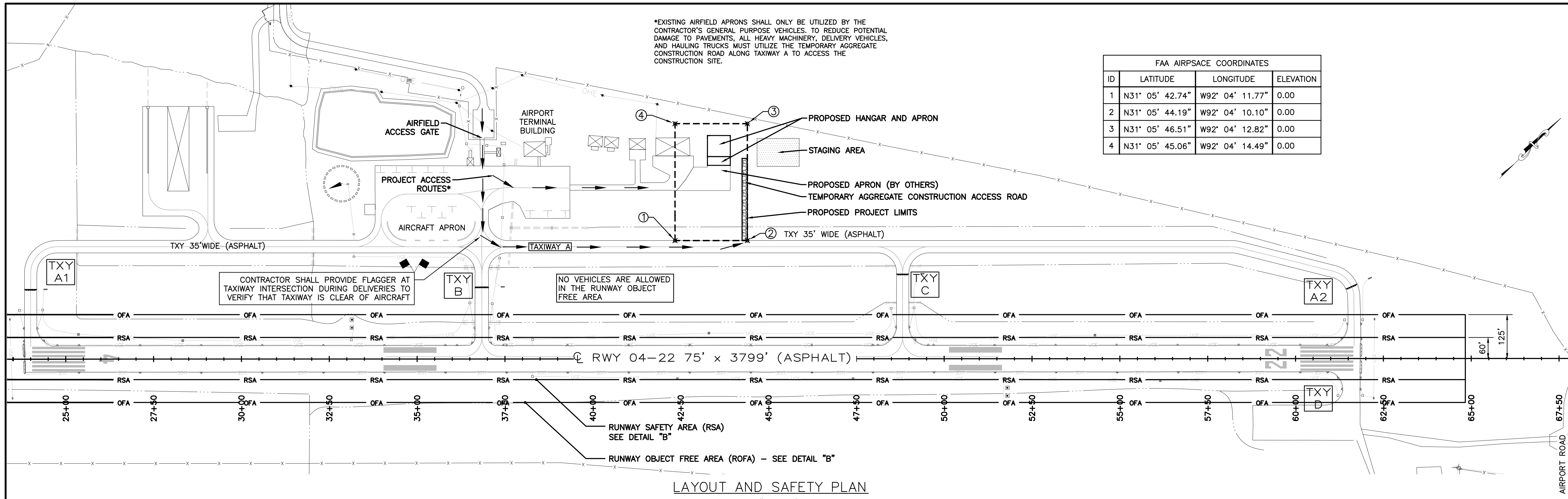
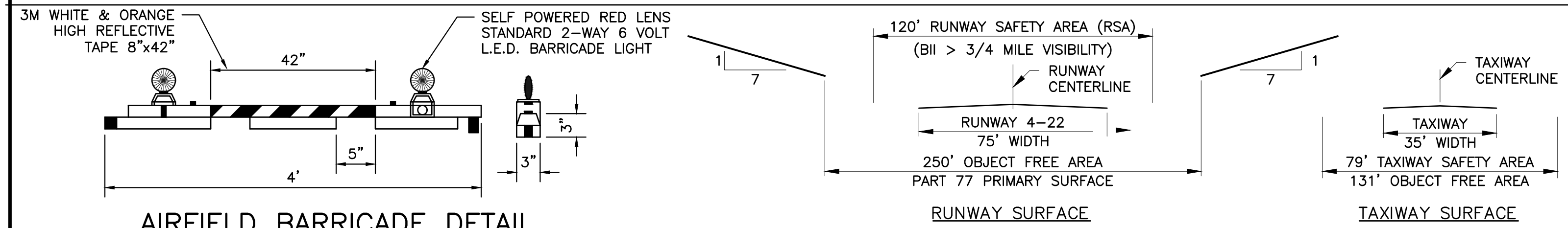


*EXISTING AIRFIELD APRONS SHALL ONLY BE UTILIZED BY THE CONTRACTOR'S GENERAL PURPOSE VEHICLES. TO REDUCE POTENTIAL DAMAGE TO PAVEMENTS, ALL HEAVY MACHINERY, DELIVERY VEHICLES, AND HAULING TRUCKS MUST UTILIZE THE TEMPORARY AGGREGATE CONSTRUCTION ROAD ALONG TAXIWAY A TO ACCESS THE CONSTRUCTION SITE.

FAA AIRSPACE COORDINATES			
ID	LATITUDE	LONGITUDE	ELEVATION
1	N31° 05' 42.74"	W92° 04' 11.77"	0.00
2	N31° 05' 44.19"	W92° 04' 10.10"	0.00
3	N31° 05' 46.51"	W92° 04' 12.82"	0.00
4	N31° 05' 45.06"	W92° 04' 14.49"	0.00



LAYOUT AND SAFETY PLAN
SCALE: 1" = 150'



DETAIL "B"
OBSTRUCTION CLEARANCE SURFACES
N.T.S.

AIRFIELD BARRICADE DETAIL
N.T.S.

DETAIL NOTES:
1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AIRFIELD BARRICADES WHEN REQUIRED FOR PARTIAL TAXIWAY CLOSURE.
2. CAUTION LIGHTS TO BE BATTERY OPERATED, RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER AND NO MORE THAN 20' APART. THERE WILL BE NO DIRECT PAYMENT FOR MAINTAINING OR REMOVAL OF THIS BARRIER.
3. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF OTHER SIDE OF ANY PAVEMENT.
4. BARRICADES SHALL ALTERNATE BETWEEN AN ORANGE HIGH REFLECTIVE STRIPE ON A WHITE BARRICADE AND A WHITE HIGH REFLECTIVE STRIPE ON AN ORANGE BARRICADE.
5. BARRICADES SHALL MEET THE REQUIREMENTS OF AC 150/5370-2F.

GENERAL CONSTRUCTION NOTES

- AIRFIELD SAFETY**
 - THE CONTRACTOR SHALL OBTAIN KNOWLEDGE OF AND INCORPORATE THE FOLLOWING SAFETY PROVISIONS INTO THE CONSTRUCTION PROJECT: * OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION - AC 150/5370-2F. * AIRPORT SAFETY SELF-INSPECTION - AC 150/5200-18C. * PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT - AC 150/5210-5D. * FAR, PART 139.
 - NOTICE TO AIRMEN (NOTAMS) - THE CONTRACTOR SHALL FURNISH THE OWNER WITH THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS (RUNWAY CLOSURES, TAXIWAY CLOSURES, ETC.) 72 HOURS IN ADVANCE OF CONSTRUCTION, SO THAT THE OWNER CAN ADVISE THE FLIGHT SERVICE STATION TO ISSUE A NOTAM IN ACCORDANCE WITH ESTABLISHED CRITERIA.
 - EXCEPT WHERE DESIGNATED ON PLANS OR AS AUTHORIZED BY ENGINEER, CONTRACTOR WILL NOT BE ALLOWED TO USE RUNWAYS, TAXIWAYS, OR APRON AS PART OF THE HAUL ROAD.
 - ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH THE PROJECT ACCESS ROUTE SHOWN ON THIS PLAN.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND THE IDENTIFICATION OF ALL EXISTING UTILITIES. REPAIRS TO EXISTING UTILITIES (ON OR OFF AIRPORT PROPERTY) DAMAGED BY CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY REPAIR OR REPLACEMENT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OPERATIONS OF DEBRIS THAT MAY BE ON EXISTING PAVED SURFACES USED AS HAUL ROUTE ON OR OFF OF THE AIRPORT PROPERTY.
 - ALL EQUIPMENT MUST BE RETURNED TO THE STAGING AREA AT THE END OF EACH WORK DAY OR AS APPROVED BY PROJECT ENGINEER.
 - CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL AIRFIELD SAFETY DEVICES SUCH AS STAKED LIMITS LINES ALONG RUNWAY SAFETY AREA AND TAXIWAY RESTRICTED AREAS FOR THE DURATION OF THE PROJECT AS REQUIRED. DAMAGED STAKES OR FLAGGING SHALL BE REPLACED. STAKES WITH FLAGS SHALL BE REPLACED ON 200' CENTERS ALONG RESTRICTED AREAS.
 - AFTER HOURS OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING BARRICADES
- ARE IN PLACE AS REQUIRED, AND AREAS OUTSIDE OF CONSTRUCTION SITE ARE CLEAN OF ANY DEBRIS.
- ALL VEHICLES USED ON THE AIRFIELD SHALL MEET AIRPORT REQUIREMENTS FOR MARKING AND LIGHTING. (SEE AC 150/5210-5D)
- CONTRACTOR SHALL INSTALL AND MAINTAIN TYPE I BARRICADES TO DESIGNATE CLOSED AIRCRAFT MOVEMENT AREAS, AS DIRECTED BY THE PROJECT ENGINEER. PLANS SHOW MINIMUM CONSTRUCTION BARRICADES, ADDITIONAL BARRICADES AS DIRECTED BY PROJECT ENGINEER SHALL BE AT NO DIRECT COST.
- BURNING OF DEBRIS IS NOT PERMITTED ON AIRPORT PROPERTY.
- CONTRACTOR IS RESPONSIBLE FOR ALL SUB-CONTRACTORS ON SITE AND TO ENSURE THEY ARE AWARE OF THE SAFETY BOUNDARIES ESTABLISHED TO DE-CONFLICT THEIR EQUIPMENT AND PERSONNEL WITH AIRCRAFT MOVEMENT.
- ELECTRICAL**
 - SEE ELECTRICAL PLAN SHEETS FOR ADDITIONAL INFORMATION.
- SECURITY**
 - ALL PERSONAL VEHICLES TO REMAIN OUTSIDE OF AIRFIELD FENCE OR DESIGNATED STAGING AREA.
 - CONTRACTOR RESPONSIBLE FOR PROVIDING A PAD LOCK OR OBTAINING ELECTRIC KEY CARD FROM AIRPORT FOR HAUL ROUTE ACCESS GATE AND MUST ENSURE GATE IS SECURE AT COMPLETION OF EACH WORK DAY.
 - CONTRACTOR RESPONSIBLE FOR SECURING CONSTRUCTION EQUIPMENT AND STORING ELECTRICAL EQUIPMENT THAT HAS BEEN DISMANTLED DURING CONSTRUCTION OPERATIONS.
- STAGING AREA**
 - THE CONTRACTOR'S STAGING AREA HAS BEEN SHOWN ON THE PLANS FOR INFORMATION PURPOSES ONLY. THE ACTUAL SIZE AND LOCATION WILL BE DETERMINED AT THE PRE-CONSTRUCTION CONFERENCE.
- LAYOUT**
 - DATUM USED ON THE PLANS ARE: HORIZONTAL: NAD83, VERTICAL: NAVD 88, BEARINGS ARE BASED ON LOUISIANA SOUTHERN STATE PLANE COORDINATE SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND VERIFYING ALL MEASUREMENTS PRIOR TO BEGINNING OF CONSTRUCTION. PROJECT HORIZONTAL CONTROLS HAVE BEEN INDICATED ON THE PLANS AND SHALL BE SET PRIOR TO CONSTRUCTION BY ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH PROJECT BASE LINES. AT NO ADDITIONAL PAY.
- PROJECT SPECIFIC**
 - CONTRACTOR SHALL PROVIDE A WRITTEN SCHEDULE OF WORK TO THE AIRPORT MANAGER / PROJECT ENGINEER FOR APPROVAL PRIOR TO WORK COMMENCING ON THE AIRFIELD - SEE SPECIAL PROVISIONS IN PROJECT SPECIFICATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR FILLING AND SEEDING AREAS THAT ARE DISRUPTED OUTSIDE OF CONSTRUCTION AREA DURING CONSTRUCTION OPERATIONS ON THIS PROJECT AT NO ADDITIONAL PAY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE AIRPORT MANAGER TO OBTAIN A CLOSURE APPROVAL PRIOR TO COMMENCING ANY WORK THAT REQUIRES A TAXIWAY CLOSURE. ALL CLOSURES SHALL REQUIRE A MINIMUM OF 72 HOURS ADVANCE NOTICE TO THE AIRPORT MANAGER TO PROPERLY ESTABLISH A NOTICE TO AIRMEN (NOTAMS). THIS 72 HOUR ADVANCE NOTICE IN NO WAY PROVIDES APPROVAL FOR CLOSURE AND MUST STILL BE PRE-SCHEDULED WITH THE AIRPORT MANAGER OR ENGINEER.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, PLACING, AND THE REMOVAL OF TAXIWAY CLOSURE MARKINGS AND BARRICADES AS REQUIRED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OPERATIONS OF DEBRIS ON EXISTING PAVED SURFACES USED AS HAUL ROUTE ON OR OFF OF THE AIRPORT PROPERTY.
 - CONTRACTOR SHALL WORK ONLY IN DAYLIGHT CONDITIONS UNLESS APPROVED IN WRITING BY THE OWNER.
 - ALL EQUIPMENT MUST BE RETURNED TO THE STAGING AREA AT THE END OF EACH WORK DAY.
 - NO WORKERS OR EQUIPMENT ARE TO BE UTILIZING THE TAXIWAY, RUNWAY, AND/OR AIRCRAFT APRON AREA AS ROUTES FOR EQUIPMENT MOVEMENT UNLESS GIVEN APPROVAL AND SPECIFIC INSTRUCTIONS BY THE AIRPORT MANAGER/PROJECT ENGINEER.
 - RUNWAY SHALL BE CLOSED TO AIR TRAFFIC ANYTIME WORK IS COMMENCING WITHIN THE RUNWAY SAFETY AREA.



SHEET NUMBER	G2
PARISH	AVOUELLES
CONTROL SECTION	3-22-0031-024-2025
STATE PROJECT	
DESIGN CHECK	MPF
DETAIL CHECK	GWB
REVIEW	DRW
	GWB
	MARCH 2026
NO.	DATE
REVISION OR CHANGE ORDER DESCRIPTION	
BY	
MARKSVILLE AIRPORT HANGAR DEVELOPMENT	
CONSTRUCTION SAFETY AND PHASING PLAN	
digital engineering	

DMC PATH: S:\AVOUELA\2600022\004_Hanger_Development\020_Design\Layout\02-AP_SAFETY_PLAN-HNGR_LAYOUT.TAB, C2
 DATE of PLOT: Thursday, May 07, 2026 @ 8:59am

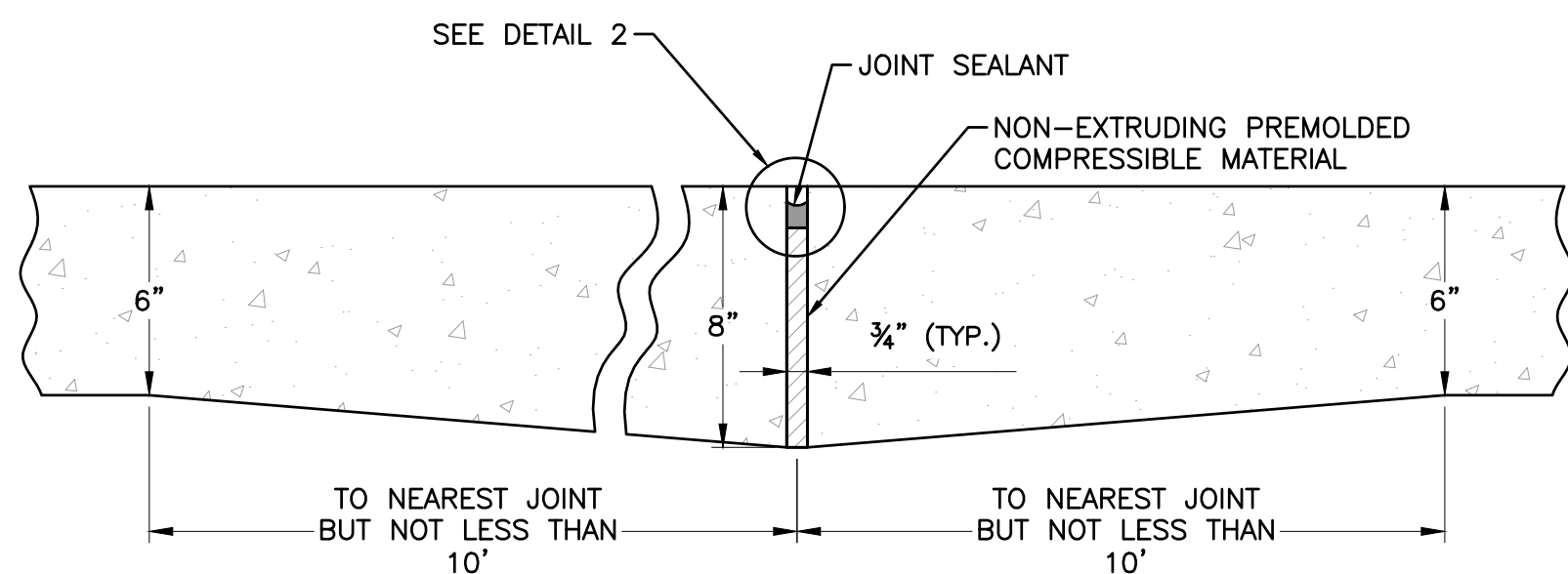
DWG PATH: S:\AVCAR\2800022.004 Hangar Development\2020 Design\CAD
 DWG NAME: 03-500-HNGR LAYOUT TAB: G3 DATE of PLOT: Thursday, May 07, 2026 @ 8:59am

HANGAR DEVELOPMENT			
REF NO.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY
BASE BID			
C-105	MOBILIZATION	LUMP	1
P-151	CLEARING AND GRUBBING	LUMP	1
P-152-4.1	UNCLASSIFIED EXCAVATION	CUYD	120
P-152-4.2	EMBANKMENT IN PLACE	CUYD	45
T-901-5.1	SEEDING	LUMP	1
302-02-08070	CLASS II BASE COURSE (8" THICK) (CRUSHES STONE OR RECYCLED PORTLAND CEMENT CONCRETE)	SQYD	187
601-01-00100	PORTLAND CEMENT CONCRETE PAVEMENT (6" THICK)	SQYD	181
706-03-00100	INCIDENTAL CONCRETE PAVING (4" THICK)	SQYD	23
S-1000	CONSTRUCTION OF A PRE-ENGINEERED 60 x 65 BOX HANGAR BUILDING (3,900 SF) WITH SINGLE PANEL HYDRAULIC DOOR ON CONCRETE FOUNDATION, INSTALLATION OF ELECTRICAL, MECHANICAL, WATER AND SEWER FOR THE HANGAR, A FINISHED RESTROOM, GRADING AND ALL INCIDENTAL WORK	LUMP	1
ADDITIVE ALTERNATE #1			
S-1001	CONSTRUCTION ACCESS ROAD*	LUMP	1
ADDITIVE ALTERNATE #2			
S-1002	CONCRETE FLOOR SEALING AND COATING	LUMP	1

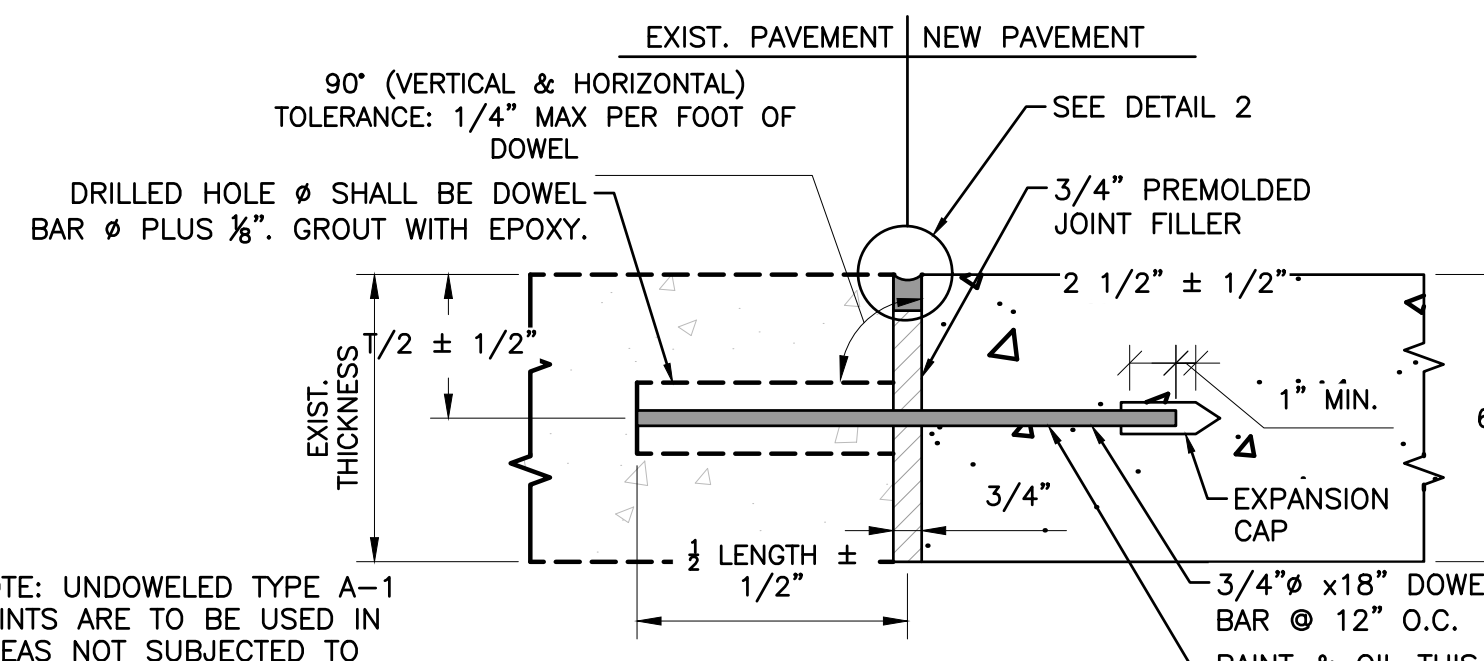
*INCLUDES TEMPORARY ROADWAY MAINTENANCE AGGREGATE, TIMBER MATTING, AND 24" CMPA CULVERTS



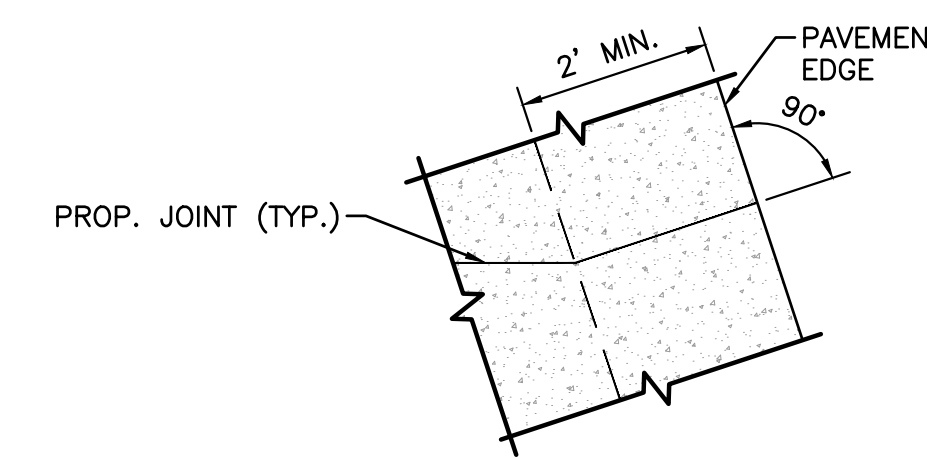
SHEET NUMBER	G3	PARISH	AVOUELLES	CONTROL SECTION	3-22-0031-024-2025
MPF	GWB	DRW	GWB	MARCH 2026	STATE PROJECT
DESIGN CHECK	GWB	DETAIL CHECK	GWB	REVIEW	MARCH 2026
REVISION OR CHANGE ORDER DESCRIPTION					
NO.	DATE				
BY					
SUMMARY OF ESTIMATED QUANTITIES					
MARKSVILLE AIRPORT HANGAR DEVELOPMENT					
digital engineering <small>DIGITAL ENGINEERING & IMAGING, INC.</small>					



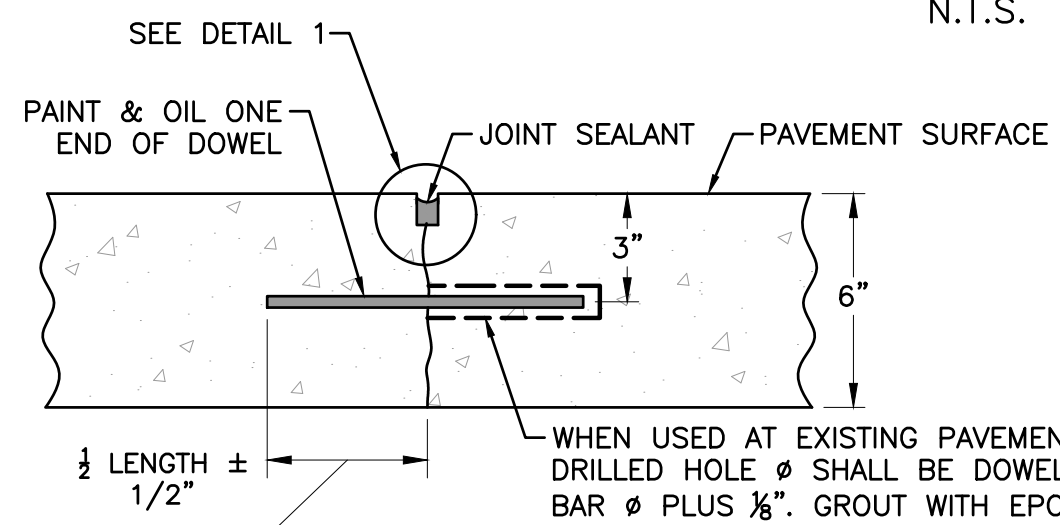
**TYPICAL ISOLATION JOINT
(TYPE A-THICKENED EDGE)**
N.T.S.



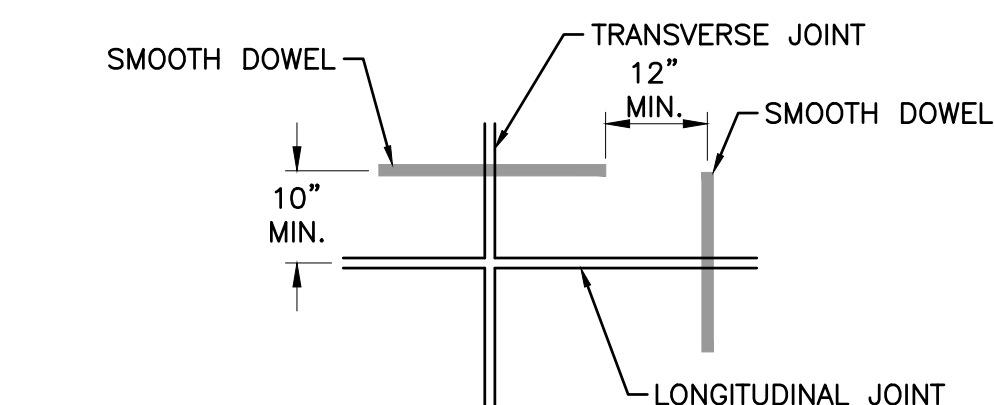
**TYPICAL ISOLATION JOINT
(TYPE A1-DOWELED OR UNDOWELED)**
N.T.S.



