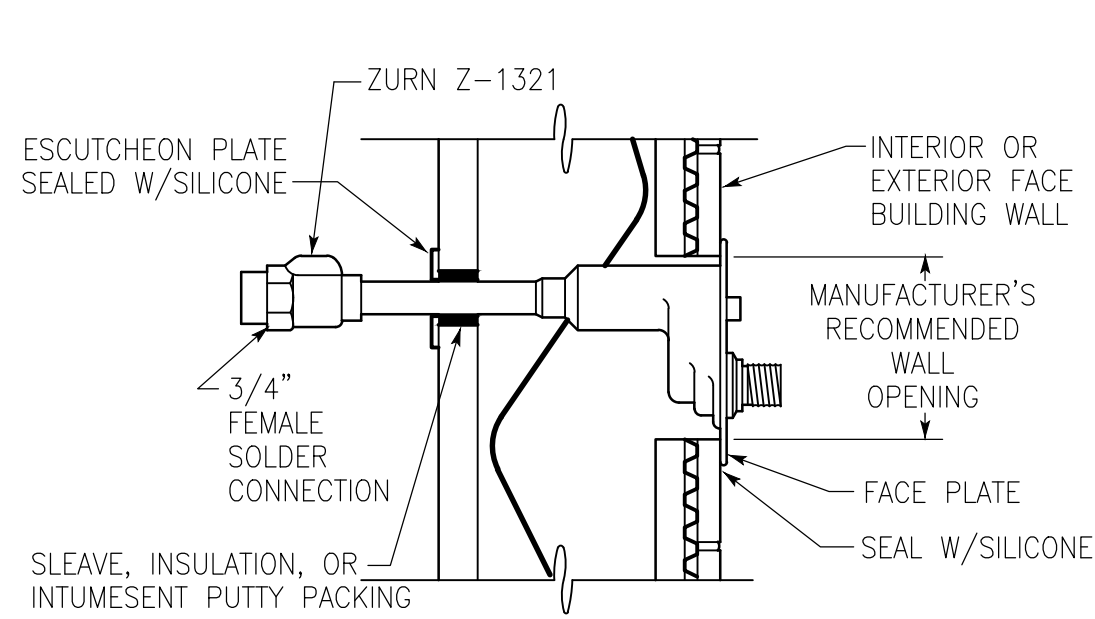
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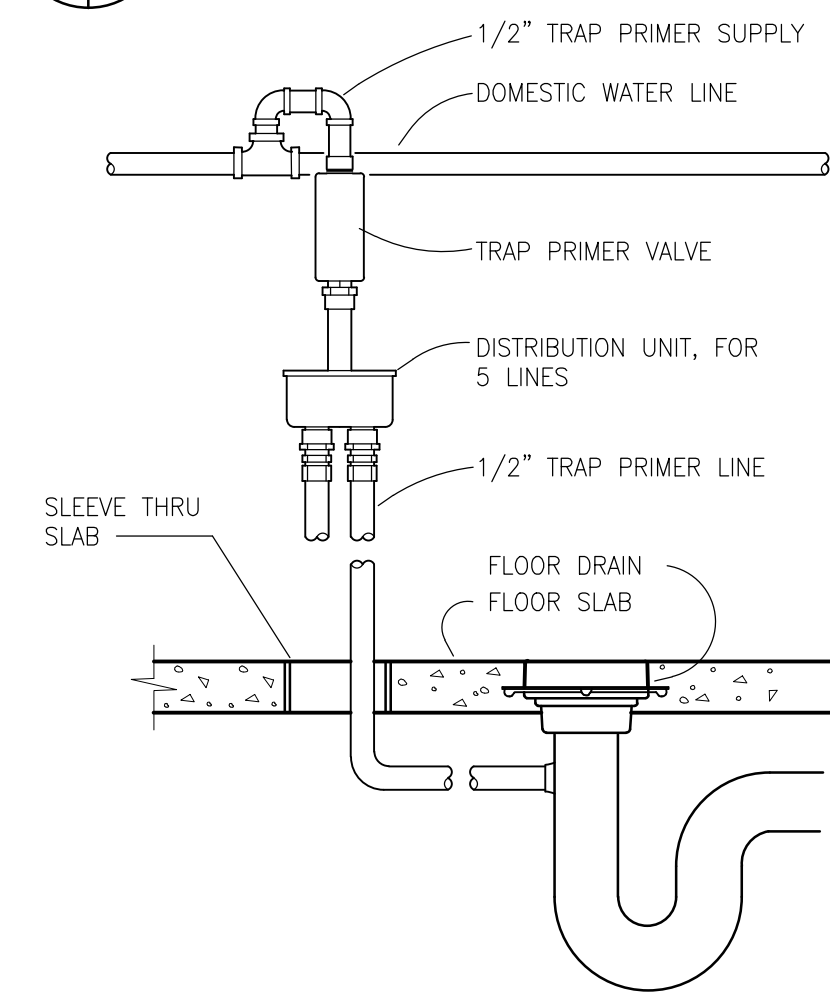


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