

Index Of Sheets
SEE SHEET NO. 1A

CURRENT MINIMUM STATE OF TENNESSEE ADOPTED CODES AND STANDARDS

- (A) INTERNATIONAL BUILDING CODE, 2012 EDITION (EXCLUDING CHAPTER 11 AND SECTION 3411)
(B) NATIONAL ELECTRIC CODE, NFPA 70, 2017 EDITION.
(C) INTERNATIONAL ENERGY CONSERVATION CODE, 2012

(See Sheet G02.01 for others)

OCCUPANCY: NON-SEPARATED MIXED OCCUPANCY

IBC 2012: STORAGE OCCUPANCY, MODERATELY HAZARDNS-1
BUISNESS B

IBC SECTION 311
IBC SECTION 508.3

EXCEPTION 1 - CURRENT OCCUPANT LOAD FOR MEZZANINE IS 3
MEZZANINES OR PORTIONS THEREOF ARE NOT REQUIRED TO BE OPEN TO THE
ROOM IN WHICH THE MEZZANINES ARE LOCATED, PROVIDED THAT THE
OCCUPANT LOAD OF THE AGGREGATE AREA OF THE ENCLOSED SPACE IS OT
GREATER THAN 10

IBC SECTION 505.2.3

NFPA 2012: STORAGE OCCUPANCY, ORDINARY HAZARD

NFPA CH.42

CONSTRUCTION TYPE:

IBC 2012: TYPE VB - NON SPRINKLERED
NFPA 2012: TYPE VB - NON SPRINKLERED

IBC TABLE 601
NFPA CH.42



FIRE STOPPING REQUIREMENT

Fire stopping methods and materials
employed on the job site may not
deviate from the approved systems
detailed within this approved set.

This building has been reviewed for
significant items of the standard(s) adopted
in the Tennessee Public Building
Accessibility Act. It has not been reviewed
for compliance with the Americans with
Disabilities Act.

OCCUPANT NOTIFICATION

Occupant notification shall be in
accordance with IFC 907.2.7.1
and/or NFPA 101 9.6.3 with respect to
type and number as required by
applicable codes. The location of
devices shall be installed per NFPA 72.

PROJECT NO. 39999-3609-04 CONSTRUCTION

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES
CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW
THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF
THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND
ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS
AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 1 OR
TDOT TRANSPORTATION MANAGER 1 : KEN HAMPTON

DESIGNED BY : SEE SHEET NO. 1A

DESIGNER : SEE SHEET NO. 1A CHECKED BY SEE SHEET NO. 1A

P.E. NO. 39999-3609-04 (DESIGN)

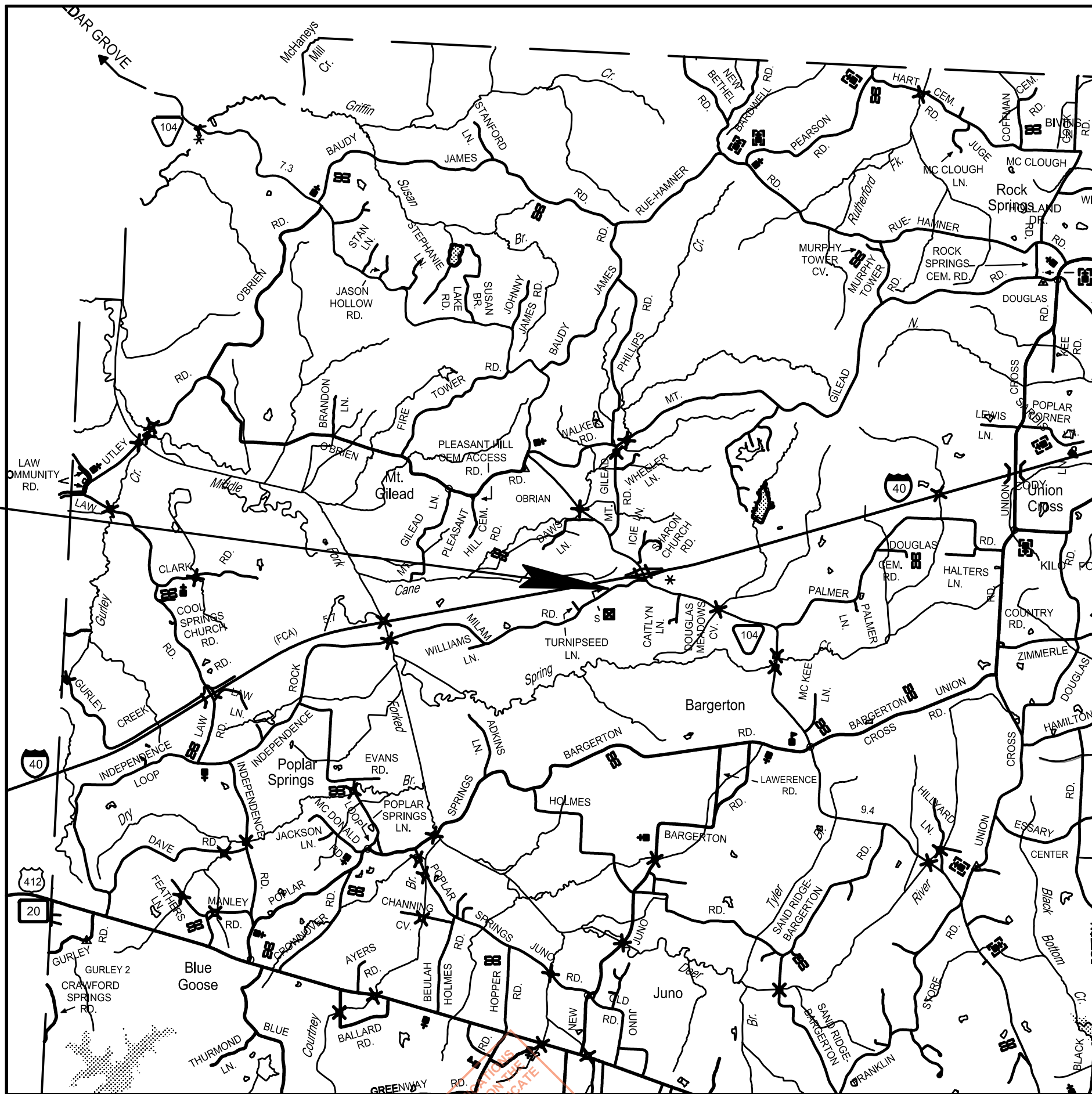
PIN NO. 131121.0

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HENDERSON COUNTY

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321

CONSTRUCTION



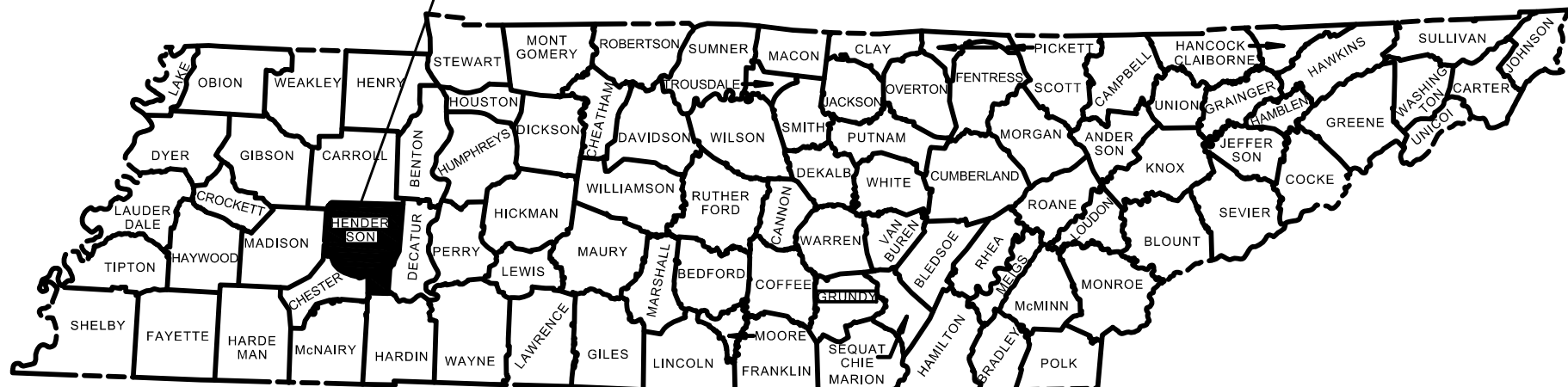
SCALE: 1"= 5280'

0 1 2 3
MILES

THESE PLANS AND SPECIFICATIONS
ARE TO BE USED FOR THE CONSTRUCTION OF THE
JOB OF THE OCCUPANCY OR PROJECT
COMPLETION FORM IS ISSUED BY
THE OFFICE OF THE COMMISSIONER
No alterations, deletions, or additions
shall be made to these plans without the
approval of the Tennessee State Fire Marshal's Office.

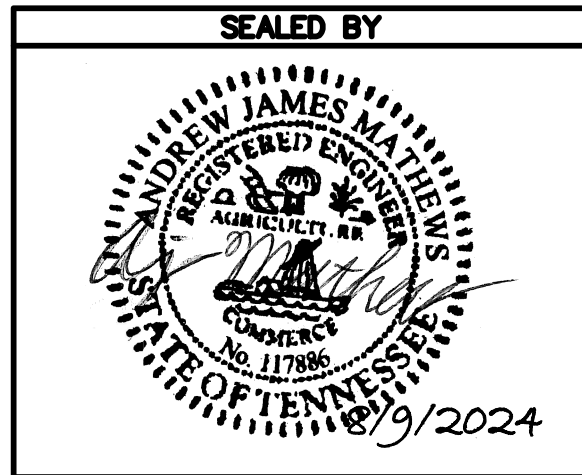
TENN.	YEAR	SHEET NO.
	2022	1
FED. AID PROJ. NO.		
STATE PROJ. NO.	39999-3609-04	

PROJECT LOCATION



Joseph P. Schmitt
APPROVED for
construction by
Joseph P. Schmitt
2024.08.23
09:13:22 -05'00'

This document is not valid if a state fire marshal's seal and electronic
signature or certification is not visible above.



APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED: Clay Bright
CLAY BRIGHT, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:
DIVISION ADMINISTRATOR DATE

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	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	607-65.20	SITE PREPARATION	EACH	1
2	680-02.01	BUILDING (FOUNDATION AND STRUCTURE)	EACH	1
3	680-02.02	BUILDING (INTERIOR CONSTRUCTION)	EACH	1
	717-01	MOBILIZATION	LS	1

1. INCLUDING BUT NOT LIMITED TO REMOVAL OF EXISTING STRUCTURES, SITE WORK, AND SITE UTILITY WORK.
2. INCLUDING BUT NOT LIMITED TO INSTALLATION OF NEW FOUNDATIONS, FLOOR SLABS, PRE-ENGINEERED METAL BUILDING, MECHANICAL UNITS, AND OVERHEAD BAY LIGHTING (CORE AND SHELL)
3. INCLUDING BUT NOT LIMITED TO CONSTRUCTION OF INTERIOR FRAMING, PLUMBING, OFFICE LIGHTING, AND INTERIOR BUILD OUT OF ELECTRICAL WORK.

ARCHITECT: WOLD/HFR DESIGN
RON FRANKS
214 CENTERVIEW DRIVE, STE 300
BRENTWOOD, TN 37207

CIVIL ENGINEER: SSR, INC.
BRANDON TAYLOR, PE
2650 THOUSAND OAKS BLVD, SUITE 4200
MEMPHIS, TN 38118

STRUCTURAL ENGINEER: SSR, INC.
AJ MATHEWS, PE
2995 SIDCO DRIVE
NASHVILLE, TN 37204

MECHANICAL ENGINEER: SSR, INC.
WALTER BLALACK, PE
2650 THOUSAND OAKS BLVD, SUITE 4200
MEMPHIS, TN 38118

PLUMBING ENGINEER: SSR, INC.
WALTER BLALACK, PE
2650 THOUSAND OAKS BLVD, SUITE 4200
MEMPHIS, TN 38118

ELECTRICAL ENGINEER: SSR, INC.
GREG LOBO, PE
2650 THOUSAND OAKS BLVD, SUITE 4200
MEMPHIS, TN 38118

TECHNOLOGY ENGINEER: SSR, INC.



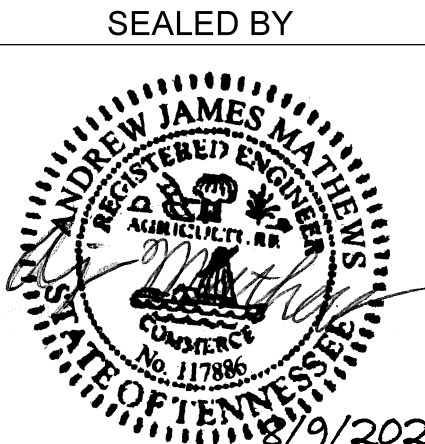
FIRE CHIEF
LYNN MURPHY
50 NATCHEZ TRACE DRIVE
LEXINGTON, TN 38351
(731) 968-4153

BUILDING OFFICIAL
DOUG BARTHOLOMEW
17 MONROE STREET
LEXINGTON, TN 38351
(731) 968-2941

THESE PLANS AND SPECIFICATIONS
ARE REQUIRED TO BE KEPT ON THE
JOB SITE UNTIL A FINAL CERTIFICATE
OF OCCUPANCY OR PROTECTIVE
COMPLETION FORM IS ISSUED BY
THIS OFFICE.

No alterations, additions, deletions or
modifications shall be allowed, this
approved or not approved when permission
is from this office.

TENNESSEE STATE FIRE MARSHAL'S OFFICE

PROJECT NO.		39999-3609-04	
PIN NO.		131121.0	
REVISIONS	DESCRIPTION	BY	DATE
	SFM COMMENTS	MC	8/7/24
<p>TDOT HENDERSON COUNTY MAINTENANCE BUILDING</p> <p>370 ROCK MILAM ROAD CEDAR GROVE, TN 38321</p>		<p>PHASE CONSTRUCTION</p> <p>DATE AUGUST 18, 2023</p>	
 <p>Wold HFR DESIGN</p> <p>214 Centerview Drive Suite 300 Brentwood, TN 37027</p> <p>woldae.com phone: 615.370.8500 fax: 615.370.8530</p>			
 <p>Smith Seckman Reid, Inc.</p> <p>2650 Thousand Oaks Boulevard, Suite 4200 Memphis, TN 38118 (901) 683-3900 FAX: (901) 683-3990 www.ssr-inc.com</p>			
SEALED BY			
			
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION			
<p>SHEET INDEX AND QUANTITIES 1A</p> <p>SHEET 2 OF 34</p>			

GENERAL ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	MAX.	MAXIMUM
A.F.S.	AT FINISHED SLAB	MED.	MECHANICAL
ADDL	ADDITIONAL	MED.	MEDICAL
ADJ.	ADJUSTABLE	MED. CAB.	MEDICAL CABINET
ADMIN.	ADMINISTRATION	MFR.	MANUFACTURER
ALUM.	ALUMINUM	MGMT.	MANAGEMENT
APPROX.	APPROXIMATE	MH	MANHOLE
ASST.	ASSISTANT	MIN.	MINIMUM
B.W.	BOTTOM OF THE WALL	MIR.	MIRROR
B/B	BALLED & BURLAPPED	MISC.	MISCELLANEOUS
BR.	BARE ROOT	MRS.	MIRROR WITH SHELF
BRKT.	BRACKET	MTD.	MOUNTED
BRKTS.	BRACKETS	MTL.	METAL
C.SNK.	COUNTERSUNK	N.I.C.	NOT IN CONTRACT
C.B.	CATCH BASIN	NOM.	NOMINAL
C.F.C.I.	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	O.C.	ON CENTER
C.J.	CONTROL JOINT	O.D.	OVERFLOW DRAIN
C.M.U.	CONCRETE MASONRY UNIT	O.F.C.I	OWNER FURNISHED / CONTRACTOR INSTALLED
CAB.	CABINET	O.F.O.I.	OWNER FURNISHED / OWNER INSTALLED
CLO.	CEILING	OPER.	OPERATIONS
CLO.	CLOSET	OPNG.	OPENING
CNTR.	COUNTER	OPP.	OPPOSITE
COL.	COLUMN	P.P.G.	POLISHED PLATE GLASS
COMP.	COMPUTER	P.R.V.	POWER ROOF VENTILATOR
CONC.	CONCRETE	P.T.	PRESSURE TREATED
CONF.	CONFERENCE	PART(N)S	PARTITION(S)
CONST.	CONSTRUCTION	PLAS.	PLASTER
CONT.	CONTINUOUS	PLAS. LAM.	PLASTIC LAMINATE
CORR.	CORRIDOR	PLYWD.	PLYWOOD
DIA.	DIAMETER	PREP.	PREPARATION
DIAG.	DIAGONAL	PREV.	PREVENTIVE
DIM.	DIMENSION	PROF.	PROFESSIONAL
DIR.	DIRECTOR	PTD	PAPER TOWEL DISPENSER
DISP.	DISPENSER	Q.T.	QUARRY TILE
DS	DOWNSPOUT	R.	RADIUS
DTL.	DETAIL	R.D.	ROOF DRAIN
DWGS.	DRAWINGS	R.O.	ROUGH OPENING
EA.	EACH	RECEPT.	RECEPT.
ELEC.	ELECTRICAL	RECOV.	RECOVERY
ELEV.	ELEVATION	REF.	REFRIGERATOR
ENCL.	ENCLOSURE	REF.	REFER, REFERENCE
EQUIP.	EQUIPMENT	REINF.	REINFORCING, REINFORCED
EXIST.	EXISTING	REQD	REQUIRED
EXP. JT.	EXPANSION JOINT	RM.	ROOM
EXT.	EXTERIOR	S.&R.	SHELF AND ROD
F.D.	FLOOR DRAIN	S.S.	STAINLESS STEEL
F.E.C.	FIRE EXTINGUISHER CABINET	SAH.	SANITARY
F.F.E.	FINISH FLOOR ELEVATION	SB	SPLASHBLOCK
FDS	FOLD DOWN SEAT	SCHED.	SCHEDULE
FH	FIRE HYDRANT	SD	SOAP DISH
FIN.	FINISH	SEC.	SECTION, SECRETARY
FL.	FLOOR	SGNL.	SIGNAL
FOB	FACE OF BRICK	SHLVG.	SHELVING
FTG.	FOOTING	SIM.	SIMILAR
FZR.	FREEZER	SIM.	SIMILAR
G.B.	GRAB BAR	SPEC.S.	SPECIFICATIONS
GA.	GAUGE	SS	SANITARY SEWER
GAL.	GALLON	STD.	STANDARD
GALV.	GALVANIZED	STL.	STEEL
GEN.	GENERAL	STO.	STORAGE
GYP.	GYPNUM	STRUCT.	STRUCTURAL
GYP. BD.	GYPNUM BOARD	SYS.	SYSTEM
H.B.	HOSE BIBB	T./TOILT./T.	TOILET
H.M.	HOLLOW METAL	T.O.S.	TOP OF STEEL
HCM	HANDICAPPED MIRROR	T.O.W.	TOP OF WALL
HD.	HEAD	TB	TOWEL BAR
HRDBD	HARDBOARD	TBL.	TABLE
I.D.	INSIDE DIAMETER	TECH.	TECHNICIAN
INFO.	INFORMATION	TEL.	TELEPHONE
INSUL.	INSULATION	THK.	THICK
INT.	INTERIOR	THKNS.	THICKNESS
INV.	INVERT	TPH	TOILET PAPER HOLDER
JT.	JOINT	TRAIN.	TRAINING
KIT.	KITCHEN	TRANS.	TRANSFORMER
LAB.	LABORATORY	TREAT.	TREATMENT
LAV.	LAVATORY	TYP.	TYPICAL
LKR.	LOCKER	U.N.O.	UNLESS NOTED OTHERWISE
M.O.	MASONRY OPENING	UNEXP.	UNEXPOSED
MACH.	MACHINE	VEST.	VESTIBULE
MAINT.	MAINTENANCE	W.H.F.E.	WALL HUNG FIRE EXTINGUISHER
MATL	MATERIAL		WITH
		WC/W.C.	WATER CLOSET
		WD.	WOOD
		WP.	WATERPROOF(ING)

GENERAL PROJECT NOTES

- DIAGRAMMATIC DRAWINGS: THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE DRAWINGS REPRESENT THE INTENT OF THE PROJECT WORK.
- VERIFY CONDITIONS: INVESTIGATE THE SITE AND VERIFY EXISTING CONDITIONS (BOTH EXPOSED AND CONCEALED) PRIOR TO PRICING THE JOB.
- DO NOT SCALE DRAWINGS.
- COORDINATE NEW ITEMS: EXACT LOCATIONS OF ALL EQUIPMENT, DEVICES / OUTLETS, FIXTURES, CASEWORK, MOUNTS, AND ROUTING OF UTILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER.
- UTILITIES: UTILITIES AND SYSTEMS IN AREAS OUTSIDE THE CONSTRUCTION LIMITS SHALL REMAIN (U.N.O.).
- PROTECT / RESTORE: PROTECT EXISTING ITEMS, EQUIPMENT, FINISHES, ETC., TO REMAIN. REPAIR / REPLACE / RESTORE CONDITIONS THAT ARE DAMAGED OR DISTURBED AS A RESULT OF DEMOLITION OR NEW WORK.
- COORDINATE TRADES: GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN TRADES, MECHANICAL DUCTWORK & EQUIPMENT SHALL HAVE PRIORITY OVER OTHER DISCIPLINES (FOR INSTALLATION & ROUTING). COORDINATE UTILITIES, SO THEY ARE INSTALLED IN AN ORDERLY AND UNIFORM MANNER.
- SHUTDOWNS / DOWNTIME: CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE DOWNTIME ASSOCIATED WITH SCHEDULED SHUTDOWNS. COORDINATE WITH OWNER.
- MAINTAIN RATINGS: MAINTAIN FIRE / SMOKE RATINGS OF EXISTING PARTITIONS AND BARRIERS.
- SUPPORT / BLOCKING: PROVIDE SUPPORT FOR NEW WORK. IF HANGERS, BACKERS, OR OTHER SUPPORTS ARE NOT DETAILED, NOTED, OR SPECIFIED, CONTRACTOR SHALL SUBMIT A WABLE SUPPORT DETAIL TO THE ARCHITECT FOR APPROVAL. ALL BLOCKING SHALL BE METAL (U.N.O.) ALL WOOD BLOCKING, WHERE SPECIFIED, SHALL BE FIRE RETARDANT (U.N.O.)
- CODES: COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- SEISMIC: NON-STRUCTURAL COMPONENTS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO ASCE/SEI 7. PROVIDE ENGINEERED SUPPORTS PER SEISMIC CLASSIFICATION AND ASCE/SEI 7 REQUIREMENTS.
- CONTRACTOR SHALL NOT DISRUPT OR LIMIT THE FACILITY'S LIFE SAFETY PLAN AND SYSTEM.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE CONSTRUCTION PERMITS.

NON-STRUCTURAL SEISMIC NOTES

- COMPONENTS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO ASCE/SEI 7.
- THE TERM "WITHSTAND" MEANS "THE SYSTEM WILL REMAIN IN PLACE WITHOUT SEPARATION OF ANY PARTS WHEN SUBJECTED TO THE SEISMIC FORCES SPECIFIED AND THE SYSTEM WILL BE FULLY OPERATIONAL AFTER THE SEISMIC EVENT."
- ASSIGNED SEISMIC USE GROUP OR BUILDING DESIGN CATEGORY AS DEFINED IN THE IBC:
COMPONENTS WITH AN IMPORTANCE FACTOR OF 1.5:
 - FUEL OIL PIPING AND EQUIPMENT.
 - NATURAL GAS PIPING.
 - FIRE SPRINKLERS AND EQUIPMENT.
 - MEDICAL GAS PIPING AND EQUIPMENT.
 - DUCTWORK CARRYING RADIOACTIVE AGENTS AND INFECTIOUS ISOLATION AIR.
 - GENERATOR ENGINE EXHAUST.
 - EMERGENCY POWER DISTRIBUTION SYSTEMS INCLUDING ASSOCIATED GENERATOR, TRANSFER SWITCHES, BUS DUCTS, SWITCHBOARDS, CONDUIT, AND TRANSFORMERS.
 - FIRE ALARM SYSTEM.
 - DOMESTIC HOT WATER SYSTEM.
 - HEATING HOT WATER SYSTEM.
 - STEAM SYSTEM.
 - SANITARY SEWER SERVING CRITICAL CARE AREAS.
 - STORM SEWER SERVING CRITICAL CARE AREAS.**COMPONENTS WITH AN IMPORTANCE FACTOR OF 1.0:**
 - ALL OTHER NON-STRUCTURAL COMPONENTS WITHIN THE HVAC, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS ARE ASSIGNED AN IMPORTANCE FACTOR OF 1.0 AND ARE ELIGIBLE FOR THE LATERAL BRACING EXEMPTIONS LISTED IN ASCE 7 SECTION 9.6. THE EXEMPTIONS APPLY TO SPECIFIC SMALLER SIZES OF PIPING AND DUCTWORK AND LESS HEAVY EQUIPMENT. NON-EXEMPT PORTIONS OF THESE SYSTEMS SHALL STILL BE Laterally BRACED. SYSTEMS WITH AN IMPORTANCE FACTOR OF 1.0 ARE CONSIDERED BY THE CODE TO BE NOT CRITICAL FOR THE CONTINUED OPERATION OF THE FACILITY.

SYMBOL LEGEND

	EARTH		SECTION INDICATOR
	CONCRETE		ENLARGED PLAN NUMBER
	CONC. MASONRY UNITS		CALLOUT
	GYPNUM BOARD		ELEVATION TAG
	FINISH WOOD		WINDOW TAG
	BATT INSULATION		DOOR TAG
	STEEL SECTION		HANDICAP ACCESSIBLE
	GRAVEL FILL		EQUIPMENT TAG
	EIFS INSULATION BOARD		

PROJECT: TDOT HENDERSON COUNTY MTC. BUILDING
PROJECT # 39999-3609-04 PIN NO: 131121.0

LOCATION: 370 ROCK MILAM ROAD, CEDAR GROVE TN, 38321

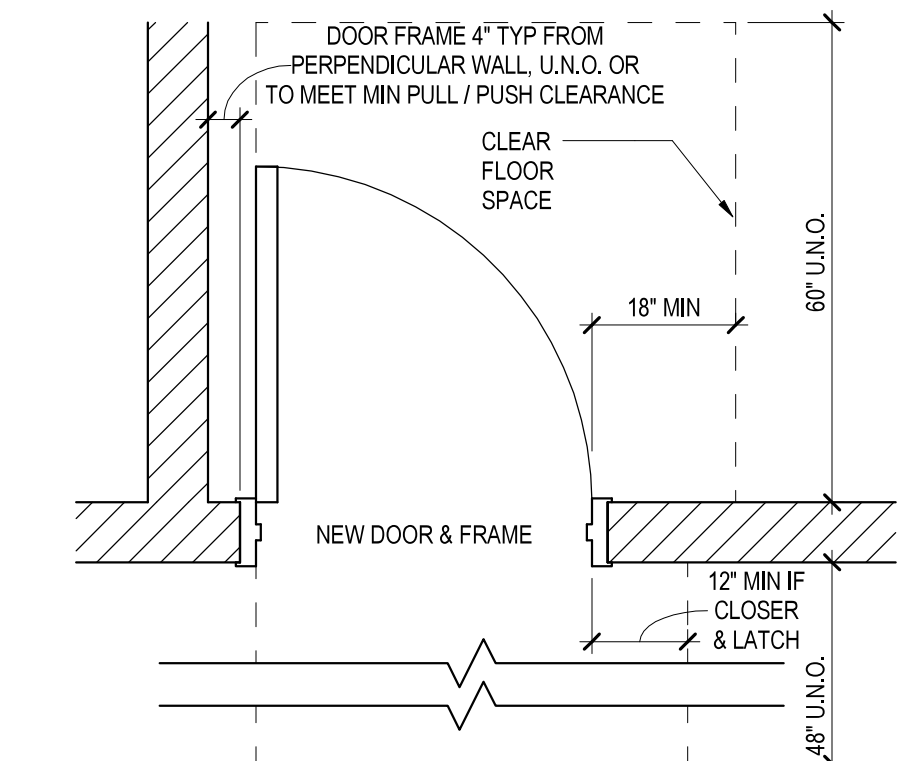
DESCRIPTION: NEW FULLY INSULATED, PRE-FAB METAL MAINTENANCE BUILDING WITH OFFICES, BREAK ROOM, RESTROOMS AND MEZZANINE

- A. APPLICABLE STATUTES:**
STATE OF TENNESSEE
2012 INTERNATIONAL BUILDING CODE (IBC)
2012 LSC - NFPA - 101 LIFE SAFETY CODE
2012 INTERNATIONAL FIRE CODE (IFC)
2012 INTERNATIONAL PLUMBING CODE (IPC)
2012 INTERNATIONAL MECHANICAL CODE (IMC)
2006 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - (FOR S-1 OCCUPANCY)
2012 NATIONAL ELECTRIC CODE (NEC)
2012 INTERNATIONAL FUEL GAS CODE
2010 ADA AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
- B. AUTHORITIES HAVING JURISDICTION (AHJ):**
STATE OF TENNESSEE - DEPARTMENT OF COMMERCE AND INSURANCE
DIVISION OF FIRE PREVENTION - ADMINISTRATIVE SERVICES SECTION
500 JAMES ROBERTSON PARKWAY
NASHVILLE, TENNESSEE 37243-0577
615.741.2981
- C. OCCUPANCY: NON-SEPARATED MIXED OCCUPANCY**
IBC 2012: STORAGE OCCUPANCY, MODERATELY HAZARD S-1 BUSINESS B
NFPA 2012: STORAGE OCCUPANCY, ORDINARY HAZARD
IBC SECTION 311
IBC SECTION 508.3
NFPA CH. 42
- D. CONSTRUCTION TYPE:**
IBC 2012: TYPE VB - NON SPRINKLERED
NFPA 2012: TYPE V (000) - NON SPRINKLERED
IBC TABLE 601
NFPA CH. 42
- E. BUILDING HEIGHT & AREA:**
ALLOWED HEIGHT: 1 STORY
ALLOWED AREA: 9,000 S.F.
EXISTING AREA: N/A
PROPOSED AREA: 3,260 S.F.
EXISTING HEIGHT: N/A
PROPOSED HEIGHT: 1 STORY (W/ MEZZANINE)
- F. OCCUPANT LOAD:**

AREA DESCRIPTION	LOAD FACTOR	TOTAL AREA	OCCUPANTS
MEZZANINE STORAGE	300 GSF / OCCUPANT	917 GSF	3
OFFICE AREAS	100 GSF / OCCUPANT	917 GSF	10
PARKING GARAGES	200 GSF / OCCUPANT	2,125 GSF	11
(MOST RESTRICTIVE)			24 TOTAL
BUSINESS	100 GSF / OCCUPANT	3,958 GSF	40 TOTAL

IBC SECTION 1008.1.2
- G. EXIT REQUIREMENTS:**
EGRESS WIDTH: 0.2 PER OCCUPANT
MAX EGRESS: 1.6" DISTANCE: 150' MAX. TRAVEL TO EXIT
EXTERIOR DOOR SWING: OCCUPANCY < 50; DOORS PERMISSIBLE TO SWING IN
- H. FIRE PROTECTION REQUIREMENTS (IBC TABLE 601 & NFPA A.8.2.1.2):**
STRUCTURAL FRAME: 0 HR
BEARING WALLS (EXTERIOR): 0 HR
BEARING WALLS (INTERIOR): 0 HR
NON-BEARING WALLS & PARTITIONS (EXTERIOR): 0 HR
NON-BEARING WALLS & PARTITIONS (INTERIOR): 0 HR
FLOOR CONSTRUCTION: 0 HR
ROOF CONSTRUCTION: 0 HR
- I. HANDICAPPED ACCESSIBILITY REQUIREMENTS:**
ACCESSIBILITY: ALL PUBLIC AREAS - ADAAG, ANSI
PARKING: 2% OF PARKING SPACES OR 1/25 > OR 2/26-50
PROPOSED: NO CHANGE (N/A)
- J. BUILDING LOCATION CLIMATE ZONE:**
IECC CLIMATE ZONE 3
- K. MEZZANINE:**
IBC 505.2.3 EXCEPTION 1 - CURRENT OCCUPANT LOAD FOR MEZZANINE IS 3
MEZZANINES OR PORTIONS THEREOF ARE NOT REQUIRED TO BE OPEN TO THE ROOM IN WHICH THE MEZZANINES ARE LOCATED, PROVIDED THAT THE OCCUPANT LOAD OF THE AGGREGATE AREA OF THE ENCLOSED SPACE IS NOT GREATER THAN 10

THESE PLANS AND SPECIFICATIONS ARE PRELIMINARY AND ARE NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES OR MODIFICATIONS TO THESE PLANS OR SPECIFICATIONS MUST BE APPROVED BY THE ARCHITECT. THE ARCHITECT'S OFFICE IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE PLANS OR SPECIFICATIONS. THE ARCHITECT'S OFFICE IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE PLANS OR SPECIFICATIONS. THE ARCHITECT'S OFFICE IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE PLANS OR SPECIFICATIONS.

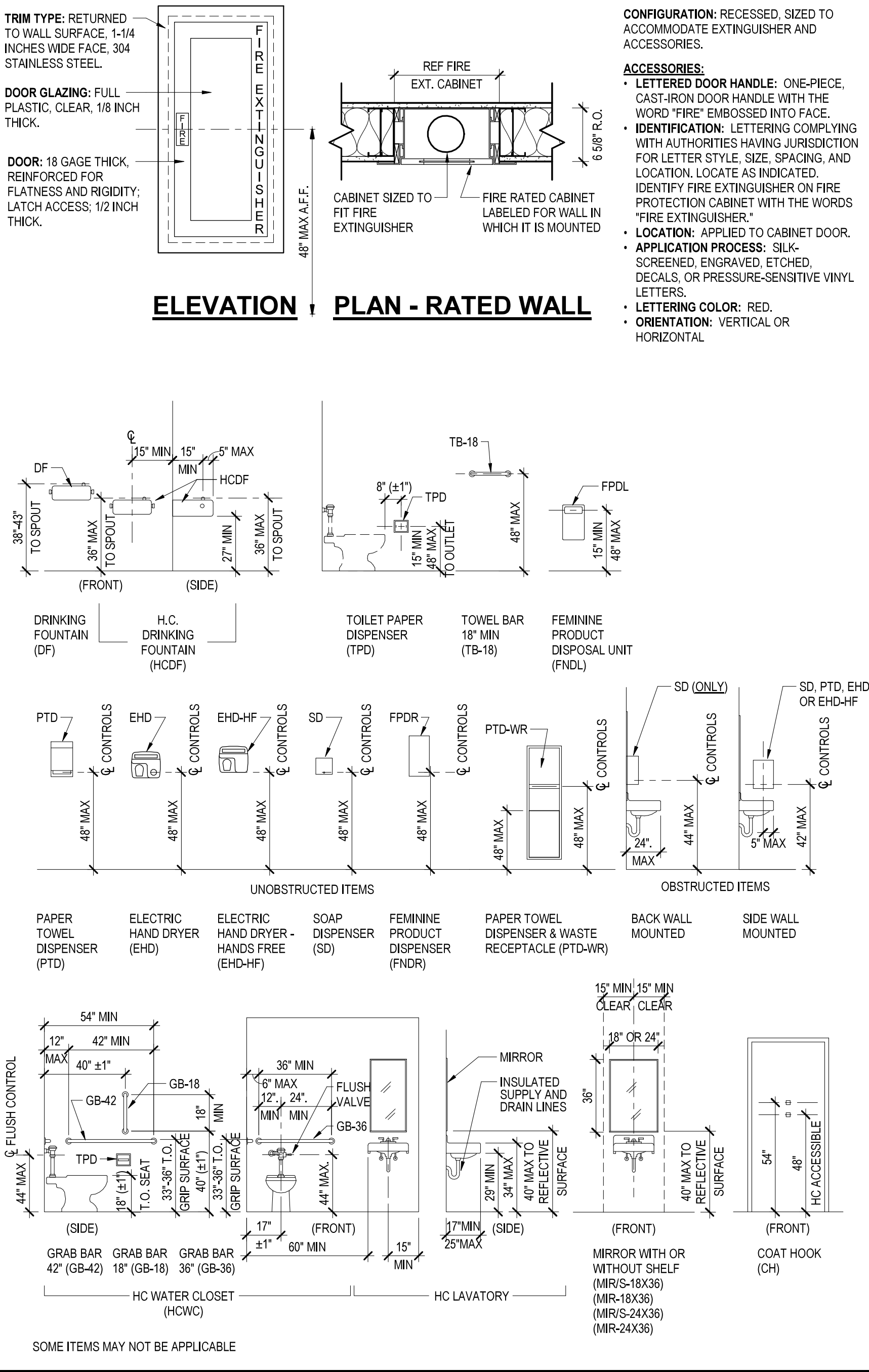


- GENERAL NOTES:**
1. THIS IS DIAGRAMMATIC IN NATURE AND SHOWS GENERIC CONDITIONS. SEE FLOOR PLANS FOR ACTUAL CONDITIONS.
2. MAINTAIN NOTED CLEARANCES AT ALL DOORS, U.N.O.
3. NEW DOOR PANELS SHOWN AT 90 DEGREE ANGLE AND DARK.
4. EXISTING DOOR PANELS SHOWN AT 45 DEGREE ANGLE AND SCREENED BACK.
5. EXISTING DOOR FRAMES SHOWN SCREENED BACK. NEW DOOR FRAMES SHOWN DARK.

DOOR CLEAR FLOOR SPACE



DOOR HARDWARE PLACEMENT



PROJECT NO.	39999-3609-04
PIN NO.	131121.00
REVISIONS	
DESCRIPTION	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING
370 ROCK MILAM ROAD,
CEDAR GROVE TN, 38321

Wold HFR DESIGN
214 Centerville Drive Suite 300
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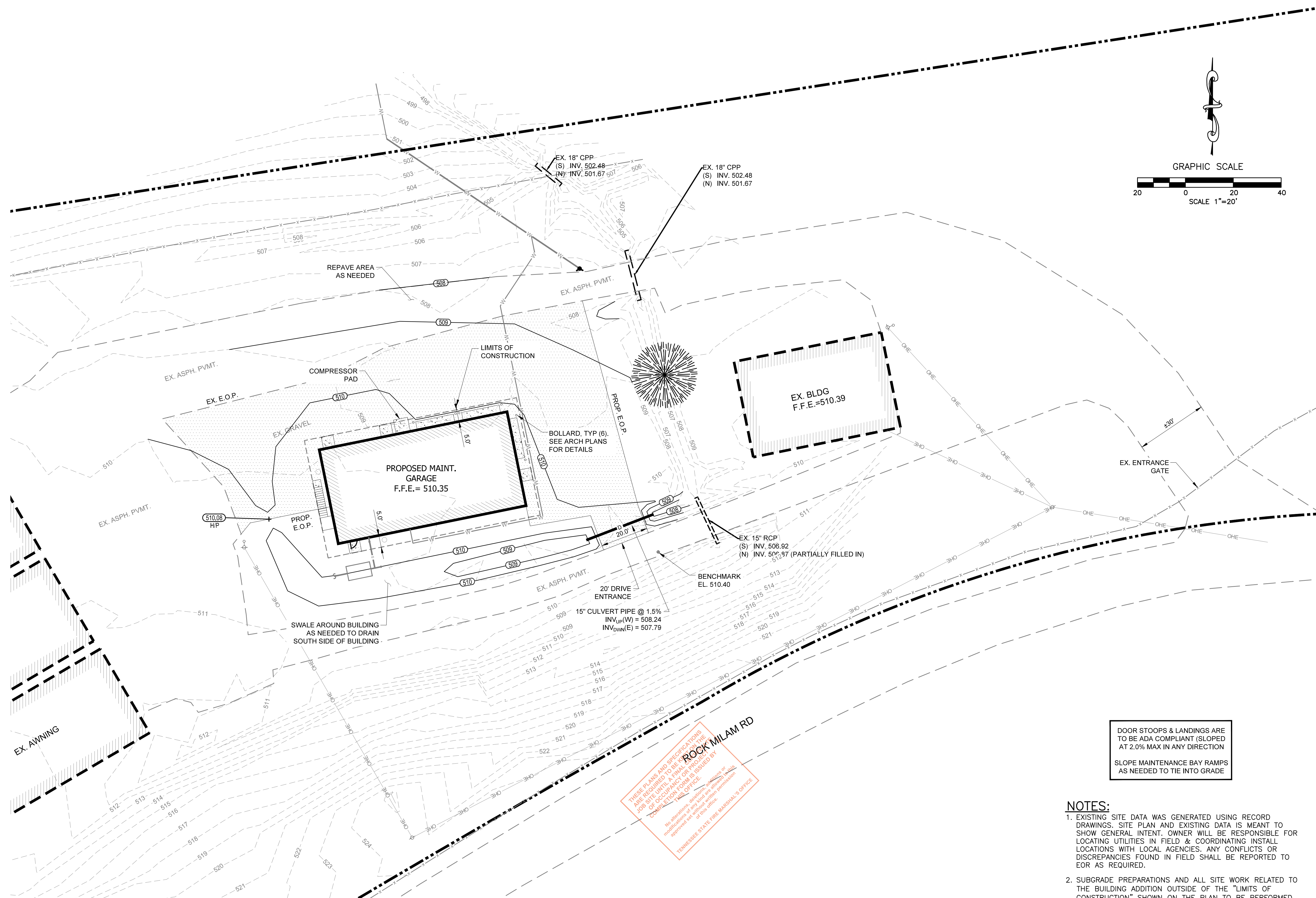


STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GENERAL DATA

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

UTILITY NOTE: LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION LIMITS. CALL 1-800-351-1111 FOR UTILITY LOCATIONS. CONTACT LOCAL UTILITY DISTRICT.



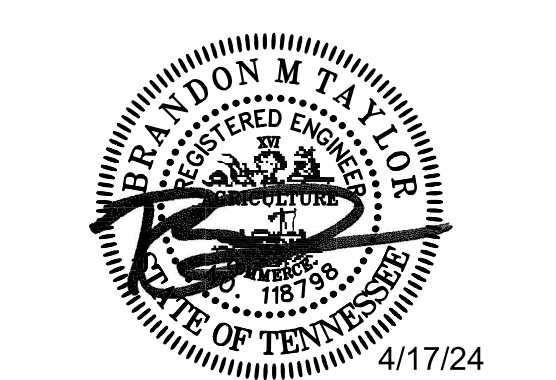
PROJECT NO.		39999-3609-04	
PIN NO.		131121.0	
<div> <div>REVISIONS</div> <div>DESCRIPTION</div> </div>	BY	DATE	

TDOT HENDERSON COUNTY
MAINTENANCE BUILDING

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321
DATE
AUGUST 18, 2023
PHASE
CONSTRUCTION



SEALD BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

SITE PLAN

C1.0

SHEET 4 OF 34

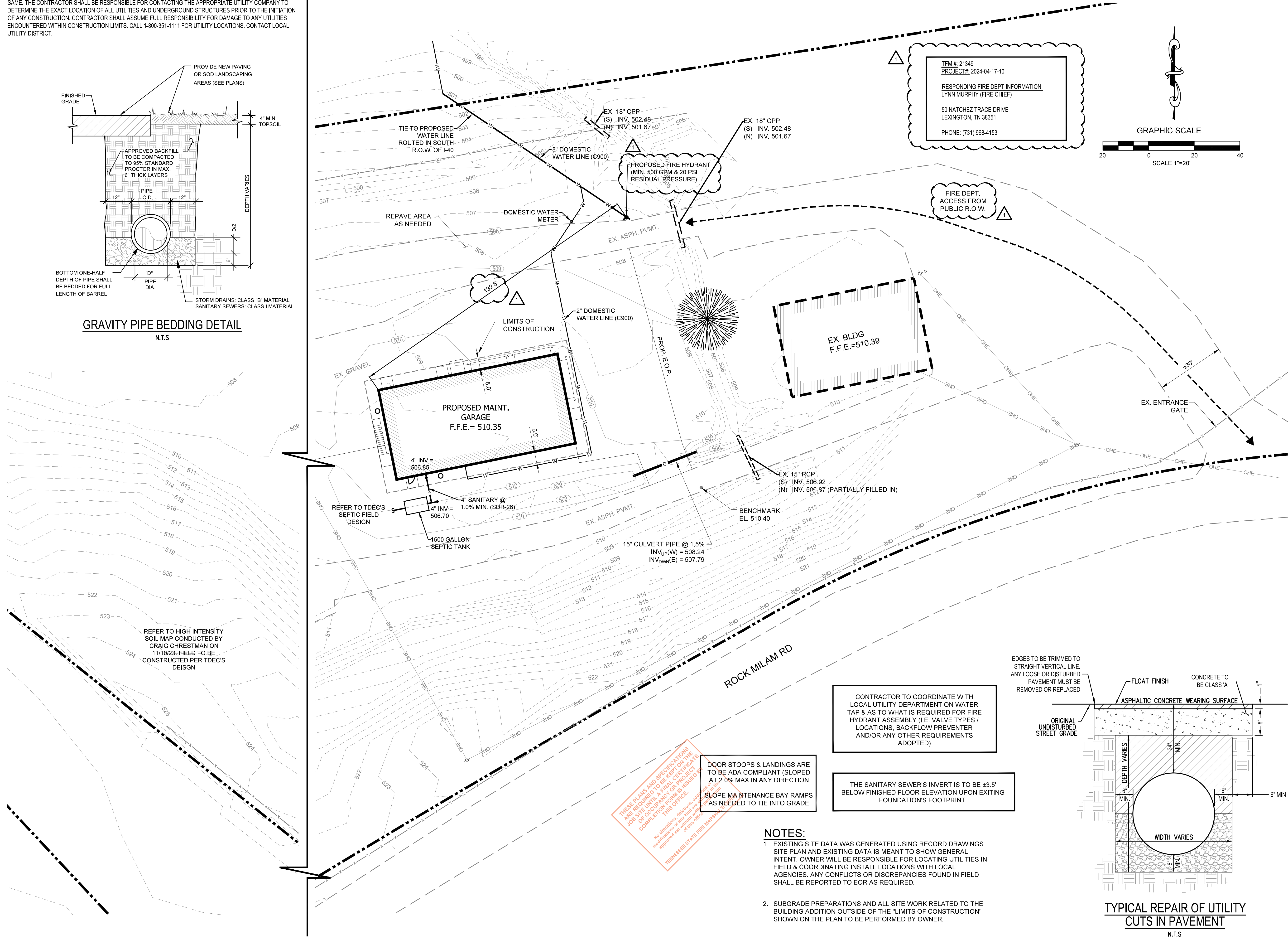
NOTES:

1. EXISTING SITE DATA WAS GENERATED USING RECORD DRAWINGS. SITE PLAN AND EXISTING DATA IS MEANT TO SHOW GENERAL INTENT. OWNER WILL BE RESPONSIBLE FOR LOCATING UTILITIES IN FIELD & COORDINATING INSTALL LOCATIONS WITH LOCAL AGENCIES. ANY CONFLICTS OR DISCREPANCIES FOUND IN FIELD SHALL BE REPORTED TO EOR AS REQUIRED.
2. SUBGRADE PREPARATIONS AND ALL SITE WORK RELATED TO THE BUILDING ADDITION OUTSIDE OF THE "LIMITS OF CONSTRUCTION" SHOWN ON THE PLAN TO BE PERFORMED BY OWNER.

A cross-sectional diagram of a storm drain installation. The diagram shows a central pipe with a circular opening. The pipe is surrounded by a layer of bedding material, indicated by a cross-hatch pattern. Above the pipe, there is a layer of backfill material, indicated by a diagonal hatch pattern. The top of the backfill is labeled "FINISHED GRADE". To the right of the backfill, there is a layer of sod landscaping, indicated by a grass pattern. The top of the sod is labeled "4\" MIN. TOPSOIL". The bottom of the pipe is labeled "BOTTOM ONE-HALF DEPTH OF PIPE SHALL BE BEDDED FOR FULL LENGTH OF BARREL". The pipe is labeled "PIPE O.D." and "D\" PIPE DIA.". The storm drain is labeled "STORM DRAINS: CLASS \"B\" MATERIAL SANITARY SEWERS: CLASS I MATERIAL". The depth of the installation is labeled "DEPTH VARIES".

FINISHED GRADE
 4" MIN. TOPSOIL
 DEPTH VARIES
 APPROVED BACKFILL TO BE COMPACTED TO 95% STANDARD PROCTOR IN MAX. 6" THICK LAYERS
 PIPE O.D.
 12"
 12"
 D/2
 D" PIPE DIA.
 BOTTOM ONE-HALF DEPTH OF PIPE SHALL BE BEDDED FOR FULL LENGTH OF BARREL
 STORM DRAINS: CLASS "B" MATERIAL
 SANITARY SEWERS: CLASS I MATERIAL

N.T.S



1. EXISTING SITE DATA WAS GENERATED USING RECORD DRAWINGS. SITE PLAN AND EXISTING DATA IS MEANT TO SHOW GENERAL INTENT. OWNER WILL BE RESPONSIBLE FOR LOCATING UTILITIES IN FIELD & COORDINATING INSTALL LOCATIONS WITH LOCAL AGENCIES. ANY CONFLICTS OR DISCREPANCIES FOUND IN FIELD SHALL BE REPORTED TO EOR AS REQUIRED.

2. SUBGRADE PREPARATIONS AND ALL SITE WORK RELATED TO THE BUILDING ADDITION OUTSIDE OF THE "LIMITS OF CONSTRUCTION" SHOWN ON THE PLAN TO BE PERFORMED BY OWNER.

