

Project Name: **AS BUILTS**

New Cold Storage Building:

ELAYN HUNT CORRECTIONAL CENTER

Department of Corrections

St. Gabriel, Louisiana

Project Number:

08-413-21-01, F.08000137

State ID: NEW Site Code: 2-24-004

Project Address:

Elayn Hunt Correctional Center

6925 Highway 74

St. Gabriel, Louisiana 70776

Bidding and Contract Phase:

June 15, 2022

State of Louisiana Govenor:

JOHN BEL EDWARDS

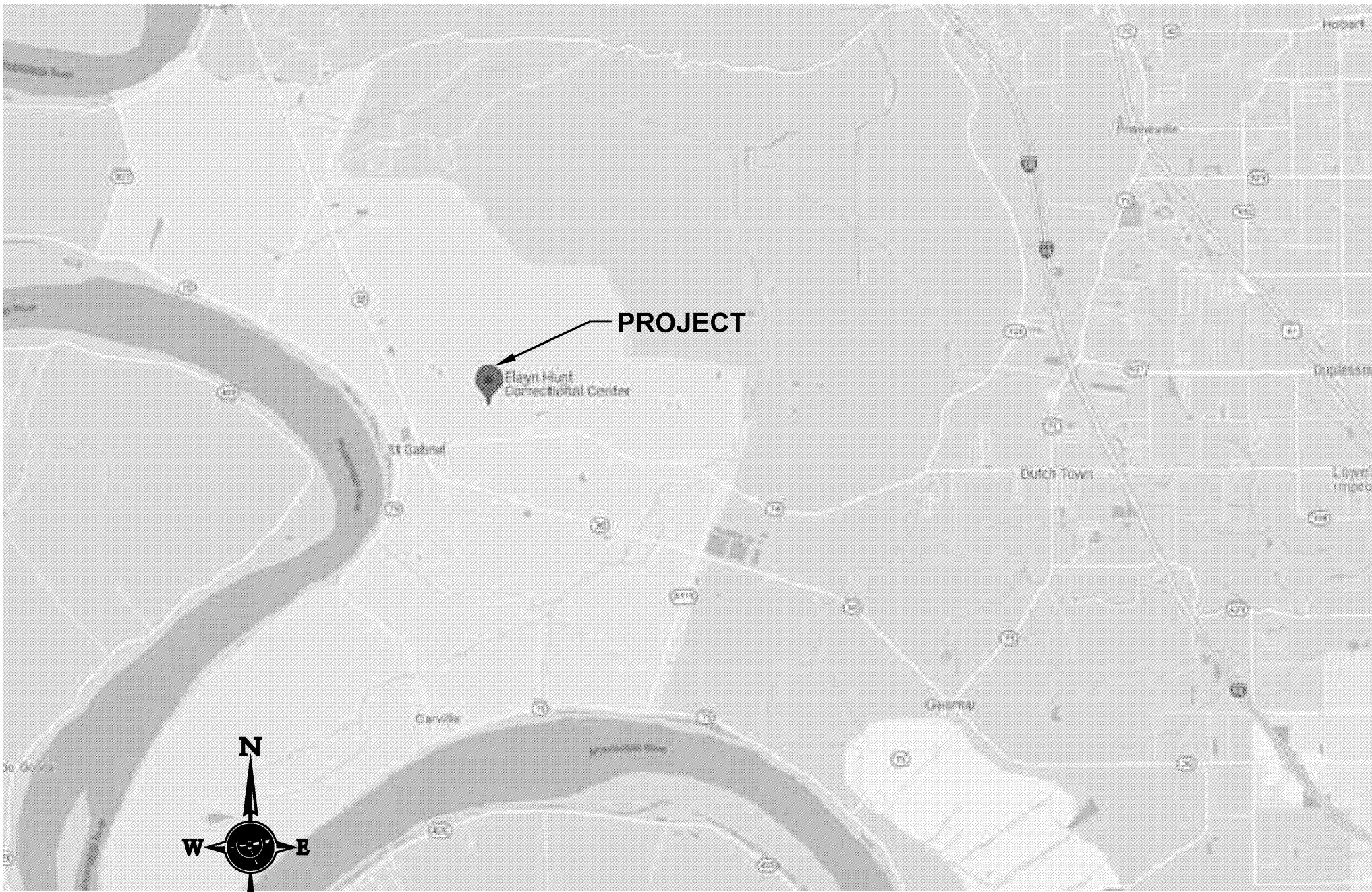
Division on Administration:

JAY DARDENNE

Office of Facility Planning

and Control:

JASON D. SOOTER



VICINITY MAP (no scale)

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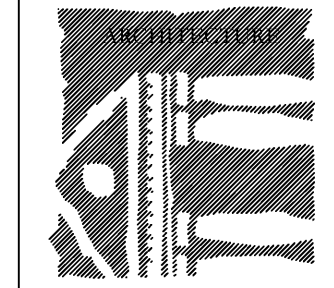
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PROJECT NOTES

- ALL WORK SHALL COMPLY WITH ALL GOVERNING LOCAL LAWS, RULES, REGULATIONS, ORDINANCES AND CODES, THE STATE, AND THE FEDERAL GOVERNMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXTENT, NATURE, AND SCOPE OF WORK DESCRIBED IN THESE DOCUMENTS AND SHALL COORDINATE WITH THE ARCHITECT WORK SHOWN AND DESCRIBED IN THESE DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, DELIVERY, HANDLING, SERVICES, SUPERVISION AND QUALITY CONTROL NECESSARY TO EXECUTE ALL WORK AS SHOWN ON THESE DRAWINGS EXCEPT WHERE SPECIFICALLY NOTED AS NOT IN CONTRACT (NIC). HE SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THAT OF ALL TRADES INCLUDING THOSE OPERATING UNDER SEPARATE CONTRACTS WITH THE OWNER / TENANT (IF ANY). ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED.
- CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BID/PROPOSAL. HE SHALL FAMILIARIZE HIMSELF COMPLETELY WITH THE DIFFICULTIES AND RESTRICTIONS AFFECTING THE EXECUTION OF THE CONTRACT.
- ALL PRODUCTS, MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS AND SPECIFICATIONS, IN COMPLIANCE WITH ALL APPLICABLE CODES, AND WITHIN THE HIGHEST ACCEPTED COMMERCIAL TRADE STANDARDS BY SKILLED, EXPERIENCED, TRAINED AND COMPETENT CRAFTSMEN. USE ONLY NEW MATERIALS UNLESS OTHERWISE APPROVED BY ARCHITECT. MATERIALS SHALL BE USED ONLY FOR THE PURPOSE FOR WHICH THEY ARE DESIGNED/INTENDED.
- ALL ASPECTS OF JOB SITE SAFETY ARE COMPLETELY THE RESPONSIBILITY OF THE CONTRACTOR. THE ARCHITECT WILL NOT HAVE CONTROL OR CHARGE OF AND WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, BRACING, BARRICADES AND PROTECTIVE BARRIERS AS REQUIRED TO INSURE SAFE EXECUTION OF DEMOLITION AND CONSTRUCTION.
- WORK AREA SHALL BE KEPT NEAT, CLEAN, AND SAFE AT ALL TIMES BY CONTRACTOR. TRASH OR DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE ON THE SITE. PREMISES SHALL BE KEPT CLEAN, ORDERLY AND SAFE AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE TRASH CONTAINERS AND TRASH REMOVAL FROM THE SITE. ALL WASTE SHALL BE PROPERLY AND LEGALLY DISPOSED OF.
- ALL DIMENSIONS, ANGLES, ELEVATIONS, CONDITIONS, AND PHYSICAL CONFIGURATIONS RELATIVE TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE SITE AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO ALLOWANCE SHALL BE MADE ON ACCOUNT OF DIFFERENCES FOUND BETWEEN ACTUAL DIMENSIONS AND MEASUREMENTS AND THOSE INDICATED ON THE DRAWINGS. ANY DIFFERENCES FOUND BETWEEN ACTUAL AND DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE AFFECTED WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATION OF NEW WORK WITH EXISTING AND TO REPAIR ANY PART OF THE EXISTING BUILDING/PROPERTIES DAMAGED DUE TO THE NEW WORK/RENOVATION WITH MATERIALS TO MATCH EXISTING.
- DO NOT SCALE ANY DRAWINGS WITHOUT SPECIFIC PERMISSION OF THE ARCHITECT. WRITTEN DIMENSIONS SHALL GOVERN CONSULT ARCHITECT FOR DIMENSIONS NOT SHOWN.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND NOTES AND SECURE FROM THE ARCHITECT ANY ADDITIONAL INFORMATION, IF NECESSARY, THAT MAY BE REQUIRED FOR A COMPLETE, CLEAR AND FULL UNDERSTANDING OF THE WORK TO ESTABLISH THE COMPLETE SCOPE OF WORK AND TO ACHIEVE CLOSE COORDINATION BETWEEN ALL TRADES. EACH TRADE SHALL COMPLETELY REVIEW ALL DRAWINGS NOT ONLY THE DRAWINGS FOR HIS RESPECTIVE TRADE, BUT ALSO FOR THE WORK OF ALL OTHER TRADES AS WELL. NO TRADE SHALL PROCEED WITH ORDERING OR INSTALLATION OF ANY MATERIALS AND/OR EQUIPMENT WITHOUT FIRST COORDINATING WITH ALL OTHER TRADES. CONTRACTOR SHALL COORDINATE SUBCONTRACTOR'S WORK REQUIREMENTS TO INSURE THAT WORK CAN PROCEED CONTINUOUSLY AND EXPEDITIOUSLY AND WILL PROVIDE THE BEST RESULTS FOR THE COMPLETED WORK. TITLES AND NAMES ON DRAWINGS ARE PROVIDED MERELY FOR CONVENIENCE AND SHALL NOT BE CONSTRUED AS A SEGREGATION OF THE UNITS OF MATERIALS AND/OR LABOR INTO TRADES.
- ALL PERMITS, LICENSES, APPROVALS, REVIEWS, AND INSPECTIONS NECESSARY FOR THE PROPER AND LEGAL EXECUTION AND COMPLETION OF THE WORK SHALL BE SECURED BY AND PAID FOR BY THE CONTRACTOR. CONTRACTOR SHALL GIVE ALL NOTICES TO ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE WORK. CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF ANY WORK. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL DRAWINGS AND OTHER DOCUMENTS AS APPROVED BY ALL PERMITTING AUTHORITIES.
- THE DRAWINGS ARE INTENDED TO DEFINE THE GENERAL DESIGN AND SCOPE OF THE WORK REQUIRED TO COMPLETE THE PROJECT. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE FOR COMPLETE AND FINISHED WORK AND COMPLETE AND OPERATING SYSTEMS. ANY OMISSIONS IN THESE NOTES OR IN THE DRAWINGS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF SUCH RESPONSIBILITIES IMPLIED BY THE SCOPE OF WORK EXCEPT FOR ITEMS SPECIFICALLY NOTED. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE BIDDING/CONTRACT DOCUMENTS AND SECURE FROM THE ARCHITECT ADDITIONAL INFORMATION, IF NECESSARY, THAT MAY BE REQUISITE TO A CLEAR AND FULL UNDERSTANDING OF THE WORK. ALL MISCELLANEOUS COMPONENTS, PARTS, ANCHORS, ACCESSORIES, MEANS OF INSTALLATION, DEMOLITION AND OTHER INCIDENTAL ITEMS REQUIRED FOR COMPLETE ASSEMBLY/INSTALLATION OF AN ITEM OR SYSTEM SHALL BE PROVIDED, WHETHER OR NOT SPECIFICALLY NOTED OR SPECIFIED. THE CONTRACTOR SHALL INCLUDE ALL COMPONENTS WHICH ARE NORMALLY INCIDENTAL TO THE WORK. THOSE COMPONENTS WHICH ARE REQUIRED AS AN ESSENTIAL AESTHETIC, FUNCTIONAL, OR CODE REQUIRED ELEMENT OF THE WORK ARE TO BE INCLUDED. ANY WORK OR MATERIAL THAT IS NOT DIRECTLY OR INDIRECTLY NOTED ON THE DRAWINGS BUT IS NECESSARY FOR THE PROPER CARRYING OUT OF THE OBVIOUS INTENTION IS TO BE UNDERSTOOD AS "IMPLIED" AND IS TO BE PROVIDED BY THE CONTRACTOR AS FULLY AS IF SPECIFICALLY DESCRIBED OR DELINEATED HEREIN. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR INTERPRETATION OR CORRECTION BEFORE WORK IS EXECUTED.

- PRIOR TO START OF WORK, CONTRACTOR SHALL DETERMINE AND PROPERLY ALLOW FOR EXACT ANCHORING, BRACING, BLOCKING, AND INSTALLATION MEANS OF ALL COMPONENTS OF WORK.
- THE ARCHITECT HAS NOT BEEN RETAINED NOR COMPENSATED TO PROVIDE DESIGN OR CONSTRUCTION REVIEW SERVICES RELATING TO THE JOBSITE SAFETY AND CONTRACTOR'S SAFETY PRECAUTIONS OR RELATING TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO PERFORM HIS WORK. HENCE, THE ARCHITECT IS NOT RESPONSIBLE OR LIABLE IN ANY WAY FOR MATTERS ASSOCIATED WITH THE JOBSITE SAFETY. OMITTED SERVICES INCLUDE BUT ARE NOT LIMITED TO SHORING, BRACING, SCAFFOLDING, UNDERPINNING, NEEDLING, TEMPORARY RETAINMENT OF EXCAVATIONS AND ANY ERECTION METHODS AND TEMPORARY BRACING AND GUYS WHERE EXISTING BEARINGS WALLS, COLUMNS, BEAMS, OR OTHER STRUCTURAL SUPPORT OF THE EXISTING BUILDING IS BEING REMOVED OR MANIPULATED. CONTRACTORS SHALL DO ALL NECESSARY SHORING, NEEDLING, UNDERPINNING, BRACING, ETC. AS REQUIRED TO MAINTAIN SAFETY OF THE STRUCTURE, WORKERS, AND THE GENERAL PUBLIC UNDER DIRECTION OF HIS OWN PROFESSIONAL ENGINEER. NO STRUCTURAL MEMBER SHALL BE CUT OR MANIPULATED IN ANY WAY WITHOUT PRIOR APPROVAL.
- SIGNAGE IS NOT A PART OF THIS PROJECT.
- ALL WORK WILL BE SUBJECT TO THE REVIEW, INSPECTION, AND ACCEPTANCE OF THE OWNER (AND THE ARCHITECT AT THE DISCRETION OF THE OWNER) UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER TO PREPARE A "PUNCHLIST" OF NEEDED CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK. ALL PROGRESS PAYMENTS WILL HAVE A RETAINAGE WITHHELD AS OUTLINED IN THE SUPPLEMENTARY CONDITIONS SECTION 9.2.1.1 IN THE PROJECT MANUAL. PROGRESS PAYMENTS WILL BE MADE MONTHLY. NO DOWN PAYMENTS OR PREPAYMENTS OF ANY KIND WILL BE MADE. CONTRACTOR SHALL SUBMIT ITEMIZED AND DETAILED MONTHLY REQUESTS FOR PAYMENT, WHICH ARE SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT. CONTRACTOR SHALL SUBMIT A DETAILED ITEMIZED SCHEDULE OF VALUES WITH THE PROPOSAL. PAY REQUESTS SHALL BE BASED ON ACTUAL AMOUNT OF WORK COMPLETED (PERCENTAGE OF THE TOTAL FOR EACH LINE ITEM IN THE SCHEDULE OF VALUES). RETAINAGE WILL BE PAID UPON FINAL ACCEPTANCE OF ALL WORK AND UPON CONTRACTOR PROVIDING THE OWNER WITH CLEAR LIEN AND PRIVILEGE CERTIFICATE FROM THE CLERK OF COURTS.
- CONTRACTOR SHALL PAY ALL APPLICABLE SALES TAXES AND ALL OTHER APPLICABLE TAXES AS PART OF THE BASE BID.
- PROJECT INCLUDES ALL REQUIRED PREPARATION AND SELECTIVE DEMOLITION. PROTECT ALL SURROUNDING AREAS DURING CONSTRUCTION. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN DURING ENTIRE CONSTRUCTION PERIOD. PROTECT THE STORE EMPLOYEES AND PATRONS DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR MUST CONTAIN HIS WORK AND THE AFFECTS OF HIS WORK TO A LIMITED WORK AREA. RESTORE ALL AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER WITHOUT ADDITIONAL COMPENSATION. THIS INCLUDES GRADING ANY DISTURBED GRADES AND RESTORATION OF THE TURF AND LANDSCAPING. CONTRACTOR SHALL REVIEW WITH THE OWNER IN THE FIELD ALL EXISTING DAMAGE TO EXISTING CONSTRUCTION AND SITE. A DETAILED LIST SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO THE START OF WORK. ANY DAMAGE NOT ON THE APPROVED LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT. IT IS SUGGESTED THAT THE LIST BE SUPPLEMENTED WITH PHOTOGRAPHS.
- DURING THE BIDDING OR NEGOTIATION PERIOD, ANY DISCREPANCIES, CONFLICTS, AND/OR QUESTIONS OF INTERPRETATIONS IN THE DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PROMPTLY FOR CLARIFICATION. THE ARCHITECT WILL ISSUE WRITTEN ADDENDA TO BIDDERS CLARIFYING SUCH MATTERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR VERBAL INSTRUCTIONS. NO ALLOWANCE SHALL BE MADE AFTER THE BID OPENING FOR MISUNDERSTANDING ON THE PART OF THE CONTRACTOR. IT SHALL BE HELD THAT ALL BIDDERS AND THEIR SUBCONTRACTOR/MATERIAL SUPPLIERS HAVE EXAMINED ALL DRAWINGS/DOCUMENTS/ADDENDA AND THE SITE FOR PROPER COMPREHENSION OF THE WORK.
- CONTRACTOR SHALL EMPLOY EXPERIENCED, FULLY QUALIFIED AND LICENSED SUB-CONTRACTORS AND MAINTAIN COOPERATION AMONG ALL TRADES.
- THE CONTRACTOR SHALL SUB-CONTRACT WITH SUPPLIERS, FABRICATORS, AND INSTALLERS THAT CAN DEMONSTRATE THAT THEY POSSESS THE KNOWLEDGE, EXPERIENCE, EXPERTISE, PERSONNEL, AND PROVEN CAPABILITIES IN THE WORK SPECIFIED TO FULLY PERFORM ALL ASPECTS OF THE WORK (OR A SPECIFIC DESIGNATED PORTION OF THE WORK) REQUIRED WITHOUT OMISSION OR EXCEPTION.
- PRECAUTIONS AND PROTECTIVE MEASURES SHALL BE USED AS REQUIRED TO PROTECT WORKERS, AND THE GENERAL PUBLIC. ERECT SUITABLE TEMPORARY BARRIERS AT HAZARDOUS AREAS TO DETOUR PEDESTRIAN TRAFFIC AND TO PREVENT NORMAL ACCESS TO SUCH AREAS BY UNAUTHORIZED PERSONS.
- REFER TO SUPPLEMENTARY CONDITIONS ARTICLE 11.
- REFER TO SPECIFICATION BOOK ON TESTING.
- IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTOR OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY THE ARCHITECT WITHOUT OBTAINING THE ARCHITECT'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST THE ARCHITECT AND TO RELEASE THE ARCHITECT FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH CHANGES. ADDITIONALLY, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY LEVEL FROM MAKING ANY CHANGES OR MODIFICATIONS TO THE ARCHITECT'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH THE ARCHITECT AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE **CLEAN AIR ACT**, AS AMENDED (33 U.S.C. 1251 ET SEQ.), AND THE **LOUISIANA ENVIRONMENTAL QUALITY ACT**, AS AMENDED (LA. R.S. 30:2001 ET SEQ.), RULES AND REGULATIONS EFFECTIVE OR PROMULGATED UNDER THE AUTHORITY OF SAID ACTS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND PURCHASING ALL REQUIRED PERMITS INCLUDING THE **LOUISIANA POLLUTANT DISCHARGE ELIMINATION SYSTEM (LPDES)** GENERAL PERMIT. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE REQUIREMENTS SET FORTH BY THE LPDES PERMIT AUTHORITIES, WHICH AUTHORIZES THE DISCHARGE OF STORM WATER FROM SMALL CONSTRUCTION ACTIVITIES WHICH DISTURBS AN AREA OF LAND GREATER THAN ONE ACRE, (GREATER THAN ONE ACRE BUT LESS THAN FIVE ACRES), TO WATERS OF THE STATE.
- IN CASE OF DISCREPANCIES AND/OR AMBIGUITIES IN THE DRAWINGS AND/OR IN THE SPECIFICATIONS, CONSULT ARCHITECT PRIOR TO SUBMISSION OF A PROPOSAL/BID. FAILURE TO DO SO ON THE PART OF THE SUCCESSFUL BIDDER SHALL BE CONSTRUED AS EXPLICIT AGREEMENT ON HIS PART TO ABIDE BY THE ARCHITECT'S DECISION IN SUCH MATTERS.
- ALL FACILITIES USED BY THE CONTRACTOR ARE TO BE RETURNED TO THE CONDITION IN WHICH THEY WERE FOUND AT THE START OF THE PROJECT. CONTRACTOR SHALL NOTE AND RECORD THE CURRENT CONDITION PRIOR TO THE START OF ANY WORK.
- PORTABLE HAND HELD FIRE EXTINGUISHERS SHALL BE PROVIDED AS PER NFPA
- ALL FIRE EXTINGUISHERS SHALL BE UL LISTED/LABELED AND FM APPROVED. A REGISTERED/CERTIFIED FIRE EXTINGUISHER FIRM SHALL PERFORM ALL FIRE EXTINGUISHER WORK.
- INSTALL SMOKE DETECTORS TO AUTOMATICALLY STOP THE FAN IN HVAC DUCT SYSTEMS OVER 2000 CFM IN ACCORDANCE WITH NFPA 90A.
- LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL DEVICE OR SPECIAL KNOWLEDGE TO OPEN IN THE DIRECTION OF EGRESS. LOCKS ON EGRESS DOORS SHALL BE OPERABLE WITH ONLY ONE RELEASING OPERATION. A TWO STEP RELEASE, SUCH AS A KNOB AND/OR INDEPENDENT SLIDE BOLT, IS NOT ACCEPTABLE.
- INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IBC, LATEST EDITION.
 - CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPED OF 0-450 EXCEPT THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
 - EXPOSED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPED OF 0-450.
 - INTERIOR WALLS AND CEILING SHALL HAVE A FLAME SPREAD OF 0-75 AND A SMOKE DEVELOPMENT RATING OF 0-450.
 - CELLULOSE FIBER THERMAL INSULATION SHALL MEET REQUIREMENTS OF IBC 719.
 - FOAM PLASTIC INSULATION SHALL MEET REQUIREMENTS OF IBC 719



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REVISIONS

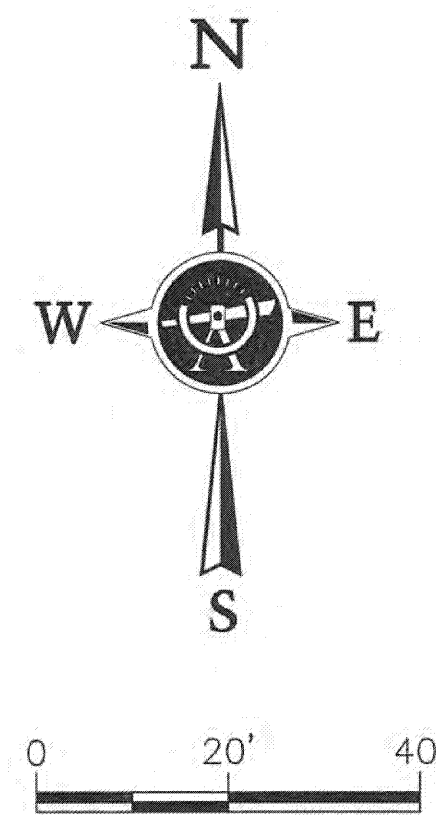
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Date: 6-15-22
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BIDDING AND CONTRACT PHASE

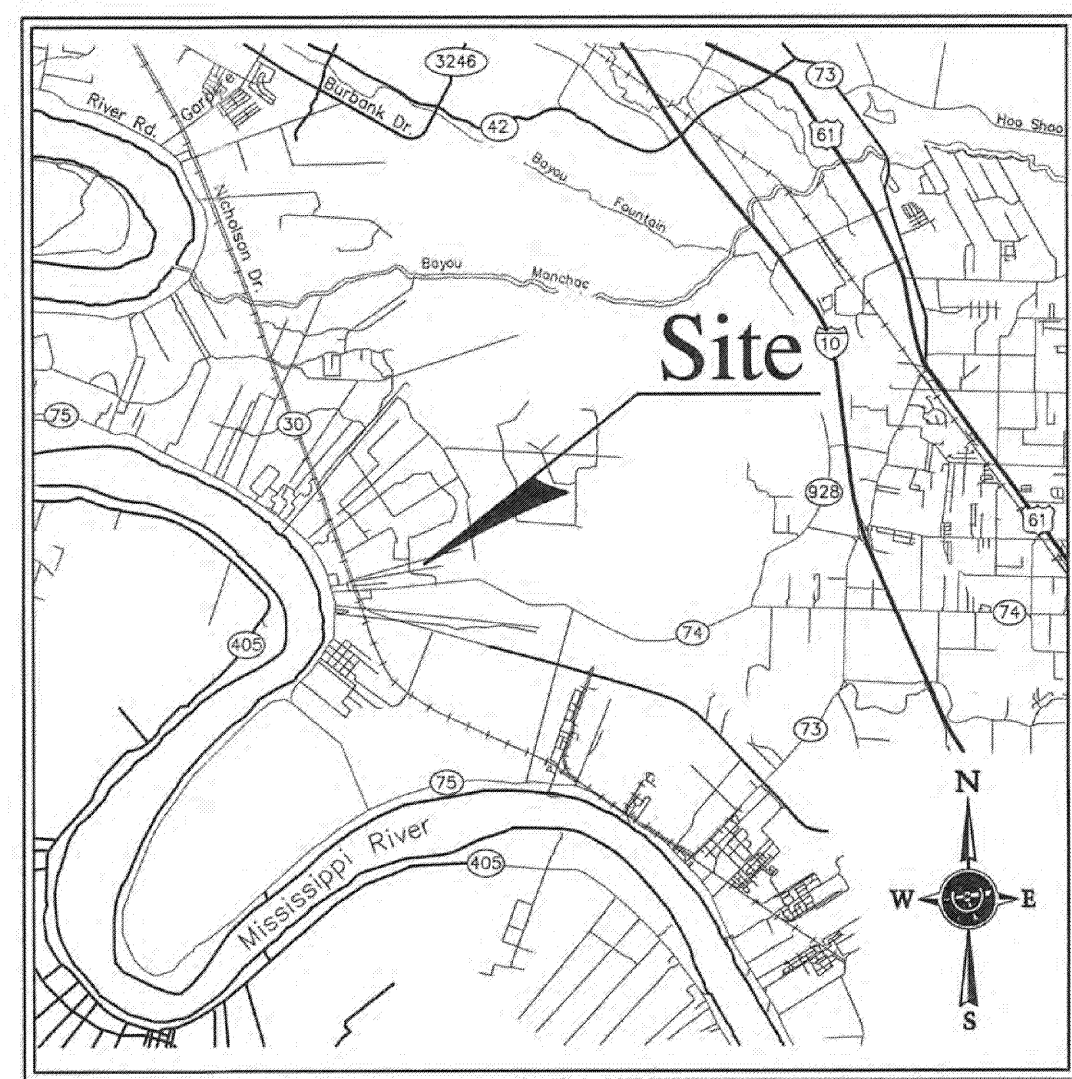
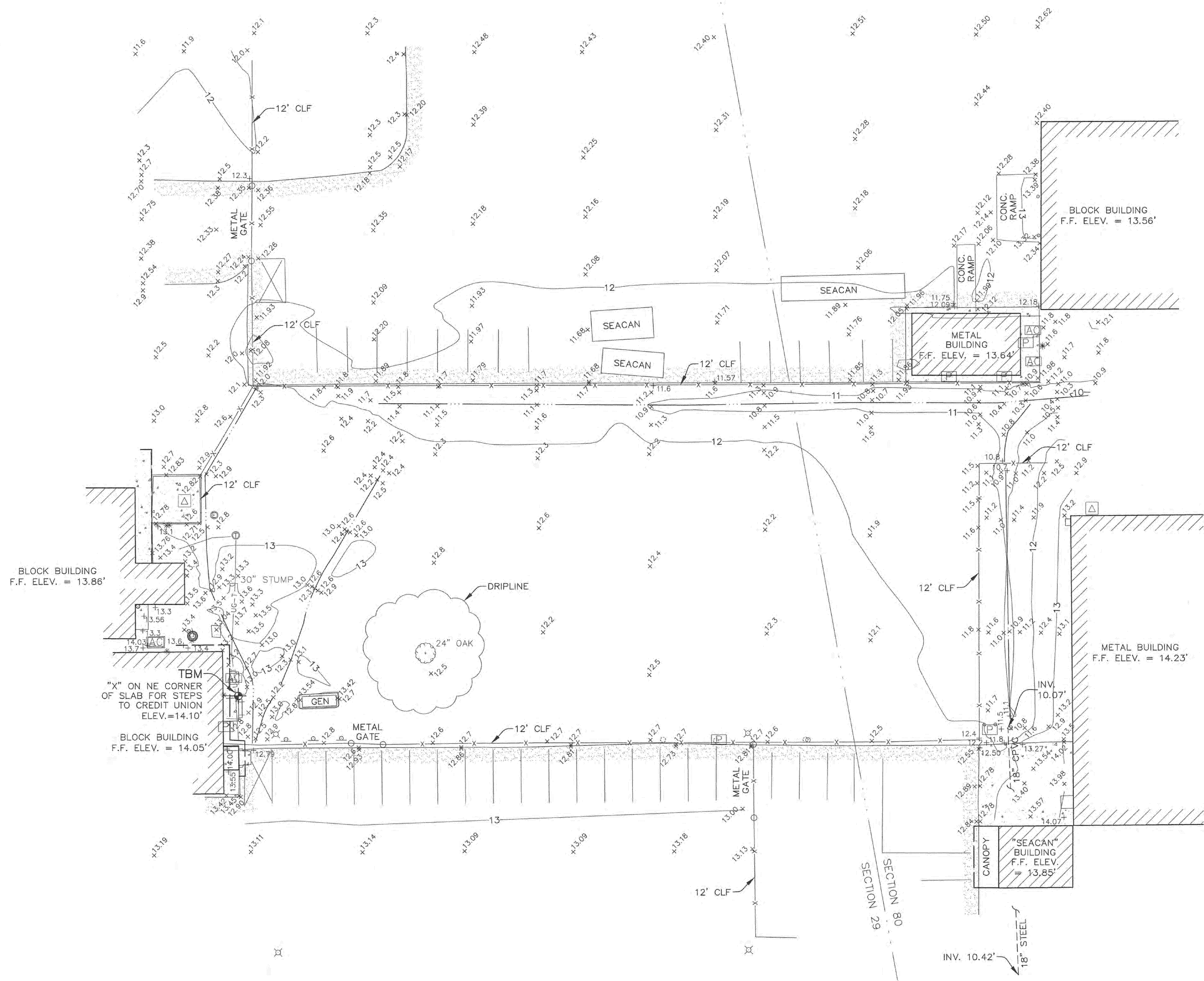
New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections
St. Gabriel, LA
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

Sheet No: **T-1.1**
Of



LEGEND

- Underground Drain Line
- UG-T Underground Telephone Line
- Guard Rail
- x- Fence Line
- △ Pad Mounted Transformer
- P Electric Junction Box
- ⊙ Electric Manhole
- Pipe Stub-Up
- Water Faucet
- ⊙ Telephone Manhole
- ⊙ Septic Tank
- ⊙ Sewer Cleanout
- Sign
- Bollard
- AC Air Conditioner Unit
- ⊙ Area Light
- ⊙ Tree Stump
- CLF Chain Link Fence
- GEN Generator
- CONC. Concrete
- ⊙ Temporary Bench Mark
- Asphalt Pavement
- Concrete Pavement

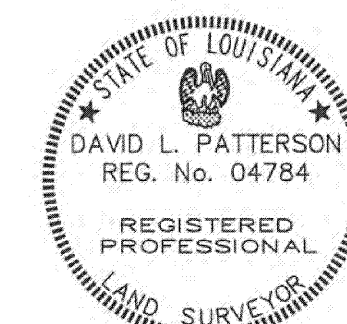


VICINITY MAP
NOT TO SCALE

GENERAL NOTES:

- Flood Note: In accordance with FEMA Flood Insurance Rate Map Panel No. 22047C0240D for Iberville Parish Louisiana, last revised November 6, 2013, the property shown hereon is located in Flood Zone "X" (With Shading). Nearest adjacent Base Flood Elevation = 11 feet (NAVD 1988). The current base flood and inundation elevations are subject to change and should be verified with the Department of Development prior to issuance of building permits.
FLOOD AREAS DEFINED:
Zone "X" (With Shading): Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
Flood Insurance Rate Maps are revised frequently and can be found online at: msc.fema.gov
- Zoning information should be verified with City/Parish Planning Commission.
- Elevations and TBM's were derived from the Leica Network System using Trimble R8 dual frequency GPS units. NAVD 1988 datum, Geoid 18.
- No attempt has been made by LandSource, Inc., to verify title, actual legal ownerships, deed restrictions, servitudes, easements, or other burdens on the property other than that furnished by the client or his representative.
- Utilities: The location of underground utilities was not in the scope of this survey.
- All spot elevations are not shown for clarity of the drawing.
- Section lines were digitized from the Iberville Parish Assessors site. They are shown for reference only and were not field verified at the time of this survey.

MAP SHOWING PARTIAL TOPOGRAPHIC SURVEY
OF A PORTION OF
ELAYN HUNT CORRECTIONAL CENTER
LOCATED IN SECTIONS 29 & 80, T-9-S, R-1-E,
SOUTHEASTERN LAND DISTRICT
EAST OF THE MISSISSIPPI RIVER,
IBERVILLE PARISH, LOUISIANA
FOR
CRESS & LOPRESTO ARCHITECTS, LLC



CERTIFICATION:

I hereby certify that I made a survey on the grounds of the property shown and that this drawing accurately reflects the findings of said survey.