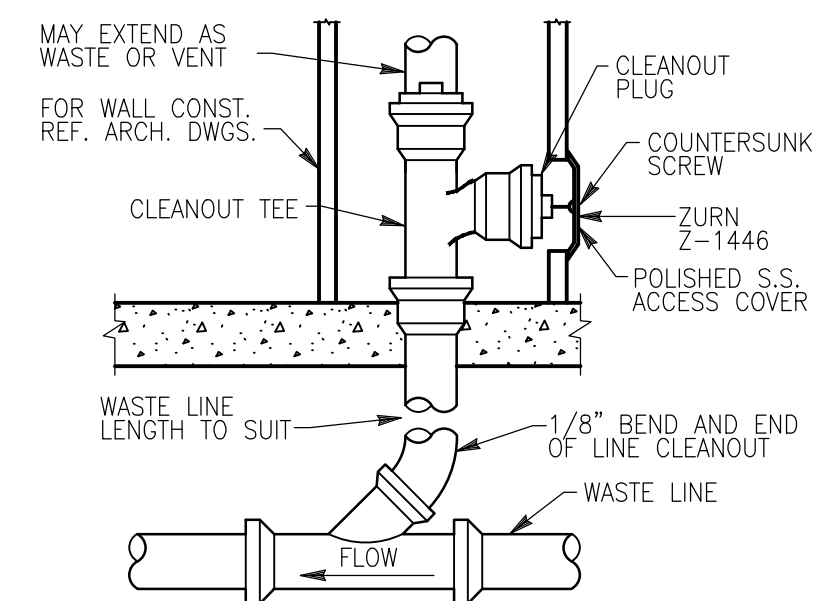
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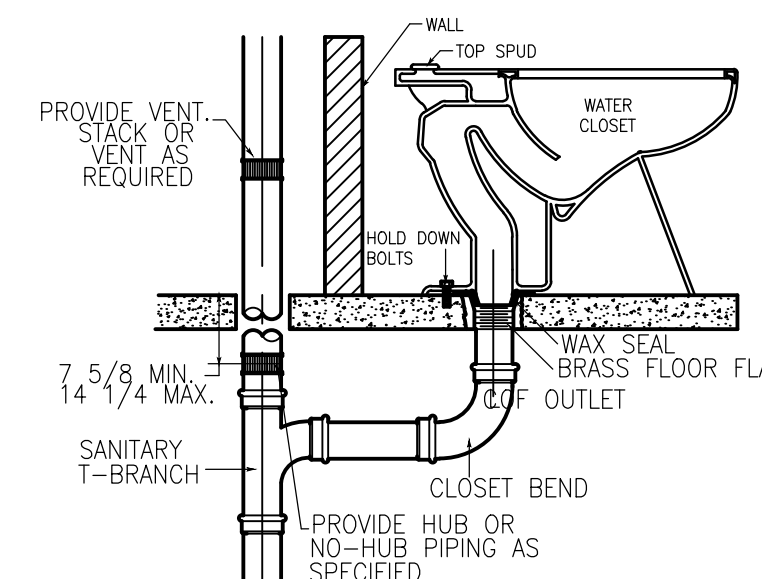
1 EXPOSED WALL HYDRANT
P5 P5 NOT TO SCALE