TYPICAL REPAIR OF UTILITY CUTS IN PAVEMENT


N.T.S

PROJECT NO.		39999-3609-04	
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	Δ SFM COMMENTS		8/7/24

TDOT HENDERSON COUNTY MAINTENANCE BUILDING

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321


PHASE DATE
CONSTRUCTION AUGUST 18, 2023



**HFR
DESIGN**

214 Centerview Drive Suite 300
Brentwood, TN 37027

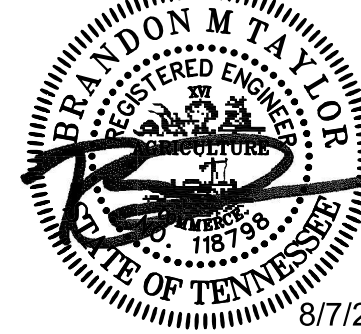
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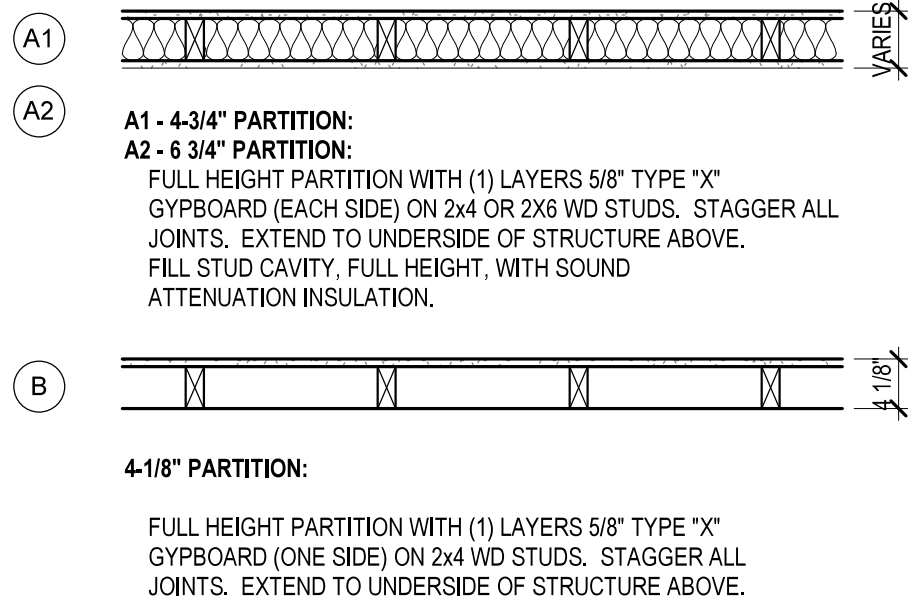
8/7/24

STATE OF TENNESSEE
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TRANSPORTATION

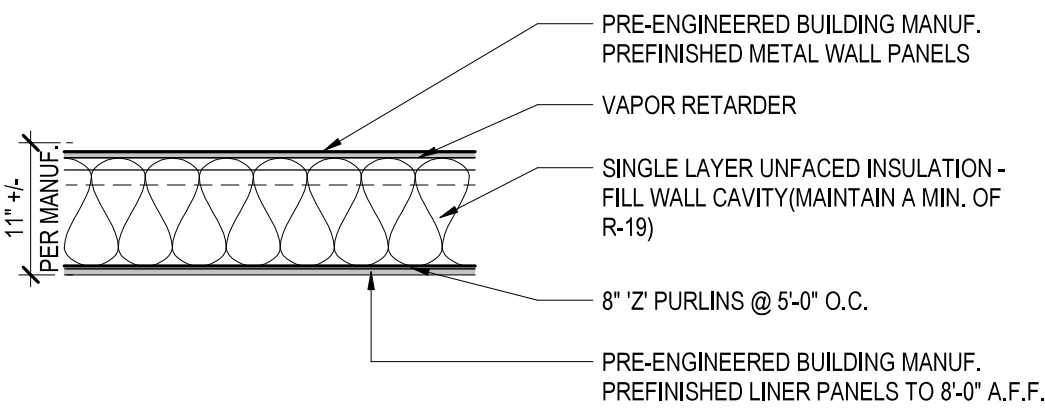
UTILITY PLAN C2.0

SHEET 5 OF 34

INTERIOR WALL TYPES



EXTERIOR WALL TYPES



KEYNOTE SCHEDULE

- # DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.
- 03.01 CONCRETE SLAB-ON-GRADE OVER VAPOR BARRIER OVER COMPACTED SUBGRADE. SLOPE TO DRAIN; REF STRUCTURAL
03.02 SLOPE CONCRETE TO DRAIN TOWARDS EXTERIOR; EXTEND SLOPE INTO BUILDING TO PREVENT PONDING AND INFILTRATION AT INTERIOR OF DOORS.
03.03 4'-0" D CONCRETE APRON; REF CIVIL
03.04 5'-0" x 5'-0" CONCRETE STOOP; REF CIVIL
03.09 CUT SLAB TO SLOP TOWARDS OUTSIDE
08.12 PREFINISHED METAL OVERHEAD SECTIONAL DOOR W/ MOTOR OPERATOR
08.15 PREFINISHED METAL OVERHEAD COILING DOOR W/ MOTOR OPERATOR
10.90 PRE-ENGINEERED CANOPY, WITH FINISH TO MATCH WINDOWS. SUSPEND CANOPY BACK TO FRAMING AND SECURE. CANOPY BY METAL BUILDING MANUFACTURER, REF. SPECS
32.01 4" DIAMETER CONC. FILLED STEEL BOLLARDS, TYP.

GEN. ARCHITECTURAL NOTES

- VERIFY ALL DIMENSIONS/WORK TO BE DONE BASED ON EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
- ALL PARTITIONS ARE TO BE CONTINUOUS TO THE STRUCTURE ABOVE, (U.N.O.).
- INSTALL SOUND ATTENUATION BATT INSULATION IN ALL INTERIOR PARTITIONS, (U.N.O.).
- RATED WALLS: INSURE WALLS INDICATED AS RATED FIRE AND / OR SMOKE BARRIERS ARE CONTINUOUS CONSTRUCTION (THRU CORNERS AND TO THE DECK ABOVE) AND PENETRATIONS ARE PROPERLY FIRE AND SMOKE SEALED.
- BLOCKING: PROVIDE IN ALL WALLS WHERE REQUIRED FOR HANDRAILS, WALL GUARDS, FOR SHELVEING, WALL CABINETS, WALL MOUNTED DOOR STOPS AND EQUIPMENT. CUT AND PATCH GYPSUM BOARD IN EXISTING WALLS FOR INSTALLATION OF NEW BLOCKING WHERE REQUIRED. PROVIDE BLOCKING IN ALL WALLS AT WATER CLOSET LOCATIONS FOR GRAB BAR INSTALLATION WHETHER GRAB BARS ARE INDICATED OR NOT.
- WHERE DOOR IS SHOWN IN CORNER OF ROOM, LOCATE OUTSIDE EDGE OF DOOR FRAME 4" FROM ADJACENT PERPENDICULAR WALL, (U.N.O.). ALLOW FOR PROTRUDING HARDWARE.
- FURR OUT AROUND COLUMNS, PIPES, UTILITIES, ETC., WITH THE MINIMUM DEPTH NECESSARY TO CONCEAL PIPES AND COLUMNS.
- SURFACE PREP: PREP SURFACES FOR NEW FINISHES ACCORDING TO SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
- STRUCTURAL SUPPORTS: PROVIDE STRUCTURAL SUPPORTS ABOVE CEILING WHERE REQUIRED FOR CEILING HUNG EQUIPMENT.
- FRAME & DOOR FIRE LABELS: CLEAN PAINT OFF ALL NEW AND EXISTING FIRE LABELS IN SCOPE OF WORK.
- RATINGS OF WALLS AT DOORWAYS AND VIEW WINDOWS ARE NOT SHOWN FOR DRAWING GRAPHICS CLARITY. RATINGS ARE TO CONTINUE THROUGH WALL CONTAINING DOORWAY OR VIEW WINDOWS.
- COSMETIC FURR-OUTS AND WING WALLS MAY TERMINATE 8" ABOVE ADJACENT CEILING. CAP TOP OF WALLS SO FURR-OUT OR WIND WALL DOES NOT CREATE A BREACH IN ADJACENT WALLS THAT GO TO UNDERSIDE OF ROOF DECK. BRACE TOPS OF WALLS THAT DO NOT GO TO UNDERSIDE OF ROOF DECK ABOVE.

PROJECT NO.		39999-3609-04
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TDOT HENDERSON
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BUILDING

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CEDAR GROVE TN, 38321

PHASE
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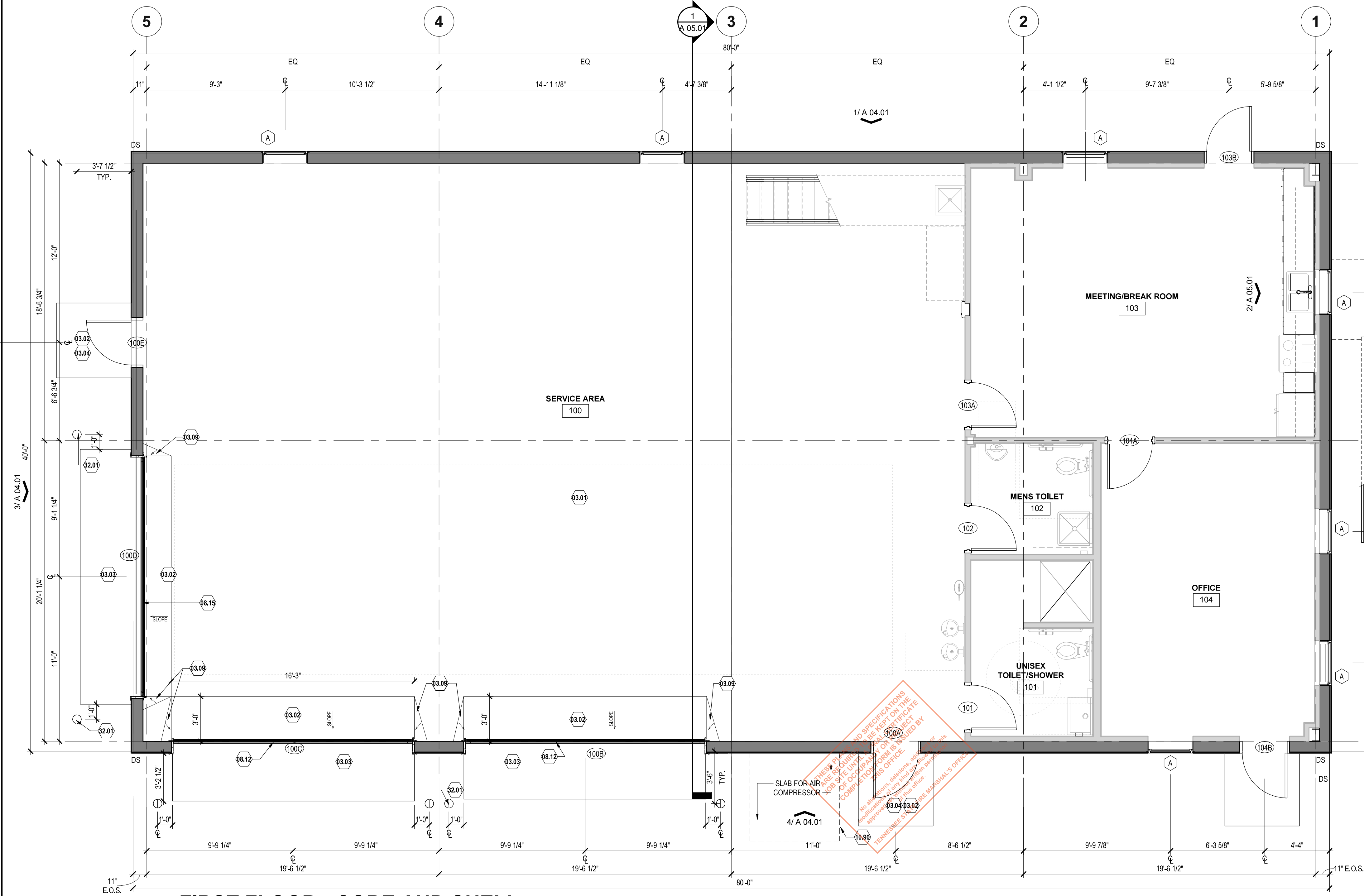


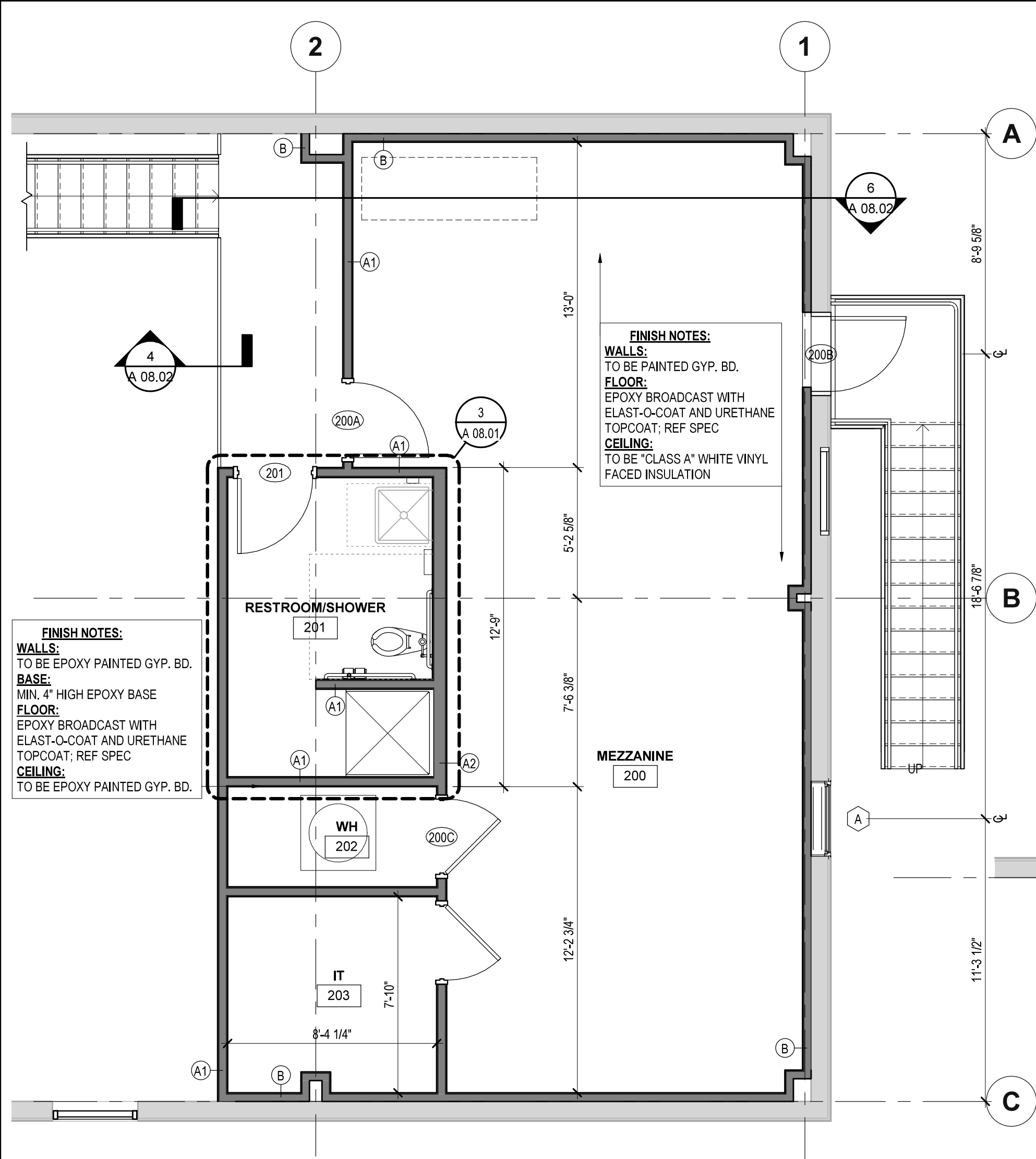
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

FIRST FLOOR -
CORE AND
SHELL
A 01.01

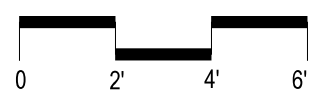
SHEET 6 OF 34

1 FIRST FLOOR - CORE AND SHELL

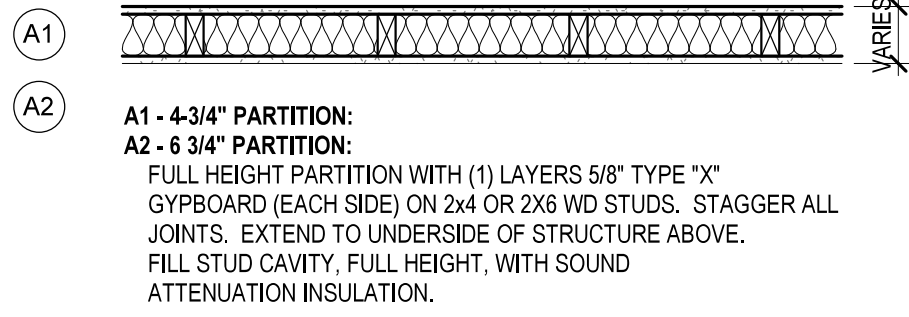




2 MEZZANINE PLAN

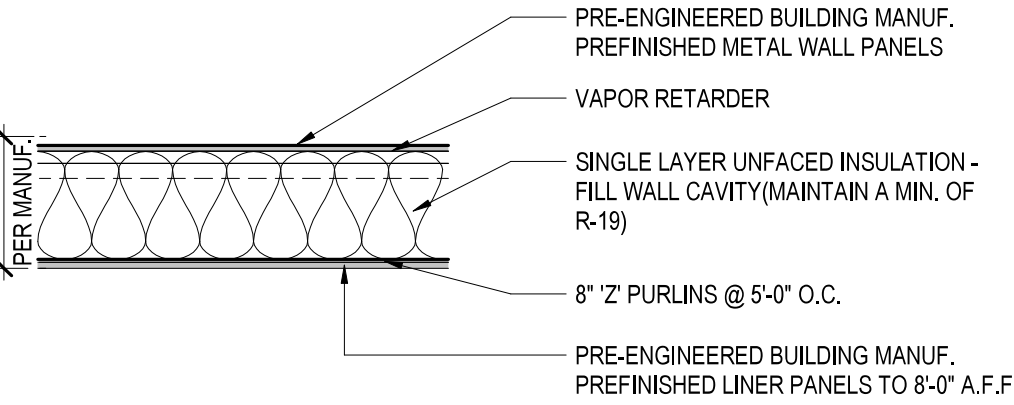


INTERIOR WALL TYPES



4-1/8\"/>

EXTERIOR WALL TYPES

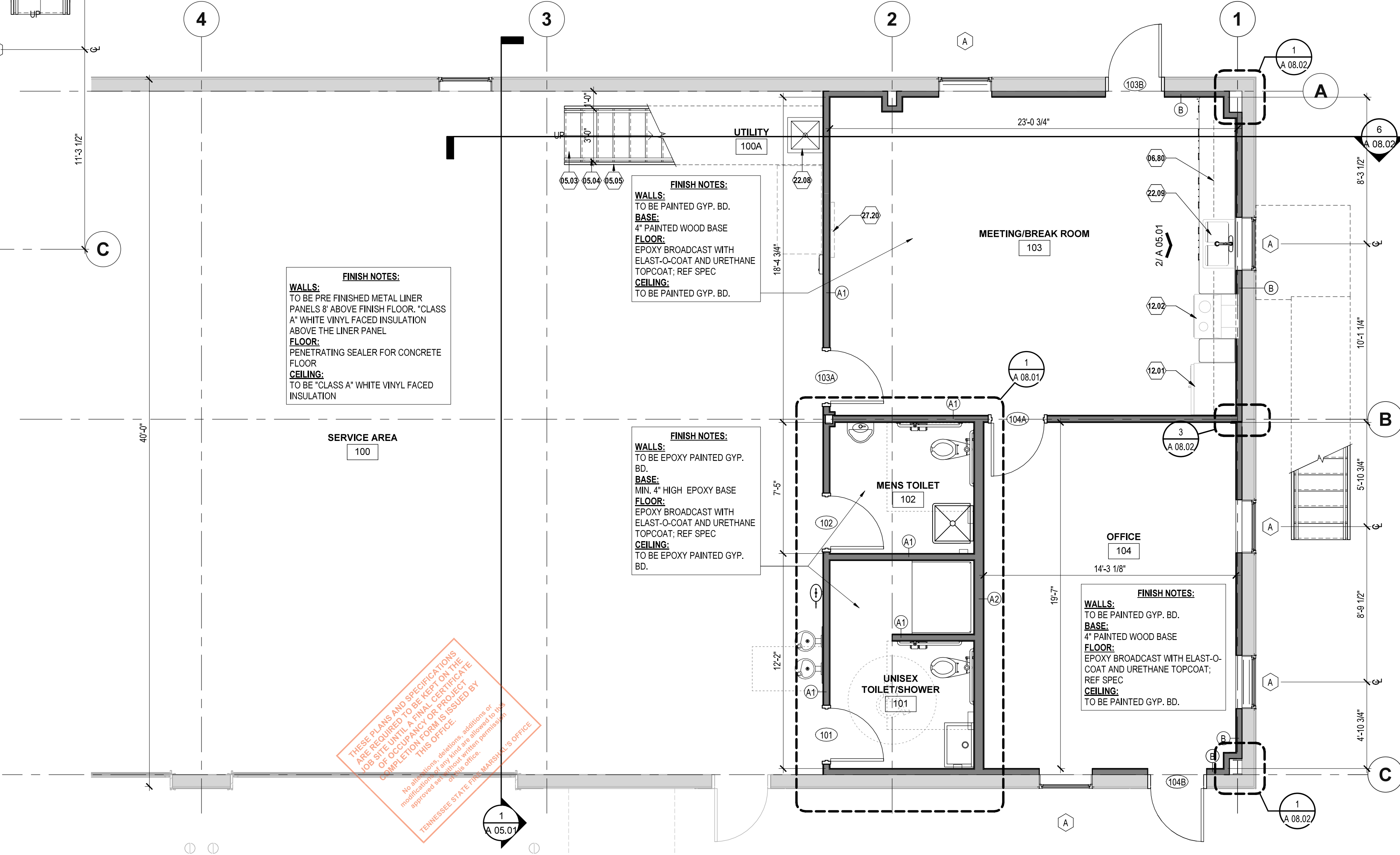


KEYNOTE SCHEDULE

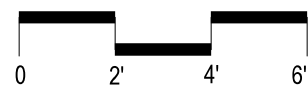
#	NOTES
05.03	MIN. 3'-0\"/>
05.04	PAINTED STEEL GUARD @ 42\"/>
05.05	PAINTED STEEL HANDRAILS @ 36\"/>
06.80	SOLID SURFACE COUNTERTOPS, COORDINATE SYLE AND FINISH WITH OWNER
12.01	REFRIGERATOR, O.F.C.I
12.02	ELECTRIC RANGE WITH RESIDENTAIL HOOD, O.F.C.I
22.08	MOP SINK
22.09	DOUBLE BOWL SINK
27.20	WALL MOUNTED TV, TV AND MOUNT OFCI. PROVIDE BLOCKING

GEN. ARCHITECTURAL NOTES

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2. ALL PARTITIONS ARE TO BE CONTINUOUS TO THE STRUCTURE ABOVE. (U.N.O.)
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6. WHERE DOOR IS SHOWN IN CORNER OF ROOM, LOCATE OUTSIDE EDGE OF DOOR FRAME 4\"/>
7. FURR OUT AROUND COLUMNS, PIPES, UTILITIES, ETC., WITH THE MINIMUM DEPTH NECESSARY TO CONCEAL PIPES AND COLUMNS.
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12. COSMETIC FURR-OUTS AND WING WALLS MAY TERMINATE 8\"/>



1 FIRST FLOOR PLAN



PROJECT NO.	39999-3609-04
PIN NO.	131121.00
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BY	

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DEPARTMENT OF
TRANSPORTATION

FIRST FLR. /
MEZZ.
BUILD-OUT
A 01.03
SHEET 7 OF 34

THESE PLANS AND SPECIFICATIONS
ARE REQUIRED TO BE LEFT ON THE
JOB SITE AT ALL TIMES. NO
ALTERATIONS, DELETIONS, ADDITIONS OR
MODIFICATIONS TO THESE PLANS
SHALL BE MADE WITHOUT THE WRITTEN
APPROVAL OF THE ARCHITECT.
COMPLETION OF THIS OFFICE IS ISSUED BY
THE ARCHITECT.
NO ALTERATIONS, DELETIONS, ADDITIONS OR
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TENNESSEE STATE THE ARCHITECT'S OFFICE

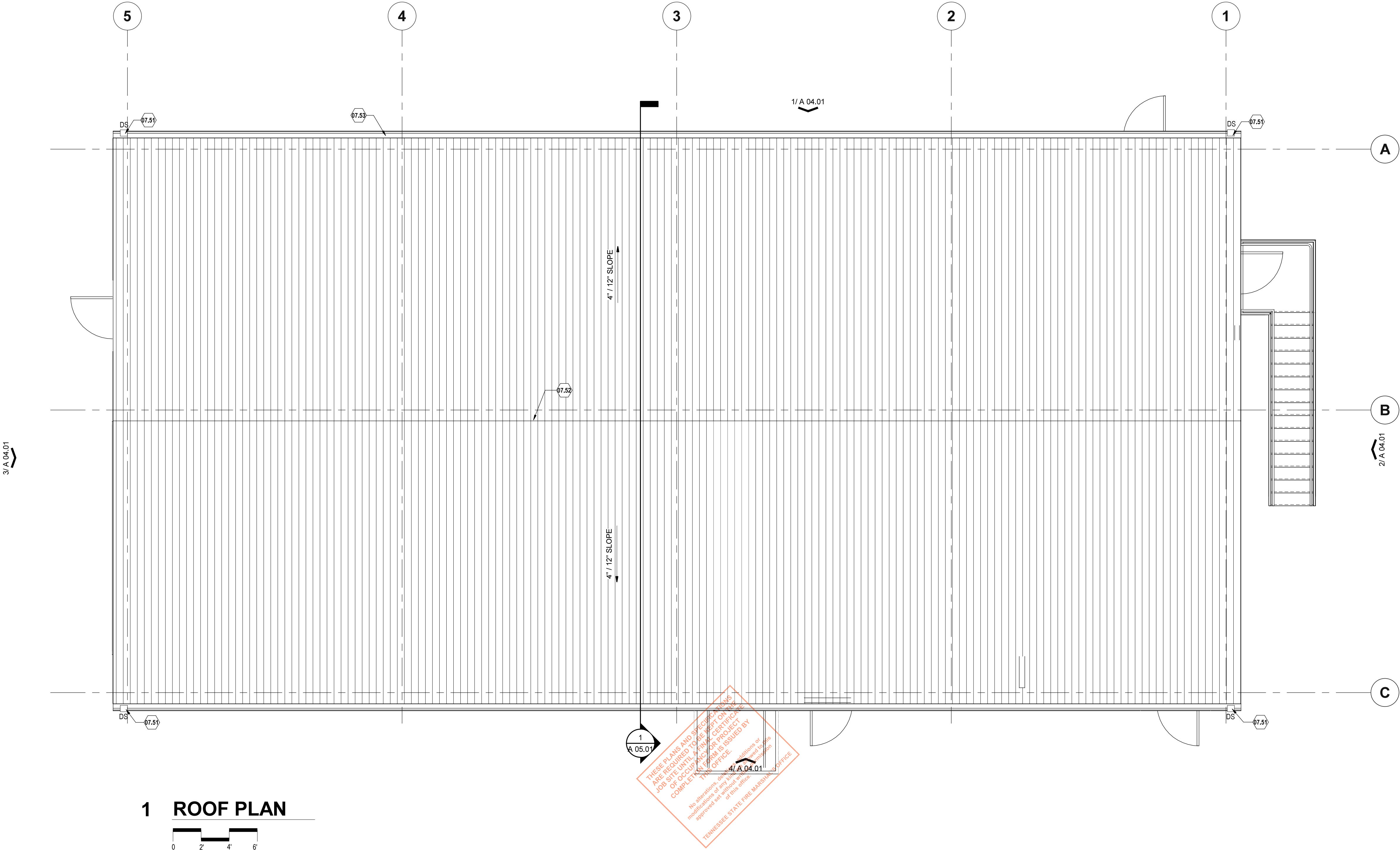
KEYNOTE SCHEDULE

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ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

- 07.51 PRE-ENGINEERED BUILDING MANUF. DOWNSPOUT (DS)
07.52 RIDGE VENT
07.53 PRE-ENGINEERED BUILDING MANUF. GUTTER

GENERAL ROOF NOTES

1. ROOF SLOPE SHALL BE 4" PER FOOT.
2. PROVIDE CRICKETS WHERE REQUIRED FOR PROPER DRAINAGE.
3. COORDINATE WITH MPE TO PROPERLY AND DIMENSIONALLY LOCATE ALL ROOFTOP EQUIPMENT, CURBS, VENTS, ETC.
4. PAINT ANY EXPOSED ROOF MOUNTED EQUIPMENT, PIPING, ETC. WITH EXTERIOR GRADE PAINT IN COLOR AS SELECTED BY ARCHITECT, EXCEPT ITEMS THAT ARE ALUMINUM OR STAINLESS STEEL.
5. INSULATE ROOF DRAIN LEADERS, VENT STACKS, AND OTHER PLUMBING PENETRATIONS A MINIMUM OF 5'-0" ON THE INTERIOR SIDE BEYOND THE LINE AT WHICH THE PIPE PENETRATES THE ROOF / BUILDING ENVELOPE.



1 ROOF PLAN

PROJECT NO.	39999-3609-04
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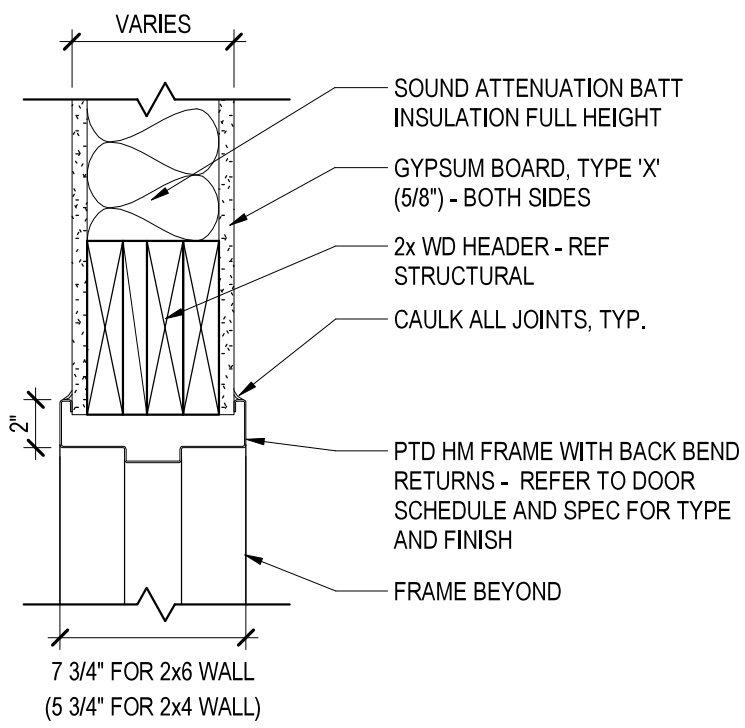


STATE OF TENNESSEE
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ROOF PLAN

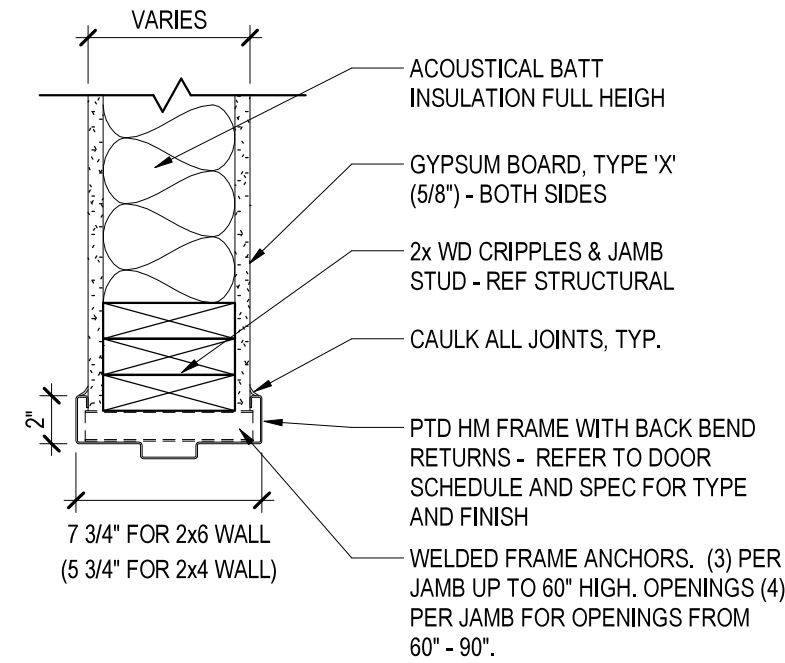
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SHEET 8 OF 34

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10



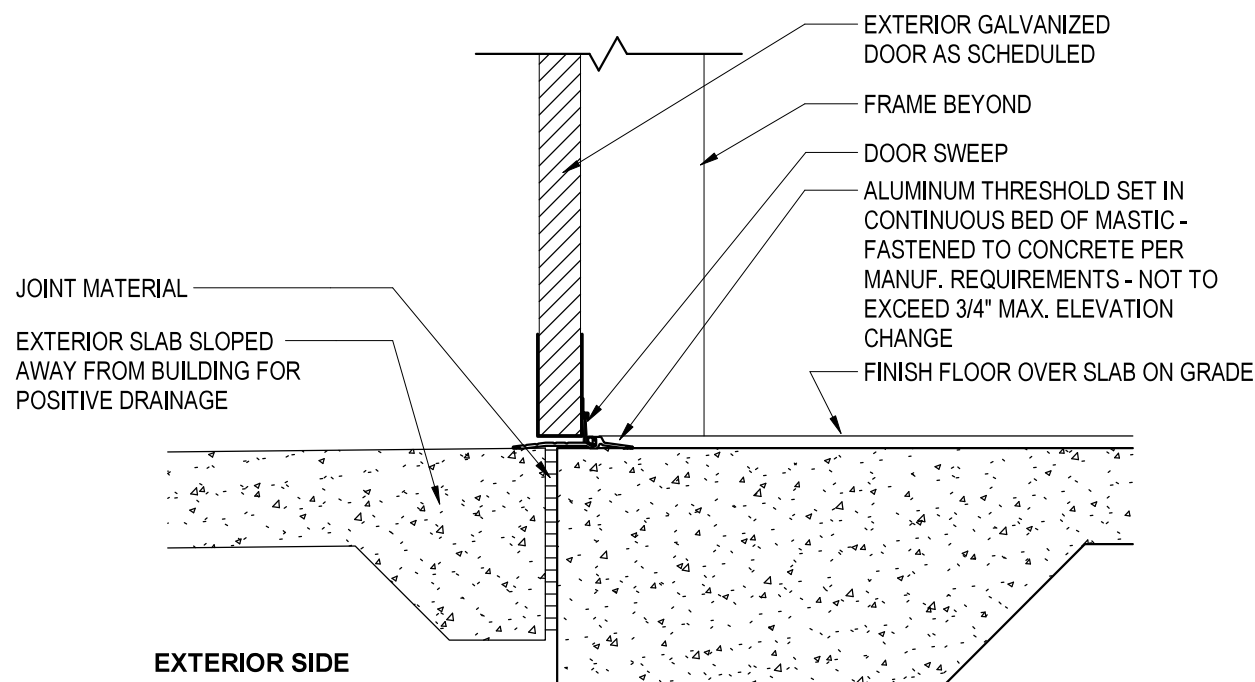
1A HEAD

NON RATED OPENING



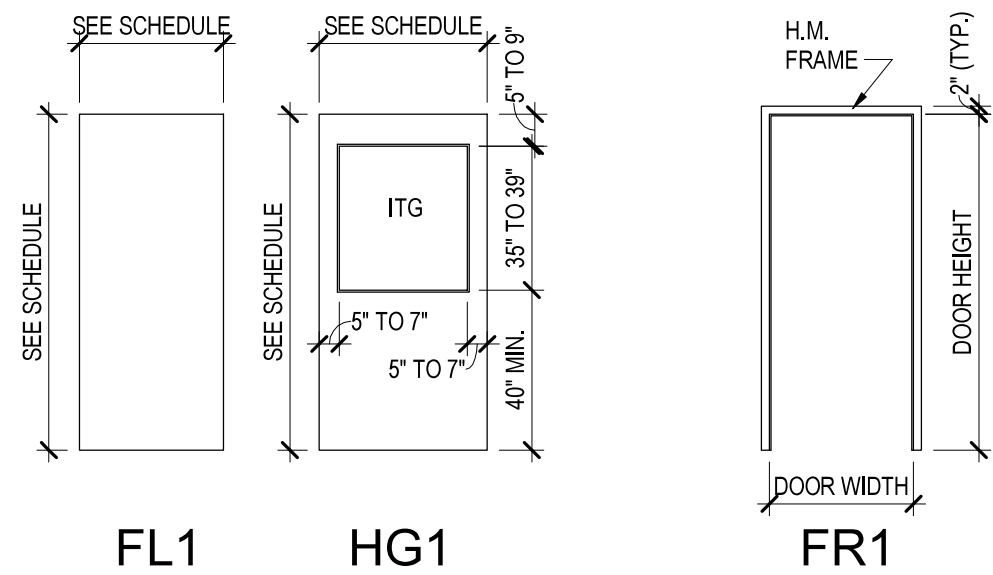
1B JAMB

NON RATED OPENING

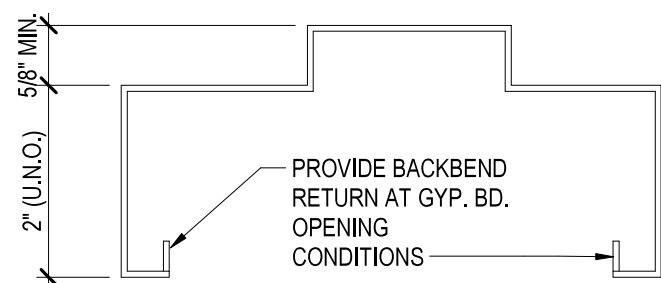


2 EXT. HM SILL - TYP.

HM EXTERIOR DOOR



DOOR AND FRAME TYPES



TYPICAL H.M. DOOR FRAME SECTION

NOT TO SCALE

DOOR SCHEDULE (BY NUMBER)

DOORS								FRAMES		DETAILS		REMARKS (Ref. Door keynotes)
NO.	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	RATING	GLAZING	TYPE	MATERIAL	HEAD	JAMB	
100A	HG1	3'-0"	7'-0"	1 3/4"	HM	EXTERIOR	ITG	FR1	HM	--	--	1,6
100B	OH1	16'-0"	14'-0"	1 1/2"	ICS	EXTERIOR	--	--	--	4/ A03.01	--	2,3
100C	OH1	16'-0"	14'-0"	1 1/2"	ICS	EXTERIOR	--	--	--	4/ A03.01	--	2,3
100D	OH1	16'-0"	14'-0"	1 1/2"	ICS	EXTERIOR	--	--	--	4/ A03.01	--	3,7
100E	HG1	3'-0"	7'-0"	1 3/4"	HM	EXTERIOR	ITG	FR1	HM	--	--	
101	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	FR1	HM	1A/ A03.01	1B/ A03.01	5
102	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	FR1	HM	1A/ A03.01	1B/ A03.01	5
103A	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	FR1	HM	1A/ A03.01	1B/ A03.01	4
103B	HG1	3'-0"	7'-0"	1 3/4"	HM	EXTERIOR	ITG	FR1	HM	--	--	
104A	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	FR1	HM	1A/ A03.01	1B/ A03.01	4
104B	HG1	3'-0"	7'-0"	1 3/4"	HM	EXTERIOR	ITG	--	--	--	--	1,6
200A	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	FR1	HM	1A/ A03.01	1B/ A03.01	4
200B	HG1	3'-0"	7'-0"	1 3/4"	HM	EXTERIOR	ITG	--	--	--	--	1,6
200C	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	--	--	--	--	
200D	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	--	--	--	--	
201	FL1	3'-0"	7'-0"	1 3/4"	HM	--	--	FR1	HM	1A/ A03.01	1B/ A03.01	5

DOOR GENERAL NOTES

GENERAL

- REFER TO DIVISION EIGHT (8) OF THE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- CONFLICTS / DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CLARIFIED WITH THE ARCHITECT IMMEDIATELY UPON DISCOVERY. IF NO CLARIFICATION IS REQUESTED, THE CONTRACTOR SHALL PROVIDE THE MOST STRINGENT LISTED REQUIREMENT.
- DOORS, FRAMES, AND HARDWARE SHALL MEET THE LABEL REQUIREMENTS OF THE OPENING IN WHICH IT RESIDES. REFER TO THE LIFE SAFETY PLAN FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL COORDINATE WHERE DOORS / FRAMES / HARDWARE REQUIRE CONDUITS OR WIRING INSTALLED DURING FRAME INSTALLATION FOR ELECTRICAL CONNECTIONS FOR LOCKS, STRIKES, ETC.
- ALL EXTERIOR DOOR DETAILS SHALL FOLLOW METAL BUILDING MANUFACTURERS INSTRUCTIONS

DOORS

- PROVIDE FINISHED DOOR VERTICAL AND TOP EDGES SAME AS DOOR FACE FINISH.
- ALL DOORS SHALL HAVE STANDARD 5/8" UNDERCUT U.N.O.
- GLASS IN EXTERIOR HM DOORS SHALL BE INSULATED, TEMPERED.

FRAMES

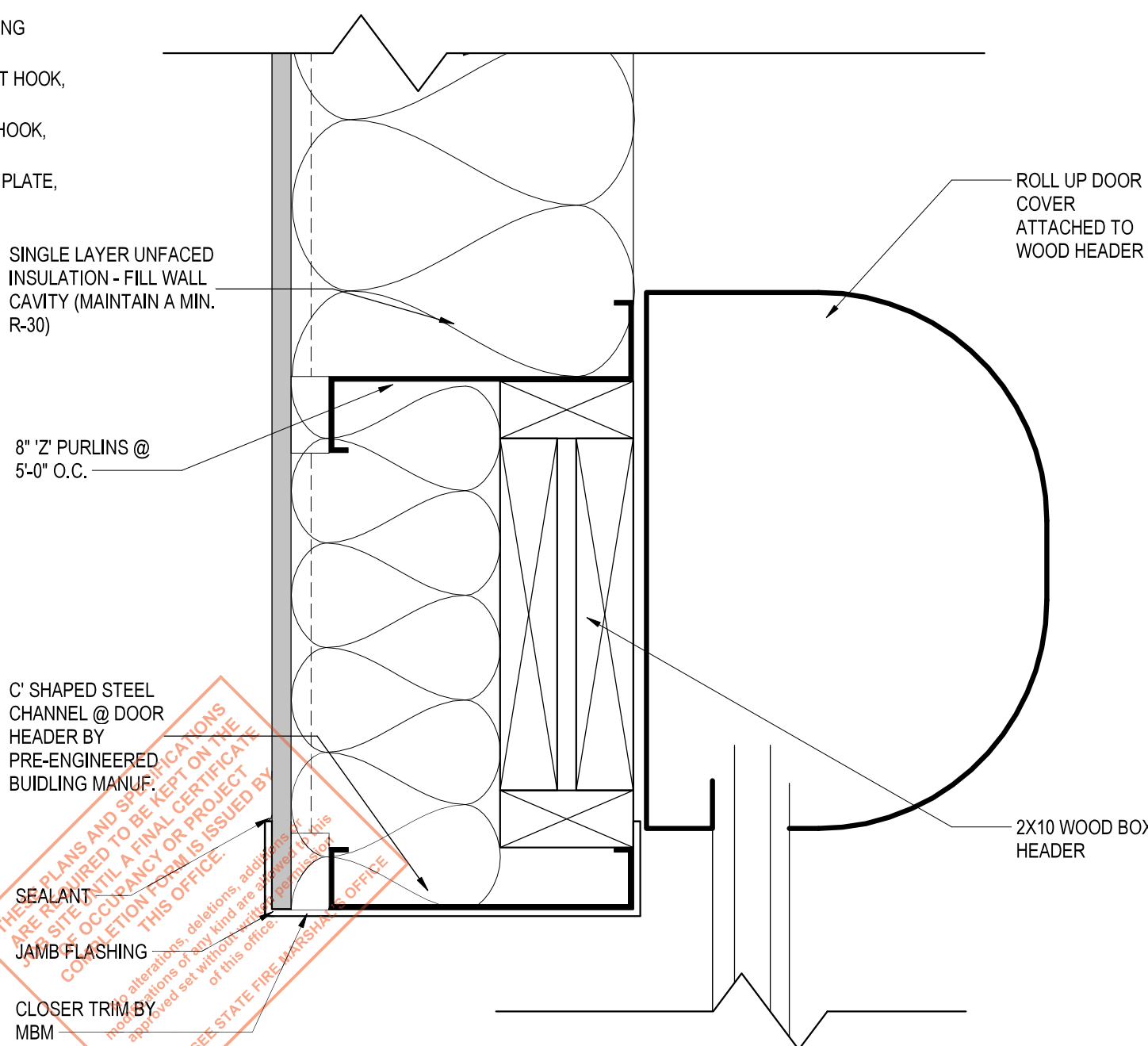
- ALL FRAMES SHALL BE LEVEL 3, 16 GAUGE U.N.O.
- ALL EXTERIOR FRAMES SHALL BE GALVANIZED.
- FRAMES <= 4'-0" W SHALL BE 16 GAUGE.
- FRAMES > 4'-0" W SHALL BE 14 GAUGE.
- ALL FRAMES SHALL BE FULLY WELDED. (KNOCK-DOWN FRAMES NOT PERMITTED.)
- AT EXTERIOR OPENINGS, PROVIDE FRAMES WITH FOAM-IN-PLACE INSULATION.
- CAULK DOOR FRAME AROUND THE FULL PERIMETER AND AT ALL FLOORS EXCEPT CARPETED AREAS.

HARDWARE

- ALL HARDWARE TO BE LEVER HANDLES U.N.O.
- TEXTURED (KNURLED) SURFACES REQUIRED ON DOOR HANDLES LEADING TO HAZARDOUS ROOMS.
- USE WALL MOUNTED DOOR STOPS WHERE POSSIBLE. OTHERWISE, PROVIDE HEAVY DUTY CONCEALED OVERHEAD DOOR STOPS.
- PROVIDE HEAVY DUTY HINGES ON DOORS OVER 3'-6" W.
- CONTRACTOR SHALL COORDINATE WITH OWNER ON FINAL KEYING REQUIREMENTS. REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- PROVIDE POSITIVELY LATCHING EXIT DEVICES WHERE INDICATED.
- PROVIDE SMOKE LABELED GASKETING ON ALL FIRE / SMOKE RATED DOORS.
- PROVIDE ALUMINUM THRESHOLD, WEATHERSTRIPPING, DOOR BOTTOM, AND RAINDRIP AT ALL EXTERIOR HOLLOW METAL DOORS

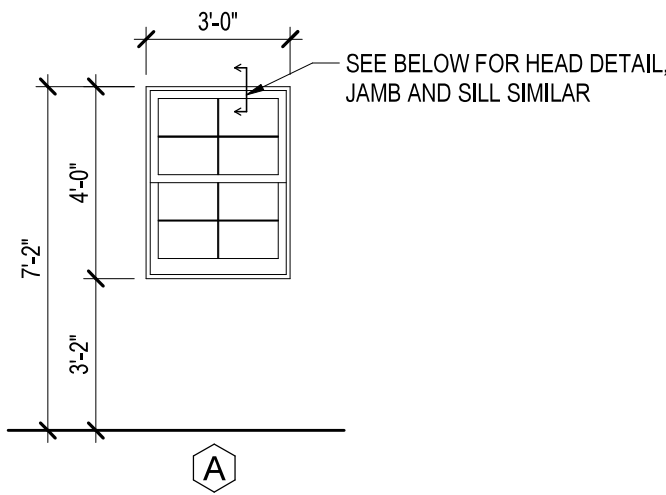
DOOR KEYNOTES

- DOOR & FRAME BY PRE-ENGINEERED BUILDING MANUF.
- ATTACHED OVERHEAD SECTIONAL DOOR TO PURLINS, ANGLE OVERHEAD TRACK TO FOLLOW ROOF SLOPE
- COORDINATE HEAD AND JAMB DETAILS WITH DOOR MANUF. AND PRE-ENGINEERED BUILDING MANUF.
- OFFICE: PROVIDE (4) HINGES, 1 OFFICE SET, KICK PLATE, MOP PLATE, WALL BUMPER, COAT HOOK, (3) DOOR SILENCERS
- TLT: PROVIDE (4) HINGES, 1 PRIVACY SET, KICK PLATE, MOP PLATE, WALL BUMPER, COAT HOOK, (3) DOOR SILENCERS
- EXTERIOR: PROVIDE: (3) HINGES, 1 EXIT DEVICE, 1 RIM CYLINDER, 1 DOOR CLOSER, 1 KICK PLATE, 1 WALL BUMPER, 1 DOOR SWEEP, 1 PERIMETER SEAL, 1 DRIP CAP, 1 THRESHOLD
- ATTACHED OVERHEAD COILING DOOR



4 COILING DOOR HEAD

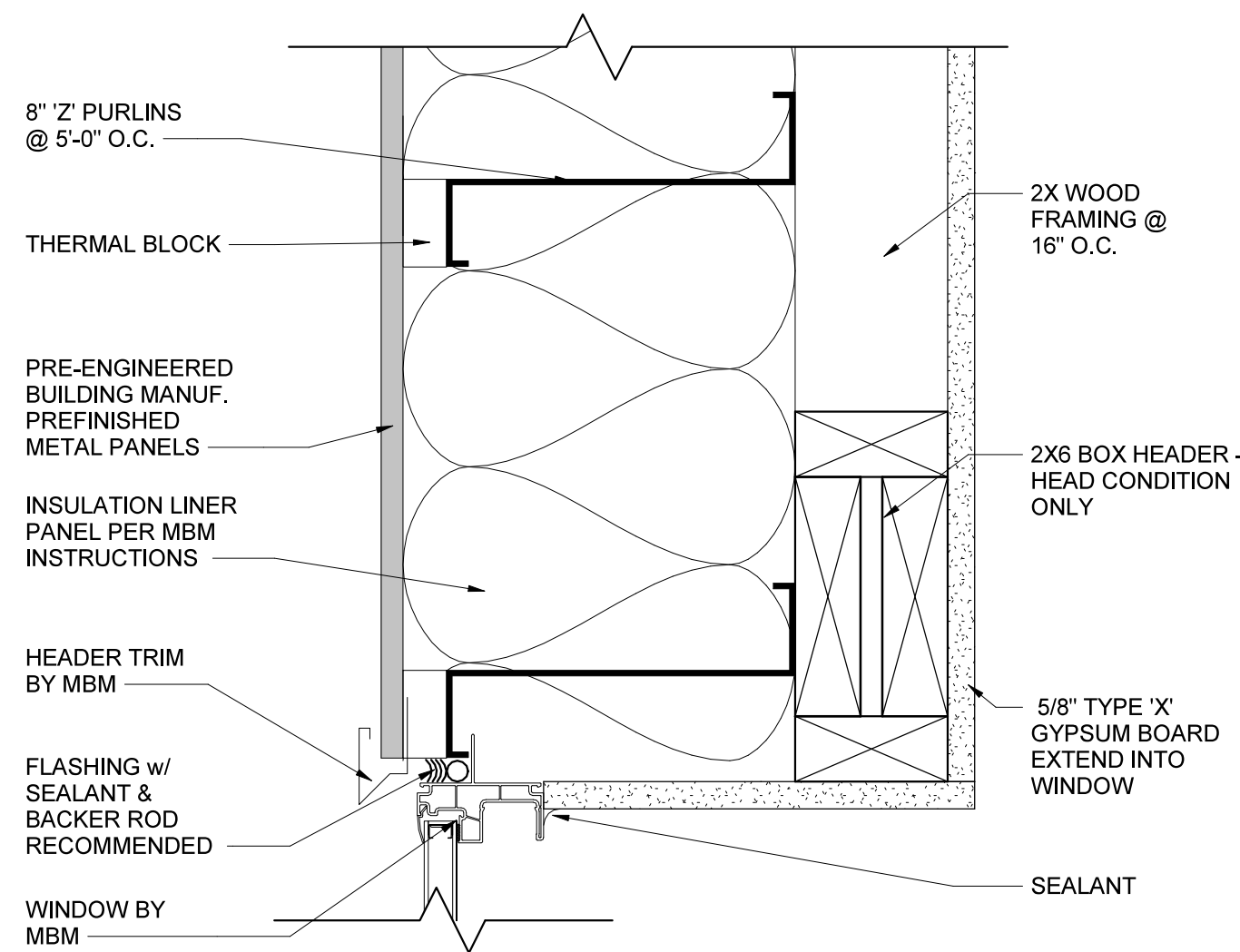
COILING DOOR OPENING TO BE FINISHED OUT BY MBM. REFER TO INSTALLATION INSTRUCTIONS FOR MORE INFORMATION



*BY PRE-ENGINEERED BUILDING MANUF.

