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01-31-25
Permit Set

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NOT APPLICABLE

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P.E.M.B.

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MECHANICAL & PLUMBING

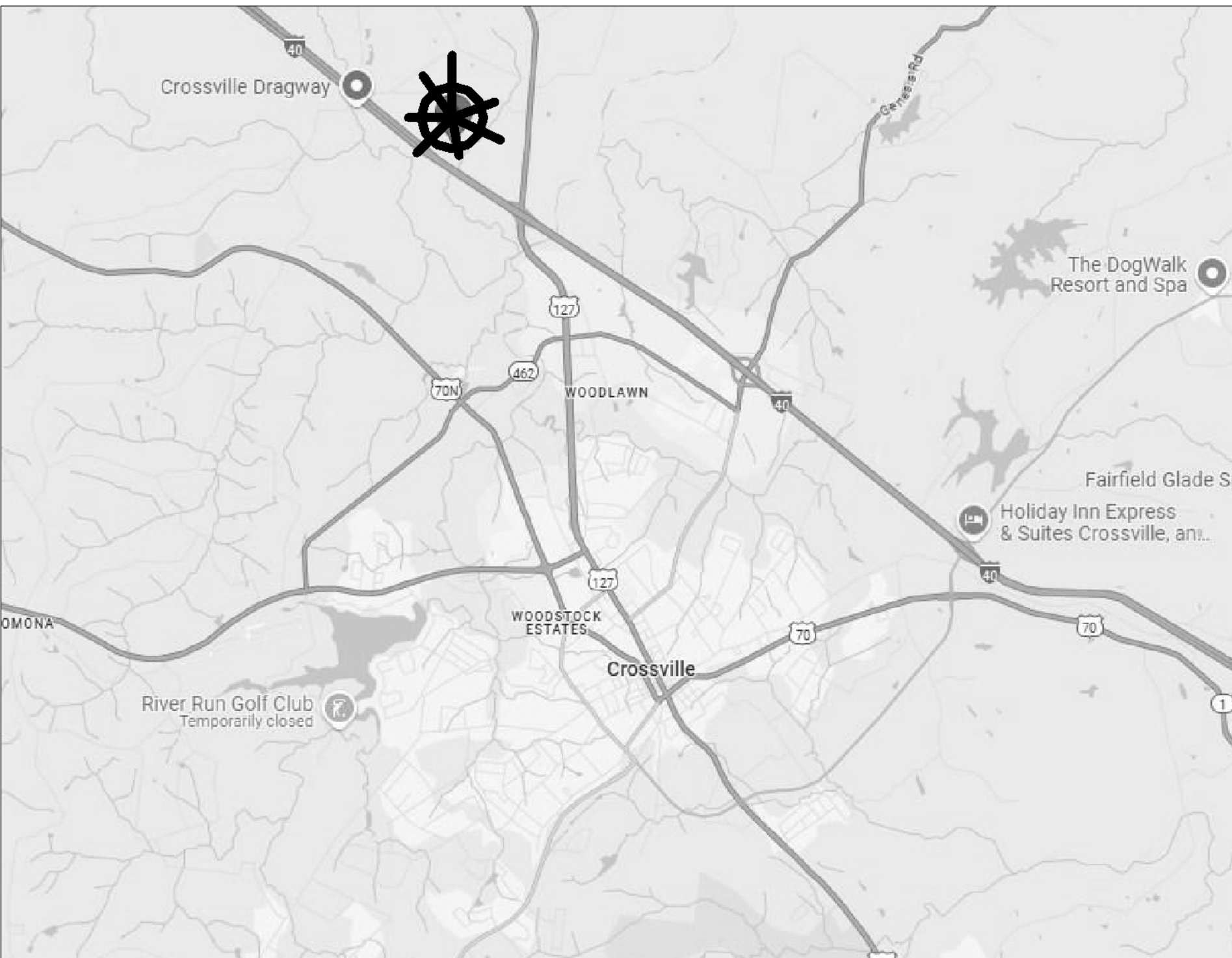
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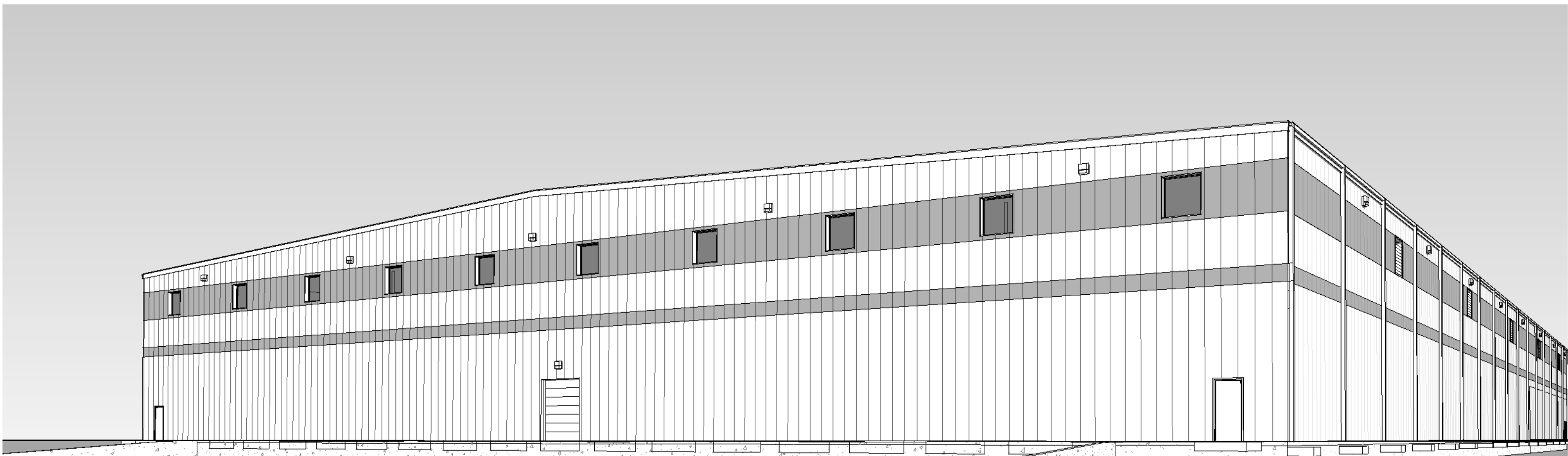
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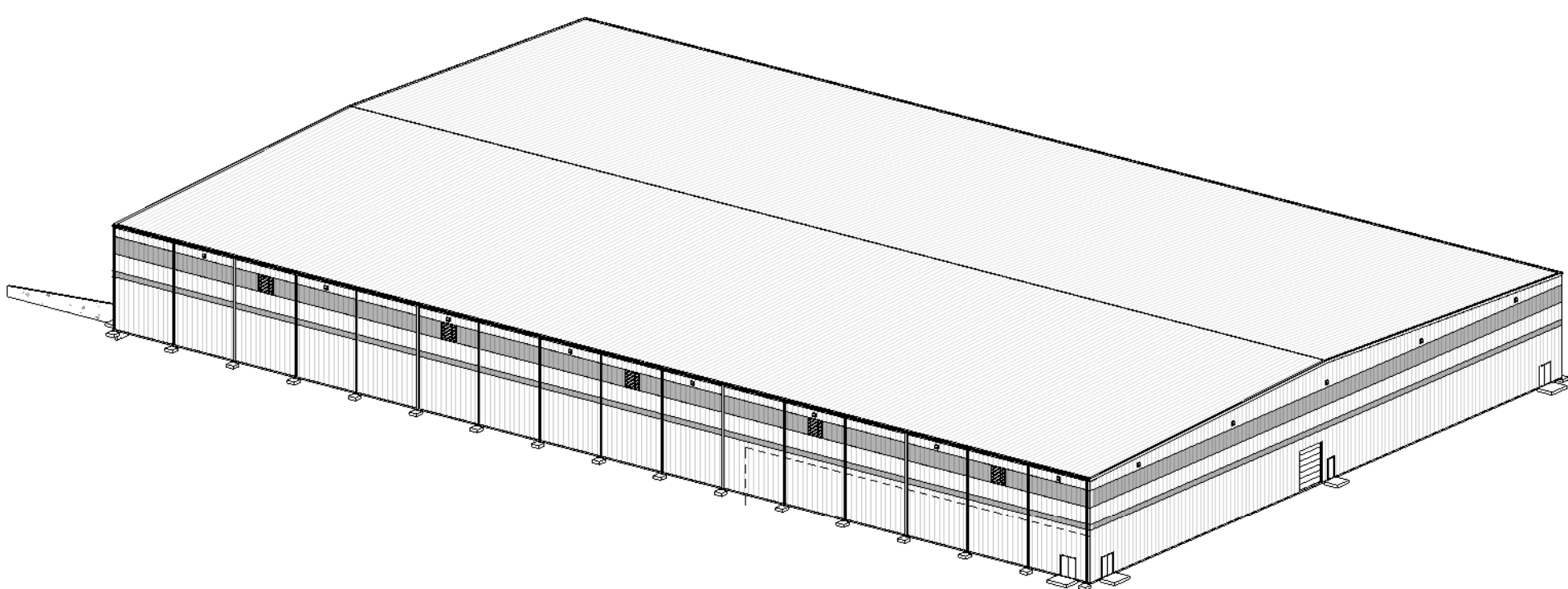
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LOCATION PLAN



GRAPHIC REPRESENTATION ONLY



GRAPHIC REPRESENTATION ONLY

verdantas

TOMMY
BROWN
ARCHITECTURE
PLLC

GENERAL NOTES
<div>1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. THE LATEST EDITION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.</div> <div>2. THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.</div> <div>3. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.</div> <div>4. THE CONTRACTOR SHALL REVIEW THE 2 SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORTS PREPARED BY GEOservices, LLC AND DATED APRIL 11, 2022 AND MARCH 6, 2017, AND ANY SUBSEQUENT REVISIONS. A COPY OF THE REPORTS WILL BE MADE AVAILABLE TO THE CONTRACTOR THROUGH THE OWNER. THE CONTRACTOR SHALL ADHERE TO ALL ASPECTS AND RECOMMENDATIONS OF THE REPORTS.</div> <div>5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE.</div> <div>6. ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT OF WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.</div> <div>7. ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.</div> <div>8. CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATION AND SANITATION FACILITIES.</div> <div>9. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE THE RESULT OF A FIELD BOUNDARY SURVEY FROM THE CITY OF CROSSVILLE.</div> <div>10. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.</div> <div>11. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL CITY OF CROSSVILLE PERMITS HAVE BEEN ISSUED AS REQUIRE</div> <div>12. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING NONWORKING HOURS. TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.</div> <div>13. ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.</div> <div>14. ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.</div> <div>15. THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE. BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.</div> <div>16. ALL PROPOSED CONCRETE PAVEMENT ABUTTING EXISTING PAVEMENT SHALL BE DOWELED INTO EXISTING CONCRETE PAVEMENT USING A 3" DEFORMED DOWEL WITH 9" MINIMUM EMBEDMENT.</div> <div>17. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.</div> <div>18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.</div> <div>19. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.</div>

ELECTRIC NOTES
<div>1. ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE VOLUNTEER ELECTRIC COOPERATIVE.</div> <div>2. ALL CONDUITS TO HAVE PULL STRINGS.</div> <div>3. ALL CONDUITS EXPOSED TO SUN TO BE SCH 80 PVC 36" LONG SWEEPS.</div> <div>4. ALL DITCHES, BOXES AND PEDESTALS MUST BE INSPECTED BEFORE ANY BACK FILL CAN TAKE PLACE.</div>

STORM AND SANITARY NOTES
<div>1. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.</div> <div>2. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.</div> <div>3. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.</div> <div>4. CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.</div> <div>5. CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT</div>




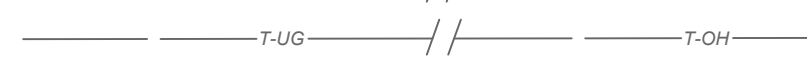
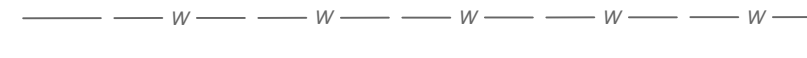
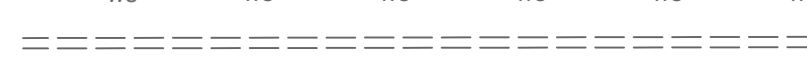



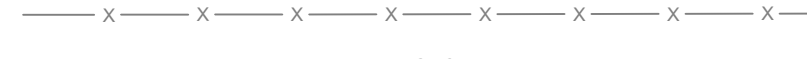





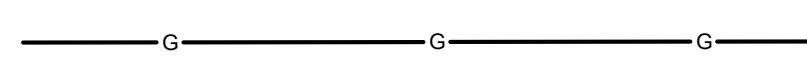
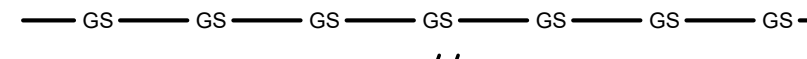

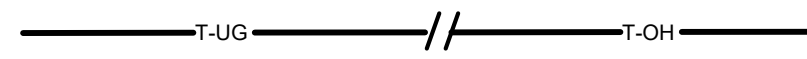
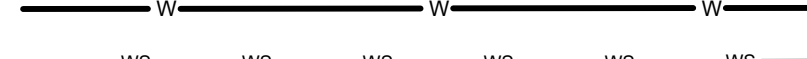

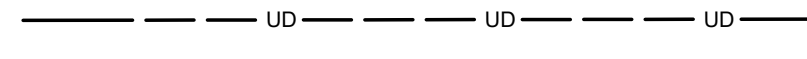
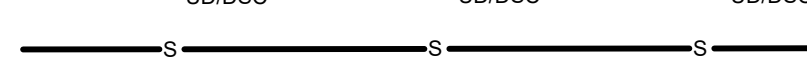

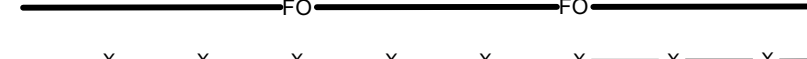
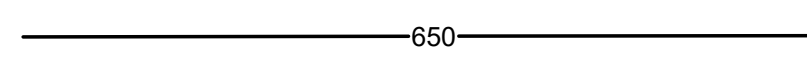
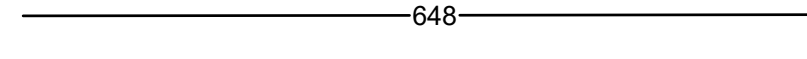
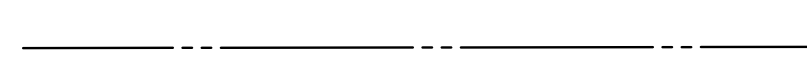
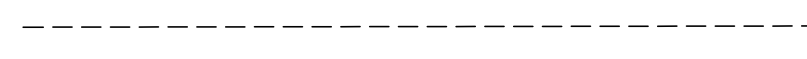




















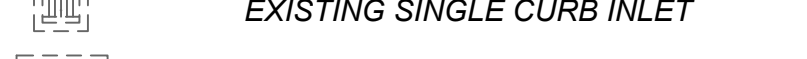
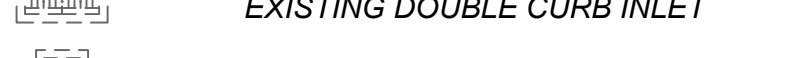
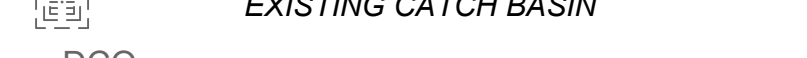
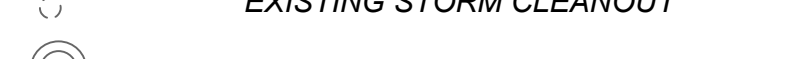

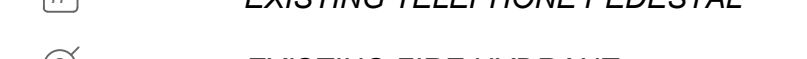
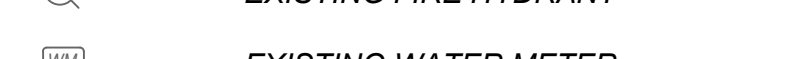
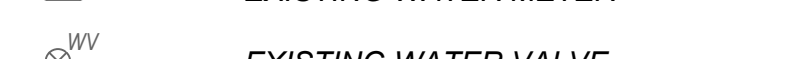




















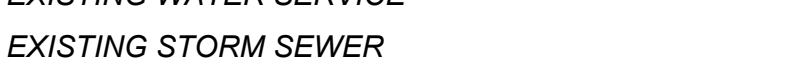




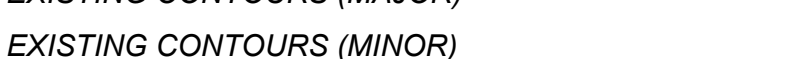

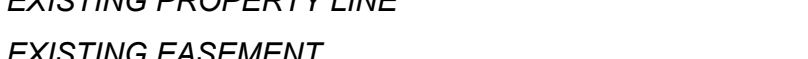





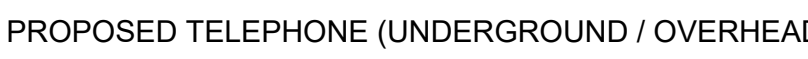







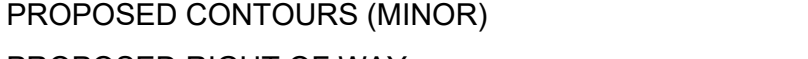
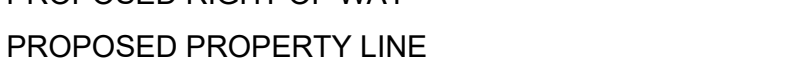

UTILITY NOTES
<div>1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.</div> <div>2. PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.</div> <div>3. TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.</div> <div>4. FORTY- EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE TENNESSEE UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF TENNESSEE UNDERGROUND PROTECTION.</div> <div>5. THE SITE MAY CONTAIN EXISTING PRIVATELY OWNED UTILITIES. THESE HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE BASED ON EXISTING UTILITY INFORMATION, BUT THE PREPARER OF THESE DOCUMENTS DOES NOT ATTEST TO THEIR ACCURACY OR CORRECTNESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A PRIVATE UTILITY MARKING AGENCY TO IDENTIFY AND LOCATE ALL PRIVATE UTILITIES WITHIN THE WORK SITE. THIS MAY INVOLVE THE EXCAVATION AND UNCOVERING OF UTILITIES TO VERIFY LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS. CONTRACT SHALL MAKE RECORDS OF ALL PRIVATE UTILITIES ENCOUNTERED DURING THE PROJECT.</div> <div>6. RECORD DRAWINGS OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.</div>

GRADING AND EROSION CONTROL NOTES

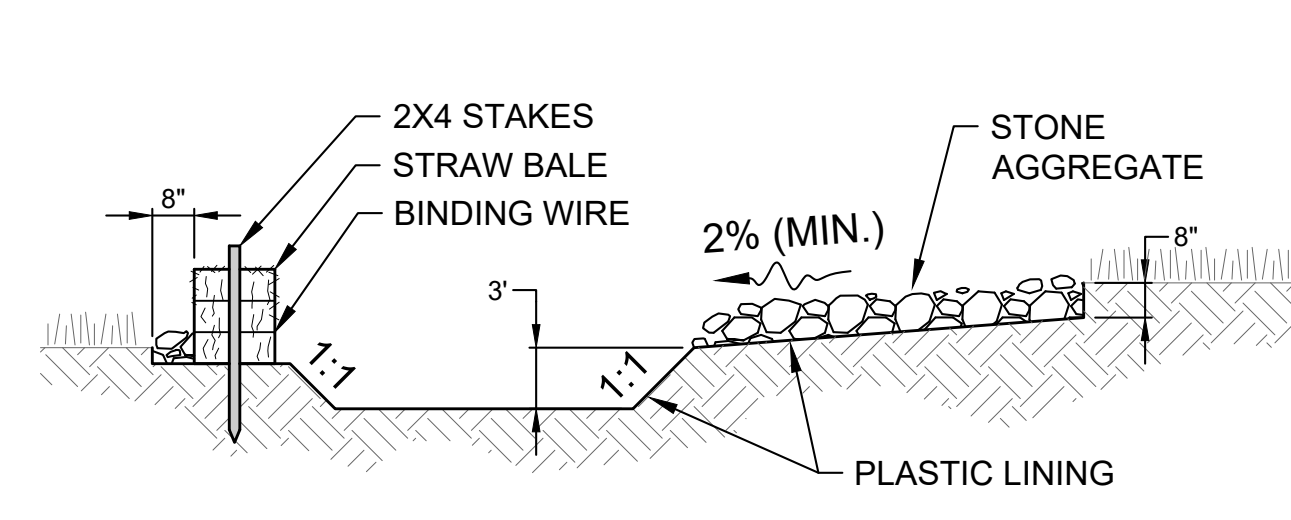
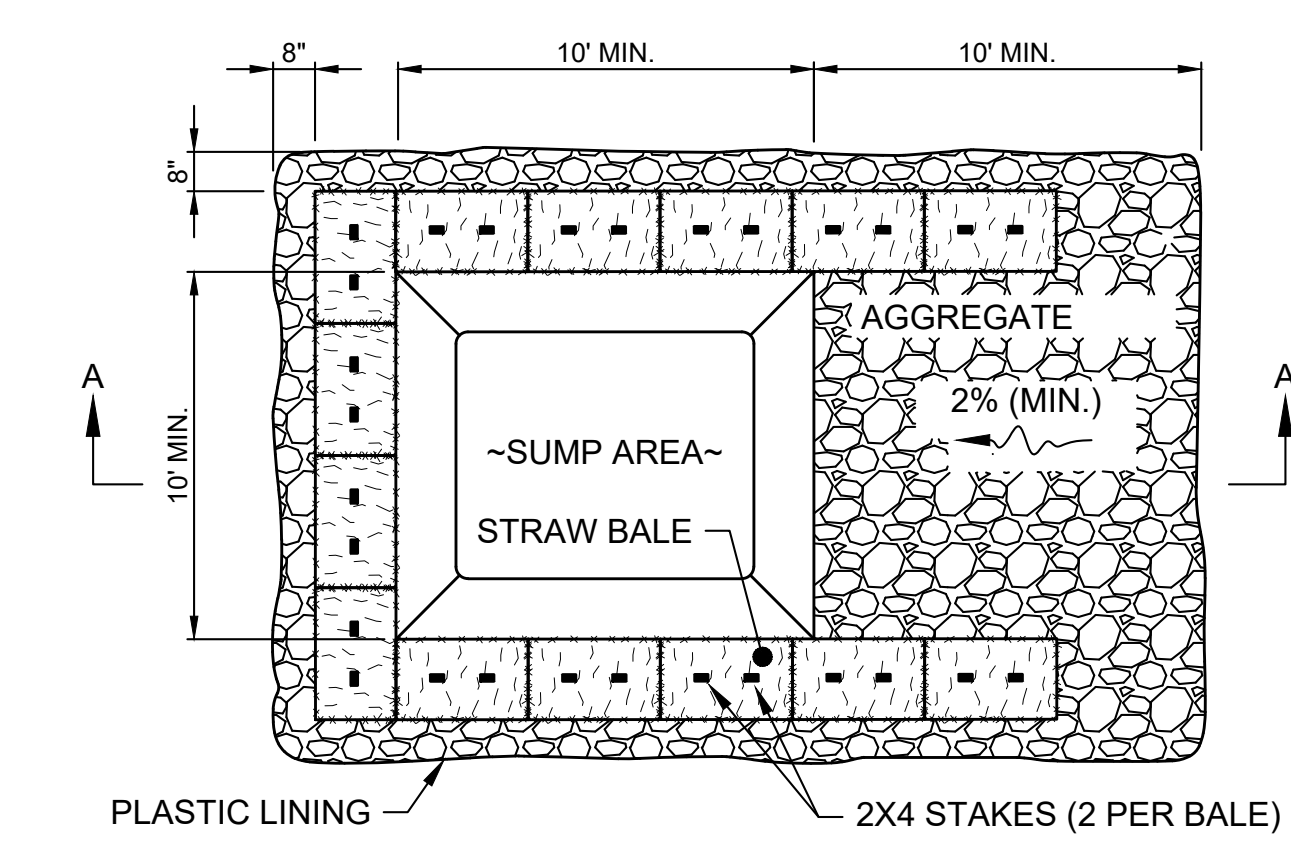
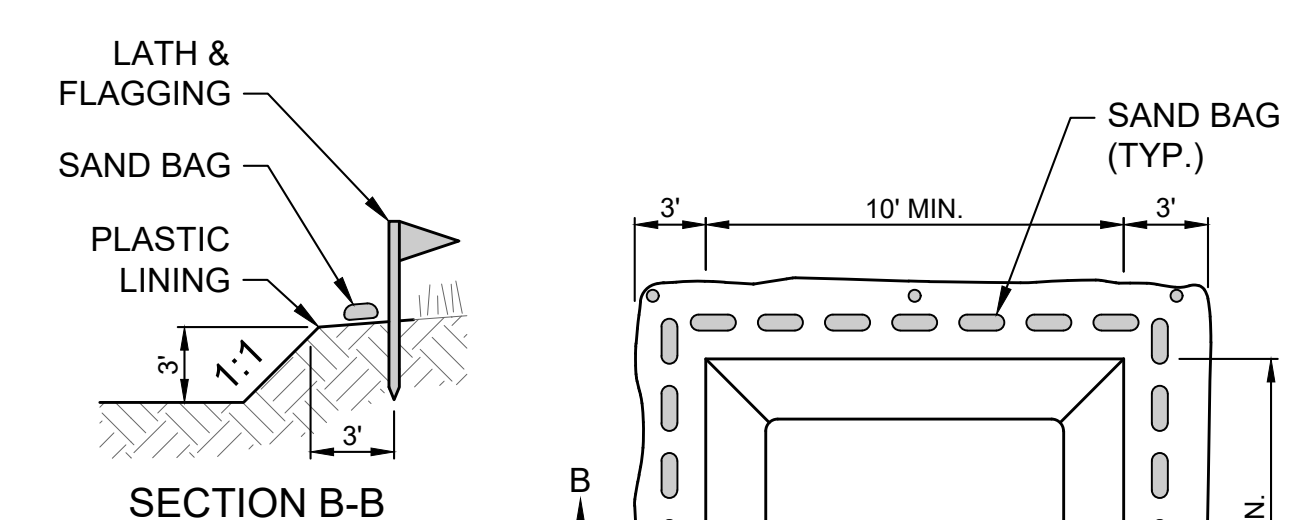
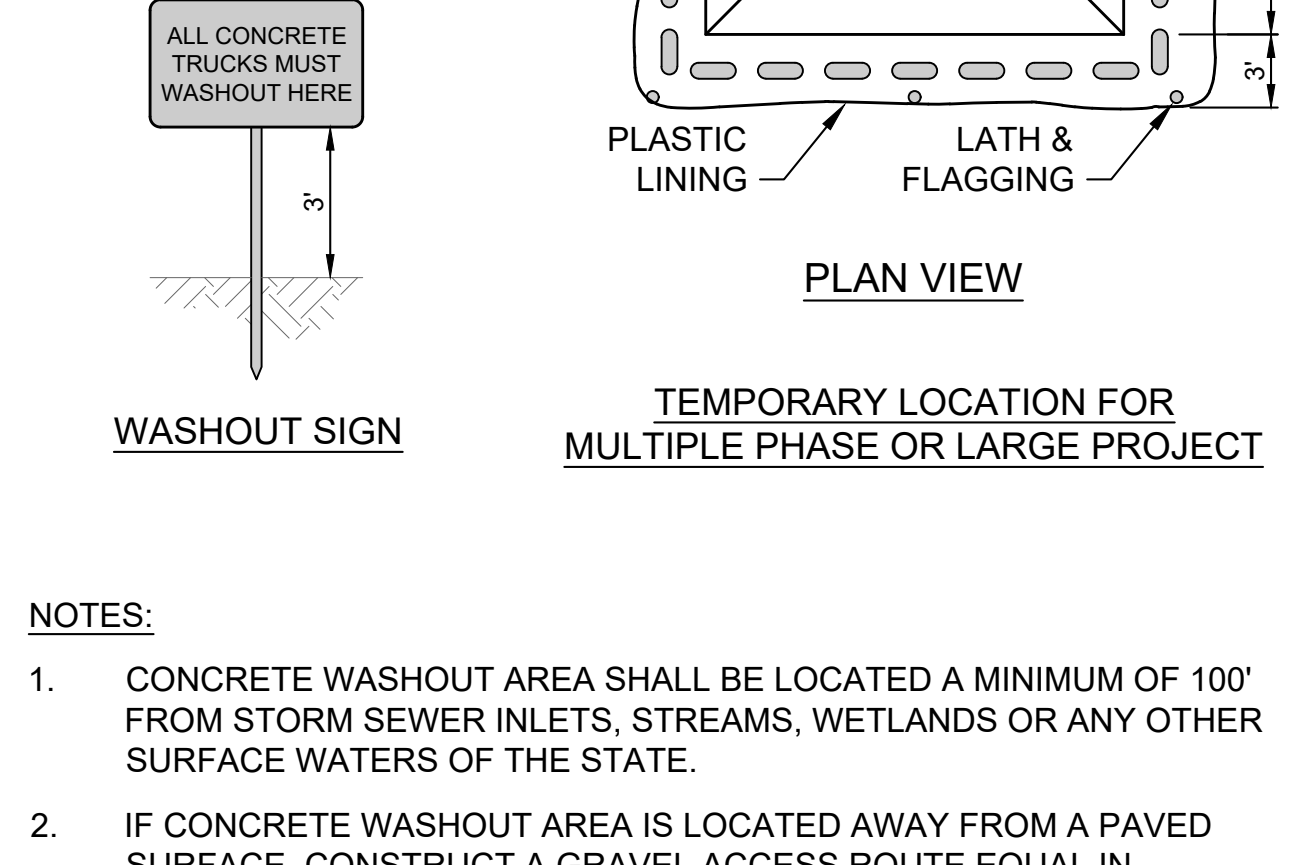
<div>1. ALL DISTURBED AREAS WITH EXPOSED SOIL ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER TDEC. ALL DISTURBED AREAS WITH EXPOSED SOILS SHALL BE RESTORED WITHIN 14 DAYS AFTER CONSTRUCTION.</div> <div>2. ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.</div> <div>3. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS ETC.</div> <div>4. ALL TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, INCLUDED STUMP REMOVAL.</div> <div>5. THE CONTRACTOR SHALL REMOVE ALL SURPLUS DEMOLISHED AND WASTE MATERIALS, INCLUDING TREES, STUMPS, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND DISPOSE OF OFF-SITE. IN NO INSTANCE SHALL MATERIAL BE BURIED ON-SITE.</div> <div>6. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIAL DEEMED UNSUITABLE FOR EMBANKMENT BY THE OWNER'S REPRESENTATIVE AND BE DISPOSED OF OFF-SITE.</div> <div>7. THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO WITHIN 1" OF GRADES SHOWN ON THE PLANS.</div> <div>8. TOPSOIL SHALL BE STRIPPED AND SOCKPILED FROM ALL AREAS TO BE GRADED, TO WHATEVER DEPTH ENCOUNTERED, AND IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL. SOILD SHALL NOT BE STOCKPILED NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.</div> <div>9. EXCESS SOIL GENERATED FROM TRENCH EXCAVATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID FOR EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION. ANY EXCESS SOIL UNABLE TO BE PLACED ON-SITE OR DEEMED UNSUITABLE FOR EMBANKMENT BY THE ENGINEER SHALL BE DISPOSED OF OFF-SITE.</div> <div>10. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS IN THE SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT FOR EXCAVATION AND EMBANKMENT TO CONSTRUCT THE IMPROVEMENTS AND ACHIEVE THE FINISHED GRADES SHOWN ON THE PLANS.</div> <div>11. NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE SHALL BE USED AS FILL.</div> <div>12. EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN CONDITIONS TO PREVENT PONDING OF WATER AFTER RAINS.</div> <div>13. SLOPE ALL AREAS AWAY FROM THE BUILDING AT A MINIMUM OF 1%</div> <div>14. THE ENGINEER MAKES NO REPRESENTATION AS TO A BALANCED EARTHWORK SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE FINAL SITE GRADES AS INDICATED ON THE GRADING PLAN, INCLUDING THE IMPORT OR EXPORT OF MATERIAL IF REQUIRED TO ACHIEVE THE PROPOSED GRADES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL SURPLUS EARTHWORK, DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR EXCAVATION AND/OR EMBANKMENT.</div>	<div>ALL APPLICABLE RECOMMENDATIONS IN TENNESSEE'S EROSION PREVENTION AND SEDIMENT CONTROL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.</div> <div>ALL DISTURBED AREAS WITH EXPOSED SOIL ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER TDEC. ALL DISTURBED AREAS WITH EXPOSED SOILS SHALL BE RESTORED WITHIN 14 DAYS AFTER CONSTRUCTION.</div>
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REMOVAL AND DISPOSAL OF ALL 'SURPLUS EARTHWORK' DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR EXCAVATION AND/OR EMBANKMENT.

15. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY EARTHWORK OPERATIONS.
16. MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR(S)
17. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF REPAIR AND/OR REPLACEMENT OF BMP'S

SYMBOL LEGEND
<div> EXISTING GAS LINE</div> <div> EXISTING GAS SERVICE</div> <div> EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)</div> <div> EXISTING CABLE (UNDERGROUND / OVERHEAD)</div> <div> EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)</div> <div> EXISTING WATER MAIN</div> <div> EXISTING WATER SERVICE</div> <div> EXISTING STORM SEWER</div> <div> EXISTING ROOF DRAIN</div> <div> EXISTING SANITARY SEWER</div> <div> EXISTING SANITARY FORCE MAIN</div> <div> EXISTING FIBER OPTICS</div> <div> EXISTING FENCE</div> <div> EXISTING CONTOURS (MAJOR)</div> <div> EXISTING CONTOURS (MINOR)</div> <div> EXISTING RIGHT OF WAY</div> <div> EXISTING PROPERTY LINE</div> <div> EXISTING EASEMENT</div> <div> EXISTING GUARDRAIL</div> <div> EXISTING TREE LINE</div> <div> PROPOSED GAS LINE</div> <div> PROPOSED GAS SERVICE</div> <div> EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)</div> <div> PROPOSED CABLE (UNDERGROUND / OVERHEAD)</div> <div> PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)</div> <div> PROPOSED WATER MAIN</div> <div> PROPOSED WATER SERVICE</div> <div> PROPOSED STORM SEWER</div> <div> PROPOSED UNDERDRAIN</div> <div> PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR</div> <div> PROPOSED SANITARY SEWER</div> <div> PROPOSED SANITARY FORCE MAIN</div> <div> PROPOSED FIBER OPTICS</div> <div> PROPOSED FENCE</div> <div> PROPOSED CONTOURS (MAJOR)</div> <div> PROPOSED CONTOURS (MINOR)</div> <div> PROPOSED RIGHT OF WAY</div> <div> PROPOSED PROPERTY LINE</div> <div> PROPOSED EASEMENT</div> <div> PROPOSED GUARDRAIL</div> <div> PROPOSED TREE LINE / CLEARING LIMITS</div> <div> PROPOSED DISTURBED LIMITS</div> <div> EXISTING FLAGPOLE</div> <div> EXISTING MAILBOX</div> <div> EXISTING SIGN</div> <div> EXISTING CABLE PEDESTAL</div> <div> EXISTING ELECTRIC PEDESTAL</div> <div> EXISTING PULL BOX</div> <div> EXISTING GROUND LIGHT</div> <div> EXISTING LIGHT POLE</div> <div> EXISTING ELECTRIC METER</div> <div> EXISTING ELECTRIC MANHOLE</div> <div> EXISTING GAS METER</div> <div> EXISTING GAS VALVE</div> <div> EXISTING GAS BOX</div> <div> EXISTING UTILITY POLE</div> <div> EXISTING GUY WIRE / ANCHOR</div> <div> EXISTING SANITARY MANHOLE</div> <div> EXISTING SANITARY CLEANOUT</div> <div> EXISTING STORM MANHOLE</div> <div> EXISTING SINGLE CURB INLET</div> <div> EXISTING DOUBLE CURB INLET</div> <div> EXISTING CATCH BASIN</div> <div> EXISTING STORM CLEANOUT</div> <div> EXISTING TELEPHONE MANHOLE</div> <div> EXISTING TELEPHONE PEDESTAL</div> <div> EXISTING FIRE HYDRANT</div> <div> EXISTING WATER METER</div> <div> EXISTING WATER VALVE</div> <div> EXISTING BUSHES / TREES</div> <div> EXISTING SURVEY BENCHMARK</div> <div> TEST BORING LOCATION</div> <div> PROPOSED FLAGPOLE</div> <div> PROPOSED MAILBOX</div> <div> PROPOSED SIGN</div> <div> PROPOSED CABLE PEDESTAL</div> <div> PROPOSED ELECTRIC PEDESTAL</div> <div> PROPOSED PULL BOX</div> <div> PROPOSED GROUND LIGHT</div> <div> PROPOSED LIGHT POLE</div> <div> PROPOSED ELECTRIC METER</div> <div> PROPOSED ELECTRIC MANHOLE</div> <div> PROPOSED GAS METER</div> <div> PROPOSED GAS VALVE</div> <div> PROPOSED GAS BOX</div> <div> PROPOSED UTILITY POLE</div> <div> PROPOSED GUY WIRE / ANCHOR</div> <div> PROPOSED SANITARY MANHOLE</div> <div> PROPOSED SANITARY CLEANOUT</div> <div> PROPOSED STORM MANHOLE</div> <div> PROPOSED SINGLE CURB INLET</div> <div> PROPOSED DOUBLE CURB INLET</div> <div> PROPOSED CATCH BASIN</div> <div> PROPOSED STORM CLEANOUT</div> <div> PROPOSED TELEPHONE MANHOLE</div> <div> PROPOSED TELEPHONE PEDESTAL</div> <div> PROPOSED FIRE HYDRANT</div> <div> PROPOSED WATER METER</div> <div> PROPOSED WATER VALVE</div> <div> REMOVE EXISTING BUSH / TREE</div> <div> PROPOSED SLOPE DIRECTION</div>

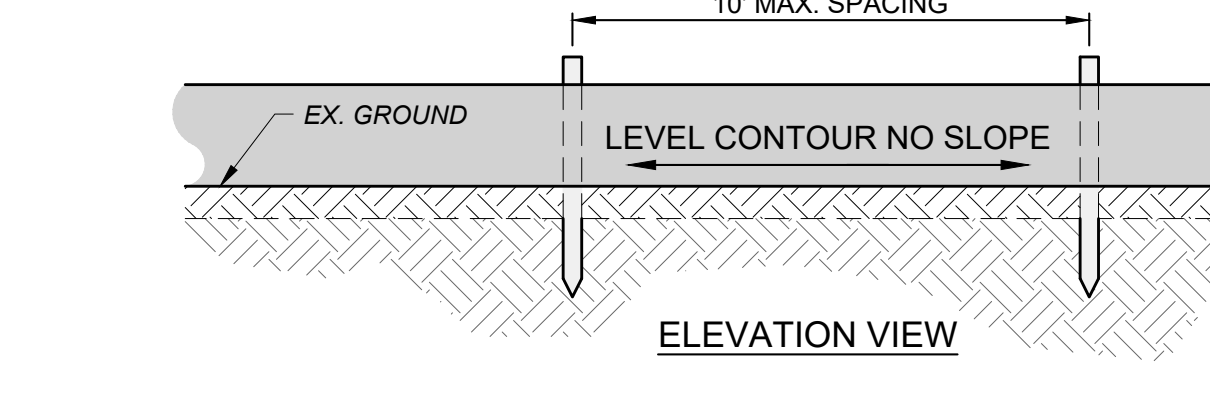
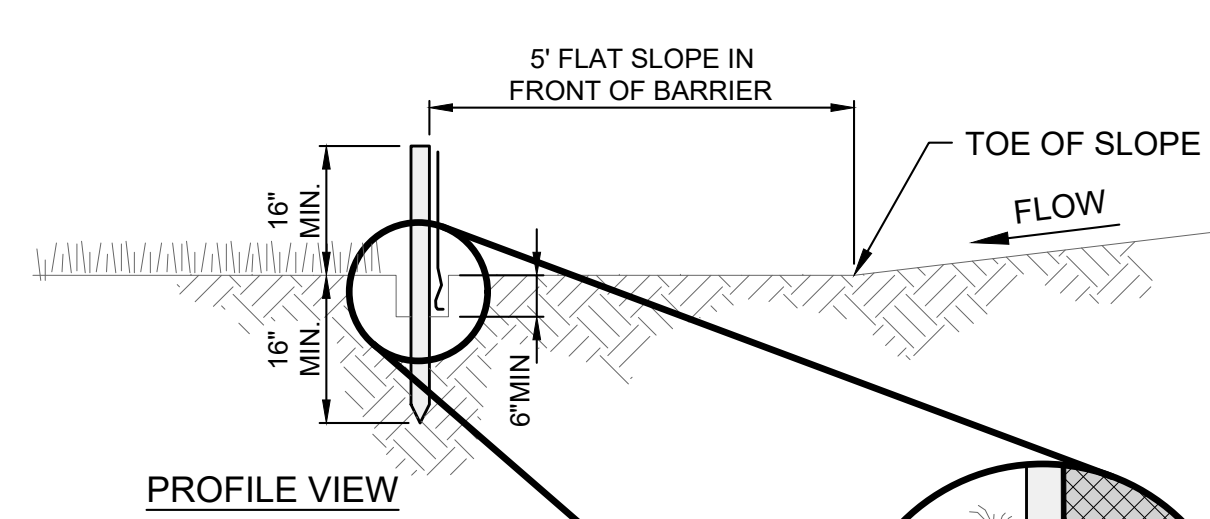
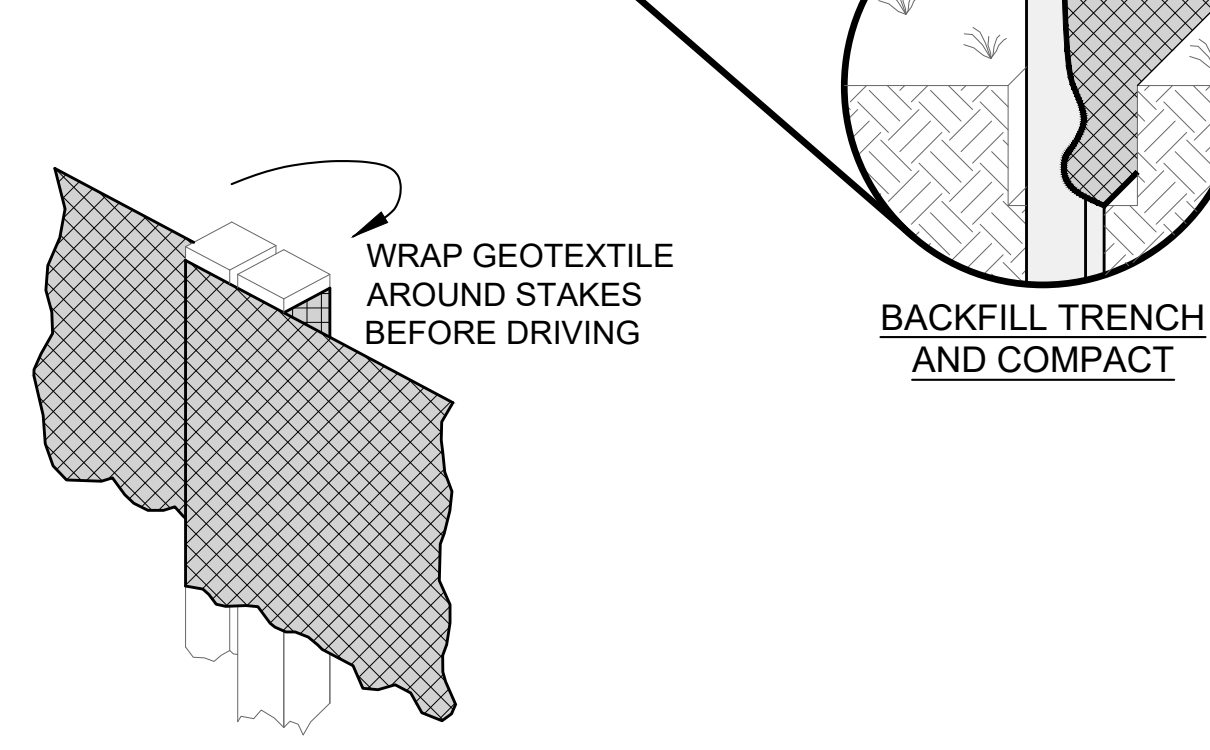
UTILITY CONTACTS		
ELECTRIC VOLUNTEER ENERGY COOPERATIVE 235 O'BRIEN DRIVE CROSSVILLE, TN 38555 MARK EVANS MEVANS@VEC.ORG OFFICE: 931-484-3527	GAS MIDDLE TN NATURAL GAS 348 OLD JAMESTOWN HIGHWAY CROSSVILLE, TN 38557 MARK STENNETT MKCAFERTY@MTPLEASANT-TN.GOV OFFICE: (615) 597-0515 CELL: (931) 293-9111	CABLE CHARTER COMMUNICATIONS 35 WEST BROAD STREER COOKEVILLE, TN 38501 JOE HUNTER JOE.HUNTER@CHARTER.COM OFFICE: (931) 272-2889 CELL: (931) 260-5156
WATER & SEWER CITY OF CROSSVILLE 392 N MAIN ST CROSSVILLE, TN 38555 KEVIN G. DAKES KEVIN.DAKES@CROSSVILLETN.GOV (931) 787-1692	TELECOMMUNICATIONS FRONTIER/CITIZENS COMMUNICATIONS CO 2104 WEST EMORY RD POWELL, TN 37849 JIM HEATHERLY	CABLE VOLFIRST P.O. BOX 670 MCMINNVILLE, TN 38557 RICHARD BOYD RBOYD@BLOMAND.NET (931) 668-6692
STORM CITY OF CROSSVILLE 392 N MAIN ST CROSSVILLE, TN 38555 BILLY MARTIN BMARTIN@CROSSVILLETN.GOV (931) 484-7631	CABLE SPIRIT BROADBAND P.O. BOX 249 COLLEGE GROVE, TN 37046 VINCE, KING VINCE@SPIRITSPIRITBB.COM (615) 368-2115 EXT.29	


SECTION A-A

PLAN VIEW
SINGLE LOCATION FOR SMALL PROJECT

SECTION B-B

PLAN VIEW
TEMPORARY LOCATION FOR MULTIPLE PHASE OR LARGE PROJECT

NOTES:
<div>1. CONCRETE WASHOUT AREA SHALL BE LOCATED A MINIMUM OF 100' FROM STORM SEWER INLETS, STREAMS, WETLANDS OR ANY OTHER SURFACE WATERS OF THE STATE.</div> <div>2. IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO A CONSTRUCTION ENTRANCE.</div> <div>3. CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. LARGE SITES MAY REQUIRE MULTIPLE CONCRETE WASHOUT AREAS.</div> <div>4. PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-ML POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF LARGE ROCKS AND DEBRIS.</div> <div>5. CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.</div> <div>6. CONCRETE WASHOUT AREA SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOW.</div> <div>7. PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE.</div> <div>8. CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR PLASTIC LINING SHALL BE REPAIRED IMMEDIATELY. REPLACE THE ENTIRE CONCRETE WASHOUT AREA WHEN IT IS 75% FULL.</div>

CONCRETE WASHOUT DETAIL
SCALE: NONE

CONCRETE WASHOUT DETAIL
SCALE: NONE

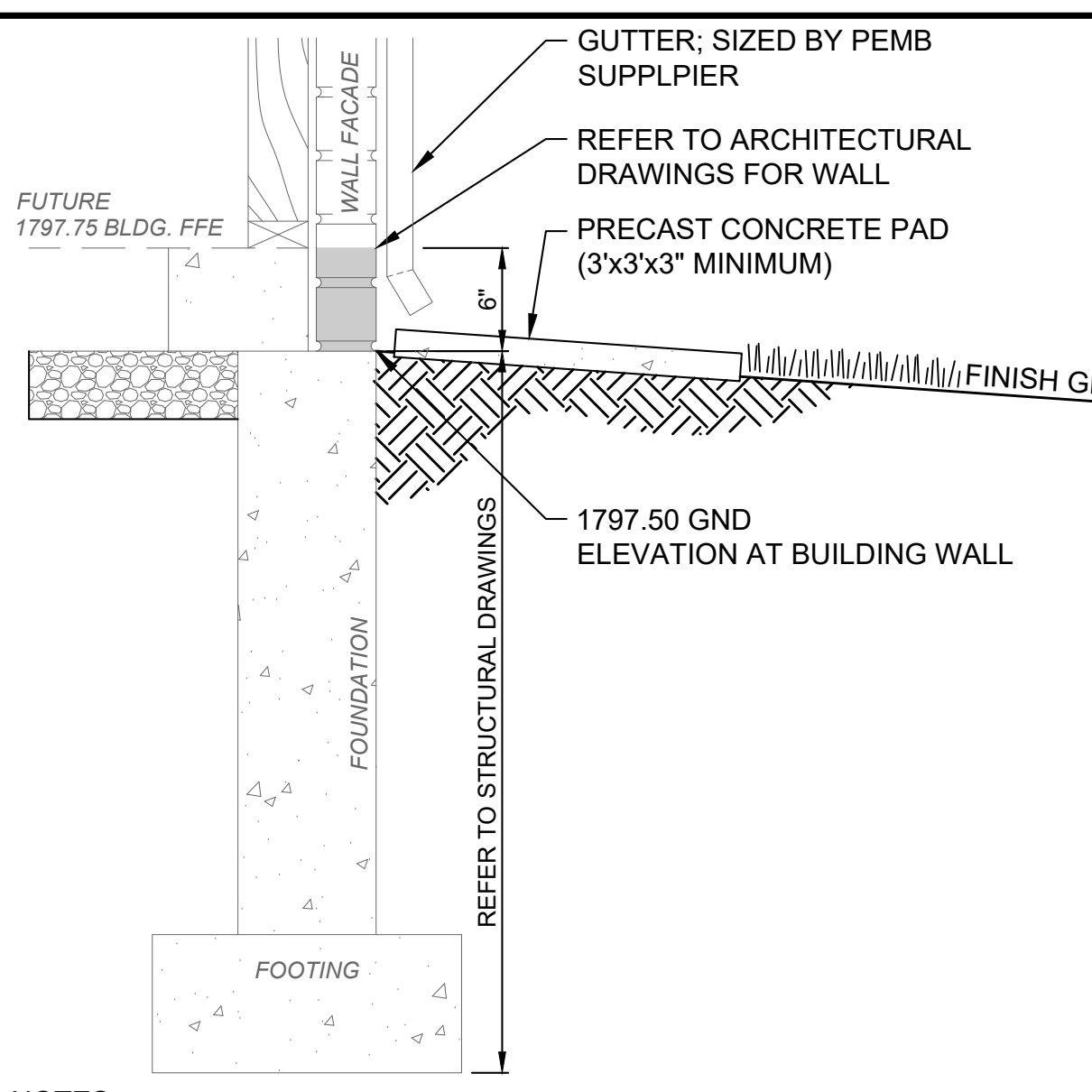

ELEVATION VIEW

PROFILE VIEW

JOINING FENCES

NOTES:

1. PRESERVE VEGETATION FOR 5 FEET OR AS MUCH AS POSSIBLE UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
2. SILT FENCE MAY ONLY PASS RUNOFF AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, THEN CHANGE THE LAYOUT OF THE SILT FENCE, REMOVE ACCUMULATED SEDIMENT OR INSTALL OTHER PRACTICES.
3. SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, VERIFICATION FABRIC IS SECURELY ATTACHED TO FENCE POSTS, AND VERIFICATION FENCE POSTS ARE FIRMLY IN THE GROUND. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED 1/3 THE FENCE HEIGHT.
4. THE MAXIMUM DRAINAGE AREA PER 100 FEET OF SILT FENCE IS 1/2 ACRE AND IS DEPENDENT ON THE SLOPE PER THE CHART BELOW:

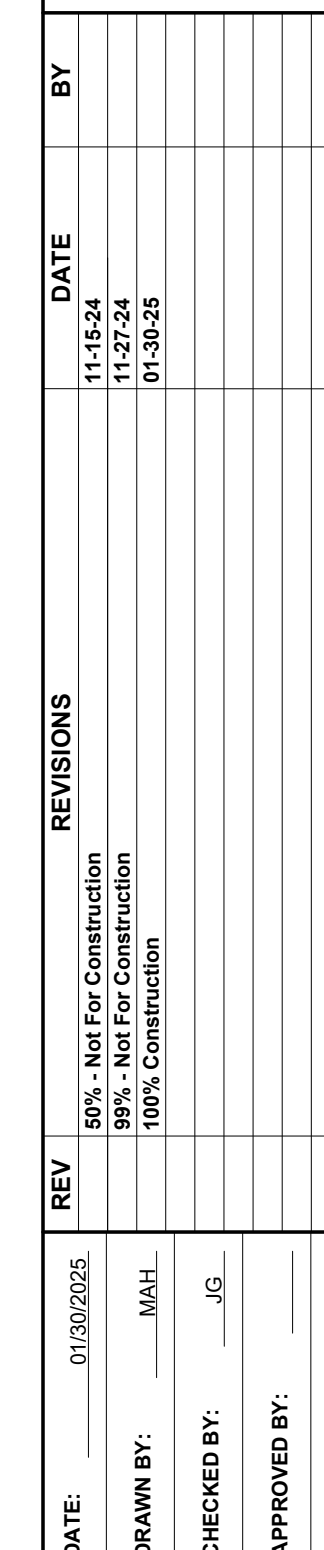
MAX. DRAINAGE AREA (AC.) PER 100-FT OF SILT FENCE (*)	RANGE OF SLOPE PER INDIVIDUAL DRAINAGE AREA
0.50 AC.	<2% (50H:1V)
0.25 AC.	≥2% (50H:1V) BUT <20% (5H:1V)
0.125 AC.	≥20% (5H:1V) BUT <50% (2H:1V)

(*) SILT FENCE CANNOT BE USED FOR SLOPES ≥50% (2H:1V).

SILT FENCE DETAIL
SCALE: NONE


NOTES:
<div>1. THIS DETAIL IS FOR REFERENCE PURPOSES ONLY TO SHOW THE SITE-CIVIL ENGINEER'S DESIGN ASSUMPTIONS TO DETERMINE SITE GRADING AND SPOT GRADES RELATIVE TO THE NEW BUILDING. SEE THE SITE GRADING PLAN FOR CONTOURS AND SPECIFIC SPOT GRADE ELEVATIONS.</div> <div>2. SOME PORTIONS OF THE BUILDING MAY REQUIRE ADDITIONAL FACADE TO MEET THE GRADES SHOWN ON THE GRADING PLAN. THE ARCHITECT, STRUCTURAL ENGINEER AND BUILDING CONTRACTOR SHALL COORDINATE THE AMOUNT OF ADDITIONAL FACADE REQUIRED, IF ANY. THE BOTTOM OF FOOTING ELEVATION MAY NEED INCREASED TO MAINTAIN MINIMUM FROST DEPTH COVER.</div> <div>3. THE BUILDING CONTRACTOR MUST CONFIRM ELEVATIONS BETWEEN ARCHITECTURAL, STRUCTURAL AND SITE-CIVIL PLANS BEFORE BEGINNING FOOTING EXCAVATION. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT, STRUCTURAL ENGINEER AND SITE-CIVIL ENGINEER FOR RESOLUTION.</div>
BUILDING PERIMETER GRADING SITE DESIGN ASSUMPTIONS
SCALE: NONE

<div>PEMB Shell City of Crossville, TN 700 Interchange Drive, Crossville, TN 38555</div>		<div>DATE: 01/28/2025</div> <div>DRAWN BY: MB</div> <div>CHECKED BY: JG</div> <div>APPROVED BY: _____</div> <div>F.B. NO.: _____ PG.: _____</div>		<div>REV</div> <div>DATE</div> <div>BY</div> <div>REVISIONS</div> <div>50% - Not For Construction</div> <div>90% - Not For Construction</div> <div>100% Construction</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> 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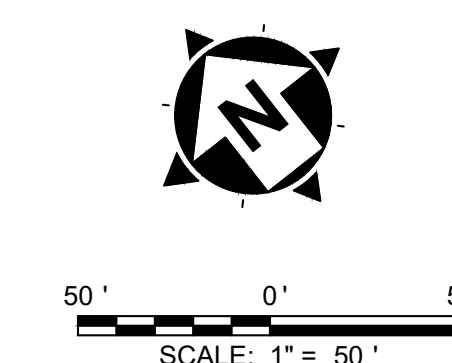
PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555

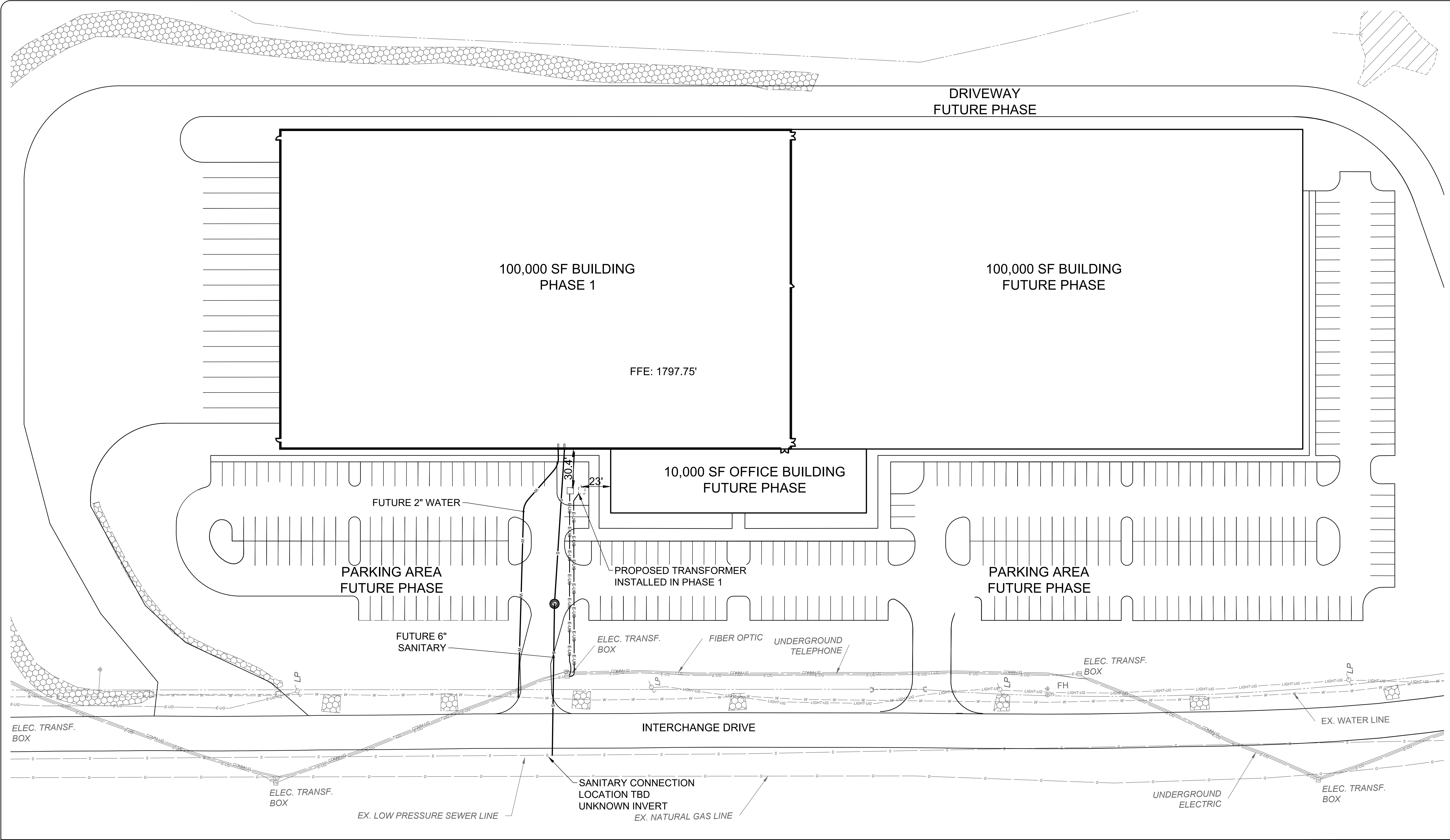
CONTRACT NO:
242551
SHEET
C1.1



SURVEY INFORMATION SHOWN ON THESE PLANS WAS PROVIDED BY THE
CITY OF CROSSVILLE.