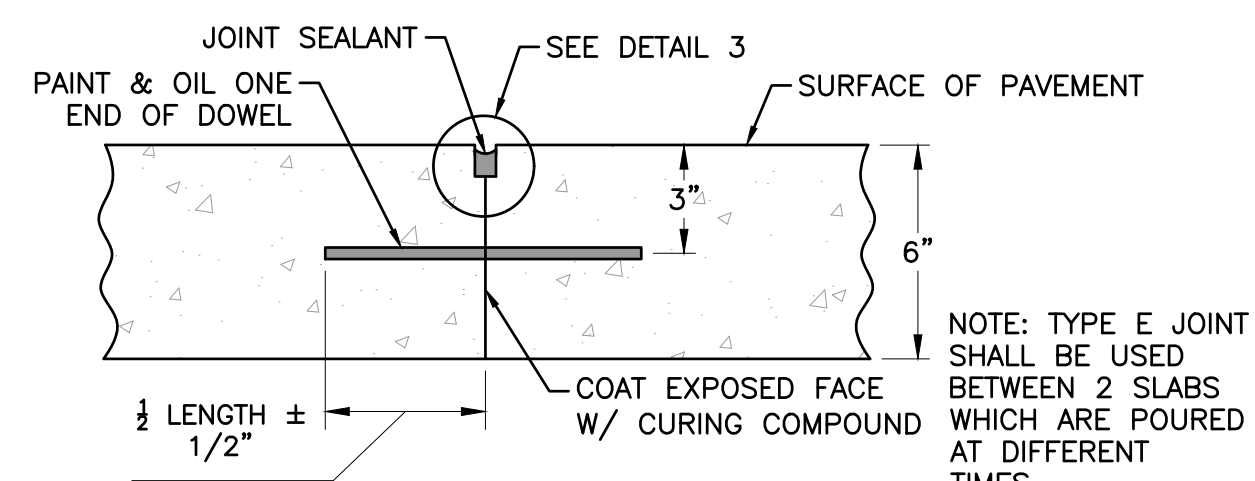
TYPICAL SKEWED JOINT DETAIL
N.T.S.



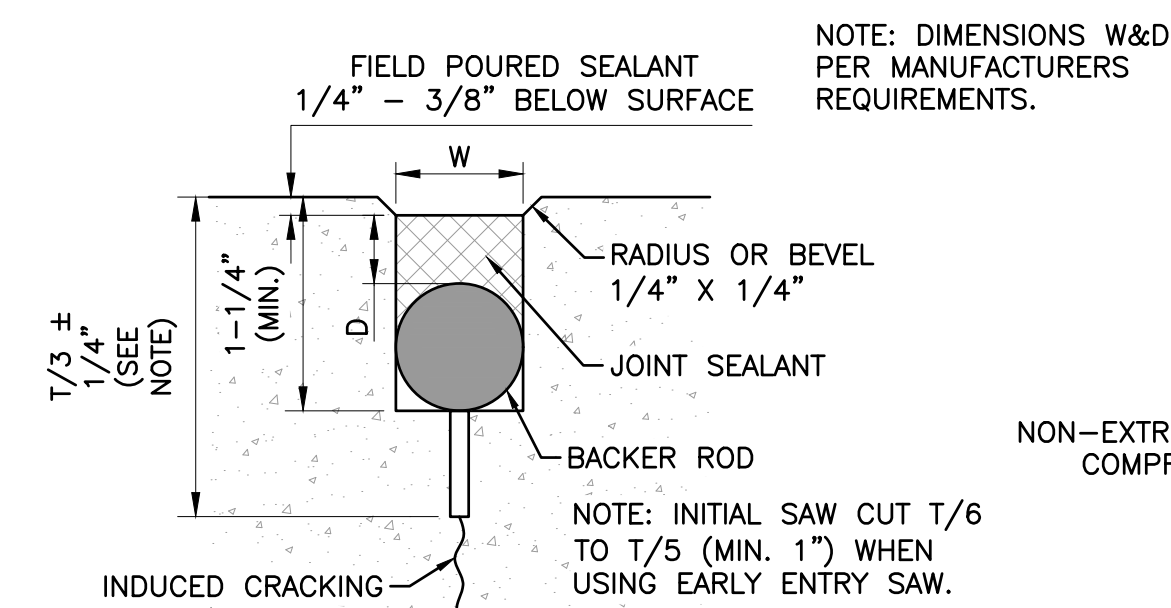
**TYPICAL CONTRACTION JOINT
(TYPE C-DOWELED)**
N.T.S.



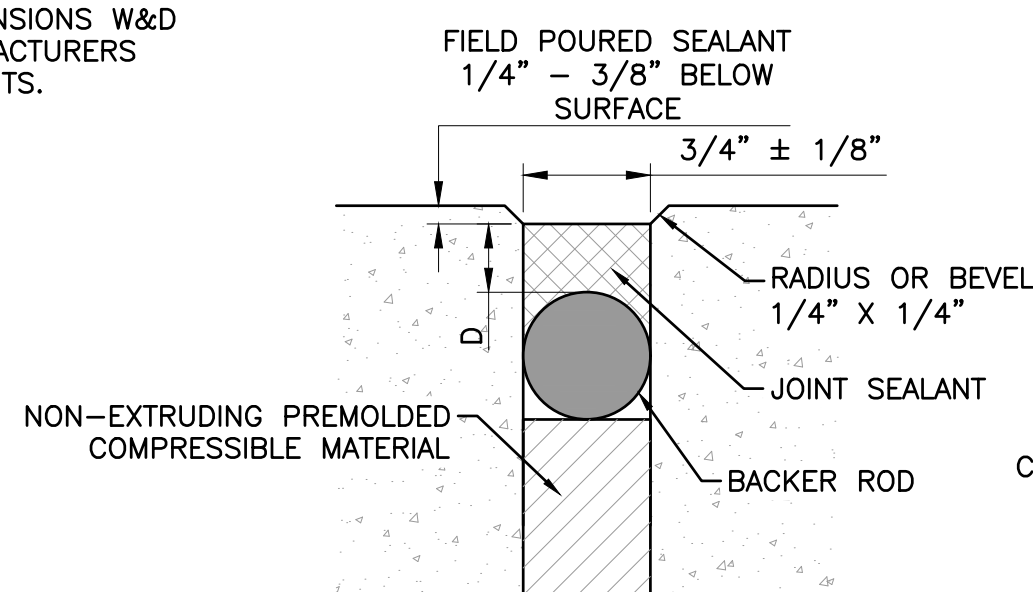
DOWEL POSITION AT EDGE OF JOINT
N.T.S.



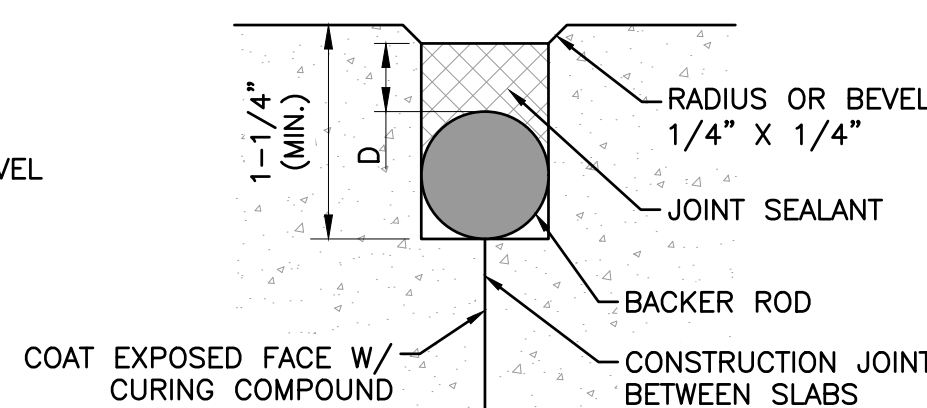
**TYPICAL CONSTRUCTION JOINT
(TYPE E-DOWELED)**
N.T.S.



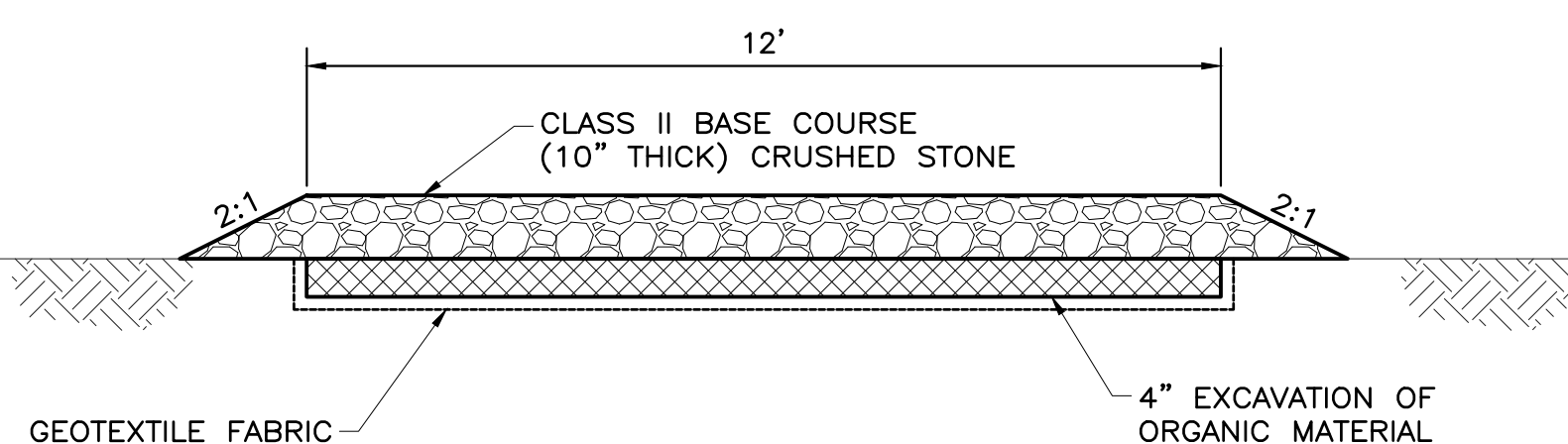
CONTRACTION JOINT
DETAIL 1
N.T.S.



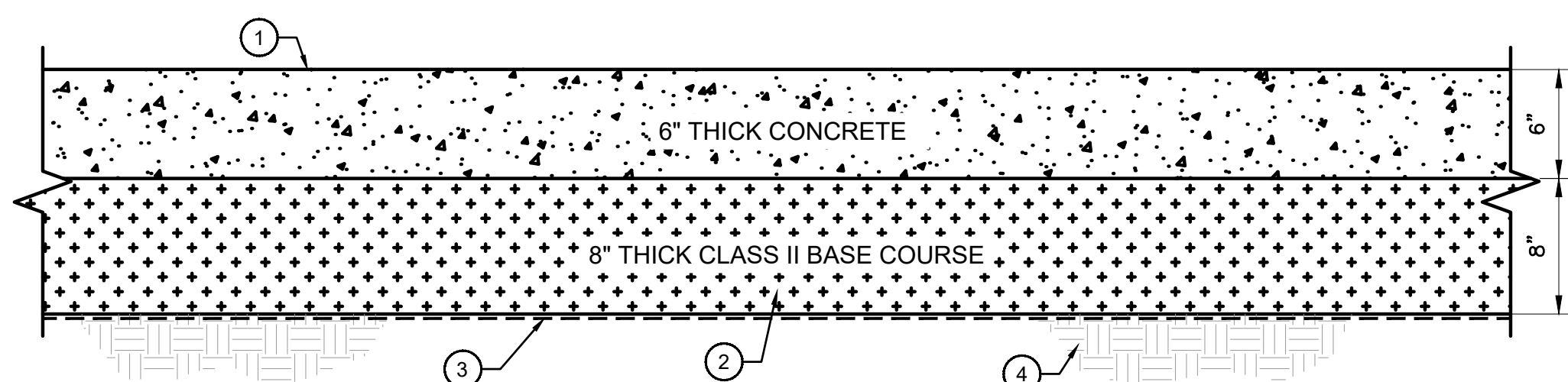
ISOLATION JOINT
DETAIL 2
N.T.S.



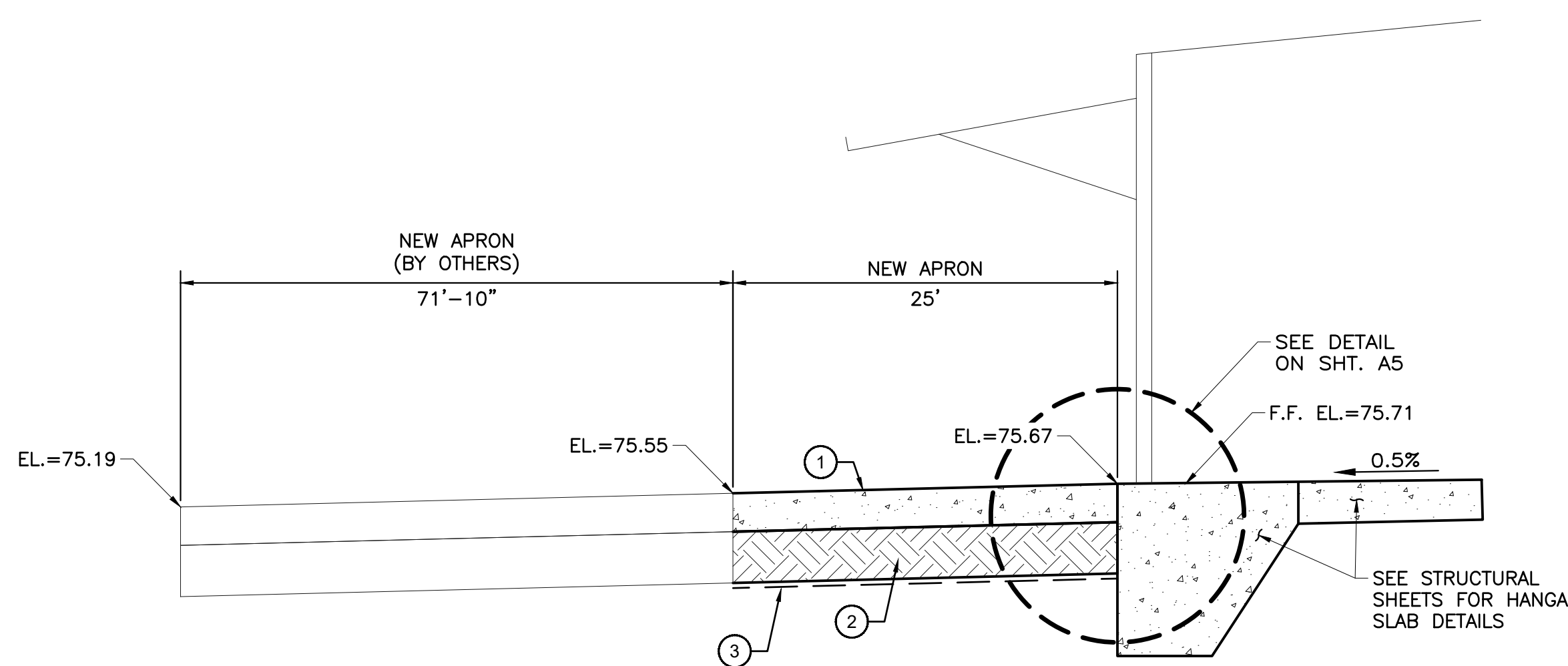
CONSTRUCTION JOINT
DETAIL 3
N.T.S.



**FINISHED SECTION
TEMPORARY ACCESS DRIVE**
N.T.S.



TYPICAL FINISHED RAMP SECTION
N.T.S.



FINISHED SECTION
N.T.S.

- PAVEMENT JOINTING NOTES:**
1. PAVEMENT JOINTS PER AC 150/5320-6G
 2. ALL DOWELS SHALL BE PLASTIC COATED, 3/4" DIAMETER, 18" LONG, & SPACED @ 12" ON CENTER.
 3. BACKER ROD MATERIAL MUST BE COMPATIBLE WITH THE TYPE OF SEALANT USED & SIZED TO PROVIDE THE DESIRED SHAPE FACTOR.

TYPICAL SECTIONS LEGEND:

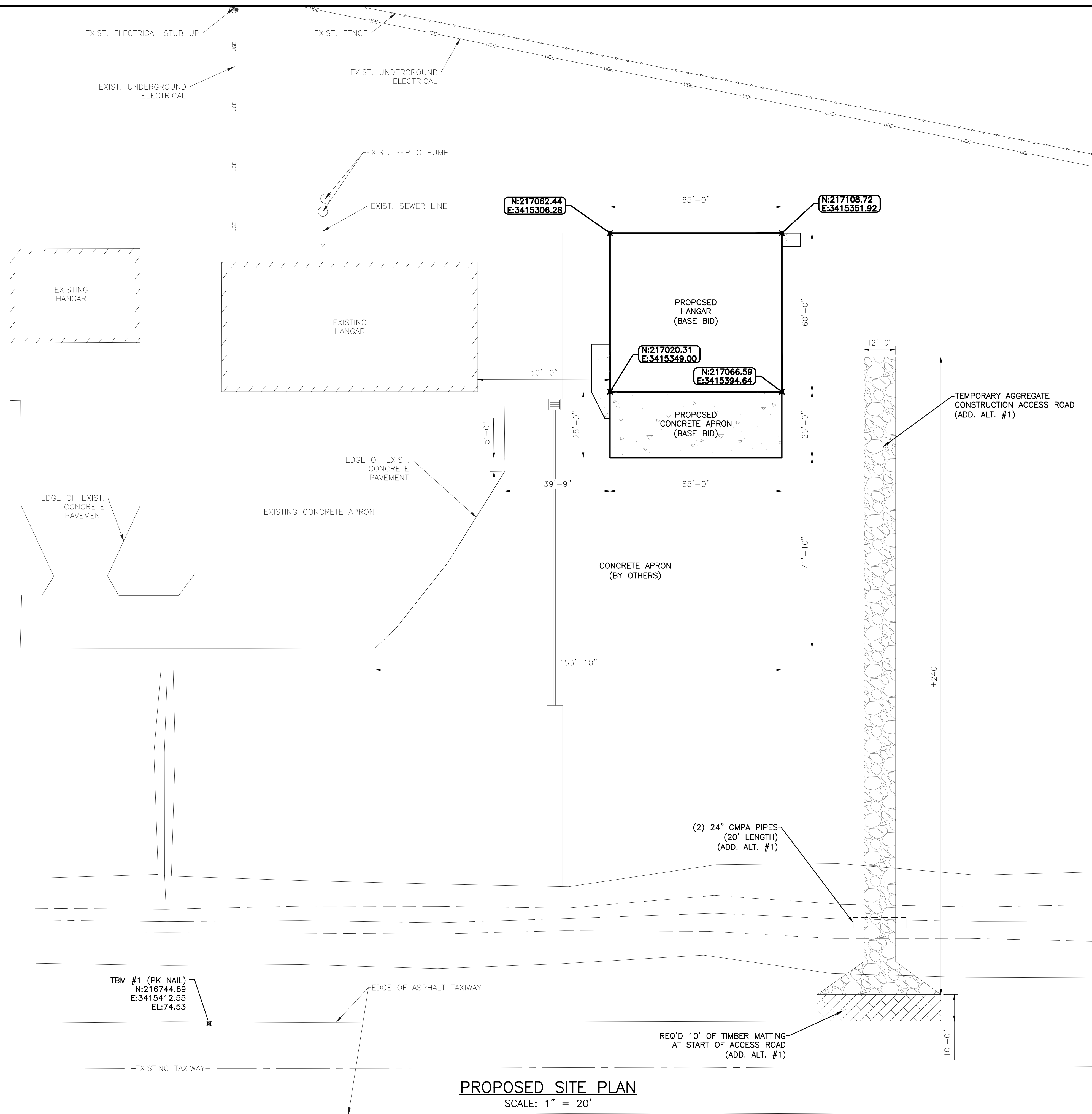
ITEM	DESCRIPTION
①	6" THICK PORTLAND CEMENT CONCRETE PAVEMENT - PAID FOR PER S.YY UNDER 601-01-00100
②	8" THICK CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED PORTLAND CEMENT CONCRETE) - PAID FOR PER SY UNDER 302-02-08000
③	GEOTEXTILE FABRIC - COST TO BE INCLUDED IN THE ASSOCIATED BASE COURSE ITEM
④	PREPARED & ENGINEER APPROVED SUBGRADE



SHEET NUMBER	G4
AVOUELLES	3-22-0031-024-2025
PARISH	CONTROL SECTION
STATE PROJECT	MARCH 2026
DESIGN CHECK	MPF
DETAIL CHECK	GWB
REVIEW	DRW
REVISION OR CHANGE ORDER DESCRIPTION	NO.
DATE	BY
TYPICAL SECTIONS AND DETAILS	
MARKSVILLE AIRPORT HANGAR DEVELOPMENT	
digital engineering	

DMC PATH: S:\AVOUELLES\22000022-004 Hangar Development\020 Design\CAD\ DATE of PLOT: Thursday, May 07, 2026 @ 8:59am
 DMC NAME: 04-DETAILS-HNGR LAYOUT TAB: G4



DWG PATH: S:\AVOYELLES\26000022.004 Hangar Development\020 Design\CAD LAYOUT TAB: G5 DATE of PLOT: Thursday, May 07, 2026 @ 8:59am
 DWG NAME: 05-06-PLANS-HNGR



SCALE: 1" = 20'

PROPOSED SITE PLAN
 SCALE: 1" = 20'



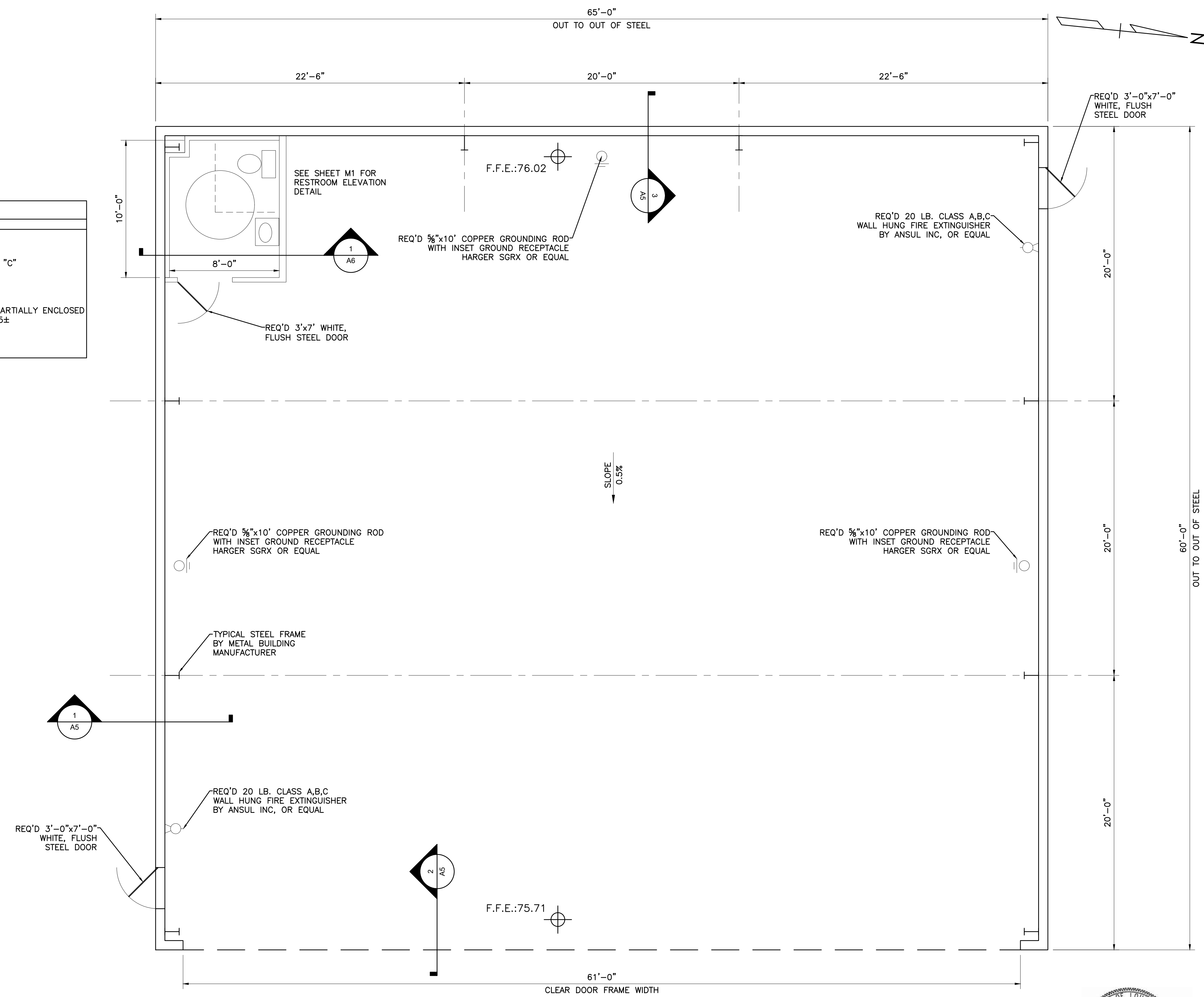
SHEET NUMBER		G5	
AVOYELLES		3-22-0031-024-2025	
PARISH	CONTROL SECTION	STATE PROJECT	
MPF	GWB	DRW	GWB
DESIGN CHECK	DETAIL CHECK	REVIEW	MARCH 2026
REVISION OR CHANGE ORDER DESCRIPTION			
NO.	DATE	BY	
			
PROPOSED SITE PLAN		MARKSVILLE AIRPORT HANGAR DEVELOPMENT	
			

SHEET NUMBER	A1
AVOUELLES	3-22-0031-024-2025
PARISH	CONTROL SECTION
STATE PROJECT	MARCH 2026
MPF	
DESIGN CHECK	DRW
GWB	GWB
DETAIL CHECK	
REVIEW	
NO.	DATE
REVISION OR CHANGE ORDER DESCRIPTION	
BY	
MARKSVILLE AIRPORT HANGAR DEVELOPMENT	

IBC 2021 DESIGN MINIMUMS	
STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH IBC 2021 AND ASCE 7-10.	
OCCUPANCY GROUP: S-1 PER IBC 311	WIND DESIGN: DESIGN METHOD: ASCE 7-10 SIMPLIFIED OR ANALYTICAL METHOD 2 (≤ 60 FT.) WIND SPEED (3 SEC. GUST): 111 MPH VULT, EXP "C" RISK CATEGORY (ASCE 7-10, TABLE 1-1) II WIND EXPOSURE CATEGORY (ASCE 7-10): C WIND TOPOGRAPHY FACTOR (ASCE 7-10): 1.00 WIND IMPORTANCE FACTOR (ASCE 7-10): 1.00 WIND ENCLOSURE CLASSIFICATION (ASCE 7-10): PARTIALLY ENCLOSED INTERNAL PRESSURE COEFFICIENT (ASCE 7-10): 0.55±
DIMENSIONS: MAX MEAN ROOF HEIGHT: 22.0 FT. LENGTH: 60 FT. WIDTH: 65 FT.	FLOOD DESIGN: ZONE X SEISMIC DESIGN CATEGORY: B SITE CLASS: D
LOADS: MINIMUM FLOOR LIVE LOAD: 150 PSF MINIMUM ROOF LIVE LOAD: 20 PSF GROUND SNOW LOAD: N/A	

NFPA CODE DATA
NFPA 409 STANDARD ON AIRCRAFT HANGARS 2022 EDITION
AIRCRAFT HANGAR GROUP: GROUP III TYPE OF CONSTRUCTION: TYPE II(000)
FLOOR AREA (NET): 3,900 SQ. FT.
CONSTRUCTION IS ALL NON-COMBUSTABLE (ENGINEERED METAL BUILDING) STEEL COLUMNS, WALLS & ROOF

- GENERAL NOTES:**
- ALL PRIMARY AND SECONDARY STEEL TO BE RED PRIMED (INTENDED FOR SHORT TERM EXPOSURE ONLY)
 - EXTERIOR WALL PANELS AND TRIM COLOR/COLORS TO BE DETERMINED BY OWNER.
 - WALK DOOR IN SIDE WALLS, WHERE APPLICABLE, TO BE FLUSH AND WHITE IN COLOR. (PER MANUFACTURERS STANDARD).
 - NO HEATING OR AIR CONDITIONING.
 - ALL METAL BUILDING
 - NO HAZARDOUS OPERATIONS PER 409-8.91.
 - NO GAS IN BUILDINGS. (ALL ELECTRIC)
 - A 6" HIGH STEEL CURB SEALED WITH FUEL RESISTANT CAULK SHALL BE PROVIDED ALONG EACH HANGAR PARTITION. THERE ARE NO LANDING GEAR-PITS, DUCTS OR TUNNELS BELOW FLOOR LEVEL.
 - HANGAR FLOOR TO BE 1/2" ABOVE ADJACENT APRON.
 - CONTRACTOR SHALL SUPPLY AND INSTALL 2 WALL MOUNTED 20lb CLASS A,B,C FIRE EXTINGUISHERS INSTALLED AS SHOWN ON PLAN.
 - ALL EXPOSED GYPSUM WALLS SHALL BE FINISHED SMOOTH, PRIMED AND PAINTED WITH 2 COATS OF PREMIUM LATEX PAINT.
 - A RUBBER BASE MOLDING SHALL BE INSTALLED ON INTERIOR WALLS OF RESTROOM, A 3"x6" ANGLE WITH FUEL RESISTANT CAULK SHALL BE INSTALLED ON THE EXTERIOR WALLS OF THE RESTROOM.