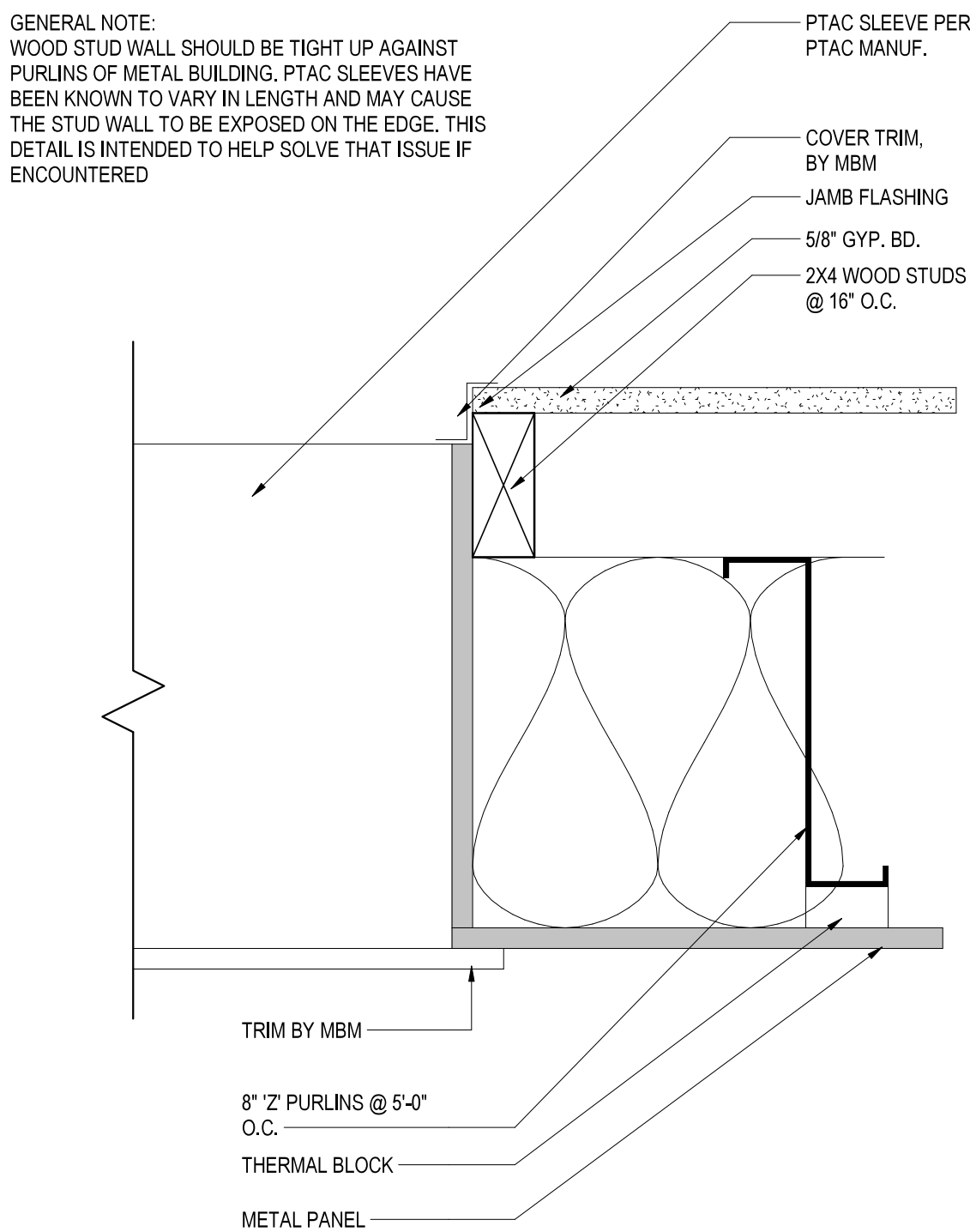
WINDOW ELEVATIONS

NOT TO SCALE



3 WINDOW DETAIL : HEAD DETAIL

SPECIFIC WINDOW DETAILS SUCH AS FLASHING/SEALANTS, ETC. ARE DETERMINED BY THE METAL BUILDING MANUFACTURERS INSTALLATION DETAILS. THIS DETAIL INTENDS TO SHOW HOW THE FURRING WALL INTERACTS WITH THE METAL BUILDING. THE JAMB AND SILL CONDITIONS ARE SIMILAR



5 JAMB - PTAC SLEEVE

PENETRATION DETAILS SUCH AS FLASHING/SEALANT TO BE PROVIDED PER THE MBM DETAILS AND INSTALLATIONS INSTRUCTIONS

PROJECT NO.		39999-3609-04			
PIN NO.		131121.00			
REVISIONS	BY	DATE			
DESCRIPTION					

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD,
CEDAR GROVE TN, 38321

PHASE
CONSTRUCTION
AUGUST 18 2023
PROJECT# 2024-04-17-10

Wold **HFR** DESIGN

214 Centerview Drive Suite 300
Brentwood, TN 37027
wolda.com phone: 615.370.8500
fax: 615.370.8530

SSR Smith Seckman Reid, Inc.

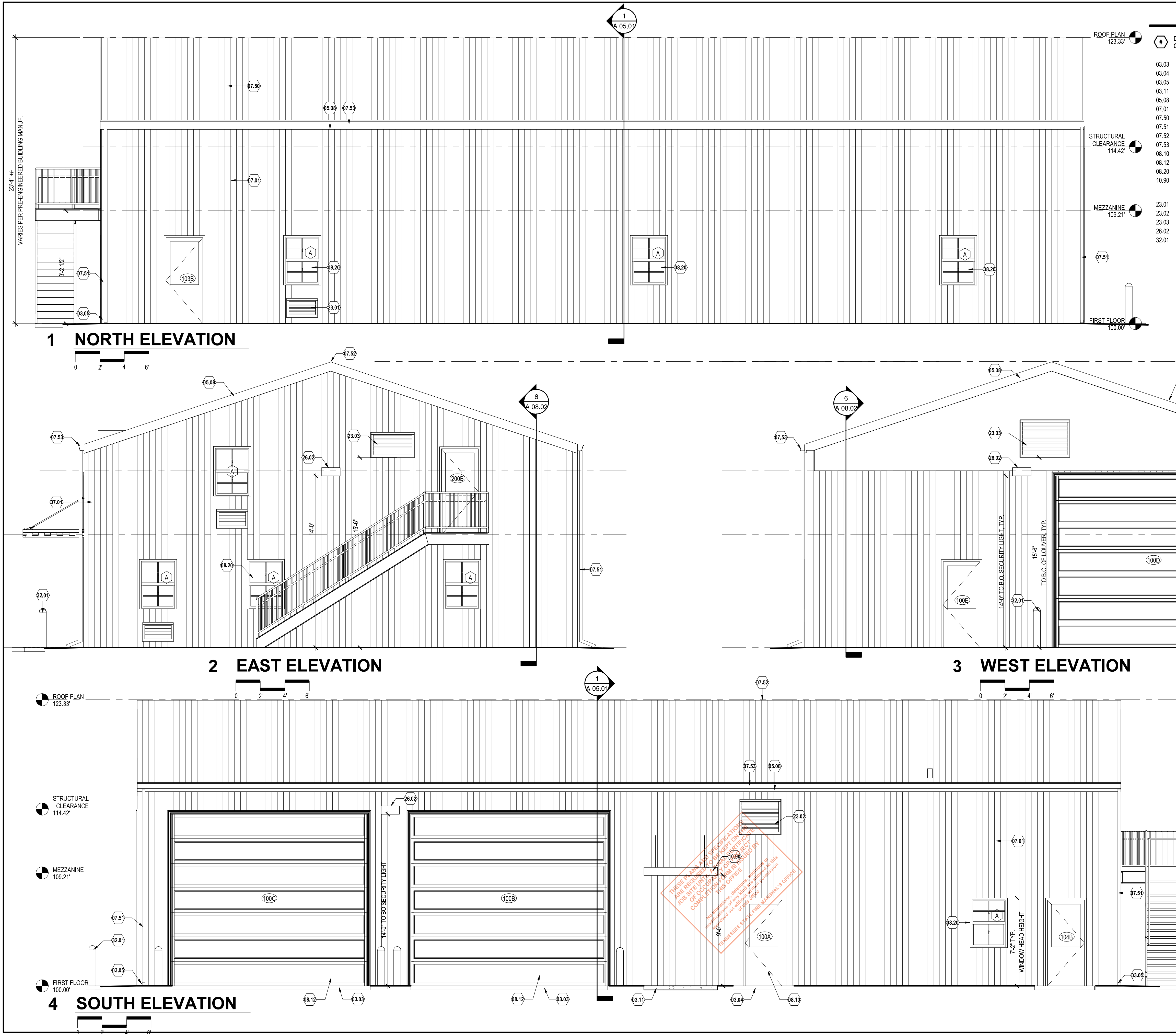
2650 Thousand Oaks Boulevard,
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www.ssr-inc.com

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

DOORS AND
WINDOWS
DTLS.
A 03.01
SHEET 9 OF 34



KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

03.03	4'-0" D CONCRETE APRON, REF CIVIL
03.04	5'-0" x 5'-0" CONCRETE STOOP, REF CIVIL
03.05	PROVIDE PRECAST CONC. SPASH BLOCK, TYP.
03.11	6'-0" x 6'-0" CONCRETE STOOP, REF CIVIL
05.08	PREFINISHED METAL TRIM - TYP.
07.01	PRE-ENGINEERED BUILDING MANUF. PREFINISHED METAL WALL PANELS
07.50	PRE-ENGINEERED BUILDING MANUF. METAL ROOF PANEL
07.51	PRE-ENGINEERED BUILDING MANUF. DOWNSPOUT (DS)
07.52	RIDGE VENT
07.53	PRE-ENGINEERED BUILDING MANUF. GUTTER
08.10	EXTERIOR GALVANIZED H.M. DOOR AND FRAME, REF SCHEDULE
08.12	PREFINISHED METAL OVERHEAD SECTIONAL DOOR W/ MOTOR OPERATOR
08.20	SINGLE-HUNG WINDOW, TYP.; REF SCHEDULE
10.90	PRE-ENGINEERED CANOPY, WITH FINISH TO MATCH WINDOWS. SUSPEND CANOPY BACK TO FRAMING AND SECURE. CANOPY BY METAL BUILDING MANUFACTURER, REF. SPECS
23.01	THRU WALL HVAC UNIT, REF MECH.
23.02	EXHAUST FAN, REF MECH.
23.03	PREFINISHED METAL LOUVER WITH BIRD AND INSECT SCREEN, REF MECH.
26.02	SECURITY LIGHT, REF ELECTRICAL
32.01	4" DIAMETER CONC. FILLED STEEL BOLLARDS, TYP.

PROJECT NO.		39999-3609-04	
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DESCRIPTION			

**TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING**

370 ROCK MILAM ROAD,
CEDAR GROVE TN, 38321

PHASE
CONSTRUCTION

DATE
AUGUST 18, 2023

PROJECT# 2024-04-17-10

Wold HFR DESIGN

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Brentwood, TN 37027
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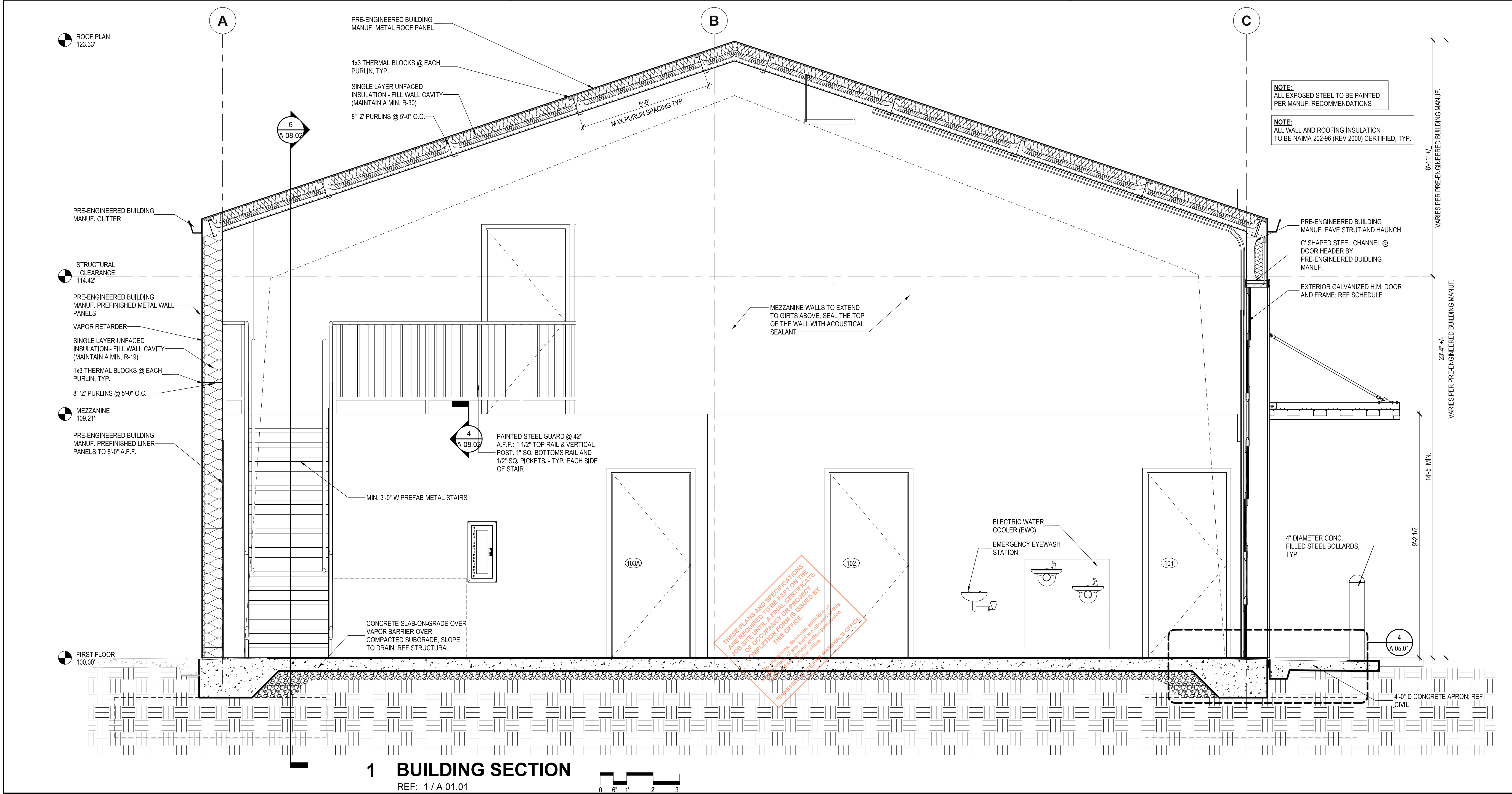
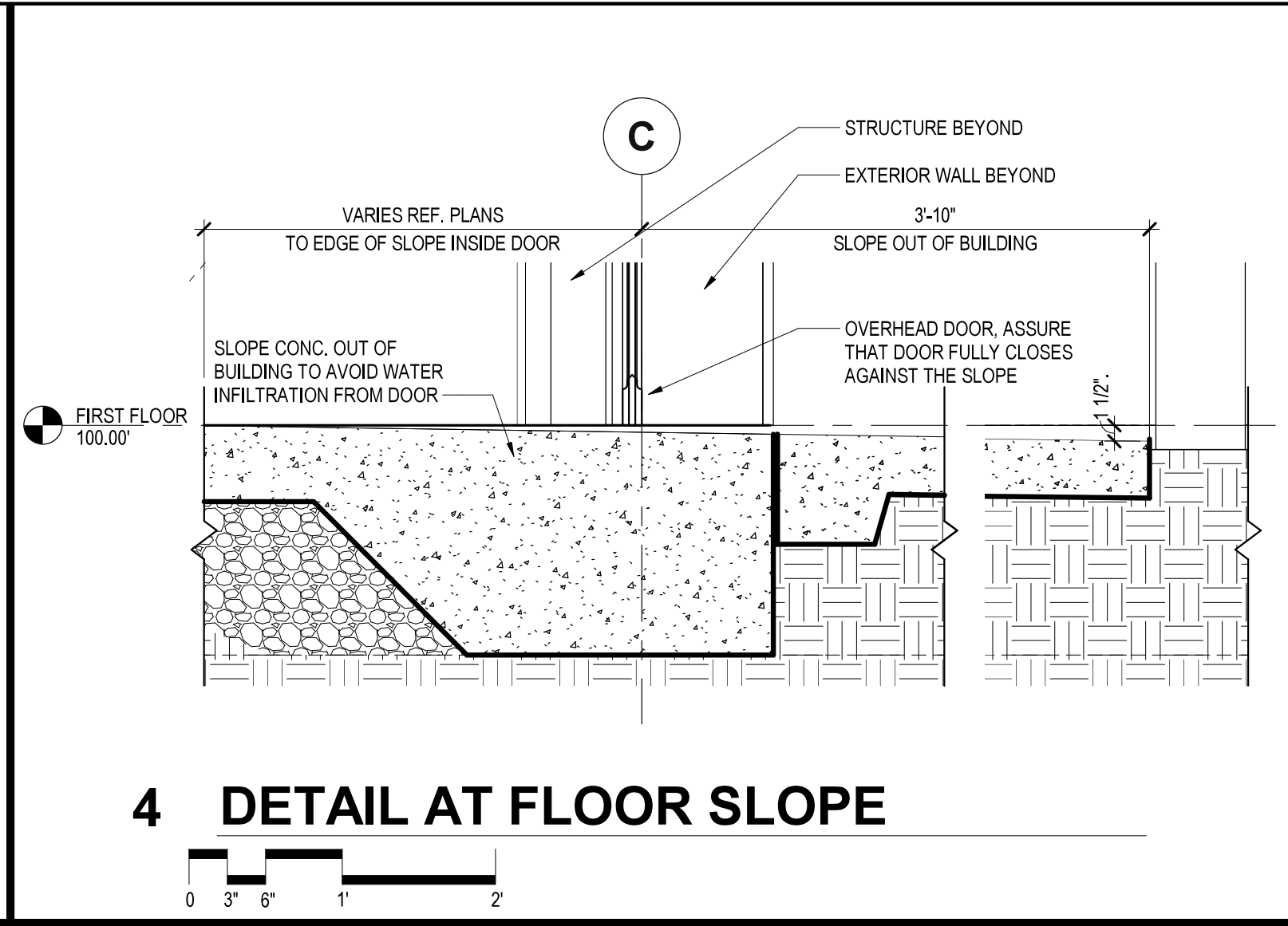
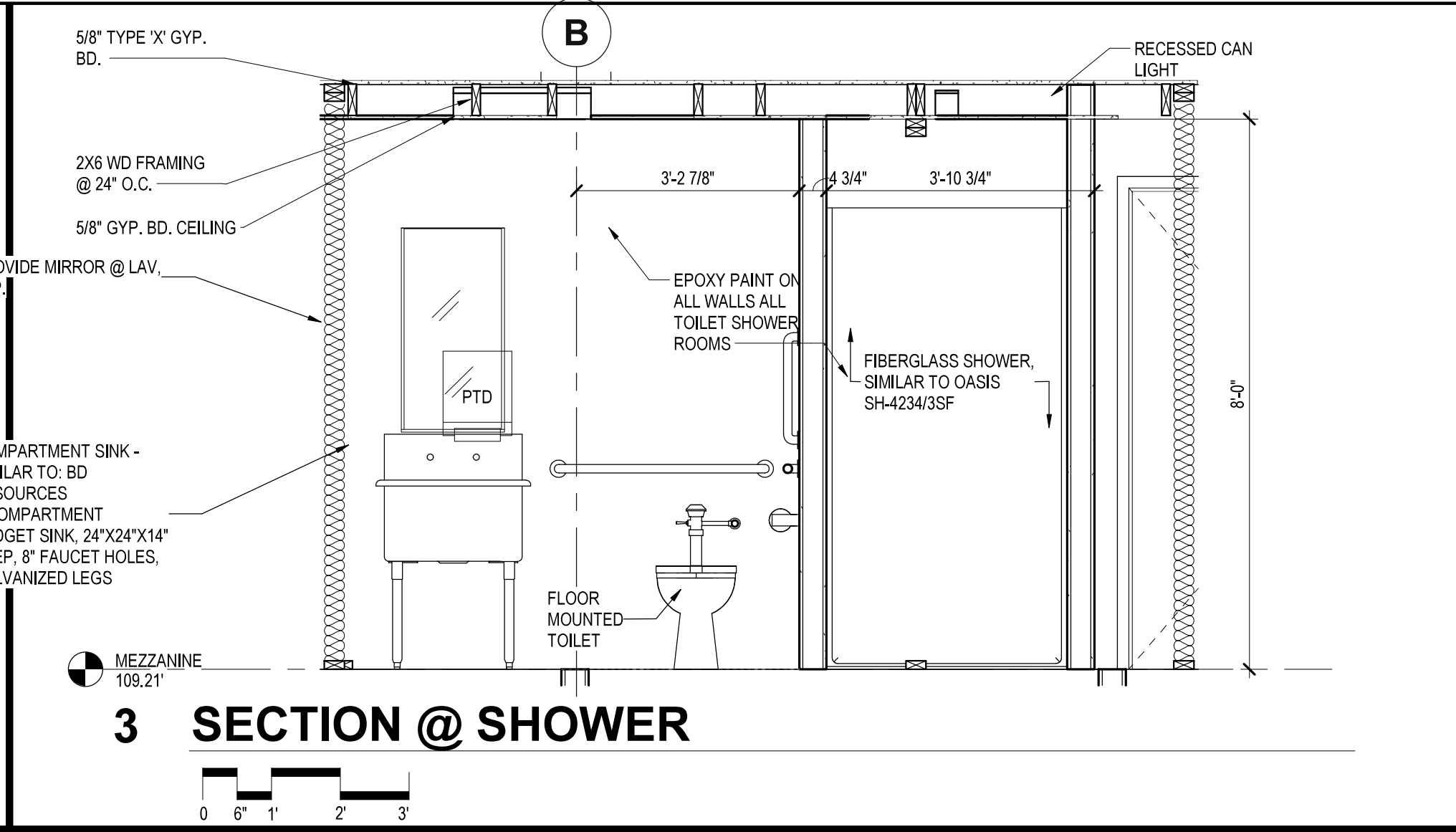
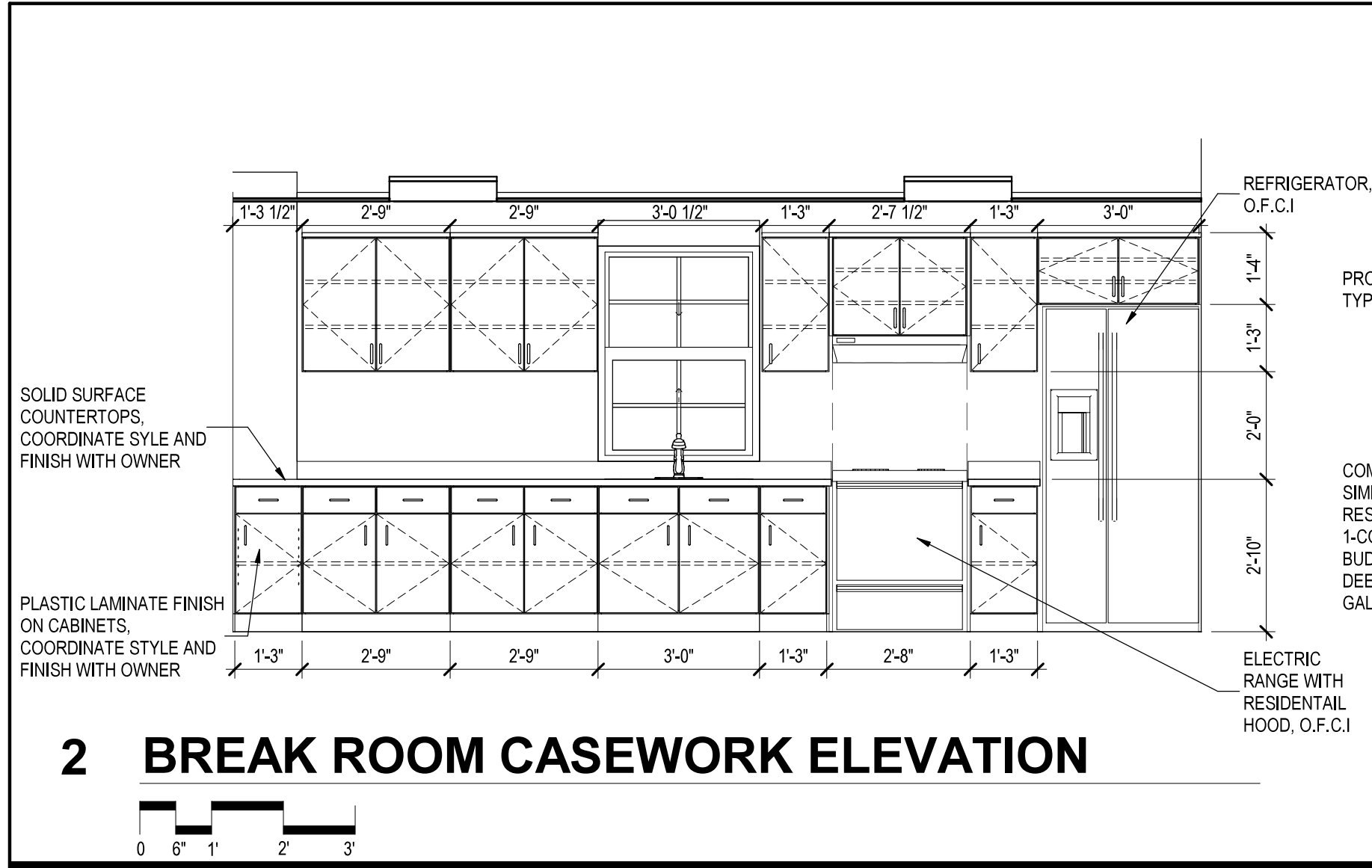
SEALED BY

RONALD L. FRANKS
Professional Engineer
No. 20945
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

**BUILDING
ELEVATIONS**

A 04.01
SHEET 10 OF 34



PROJECT NO. 39999-3609-04	
PIN NO. 131121.00	
REVISIONS	BY DATE
DESCRIPTION	

TDOT HENDERSON COUNTY MAINTENANCE BUILDING

370 ROCK MILAM ROAD, CEDAR GROVE TN, 38321

DATE: AUGUST 18, 2023

PHASE: CONSTRUCTION

Wold HFR DESIGN

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SEALED BY

RONALD L. FRANKS
Professional Engineer
No. 20945
STATE OF TENNESSEE
8/18/23

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BUILDING SECTION

A 05.01
SHEET 11 OF 34

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

SECTION

GENERAL NOTES:

1. ALL REQUIREMENTS OF LISTED UL DESIGN # MUST BE MET.

FIRE RATING:

UL DESIGN #:

GA FILE #:

STC RATING:

OPENINGS:

DAMPERS:

ABOVE CEILING ID (STENCIL):

LIFE SAFETY PLAN DESIGNATION:

WALL PRIORITY:

NON RATED PARTITION

INTERIOR WALL TYPES

A1

A2

B

A1 - 4-3/4" PARTITION:

A2 - 6 3/4" PARTITION:

4-1/8" PARTITION:

EXTERIOR WALL TYPES

KEYNOTE SCHEDULE	
#	DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.
08.13	2x2' ACCESS PANEL
08.14	1'X1' ACCESS PANEL
10.01	PROVIDE MIRROR @ LAV, TYP.
10.02	FIBERGLASS SHOWER, SIMILAR TO OASIS SH-4234/3SF
12.80	LOCKER ROOM BENCH, OFOI
22.01	FLOOR MOUNTED TOILET
22.03	EMERGENCY EYEWASH STATION
22.04	ELECTRIC WATER COOLER (EWC)
22.06	URINAL
22.07	COMPARTMENT SINK - SIMILAR TO: BD RESOURCES 1-COMPARTMENT BUDGET SINK, 24"X24"X14" DEEP, 8" FAUCET HOLES, GALVANIZED LEGS
22.10	WALL HUNG ADA COMPARTMENT SINK - JUST MANUFACTURING - JH-ADA-3020-S-CP - PROVIDE BLOCKING
26.01	PROVIDE SCONCE LIGHT @ LAV, TYP.

CEILING MATERIAL LEGEND:

GYPSUM BOARD

EXPOSED STRUCTURE

CEILING FIXTURES LEGEND:

2x4 LIGHT FIXTURE - RECESSED, SUSPENDED OR SURFACE MOUNTED

2x2 LIGHT FIXTURE - RECESSED, SUSPENDED OR SURFACE MOUNTED

1x4 LIGHT FIXTURE - RECESSED, SUSPENDED OR SURFACE MOUNTED

LINEAR LIGHTING

SUPPLY GRILLE

RETURN GRILLE

EXHAUST GRILLE

ACCESS PANEL

DOWNLIGHT

DOWNLIGHT RECESSED

EXIT LIGHT SINGLE FACE

EXIT LIGHT DOUBLE FACE

WALL MOUNTED LIGHT FIXTURE

SMOKE DETECTOR

SPEAKER

HIGH BAY LIGHT FIXTURE

GENERAL WALL NOTES

REFERENCE WALL TYPE DETAILS, PLANS, AND SPECIFICATIONS.

1. ALL WALLS SHALL BE 3-1/2" WOOD STUDS

2. GYPBOARD REQUIREMENTS:

• ALL GYPBOARD SHALL BE 5/8" TYPE "X" U.N.O.

• PROVIDE FIRE RATED GLASS FIBER FACED GYPSUM PANELS ON INTERIOR SURFACE OF EXTERIOR WALLS, TOILET ROOMS, JANITOR'S CLOSETS, MECHANICAL SPACES, AND WITHIN 4'-0" OF WATER SOURCES.

• PROVIDE FIRE RATED IMPACT RESISTANT GYPBOARD 4'-0"H AT SERVICE AREA SIDE OF WALL (IMPACT RESISTANT GYPBOARD SHALL TAKE PRIORITY AT LOCATIONS INDICATED TO RECEIVE GLASS FIBER FACED GYPSUM PANELS.)

3. ALL FRAMING SHALL BE 20 GA U.N.O.

4. STAGGER JOINTS ON OPPOSITE SIDES OF PARTITIONS.

5. PROVIDE ACOUSTICAL INSULATION FULL HEIGHT IN ALL WALLS U.N.O.

6. INSTALL ACOUSTICAL GASKETS AT FLOOR AND CEILING TRACK LOCATIONS.

7. EXTEND ALL WALL CONSTRUCTION TO THE DECK ABOVE AND SEAL U.N.O.

8. DO NOT INSTALL DEFLECTION FROM STRUCTURAL BUILDING MEMBERS TO STUDS. CONTRACTOR'S OPTION, PROVIDE EITHER OF THE FOLLOWING:

• MAINTAIN CLEARANCE UNDER STRUCTURAL BUILDING MEMBERS TO AVOID DEFLECTION TRANSFER TO STUDS. PROVIDE EXTENDED LEG CEILING RUNNERS.

• PROVIDE DEFLECTION AND BRIDGING CLIPS.

9. GYPBOARD PANELS SHALL BE PLACED A MINIMUM OF 1/4" ABOVE FLOOR AND SHALL BE CUT WITHIN 1/4" MAX TOLERANCE TO SHAPE OF DECK OR STRUCTURE ABOVE. GAPS BETWEEN PANELS SHALL BE <1/4".

10. PENETRATIONS IN WALLS SHALL BE SEALED AS REQUIRED BY THE WALL RATING PER AN APPROVED UL DESIGN.

GENERAL CEILING NOTES

CEILINGS ARE DIRECT APPLIED TO UNDERSIDE OF MEZZANINE FLOOR FRAMING (8'-2" TYP.)

ALL WORK

1. COORDINATE ABOVE CEILING DUCTWORK, PIPES, ETC. TO MEET CEILING HEIGHTS AS SHOWN ON DRAWINGS.

2. SAFETY WIRES FOR LIGHTING, MPE, AND OTHER ITEMS:

• FOR LIGHT FIXTURES, MECHANICAL ITEMS AND ATTACHMENTS WITH A COMBINED WEIGHT OF 56 POUNDS OR LESS, PROVIDE POSITIVE ATTACHMENT WITH TWO DEVICES PLUS TWO SLACK WIRES AT DIAGONAL CORNERS.

• FOR LIGHT FIXTURES AND MECHANICAL ITEMS WITH A COMBINED WEIGHT GREATER THAN 56 POUNDS, ATTACH SEPARATE WIRES (4 MINIMUM) TO INDEPENDENTLY SUPPORT FIXTURES FROM STRUCTURE. DO NOT INSTALL FIXTURES SUCH THAT SUPPORT FOR FIXTURES COMES FROM CEILING GRID.

3. CEILING MATERIALS ARE AS SHOWN. REFER TO SPECIFICATIONS FOR SPECIFICS REGARDING TYPES OF FINISHES.

4. CENTER LIGHT FIXTURES, DEVICES AND SPRINKLER HEADS IN ROOM.

5. CENTER EXIT SIGNS OVER EXIT DOORS (U.N.O.)

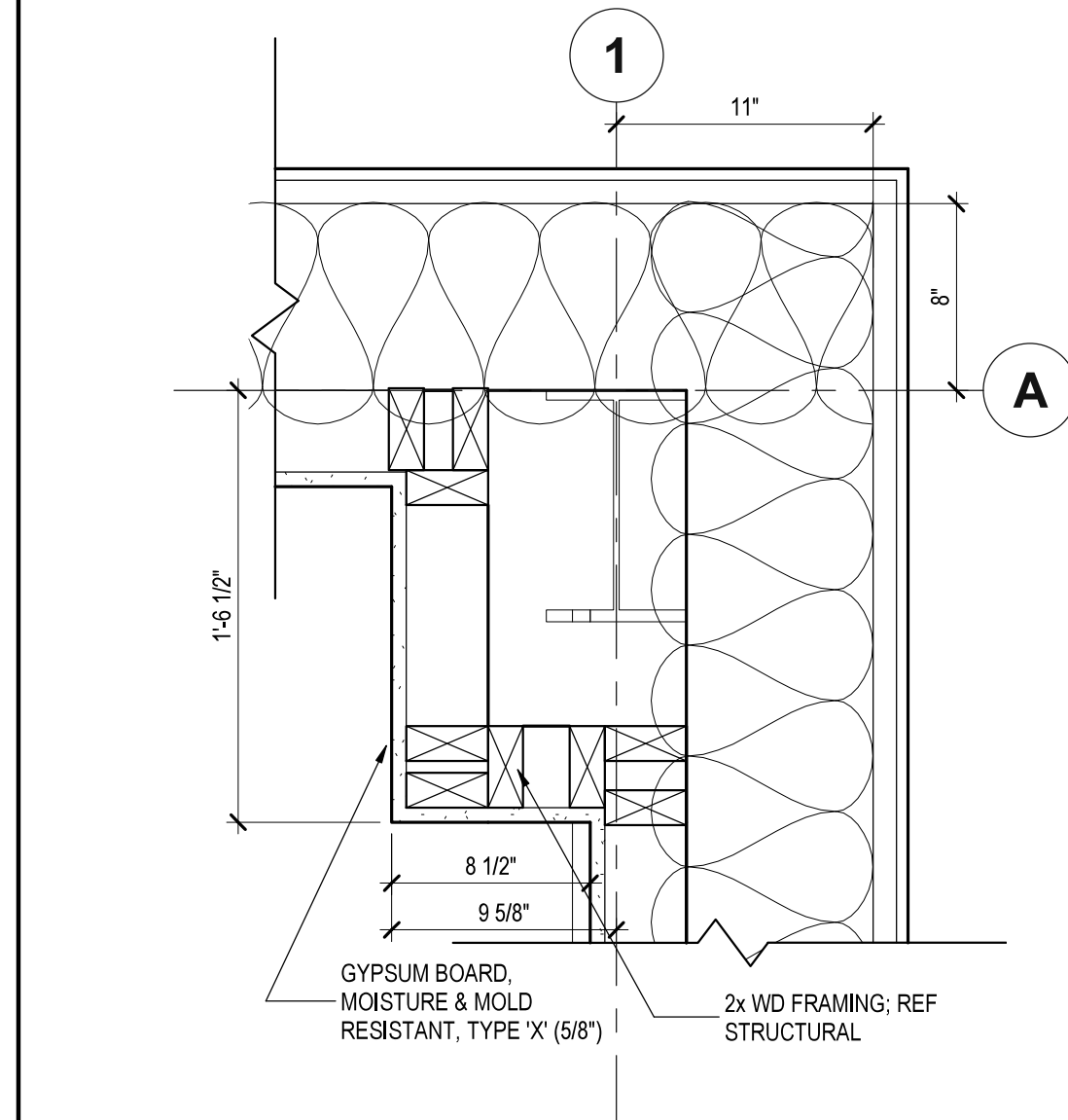
6. ACCESS PANELS: PROVIDE ALLOWANCE FOR (2) 24" X 24" ACCESS PANELS IN EACH HARD CEILING LOCATION IN ADDITION TO THOSE SHOWN ON THE DRAWINGS. CREDIT UNUSED ACCESS PANEL MONIES BACK TO OWNER AT PROJECT CLOSEOUT. PROVIDE ACCESS PANELS WHERE REQUIRED FOR TEST VALVES, CONTROLS, AND ABOVE CEILING MAINTENANCE THAT MEET THE RATING OF THE ASSEMBLY IN WHICH THEY ARE INSTALLED.

7. INSTALL CEILINGS IN ALL ROOMS AS SHOWN ON THE REFLECTED CEILING PLAN AND AS INDICATED ON THE FINISH PLAN TO RECEIVE NEW CEILINGS.

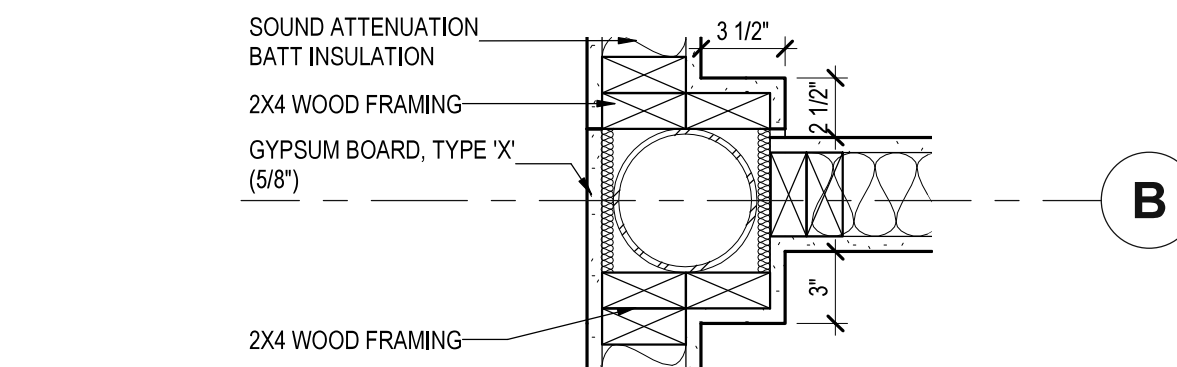
8. PAINT INTERIOR SURFACES OF AIR DUCTS AND CONVECTOR / BASEBOARD HEATING CABINETS THAT ARE VISIBLE THROUGH GRILLES AND LOUVERS WITH ONE COAT OF FLAT BLACK PAINT. FOR A MINIMUM OF 1'-6" OR BEYOND SIGHT LINE, WHICHEVER IS GREATER, PAINT DAMPERS EXPOSED IMMEDIATELY BEHIND LOUVERS, GRILLES AND CONVECTOR AND BASEBOARD CABINETS TO MATCH FACE PANELS.

1

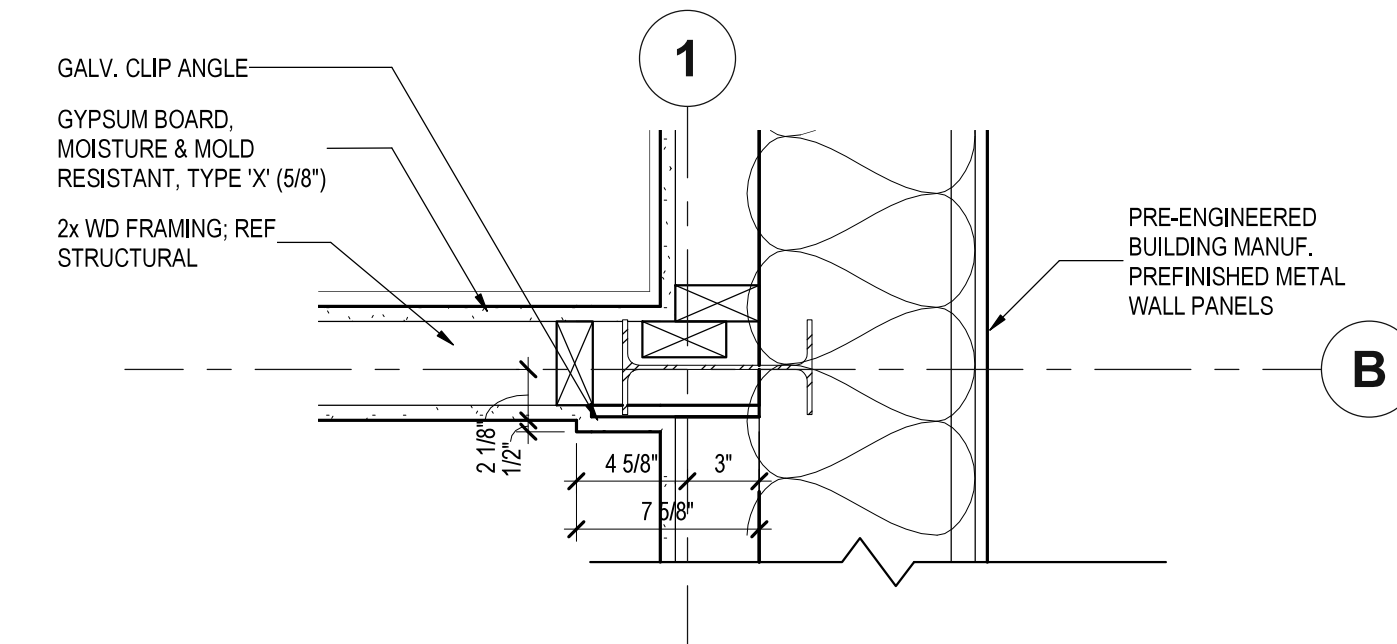
TOILET ENLARGED PLANS



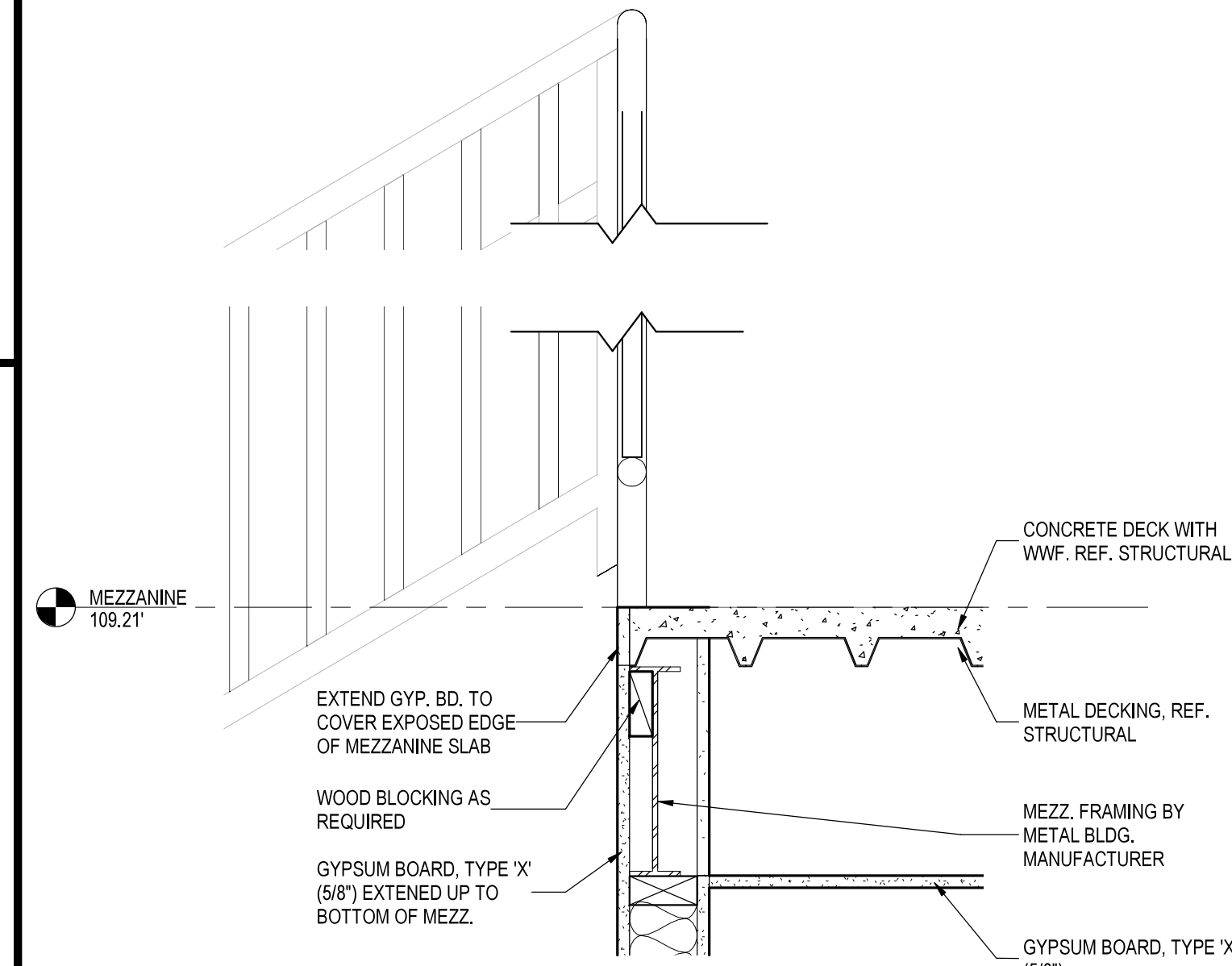
1 PLAN DETAIL @ COLUMN A-1



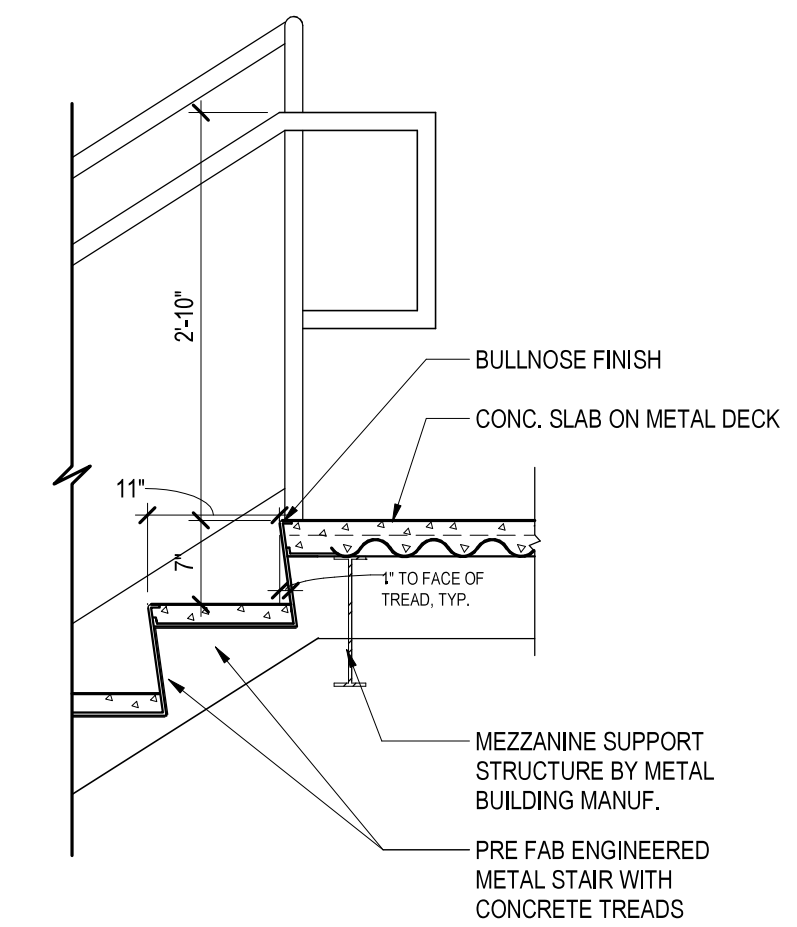
2 DETAIL @ COLUMN B-1



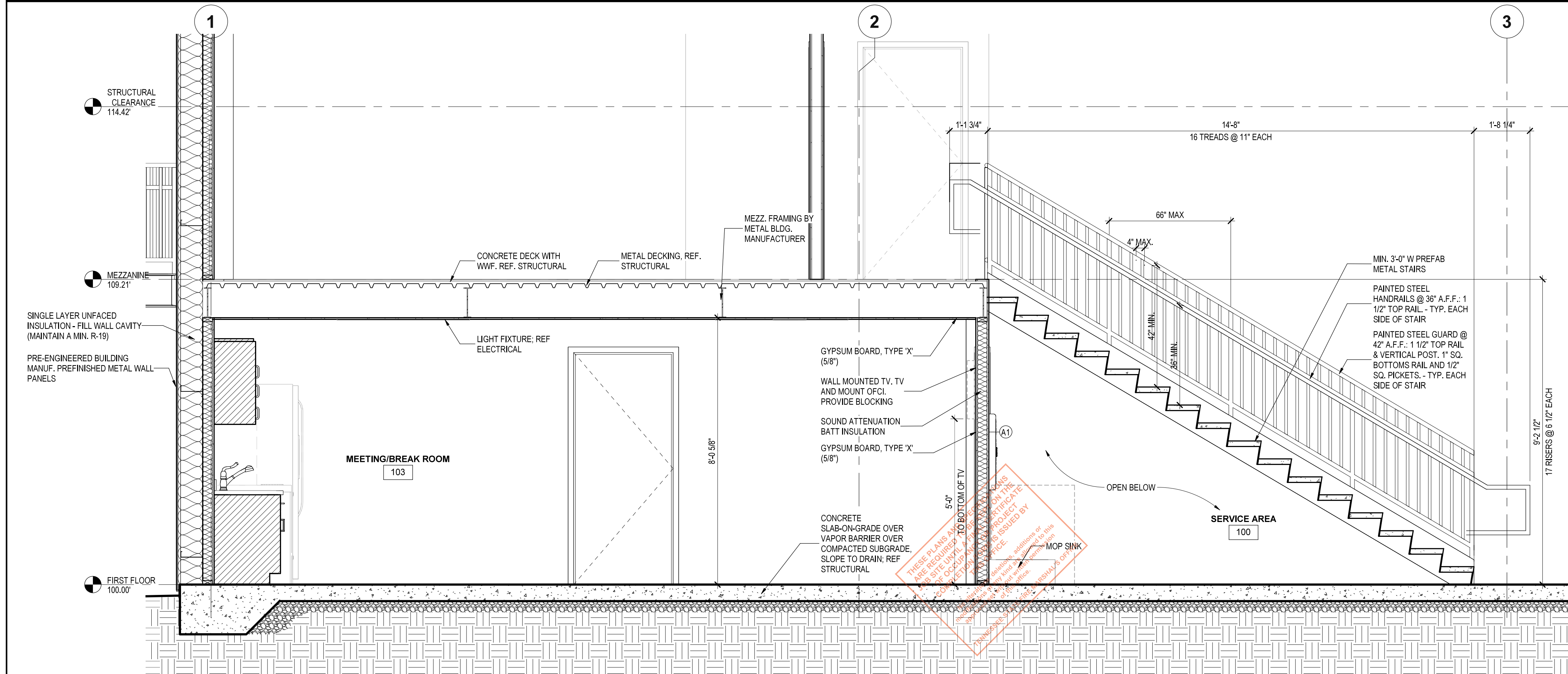
3 PLAN DETAIL @ COLUMN B-2



4 DETAIL @ MEZZANINE GUARD



5 DETAIL @ TOP (NEAR WALL)



6 SECTION @ MEZZANINE & STAIR

PROJECT NO.		39999-3609-04	
PIN NO.		131121.00	
REVISIONS	DATE		
	BY		
DESCRIPTION			

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

PHASE **CONSTRUCTION** DATE **AUGUST 18, 2023**



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

MISC. DETAILS

A 08.02

HEET13 OF 34

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

STATEMENT OF SPECIAL INSPECTIONS		
<p>THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS REQUIRED FOR BUILDING PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION AND STRUCTURAL TESTING CHARGE, DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL, IN RESPONSIBLE CHARGE, A FINAL REPORT DOCUMENTING ALL THE REQUIRED SPECIAL INSPECTIONS AND TESTING, AND CORRECTION OF ANY DISCREPANCIES NOTED PREVIOUSLY SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.</p>		
<p>THE OWNER OR REGISTERED DESIGN PROFESSIONAL IN CHARGE (ARCHITECT) ACTING AS THE OWNERS AGENT SHALL EMPLOY ONE OR MORE AGENCIES APPROVED BY THE BUILDING OFFICIAL TO PERFORM INSPECTION DURING CONSTRUCTION. THESE INSPECTIONS ARE IN ADDITION TO SECTION 110 OF THE IBC. CONTRACTOR IS RESPONSIBLE TO ENSURE THE INSPECTOR IS PRESENT WHERE WORK REQUIRES PERIODIC OR CONTINUOUS INSPECTION.</p>		
RESPONSIBILITIES OF THE SPECIAL INSPECTOR		
<p>THE INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL, IN RESPONSIBLE CHARGE, A FINAL REPORT DOCUMENTING ALL THE REQUIRED SPECIAL INSPECTIONS AND TESTING, AND CORRECTION OF ANY DISCREPANCIES NOTED PREVIOUSLY SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.</p>		
FABRICATIONS		
<p>SPECIAL INSPECTIONS OF THE FABRICATION PROCESS SHALL NOT BE REQUIRED WHERE FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR IS REGISTERED AND APPROVED TO PERFORM THE WORK WITHOUT SPECIAL INSPECTIONS. AT THE COMPLETION OF THE FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL.</p>		
<p>THE SPECIAL INSPECTIONS ARE IN ADDITION TO THE MATERIAL TESTING AND INSPECTIONS LISTED IN THE CONTRACT SPECIFICATIONS. CONTRACTOR IS TO COORDINATE SPECIAL INSPECTIONS, MATERIAL SPECIFIC TESTING AND INSPECTIONS WITH THE OWNER FURNISHED SPECIAL INSPECTOR MATERIAL TESTING LABS.</p>		
<p>THE SPECIAL INSPECTIONS INDICATED HEREIN DO NOT RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES. CONTRACTOR SHALL PAY FOR ANY ADDITIONAL TESTING OR INSPECTION REQUIRED FROM WORK OR MATERIALS NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.</p>		
THE STATEMENT OF SPECIAL INSPECTIONS INCLUDES REQUIRED VERIFICATION AND INSPECTION OF THE FOLLOWING SECTIONS:		
1. CONCRETE CONSTRUCTION		
2. SOILS		
COMPONENTS PART OF THE MAIN WIND FORCE RESISTING SYSTEM AND SUBJECTED TO SPECIAL INSPECTIONS FOR WIND RESISTANCE:		
COMPONENTS PART OF THE MAIN SEISMIC FORCE RESISTING SYSTEM AND SUBJECTED TO SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:		
AISC 360-10: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS		
TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING		
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIAL	X	-
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	-	X
3. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	-	X
4. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	-	X
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	-	X
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHOD USED	X	X
7. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	-	X
TABLE N5.6-2 INSPECTION TASKS DURING BOLTING		
1. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	-	X
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	-	X
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	-	X
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RSCS SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	-	X
TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING		
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	-

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B.	---	---	AWS D1.4 ACI 318:3.5.2	---
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	---	X	ACI 318:8.1.3, 21.2.8	1908.5, 1909.1
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	---	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
5. VERIFYING USE OF REQUIRED DESIGN MIX	---	X	ACI 318: CH. 4, 5.2-5.4	1904.2, 1910.2, 1910.3
6. AT THE TIME OF FRESH CONCRETE IS SAMPLED TO 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: 5.8, 5.8	1910.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11-5.13	1910.9
9. INSPECTION OF PRESTRESSED CONCRETE:				
A. APPLICATION OF PRESTRESSING FORCES.	X	---	ACI 318: 18.20 ACI 318: 18.18.4	---
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE-RESISTING SYSTEM.	X			
10. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: CH. 16	---
11. VERIFICATION OF 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: 6.2	---
12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X	ACI 318: 6.1.1	---

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC
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 MATERIALS.	---	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, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

TABLE 1705.11, REQUIRED VERIFICATION AND INSPECTION OF SEISMIC RESISTANCE				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. STRUCTURAL STEEL				
SEE AISC 341 AND INSPECTION LIST ATTACHED	X	X	AISC 341	1705.11.1
2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND ARCHITECTURAL PLANS FOR FURTHER SPECIAL INSPECTIONS RELATED TO EACH DISCIPLINE.				