<u>PARCEL INFORMATION</u>	
OWNER:	CITY OF CROSSVILLE
PROPERTY ADDRESS:	INTERCHANGE DRIVE CROSSVILLE, TN 38571
PARCEL NUMBER:	074 060.11
TOTAL ACREAGE:	20.14 ACRES
ACREAGE DISTURBED:	241,700 SF (5.5 ACRES)
CURRENT ZONING:	N/A





FOR REFERENCE ONLY

30' 0' 30'

SCALE: 1" = 30'

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555

FUTURE SITE PLAN

CONTRACT NO:	242551
SHEET	C2.1

James G. Gollas, II
Professional Engineer
State of Tennessee

REV	DATE	REVISIONS	BY
1	11/15/24	90% - Not For Construction	
2	11/27/24	95% - Not For Construction	
3	01/29/25	100% Construction	

DATE: 01/29/2025

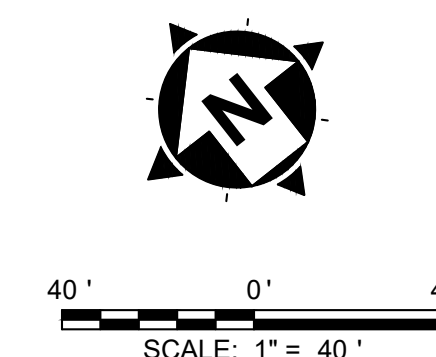
DRAWN BY: MSH

CHECKED BY: JG

APPROVED BY: JG

F.B. NO.: PG.:

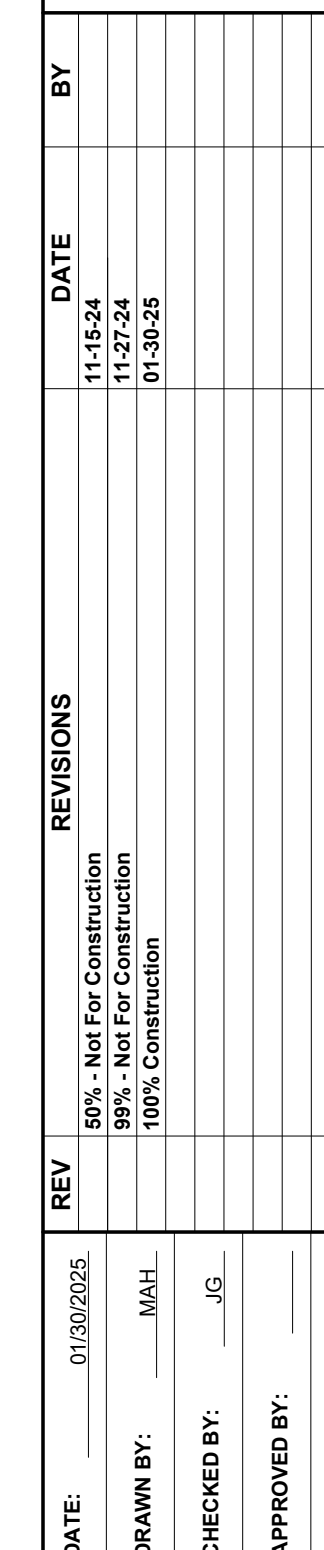
FOR REFERENCE ONLY



REV	DATE:	REVISIONS	DATE	BY
59%	01/30/2025	Not For Construction	11-15-24	
		Partial Construction	11-15-24	
		100% Construction	01-30-25	
DRAWN BY:	MAL			
CHECKED BY:	JG			
APPROVED BY:				

PEMB Shell City of Crossville, TN 700 Interchange Drive, Crossville, TN 38555	FUTURE GRADING LAYOUT PLAN
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CONTRACT NO:
242551
SHEET
C3.1








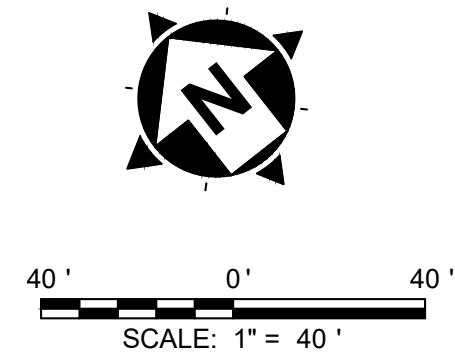
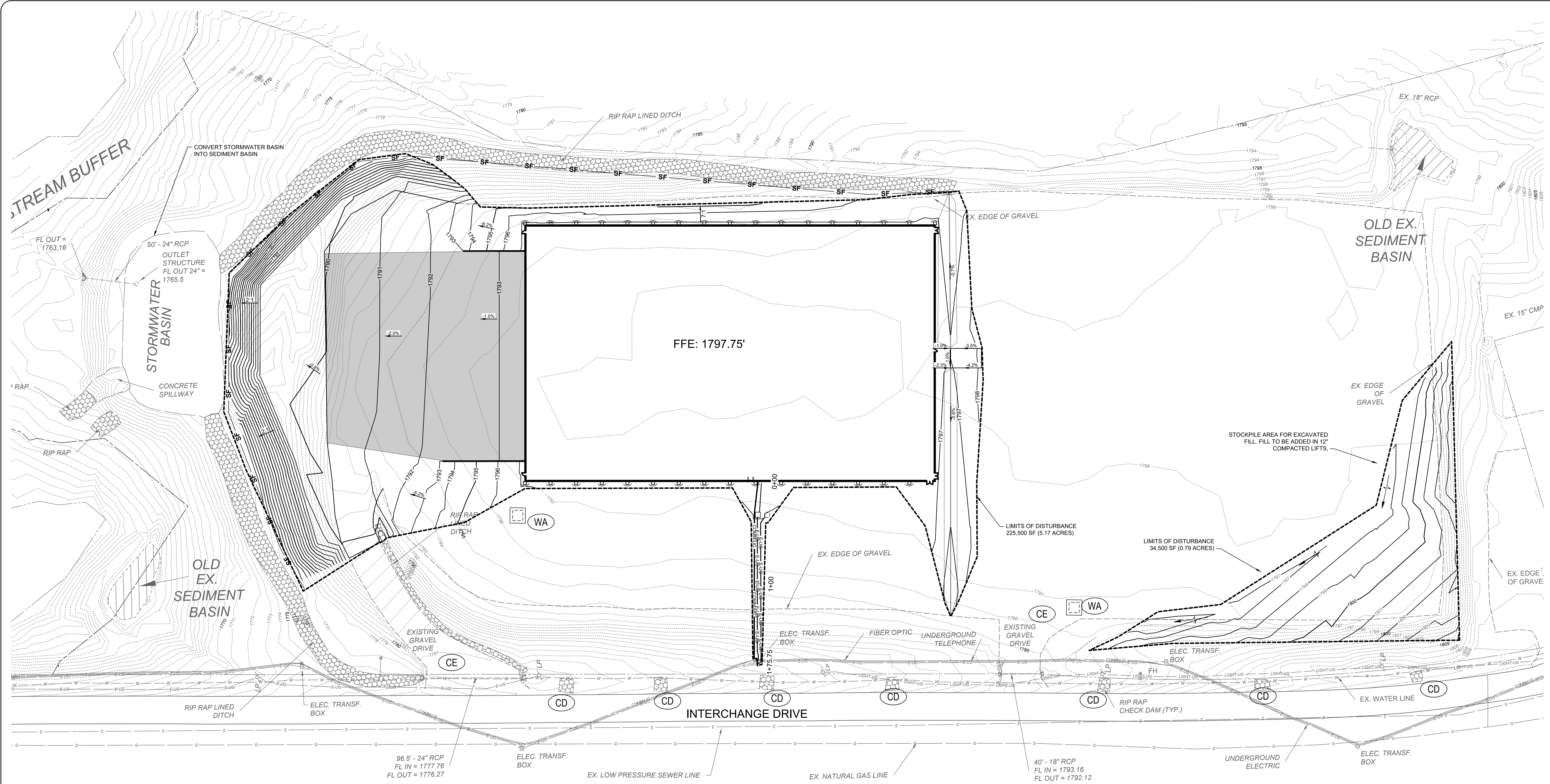
PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555
GRADING LAYOUT PLAN

CONTRACT NO:
242551
SHEET
C3.2

CD CHECK DAM (EXISTING)
 CE CONSTRUCTION ENTRANCE (EXISTING)
 WA CONCRETE WASHOUT
 — PROPOSED SILT FENCE

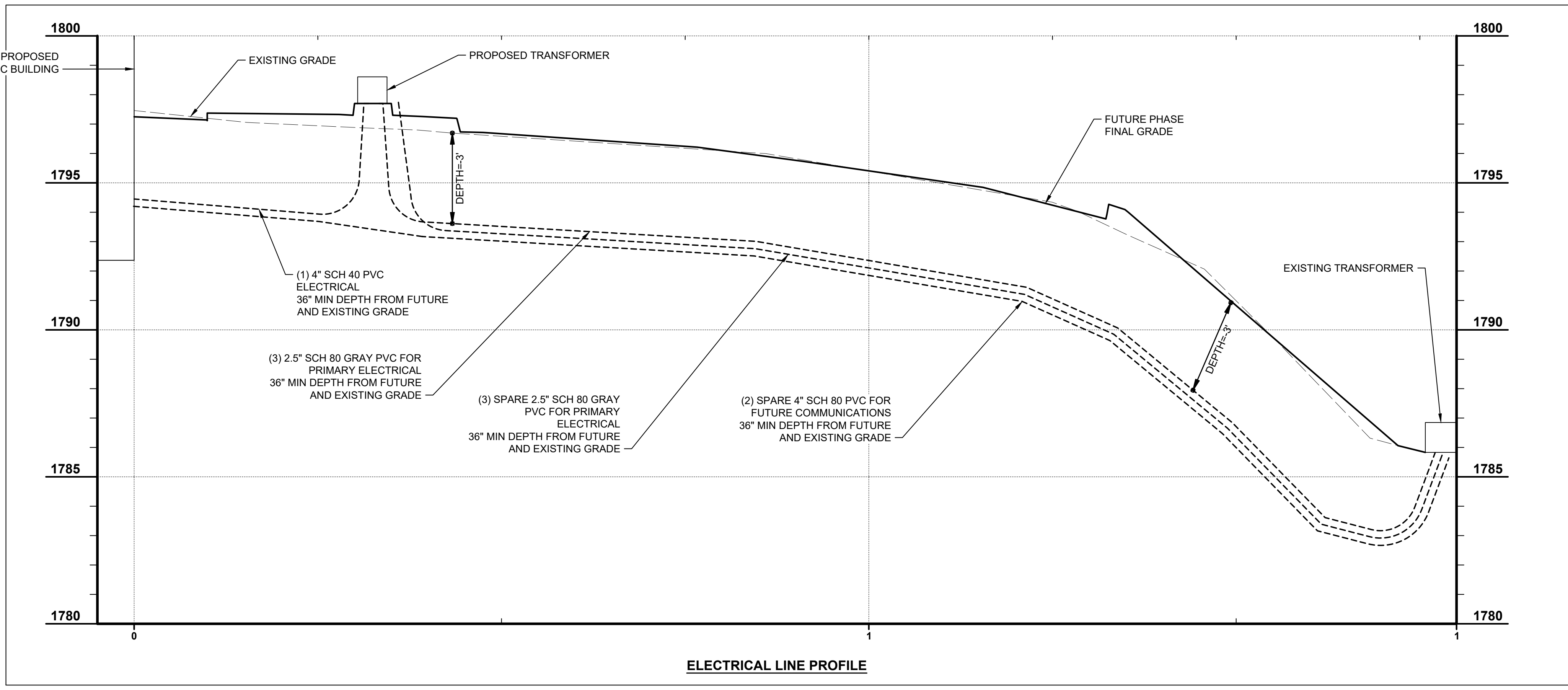
TOP OF SUBGRADE/AGGREGATE ELEVATION IMMEDIATELY ADJACENT TO THE BUILDING AND INSIDE THE BUILDING SHALL BE 1797.25, WHICH IS 6" BELOW FINAL FUTURE GRADE AROUND BUILDING AND FINISHED FLOOR ELEVATION.



EXISTING SPOT ELEVATION	 EL = 232.46
PROPOSED SPOT ELEVATION	 (232.60)
PROPOSED SPOT ELEVATION AT TOP/BACK OF WALL	(232.60TW)
PROPOSED SPOT ELEVATION AT FACE/BOTTOM OF WALL	(232.60BW)
PROPOSED GRADE LABEL	10.8% 
PROPOSED SLOPE LABEL	4:1 
DIRECTION OF FLOW	



EROSION CONTROL LEGEND	
	CHECK DAM (EXISTING)
	CONSTRUCTION ENTRANCE (EXISTING)
	CONCRETE WASHOUT
	PROPOSED SILT FENCE
GENERAL NOTES	
TOP OF SUBGRADE/AGGREGATE ELEVATION IMMEDIATELY ADJACENT TO THE BUILDING AND INSIDE THE BUILDING SHALL BE 1797.25, WHICH IS 6" BELOW FINAL FUTURE GRADE AROUND BUILDING AND FINISHED FLOOR ELEVATION.	

GRADING LEGEND	
EXISTING SPOT ELEVATION	EL = 232.46
PROPOSED SPOT ELEVATION	232.60
PROPOSED SPOT ELEVATION AT TOP/BACK OF WALL	232.60TW
PROPOSED SPOT ELEVATION AT FACE/BOTTOM OF WALL	232.60BW
PROPOSED GRADE LABEL	10.8%
PROPOSED SLOPE LABEL	4:1
DIRECTION OF FLOW	





REV	DATE	BY	REVISIONS
01	11/15/24		90% - Not For Construction
02	11/27/24		95% - Not For Construction
03	01/28/25		100% Construction

DATE:	01/28/2025
DRAWN BY:	MAH
CHECKED BY:	JG
APPROVED BY:	
F.B. NO.:	PG.:

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555

OVERALL GRADING LAYOUT PLAN

CONTRACT NO:	242551
SHEET	C3.3



verdantas


TOMMY BROWN ARCHITECTURE PLLC
www.tbarchitecturepllc.com
615.513.3125


DATE:	01-31-25	REV	REVISIONS	DATE	BY
DRAWN BY:	Author	90% - Not For Construction	11-15-24	11-15-24	
CHECKED BY:	Checker	95% - Not For Construction	12-27-24	12-27-24	
APPROVED BY:	Approve	Permit Set	01-12-25	01-12-25	
F.B. NO.	PG.				

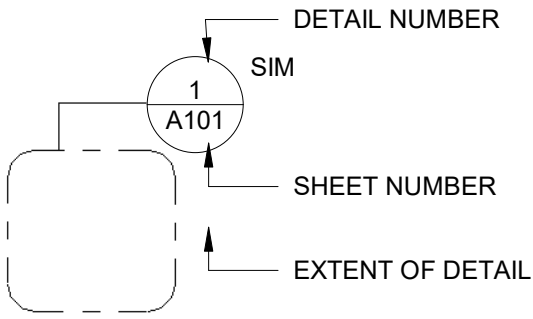
PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555
GENERAL NOTES & REFERENCE


Discipline
Architecture
SHEET
AG0.1


GRAPHIC SYMBOLS


WALL TYPE TAG 

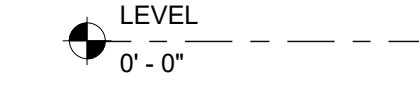
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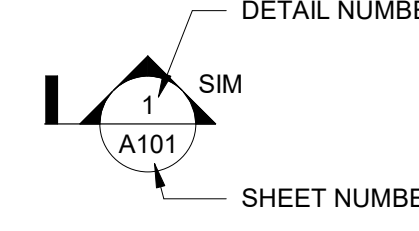
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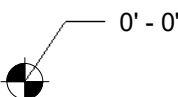
DOOR TAG 


ROOM & SPACE TAG 



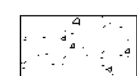




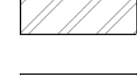

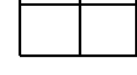
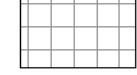
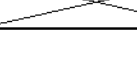
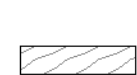
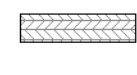


COLUMN GRIDLINE 

ELEVATION MARK 

SECTION CALLOUT 

SPOT ELEVATION MARK 



















REVISION CLOUD & TAG 

CMU	
BRICK	
CONCRETE	
MORTAR/GROUT	
EARTH	
GRAVEL	
STEEL	
GLASS	
ACOUSTIC TILE	
RIGID INSULATION	
LUMBER/BLOCKING	
MEMBRANE/FLEXIBLE FLASHING	
FINISH WOOD	
PLYWOOD	
GYPSUM BOARD	
BATT INSULATION	

ABBREVIATIONS

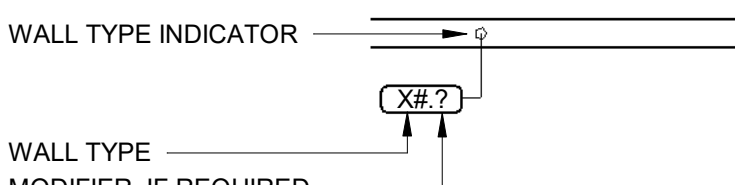
A/C	AIR CONDITIONING	MAS	MASONRY
ACT	ACOUSTICAL TILE	MAX	MAXIMUM
ADJ	ADJACENT	MATL	MATERIAL(S)
AFF	ABOVE FINISH FLOOR	MECH	MECHANICAL
ALT	ALTERNATE	MTL	METAL
AL	ALUMINUM	MFR	MANUFACTURE(R)
ARCH	ARCHITECT	MIN	MINIMUM
AV	AUDIO VISUAL	MISC	MISCELLANEOUS
BD	BOARD	MO	MASONRY OPENING
BL	BUILDING LINE	MTD	MOUNTED
BULDG	BUILDING	NIC	NOT IN CONTRACT
BLK	BLOCK	NOM	NOMINAL
BLKG	BLOCKING	NTS	NOT TO SCALE
BM	BENCHMARK	OC	ON CENTER(S)
BO	BOTTOM OF	OD	OUTSIDE DIAMETER
BOT	BOTTOM	OH	OVERHEAD
CELS	CELLS	OPNG	OPENING
CIP	CAST-IN-PLACE	OPP	OPPOSITE
CJ	CONTROL JOINT	PL	PLASTIC LAMINATE
CLR	CLEARANCE	PLS	PLUMB
CMU	CONCRETE MASONRY UNIT	PLYWD	PLYWOOD
CO	CASED OPENING or CLEANOUT	PT	PRESSURE TREATED
COL	COLUMN	POLY	POLYETHYLENE
CONC	CONCRETE	P	PAINT(ED)
CONST	CONSTRUCTION	PVC	POLYVINYL CHLORIDE
CONT	CONTINUOUS	QT	QUARRY TILE
COORD	COORDINATE	R	RISER or RADIUS
CP	CARPET	RB	RUBBER BASE
CTR	CENTER	RD	ROOF DRAIN
C	CENTERLINE	REF	REFERENCE
D	DEEP, DEPTH	REFQ	REFRIGERATOR
DEMO	DEMOLISH, DEMOLITION	REQD	REQUIRED
DTL	DETAIL	REV	REVISED, REVISION
DF	DRINKING FOUNTAIN	RO	ROUGH OPENING
DIA	DIAMETER	RT	RUBBER TILE
DM	DIMENSION	RTU	ROOF TOP UNIT
DN	DOWN	SC	SEALED CONCRETE
DS	DOWNSPOUT	SCHD	SCHEDULE
DWG	DRAWING	SECT	SECTION
EIPS	EXTERIOR INSULATION FINISH SYSTEM	SFRM	SPRAY-ON FIRE RESITIVE MATERIAL
EJ	EXPANSION JOINT	SHT	SHEET
EL	ELEVATION	SHWR	SHOWER
ELEV	ELEVATION	SHW	SIMILAR
ELEC	ELECTRIC(AL)	SPEC	SPECIFICATION(S)
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	SQ	SQUARE
EQ	EQUAL	SS	STAINLESS STEEL
EQUIP	EQUIPMENT	STD	STANDARD
EW	ELECTRIC WATER COOLER	STFR	STOREFRONT
EXH	EXHAUST	STC	STAINED CONCRETE
EXT	EXTERIOR	STRUCT	STRUCTURE, STRUCTURAL
F	FLOOR DRAIN	SV	SHEET VINYL
FD	FIRE EXTINGUISHER	SVS	SYSTEM
FEC	FIRE EXTINGUISHER CABINET	T	TREAD
FFE	FINISHED FLOOR ELEVATION	TELE	TELEPHONE
FRN	FINISHED	THRU	THROUGH
FLG	FLASHING	TLT	TILE
FLR	FLOORING, FLOOR	TO	TOP OF
FO	FACE OF	TYP	TYPICAL
FP	FIRE PROTECTION	T&G	TONGUE AND GROOVE
FTG	FOOTING	UND	UNLESS NOTED OTHERWISE
GA	GAUGE	VCT	VINYL COMPOSITION TILE
GALV	GALVANIZED	VERT	VERTICAL
GBW	GYPSUM WALL BOARD	VIF	VERIFY IN FIELD
HT	HEIGHT	VINYL	VINYL TILE
HC	HANDICAP	VTR	VENT THROUGH ROOF
HOL	HOLLOW METAL	W	WIDTH, WIDE
HORIZ	HORIZONTAL	WC	WATER CLOSET
HVAC	HEATING/VENTILATION & AIR CONDITIONING	WD	WOOD
INSUL	INSULATION	WH	WATER HEATER
INT	INTERIOR	WWF	WELDED WIRE FABRIC
JT	JOINT	W	WITH
L	LONG LENGTH	W/O	WITHOUT
LAM	LAMINATE(D)		
LAV	LAVATORY		
LT	LIGHT		
LVR	LOUVER		

WALL TYPES

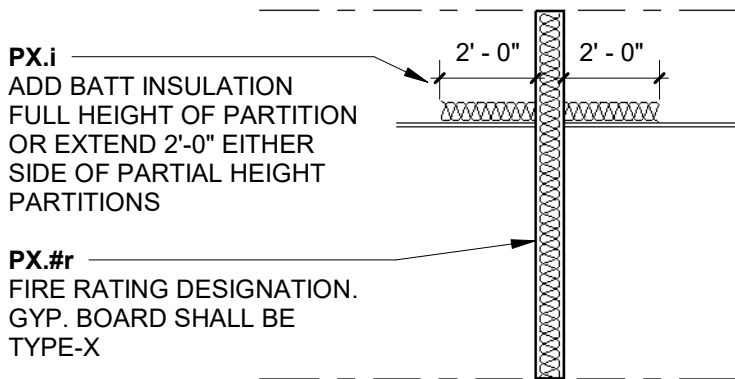
	3 5/8" MTL. STUDS @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD. EACH SIDE
	6" MTL. STUDS @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD. EACH SIDE
	7/8" HAT CHANNEL @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD.
	1 1/2" HAT CHANNEL @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD.
	2 1/2" METAL STUDS @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD.
	3 5/8" METAL STUDS @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD.
	6" METAL STUDS @ 16" O.C. + ONE (1) LAYER 5/8" GYP. BD.
	6" CMU, SEE STRUCT FOR REINFORCING
	8" CMU, SEE STRUCT FOR REINFORCING
	12" CMU, SEE STRUCT FOR REINFORCING
	3 5/8" BRICK VENEER + 1 1/2" AIR SPACE + LIQUID APPLIED VAPOR BARRIER + 8" CMU
	3 5/8" BRICK VENEER + 1 1/2" AIR SPACE + AIR BARRIER + 1/2" SHEATHING + 6" MTL. STUDS @ 16" O.C. + ONE LAYER 5/8" GYP. BD.
	5 1/2" CONCRETE TILT-UP WALL, SEE STRUCT FOR REINFORCING
	7 1/4" CONCRETE TILT-UP WALL, SEE STRUCT FOR REINFORCING
	9 1/4" CONCRETE TILT-UP WALL, SEE STRUCT FOR REINFORCING
	8 1/2" GIRT + 2" METAL PANEL
	10" GIRT + 2" METAL PANEL
	11 1/2" GIRT + 2" METAL PANEL

LEGEND

1 HOUR FIRE RATED	
2 HOUR FIRE RATED	
4 HOUR FIRE RATED	



MODIFIER KEY

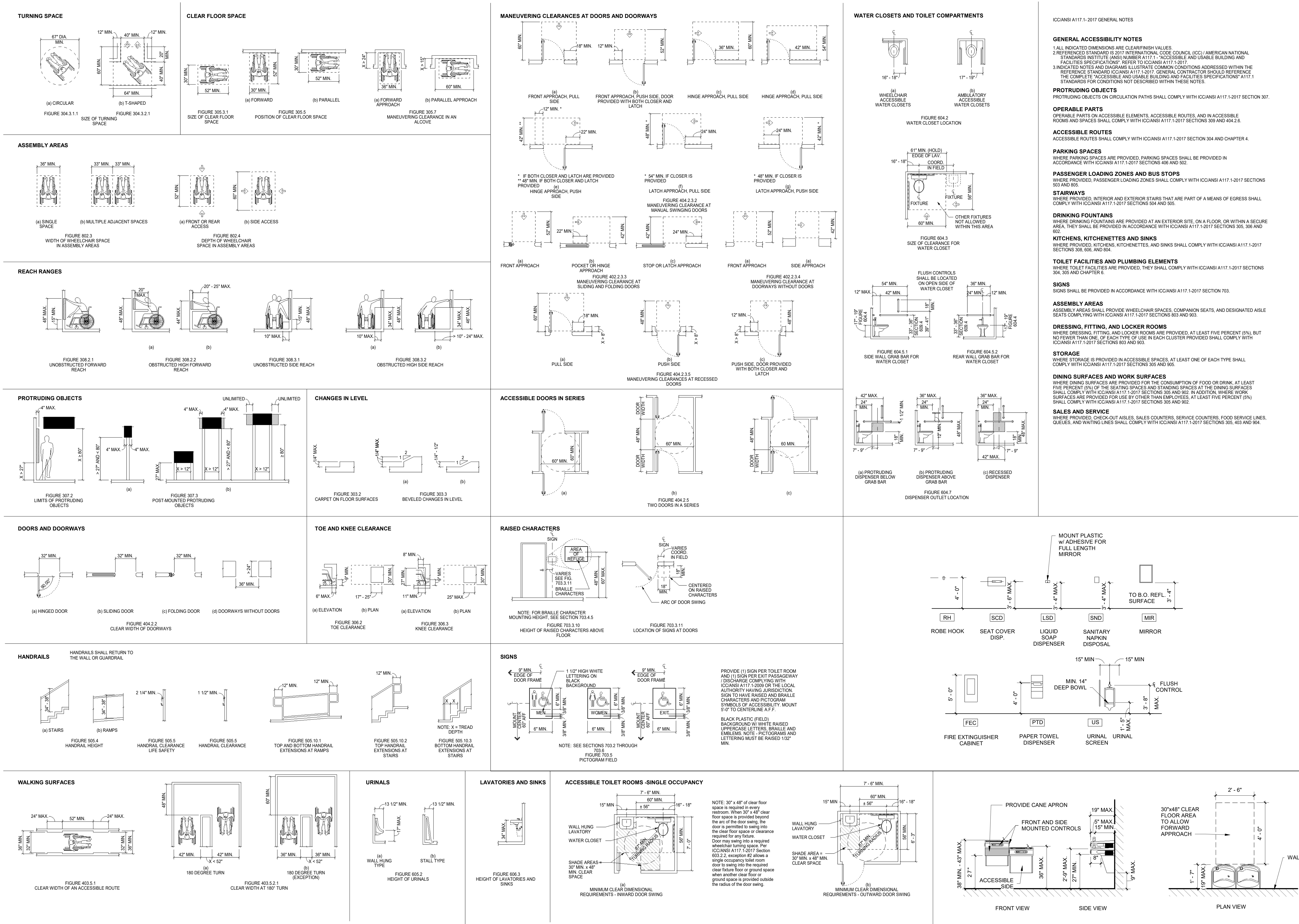


WALL NOTES

- ALL INTERIOR PARTITION WALLS AND FURRING SHALL EXTEND TO BOTTOM OF STRUCTURE ABOVE, UNLESS SPECIFICALLY NOTED OTHERWISE.
- SEE STRUCTURAL FOR ADDITIONAL INFORMATION ON WALL TYPES.