David L. Patterson
David L. Patterson, P.L.S.
La. Registration No. 04784

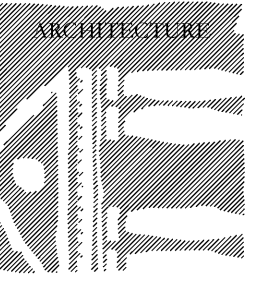
23 MARCH 2022
Date

DATE: MAR. 23, 2022
JOB #: 21-583-01
DWN. BY: SLP
CKD. BY: DLP

SHEET NO:

A-0.0
OF:

One Louisiana
Call before
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REVISIONS

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Date: 6-15-22

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BIDDING AND CONTRACT PHASE

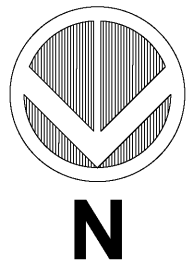
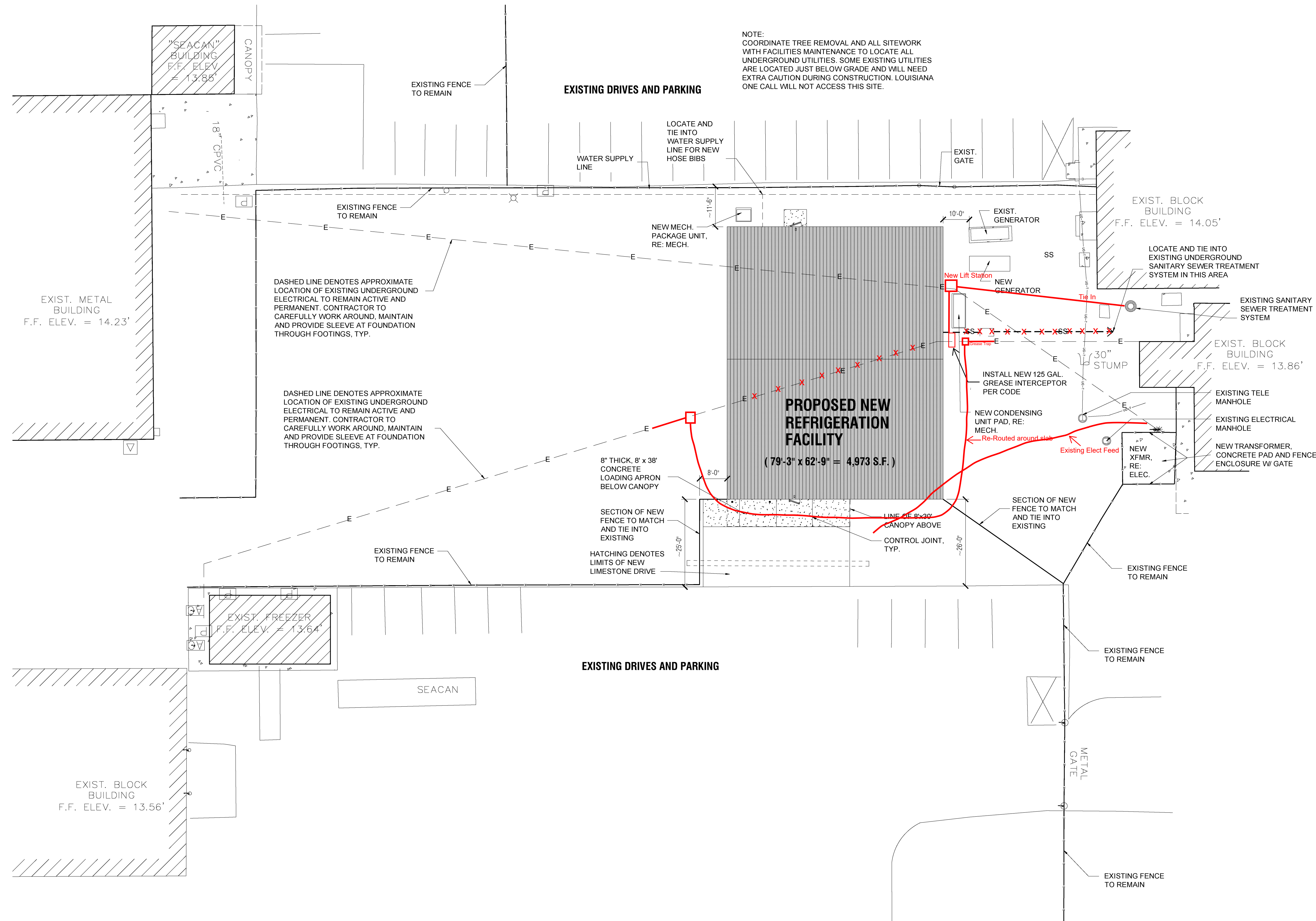
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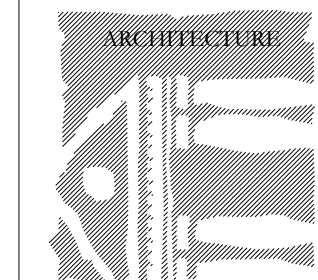
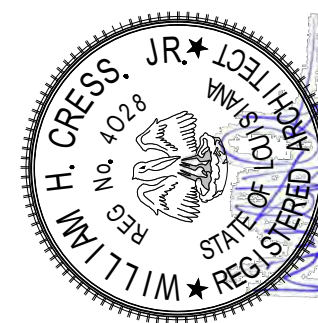
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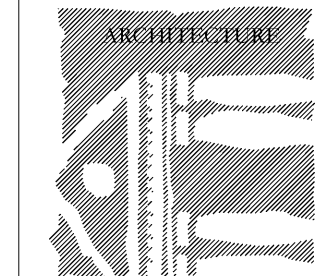
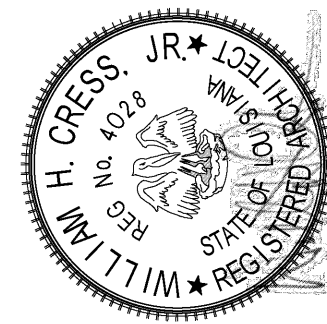
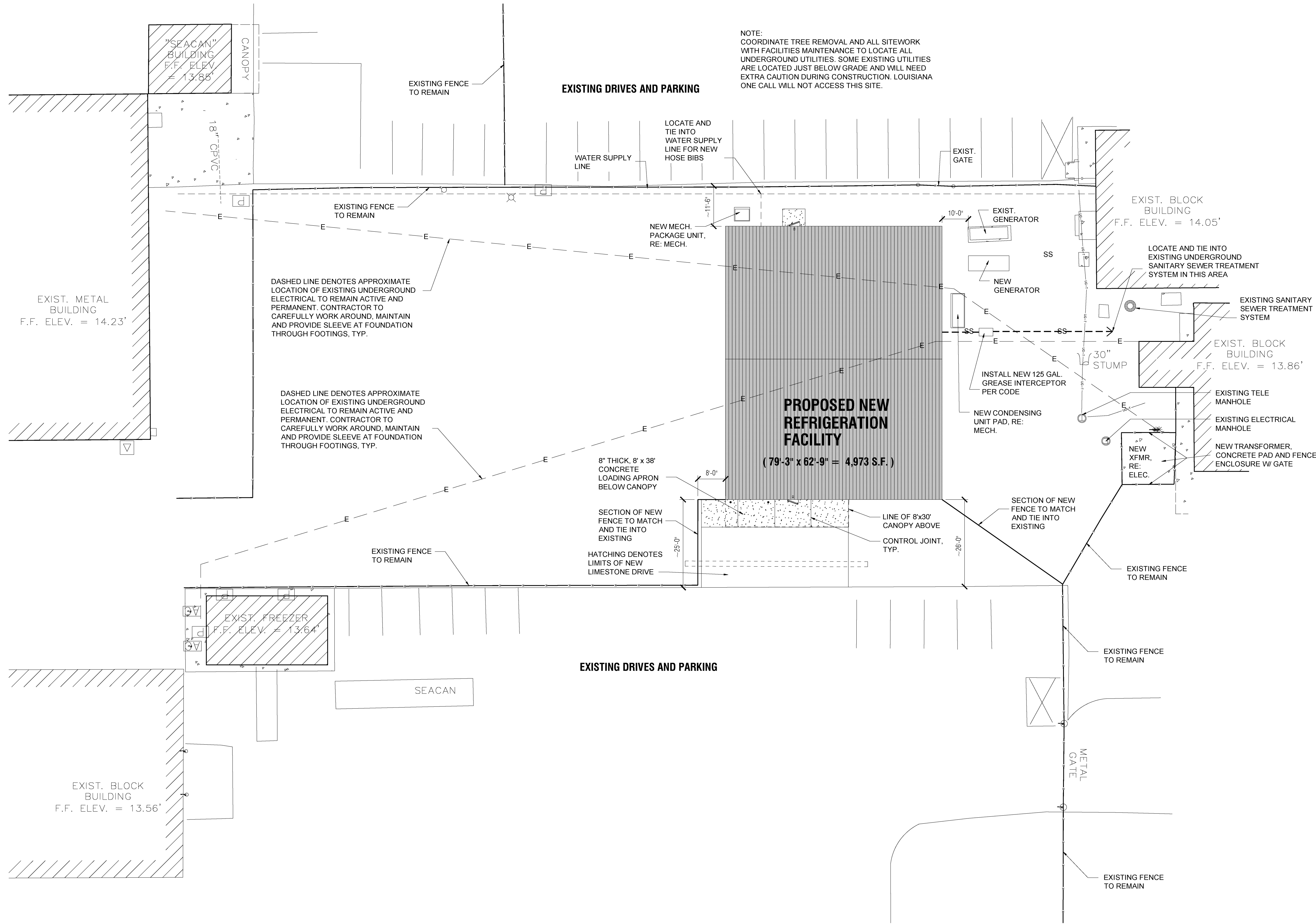
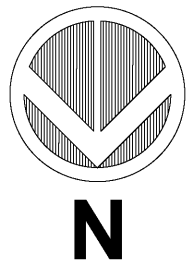
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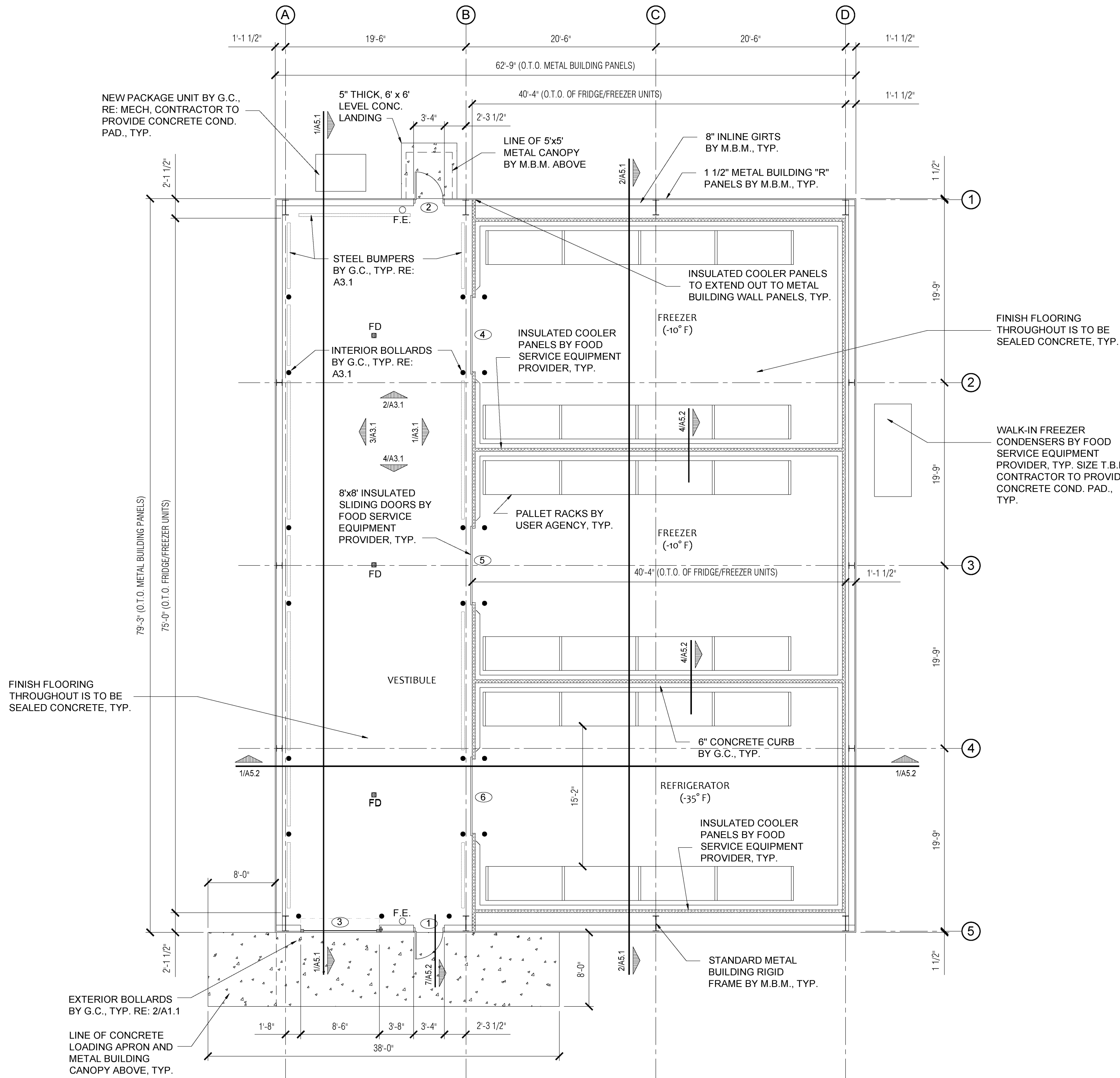
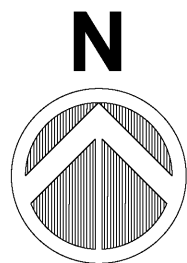
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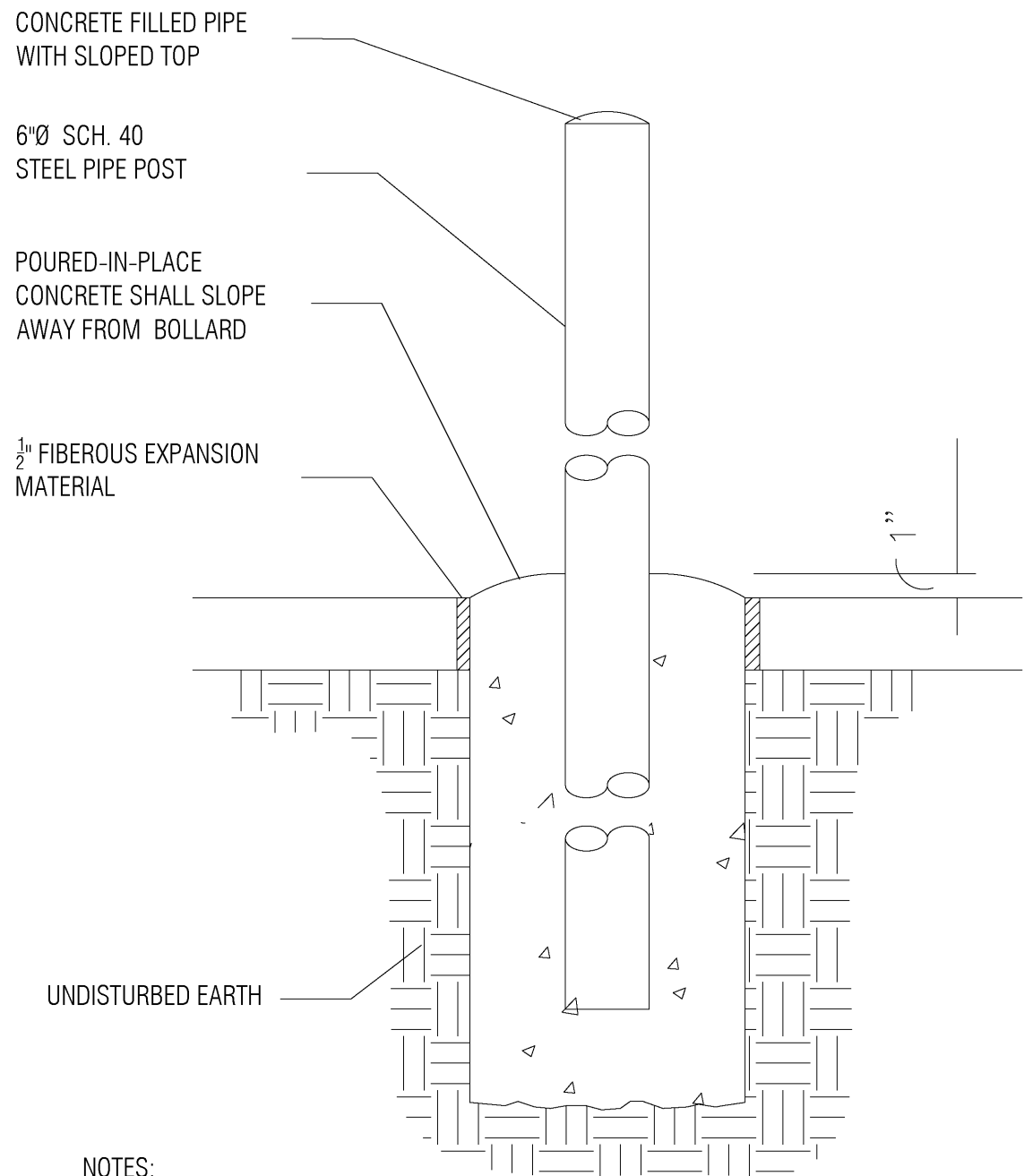
BIDDING AND CONTRACT PHASE

New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections
St. Gabriel, LA.
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

Sheet No. **A-1.0**
Of



BOLLARD AND BUMPER NOTE:
THE BOLLARDS AND BUMPERS
INSTALLED ALONG COLUMN
LINE "A" ARE TO MATCH THOSE
ALONG COLUMN LINE "B" WITH
ADDITIONAL BUMPERS
LOCATED BETWEEN BOLLARDS
THAT WILL BE REMOVED AT
TIME OF FUTURE EXPANSION.
RE: A-3.1



- NOTES:
1. MINIMUM ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF CONCRETE 3,000 PSI.
 2. HOT-DIP GALVANIZE AFTER FABRICATION TO CONFORM WITH ASTM A123.
 3. BOLLARDS TO BE PAINTED, CONCRETE FILLED STEEL, COLOR T.B.D.

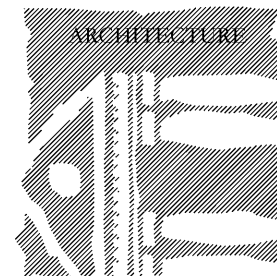
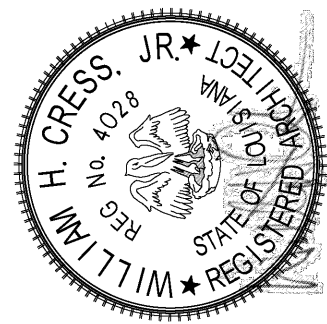
2 EXTERIOR BOLLARD DETAIL

SCALE: N.T.S.

DOOR SCHEDULE

DR. #	SIZE	DESCRIPTION			HARDWARE										NOTES:
		EXTERIOR - INSULATED COILING O.H. DOOR W/ MANUAL OPENER	EXTERIOR-FLUSH- INSULATED H.M. DOOR W/ H.M. WELDED FRAME. VERIFY COLOR WITH OWNER.	INTERIOR - FREEZER / REFRIG. DOOR-SEE FOOD SERVICE DRAWINGS	EXT. HINGES- INRP	INT. HINGES-	STDP-	CLOSER-	THRESHOLD -	WEATHERSTRIP -	DOOR BOTTOM -	PANIC HARDWARE -	PRVACY -	LOCKSET -	
		A	B	C											
①	3-0 x 7-0		●		●	●	●	●	●	●	●	●	●	●	
②	3-0 x 7-0		●		●	●	●	●	●	●	●	●	●	●	
③	8-0 x 8-0	●								●					
④	RE: FOOD SERVICE DRAWING			●	RE: FOOD SERVICE DRAWING										
⑤	RE: FOOD SERVICE DRAWING			●	RE: FOOD SERVICE DRAWING										
⑥	RE: FOOD SERVICE DRAWING			●	RE: FOOD SERVICE DRAWING										

- NOTES:
1. ALL OUTSWINGING EXTERIOR DOORS TO HAVE NRP HINGES.
 2. ALL DOORS TO HAVE MUTES.
 3. ALL REQUIRED EXTERIOR EGRESS DOORS TO HAVE CYLINDER W/ THUMB LATCH
 4. VERIFY ALL HARDWARE AND KEYING WITH TENANT
 5. ALL EXTERIOR DOORS TO HAVE WEATHERSTRIPPING
 6. VERIFY KEYING WITH USER AGENCY PRIOR TO BIDDING. CONFIRM AND PROVIDE ANY SPECIAL REQUIREMENTS FOR ACCESS CONTROL AND / OR OTHER DEVICES IF NEEDED. VERIFY WITH OWNER IF THERE IS A BUILDING STANDARD.
 7. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION



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New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections

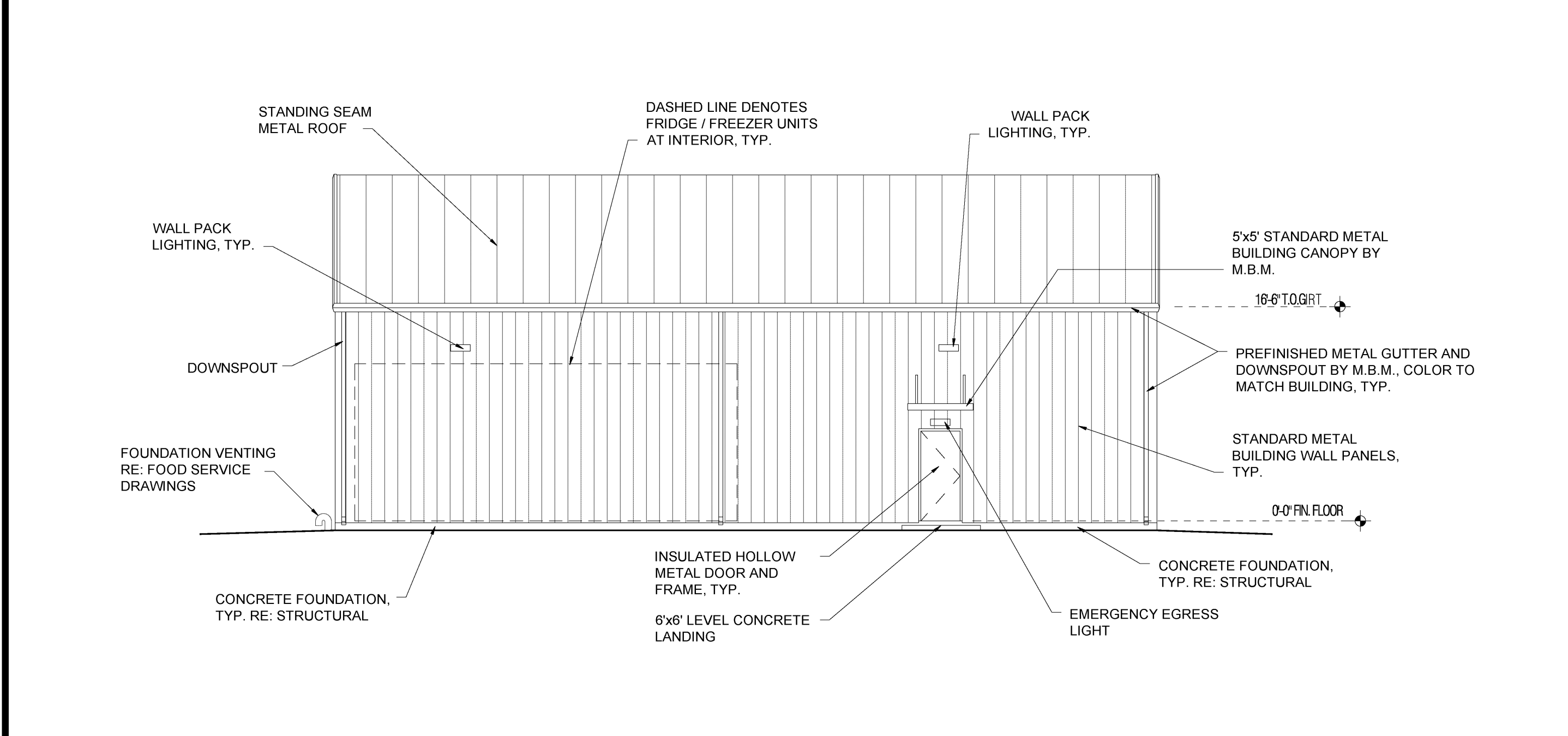
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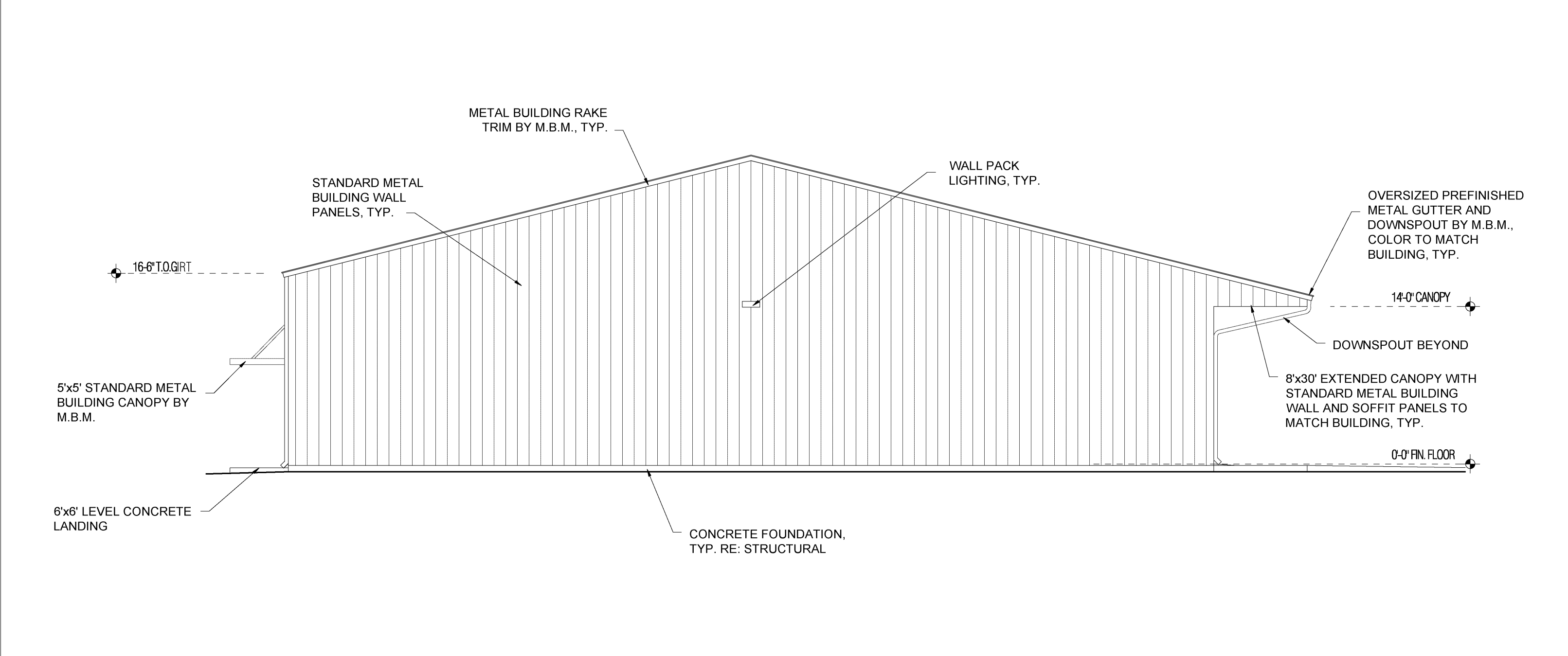
1 PROPOSED FRONT ELEVATION 1/8" = 1'-0



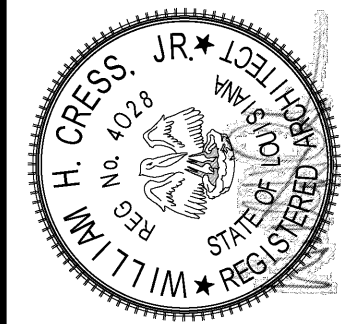
3 PROPOSED REAR ELEVATION 1/8" = 1'-0



2 PROPOSED RIGHT SIDE ELEVATION 1/8" = 1'-0



4 PROPOSED LEFT SIDE ELEVATION 1/8" = 1'-0



ARCHITECTURE
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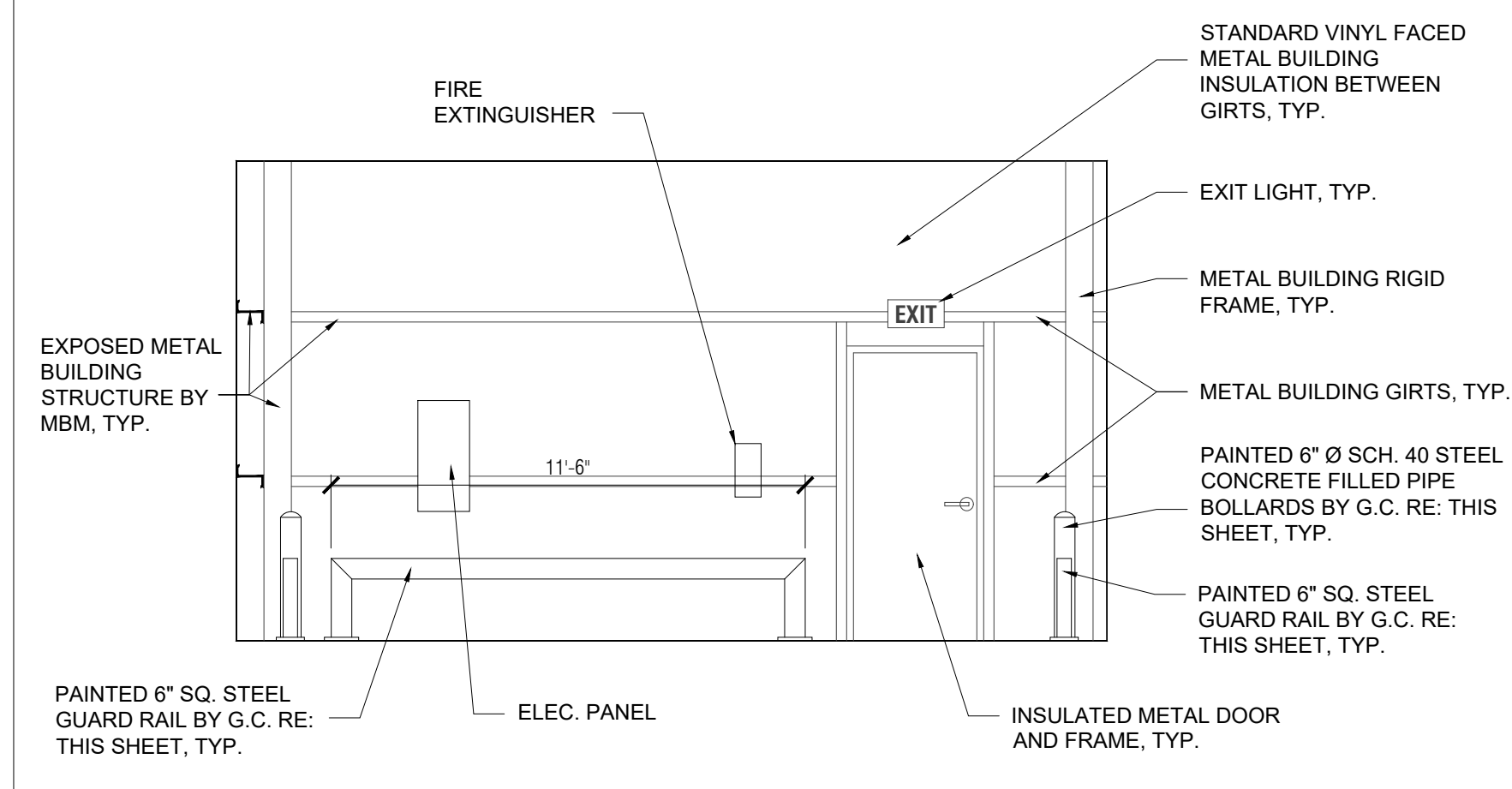
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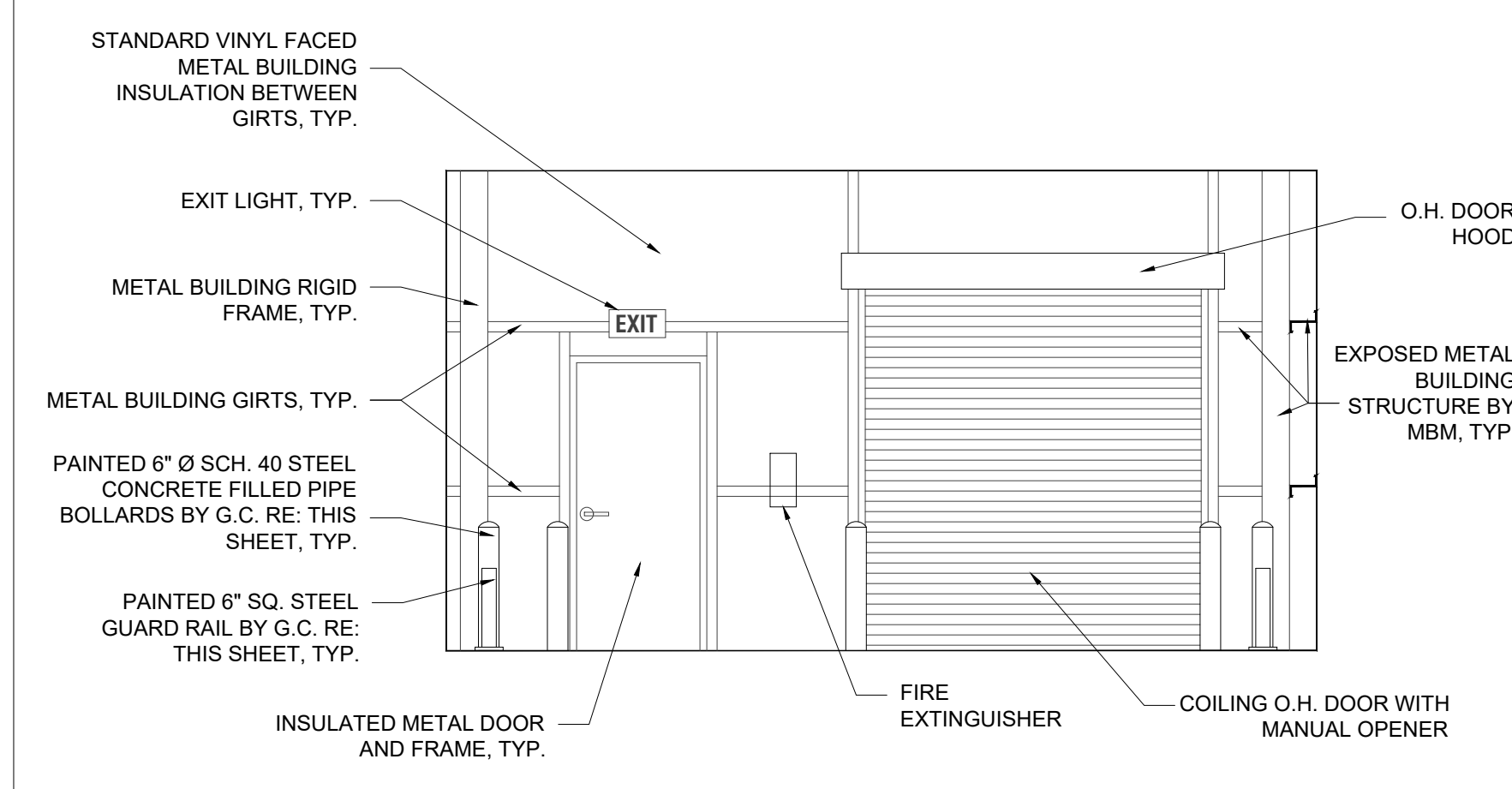
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St. Gabriel, LA.
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

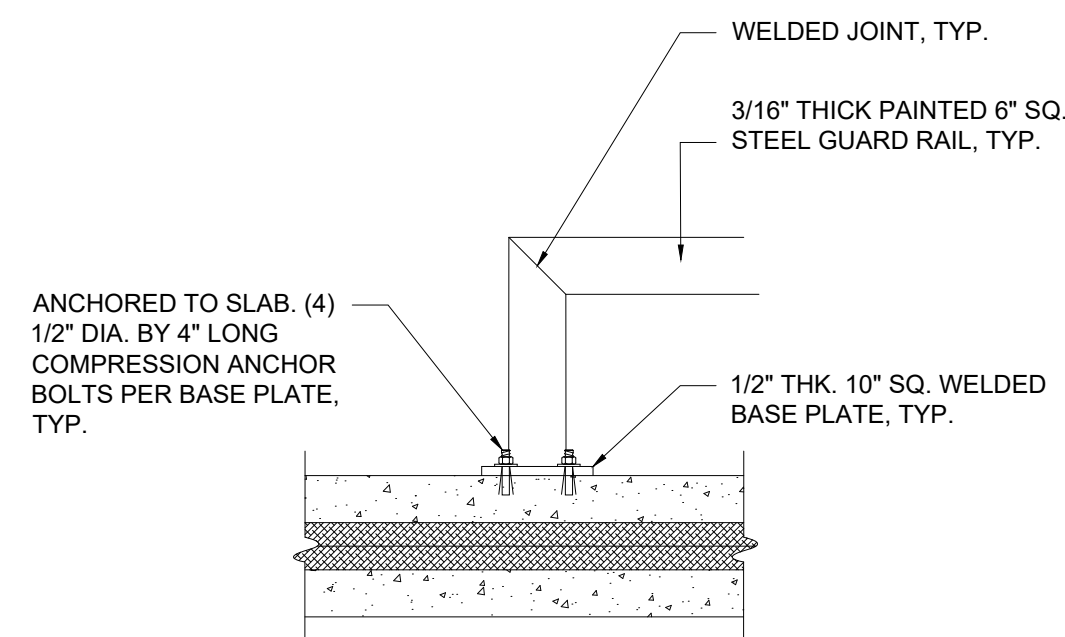
Sheet No. _____
A-2.1
Of _____



2	INTERIOR ELEVATION
---	--------------------



4	INTERIOR ELEVATION
---	--------------------

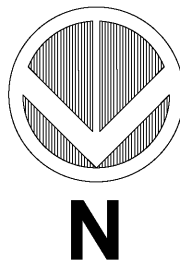


VESTIBULE TUBE BUMPER DETAIL - Not To Scale

NOTE: PHOTO IS FOR INTERIOR DESIGN
CONCEPT ONLY. EXACT LAYOUT,
FINISHES, OR COMPONENTS MAY VARY

Of _____

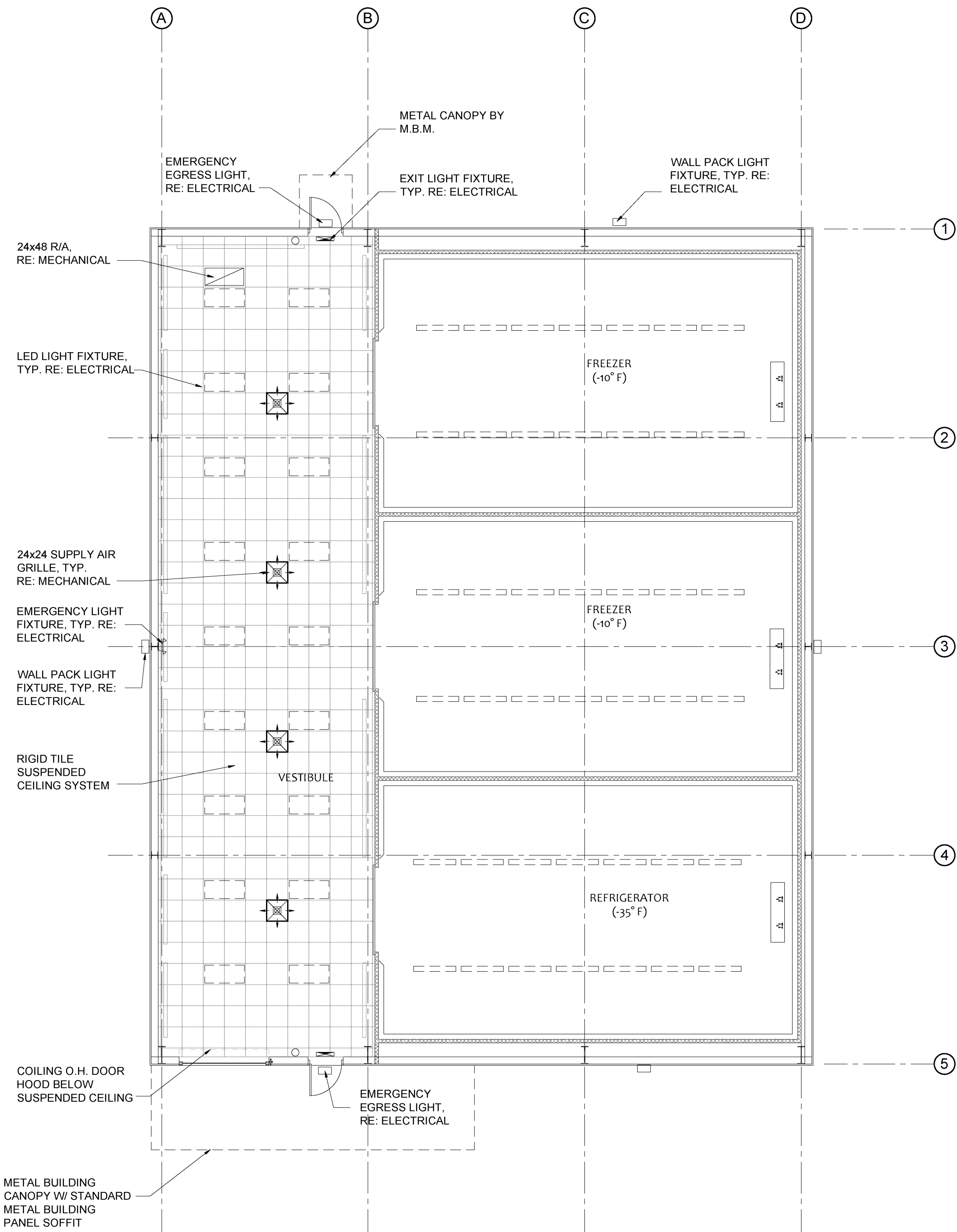
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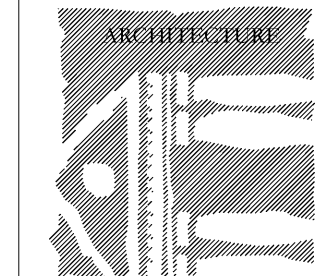
1

PROPOSED REFLECTED CEILING PLAN

1/8" = 1'-0



CEILING SCHEDULE		
TYPE	LOCATION	DESCRIPTION
SUSPENDED ACOUSTICAL	VESTIBULE	CERAMAGUARD 605, 24"x24", WHITE SQUARE LAY-IN, PRELUDE XL 15/16" EXPOSED TEE GRID FOR EXTERIOR APPLICATIONS
INSULATED PANEL	FREEZERS, COOLERS	BY FOOD SERVICE EQUIPMENT PROVIDER



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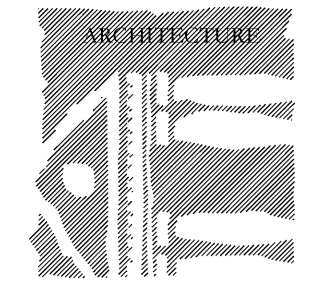
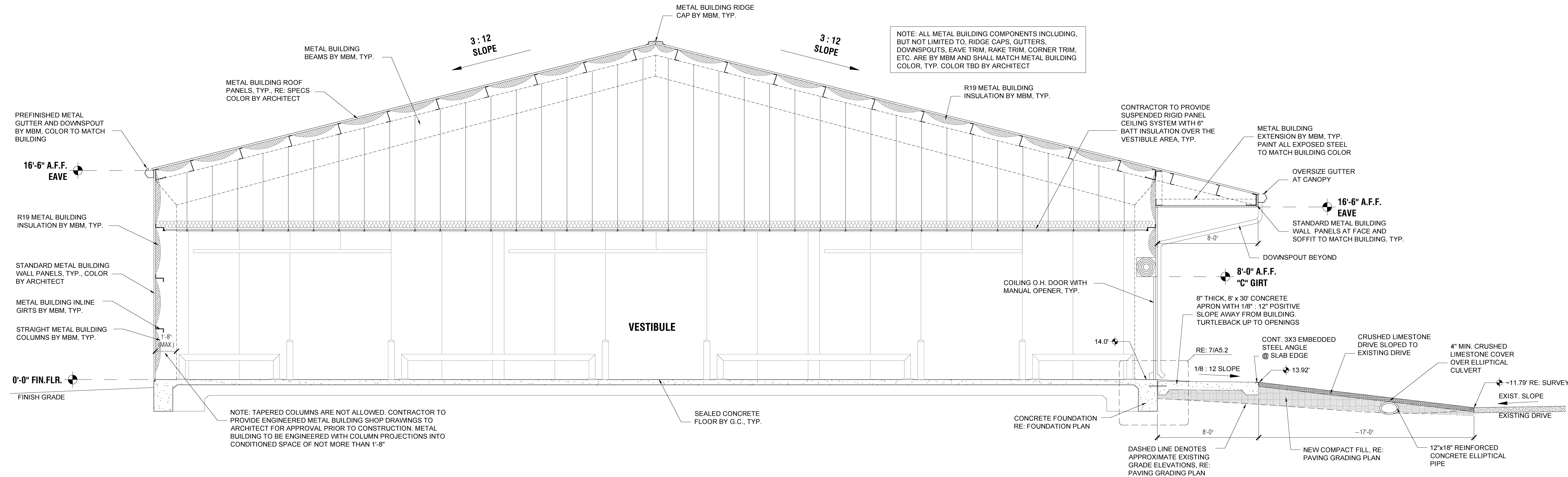
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1