THESE PLANS AND SPECIFICATIONS
ARE REQUIRED TO BE KEPT ON THE
JOB SITE UNTIL FINAL ACCEPTANCE
OR OCCUPANCY ORDERS ARE ISSUED BY
THIS OFFICE.

No alterations, deletions, additions or
modifications are to be made without the
approval of this office.

TENNESSEE STATE FIRE MARSHAL'S OFFICE

PROJECT NO.		39999-3609-04	
PIN NO.		131121.0	
REVISIONS	DESCRIPTION	BY	DATE

TDOT HENDERSON COUNTY MAINTENANCE BUILDING

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321

DATE
AUGUST 18, 2023

CONSTRUCTION PHASE

HFR DESIGN
 214 Centerview Drive Suite 300
 Brentwood, TN 37027
 woldaec.com phone: 615.370.8500
 fax: 615.370.8530

**Smith
Seckman
Reid, Inc.**
 2650 Thousand Oaks Boulevard,
 Suite 4200
 Memphis, TN 38118
 (901) 683-3900
 FAX: (901) 683-3990
 www.ssr-inc.com
 SSR Project #: --

SEALED BY

(Signature)
 8/18/2023

STATE OF TENNESSEE
 DEPARTMENT OF
 TRANSPORTATION

SPECIAL INSPECTION NOTES

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SHEET 15 OF 34

PROJECT NO.	39999-3609-04
PIN NO.	131121.0
REVISIONS	
DESCRIPTION	
BY	
DATE	

TDOT HENDERSON
COUNTY MAINTENANCE
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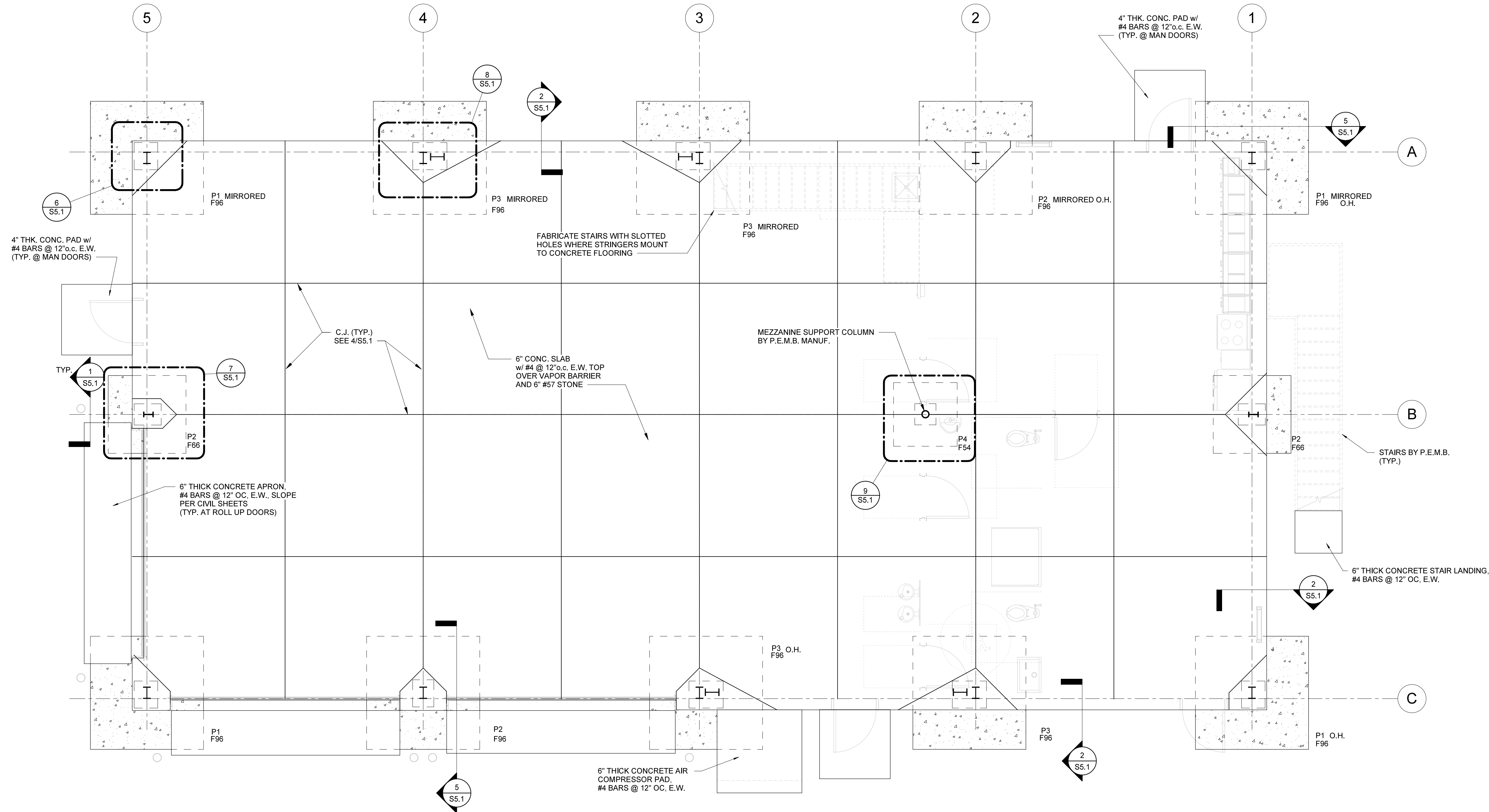


STATE OF TENNESSEE
DEPARTMENT OF
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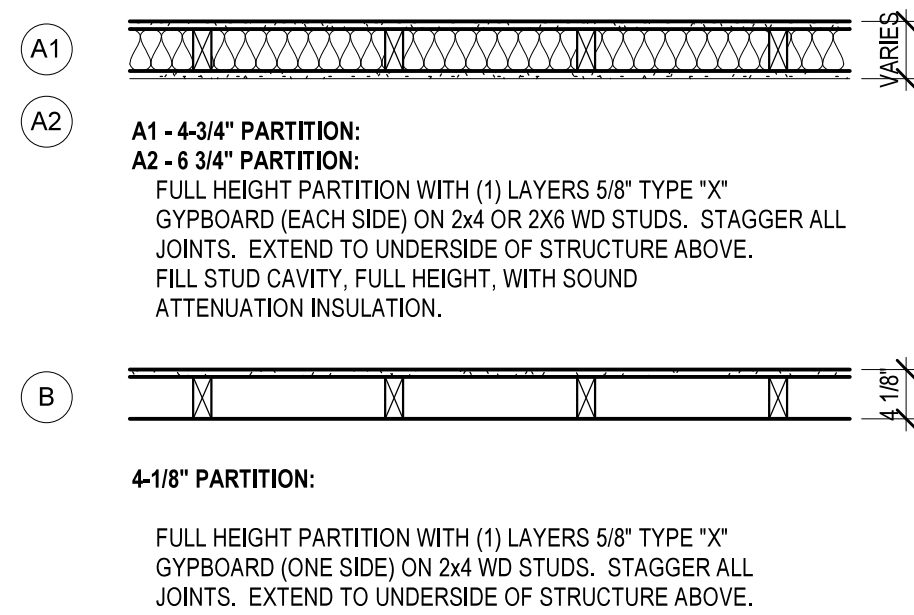
FOUNDATION
PLAN

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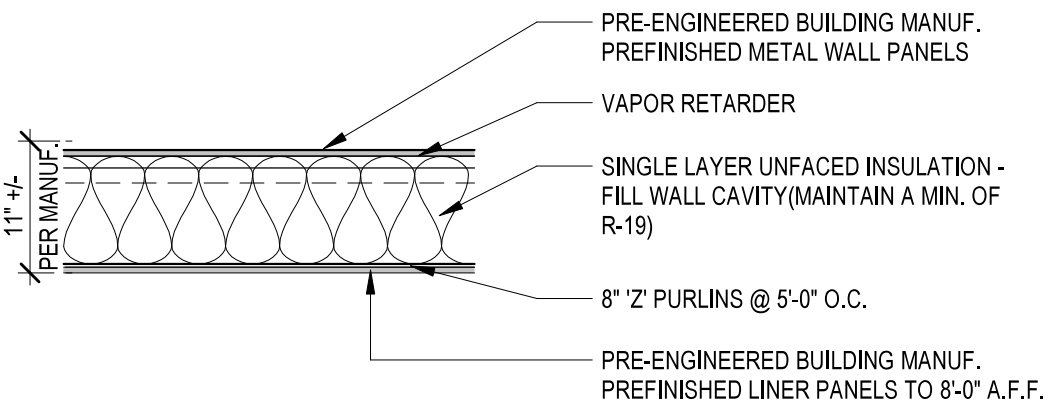
SHEET 16 OF 34



INTERIOR WALL TYPES



EXTERIOR WALL TYPES



FOUNDATION PLAN

1/4\" = 1'-0"

- NOTES:
- SEE CIVIL DWG. FOR F.F.E.
 - SLAB CONTROL JOINTS NOT TO EXCEED AND AREA OF 400 SQ. FEET IN AS SQUARE A PATTERN AS POSSIBLE.
 - SEE GENERAL NOTES FOR INFO NOT SHOWN ON PLAN.
 - SEE ARCH. DWG. FOR DIMENSIONS NOT SHOWN.
 - CONTRACTOR HAS OPTION TO USE W.W.F. 6x6 xW2.9xW2.9 IN LIEU OF #4 BARS IN THE 6\" SLAB OF THE OFFICE AREAS ONLY. AREAS SUBJECT TO VEHICLE LOADING SHALL BE REINFORCED AS SHOWN ON PLAN ONLY.

THESE PLANS AND SPECIFICATIONS ARE SUBMITTED TO THE STATE OF TENNESSEE FOR REVIEW AND APPROVAL. NO ALTERATIONS, DELETIONS, ADDITIONS OR MODIFICATIONS TO ANY PART OF THESE PLANS OR SPECIFICATIONS ARE TO BE MADE WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. THE ENGINEER'S OFFICE IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ENGINEER.

PIER SCHEDULE

REMARKS:				
A. TWO (2) SETS OF TIES.				
B. THREE (3) SETS OF TIES.				
C. SEE DETAILS.				
MARK	WIDTH	LENGTH	REINFORCEMENT	REMARKS
P1	1' - 6"	1' - 6"	SEE DETAIL FOR REINF.	SEE DETAIL FOR TIES
P2	1' - 6"	1' - 11"	SEE DETAIL FOR REINF.	SEE DETAIL FOR TIES
P3	1' - 11"	2' - 5"	SEE DETAIL FOR REINF.	SEE DETAIL FOR TIES
P4	1' - 6"	1' - 6"	SEE DETAIL FOR REINF.	SEE DETAIL FOR TIES

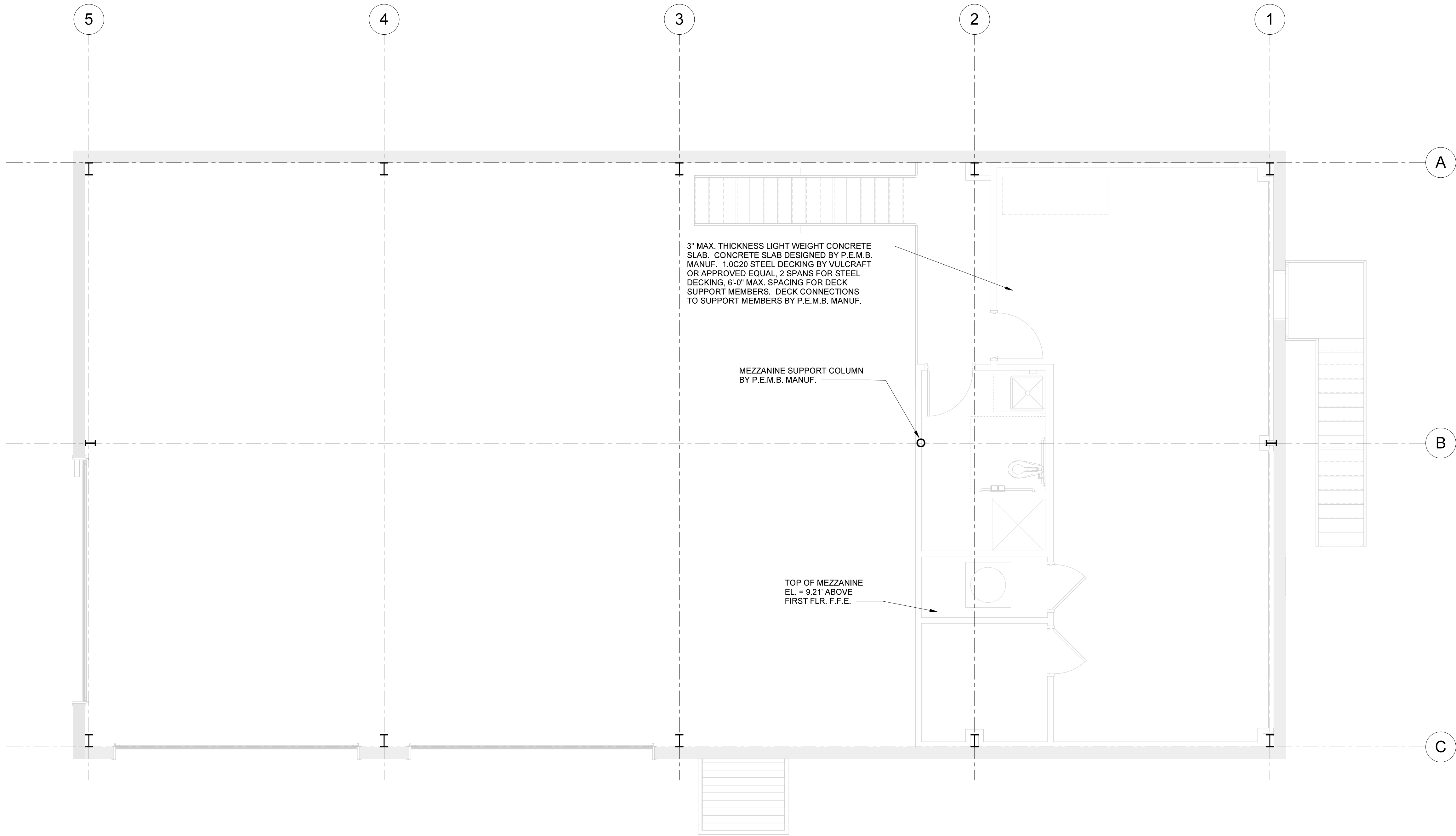
ISOLATED FOOTING SCHEDULE

REMARKS:

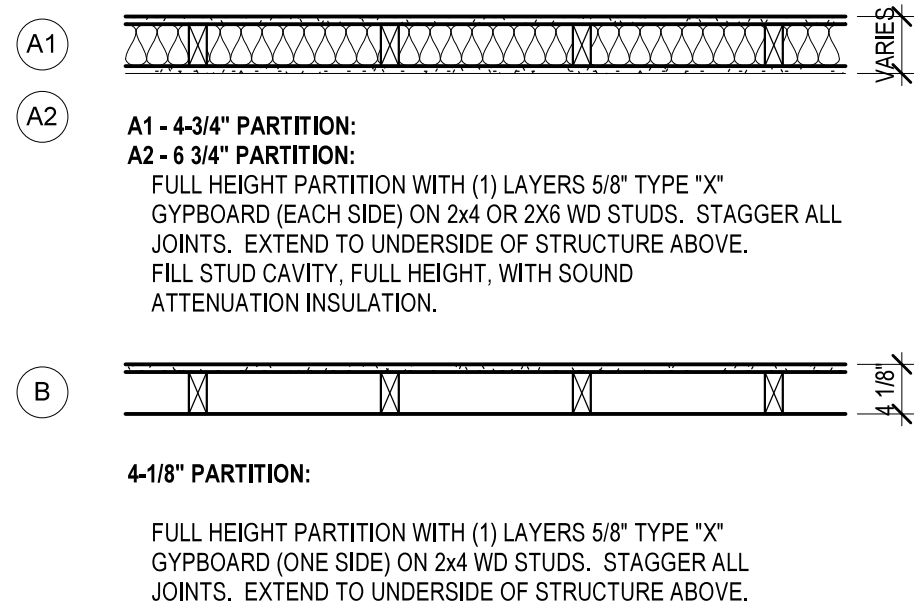
A. TERMINATE ALL BARS WITH ACI STANDARD HOOKS.

B. TERMINATE TOP BARS ONLY WITH ACI STANDARD HOOKS.

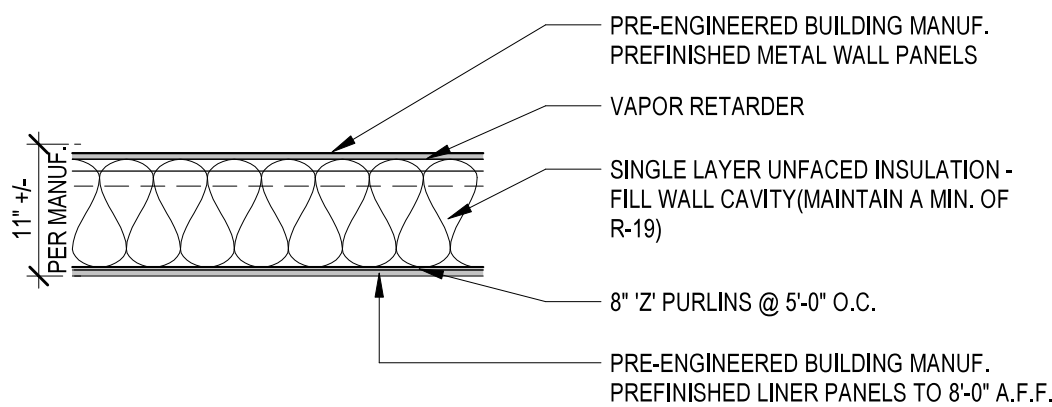
MARK	WIDTH	LENGTH	THK.	REINFORCEMENT	REMARKS
F54	4' - 6"	4' - 6"	12"	(4) #5 E.W. BTM.	A
F66	5' - 6"	5' - 6"	12"	(5) #5 E.W. TOP & BTM.	A
F96	8' - 0"	8' - 0"	12"	(9) #6 E.W. TOP & BTM.	A



INTERIOR WALL TYPES



EXTERIOR WALL TYPES

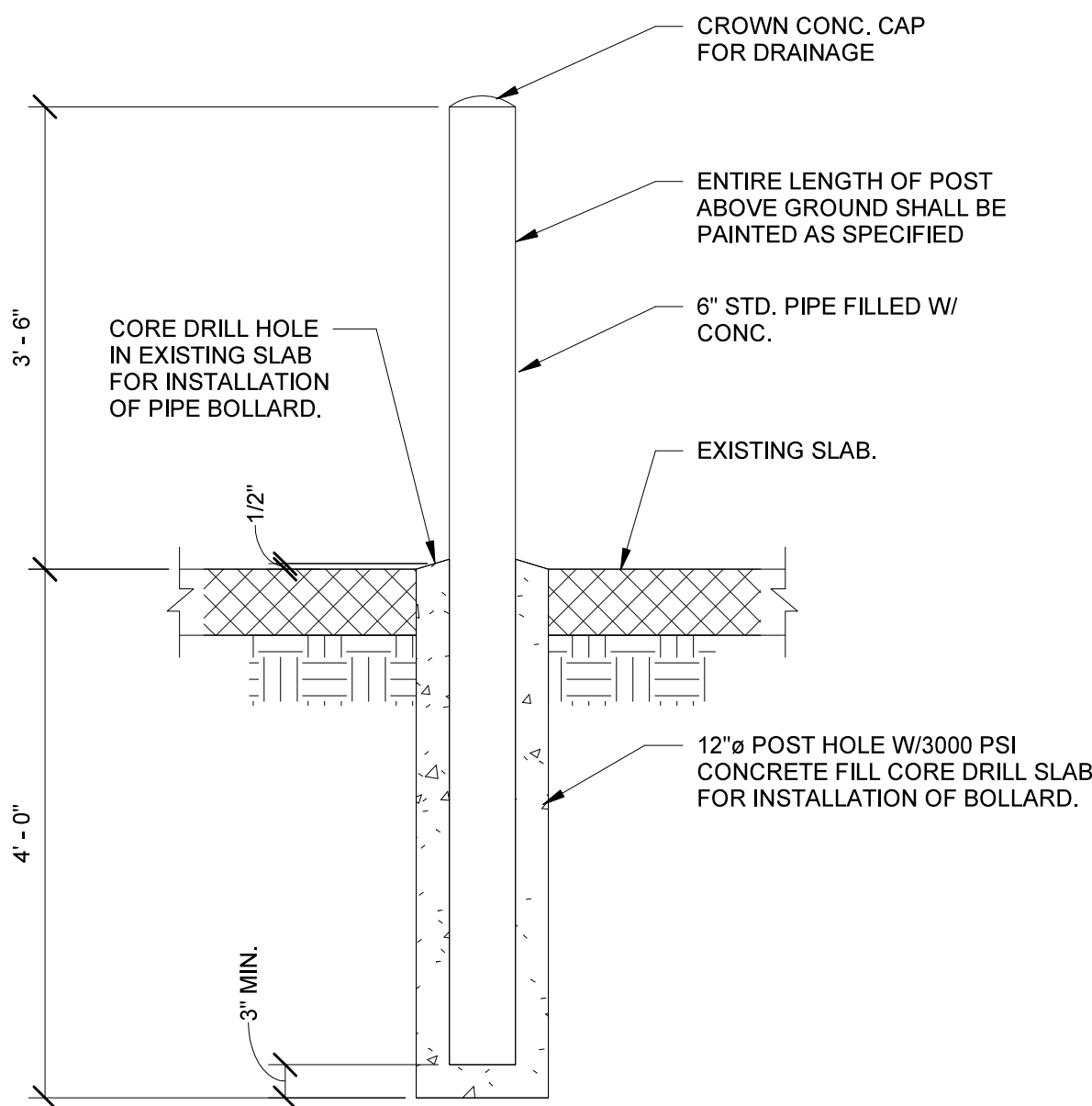


MEZZANINE PLAN

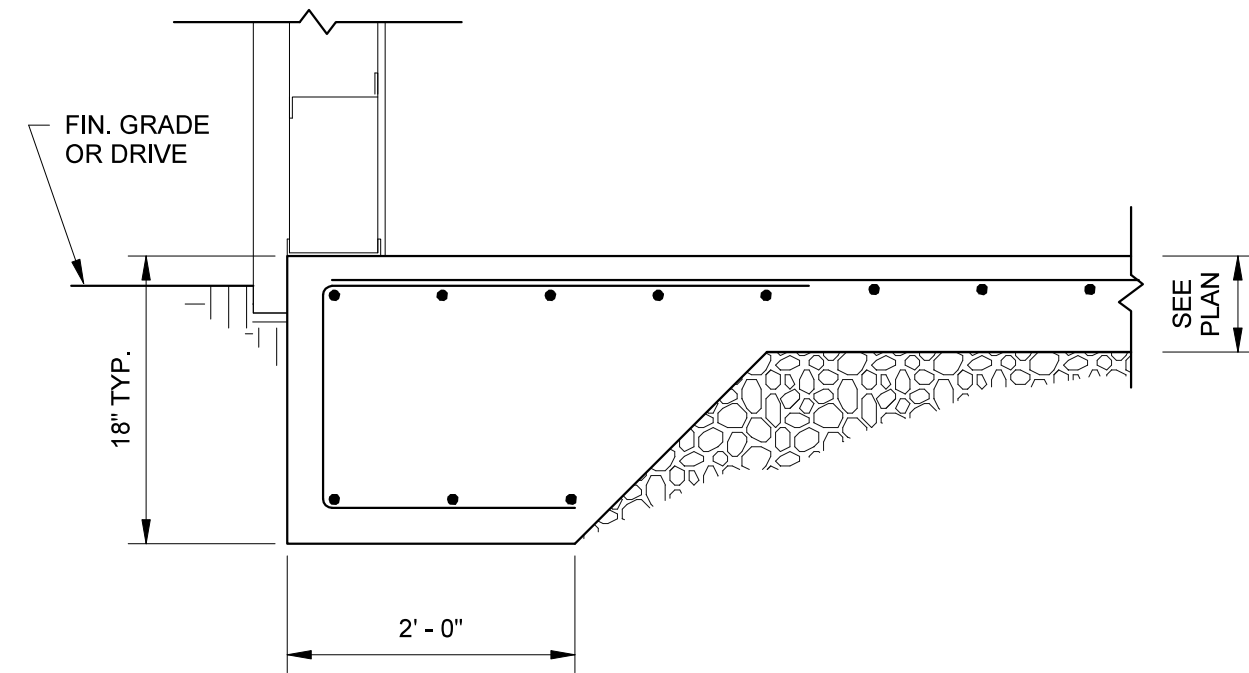
- 1/4" = 1'-0"
- NOTES:
- MEZZANINE TO BE DESIGNED BY P.E.M.B. MANUF.
 - MEZZANINE TO BE DESIGNED FOR THE FOLLOWING:
 - a) 60 PSF LIVE LOAD ALLOWANCE
 - b) 18 PSF COLLATERAL LOAD ALLOWANCE
 - c) APPROPRIATE DEAD LOADS FOR FRAMING AND CONCRETE DECK.
 - SEE PLUMBING DWGS. FOR REQ'D. PENETRATIONS.
 - A MINIMUM CEILING HEIGHT OF 8'-0" SHALL BE MAINTAINED UNDERNEATH MEZZANINE.

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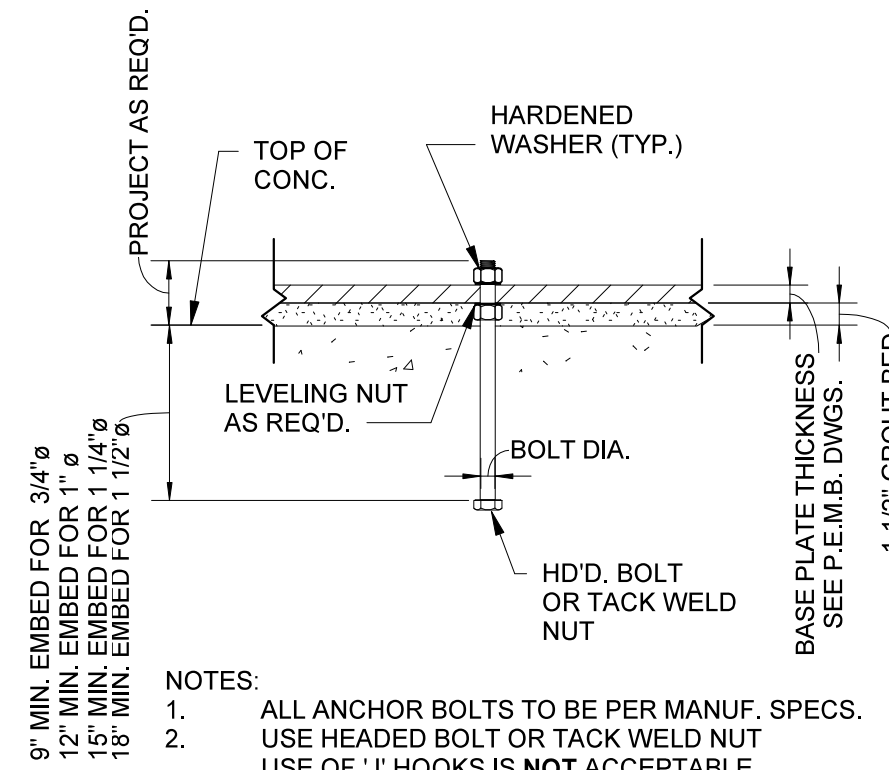
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REVISIONS	DESCRIPTION	BY	DATE
TDOT HENDERSON COUNTY MAINTENANCE BUILDING		370 ROCK MILAM ROAD CEDAR GROVE, TN 38321	
CONSTRUCTION		AUGUST 18, 2023	
FIELD SET		PROJECT# 2024-04-17-10	
Wold		HFR DESIGN	
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SSR		Smith Seckman Reid, Inc.	
2650 Thousand Oaks Boulevard, Suite 4200 Memphis, TN 38118 (901) 683-3900 FAX: (901) 683-3990 www.ssr-inc.com SSR Project #:		-	
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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION			
MEZZANINE PLAN			
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SHEET 17 OF 34			



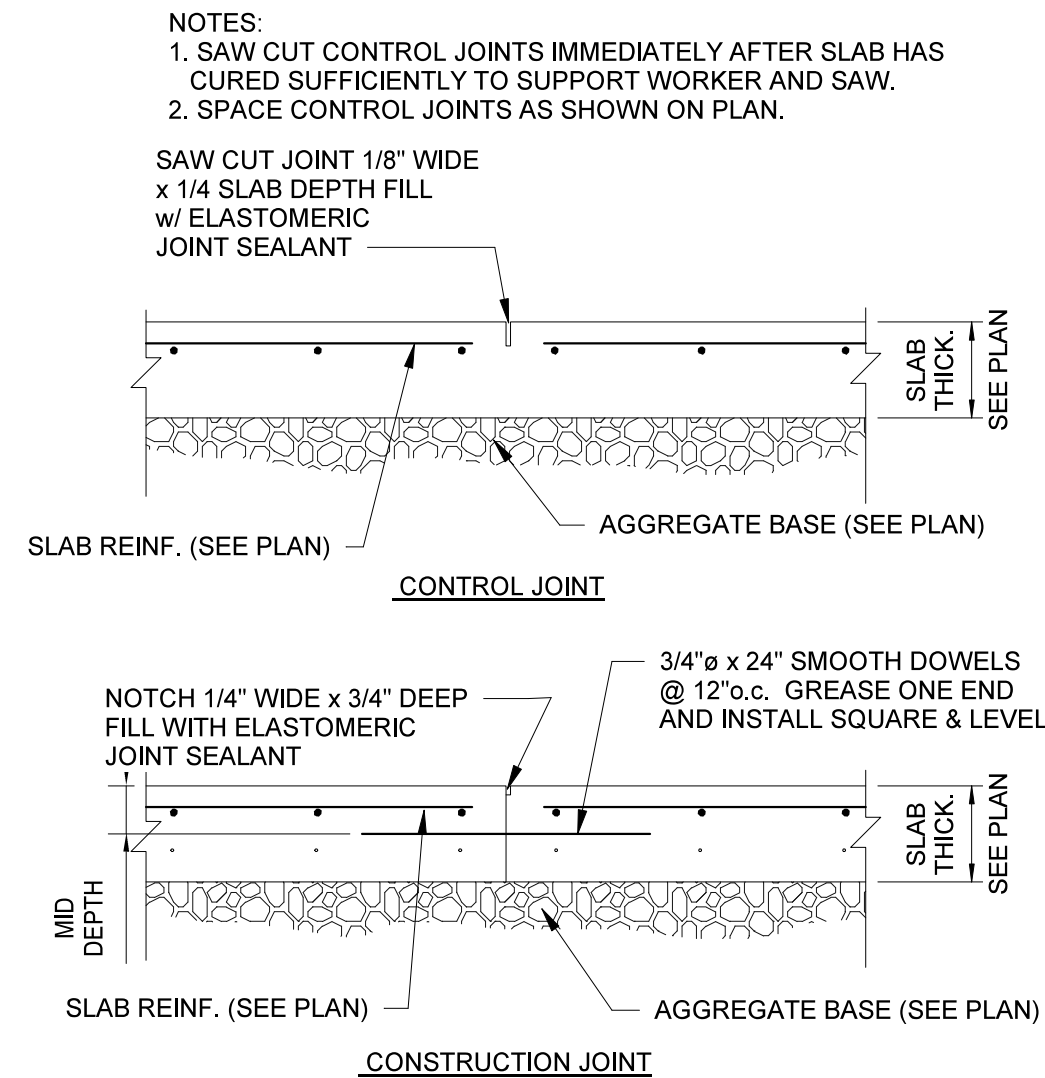
1 PIPE BOLLARD DETAIL
3/4" = 1'-0"



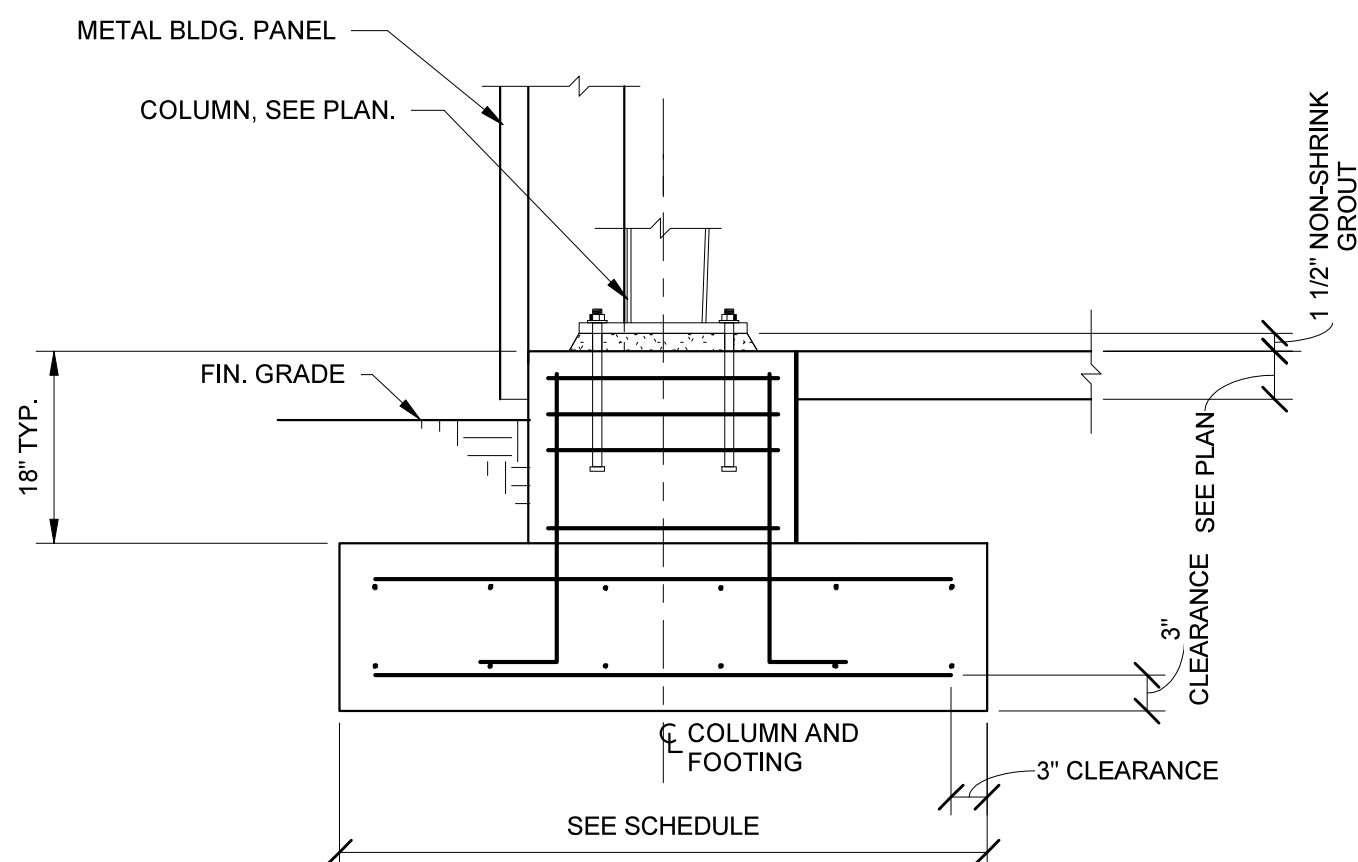
2 TYP. TURNED DOWN SLAB
3/4" = 1'-0"



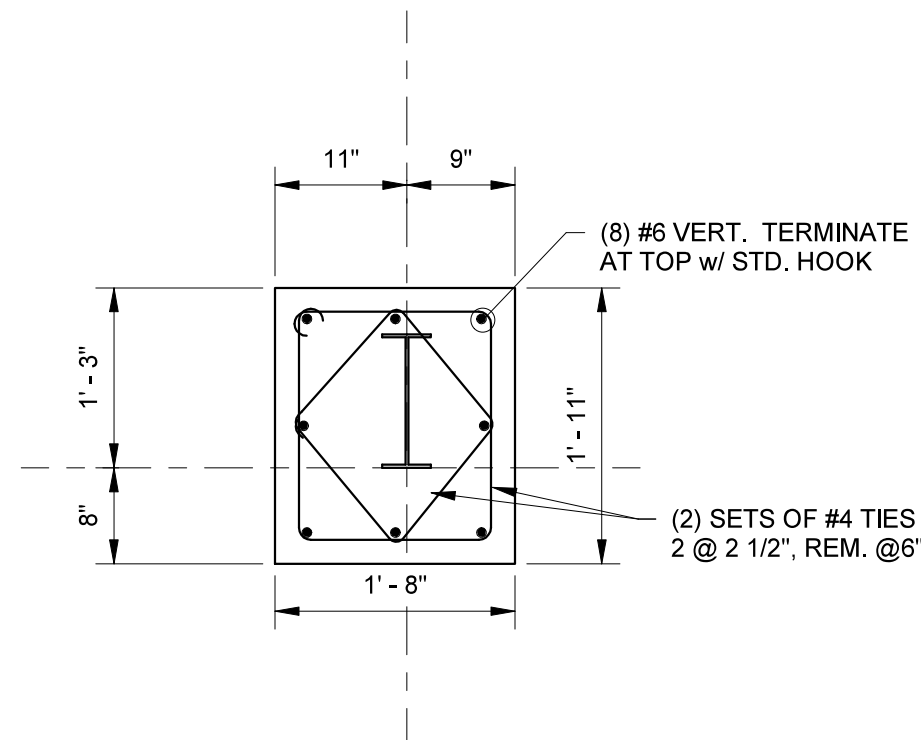
3 METAL BLDG. ANCHOR BOLT DETAIL
3/4" = 1'-0"



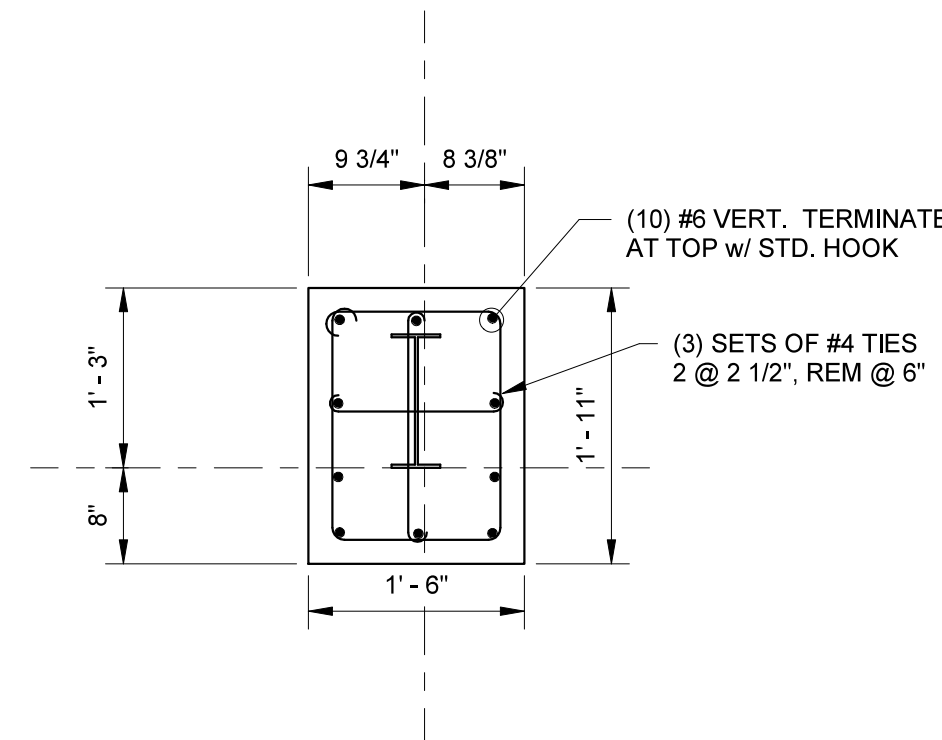
4 TYP. SLAB ON GRADE JOINTS
3/4" = 1'-0"



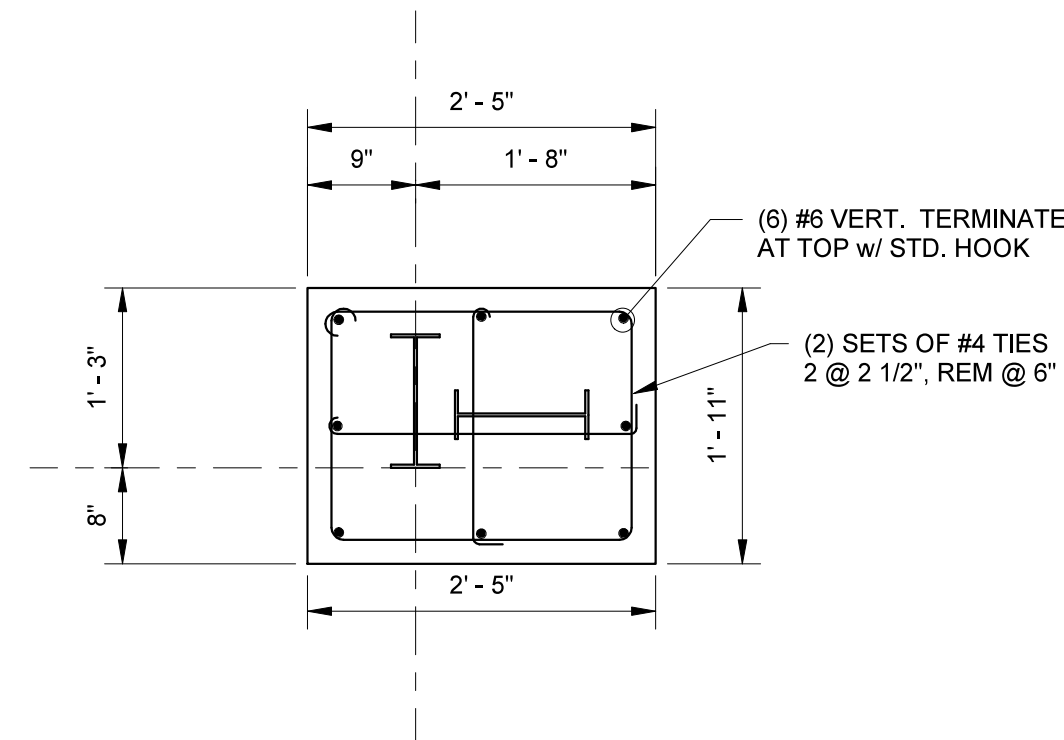
5 TYPICAL COLUMN FOOTING
3/4" = 1'-0"



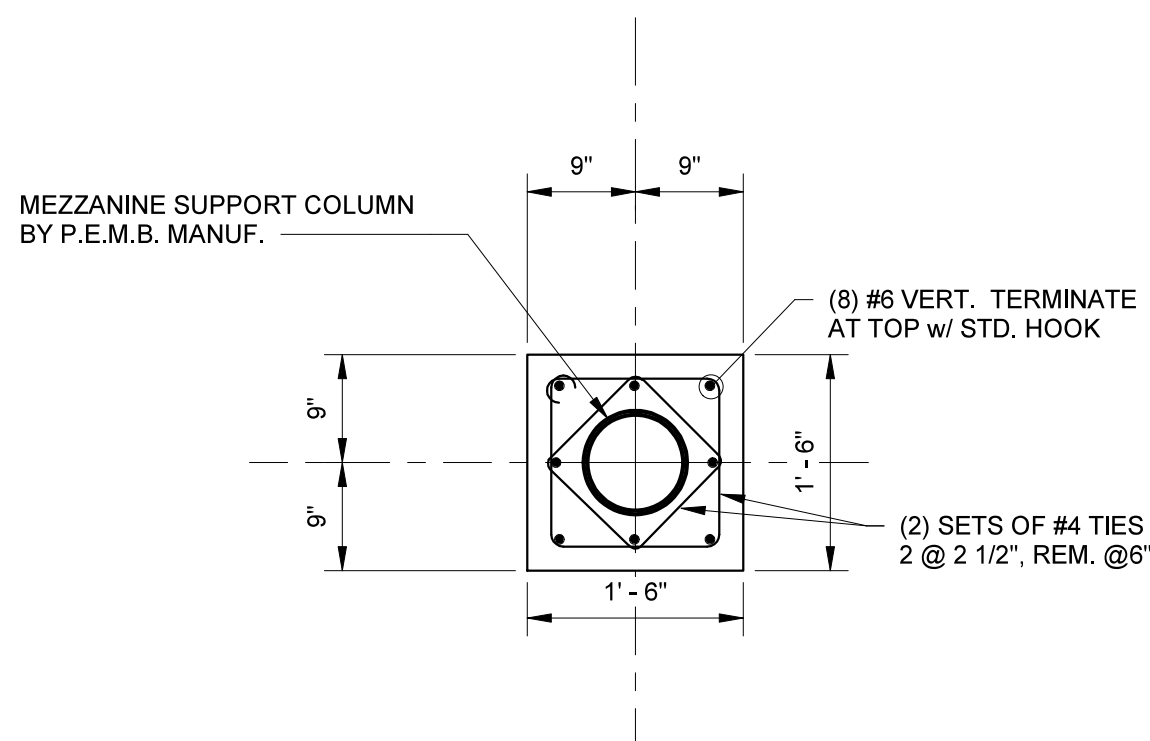
6 PEDESTAL P1
3/4" = 1'-0"



7 PEDESTAL P2
3/4" = 1'-0"



8 PEDESTAL P3
3/4" = 1'-0"



9 PEDESTAL P4
3/4" = 1'-0"

THESE PLANS AND SPECIFICATIONS ARE REQUIRED TO BE KEPT ON THE JOB SITE OCCUPANCY OR PROJECT COMPLETION. THIS OFFICE IS ISSUED BY THE ARCHITECT. No alterations, deletions, additions or modifications of any kind are allowed without the written approval of the architect. TENNESSEE STATE FIRE MARSHAL'S OFFICE

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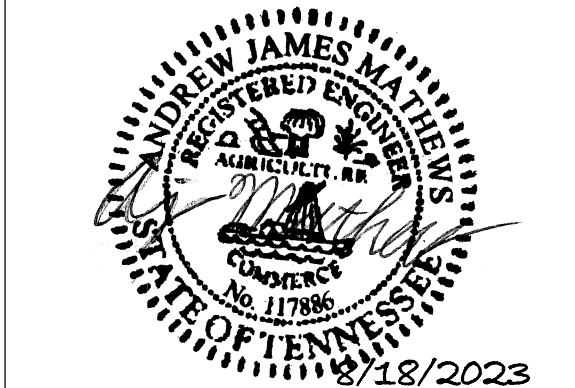
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STATE OF TENNESSEE
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SECTIONS AND
DETAILS

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MECHANICAL SPECIFICATIONS

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PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS:

A. REFER TO PART 1 GENERAL FOR:

- COORDINATION
- WORKMANSHIP, MATERIALS AND EQUIPMENT
- MANUFACTURER'S RECOMMENDATIONS
- PROTECTION OF WORK
- UTILITY CONNECTIONS
- PATCHING
- PAINTING IDENTIFICATION
- ADJUSTMENTS
- CONTRACTORS TEST AND BALANCE
- CLEAN-UP

3.2 LOW VELOCITY DUCTWORK:

- A. FOLLOW RECOMMENDATION OF ASHRAE "HANDBOOK", SMACNA "LOW PRESSURE DUCT CONSTRUCTION METHODS", AND THE DRAWINGS.
- B. UNLESS INDICATED OTHERWISE ON DRAWINGS ALL LOW PRESSURE DUCTWORK FOR 2" W.C. PRESSURE.
- C. SEAL ALL JOINTS BY DIPPING IN HARD CAST TAPE DT-5400 IN HARD CAST ACTIVATOR RTA 50 AND THEN WRAPPING AROUND AND OVER THE JOINTS.
- D. TRANSVERSE JOINT SYSTEMS MANUFACTURED BY DUCTMATE OR EQUAL ARE ACCEPTABLE.
- E. IN GENERAL, VERTICAL RISERS AND OTHER DUCT RUNS WHERE THE METHOD OF SUPPORT SPECIFIED ABOVE IS NOT APPLICABLE SHALL BE SUPPORTED BY SUBSTANTIAL ANGLE BRACKETS DESIGNED TO MEET FIELD CONDITIONS AND INSTALLED TO ALLOW FOR DUCT EXPANSION.
- F. WHERE DUCTS PASS THROUGH WALLS, FLOORS OR PARTITIONS, THE EDGES SHALL BE PACKED WITH MINERAL FIBER OR OTHER NON-COMBUSTIBLE MATERIAL. AFTER HOLE IS FILLED, PROVIDE SHEET METAL COLLAR AROUND THE DUCT TO COVER THE ROUGH OPENING.
- G. VOLUME DAMPERS SHALL BE INSTALLED WHERE BRANCHES TAKE-OFF FROM MAIN TRUNK DUCTWORK, WHERE DUCTS DIVIDE, OR WHERE SHOWN ON THE PLANS.
- H. PROVIDE FLEXIBLE CONNECTIONS AT ALL CONNECTIONS BETWEEN DUCTS AND FANS OR CASINGS.