GENERAL NOTES

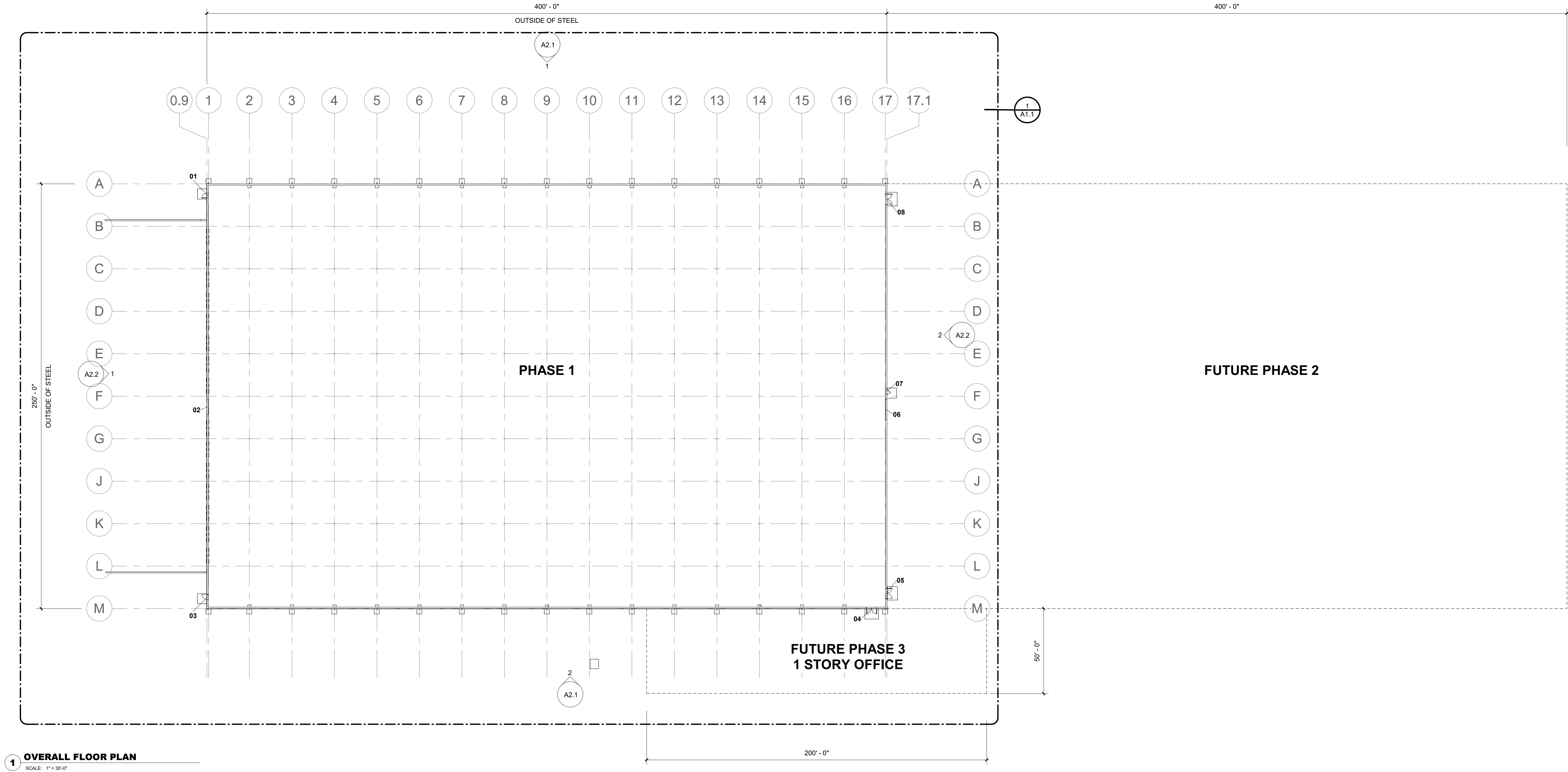
- THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS AND CODES. OBTAIN ALL NECESSARY PERMITS. PAY ALL FEES AND GIVE ALL NOTICES REQUIRED FOR EXECUTION OF THE WORK PRIOR TO BEGINNING THE WORK.
- THE LOCATION AND SIZE OF EXISTING UTILITIES SHOWN ON THESE CONSTRUCTION PLANS IS APPROXIMATE ONLY. OTHER UTILITIES MAY EXIST AND MAY NOT BE SHOWN, OR MAY VARY FROM LOCATIONS SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO VERIFY LOCATION AND SIZE OF ANY AND ALL UNDERGROUND OR OVERHEAD UTILITIES. NO GUARANTEES ARE EXPRESSED OR IMPLIED WITH RESPECT TO UTILITY LOCATIONS AND SIZES SHOWN HEREIN.
- IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE CONSTRUCTION PLANS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY DESIGNER BEFORE PROCEEDING WITH THE WORK. IF DESIGNER IS NOT NOTIFIED, THE CONTRACTOR SHALL ASSUME AND TAKE RESPONSIBILITY FOR THE COST OF ANY REVISION AND ANY OTHER DAMAGES OR COSTS STEMMING THEREFROM.
- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VERIFY THAT ACTUAL SITE CONDITIONS (INCLUDING, BUT NOT LIMITED TO, ELEVATIONS, GRADES AND DIMENSIONS) ARE CONSISTENT WITH THE EXISTING CONDITIONS DEPICTED ON THESE CONSTRUCTION PLANS. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS ARE FOUND IN THE CONSTRUCTION PLANS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL TO NOTIFY THE DESIGNER AND OWNER BEFORE PROCEEDING WITH THE WORK. COMMENCEMENT OF CONSTRUCTION BY THE CONTRACTOR SHALL INDICATE THAT THE CONTRACTOR ACCEPTS THE ACTUAL SITE CONDITIONS AS MATCHING EXISTING CONDITIONS DEPICTED ON THE CONSTRUCTION PLANS.
- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VERIFY ANY AND ALL DIMENSIONS, WIDTHS, HEIGHTS, SQUARE FOOTAGES, AND ANY OTHER CALCULATIONS DEPICTED ON THESE CONSTRUCTION PLANS. NO GUARANTEES ARE EXPRESSED OR IMPLIED WITH RESPECT TO SQUARE FOOTAGES REPRESENTED ON THESE CONSTRUCTION PLANS.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED DURING THE PREPARATION OF THESE CONSTRUCTION PLANS AND NO REPRESENTATION IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND CONTAINERS, FACILITIES, WELLS, SINK HOLES, GRAVE SITES, DEBRIS OR ANY OTHER SUBSURFACE CONDITION THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROJECT.
- THE DESIGNER, OR ARCHITECT DOES NOT GUARANTEE THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED. DETERMINATION OF THE SUITABILITY OF SUBSURFACE CONDITIONS FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR.
- THE DESIGNER, OR ARCHITECT DOES NOT GUARANTEE THE WORK OF ANY CONTRACTOR OR SUBCONTRACTOR, SHALL HAVE NO AUTHORITY TO STOP WORK, SHALL HAVE NO AUTHORITY TO DIRECT WORK, SHALL NOT BE RESPONSIBLE FOR JOB SITE SAFETY, OR HAVE ANY CONTROL OVER JOB SITE SAFETY.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO ACCOMPLISH THE PROPOSED IMPROVEMENTS SHOWN ON THESE CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL VERIFY THAT THERE ARE NO CONFLICTS WITH EXISTING OR PROPOSED UNDERGROUND OR OVERHEAD UTILITY LINES OR EASEMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE TENNESSEE UNDERGROUND UTILITY DAMAGE PREVENTION ACT (ONE-CALL) AND FOR ESTABLISHING THE EXACT VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK IN A MANNER THAT WILL NOT CAUSE DAMAGE TO EXISTING UTILITIES THAT ARE TO REMAIN. TO THE EXTENT ANY EXISTING UTILITIES ARE DAMAGED, CONTRACTOR SHALL REPAIR ALL DAMAGE ACCORDING TO LOCAL STANDARDS AT THE CONTRACTOR'S EXPENSE. DESIGNER IS NOT RESPONSIBLE FOR ANY DAMAGES AS A RESULT OF CONTRACTOR'S FAILURE TO COORDINATE UTILITY WORK.
- NECESSARY AND SUFFICIENT BARRICADES, LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL MEASURES AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH ALL APPLICABLE RULES, REGULATIONS, AND CODES WITH RESPECT TO STORM WATER DISCHARGES, OR SEDIMENT OR EROSION CONTROL, THROUGHOUT CONSTRUCTION. THE GRADING CONTRACTOR SHALL USE WHATEVER MEASURES ARE REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL EROSION, CONSERVATION AND SILTATION ORDINANCES.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES. THE DESIGNER IS NOT RESPONSIBLE FOR ANY EROSION OR SEDIMENT PROBLEMS ENCOUNTERED DURING CONSTRUCTION.
- ARCHITECT IS NOT RESPONSIBLE OR LIABLE FOR STRUCTURAL ENGINEERING, MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING, PLUMBING ENGINEERING, CIVIL ENGINEERING, LANDSCAPE ARCHITECTURE, FIRE PROTECTION DESIGN AND ANY DAMAGE RESULTING FROM EXTREME WEATHER.
- ARCHITECT IS NOT RESPONSIBLE OR LIABLE FOR THE SELECTION OR PERFORMANCE AND ANY MATERIALS, FIXTURES, ETC. IN THIS PROJECT.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL MATERIALS PER MANUFACTURERS INSTRUCTIONS.
- PEMB SUPPLIER IS RESPONSIBLE FOR ANY WATER PROOFING DETAILING, MOISTURE CONTROL DESIGN, AIR INFILTRATION DESIGN OR ANY OTHER SIMILAR ISSUES AS RELATED TO THE PERFORMANCE OF THE BUILDING.
- PEMB SUPPLIER IS RESPONSIBLE AND LIABLE FOR ANY ROOF DRAINAGE DESIGNS OR PERFORMANCE OR ANY FLASHING DETAILING AT THE EXTERIOR OF THE BUILDING.
- PEMB SUPPLIER IS RESPONSIBLE FOR PERFORMANCE OF ROOF AND ROOF DETAILING.
- ALL MATERIALS INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND INDUSTRY STANDARD CONSTRUCTION METHODS SHALL BE USED ON PROJECT UNLESS OTHERWISE SPECIFIED
- ALL SIDING FINAL SELECTIONS AND OTHER EXTERIOR BUILDING MATERIAL SELECTIONS ARE THE RESPONSIBILITY OF THE OWNER, PEMB SUPPLIER, AND GENERAL CONTRACTOR.
- G.C. AND PEMB SUPPLIER ARE RESPONSIBLE TO REVIEW THE DRAWINGS TO IDENTIFY ANY COORDINATION ITEMS WITH THE PEMB STRUCTURE AND STRUCTURAL FOUNDATION DETAILS AND DRAWINGS.
- THE G.C. SHALL CHECK, VERIFY, AND MAINTAIN ALL DIMENSIONS, GRADES, LEVELS AND OTHER CONDITIONS BEFORE PROCEEDING WITH FABRICATION. THE G.C. SHALL REPORT ANY ISSUES TO THE PROPER PERSON BEFORE PROCEEDING WITH THE WORK.
- CHANGES: ANY CHANGES TO THE DESIGN IS THE RESPONSIBILITY OF THE G.C. AND OWNER TO CONTACT THE ARCHITECT AND OTHER ENGINEERS.
- THE G.C. SHALL EXAMINE ALL DRAWINGS FOR REQUIRED OPENINGS. THE G.C. SHALL VERIFY THE SIZE AND LOCATION OF ALL OPENINGS WITH ALL SUBCONTRACTORS PRIOR TO PERFORMING THE WORK AND IS RESPONSIBLE FOR ALL FLASHING AND WATER PROOFING OF ALL OPENINGS.
-
- ALL PARTS OF THE WORK, INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC. MUST COMPLY WITH THE MINIMUM REQUIREMENTS OF THE GOVERNING REGULATIONS OF ALL FEDERAL, STATE, DISTRICT, AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS.
- THE ARCHITECTURAL DRAWINGS ARE A PART OF A LARGER SET OF DRAWINGS. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE G.C. IT IS THE G.C.'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES, AND SUPPLIERS WITH THE REQUIREMENTS OF THE DRAWINGS AND CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE DRAWINGS AND CONTRACT DOCUMENTS, WHICH MIGHT EFFECT THE WORK OF THAT PARTY. THE G.C. IS RESPONSIBLE FOR ASSURING THAT ALL SUBCONTRACTORS, TRADES, ETC. ARE AWARE OF THEIR PORTION OF THE WORK ON THE PROJECT.



REV	DATE	BY	REVISIONS
01	11/15/24	Author	90% - Not For Construction
02	12/27/24	Checker	90% - Not For Construction
03	01/12/25	Approver	Permit Set

DATE:	01/13/25	DATE:	01/13/25
DRAWN BY:	Author	CHECKED BY:	Checker
APPROVED BY:	Approver	F.B. NO.	P.G.

13/1/2025 4:38:54 PM



1 OVERALL FLOOR PLAN
SCALE: 1" = 30'-0"

DOOR SCHEDULE

MARK	DOOR SIZE				FRAME			DOOR FIRE RATING	DOOR HARDWARE	DOOR SIGNAGE	COMMENTS
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	MATERIAL	TYPE				
01	F	3'-0"	7'-0"	0'-1 3/4"	HM	HM	TBD		TBD		Insulated HM; No Windows
02	OH-C	9'-0"	10'-0"	0'-1 1/2"	TBD	TBD	TBD		TBD		Manual; Insulated
03	F	3'-0"	7'-0"	0'-1 3/4"	HM	HM	TBD		TBD		Insulated HM; No Windows
04	F	6'-0"	7'-0"	0'-1 3/4"	HM	HM	TBD		TBD		Insulated HM; No Windows
05	F	6'-0"	7'-0"	0'-1 3/4"	HM	HM	TBD		TBD		Insulated HM; No Windows
06	OH-C	12'-0"	14'-0"	0'-1 1/2"	TBD	TBD	TBD		TBD		Motorized; Insulated
07	F	3'-0"	7'-0"	0'-1 3/4"	HM	HM	TBD		TBD		Insulated HM; No Windows
08	F	6'-0"	7'-0"	0'-1 3/4"	HM	HM	TBD		TBD		Insulated HM; No Windows

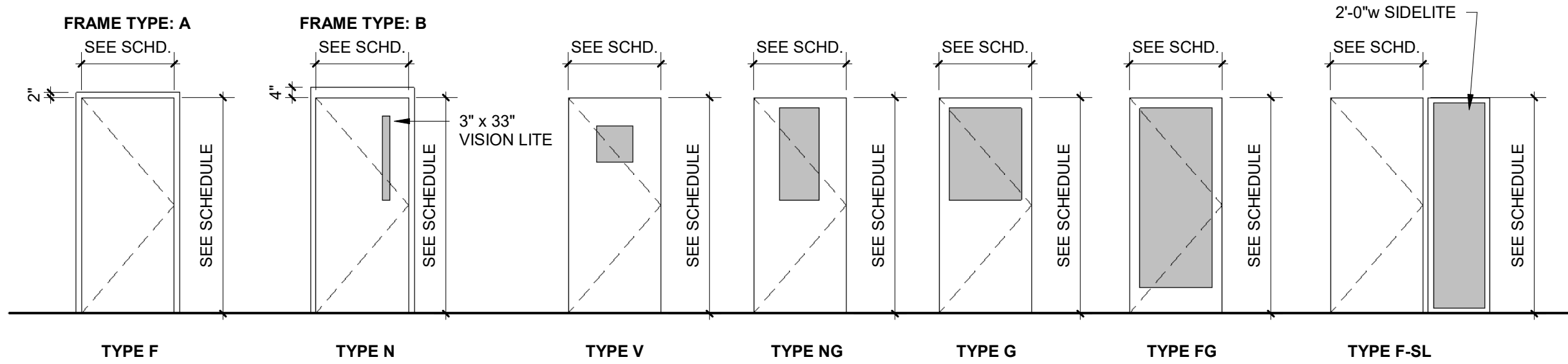
NOTE: THE G.C. IS RESPONSIBLE TO COORDINATE A MEETING WITH OWNERS AND DOOR & DOOR HARDWARE REPRESENTATIVE TO ENSURE CORRECT SELECTIONS AND FUNCTIONALITY OF EACH DOOR.

GENERAL FLOOR PLAN NOTES

- DRAWINGS PROVIDED FOR SHELL PERMIT ONLY
- INSULATION FOR PEMB TO BE FOR CODE COMPLIANT FOR A FUTURE FULLY CONDITIONED SPACE
- SEE SHEET A0.0 - LIFE SAFETY PLAN FOR FIRE EXTINGUISHER NOTES AND LOCATIONS
- CLEAR HEIGHT REQUIREMENT IS 32'-0"
- D.S. = DOWNSPOUT; FINAL SIZE AND QUANTITY TO BE DETERMINED BY PEMB SUPPLIER; EXIT POINT CONDITION TBD BY CIVIL ENGINEER; REFER TO CIVIL DRAWINGS
- LOUVERS TO HAVE SECURITY SCREEN / BARS AT EXTERIOR; INSTALL AND FLASH PER MANUFACTURE'S INSTRUCTIONS

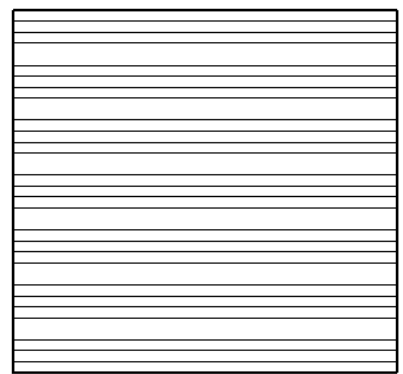
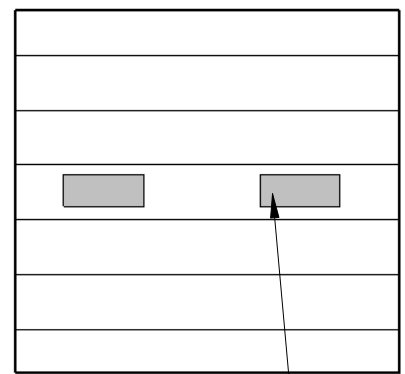
ALL METAL BUILDING ELEMENTS SHOWN PROVIDED AS REFERENCE. PRE-ENGINEERED METAL BUILDING MANUFACTURER TO SUPPLY FULL BUILDING PACKAGE, INCLUDING BUT NOT LIMITED TO: STRUCTURAL COLUMNS, FRAMING BRACING, CLIPS, TIES, ROOF SYSTEM & WALL PANEL SYSTEMS. MANUFACTURER TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL, AS WELL AS PROVIDING FINAL ENGINEERED STAMPED DRAWINGS. PEMB SUPPLIER WILL BE REQUIRED TO DESIGN FOR THE POSSIBILITY OF A FUTURE SPRINKLER SYSTEM TO BE INSTALLED INCLUDE INSULATION FOR A FULLY CONDITIONED SPACE COMPLYING WITH 2018 IECC PEMB SUPPLIER REQUIRED TO REVIEW STRUCTURAL FOUNDATION DETAILS FOR CORRECT COORDINATION WITH BASEPLATES AND PEMB STRUCTURAL ELEMENTS.

DOOR TYPES



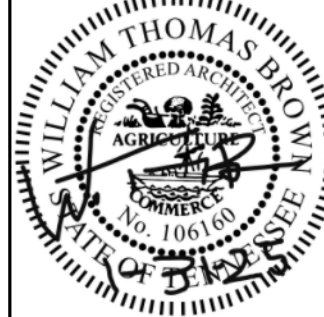
ABBREVIATION KEY

DOOR NOTES



- F FLUSH
N NARROW VISION
V VISION LITE (SQUARE)
HG HALF GLASS
FG FULL GLASS
NG HALF GLASS (NARROW)
OH-S SECTIONAL OVERHEAD DOOR
OH-C COILING DOOR
HM HOLLOW METAL
HMG HOLLOW METAL, GALVANIZED
STL STEEL
ALUM ALUMINUM
TEMP TEMPERED GLASS
WG WIRE GLASS
SCWD SOLID CORE WOOD

- HOLLOW METAL DOORS TO BE 18 GAUGE.
- EXTERIOR HINGES TO BE NON-FERROUS.
- EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE GALVANIZED.
- EXTERIOR HOLLOW METAL DOORS TO BE 1 INSULATED
- ALL GLAZING IN DOORS SHALL BE TEMPERED, U.N.G.
- EXTERIOR STOREFRONT DOORS TO RECEIVE CYLINDERS AS REQUIRED, BALANCE OF HARDWARE BY DOOR VENDOR.
- ALL INTERIOR WOOD DOORS TO BE STAINED.

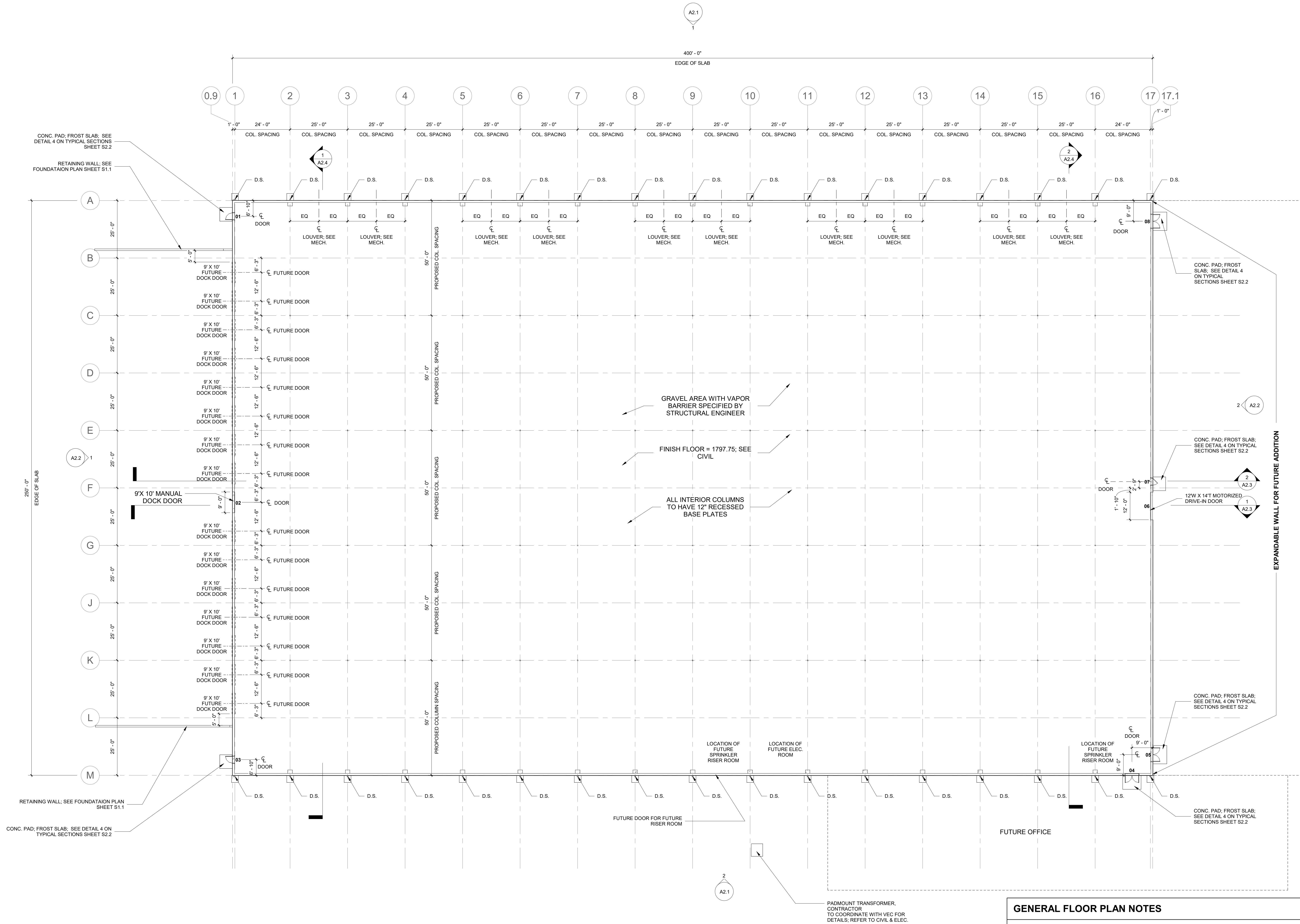


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1 FLOOR PLAN - PHASE 1
SCALE: 1/16" = 1'-0"
0' 16'

GENERAL FLOOR PLAN NOTES

- DRAWINGS PROVIDED FOR SHELL PERMIT ONLY
 - INSULATION FOR PEMB TO BE FOR CODE COMPLIANT FOR A FUTURE FULLY CONDITIONED SPACE
 - SEE SHEET A0.0 - LIFE SAFETY PLAN FOR FIRE EXTINGUISHER NOTES AND LOCATIONS
 - CLEAR HEIGHT REQUIREMENT IS 32'-0"
 - D.S. = DOWNSPOUT; FINAL SIZE AND QUANTITY TO BE DETERMINED BY PEMB SUPPLIER; EXIT POINT CONDITION TBD BY CIVIL ENGINEER; REFER TO CIVIL DRAWINGS
 - LOUVERS TO HAVE SECURITY SCREEN / BARS AT EXTERIOR; INSTALL AND FLASH PER MANUFACTURER'S INSTRUCTIONS
- ALL METAL BUILDING ELEMENTS SHOWN PROVIDED AS REFERENCE. PRE-ENGINEERED METAL BUILDING MANUFACTURER TO SUPPLY FULL BUILDING PACKAGE, INCLUDING BUT NOT LIMITED TO: STRUCTURAL COLUMNS, FRAMING, BRACING, CLIPS, TIES, ROOF SYSTEM, & WALL PANEL SYSTEMS. MANUFACTURER TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL, AS WELL AS PROVIDING FINAL ENGINEERED STAMPED DRAWINGS.
- PEMB SUPPLIER WILL BE REQUIRED TO DESIGN FOR THE POSSIBILITY OF A FUTURE SPRINKLER SYSTEM TO BE INSTALLED
- INCLUDE INSULATION FOR A FULLY CONDITIONED SPACE COMPLYING WITH 2018 IECC
- PEMB SUPPLIER REQUIRED TO REVIEW STRUCTURAL FOUNDATION DETAILS FOR CORRECT COORDINATION WITH BASEPLATES AND PEMB STRUCTURAL ELEMENTS.



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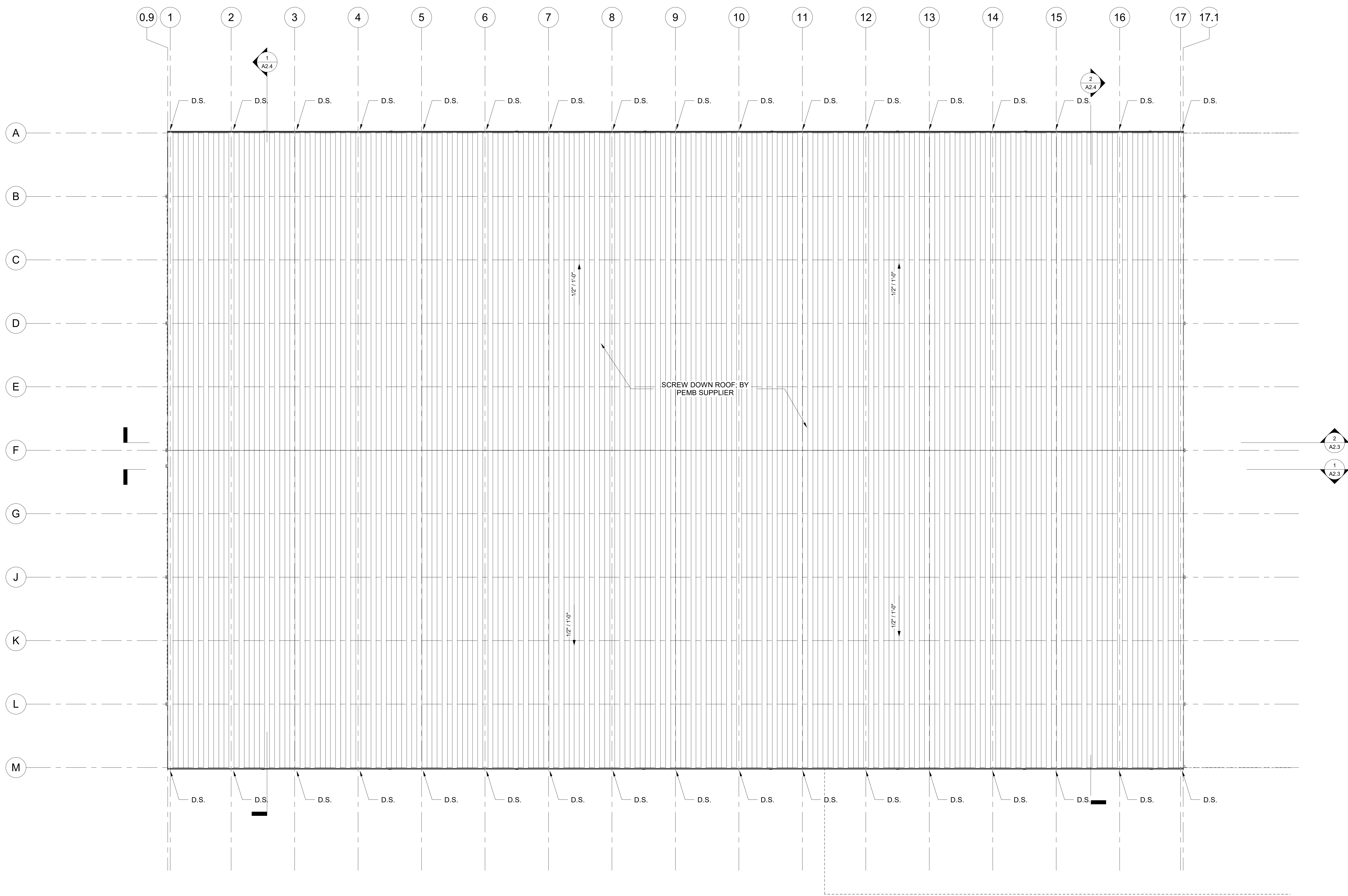
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02	12/27/24	Checker	90% - Not For Construction
03	01/31/25	Approver	Permit Set

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555
FLOOR PLAN

Discipline
Architecture
SHEET
A1.1

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	Author:	01/31/25	
	Checker:		
	APPROVED BY:		
	Approver:		

PEMB Shell City of Crossville, TN 700 Interchange Drive, Crossville, TN 38555	D
ROOF PLAN	A

[illegible]

1. PEMS SUPPLIER RESPONSIBLE FOR GUTTER SIZING, DOWNSPOUT SIZING AND DOWNSPOUT QUANTITY.
2. PROVIDE GUTTERS AND DOWNSPOUTS AS INDICATED ON PLANS AND BUILDING ELEVATIONS. GUTTERS AND DOWNSPOUT SIZES SHALL BE PER PEMS MANUFACTURER, IN STANDARD CODE SELECTION.
3. SEE CIVIL DRAWINGS FOR INFORMATION REGARDING STORMWATER MANAGEMENT SYSTEM(S) AS WELL AS DOWNSPOUT EXIT CONDITIONS.
4. SEE MECHANICAL DRAWINGS FOR ROOF VENT LOCATIONS, ETC.
5. ROOFING SUBCONTRACTOR AND PEMS SUPPLIER SHALL CONSULT AND PROVIDE DETAILS FOR ALL THRU-ROOF PENETRATIONS AND ROOFING DETAILS.
6. D.S. = DOWNSPOUT; TO BE SIZED BY PEMS SUPPLIER

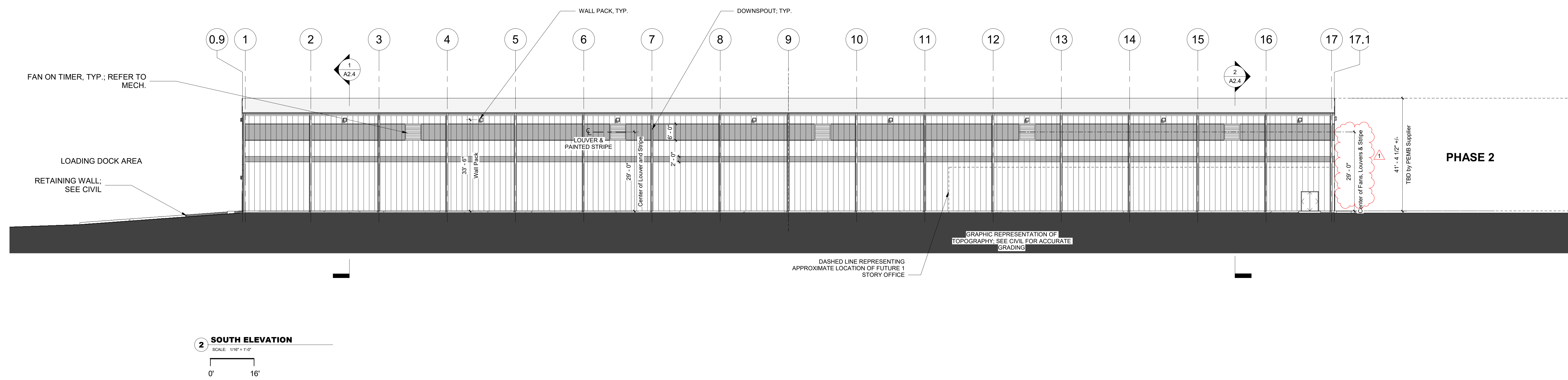
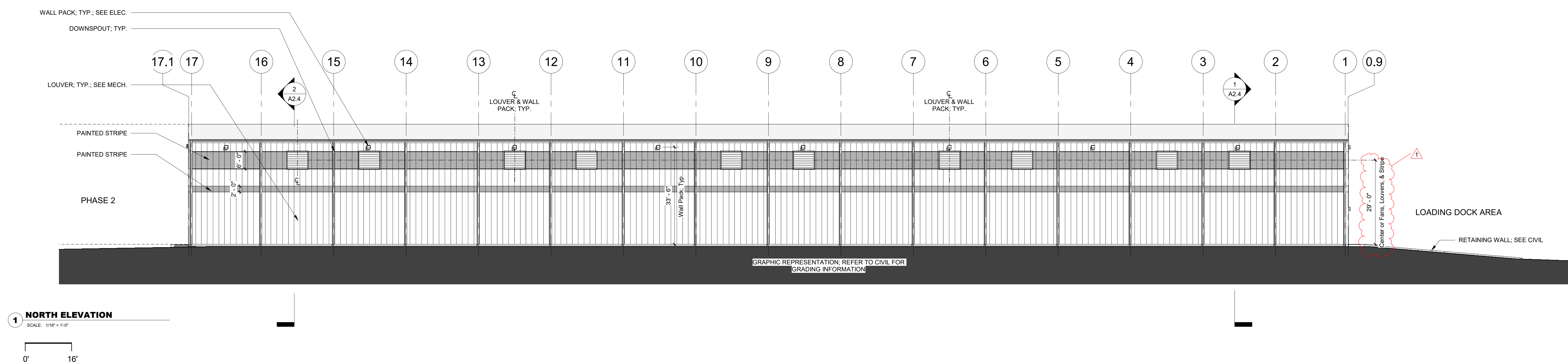


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	Author:	01-31-26	
1	Occ. Class Change request & plan location Clarification	03-25-25	
	Checker:		
	Approved:		
	PROVED BY:		