NOTE:

- DETAILED BUILDING PLANS INCLUDING LAYOUT, MEMBER SIZES AND ANCHOR BOLT PLAN, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN LOUISIANA, SHALL BE SUBMITTED TO THE OWNER'S ENGINEER PRIOR TO ORDERING BUILDING.
- BASIS OF DESIGN IS METAL HANGAR BUILDING BY PROAM STEEL, SLOCUMB, AL.

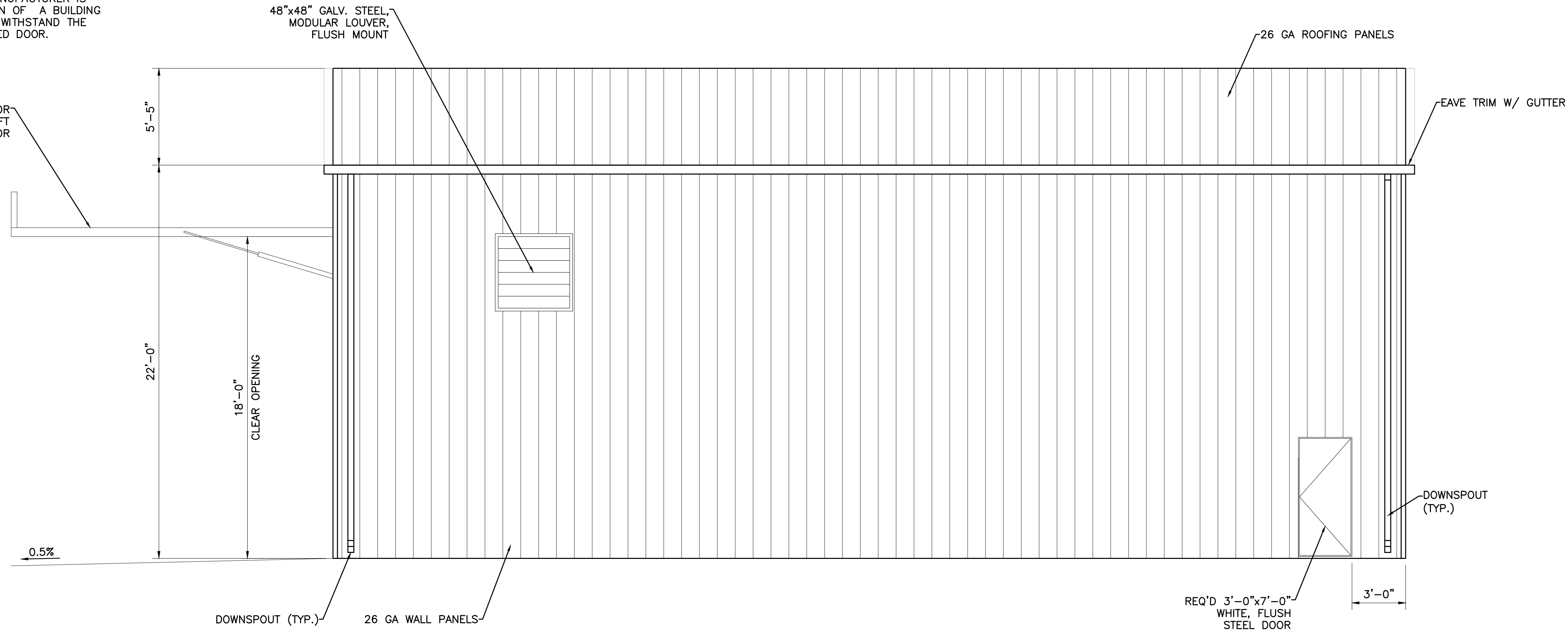
FLOOR PLAN
SCALE: 1/4" = 1'-0"



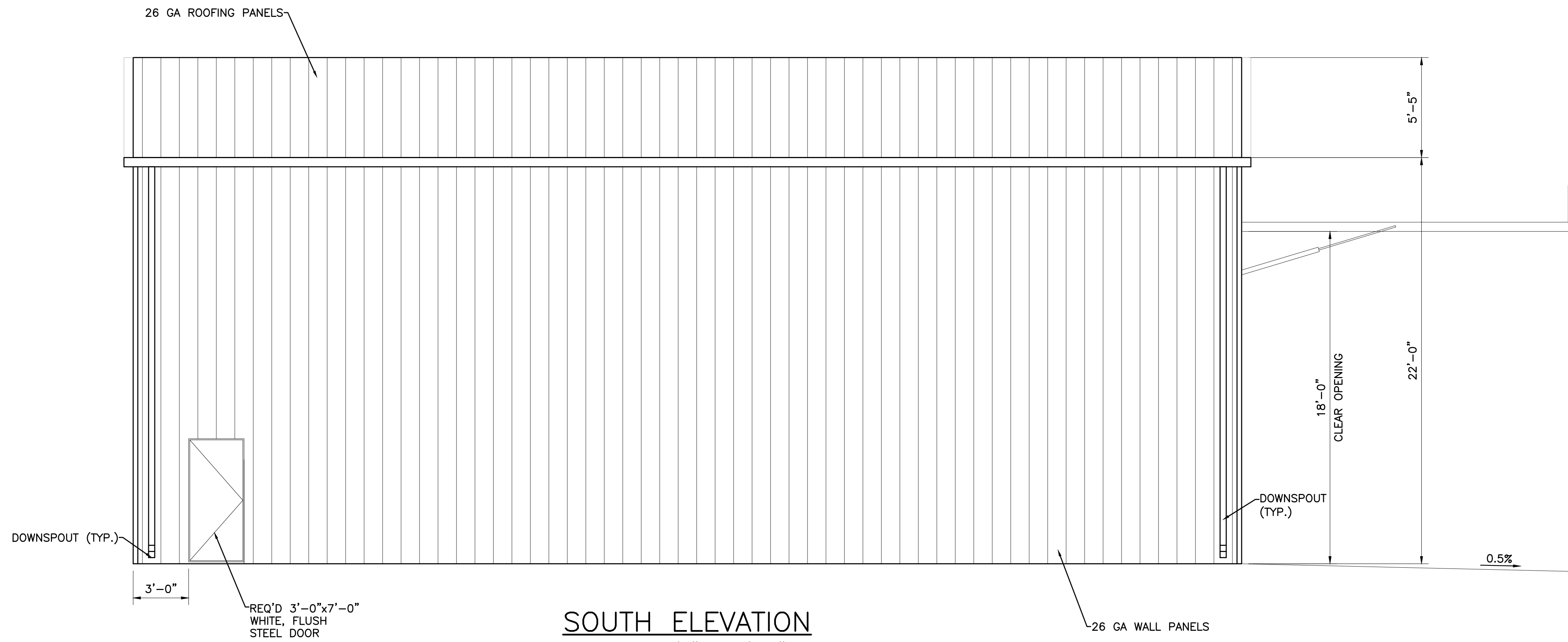
DMC PATH: S:\AVOUELLES\28000022-004 Hangar Development\020 Design\CAD\ LAYOUT TAB: A1
 DATE of PLOT: Thursday, May 07, 2026 @ 8:59am

NOTE:
THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR DESIGN OF A BUILDING STRUCTURE THAT WILL WITHSTAND THE FORCES OF THE SELECTED DOOR.

61'x18'-6" HYDRAULIC DOOR
BASIS OF DESIGN: POWERLIFT HYDRAULIC DOOR



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



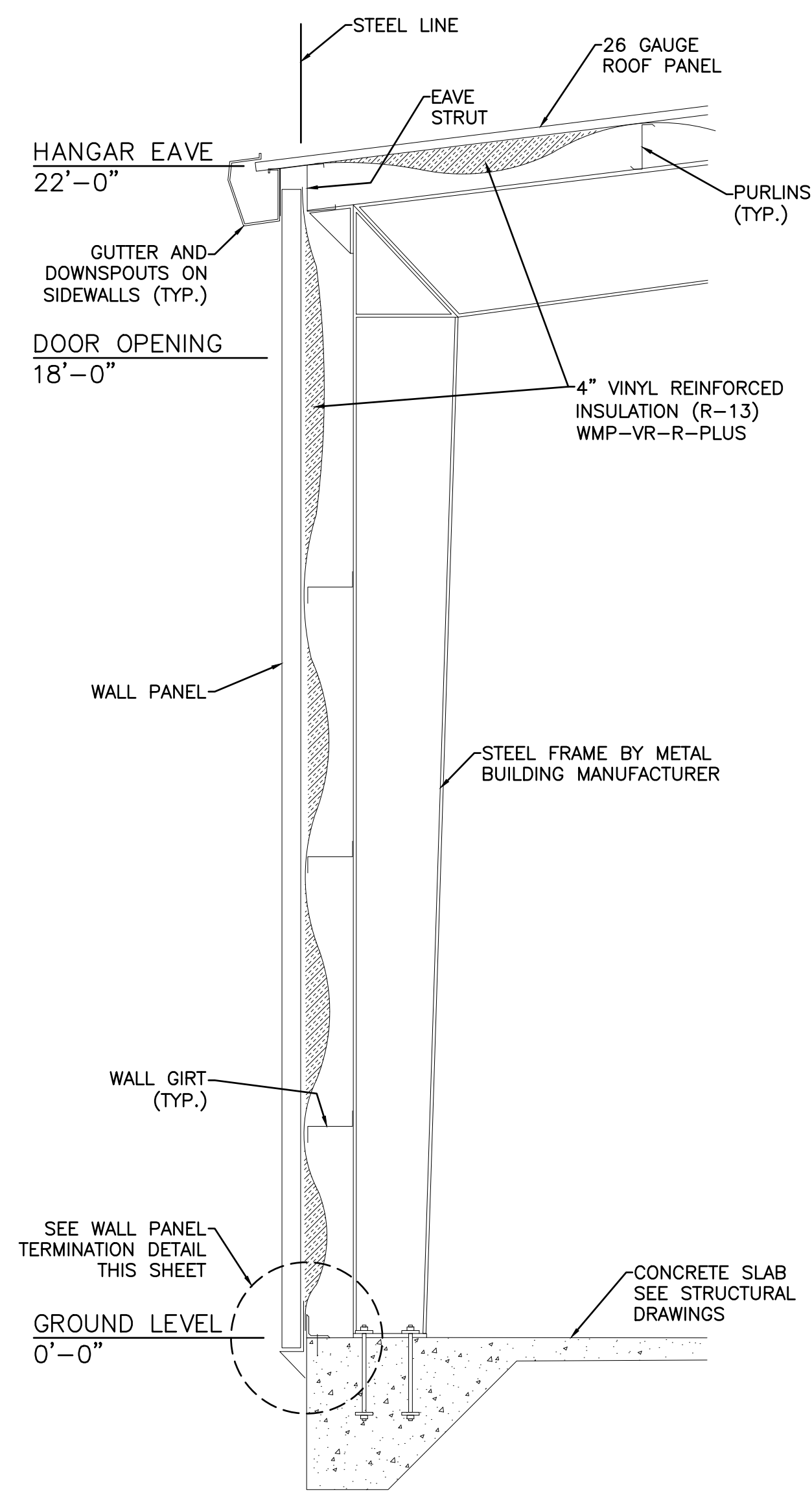
SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

DWG PATH: S:\A\CA\22600022.004 Hangar Development\020 Design\CAD
 DWG NAME: 07-HANGAR DETAILS LAYOUT TAB: A3
 DATE of PLOT: Thursday, May 07, 2026 @ 8:59am

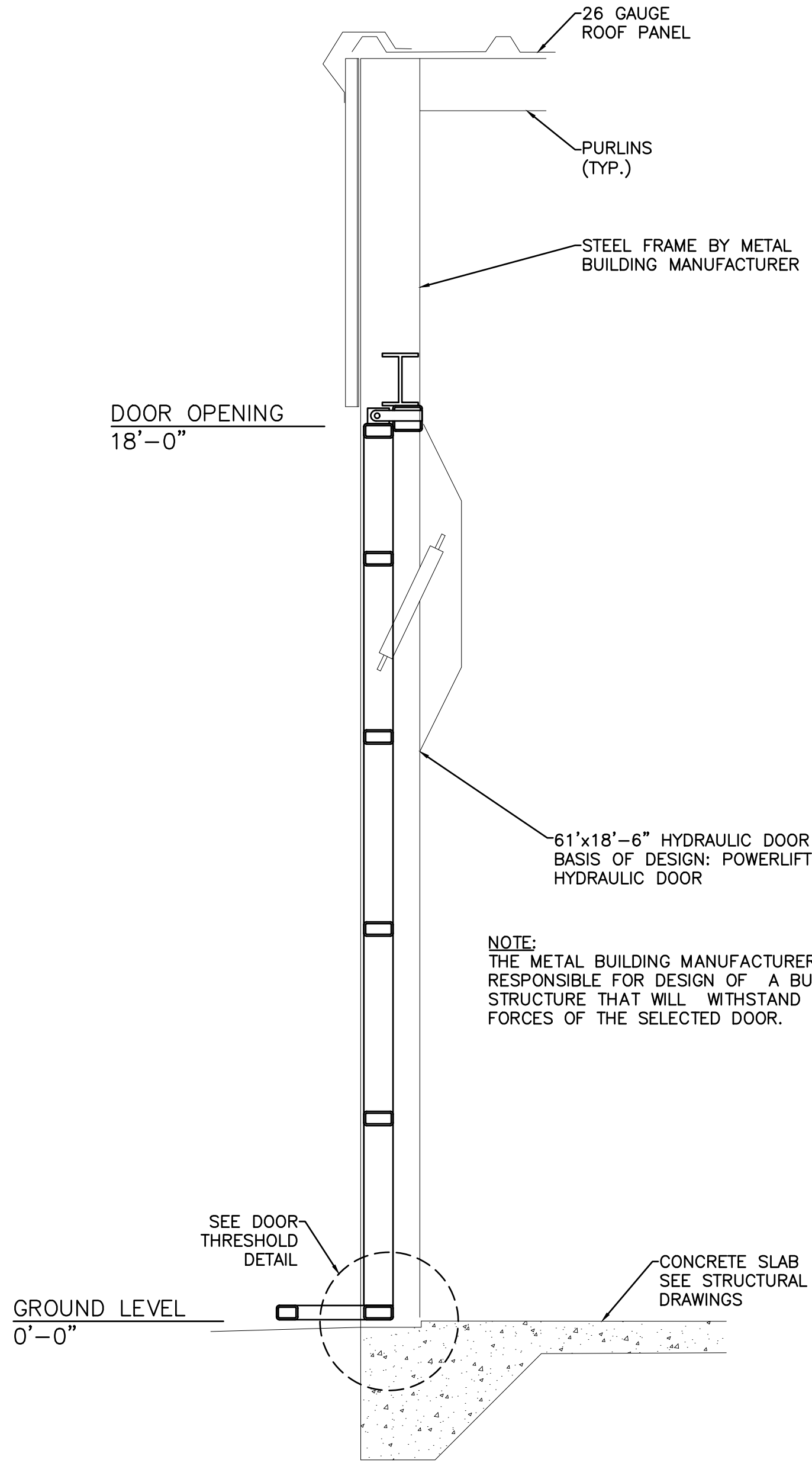
STATE OF LOUISIANA
 FRANK T. LIANG
 REG. No. 28549
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 3/23/2026

SHEET NUMBER		A3	
PARISH		AVOUELLES	
CONTROL SECTION		3-22-0031-024-2025	
STATE PROJECT		MARCH 2026	
DESIGN CHECK	MPF	DRW	BY
DETAIL CHECK	GWB	GWB	NO.
REVIEW		MARCH 2026	DATE
REVISION OR CHANGE ORDER DESCRIPTION			
MARKSVILLE AIRPORT HANGAR DEVELOPMENT			
ELEVATIONS			
digital engineering			

SHEET NUMBER	A5
PROJECT	MARKSVILLE AIRPORT HANGAR DEVELOPMENT
DATE	MARCH 2026
REVISION OR CHANGE ORDER DESCRIPTION	
NO.	
DATE	
BY	
DESIGN CHECK	MPF
DETAIL CHECK	GWB
REVIEW	DRW
CONTROL SECTION	GWB
STATE PROJECT	MARCH 2026
AVOUELLES	3-22-0031-024-2025

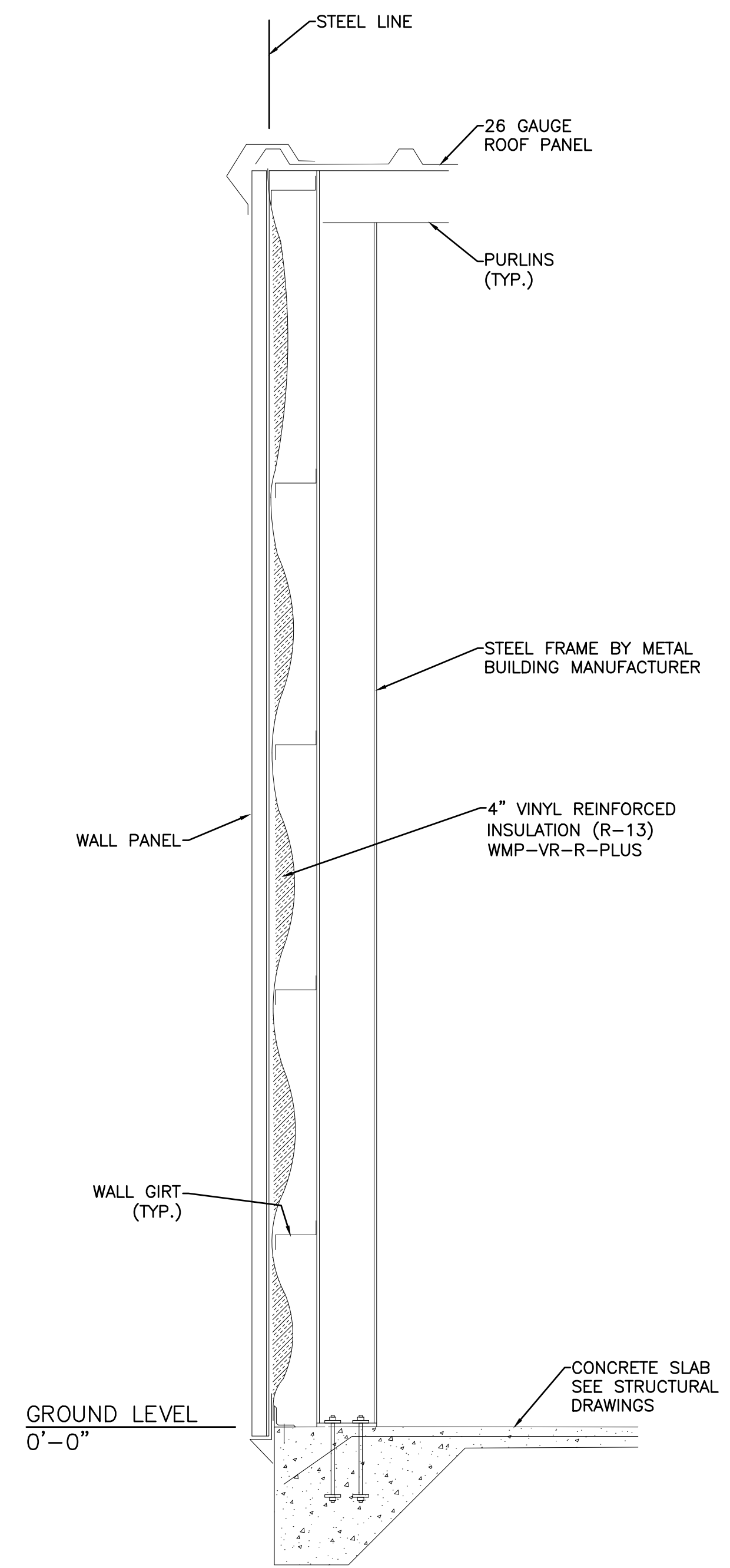


1 SIDE WALL SECTION
SCALE: 1/4"=1'-0"

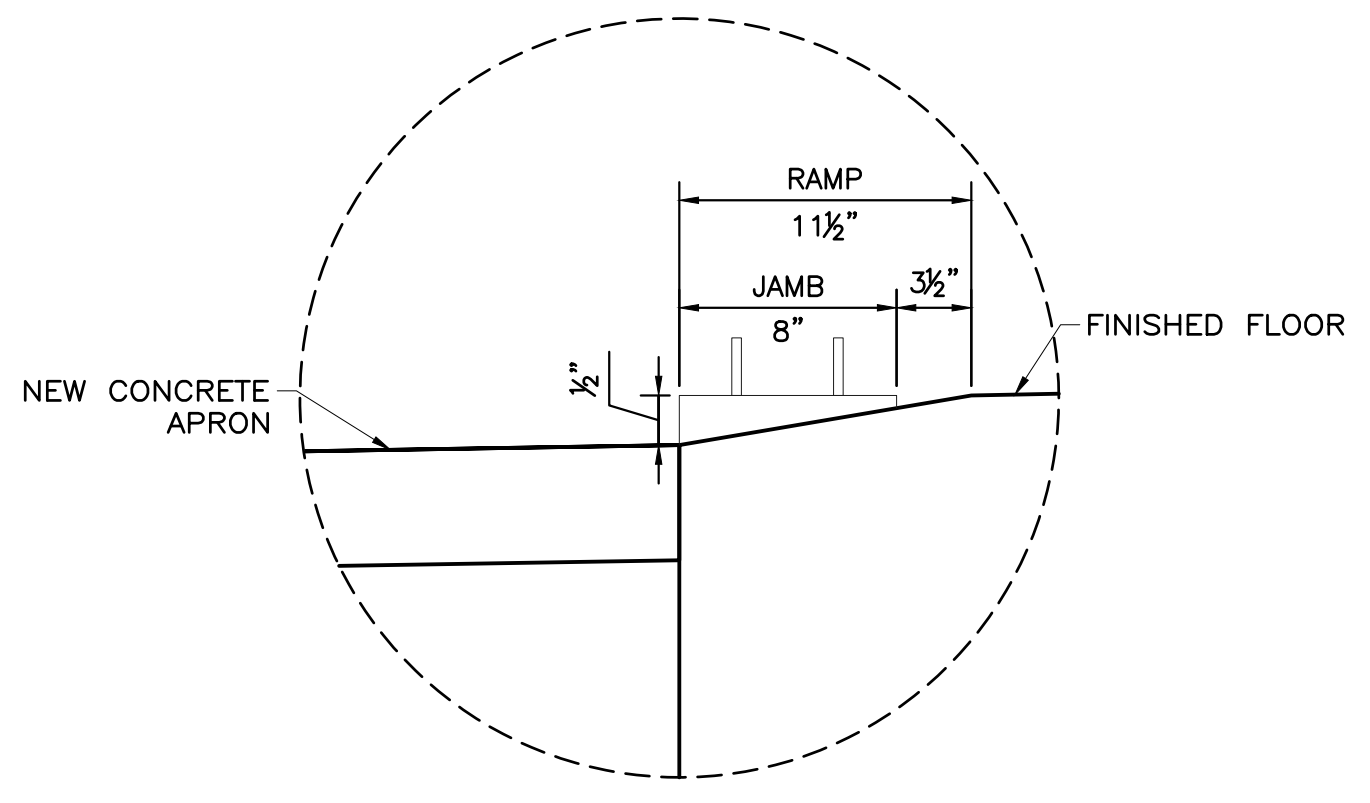


2 DOOR WALL SECTION
SCALE: 1/4"=1'-0"

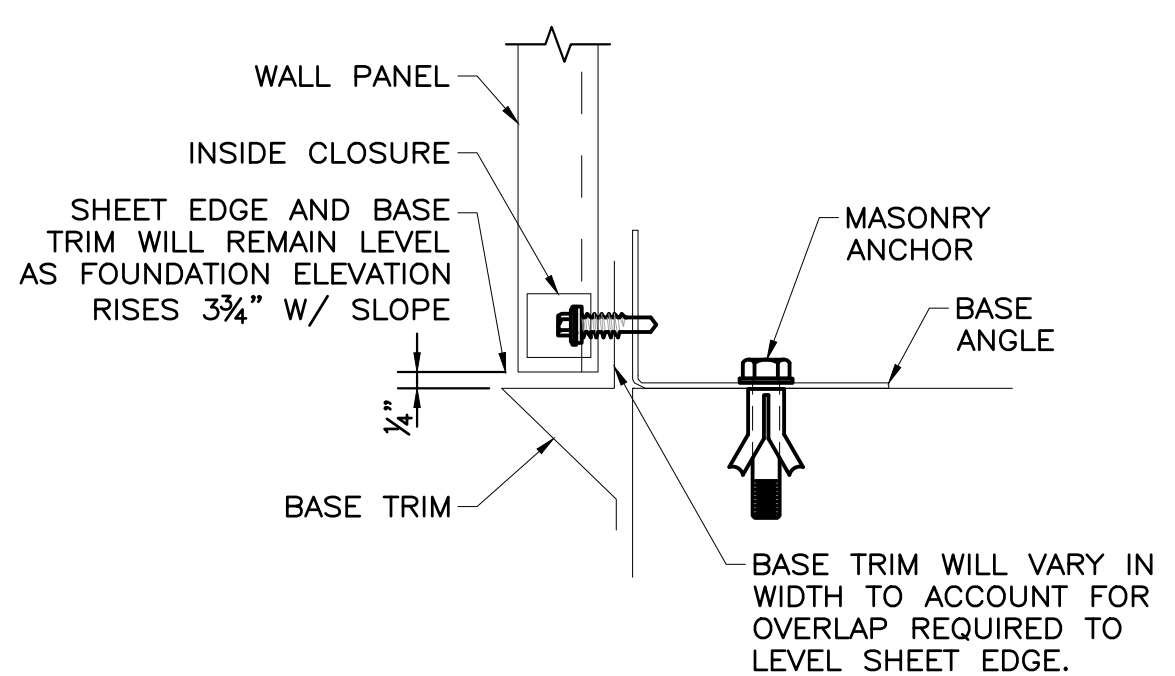
NOTE:
THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR DESIGN OF A BUILDING STRUCTURE THAT WILL WITHSTAND THE FORCES OF THE SELECTED DOOR.