- I. DAMPERS: PROVIDE ACCESSIBLE VOLUME DAMPERS IN BRANCH DUCTS, CONNECTIONS TO GRILLES, AND OTHER PLACES WHERE NECESSARY TO BALANCE THE AIRFLOW, WHETHER SHOWN ON PLANS OR NOT.
- J. FIRE STOPPING SHALL BE PROVIDED AT ALL DUCT PENETRATIONS OF FIRE RATED WALLS, PARTITIONS, FLOORS, ROOFS, OR OTHER RATED BUILDING ASSEMBLIES. PROVIDE GROUT TO FILL OPENINGS IN HOLLOW MASONRY AROUND WALL OPENINGS. PROVIDE SHEET METAL SLEEVE AT OTHER HOLLOW WALL OR PARTITIONS. PACK OPENING BETWEEN DUCT AND SLEEVE OR OPENING ON ALL SIDES WITH FIREPROOF MINERAL WOOL AND CAULK EACH SIDE WITH NON-COMBUSTIBLE CALKING COMPOUND.

3.3 REGISTERS AND DIFFUSERS:

- A. CEILING DIFFUSERS SHALL BE INSTALLED IN MANNER RECOMMENDED FOR THE TYPE CEILING IN WHICH INSTALLED. ALL SHALL BE CENTERED GEOMETRICALLY IN CEILING ELEMENTS WITH SIDES PARALLEL TO WALLS AND PARTITIONS. PROVIDE SUPPORTS ABOVE CEILING WHERE REQUIRED TO SUPPORT OUTLET WEIGHT AND TO PULL SURFACE FLANGES FLUSH TO CEILING. INSULATE TOPS OF DIFFUSERS AND REGISTERS ABOVE CEILING IN NON PLENUM RETURN CEILING SPACES.

3.4 >OMITTED<

3.6 SLEEVES:

- A. PIPES PASSING THROUGH WALLS, PARTITIONS, FLOORS OR ROOFS SHALL BE PROTECTED BY STEEL SLEEVES THROUGH FULL THICKNESS OF CONSTRUCTION. ALLOW 1/2 INCH CLEARANCE AROUND PIPE OR COVERING AND TERMINATE FLUSH WITH FINISH SURFACE EXCEPT IN ROOMS CONTAINING FLOOR DRAINS OR IN WATERPROOF FLOORS. SLEEVES IN FLOORS WITH DRAINS SHALL TERMINATE 1-1/2 INCHES ABOVE THE FLOOR. SLEEVES IN WATERPROOFED SLABS SHALL EXTEND SUFFICIENTLY SO WATERPROOFING CAN BE FLASHED AROUND THE SLEEVE.
- B. SLEEVES IN NON-BEARING PARTITIONS, OR NON-LOAD BEARING WALLS MAY BE 22 GAUGE SHEET STEEL OR HOLE-OUTS. IN BEARING WALLS, WATERPROOFED FLOORS, OR ROOFS, THEY SHALL BE SCHEDULE 40 STEEL PIPE WITH FINISHED ENDS.
- C. CAULK SLEEVES IN FLOOR WITH FIREPROOF MINERAL WOOL AND SEAL ENDS WITH FIREPROOF CALKING COMPOUND TO SEAL SPACE BETWEEN PIPE OR COVERING, AND THE SLEEVE. SLEEVES IN ROOF SHALL BE FLASHED AND MADE WATERTIGHT. PACK SLEEVES PASSING THROUGH FIRE WALLS OR FIRE RATED FLOORS WITH FIREPROOF MINERAL WOOL AND SEAL ENDS WITH NON-HARDENING FIREPROOF CALKING COMPOUND.
- D. SLEEVES SHALL BE INSTALLED AND SECURELY FASTENED IN THEIR PROPER POSITION BY EACH SPECIALTY CONTRACTOR FOR HIS OWN WORK, WHO SHALL BE RESPONSIBLE FOR FINAL LOCATION.

3.7 ESCUTCHEONS:

- A. PROVIDE CHROME PLATED METAL ESCUTCHEONS WITH FASTENING DEVICES ON ALL PIPES PASSING THROUGH FINISHED WALL SURFACES AND FINISHED CEILING SURFACES. PROVIDE WITH SET SCREWS. SPACES WHICH ARE PAINTED, paneled OR HAVING OTHER DECORATIVE WALL FINISH SHALL BE CONSIDERED "FINISHED ROOMS".

3.8 UNIONS:

- A. UNIONS BETWEEN PIPING OF DIFFERENT MATERIALS SHALL BE PROVIDED WITH DIELECTRIC UNIONS OR FLANGES.

3.9 VALVES:

- A. SHUTOFF VALVES SHALL ALSO BE INSTALLED IN BRANCH LINES TO RISERS DROPPING IN WALLS, PARTITIONS, OR CHASES. VALVES SHALL HAVE PAD LOCK FEATURE
- B. ALL VALVES DESIGNED FOR SOLDERING SHALL BE PROTECTED FROM HEAT AS RECOMMENDED BY MANUFACTURER TO PROTECT SEALS.

3.10 PIPE IDENTIFICATION:

- A. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION AND SECURING LABELS AND FLOW ARROWS TO PIPING.

3.11 HANGERS AND SUPPORTS:

- A. FURNISH ALL MATERIALS REQUIRED FOR THE PROPER SUPPORT OF EQUIPMENT AND PIPING INSTALLED HEREIN. EACH HANGER SHALL BE SUITABLE TO MEET THE STRUCTURAL, TEMPERATURE, PIPE MATERIAL AND EXPANSION CONDITIONS ENCOUNTERED. SELECTION AND APPLICATION SHALL BE IN ACCORDANCE WITH ANS/MSS SP-69.
- B. CLAMPS, INSERTS, BOLTS, CHANNEL AND ANGLE IRON, RACKS, ROLLERS, ETC., SHALL BE FURNISHED FOR PIPING AND EQUIPMENT SUPPORTS AS REQUIRED. ALL HANGER AND SUPPORT COMPONENTS SHALL BE ADEQUATE FOR THE LOADS INVOLVED.
- C. VERTICAL PIPING SHALL BE SUPPORTED WITH RISER CLAMPS OR OTHER SATISFACTORY MEANS AS DICTATED BY THE PARTICULAR SITUATION AND AS RECOMMENDED BY THE HANGER MANUFACTURER. SPECIAL SITUATIONS SHALL BE TAKEN CARE OF AS DICTATED BY GOOD PRACTICE. BASE OF EACH STACK SHALL BE SUPPORTED WITH CONCRETE BASE SUPPORT.
- D. EQUIPMENT SHALL BE SUPPORTED ADEQUATELY WITH ALL BRACING, FOUNDATIONS, ANGLES, CHANNELS, HANGERS, ETC.
- E. SPECIALLY DESIGNED HANGERS SHALL BE FABRICATED AND INSTALLED PER ANS/MSS SP-89.

3.12 EXPANSION AND CONTRACTION:

- A. ALL PIPING SHALL BE INSTALLED SO AS TO BE FREE FROM STRESS, STRAINS AND DISTORTIONS BY EXPANSION OR CONTRACTION. EXPANSION AND CONTRACTION SHALL BE TAKEN UP BY OFFSETS IN PIPING WITH REQUIRED ANCHORS, EXPANSION LOOPS AND JOINTS, ETC., ALL TO MEET WITH GOOD ACCEPTED PRACTICES, WHETHER SPECIFICALLY INDICATED OR NOT. INSTALL ANCHORS OF SUITABLE DESIGN AND ADEQUATE STRENGTH FOR GUIDANCE OF PIPING SUBJECTED TO EXPANSION AND CONTRACTION DUE TO TEMPERATURE CHANGES. ANCHORS SHALL BE SECURELY ATTACHED TO THE BUILDING FRAME.

3.13 HANGER LOCATIONS:

- A. HANGER LOCATIONS FOR GENERAL SERVICE STEEL AND COPPER PIPING SHALL NOT EXCEED A DISTANCE OF 2 FEET 6 INCH FROM A POINT OF CHANGE IN PIPING DIRECTION AND SHALL BE SPACED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

1. INSULATED PIPE WITH VAPOR JACKET:

PIPE SIZE	MAXIMUM SPACING	
	STEEL PIPE	COPPER PIPE
1" AND SMALLER	10	5
1-1/4" TO 2-1/2"	10	8
3" AND LARGER	10	10

2. UNINSULATED PIPE:

PIPE SIZE	STEEL PIPE		COPPER PIPE	
	WATER SERVICE	VAPOR SERVICE	WATER SERVICE	VAPOR SERVICE
1/2" AND SMALLER	7	8	5	6
3/4"	7	9	5	7
1"	7	9	6	8
1-1/4"	7	9	7	9
1-1/2"	9	12	8	10
2"	10	13	8	11
2-1/2"	11	14	9	13
3"	12	15	10	14
4"	14	17	12	16
6" AND LARGER	17	21	14	20

ADDITIONAL SUPPORTS SHALL BE PROVIDED AT ALL CHANGES OF DIRECTION AND FOR CONCENTRATED LOADS SUCH AS VALVES.

- B. HANGERS SHALL BE SUSPENDED FROM MILD STEEL RODS SIZED IN ACCORDANCE WITH THE FOLLOWING TABLE:

PIPE SIZE (INCHES)	ROD DIAMETER (INCHES)
2 OR SMALLER	3/8
2-1/2 TO 3	1/2
4 TO 5	5/8
6 AND LARGER	3/4

3.14 AS-BUILT DRAWINGS:


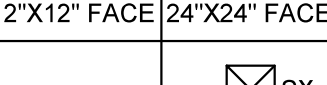
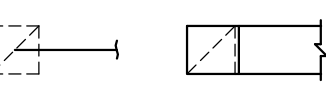

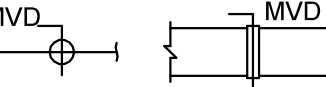

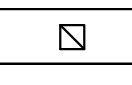
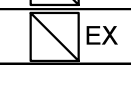
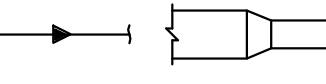


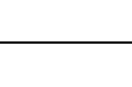
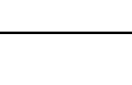
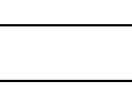
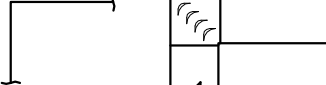
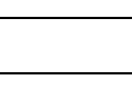
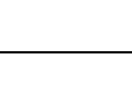
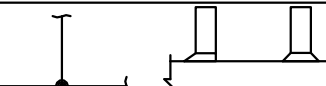

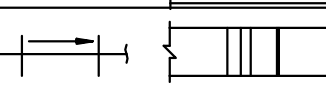
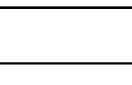
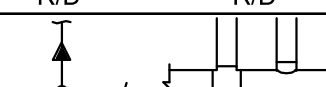
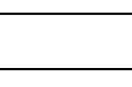
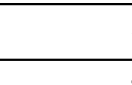
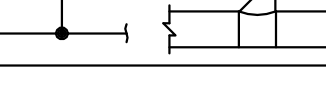
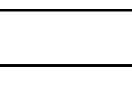
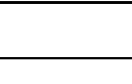

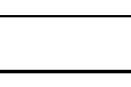
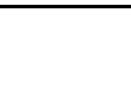

- A. MAKE ALL NECESSARY MEASUREMENTS OF THE ACTUAL INSTALLED LOCATIONS OF THE INSTALLED SYSTEMS AND COMPONENTS AS THE WORK PROGRESSES AND KEEP ACCURATE RECORDS OF THESE FIELD MEASUREMENTS. SHOW LOCATIONS BY DIMENSION FROM PERMANENT, READILY IDENTIFIABLE REFERENCE POINTS SUCH AS BUILDING WALLS, COLUMNS, ETC., UPON COMPLETION OF THE PROJECT. DELIVER TO THE OWNER MARKED TRACINGS SHOWING THE ACTUAL INSTALLED LOCATIONS, DEPTHS AND SIZES OF ALL INSTALLED COMPONENTS.

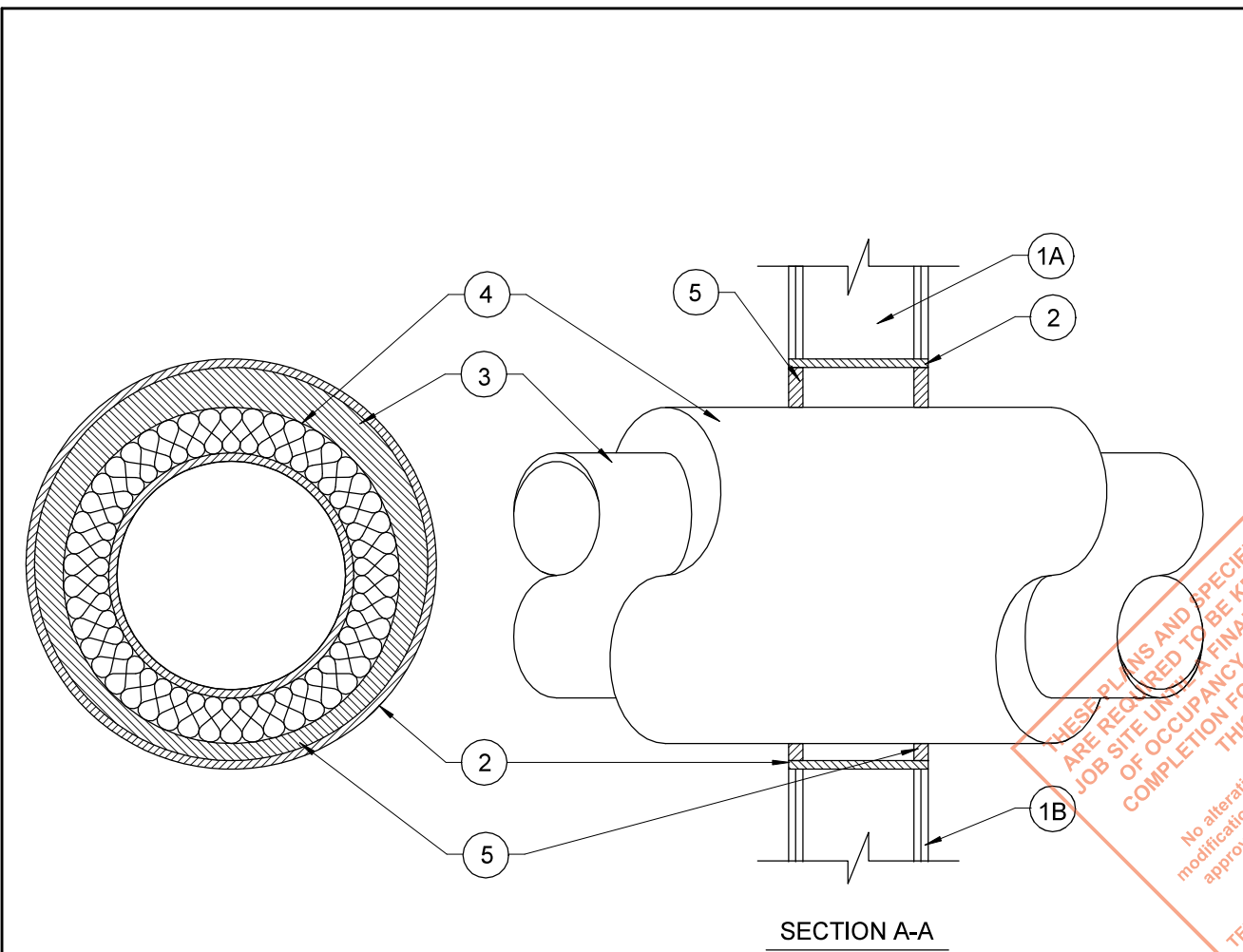
MECHANICAL GENERAL NOTES

- A. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT SCOPE, UTILITY CONNECTIONS, AND ALL BUILDING SERVICES.
- B. STANDARD DETAILS ILLUSTRATED ON THE DRAWINGS SHALL BE APPLIED IN ALL CASES WHERE THE FEATURE OCCURS IN THE SYSTEM DESIGN.
- C. MAJOR EQUIPMENT SHOWN ON THE PLANS AND ELEVATIONS ILLUSTRATE THE GENERAL ARRANGEMENT AND SPACE ALLOCATIONS. THE CONTRACTOR SHALL VERIFY THE SPACE REQUIREMENTS FOR EACH SYSTEM COMPONENT USING MANUFACTURER CERTIFIED SHOP DRAWINGS AND MAKE THE NECESSARY ADJUSTMENTS IN EQUIPMENT PLACEMENT AND CONNECTION IN ORDER TO ACCOMMODATE THE EXACT EQUIPMENT TO BE INSTALLED.
- D. SUPPORTS, ANCHOR BOLTS, AND HANGERS FOR ALL EQUIPMENT SPECIFIED IN DIVISION 23 SHALL CONFORM TO THE SPECIFICATIONS. MISCELLANEOUS STEEL BRACING SUPPORTS AND REINFORCING STEEL NEEDED TO SUPPORT EQUIPMENT SPECIFIED IN DIVISION 23 SHALL BE PART OF THE SCOPE OF WORK OF DIVISION 23.
- E. DUCTWORK AND PIPING 4" AND LARGER ROUTED PARALLEL TO A RATED WALL SHALL BE INSTALLED WITH A MINIMUM 6" CLEARANCE TO ALLOW FOR INSPECTION OF WALL PENETRATIONS.
- F. DUCTWORK STORED ON-SITE AWAITING INSTALLATION SHALL REMAIN PROPERLY SEALED AND PROTECTED. OPEN ENDS OF DUCTWORK SHALL BE CAPPED AND SEALED AFTER INSTALLATION.
- G. DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES. REFER TO SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
- H. OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10 FEET AWAY FROM PLUMBING VENTS, EXHAUST VENTS, AND OTHER SOURCES OF NOXIOUS FUMES AND/OR ODORS. INTAKES SHALL BE A MINIMUM OF 36" ABOVE FINISHED ROOF AND 72" ABOVE FINISHED GRADE.
- I. EQUIPMENT CALLED FOR BY NAME AND MODEL NUMBER FORMS THE STANDARD FOR SELECTION. EQUIPMENT MEETING OR EXCEEDING THAT SPECIFIED MAY BE SUBMITTED FOR APPROVAL.

MECHANICAL LEGEND

(NOT ALL SYMBOLS MAY BE USED)

DUCTWORK			
SYMBOL / ABBREVIATION	DESCRIPTION	SYMBOL / ABBREVIATION	DESCRIPTION
	RECTANGULAR RETURN / EXHAUST DUCT - UP		12"X12" FACE 24"X24" FACE
	RECTANGULAR RETURN / EXHAUST DUCT - DOWN		SX
	MANUAL VOLUME DAMPER		RX
			EX
	TRANSITION		CFM
	RADIUS ELBOW		AD
			AFF
			BOD
	SQUARE THROAT ELBOW WITH TURNING VANES		BOP
			CS
	BRANCH DUCT CONNECTION RECTANGULAR OR ROUND BRANCH, RECTANGULAR TRUNK. MVD REQUIRED TO AIR DEVICES		MVD
			OA
	RISE/DROP IN ELEVATION		RA
			SA
	BRANCH DUCT CONNECTION CONICAL TEE AND TAP ROUND TRUNK.		SO
			SWR
	BRANCH DUCT CONNECTION BEVELED TEE, ROUND TRUNK, MVD REQUIRED TO AIR DEVICES.		SWG
			UNO
		WALL MOUNTED CONTROL DEVICES	
			Ⓢ
		THERMOSTAT OR TEMP SENSOR	



1. **Wall Assembly** The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. **Gypsum Board*** Nom 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the Fire Resistance Directory. Max dia. of openings is 14-1/2 in. for wood stud walls. Max dia. of opening is 18 in. for steel studs walls. **The hourly F and T Ratings of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.**

2. **Steel Sleeve** (Optional) Max 18 in. dia. Schedule 40 (or heavier) steel pipe sleeve inserted in nom 18 in. dia. circular opening core drilled through wall. Length of steel sleeve to be equal to thickness of wall.

3. **Through Penetrant** One metallic pipe or tubing installed concentrically or eccentrically within the firestop system. Pipe or tube to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tube may be used:

A. **Steel Pipe** Nom 12 in. dia. (or smaller) Schedule 40 (or heavier) steel pipe.
When steel pipe is used, T Rating is 1/2 hr.

B. **Copper Tube** Nom 6 in. dia. (or smaller) Type L (or heavier) copper tube.
When copper tube is used, T Rating is 1/2 hr and 1 hr when installed in 1 and 2 hr rated walls, respectively.

C. **Copper Pipe** Nom 6 in. dia. (or smaller) Regular (or heavier) copper pipe.
When copper pipe is used, T Rating is 1/2 and 1 hr when installed in 1 and 2 hr rated walls respectively.

System No. W-L-5096
F Ratings - 1 and 2 Hr (See Item 1 and 3)
T Ratings - 0, 1/2 and 1 Hr (See Items 1, 3 and 4)

4. **Pipe Covering*** Max. 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units, jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied SSL tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. When pipe covering thickness is less than 2 in., T Rating is 0 hr.

See **Pipe and Equipment Covering-Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used. The annular space of the firestop system is dependent on the type and size of the through penetrant as shown in the table below:

Through Penetrant	Annular Space		
Type	Max. dia. In.	Min In.	Max In.
A	12	0	1/2
B or C	6	0	1-7/8

5. **Fill, Void or Cavity Material*-Sealant** Min 5/8 in. or thickness of fill material applied within annulus, flush with both surfaces of wall assembly for At point contact an additional 1/2 in. bead of sealant shall be applied to the insulated pipe/ wall interface.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-ONE Sealant
*Bearing the UL Classification Mark

PROJECT NO.	39999-3609-04
PIN NO.	131121.0
BY	
DATE	
REVISIONS	
DESCRIPTION	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321

PHASE
CONSTRUCTION

DATE
AUGUST 18, 2023

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

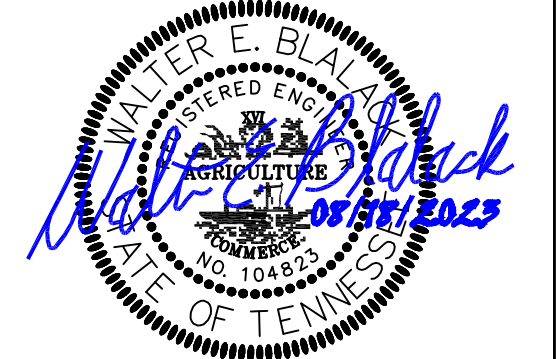
Wold **HFR** DESIGN

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SSR Project #: 22640620

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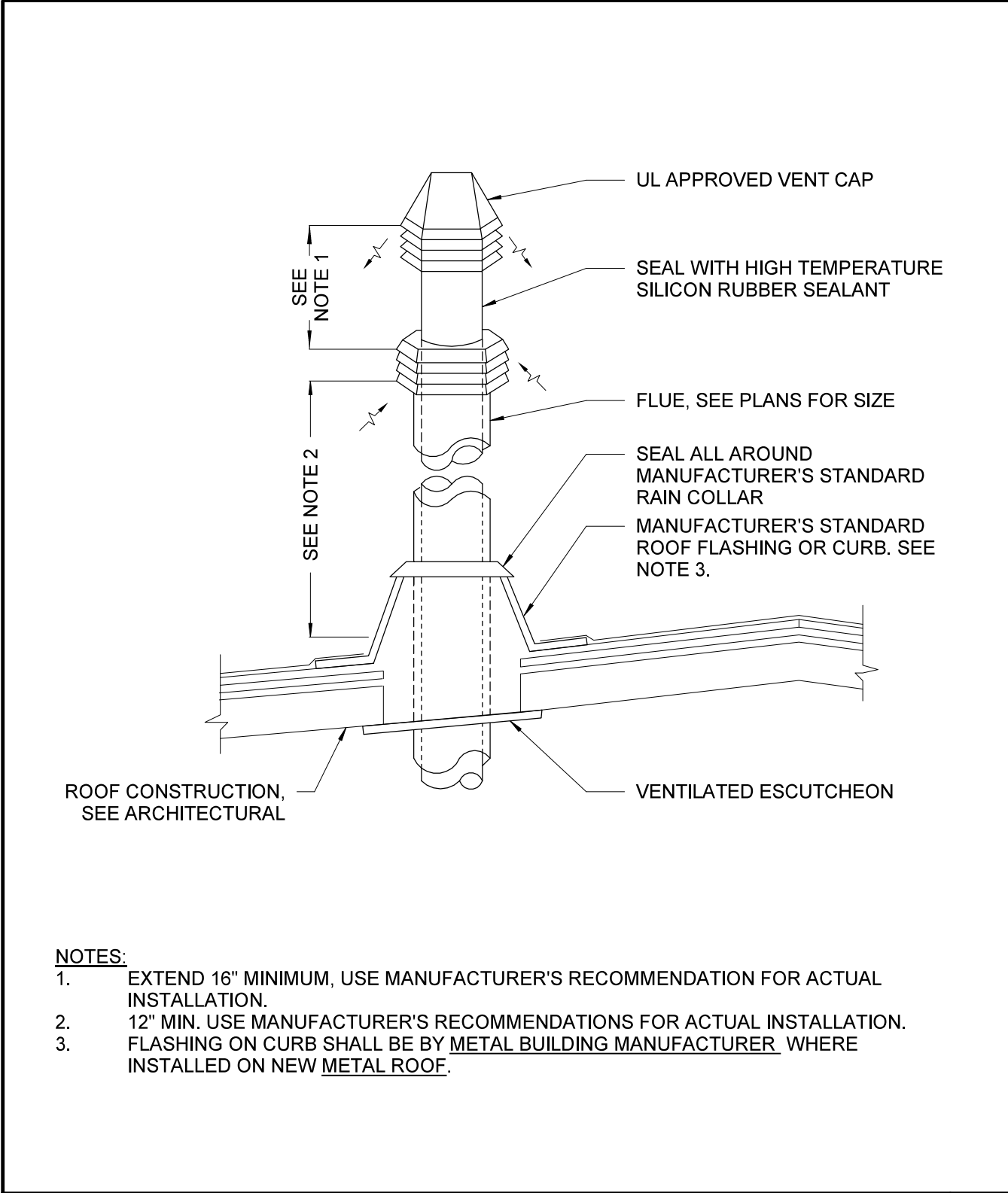


STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

MECHANICAL
SPECIFICATIONS

M0.2

SHEET 20 OF 34

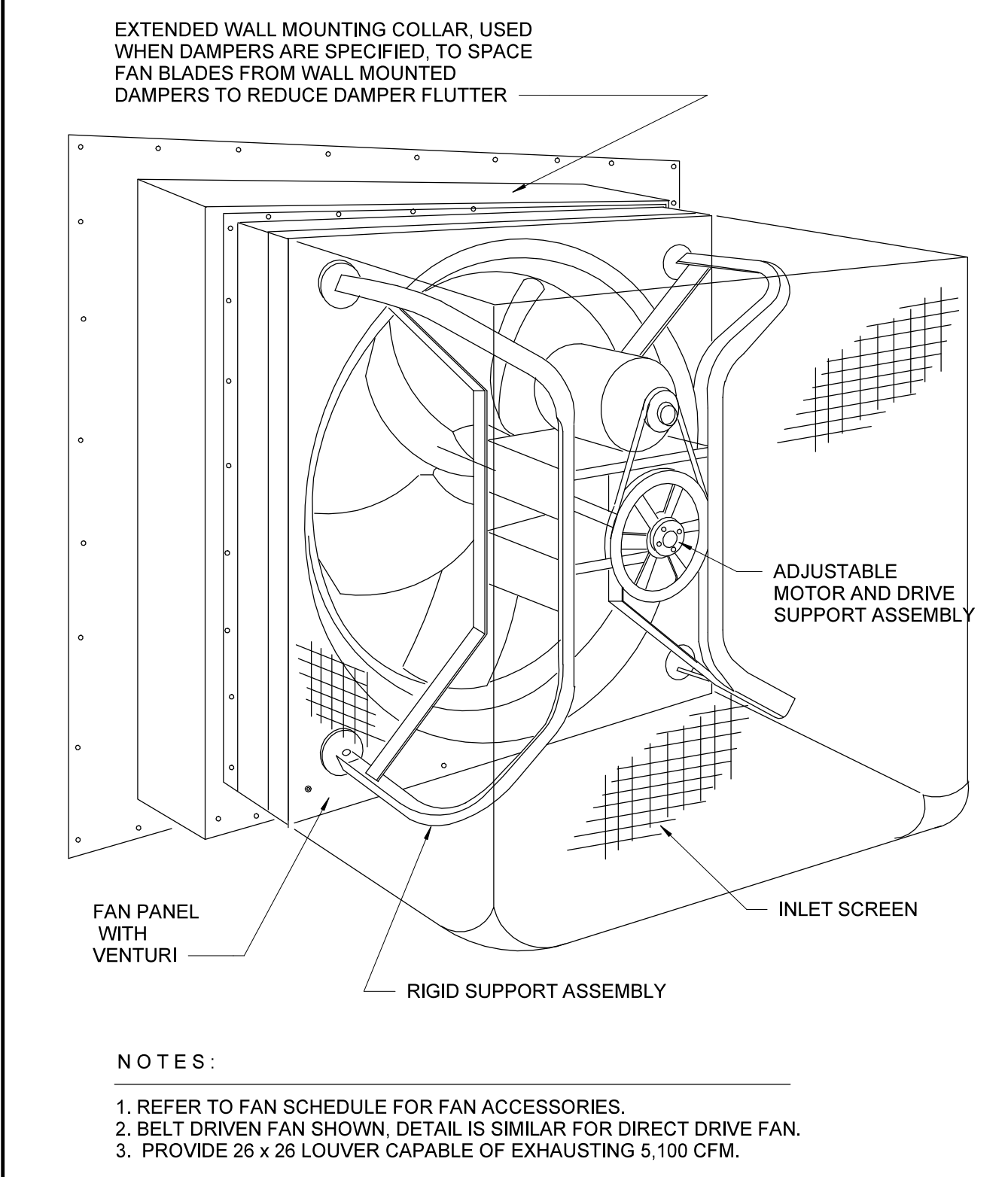
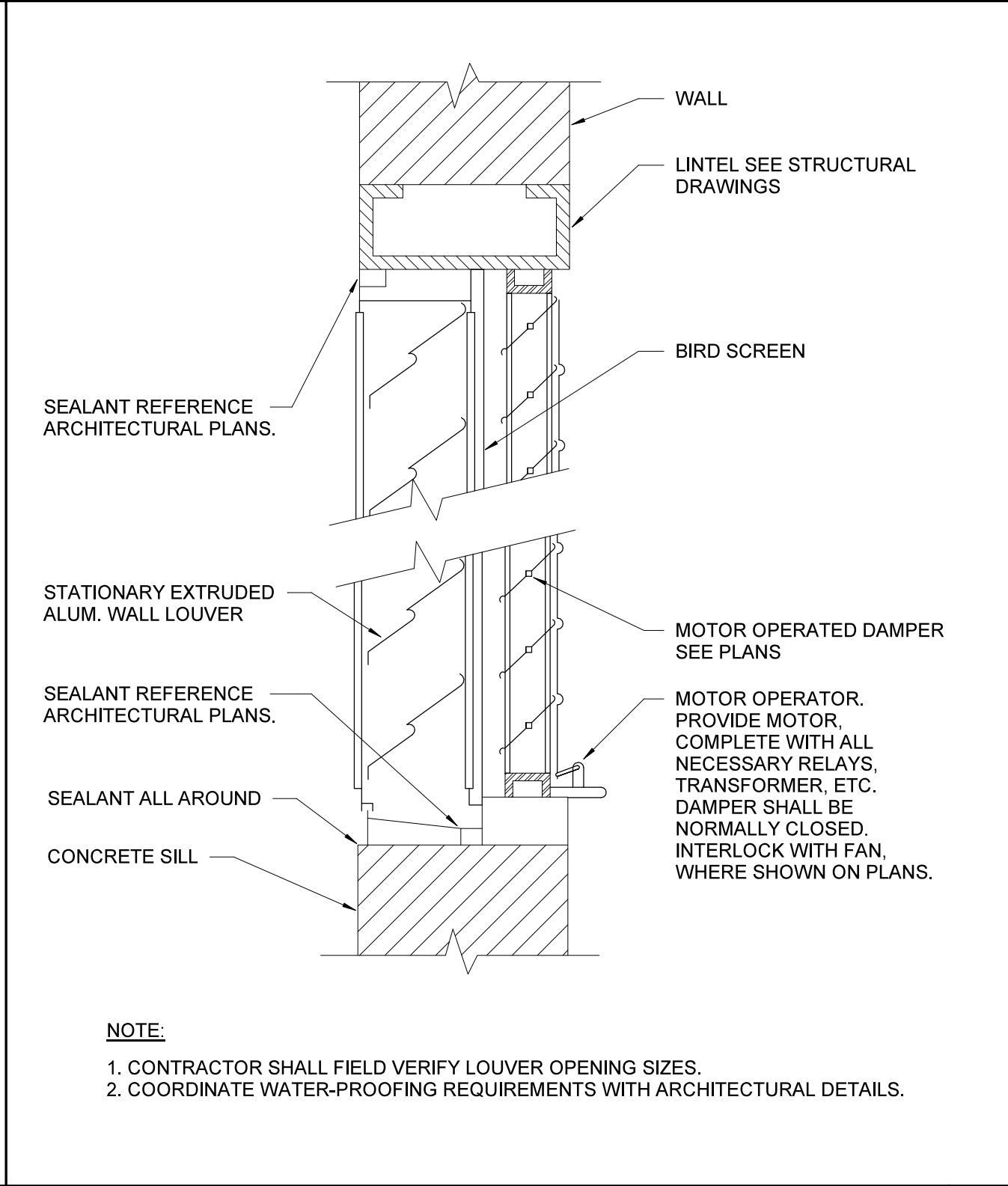


SEALED COMBUSTION FLUE THROUGH METAL BUILDING ROOF

01

WALL LOUVER AND DAMPER

02

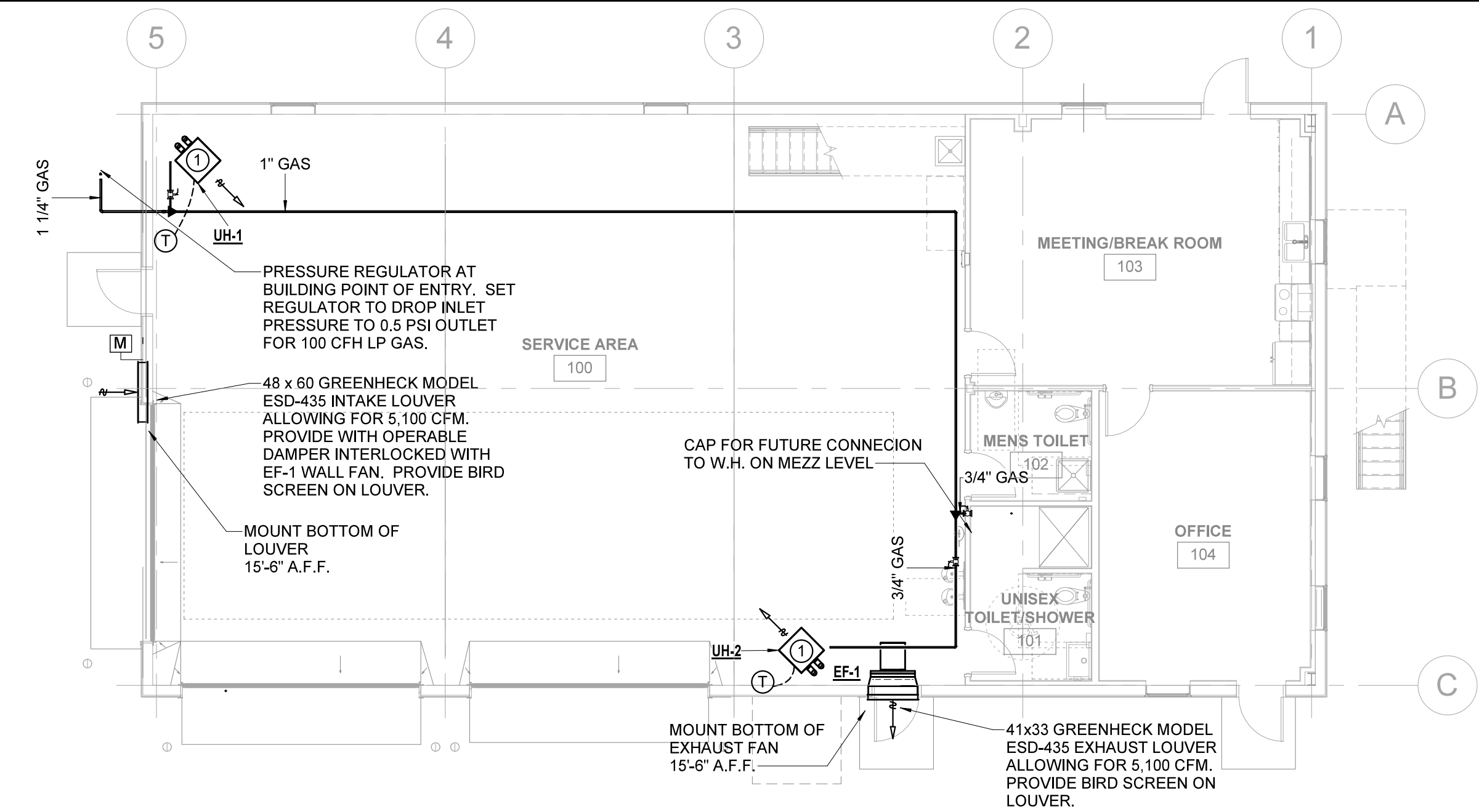
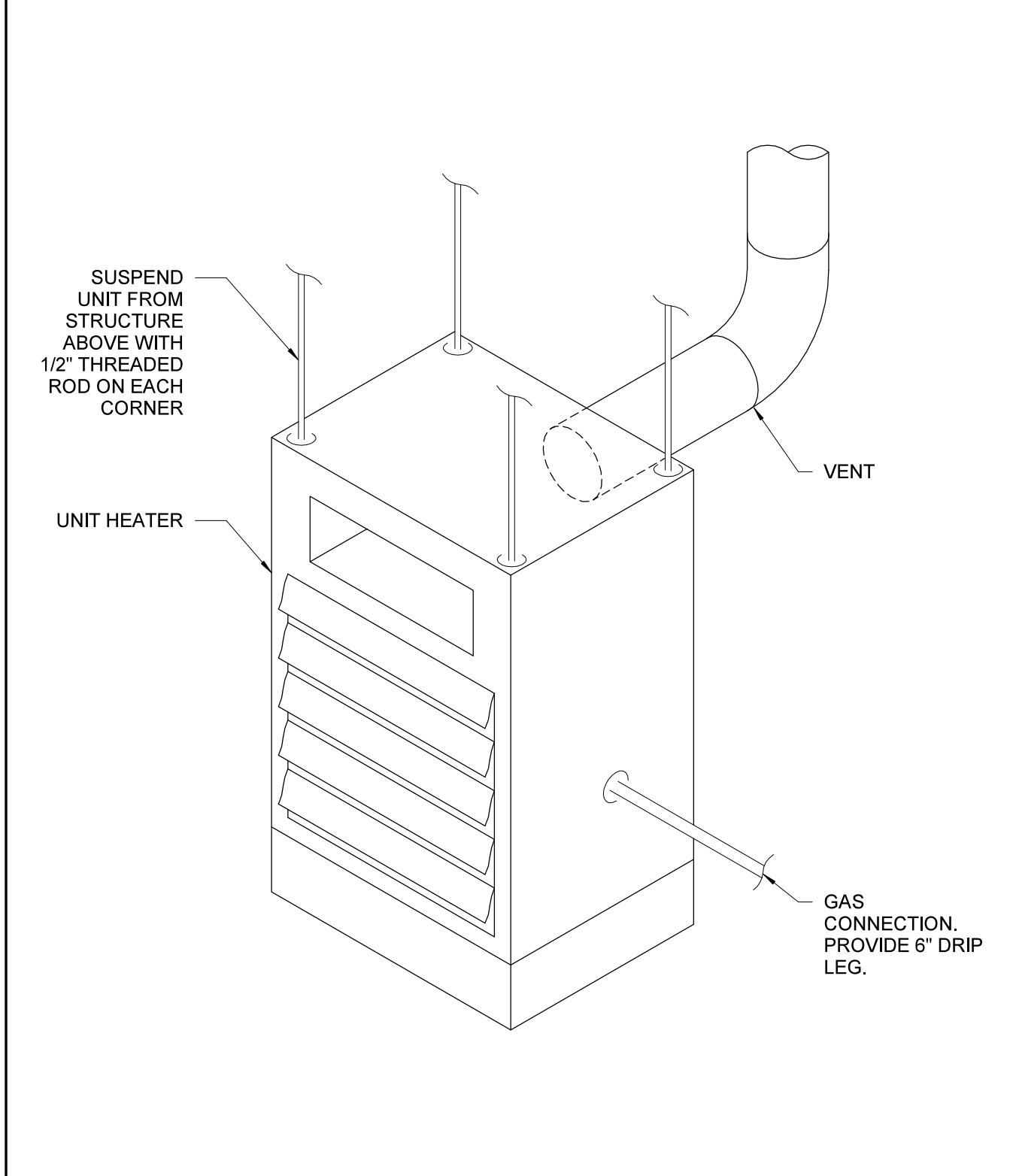


WALL MOUNTED PROPELLER FAN

03

GAS-FIRED UNIT HEATER

04

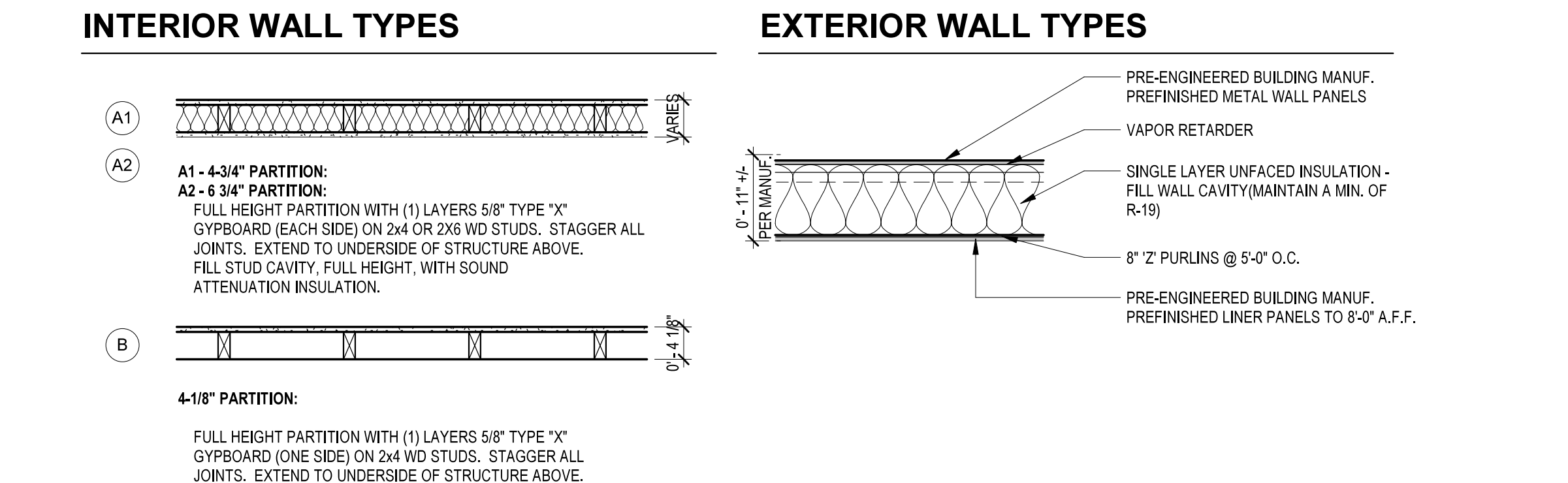


MECHANICAL PLAN - CORE & SHELL

1/8" = 1'-0"

SHEET KEYED NOTES

① PROVIDE WALL MOUNTED TSTAT AND CONCENTRIC VENT TERMINATION KIT. SIZE PER MANUFACTURERS RECOMMENDATION.