A	ELEVATIONS
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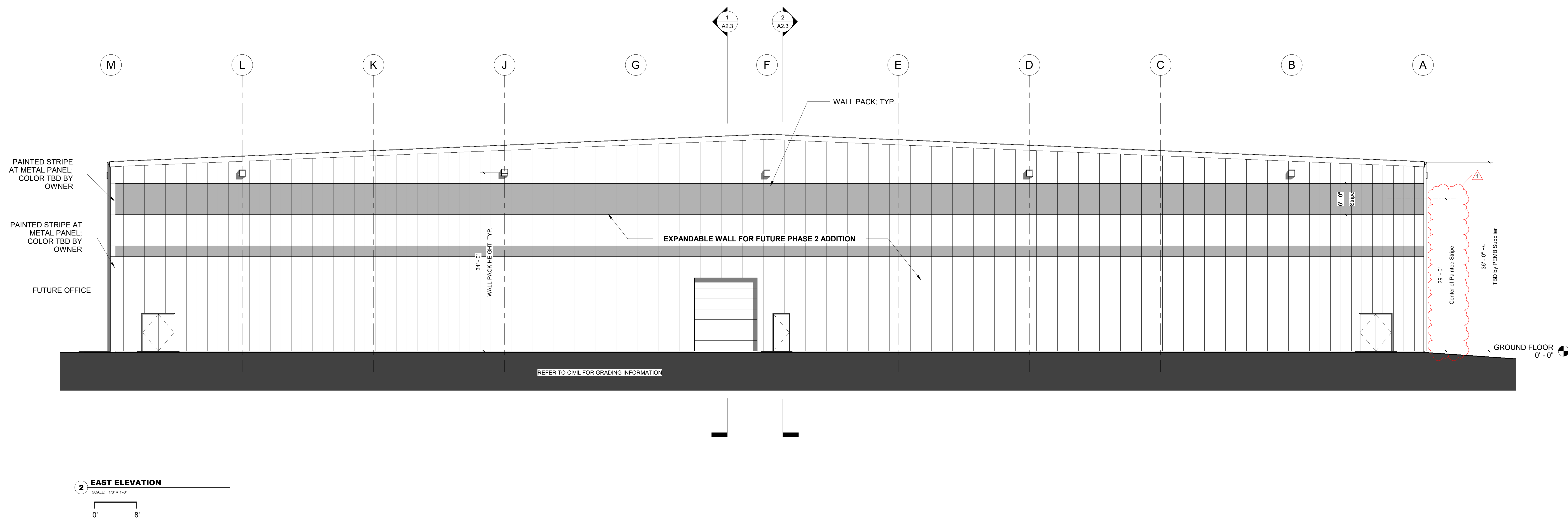
Discipline
Architecture
SHEET
A2.1



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PEMB Shell City of Crossville, TN 700 Interchange Drive, Crossville, TN 38555	ELEVATIONS
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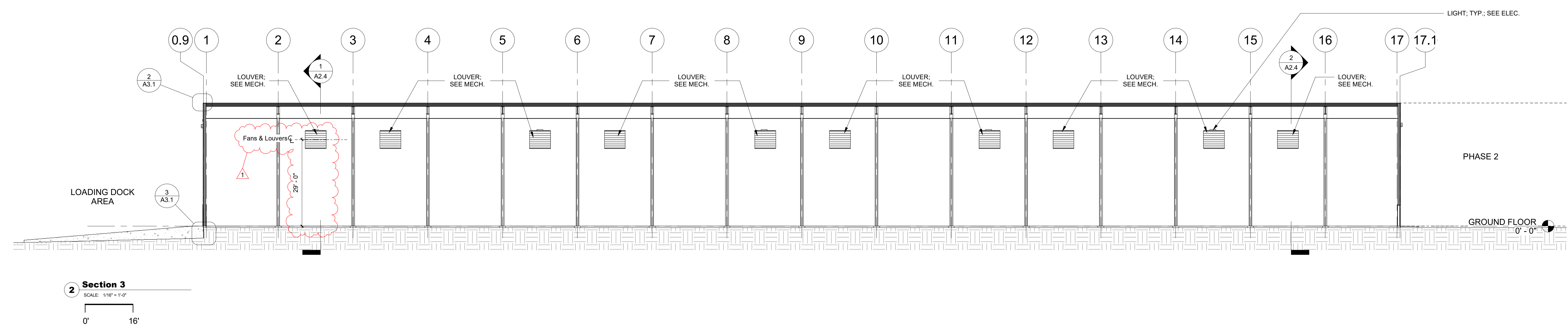
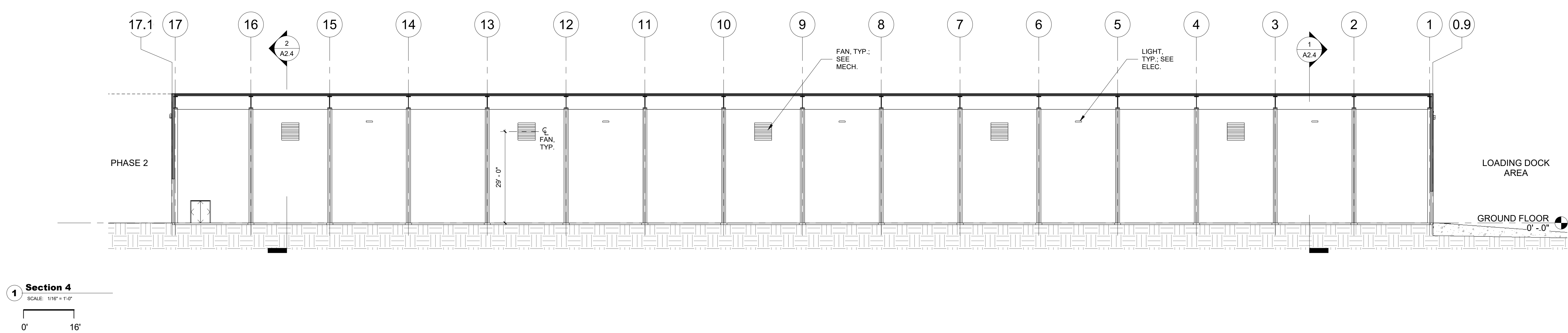


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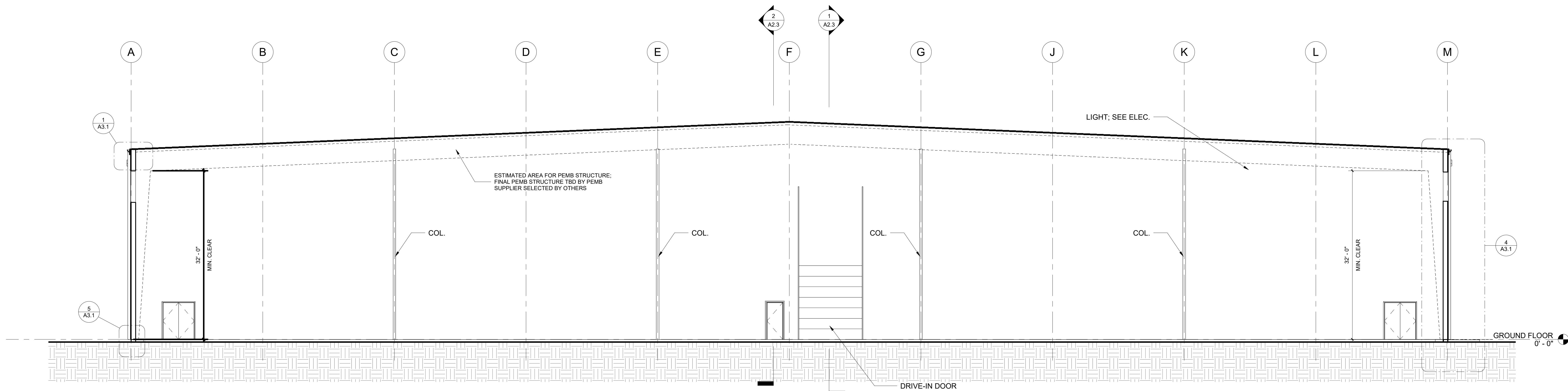
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			03-22-25	
	CHECKED BY:	Checker		
	APPROVED BY:	Approver		

PEMB Shell City of Crossville, TN 700 Interchange Drive, Crossville, TN 38555	D
SECTIONS	A

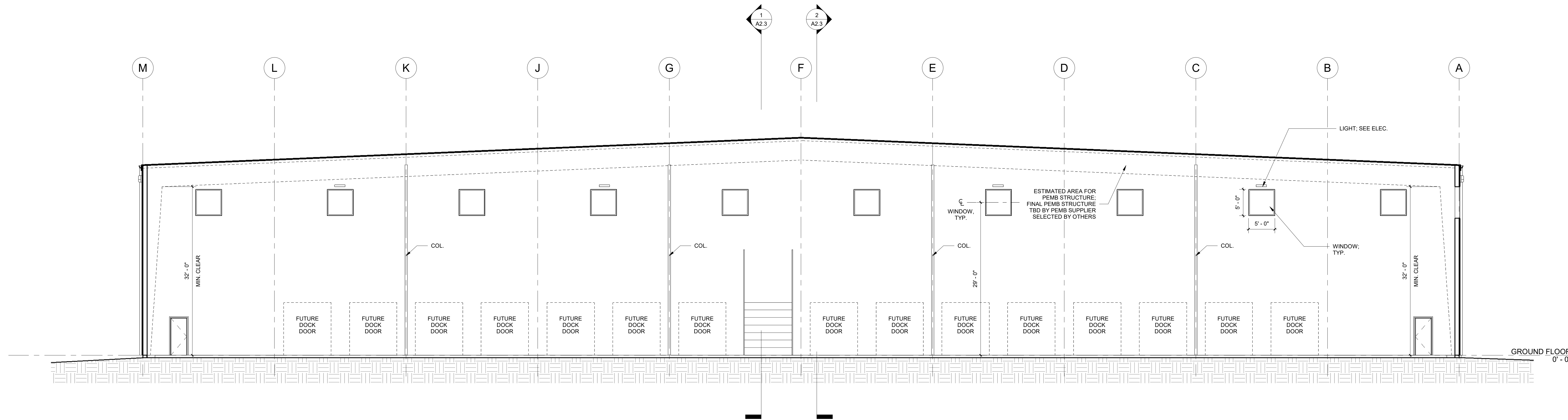
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	Architecture
	SHEET
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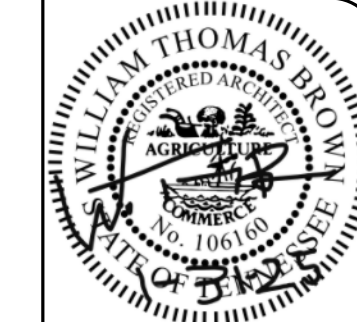
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2 Section 2
SCALE: 1/8" = 1'-0"



1 Section 5
SCALE: 1/8" = 1'-0"



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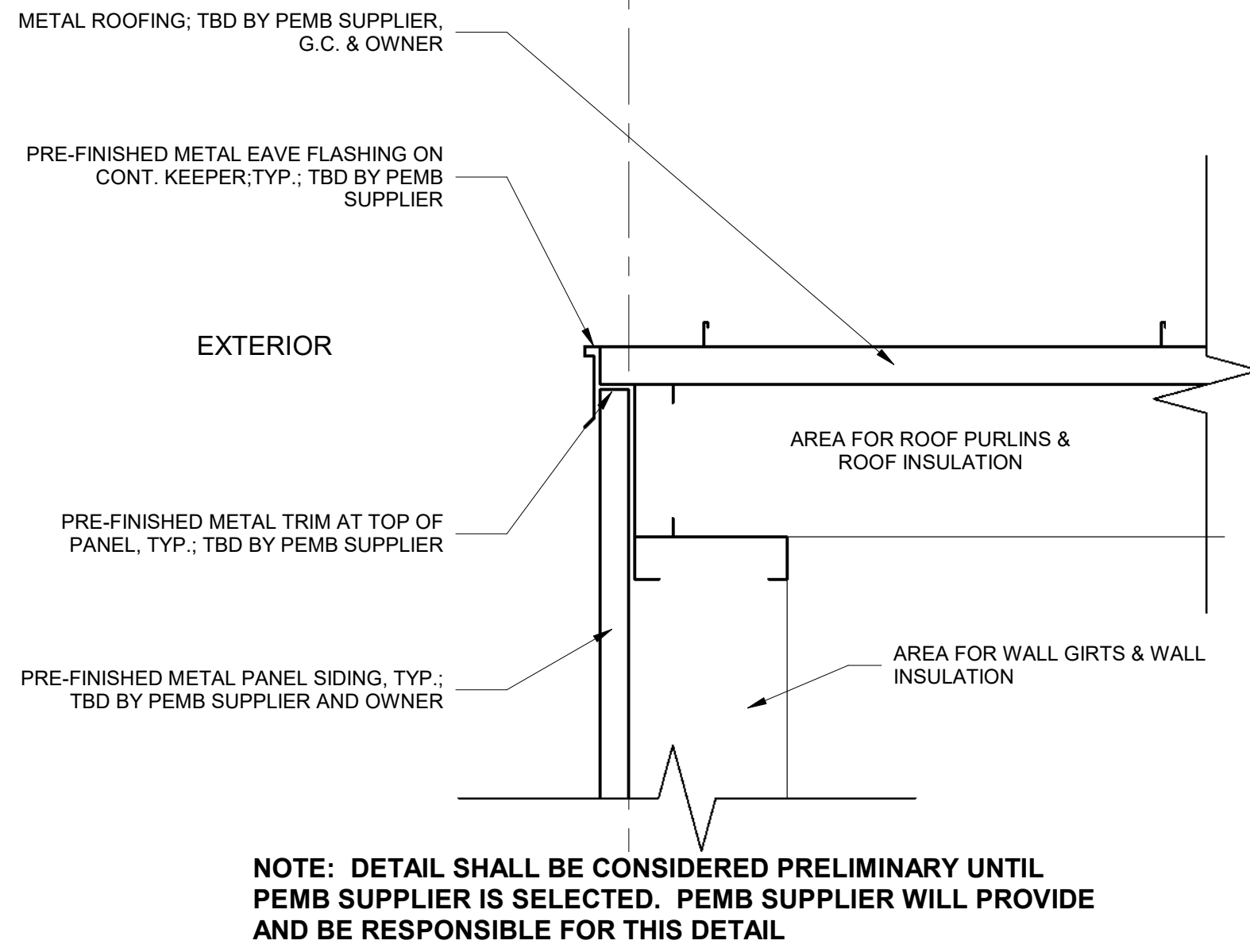
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2	90% - Not For Construction	12/27/24	
3	Permit Set	01/13/25	
DATE:	01/13/25		
DRAWN BY:	Author		
CHECKED BY:	Checker		
APPROVED BY:	Approver		
F.B. NO.	P.O.		

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555

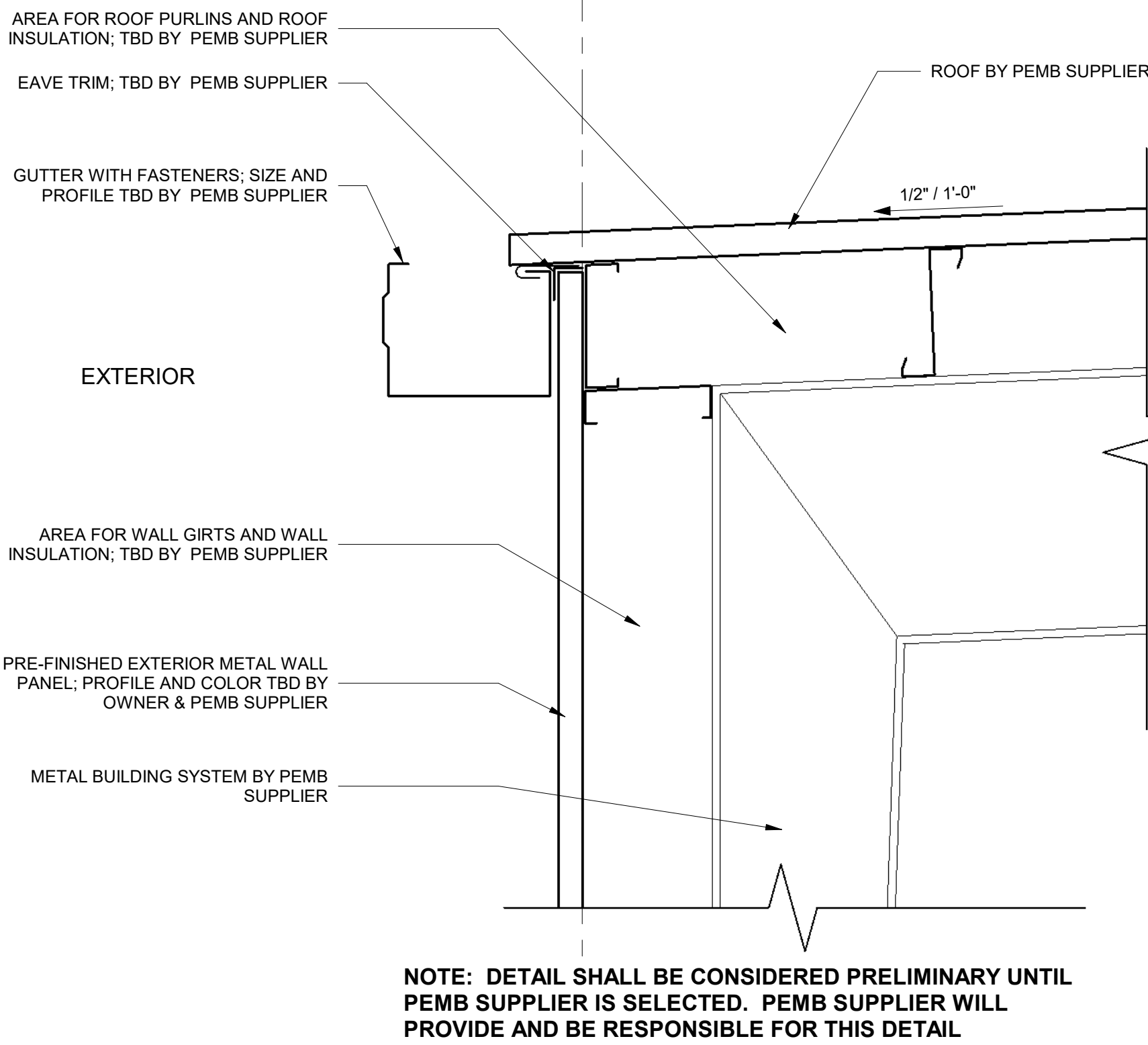
SECTIONS

Discipline
Architecture
SHEET
A2.4

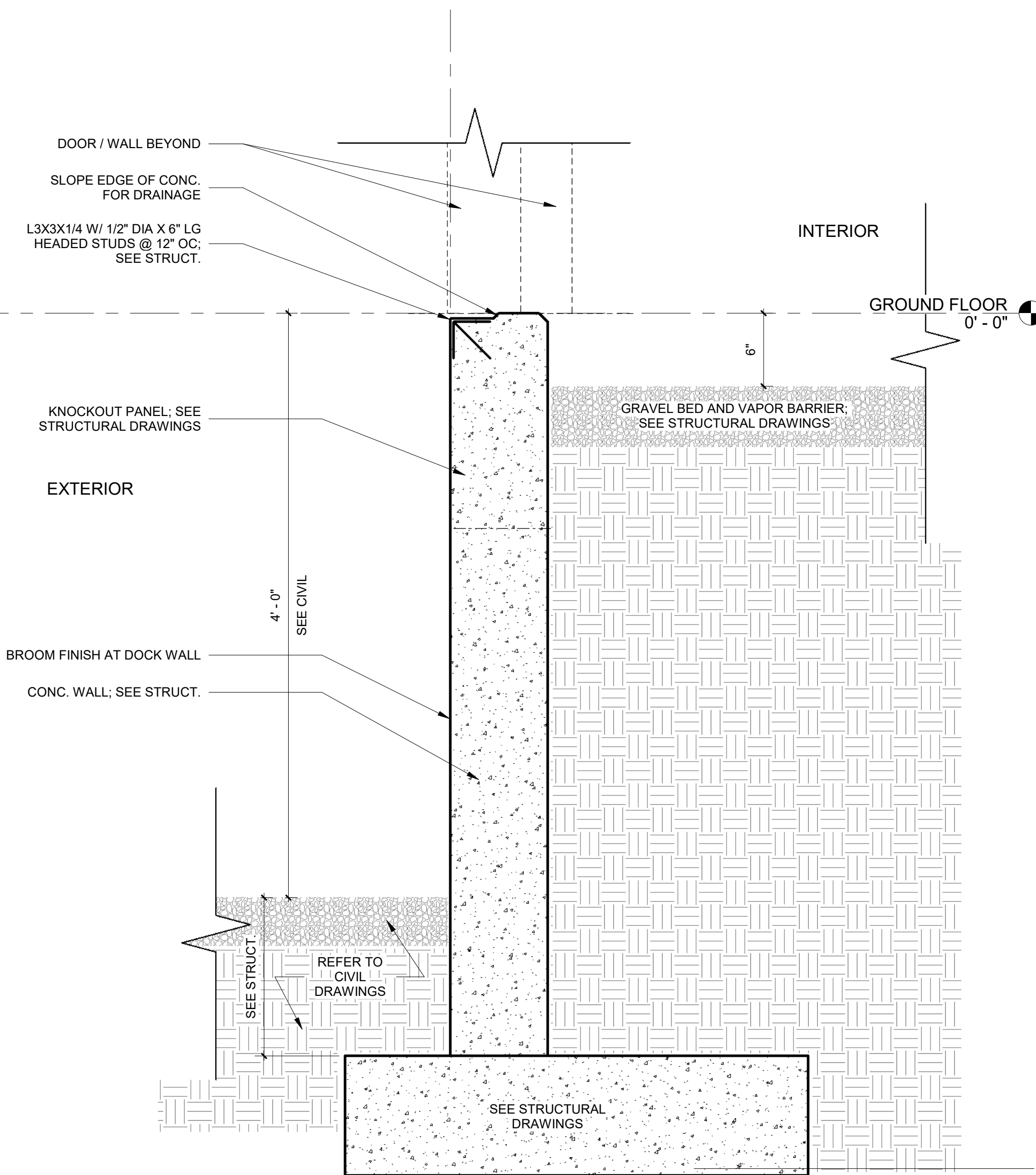
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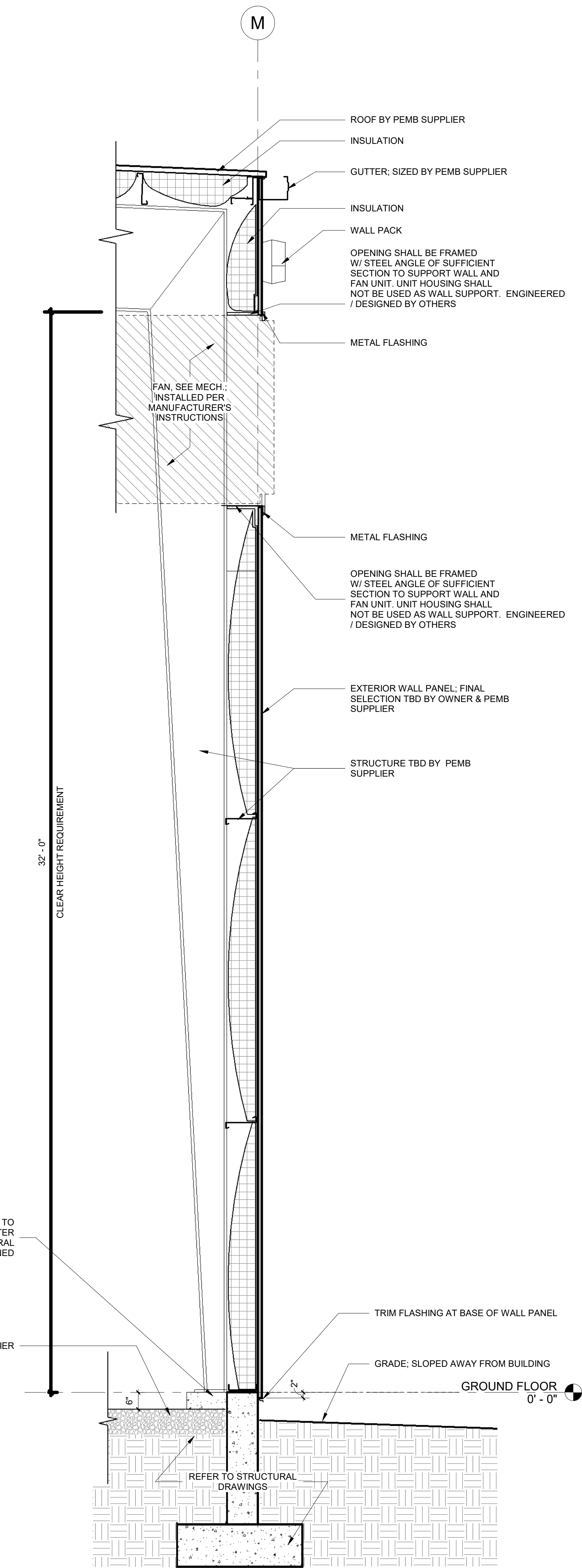
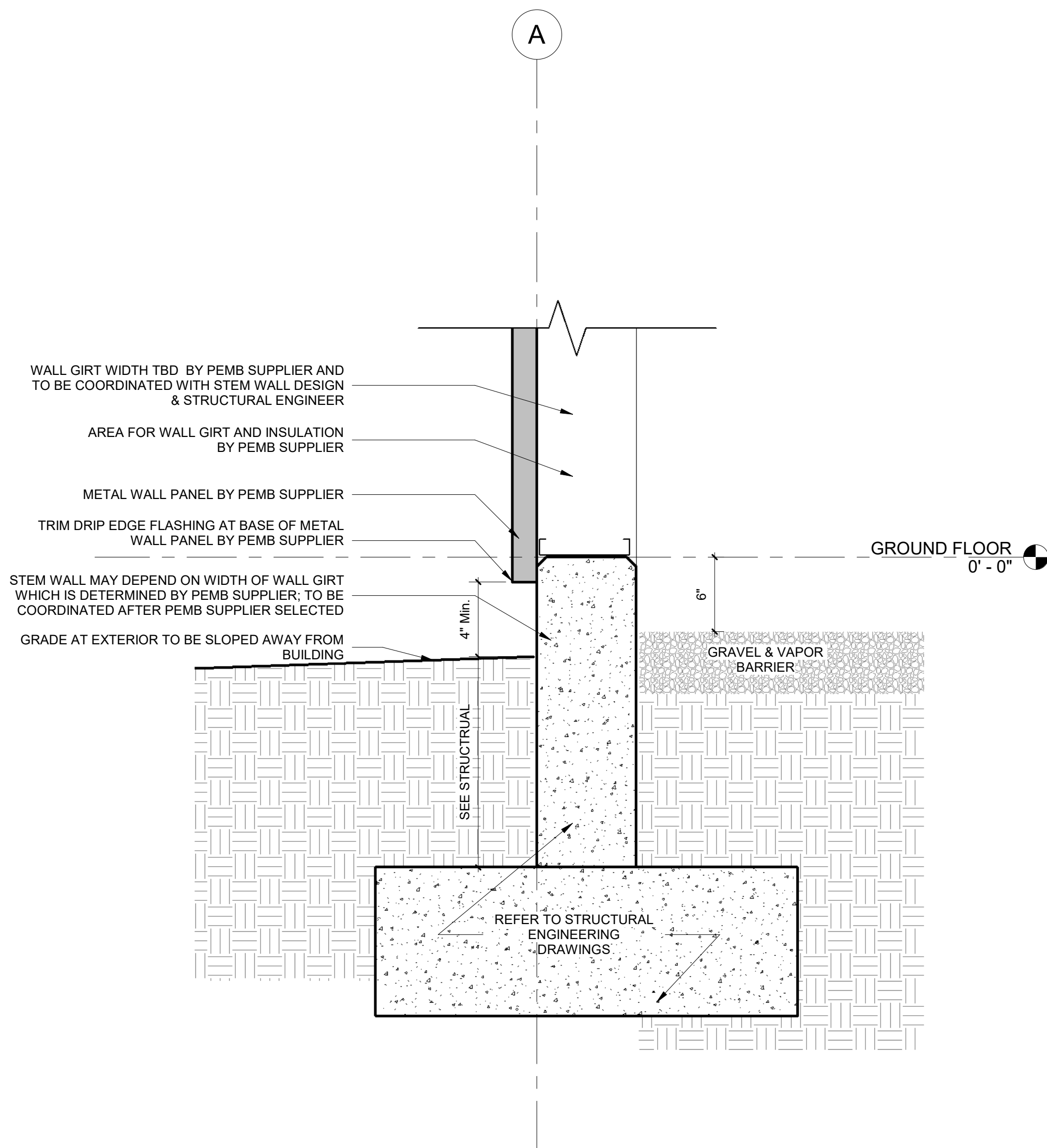
2 RAKE DETAIL
SCALE: 1/12" = 1'-0"



1 EAVE DETAIL
SCALE: 1/12" = 1'-0"

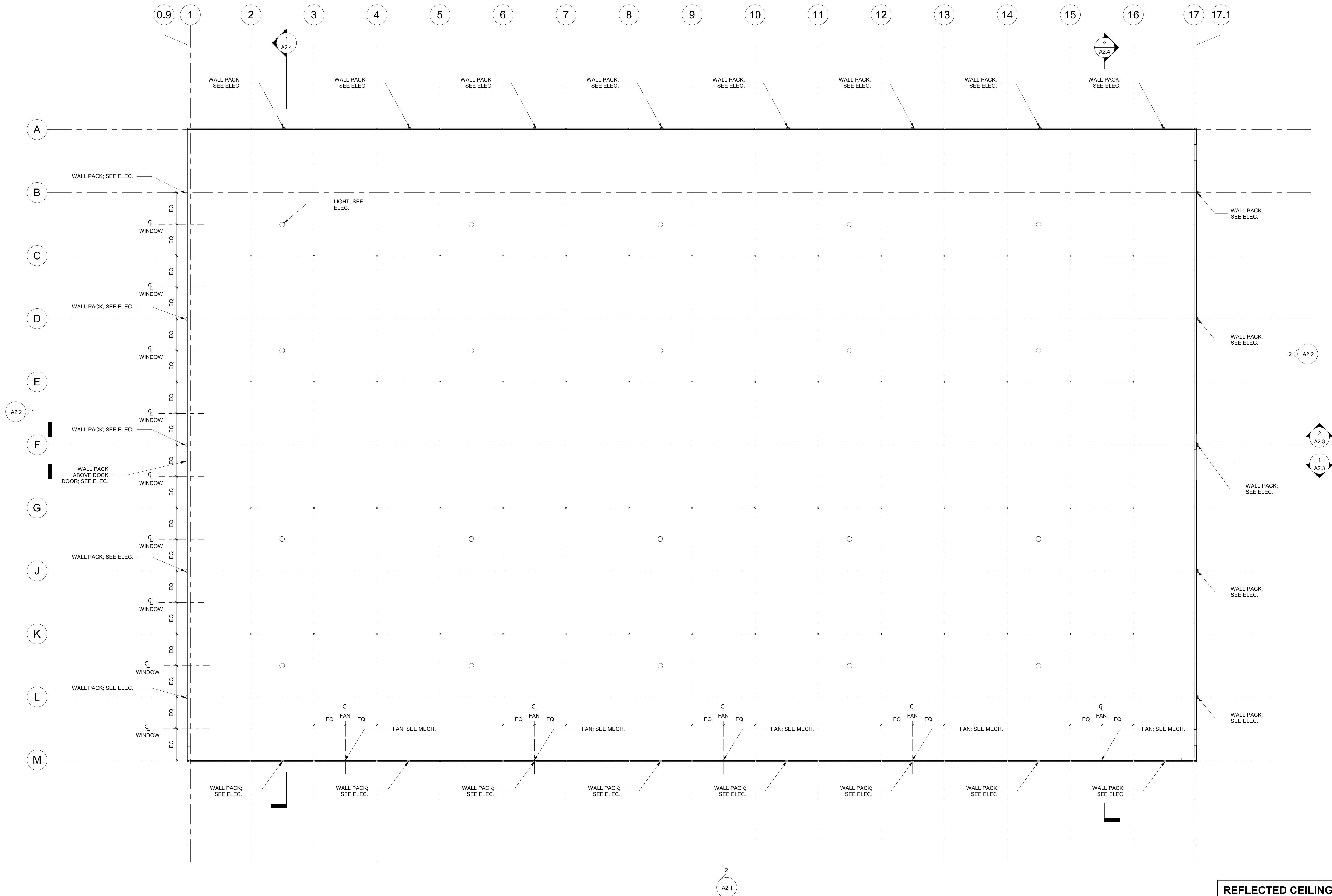


3 LOCADING DOCK SECTION DETAIL AT DOCK DOOR
SCALE: 1/12" = 1'-0"



4 Basic Wall Section
SCALE: 1/2" = 1'-0"

13/1/2025 4:38:59 PM



1 REFLECTED CEILING PLAN

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

REFLECTED CEILING PLAN NOTES

1. ARCHITECTURAL REFLECTED CEILING PLANS GOVERN LOCATIONS OF LIGHT FIXTURES AND MECHANICAL EQUIPMENT IN CEILING.
2. EXIT SIGNS, EMERGENCY LIGHT FIXTURES, AND SPRINKLER HEADS ARE NOT SHOWN FOR CLARITY. SEE ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR INFORMATION, LOCATIONS, AND QUANTITIES. COORDINATE LOCATIONS WITH LIGHTING AND MECHANICAL TO AVOID CONFLICTS. SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILE WHERE APPLICABLE.
3. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE, FIXTURE CALLOUTS, CIRCUITING, ETC. ELECTRICAL DRAWINGS SHALL BE USED TO DETERMINE FIXTURE QUANTITIES, TYPES, ETC.
4. SEE MECHANICAL DRAWINGS FOR HEATER SCHEDULE, CALLOUTS, MOUNTING HEIGHTS, ETC.