BUILDING SECTION

1/4" = 1'-0"



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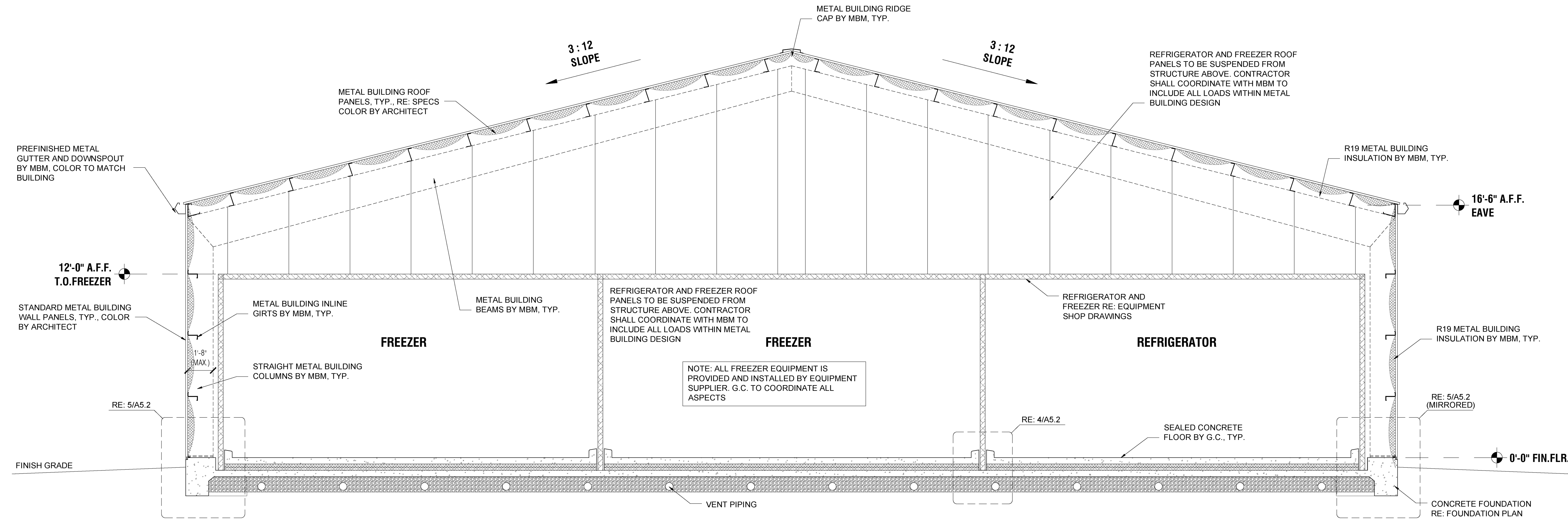
Sheet No. **A-5.1**

Of

2

BUILDING SECTION

1/4" = 1'-0"

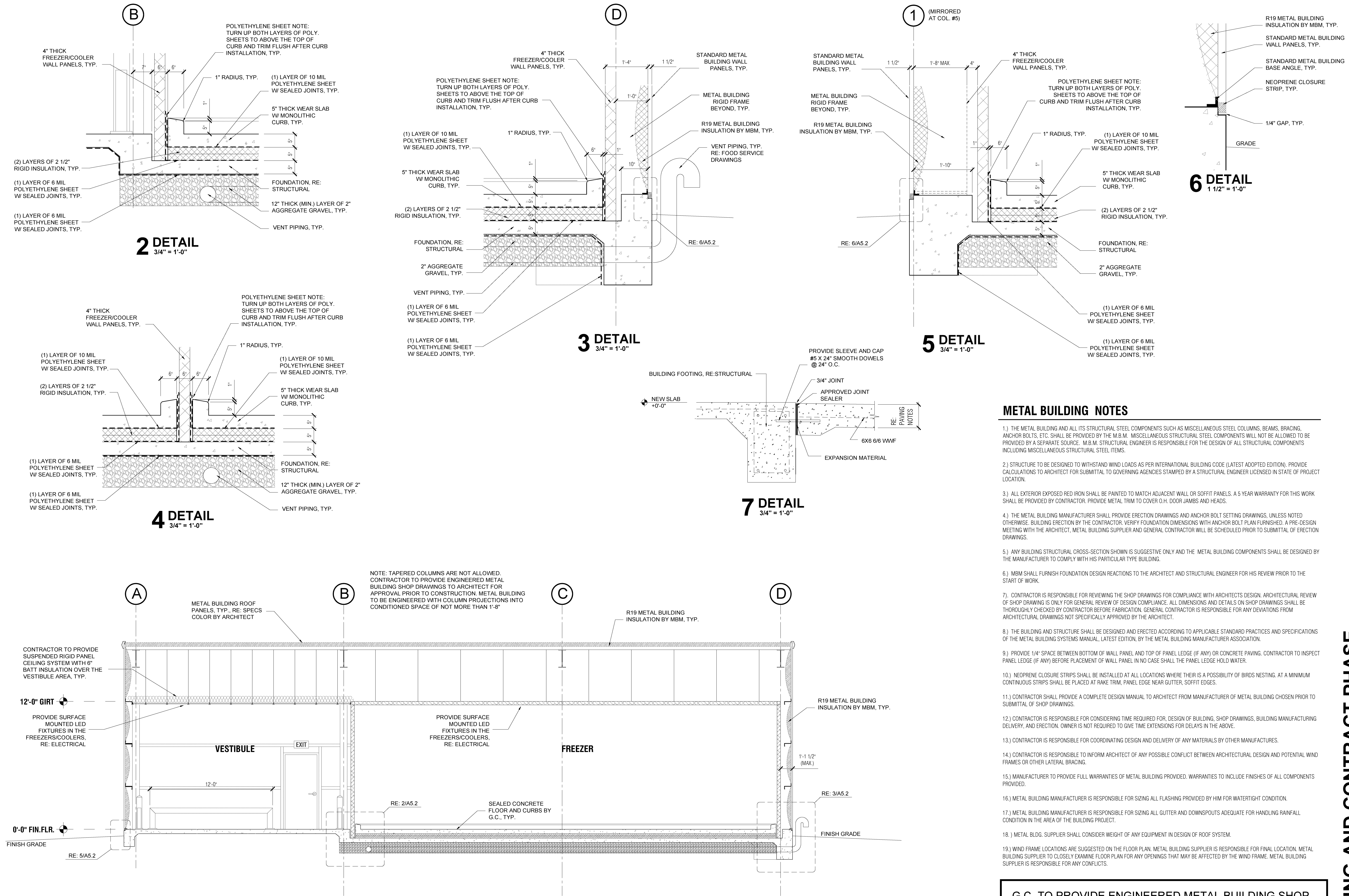


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1

BUILDING SECTION

1/4" = 1'-0"



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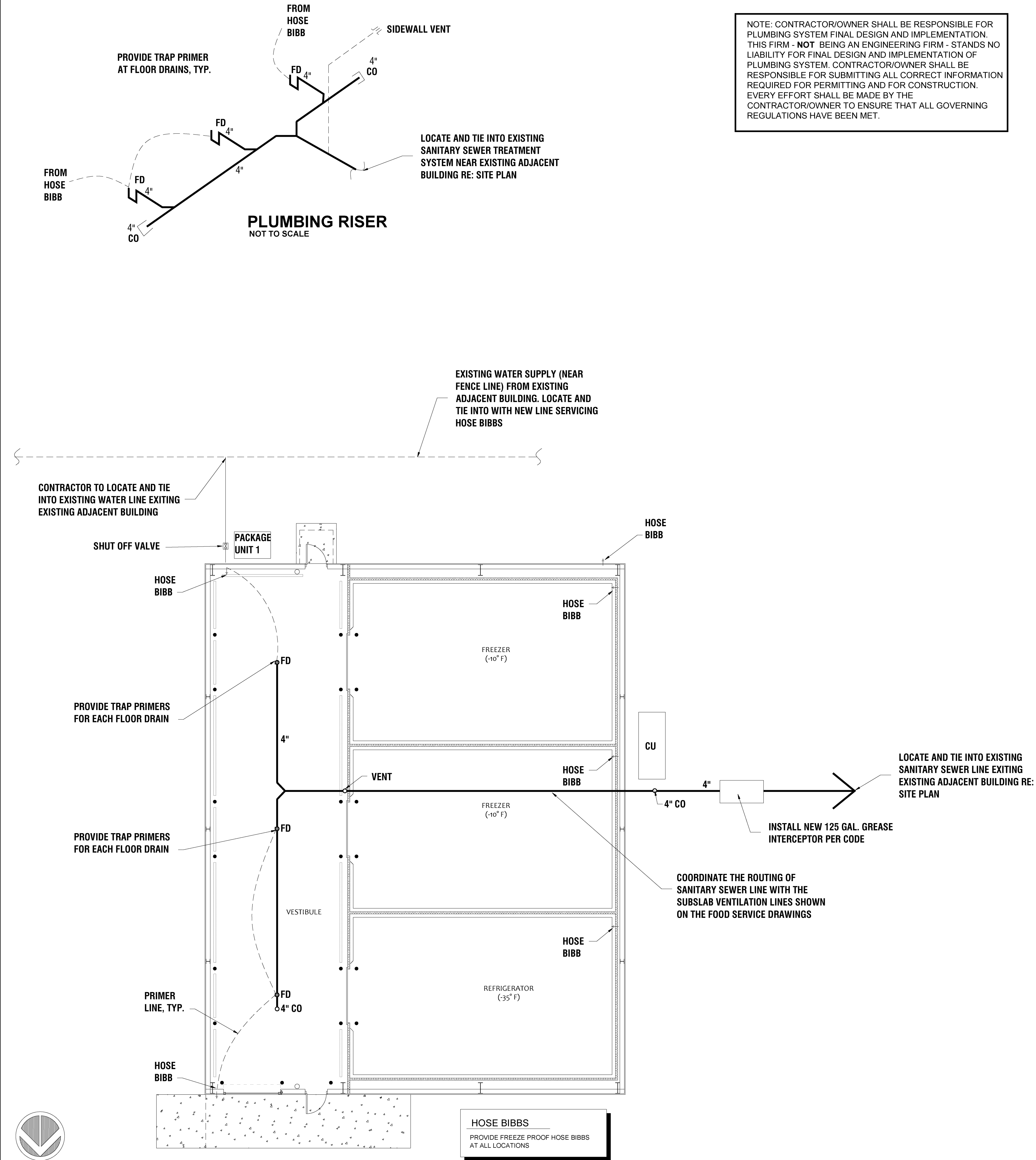
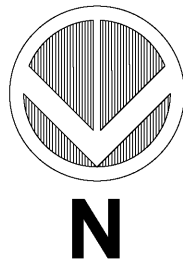
BIDDING AND CONTRACT PHASE

New Cold Storage Building
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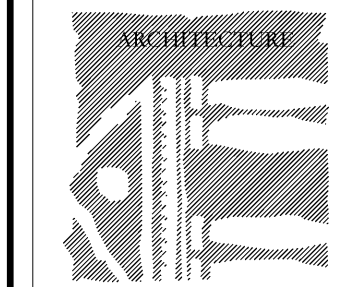
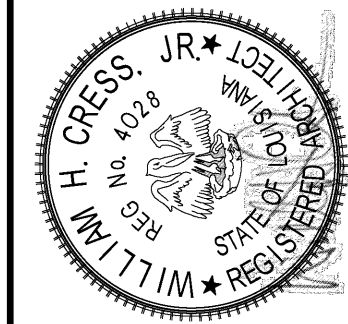
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Sheet No. **A-5.2**
Of

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NOTE: CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR PLUMBING SYSTEM FINAL DESIGN AND IMPLEMENTATION. THIS FIRM - **NOT** BEING AN ENGINEERING FIRM - STANDS NO LIABILITY FOR FINAL DESIGN AND IMPLEMENTATION OF PLUMBING SYSTEM. CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR SUBMITTING ALL CORRECT INFORMATION REQUIRED FOR PERMITTING AND FOR CONSTRUCTION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR/OWNER TO ENSURE THAT ALL GOVERNING REGULATIONS HAVE BEEN MET.



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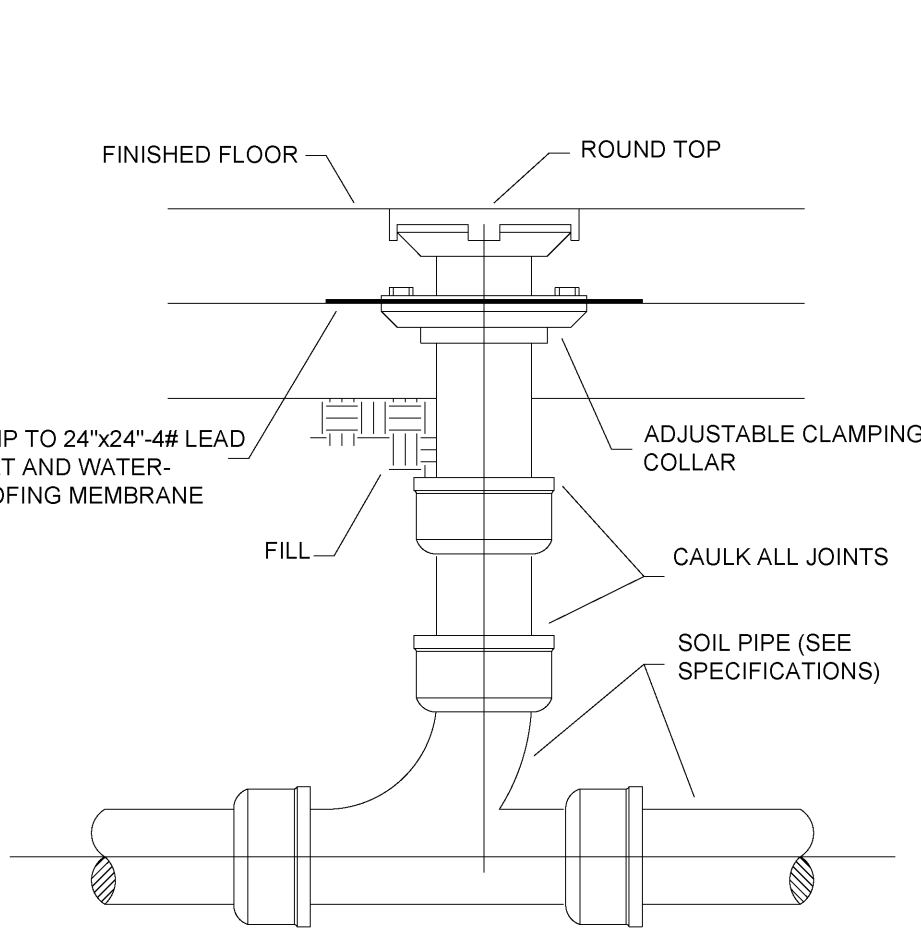
New Cold Storage Building
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Department of Corrections
St. Gabriel, LA.
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

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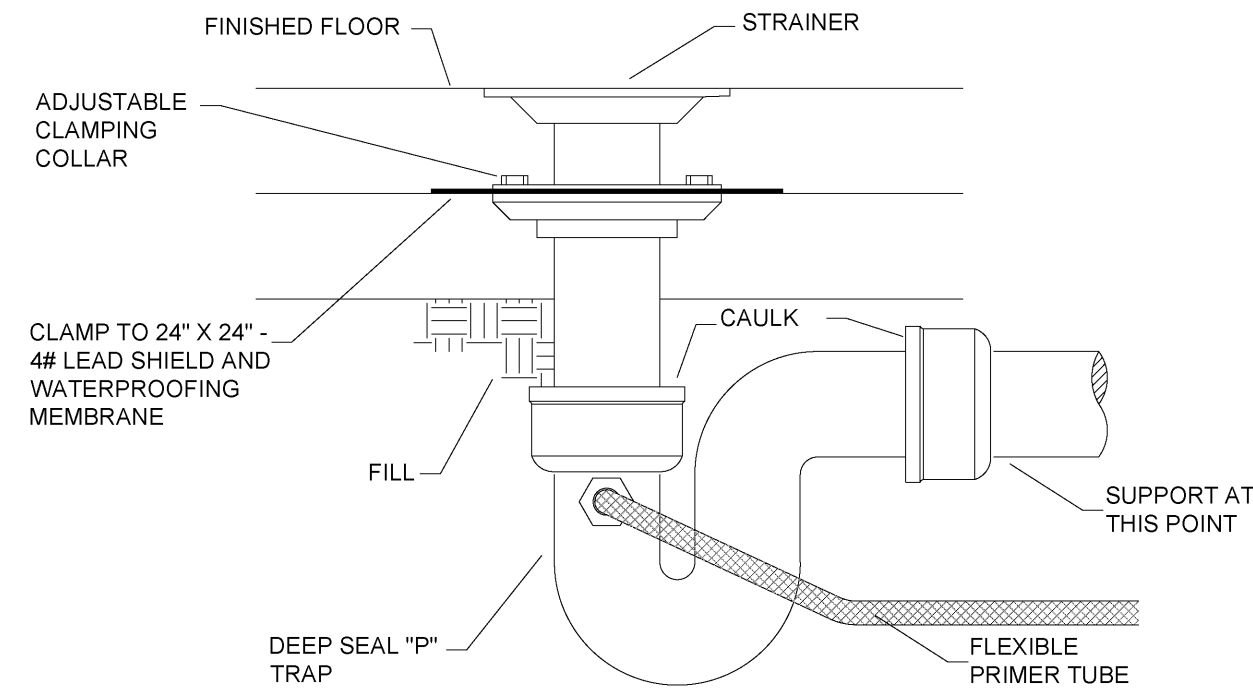
PLUMBING FIXTURE SCHEDULE - CONTRACTOR MUST VERIFY MOUNTING HEIGHTS ON ALL PLUMBING FIXTURES PRIOR TO ORDERING AND ROUGH-IN, NO EXCEPTIONS												
TAG	FIXTURE DESCRIPTION	MANUFACTURER & MODEL NUMBER	TRIM					CONNECTION SIZE				NOTES
			SEAT	CARRIER	FAUCET	DRAIN	MISCELLANEOUS	CW	HW	SAN.	VENT	
HB	¾" FREEZE PROOF HOSE BIBB	MIFAB MHY-20	--	--	--	--	--	¾"	--	--	--	PROVIDE 2 LOOSE KEYS PER HYDRANT. CONTRACTOR SHALL PROVIDE ISOLATION VALVE IN CEILING PRIOR TO THE HOSE BIBB.
FD	CAST IRON DEEP SUMP FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TRACTOR GRATE AND DEEP SUMP, WITH ½" TRAP PRIMER CONNECTION, SEDIMENT TRAP	MIFAB F1340-5	--	--	--	--	--	--	--	--	--	ALL FLOOR DRAINS SHALL BE INSTALLED WITH ½" TRAP PRIMER. SEE PLANS FOR SANITARY SEWER AND VENT CONNECTION SIZES.
CO	CEANOUT PLUG W/ HEAVY DUTY SQUARE TOP	MIFAB C1100-XS	--	--	--	--	--	--	--	--	--	SEE PLANS FOR SIZE

NOTES:
1. WATER HAMMER ARRESTORS AND BACKFLOW PREVENTORS SHALL BE INSTALLED ON ALL PLUMBING FIXTURES AS REQUIRED BY IPC AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
2. ALL PLUMBING FIXTURES SHALL BE LEAD FREE, NO EXCEPTIONS.

- GENERAL PLUMBING PLAN NOTES:
- CONTRACTOR SHALL INSTALL SANITARY SEWER CLEANOUTS EVERY 75'-0" ON CENTER ON ALL NEW SANITARY SEWER PIPING ON SITE, IF NOT ALREADY SHOWN ON PLANS.
 - ALL NEW SANITARY SEWER PIPING SHALL BE SLOPED AT ¼" FALL PER LINEAR FOOT AS PER THE LOUISIANA STATE PLUMBING CODE. CONTRACTOR SHALL CONTACT THE LOCAL WATER COMPANY AND OBTAIN PRICES FOR THE INSTALLATION OF NEW WATER METER AND PROVIDING NEW WATER SERVICE AND INCLUDE ALL NECESSARY CHARGES, FEES, SEWER IMPACT FEES AND PERMITS IN HIS BID. THERE SHALL BE NO EXTRA CHARGE TO THE OWNER FOR UTILITY CONNECTION AFTER TIME OF BID. REFER TO CIVIL FOR WATER METER. CONTRACTOR SHALL INSTALL NEW BACKFLOW PREVENTER AT VICINITY OF NEW WATER METER NEAR ROAD. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL HEAT TRACE AND INSULATE BACKFLOW PREVENTOR FOR FREEZE PROTECTION. PLUMBING CONTRACTOR SHALL INSTALL THE ABOVE MENTIONED BACKFLOW PREVENTOR ABOVE GRADE AND IN THE VICINITY OF THE WATER METER. PLUMBING CONTRACTOR SHALL PROVIDE A CROSS CONNECTION CERTIFICATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTOR PRIOR TO ACCEPTANCE OF THE PROJECT. THIS CERTIFICATION SHALL BE PERFORMED BY AN INDIVIDUAL WHO MEETS ASSE 5000 PROFESSIONAL QUALIFICATION STANDARD AND HAS A TESTING CERTIFICATE FROM A NATIONALLY RECOGNIZED BACKFLOW CERTIFICATION ORGANIZATION APPROVED BY THE STATE OF LOUISIANA, DEPARTMENT OF HEALTH AND HOSPITALS.
 - ALL SANITARY SEWER PIPING BELOW SLAB SHALL BE SCHEDULE 40 PVC. REFER TO SPECIFICATIONS.
 - ALL DOMESTIC WATER LINES 8'-0" FROM BUILDINGS SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS.
 - CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING SANITARY SEWER AND DOMESTIC WATER PRIOR TO BEGINNING WORK.
 - THE SUBMISSION OF PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE ENTIRE CONSTRUCTION PLANS & BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS & LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED DUE TO EXISTING JOBSITE CONDITIONS WILL NOT BE RECOGNIZED HAD PROPER EXAMINATION BEEN MADE.
 - CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY PIPING OFFSETS/TRANSITIONS/PIPING TO ACCOMMODATE INSTALLATION OF ALL CW, SANITARY SEWER, AND VENT PIPING WITH STRUCTURAL. THIS SHALL INCLUDE ALL ADDITIONAL MISCELLANEOUS ITEMS. NO CHANGE ORDERS SHALL BE GIVEN FOR THESE ITEMS.
 - ALL DOMESTIC COLD WATER SHUT OFF VALVES LOCATED ABOVE THE CEILING WILL BE IDENTIFIED WITH 1" WIDE RED REFLECTIVE TAPE, WRAPPED TWO (2) COMPLETE TURNS AROUND THE CEILING GRID WITH THE CUT END OF THE TAPE CONCEALED ABOVE THE CEILING AND WILL BE LOCATED DIRECTLY BELOW EACH VALVE.
 - DOMESTIC WATER SHALL BE RUN A MINIMUM OF 36" BELOW FINISHED GRADE.
 - SUPPLY SYSTEMS SHALL USE DIELECTRIC ADAPTERS WHERE PIPES OF DISSIMILAR METALS ARE BEING CONNECTED.
 - IN ADDITION TO THE TEST CALLED FOR IN THE SPECIFICATIONS, THE POTABLE WATER SYSTEM SHALL BE PROPERLY DISINFECTED IN ACCORDANCE WITH FEDERAL SPECIFICATION BB-C-120. SUBSEQUENT TO THE DISINFECTION, THE CONTRACTOR SHALL SUBMIT WATER SAMPLES TO THE LOCAL HEALTH DEPARTMENT FOR TESTING AND APPROVAL. LOCAL HEALTH DEPARTMENT APPROVAL MUST BE ATTAINED BEFORE THE SYSTEM IS PUT INTO SERVICE.
 - PLUMBING CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BIDDING, ORDERING AND INSTALLATION. THIS SHALL INCLUDE STRUCTURAL, ELECTRICAL, MECHANICAL, ARCHITECTURAL AND CIVIL. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL PLUMBING WORK WITH OTHER DISCIPLINES PRIOR TO ORDERING AND INSTALLING AND SHALL BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES OR CONFLICTS FOR RESOLUTION PRIOR TO ORDERING OR BEGINNING ANY WORK. NO CHANGE ORDERS SHALL BE GIVEN.
 - ALL DOMESTIC WATER, SANITARY, VENT PIPING SHALL BE SLEEVED THROUGH WALLS; SLEEVES SHALL BE SIZED TO ALLOW PASSAGE OF THE PIPE AND ITS FULL INSULATION THICKNESS PLUS ANNULAR SPACE FOR INSTALLATION OF SAFING AND/OR SEALANT AS REQUIRED.
 - ALL UNDERGROUND NON-CONDUCTIVE PIPE SHALL BE INSTALLED WITH #10 COPPER WIRE SET WITH THE PIPE. ALL UNDERGROUND NON-CONDUCTIVE PIPING OUTSIDE THE BUILDING SHALL HAVE BRIGHTLY-COLORED, METALLIC-CORE, NON-DETERIORATING, MINIMUM 2" WIDE, IDENTIFICATION RIBBON TAPE SET 12" ABOVE THE TOP OF THE PIPE, OR 24" BELOW FINISHED GRADE, WHICHEVER DIMENSION IS SHALLOWER.

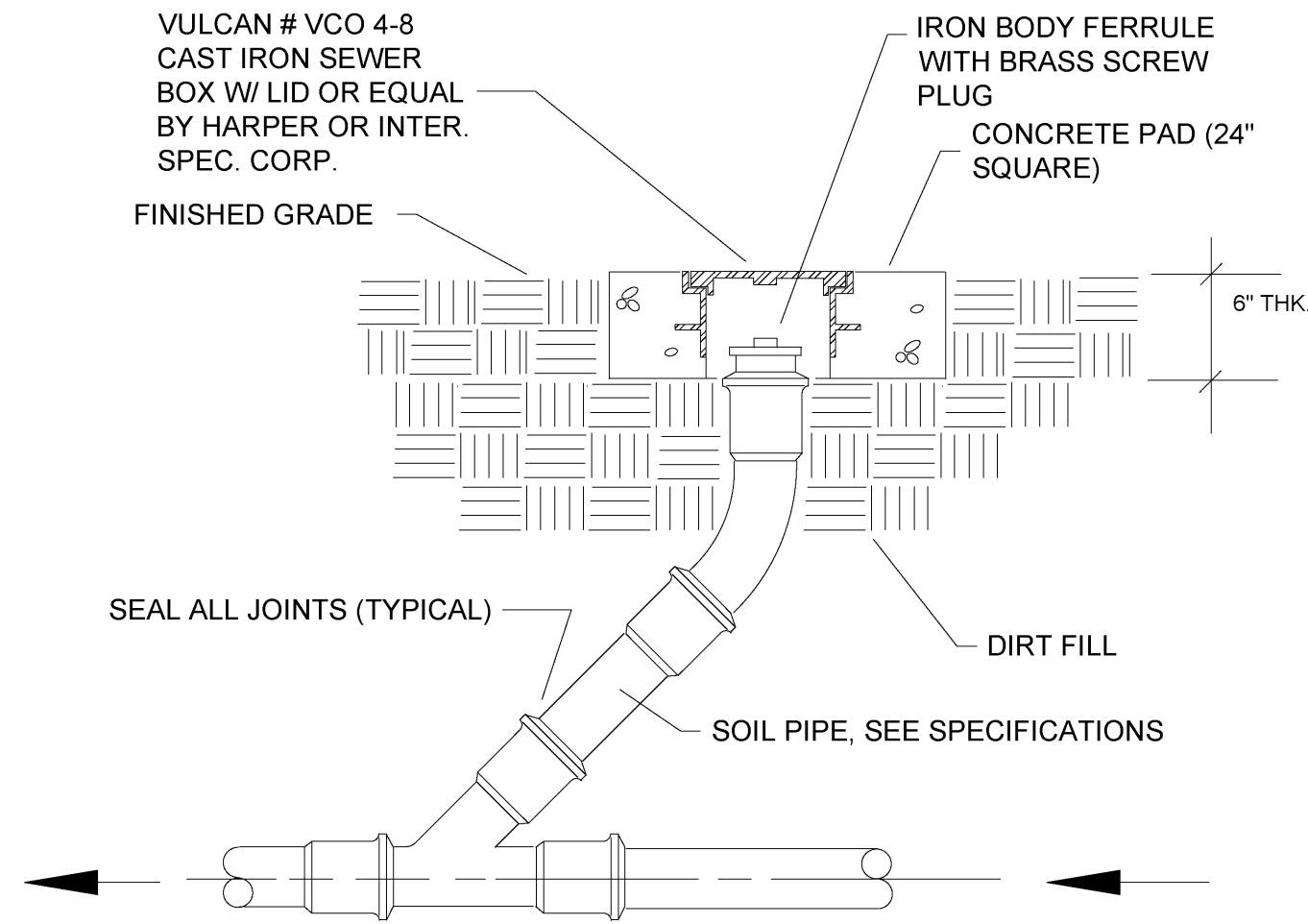


DETAIL - INTERIOR FLOOR CLEANOUT
SCALE: NO SCALE

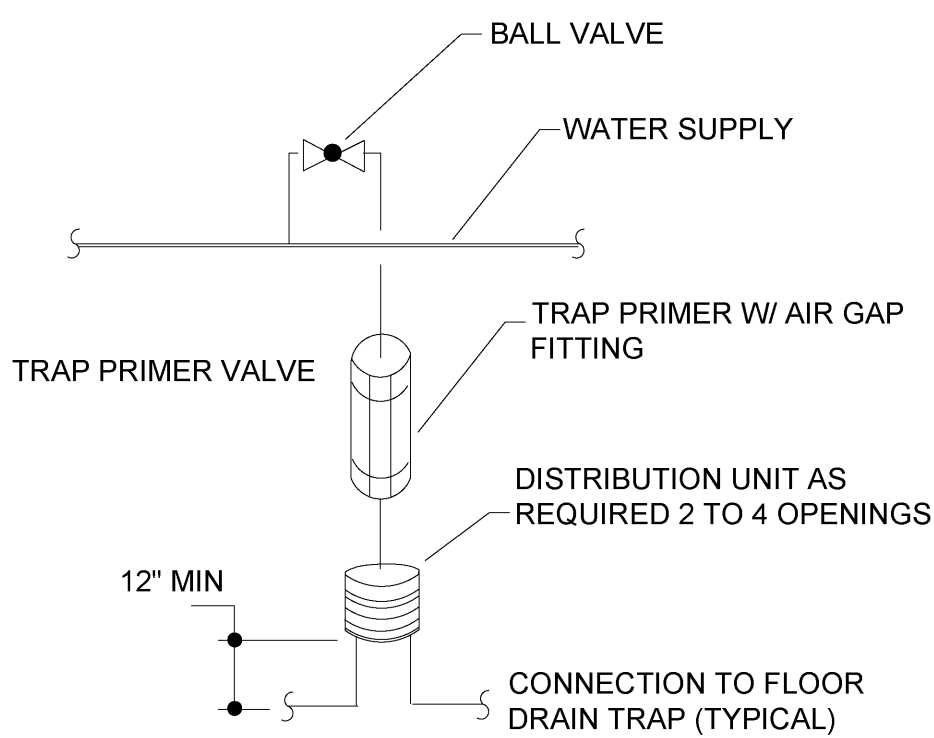


ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS, NO EXCEPTIONS.
FLOOR DRAINS LOCATED INSIDE MECHANICAL ROOMS SHALL BE COORDINATED WITH ALL PLUMBING AND MECHANICAL EQUIPMENT AND SHALL BE SHIFTED AS NECESSARY TO PREVENT ANY PART OF FLOOR DRAIN FROM BEING COVERED UP OR CONCEALED. WHERE THE MECHANICAL ROOMS ARE RETURN AIR PLENUM SPACES, THE FLOOR DRAINS SHALL BE ENCLOSED INSIDE A STAINLESS STEEL BOX WITH GASKETED HINGED ACCESS PANEL/DOOR.

DETAIL - FLOOR DRAIN
SCALE: NO SCALE

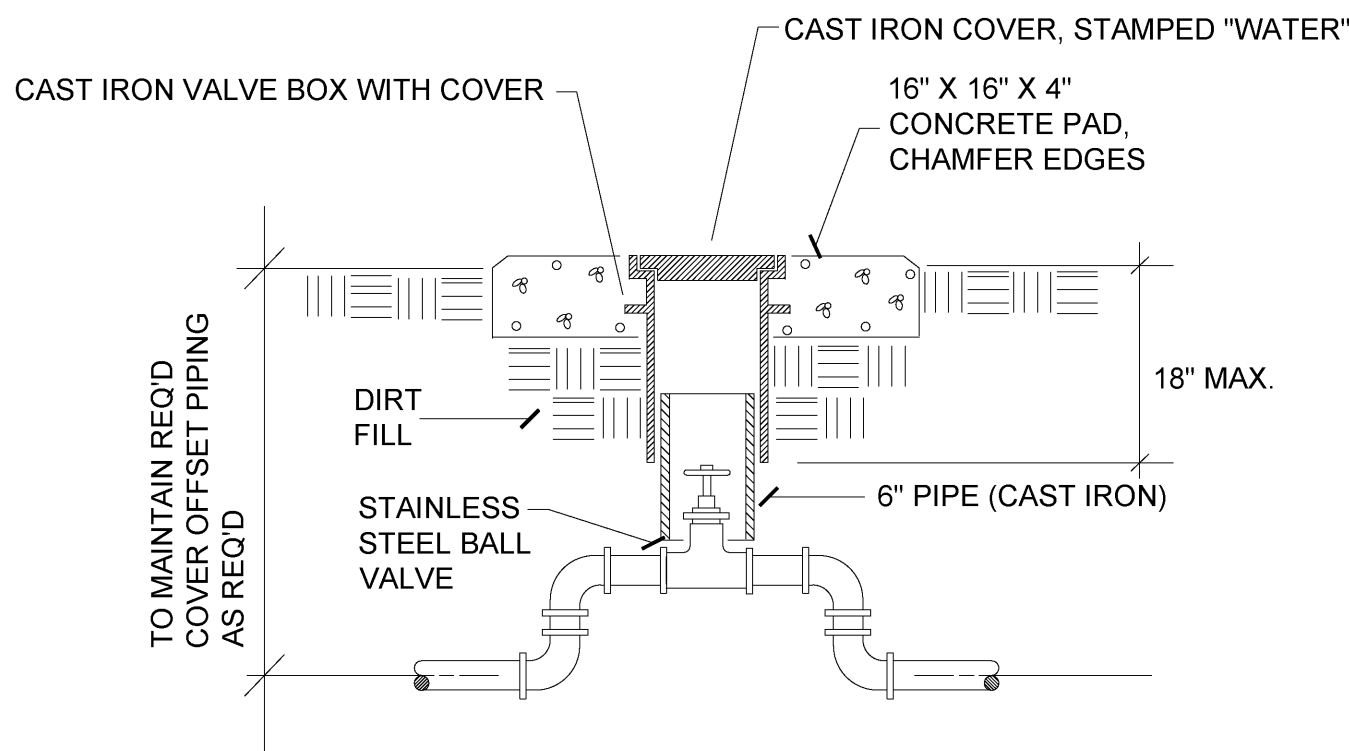


DETAIL - EXTERIOR CLEANOUT
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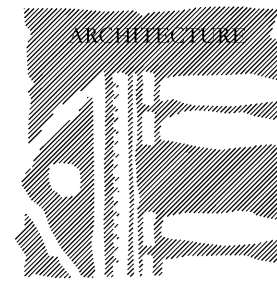


PROVIDE PROPER BACKFLOW PREVENTION DEVICES IF IT IS CONNECTED TO THE POTABLE WATER SUPPLY LINE. TRAP PRIMERS SHALL BE INSTALLED ON ALL FLOOR DRAINS, TYPICAL.