UNIT HEATER SCHEDULE												
GENERAL NOTES: 1. SEE SPECIFICATIONS. 2. PIPE CONNECTIONS SIZES PER PLANS. 3. SEE ELECTRICAL DRAWINGS FOR STARTER AND LOCATION.				UNIT TYPES: VERTICAL HORIZONTAL			MOTOR TYPES: PSC - PERMANENT SPLIT-CAPACITOR. ECM - ELECTRONICALLY COMMUTATED MOTOR.					
DESIGNATION	TYPE	MANUFACTURER	MODEL NUMBER	MIN. CAPACITY (BTUH)	CFM	KW	LP GAS INPUT (BTUH)	MOTOR		ELECTRICAL		
								HP	TYPE	VOLT/PH	FLA	MOC ^P
UH-1	LP GAS	REZNOR	UDX-75	0.0	961	0	75,000	0.06		115/1	3.3	15
UH-2	LP GAS	REZNOR	UDX-75	0.0	961	0	75,000	0.06		115/1	3.3	15

FAN SCHEDULE												
GENERAL NOTES:												
1. MOTOR H.P. SHALL COMPLY WITH ASHRAE 90.1.												
2. BHP SHALL BE NO GREATER THAN 90% OF THE MOTOR H.P.												
DESIGNATION	SERVICE	MANUFACTURER	MODEL NUMBER	TYPE	CFM	ESP (IN. WG)	MOTOR			MAX. SONES	ROOF / WALL OPENING	OPERATING WEIGHT (LBS)
							BHP	MIN. HP	RPM	VOLTAGE	PHASE	
EF-1	CORE	GREENHECK	AER-E30C-310-VG	PROP	5,100	0.5	---	2	1,725	240	1	27
												39.75x39.75
												319

PROJECT NO. 39999-3609-04
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CEDAR GROVE, TN 38321

DATE AUGUST 18, 2023
CONSTRUCTION
FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

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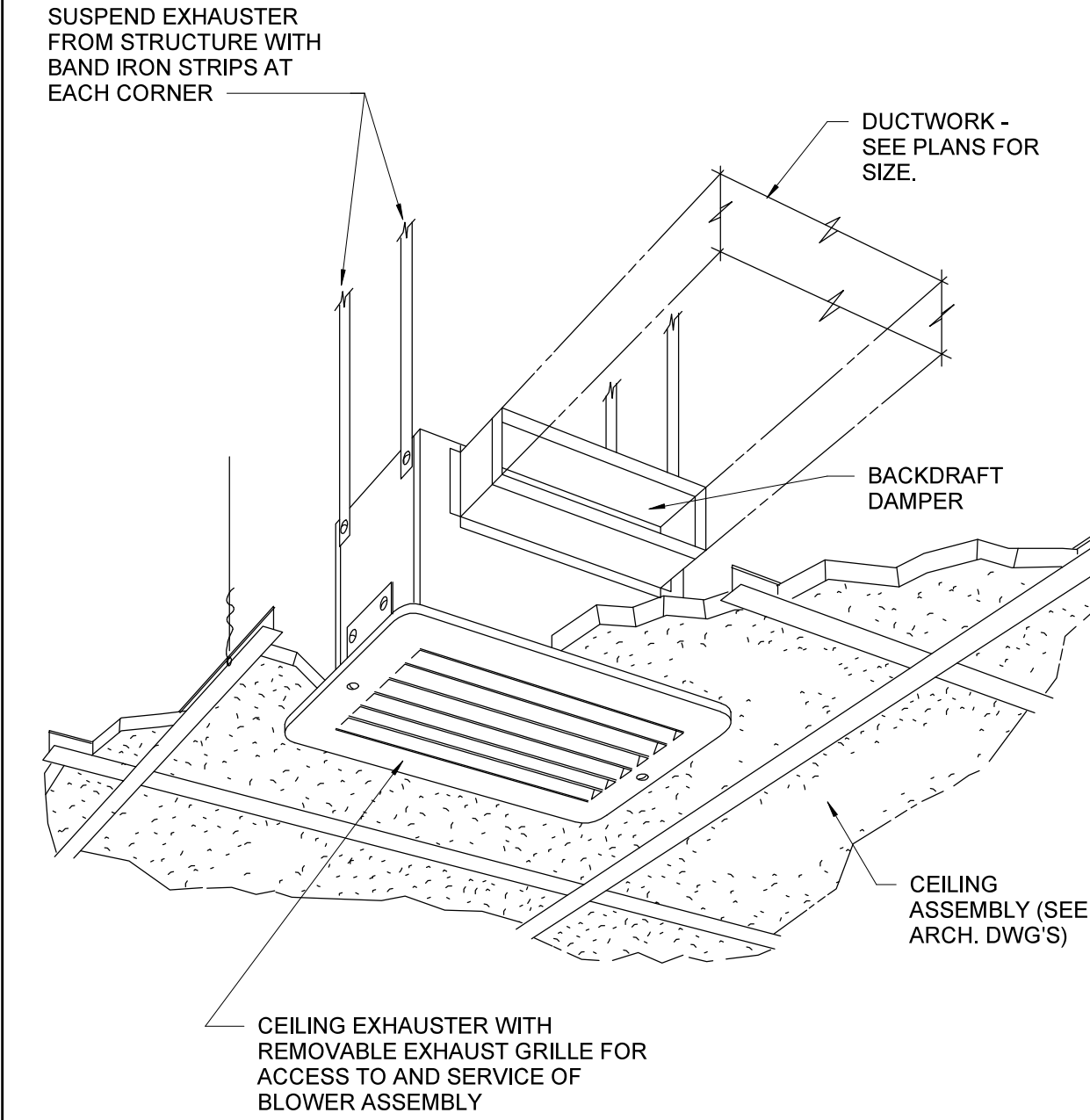
SEALED BY

WALTER E. BLAIR
REGISTERED ENGINEER
NO. 10482
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

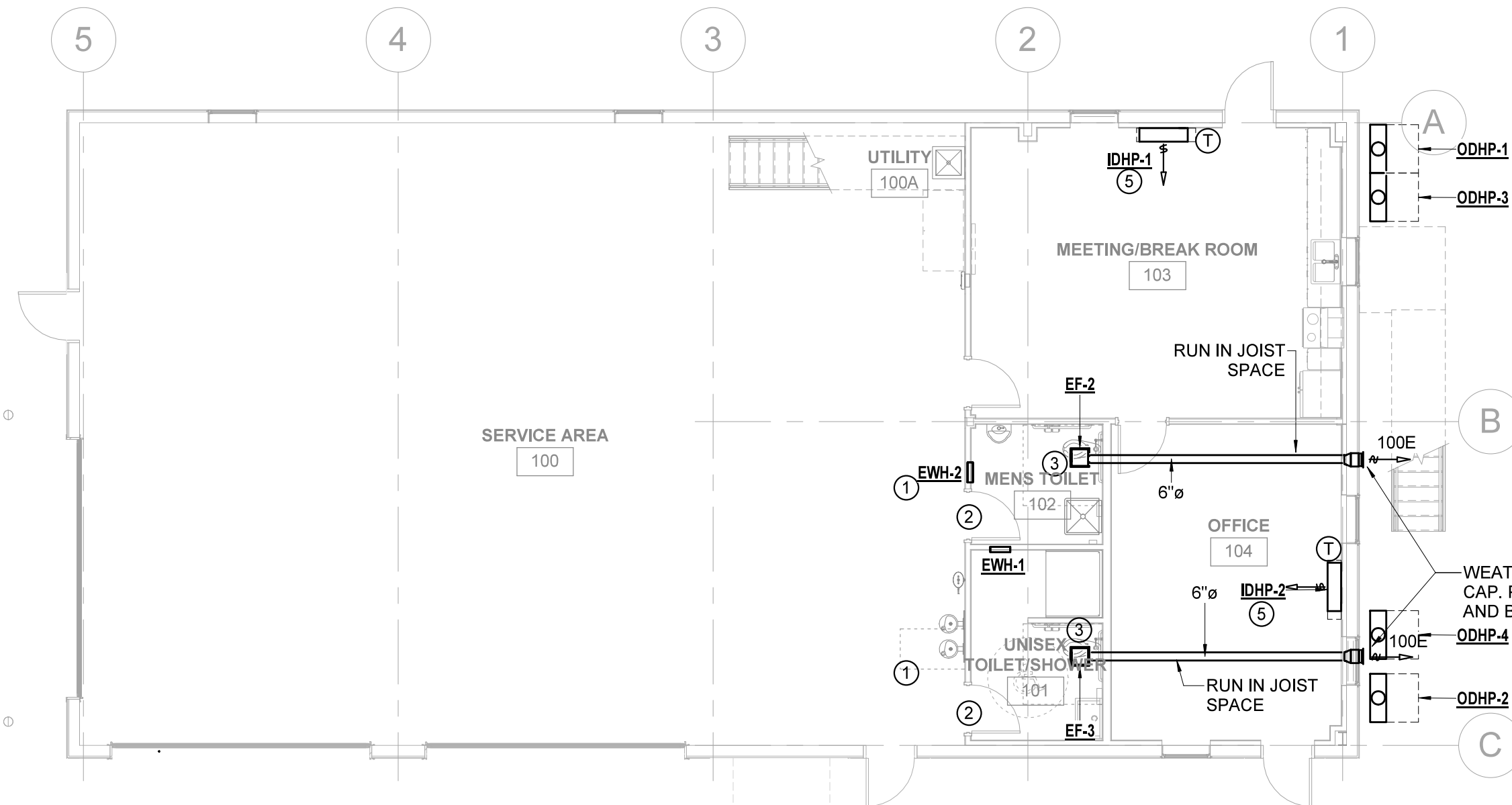
MECHANICAL
CORE & SHELL

M1.0
SHEET 21 OF 34



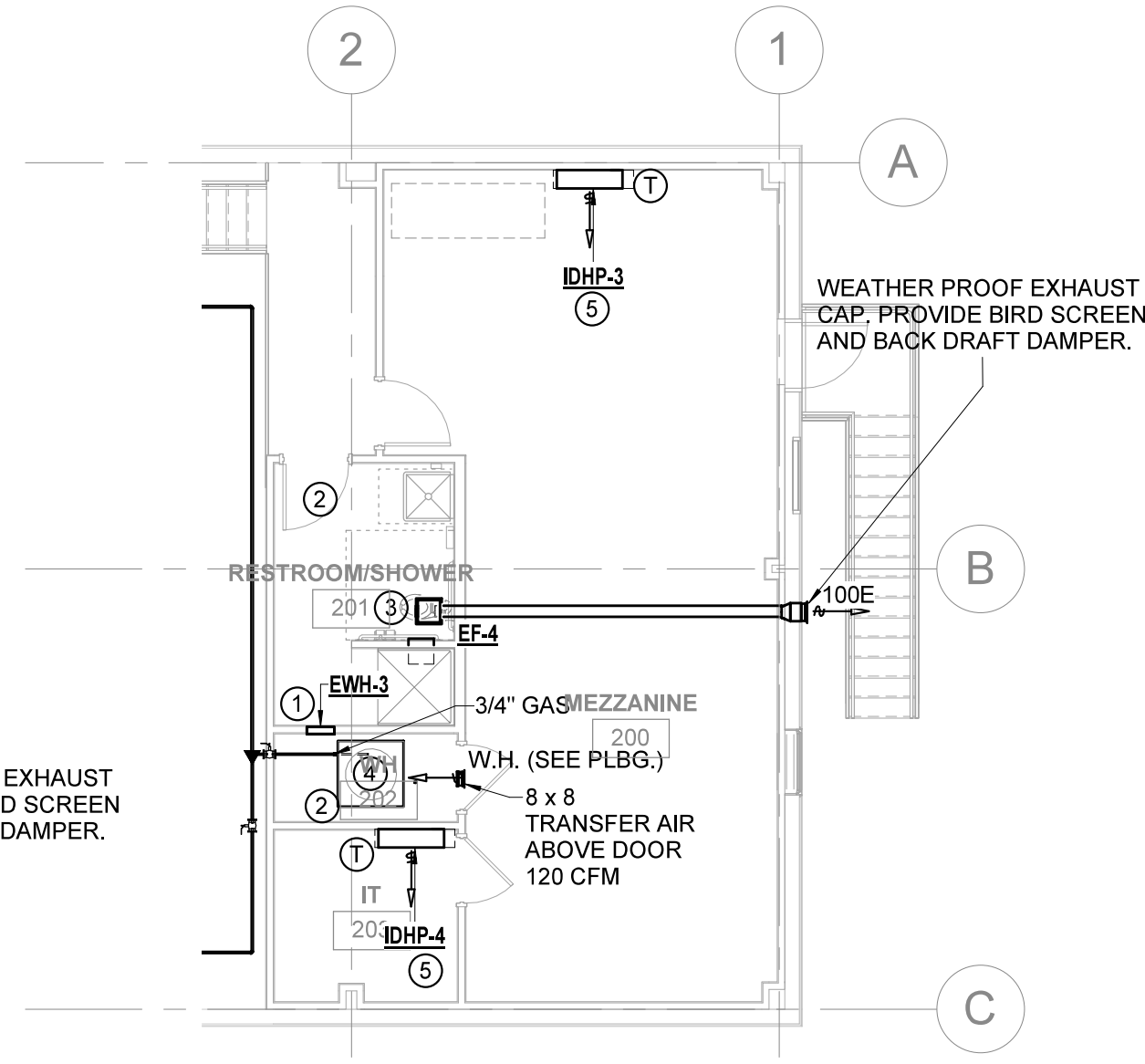
CEILING MOUNTED EXHAUST FAN

08



MECHANICAL PLAN - FIRST FLOOR

1/8" = 1'-0"



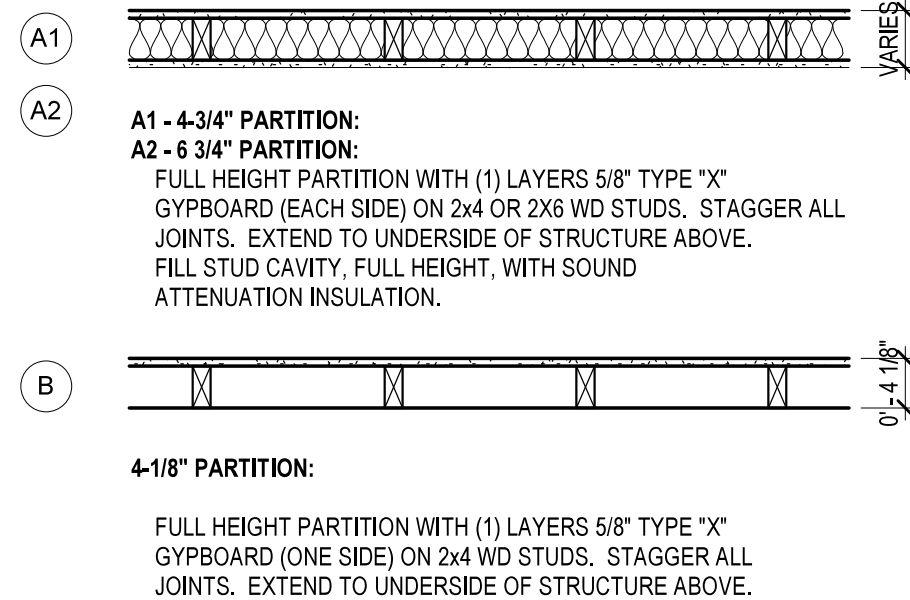
MECHANICAL PLAN - MEZZ

1/8" = 1'-0"

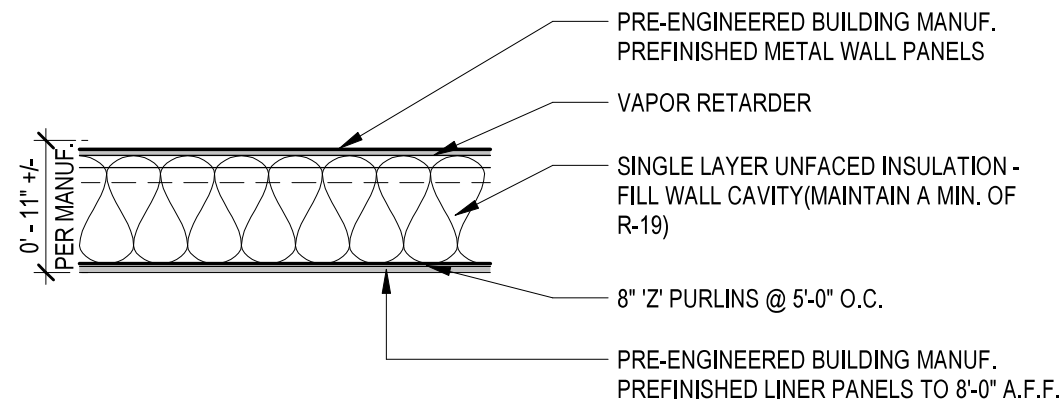
SHEET KEYED NOTES

- PROVIDE WALL HEATER EQUAL TO QMARK AWH3150F OR APPROVED EQUAL. UNIT SHALL BE 120/1/60 AND PROVIDE 1.5 KW/HEAT. PROVIDE RECESSED WALL MOUNT KIT AND SURFACE MOUNTED CONTROLS.
- PROVIDE 3/4" UNDERCUT ON DOORS.
- INTERLOCK WITH LIGHT SWITCH
- VENT W.H. UP THRU ROOF AND SIZE AS PER MANUFACTURER'S RECOMMENDATIONS.
- REFER TO PLUMBING DRAWINGS FOR CONDENSATE TO DRY WELL.

INTERIOR WALL TYPES



EXTERIOR WALL TYPES



FAN SCHEDULE

- GENERAL NOTES:
- MOTOR H.P. SHALL COMPLY WITH ASHRAE 90.1.
 - BHP SHALL BE NO GREATER THAN 90% OF THE MOTOR H.P.

DESIGNATION	SERVICE	MANUFACTURER	MODEL NUMBER	TYPE	CFM	ESP (IN. WG)	MOTOR				MAX. SONES	ROOF / WALL OPENING	OPERATING WEIGHT (LBS)	
							BHP	MIN. HP	RPM	VOLTAGE				PHASE
EF-2	RESTROOM	GREENHECK	SP-110-VG	CEILING	100	0.125	---	8W	940	115/60	1	1.4	---	12
EF-3	RESTROOM	GREENHECK	SP-110-VG	CEILING	100	0.125	---	8W	940	115/60	1	1.4	---	12
EF-4	RESTROOM	GREENHECK	SP-110-VG	CEILING	100	0.125	---	8W	940	115/60	1	1.4	---	12

SPLIT SYSTEM HEAT PUMP SCHEDULE

- GENERAL NOTES:
- SEE SPECIFICATIONS.
 - PIPE CONNECTIONS SIZES PER PLANS.
 - CONTROL SEQUENCE PER DRAWINGS.
 - 1" PLEATED FILTER.
 - SEE ELECTRICAL DRAWINGS FOR STARTER, DISCONNECT AND LOCATION.
 - REFRIGERANT LINE SIZES PER MANUFACTURER'S REQUIREMENTS.
 - COOLING CAPACITY AND SEER BASED ON 95°F.
 - HEATING CAPACITY AND HSPF BASED ON 17°F.
 - UNITS SHALL BE SELECTED TO OPERATE AT AN ALTITUDE OF XXXX FT.

UNIT TYPES:
VERTICAL
HORIZONTAL

MOTOR TYPES:
PSC - PERMANENT SPLIT-CAPACITOR.
ECM - ELECTRONICALLY COMMUTATED MOTOR.

THESE PLANS AND SPECIFICATIONS ARE REQUIRED TO BE SEEN ON THE JOB SITE BY THE OCCUPANCY OR CORRECTIVE COMPLETION OF THIS OFFICE BY THE DATE OF THE PERMIT TO CONSTRUCT. ANY CHANGES TO THE PLANS OR SPECIFICATIONS MUST BE APPROVED BY THE OFFICE OF THE CITY ENGINEER. ANY CHANGES TO THE PLANS OR SPECIFICATIONS MUST BE APPROVED BY THE OFFICE OF THE CITY ENGINEER.

DESIGNATION	MANUFACTURER	MODEL NO.		UNIT HSPF	UNIT EER	CONDENSING UNIT																							
		INDOOR UNIT	CONDENSING UNIT			CFM	OA CFM	ESP (IN. WG)	TSP (IN. WG)	FAN MOTOR		COOLING			HEATING								FAN FLA	COMPRESSOR RLA	VOLT/PH	MOCP	MCA	REFRIG.	
										W	VOLT/PH	EAT DB/WB (° F)	LAT DB/WB (° F)	TOTAL CAPACITY (BTUH)	MAX. CAPACITY 17°F (BTUH)	EAT DB (° F)	LAT DB (° F)	AUX KW	KW / STEP	MCA	MOCP	VOLT/PH							DESIGN AMBIENT
IDHP-1/ODHP-1	DAIKIN	MSZ-HM12NA	MUZ-HM12NA	10	9.9	400	0	0	0	30	208/1	-	-	12200	9000	-	-	-	-	12	15	208/230/1	95	0.5	6.6	208/1	15	12	R410A
IDHP-2/ODHP-2	DAIKIN	MSZ-HM09NA	MUZ-HM09NA	10	12	400	0	0	0	30	208/1	-	-	10000	7200	-	-	-	-	9	15	208/230/1	95	0.5	6.2	208/1	15	9	R410A
IDHP-3/ODHP-3	DAIKIN	MSZ-HM12NA	MUZ-HM12NA	10	9.9	400	0	0	0	30	208/1	-	-	12200	9000	-	-	-	-	12	15	208/230/1	95	0.5	6.6	208/1	15	12	R410A
IDHP-4/ODHP-4	DAIKIN	MSZ-HM09NA	MUZ-HM09NA	10	12	400	0	0	0	30	208/1	-	-	10000	7200	-	-	-	-	9	15	208/230/1	95	0.5	6.2	208/1	15	9	R410A

PROJECT NO.	39999-3609-04
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TDOT HENDERSON
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PHASE
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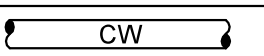
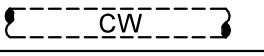
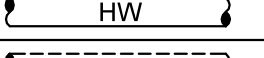
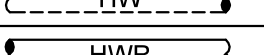

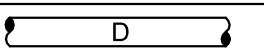
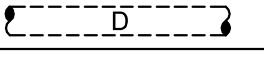
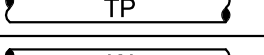
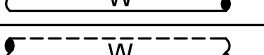
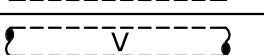

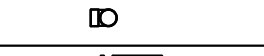





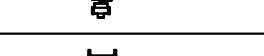
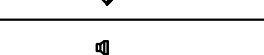
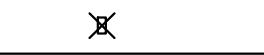
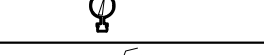

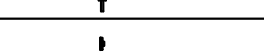
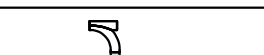
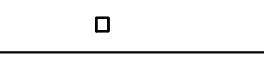
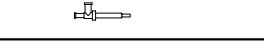
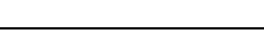
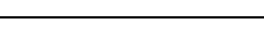


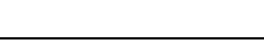
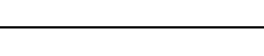
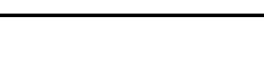
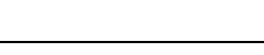
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SSR Project #: 22640620

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DEPARTMENT OF
TRANSPORTATION

MECHANICAL
FIRST FLR./
MEZZ.BUILD-OUT
M1.1



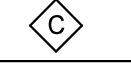

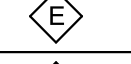

ALL PLUMBING LEGEND		
NOT ALL SYMBOLS MAY BE USED		
SYMBOL	ABB.	DESCRIPTION
—CW— 	CW	DOMESTIC COLD WATER
---CW--- 	CW	DOM. COLD WATER (BELOW)
—HW— 	HW	DOMESTIC HOT WATER
---HW--- 	HW	DOMESTIC HOT WATER (BELOW)
—HWR— 	HWR	DOMESTIC HOT WATER RECIRC.
---HWR--- 	HWR	DOMESTIC HOT WATER RECIRC. (BELOW)
—D— 	D	DRAIN
---D--- 	D	DRAIN (BELOW)
—TP— 	TP	TRAP PRIMER
—W— 	W	WASTE
---W--- 	W	WASTE (BELOW)
---V--- 	V	SANITARY VENT
		PIPE TURN DOWN
		PIPE TURN UP
		BALL VALVE
		GATE VALVE
		CHECK VALVE
		BALANCING VALVE
		BUTTERFLY VALVE
	PRV	PRESSURE REGULATING VALVE
		SOLENOID VALVE
		STRAINER
		REDUCER
		PIPE GUIDE
		ANCHOR
		PRESSURE GAUGE
		PRESSURE SWITCH WITH DEMAND CHECK FITTING
		THERMOMETER
		CAP/PLUG
	CO	CLEANOUT (ABOVE CEILING)
		UNION
	PR	PRESSURE RELIEF VALVE
		SHOCK ARRESTOR
		HOSE BIBB / WALL HYDRANT
	FCO	FLOOR CLEAN OUT
	WCO	WALL CLEAN OUT
	FD	FLOOR DRAIN
	VTR	VENT THRU ROOF
	I.E.	INVERT ELEVATION
	AFF	ABOVE FINISHED FLOOR

SITE UTILITY NOTES - NEW CONSTRUCTION

- A. CONTRACTOR SHALL FIELD VERIFY UTILITY CONNECTIONS TO EXISTING CITY UTILITIES FOR EXACT LOCATIONS, PIPE SIZES, MATERIAL AND DEPTHS. CONFIRM EXACT CONNECTIONS WITH LOCAL AUTHORITIES AND PAY PRESCRIBED FEES. MATERIALS AND INSTALLATION SHALL MEET STATE AND LOCAL CODES AND REQUIREMENTS.
- B. CONTRACTOR SHALL COORDINATE ALL TOP CASTING ELEVATIONS ON NEW SANITARY SEWER MANHOLES WITH FINISHED GRADES.

SHOCK ARRESTOR SCHEDULE

- GENERAL NOTES:
1. ALL ARRESTORS SHALL BE SIZED AND LOCATED PER PDI STANDARDS.

P.D.I. SYMBOL	FIXTURE UNITS	SIZE	MANUFACTURER	MODEL NUMBER
	1-11	1/2" NPT	PPP	SC-500
	12-32	3/4" NPT	PPP	SC-750
	33-60	1" NPT	PPP	SC-1000
	61-113	1 1/4" NPT	PPP	SC-1250
	114-154	1 1/2" NPT	PPP	SC-1500
	155-330	2" NPT	PPP	SC-2000

PLUMBING GENERAL NOTES

- A. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE PROJECT SCOPE, UTILITY CONNECTIONS AND ALL BUILDING SERVICES. EXISTING SITE UTILITIES SHALL BE FIELD LOCATED FOR EXACT LOCATION AND ELEVATION BEFORE BEGINNING CONSTRUCTION OR DEMOLITION.
- B. DRAWINGS SHOW KNOWN EXISTING SERVICES, PIPING, FIXTURES, EQUIPMENT, AND CONNECTIONS IN REASONABLE PROXIMITY. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND SIZES. ANY DISCREPANCIES AND / OR DEVIATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ARCHITECTS ATTENTION.
- C. COORDINATE WATER, WASTE, VENT, RAIN WATER AND OTHER PIPING WITH ALL TRADES TO AVOID SPACING AND ROUTING PROBLEMS.
- D. FIXTURES, EQUIPMENT, CONNECTIONS AND PIPING SHALL BE FURNISHED AND INSTALLED TO MEET OR EXCEED STATE AND LOCAL CODES AND REQUIREMENTS.
- E. STANDARD DETAILS ILLUSTRATED ON THE DRAWINGS SHALL BE APPLIED IN ALL CASES WHERE THE FEATURE OCCURS IN THE SYSTEM DESIGN.
- F. FURNISH AND INSTALL SHOCK ARRESTORS IN COLD WATER LINES AT CONNECTIONS TO FLUSH VALVES AND QUICK CLOSING VALVES AND AT EACH HOT AND COLD WATER CONNECTION TO FIXTURES.
- G. PLUMBING VENTS AND STACKS THROUGH ROOF SHALL BE INSTALLED A MINIMUM OF 25 FEET CLEAR OF HVAC OUTSIDE AIR INTAKES AND ANY OPERABLE WINDOW OR BUILDING OPENING.
- H. VENT AND WASTE STACKS LESS THAN THREE INCHES IN DIAMETER SHALL NOT ROUTE THROUGH THE ROOF. PROVIDE INCREASERS ON PIPING BELOW ROOF.
- I. PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE SLEEVED, SEALED AND FIRESAFED TO MAINTAIN THE INTEGRITY OF THE WALL AND FLOOR UL FIRE RESISTANCE RATING.
- J. DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES.
- K. PROVIDE INSULATION KIT FOR SUPPLIES, TRAP AND DRAIN PIPING FOR ALL HANDICAP ACCESSIBLE LAVATORIES AND SINKS. INSULATION OF PIPING IS NOT REQUIRED WHERE PROTECTIVE SKIRT IS PROVIDED BELOW FIXTURE.
- L. PROVIDE HOUSEKEEPING PADS UNDER ALL EQUIPMENT. COORDINATE PAD SIZE AND FLOOR DRAIN LOCATIONS WITH FINAL EQUIPMENT PAD LOCATIONS. LOCATE DRAINS NEAR EQUIPMENT DRAINS AND DISCHARGE TO AVOID ROUTING OF PIPING ACROSS WALK PATHS.
- M. SUPPORTS, ANCHOR BOLTS AND HANGERS FOR ALL EQUIPMENT SPECIFIED SHALL CONFORM TO THE SPECIFICATIONS. MISCELLANEOUS STEEL BRACING SUPPORTS AND REINFORCING STEEL NEEDED TO SUPPORT EQUIPMENT AND PIPING SYSTEMS SPECIFIED SHALL BE FURNISHED AND INSTALLED AS PART OF THE WORK.
- N. MAINTAIN ACCESSIBILITY OF ALL EQUIPMENT AND VALVES. PROVIDE ACCESS PANELS AS REQUIRED. COORDINATE PLACEMENT WITH THE ARCHITECT PRIOR TO INSTALLATION.
- O. INSTALL EXTERIOR WALL HYDRANTS AT 18" ABOVE FINISHED GRADE.
- P. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT PRIOR TO CUTTING ANY OPENING IN THE STRUCTURE. COORDINATE SLEEVENG OF BEAMS AND CORING OF STRUCTURE WITH STRUCTURAL DRAWINGS AND DETAILS PRIOR TO INSTALLATION.
- Q. CONTRACTOR SHALL PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS NOT RECEIVING CONSTANT DISCHARGE FROM FIXTURES AND/OR EQUIPMENT AND AS REQUIRED BY STATE AND LOCAL CODES.
- R. ALL SANITARY AND STORM WATER PIPING BELOW GRADE IN AREAS SUBJECT TO TRAFFIC WITH LESS THAN TWO FEET OF EARTH COVER SHALL BE DUCTILE IRON.
- S. PROVIDE PIPING EXPANSION JOINTS AT EACH PIPE CROSSING AN INTERIOR BUILDING EXPANSION JOINT.
- T. ORIENT FLUSH VALVE HANDLES ASSOCIATED WITH BARRIER-FREE WATER CLOSETS ON THE WIDE SIDE OF THE STALL TO COMPLY WITH ADA REQUIREMENTS.
- U. PROVIDE LEAD FREE MIXING VALVES UNDER PUBLIC LAVATORIES, KITCHEN HAND WASHING SINKS OR ANY OTHER FIXTURE REQUIRING TEMPERED WATER TO MEET ASSE 1070/ASME A112.1070 OR LOCAL ADOPTED CODE.
- A DOUBLE WYE OR DOUBLE COMBINATION WYE AND 1/8 BEND FITTING IS NOT ACCEPTABLE IN A HORIZONTAL POSITION FOR A DRAINAGE SYSTEM.
- W. EQUIPMENT AND FIXTURES CALL FOR BY NAME AND MODEL NUMBER FORM THE STANDARD FOR SELECTION. EQUIPMENT AND FIXTURE MEETING OR EXCEEDING THAT SPECIFIED SHALL BE SUBMITTED FOR APPROVAL.

DRAINS SCHEDULE

TYPE	DESCRIPTION	CW	HW	DR	VENT
ICO WCO	INTERIOR CLEAN-OUT - ZURN Z-1400-T WITH FLANGE & C.C. (SIZE TO MATCH LINE SERVED)	-	-	-	-
FD-1	FLOOR DRAIN (3" DIA. OUTLET) - JR SMITH MODEL 2005-B WITH ADJUSTABLE ROUND STRAINER HEAD, FLASHING COLLAR AND P-TRAP. PROVIDE TRAP PRIMER.	-	-	3"	2"
FD-2	SHOWER DRAIN (2" DIA. OUTLET) - JR SMITH MODEL 220-10 SERIES WITH ADJUSTABLE ROUND STRAINER HEAD, FLASHING COLLAR AND P-TRAP.	-	-	2"	2"
TP	TRAP PRIMERS - PRECISION PLUMBING PRODUCTS INC. PR-500 TRAP PRIMER VALVE - INSTALL IN NEARBY COLD WATER LINE - PROVIDE ONE VALVE PER TRAP OR VALVES WITH DISTRIBUTION UNITS AS REQUIRED TO SERVE ALL FLOOR DRAINS AND OTHER NOTED LOCATIONS	1/2"	-	-	-

HOSE BIBB SCHEDULE

TYPE	DESCRIPTION	CW	HW	DR	VENT
NFHB-1 P-19A	NONFREEZE HOSE BIBB 1. ZURN MODEL Z-1321 WITH ANTI-SIPHON, BACKFLOW PREVENTER, AUTOMATIC DRAINING, KEY OPERATED REFER ARCHITECT DRAWINGS FOR WALL THICKNESS. 2. MOUNTING HEIGHT: 18" ABOVE FINISHED FLOOR/GRADE	3/4"			

SHEET INDEX - PLUMBING

NUMBER	SHEET NAME
P0.1	NOTES, LEGENDS & SCHEDULES
P1.0	PLUMBING CORE & SHELL
P1.1	PLUMBING FIRST FLR./ MEZZ.BUILD-OUT
P2.0	PLUMBING DETAILS

PLUMBING FIXTURE CONNECTION SCHEDULE

NOTES:

1. BRANCH CONNECTION SIZES ARE INDICATED. REFER TO FLOOR PLANS FOR MAIN PIPING SIZES.
2. PROVIDE MIXING VALVE CONFORMING TO ASSE 1070 OR CSA B125.3 UNDER HAND SINK/LAV....

FIXTURE TAG	FIXTURE DESCRIPTION	COLD WATER	HOT WATER	DRAIN	VENT	NOTES
FD-1	SEE DRAIN SCHEDULE	--	--	--	--	1.
FD-2	SEE DRAIN SCHEDULE	--	--	--	--	1.
P-1	WATER CLOSET (FLOOR MOUNTED - FLUSH VALVE - 1.6 GPF) A. FIXTURE:AMERICAN STANDARD #2858.016, WHITE ELONGATED BOWL B. VALVE: ZURN Z6000AV-WS1 1.6 GALLON PER FLUSH C. SEAT: AMERICAN STANDARD #5901.100 WHITE OPEN FRONT D. TRIM: WAX RING, TWO BOLT CAPS INCLUDED	1"	--	4"	2"	
P-1A	WATER CLOSET (FLOOR MOUNTED - FLUSH VALVE - BARRIER FREE - 1.6 GPF) A. FIXTURE:AMERICAN STANDARD #2854.016, WHITE ELONGATED BOWL B. VALVE: ZURN Z6000AV-WS1, 1.6 GALLON PER FLUSH C. SEAT: AMERICAN STANDARDS #5901.100 WHITE OPEN FRONT D. TRIM: WAX RING, TWO BOLT CAPS INCLUDED	1"	--	4"	2"	
P-2A	URINAL (ADA WALL HUNG - FLUSH VALVE - BARRIER FREE - 0.5 GPF) A. FIXTURE: AMERICAN STANDARD #6555.001, TOP SPUD, WHITE, ELONGATED RIM B. VALVE: ZURN Z6003AV-EWS, 0.5 GALLON PER FLUSH C. CARRIER: ZURN Z1221 D. MOUNTING: 17 INCHES MAX. FROM FINISHED FLOOR TO FLOOD RIM	3/4"	--	2"	2"	
P-4	SHOWER (42"x42") A. FIXTURE: PRAXIS #M4242 SH TILE WITH CENTRAL DRAIN. PROVIDE SUPPORTS AS REQUIRED. UNIT SHALL BE EQUIPPED WITH INTEGRALLY MOLDED SOAP DISH AND 4" THRESHOLD. B. TRIM: SHOWER VALVE AND HEAD SHALL BE DELTA #T17230 CHROME PLATED LEVER TYPE SHOWER VALVE AND LOW FLOW 3-POSITION SHOWER HEAD	1/2"	1/2"	2"	2"	
P-4A	ADA SHOWER (48"x37") A. FIXTURE: FREEDOM SHOWERS #APF4836BF4P WITH CENTRAL DRAIN. ACCESSORIES: GRAB BARS, FOLDING SEAT COLLAPSIBLE WATER RETAINER, DRAIN, WEIGHTED SHOWER CURTAIN AND ROD, SLIDE BAR, 7/8 BARRIER FREE THRESHOLD. PROVIDE SUPPORTS AS REQUIRED. B. TRIM: SHOWER VALVE AND HEAD SHALL BE DELTA #T13H153-25 POLISHED CHROME PLATED PRESSURE BALANCE VALVE. PRESSURE BALANCE LEVER HANDLE ADA COMPLIANT, HAND SHOWER BACKFLOW PROTECTION PRIORVIDE BY TWO CERTIFIED CHECK VALVES IN SERIES. HAND SHOWER ADA COMPLIANT. INTEGRAL CHECK VALVES, #5 HANDSHOWER WITH 24" STAINLESS STEEL SLIDE BAR, #5 SHOWER 1.5 GPM. C. COORDINATE REQUIREMENT FOR SLAB DEPRESSION AS REQUIRED WITH STRUCTURAL DRAWINGS.	1/2"	1/2"	2"	2"	
P-5	1-COMPARTMENT BUDGET SINK - FREE STANDING A. FIXTURE: BK-RESOURCES #BKBS-1-24-14 FREE STANDING 1-COMPARTMENT STAINLESS STEEL SINK, 24"x24"x14" NO DRAINBOARDS W/ GALV. LEGS, ADJUSTABLE HIGH IMPACT CORROSION RESISTANT FEET. B. FAUCET: BK-RESOURCES #BKFG-8" CENTERSET SPLASH MOUNT FAUCET WITH SWING SPOUT, #BKFC-C414-VR VANDAL RESISTANT AERATOR .5 GPM, #BKFC-WBH WRIST BLADE HANDLES AND #BK-DMMK-90 FAUCET MOUNTING KIT. BRAIDED SUPPLIES AND GRID DRAIN. C. TRIM: ZURN 8700-PC SERIES 1-1/4 INCH SEMI-CAST BRASS P-TRAP, ZURN Z8804-XL-PC WHEEL HANDLE STOPS.	1/2"	1/2"	2"	2"	2.
P-5A	HAND SINK (STAINLESS STEEL WALL HUNG - ADA) A. FIXTURE: BK-RESOURCES #BKHS-ADA-D-P-G 14"x16"x5" WITH 8" SPLASHMOUNT 2-HOLE B. FAUCET: BK-RESOURCES #BKFG-40M-3G-G 4" OC 3-1/2" GOOSENECK SPOUT FAUCET, 8" RISER, 1" TURN DOWN ON RISER, #BKFC-C414-VR VANDAL RESISTANT AERATOR .5 GPM AND WRIST BLADE HANDLES #BKFC-WBH, WALL BRACKET, MARINE EDGE 18/304 STAINLESS STEEL BRAIDED SUPPLIES AND GRID DRAIN. #BKFC-C414-VR VANDAL RESISTANT AERATOR 0.5 GPM C. TRIM: ZURN 8700-PC SERIES 1-1/4 INCH SEMI-CAST BRASS P-TRAP, ZURN Z8804-XL-PC WHEEL HANDLE STOPS. D. CARRIER: PROVIDE WALL PLATE AND SUPPORTS	1/2"	1/2"	2"	2"	2.
P-6A	SINK (ADA DOUBLE COMPARTMENT) A. FIXTURE: JUST DL-ADA-1925-A-GR, 19"x25"x8.5" B. FAUCET: JUST #902, DECK MOUNTED FAUCET 8" SWING SPOUT 2.2 GPM FLOW WITH HOSE SPRAY C. TRIM: TWO ZURN Z8743-1-PC GRID DRAIN WITH 1-1/2 INCH TAILPIECE, ZURN Z8804-XL-PC WHEEL HANDLE STOPS. ONE ZURN Z8702-PC SERIES 1-1/2 INCH BY 1-1/2 INCH SEMI-CAST BRASS P-TRAP, ONE ZURN Z8751 CONTINUOUS WASTE.	1/2"	1/2"	2"	2"	
P-9	MOP SINK A. FIXTURE: MUSTEE # 63M 24X24X10 FLOOR MOUNTED BASIN B. FAUCET: MUSTEE #63.600A HEAVY DUTY CHROME PLATED BRASS, 8" CENTER FAUCET WITH VACUUM BREAKER STOPS, MUSTEE #65.700 HOSE & HOSE HOLDER, MUSTEE # 65.600 MOP HANGER, BUMPER AND WALL GUARDS, 3" DRAIN. C. MOUNTING: MOUNT FAUCET 36 INCHES ABOVE FINISHED FLOOR.	3/4"	3/4"	3"	2"	
P-12B	ELECTRIC WATER COOLER HIGH-LOW WITH BOTTLE FILLER A. FIXTURE: ELKAY IZSTL8WSVRK - EZ420 WITH COOLING SYSTEM 8GPH STAINLESS STEEL 50 DEG. F WATER 115V/1 - 1/5 HP COMP. 1.5 GPM FILL RATE. ADJUST STREAM HEIGHT TO 4" ABOVE SPOUT B. TRIM: ONE ZURN Z8802-XL-LR-9860-12-PC SUPPLY WITH WHEEL HANDLE STOP. ONE ZURN Z8700-PC SERIES, 1-1/4 INCH SEMI-CAST BRASS P-TRAP C. MOUNTING: 36 INCHES FROM LOW BUBBLER TO FINISHED FLOOR. D. CARRIER: (2) ZURN Z1225	1/2"	--	2"	2"	
P-19	SEE HOSE BIBB SCHEDULE	3/4"	--			
P-19A	SEE HOSE BIBB SCHEDULE	3/4"	--			
P-24D	EMERGENCY EYEWASH - WALL MOUNTED A. FIXTURE: BRADLEY #S19-220B GALV. STEEL PROTECTED WITH BRADTECT SAFETY YELLOW COATING WITH WALL BRACKET. B. TRIM: BRADLEY S19-2000 NAVIGATOR EMERGENCY THERMOSTATIC MIXING VALVE WITH COLD WATER BY-PASS IN A STAINLESS STEEL CABINET ASSEMBLY. PROVIDE UNIT WITH ADJUSTABLE HIGH TEMPERATURE LIMIT STOP. PROVIDE TEMPERATURE GAUGE FOR OUTLET SIDE OF MIXING VALVE AS PART OF ASSEMBLY. CONTRACTOR SHALL COORDINATE MOUNTING LOCATION OF RECESSED MIXING VALVE BOX WALL WITH ARCHITECT.	3/4"	3/4"	2"	2"	

DOMESTIC WATER HEATER SCHEDULE

GENERAL NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE 4" THICK REINFORCED CONCRETE PAD BELOW ALL FLOOR MOUNTED EQUIPMENT.
3. PROVIDE DISCONNECT WITHIN SIGHT OF THE WATER HEATER AS REQUIRED PER IPC-2015 SECTION 504.3. PROVIDE BRANCH CIRCUIT PROTECTION AS REQUIRED. COORDINATE WITH ELECTRICAL DRAWINGS FOR EXACT REQUIREMENT PRIOR TO CONSTRUCTION.

REMARKS:
A. HEATER WITH BRONZE CIRCULATING PUMP(S) AND STARTER(S).
B. CONDENSATE NEUTRALIZATION KIT.
C. CONCENTRIC VENT KIT WITH APPLICABLE WALL OR ROOF CAP.

DESIGNATION	SERVICE	MANUFACTURER	MODEL NUMBER	RECOVERY GPH (90° RISE)	FUEL	INPUT BTU	STORAGE TANK GAL.	REMARKS
GWH-1	DOMESTIC	A.O. SMITH	BTXL-100	129	PROPANE GAS	100000	75	

PUMP SCHEDULE

GENERAL NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. MOUNT HOT WATER RECIRCULATING PUMP AT 5'-0" ABOVE FINISHED FLOOR WITH WALL BRACKETS.

REMARKS:
A. BRONZE CONSTRUCTION FOR DOMESTIC WATER SERVICE.
B. STARTER BY DIVISION 26.
C. PUMP REMOVAL KIT.

DESIGNATION	MANUFACTURER	MODEL NUMBER	TYPE	GPM	TOTAL HEAD FT	MOTOR HP	ELECTRICAL VOLTAGE/ PHASE	REMARKS
RP-1	GRUNDFOS	UPS15-42F	IN-LINE	46 MAX.	0-32	1/25	115 V 1	A.B.C.

PIPING MATERIALS SCHEDULE

PLUMBING SYSTEM	PLUMBING MATERIAL DESCRIPTION
SANITARY DRAIN PIPING	STANDARD WEIGHT CAST IRON PIPE, BELL & SPIGOT JOINTS (BELOW SLAB)
SANITARY DRAIN PIPING	STANDARD WEIGHT CAST IRON PIPE, WITH NO HUB JOINTS (ABOVE SLAB)
VENT PIPING	STANDARD WEIGHT CAST IRON PIPE, WITH NO HUB JOINTS (ABOVE SLAB)
DOMESTIC WATER PIPING (ABOVE SLAB)	TYPE "L", COPPER TUBING, WITH WROUGHT COPPER FITTINGS (ASTM B88).
DOMESTIC WATER PIPING (BELOW SLAB)	TYPE "K", COPPER TUBING, WITH BRAZED WROUGHT COPPER FITTINGS (ASTM B88).

PROJECT NO.	39999-3609-04
PIN NO.	131121.0
DATE	
BY	
REVISIONS	
DESCRIPTION	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321

PHASE
CONSTRUCTION
AUGUST 18, 2023



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

NOTES,
LEGENDS &
SCHEDULES
P0.1

SHEET 23 OF 34

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

GENERAL PLUMBING SPECIFICATIONS

- 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 PLUMBING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. EQUALS MAY BE SUBSTITUTED ONLY IF PRIOR APPROVAL IS OBTAINED FROM OWNER.
- 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 PLUMBING SYSTEM.
- THE LOCATION OF PIPING 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 OTHER TRADES.
- INSULATION: ALL INSULATION, INCLUDING JACKET, OR FACING AND ADHESIVE USED TO ADHERE TO 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 UL 723, NOT EXCEEDING FLAME SPREAD 25, SMOKE DEVELOPED 50. ALL INSULATION ACCESSORIES SHALL ALSO HAVE THE RATING LISTED ABOVE.
- DOMESTIC WATER PIPES SHALL BE INSULATED WITH ONE (1) INCH THICK PREFORMED HIGH DENSITY FIBERGLASS WITH FACTOR APPLIED VAPOR BARRIER AND SELF SEALING LAP, SUCH AS MANVILLE MICRO-LOK.
- DOMESTIC WATER PIPES LARGER THAN 1 1/4" SHALL BE TYPE "L" COPPER ABOVE GROUND / SLAB AND TYPE "K" COPPER BELOW GRADE / SLAB. INSTALL DIELECTRIC UNIONS AT CONNECTIONS TO DISSIMILAR METALS. DOMESTIC HOT AND COLD WATER PIPING FOR PIPE SIZES 1 1/4" AND SMALLER MAY BE CROSS-LINKED POLYETHYLENE (PEX) MANUFACTURED IN ACCORDANCE WITH ASTM F876 AND F877. FITTING ASSEMBLY SHALL BE MANUFACTURED FROM MATERIAL LISTED IN ASTM F1960. FITTINGS SHALL BE INSTALLED INSIDE EXPANDED PIPE WITH FITTING ID MATCHING TUBING ID. SUPPLY STOPS SHALL BE COMPATIBLE WITH THE PEX TUBING AND SUPPLIED BY THE SAME TUBING MANUFACTURER.
- ANY WATER PIPING ROUTED IN AN EXTERIOR WALL SHALL BE INSIDE THE FACE OF THE BUILDING INSULATION OR OTHERWISE EXPOSED TO FREEZING TEMPERATURES SHALL BE PROVIDED WITH CHROMOLOX SRF (OR EQUAL) SELF-REGULATING FREEZE PROTECTION CABLE - 8 WATTS PER LINEAL FOOT OF PIPING.
- NATURAL GAS PIPE SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED FITTINGS. INSTALL PRESSURE REDUCING VALVES WHERE REQUIRED. SYSTEM INSTALLATION TO BE IN ACCORDANCE WITH NFPA 34 AND LOCAL CODES.
- IT IS THE INTENT OF THESE DRAWINGS TO COVER ALL WORK FOR A COMPLETE FIRST CLASS PLUMBING INSTALLATION - ANY EQUIPMENT, TRIM HARDWARE AND/OR DEVICES SHALL BE UTILIZED IN THIS CLASS OF WORK THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR AS PART OF HIS TOTAL WORK.
- ALL PIPING PASSING THRU A RATED OR NON-RATED WALL TO BE SLEEVED AND CAULKED (WITH FIREPROOF MATERIAL IF REQUIRED) IN ACCORDANCE WITH NFPA. STATE AND LOCAL CODES AS REQUIRED - REFER TO ARCHITECT FOR VARIOUS WALL RATINGS.

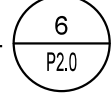
HOSE BIBB SCHEDULE

TYPE	DESCRIPTION	CW	HW	DR	VENT
HB-1 P-19	HOSE BIBB 1. ZURN MODEL Z-1341XL LEAD FREE, ANTI-SIPHON, MODERATE CLIMATE, WITH EXTERNAL VACUUM BREAKER WITH MALE HOSE CONNECTION, VANDAL RESISTANT OPERATING STEM AND SECURED WHEEL HANDLE. 2. MOUNTING HEIGHT: 18" ABOVE FINISHED FLOOR	3/4"	-	-	-

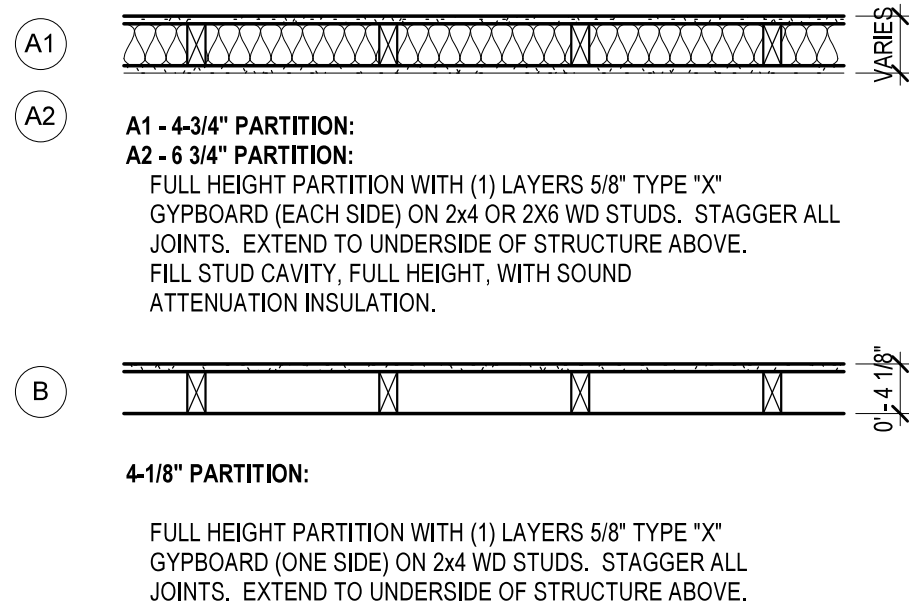
DRAINS SCHEDULE

TYPE	DESCRIPTION	CW	HW	DR	VENT
GCO	GRADE/EXTERIOR CLEAN-OUT - ZURN Z-1400 WITH HEAVY DUTY COVER PLATE. INSTALL GCO IN MIN. 12"x12"x6" CONC. PAD FLUSH WITH TOP OF CLEANOUT. (SEE PLANS FOR SIZES)	-	-	-	-
ICO WCO	INTERIOR CLEAN-OUT - ZURN Z-1400-T WITH FLANGE & C.C. (SIZE TO MATCH LINE SERVED)	-	-	-	-
FD-1	FLOOR DRAIN (3" DIA. OUTLET) - JR SMITH MODEL 2005-B WITH ADJUSTABLE ROUND STRAINER HEAD, FLASHING COLLAR AND P-TRAP. PROVIDE TRAP PRIMER.	-	-	3"	2"
FD-2	SHOWER DRAIN (2" DIA. OUTLET) - JR SMITH MODEL 220-10 SERIES WITH ADJUSTABLE ROUND STRAINER HEAD, FLASHING COLLAR AND P-TRAP.	-	-	2"	2"
TP	TRAP PRIMERS - PRECISION PLUMBING PRODUCTS INC. PR-500 TRAP PRIMER VALVE - INSTALL IN NEARBY COLD WATER LINE - PROVIDE ONE VALVE PER TRAP OR VALVES WITH DISTRIBUTION UNITS AS REQUIRED TO SERVE ALL FLOOR DRAINS AND OTHER NOTED LOCATIONS	1/2"	-	-	-

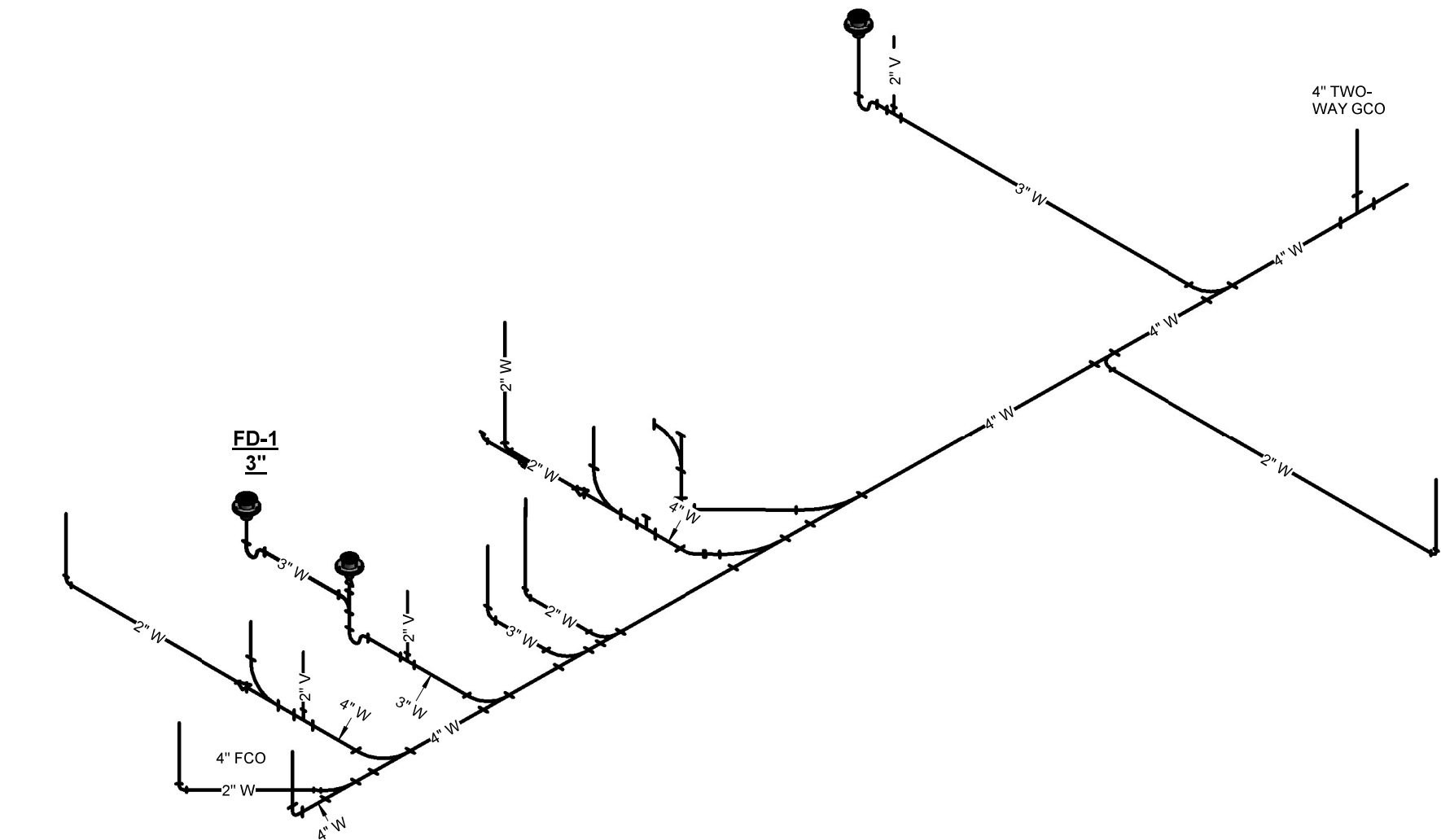
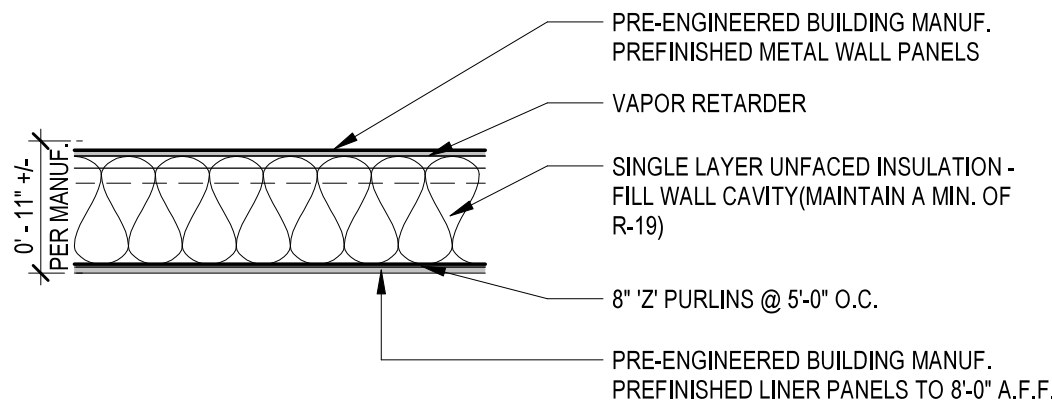
PLAN KEYED NOTES

- SEE CIVIL ENGINEERING SITE PLAN FOR CONTINUATION.
- COORDINATE EXACT LOCATION OF PLUMBING WITH STRUCTURAL FOOTING PRIOR TO CONSTRUCTION.
- 2" DOMESTIC CW SERVICE. ESTIMATED MAX. DEMAND 46 GPM.
- CONTRACTOR SHALL COORDINATE WITH LOCAL WATER SUPPLIER AND PROVIDE POINT OF ENTRY BACKFLOW PREVENTER AS REQUIRED. PIPE UNIT RELIEF OPENING THRU EXTERIOR WALL AND SPILL 6" ABOVE GRADE. PROVIDE BUG SCREEN OR FLAPPER.
- 4" WASTE UP.
- 3" WASTE UP.
- 1 1/4" CONDENSATE CONNECTION WITH DEEP SEAL TRAP. COORDINATE EXACT LOCATION OF DRAIN PRIOR TO CONSTRUCTION.
- DRY WELL. SEE DETAIL 
- 2" WASTE UP.
- 2" VENT UP.
- 3" VENT UP.