verdantas

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REV	DATE	BY	REVISIONS
01/31/25	11/15/24	Author	90% - Not For Construction
	12/27/24	Checker	95% - Not For Construction
	01/31/25	Approver	Permit Set

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555
REFLECTED CEILING PLANS

GOVERNING CODES AND STANDARDS:

IBC	- INTERNATIONAL BUILDING CODE, 2018 EDITION
ASCE 7	- MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2010 EDITION
ACI 318	- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2014 EDITION
ACI 301	- SPECIFICATIONS FOR STRUCTURAL CONCRETE, 2010 EDITION
ACI 308R	- HOT WEATHER CONCRETING, 2010 EDITION
ACI 308R	- COLD WEATHER CONCRETING, 2010 EDITION
ACI SP-66	- ACI DETAILING MANUAL, 2004
ACI 308.1	- TIGHTNESS TESTING OF ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES - SPECIFICATION, 2022 EDITION
ACI 330.1	- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, 2013 EDITION
AISC 360	- STEEL CONSTRUCTION MANUAL, 14TH EDITION
AWSD 1.1	- SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, 2nd EDITION
AWSD 1.1	- STRUCTURAL WELDING CODE - STEEL, 2010 EDITION
AWSD 1.3	- STRUCTURAL WELDING CODE - SHEET STEEL, 2008 EDITION
AWSD 1.4	- STRUCTURAL WELDING CODE - REINFORCING STEEL, 2011 EDITION
AWSD 1.8	- STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT, 2000 EDITION

DESIGN LOADS:

1. LIVE LOADS: (REDUCIBLE PER GOVERNING CODE)	UNIFORM (PSF)	CONCENTRATED (LBS)
a. FIRST FLOOR (SLAB ON GRADE)	125	2,000
b. ROOF	20	300
2. SNOW LOADS:		
a. GROUND SNOW LOAD,	P_g 10 PSF	
b. FLAT ROOF SNOW LOAD,	P_f 8.4 PSF	
c. SNOW EXPOSURE FACTOR,	C_e 1.05	
d. SNOW LOAD IMPORTANCE FACTOR,	I_s 1.0	
e. THERMAL FACTOR,	C 1.2	
f. DESIGN ROOF SNOW LOAD	P 10 PSF	
3. WIND LOADS		
a. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST), MPH	115	
b. NOMINAL DESIGN WIND SPEED (3-SECOND GUST), MPH	89	
c. RISK CATEGORY	II	
d. WIND EXPOSURE	C	
e. DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING SHALL BE COMPUTED PER GOVERNING BUILDING CODE USING EXPOSURE	X (SEE DIAGRAM ON SHEET S0.2)	
f. INTERNAL PRESSURE COEFFICIENT (ENCLOSED)	-0.18	
4. EARTHQUAKE DESIGN DATA:		
a. OCCUPANCY RISK CATEGORY	II	
b. SEISMIC IMPORTANCE FACTOR,	I_s 1.0	
c. MAPPED SPECTRAL RESPONSE ACCELERATIONS	$S_s = 0.25$ $S_1 = 0.11$	
d. SITE CLASS	D	
e. DESIGN SPECTRAL RESPONSE ACCELERATIONS	$S_{DS} = 0.202$ $S_{D1} = 0.126$	
f. SEISMIC DESIGN CATEGORY	B	
g. BASIC SEISMIC REINFORCING SYSTEM	STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE	
h. DESIGN BASE SHEAR	$V = C_s \times W$	
i. SEISMIC RESPONSE COEFFICIENT	$C_s = 0.067$	
j. RESPONSE MODIFICATION COEFFICIENT	$R = 3$	
k. ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE	
5. FROST DEPTH	12"	

GENERAL:

- THESE NOTES ARE GENERAL REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREINAFTER FOR USE ON THIS PROJECT.
- IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE CONTRACTOR SHALL CONTACT THE ARCHITECT/ENGINEER FOR CLARIFICATION.
- TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON THE PLANS, BUT APPLY UNLESS NOTED OTHERWISE.
- SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION TO THE ENGINEER/ARCHITECT.
- SHOP DRAWINGS PREPARED BY THE CONTRACTOR, SUPPLIERS, ETC., WILL BE REVIEWED BY THE ENGINEER/ARCHITECT ONLY WITH CONFORMANCE WITH DESIGN CONCEPT. NO WORK AFFECTED BY THE SHOP DRAWINGS SHALL BE STARTED WITHOUT SUCH REVIEW.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL REVISIONS, CORRECTIONS, AND COMMENTS INDICATED ON THE SHOP DRAWINGS BY THE ARCHITECT/ENGINEER.
- ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- THE STRUCTURAL CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
- ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER ARE SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- ALL STRUCTURES ARE DESIGNED TO BE STABLE AND SELF-SUPPORTING AT THE COMPLETION OF CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE STABILITY AND SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL IS NOT INDICATED ON THE DRAWINGS AND, IF PROVIDED, SHALL BE REMOVED, AS CONDITIONS PERMIT AND REMAIN THE PROPERTY OF THE CONTRACTOR.
- ALL MATERIALS AND EQUIPMENT FURNISHED WILL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MISCELLANEOUS STEEL ITEMS, UNITS, METAL PAN STAIRS, SIZE AND LOCATION OF FLOOR SLOPES, DEPRESSIONED AREAS, FINISH FILLS, CHAMFERS, GROOVES, RAILING SLIDES, ROOF EDGES, INSERTS, ETC.
- COORDINATE WITH CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS FOR PIPE SLEEVES, FLOOR DRAINS, ROOF DRAINS, INSERTS, HANGERS, TRENCHES, PITS, WALL AND SLAB OPENINGS, CONDUIT RUNS IN WALLS AND SLABS, SIZE AND LOCATION OF MACHINE OR EQUIPMENT SUPPORTS, BASE AND ANCHOR BOLTS, RAILING, ETC.
- COORDINATE WITH SITE, ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND CIVIL DRAWINGS FOR RETAINING WALLS, PADS, PAVEMENT AND OTHER SITE STRUCTURES.
- EARTHWORK, FOUNDATION DRAINS, WATERPROOFING, PERIMETER INSULATION, MASONRY AND OTHER REQUIRED NON-STRUCTURAL ITEMS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE WITH CIVIL/SITE AND ARCHITECTURAL DRAWINGS.

FOUNDATIONS:

- FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT NO. 12-17138, PREPARED BY GEOSERVICES, DATED MARCH 6, 2017. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION.
- FOUNDATIONS ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS OR PROPERLY COMPACTED ENGINEERED FILL WITH A GROSS ALLOWABLE BEARING CAPACITY OF 3,000 PSF. (SEE GEOTECHNICAL REPORT)
- TOPSOIL, FILL, AND/OR OTHER DELETERIOUS MATERIALS ENCOUNTERED DURING THE SITE PREPARATION MUST BE REMOVED AND REPLACED WITH SELECT ENGINEERED FILL COMPACTED TO 98% PER ASTM D1557 AND MEETING THE SPECIFIED DESIGN BEARING CAPACITY. (SEE GEOTECH REPORT FOR MORE INFORMATION.)
- CONTRACTOR SHALL EMPLOY A SOILS TESTING LABORATORY APPROVED BY THE ENGINEER TO PERFORM TESTING SERVICES AS REQUIRED BY THE SPECIFICATIONS AND TO INSPECT ALL BEARING SURFACES OF SLABS AND FOUNDATIONS.
- NOTIFY ENGINEER OF RECORD IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR.
- REMOVE ALL EXISTING PAVEMENT, STRUCTURES AND FOUNDATIONS, AND TOPSOIL, UNSUITABLE FILLS AND ORGANIC SOILS ENCOUNTERED WITHIN AND BELOW THE AREA TO BE OCCUPIED BY SLABS ON GRADE AND FOUNDATIONS. THESE MATERIALS SHALL NOT BE USED FOR FILL WITHIN OR ADJACENT TO THE BUILDING.
- CHANGES IN ELEVATION OF WALL FOOTING SHALL BE MADE IN STEPS NOT MORE THAN 2'-0" HIGH AND AT LEAST 4'-0" APART, UNLESS DETAILED OTHERWISE. SEE TYPICAL FOOTING STEP DETAIL.
- THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE TEMPORARY SHORING, BRACING, UNDERPINNING, AND OTHER MEASURES NECESSARY TO INSURE STABILITY AND SAFETY DURING ERECTION AND CONSTRUCTION AND TO PREVENT MOVEMENT OF SOIL THAT COULD DAMAGE EXISTING STRUCTURES, PAVEMENT, UTILITIES, ETC.
- AFTER EXCAVATING FOR SLABS ON GRADE, THE EXPOSED NATURAL SOIL SHALL BE THOROUGHLY COMPACTED PER GEOTECHNICAL REPORT PRIOR TO PLACING THE GRANULAR MATERIAL.
- CENTER FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
- THE DIFFERENCE IN ELEVATION OF THE BACKFILL ON THE INSIDE AND OUTSIDE OF WALLS SHALL NOT EXCEED TWO FEET UNTIL THE FIRST FLOOR STRUCTURE SUPPORTING THE WALLS IS IN PLACE, UNLESS THE WALL IS BRACED TO PREVENT MOVEMENT.
- UNLESS NOTED OTHERWISE ON THE CIVIL/SITE DRAWINGS, PROVIDE A MINIMUM 2% GRADE WITHIN 10-FEET OF THE PERIMETER OF THE FOUNDATION SYSTEM TO ALLOW SURFACE WATER TO DRAIN AWAY.
- DO NOT PLACE FILL OR CONCRETE ON FROZEN GROUND.
- CONTINUOUSLY BEAR ON ROCK OR ADD 1" OF ENGINEER FILL PER GEO REPORT.

CAST-IN-PLACE CONCRETE AND REINFORCEMENT:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318.
- CONCRETE SHALL HAVE THE FOLLOWING 28-DAY COMPRESSIVE STRENGTHS:
CAST-IN-PLACE CONCRETE: 4,000 PSI
FILL CONCRETE: 1,500 PSI
- USE 6% ±1.5% ENTRAINED AIR PER ASTM C260 FOR ALL CONCRETE EXPOSED TO WEATHER.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. ALL REINFORCING TO BE WELDED SHALL CONFORM TO ASTM A706.
- ALL WELDED WIRE REINFORCING SHALL CONFORM TO ASTM A1064 PROVIDED IN FLAT SHEETS OR ROLLS.
- ADMIXTURES SHALL CONTAIN NO MORE THAN 0.05% CHLORIDE IONS BY WEIGHT OF CEMENT WHEN TESTED IN ACCORDANCE WITH AASHTO T260.
- CONTRACTOR SHALL KEEP A COPY OF "FIELD REFERENCE MANUAL" STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE ACI 301 WITH SELECTED ACI REFERENCES; (ACI PUBLICATION SP-15) AT THE PROJECT FIELD OFFICE.
- ALL REINFORCING DETAILS SHALL CONFORM TO THE ACI DETAILING MANUAL, SP-66, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- SUBMIT FOR APPROVAL CONCRETE MIX DESIGN AND CERTIFICATION OF CONCRETE MATERIALS CONFORMING TO THE FOLLOWING EXPOSURE CATEGORIES:

CATEGORY	FOOTINGS, INTERIOR SLAB-ON-GRADE	PIERS, WALLS, EXTERIOR SLABS
	NON-AIR ENTRAINED CLASS:	AIR ENTRAINED CLASS:
FREEZE AND THAWING	F0	F3
SULFATE	S1	S1
IN CONTACT WITH WATER	W1	W1
CORROSION PROTECTION	C2	C2
- THE CONTRACTOR SHALL EMPLOY A TESTING LABORATORY APPROVED BY THE ENGINEER/ARCHITECT TO PERFORM THE TESTING SPECIFIED PER PARAGRAPH 1.6.4 OF ACI 301. THE TESTING LABORATORY SHALL MEET THE REQUIREMENTS OF ASTM E629. TESTING SHALL BE MADE BY AN ACI CONCRETE FIELD-TESTING TECHNICIAN GRADE 1 OR APPROVED EQUIVALENT. A TECHNICIAN GRADE 1 SHALL BE PRESENT DURING ALL CONCRETE PLACEMENT.
- SUBMIT SHOP DRAWINGS FOR REVIEW. THESE DRAWINGS SHALL SHOW ALL CONCRETE MEMBER DIMENSIONS AND DOVELS FOR MASONRY WALLS.
- PROVIDE DOVELS FROM FOUNDATIONS TO MATCH PIER AND WALL VERTICAL REINFORCING. WHERE SHOWN, PROVIDE DOVELS OUT OF WALLS TO MATCH SLAB REINFORCING.
- PROVIDE CLASS "B" TENSION LAP SPLICE OR FULL MECHANICAL SPLICE (ACI 318, SECT. 12.14.3) FOR ALL VERTICAL STEEL IN WALLS, COLUMNS, AND SLABS. SEE LAP SCHEDULE ON SHEET S2.1 FOR LAP LENGTHS, UNO.
- PROVIDE ADEQUATE BOLSTERS, HI-CHAIRS, SUPPORT BARS, ETC., TO MAINTAIN SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING BARS. SUPPORTS THAT BEAR DIRECTLY ON EXPOSED SURFACES SHALL BE STAINLESS STEEL.
- ALL SLABS SHALL BE POURED MONOLITHICALLY, EXCEPT FOR THE REQUIRED CONSTRUCTION JOINTS.
- PROVIDE 3/4 INCH CHAMFER ON ALL EXPOSED CORNERS OF SLABS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS. MINIMUM CLEARANCES FOR REINFORCING STEEL SHALL BE MAINTAINED.
- CURE ALL CONCRETE FOR A MINIMUM 7-DAYS. APPLY CURING COMPOUND AT THE MAXIMUM COVERAGE RATE OF 300 SQUARE FEET PER GALLON. USE PRODUCT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATIONS.
- ALL CONSTRUCTION JOINTS SHALL BE KEVED. PROVIDE KEYWAYS AT MEMBER CENTERLINE WITH A DEPTH OF 1-1/2 INCH AND HEIGHT EQUAL TO ONE-THIRD OF THE MEMBERS DEPTH/THICKNESS.
- CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF CONSTRUCTION JOINTS NOT INDICATED ON THE DRAWINGS FOR REVIEW BY THE ENGINEER/ARCHITECT.
- ALL ALUMINUM IN CONTACT WITH CONCRETE OR DISSIMILAR METALS SHALL BE COATED WITH GRAY EPOXY PRIMER, APPROVED BY THE ENGINEER.
- FORMWORK FOR ALL CONCRETE THAT WILL BE EXPOSED IN THE COMPLETED STRUCTURE, SHALL BE CONSTRUCTED FROM A METAL OR SUITABLE SURFACE PLYWOOD THAT WILL PRODUCE AN ACCEPTABLY SMOOTH SURFACE. SEE SPECIFICATIONS.
- CONCRETE PROTECTION (CLEAR COVER) FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
 - FOOTINGS:
 - 3 INCHES, BOTTOM AND UNFORMED EDGES
 - 2 INCHES, FORMED EDGES
 - 2 INCHES, EXPOSED TO EARTH, WATER OR WEATHER
 - 2 INCHES, BOTTOM, ON CONCRETE MUDMAT
 - PIERS:
 - 1 1/2 INCH TO TIES
 - 2 INCH FOR VERTICAL REINFORCEMENT

PRE-ENGINEERED METAL BUILDING DESIGNS:

- PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL BE AN IAS ACCREDITED MANUFACTURER AND MEETING THE REQUIREMENTS OF IAS ACCREDITATION CRITERIA AC472.
- PRE-ENGINEERED BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE ENTIRE DESIGN OF THE STEEL SUPERSTRUCTURE INCLUDING, BUT NOT LIMITED TO, PRIMARY AND SECONDARY STRUCTURAL MEMBERS, METAL ROOF AND WALL PANELS, LATERAL BRACING SYSTEM, AND APPLICABLE ACCESSORIES.
- THE ENTIRE METAL BUILDING SYSTEM, INCLUDING APPLICABLE ACCESSORIES, AND METAL ROOF AND WALL PANELS, SHALL BE DESIGNED TO SUPPORT SELF-WEIGHT PLUS SUPERIMPOSED LOADS, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE OR INFILTRATION OF WATER INTO THE STRUCTURE. THE LOADING SHALL BE APPLIED TO THE STRUCTURE PRODUCING THE MOST SEVERE CONDITION IN ACCORDANCE WITH THE GOVERNING BUILDING CODE, WIND PRESSURES FOR ENCLOSED, AND PARTIALLY ENCLOSED BUILDING AREAS PER THE GOVERNING BUILDING CODE SHALL BE CONSIDERED. SUPERIMPOSED LOADS INCLUDE, BUT ARE NOT LIMITED TO, DEAD, LIVE, WIND, OR SEISMIC LOADING.
- CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS FOR REVIEW PRIOR TO MANUFACTURING. CALCULATIONS AND SHOP DRAWINGS SHALL BE SEALED BY REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF THE PROJECT. SHOP DRAWINGS SHALL SHOW ALL INFORMATION INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, MEMBER SIZES AND PROPERTIES, FRAMING PLANS, SECTIONS AND ALL PERTINENT DETAILS.
- SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION TO THE ENGINEER/ARCHITECT.
- STEEL PURLIN TYPE, SIZE AND SPACING SHALL BE THE OPTION OF THE PRE-ENGINEERED METAL BUILDING MANUFACTURER WITH APPROVAL FROM THE ARCHITECT.
- PRE-ENGINEERED BUILDING MANUFACTURER SHALL DESIGN AND SUPPLY ALL REQUIRED SUB-FRAMING FOR OPENINGS, INCLUDING FRAMING TO SUPPORT THE WEIGHT OF MECHANICAL EQUIPMENT.
- PRE-ENGINEERED MANUFACTURER SHALL DESIGN STRUCTURE TO MEET OR EXCEED VERTICAL AND HORIZONTAL CLEAR DIMENSIONS AS INDICATED ON ARCHITECTURAL/STRUCTURAL PLANS.
- PEMB SHOP DRAWINGS AND CALCULATIONS ARE TO BE SUBMITTED TO THE EOR FOR REVIEW AND ARE TO BE STAMPED AND SIGNED BY AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT. SHOP DRAWINGS AND CALCULATIONS TO INCLUDE BASE REACTIONS & ANCHOR BOLT LOCATIONS & SIZES. SHOP DRAWINGS TO INCLUDE ALL DESIGN LOADS INCLUDING LIVE LOADS, DEAD LOADS, WIND AND SEISMIC LOADS, AND ALL COLLATERAL LOADS SUPPORTED BY THE PEMB.
- PEMB MFG/ DESIGNER TO INCLUDE A MINIMUM COLLATERAL LOAD OF 12 PSF IN ADDITION TO THE SELF WEIGHT OF THE PEMB BUILDING, THE LIVE LOADS AND OR SNOW LOADS.

SPECIAL INSPECTIONS:

PER THE IBC SECTION 1705, SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING ITEMS:

- DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
 - A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, SHALL BE SUBMITTED WITHIN THE AGREED UPON TIME TO THE BUILDING OFFICIAL PRIOR TO THE START ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 - PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A STATEMENT OF RESPONSIBILITY ACKNOWLEDGING THE AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
- CONCRETE:
 - INSPECT REINFORCEMENT, AND VERIFY PLACEMENT. (PERIODIC)
 - INSPECT ANCHORS CAST IN CONCRETE. (PERIODIC)
 - INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:
 - ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. (CONTINUOUS)
 - MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE. (PERIODIC)
 - VERIFY USE OF REQUIRED MIX DESIGN. (PERIODIC)
 - PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. (CONTINUOUS)
 - INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES. (CONTINUOUS)
 - VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. (PERIODIC)
 - INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. (PERIODIC)
 - NO INSPECTION IS REQUIRED FOR SLABS-ON-GRADE.
- SOILS:
 - VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. (PERIODIC)
 - VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. (PERIODIC)
 - PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS. (PERIODIC)
 - VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. (CONTINUOUS)
 - PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PROPERLY PREPARED. (PERIODIC)

STRUCTURAL DRAWING ABBREVIATIONS

ADBL	ADDITIONAL	MANUF	MANUFACTURER
ADJ	ADJACENT	MAS	MASONRY
AESS	ARCH EXPOSED STRUCTURAL STEEL	MATL	MATERIAL
ALT	ALTERNATE	MAX	MAXIMUM
AND	AND	MECH	MECHANICAL
APPROX	APPROXIMATELY	MEZZ	MEZZANINE
ARCH	ARCHITECT or ARCHITECTURAL	MANUFACTURER	MANUFACTURER
AT or SPACING	AT or SPACING	MIN	MINIMUM
B/	BOTTOM OF	MISC	MISCELLANEOUS
BL	BUILDING LINE	MO	MASONRY OPENING
BLDG	BUILDING	MTL	METAL
BLOCKING	BLOCKING		
BM	BEAM	NO or #	NUMBER
BRDG	BRIDGING	NOM	NOMINAL
BEARING	BEARING	NS	NEARSIDE
BTWN	BETWEEN	NTS	NOT TO SCALE
BOT	BOTTOM		
		OC	ON CENTER
		OD	OUTSIDE DIAMETER
CANT	CANTILEVER	OF	OUTSIDE FACE
CL	CENTERLINE	OQOUT	TO OUT
CLR	CLEAR	OPNG	OPENING
CTR	CENTER	OPP	OPPOSITE
COL	COLUMN		
CONC	CONCRETE		
CONN	CONNECTION	PAF	POWDER ACTUATED FASTENERS
CONSTR	CONSTRUCTION	PAR	PARALLEL
CONT	CONTINUOUS	PC	PRECAST
CJ	CONTROL/CONSTRUCTION JOINT	PERP	PERPENDICULAR
CMU	CONCRETE MASONRY UNIT	PL	PLATE
CONTINUOUS	CONTINUOUS	PLF	POUNDS PER LINEAL FOOT
CUBFT	CUBIC FEET	PLYWD	PLY WOOD
CY	CUBIC YARDS	PREFAB	PREFABRICATED
		PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PT	POST TENSIONED
DEG or °	DEGREE	PTR	PRESSURE TREATED
DEMO	DEMOLITION		
DET	DETAIL		
DIA	DIAMETER	QL	SEISMIC LOAD
DIA or ø	DIAMETER	QTY	QUANTITY
DIM	DIMENSION		
DITTO	DITTO	RAD	RADIUS
DN	DOWN	REF	REFERENCE
DEEP	DEEP	REINF	REINFORCEMENT, REINFORCING, REINFORCED
DWG	DRAWING	REQU	REQUIRED
DWL	DOWEL	SCHED	SCHEDULE
		SECT	SECTION
EA	EACH	SF	SQUARE FOOT
EF	EACH FACE	SHT	SHEET
EJ	EXPANSION JOINT	SH	SIMILAR
ELEV	ELEVATION	SOG	SLAB-ON-GRADE
ELEC	ELECTRICAL	SPA	SPACING
EMBED	EMBEDDED, EMBEDMENT	SPEC(S)	SPECIFICATION(S)
EQUAL	EQUAL	SQ	SQUARE
EQUIP	EQUIPMENT	SF	SPRUCED PINE FIR
ES	EACH SIDE	SS	STAINLESS STEEL
EQ	EACH WAY	STD	STANDARD
EX	EXISTING	STL	STEEL
EXIST	EXISTING	STIFF	STIFFENER
EXPANSION	EXPANSION	STR	STRUCTURAL
EXT	EXTERIOR	SUP	SUPPORT
		STRUC	STRUCTURAL
FAB	FABRICATE	SUP	SUPPORT
FDN	FOUNDATION	SYM	SYMMETRICAL
FIN	FINISH	SYP	SOUTHERN YELLOW PINE
FLNG	FLANGE		
FLR	FLOOR	T	TOP
FS	FAR SIDE	TI	TOP OF
FT	FOOT, FEET	T&B	TOP AND BOTTOM
FTG	FOOTING	T&G	TONGUE AND GROOVE
		TEMP	TEMPERATURE STEEL
		THD	THREAD
GAGE	GALLON	THK	THICK
GAL	GALLON	THRU	THROUGH
GALV	GALVANIZED	TOI	TO ELEVANCE
GEN	GENERAL CONTRACTOR	TRANS	TRANSVERSE
GLB	GENERAL	TYP	TYPICAL
GLUE	GLUE LAMINATED BEAM		
GR	GRADE		
GYP BD	GYPSPUM BOARD	UN or UNO	UNLESS NOTED (OTHERWISE)

HC	HOLLOW CORE	VERT	VERTICAL
HORIZ	HORIZONTAL	VIF	VERIFY IN FIELD
HS	HIGH STRENGTH		
HEIGHT	HEIGHT	w/	WITH
HVY	HEAVY	w/o	WITHOUT
ID	INSIDE DIAMETER	WD	WOOD
I	INSIDE FACE	WP	WORKPOINT
IN	INCH	WT	WEIGHT
INFO	INFORMATION	WWF	WELDED WIRE FABRIC
INT	INTERIOR		
INV	INVERT		
JST	JOIST		
JT	JOINT		
K	KIPS		
KSF	KIPS PER SQUARE FOOT		
KSI	KIPS PER SQUARE INCH		
L	ANGLE		
LBS	POUNDS		
LF	LINEAL FEET		
LG	LONG		
LL	LIVE LOAD		
LH/LONG	LEG HORIZONTAL		
LVL/LONG	LEG VERTICAL		
LOC	LOCATION		
LONG	LONGITUDINAL		
LSH	LONG SIDE HORIZONTAL		
LSV	LONG SIDE VERTICAL		
LT WT	LIGHT WEIGHT		

TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS OF CONCRETE CONSTRUCTION					
REQUIRED	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD*	IBC REFERENCE
X	1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	-	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
X	2. REINFORCING BAR WELDING.	-	X		
X	a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	-	X		
X	b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" AND	-	X	AWS D1.1 ACI 318: 26.6.4	
X	c. INSPECT ALL OTHER WELDS	X	-		
X	3. INSPECT ANCHORS CAST INTO CONCRETE.	-	X	ACI 318: 17.8.2	-
X	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. ^a	X	-	ACI 318: 17.8.2.4	-
X	a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-		
X	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	-	X	ACI 318: 17.8.2	-
X	5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1906.2, 1906.3
X	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
X	7. INSPECT FORMWORK FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8
X	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	1908.9
	9. INSPECT PRESTRESSED CONCRETE FOR: <ol style="list-style-type: none">APPLICATION OF PRESTRESSING FORCES; ANDGROUTING OF BONDED PRESTRESSING TENDONS.	X	-	ACI 318: 26.10	
	10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH. 26.8	
	11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2	
X	12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: CH. 26.11.2(b)	-

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS			
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIAL.	-	X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	

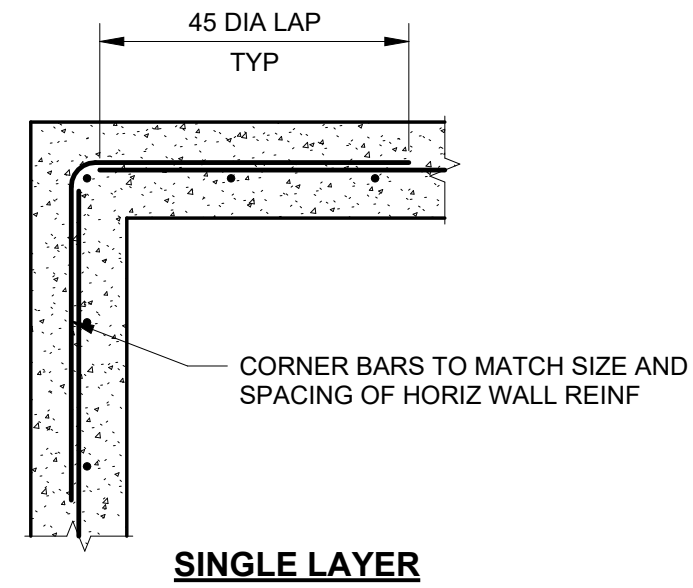
TABLE 1705.8 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CAST-IN-PLACE FOUNDATION ELEMENTS			
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	
1. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATED RECORDS FOR EACH ELEMENT.	X	-	
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	-	
3. FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.		-	