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



4 OVERHEAD DOOR THRESHOLD DETAIL
N.T.S.

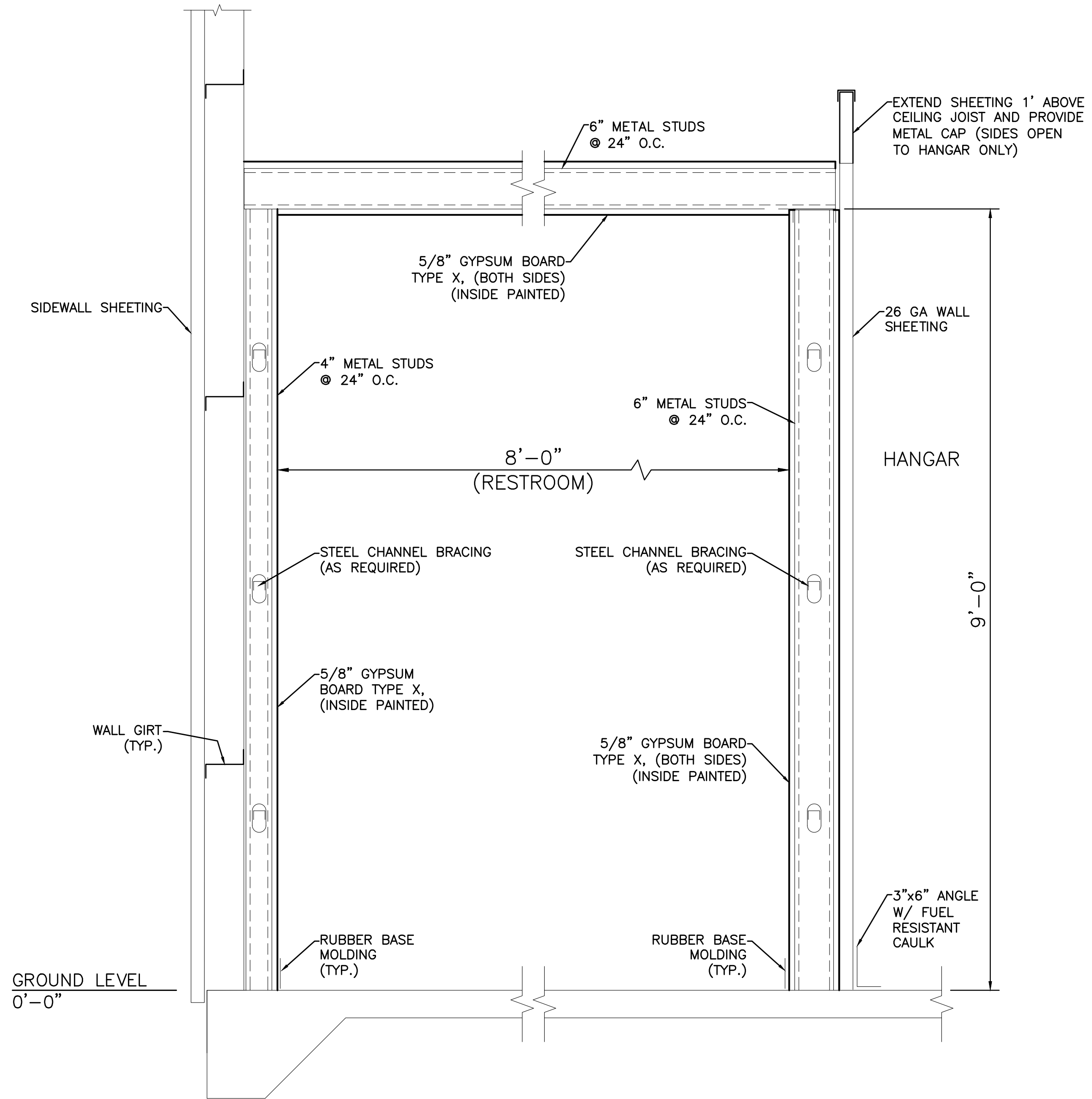


5 WALL PANEL TERMINATION DETAIL
N.T.S.

STATE OF LOUISIANA
FRANK T. LIANG
REG. No. 28549
REGISTERED PROFESSIONAL ENGINEER
3/23/2026



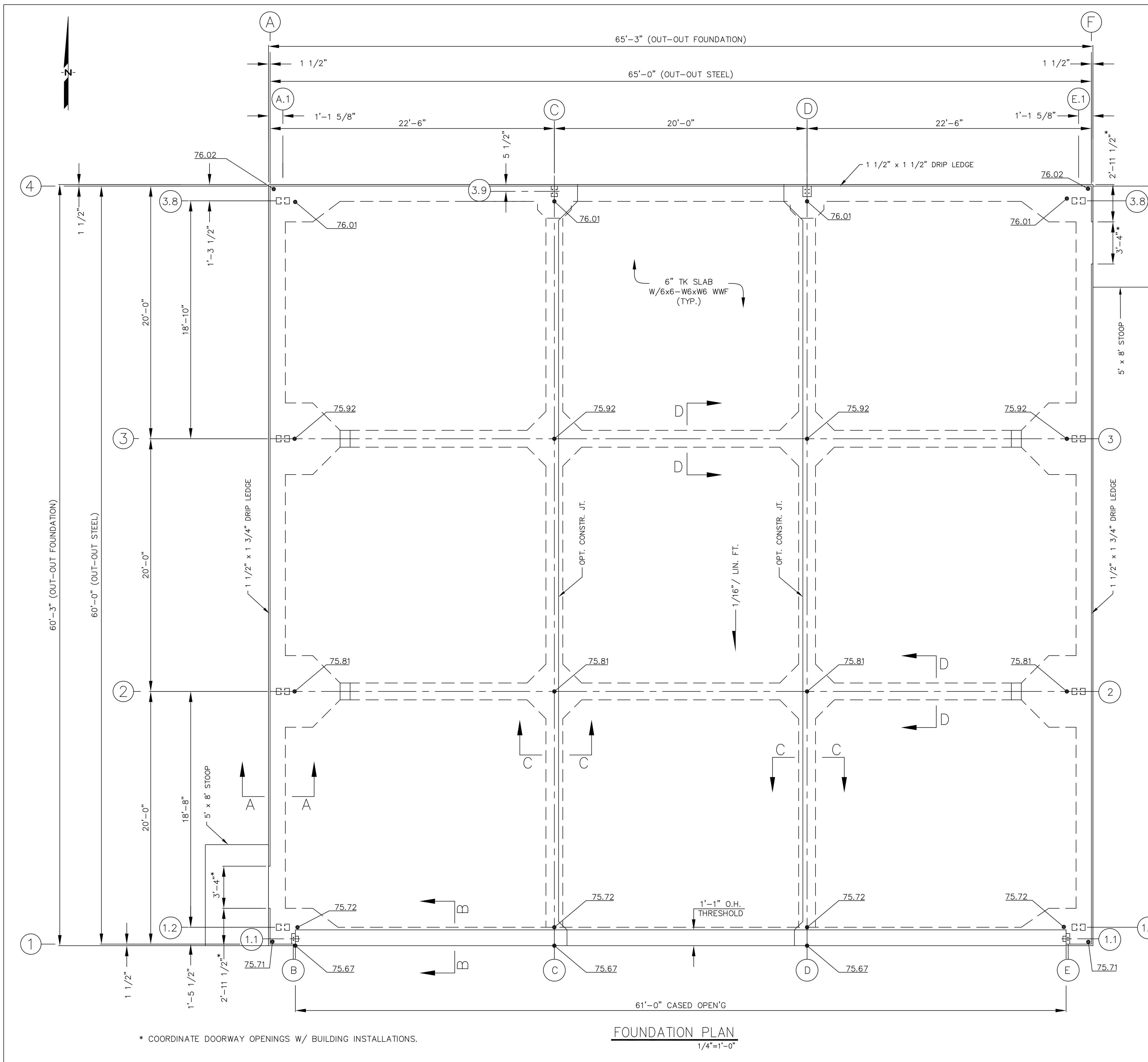
DMC PATH: S:\A\A\AIRA\28000022.004 Hangar Development\020 Design\CAD\ LAYOUT TAB: A5
 DMC NAME: 07-HANGAR DETAILS
 Thursday, May 07, 2026 @ 8:59am



1 RESTROOM PARTITION WALL
 A6 (TYP.) N.T.S.

DWG PATH: S:\A\CA\22600022.004 Hangar Development\220 Design\CAD
 DWG NAME: 07-HANGAR DETAILS Thursday, May 07, 2026 @ 8:59am

SHEET NUMBER		A6	
DESIGN CHECK	MPF	PARSH	AVOUELLES
DETAIL CHECK	GWB	CONTROL SECTION	3-22-0031-024-2025
REVIEW	DRW	STATE PROJECT	
	GWB	MARCH 2026	
REVISION OR CHANGE ORDER DESCRIPTION			
NO.	DATE	BY	
HANGAR DETAILS		MARKSVILLE AIRPORT HANGAR DEVELOPMENT	



REFERENCE:
 - DWG A1 FOR FLOOR PLAN & PENETRATIONS
 - DWGS S-2 & S-3 FOR SECTIONS & DETAILS

- NOTES:
- SITE PREPARATION:** REMOVE TOPSOIL 4" MINIMUM AND ANY DELETERIOUS MATERIALS FROM HANGAR SITE EXTENDING 8 FEET BEYOND LIMITS OF THE HANGAR FOUNDATION.
 - EXCAVATION:** EXCAVATE SUBGRADE TO INITIAL ELEVATION 74.40 PRIOR TO PROOF ROLLING. PROTECT OPEN EXCAVATIONS FROM INCREMENT WEATHER.
 - SUBGRADE PREPARATION:** PROOF ROLL FOUNDATION SITE WITH A FULLY LOADED 15T TANDEM AXLE DUMP TRUCK IN THE PRESENCE OF THE PROJECT GEOTECHNICAL ENGINEER (PGE) PRIOR TO FINAL EXCAVATION. DISCOVERED WEAK SOILS; AS DETERMINED BY THE PGE, SHALL BE REMOVED AND REPLACED WITH SUITABLE SOILS. TOPSOIL AND ACCEPTABLE ORDINARY FILL MATERIALS TO BE USED BEYOND BUILDING FOUNDATION SHALL BE STOCKPILED OUTSIDE PROJECT LIMITS.
 - EMBANKMENT:** APPROVED STRUCTURAL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY DETERMINED BY STANDARD PROCTOR (ASTM D1557).
 - VAPOR BARRIER:** SHALL BE OF MINIMUM 10 MIL POLYETHYLENE SHEETING INSTALLED AS NOTED WITH FULLY TAPED JOINTS (MINIMUM 12" LAPS) WITH ALL DUE PRECAUTIONS TO AVOID PUNCTURES. ALL PUNCTURES ARE TO BE REPAIRED TO THE APPROVAL OF THE PROJECT ENGINEER.
 - GRANULAR FILL MATERIAL:** SHALL BE "NON-PLASTIC EMBANKMENT-SAND" IN CONFORMANCE WITH LSSRB26 SECTION 1003.02.
 - CAST-IN-PLACE CONCRETE:** SHALL ACHIEVE 4,000 PSI AVERAGE COMPRESSIVE STRENGTH BY 28-DAY CURE. MIX DESIGN SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR APPROVAL AT LEAST 7 DAYS PRIOR TO CASTING AND SHALL HAVE A WATER-CEMENT RATIO OF NO GREATER THAN 0.40. CONCRETE SHALL BE MOIST CURED AND SMOOTH TROWEL FINISHED AND/OR AS SPECIFIED BY THE OWNER.
 - CONCRETE REINFORCEMENT:** SHALL BE DEFORMED REINFORCEMENT AND WELDED WIRE FABRIC. DEFORMED REINFORCEMENT SHALL BE OF 60KSI MINIMUM YIELD STRENGTH STEEL IN CONFORMANCE WITH ASTM A615, GRADE 60 CRITERIA. WELDED WIRE FABRIC SHALL BE OF ASTM A 185 CONFORMANCE, OF MINIMUM 6X6-W6XW6 WWF FOR THE FOUNDATION SLAB, PROVIDED IN SHEETS, AND SET ON CHAIR SUPPORTS TO PROVIDE 2" CLEARANCE BELOW FINISHED SLAB SURFACE.
 - GROUT:** SET BENEATH BASE PLATES SHALL BE OF NON-SHRINK NON-METALLIC COMPOSITION, SELECTED FROM LADOTD APPROVED MATERIALS LIST, AND PLACED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - STRUCTURAL METALWORK:** REFERENCE METAL BUILDING MANUFACTURER DETAILS FOR ANCHOR BOLT TYPE, SIZES, AND LOCATIONS. ANCHOR BOLTS SHALL BE IN CONFORMANCE WITH ASTM F1554 (GRADE 36) AND PLATES OF ASTM A36. ALL EMBEDMENTS SHALL BE GALVANIZED IN CONFORMANCE WITH ASTM A123.
 - GRADING & DRAINAGE:** THE SITE SHALL BE GRADED TO DRAIN BOTH DURING CONSTRUCTION AND IN FINAL CONDITION. FINISHED GRADE ALONG THE BUILDING PERIMETER SHALL BE TO MINIMUM ELEVATION 75.21 AND MINIMUM 6 INCHES BELOW FINISHED FLOOR ELEVATION. FINISH GRADING FOR UNSURFACED AREAS SHALL INCLUDE AN EMBANKMENT APRON WITHIN 10 FT OF THE BUILDING PERIMETER GRADED AWAY FROM THE FOUNDATION AT MAXIMUM 10:1 SLOPE.

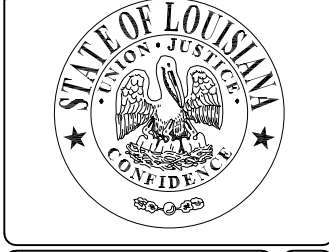
LEGEND:
 xxx FIN. FLOOR ELEVATION
 [] BASE PLATE & A. BOLT ASS'Y

* COORDINATE DOORWAY OPENINGS W/ BUILDING INSTALLATIONS.

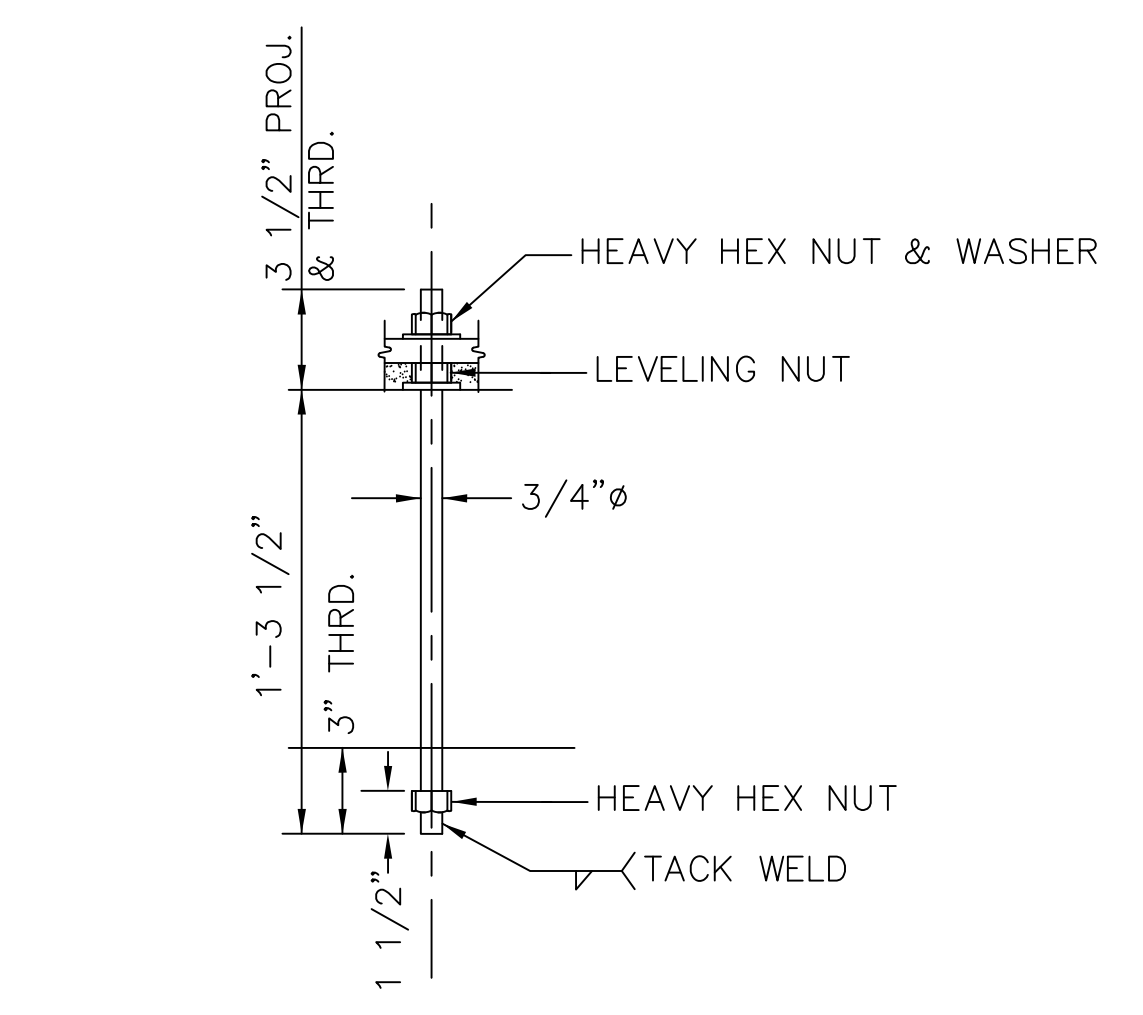
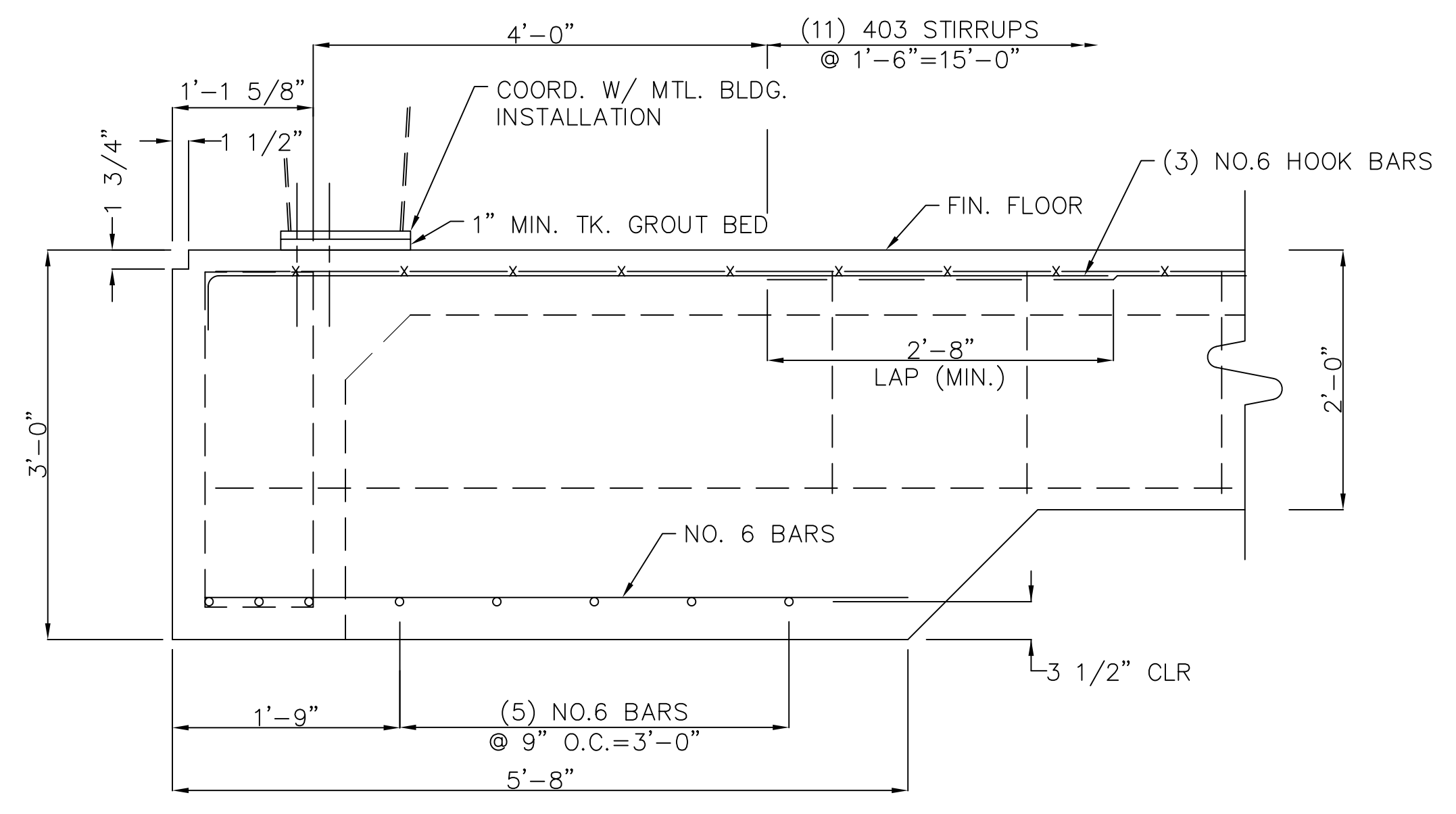
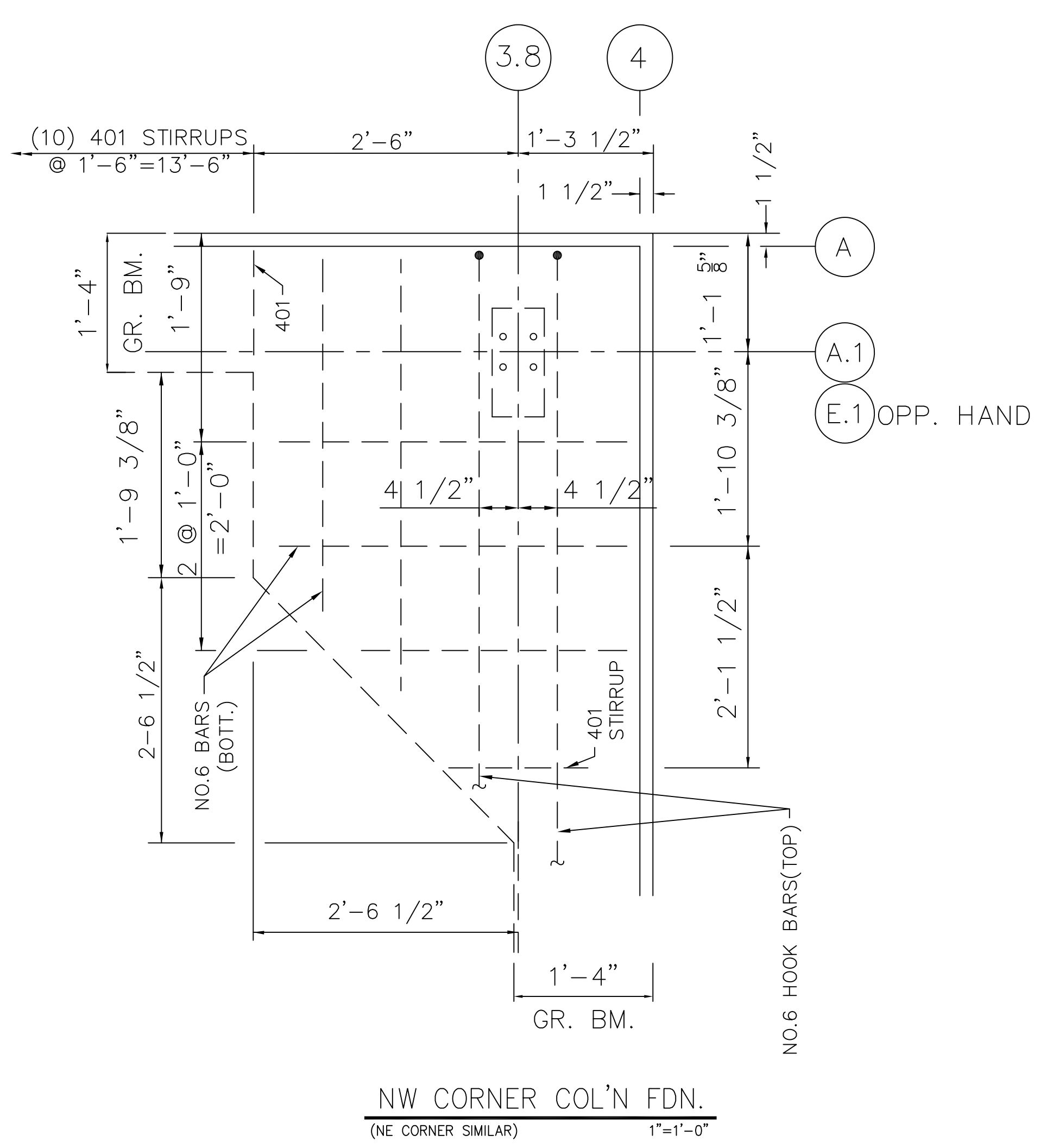
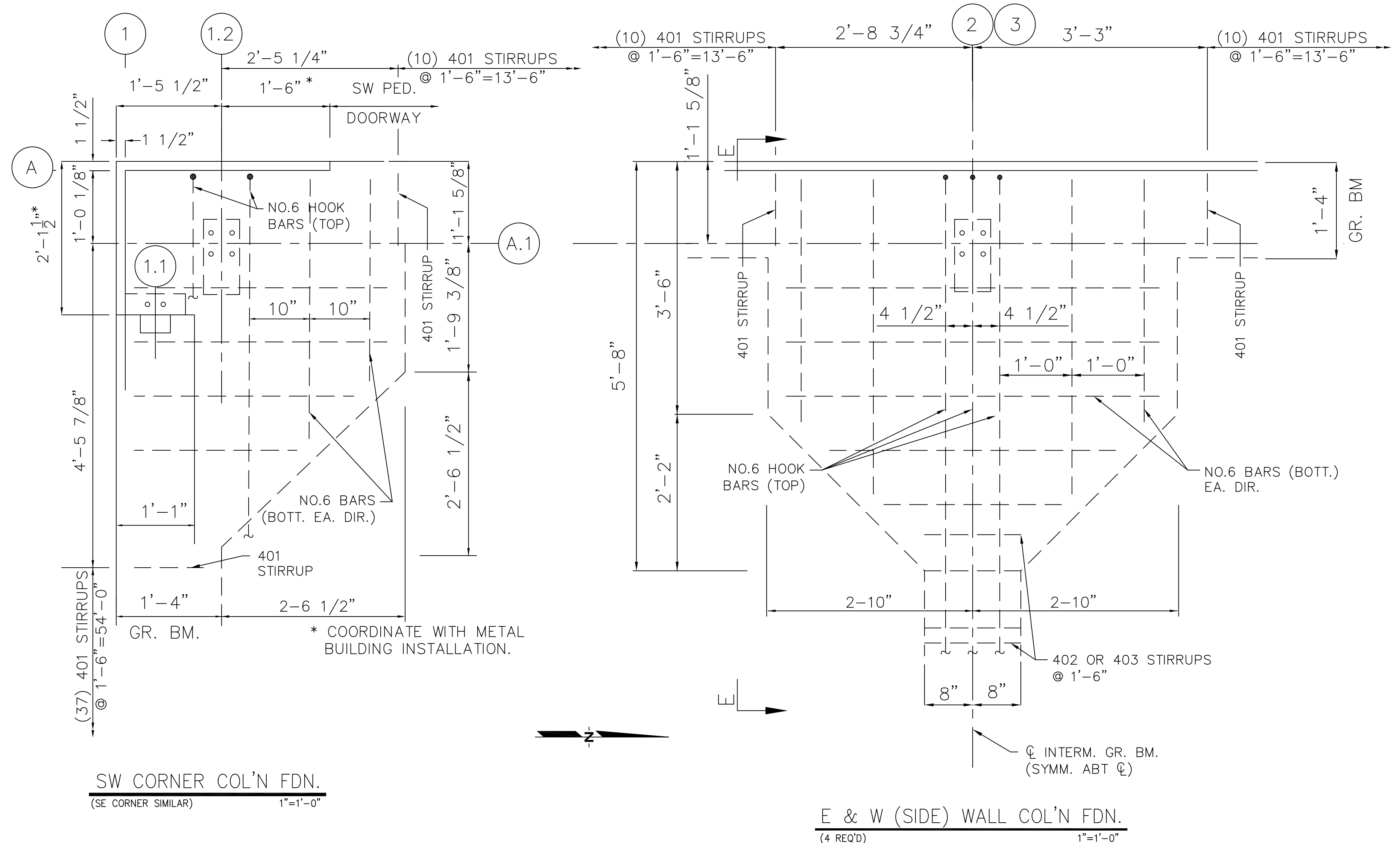
FOUNDATION PLAN
 1/4"=1'-0"