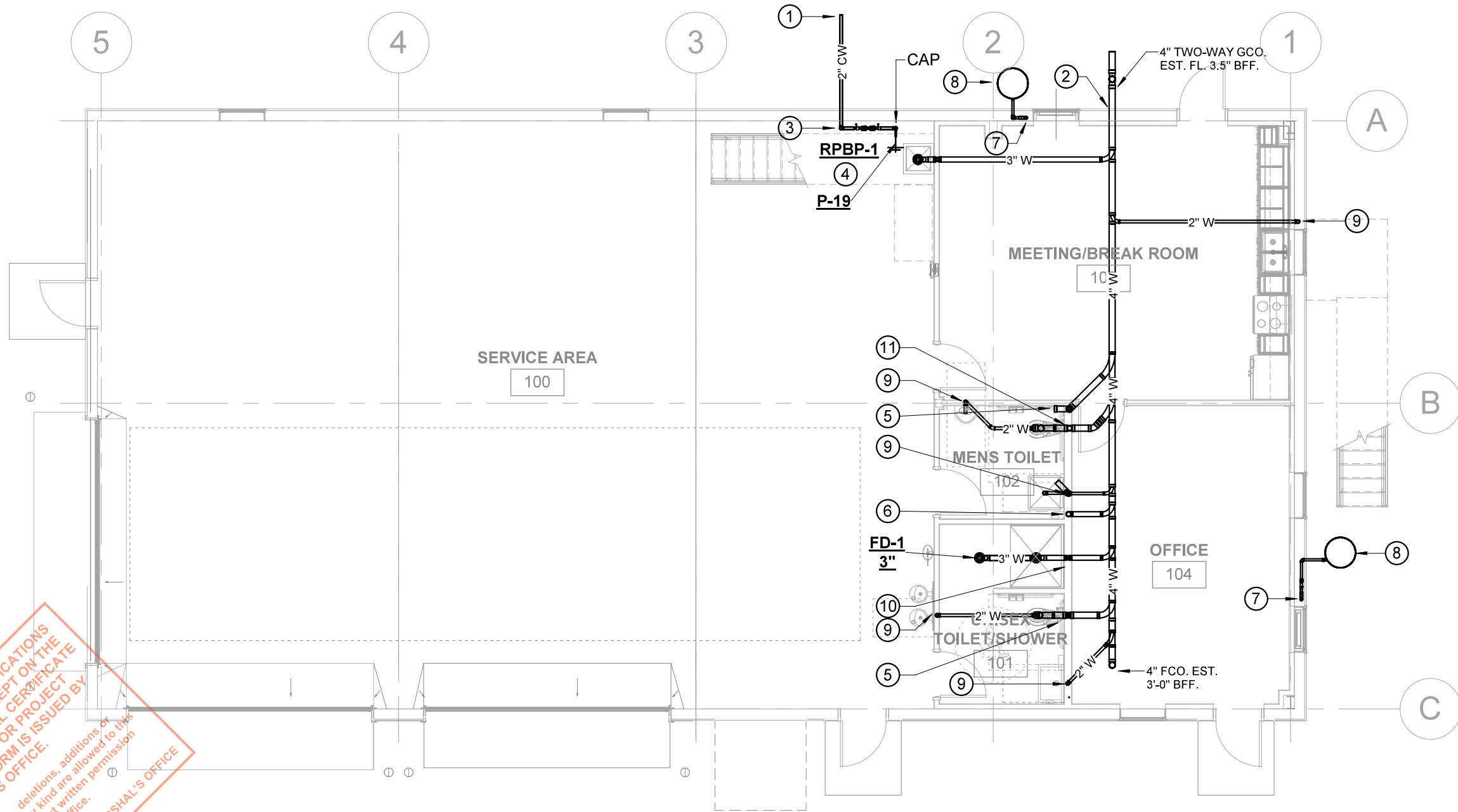
INTERIOR WALL TYPES



EXTERIOR WALL TYPES



2 PLUMBING RISER DIAGRAM CORE AND SHELL



1 PLUMBING PLAN - LEVEL 1 CORE AND SHELL

THESE PLANS AND SPECIFICATIONS ARE REQUIRED TO BE LEFT ON THE JOB SITE OCCUPANCY OR CORRECTIVE COMPLETION FORM IS ISSUED BY THE OFFICE. No alterations, deletions, additions, or modifications of any kind are allowed without written permission of the office. TENNESSEE STATE FIRE MARSHAL'S OFFICE


PROJECT NO.	39999-3609-04
PIN NO.	131121.0
REVISIONS	
DESCRIPTION	
DATE	
BY	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING
370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321
AUGUST 18, 2023
CONSTRUCTION
PHASE
PROJECT# 2024-04-17-10

Wold HFR DESIGN
214 Centerview Drive Suite 300
Brentwood, TN 37027
wolda.com phone: 615.370.8500 fax: 615.370.8530

SSR Smith Seckman Reid, Inc.
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Memphis, TN 38118
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www.ssr-inc.com
SSR Project #: 22640620

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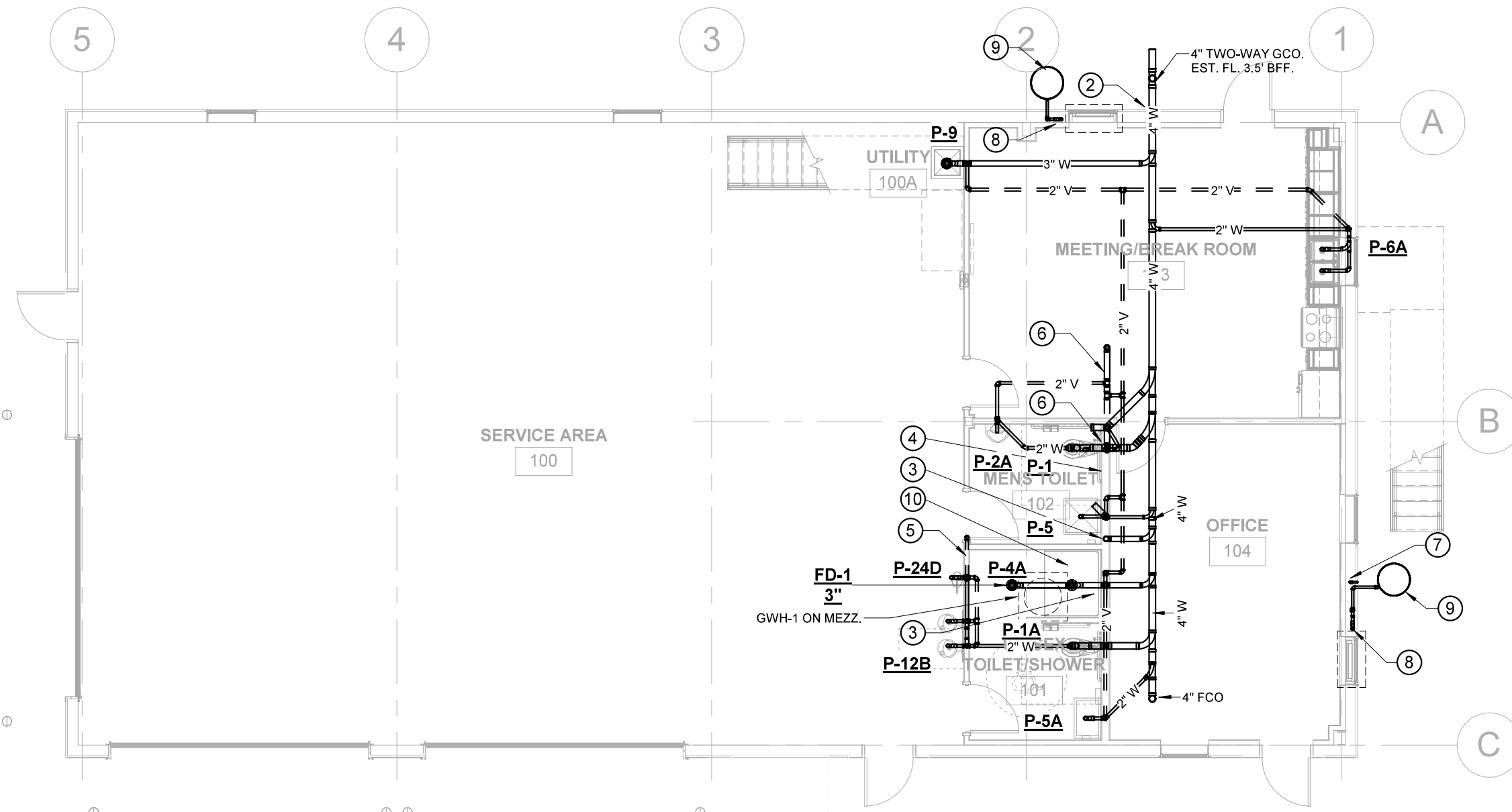
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PLUMBING
CORE & SHELL

P1.0
SHEET 24 OF 34

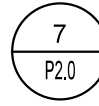
PLAN KEYED NOTES

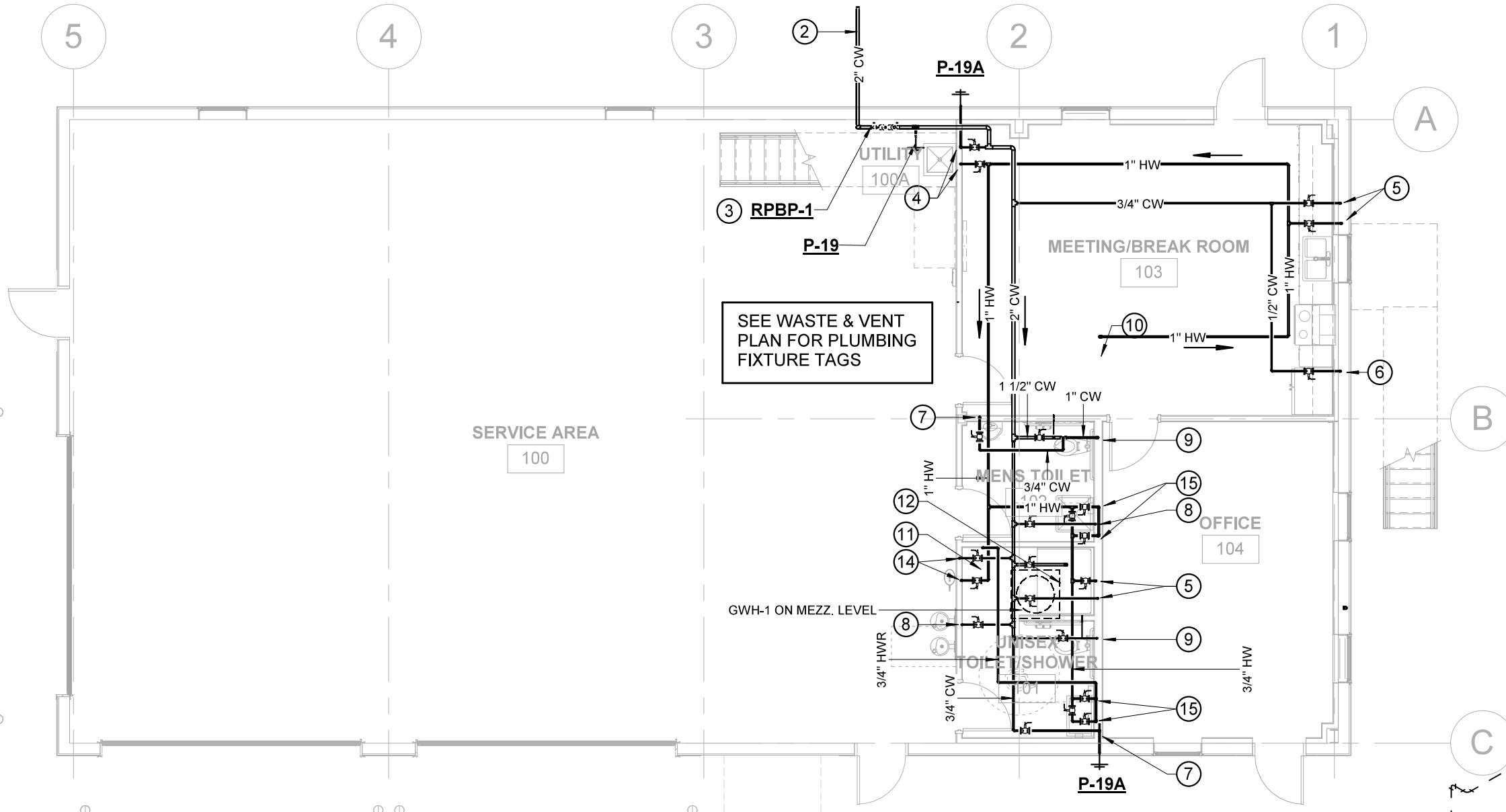
- SEE CIVIL ENGINEERING SITE PLAN FOR CONTINUATION.
- COORDINATE EXACT LOCATION OF PLUMBING WITH STRUCTURAL FOOTING PRIOR TO CONSTRUCTION.
- 3" WASTE UP
- 4" WASTE UP W/ WCO.
- 2" VENT UP.
- 3" VENT UP.
- 1" DRAIN PAN FROM ABOVE. SPILL 6" ABOVE GRADE.
- 1 1/4" CONDENSATE CONNECTION WITH DEEP SEAL TRAP. COORDINATE EXACT LOCATION OF DRAIN PRIOR TO CONSTRUCTION.
- DRY WELL. SEE DETAIL 
- COORDINATE REQUIREMENT FOR SLAB DEPRESSION AS REQUIRED.



4 FIRST FLOOR PLAN - WASTE AND VENT
1/8" = 1'-0"

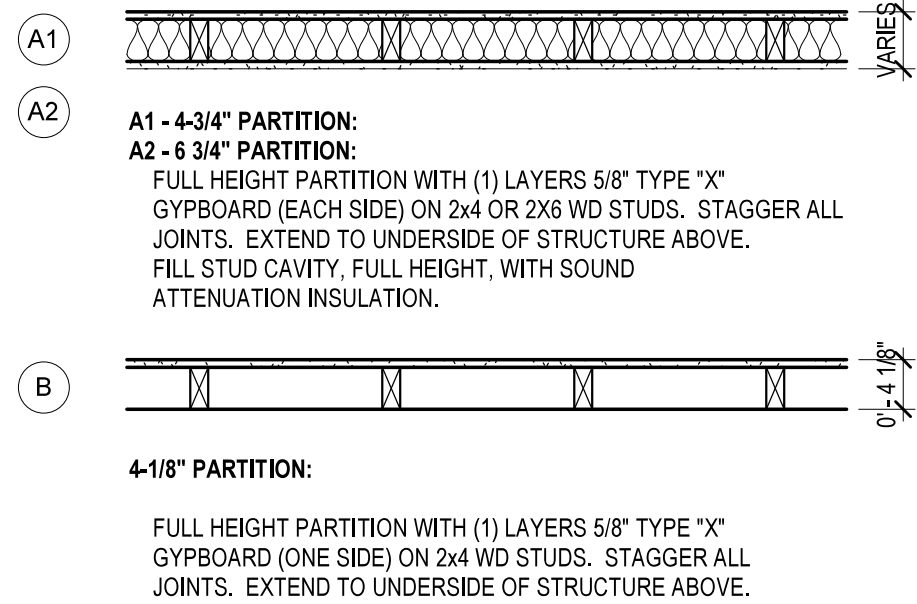
PLAN KEYED NOTES

- SEE CIVIL ENGINEERING SITE PLAN FOR CONTINUATION.
- 2" DOMESTIC CW SERVICE. MAX. DEMAND 46 GPM.
- CONTRACTOR SHALL COORDINATE WITH LOCAL WATER SUPPLIER AND PROVIDE POINT OF ENTRY BACKFLOW PREVENTER AS REQUIRED. PIPE UNIT RELIEF OPENING THRU EXTERIOR WALL AND SPILL 6" ABOVE GRADE. PROVIDE BUG SCREEN OR FLAPPER.
- 3/4" HW & 3/4" CW DN.
- 1/2" HW & CW DN.
- 1/2" CW DN. TO ICE MAKER BOX. MAKE FINAL CONNECTION AS REQUIRED.
- 3/4" CW DN.
- 1/2" CW DN.
- 1" CW DN.
- 1" HW FROM ABOVE.
- 3/4" HWR UP.
- 1 1/2" CW UP.
- NOT USED.
- 3/4" HW & CW DN.
- 3/4" HW MAIN UP & DN. SEE DOMESTIC HW LOOP DETAIL 

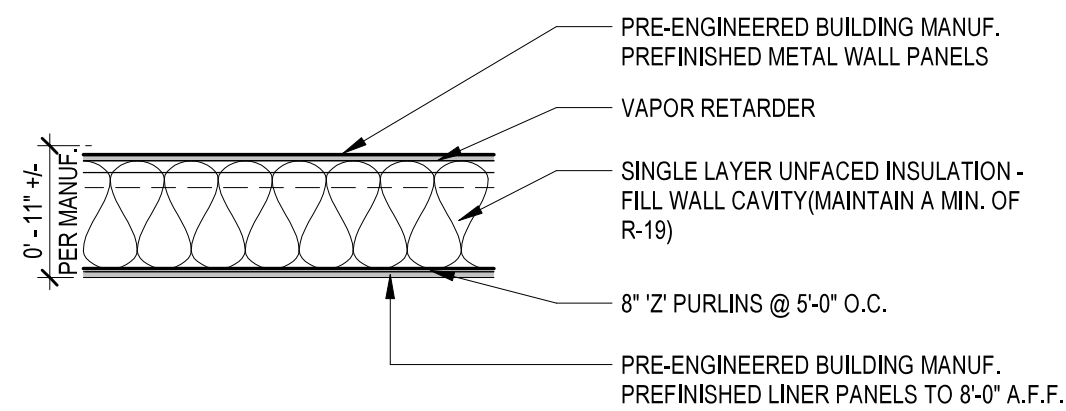


2 FIRST FLOOR PLAN - WATER
1/8" = 1'-0"

INTERIOR WALL TYPES

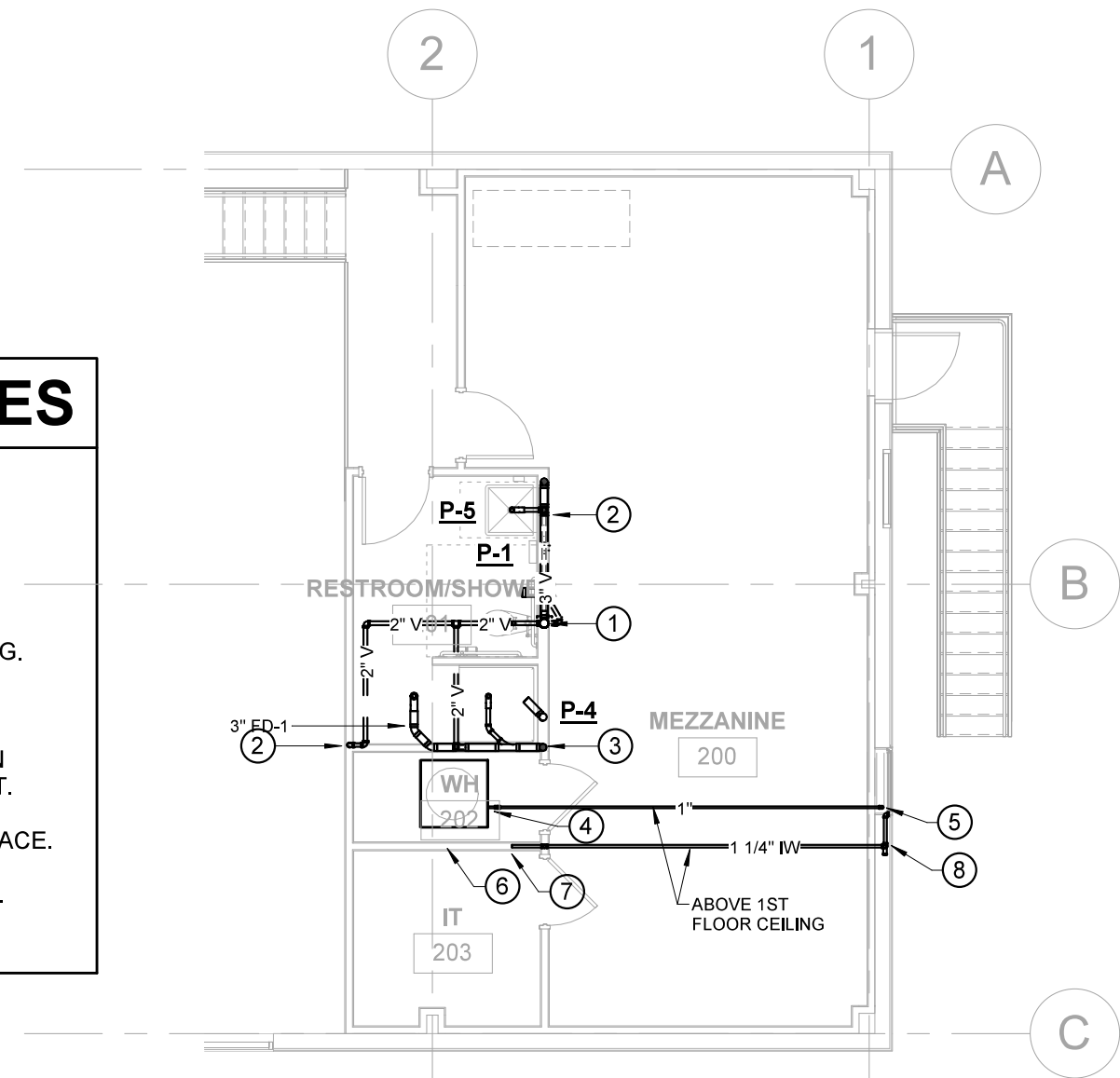


EXTERIOR WALL TYPES



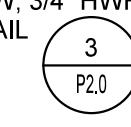
PLAN KEYED NOTES

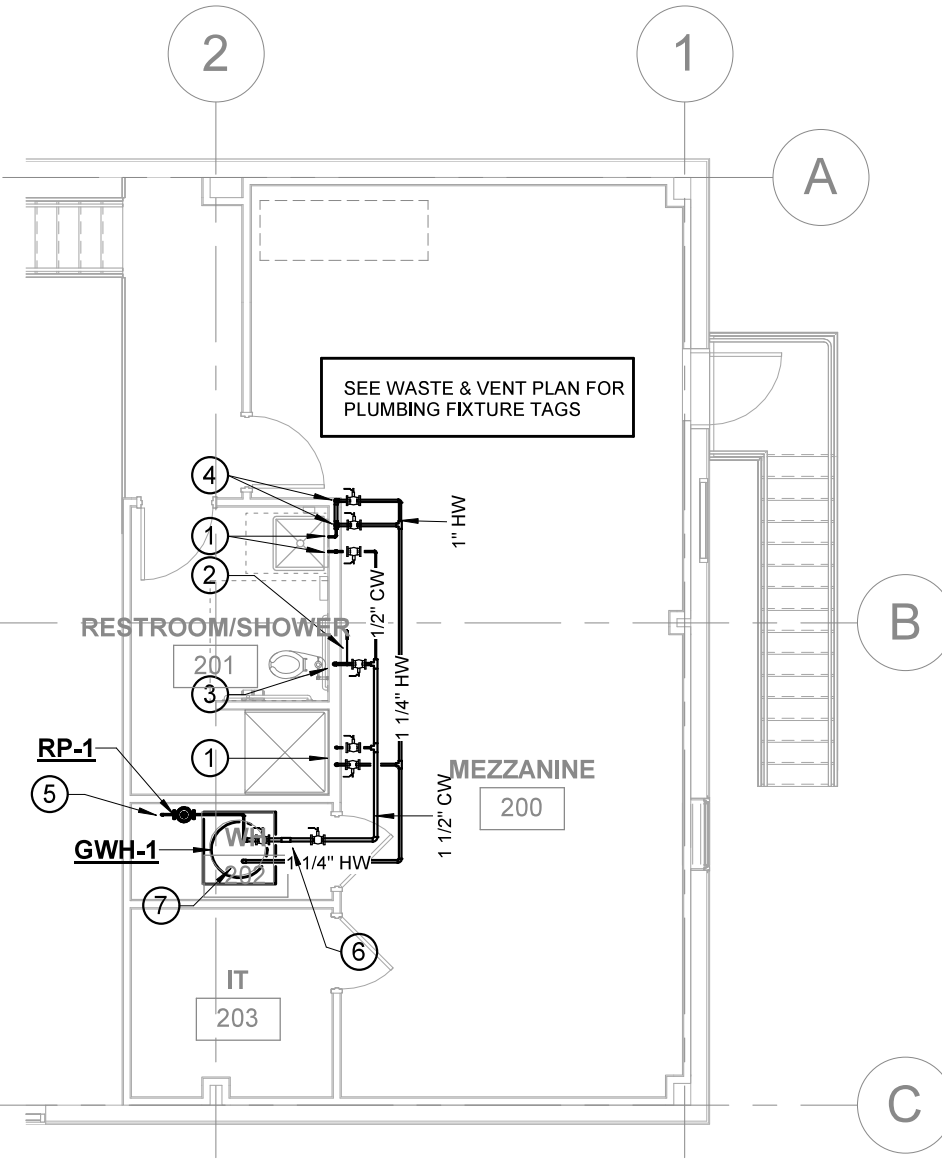
- 4" WASTE DN. & 4" VTR.
- 2" VENT FROM BELOW.
- 3" WASTE DN.
- 1" DRAIN PAN TO ABOVE 1ST FLOOR CEILING.
- 1" DRAIN PAN. DN.
- PROVIDE CARBON MONOXIDE MONITOR ON EXTERIOR WALL OF WATER HATER CLOSET. THE ACTIVATION OF THE MONITOR SHALL SOUND AN AUDIBLE ALARM WITHIN THE SPACE.
- CONDENSATE CONNECTION FOR AC UNITS.
- 1 1/4" IW/CONDENSATE DRAIN DN.



3 MEZZ LEVEL PLAN - WASTE AND VENT
1/8" = 1'-0"

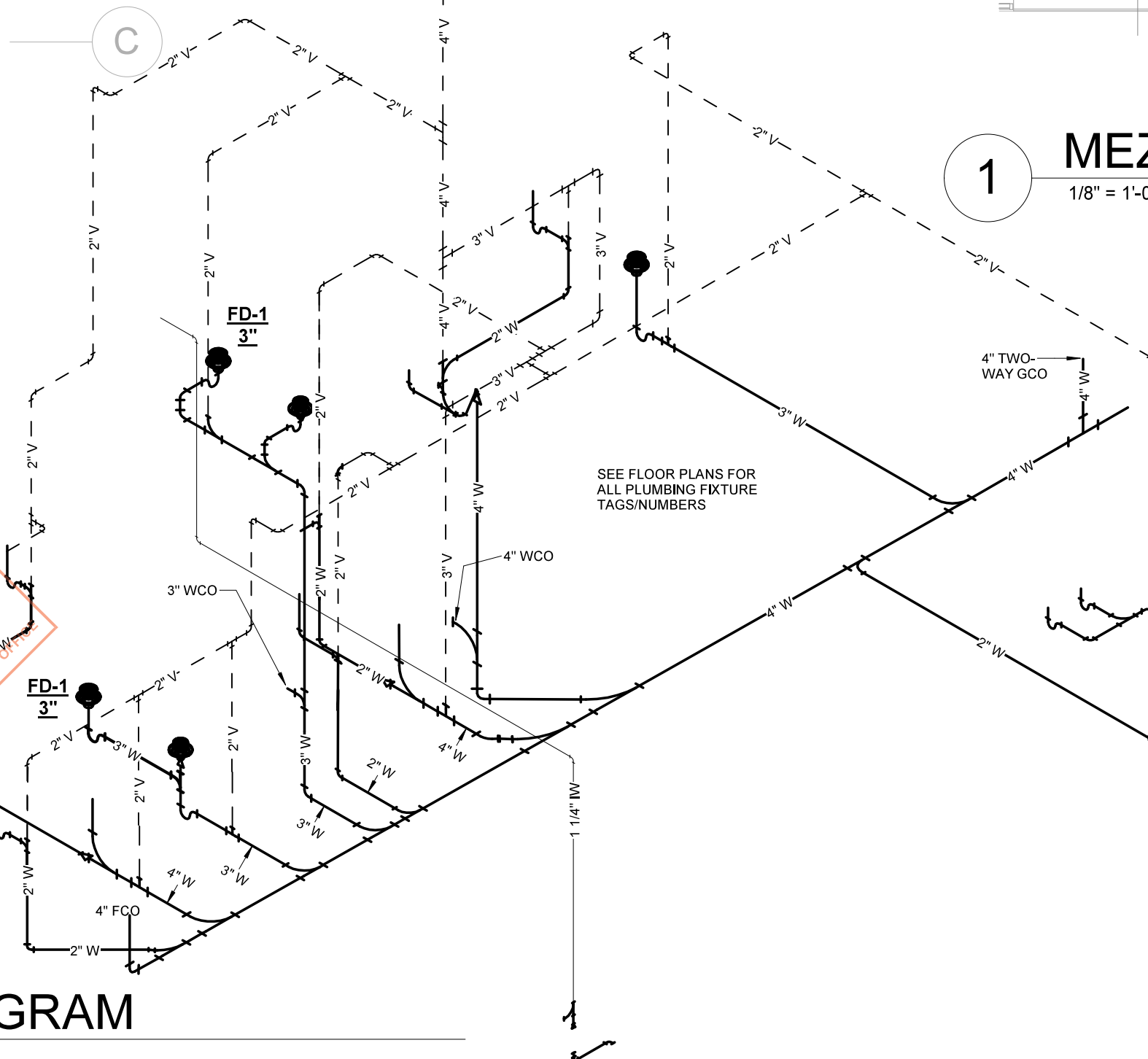
PLAN KEYED NOTES

- 1/2" HW & CW DN.
- BALL VALVE AND SHOCK ARRESTOR ABOVE CEILING. PROVIDE ACCESS PANEL AS REQUIRED.
- 1" CW DN.
- 1" HW DN.
- 3/4" HWR FROM BELOW.
- 1 1/2" CW FROM BELOW.
- 1 1/4" HW, 1 1/4" CW, 3/4" HWR TO WATER HEATER. SEE TYPICAL DETAIL 



1 MEZZ LEVEL PLAN - WATER
1/8" = 1'-0"

5 PLUMBING RISER DIAGRAM



THESE PLANS AND SPECIFICATIONS ARE REQUIRED TO BE SEEN ON THE JOB SITE OCCUPANCY OR BEFORE COMPLETION OF THE PROJECT. NO ALTERATIONS, DELETIONS, OR ADDITIONS TO THESE PLANS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE DESIGNER. TENSILE STRENGTH MARSHALL 2.0 W

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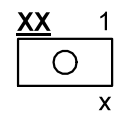
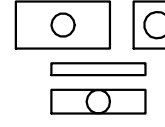


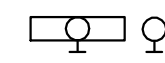
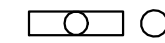

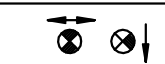

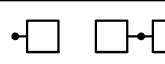
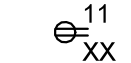




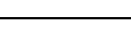
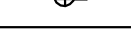

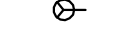







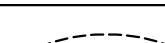


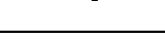

















STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PLUMBING
FIRST FLR./
MEZZ.BUILD-OUT
P1.1

SHEET 25 OF 34

PHASE CONSTRUCTION AUGUST 18, 2023
FIELD SET TFM# 21349 PROJECT# 2024-04-17-10



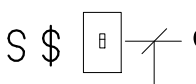
LEGEND		(NOT ALL SYMBOLS MAY BE USED)
SYMBOL	DESCRIPTION	
LIGHTING		
	LIGHTING FIXTURE ANNOTATIONS (LOCATION OF DESIGNATORS MAY VARY) FIXTURE TYPE: XX CIRCUIT NUMBER: 1 CONTROL DESIGNATION: x	
	SURFACE, SUSPENDED, OR RECESSED LUMINAIRES (TYPE DETERMINES MOUNTING)	
	RECESSED OR SURFACE DOWNLIGHT LUMINAIRE	
	PENDANT MOUNTED LUMINAIRE	
	WALL MOUNTED LUMINAIRES	
	NO SHADING INDICATES CONNECTION TO NORMAL BRANCH CIRCUIT	
	SHADING INDICATES BATTERY BACKUP	
	ILLUMINATED EXIT SIGNS, PROVIDE DIRECTIONAL ARROWS AND MOUNTING AS INDICATED ON PLANS	
	BATTERY POWERED EMERGENCY LIGHT	
	POLE MOUNTED SITE LIGHTING LUMINAIRES	
RECEPTACLES		
	DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT 11 = CIRCUIT NUMBER (TYPICAL) XX= RECEPTACLE DESIGNATOR (TYPICAL)	
	DUPLEX RECEPTACLE - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	DOUBLE-DUPLEX RECEPTACLE	
	DOUBLE-DUPLEX RECEPTACLE - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	DUPLEX GFCI RECEPTACLE	
	DUPLEX GFCI RECEPTACLE - ABOVE COUNTER OR SPECIAL MOUNTING HEIGHT	
	SWITCHED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT	
	SPECIAL CONFIGURATION RECEPTACLE (TYPE AS NOTED)	
	FLOOR MOUNTED RECEPTACLE	
SWITCHES AND LIGHTING CONTROLS		
	SINGLE POLE SWITCH	
	THREE-WAY SWITCH	
	DIMMER SWITCH	
	OCCUPANCY SENSOR SWITCH, WALL MOUNT	
	VACANCY DIMMER	
	MOTOR RATED SWITCH WITH THERMAL OVERLOAD	
CIRCUITS AND RACEWAYS		
	BRANCH CIRCUIT OR RACEWAY CONCEALED OR EXPOSED	
	BRANCH CIRCUIT OR RACEWAY BELOW OR IN FLOOR SLAB OR BELOW GRADE	
	CONDUIT OR RACEWAY TURNING UP	
	CONDUIT OR RACEWAY TURNING DOWN	
	CAPPED CONDUIT OR RACEWAY	
	CIRCUIT OR CONDUIT CONTINUATION	
	HOMERUN TO PANELBOARD - NUMBER OF ARROWHEADS INDICATES QUANTITY OF CIRCUITS. REFER TO SPECIFICATIONS FOR MINIMUM CONDUIT SIZES.	
	NOTES: 1. ALL BRANCH CIRCUITS SHALL BE #12 AWG MINIMUM. REFER TO THE SPECIFICATIONS FOR UPSIZING REQUIREMENTS DUE TO VOLTAGE DROP OR OTHER PURPOSES. 2. ALL BRANCH CIRCUITS SHALL CONTAIN A SEPARATE GREEN INSULATED GROUNDING CONDUCTOR, #12 AWG MINIMUM, OR OTHERWISE AS NOTED. 3. ALL 120V AND 277V BRANCH CIRCUITS SHALL UTILIZE A SEPARATE DEDICATED NEUTRAL UNLESS OTHERWISE NOTED.	

LEGEND		(NOT ALL SYMBOLS MAY BE USED)
SYMBOL	DESCRIPTION	
MISCELLANEOUS		
	NON-FUSIBLE SAFETY SWITCH, SIZE AS NOTED (AMP RATING/POLES)	
	FUSIBLE SAFETY SWITCH, SIZE AS NOTED (AMP RATING/POLES/FUSE SIZE)	
	COMBINATION MOTOR STARTER/SAFETY SWITCH	
	FACTORY WIRED CONTROLLER OR EQUIPMENT	
	MOTOR CONNECTION	
	JUNCTION BOX	
	PANELBOARD	
	VARIABLE FREQUENCY DRIVE	
	SPECIALTY EQUIPMENT TAG	
	MECHANICAL EQUIPMENT TAG	
	COMMUNICATIONS OUTLET - STANDARD MOUNTING HEIGHT, SPECIAL MOUNTING HEIGHT, CEILING	
	WALL PHONE	
ABBREVIATIONS		
ABC	ABOVE COUNTER	
AFCI	ARC FAULT CIRCUIT INTERRUPTER	
AFF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
CLG	CEILING	
COF	COFFEE MACHINE	
COP	COPIER	
CR	CONTROLLED RECEPTACLE	
E	EMERGENCY POWER	
EPO	EMERGENCY POWER OFF	
EWC	ELECTRIC WATER COOLER	
FBO	FURNISHED BY OTHERS	
FLR	FLOOR MOUNTED	
FSD	FIRE/SMOKE DAMPER	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
ICE	ICE MACHINE/MAKER	
IG	ISOLATED GROUND	
MW	MICROWAVE	
PC	PERSONAL COMPUTER WORKSTATION	
PR	PRINTER	
RF	REFRIGERATOR	
TC	TIME CLOCK	
TV	TELEVISION	
URF	UNDERCOUNTER REFRIGERATOR	
USB	RECEPTACLE WITH USB OUTLET(S)	
USBX	USB ONLY (X) = NUMBER OF USB OUTLETS	
VFD	VARIABLE FREQUENCY DRIVE	
VM	VENDING MACHINE	
WP	WEATHERPROOF	

NO SPECIFICATIONS
SHALL BE KEPT ON THE
DRAWING. CERTIFICATE
REQUIRED BY
PROJECT

SHEET INDEX	
NUMBER	SHEET NAME
E0.1	ELECTRICAL LEGENDS
E1.0	ELECTRICAL CORE AND SHELL
E1.1	ELECTRICAL BUILD-OUT & MEZZANINE
E6.1	ELECTRICAL SCHEDULES

EQUIPMENT NOMENCLATURE	
EQUIPMENT IDENTIFICATION TAGS ARE COMPOSED AS FOLLOWS: <div><div>[EQUIPMENT TYPE]</div><div>[BRANCH OF POWER]</div><div>[VOLTAGE]</div><div>[LEVEL]</div><div>[LOCATION]</div></div> EXAMPLE: <div><div>MSBNH1A</div><div>MAIN SWITCHBOARD NORMAL POWER</div><div>AREA A LEVEL 1 480/277V</div></div>	
EQUIPMENT TYPES: <div>MSG = MAIN SWITCH GEAR SD = SERVICE DISCONNECT DSG = DISTRIBUTION SWITCHGEAR MSB = MAIN SWITCHBOARD DSB = DISTRIBUTION SWITCHBOARD USB = UNIT SUBSTATION UPS = UNINTERRUPTIBLE POWER SUPPLY MDP = MAIN DISTRIBUTION PANELBOARD DP = DISTRIBUTION PANELBOARD IP (OR P) = ISOLATED POWER PANELBOARD LP (OR P) = LIGHTING & BRANCH APPLIANCE PANELBOARD</div> <div>LCP = LIGHTING CONTROL PANEL LRP = LIGHTING RELAY PANEL DCP = DIMMING CONTROL PANEL MCC = MOTOR CONTROL CENTER X = TRANSFORMER G = GENERATOR ATS = AUTOMATIC TRANSFER SWITCH MTS = MANUAL TRANSFER SWITCH WG = WIRING GUTTER EL-# = ELEVATOR (# REPRESENTS CAB)</div>	
BRANCHES OF POWER: N = NORMAL S = LIFE SAFETY Q = EQUIPMENT E = EMERGENCY C = CRITICAL U = UPS	VOLTAGE H = 480/277V L = 208/120V
LEVELS: 1 = LEVEL 1 4 = LEVEL 4 7 = LEVEL 7 2 = LEVEL 2 5 = LEVEL 5 8 = LEVEL 8 3 = LEVEL 3 6 = LEVEL 6 9 = LEVEL 9	AREA / QUAD / SECTOR: A = AREA A D = AREA D G = AREA G B = AREA B E = AREA E H = AREA H C = AREA C F = AREA F I = AREA I

NOTES: 1. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND ADDITIONAL INFORMATION. ARCHITECTURAL ELEVATIONS SHALL GOVERN FOR SPECIAL MOUNTING HEIGHT RECEPTACLES AND SWITCHES. 2. COORDINATE ALL SPECIAL HEIGHT RECEPTACLES FOR TELEVISIONS WITH MOUNTING BRACKET AND CATV OUTLET. 3. REFER TO LEGENDS FOR SYMBOLS NOT SHOWN.	
<div>ABOVE COUNTER OR SPECIAL HEIGHT RECEPTACLES (WHERE NO CASEWORK IS PRESENT, MOUNTING HEIGHT AS NOTED)</div> <div></div> <div>COUNTER, WORK SURFACE, OR RIM OF WALL MOUNTED SINK.</div> <div>STANDARD HEIGHT RECEPTACLES</div> <div></div> <div>FINISHED FLOOR</div>	<div>LIGHTING SWITCHES/ CONTROLS</div> <div></div> <div>46"</div> <div>48"</div> <div>80"</div>

PROJECT NO. 39999-3609-04

PIN NO. 131121.0

REVISIONS

DATE

BY

DESCRIPTION

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD
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PHASE

CONSTRUCTION

AUGUST 18, 2023

PROJECT# 2024-04-17-10

FIELD SET TFM# 21349


Wold HFR
DESIGN

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FAX: (901) 683-3990
www.ssr-inc.com
SSR Project #: 22640620

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ELECTRICAL
LEGENDS

E0.1

SHEET 27 OF 34

SHEET KEYED NOTES

- ① PANEL AIC RATING IS BASED ON ASSUMPTION OF 75KVA UTILITY TRANSFORMER. CONTACT ELECTRICAL ENGINEER IF AVAILABLE FAULT CURRENT EXCEEDS 22,000 AMPS.
- ② CONFIRM BREAKER SIZE WITH EQUIPMENT MANUFACTURER AND ADJUST WIRING AS REQUIRED. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH MECHANICAL.
- ③ COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER.
- ④ PROVIDE 60/2 NON FUSED DISCONNECT FOR AIR COMPRESSOR. PROVIDE 2#6, 1#10G, IN 3/4"C. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH EQUIPMENT PROVIDER.
- ⑤ PROVIDE LOCAL DISCONNECT AT FLOOR LEVEL. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER AND LOCATION WITH OWNER.
- ⑥ PROVIDE 400 AMP, 2-POLE, 3-WIRE, NEMA 3R, FUSIBLE, QUICK CONNECT DOUBLE THROW SAFETY SWITCH WITH INTEGRATED CAMLOCK RECEPTACLES. THE SAFETY SWITCH WILL CONNECT THE ELECTRICAL UTILITY TO THE BUILDING IN THE UPPER POSITION AND WILL ENERGIZE THE CAMLOCK RECEPTACLES IN THE LOWER POSITION. QUICK CONNECT DOUBLE THROW SAFETY SWITCH TO BE EATON CATALOG NUMBER DT225NNRKLK OR APPROVED EQUAL. PROVIDE 400 AMP FUSES IN BOTH UPPER AND LOWER POSITION. PROVIDE BONDING JUMPER BETWEEN NEUTRAL AND GROUND BUS.
- ⑦ COORDINATE INSTALLATION OF WALL MOUNTED EXIT LIGHT WITH MOUNTING OF EF-1 MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.

GENERAL NOTES

- A. VISIT PROJECT SITE BEFORE SUBMISSION OF BID AND BECOME FAMILIAR WITH EXISTING CONDITIONS, LOCATIONS OF UTILITIES, AND EXTENT OF DEMOLITION REQUIRED.
- B. CONFIRM CAPACITY OF EXISTING TRANSFORMER AND COORDINATE UPGRADE WITH UTILITY IF NEEDED. PROVIDE TRENCHING, CONDUIT, METER BASE, CONCRETE PAD AND OTHER ITEMS AS REQUIRED.
- C. PROVIDE CONTROL POWER SOURCE FOR ALL STARTERS AND CONTROL PANELS NOT SUPPLIED WITH CONTROL POWER TRANSFORMERS. INSTALL AND CONNECT ALL CONTROL DEVICES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- D. VERIFY ELECTRICAL POWER REQUIREMENTS FOR ALL EQUIPMENT WITH SUBMITTALS. PROVIDE CIRCUITS AND FUSES SIZED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- E. MAINTAIN CODE REQUIRED WORKING CLEARANCE AT ALL ELECTRICAL PANELS, DISCONNECT SWITCHES AND STARTERS.
- F. PROVIDE DISCONNECT SWITCH FOR ANY HARDWIRED EQUIPMENT NOT SUPPLIED WITH DISCONNECTING MEANS.
- G. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND CONTROL REQUIREMENTS FOR MECHANICAL EQUIPMENT AND INSTALL STARTERS, DISCONNECT SWITCHES AND CONVENIENCE RECEPTACLES THAT MAY BE FURNISHED WITH THE EQUIPMENT.
- H. COORDINATE EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL DRAWINGS. PROVIDE FIXTURES COMPATIBLE WITH CEILING TYPE INSTALLED.
- I. LIGHTING FIXTURES FOR EMERGENCY USE SHALL BE PROVIDED WITH INTEGRAL BATTERY. THOSE FIXTURES SHALL BE CIRCUITED SUCH THAT THEY AUTOMATICALLY SWITCH TO BATTERY OPERATION UPON FAILURE OF POWER TO CIRCUIT. EXIT LIGHTS SHALL BE UNSWITCHED.
- J. CONNECT SINGLE STATION CEILING MOUNTED SMOKE DETECTORS SUCH THAT WHEN ONE GOES INTO ALARM, ALL WILL SOUND ALARM.
- K. ALL RECEPTACLES ON DEDICATED CIRCUITS SHALL BE RATED NO LESS THAN CIRCUIT OVER CURRENT DEVICE.
- L. LIGHTS IN EACH OFFICE WITH MORE THAN ONE FIXTURE SHALL BE FURNISHED WITH A B-LEVEL DRIVER (50% / 100%) TO FACILITATE DUEL LEVEL SWITCHING. PROVIDE A THREE POSITION SWITCH (OFF / 50% / 100%) IN EACH OFFICE.
- M. EXTERIOR LIGHTING SHALL BE TURNED ON AT DUSK BY A PHOTOCELL AND TURNED OFF AT A PRESET TIME BY A TIME SWITCH. PHOTOCELL SHALL BE MOUNTED ON BUILDING NEAR ROOF. TIME SWITCH SHALL BE MOUNTED ADJACENT TO ELECTRICAL PANEL. TIME SWITCH SHALL BE SEVEN DAY WITH RESERVE POWER.

PROJECT NO.	39999-3609-04
PIN NO.	131121.0
BY	DATE
REVISIONS	
DESCRIPTION	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321

PHASE
CONSTRUCTION
AUGUST 18, 2023

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

Wold HFR DESIGN

214 Centerville Drive Suite 300
Brentwood, TN 37027
woldae.com phone: 615.370.8500
fax: 615.370.8530

SSR Smith
Seckman
Reid, Inc.