END OF SECTION 033000

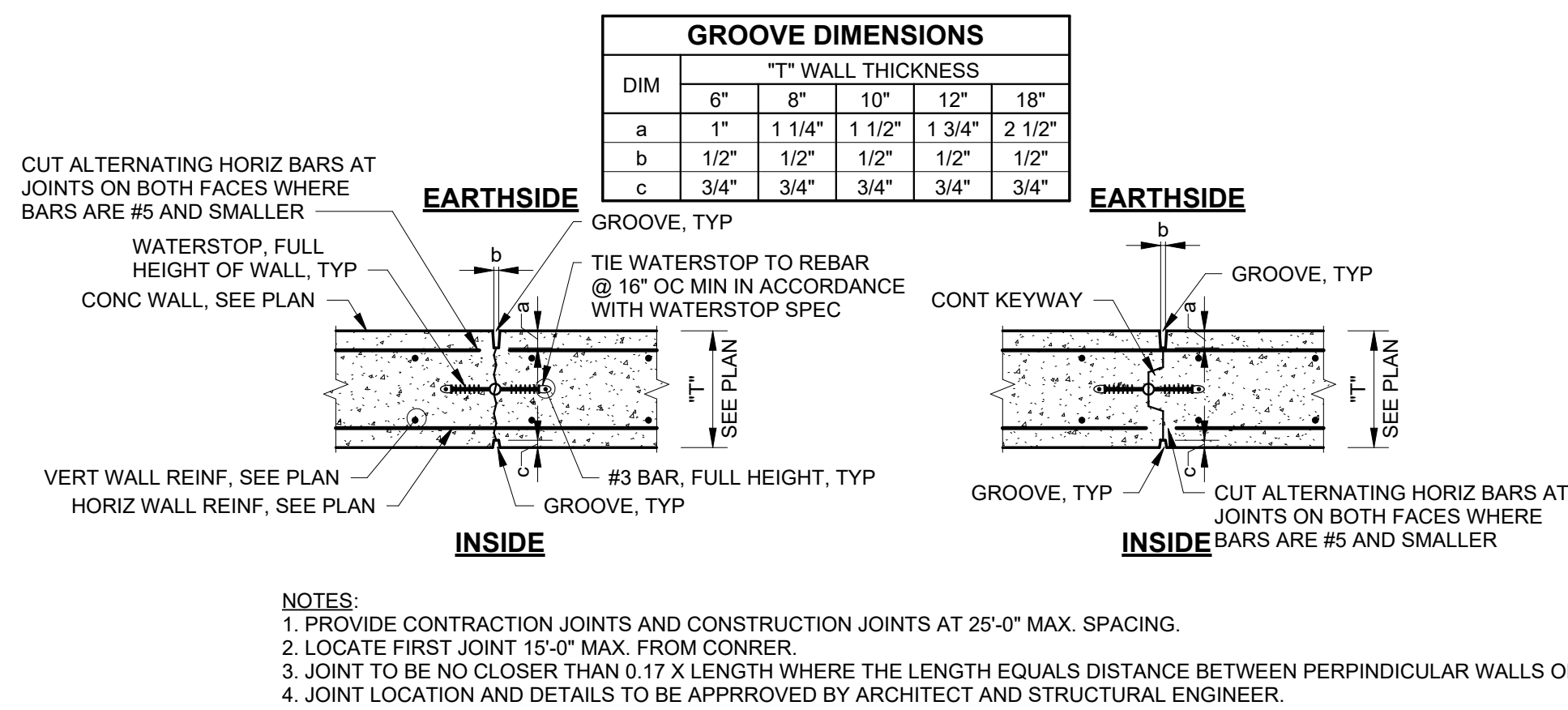
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CHECKED BY:	ASH			
APPROVED BY:	BAE			
F.B. NO.	PQ			



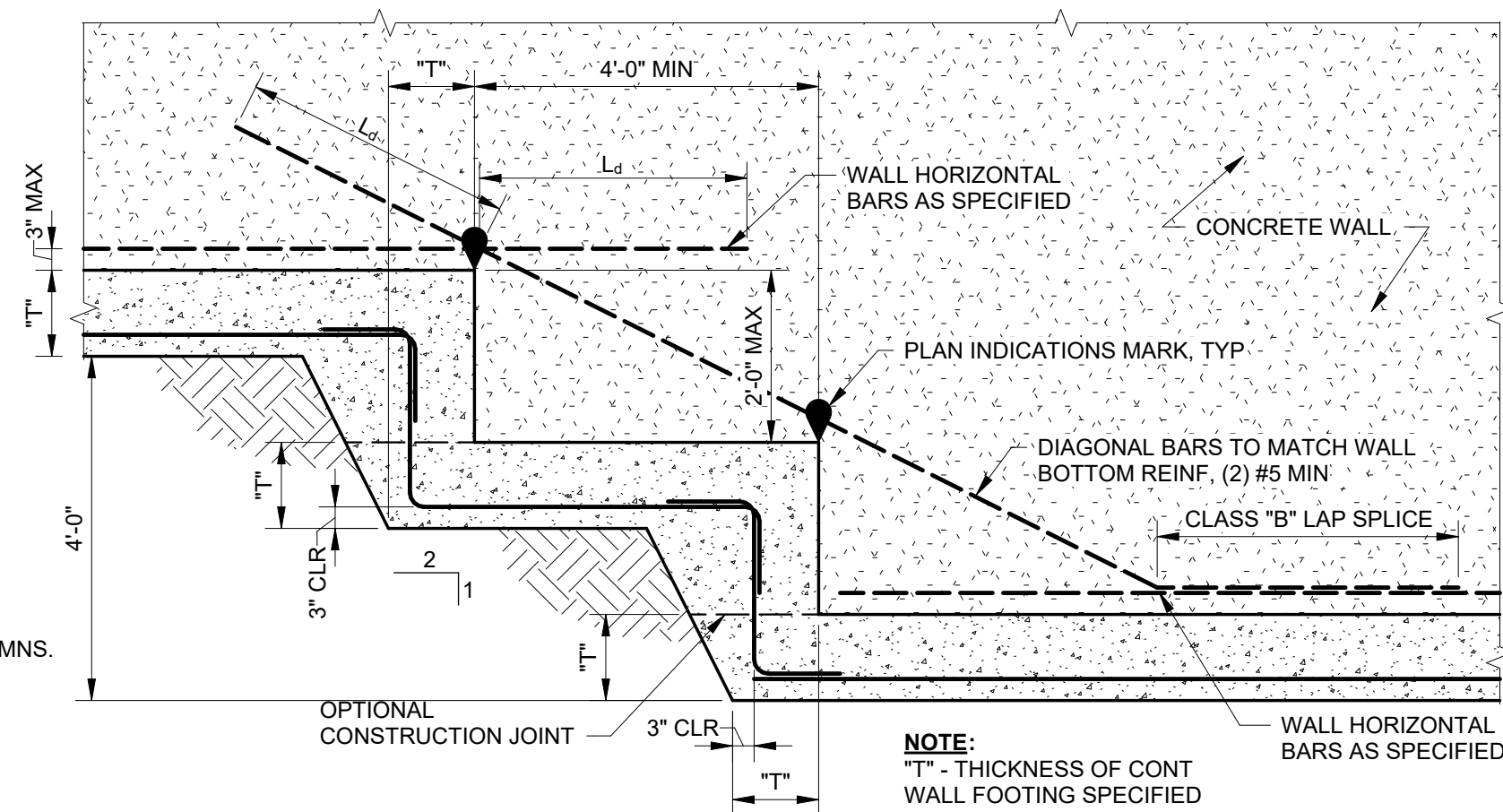
1. INDICATES STEPPED FOOTING, REFER TO TYPICAL DETAIL ON SHEET S2.1 FOR MORE INFORMATION.



TYPICAL CONCRETE WALL CORNER DETAILS



TYPICAL VERTICAL CONTRACTION AND CONSTRUCTION JOINTS IN CONCRETE WALL DETAIL



TYPICAL STEPPED FOOTING DETAIL

LAP TABLE (f _c = 4,500 PSI)					
BAR SIZE	LAP CLASS	UNCOATED BARS			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	18	26	14	20
	B	23	34	18	26
	A	23	35	18	27
#4	B	30	45	23	35
	A	29	44	23	34
	B	35	50	29	44
#5	A	35	53	27	40
	B	45	68	35	53
	A	51	87	39	59
#6	B	66	100	51	77
	A	58	88	45	67
	B	76	114	58	88

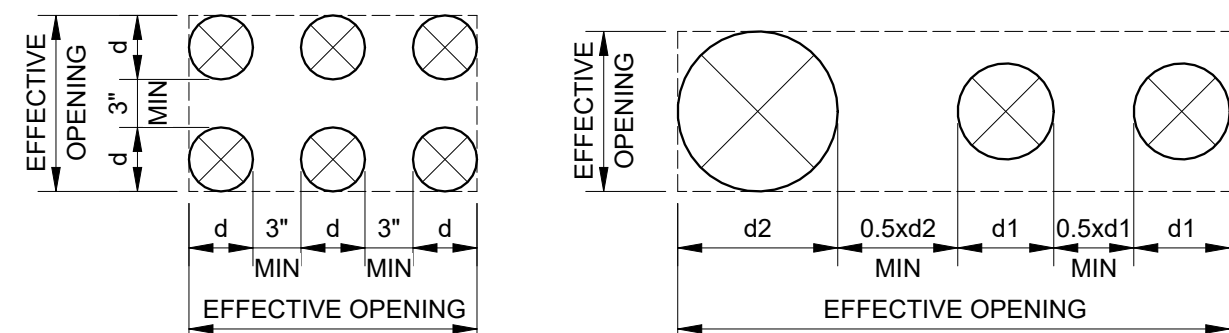
NOTES:

1. TABULATED VALUES ARE BASED ON A MINIMUM YIELD STRENGTH OF 50,000 PSI. LENGTHS ARE IN INCHES
2. CASE 1: WITH 2 INCH COVER ON ALL FOUR SIDES OF STRUCTURAL MEMBER, CONCRETE COVER, AND OC SPACING OF THE BARS ARE DEFINED AS:
BEAMS AND COLUMNS
CASE 1: CONCRETE COVER AT LEAST 1.0d; AND OC SPACING AT LEAST 2.0 d.
CASE 2: CONCRETE COVER LESS THAN 1.0d; OR OC SPACING AT LESS THAN 2.0 d.
OTHER BARS
CASE 1: CONCRETE COVER AT LEAST 1.0d; AND OC SPACING AT LEAST 3.0 d.
CASE 2: CONCRETE COVER LESS THAN 1.0d; OR OC SPACING AT LESS THAN 3.0 d.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.

LAP TABLE (F _c = 4,000 PSI)					
BAR SIZE	LAP CLASS	UNCOATED BARS			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	24	36	19	28
#4	A	25	37	19	29
	B	32	48	25	37
#5	A	40	60	31	47
	B	48	72	37	56
#6	A	37	56	29	43
	B	48	72	37	56
#7	A	54	81	42	63
	B	70	106	54	81
#8	A	62	93	48	71
	B	80	121	62	93

NOTES:

1. TABULATED VALUES ARE BASED ON A MINIMUM YIELD STRENGTH OF 60,000 PSI. LENGTHS ARE IN INCHES.
2. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL MEMBER, CONCRETE COVER, AND OC SPACING OF THE BARS ARE DEFINED AS:
BEAMS AND COLUMNS
 - A. CASE 1: CONCRETE COVER AT LEAST 1.0d, AND OC SPACING AT LEAST 2.0 d.
 - B. CASE 2: CONCRETE COVER LESS THAN 1.0d, OR OC SPACING AT LESS THAN 2.0 d.**OTHER BARS**
 - A. CASE 1: CONCRETE COVER AT LEAST 1.0d, AND OC SPACING AT LEAST 3.0 d.
 - B. CASE 2: CONCRETE COVER LESS THAN 1.0d, OR OC SPACING AT LESS THAN 3.0 d.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.



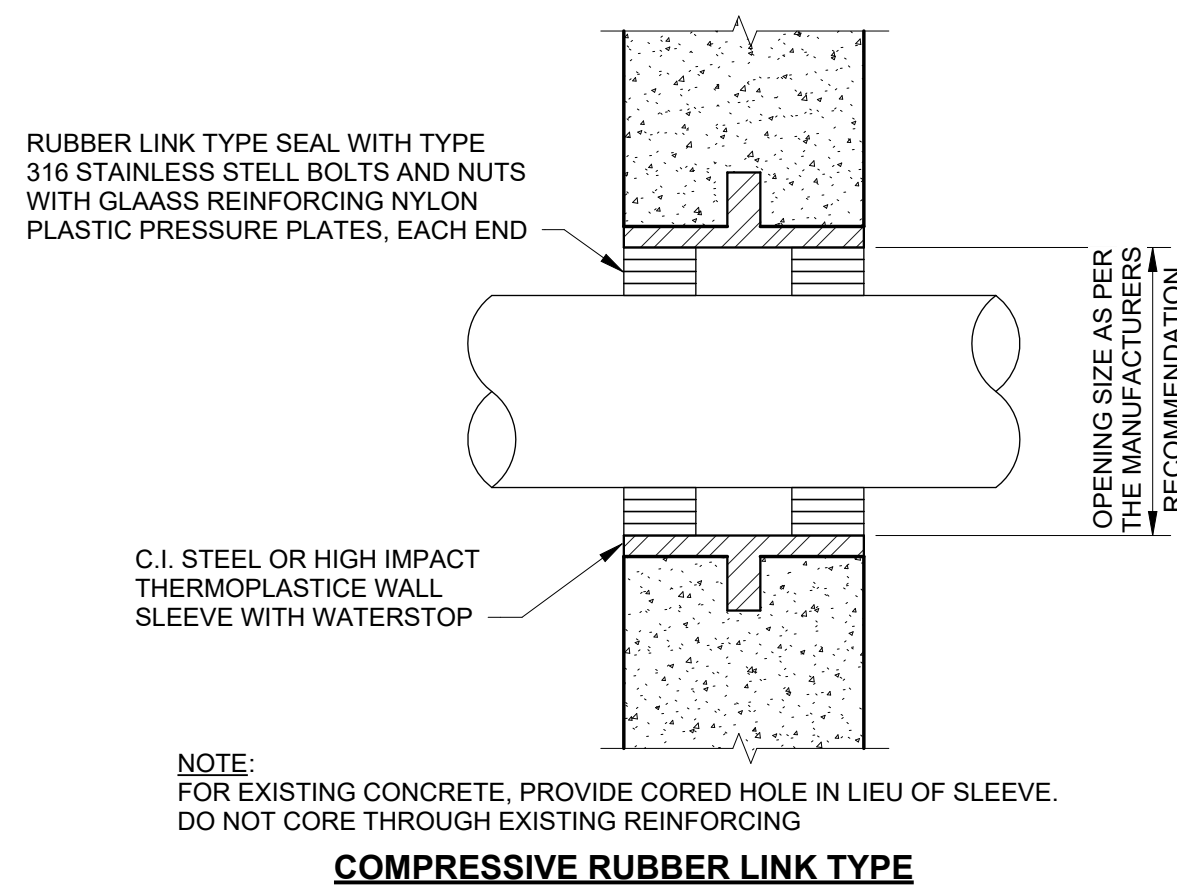
MULTIPLE SLEEVES < 8" DIA

MULTIPLE SLEEVES > 8" DIA

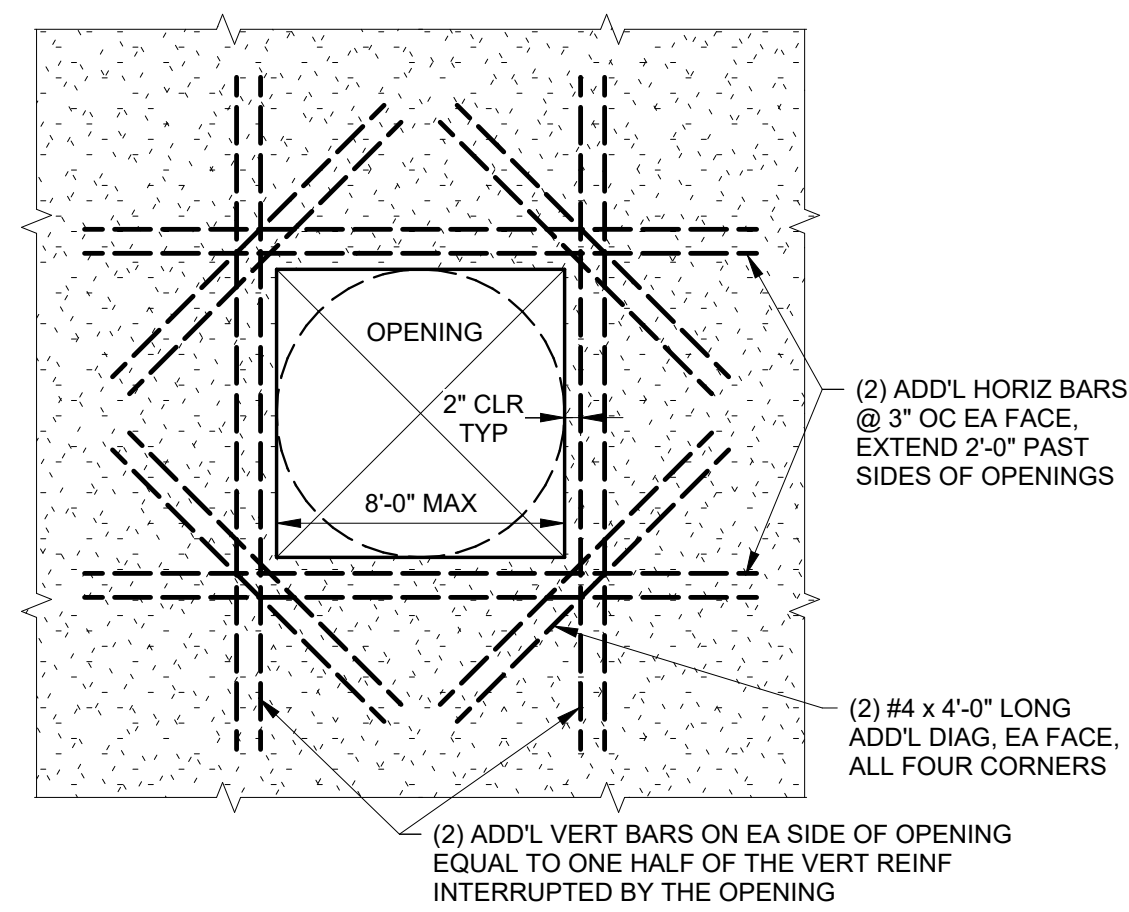
NOTES:

1. OPENINGS SMALLER THAN 16"x16" AND INDIVIDUAL PIPE SLEEVES $\leq 16"$ REQUIRE NO ADDITIONAL REINFORCING STEEL. WORK THE REINFORCING STEEL AROUND THE SLEEVES.
2. RECTANGULAR OPENING SHOWN; ADDITIONAL REINFORCING STEEL AROUND INDIVIDUAL ROUND OPENINGS $> 16"$ SIMILAR.
3. SPACING GROUPED SLEEVES PER FIGURE 2-2" ABOVE AND TREAT AS A SINGLE SLEEVE.
4. EFFECTIVE RECTANGULAR OPENING: PROVIDE ADDITIONAL REINFORCING STEEL AROUND EFFECTIVE OPENING (AS SHOWN FOR SINGLE OPNG) AND INSTALL REQUIRED HORIZONTAL AND VERT REIN STEEL UNINTERRUPTED BETWEEN SLEEVES.
5. COORDINATE WITH OPENING SIZE & LOCATION WITH ARCH, MECH, ELEC & PLUMBING REQUIREMENTS.

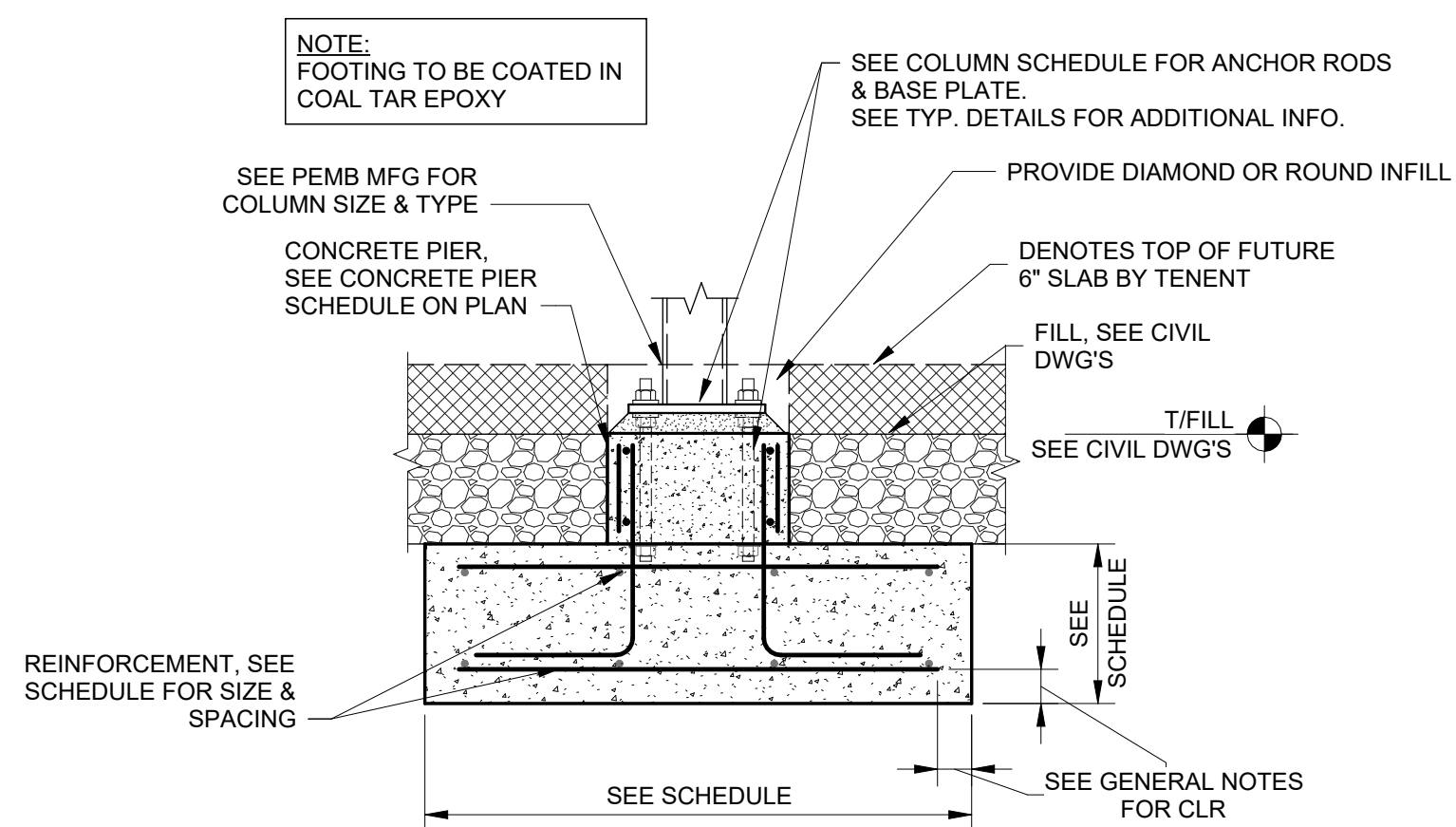
TYPICAL OPENINGS IN CONCRETE WALL WITH MULTIPLE SLEEVES



TYPICAL PIPE SLEEVE THRU CONCRETE WALL DETAIL

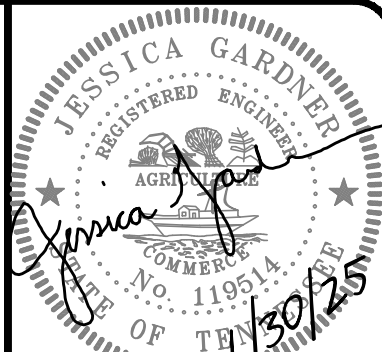


TYPICAL REINFORCING AT OPENINGS IN CONCRETE WALL DETAIL



TYPICAL INTERIOR COLUMN FOOTING



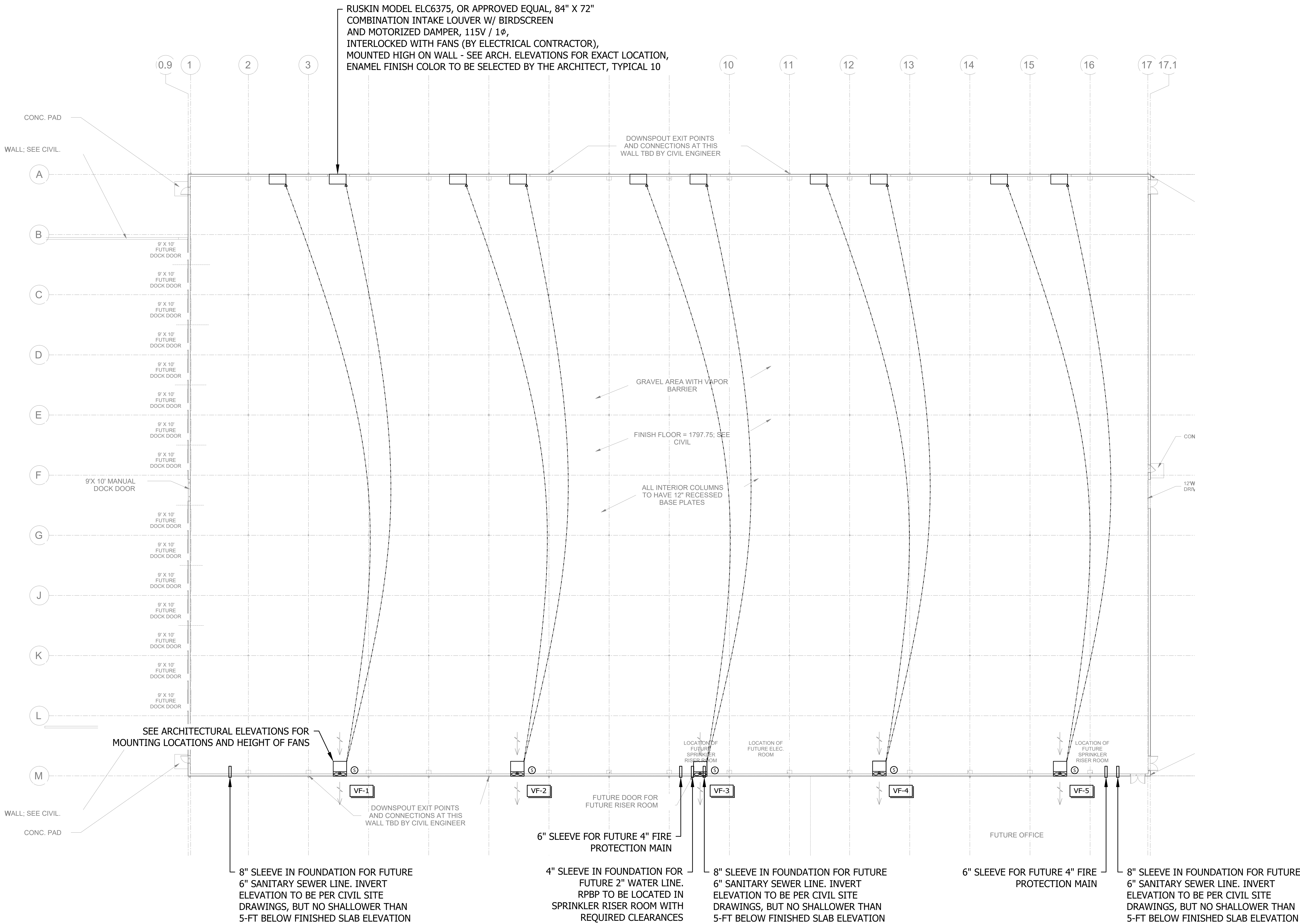


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DATE	REVISION	NO	ISSUED FOR:	100%	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
					1/29/2025	AS SHOWN	JLG	JLG	OEI

PROJECT NO. 232137	
DISCIPLINE MECHANICAL / PLUMBING	
SHEET MP-1	

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555
MECHANICAL / PLUMBING PLAN





verdantas

FURNISH, INSTALL, PROVIDE AND MAKE OPERATIVE ALL EQUIPMENT, MATERIALS, SUPERVISION, LABOR AND ANY AND ALL ITEMS NECESSARY FOR THE PROPER INSTALLATION OF A CORRECTLY FUNCTIONING MECHANICAL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.

EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. EQUALS SHALL BE ACCEPTED FOR EQUIPMENT UNLESS OTHERWISE NOTED.

ORDINANCES, PERMITS AND CODES: THE WORKMANSHIP AND MATERIALS COVERED BY THESE SPECIFICATIONS SHALL CONFORM TO ALL REGULATIONS OF ALL THE AUTHORITIES HAVING JURISDICTION.

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CONNECTION AND INSPECTION FEES AS REQUIRED FOR THE COMPLETE INSTALLATION OF THE MECHANICAL SYSTEM.

THE LOCATION OF DUCTS, PIPE AND EQUIPMENT, AS SHOWN ON THE DRAWINGS, IS DIAGRAMMATIC AND SCHEMATIC AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN WORKING LAYOUT TO ELIMINATE ALL STRUCTURAL AND ARCHITECTURAL CONFLICTS IN THE BUILDING.

VERIFY ALL MEASUREMENTS AT THE SITE AND COORDINATE ALL WORK SO THAT IT DOES NOT INTERFERE WITH THE WORK OF THE OTHER TRADES.

INSULATION: ALL INSULATION, INCLUDING JACKET, OR FACING AND ADHESIVE USED TO ADHERE FACING OR JACKET TO THE INSULATION SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATING TESTED BY THE PROCEDURE RECOMMENDED BY ASTM E-84, NFPA 225 OR U.L. 723, NOT EXCEEDING: FLAME SPREAD 25, SMOKE DEVELOPED 50. ALL INSULATION ACCESSORIES SHALL ALSO HAVE THE RATING LISTED ABOVE.

SUPPLY AIR DUCTWORK INCLUDING TOPS OF DIFFUSERS ABV. C.L.G. SHALL BE INSULATED EXTERNALLY WITH R-6 VALUE, 0.75 PSF DENSITY FIBERGLASS INSULATION INCLUDING A VAPOR BARRIER INDOORS AND AN R-8 VALUE OUTDOORS. ALL RET. DUCTWORK SHALL BE INTERNALLY LINED WITH 1" THICK ACOUSTICAL LINER. EXHAUST DUCT SHALL NOT BE INSULATED, DUCT EXPOSED TO THE OUTDOORS SHALL BE LINED RECTANGULAR WITH MINIMUM R-8 INSULATION VALUE, WRAPPED WITH WATERPROOF VENTURE CLAD JACKETING.

ALL DUCTWORK SHALL BE CONSTRUCTED OF THE BEST BLOOM GALVANIZED SHEETS, FREE FROM BLISTER AND IMPERFECTIONS, AND WITH GAUGES, JOINTS, BRACING AND SUPPORTS IN STRICT ACCORDANCE WITH SMACNA STANDARDS. DUCT SIZES SHOWN ON THE DRAWINGS ARE NET INSIDE CLEAR. SCREWS SHALL BE CADMIUM PLATED. ROUND DUCT RUN-OUTS SHALL BE MIN. 26 GA. SHEET METAL. HANGERS SHALL BE 1" x " GALV. AND 4' ON CENTER

FLEXIBLE DUCT SHALL BE THERMAFLEX TYPE M-KA OR EQUAL, AND BE U.L. LISTED AND COMPLY WITH NFPA STANDARD NO. 90A. MAXIMUM LENGTH SHALL BE 5 FEET LONG. INSULATION SHALL BE 2" THICK (FLEX. TO BE USED IN CONCEALED LOCATIONS ONLY)).

PROVIDE FLEXIBLE NEOPRENE DUCT CONNECTORS ON THE DISCHARGE AND ENTERING SIDES OF ALL VIBRATING EQUIPMENT TO WHICH DUCTWORK IS ATTACHED.

INSTALL DOUBLE THICKNESS TURNING VANES AT EACH CHANGE IN DIRECTION OF THE DUCT.

INSTALL MANUAL VOLUME DAMPERS AT EACH BRANCH TAKE-OFF FROM THE MAIN DUCT.