DETAIL - TRAP PRIMER
SCALE: NO SCALE



DETAIL - VALVE BOX FOR DOMESTIC WATER SERVICE
SCALE: NO SCALE



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P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

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1 GENERAL NOTES

- 1 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE
- 2 CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING AND FIRE PROTECTION) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY
- 3 INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS
- 4 PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE
- 5 THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED
- 6 COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS
- 7 MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS
- 8 ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED
- 9 LOCATE ALL TEMPERATURE PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWN STREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY
- 10 WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED
- 11 REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO ACI318, PART ENTITLED "CONSTRUCTION REQUIREMENTS". COMPRESSIVE STRENGTH IN 28 DAYS SHALL BE 3,000 PSI. TOTAL AIR CONTENT OF EXTERIOR CONCRETE SHALL BE BETWEEN 5 AND 7 PERCENT BY VOLUME. SLUMP SHALL BE BETWEEN 3 AND 4 INCHES. CONCRETE SHALL BE CURED FOR 7 DAYS AFTER PLACEMENT.
- 12 COORDINATE ALL EQUIPMENT CONNECTION WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- 13 ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND DIVISION 16 OF THE SPECIFICATION
- 14 MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
- 15 LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED
- 16 REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION

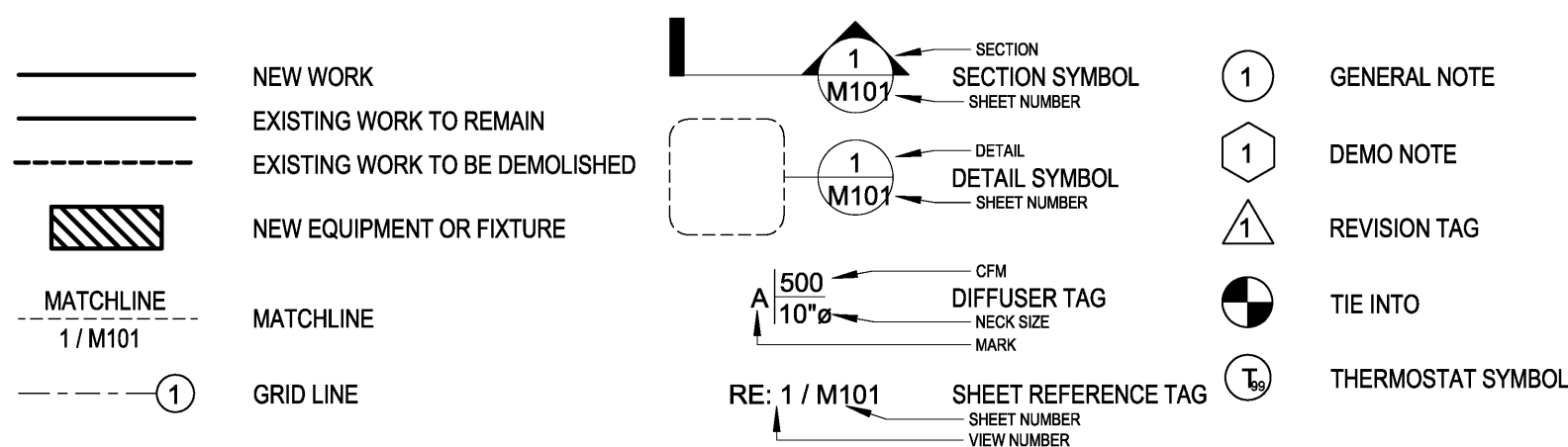
2 PLUMBING NOTES

- 1 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE
- 2 PROVIDE SHUTOFF VALVES IN ALL DOMESTIC WATER PIPING SYSTEMS BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES
- 3 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE SAME SIZE AS NOTED ON THE PLUMBING FIXTURE SCHEDULE
- 4 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR INSULATION IF REQUIRED
- 5 INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE
- 6 WHERE DOMESTIC COLD PIPING DROPS INTO A PIPE CHASE, THE SIZE SHOWN FOR THE PIPE DROPS SHALL BE USED TO THE LAST FIXTURE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
- 7 INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING
- 8 ALL PIPING SHALL CLEAR DOORS AND WINDOWS
- 9 ALL PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS
- 10 UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS
- 11 ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION
- 12 ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTION TO EQUIPMENT AND CONTROLS
- 13 PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS
- 14 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, DRAINS SHALL BE INSTALLED AT THE LOW POINT OF ROOFS, AREAWAYS, FLOORS, ETC
- 15 PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED (EDIT HORIZONTAL CLEANOUT SPACING TO SUIT CODE AND PROJECT REQUIREMENTS)
- 16 ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE FOR BUILDING DRAINS 6 INCHES AND SMALLER AND SHALL BE 6 INCHES FOR BUILDING DRAINS LARGER THAN 6 INCHES
- 17 ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS)
- 18 ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED
- 19 ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER
- 20 PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE OR AS INDICATED ON THE DRAWINGS

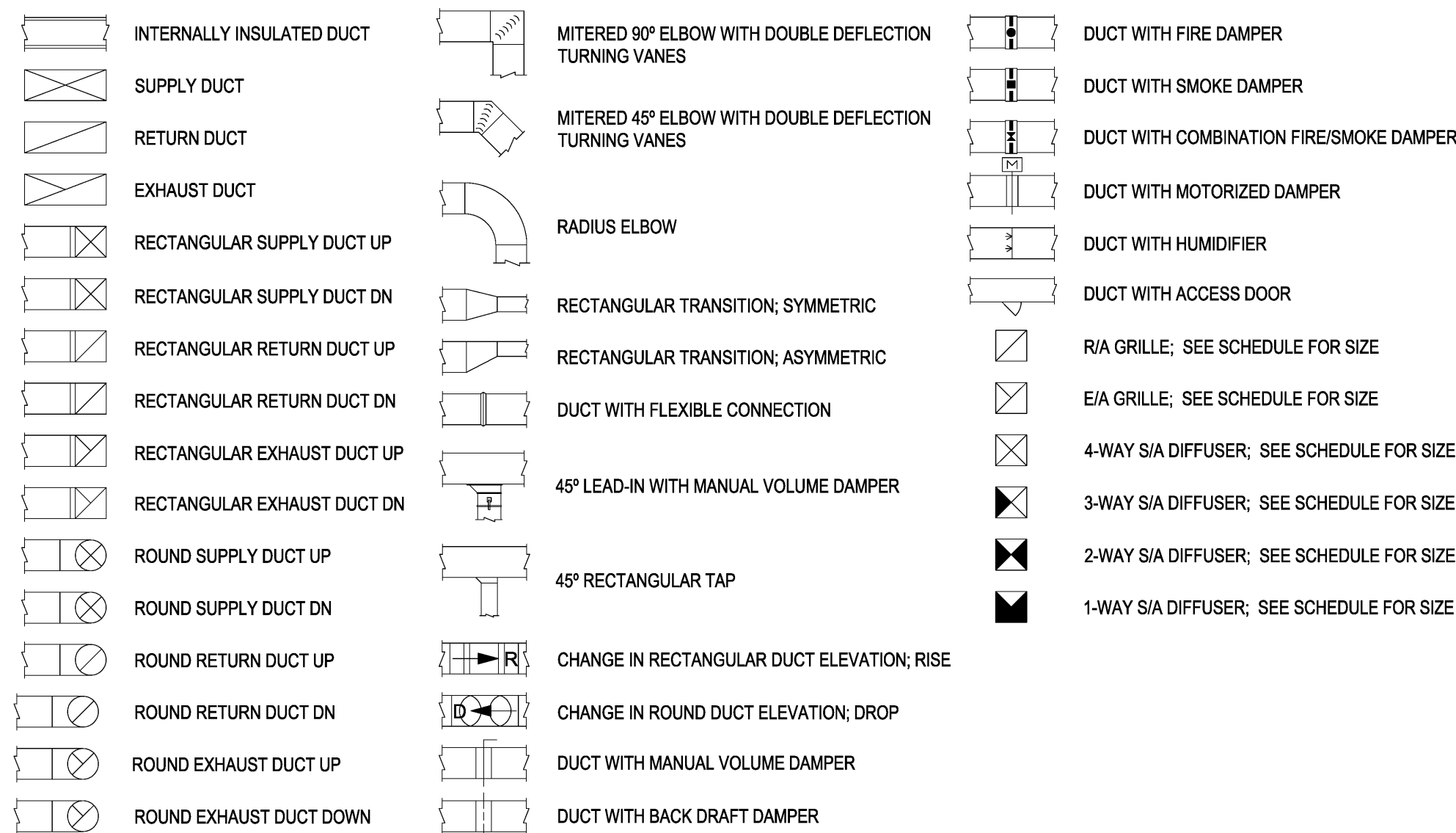
7 ABBREVIATIONS

AAV AUTOMATIC AIR VENT	BTU BRITISH THERMAL UNIT	CONC CONCRETE	DN DOWN	EWC ELECTRIC WATER COOLER	FPI FINS PER INCH	LPC LOW PRESSURE CONDENSATE	MIN MINIMUM	R/A RETURN AIR	VD VOLUME DAMPER
ABV ABOVE	BTUH BRITISH THERMAL UNIT/HOUR	CONT CONTINUATION	DP PRESSURE DROP	EWT ENTERING WATER TEMPERATURE	FPM FEET PER MINUTE	LPS LOW PRESSURE STEAM	MOCPP MAXIMUM OVERCURRENT PROTECTION	REF REFRIGERANT	VRV VARIABLE REFRIGERANT VOLUME
ACC AIR COOLED CHILLER	CAP CAPACITY	COP COEFFICIENT OF PERFORMANCE	DWG DRAWING	EXH EXHAUST	FSD COMBINATION FIRE SMOKE DAMPER	LWB LEAVING WET BULB TEMPERATURE	MUA MAKE-UP AIR UNIT	RLA RATED LOAD AMPS	VTW VENT THROUGH WALL
AFF ABOVE FINISHED ROOF	CAV CONSTANT AIR VOLUME	CAH COMPUTER ROOM AIR HANDLER	DX DIRECT EXPANSION	FA FREE AREA (SQUARE FEET)	FT FEET	LWT LEAVING WATER TEMPERATURE	NC NORMALLY CLOSED	RPM REVOLUTIONS PER MINUTE	W WATTS
AFR ABOVE FINISHED ROOF	CC COOLING COIL	CV CONSTANT VOLUME	EA EACH	FC FLEXIBLE CONNECTION	GPM GALLONS PER MINUTE	MAV MANUAL AIR VENT	NIC NOT IN CONTRACT	RTU ROOFTOP UNIT	WB WET BULB
AHU AIR HANDLING UNIT	CD CONDENSATE DRAIN	CWR CHILLED WATER RETURN	E/A EXHAUST AIR	FCU FAN COIL UNIT	HC HEATING COIL	MAX MAXIMUM	NO NORMALLY OPEN	S/A SUPPLY AIR	WCC WATER COOLED CHILLER
A AMPS	CDWS CONDENSER WATER SUPPLY	CWS CHILLED WATER SUPPLY	EAT ENTERING AIR TEMPERATURE	FD FIRE DAMPER	HHWR HOT WATER RETURN	MBH 1000 BTUH	O/A OUTSIDE AIR	SEN SENSIBLE	
ARCH ARCHITECTURAL	CDWR CONDENSER WATER RETURN	dB DECIBEL	EF EXHAUST FAN	FLA FULL LOAD AMPS	HHWS HOT WATER SUPPLY	MCA MINIMUM CIRCUIT AMPACITY	OPD OPPOSED BLADE DAMPER	TOT TOTAL	
BDD BACKDRAFT DAMPER	CFM CUBIC FEET PER MINUTE	DB DRY BULB	ELEC ELECTRICAL	FLT FILTER	KW KILOWATT	MFG MANUFACTURER	PAHU PACKAGE AIR HANDLING UNIT	V VOLTS	
BHP BRAKE HORSEPOWER	CLG CEILING	DG DOOR GRILLE	ESP EXTERNAL STATIC PRESSURE	FPB FAN POWER BOX	LAT LEAVING AIR TEMPERATURE	MHP MOTOR HORSEPOWER	QTY QUANTITY	VAV VARIABLE AIR VOLUME	

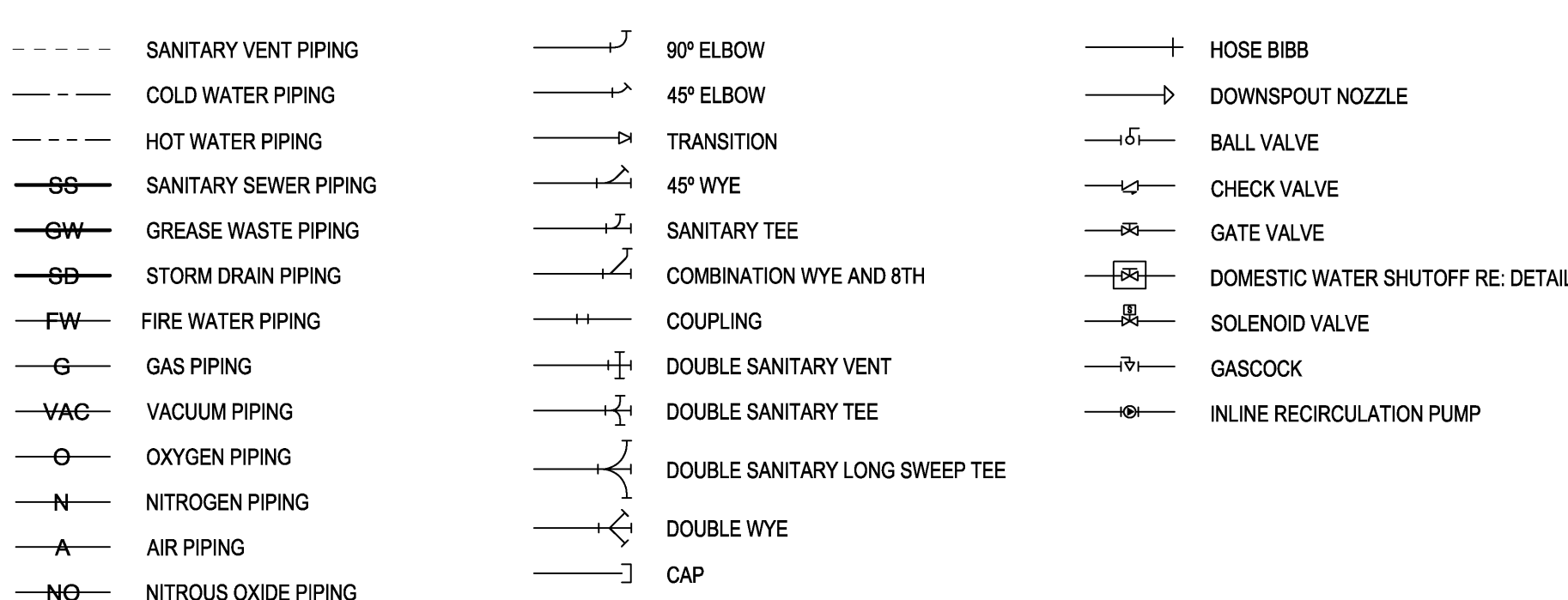
3 SYMBOL LEGEND



4 DUCTWORK LEGEND



5 PIPING LEGEND



6 MECHANICAL NOTES

- 1 DUCTWORK DIMENSIONS GIVEN ARE METAL TO METAL
- 2 REFER TO DIFFUSER AND GRILLE SCHEDULE FOR BRANCH DUCT SIZE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
- 3 REFER TO MECHANICAL SCHEDULE SHEET FOR EQUIPMENT, DIFFUSER, AND GRILLE SCHEDULES
- 4 INSTALL TRANSITION DUCT FROM INLET AND OUTLET OF EQUIPMENT TO DUCT SIZE SHOWN ON PLANS. CONSULT EQUIPMENT MANUFACTURER FOR INLET AND OUTLET SIZE
- 5 ALL DUCT ELBOWS, BENDS, AND TEES SHALL BE PROVIDED WITH DOUBLE THICKNESS TURNING VANES OR RADIUS ELBOWS UNLESS SHOWN OR NOTED OTHERWISE. ELBOWS IN DISHWASHER, KITCHEN, AND LAUNDRY EXHAUST SHALL BE UNVANED SMOOTH RADIUS CONSTRUCTION WITH A RADIUS OF 1.5 TIMES THE WIDTH OF THE DUCT
- 6 REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR COORDINATION WITH MECHANICAL DRAWINGS. OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER
- 7 EQUIPMENT SIZES AND SERVICE SPACE REQUIREMENTS VARY AMONG MANUFACTURERS. CONSULT MANUFACTURER DATA FOR SPACE REQUIREMENTS AND VERIFY SPACE ADEQUACY
- 8 DO NOT BLOCK TUBE PULL, FILTER PULL, COIL PULL, SAFETY OR SERVICE CLEARANCE SPACE ON EQUIPMENT WITH PIPING, DUCTWORK, ETC. FLANGED OR REMOVABLE SECTIONS MAY BE USED IN SOME INSTANCES WHERE TIGHT CLEARANCES EXIST; VERIFY WITH ARCHITECT IN SUCH CASE
- 9 REFER TO ARCHITECTURAL REFLECTIVE CEILING PLAN DRAWINGS FOR COORDINATION OF MECHANICAL ITEMS TO BE INSTALLED IN CEILING AND MAKE MINOR DUCT MODIFICATIONS TO SUIT
- 10 PROVIDE ESCUTCHEONS AT ALL EXPOSED LOCATIONS WHERE PIPE PENETRATES WALL
- 11 ROOM NUMBERS AND NAMES ON THE CONSTRUCTION DOCUMENTS ARE FOR CONSTRUCTION PURPOSES ONLY AND CAN CHANGE DURING CONSTRUCTION. OBTAIN FINAL ROOM NUMBERS AND NAMES FROM THE ARCHITECT
- 12 WHERE CONCEALED BY INACCESSIBLE FINISHES, PROVIDE ACCESS DOORS TO ALL VALVE BOXES, VALVES, DUCT STATIC PRESSURE SENSORS, MANUAL VOLUME DAMPERS, FIRE DAMPERS, FIRE/SMOKE CONTROLS, AIR VENTS, DRAIN CONNECTIONS AND ALL OTHER ITEMS REQUIRING PERIODIC MAINTENANCE, OPERATION, OR ADJUSTMENT. ACCESS DOORS ARE TO BE SIZED AND LOCATED FOR EASY PERFORMANCE OF THE FUNCTION INTENDED. COORDINATE LOCATION OF ACCESS DOORS WITH ALL TRADES AFFECTED
- 13 ALL EQUIPMENT INSTALLATIONS SHALL BE INSTALLED TO MEET THE INSTALLATION AND OPERATION REQUIREMENT OF THE EQUIPMENT MANUFACTURER AND ALL CODES AND REGULATIONS IN EFFECT IN THE AREA WHERE WORK IS DONE
- 14 THE CONDENSATE DRAIN LINE SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE FLOOR DRAIN; ELEVATE UNIT TO ACCOMMODATE P-TRAP
- 15 ALL EQUIPMENT AND DEVICES TO BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF CONTRACT DRAWINGS, SPECIFICATIONS, MANUFACTURERS RECOMMENDATIONS, AND ACCORDING TO CODE
- 16 ALL EQUIPMENT TO BE TAGGED AND IDENTIFIED ACCORDING TO THE IDENTIFICATION NUMBER OR DESIGNATION ON THE MECHANICAL DRAWING EQUIPMENT SCHEDULES
- 17 ALL HVAC EQUIPMENT SHALL MEET THE REQUIREMENTS OF ASHRAE STANDARD 90.1-2004
- 18 CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK, ACCESS DOORS, VOLUME DAMPERS, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY FOR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOTE BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS
- 19 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, LOCATE ALL ROOM THERMOSTATS AND HUMIDISTATS 4'-0" (CENTERLINE) AFF. NOTIFY THE ENGINEER OF ANY ROOMS WHERE THE ABOVE LOCATION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION
- 20 ALL DUCTWORK SHALL CLEAR DOORS AND WINDOWS
- 21 ALL AIR HANDLING UNITS SHALL OPERATE WITHOUT MOISTURE CARROVER
- 22 PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, AND EXHAUST) CONNECTED TO AIR HANDLING UNITS, FANS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
- 23 UNLESS OTHERWISE NOTED, ALL DUCTWORK IS OVERHEAD, TIGHT TO UNDERSIDE OF THE STRUCTURE, WITH SPACE FOR INSULATION IF REQUIRED
- 24 RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED 6 FEET
- 25 SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING THE SMOKE DETECTOR IN DUCTWORK AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS
- 26 SEE SPECIFICATIONS FOR DUCTWORK GAUGES, BRACING, HANGERS, AND OTHER REQUIREMENTS
- 27 REFER TO HVAC SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

ALL SYMBOLS, ABBREVIATIONS, AND NOTES ABOVE ARE TYPICAL AND ARE NOT NECESSARILY USED IN THESE CONSTRUCTION DOCUMENTS



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REVISIONS

Scale Note: Scale shown on sheets are accurate for 24x36 prints. Scale is halved for 18x24 prints.

Job No:

Date: 6-15-22

Drawn: KGV

BIDDING AND CONTRACT PHASE

New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections

St. Gabriel, LA.
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

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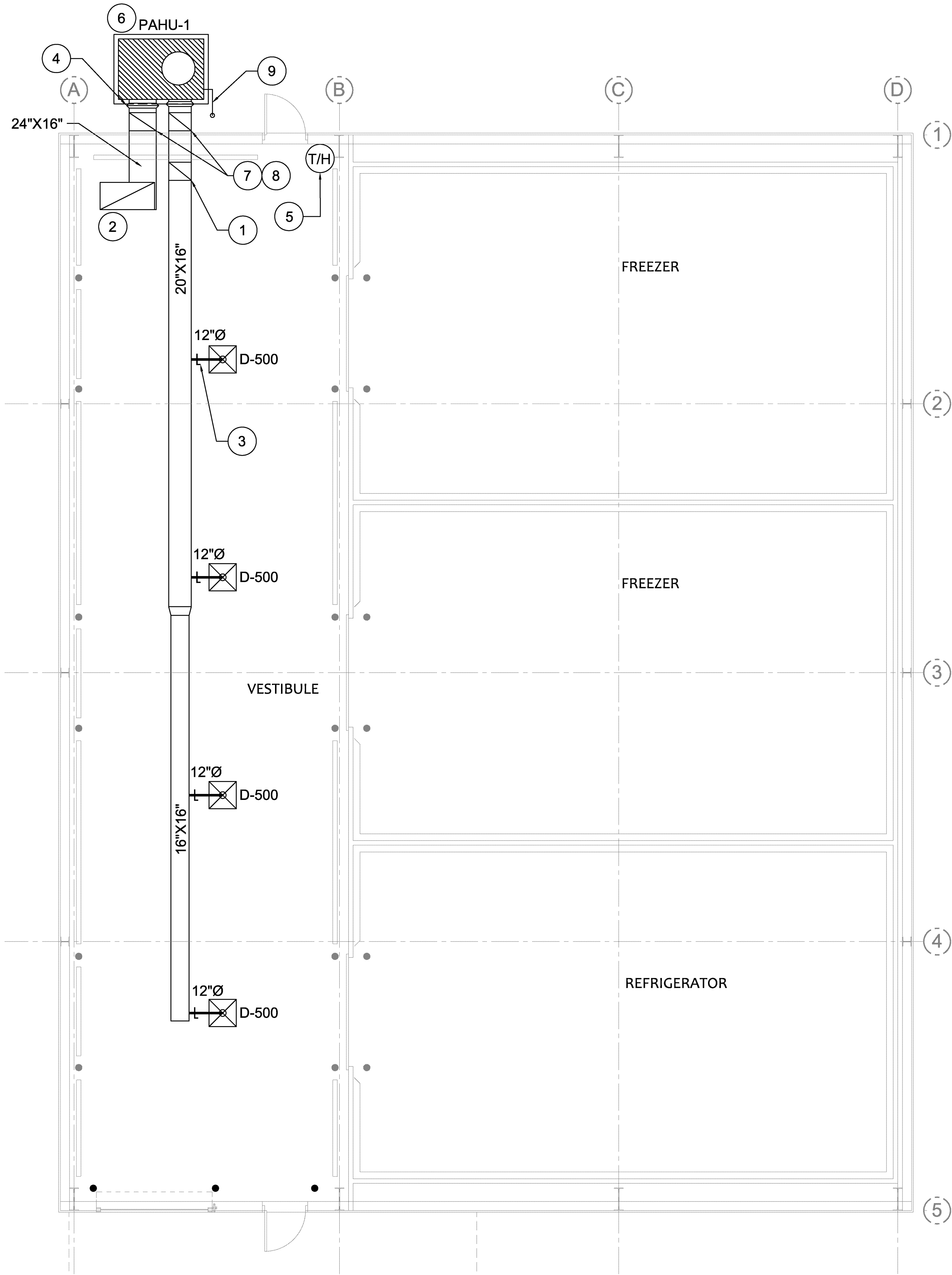
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Of _____



THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #22-046
Frank Saville Thompson - License No. 28854

Printed at 8:45:18 AM on 06/15/2022 by Kathy Verdun



HVAC PLAN
3/16" = 1'-0"

MECHANICAL NOTES

- TURNING VANES IN SUPPLY, RETURN AND EXHAUST DUCT ELBOWS 45 DEGREES OR GREATER, TYPICAL.
- 48"X24" RETURN AIR GRILLE, TYPICAL. 1/2"X1/2"X1" ALUMINUM EGGCRATE GRILLE, WHITE.
- LOW LOSS TAP AND MANUAL VOLUME DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, TYPICAL FOR ALL ROUND DUCT TAKE-OFF. SEE AIR EXTRACTOR DETAIL.
- FLEX. CONNECTION TYPICAL ON INLET AND DISCHARGE OF UNIT. CONTRACTOR SHALL MAKE NECESSARY TRANSITIONS FROM INLET AND DISCHARGE OF UNIT TO SUPPLY AND RETURN DUCTWORK.
- THERMOSTAT/ HUMIDISTAT, MOUNTED SAME HEIGHT AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ORDERING.
- NEW SLAB MOUNTED PACKAGE AIR HANDLING UNIT. LOCATE UNIT WITH THE NECESSARY OPERATIONAL CLEARANCE FROM ANY BUILDING OVERHANG.
- CONTRACTOR SHALL ROUTE SUPPLY AND RETURN AIR DUCTWORK UP AND PENETRATE BUILDING ABOVE CLOUDS AND SHALL MAKE PENETRATIONS WEATHERTIGHT. CONTRACTOR SHALL INSTALL DUCT TO SLOPE AWAY FROM EXTERIOR WALL SO THAT POOLING OF WATER BETWEEN DUCT AND WALL WILL NOT OCCUR.
- ALL EXTERIOR DUCTWORK SHALL BE INSULATED DOUBLE WALL DUCTWORK. ALL SEAMS AND BUILDING PENETRATIONS SHALL BE SEALED WEATHERTIGHT. DUCT SHALL BE SLOPED SO THAT NO POOLING OF WATER WILL OCCUR. DUCT SHALL RUN THROUGH EXTERIOR WALL. CONTRACTOR MAY TRANSITION TO SINGLE WALL DUCT ONCE INSIDE BUILDING. SUPPLY AND RETURN AIR DUCTWORK INCLUSIVE.
- ROUTE 1" CONDENSATE DRAIN TO HUBB DRAIN, RE: SHEET P-1.1. CONDENSATE LINE SHALL BE COPPER WITH 3/4" ARMAFLEX INSULATION W/ ALUMINUM JACKET.

MECHANICAL LEGEND		
SYMBOL	ABBREV	DECRYPTION
	AFF	ABOVE FINISHED FLOOR
	KW	KILOWATTS
	NTS	NOT TO SCALE
	PAHU	PACKAGE AIR HANDLING UNIT
	CFM	CUBIC FEET PER MINUTE
	R/A	RETURN AIR
	S/A	SUPPLY AIR
	2-B-250	DIFFUSER IDENTIFICATION, QUANTITY-NECK SIZE-CFM
	SCH.	SCHEDULE
①	-	MECHANICAL PLAN NOTE
	-	48"X24" R/A GRILLE
	OBD	OPPOSED BLADE DAMPER
	-	SQUARE LOUVERED CEILING DIFFUSER
	-	THERMOSTAT/HUMIDISTAT

PACKAGE AIR HANDLING UNIT SCHEDULE

1. UNIT SHALL BE SINGLE POINT ELECTRICAL SERVICE AS SCHEDULED UNDER A/C UNIT ELECT. SERVICE AND A/C UNIT FLA.

2. PROVIDE FACTORY INSTALLED COIL GUARDS.

3. PROVIDE MOTORIZED DAMPER AND MANUAL VOLUME DAMPER (INTEGRAL TO UNIT) ON OUTSIDE AIR OPENING.

4. CONTRACTOR SHALL VERIFY EXACT ELECTRICAL REQUIREMENTS W/ EQUIP. MANUFAC. PRIOR TO ORDERING OR INSTALLING. CONTRACTOR SHALL FULLY COORDINATE W/ ELECTRICAL & PLUMBING PRIOR TO ORDERING & INSTALLING.

5. UNIT SHALL HAVE INTEGRAL VIBRATION ISOLATION.

6. UNIT MUST HAVE INVERTER COMPRESSOR.

7. UNIT MUST HAVE DEHUMIDIFICATION CAPABILITIES, MODULATING HOT GAS REHEAT.

8. MINIMUM OF 12.7 EER / 16.5 SEER.

GENERAL		SUPPLY FAN					COMPRESSORS		COND. FAN	ELECTRIC HEAT		EVAPORATION COIL		ELECTRICAL (UNIT)			REMARKS
NO.	TONS	TOTAL CFM	CFM F.A.	MIN EXT. S.P.	HP.	FLA.	NO. COMP.	RLA (EA.)	NO. FANS	NO. CIRC.	KW	TOTAL BTUH	MIN. NO. ROWS	ELECT. SERVICE	MIN. CIRC. AMPS	MAX. FUSE SIZE	
PAHU-1	5.0	2,000	200	.83"	4.0	4.0	2	6.75	1	4	18	60,000	2	480/3/60	32.1	35	DAIKIN DPS005A OR VALENT, AAON APPROVED EQUAL

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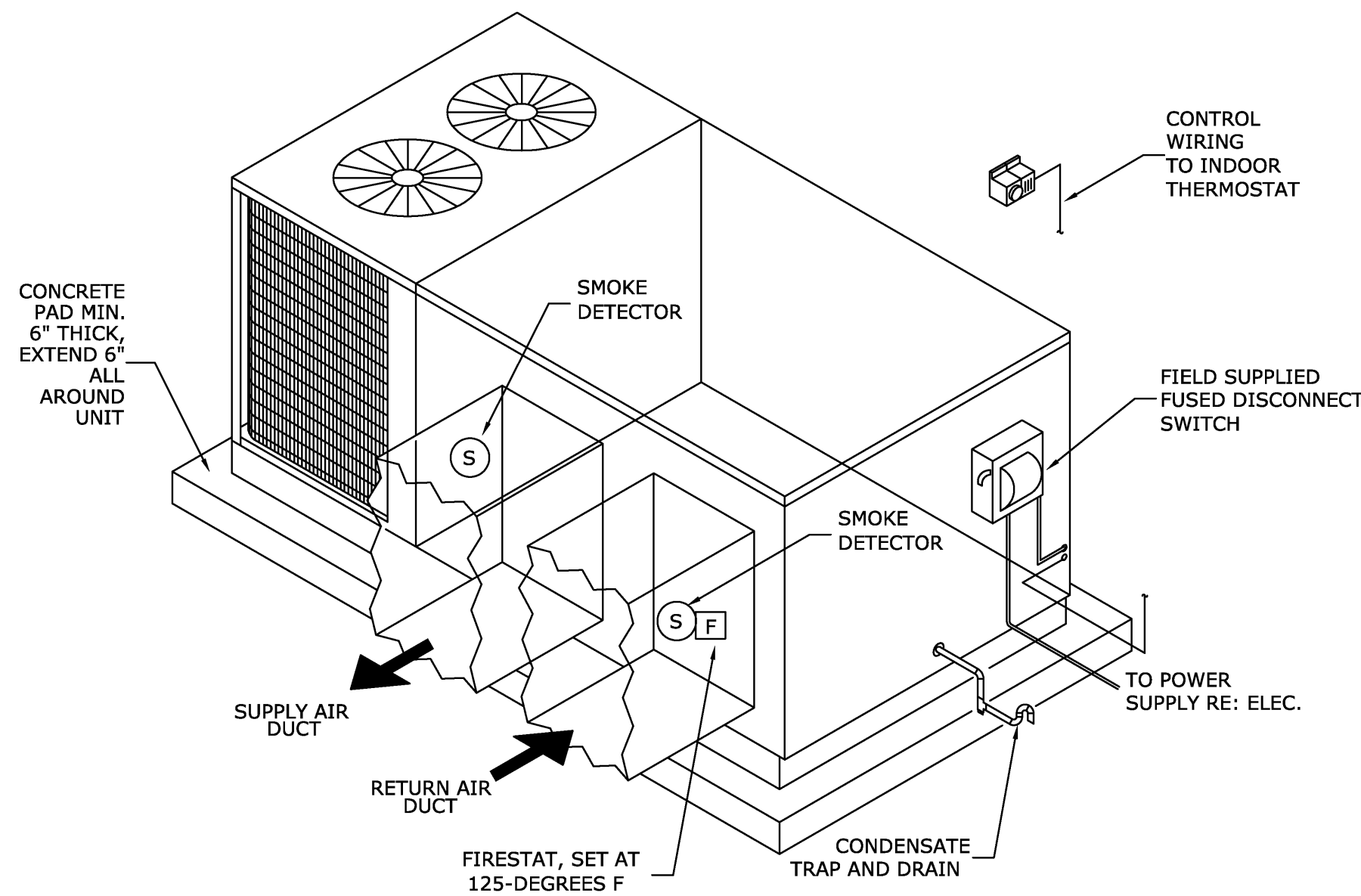
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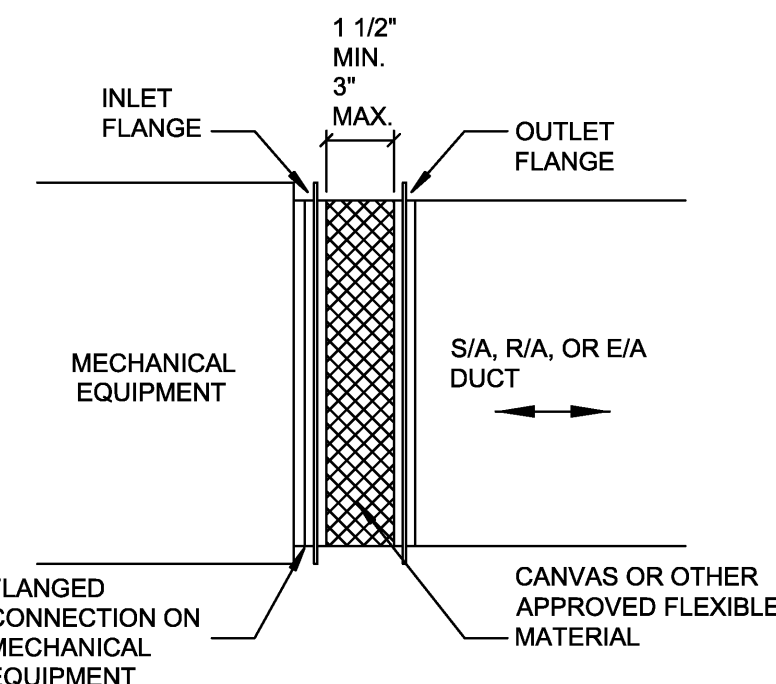
New Cold Storage Building
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BIDDING AND CONTRACT PHASE

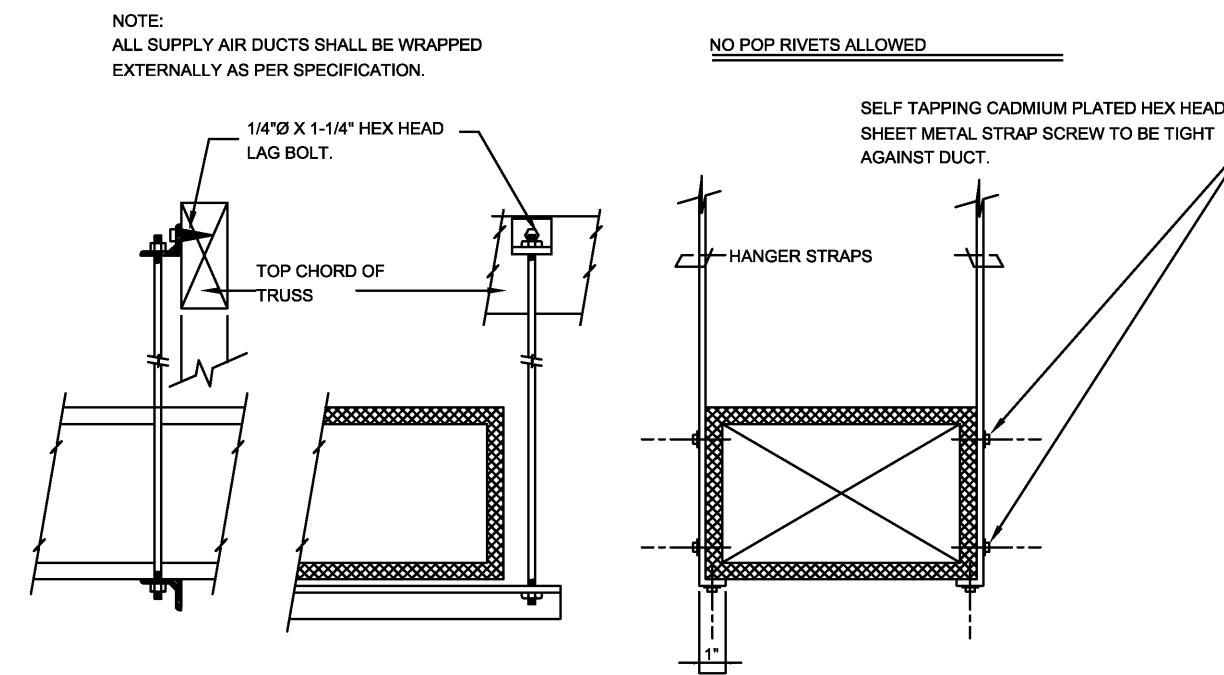


1 DETAIL-SLAB MOUNTED PACKAGE AIR HANDLING UNIT
SCALE: N.T.S.

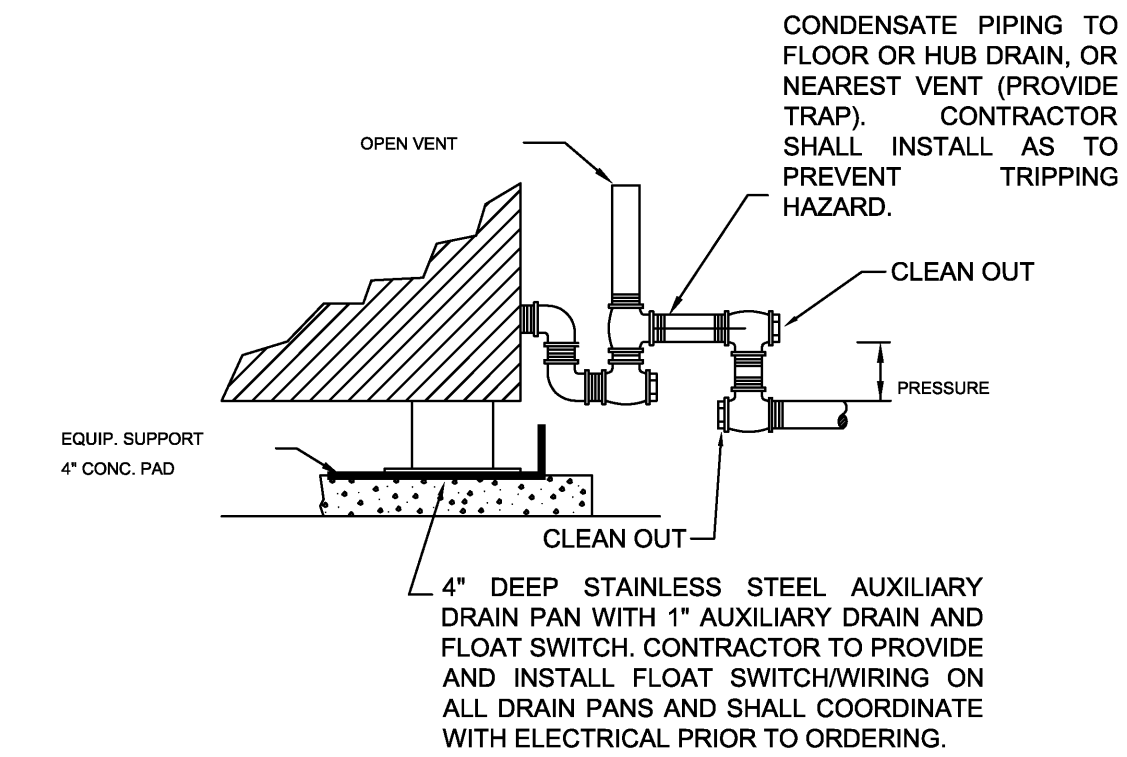


2 DETAIL-FLEXIBLE CONNECTION
SCALE: N.T.S.

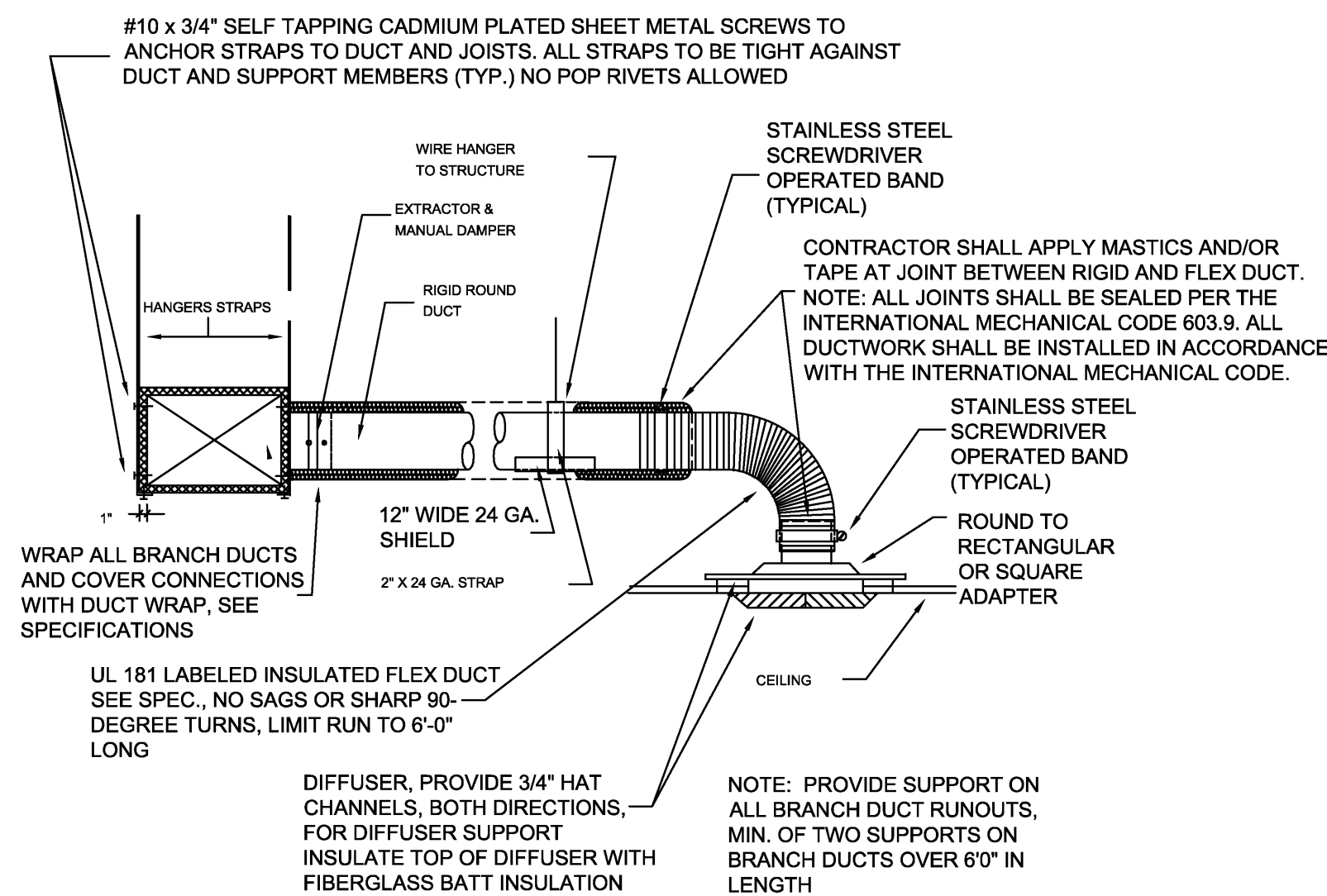
MAX. SIZE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"x1/8" GAGE STRIP	1-1/2"x1-1/2"x1/8"	10'-0"
36"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
48"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"
84"	3/8" ROUND ROD	2"x2"x1/8"	8'-0"