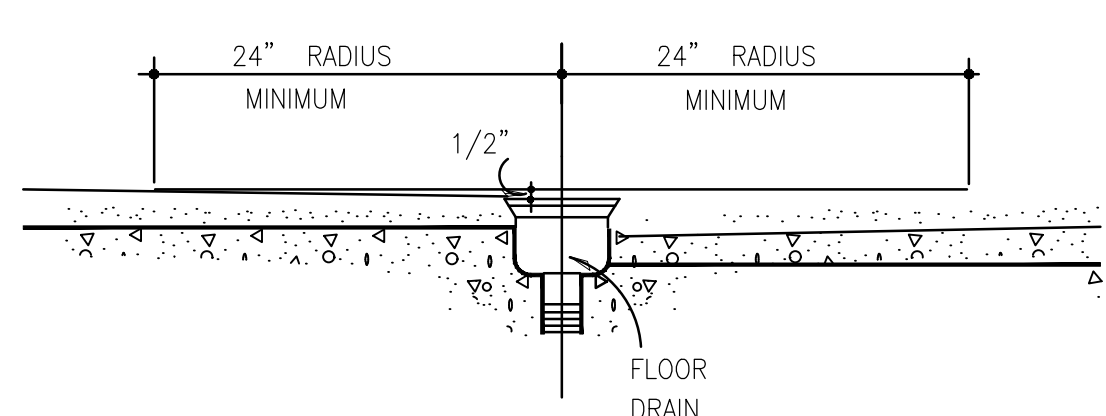
2 TRAP SEAL PRIMER DETAIL
P5 P5 NOT TO SCALE



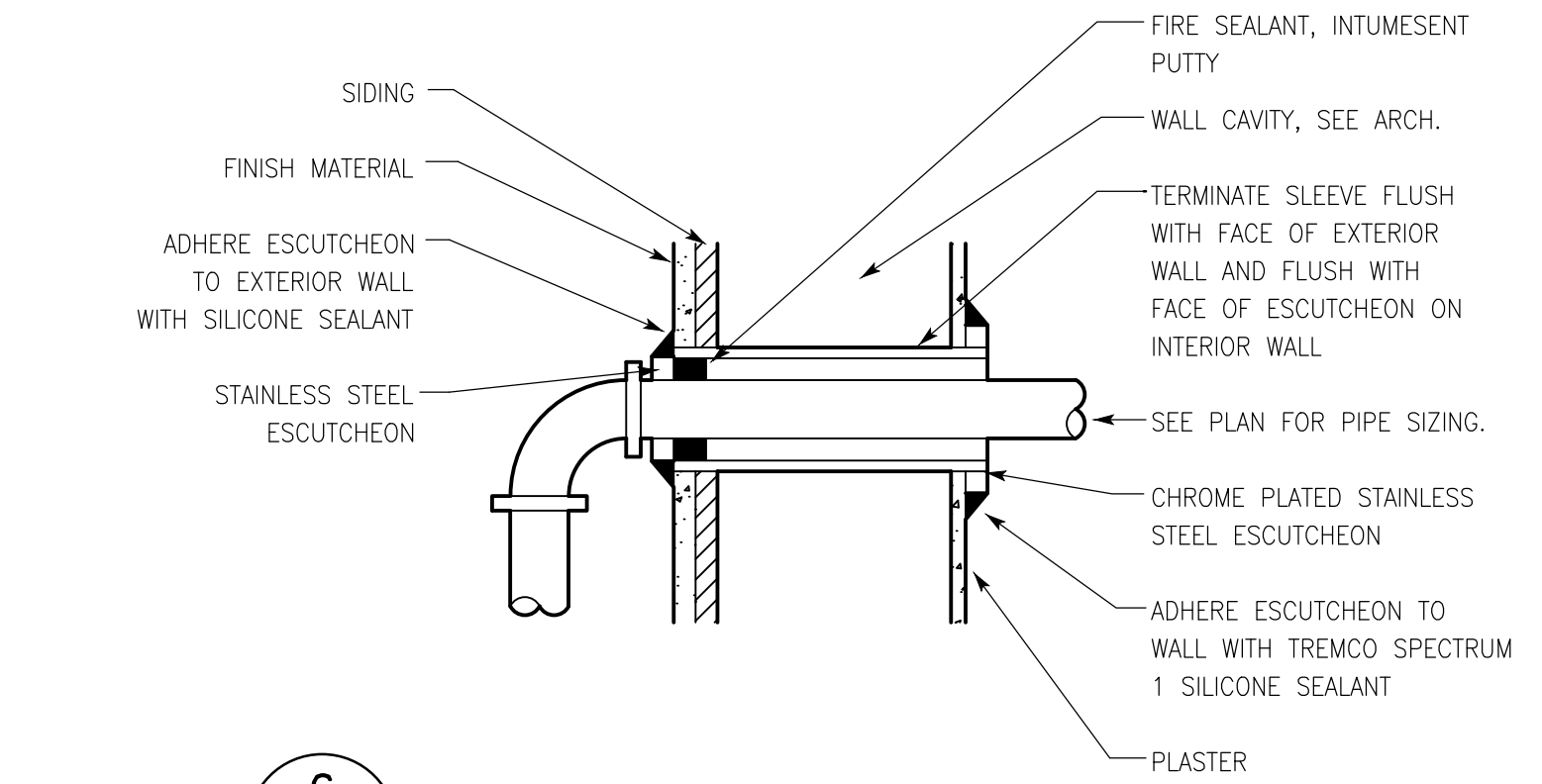
3 WALL CLEANOUT-FINISHED ROOMS
P5 P5 NOT TO SCALE