SHEET NUMBER		S-1	
AVOYELLES		3-22-0031-024-2025	
PARISH	CONTROL SECTION	STATE PROJECT	
BPG	NL	BPG	APRIL 2026
DESIGN CHECK	DETAIL CHECK	REVIEW	
4-21-2026			
NO.		DATE	BY
REVISION OR CHANGE ORDER DESCRIPTION			
FOUNDATION PLAN & NOTES			
MARKSVILLE AIRPORT HANGAR DEVELOPMENT			

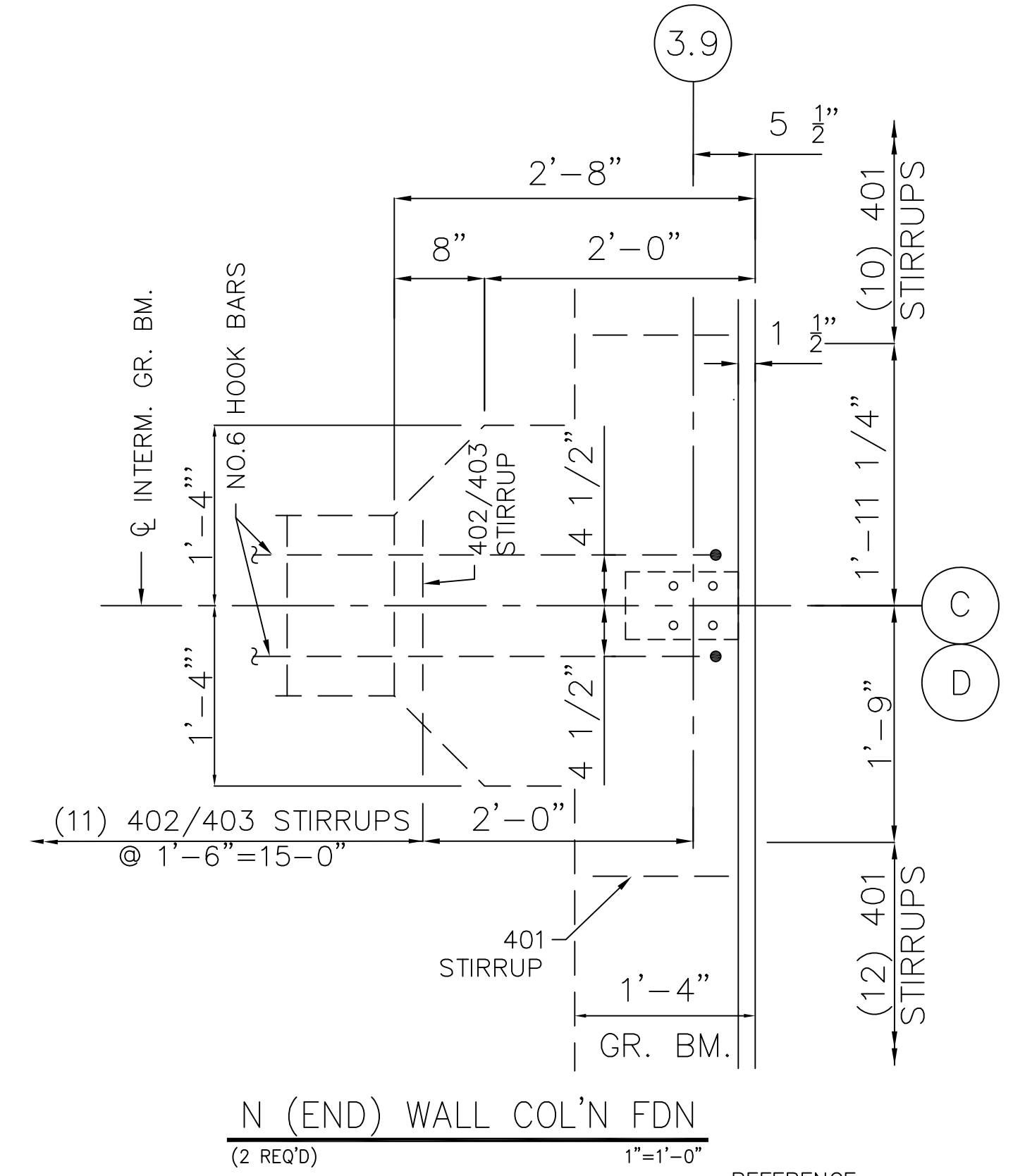
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY



SECTIONS & DETAILS
 MARKSVILLE AIRPORT HANGAR DEVELOPMENT

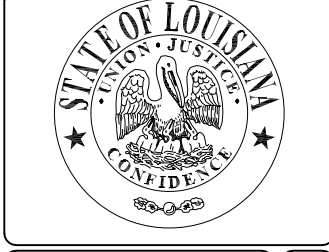


NOTE: (4) 5/8" φ SIMILAR A. BOLTS (2 PROJ, 12" EMBED) @ SO. COLUMNS B & E.

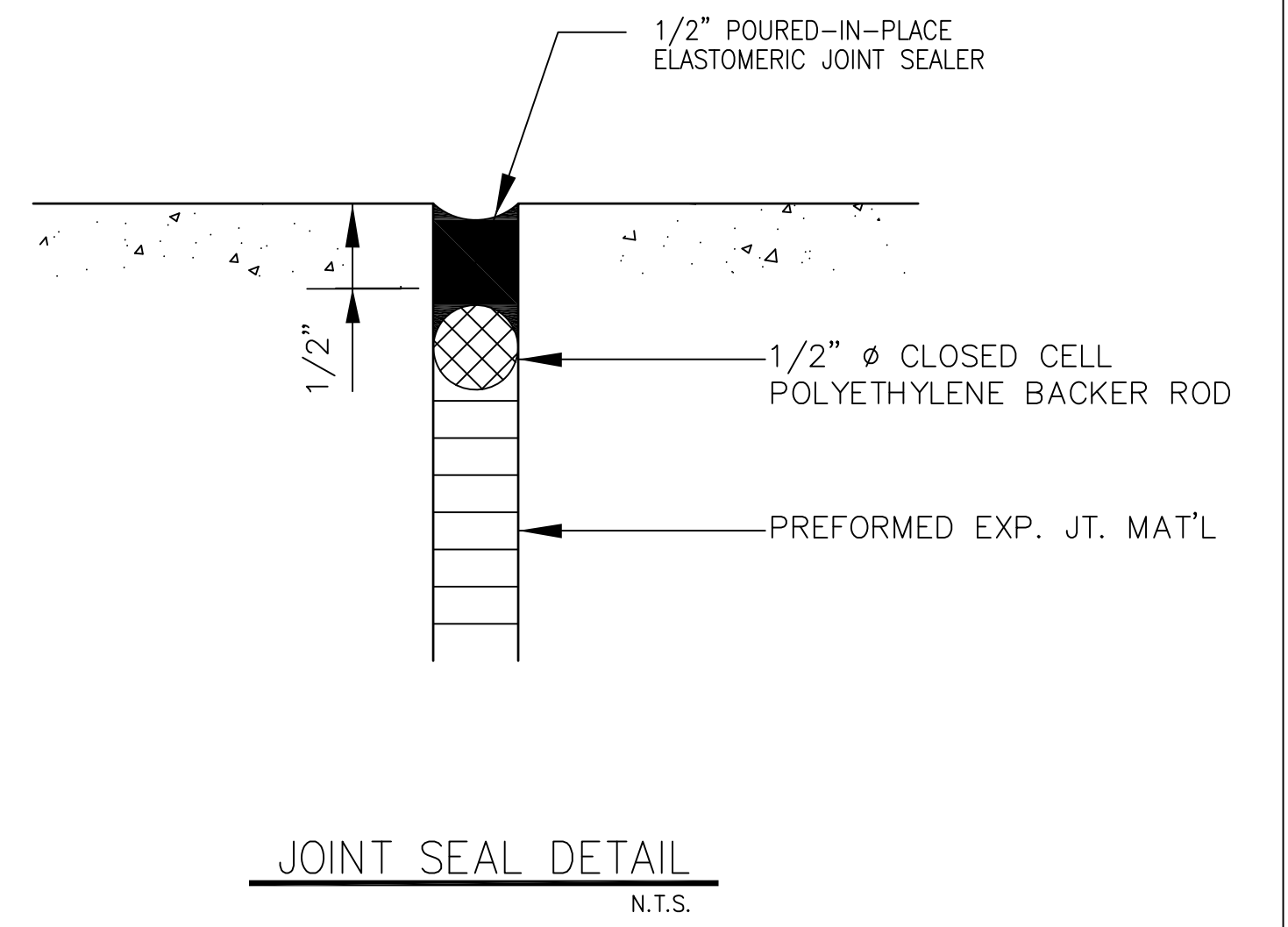
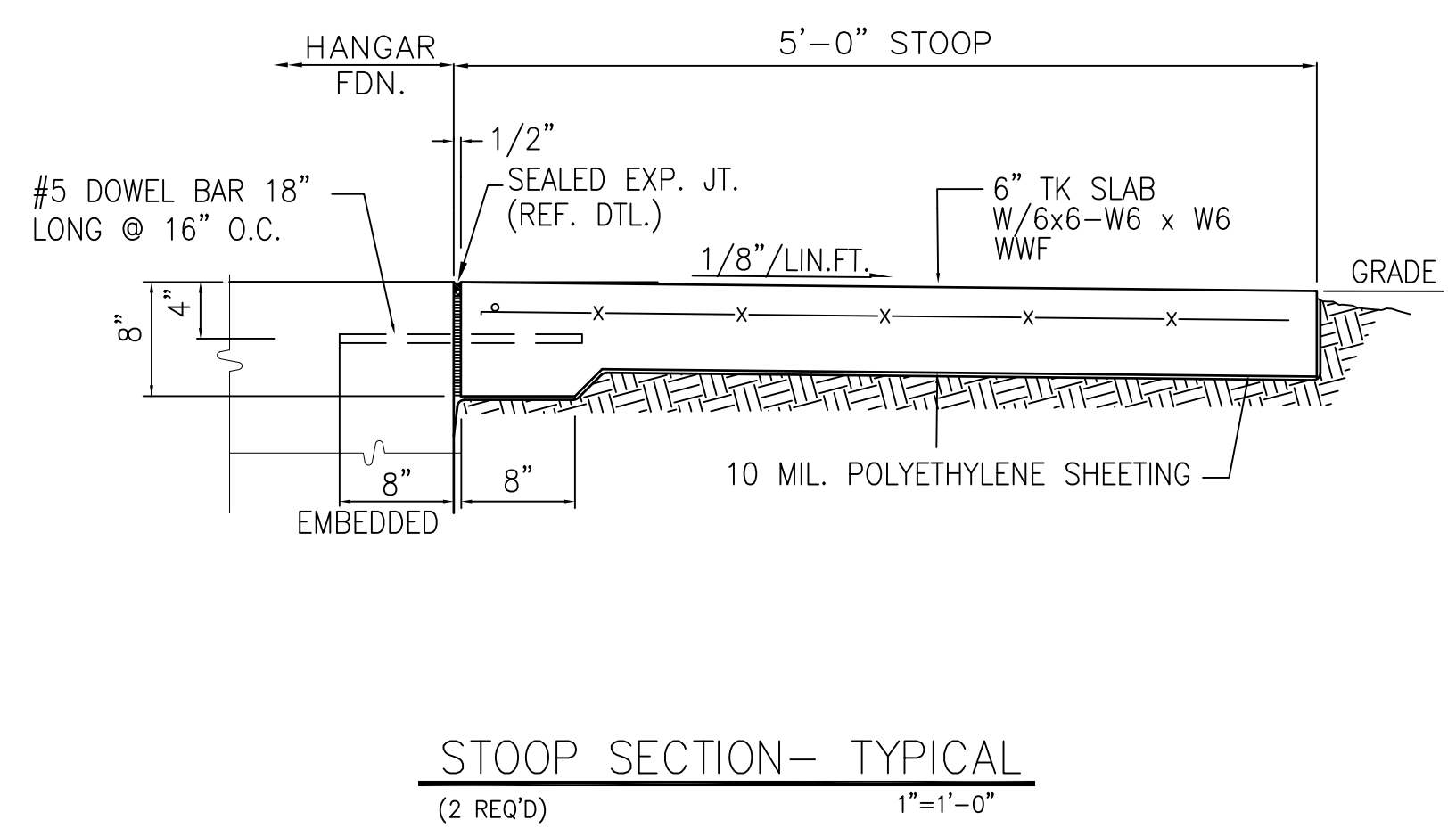
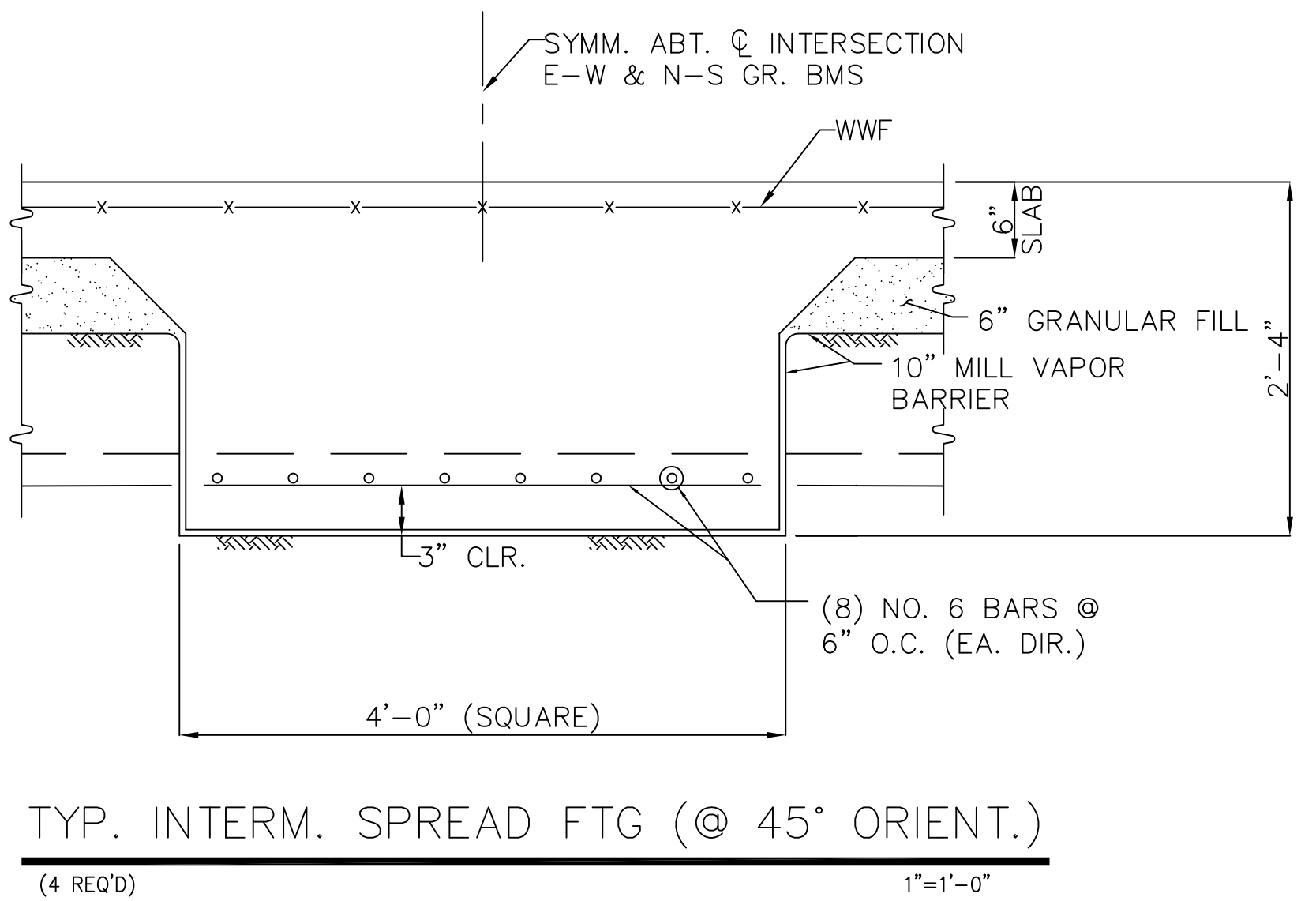
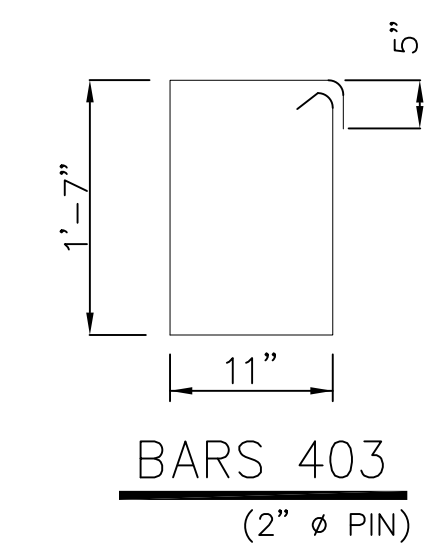
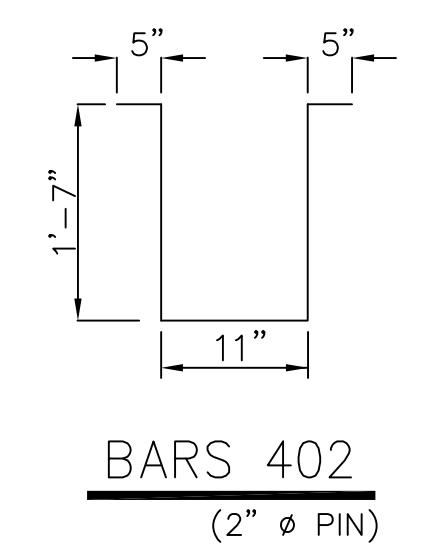
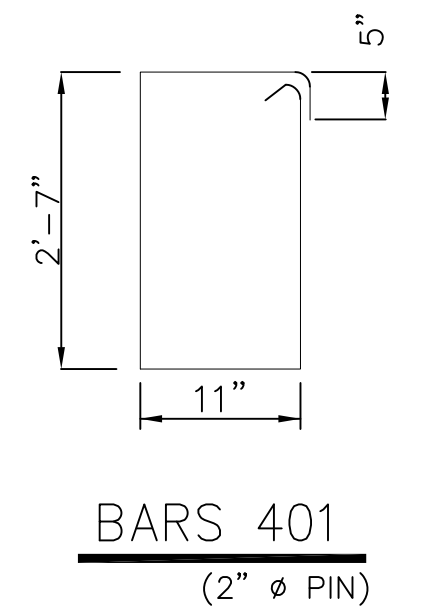
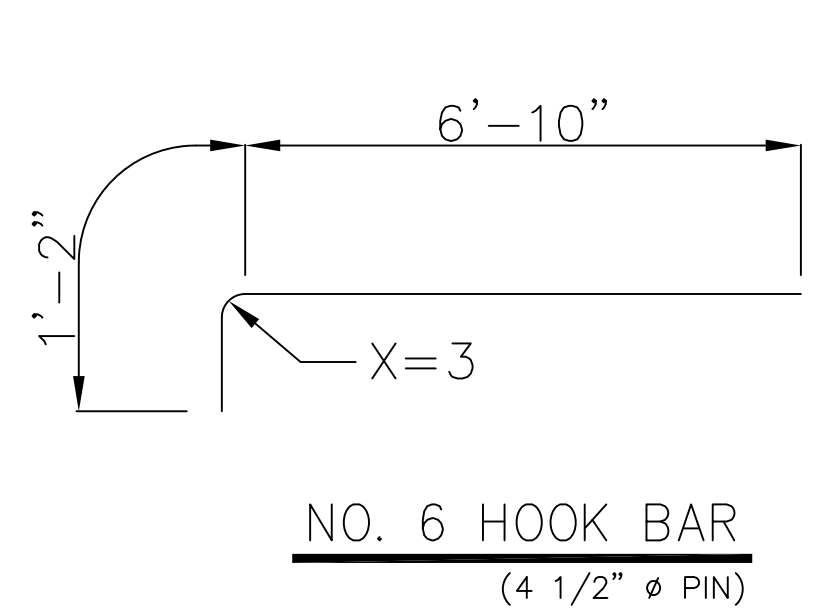
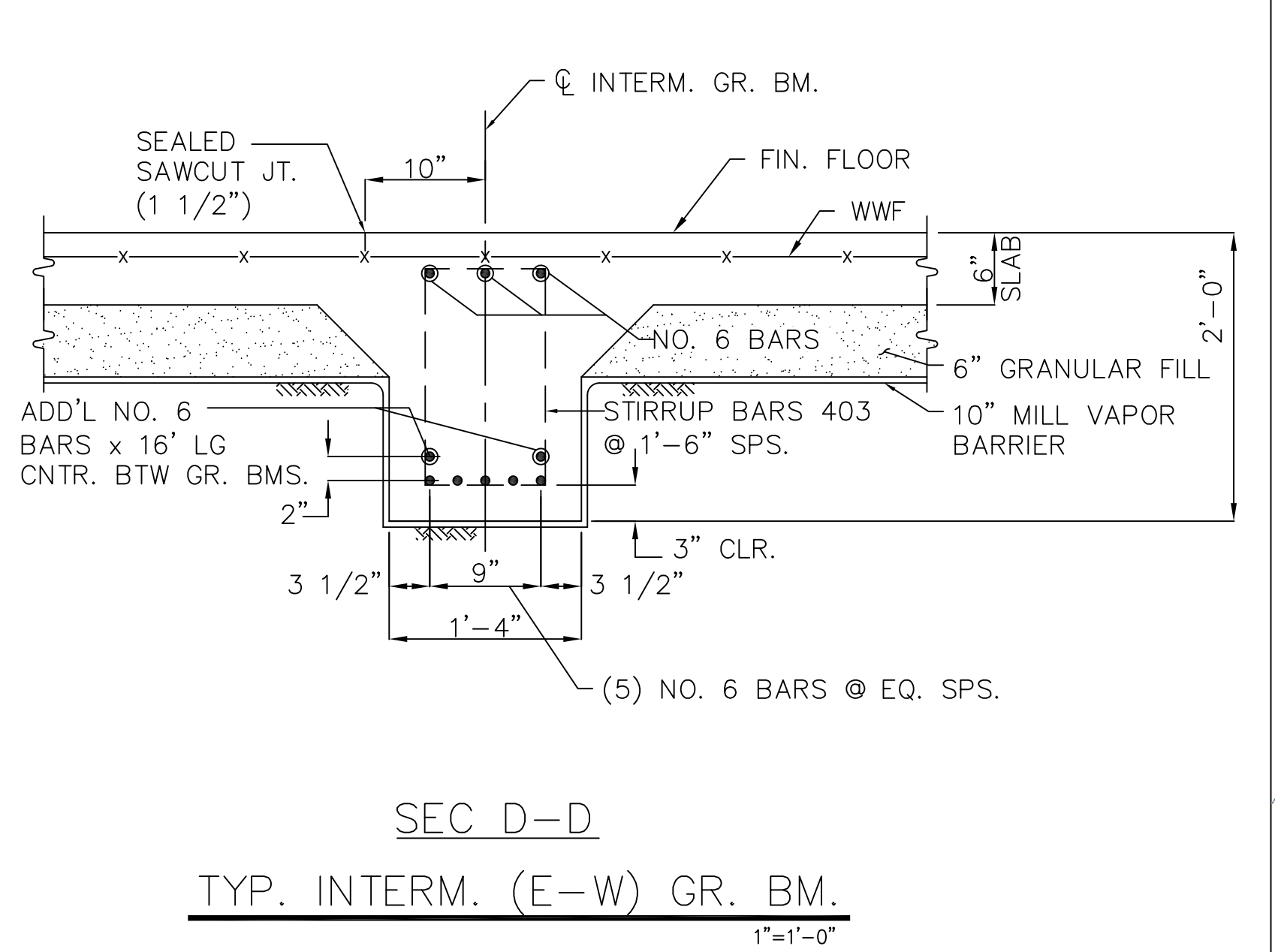
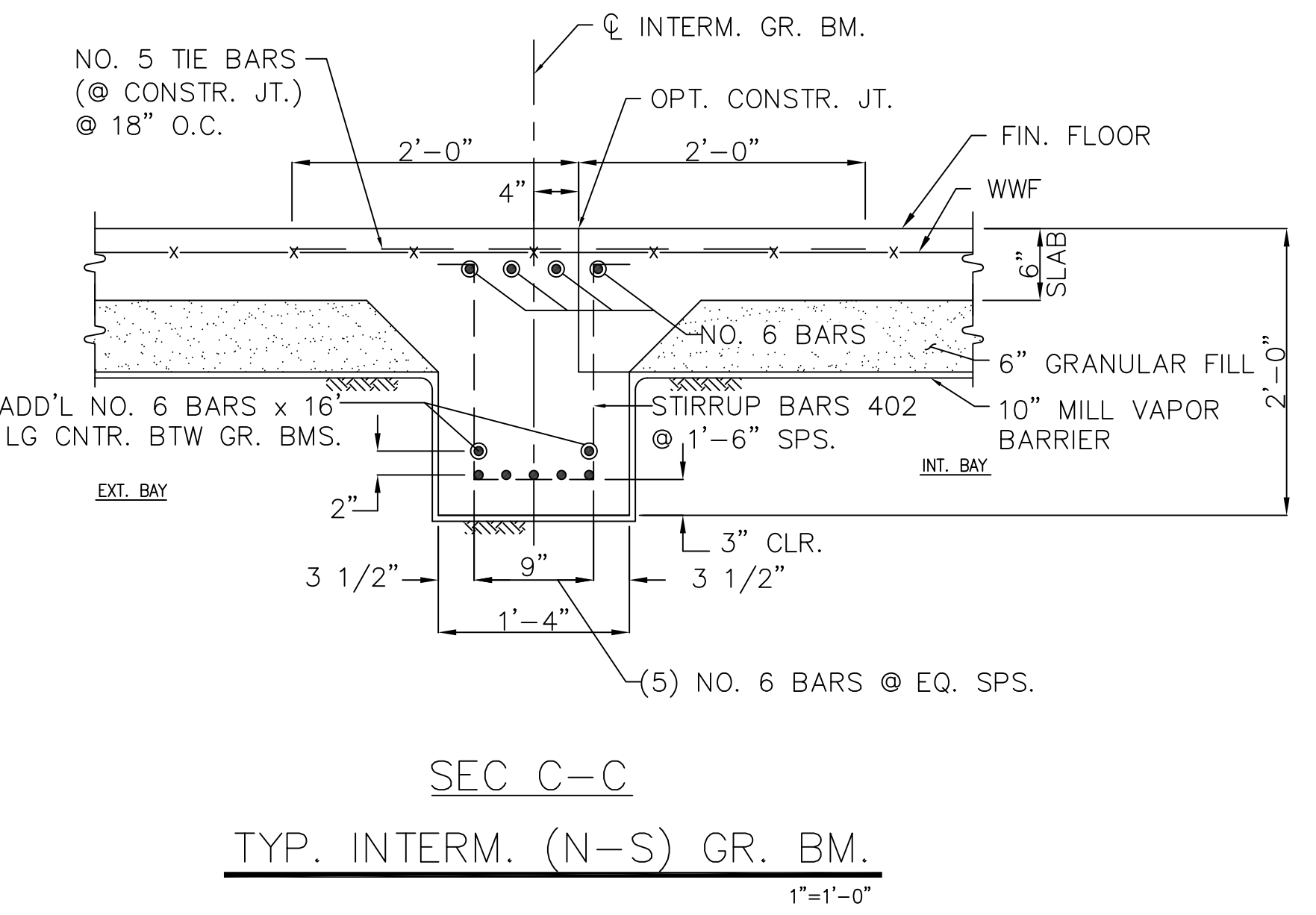
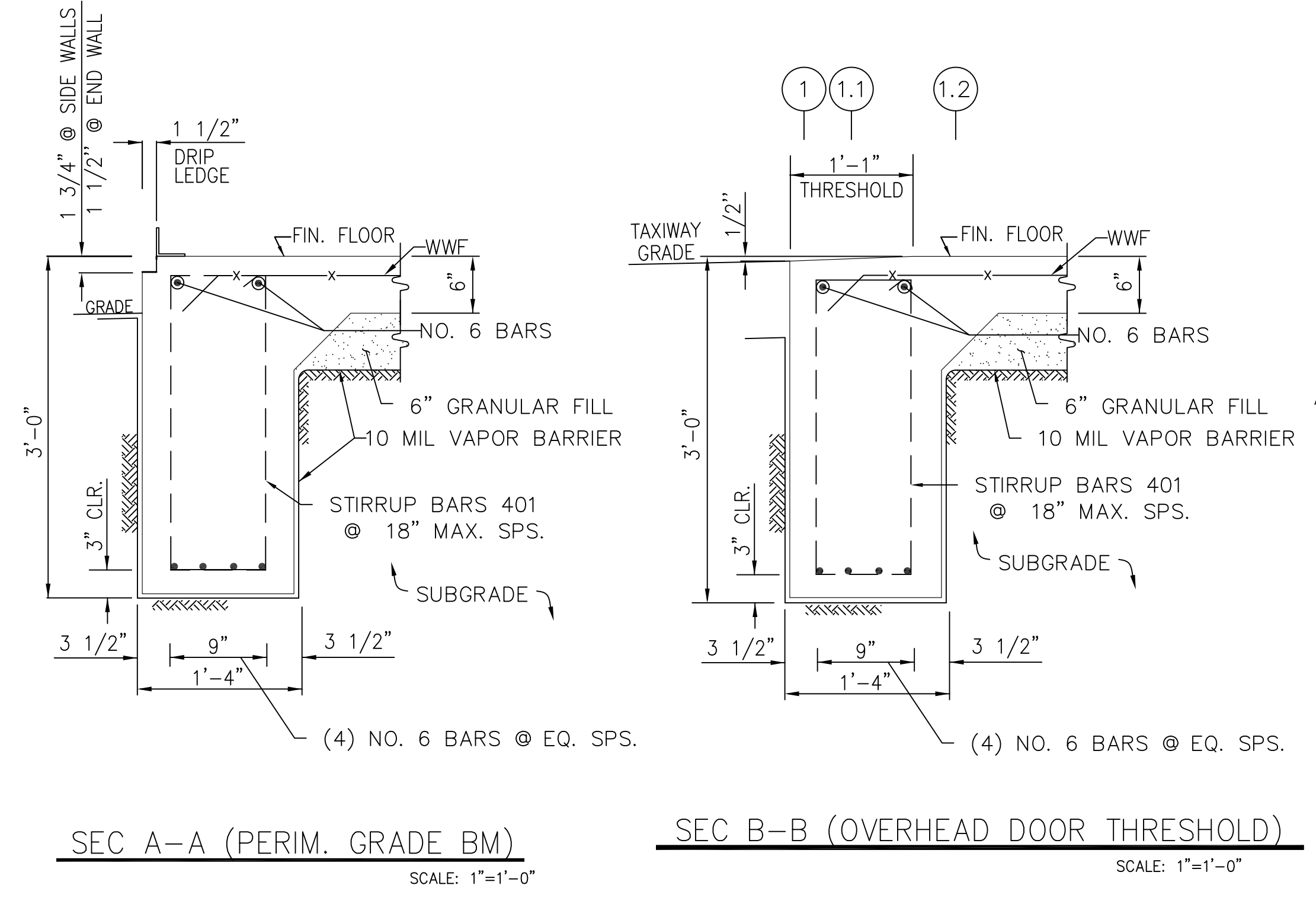