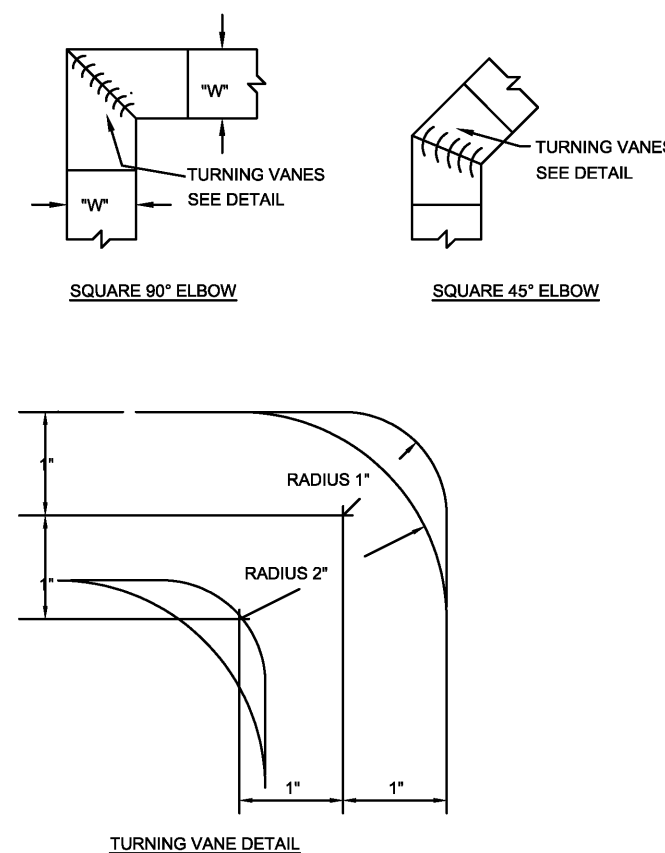
3 DETAIL- DUCTWORK SUPPORTS
SCALE: NO SCALE



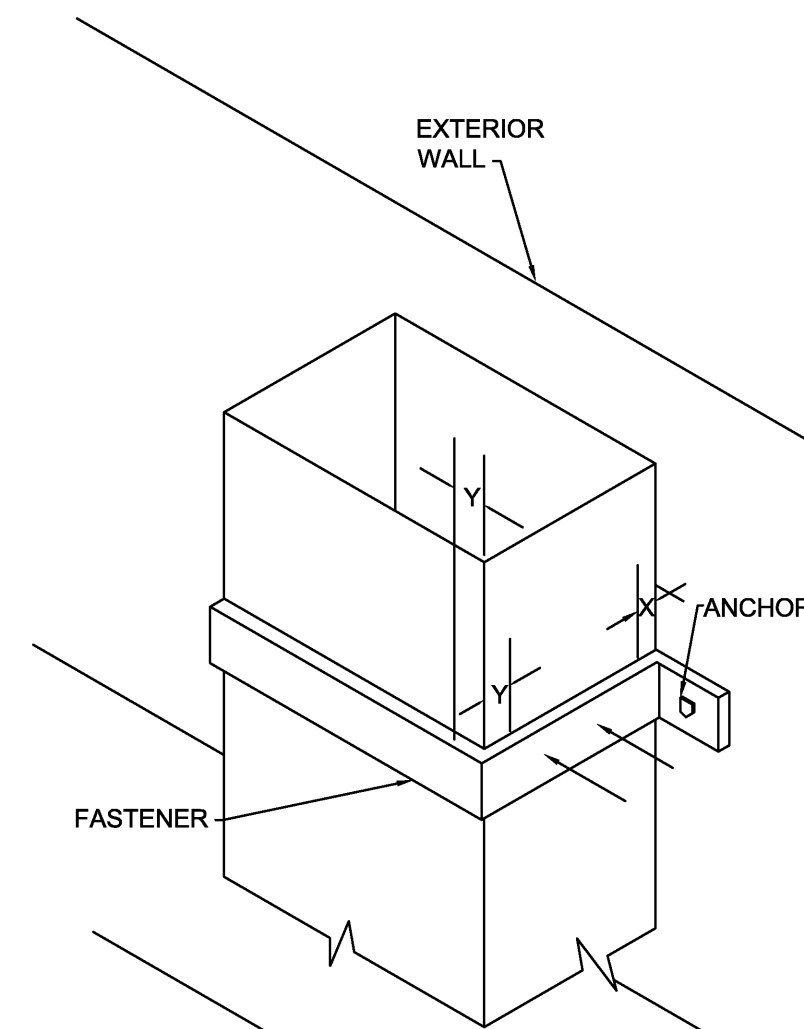
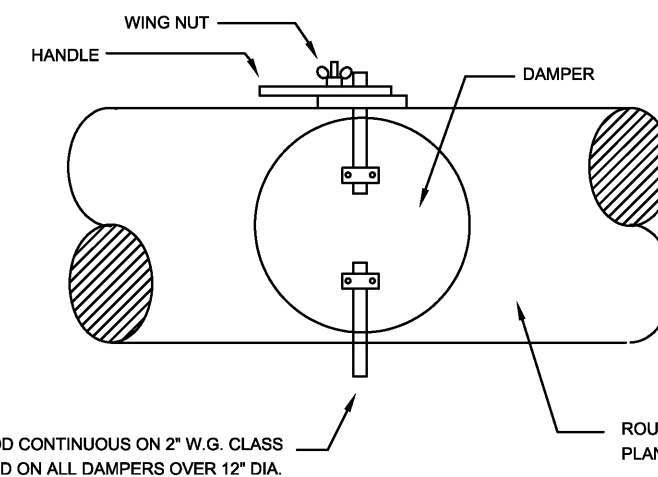
4 DETAIL-CONDENSATE DRAIN
SCALE: N.T.S.



5 DETAIL-DIFFUSER CONNECTION
SCALE: N.T.S.



7 DETAIL-ROUND MANUAL VOLUME DAMPER
SCALE: N.T.S.

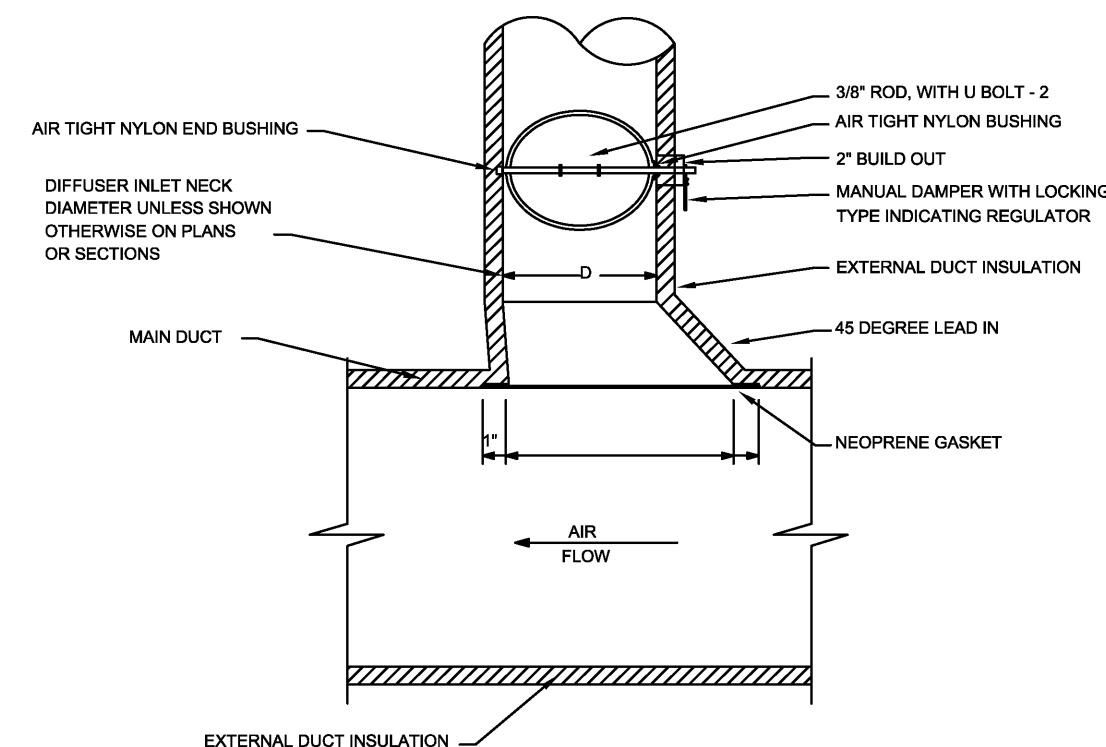


NOTES:
1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT, MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2\"/>

FIGURE A
SUGGESTED SIZING

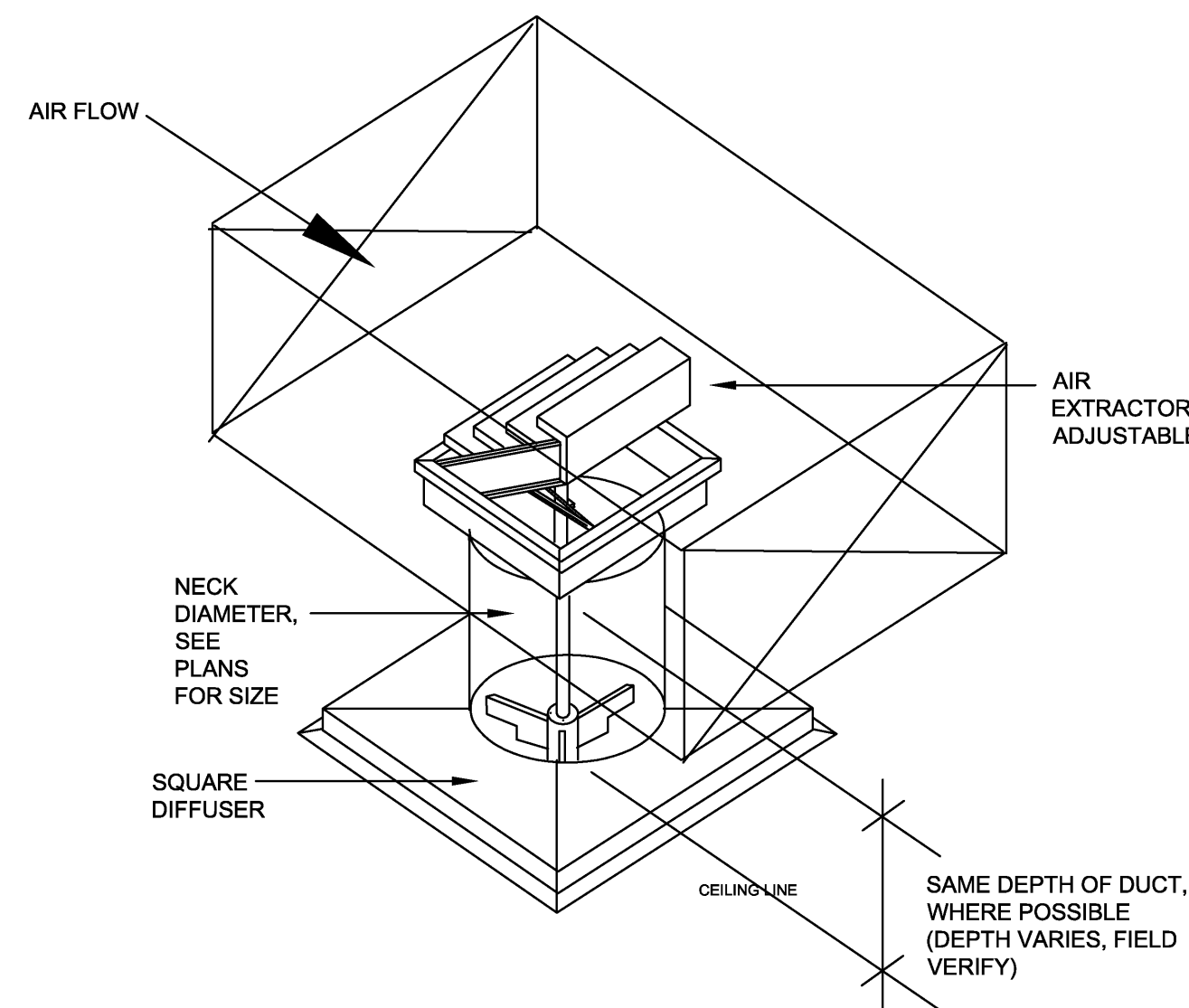
<u>DUCT SIZE</u>	<u>ANGLE</u>
18"x12"	1-1/2"x16 GA.
24"x20"	1"x1/8"
<u>DUCT GAUGE</u>	<u>ALLOWABLE LOAD PER FASTENER</u>
28, 26	25 LB.
24, 22, 20	35 LB.
18, 16	50 LB.

* WELD, BOLT OR NO.8 SCREW (MIN.) DEVIATION PERMITTED BY OTHER ANALYSIS. X=1\", Y=2\"/>



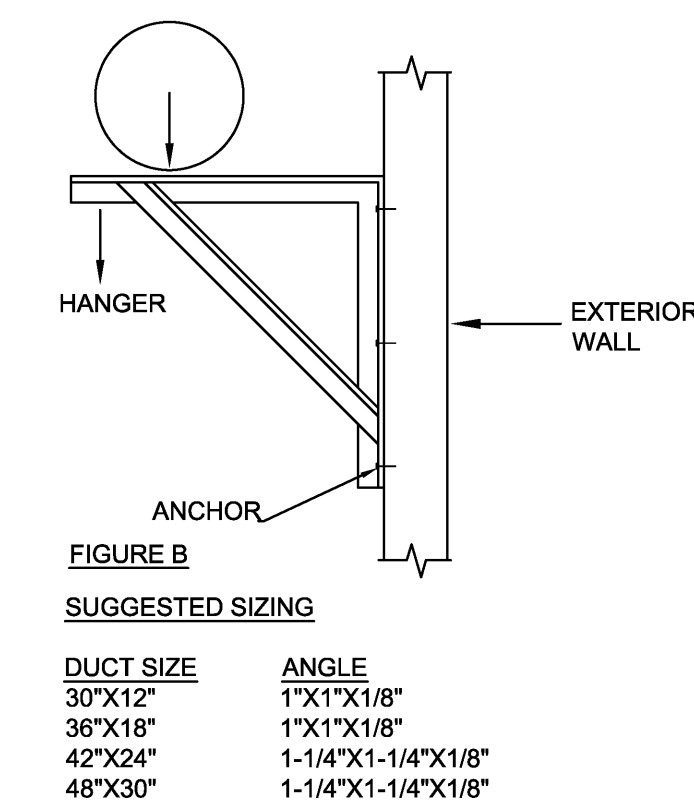
NOTES:
1. THIS DETAIL FOR EXTERNALLY INSULATED DUCTWORK.
2. EXTEND ROUND SHEETMETAL DUCTWORK AND ASSOCIATED DUCT INSULATION FROM MAIN DUCT, SO FLEXIBLE DUCT LENGTH DOES NOT EXCEED 6 FEET.
3. FLEX DUCT: FLEXMASTER TYPE 8M-86, OR APPROVED EQUAL - SUBMIT SAMPLE FOR APPROVED EQUAL.

8 DETAIL-EXTRACTOR & MANUAL DAMPER
SCALE: N.T.S.

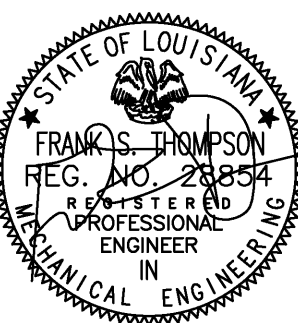


9 DETAIL-DIFFUSER DROP INSTALLATION
SCALE: N.T.S.

10 DETAIL-DUCTWORK SUPPORTS FROM EXTERIOR WALL
SCALE: N.T.S.



<u>DUCT SIZE</u>	<u>ANGLE</u>
30"X12"	1"X1"X1/8"
36"X18"	1"X1"X1/8"
42"X24"	1-1/4"X1-1/4"X1/8"
48"X30"	1-1/4"X1-1/4"X1/8"



**CRESS & LOPRESTO
ARCHITECTS L.L.C.**
A PROFESSIONAL ARCHITECTURAL COMPANY
10608 COURSEY BLVD., STE. A 70816
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Job No: 6-15-22
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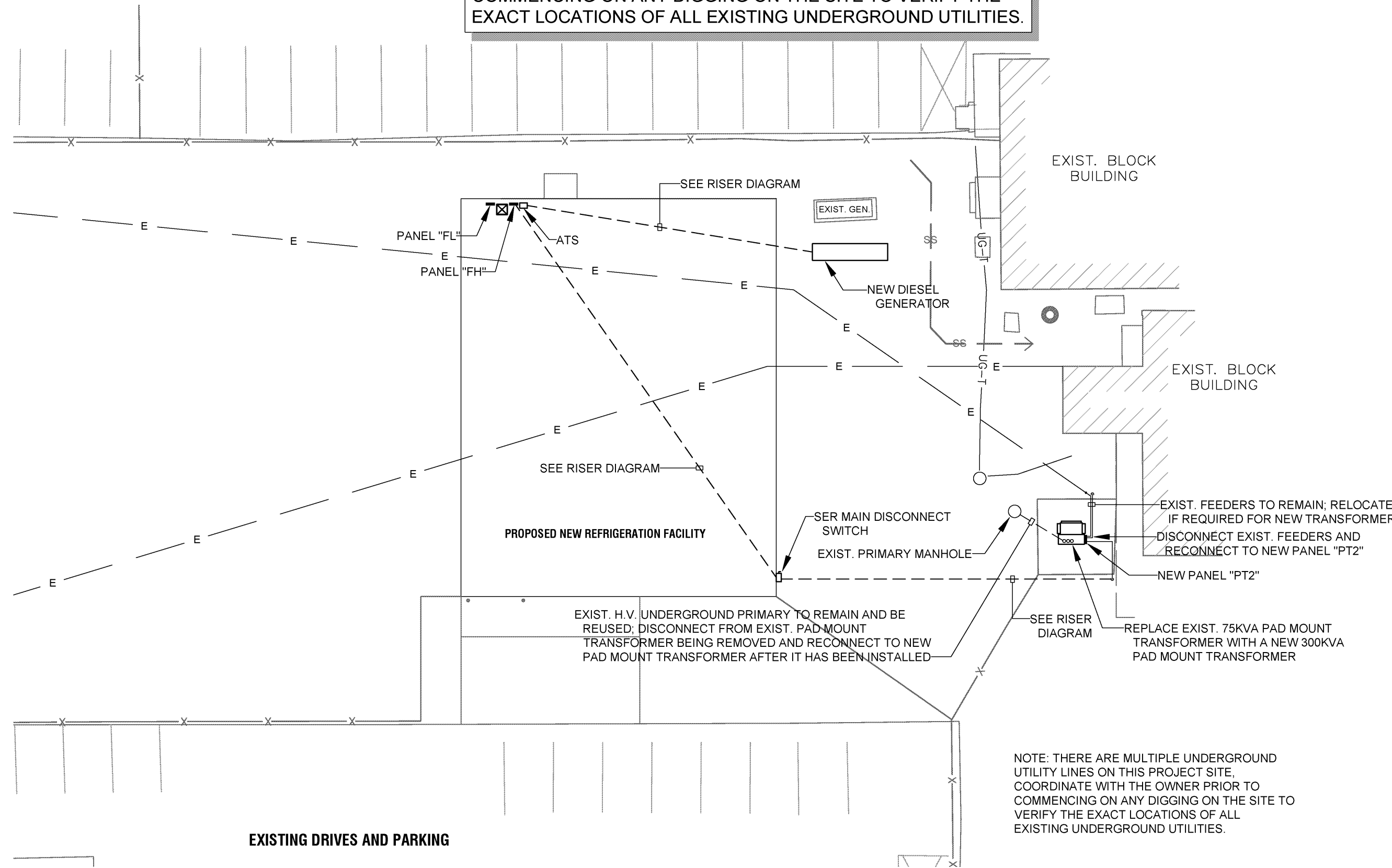
BIDDING AND CONTRACT PHASE

New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections
St. Gabriel, LA.
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

Sheet No. **M-1.2**
Of

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #22-046
Frank Saville Thompson - License No. 28854

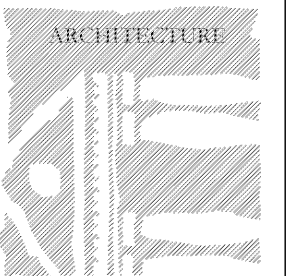
NOTE: THERE ARE MULTIPLE UNDERGROUND UTILITY LINES ON THIS PROJECT SITE. COORDINATE WITH THE OWNER PRIOR TO COMMENCING ON ANY DIGGING ON THE SITE TO VERIFY THE EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES.



1 PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=40'-0"

SYMBOL SCHEDULE

	LED FIXTURE, "A" DENOTES TYPE
	EXIT LIGHT
	CEILING MOUNT EMERGENCY LIGHTING UNIT
	PHOTOELECTRIC CELL
	SINGLE POLE TOGGLE SWITCH
	3-WAY TOGGLE SWITCH
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
	CONDUIT IN WALL OR CEILING; DASHES DENOTE NO. OF WIRES
	CONDUIT BELOW SLAB; DASHES DENOTE NO. OF WIRES
	HOMERUN; DASHES DENOTE NO. OF WIRES
	POWER PANEL
	FUSED SAFETY DISCONNECT SWITCH
	JUNCTION BOX
	WP WEATHERPROOF
	AFF ABOVE FINISHED FLOOR
	KEYNOTE



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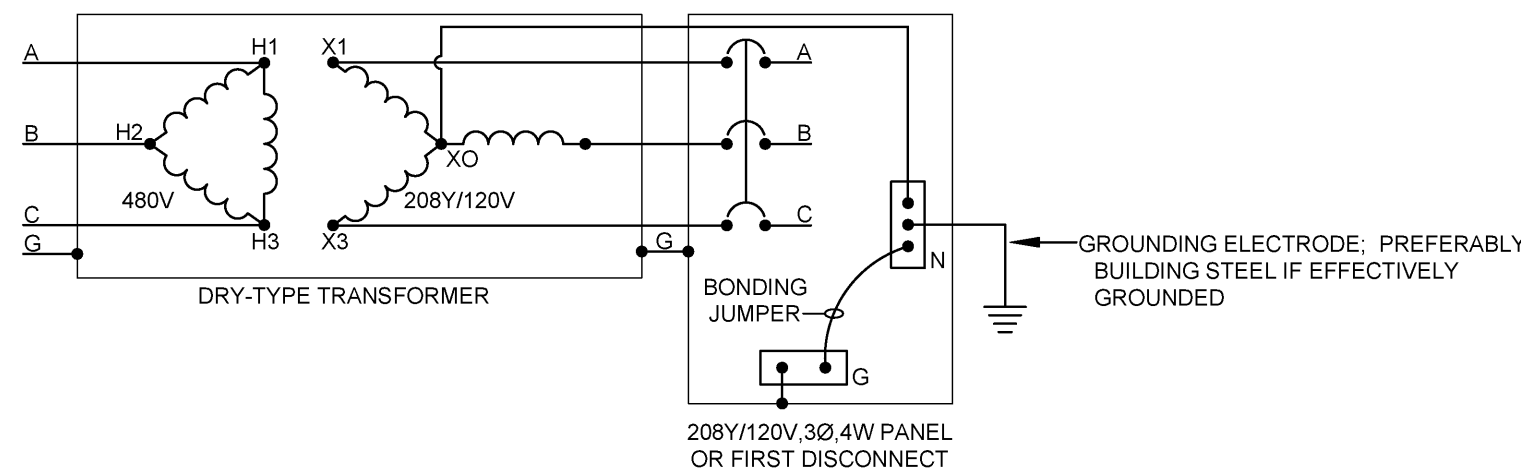
REVISIONS

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Date: 6-15-22
Drawn: tgv

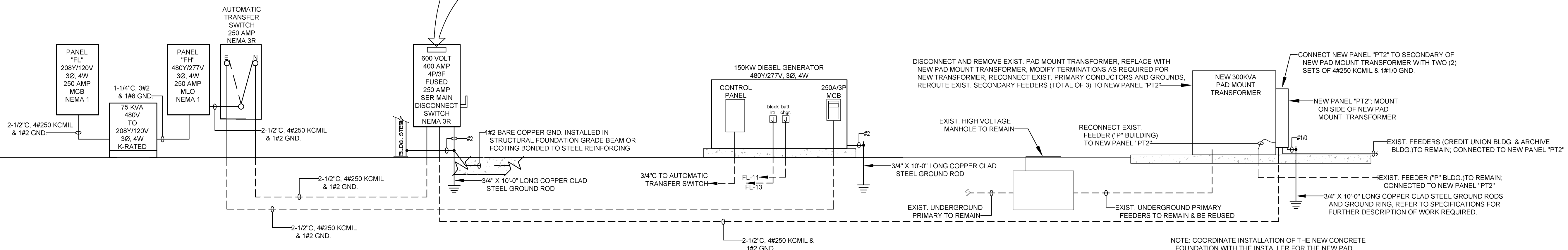
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P# 08-413-21-01, F. 08000137 State ID: NEW Site Code: 2-24-004

Sheet No: E-1.0
Of



3 DRY-TYPE TRANSFORMER/
PAD MOUNT GROUNDING DETAIL
NOT TO SCALE

INSTALL PLAQUE INDICATING THE FOLLOWING:
"CALCULATED FAULT CURRENT OF 9,135 AMPS SYMMETRICAL ON 4-20-2022
ONE (1) 300 KVA PAD MOUNT TRANSFORMER, 1.4% IMPEDANCE, ONE (1) SET OF 250 KCMIL COPPER CONDUCTORS IN NON-METALLIC RACEWAY AND A DISTANCE OF 100' WAS USED TO CALCULATE THE FAULT CURRENT - IF DIFFERENT INSTALLATION OF SERVICE, NOTIFY THE ENGINEER FOR ADJUSTMENT PRIOR TO INSTALLATION OF PLAQUE



2 RISER DIAGRAM
SCALE: NONE

PANEL "PT2"

Fed From: 300KVA TRANSFORMER

TYPE: Surface Mount Panelboard
SERVICE: 480Y/277 VOLT, 3PH, 4W
MAINS: 500 Amp Main Breaker
AIC: 22,000 AMPS FULLY RATED

Remarks: Ground Bus
Service Entrance Rated: Yes
Enclosure: NEMA 3R
MCB provided with fixed trips, not adjustable above 500 amps

pos. no.	trip amp	bkr pole	wire size	cndt.	note	service	LOAD V.A.			pos. no.	trip amp	bkr pole	wire size	cndt.	note	service
							A	B	C							
1	250	3	250	2-1/2"		NEW PANEL "FH"	31679	4000		2	70	3			1	EXIST. CREDIT UNION BLDG.
3						"		29621	4000	4						"
5						"			27797	4000	6					"
7						SPACE		7000		8	100	3			1	EXIST. "P" BLDG.
9						SPACE			7000	10						"
11						SPACE			7000	12						"
13						SPACE		14000		14	200	3			1	EXIST. ARCHIVE BLDG.
15						SPACE			14000	16						"
17						SPACE			14000	18						"
19						SPACE				20						SPACE
21						SPACE				22						SPACE
23						SPACE				24						SPACE
25						SPACE				26						SPACE
27						SPACE				28						SPACE
29						SPACE				30						SPACE
connected V.A. per phase							56,679	54,621	52,797							
total amps per phase							205	197	191							

Load Summary:	Connected	factor	demand
lights	3,306	1.25	4,133
receptacles	900	NEC 220.44	900
water heater	0	1.25	0
miscellaneous	4,500	1	4,500
heat	21,339	1	21,339
existing buildings	75,000	1	75,000
future lights	2,424	1.25	3,030
future refrigerator/freezers	59,052	1	59,052
refrigeration	59,052	1	59,052
Total (VA)	225,573		227,006
Amps	271		273

Notes:
1. Reuse existing conduit & wiring and connect to new circuit breaker in this panel. Loads shown are estimated.

THE 500 AMP MCB SHALL HAVE A MAXIMUM FIXED RATING OF 500 AMPS, A SENOR OR PLUG IS **NOT** ACCEPTABLE.



PANEL "FH"

Fed From: ATS

pos. no.	trip amp	bkr pole	wire size	cndt.	note	service	LOAD V.A.			pos. no.	trip amp	bkr pole	wire size	cndt.	note	service
							A	B	C							
1	20	1	12			LIGHTS-INTERIOR	882	11208		2	110	3	2	1-1/4"		XFMR (PANEL "FL")
3	20	1	12			LIGHTS-EXTERIOR		324	9708	4						"
5	60	3	4	1"		E-9			12476 8208	6						"
7						"	12476	7113		8	35	3	8	3/4"		PAHU-1
9						"				10						"
11						SPACE		12476	7113	12						"
13						SPACE				14						SPACE
15						SPACE				16						SPACE
17						SPACE				18						SPACE
19						SPACE				20						SPACE
21						SPACE				22						SPACE
23						SPACE				24						SPACE
25						SPACE				26						SPACE
27						SPACE				28						SPACE
29						SPACE				30						SPACE

connected V.A. per phase
total amps per phase

Load Summary:	Connected	factor	demand
lights	3,306	1.25	4,133
receptacles	900	NEC 220.44	900
water heater	0	1.25	0
miscellaneous	4,500	1	4,500
heat	21,339	1	21,339
largest motor	0	1.25	0
future lights	2,424	1.25	3,030
future refrigerator/freezers	59,052	1	59,052
refrigeration	59,052	1	59,052
Total (VA)	150,573		152,006
Amps	181		183

Notes:

PANEL "FL"

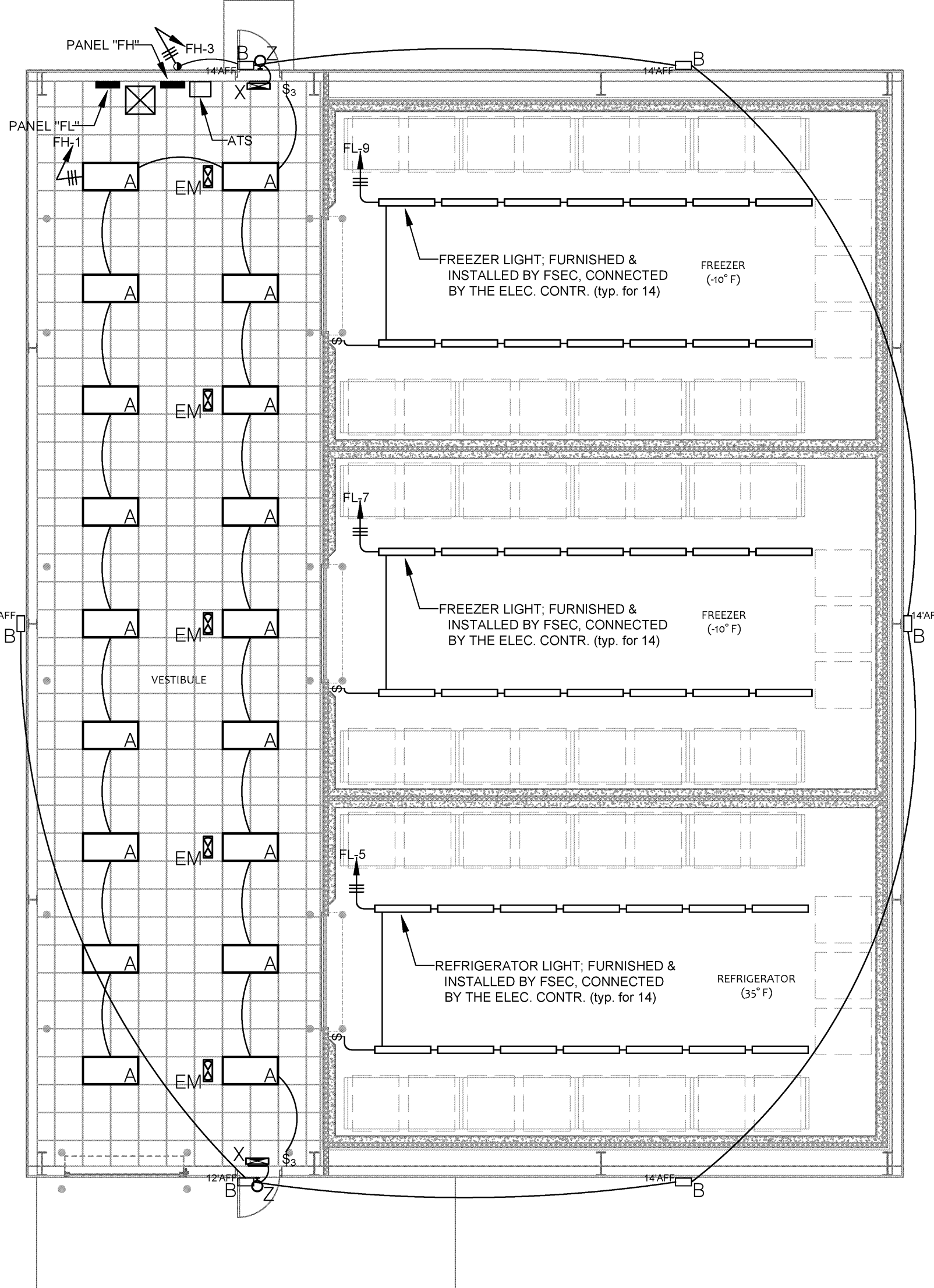
Fed From: PANEL "FH" via XFMR

pos. no.	trip amp	bkr pole	wire size	cndt.	note	service	LOAD V.A.			pos. no.	trip amp	bkr pole	wire size	cndt.	note	service
							A	B	C							
1	20	1	12			RECEPTACLES	540	1200		2	20	1	12			E-2
3	20	1	12			RECEPTACLES		360	840	4	20	1	12			E-4
5	20	1	12			LIGHTS-REFRIGERATOR				6	20	1	12			E-5
7	20	1	12			LIGHTS-FREEZER	700	1200		8	20	1	12			E-5
9	20	1	12			LIGHTS-FREEZER		700	240	10	20	1	12			E-7
11	20	1	12			GENERATOR BATTERY CHGR.			240	12	20	1	12			E-7
13	30	2	10			GENERATOR BLOCK HEATER	1000	2784		14	40	3	8	3/4"		E-8
15						SPACE			2784	16						"
17						SPACE				18						"
19						SPACE		2784		20	40	3	8	3/4"		E-8
21						SPACE				22						"
23						SPACE			2784	24						"
25						SPACE				26						SPACE
27						SPACE				28						SPACE
29						SPACE				30						SPACE
31						SPACE				32						SPACE
33						SPACE				34						SPACE
35						SPACE				36						SPACE
37						SPACE				38						SPACE
39						SPACE				40						SPACE
41						SPACE				42						SPACE
43						SPACE				44						SPACE
45						SPACE				46						SPACE
47						SPACE				48						SPACE
49						SPACE				50						SPACE
51						SPACE				52						SPACE
53						SPACE				54						SPACE

total amps per phase

Load Summary:	Connected	factor	demand
lights	2,100	1.25	2,625
receptacles	900	NEC 220.44	900
water heater	0	1.25	0
miscellaneous	1,240	1	1,240
heat	0	1	0
largest motor	0	1.25	0
future lights	2,100	1.25	2,625
future refrigerator/freezers	21,624	1	21,624
refrigeration	21,624	1	21,624
Total (VA)	49,568		50,638
Amps	138		141

Notes:



1 COLD STORAGE LIGHTING PLAN

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

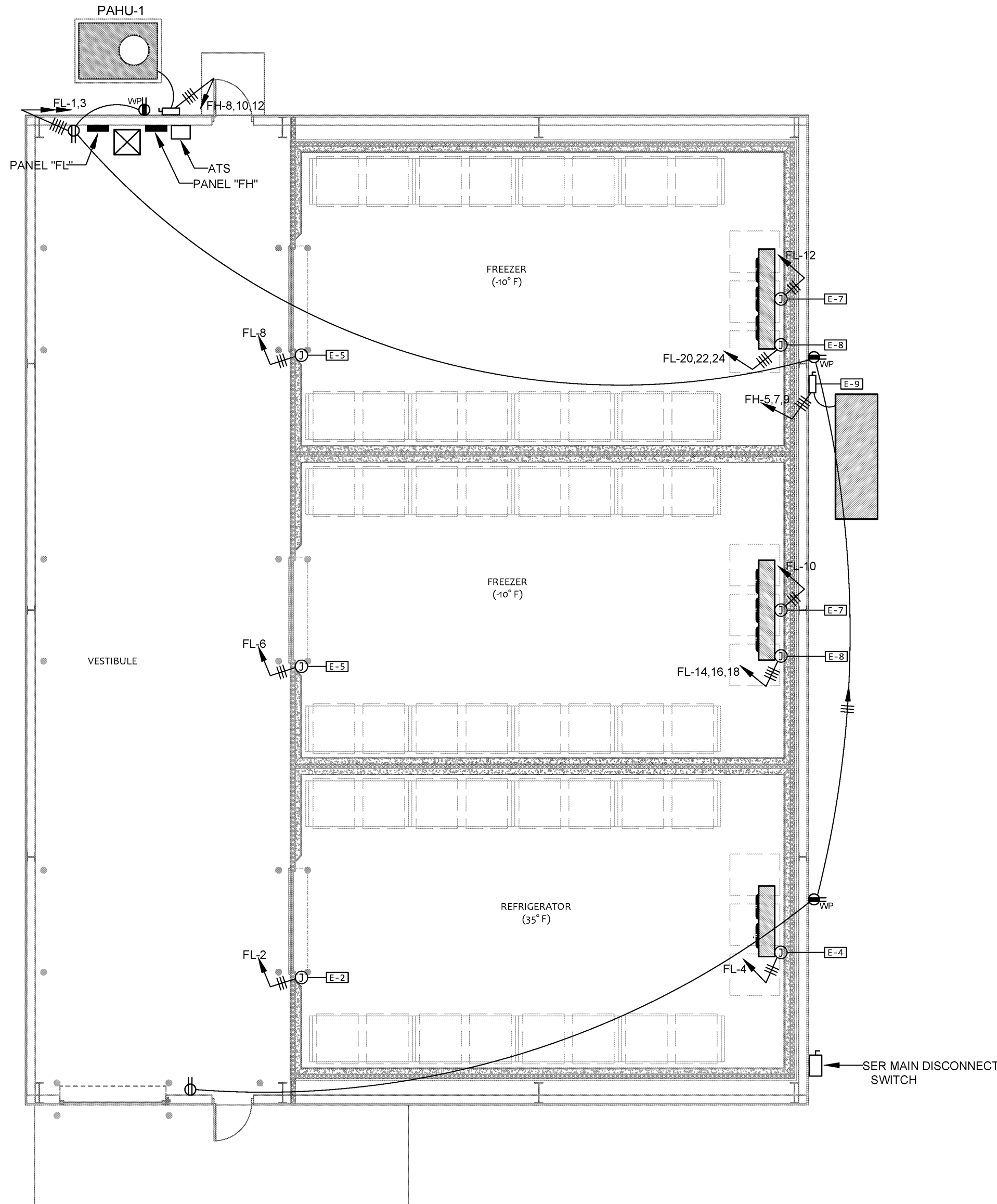
LIGHTING PLAN NOTES

- THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING IN BID A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS.
- VERIFY THE EXACT LOCATION OF ALL LIGHT FIXTURES WITH THE REFLECTED CEILING PLAN.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILINGS TO ACCEPT LIGHT FIXTURES; PROVIDE APPROPRIATE TRIMS AT EACH CEILING TYPE. REFERENCE THE REFLECTED CEILING PLAN FOR CEILING TYPES.
- VERIFY THE EXACT LOCATION OF ALL LIGHT SWITCHES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- ELECT. CONTR. SHALL VERIFY THE FINISH OF ALL INTERIOR AND EXTERIOR LIGHTS WITH THE ARCHITECT PRIOR TO ORDERING ANY LIGHT FIXTURES.
- CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTS TO THE LIGHTING CIRCUIT IN THE ROOM THEY ARE LOCATED IN AHEAD OF ALL CONTROLS.
- COORDINATE THE EXACT LOCATION OF THE PHOTOCELL WITH THE ARCHITECT PRIOR TO ROUGH-IN.