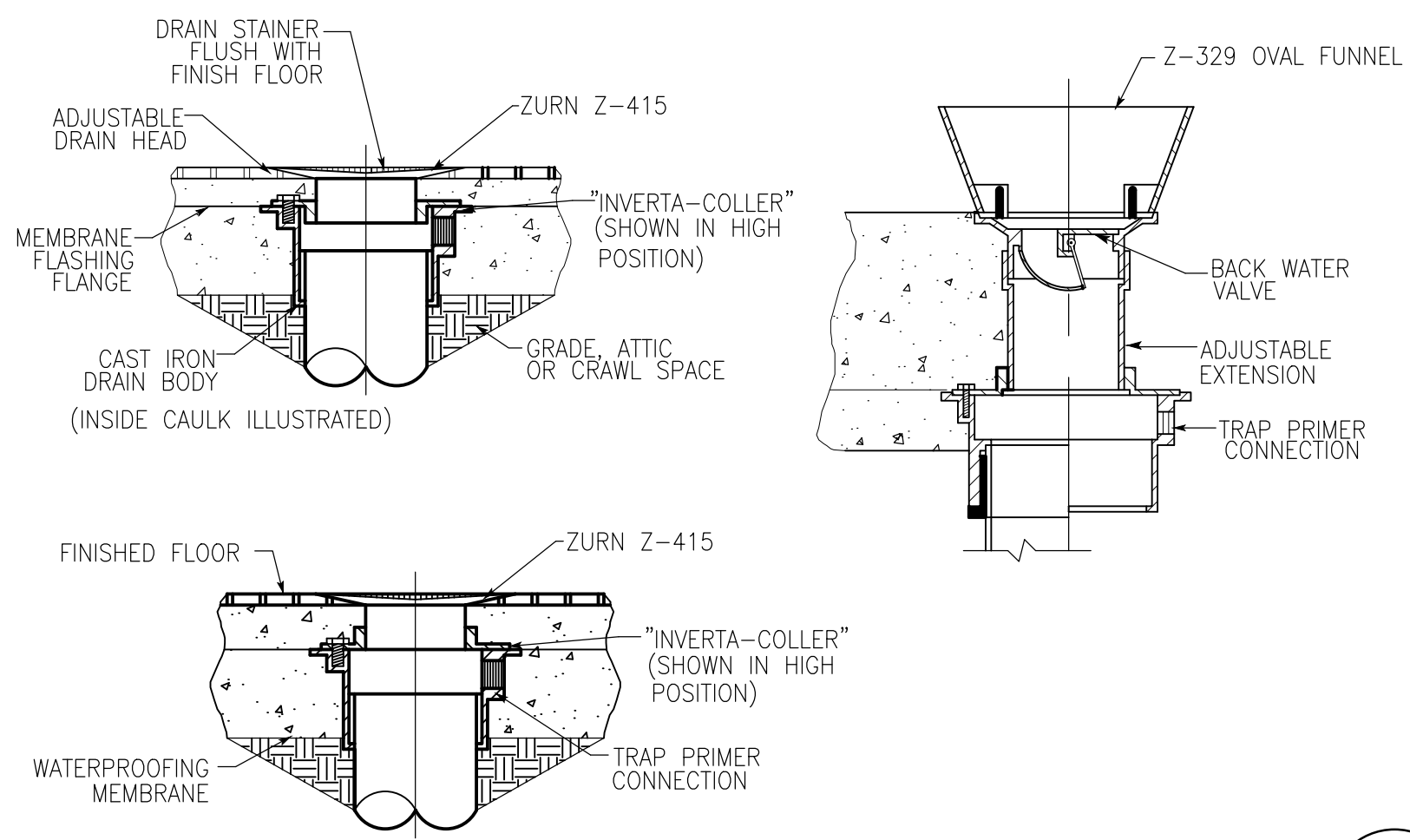
4 TYPICAL FLOOR MOUNTED WATER CLOSET INSTALLATION
P5 P5 NOT TO SCALE



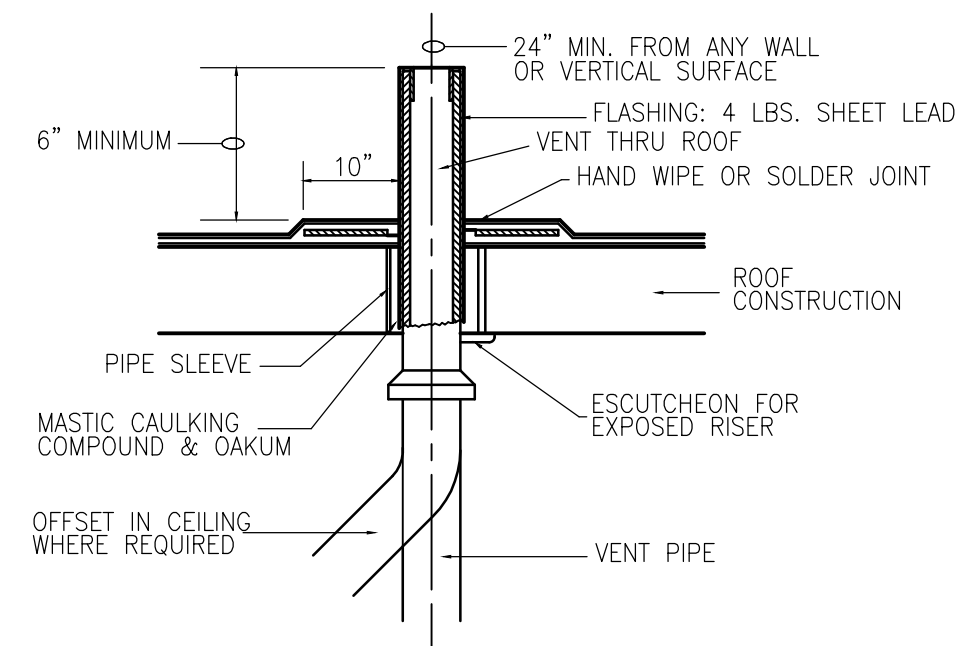
5 SECTION THRU TYPICAL FLOOR DRAIN