REFERENCE:
 DWG A1 FOR FLOOR PLAN & PENETRATIONS
 DWG S-3 FOR ADD'L SECTIONS AND DETAILS

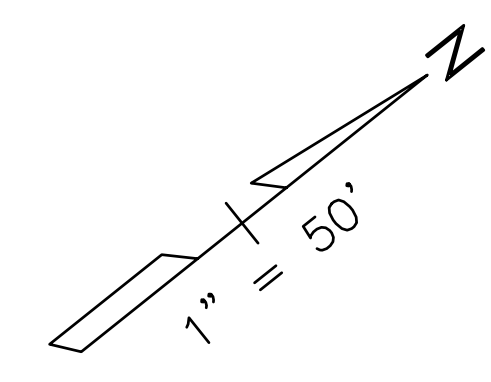
NO.	DATE	REVISION OR CHANGE	ORDER DESCRIPTION	BY



SECTIONS & DETAILS
 MARKSVILLE AIRPORT HANGAR DEVELOPMENT



DWG PATH: S:\A\AVOYELLES\22600022.004 Hangar Development\020_Design\CAD
 DWG NAME: 02-MECHANICAL_LAYOUT TAB: M2 DATE of PLOT: Thursday, May 07, 2026 @ 8:00am



NOTES:

1. THE CONTRACTOR SHALL COORDINATE THE WATER LINE SERVICE TIE IN WITH THE AVOYELLES WARD 3 WATER DISTRICT. PHONE (318) 253 - 8715
2. ALL WATER LINES SHALL BE TESTED UNDER 100PSIG HYDROSTATIC PRESSURE FOR TWO (2) HOURS BEFORE CONCEALING.
3. IF ANY DEFECTS ARE FOUND, THEY SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AND THE WORK SHALL BE RETESTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
4. EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND BASED ON VISUAL DATA FROM HISTORICAL AERIAL PHOTOGRAPHY. NO ATTEMPT TO LOCATE OR CONFIRM THESE UTILITY LOCATIONS



SHEET NUMBER	M2	PARISH	AVOYELLES	CONTROL SECTION	3-22-0031-024-2025	STATE PROJECT																																													
DESIGN CHECK	MPF	GWB	DRW	DRW	DRW	REVIEW	MARCH 2026																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION OR CHANGE ORDER DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>								NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY																																								
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY																																																
PLUMBING PLAN AND DETAILS				MARKSVILLE AIRPORT HANGAR DEVELOPMENT																																															

ELECTRICAL SYMBOL LEGEND

(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

GENERAL

1	KEYNOTE
A-1,3	CIRCUIT TAG, PANEL AND CIRCUIT DESIGNATION AS INDICATED; E.G. PANEL 'A', CIRCUIT #1,3

WIRE, CONDUIT, AND RACEWAY

	ABOVE-SLAB CONDUIT & WIRE/CABLING
	BELOW-SLAB CONDUIT & WIRE/CABLING; 3/4" MINIMUM CONDUIT SIZE UON
	HOMERUN TO PANEL; TICK MARKS INDICATED NUMBER OF WIRES

DISTRIBUTION

	PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT AS NOTED; INSTALL WITH SUFFICIENT WORKING SPACE AND CLEARANCES TO MEET ALL REQUIREMENTS OF NEC SECTION 110.26.
--	---

	GENERATOR REMOTE ANNUNCIATOR PANEL; PROVIDE CONDUIT/CABLING TO GENERATOR AS REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.
--	---

EQUIPMENT CONNECTIONS
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

	FUSED SAFETY DISCONNECT SWITCH; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED WITH 36" MINIMUM CLEAR WORKING SPACE IN FRONT OF THE SWITCH; DO NOT MOUNT DIRECTLY TO EQUIPMENT
	JUNCTION BOX
	JUNCTION BOX FOR MOTORIZED DAMPER
	MOTOR RATED SWITCH WITH THERMAL OVERLOAD; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED; DO NOT MOUNT DIRECTLY TO EQUIPMENT; WHEN LOCATED ABOVE CEILING, MOUNT TO STRUCTURAL MEMBER NEARBY
	ELECTRICAL MOTOR, HORSEPOWER AS NOTED

POWER DEVICES
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING; SUBSCRIPT (WHEN USED): CR - CORD REEL
	ABOVE-COUNTER DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)
	GFCI DUPLEX RECEPTACLE
	ABOVE-COUNTER GFCI DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)
	QUADPLEX RECEPTACLE
	ABOVE-COUNTER QUADPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)
	SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH THE MANUFACTURER OF THE EQUIPMENT SERVED
	VOICE/DATA-POWER FLUSH FLOOR BOX
	DUPLEX RECEPTACLE FLUSH FLOOR BOX
	QUADPLEX RECEPTACLE FLUSH FLOOR BOX
	RECEPTACLE SWITCHING; EDGE SHADING INDICATES: NONE - DEVICE NOT SWITCHED LEFT - BOTTOM (DUPLEX) OR LEFT TWO (QUAD) SWITCHED RIGHT - TOP (DUPLEX) OR RIGHT TWO (QUAD) SWITCHED

PUBLIC ADDRESS
(PROVIDE 3/4" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

	PA SYSTEM SPEAKER
	PA SYSTEM SPEAKER VOLUME CONTROL
	PA SYSTEM SPEAKER MOUNT CALL-IN SWITCH

ABBREVIATIONS

A	AMPERE(S)	CATV	CABLE TELEVISION
AC	ABOVE COUNTER (6" ABOVE BACKSPASH)	CB	CIRCUIT BREAKER
AF	AMPERE(S) FUSED	CKT	CIRCUIT
AFCI	ARC FAULT CIRCUIT INTERRUPTER	CLG	CLG
AFF	ABOVE FINISHED FLOOR	CORR	CORRIDOR
AFG	ABOVE FINISHED GRADE	CT	CURRENT TRANSFORMER
AIC	AMP SYMMETRICAL INTERRUPTING CAPACITY RMS	CTRL	CONTROLLER
AT	AMPERE(S) TRIP	D	TO BE DEMOLISHED
AWG	AMERICAN WIRE GAUGE	DISC.	DISCONNECT
BG	BELOW GRADE	DIST.	DISTRIBUTION
BLDG	BUILDING	DWG	DRAWING
BKR	BREAKER	E	EXISTING TO REMAIN
C	CONDUIT	EC	EMPTY CONDUIT
CAT	CATEGORY	ECB	ENCLOSED CIRCUIT BREAKER

TELECOMMUNICATIONS
(JACKET COLORS TO BE PER THE OWNER'S STANDARDS IF APPLICABLE)

	TELECOM TERMINAL BOARD; 0'-1" THICK AC INDOOR GRADE; FIRE RETARDANT PLYWOOD, PAINTED AS SPECIFIED BY THE ARCHITECT OR OWNER
	DUPLEX DATA OUTLET; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, TWO (2) BLUE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED ABOVE COUNTER
	DATA/VOICE OUTLET; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE AND ONE (1) WHITE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	VOICE OUTLET; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) WHITE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	DUPLEX DATA FLUSH FLOOR BOX; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD

WAP

WIRELESS ACCESS POINT (BY OWNER); PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE ACCESS POINT LOCATION TO THE TELECOM TERMINAL BOARD

LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL TV WALL BOX WITH ONE DUPLEX RECEPTACLE, ONE DUPLEX DATA OUTLET, ONE COAX OUTLET, AND ONE SPARE GANG; PROVIDE 1" TWO (2) BLUE CAT 6 CABLES AND 1" ONE (1) CATV CABLE FROM THE BOX TO THE TELECOM TERMINAL BOARD; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.

LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL COMBO RECESSED FLOOR BOX WITH TWO (2) DUPLEX RECEPTACLES, FOUR (4) DATA OUTLETS (UNDER A SINGLE PLATE), AND SPEAKER CONNECTIONS; PROVIDE 1-1/4" TO AN ACCESSIBLE LOCATION ABOVE CEILING, FOUR (4) BLUE CAT 6 CABLES FROM THE BOX TO THE TELECOM TERMINAL BOARD; ROUTE 1" EC WITH PULL STRING FROM THE BOX TO THE TV WALL BOX IN THE SAME ROOM FOR SPEAKER CABLING; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.

LIGHTING
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND PER THE MANUFACTURER'S SPECIFICATIONS FOR CONTROLS)

	LIGHT FIXTURE; UPPERCASE LETTER(S) INDICATE FIXTURE TYPE; LOWERCASE LETTER(S) INDICATE ASSOCIATED CONTROLS ID; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTIONS AND MOUNTING TYPES
	EXIT LIGHT FIXTURE; ARROWS (IF USED) INDICATE DIRECTION; FILLED IN QUADRANT(S) INDICATE NUMBER AND ORIENTATION OF ILLUMINATED FACES; LETTER(S) INDICATE FIXTURE TYPE; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTIONS AND MOUNTING TYPES

CEILING MOUNTED OCCUPANCY SENSOR WITH 360° COVERAGE; LOCATE AND INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED BY THE OWNER

CEILING MOUNTED DAYLIGHT HARVESTING SENSOR, LOCATED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED PER CODE

CEILING MOUNTED OCCUPANCY SENSOR, AS ABOVE, CONFIGURED FOR VACANCY OPERATION

PHOTOELECTRIC CELL, EXTERIOR RATED; AIM AND SHIELD SENSOR FROM INTERIOR AND EXTERIOR ARTIFICIAL LIGHT SOURCES

SWITCH; SUBSCRIPT (WHEN USED):
NONE - SINGLE POLE TOGGLE SWITCH
3 - THREE-WAY SWITCH
D - LINEAR SLIDE DIMMER SWITCH
3D - THREE-WAY LINEAR SLIDE DIMMER SWITCH
O - WALL MOUNTED OCCUPANCY SENSOR
3O - THREE-WAY SWITCH WITH OCCUPANCY SENSOR
a,b,c etc. - SWITCH ID

FIRE ALARM
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND CONDUIT AND CABLING PER THE MANUFACTURER'S SPECIFICATIONS)

	FIRE ALARM CONTROL PANEL
	FIRE ALARM SYSTEM PULL STATION
	FIRE ALARM SYSTEM STROBE
	FIRE ALARM SYSTEM CHIME/STROBE
	FIRE ALARM SYSTEM HORN/STROBE
	FIRE ALARM SYSTEM SPEAKER/STROBE
	FIRE ALARM SYSTEM CEILING MOUNT STROBE
	FIRE ALARM SYSTEM CEILING MOUNT HORN/STROBE
	FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/STROBE
	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR
	FIRE ALARM SYSTEM THERMAL DETECTOR
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR
	FIRE ALARM SYSTEM SMOKE DETECTOR

SECURITY (EQUIPMENT PROVIDED BY OWNER/OTHERS)
(EQUIPMENT PROVIDED BY OTHERS)

	JUNCTION BOX FOR KEYPAD; INSTALL 48" AFF AND PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR DOOR CONTACT (MAGNETIC LOCK); PROVIDE 3/4" EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR CARD READER; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR ELECTRIC STRIKE LOCK; PROVIDE 3/4" EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR DOOR OPERATOR; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING NEAR THE CONTROLLED DOOR
	JUNCTION BOX FOR MOTION DETECTOR; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR CEILING MOUNTED CAMERA; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR WALL MOUNTED CAMERA; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING

SOUND
(PROVIDE 1" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

	FLOOR MOUNTED MICROPHONE OUTLET
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER

HEALTH CARE
(PROVIDE 1" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

	DOCTOR'S DICTATION
	NURSE CALL SYSTEM EMERGENCY CALL-IN STATION
	NURSE CALL SYSTEM BEDSIDE PATIENT STATION
	NURSE CALL SYSTEM STAFF STATION
	NURSE CALL SYSTEM CORRIDOR DOME LIGHT
	NURSE CALL SYSTEM CODE BLUE STATION

ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE AHJ.
- THE WORDS "PROVIDE" AND "PROVIDED" AS USED HEREIN SHALL BE UNDERSTOOD TO MEAN, "PROVIDE COMPLETE IN PLACE," THAT IS "FURNISH AND INSTALL." EQUIPMENT AND MATERIAL INDICATED TO BE PROVIDED SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE OF THE MOST SUITABLE GRADE FOR THE PURPOSE INTENDED.
- ROUTE NEW CONDUIT AND WIRING CONCEALED IN WALLS AND CEILING WHERE POSSIBLE. COORDINATE INSTALLATION OF EXPOSED CONDUIT AND WIRING WITH THE ARCHITECT.
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO THE NEW HVAC UNITS AS FURNISHED BY THE MECHANICAL CONTRACTOR. VERIFY THE EXACT ELECTRICAL REQUIREMENTS WITH THE REVISED HVAC SUBMITTALS PRIOR TO ORDERING ELECTRICAL EQUIPMENT.
- BEFORE INSTALLATION, CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, SUPPORTS, ETC.
- CONTRACTOR IS RESPONSIBLE FOR OVER-CURRENT PROTECTIVE DEVICE SHORT CIRCUIT, COORDINATION, AND ARC-FLASH STUDIES.
- MATERIALS AND MANUFACTURERS NOTED ON DRAWINGS ARE TO BE USED AS BASIS OF DESIGN TO ESTABLISH QUALITY AND PERFORMANCE STANDARDS AND SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE CONSIDERED WHERE SUFFICIENT PRODUCT INFORMATION IS PROVIDED TO MAKE A PROPER EVALUATION. REVIEW OF A SUBSTITUTION IS AT THE SOLE DISCRETION OF THE PROFESSIONAL.
- THE CONTRACTOR SHALL SUBMIT COPIES OF THE PRODUCT DATA, SHOP DRAWINGS, ETC. OF ALL MATERIALS NOTED ON THE DRAWINGS. ALL SUBMITTED PRODUCT DATA, SHOP DRAWINGS, ETC. SHALL BE MARKED WITH THE NAME OF THE PROJECT AND SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE MATERIAL HAS BEEN CHECKED BY THE CONTRACTOR.
- DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR COMPLETE INFORMATION PRIOR TO BID.
- WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS, AND EQUIPMENT SCHEDULES, THE MOST STRINGENT REQUIREMENT OR QUANTITY SHALL APPLY. NOTIFY THE ARCHITECT/ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.
- NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN" AND "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT. EXTEND TO QUANTITIES OR DIMENSIONS, IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR OPERATE SATISFACTORILY, THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER REVIEWED ITEMS.
- OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
- COORDINATE INSTALLATION OF NEW ITEMS AND EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH THE RELOCATION OF EQUIPMENT CONFLICTING WITH NEW WORK BY OTHER TRADES THAT HAS NOT BEEN COORDINATED.
- COORDINATE ALL ASPECTS OF NEW SERVICE WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
- WARNING TAPE SHALL BE INSTALLED 12 TO 18 INCHES BELOW GRADE OVER ALL CONDUITS.
- PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
- FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (3R) CONDUIT BENDS.
- ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELBS AND RISERS.
- PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.
- SET SCREW CONDUIT FITTINGS SHALL NOT BE PERMITTED.

LIGHTING GENERAL NOTES

- VERIFY THE EXACT LOCATION OF ALL LIGHTING SWITCHES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS WITH THE MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION FOR MAXIMUM PERFORMANCE.
- EMERGENCY FIXTURES AND EXIT FIXTURES SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT. BRANCH CIRCUIT WIRING TO EXIT FIXTURES AND TO BATTERY INVERTERS WITHIN FIXTURES WITH INTEGRAL BATTERY UNITS SHALL BE UNSWITCHED, CONNECTED AHEAD OF ANY CONTROL SWITCHING.
- WALL MOUNT TYPE "2" FIXTURES ABOVE DOOR AS SHOWN ON DRAWINGS. COORDINATE WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- MOUNT TYPE "EM" FIXTURES 8'-0" AFF UNLESS OTHERWISE NOTED.
- VERIFY THE CEILING TYPES FOR ALL LIGHT FIXTURES TO BE FLUSH MOUNTED OR SUSPENDED AND ADJUST FIXTURE MOUNTING TYPES IN ACCORDANCE WITH THE CEILING TYPE, AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE.
- ALL VANITY FIXTURES SHALL BE MOUNTED WITH 0'-3" OF SPACE BETWEEN THE BOTTOM OF THE FIXTURE AND THE TOP OF THE MIRROR UNLESS OTHERWISE NOTED.
- VERIFY THE EXACT MOUNTING LOCATION FOR ANY PHOTOELECTRIC CELLS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- ALL PHOTOELECTRIC CELLS MUST FACE NORTH.
- CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL DEVICES/SWITCHES/DIMMERS WITH LIGHTING FIXTURES AND BALLASTS/DRIVERS PRIOR TO SUBMITTAL.
- COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL ROOMS WITH DIVISION 1523 PLANNED EQUIPMENT LOCATION AND DUCT INSTALLATION. WALL MOUNT LIGHTS OR PROVIDE PENDANT MOUNTING AS REQUIRED TO ILLUMINATE THE SPACE.
- WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN THE SAME AREA, MOTION DETECTION BY ONE SENSOR SHALL ILLUMINATE ALL LIGHTING IN THE RESPECTIVE AREA.