TYPE	MANUF./CATALOG NO.	LAMPING						DESCRIPTION
		TYPE	QNTY	VOTAGE	WATTAGE	FINISH		
A	LITHONIA #CPX 2X4 AL08 SWW7 M2	4,033-6,563 LUMEN/ 4000°K	N/A	120/277	49	WHITE		2 X 4 LAY-IN FLAT PANEL, ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DIMMING DRIVER, LUMEN SWITCHABLE
B	LITHONIA #TWX2 LED AL0 S0K MVOLT PE FINISH	1,450-6,850 LUMEN/ 5000°K	N/A	120/277	54	WHITE		LED WALL PACK, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LUMEN SWITCHABLE, WET LOCATION LISTED
X	LITHONIA #EXR LED EL	RED LED	N/A	120/277	6	WHITE		EXIT LIGHT, THERMOPLASTIC HOUSING, BUILT-IN BATTERY
Z	EXITRONIX #TR-WB-XX(COLOR)	LED	N/A	120/277	6	AS		EXTERIOR EMERGENCY EGRESS LIGHT, DIE-CAST ALUMINUM HOUSING, SELECTED BUILT-IN BATTERY, WET LOCATION LISTED
EM	LITHONIA #ELM2L	LED	N/A	120/277	6	WHITE		WALL MOUNT EMERGENCY LIGHTING UNIT WITH BUILT-IN BATTERY, THERMOPLASTIC HOUSING

POWER PLAN NOTES

- THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING IN BID A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS.
- DEVICE LOCATIONS REPRESENT INTENT AND ARE NOT MEANT TO SHOW THE EXACT LOCATION OF DEVICES. DO NOT SCALE DEVICES FROM THESE DRAWINGS. VERIFY EXACT LOCATION OF ALL DEVICES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECH. CONTR. AND PLUMBING CONTR. PRIOR TO ROUGH-IN.
- EACH 120 VOLT CIRCUIT SHALL HAVE ITS OWN SEPARATE NEUTRAL; SHARING OF NEUTRAL CONDUCTORS IS NOT ALLOWED.
- ALL DEVICES SHALL BE LOCATED 18" AFF UNLESS NOTED OTHERWISE.
- ALL COVER PLATES SHALL MATCH THE WALL AND CEILING COLORS.
- VERIFY THE EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL REFRIGERATION EQUIPMENT WITH THE REFRIGERATION EQUIPMENT CONTR. PRIOR TO ROUGH-IN.



2 COLD STORAGE POWER PLAN

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

REFRIGERATION EQUIPMENT ELECTRICAL ROUGH-IN DATA SCHEDULE		
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS
E-2	1	10A 120V DFA FOR DOOR FRAME HEATER, PRESSURE RELIEF PORT HEATER, AND TEMPERATURE ALARM SYSTEM OF WALK-IN COOLER ROOM
E-4	2	7A 120V 1-PH DFA FOR EVAPORATOR COIL OF WALK-IN COOLER ROOM
E-5	1	10A 120V DFA FOR DOOR FRAME HEATER, PRESSURE RELIEF PORT HEATER, AND TEMPERATURE ALARM SYSTEM OF EACH WALK-IN FREEZER ROOM
E-7	2	2A 120V DFA FOR EACH CONDENSATE DRAIN LINE HEATER OF EACH WALK-IN FREEZER ROOM
E-8	2	23.2A 208V 3-PH DFA FOR EVAPORATOR COIL OF EACH WALK-IN FREEZER ROOM
E-9	2	60A 480V 3-PH CIRCUIT (56.3 MCA) 38" ABOVE CONCRETE PAD FOR WALK-IN COOLER/FREEZER REMOTE CONDENSING UNIT
		NOTES
		6-9
		6-9
		6-8
		6,7,8,10
		11

THESE NOTES WERE TAKEN FROM THE REFER TO FOOD SERVICES DRAWINGS. REFER TO FOOD SERVICES DRAWING FOR A FULL DESCRIPTION OF WORK REQUIRED BY THIS CONTRACTOR.

REFRIGERATION EQUIPMENT ELECTRICAL ROUGH-IN DATA SCHEDULE		
1.	ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.	
2.	WHERE POSSIBLE, ALL ELECTRICAL CONDUIT/WIRING SHALL BE EXTENDED UP THROUGH AND OUT OF BUILDING WALLS.	
3.	EXTEND AND CONNECT WIRING FROM JUNCTION BOXES TO CONNECTION POINTS ON FOOD SERVICE EQUIPMENT - DIVISION 26.	
4.	WALL-MOUNTED JUNCTION BOXES SHALL BE RECESSED IN BUILDING WALL SO THAT EQUIPMENT CAN BE INSTALLED AGAINST WALLS.	
5.	FURNISH AND INSTALL ALL NECESSARY LINE DISCONNECT SWITCHES, UNLESS SPECIFIED OTHERWISE - DIVISION 26.	
6.	FURNISH AND INSTALL CONDUIT, JUNCTION BOXES, AND FIELD WIRING FOR COILS, CEILING-MOUNTED LIGHT FIXTURES, PRESSURE RELIEF PORTS, AND FREEZER DRAIN LINE HEATERS OF WALK-IN COOLERS/AND FREEZERS - DIVISION 26.	
7.	ELECTRICAL CONDUIT WITHIN WALK-IN SHALL BE FILLED (INSIDE CONDUIT) WITH FOAM URETHANE TO PREVENT CONDENSATION - DIVISION 26.	
8.	PENETRATIONS OF WALK-IN CEILING/WALL PANELS SHALL BE SEALED WITH USDA-APPROVED SEALANT.	
9.	FURNISH AND INSTALL 18 GAUGE WIRING AND TEMPERATURE SENSORS OF TEMPERATURE ALARM SYSTEMS IN ACCORDANCE WITH SPECIFICATIONS - DIVISION 11. REFER TO TEMPERATURE ALARM SYSTEM WIRING DIAGRAM D11, SHEET FS2.2.	
10.	WALK-IN FREEZER EVAPORATOR COIL SPECIFIED INCLUDES PRE-WIRED ON-DEMAND DEFROST CONTROLLER.	
11.	FURNISH AND INSTALL PRE-WIRED UL-LISTED CIRCUIT BREAKERS AND LINE DISCONNECT SWITCH - DIVISION 26.	

THESE NOTES WERE TAKEN FROM THE REFER TO FOOD SERVICES DRAWINGS. REFER TO FOOD SERVICES DRAWING FOR A FULL DESCRIPTION OF WORK REQUIRED BY THIS CONTRACTOR.

PACKAGE AIR HANDLING UNIT SCHEDULE - ELECTRICAL LOAD DATA											
GENERAL	SUPPLY FAN				COMPRESSORS		COND. FAN		ELECTRIC HEAT		ELECTRICAL UNIT
	NO.	TONS	TOTAL CFM	HP.	FLA.	NO. COMP.	RLA (EA.)	NO. FANS	NO. CIRC.	KW	
PAHU-1	5.0	2,000	200	4.0	4.0	2	6.75	1	4	18	480/3/60
											32.1
											35



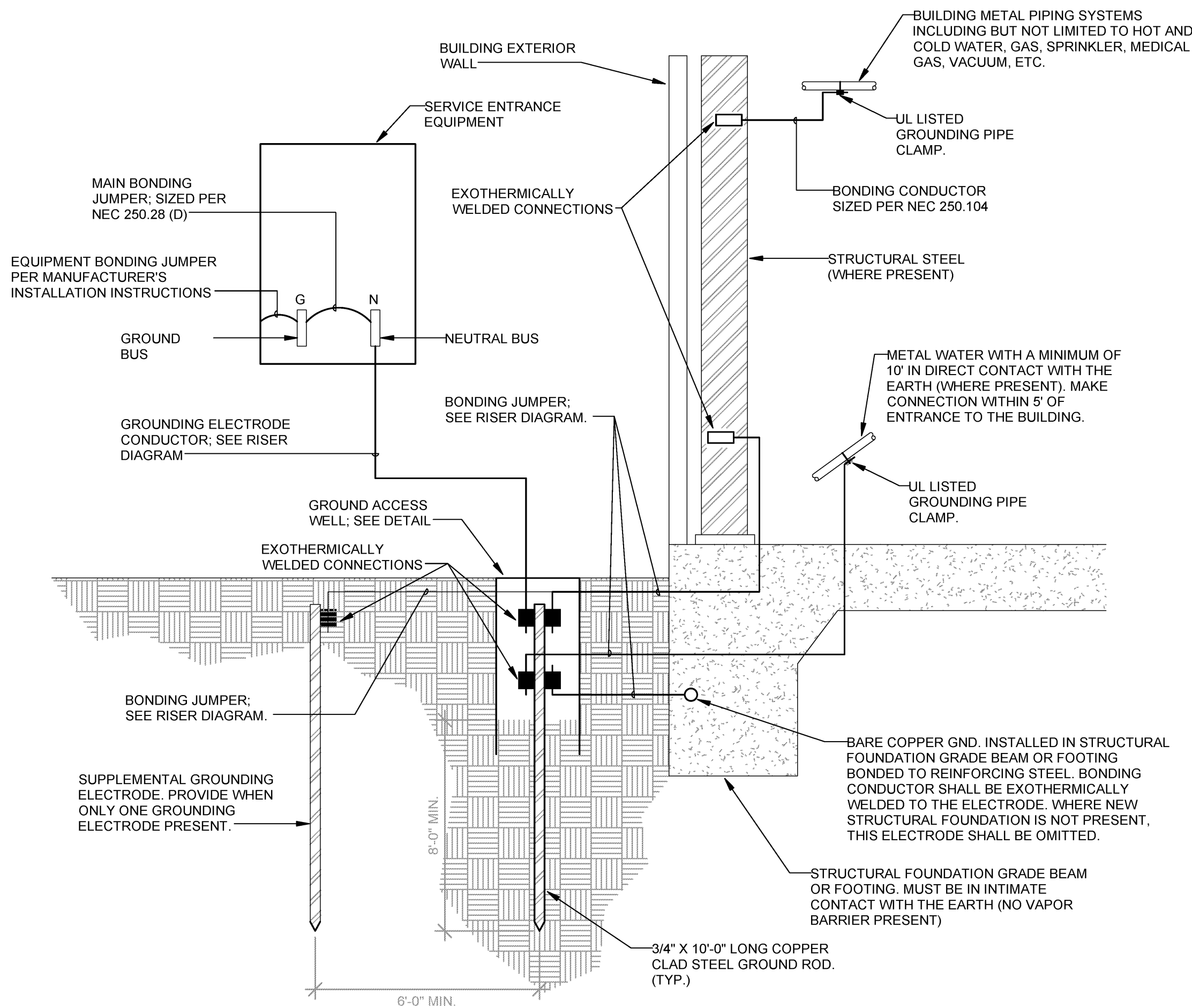
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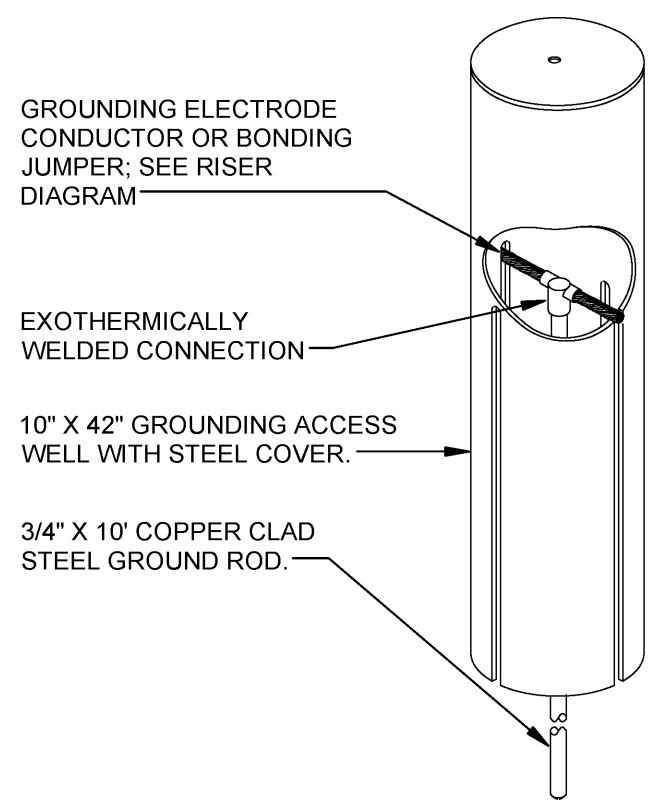
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Sheet No. **E-1.1**

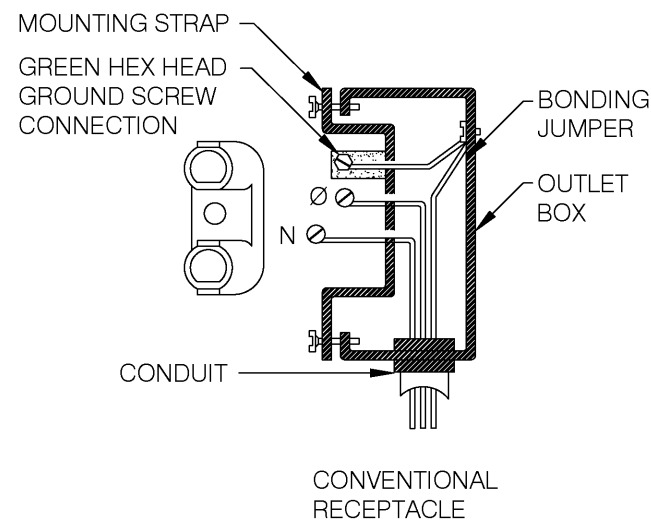
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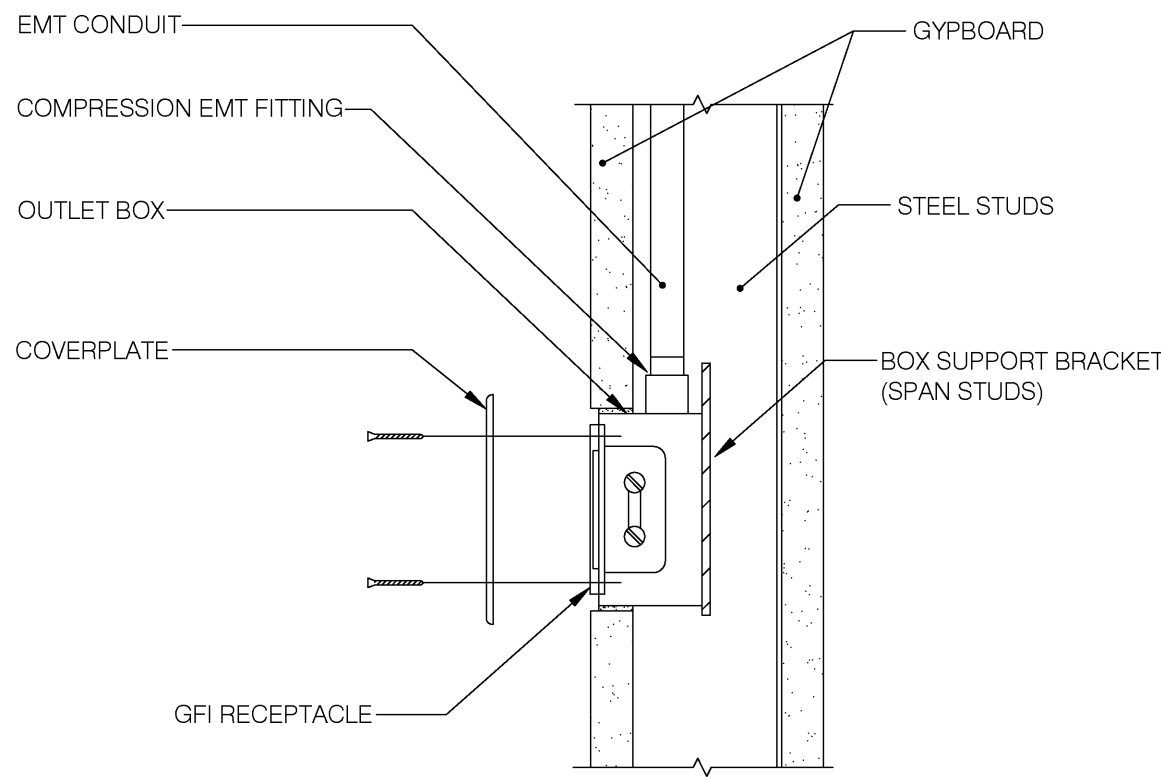
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SCALE: NOT TO SCALE



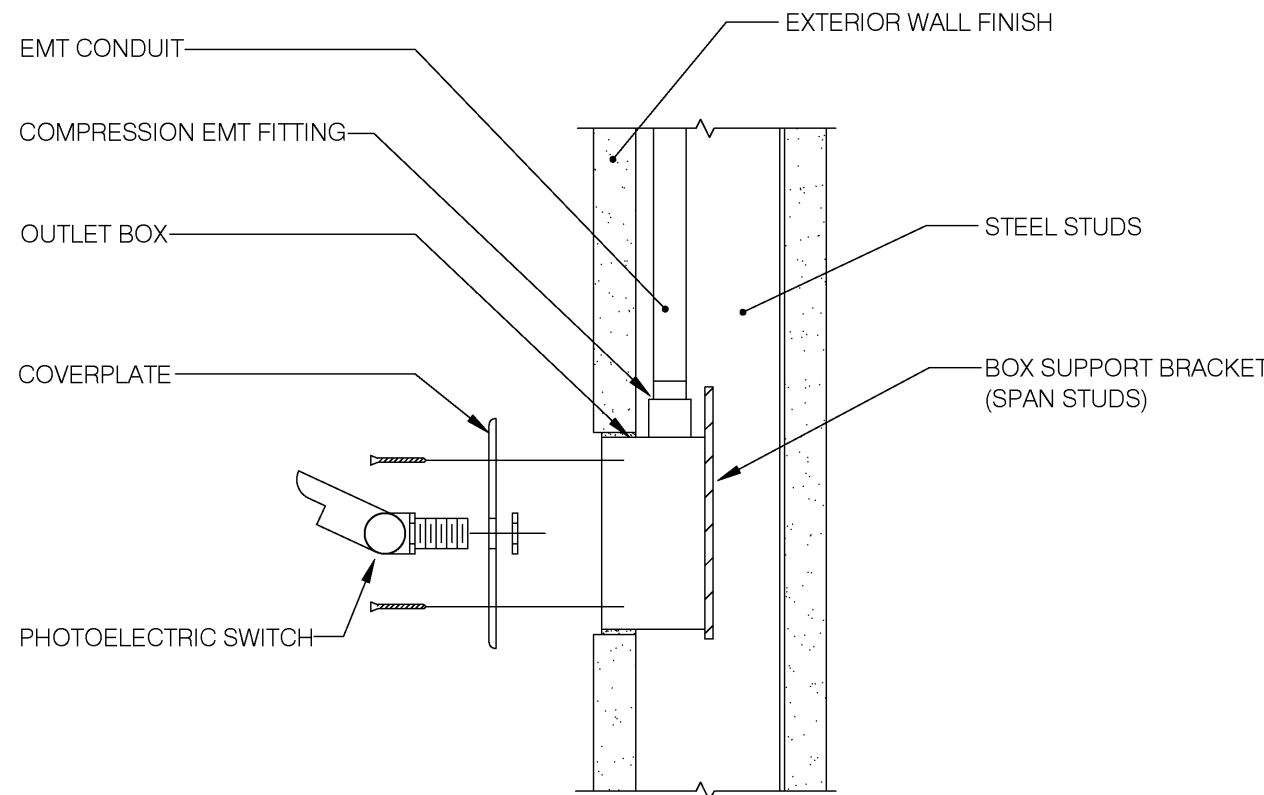
2-GROUND ACCESS WELL DETAIL
SCALE: NOT TO SCALE



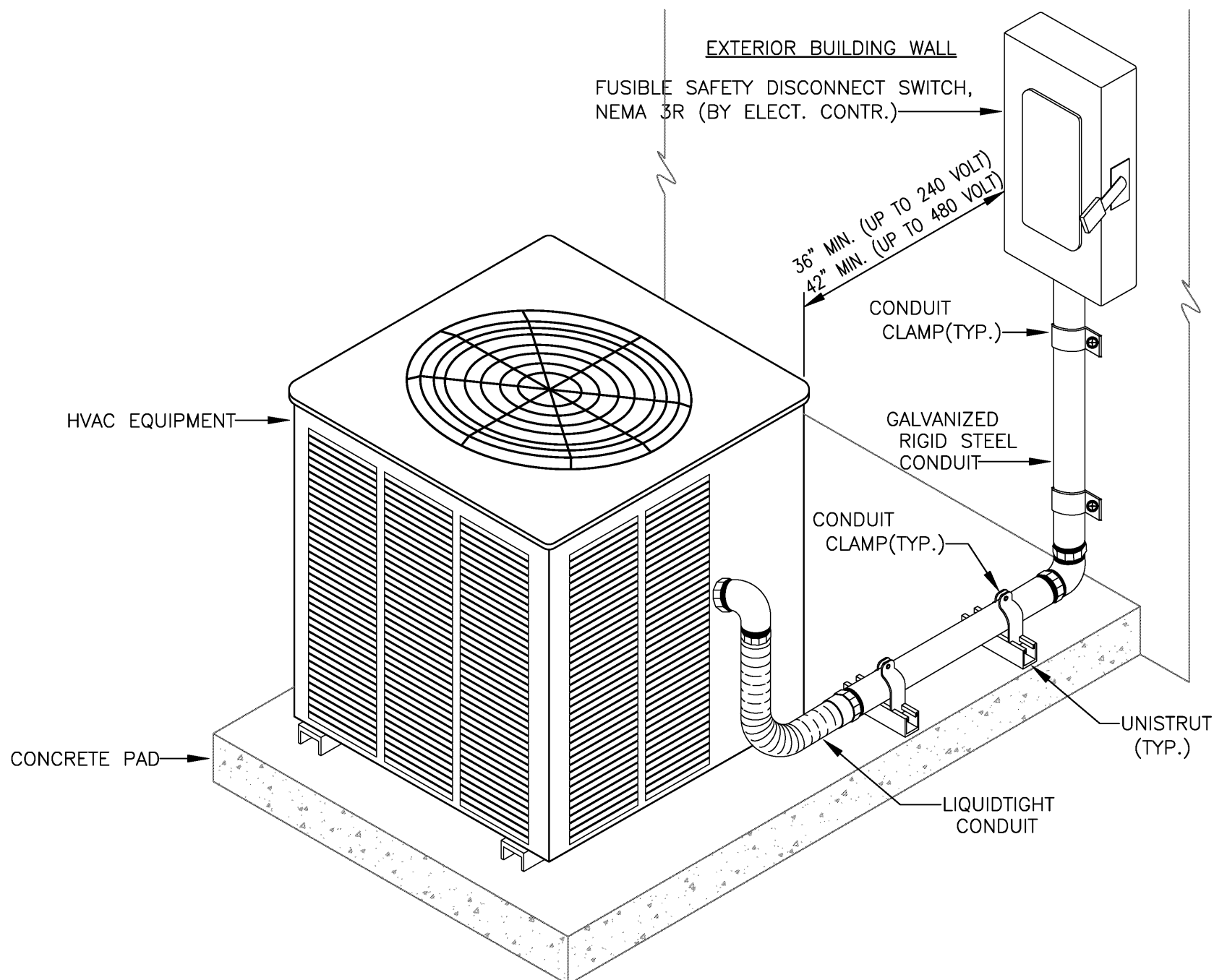
3-RECEPTACLE INSTALLATION DETAIL
SCALE: NOT TO SCALE



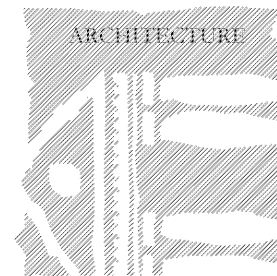
4- FLUSH MOUNT OUTLET MOUNTING DETAIL
SCALE: NOT TO SCALE



5 - FLUSH MOUNT PHOTOELECTRIC SWITCH MOUNTING DETAIL
SCALE: NOT TO SCALE



6 - REFRIGERATION EQUIPMENT DISCONNECT SWITCH CLEARANCE DETAIL
SCALE: NOT TO SCALE



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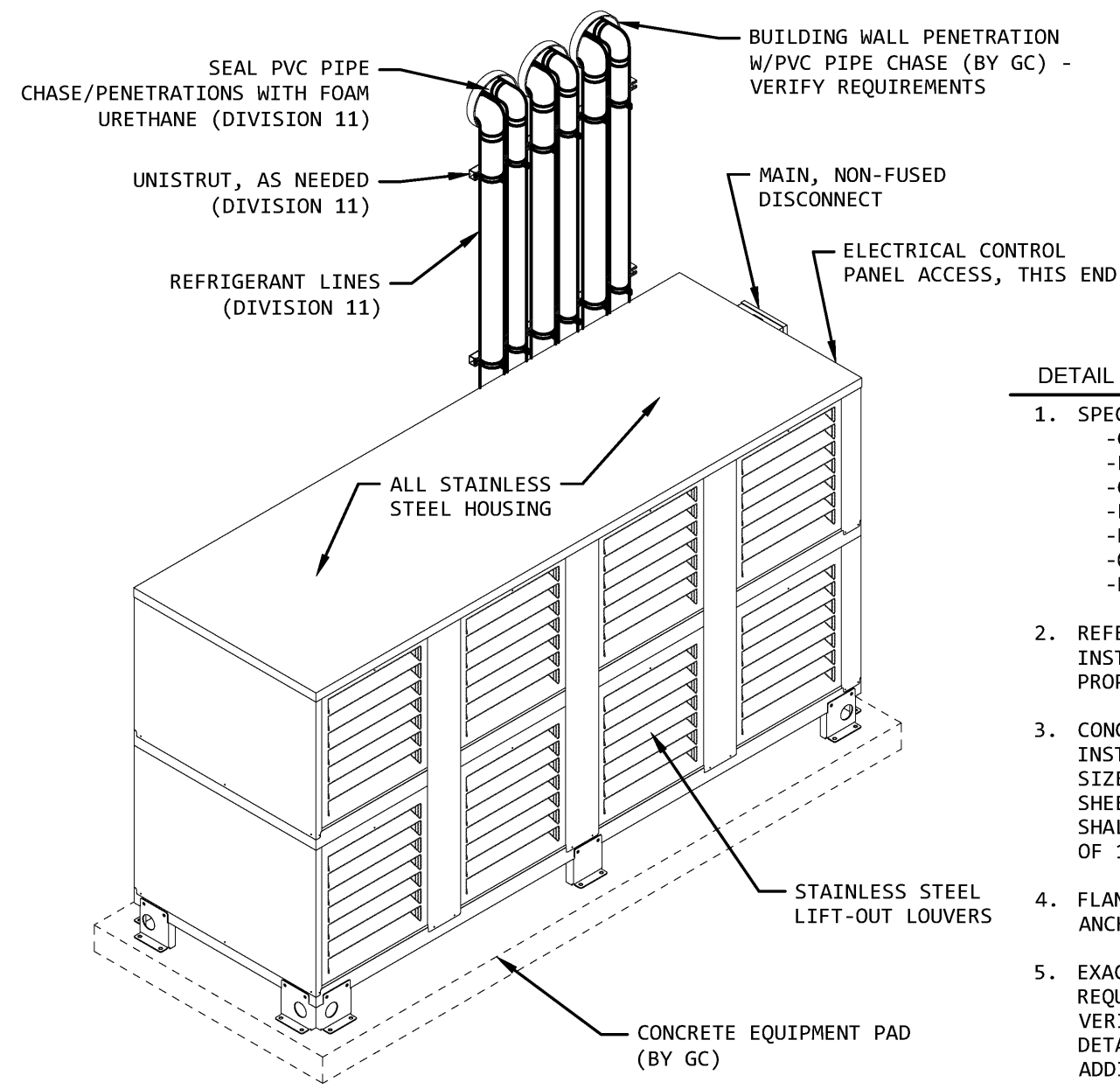
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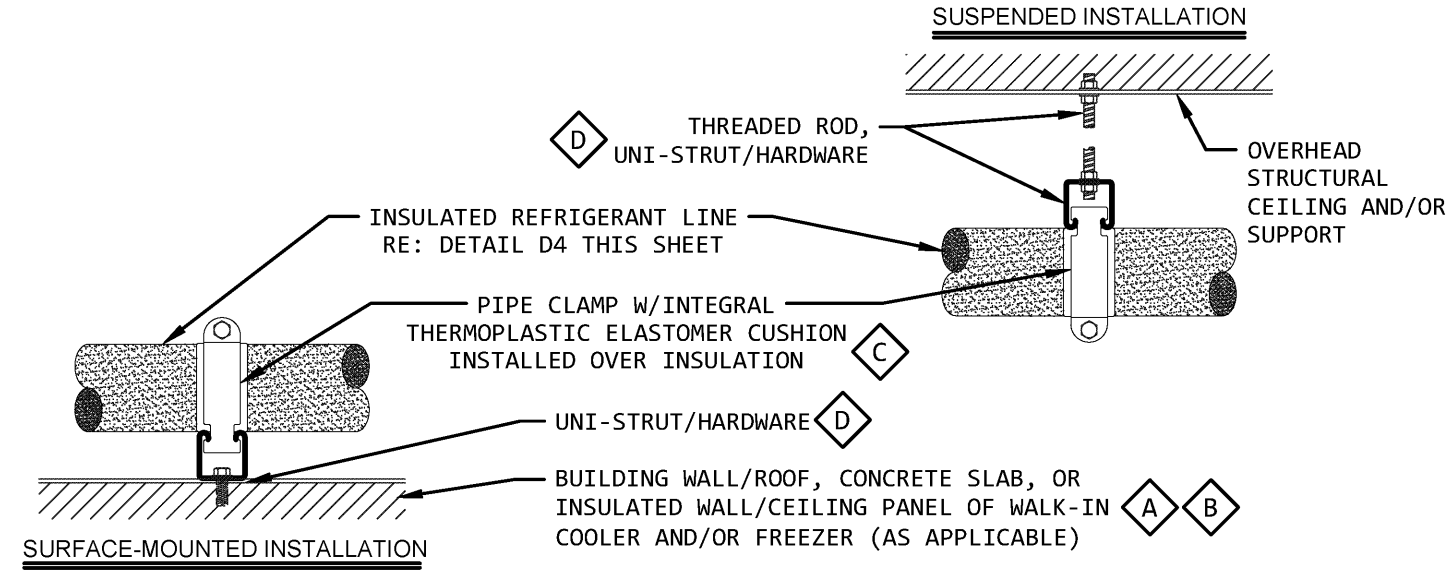
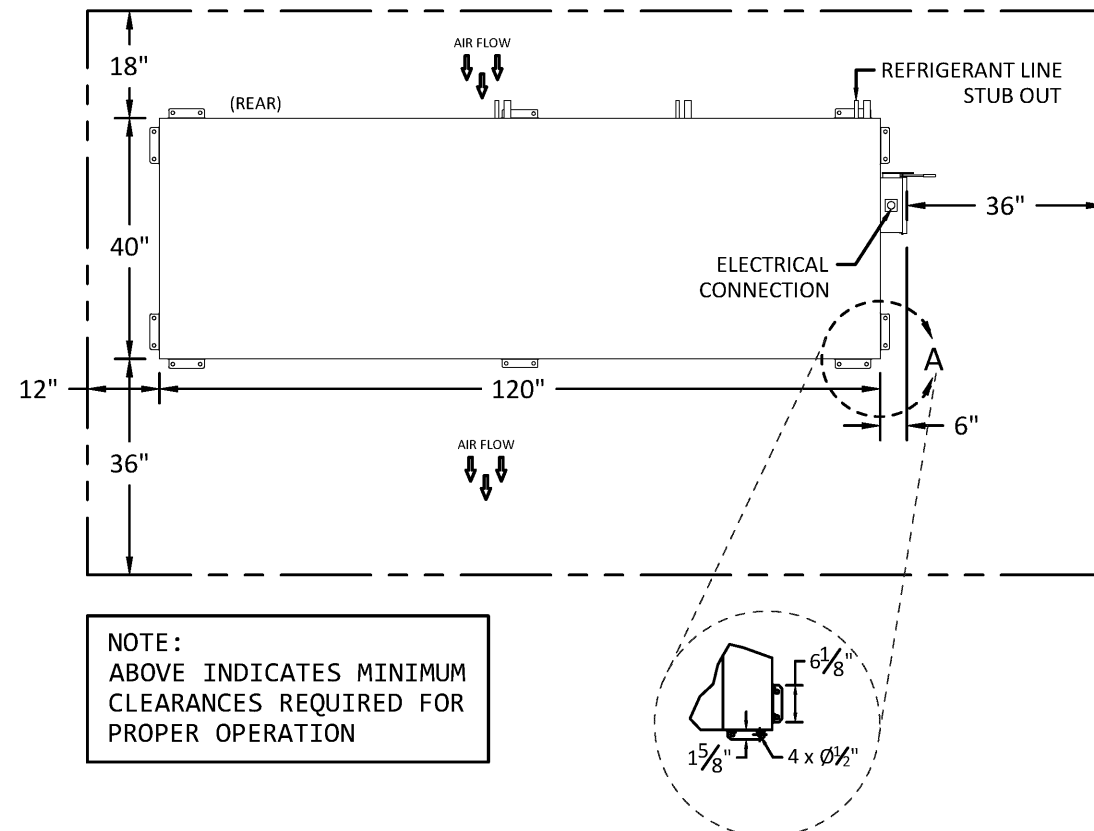


Sheet No. **E-1.2**
Of



DETAIL GENERAL NOTES

- SPECIFIED REFRIGERATION SYSTEM SHALL INCLUDE:
 - CRANKCASE HEATERS
 - FAN CYCLING SWITCH
 - COATED CONDENSERS
 - EPOXY COATED ROTO-LOCK VALVE
 - POWDER COATED FRAME
 - OIL SEPARATORS
 - PHASE LOSS MONITORING
- REFER TO DETAIL D2/FS1.0 FOR MINIMUM INSTALLATION CLEARANCE REQUIREMENTS FOR PROPER OPERATION.
- CONCRETE EQUIPMENT PAD FURNISHED AND INSTALLED BY GENERAL CONTRACTOR AND SHALL BE SIZED AND LOCATED PER DIMENSIONS INDICATED ON SHEET FS2.2. CONCRETE EQUIPMENT PAD PROVIDED SHALL ACCOMMODATE REFRIGERATION RACK WEIGHT OF 1,700 LBS.
- FLANGED FEET OF REFRIGERATION RACK SHALL BE ANCHORED TO CONCRETE PAD BY DIVISION 11.
- EXACT SIZE AND QUANTITY OF REFRIGERANT LINES REQUIRED ARE PROJECT SPECIFIC AND SHALL BE VERIFIED WITH FURNISHED EQUIPMENT. REFER TO DETAILS D2, D3, AND D4 ON THIS SHEET FOR ADDITIONAL INSTALLATION REQUIREMENTS.



DETAIL KEYNOTES

- MOUNTING TO INSULATED CEILING PANELS NOT ALLOWED FOR OUTDOOR COOLER/FREEZER INSTALLATIONS AND SHALL BE AVOIDED WHENEVER POSSIBLE FOR INDOOR INSTALLATIONS. WHEN MOUNTING TO INSULATED WALL OR CEILING PANELS, HARDWARE SHALL NOT PENETRATE MORE THAN HALF WAY THROUGH PANEL DEPTH. PENETRATIONS SHALL BE FILLED AND SEALED WITH USDA GRADE SILICONE TO PREVENT MOISTURE INTRUSION.
- BUILDING ROOF PENETRATIONS SHALL BE FILLED AND SEALED UTILIZING BEST INDUSTRY PRACTICES AND IN ACCORDANCE WITH LOCAL BUILDING CODES.
- STANDARD PIPE CLAMPS MAY BE UTILIZED ON OUTDOOR ALUMINUM-JACKETED AND INSULATED REFRIGERANT LINES.
- HARDWARE (NUTS, BOLTS) SHOWN FOR REFERENCE ONLY. FURNISH AND INSTALL NECESSARY STAINLESS STEEL HARDWARE IN A WORKMANLIKE MANNER AND IN COMPLIANCE WITH LOCAL BUILDING CODES TO MEET PROJECT REQUIREMENTS.