P5 P5



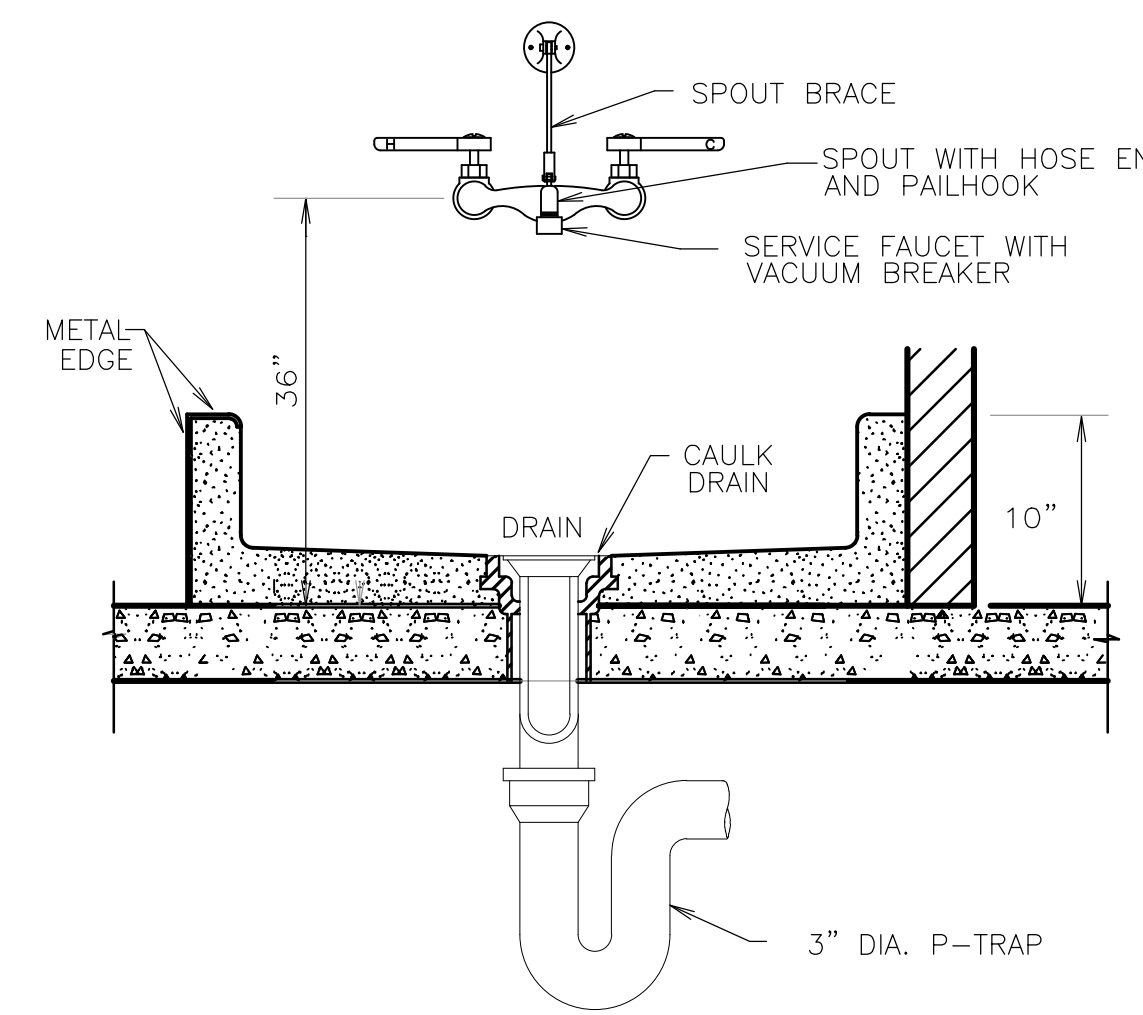
6 DETAIL-TYPICAL EXTERIOR WALL PENETRATION
P5 P5 NOT TO SCALE



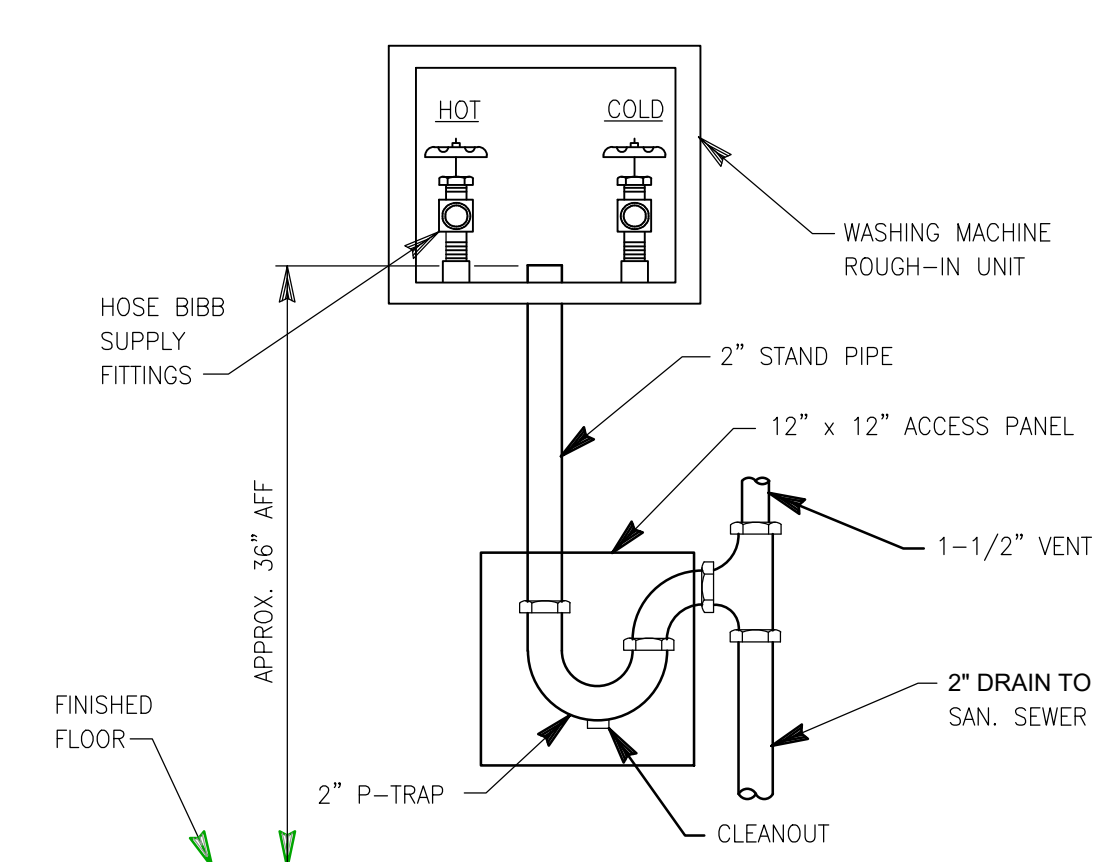
7 TYPICAL FLOOR DRAIN INSTALLATIONS