ALL UNITS SHALL BE BALANCED TO WITHIN 5% OF THE DESIGN AIR QUANTITY. BALANCE DIFFUSERS AND REGISTERS TO QUANTITIES SHOWN ON DRAWINGS. TEST AND BALANCE IS TO BE PERFORMED BY A CERTIFIED T & B CONTRACTOR

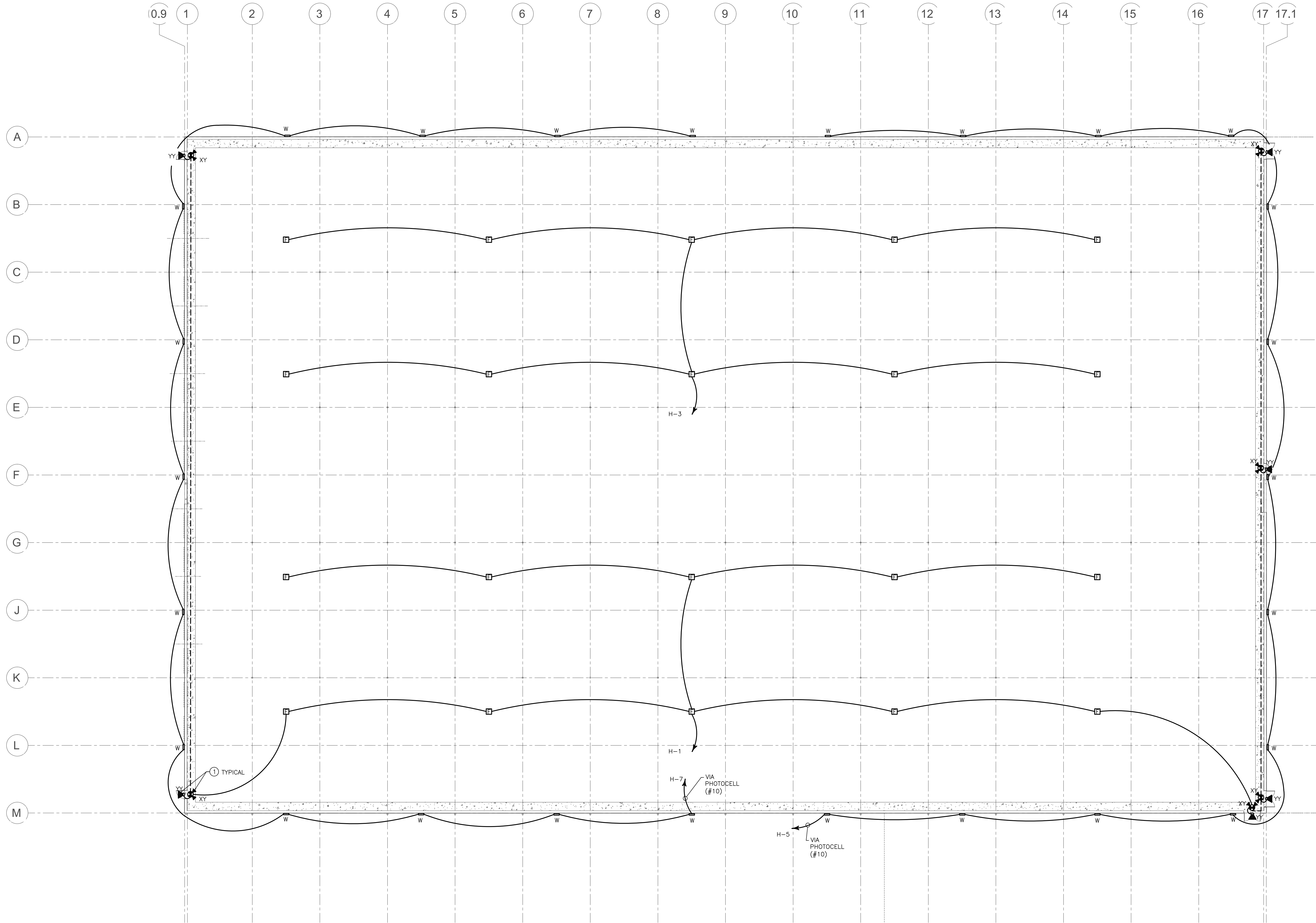
SYMBOL	VF-1 THRU 5
MANUFACTURER	L. COOK
MODEL No.	60X1WH
TYPE	PROPELLER
SIZE	66-3/16" SQ.
C.F.M.	45,000
S.P. IN W.G.	0.25"
R.P.M.	1725
TIP SPEED (RPM)	---
H.P. / WATTS	7.5 HP
B.H.P.	---
Sound Rating (SONES)	24
Voltage / Phase	460V / 3Ø
LOCATION	WALL
OPERATING WEIGHT	650
ACCESSORIES	ALL

REMARKS:

1. WALL HOUSING, GRAVITY BACKDRAFT DAMPER, MOTOR STARTER
2. INTERLOCK WITH OUTSIDE AIR INTAKE LOUVER & WALL SWITCH/TIMER
3. WALL SWITCH WITH TIMER AND BATTERY BACKUP
4. ELECTRICAL TO PROVIDE STARTER IF REQUIRED



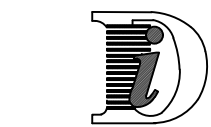
01 January, 2000



LIGHTING FIXTURE SCHEDULE				
Type	Mfg	Cat #	Lamps	Voltage Mounting Description
F	COLUMBIA	CLB2-40MH-W-EDU	154 W LED	277 SUSPENDED HIGHBAY FIXTURE
W	KIM	WDM-D-48L-105-3K7-4F	104W LED	277 SURFACE EXTERIOR LED WALL PACK
XY	LITHONIA	LHQM LED R HO SD	INCLUDED LED	120 SURFACE LED EXIT LIGHT COMBO 2-HEAD EGRESS LIGHT W/ INTERNAL BATTERY
Y	LITHONIA	ELM2 LED	INCLUDED	120 UNIVERSAL 2-HEAD EGRESS LIGHT W/ INTERNAL BATTERY
YY	LITHONIA	ELA T QWP L0309 SD	INCLUDED LED	120 UNIVERSAL LED EXTERIOR EMERGENCY REMOTE FIXTURE
NOTE: FOR FIXTURES THAT ARE DIMMABLE- COORDINATE DIMMING SWITCH SELECTION THAT IS SPECIFICALLY DESIGN FOR THE FIXTURE TYPE				

NOTES:
① EXIT AND EGRESS LIGHTING SHALL BE UNSWITCHED AND SHALL AUTOMATICALLY ENERGIZE FROM INTERNAL BATTERY ON LOSS OF NORMAL POWER.

LIGHTING PLAN
SCALE: 1/16" = 1'



iDesign Services, Inc.
Engineering
703 Berry Road
Nashville, TN 37204
Ph: 615-298-5557

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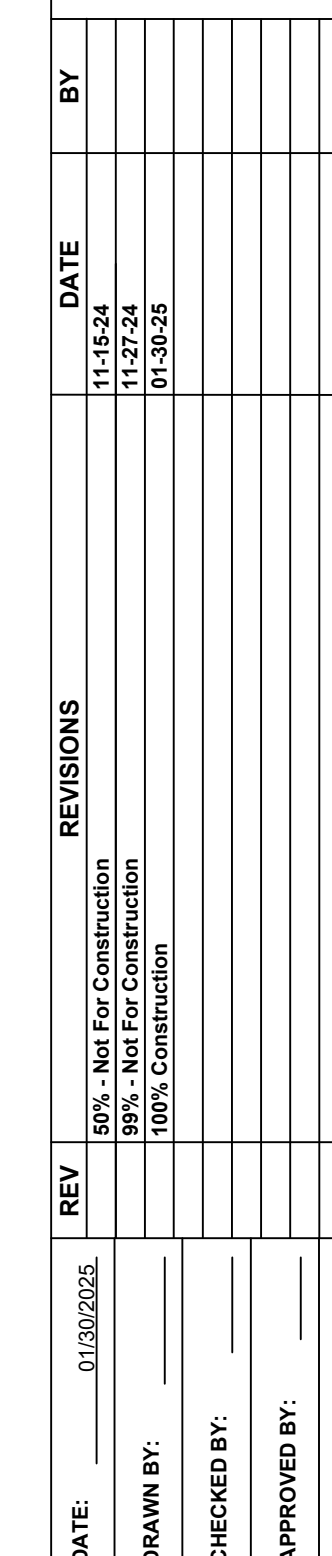
DATE: 01/30/2025	REV	REVISIONS	DATE	BY
	001	90% - Not For Construction	11/15/24	
	002	95% - Not For Construction	11/27/24	
	003	100% Construction	01/30/25	

DRAWN BY: _____	CHECKED BY: _____	APPROVED BY: _____
F.B. NO.: _____	PG.: _____	

PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555

LIGHTING PLAN

CONTRACT NO:	242551
SHEET	E1.0



PEMB Shell
City of Crossville, TN
700 Interchange Drive, Crossville, TN 38555
POWER & SYSTEMS PLAN

CONTRACT NO:
242551
SHEET
E2.0

POWER & SYSTEMS PLAN

SCALE: $1/16'' = 1'$

SPECIFICATIONS

ELECTRICAL SYSTEMS SHALL BE IN COMPLETE AND WORKING ORDER.

CODES, PERMITS, AND FEES: OBTAIN PERMITS, PAY FEES, AND SECURE INSPECTIONS REQUIRED BY AGENCIES HAVING AUTHORITY OVER THIS WORK.

PROVIDE SUBMITTALS FOR LIGHT FIXTURES AND SWITCHGEAR IN ACCORDANCE WITH PROCEDURE DESCRIBED IN DIVISION 1 SPECIFICATION. REFERENCE TO SPECIFIC PRODUCTS IS INTENDED TO ESTABLISH A LEVEL OF QUALITY, NOT TO LIMIT COMPETITION.

ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, WITH STATE AND LOCAL ELECTRICAL AND BUILDING CODES AND ORDINANCES, AND WITH SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS WITHIN THE COMPLETE INSTALLATION. IN THE EVENT OF CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS, AND SUCH CODES, A RULING SHALL BE REQUESTED OF THE ARCHITECT.

EQUIPMENT SHALL BE UL LISTED. INSTALLATION SHALL CONFORM TO UL STANDARDS, WHERE APPLICABLE. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. WHERE CONFLICTS OCCUR BETWEEN CONTRACT DOCUMENTS AND THESE RECOMMENDATIONS, A RULING SHALL BE REQUESTED OF THE ARCHITECT.

CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS.

PROTECT WORK AND MATERIALS FROM DAMAGE. CAP CONDUIT DURING INSTALLATION. AVOID DAMAGE TO MATERIALS AND EQUIPMENT IN PLACE. SATISFACTORILY REPAIR OR REMOVE AND REPLACE DAMAGED WORK WITH NEW MATERIALS.

DO NOT COVER CONCEALED WORK UNTIL TESTING IS COMPLETED AND INSTALLATION HAS BEEN APPROVED. FURNISH INSTRUMENTS, DEVICES, AND EQUIPMENT NECESSARY TO PERFORM TESTS. CLEAR DEFECTS DISCOVERED DURING TESTS.

IDENTIFY ELECTRICAL EQUIPMENT WITH PERMANENTLY ATTACHED BLACK PHENOLIC PLATES WITH 1/4" WHITE ENGRAVED LETTERING ON THE FACE OF EACH, ATTACHED WITH TWO SHEET METAL SCREWS.

MAKE ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT AND CONTROLS. DETERMINE REQUIREMENTS FROM DRAWINGS, SPECIFICATIONS, AND SHOP DRAWINGS.

MAINTAIN ONE SET OF ELECTRICAL PRINTS ON THE SITE, MARKED TO SHOW AS-BUILT CONDITIONS AND INSTALLATIONS. PREPARE COPIES OF THESE PRINTS AT JOB COMPLETION.

PROVIDE NEMA HD SAFETY SWITCHES AND DISCONNECTS BY SQUARE D, ITE, GE, OR WESTINGHOUSE.

PROVIDE JUNCTION BOXES AS SHOWN ON DRAWINGS AND OTHERWISE WHERE REQUIRED, SIZED ACCORDING TO NUMBER OF CONDUCTORS IN BOX OR TYPE OF SERVICE TO BE PROVIDED. MINIMUM JUNCTION BOX SIZE 4 INCHES SQUARE AND 2-1/8 INCHES DEEP UNLESS OTHERWISE NOTED. PROVIDE SCREW COVERS FOR JUNCTION BOXES.

INSTALL FEEDER WIRING IN CONDUIT. COMPLY WITH NATIONAL ELECTRICAL CODE AND LOCAL AUTHORITIES HAVING JURISDICTION, INCLUDING GROUNDING AND SUPPORTING ARRANGEMENT.

1. WIRING: WIRE AND CABLE SHALL BE TYPE THHN OR THW, 600V BY ANACONDA, GENERAL ELECTRIC, TRIANGLE, ROME, OR SOUTHWIRE. WIRING SHALL BE MINIMUM #12 AWG. #12 AND #10 AWG CONDUCTORS SHALL BE SOLID WITH THWN OR THHN INSULATION. #8 AWG AND LARGER, STRANDED THW, THWN, OR THHN. ALL WIRING SHALL BE IN CONDUIT. TYPE MC CABLE MAY BE USED WHERE ALLOWED IN OR AROUND EACH PIECE OF FLEXIBLE CONDUIT AND SCREW TO CONDUIT SYSTEM WITH LUGS AT BOTH ENDS.

2. GROUNDING: PROVIDE ALL CABLES WITH GROUND CONDUCTORS. GROUND ELECTRICAL SYSTEM IN ACCORDANCE WITH ARTICLE 250, NATIONAL ELECTRICAL CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. DO NOT USE FLEXIBLE METAL CONDUIT AND FITTINGS AS A GROUNDING MEANS. PULL A GREEN WIRE IN OR AROUND EACH PIECE OF FLEXIBLE CONDUIT AND SCREW TO CONDUIT SYSTEM WITH LUGS AT BOTH ENDS.

3. LIGHTING FIXTURES: ALL FIXTURES SHALL BE NEW AS SPECIFIED, OR APPROVED EQUAL. FURNISH LAMPS FOR ALL FIXTURES.

4. RACEWAYS: PROVIDE COMPLETE CONDUIT SYSTEM WITH ASSOCIATED COUPLINGS, CONNECTORS, AND FITTINGS.

USE EMT OR TYPE MC CABLE WHERE DRAWINGS CALL FOR CONDUIT TO BE CONCEALED IN WALLS, OR INSTALLED ABOVE SUSPENDED CEILINGS. USE IMC WHERE DRAWINGS CALL FOR CONDUIT TO BE INSTALLED FOR FEEDERS, INSTALLED EXPOSED BELOW 6 FEET, OR INSTALLED IN WET LOCATIONS.

USE FLEXIBLE METAL CONDUIT AT THE TERMINATION OF LIGHT FIXTURES OR OF EQUIPMENT SUBJECT TO MECHANICAL VIBRATION. FLEXIBLE METAL CONDUIT SHALL BE ELECTRICALLY CONTINUOUS FROM OUTLET OR CONDUIT END TO UTILIZATION EQUIPMENT. LENGTH SHALL NOT EXCEED 6 FEET EXPOSED OR 3 FEET CONCEALED IN WALLS. A COPPER GROUND WIRE SHALL BE INSTALLED AS A JUMPER AROUND FLEXIBLE CONDUIT. THE JUMPER MAY BE INSTALLED INSIDE OR OUTSIDE OF CONDUIT TO ASSURE CONTINUITY OF GROUND.

USE PVC CONDUIT FOR OUTSIDE UNDERGROUND BRANCH CIRCUITS, FOR ELECTRICAL SERVICE, AND FOR TELEPHONE SERVICE. USE IMC OR RGS ELLS WHEN TURNING UP ABOVE GROUND OR THROUGH CONCRETE SLAB. PVC CONDUIT SHALL BE CARLON, SCHEDULE 40.

FLEXIBLE WIRING SYSTEMS MAY BE EMPLOYED WITH APPROPRIATE FITTINGS, TERMINATIONS, BONDING, GROUNDING AND SUPPORTS AS ALLOWED BY CODE AND RECOMMENDED BY MANUFACTURER.

RUN EXPOSED CONDUIT AT RIGHT ANGLES TO OR PARALLEL TO WALLS OF BUILDING.

SUPPORT CONDUIT VERTICALLY AND HORIZONTALLY BY STRAPS OR HANGERS. DO NOT EXCEED THESE INTERVALS: 1/2 INCH AND 3/4 INCH - 5 FEET; 1 INCH THROUGH 1-1/2 INCHES - 7 FEET; 2 INCHES AND LARGER - 9 FEET. LEAVE ONE #10 PULL WIRE IN EMPTY CONDUITS.

USE EXPANSION FITTINGS, PROPERLY BONDED TO ASSURE GROUND CONTINUITY ACROSS EXPANSION JOINTS IN FLOORS AND CEILINGS. USE DOUBLE LOCK NUTS AND BUSHINGS ON PANEL FEEDERS AT PANEL ENCLOSURES. USE SHORT PIECES, APPROXIMATELY TWO FEET OF FLEXIBLE CONDUITS, TO CONNECT MOTORS AND OTHER DEVICES SUBJECT TO MOTION AND VIBRATION.

5. OUTLET BOXES: OUTLET BOXES SHALL BE NATIONAL, APPLETON, GENERAL ELECTRIC, OR RACO.

PROVIDE WIRING DEVICES, FIXTURES, AND SPECIAL OUTLETS WITH AN OUTLET BOX. USE GALVANIZED STEEL FOR CONCEALED BOXES. USE CAST IRON CONDUIT FITTINGS SIMILAR TO "CONDULETS" AND "UNILETS" WITH THREADED HUBS FOR EXPOSED BOXES.

6. WIRING DEVICES: ACCEPTABLE MANUFACTURERS SHALL BE HUBBELL, LEVITON, PASS & SEYMOUR, BRYANT, OR GENERAL ELECTRIC. PART NUMBERS LISTED ARE LEVITON.

SINGLE POLE SWITCH - 15A, 120/277VAC; LEVITON 1201-1
DUPLICATE RECEPTACLE - 15A, 125VAC; LEVITON 5252-1
GROUND FAULT INTERRUPTING RECEPTACLE - 15A, 125VAC; LEVITON 6599J1

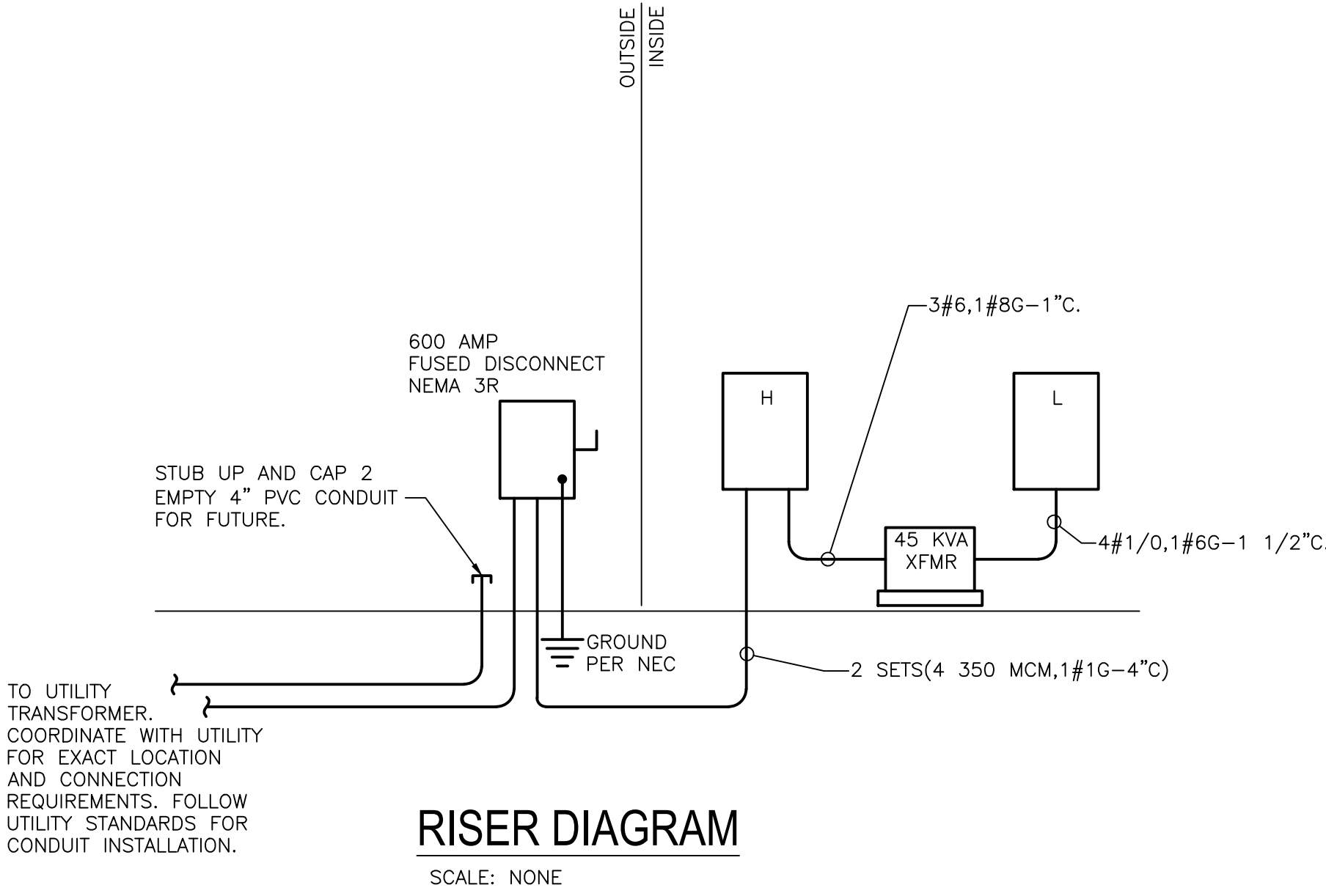
7. DEVICE PLATES: PROVIDE DEVICE PLATES ON SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, AND MISCELLANEOUS DEVICES FROM A MANUFACTURER EQUAL TO LEVITON 83000 STAINLESS STEEL PLATES.

8. SWITCHGEAR: PROVIDE SWITCHGEAR AS DESCRIBED IN PANEL SCHEDULES ON DRAWINGS. PROVIDE WORKING CLEARANCE AND PANEL CLEARANCE IN ACCORDANCE WITH NEC AND LOCAL AMENDMENTS.

9. TELEPHONE/DATA: PROVIDE 4" SQUARE BOX FOR EACH TELEPHONE/DATA OUTLET. STUB A 3/4" CONDUIT FROM BOX TO SPACE ABOVE ACCESSIBLE CEILING. COORDINATE REQUIREMENTS FOR TELEPHONE SERVICE WITH UTILITY COMPANY.

Panel	H	OC Type										CKT BRKR	Voltage L-L		480
Encl	NEMA 1	A.I.C.										35 000	Voltage L-N		277
Mtg	SURFACE	Main										MLO	Amperage		600
Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.	
1	LIGHTING	2	1540	# 10	20	1	A	A	3	20	3000	10	VF-1	2	
3	LIGHTING	2	1540	# 10	20	1	B	B	-	-	3000	10	"	4	
5	LIGHTING	2	1350	# 10	20	1	C	C	-	-	3000	10	"	6	
7	LIGHTING	2	1350	# 10	20	1	A	A	3	20	3000	10	VF-2	8	
9	SPACE	-	-	-	-	-	B	B	-	-	3000	10	"	10	
11	SPACE	-	-	-	-	-	C	C	-	-	3000	10	"	12	
13	SPACE	-	-	-	-	-	A	A	3	20	3000	10	VF-3	14	
15	SPACE	-	-	-	-	-	B	B	-	-	3000	10	"	16	
17	SPACE	-	-	-	-	-	C	C	-	-	3000	10	"	18	
19	SPACE	-	-	-	-	-	A	A	3	20	3000	10	VF-4	20	
21	SPACE	-	-	-	-	-	B	B	-	-	3000	10	"	22	
23	SPACE	-	-	-	-	-	C	C	-	-	3000	10	"	24	
25	SPACE	-	-	-	-	-	A	A	3	20	3000	10	VF-5	26	
27	SPACE	-	-	-	-	-	B	B	-	-	3000	10	"	28	
29	SPACE	-	-	-	-	-	C	C	-	-	3000	10	"	30	
31	SPACE	-	-	-	-	-	A	A	-	-			SPACE	32	
33	SPACE	-	-	-	-	-	B	B	-	-			SPACE	34	
35	SPACE	-	-	-	-	-	C	C	-	-			SPACE	36	
37	SPACE	-	-	-	-	-	A	A	3	70			PANEL LP	38	
39	SPACE	-	-	-	-	-	B	B	-	-			"	40	
41	SPACE	-	-	-	-	-	C	C	-	-			"	42	
Phase A	17890 VA														
Phase B	16540 VA	NOTES: _____													
Phase C	16350 VA	Connected KVA = 52.0													
		Demand KVA = 44.9													
		Demand Amps = 54.0													

Panel	L	OC Type										CKT BRKR	Voltage L-L		208
Encl	NEMA 1	A.I.C.										10,000	Voltage L-N		120
Mtg	SURFACE	Mains										150/3 MB	Amperage		100
Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	RECEPTACLES	3	180		20	1	A	A	-	-				SPACE	2
3	LOUVERS	4	600		20	1	B	B	-	-				SPACE	4
5	LOUVERS	4	400		20	1	C	C	-	-				SPACE	6
7	SPACE				-	-	A	A	-	-				SPACE	8
9	SPACE				-	-	B	B	-	-				SPACE	10
11	SPACE				-	-	C	C	-	-				SPACE	12
13	SPACE				-	-	A	A	-	-				SPACE	14
15	SPACE				-	-	B	B	-	-				SPACE	16
17	SPACE				-	-	C	C	-	-				SPACE	18
19	SPACE				-	-	A	A	-	-				SPACE	20
21	SPACE				-	-	B	B	-	-				SPACE	22
23	SPACE				-	-	C	C	-	-				SPACE	24
25	SPACE				-	-	A	A	-	-				SPACE	26
27	SPACE				-	-	B	B	-	-				SPACE	28
29	SPACE				-	-	C	C	-	-				SPACE	30
31	SPACE				-	-	A	A	-	-				SPACE	32
33	SPACE				-	-	B	B	-	-				SPACE	34
35	SPACE				-	-	C	C	-	-				SPACE	36
37	SPACE				-	-	A	A	-	-				SPACE	38
39	SPACE				-	-	B	B	-	-				SPACE	40
41	SPACE				-	-	C	C	-	-				SPACE	42
Phase A	180 VA														
Phase B	600 VA														
Phase C	400 VA														
NOTES:															
Connected KVA = 1.2															
Demand KVA = 0.9															
Demand Amps = 2.4															



ELECTRICAL LEGENDS AND SCHEDULES

SCALE: NONE

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MTG. HT.
GENERAL		
	HOMERUN CONDUIT (QUANTITY OF ARROWS DETERMINES NUMBER OF CIRCUITS)	_____
	CONDUIT CONCEALED	_____
	CONDUIT CONCEALED BELOW FLOOR OR GRADE	_____
	CONDUIT EXPOSED	_____
	NOTE REFERENCE – REFER TO NOTE INDICATED	_____
	ALL FIXTURES IN THIS SPACE SHALL BE THE SAME TYPE INDICATED	_____
LIGHTING		
	2'x4' FIXTURE	_____
	2'x2' FIXTURE	_____
	4' FIXTURE	_____
	DOWN LIGHT	_____
	2'x4' FIXTURE W/ INTERNAL BATTERY	_____
	2'x2' FIXTURE W/ INTERNAL BATTERY	_____
	4' FIXTURE W/ INTERNAL BATTERY	_____
	DOWN LIGHT W/ INTERNAL BATTERY	_____
	WALL MOUNTED LIGHT	_____
	WALL MOUNTED SCONCE LIGHT	_____
	PENDANT LIGHT	_____
	WALL WASHER	_____
	UNDERCABINET LIGHT	_____
	DUAL HEAD EGRESS LIGHT W/ INTERNAL BATTERY	_____
	EXIT LIGHT W/ INTERNAL BATTERY	_____
	DUAL HEAD EGRESS LIGHT / EXIT LIGHT COMBO UNIT W/ INTERNAL BATTERY	_____
	EXTERIOR REMOTE EMERGENCY EGRESS FIXTURE W/ INTERNAL BATTERY	_____
SWITCHES		
	S SINGLE POLE SWITCH	3'-10" AFF
	S3 THREE WAY SWITCH	3'-10" AFF
	S4 FOUR WAY SWITCH	3'-10" AFF
	S5 DIMMER SWITCH	3'-10" AFF
	S3w THREE WAY DIMMER SWITCH	3'-10" AFF
	S5w OCCUPANCY SENSOR WITH SWITCH	3'-10" AFF
	S5w OCCUPANCY SENSOR WITH DIMMER SWITCH	3'-10" AFF
	S5w OCCUPANCY SENSOR (CEILING MOUNTED)	CEILING
	S5w PHOTOCELL	ROOF
POWER		
	S120V DUPLEX RECEPTACLE	1'-6" AFF
	S120V DUPLEX RECEPTACLE – SPECIAL MOUNTING HEIGHT	AS NOTED
	S120V QUADPLEX RECEPTACLE	1'-6" AFF
	S120V QUADPLEX RECEPTACLE – SPECIAL MOUNTING HEIGHT	AS NOTED
	S120V DUPLEX GFI RECEPTACLE	1'-6" AFF
	S120V DUPLEX GFI RECEPTACLE – SPECIAL MOUNTING HEIGHT	AS NOTED
	S120V DUPLEX FLOOR RECEPTACLE	FLOOR
	S250V 2-POLE SINGLE RECEPTACLE, AMPERAGE AS SPECIFIED	1'-6" AFF
	S120V SINGLE – SPECIAL RECEPTACLE–AMPERAGE INDICATED	AS NOTED
	JUNCTION BOX	_____
	MOTOR	_____
	NON-FUSED DISCONNECT	_____
	FUSED DISCONNECT	_____
	COMBINATION TYPE MOTOR STARTER	_____
	MOTOR RATED TOGGLE	_____
SYSTEMS - DATA/COMM		
	PHONE / DATA OUTLET AND PLATE	1'-6" AFF
	PHONE / DATA OUTLET AND PLATE – SPECIAL MOUNTING HEIGHT	AS NOTED
	FLOOR PHONE / DATA OUTLET AND PLATE	FLOOR
SYSTEMS - FIRE ALARM		
	FIRE ALARM CONTROL PANEL	_____
	FIRE ALARM ANNUNCIATOR	_____
	FIRE ALARM MANUAL PULL STATION	4'-6" AFF
	FIRE ALARM VISUAL STATION – LIGHT ONLY	7'-0" AFF
	FIRE ALARM HORN / STROBE DEVICE	7'-0" AFF
	SMOKE DETECTOR	_____
	HEAT DETECTOR	_____
	DUCT SMOKE DETECTOR – SUPPLY	_____
	DUCT SMOKE DETECTOR – RETURN	_____
	SPRINKLER FLOW SWITCH	_____
	SPRINKLER TAMPER SWITCH	_____
SYSTEMS - OTHER		
	CABLE TV OUTLET AND PLATE	1'-6" AFF/U.N.O.
	CARD READER (FBO). ROUGH-IN ONLY	_____
NOTE: ALL ITEMS MAY NOT APPEAR ON PLANS		