TELECOMMUNICATIONS GENERAL NOTES

- PROVIDE 1" CONDUIT AND TWO (2) CAT 6 CABLES AT EACH DATA OUTLET SHOWN. ROUTE TO ABOVE CEILING AND ROUTE TO TELEPHONE BACKBOARD IN IT ROOM. TERMINATE AND CONNECT STATION CABLES TO PATCH PANEL, FOLLOWING THE OWNER'S LABELING CONVENTIONS FOR ALL HORIZONTAL CABLING.
- OWNER SHALL PROVIDE THE WALL MOUNT DATA RACK, ALL ITEMS INCLUDED IN THE DATA RACK, AND ANY NECESSARY TELEPHONE EQUIPMENT.
- PLYWOOD FOR BACKBOARDS SHALL BE 0'-1" AC INDOOR GRADE, FIRE RETARDANT, AND PAINTED AS SPECIFIED. COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUNDING CONDUCTORS SHALL BE, AT MINIMUM, #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.
- SUBMIT DIGITAL PHOTOGRAPHS OF ALL TERMINATIONS TO MAIN ELECTRICAL SERVICE GROUNDING MEANS.
- ALL BACKBOARDS SHALL BE EQUIPPED WITH D-RINGS SPACED AT 1'-0" APART AROUND ALL EDGES OF THE PLYWOOD TO SUPPORT CABLE AND WIRE.
- CAT 6 CABLES FOR DATA OUTLETS SHALL HAVE BLUE JACKETS AND CAT 6 CABLES FOR VOICE OUTLETS SHALL HAVE WHITE JACKETS.

SPECIAL SYSTEMS GENERAL NOTES

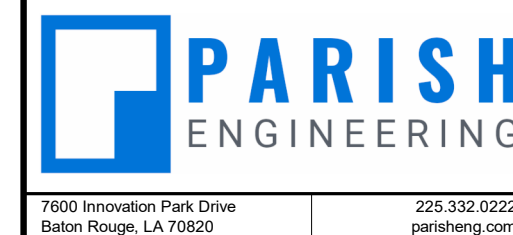
- VERIFY EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR.
- INTERCONNECT THE HOOD EXHAUST AND SUPPLY FANS WITH HOOD EXTINGUISHING SYSTEM SUCH THAT WHEN HOOD EXTINGUISHING SYSTEM IS ACTIVATED, THE EQUIPMENT BELOW THE HOOD AND HOOD SUPPLY FAN ARE DE-ENERGIZED AND THE HOOD EXHAUST FAN WILL START IF NOT RUNNING.
- INTERCONNECT THE HOOD EXTINGUISHING SYSTEM WITH THE FIRE ALARM SYSTEM IF APPLICABLE.
- FOR ALL CAMERA LOCATIONS, PROVIDE ONE (1) GREEN JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
- FOR ALL WIRELESS ACCESS POINT LOCATIONS, PROVIDE ONE (1) YELLOW JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
- PROVIDE AN ADDITIONAL 10%, OR ONE (1), WHICHEVER IS GREATER, OF THE FOLLOWING DEVICES WHICH ARE INCLUDED IN THE PROJECT, AND INSTALL THEM AT THE DIRECTION OF THE ARCHITECT, ENGINEER, OR AHJ DURING THE COURSE OF THE PROJECT. PROVIDE ALL REQUIRED CONDUIT, INTERCONNECTIONS, CONDUCTORS, PROGRAMMING, ETC. AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, THERMAL DETECTORS, ETC.), NOTIFICATION APPLIANCES (STROBES, HORN STROBES, SPEAKER STROBES, SPEAKERS, DUCT DETECTORS, ETC.), AND MONITORING MODULES.
- VERIFY REQUIRED QUANTITY OF DUCT DETECTORS WITH DUCTWORK CONFIGURATION AS IT IS ACTUALLY INSTALLED. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

DEMOLITION GENERAL NOTES

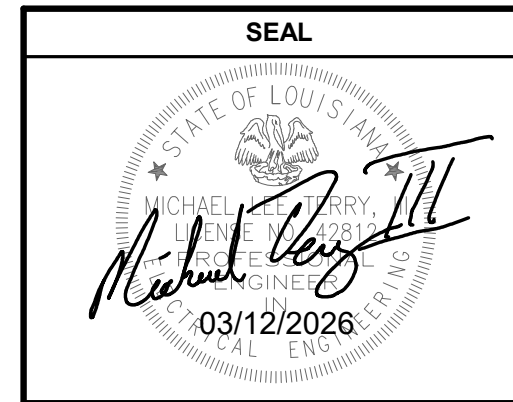
- THE LOCATIONS OF EXISTING CIRCUITS AND EQUIPMENT ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND WIRING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING PORTIONS OF THE ELECTRICAL SYSTEMS.
- THE CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
- ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED (AS REQUIRED).
- EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED. OLD, UNUSED WIRING AND DEVICES SHALL BE REMOVED FROM THE ABANDONED (CONCEALED) CONDUITS OUTLETS SHALL BE PROVIDED WITH BLANK COVERS. ANY CONDUITS STUBBED OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
- WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONTINUED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DRAWINGS AS SPECIFIED.
- WHERE EXISTING RACEWAYS THAT ARE NOT TO BE REUSED INTERFERE WITH NEW WORK, THESE RACEWAYS SHALL BE REMOVED BACK TO THE NEAREST JUNCTION BOX OR PULL BOX AND THE OPENINGS BLANKED.
- CONTRACTOR SHALL MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICABLE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND DATA WIRING NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- WHERE NEW LOADS ARE CONNECTED TO EXISTING PANELS, AND WHERE SUCH WIRING IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS THAT OF THE EXISTING AT NO COST TO THE OWNER.
- EXISTING DEVICES ARE SHOWN IN GRAY. CONDUIT AND WIRING ARE NOT GENERALLY SHOWN AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL DEMOLITION WORK AND CLARIFICATION OF INDICATED WORK WILL BE GIVEN BY RFI.
- COORDINATE THE REMOVAL AND REINSTALLATION (OR PROTECTION IN PLACE) OF EXISTING ELECTRICAL EQUIPMENT AND DEVICES WITH THE WORK OF OTHER TRADES TO REPLACE OR REFINISH EXISTING WALLS AND CEILINGS.
- WHERE EXISTING CIRCUITS ARE BEING REMOVED IN EXISTING PANELS, PROVIDE A NEW, NEATLY TYPED DIRECTORY WHICH INDICATES WHERE "SPARE" BREAKERS ARE LOCATED. ANY EXISTING BREAKERS THAT ARE NOT FEEDING DEVICES SHALL REMAIN AND BE LABELED AS A "SPARE."
- WHERE NEW LOADS ARE CONNECTED TO EXISTING PANELS, AND WHERE LOADS ARE REARRANGED IN EXISTING PANELS AS PART OF THIS PROJECT, UPDATE THE RESPECTIVE PANEL DIRECTORY SO AS TO PROVIDE A COMPLETE, ACCURATE, AND TYPED WRITTEN PANEL SCHEDULE. THE NEW PANEL SCHEDULE SHALL INCORPORATE ALL EXISTING LOADS, INCLUDING LOADS "EXISTING TO REMAIN". PROVIDE ALL REQUIRED TESTING AND INVESTIGATIONS NECESSARY TO ACCOMPLISH THIS WORK.

INDEX - ELECTRICAL SHEETS

E0.0	ELECTRICAL COVER SHEET
E1.0	POWER PLAN
E2.0	LIGHTING PLAN
E3.0	RISER DIAGRAM & SCHEDULES
E4.0	ELECTRICAL DETAILS
E5.0	ELECTRICAL SPECIFICATIONS



All drawings and written material appearing herein constitute original and unpublished work of the engineer and may not be duplicated, used, or disclosed without written consent of the engineer. Do not scale drawings. Contractor is responsible for verifying any and all quantities included in these documents when bidding and during construction.



PROJECT INFORMATION

HANGAR DEVELOPMENT - MARKSVILLE MUNICIPAL AIRPORT
307 RUNWAY ROAD, MANSURIA, LA 71350

REVISIONS	

SHEET INFORMATION	
DATE:	03/12/2026
DRAWN BY:	CW
CHECKED BY:	Checker
PROJECT #:	26-008

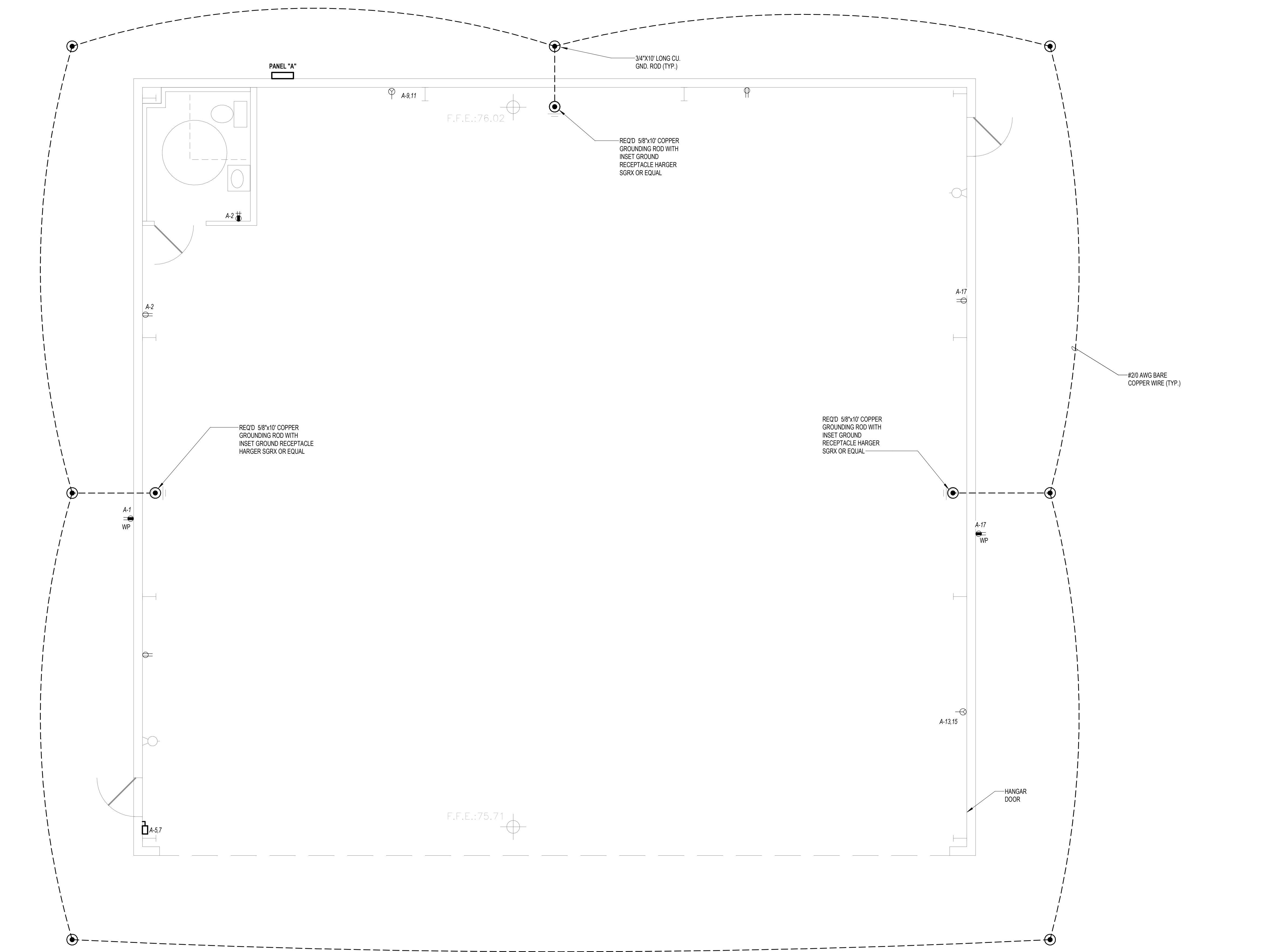
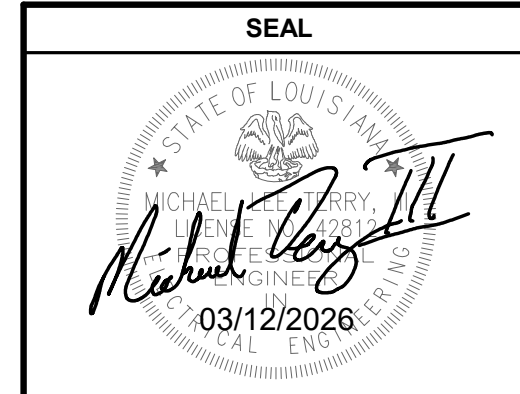
SHEET NAME	
ELECTRICAL COVER SHEET	

SHEET NUMBER	
E0.0	

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

GENERAL NOTES:
1. ALL RECEPTACLES HAVE TO BE 48" ABOVE FINISHED FLOOR OR PROPERLY SEALED.

All drawings and written material appearing herein constitute original and unpublished work of the engineer and may not be duplicated, used, or disclosed without written consent of the engineer. Do not scale drawings. Contractor is responsible for verifying any and all quantities included in these documents when bidding and during construction.



1 POWER PLAN
1/4" = 1'-0"

PROJECT INFORMATION

HANGAR DEVELOPMENT - MARKSVILLE MUNICIPAL AIRPORT

307 RUNWAY ROAD, MANSURIA, LA 71350

REVISIONS

NO.	DESCRIPTION	DATE

SHEET INFORMATION

DATE:	03/12/2026
DRAWN BY:	CW
CHECKED BY:	Checker
PROJECT #:	26-008

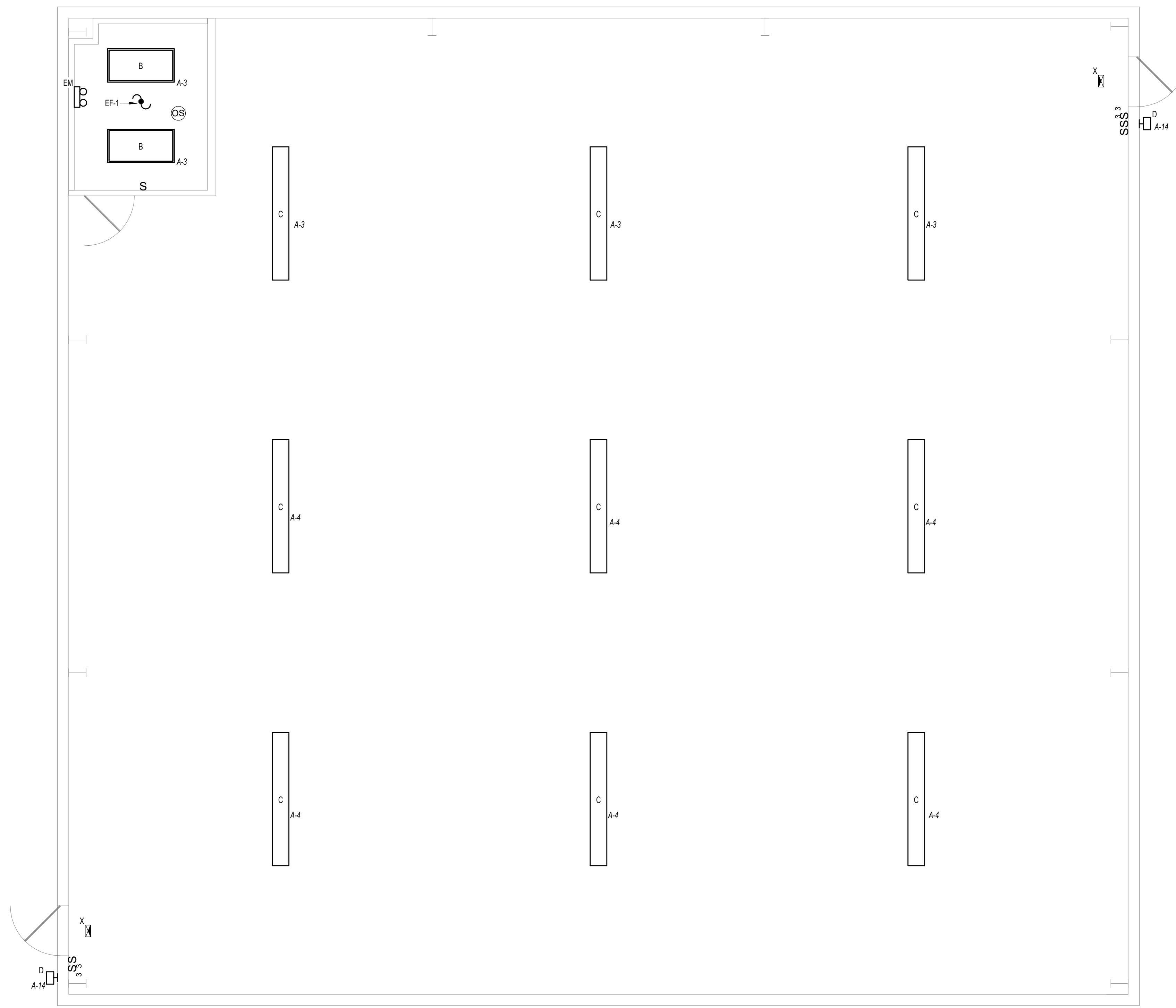
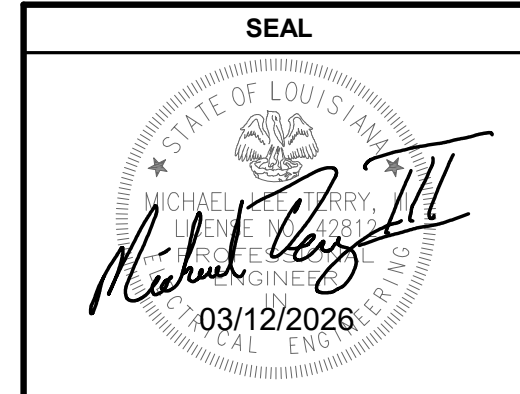
SHEET NAME

POWER PLAN

SHEET NUMBER

E1.0

All drawings and written material appearing herein constitute original and unpublished work of the engineer and may not be duplicated, used, or disclosed without written consent of the engineer. Do not scale drawings. Contractor is responsible for verifying any and all quantities included in these documents when bidding and during construction.



1 LIGHTING PLAN
1/4" = 1'-0"

SCHEDULE - LIGHTING FIXTURES										
NOTES:										
** FINISH TO BE SELECTED BY ARCHITECT										
MARK	DESCRIPTION	LAMPS	VOLTS	LOAD	TEMP.	LUMENS	MOUNTING	BASIS OF DESIGN		COUNT
								MANUFACTURER	CATALOG NO.	
B	2'X4' LED FLAT PANEL	LED	120	55 VA	35/40/50K	5,119	CEILING	LITHONIA LIGHTING	EPANL-2X4-4800LM-80CRI-40K-MIN10-EZT-MVOLT	2
C	LOW PROFILE LED CHAIN MOUNTED FIXTURE 22' AFF	LED	120	50 VA	4000K	18,438	CHAIN MOUNTED	LITHONIA LIGHTING	FEM-L96-18000LM-LPACL-WD-MVOLT-GZ10-40K-80CRI (SBOR10 MHCH36)	9
D	ARCHITECTURAL LED WALL PACK 7' AFF	LED	120	50 VA	2700K	1,500	WALL	LITHONIA LIGHTING	WST-P3-40K-MVOLT	2
EM	LED EMERGENCY LIGHT/EXIT COMBO	LED	120	2 VA	X	X	WALL	LITHONIA LIGHTING	ELM6L	1
X	LED EMERGENCY LIGHT/EXIT COMBO	LED	120	4 VA	X	X	CEILING, GRID	LITHONIA LIGHTING	ECRG HO SQ	2

PROJECT INFORMATION

HANGAR DEVELOPMENT - MARKSVILLE MUNICIPAL AIRPORT

307 RUNWAY ROAD, MANSURIA, LA 71350

REVISIONS

NO.	DESCRIPTION	DATE

SHEET INFORMATION

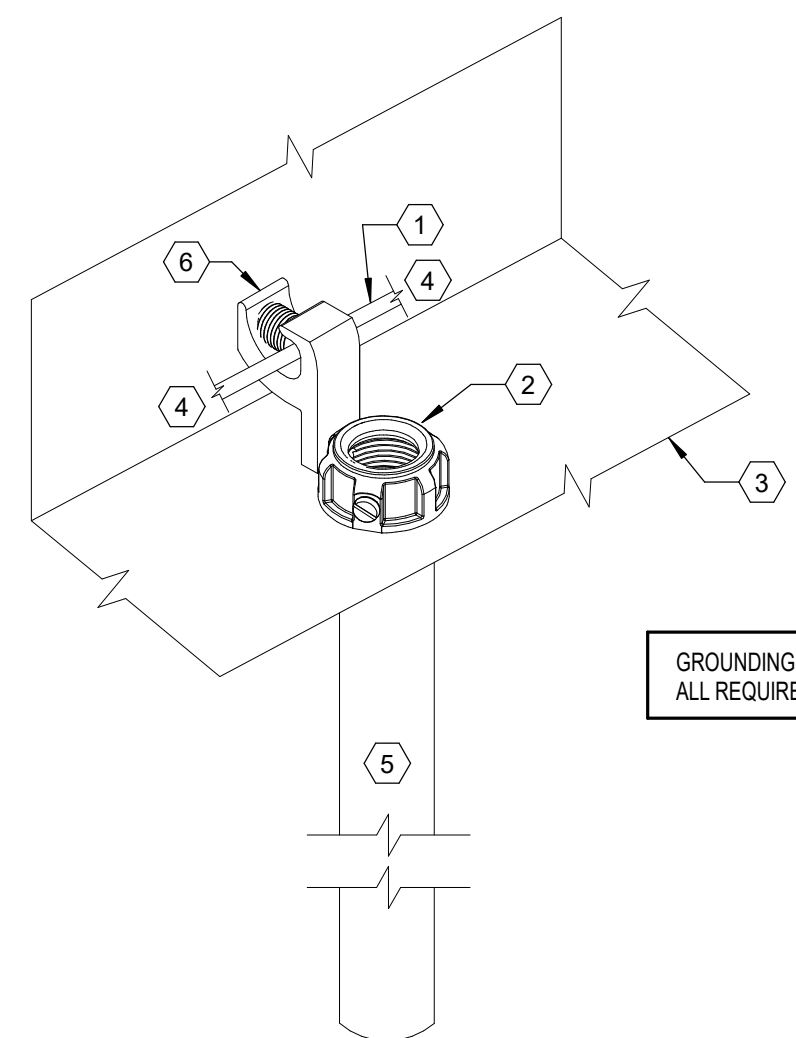
DATE: 03/12/2026
DRAWN BY: CW
CHECKED BY: Checker
PROJECT #: 26-008

SHEET NAME

LIGHTING PLAN

SHEET NUMBER

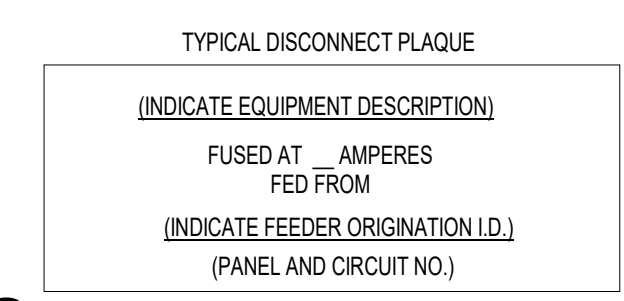
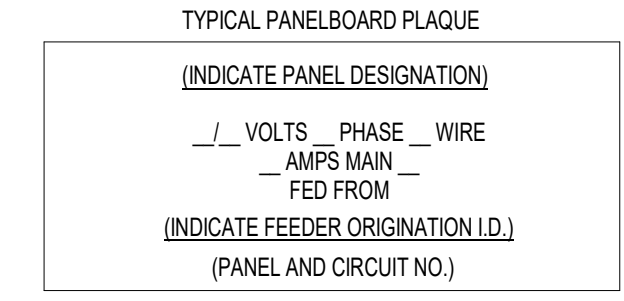
E2.0



1 DETAIL - CONDUIT GROUND BUSHING
N.T.S.

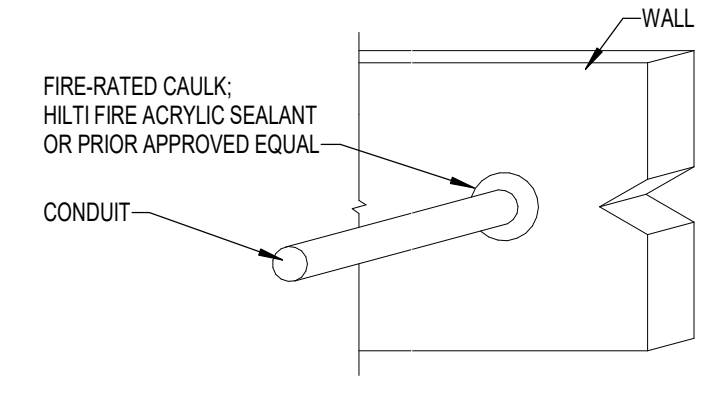
- DETAIL KEYNOTES**
- SUPPLY SIDE EQUIPMENT BONDING JUMPER.
 - UL 487 LISTED GROUNDING BUSHING BY APPLETON, EATON, OR APPROVED EQUIVALENT.
 - ENCLOSURE.
 - TO ENCLOSURE GROUND BUS OR ADDITIONAL CONDUITS (AS REQUIRED).
 - INCOMING CONDUIT.
 - INTEGRAL BRACKET FOR ATTACHMENT OF BONDING JUMPER.

GROUNDING INSTALLATION SHALL MEET ALL REQUIREMENTS OF NEC 250.92.