P5 P5 NOT TO SCALE



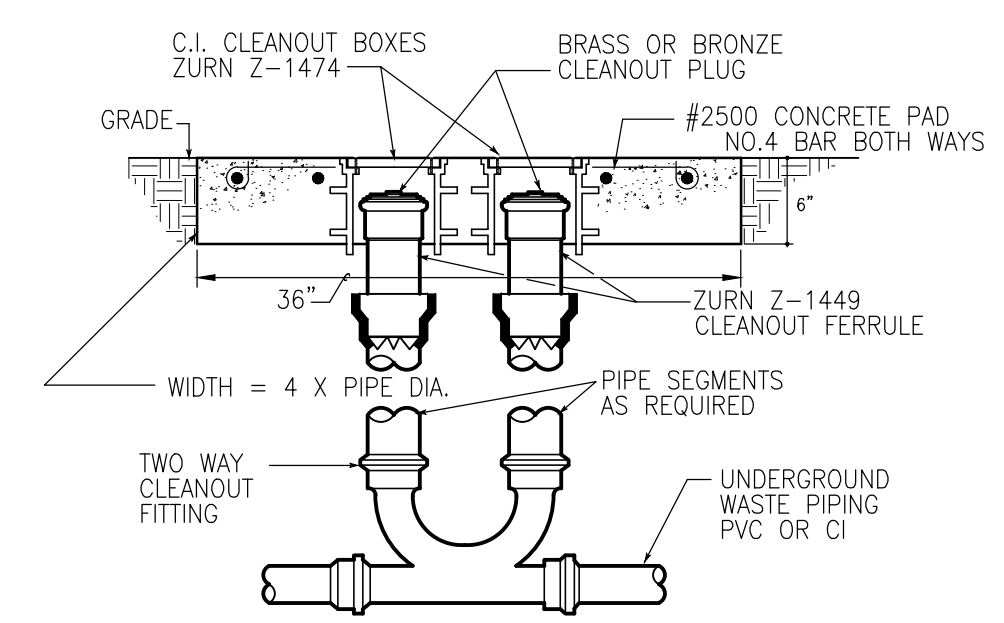
8 VENT THRU ROOF DETAIL
P5 P5 NOT TO SCALE



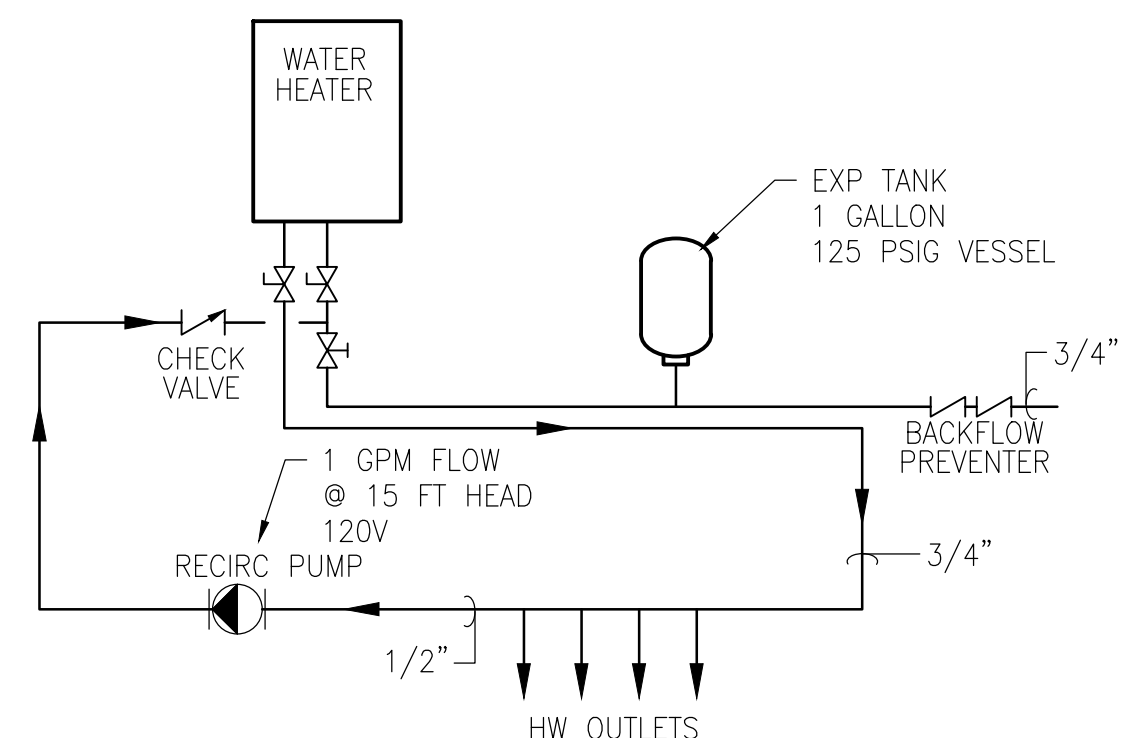
9 MOP SINK DETAIL