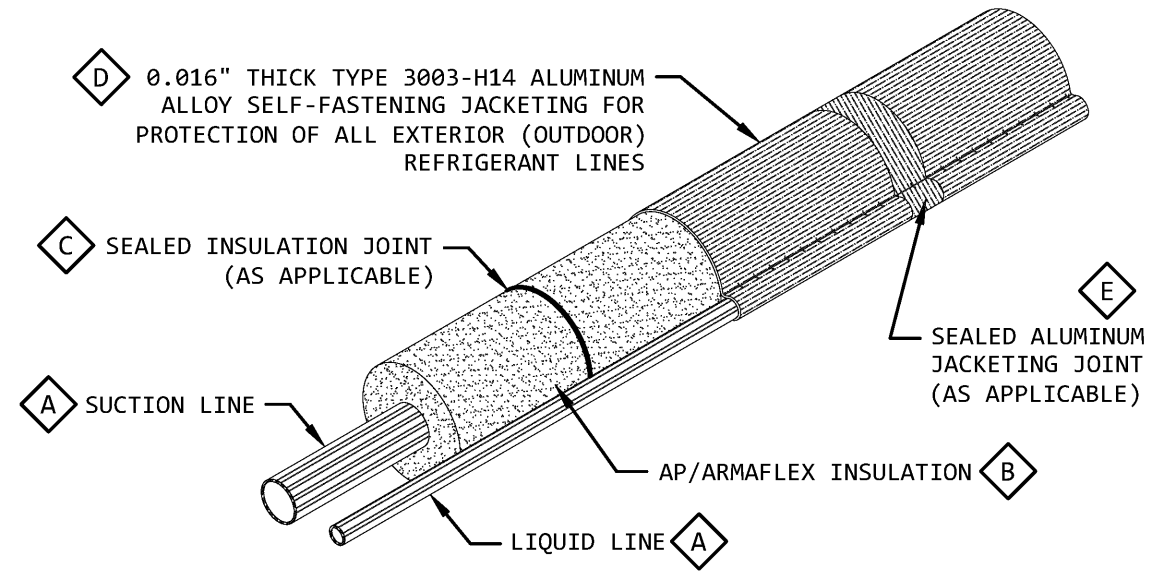


DIAGRAM KEYNOTES

- ALL REFRIGERANT LINES SHALL BE RIGID REFRIGERANT GRADE TYPE "L" COPPER.
- ALL REFRIGERANT LINES SUBJECT TO SWEATING SHALL BE FULLY INSULATED WITH AP/ARMAFLEX AS FOLLOWS:
 - 1" (MINIMUM) FOR FREEZER LINES; 2" FOR POORLY-VENTILATED AREAS.
- ALL JOINTS SHALL BE SEALED WITH GLUE IN ACCORDANCE WITH INSULATION MANUFACTURER'S RECOMMENDATIONS. DUCT TAPE AT JOINTS IS NOT ACCEPTABLE.
- FURNISH AND INSTALL MATCHING ALUMINUM JACKETING ELBOW COVERS AT ALL EXTERIOR (OUTDOOR) REFRIGERANT PIPING ANGLES AND BENDS.
- FURNISH AND INSTALL MATCHING ALUMINUM JACKETING STRAPPING AND SEALS AT ALL JOINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

D1 ISOMETRIC DETAIL - COOLER/FREEZER REFRIGERANT LINES
REF: FS1.1

SCALE: NONE

D2 CLEARANCE REQUIREMENTS - REMOTE REFRIGERATION SYSTEM
REF: FS1.1

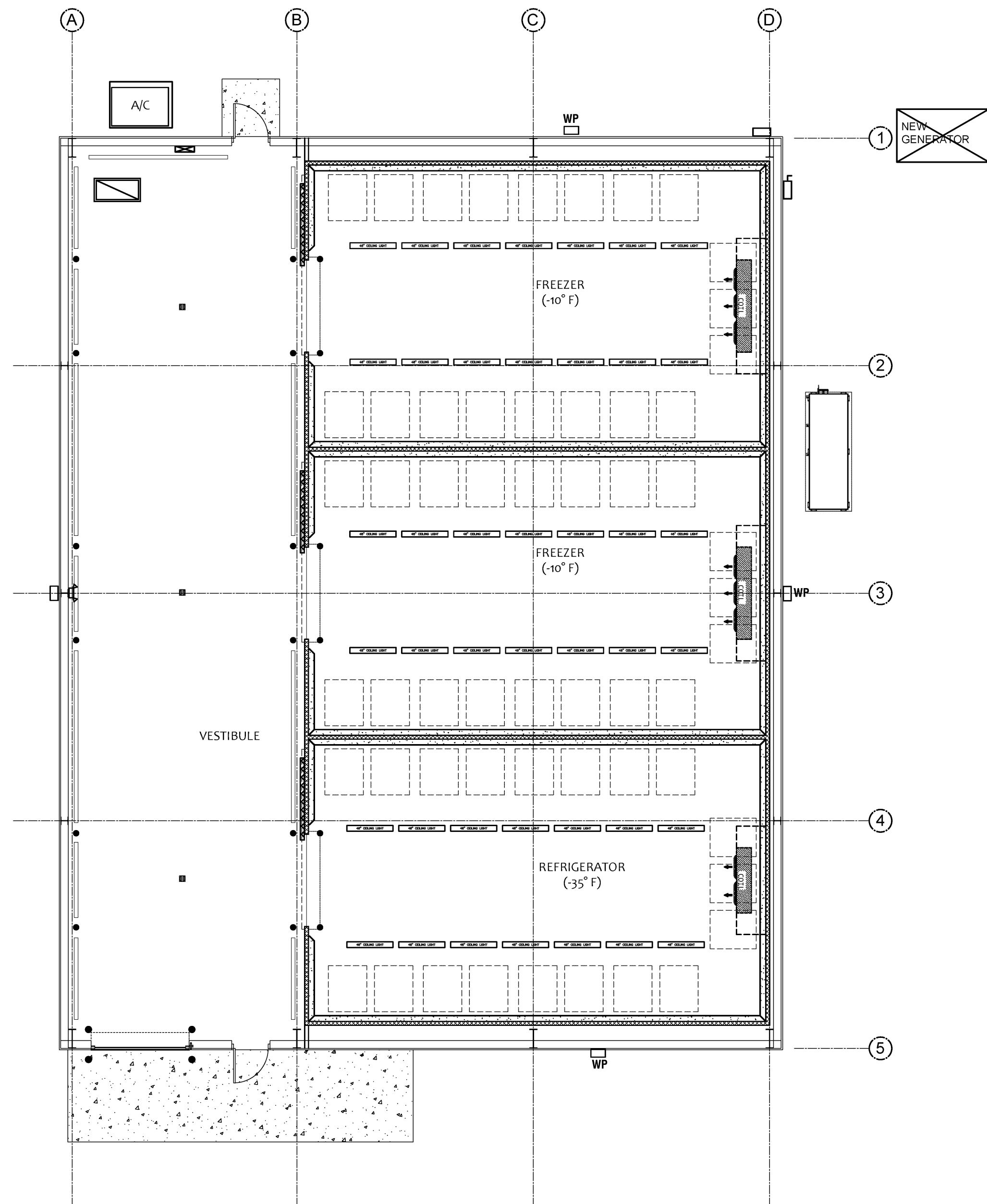
SCALE: NONE

D3 ISOMETRIC DETAIL - COOLER/FREEZER REFRIGERANT LINES SUPPORT
REF: FS1.1

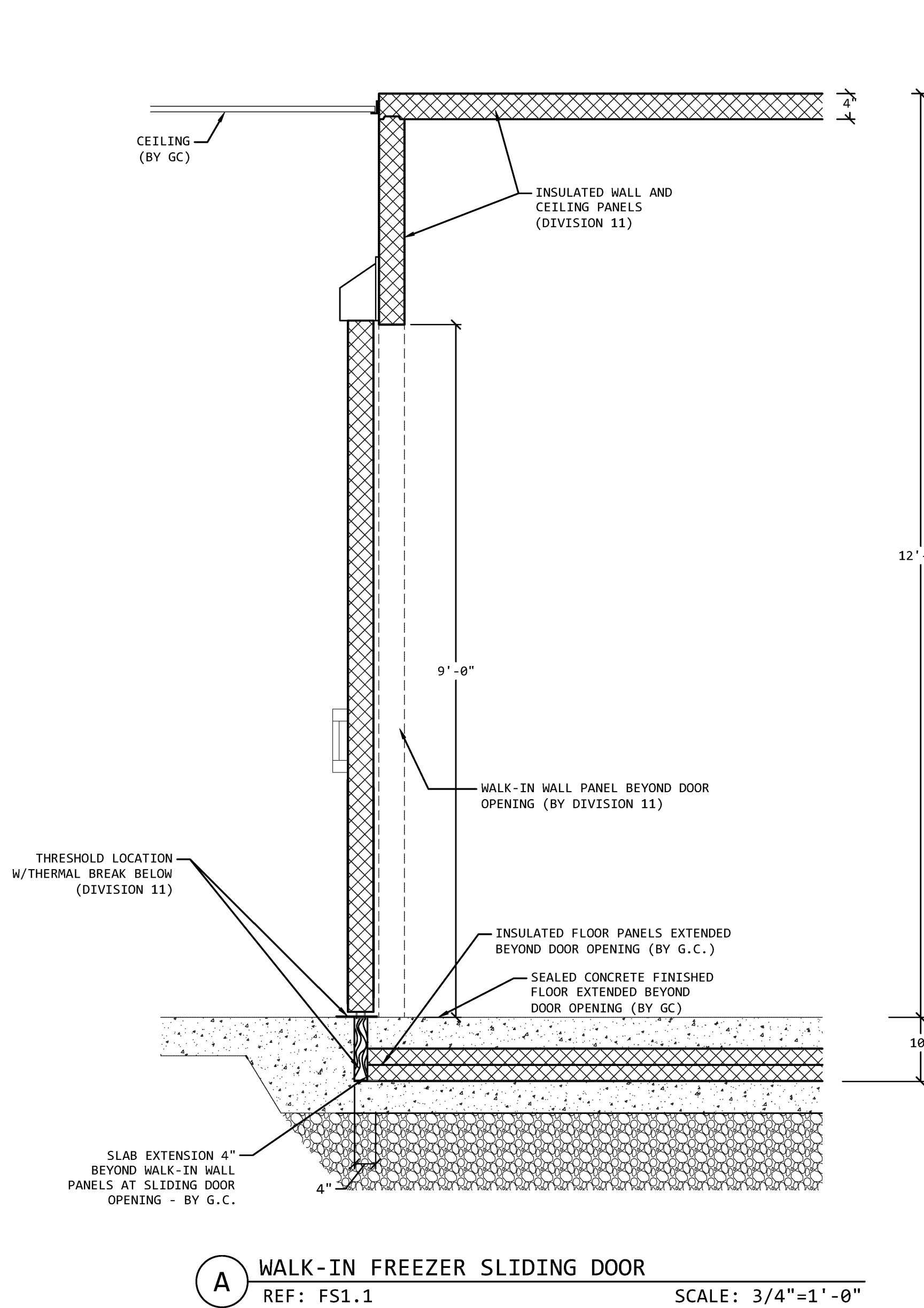
SCALE: NONE

D4 ISOMETRIC DETAIL - COOLER/FREEZER REFRIGERANT LINES
REF: FS1.1

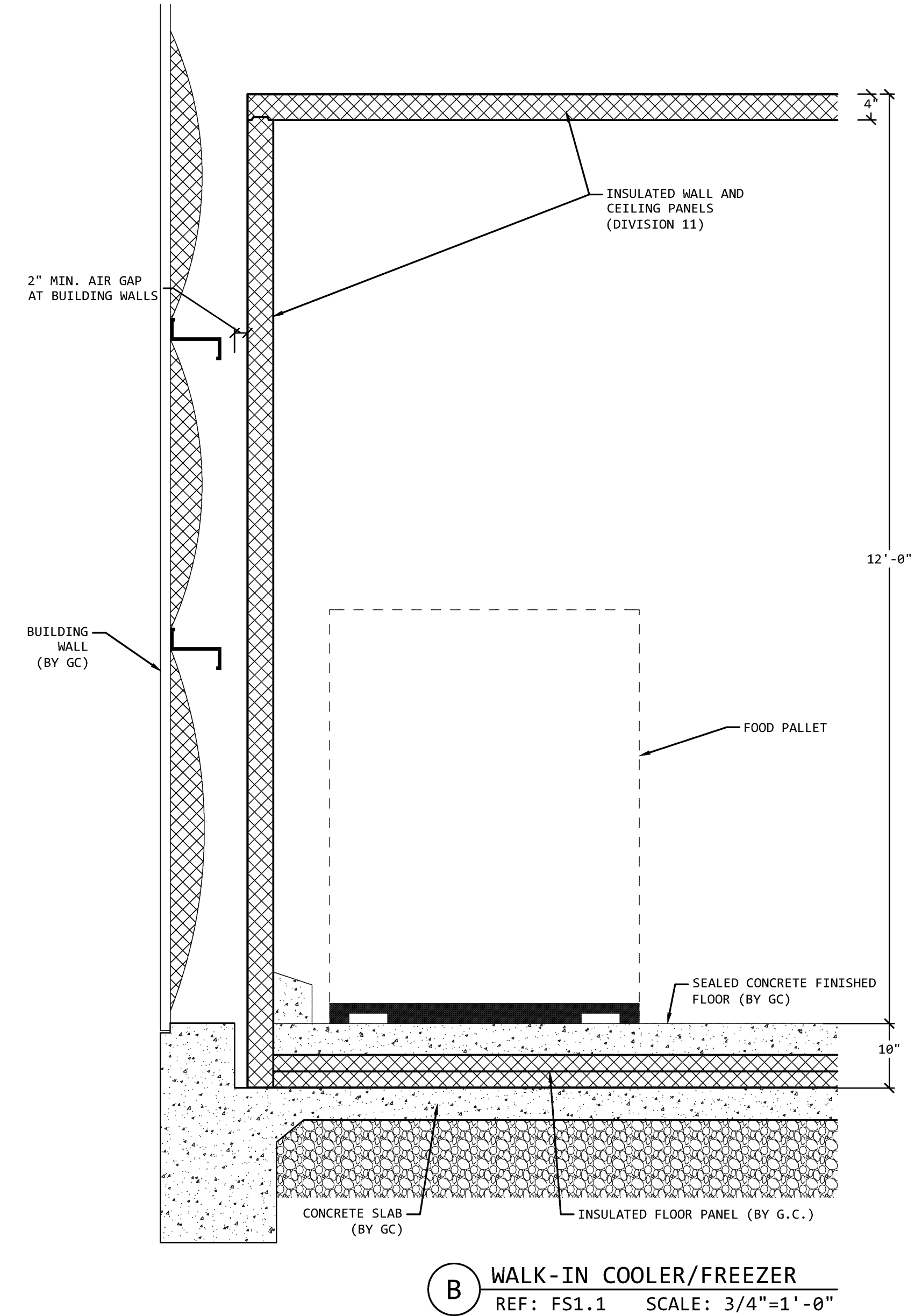
SCALE: NONE



FSI.0 OVERALL - FOOD SERVICE EQUIPMENT FLOOR PLAN
1/8" = 1'-0"



A WALK-IN FREEZER SLIDING DOOR
REF: FS1.1 SCALE: 3/4"=1'-0"



B WALK-IN COOLER/FREEZER
REF: FS1.1 SCALE: 3/4"=1'-0"

REFER TO SHEET FS1.1 FOR
EQUIPMENT SCHEDULE

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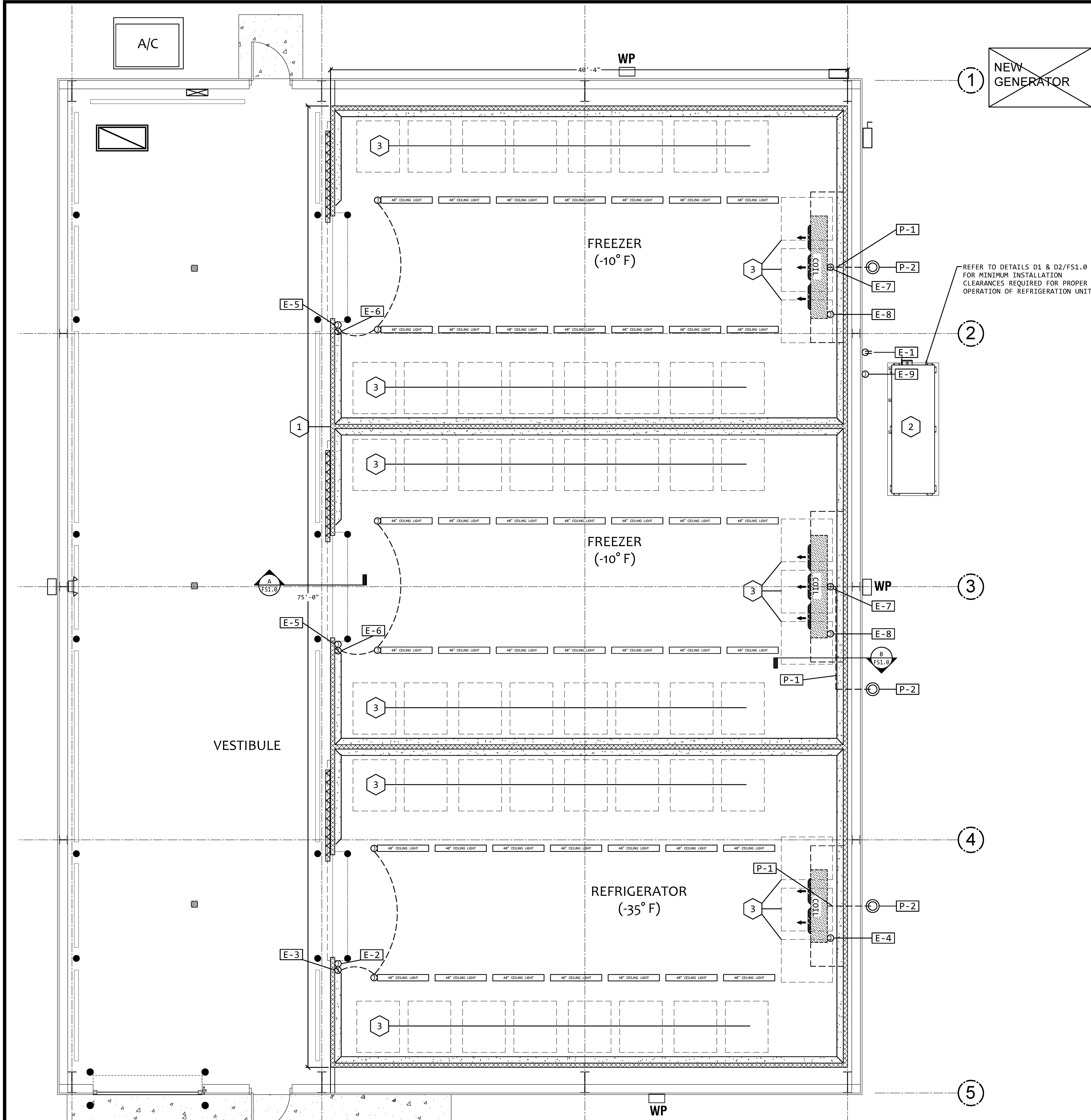
Scale Note: Scale shown on sheets are accurate for 24x36 prints. Scale is halved for 18x24 prints.

Job No: 6-15-22
Date: 6-15-22
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BIDDING AND CONTRACT PHASE

New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections
St. Gabriel, LA
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004

Sheet No: FS1.0
Of



ENLARGED - FOOD SERVICE EQUIPMENT FLOOR PLAN
1/4" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE			
ITEM NO.	QTY.	DESCRIPTION	EQUIP. CLASS.
1.	1	WALK-IN COOLER/FREEZER	A
2.	1	WALK-IN COOLER/FREEZER REMOTE REFRIGERATION SYSTEM	A
3.	57	STORAGE PALLET RACKS	B
EQUIPMENT CLASSIFICATION:			
A. DIVISION 11 (FOOD SERVICE EQUIPMENT)			
B. FOOD SERVICE EQUIPMENT - OWNER FURNISHED, OWNER INSTALLED			

ELECTRICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
E-1	--	120V CO, 24" AFF	
E-2	1	10A 120V DFA FOR DOOR FRAME HEATER, PRESSURE RELIEF PORT HEATER, AND TEMPERATURE ALARM SYSTEM OF WALK-IN COOLER ROOM	6-9
E-3	1	6A 120V DFA FOR LED CEILING LIGHTS INSIDE WALK-IN COOLER ROOM	6-9
E-4	2	7A 120V 1-PH DFA FOR EVAPORATOR COIL OF WALK-IN COOLER ROOM	6,7,8,10
E-5	1	10A 120V DFA FOR DOOR FRAME HEATER, PRESSURE RELIEF PORT HEATER, AND TEMPERATURE ALARM SYSTEM OF EACH WALK-IN FREEZER ROOM	6-9
E-6	1	6A 120V DFA FOR LED CEILING LIGHTS INSIDE EACH WALK-IN FREEZER ROOM	6-9
E-7	2	2A 120V DFA FOR EACH CONDENSATE DRAIN LINE HEATER OF EACH WALK-IN FREEZER ROOM	6-8
E-8	2	23.2A 208V 3-PH DFA FOR EVAPORATOR COIL OF EACH WALK-IN FREEZER ROOM	6,7,8,10
E-9	2	60A 480V 3-PH CIRCUIT (50.3 MCA) 36" ABOVE CONCRETE PAD FOR WALK-IN COOLER/FREEZER REMOTE CONDENSING UNIT	11

- ELECTRICAL ROUGH-IN DATA NOTES
- ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
 - WHERE POSSIBLE, ALL ELECTRICAL CONDUIT/WIRING SHALL BE EXTENDED UP THROUGH AND OUT OF BUILDING WALLS.
 - EXTEND AND CONNECT WIRING FROM JUNCTION BOXES TO CONNECTION POINTS ON FOOD SERVICE EQUIPMENT - DIVISION 26..
 - WALL-MOUNTED JUNCTION BOXES SHALL BE RECESSED IN BUILDING WALL SO THAT EQUIPMENT CAN BE INSTALLED AGAINST WALLS.
 - FURNISH AND INSTALL ALL NECESSARY LINE DISCONNECT SWITCHES, UNLESS SPECIFIED OTHERWISE - DIVISION 26.
 - FURNISH AND INSTALL CONDUIT, JUNCTION BOXES, AND FIELD WIRING FOR COILS, CEILING-MOUNTED LIGHT FIXTURES, PRESSURE RELIEF PORTS, AND FREEZER DRAIN LINE HEATERS OF WALK-IN COOLERS/AND FREEZERS - DIVISION 26.
 - ELECTRICAL CONDUIT WITHIN WALK-IN SHALL BE FILLED (INSIDE CONDUIT) WITH FOAM URETHANE TO PREVENT CONDENSATION - DIVISION 26.
 - PENETRATIONS OF WALK-IN CEILING/WALL PANELS SHALL BE SEALED WITH USDA-APPROVED SEALANT.
 - FURNISH AND INSTALL 18 GAUGE WIRING AND TEMPERATURE SENSORS OF TEMPERATURE ALARM SYSTEMS IN ACCORDANCE WITH SPECIFICATIONS - DIVISION 11. REFER TO TEMPERATURE ALARM SYSTEM WIRING DIAGRAM D11, SHEET FS2.2.
 - WALK-IN FREEZER EVAPORATOR COIL SPECIFIED INCLUDES PRE-WIRED ON-DEMAND DEFROST CONTROLLER.
 - FURNISH AND INSTALL PRE-WIRED UL-LISTED CIRCUIT BREAKERS AND LINE DISCONNECT SWITCH - DIVISION 26.

PLUMBING ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
P-1	1	3/4" TYPE "L" COPPER CONDENSATE DRAIN LINE FROM EVAPORATOR COILS WITHIN WALK-IN COOLER AND FREEZER ROOMS TO DRY WELL LOCATED OUTSIDE OF BUILDING	2,3
P-2	1	DRY WELL (BY FSEC) FOR EVAPORATOR COIL DRAIN LINES OF WALK-IN COOLER/FREEZER	


- PLUMBING ROUGH-IN DATA NOTES
- ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
 - SLOPE CONDENSATE DRAIN LINES GENEROUSLY (1/2" PER LINEAL FOOT MINIMUM) FROM WALK-IN COOLER AND FREEZER COILS TO 6" ABOVE WALK-IN FLOOR AND EXTEND THROUGH WALK-IN PANELS AND BUILDING WALLS (WHERE APPLICABLE) TO DRY WELL. DRAIN LINE TRAP AND 2" AIR-GAP REQUIRED. REFER TO DETAILS D9 AND D10, SHEET FS2.1.
 - WALK-IN PANEL PENETRATIONS FOR REFRIGERANT PIPING AND DRAIN LINES SHALL BE SEALED WITH FOAM URETHANE.



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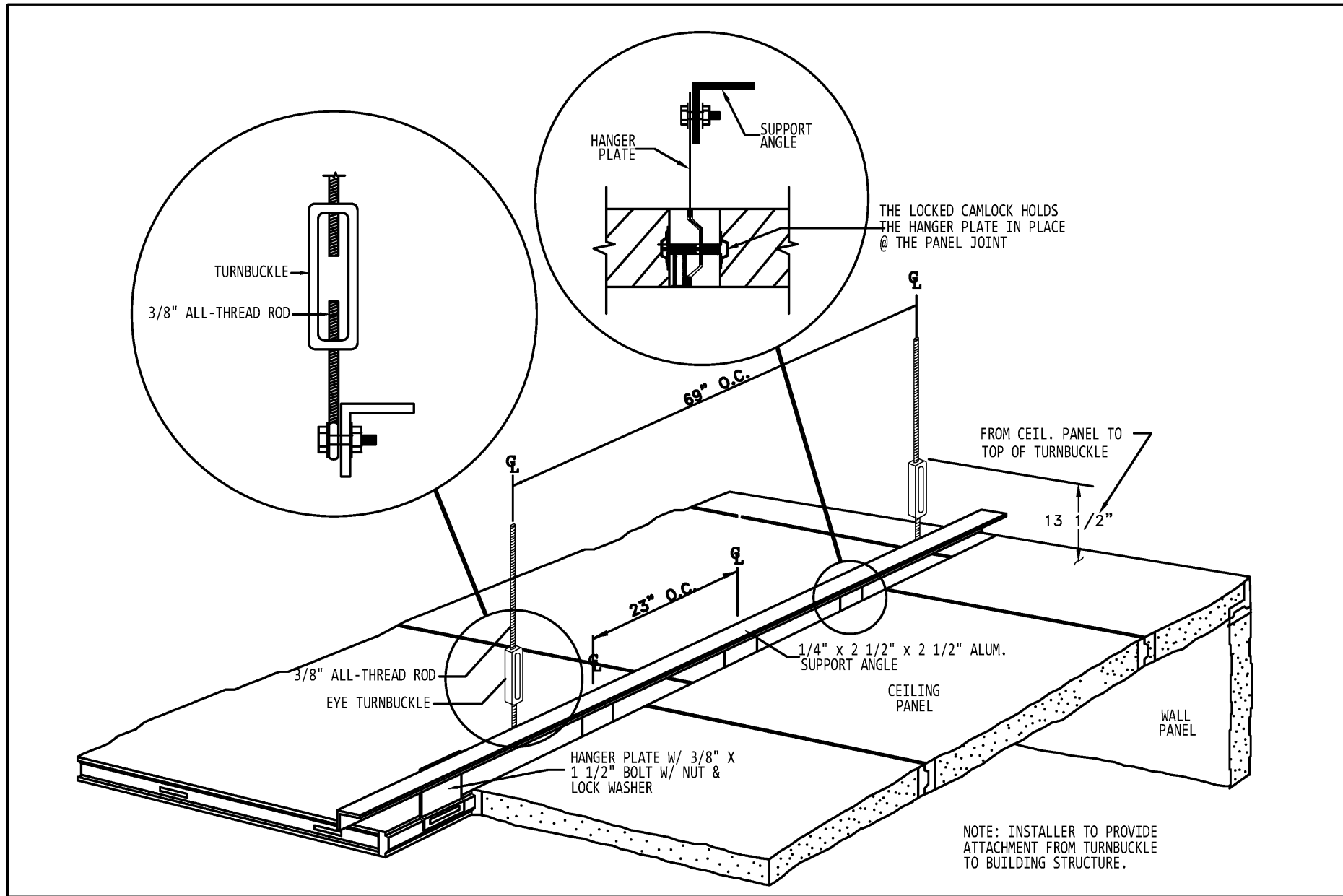
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A PROFESSIONAL ARCHITECTURAL COMPANY
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BATON ROUGE, LOUISIANA
(225) 930-6040 FAX (225) 930-6045

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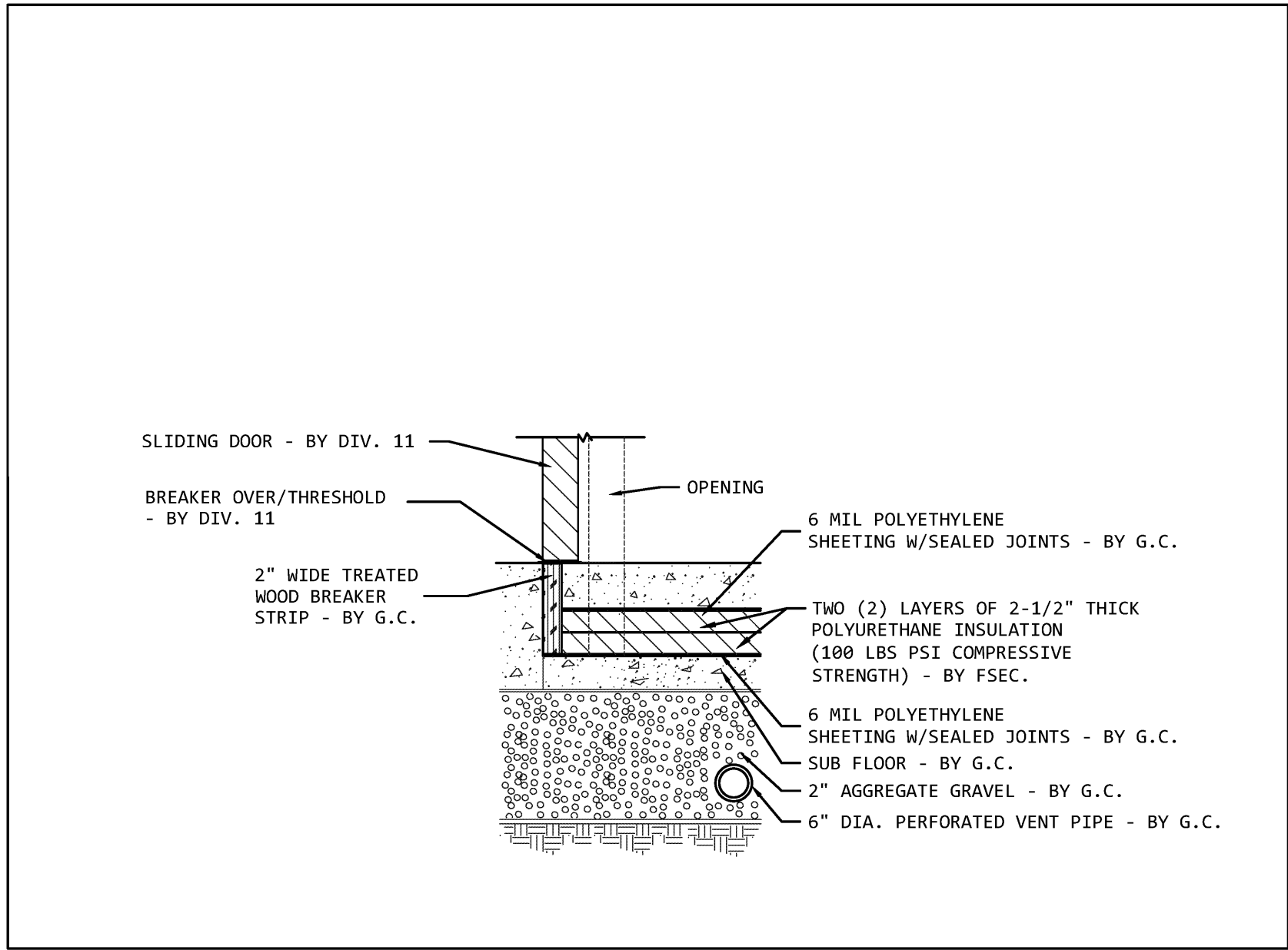
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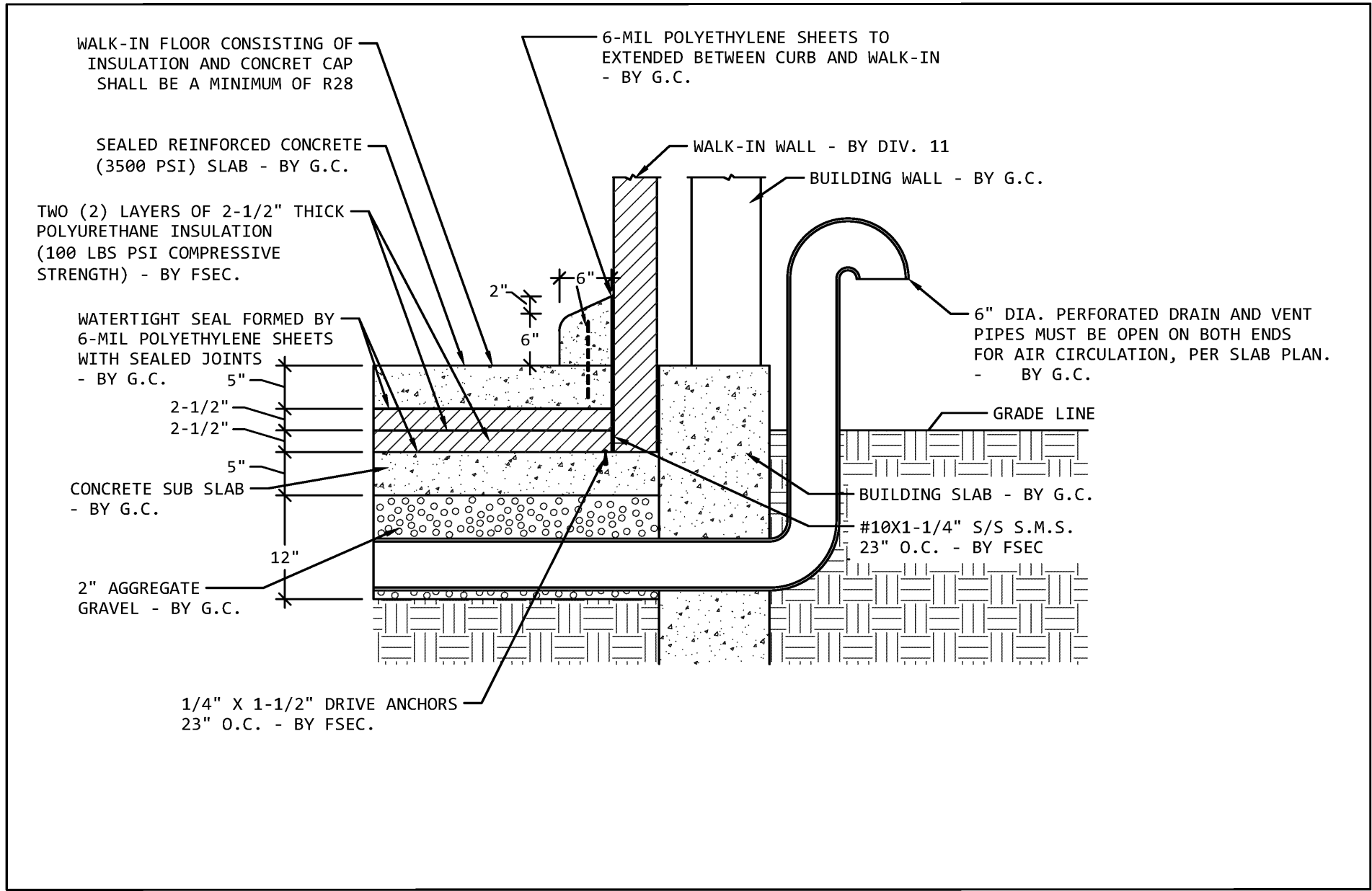
New Cold Storage Building
ELAYN HUNT CORRECTIONAL CENTER
Department of Corrections
St. Gabriel, LA.
P# 08-413-21-01, F.08000137 State ID: NEW Site Code: 2-24-004



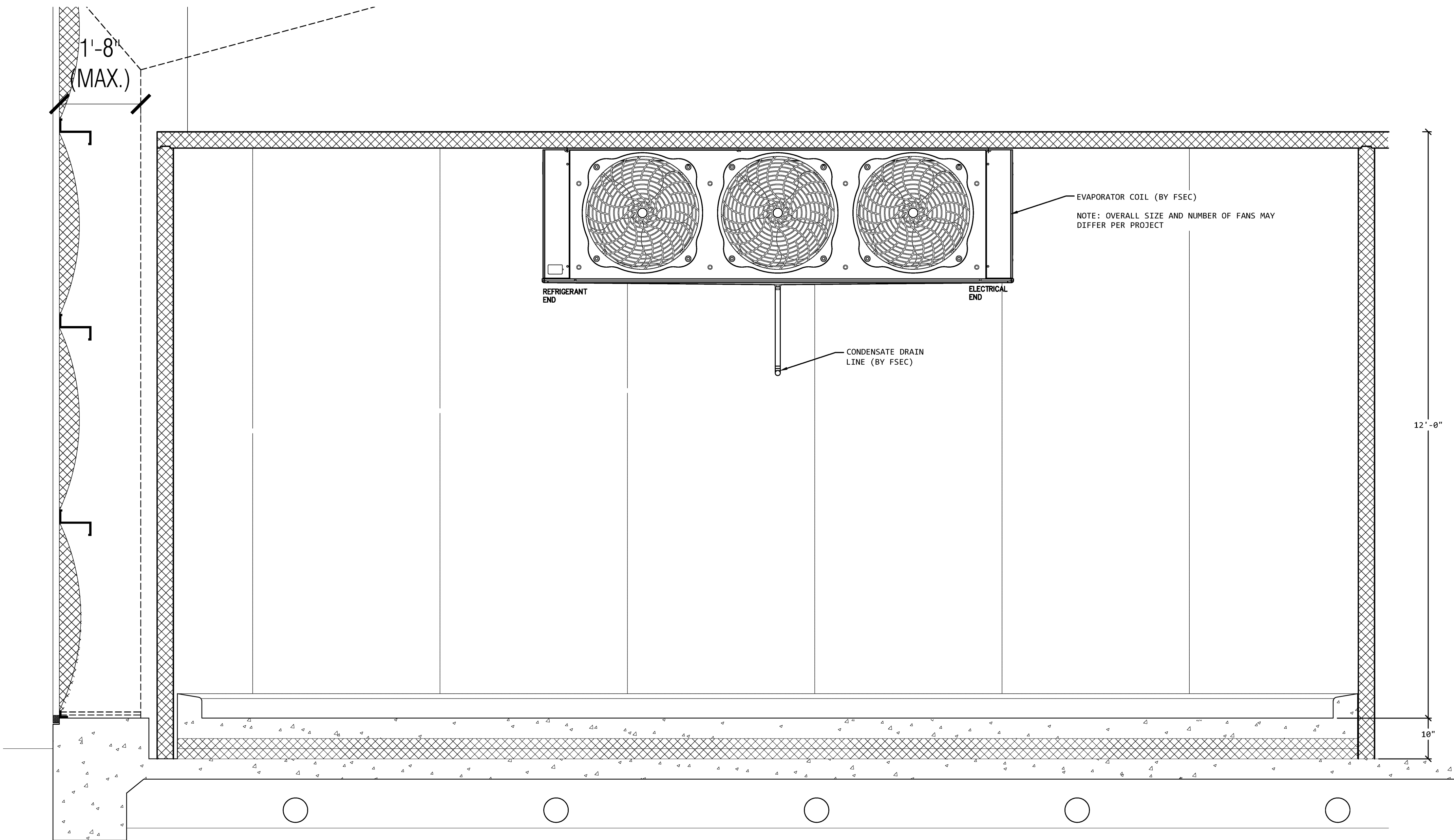
D5 WALK-IN COOLER/FREEZER HANGER PLATE SUPPORT DETAIL
REF: SCALE: NOT TO SCALE



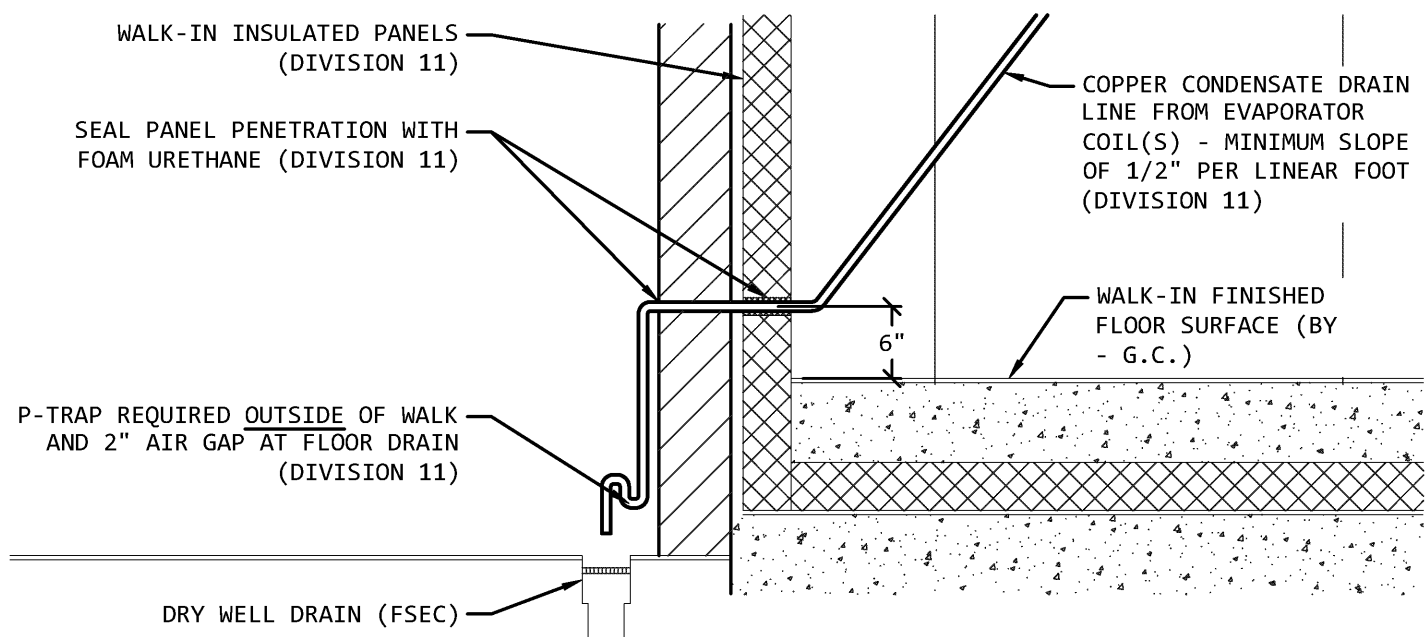
D6 WALK-IN COOLER & FREEZER @ THRESHOLD OF SLIDING DOOR DETAIL
REF: SCALE: NOT TO SCALE