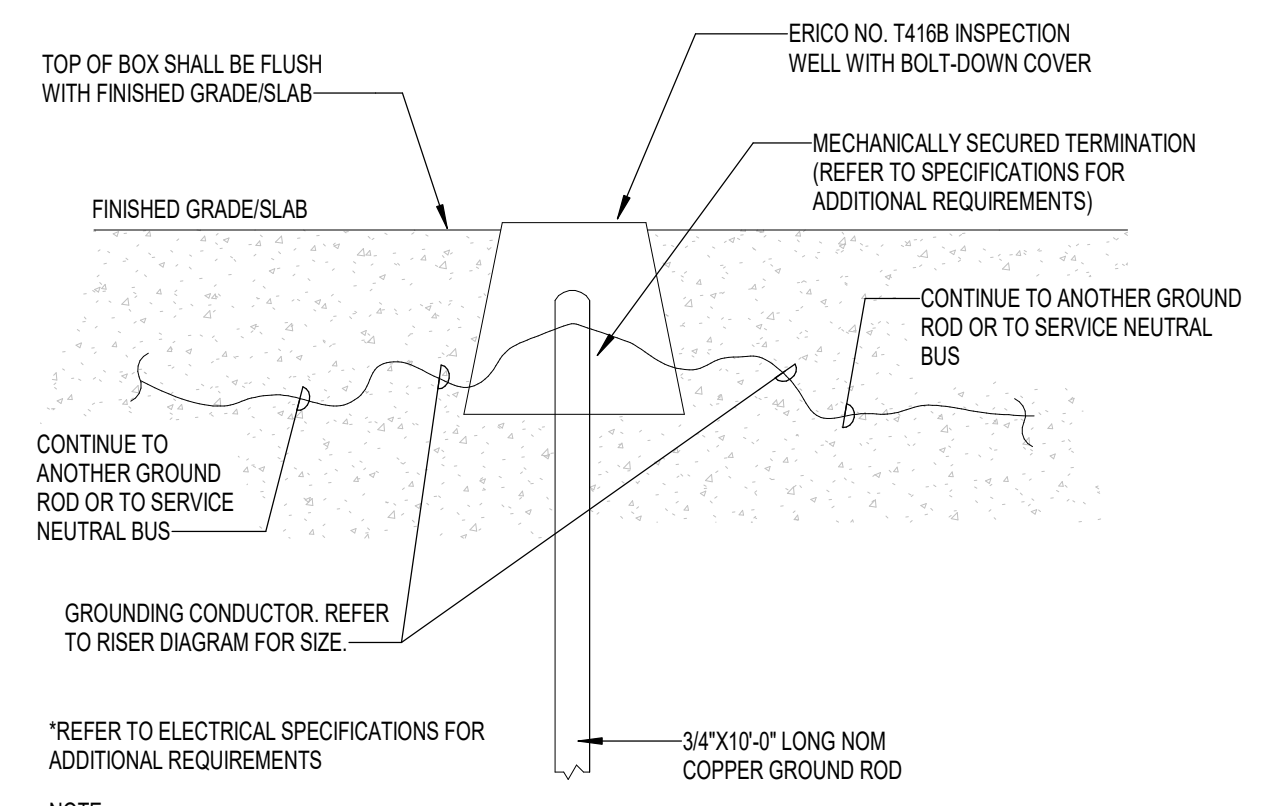
2 DETAIL - EQUIPMENT SIGNAGE
N.T.S.

SEE SPECIFICATIONS FOR MATERIALS, COLORS SIZE LETTERING, ETC.
ATTACH PLAQUES USING INDUSTRIAL GRADE DOUBLE FACE ADHESIVE.



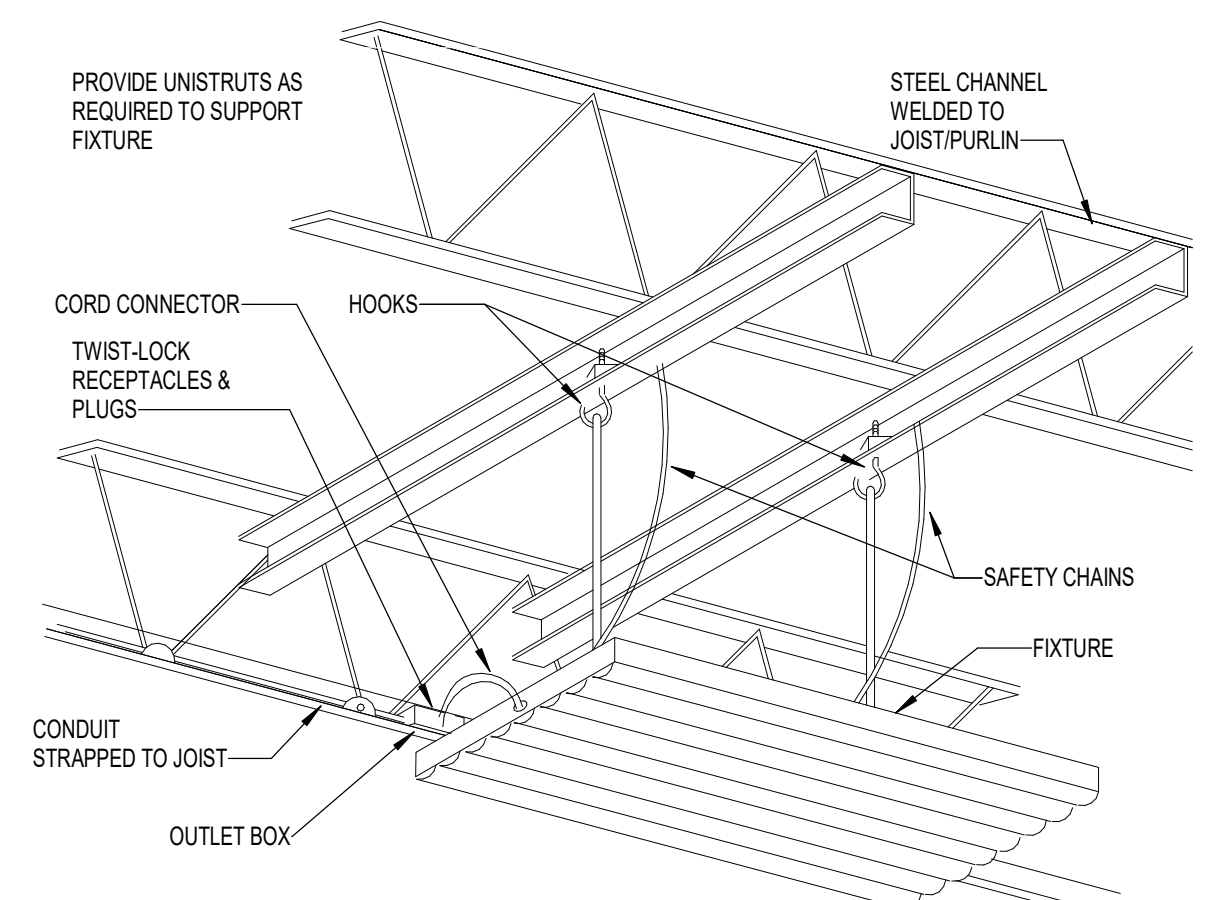
3 DETAIL - FIRE-RATED WALL PENETRATION
N.T.S.

ALL PENETRATIONS THROUGH FIRE-RATED WALLS SHALL UTILIZE FIRE-RATED CAULK OR PRIOR APPROVED FIRE-STOPPING MATERIAL WITH BACKING MATERIAL.

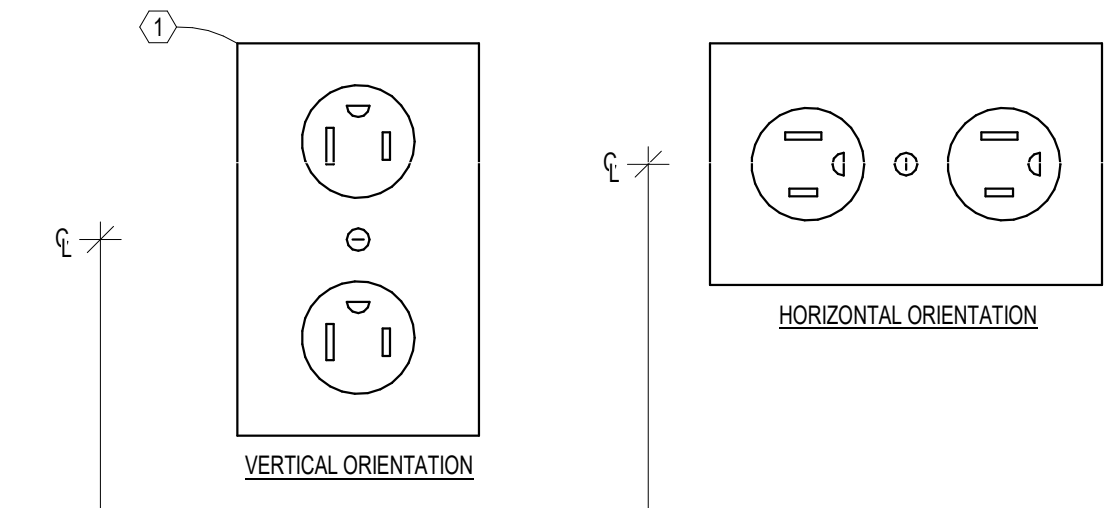


4 DETAIL - GROUND ROD INSTALLATION
N.T.S.

NOTE: SUBMIT DIGITAL PHOTOS OF ALL GROUNDING TERMINATIONS

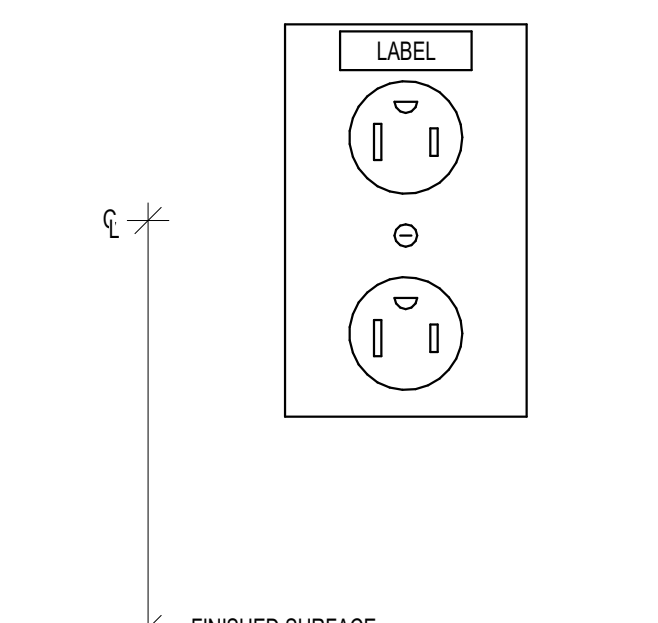
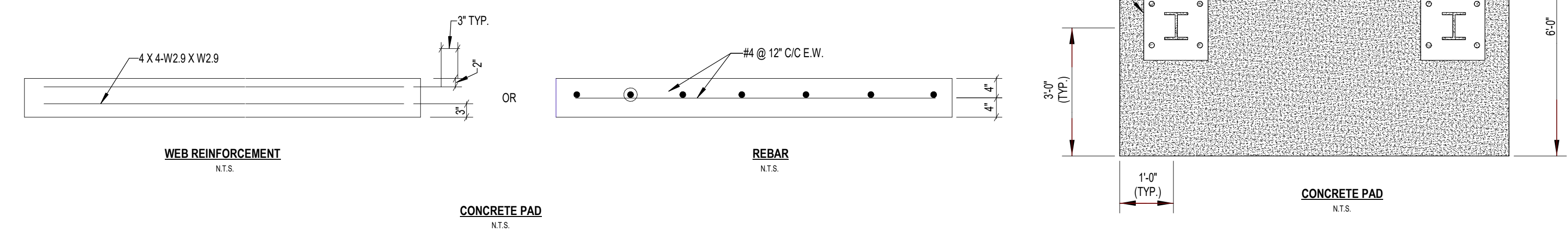


5 DETAIL - HIGH-BAY LED FIXTURE MOUNTING
N.T.S.



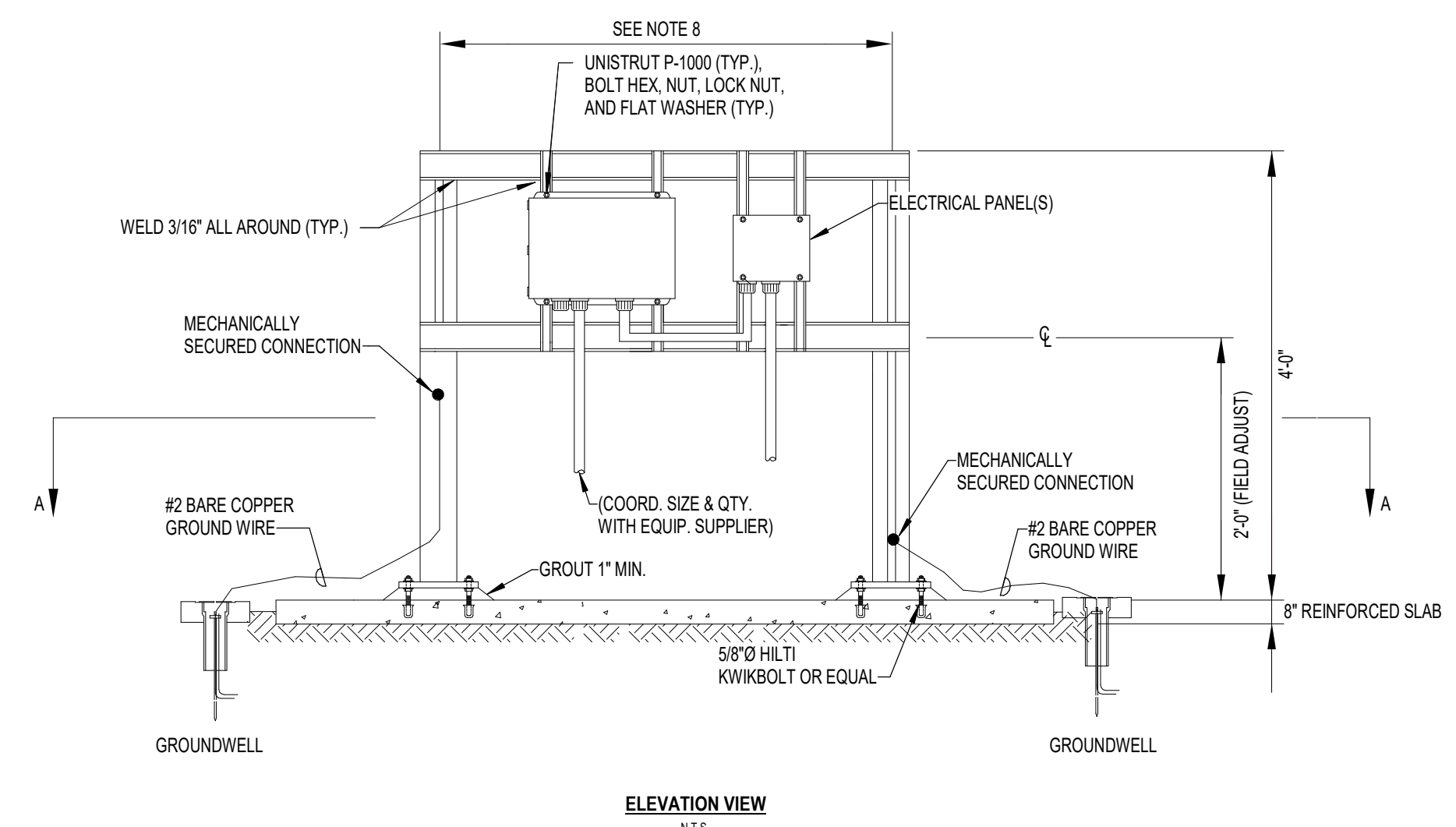
- KEYNOTES**
- REFER TO SPECIFICATIONS FOR RECEPTACLE REQUIREMENTS.
 - UNLESS DENOTED OTHERWISE ON PLANS, MOUNTING HEIGHT IS FROM FINISHED SURFACE (FLOOR GRADE/COUNTER TOP/ETC...) TO CENTERLINE OF DEVICE.

6 DETAIL - RECEPTACLE
N.T.S.

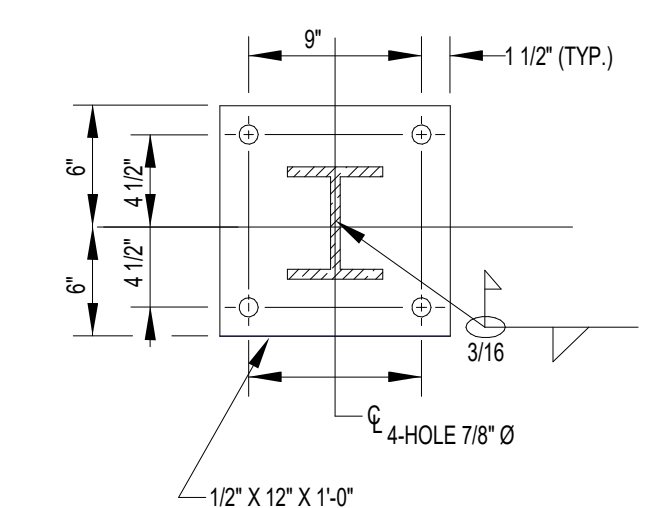


7 DETAIL - RECEPTACLE LABELING
N.T.S.

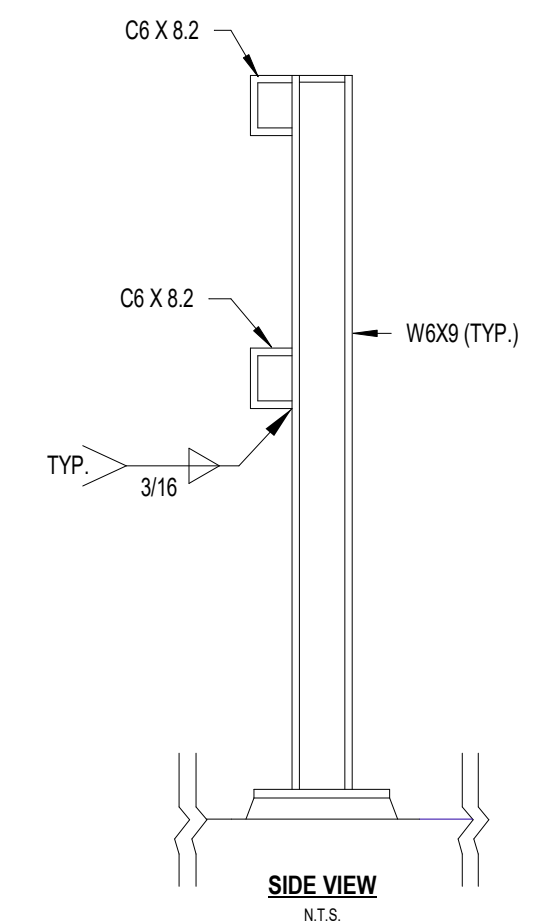
- SWITCH RACK NOTES:**
- VERIFY ALL DIMENSIONS BEFORE FABRICATION.
 - REMOVE BURRS AND GRIND SHARP CORNERS AND EDGES. TOUCH UP AS REQUIRED AFTER WELDING AND DRILLING.
 - FIELD GROUT UNDER BASE PLATE.
 - ANCHOR BOLTS SHALL BE 4 INCH IN CONCRETE AND SHALL BE PROVIDED WITH HEX NUTS AND WASHERS. ALL ALUMINUM SHALL BE 6061.
 - MINIMUM CONCRETE STRENGTH SHALL BE 3000 PSI.
 - MAXIMUM OF 8 FEET BETWEEN SUPPORT COLUMNS.
 - ALL UNISTRUT SHALL BE ALUMINUM TYPE.



ELEVATION VIEW
N.T.S.



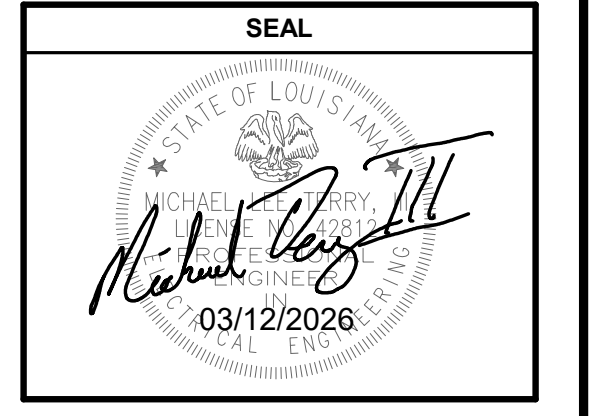
BASE PLATE DETAIL
N.T.S.



SIDE VIEW
N.T.S.

8 DETAIL - ELECTRICAL SWITCH RACK
N.T.S.

All drawings and written material appearing herein constitute original and unpublished work of the engineer and may not be duplicated, used, or disclosed without written consent of the engineer. Do not scale drawings. Contractor is responsible for verifying any and all quantities included in these documents when bidding and during construction.



PROJECT INFORMATION

HANGAR DEVELOPMENT - MARKSVILLE MUNICIPAL AIRPORT
307 RUNWAY ROAD, MANSURIA, LA 71350

REVISIONS

NO.	DATE	DESCRIPTION

SHEET INFORMATION

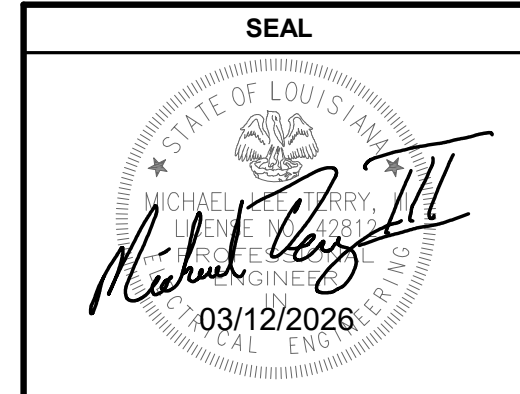
DATE:	03/12/2026
DRAWN BY:	CW
CHECKED BY:	Checker
PROJECT #:	26-008

SHEET NAME
ELECTRICAL DETAILS

SHEET NUMBER
E4.0



All drawings and written material appearing herein constitute original and unpublished work of the engineer and may not be duplicated, used, or disclosed without written consent of the engineer. Do not scale drawings. Contractor is responsible for verifying any and all quantities included in these documents when bidding and during construction.



HANGAR DEVELOPMENT - MARKSVILLE MUNICIPAL AIRPORT
307 RUNWAY ROAD, MANSURIA, LA 71350

PROJECT INFORMATION

307 RUNWAY ROAD, MANSURIA, LA 71350

Table with 2 columns: REVISIONS, Description of changes.

Table with 2 columns: SHEET INFORMATION, DATE, DRAWN BY, CHECKED BY, PROJECT #.

SHEET NAME
ELECTRICAL SPECIFICATIONS

SHEET NUMBER
E5.0

ELECTRICAL SPECIFICATIONS

PART 1.0 GENERAL

- 1.1 GENERAL CONDITIONS
1.2 MINIMUM STANDARDS
1.3 LAWS, PERMITS AND FEES
1.4 PRIOR APPROVALS
1.5 MEASUREMENTS

PART 2.0 PRODUCTS

- 2.1 RACEWAYS AND FITTINGS
2.2 OUTLET AND SWITCH BOXES
2.3 WIRE (600 VOLT AND BELOW)

- 2.4 CIRCUIT BREAKER PANELBOARDS
2.5 SAFETY SWITCHES
2.6 WIRING DEVICES

Table with columns: Device Name, Leviton, P&S, Hubbell, Duplex, Ground Fault Circuit Interrupter.

- 2.7 VOICE & DATA STATION CABLES

2.8 LED LIGHTING

- A. Lighting fixtures with LED light sources shall meet the following fixture and light source requirements
1. LED Temperature - Cool White (CW), 4000K nom., CRI > 70
2. Line Voltage - Universal Voltage 120-277 volts
3. Governmental Standards - LM79 and LM80 Compliant

2.9 OCCUPANCY SENSORS

- A. Sensor shall be a self-contained dual voltage ceiling mounted device capable of directly switching loads upon detection of human activity.
B. Sensor must be rated for 120 through 277 VAC and be capable of switching zero to 1200 watts of electronic ballast loads.
C. Sensor time delay shall be factory set for typical applications and field adjustable from 30 seconds to 20 minutes.

2.10 SURGE PROTECTION DEVICES FOR LOW-VOLTAGE ELECTRICAL POWER CIRCUITS

- A. Transient voltage surge suppression (TVSS) shall be in accordance with the following standards:
1. Underwriters Laboratory (UL)
2. American National Standards Institute (ANSI)
3. Institute of Electrical and Electronics Engineers (IEEE)

B. Electrical Requirements:

- 1. System voltage shall be as indicated on drawings.
2. The TVSS shall be UL tested and labeled as a complete assembly to a symmetrical fault current rating greater than or equal to the rating of the connected panel, in accordance with NEC Article 285, without the requirement of a dedicated breaker feeder to obtain the fault current withstand rating.
3. The Voltage Protection Rating (VPR) shall be tested with the integral disconnect in accordance with UL-1449, Third Edition. The UL VPR values shall include the breaker in series with the TVSS.

2.11 GENERATOR

RESERVED

2.12 AUTOMATIC TRANSFER SWITCH

- A. The Electrical Contractor shall furnish and install automatic transfer switches as described herein and on the Drawings. The unit shall work together as a system for detecting normal power failure, starting the stand-by power system, and transferring the loads.
B. Sequence of Operation: When the voltage on any phase of the normal source is reduced to 70% of rated voltage for 3 seconds a pilot contact shall close to initiate starting of the standby plant.
C. The transfer switch shall be furnished with an accessories package containing the following items:
1. Auxiliary contacts operate on normal line failure.
2. Auxiliary contact closed on emergency.
3. Auxiliary contact closed on normal.

PART 3.0 EXECUTION

- 3.1 WIRING - GENERAL
3.2 CONDUIT - MATERIALS AND METHODS
3.3 MOUNTING HEIGHTS
3.4 COMMUNICATIONS WIRING INSTALLATION
3.5 LIGHTING INSTALLATION
3.6 OVERCURRENT PROTECTIVE DEVICE SHORT-CIRCUIT STUDY
3.7 OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY
3.8 OVERCURRENT PROTECTIVE DEVICE ARC-FLASH STUDY
3.9 FACTORY TESTS
3.10 TRAINING
3.11 COMPLETION
3.12 RECORD DRAWINGS
3.13 GUARANTEE
3.14 CLEANING
3.15 INSTRUCTION MANUALS
3.16 CONTRACTOR SPECIAL NOTE