P5 P5 NOT TO SCALE



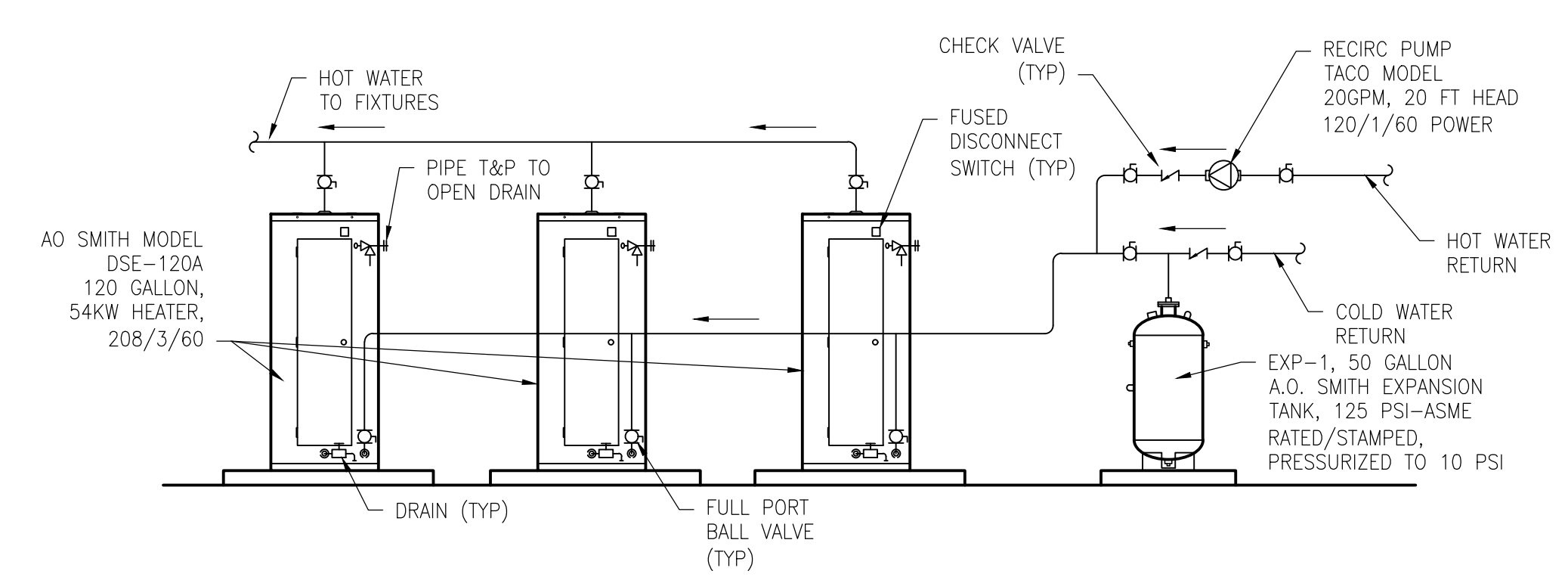
10 WASHING MACHINE HOOK-UP DETAIL
P2 P2 NOT TO SCALE



11 TYPICAL TWIN EXTERIOR CLEANOUT
P5 P5 NOT TO SCALE (FINISHED & PAVED AREAS)



12 TANKLESS WATER HEATER INSTALLATION
P5 P5 NOT TO SCALE



13 WATER HEATER INSTALLATION
P5 P5 NOT TO SCALE



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