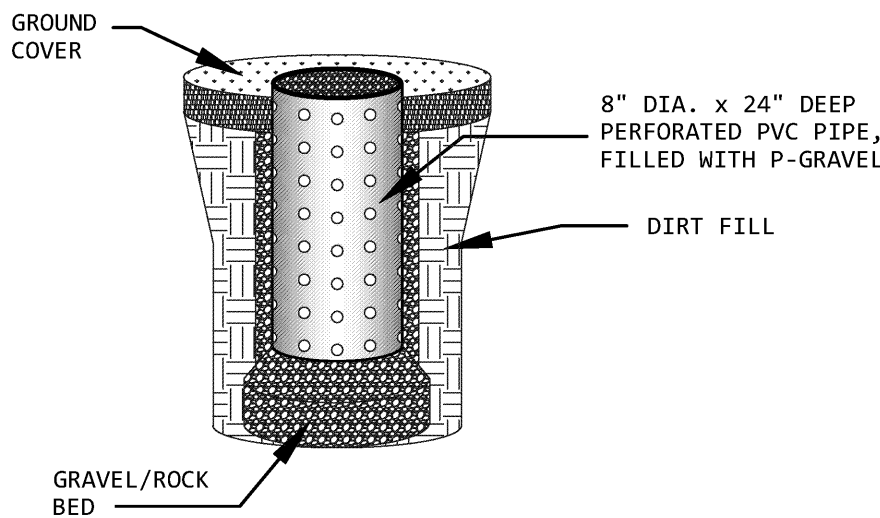
D7 WALK-IN FREEZER PERFORATED DRAIN AND VENT PIPE INSTALLATION DETAIL
REF: SCALE: NOT TO SCALE



D8 ELEVATION DETAIL - REAR INTERIOR WALL OF WALK-IN FREEZER AT EVAPORATOR COILS
REF: FS104 SCALE: 1/2"=1'-0"



D9 WALK-IN FREEZER CONDENSATE DRAIN LINE DIAGRAM
REF: FS2.1 SCALE: NOT TO SCALE



D10 CONDENSATE DRY WELL DETAIL (BY FSEC)
REF: FS1.1 SCALE: NOT TO SCALE



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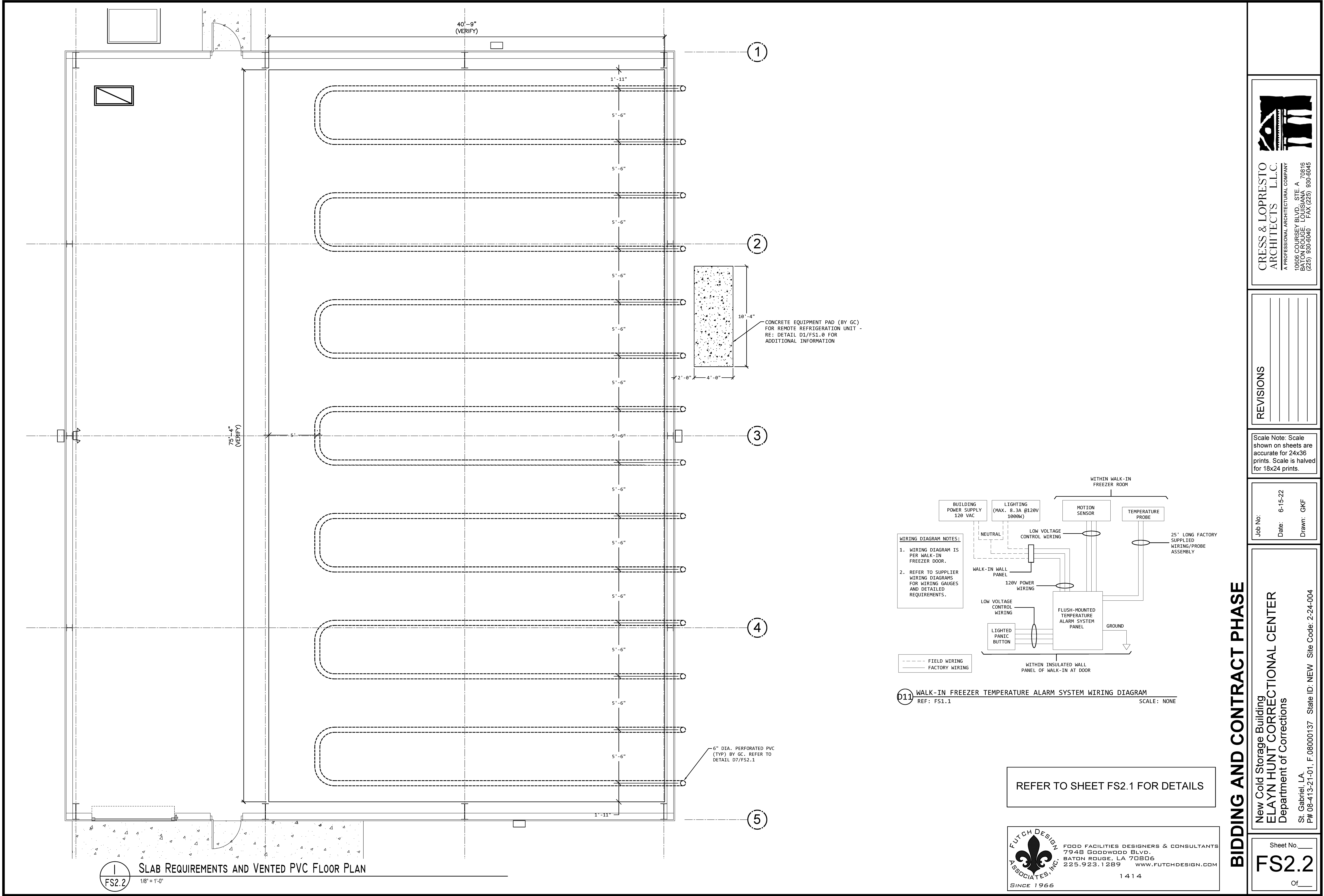
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BIDDING AND CONTRACT PHASE

New Cold Storage Building
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BATON ROUGE, LA 70806
225.923.1289 www.FUTCHDESIGN.COM
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REFER TO SHEET FS2.1 FOR DETAILS

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Department of Corrections

St. Gabriel, LA.
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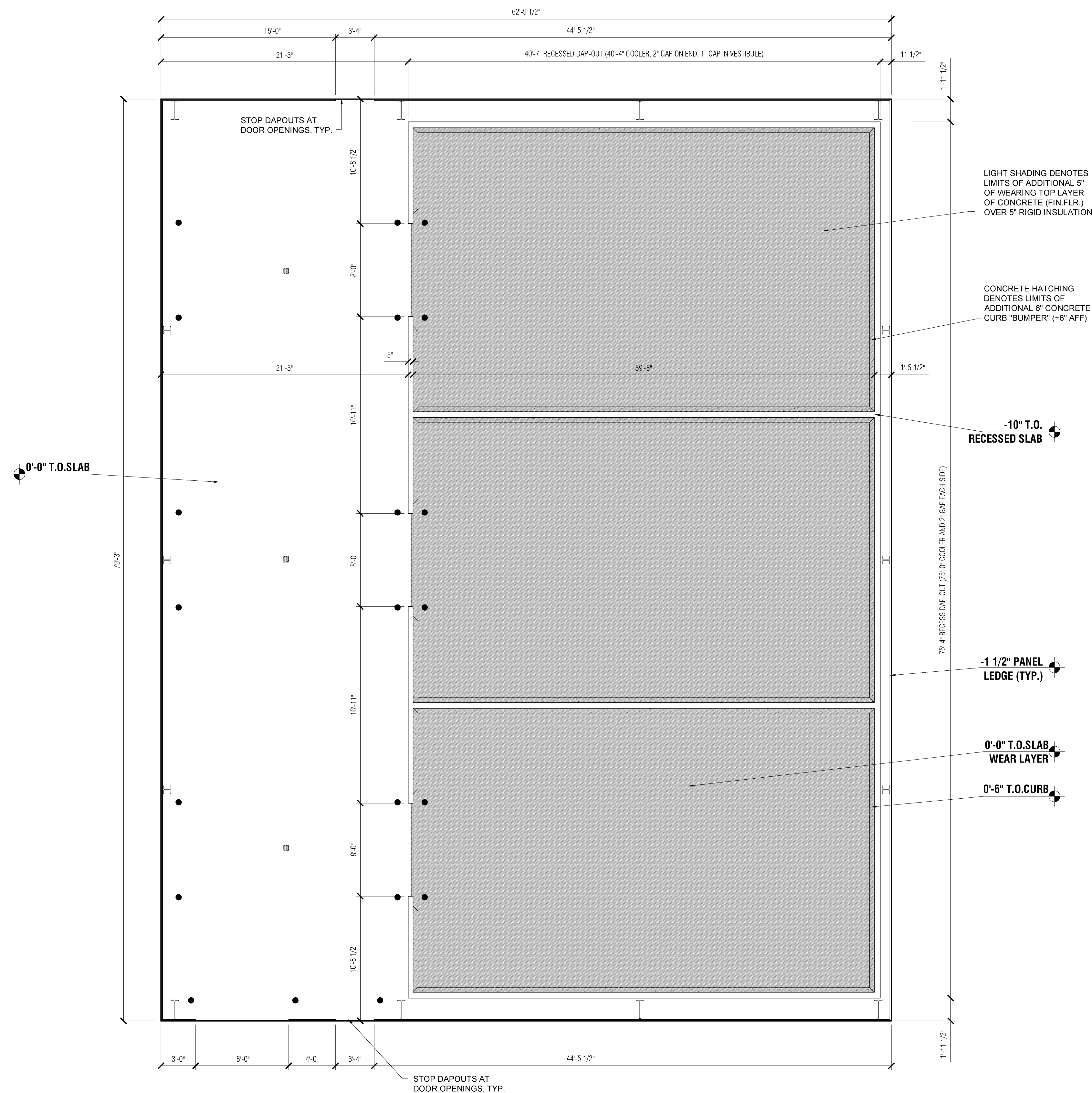
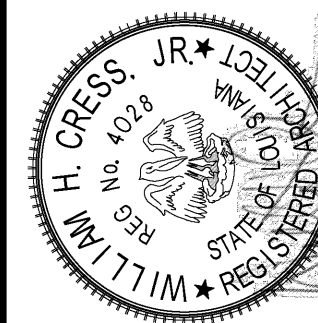
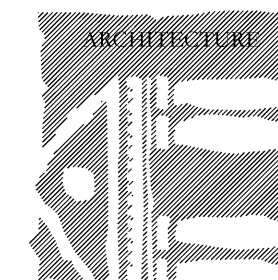
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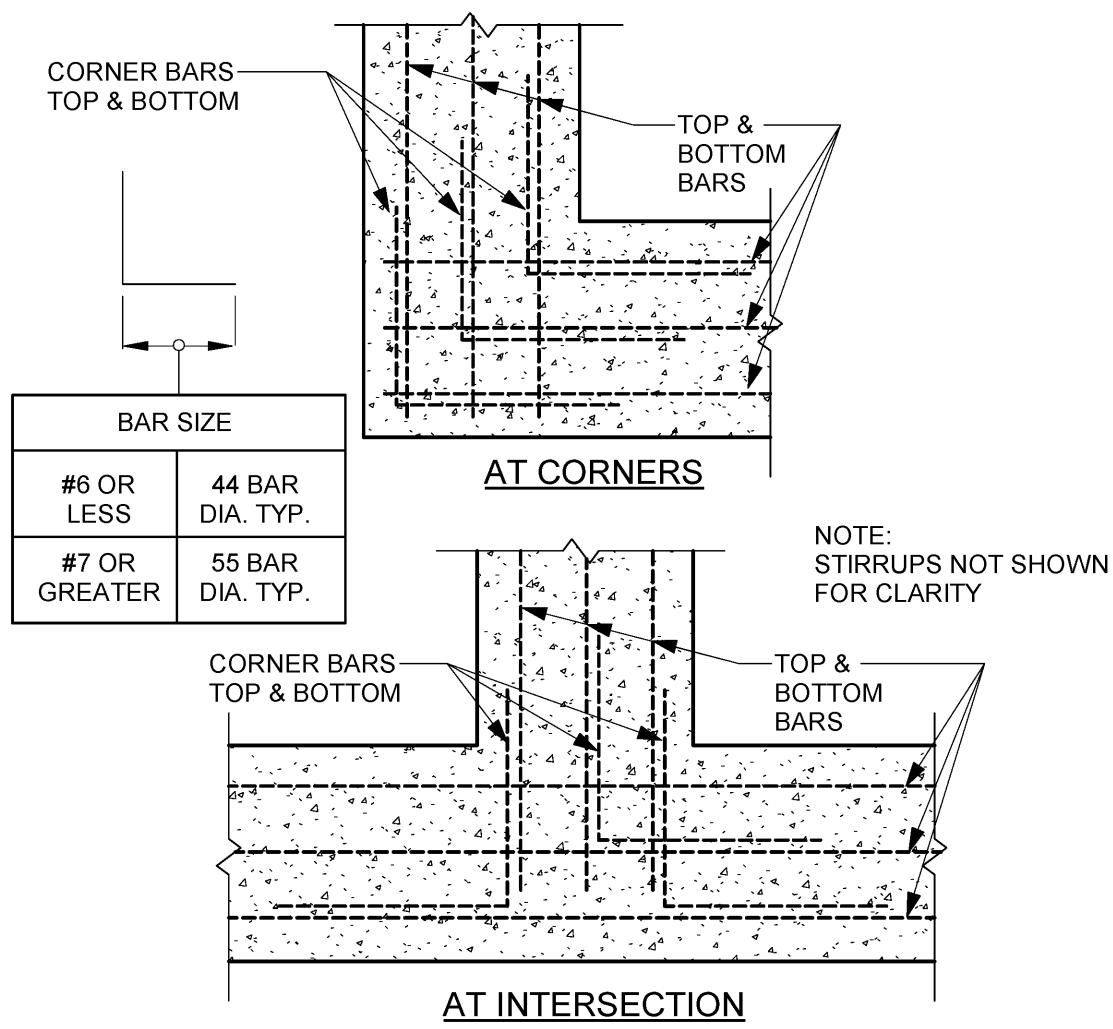
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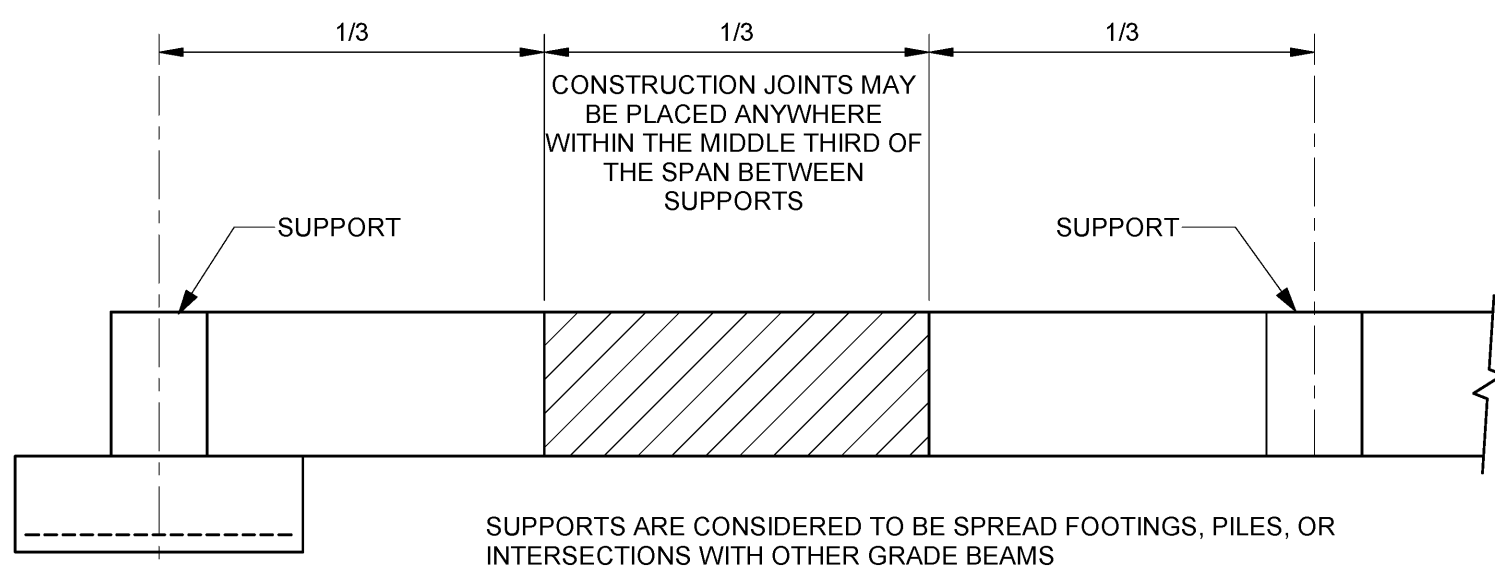
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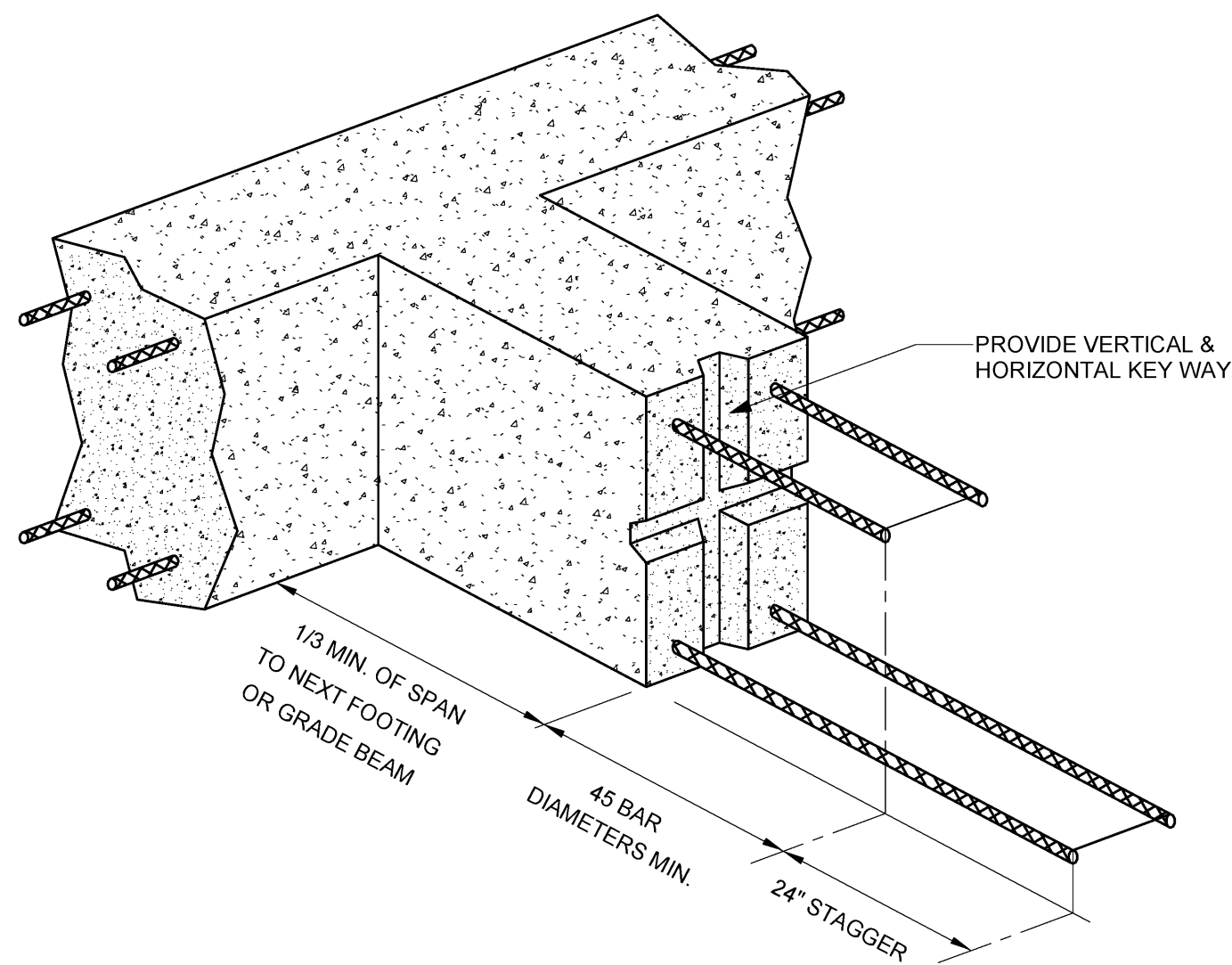
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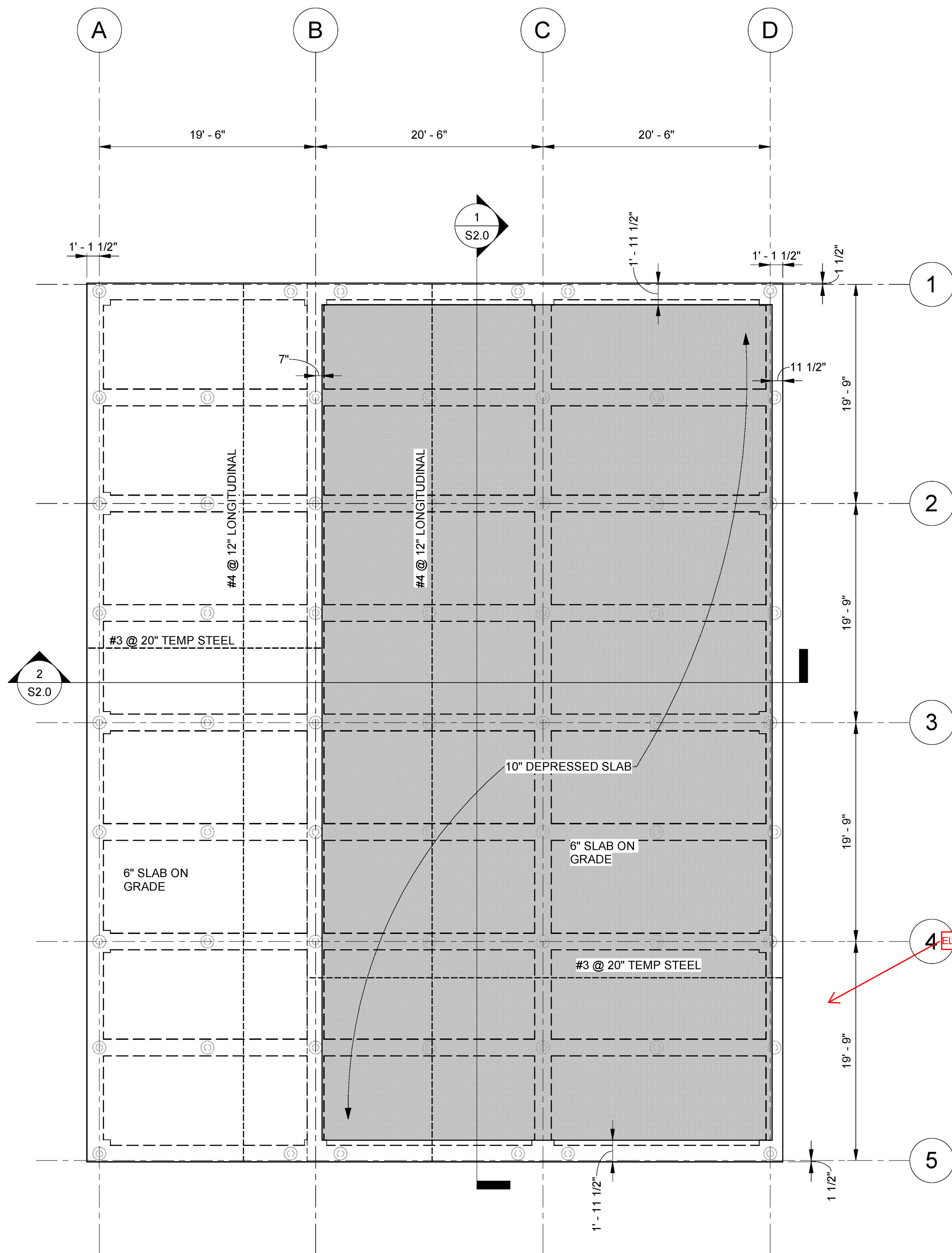
TYPICAL BEAM REINFORCING DETAIL



ELEVATION

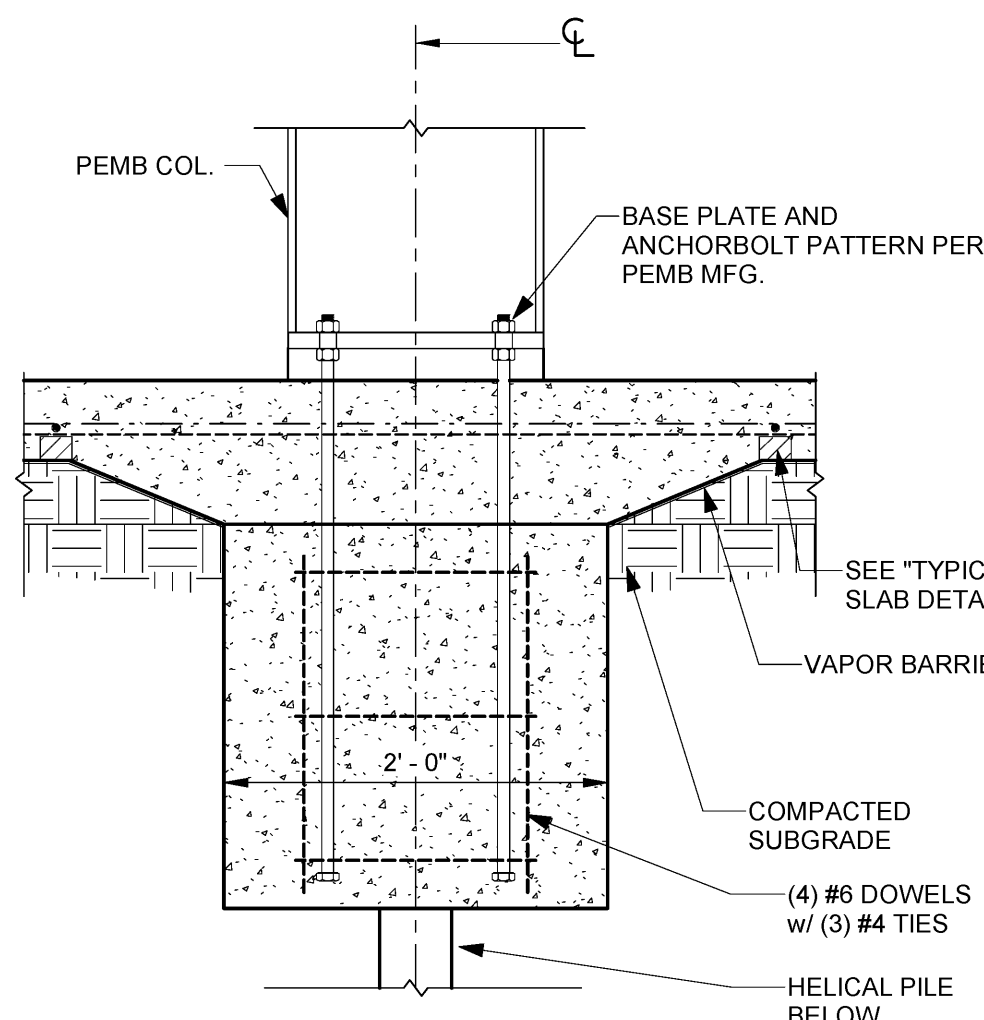


TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL

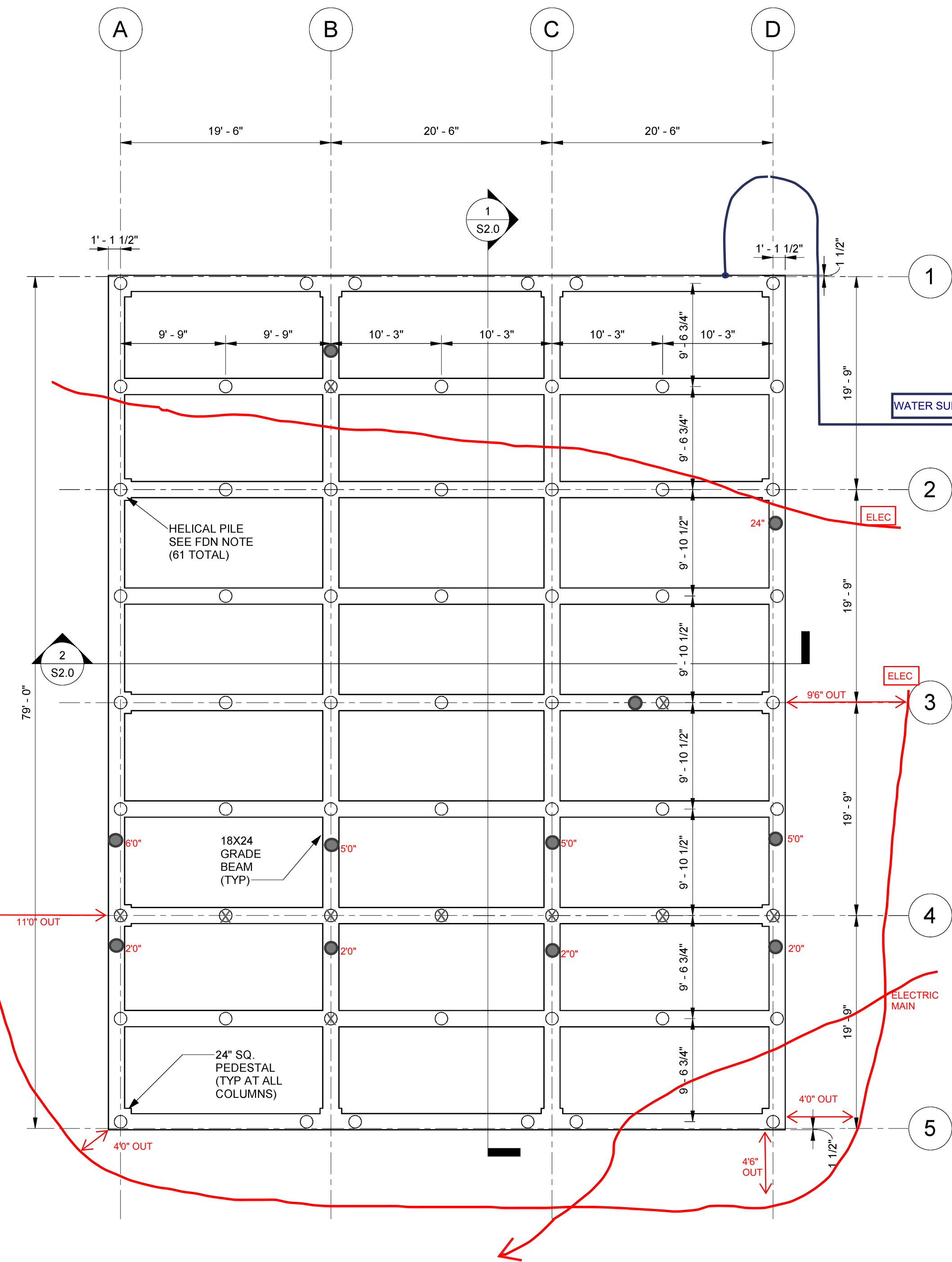


SLAB PLAN

1/8" = 1'-0"



TYPICAL INTERIOR WIDE FLANGE COLUMN FOOTING DETAIL

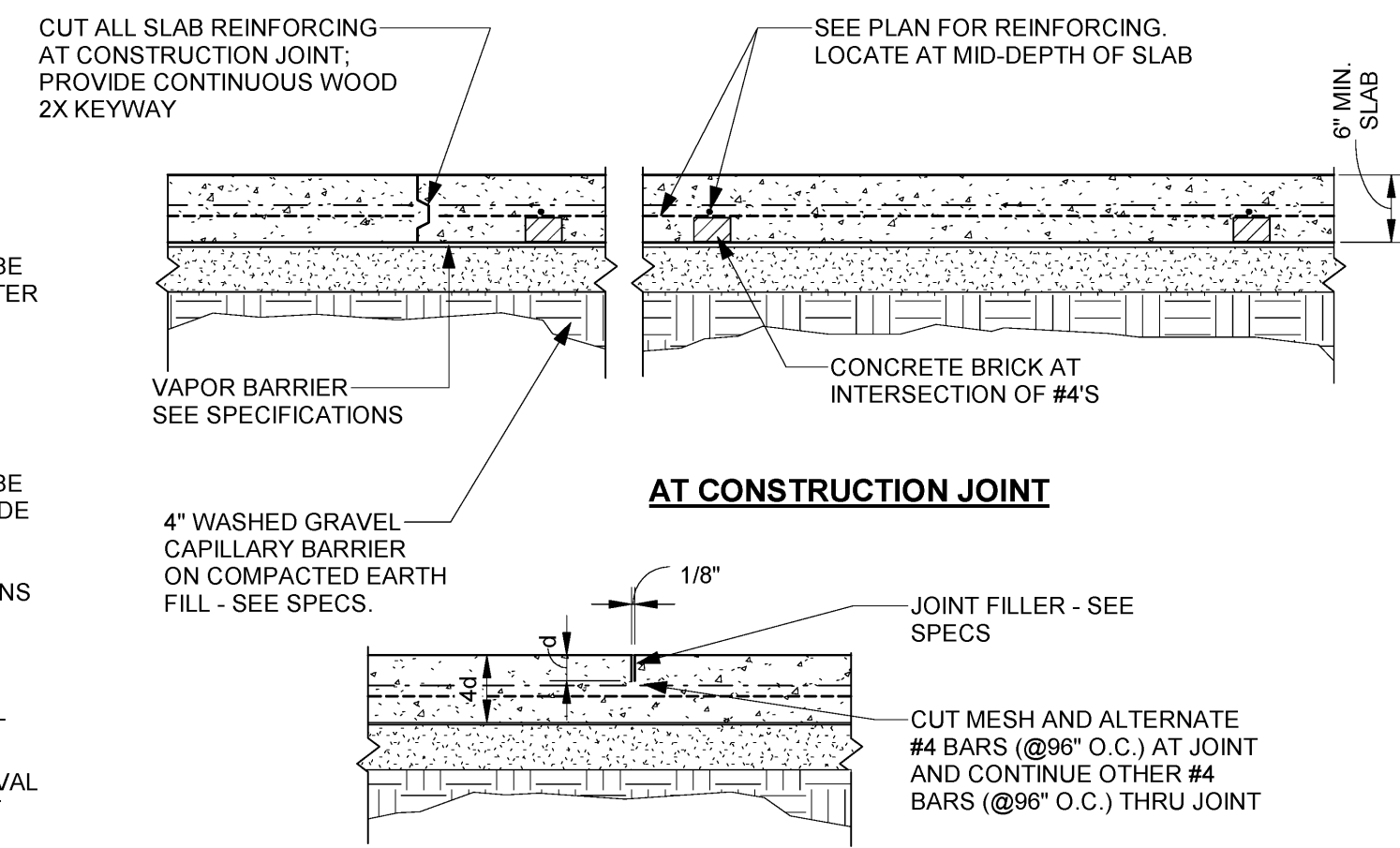


FOUNDATION PLAN

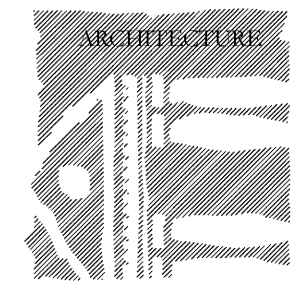
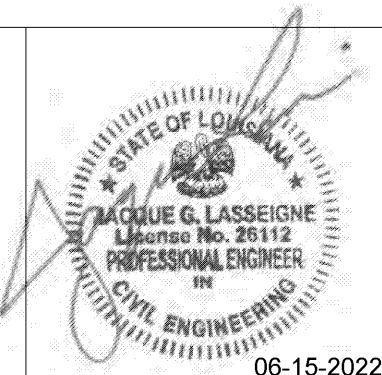
1/8" = 1'-0"

CONTROL JOINT NOTES:

- CONTROL JOINTS SHALL BE SPACED @ 13'-0" ON CENTER MAX EACH WAY.
- CONTROL JOINTS CAN BE SAWED JOINTS OR CONSTRUCTION JOINTS.
- CONTROL JOINTS SHALL BE AT LEAST 5'-0" FROM GRADE BEAM CENTERLINES.
- CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH FLOOR FINISHES.
- CONTRACTOR SHALL SUBMIT A CONTROL JOINT PLAN TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF ANY FLOOR SLABS.



TYPICAL 6" SLAB ON GRADE DETAIL



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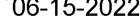
New Cold Storage Building
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St. Gabriel, LA.
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Of _____

1. THIS FOUNDATION DESIGN WAS BASED ON AND IS RELIANT UPON THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT AS PREPARED BY TOLUNAY-WONG ENGINEERS, GEISMAR, LA. PROJECT NUMBER 22.33.412 REPORT NO. 29669 DATED APRIL 22, 2022.
2. STRICT ADHERENCE TO THIS PLAN AND GEOTECHNICAL REPORT RECOMMENDATIONS IS REQUIRED. A COPY OF THEIR REPORT IS AVAILABLE AT THE ARCHITECT'S OFFICE FOR REVIEW.
3. UNLESS OTHERWISE NOTED IN THE GEOTECHNICAL REPORT, ALL FILL AND BACKFILL UNDER THE BUILDING AND FIVE FEET BEYOND THE BUILDING FOUNDATION SHALL BE SELECT MATERIAL COMPACTED TO WITHIN 95% OF THE STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.
4. UNLESS OTHERWISE NOTED IN THE GEOTECHNICAL REPORT, ALL FILL AND BACKFILL MATERIAL SHALL HAVE A "CL" CLASSIFICATION WITH A LIQUID LIMIT LESS THAN 45 AND A PLASTICITY INDEX BETWEEN 8 AND 25.
5. EARTH FORMS ARE ACCEPTABLE PROVIDED THE SOIL IS FIRM ENOUGH TO MAINTAIN STABILITY OF THE EXCAVATIONS BEFORE AND DURING THE INSTALLATION OF CONCRETE.
6. AT TRANSFORMER PAD, PROVIDE 6" THICK CONCRETE PAD REINFORCED W/ #4 BARS @ 12" SPACING IN BOTH DIRECTIONS. COORDINATE WITH TRANSFORMER MFG TO APPROPRIATELY SIZE PAD DIMENSIONS. PROVIDE A SINGLE HELICAL PILE LOCATED UNDER THE TRANSFORMER EQUIPMENT CENTER OF GRAVITY.
7. HELICAL PILE DATA:
CAPACITY = 25 KIP ALLOWABLE LOAD (S.F. = 2)
SHAFT = 4 1/2" DIA x 0.337" WALL THICKNESS
SHAFT YIELD STRENGTH = 50 ksi
SHAFT DEPTH = 98 feet
HELICES CONFIG = (4) 18" DIAMETER HELICES x 1/2" THICK @ 4'-6" SPACING
MINIMUM INSTALLATION TORQUE = 9,000 ft-lbs.
MINIMUM PILE SPACING = 4'-6"

1. ALL CONCRETE AND REINFORCING STEEL SHALL CONFORM TO THE LATEST ACI CODE.
2. UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE PLANS, ALL CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI FOR SLABS AND 4,000 PSI FOR ALL CONCRETE BELOW SLABS/PAVING.
3. UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE PLANS, ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
4. WHERE REINFORCING STEEL IS CALLED TO BE WELDED, WELDABLE REINFORCING STEEL SHALL BE USED.
5. PROVIDE ALL NECESSARY REINFORCING STEEL ACCESSORIES REQUIRED TO SECURELY HOLD THE REINFORCING STEEL IN THE POSITION SHOWN ON THESE PLANS.
6. ALL REINFORCING IN MEMBERS IN CONTACT WITH THE EARTH BUT NOT FORMED AGAINST EARTH SHALL HAVE A MINIMUM OF TWO (2) INCHES OF CONCRETE COVER.
7. ALL REINFORCING IN FACES OF MEMBERS FORMED AGAINST THE EARTH SHALL HAVE A MINIMUM OF THREE (3) INCHES OF CONCRETE COVER.
8. ALL REINFORCING BAR LAPS SHALL BE 44 BAR DIAMETERS FOR #6 OR SMALLER AND 55 BAR DIAMETERS FOR #7 OR LARGER. GRADE BEAM TOP BARS SHALL BE SPLICED WITHIN THE MIDDLE THIRD OF BEAM SPAN. GRADE BEAM BOTTOM BARS SHALL BE SPLICED AT BEAM SUPPORTS.