2650 Thousand Oaks Boulevard,
Suite 4200
Memphis, TN 38118
(901) 683-3900
FAX: (901) 683-3990
www.ssr-inc.com
SSR Project #: 22640620

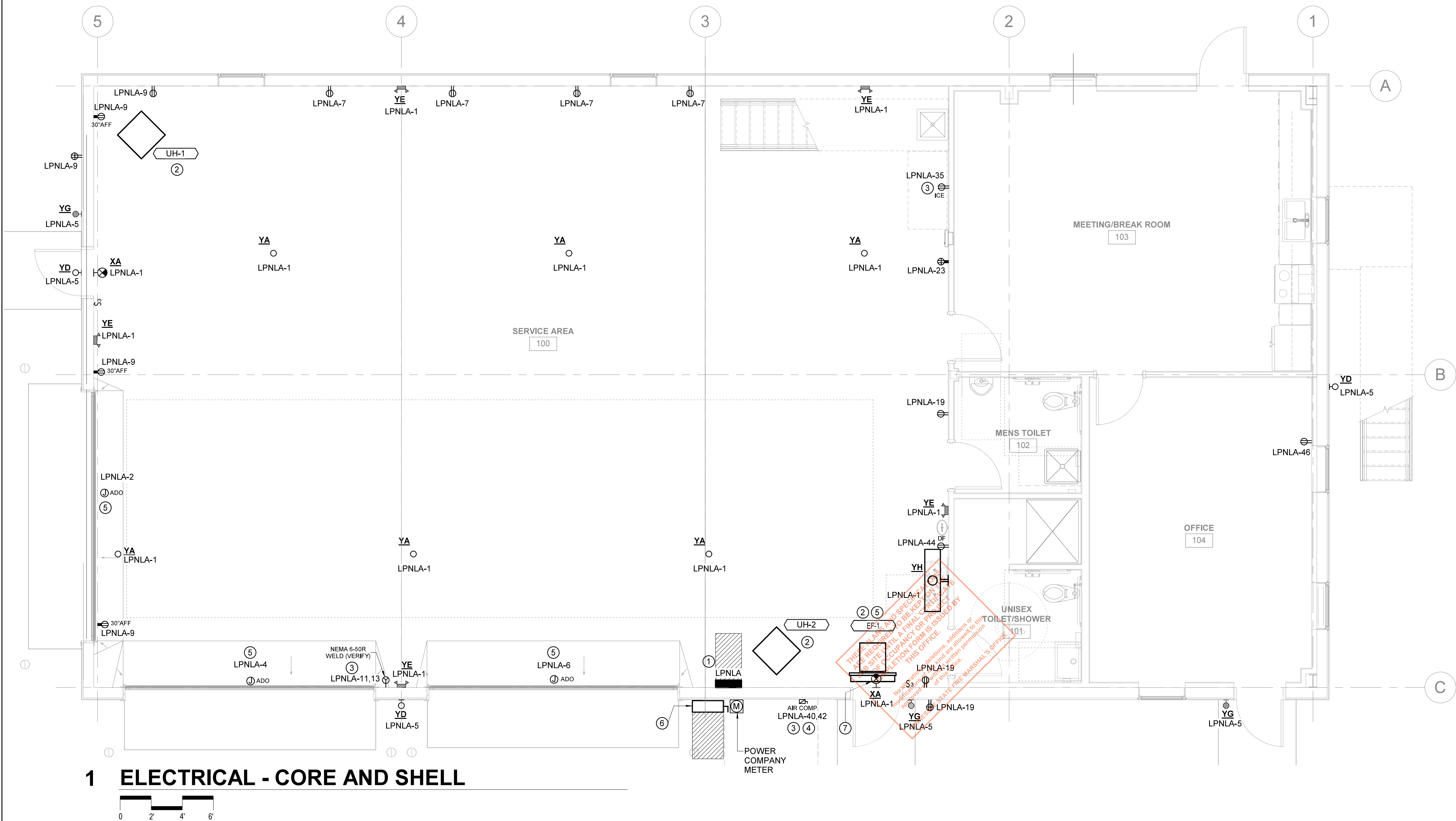
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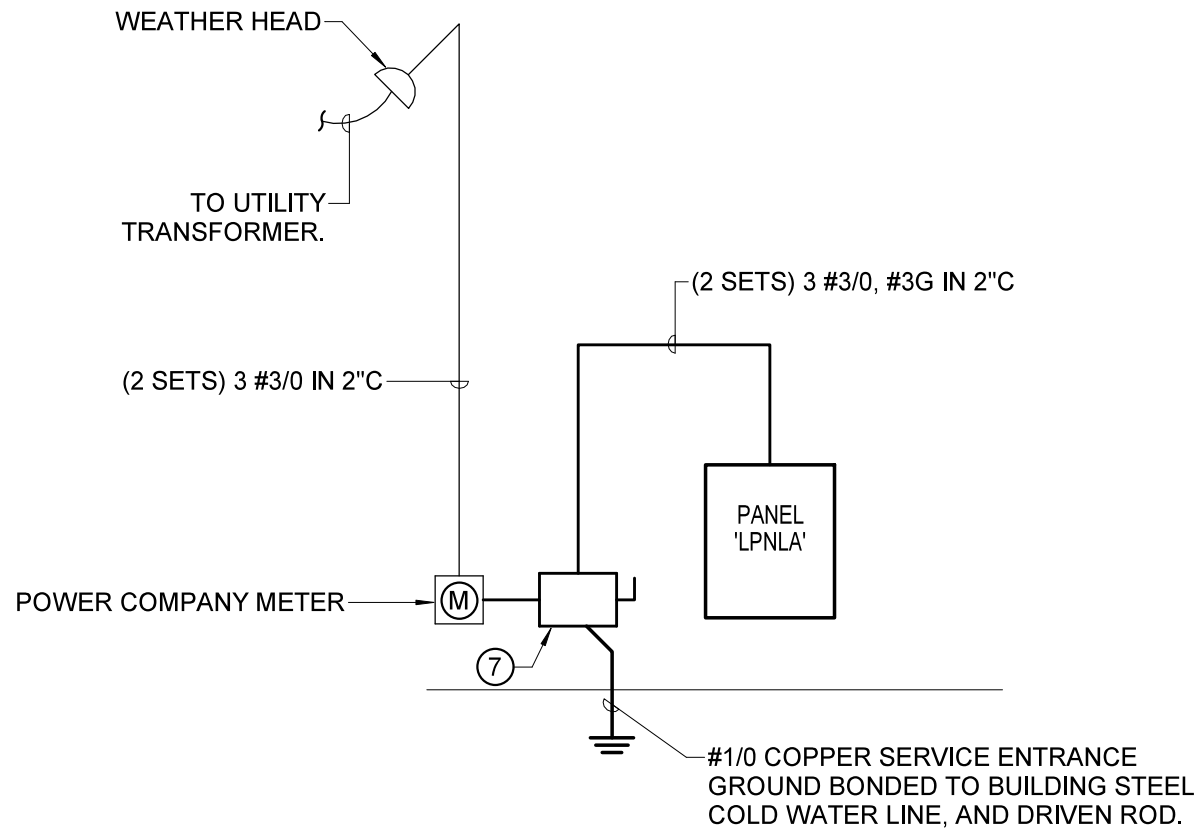
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ELECTRICAL
CORE AND
SHELL
E1.0

SHEET 28 OF 34



1 ELECTRICAL - CORE AND SHELL



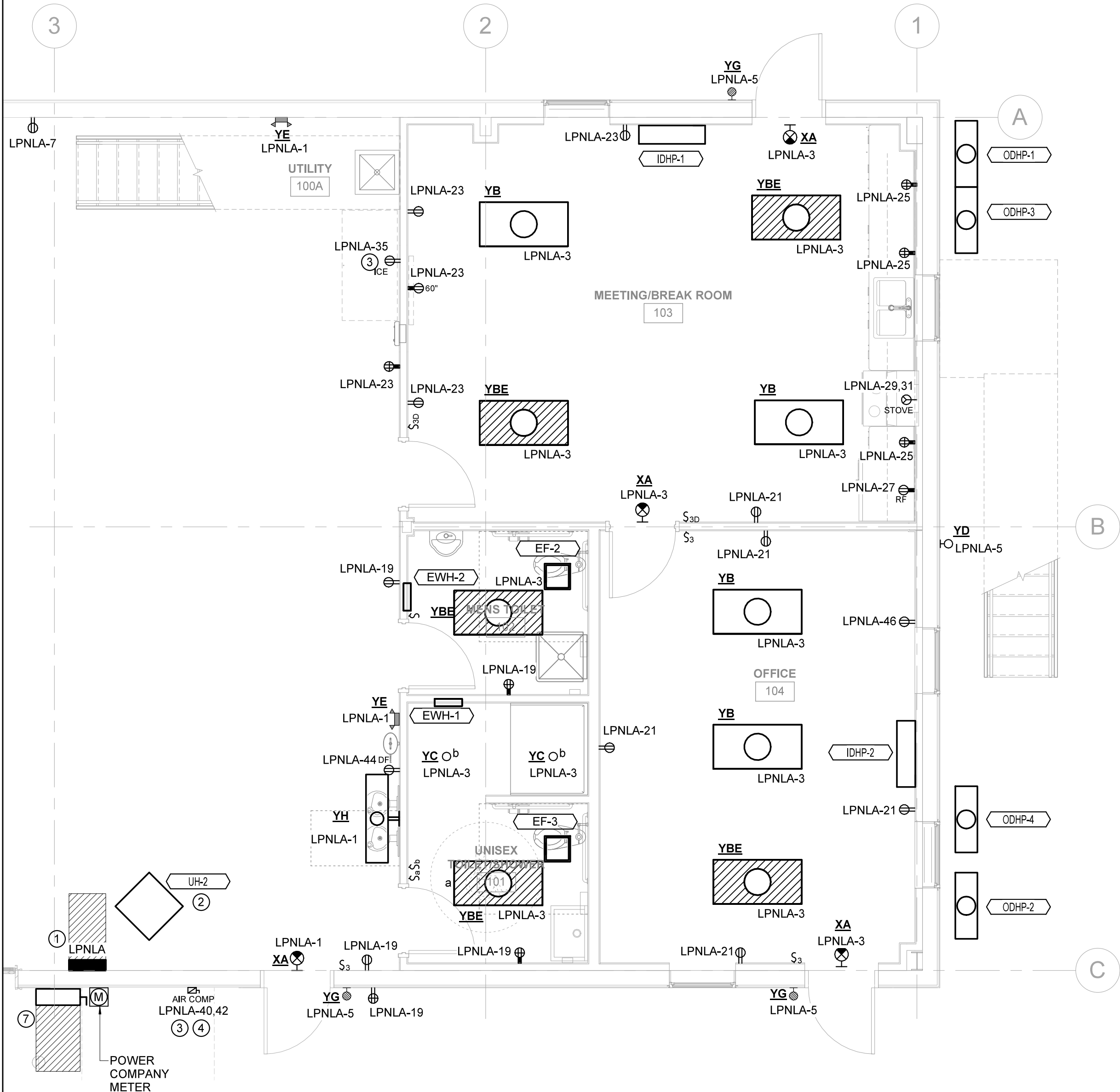
POWER RISER DIAGRAM - BUILD-OUT
NOT TO SCALE

SHEET KEYED NOTES

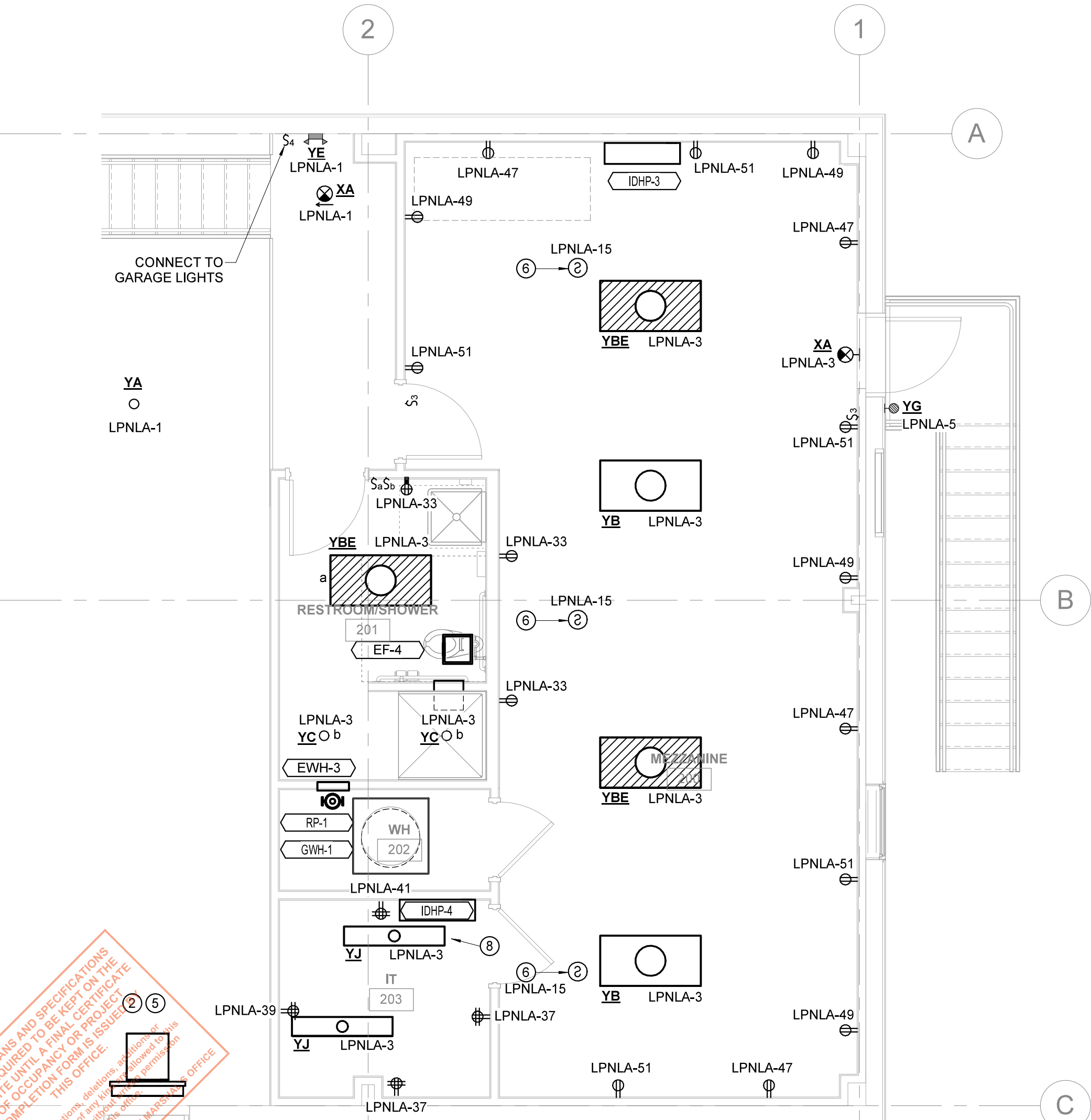
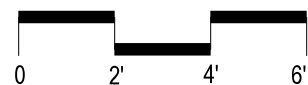
- 1 PANEL AIC RATING IS BASED ON ASSUMPTION OF 75KVA UTILITY TRANSFORMER. CONTACT ELECTRICAL ENGINEER IF AVAILABLE FAULT CURRENT EXCEEDS 22,000 AMPS.
- 2 CONFIRM BREAKER SIZE WITH EQUIPMENT MANUFACTURER AND ADJUST WIRING AS REQUIRED. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH MECHANICAL.
- 3 COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER.
- 4 PROVIDE 60/2 NON FUSED DISCONNECT FOR AIR COMPRESSOR. PROVIDE 2#5, 1#10G, IN 3/4"C. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH EQUIPMENT PROVIDER.
- 5 PROVIDE LOCAL DISCONNECT AT FLOOR LEVEL. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER AND LOCATION WITH OWNER.
- 6 PROVIDE MULTI-STATION 110 DBA DEVICE TO COMPLY WITH NFPA 72 SECTION 18.4.5 FOR SMOKE DETECTION WITHIN 16' OF HEAD OF FUTURE COTS. MAKE 120V CONNECTION AND MAKE CONTROL CONNECTIONS SO THAT IF ONE DEVICE DETECTS SMOKE, ALL DEVICES ALARM. PROVIDE BATTERY BACKUP TO MAINTAIN POWER FOR 24 HOURS WITH ALARM FOR 15 MINUTES AFTERWARDS AT FULL POWER.
- 7 PROVIDE 400 AMP, 2-POLE, 3-WIRE, NEMA 3R, FUSIBLE, QUICK CONNECT DOUBLE THROW SAFETY SWITCH WITH INTEGRATED CAMLOCK RECEPTACLES. THE SAFETY SWITCH WILL CONNECT THE ELECTRICAL UTILITY TO THE BUILDING IN THE UPPER POSITION AND WILL ENERGIZE THE CAMLOCK RECEPTACLES IN THE LOWER POSITION. QUICK CONNECT DOUBLE THROW SAFETY SWITCH TO BE EATON CATALOG NUMBER DT225NNRKL OR APPROVED EQUAL. PROVIDE 400 AMP FUSES IN BOTH UPPER AND LOWER POSITION. PROVIDE BONDING JUMPER BETWEEN NEUTRAL AND GROUND BUS.
- 8 COORDINATE LIGHT FIXTURES WITH TECHNOLOGY OVERHEAD RACKS.

GENERAL NOTES

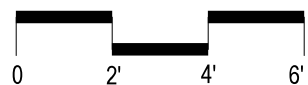
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1 ELECTRICAL FIRST FLOOR - BUILD-OUT



2 ELECTRICAL MEZZANINE PLAN



THESE PLANS AND SPECIFICATIONS ARE REQUIRED TO BE LEFT ON THE JOB SITE OCCUPANCY FORM IS ISSUED. COMPLETION OF THIS OFFICE IS REQUIRED. No alterations, deletions, or additions shall be made without the approval of the architect. Tennessee State Fire Marshal's Office

PROJECT NO.		39999-3609-04
PIN NO.		131121.0
REVISIONS	BY	DATE
	DESCRIPTION	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING
370 ROCK MILAM ROAD
CEDAR GROVE, TN 38321

PHASE CONSTRUCTION DATE AUGUST 18, 2023

Wold HFR DESIGN
214 Centerville Drive Suite 300
Brentwood, TN 37027
woldae.com phone: 615.370.8500
fax: 615.370.8530

SSR Smith Seckman Reid, Inc.
2650 Thousand Oaks Boulevard,
Suite 4200
Memphis, TN 38118
(901) 683-3900
FAX: (901) 683-3990
www.ssr-inc.com
SSR Project #: 22640620

SEALED BY

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

<div><div><div>Name: LPNLA</div><div>Location: SERVICE AREA 100</div><div>Supply From: UTILITY XFMR</div><div>Mounting: SURFACE</div><div>Enclosure: NEMA 1</div></div><div><div>Volts: 120/240 Single</div><div>Phases: 1</div><div>Wires: 3</div></div><div><div>A.I.C. Rating: 22.000</div><div>Mains Type: MCB</div><div>Bus Rating: 400 A</div><div>MCB Rating: 400 A</div></div></div>											
Notes:											
CKT	Circuit Description	Notes	Trip	Poles	A (VA)	B (VA)	Poles	Trip	Notes	Circuit Description	CKT
1	Ltg		20	1	959 1000		1	20		Motorized Door	2
3	Ltg		20	1		829 1000	1	20		Motorized Door	4
5	Exterior Ltg		20	1	288 1000		1	20		Motorized Door	6
7	Rec		20	1		720 1440	2	15		IDHP-1/ ODHP-1	8
9	Rec		20	1	900 1440		--	--		--	10
11	Welding Rec	2	50	2		4800 1080	2	15		IDHP-2/ ODHP-2	12
13	--	--	--	--	4800 1080		--	--		--	14
15	Smoke Detection System		20	1		180 1440	2	15		IDHP-3/ ODHP-3	16
17	SPARE		20	1	0 1440		--	--		--	18
19	Rec		20	1		900 1020	2	20		EF-1	20
21	Rec		20	1	900 1020		--	--		--	22
23	Rec		20	1		900 180	1	20		EF-2, 3 & 4	24
25	Kitchen GFCI Rec		20	1	540 1500		1	20		EWI-1	26
27	Refrigerator Rec		20	1		900 1500	1	20		EWI-2	28
29	Stove Rec	2	50	2	5050 1500		1	20		EWI-3	30
31	--	--	--	--		5050 60	1	20		GW-H-1	32
33	Mezzanine Rec		20	1	540 60		1	20		RP-1	34
35	Ice Machine	1	20	1		180 396	1	15		UH-1	36
37	Rec - IT Room		20	1	720 396		1	15		UH-2	38
39	Rec - IT Room		20	1		360 3000	2	60		Air Compressor	40
41	Rec - IT Room		20	1	360 3000		--	--		--	42
43	IDHP-4/ODHP-4	15	2			1080 1200	1	20	1	Drinking Fountain Rec	44
45	--	--	--	--	1080 180			1	20	TTB	46
47	Mezzanine Rec		20	1		720 0	1	20		SPARE	48
49	Mezzanine Rec		20	1	720 0			1	20	SPARE	50
51	Mezzanine Rec		20	1		900 0	1	20		SPARE	52
53	SPARE		20	1	0 0			1	20	SPARE	54
55	SPARE		20	1		0 0	1	20		SPARE	56
57	SPARE		20	1	0 0			1	20	SPARE	58
59	SPARE		20	1		0 0	1	20		SPARE	60
Total Load:					30473 VA	29835 VA					
Total Amps:					254 A	249 A					
Load Classification		Connected Load		Demand Factor		Demand Load		Panel Totals			
Htg		5352 VA		100.00%		5352 VA					
Kitcheq		900 VA		100.00%		900 VA		Total Conn. Load: 60308 VA			
Ltg		2076 VA		125.00%		2595 VA		Total Demand: 56907 VA			
Pwr		9600 VA		100.00%		9600 VA		Total Conn. Current: 251 A			
Rec		20840 VA		73.99%		15420 VA		Total Demand Current: 237 A			
Notes:											
1. PROVIDE GFCI BREAKER AS REQUIRED.											
2. PROVIDE 2#8, #10G IN 1/2" C TO RECEPTACLE.											

MECHANICAL EQUIPMENT CONNECTION SCHEDULE																	
GENERAL NOTES:						REMARKS:						ABBREVIATIONS:					
NONE.						NONE.						FDS = FUSED DISCONNECT SWITCH NFDS = NON-FUSED DISCONNECT SWITCH CMSD = COMBINATION MOTOR STARTER/DISCONNECT SWITCH SMT0 = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD VFD = VARIABLE FREQUENCY DRIVE INT = INTEGRAL DISCONNECT CP = CONTROL PANEL					
TAG	DESCRIPTION	LEVEL	VOLTAGE	PHASE	H.P.	KVA	AMPS	PANEL	CKT.	DISCONNECT DISC. TYPE	RATING	WIRE SIZE	CONDUIT SIZE	REMARKS			
EF-1	EXHAUST FAN	FIRST FLOOR	240 V	1	2	2.0	8.5 A	LPNLA	20,22	NFDS	20A/2P	2 #12, #12G	1/2"	--	COORDINATE WITH MECHANICAL SUBMITTALS AND PROVIDE 20A/1P DISCONNECT FOR NEMA 5-20R RECEPTACLE AS REQUIRED.		
EF-2	EXHAUST FAN	FIRST FLOOR	120 V	1		0.1	0.5 A	LPNLA	24	--	--	2 #12, #12G	1/2"	--			
EF-3	EXHAUST FAN	FIRST FLOOR	120 V	1		0.1	0.5 A	LPNLA	24	--	--	2 #12, #12G	1/2"	--			
EF-4	EXHAUST FAN	MEZZANINE	120 V	1	-	0.1	0.5 A	LPNLA	24	--	--	2 #12, #12G	1/2"	--			
EW-H-1	ELECTRIC WALL HEATER	FIRST FLOOR	120 V	1	-	1.5	12.5 A	LPNLA	26	INT	--	2 #12, #12G	1/2"	--	COORDINATE WITH MECHANICAL SUBMITTALS AND PROVIDE 20A/1P DISCONNECT FOR NEMA 5-20R RECEPTACLE AS REQUIRED.		
EW-H-2	ELECTRIC WALL HEATER	FIRST FLOOR	120 V	1	-	1.5	12.5 A	LPNLA	28	INT	--	2 #12, #12G	1/2"	--			
EW-H-3	ELECTRIC WALL HEATER	MEZZANINE	120 V	1	-	1.5	12.5 A	LPNLA	30	INT	--	2 #12, #12G	1/2"	--			
GW-H-1	GAS WATER HEATER	MEZZANINE	120 V	1	-	0.1	0.5 A	LPNLA	32	--	--	2 #12, #12G	1/2"	--			
IDHP-1	INDOOR HEAT PUMP	FIRST FLOOR	240 V	1	-	2.9	12 A			INT	--	2 #12, #12G	1/2"	--	FED THROUGH ODHP-1		
IDHP-2	INDOOR HEAT PUMP	FIRST FLOOR	240 V	1	-	2.2	9 A			INT	--	2 #12, #12G	1/2"	--	FED THROUGH ODHP-2		
IDHP-3	INDOOR HEAT PUMP	MEZZANINE	240 V	1	-	2.9	12 A			INT	--	2 #12, #12G	1/2"	--	FED THROUGH ODHP-3		
IDHP-4	INDOOR HEAT PUMP	MEZZANINE	240 V	1	-	2.2	9 A			INT	--	2 #12, #12G	1/2"	--	FED THROUGH ODHP-4		
ODHP-1	OUTDOOR HEAT PUMP	FIRST FLOOR	240 V	1	-	2.9	12 A	LPNLA	8,10	NFDS	20A/2P	2 #12, #12G	1/2"	--			
ODHP-2	OUTDOOR HEAT PUMP	FIRST FLOOR	240 V	1	-	2.2	9 A	LPNLA	12,14	NFDS	20A/2P	2 #12, #12G	1/2"	--			
ODHP-3	OUTDOOR HEAT PUMP	FIRST FLOOR	240 V	1	-	2.9	12 A	LPNLA	16,18	NFDS	20A/2P	2 #12, #12G	1/2"	--			
ODHP-4	OUTDOOR HEAT PUMP	FIRST FLOOR	240 V	1	-	2.2	9 A	LPNLA	43,45	NFDS	20A/2P	2 #12, #12G	1/2"	--			
RP-1	RECIRC. PUMP	MEZZANINE	120 V	1	1/25	0.1	0.5 A	LPNLA	34	--	--	2 #12, #12G	1/2"	--	PROVIDE STARTER AND DISCONNECT AS REQUIRED		
UH-1	UNIT HEATER	FIRST FLOOR	120 V	1	-	0.4	3.3 A	LPNLA	36	INT	--	2 #12, #12G	1/2"	--	PROVIDE STARTER AS REQUIRED		
UH-2	UNIT HEATER	FIRST FLOOR	120 V	1	-	0.4	3.3 A	LPNLA	38	INT	--	2 #12, #12G	1/2"	--	PROVIDE STARTER AS REQUIRED		

LUMINAIRE SCHEDULE											
GENERAL NOTES:											
1. REFER TO AND COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR FINAL FIXTURE LOCATIONS, HEIGHTS, CEILING TYPES, MOUNTINGS, FINISHES, ETC.											
2. WHERE SUSPENDED FIXTURES ARE REQUIRED, REFER TO REFLECTED CEILING PLANS AND ELEVATIONS FOR MOUNTING HEIGHT TO PROVIDE PROPER LENGTH OF FIXTURE SUPPORT CABLE. UTILIZE ADJUSTABLE CABLE GRIPPERS FOR FINAL SETPOINT. ONCE FIXTURES ARE LEVELLED, REMOVE EXCESS CABLING. PROVIDE MATCHING FEED CANOPY AT EACH SUPPORT LOCATION AS DIRECTED BY.											
3. WHERE FIXTURES ARE SHOWN WITH CHAIN HANGERS, PROVIDE LONGER CHAIN, IF NEEDED, TO MOUNT AROUND OBSTRUCTIONS (I.E. DUCTWORK, PIPING, STRUCTURE, ETC.) TO AVOID SHADOWING ON SPACE/EQUIPMENT BELOW.											
TYPE	DESCRIPTION	MANUFACTURER/SERIES	QTY.	LAMPS	MIN. LUMENS	COLOR	INPUT WATTS	VOLTAGE	BALLAST/DRIVER	MOUNTING	REMARKS
XA	LED EDGE LIT SINGLE FACE EXIT SIGN	LITHONIA EDGR	--	LED	N/A	N/A	3.0	UNIV	LED DRIVER	SEMI-RECESSED	--
YA	LED STEM MOUNTED, INDUSTRIAL HIGH BAY	RUGGED GRADE LIGHTING #RGL-TITAN3-150WRB	--	LED	21000	3500K	150.0	120V	LED DRIVER (1-10V DIMMING)	15 FEET ABOVE FINISHED FLOOR	--
YB	LED SURFACE MOUNTED WRAPAROUND	COLUMBIA #LAW4-35HL-EDU	--	LED	5627	3500K	51.0	120V	LED DRIVER (1-10V DIMMING)	--	--
YBE	LED SURFACE MOUNTED WRAPAROUND	COLUMBIA #LAW4-35HL-EDU	--	LED	5627	3500K	51.0	120V	LED DRIVER (1-10V DIMMING)	--	--
YC	4" LED DOWNLIGHT	LITHONIA # LDN4 35/10 L04AR LSS MVOLT	--	LED	1045	3500K	11.0	120V	LED DRIVER	RECESSED	--
YD	EXTERIOR WALL PACK	HUBBELL #WGH-133L-4K-U-M	--	LED	8989	SEE REMARKS	76.0	120V	LED DRIVER	SURFACE MOUNTED	4000K COLOR TEMP.
YE	LED EMERGENCY LIGHTING UNIT W/ 3.6V NICAD BATTERY	EXITRONIX #LED-90 SERIES	--	LED	N/A	N/A	3.0	120V	--	SURFACE MOUNTED	--
YG	EMERGENCY EGRESS LIGHT	LITHONIA #AFF PEL UVOLT LTP SDRT FCT	--	LED	635	SEE REMARKS	12.0	120V	--	SURFACE MOUNTED	4000K COLOR TEMP.
YH	LED WALL DIRECT	CURRENT #67L-W-D-4-4-DM-X-35K-D100-D01-1C-UNV	--	LED	4000	3500K	34.0	120V	LED DRIVER	WALL MOUNTED	FINISH/COLOR BY ARCH
YJ	LED WRAPAROUND	COLUMBIA #LAW4-40MW-EU	--	LED	3787	3500K	31.0	120/277V	LED DRIVER	--	--

ELECTRICAL SPECIFICATIONS			
SCOPE		G. WHEN WIRES ARE INSTALLED IN CONDUIT, SUFFICIENT SLACK SHALL BE ALLOWED TO PERMIT THE CONNECTION OF FIXTURES OR WIRING DEVICES WITHOUT ADDITIONAL SPLICE	
A. INCLUDES THE FURNISHING OF ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, ETC., REQUIRED FOR THE ELECTRICAL SYSTEMS AS SHOWN AND DESCRIBED IN THESE DRAWINGS.		H. ALL CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET OR FROM PANEL TO OUTLET OR DEVICE. NO SPLICES WILL BE PERMITTED IN CONDUIT RUNS.	
B. THE WORK SHALL INCLUDE, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:		1. UNLESS OTHERWISE NOTED ON THE PLANS, BRANCH CIRCUITS SHALL BE RUN HOME IN INDIVIDUAL CONDUITS AS FOLLOWS.	
1. BUILDING WIRE AND CABLE		2. ALL POWER AND LIGHTING BRANCH CIRCUIT WIRING SHALL BE RUN HOME IN SEPARATE CONDUITS, AS INDICATED.	
2. WIRING DEVICES		3. FEEDERS SHALL BE RUN IN INDIVIDUAL CONDUITS FROM THE FEEDER SOURCE TO THE LOAD TERMINATIONS, AS INDICATED ON THE DRAWINGS. DO NOT COMBINE MULTIPLE FEEDERS IN A WIREWAY OR UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATION OF THE MANUFACTURER. A COPY OF THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS SHALL BE KEPT IN THE JOB SUPERINTENDENT'S OFFICE AND SHALL BE AVAILABLE TO THE OWNER'S REPRESENTATIVE AT ALL TIMES.	
3. ELECTRICAL BOXES AND FITTINGS		4. USE COMPRESSION TYPE WIRE CONNECTORS FOR STRANDED CONDUCTORS, FOR MOTOR CONNECTIONS, AND ALL OTHER CONNECTIONS OR SPLICES SUBJECT TO VIBRATION. WIRE NUTS MAY BE USED ELSEWHERE.	
4. CIRCUIT AND MOTOR DISCONNECTS		5. BRANCH CIRCUITS FOR MOTORS, AS INDICATED ON THE DRAWINGS, ARE APPROXIMATE SIZE ONLY. THIS CONTRACTOR SHALL TO OBTAIN THE EXACT RATING OF THE MOTOR OPERATED EQUIPMENT FROM THE MECHANICAL CONTRACTOR, AND SHALL ADJUST THE SIZE OF THE PROTECTIVE DEVICE AND WIRE TO CONFORM TO THE REQUIREMENTS OF THE EQUIPMENT. ALL SUCH CHANGES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.	
5. SUPPORTING DEVICES		6. TORQUE ALL BOLTED LUGS AND CONNECTORS TO TORQUE VALUES RECOMMENDED BY THE EQUIPMENT MANUFACTURER, WHERE AVAILABLE. SEE THE FOLLOWING TABLE FOR THE TORQUE VALUES GIVEN BY UL STANDARDS #488A AND #488B. IF STUDS ARE COPPER OR STEEL, OR IF STEEL BOLTS ARE USED, USE A BELLEVILLE DISHED WASHER WITH A WIDE SERIES, HEAVY FLAT WASHER, TIGHTEN THE CONNECTION UNTIL THE BELLEVILLE IS FLAT. DO NOT RE-TIGHTEN LATER.	
6. SEISMIC RESTRAINTS		7. MINIMUM SIZE BRANCH CIRCUIT CONDUCTOR SHALL BE #12 AWG.	
7. ELECTRICAL IDENTIFICATION		8. PRIOR TO ENERGIZATION, TEST ALL LIGHTING, POWER, CONTROL, AND SPECIAL CIRCUITS AND ASSOCIATED ELECTRICAL EQUIPMENT FOR LOW INSULATION RESISTANCE, GROUNDS, AND SHORT CIRCUITS.	
8. GROUNDING		9. FURNISH AND SET UP ALL METERS, INSTRUMENTS, EQUIPMENT, AND LABOR REQUIRED TO MAKE TESTS, AS INDICATED.	
9. LIGHTING		10. REPAIR AND/OR REPLACE AT CONTRACTOR'S EXPENSE, ANY EQUIPMENT AND CONDUIT SHALL BE CLEANED AND LEFT IN WORKING ORDER. ALL DEBRIS CREATED BY THE EXECUTION OF THE ELECTRICAL WORK SHALL BE REMOVED BY THIS CONTRACTOR. THIS CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO KEEP PANELS, ESPECIALLY CIRCUIT BREAKER HANDLES, CLEAN DURING CONSTRUCTION.	
10. CONDUIT FOR AUXILIARY		11. BUILDING WIRE, CABLE AND CONNECTORS	
11. CIRCUITS FOR HVAC EQUIPMENT		A. BUILDING WIRE AND CONNECTORS SHALL BE UL LISTED AND LABELED. CONDUIT SHALL BE NEMA 12C, 12	

LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO CENTER LINE	BACK BOX AND PLASTER RING SIZE	CONDUIT SIZE
STRUCTURED CABLING / PAGING				
	DATA OUTLET (SUB-SCRIPT DENOTES NUMBER OF OUTLETS IN FACEPLATE)	18" AFF OR MATCH POWER OUTLET	4" x 4" x 2 1/2" WITH SINGLE GANG MUD RING	1"
	WIRELESS ACCESS POINT CONNECTION (SUB-SCRIPT REPRESENTS NUMBER OF OUTLETS IN FACEPLATE)	FINISH CEILING OR ABOVE CEILING	4" x 4" x 2 1/2" WITH SINGLE GANG MUD RING	1"
	WALL PHONE VOICE OUTLET	+46" AFF OR PER ARCH. ELEVATIONS	4" x 4" x 2 1/2" WITH SINGLE GANG MUD RING	1"
	TELECOMMUNICATIONS GROUNDING BAR (ELEVATION VIEW) PROVIDED BY DIVISION 26.	WALL MOUNTED OR AS VENDOR SPECIFIED	N/A	N/A

ABBREVIATIONS

ABC	ABOVE COUNTER
AC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
ATC	ACOUSTIC TILE CEILING
C	CONDUIT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DAS	DISTRIBUTED ANTENNA SYSTEM
EF	ENTRANCE FACILITY
ER	EQUIPMENT ROOM
ERRCS	EMERGENCY RESPONDER RADIO COMMUNICATION SYSTEM
JB	JUNCTION BOX
MM	MULTI MODE
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
PACS	PICTURE ARCHIVE AND COMMUNICATION SYSTEM
POE	POWER OVER ETHERNET
RIO	ROUGH IN ONLY
RTL	REFER TO HOST DEVICE LEGEND
RTLS	REAL TIME LOCATION SYSTEM
RU	RACK UNIT
SM	SINGLE MODE
SMH	SPECIAL MOUNTING HEIGHT
TGB	TELECOM GROUNDING BUSBAR
TMGB	TELECOM MAIN GROUNDING BUSBAR
TR	TELECOM ROOM
TYP	TYPICAL
WAP	WIRELESS ACCESS POINT
WP	WEATHER PROOF (EXTERIOR APPLICATION)
+72"	NUMBER DENOTES MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER LINE
(X)Y"	"X" DENOTES NUMBER OF CONDUITS, "Y" DENOTES TRADE SIZE OF CONDUIT

PATHWAY

	COMMUNICATIONS JUNCTION BOX	ABOVE CEILING (AC), OR AS NOTED	4" x 4" x 2 1/2" WITH SINGLE GANG MUD RING (FOR HARD CEILING ONLY)	1" IF HARD CEILING
	COMMUNICATIONS JUNCTION BOX - WALL MOUNTED	18" OR AS NOTED	4" x 4" x 2 1/2" WITH SINGLE GANG MUD RING	1"
	COMMUNICATIONS JUNCTION BOX - FLOOR MOUNTED	FLUSH IN FLOOR	POKE THRU OR CAST IN PLACE BY DIVISION 26	1"
	X" CONDUIT SLEEVE	N/A	N/A	N/A
	SLEEVE/CONDUIT	N/A	N/A	N/A
	CABLE TRAY	AS NOTED OR SEE SPECIFICATIONS	N/A	N/A
	LADDER RACK	AS NOTED OR SEE SPECIFICATIONS	N/A	N/A
	CONDUIT UP	N/A	N/A	N/A
	CONDUIT DOWN	N/A	N/A	N/A
	CONDUIT IN WALL OR CEILING	N/A	N/A	N/A
	CONDUIT IN SLAB OR BELOW GRADE	N/A	N/A	N/A
	J-HOOKS	N/A	N/A	N/A

SHEET INDEX

NUMBER	SHEET NAME
T0.1	TECHNOLOGY GEN NOTES & LEGENDS
T1.1	TECH. FIRST FLR./MEZZ. BUILD-OUT
T5.0	TECHNOLOGY DETAILS

GENERAL CONSTRUCTION NOTES

A. COORDINATE LOCATION AND MOUNTING REQUIREMENTS OF ALL CEILING MOUNTED OR ABOVE CEILING MOUNTED DEVICES WITH REFLECTED CEILING PLAN, LIGHTING LAYOUT, AND OTHER CEILING OR ABOVE CEILING MOUNTED EQUIPMENT.

B. ALL ABOVE CEILING WORK IN EXISTING FACILITY IS TO BE CONDUCTED IN ACCORDANCE WITH FACILITY I.C.R.A. POLICIES.

C. DEVICES MOUNTED IN/ADJACENT TO CASEWORK - PRIOR TO ROUGH-IN, COORDINATE EXACT DEVICE LOCATIONS WITH ARCHITECTURAL CASEWORK ELEVATIONS, COORDINATE WITH CASEWORK SHOP DRAWINGS FOR CABLING PATHWAY AND ROUGH-IN REQUIREMENTS.

D. DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT DRAWN TO SCALE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES AND DISTANCES WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES.

E. CONDUITS ARE TO HAVE A MAXIMUM 40% FILL RATIO.

F. IN THE INSTALLATION OF THIS WORK, THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF LOCAL LAWS AND ORDINANCES, APPLICABLE STATE LAWS, THE NATIONAL BOARD OF FIRE UNDERWRITERS, AND THE NATIONAL ELECTRIC CODE.

G. CAREFULLY EXAMINE THE PREMISES TO DETERMINE THE EXTENT OF WORK AND THE CONDITION UNDER WHICH IT MUST BE DONE. IF THERE ARE ANY QUESTIONS REGARDING THE PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE ENGINEER OR DESIGNATED REPRESENTATIVE BEFORE PROCEEDING WITH WORK OR RELATED WORK IN QUESTION.

H. ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OR DESIGNATED REPRESENTATIVE FOR CLARIFICATION.

I. ALL WORK IS TO BE DONE IN A THOROUGH AND PROFESSIONAL MANNER ACCORDING TO INDUSTRY AND MANUFACTURERS' STANDARDS AND WILL BE SUBJECT TO INSPECTION AND ACCEPTANCE. WORK THAT IS DEEMED SUB-STANDARD WILL BE SUBJECT TO REPLACEMENT OR REPAIR AT NO ADDITIONAL COST TO THE OWNER OR GENERAL CONTRACTOR.

J. THE CONTRACTOR IS REQUIRED TO PROPERLY FIRE-STOP ANY WALL OR FLOOR PENETRATIONS UTILIZED FOR THE PLACEMENT OF COMMUNICATIONS CABLING WITH APPROVED FIRE-STOPPING COMPOUND AND ACCORDING TO LOCAL AND NATIONAL CODES.

K. ALL PENETRATED STRUCTURES ARE TO BE RETURNED TO ORIGINAL CONDITION AND FIRE RATING.

L. WIRELESS ACCESS POINT LOCATIONS ARE DIAGRAMMATIC ONLY FOR BUDGETARY PURPOSES. FINAL LOCATION TO BE DETERMINED BY OWNER.

M. A PULL BOX SHALL BE PLACED IN A CONDUIT RUN WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:
1. THE LENGTH OF THE CONDUIT RUN IS OVER 100 FEET.
2. THERE ARE MORE THAN TWO 90 DEGREE BENDS IN THE CONDUIT RUN.
3. THERE IS A REVERSE BEND IN THE CONDUIT RUN.

N. PULL BOXES AND JUNCTION BOXES SHALL BE PLACED IN EASILY ACCESSIBLE LOCATIONS. PULL BOX SIZES SHALL BE AS DEFINED BY THE NATIONAL ELECTRICAL CODE.

O. PULL BOXES SHALL BE PLACED IN STRAIGHT SECTION OF CONDUIT AND NOT USED TO REPLACE A BEND. CONDUITS ENTERING AND EXITING PULL BOXES SHALL BE ALIGNED WITH ONE ANOTHER TO ALLOW FOR EASE OF CABLE INSTALLATION.

FACE PLATE REQUIREMENTS

X || | X |
	X
	X
	X
	X
	X
	X

INITIAL CAPACITY: X CONNECTIONS
MAXIMUM CAPACITY: 4 CONNECTIONS

QTY	DESCRIPTION
1-4	HORIZONTAL COMMUNICATION CABLE(S)**
1	4 PORT FACEPLATE

1 UL LISTED HORIZONTAL COMMUNICATION CABLE PULLED TO EACH DATA JACK. INSTALL BLANKS IN UNUSED JACKS.

X || | X |
| | X |

MAXIMUM CAPACITY: 1 CONNECTION

QTY	DESCRIPTION
1	HORIZONTAL COMMUNICATION CABLE(S)**
1	1 PORT FACE PLATE

1 UL LISTED HORIZONTAL COMMUNICATION CABLE PULLED TO EACH DATA JACK.

* COORDINATE ALL VOICE/DATA LOCATIONS. SPECIAL MOUNTING HEIGHT (SMH) DEVICES WITH ARCHITECTURAL WALL ELEVATIONS AND/OR MOUNTING HEIGHTS OF POWER DEVICES ON ELECTRICAL DRAWINGS.

** REFER TO SPECIFICATIONS FOR JACK AND CABLING REQUIREMENTS.

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD
CEDAR GROVER, TN 38321

PHASE
CONSTRUCTION

DATE
AUGUST 18, 2023

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SSR Project #: 22640590

SEALED BY

GREGORIO LOBO

REGISTERED ENGINEER
No. 122710
STATE OF TENNESSEE

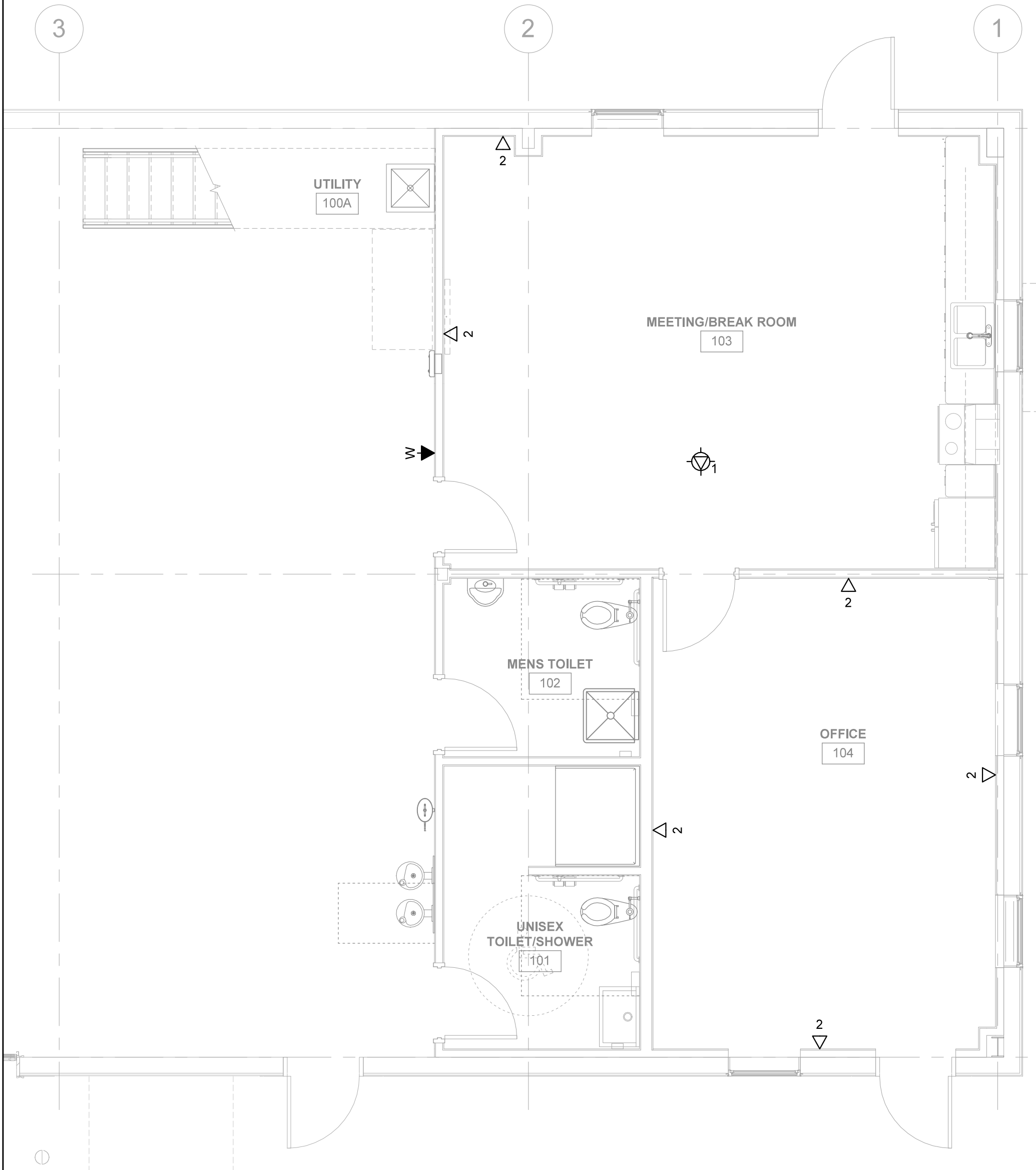
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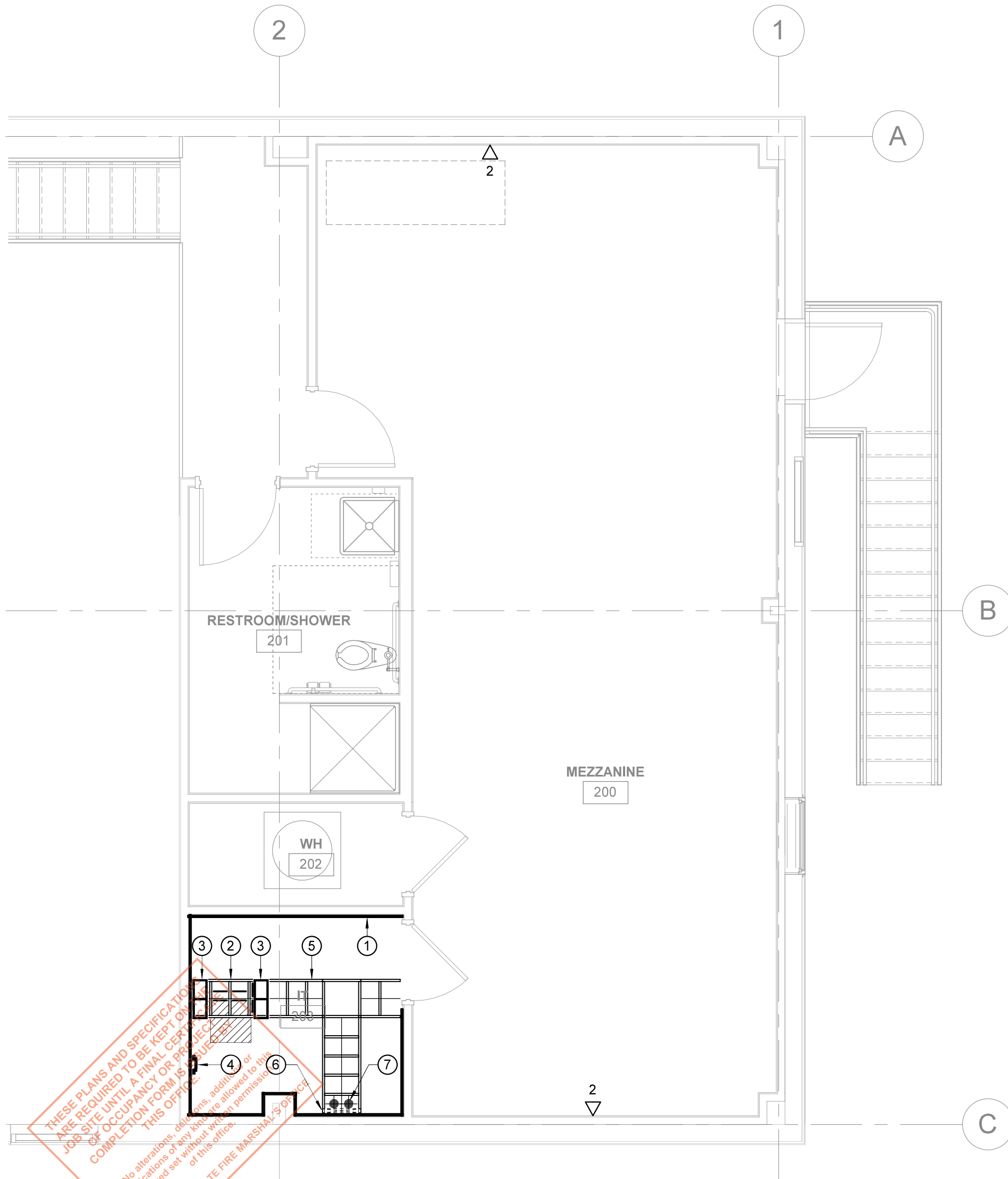
TECHNOLOGY
GEN NOTES &
LEGENDS
T0.1

SHEET 31 OF 34

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10



1 TECHNOLOGY FIRST FLOOR - BUILD-OUT



2 TECHNOLOGY MEZZANINE PLAN

GENERAL NOTES

- A. TELECOMMUNICATIONS ROOM EQUIPMENT RACKS, LADDER RACK AND ALL CABLING WILL BE INSTALLED BY THE STATE IT CABLING CONTRACTOR NOT THE GENERAL CONTRACTOR FOR THE PROJECT.
- B. TELECOMMUNICATIONS ROOM LAYOUTS ARE SHOWN AS CONCEPTUAL IN NATURE. VIEW IS INTENDED TO INDICATE DESIRED ROOM LAYOUT AND EQUIPMENT LOCATIONS.
- C. CABLE TRAY DEPTH REFERS TO TRAY'S LOADING DEPTH.
- D. PROPERLY FIRE SEAL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS TO MAINTAIN THE FIRE SEPERATION RATING. PROVIDE FIRE STOPPING SYSTEMS THAT ARE UL LISTED FOR THE APPLICATION. COORDINATE REQUIREMENTS WITH LOCAL FIRE MARSHAL PRIOR TO INSPECTION. DO NOT MIX PRODUCTS BETWEEN MANUFACTURED ASSEMBLIES.
- E. PROVIDE PLASTIC BUSHINGS ON EXPOSED ENDS OF CONDUITS AND SLEEVES, WHETHER VISIBLE OR NOT.
- F. COORDINATE HORIZONTAL PATHWAYS WITH GENERAL CONTRACTOR AND LOW VOLTAGE INSTALLER.
- G. ALL TELECOMMUNICATIONS OUTLETS SHOULD BE 1" CONDUIOT DIRECTLY BACK TO IT ROOM. NO JUNCTION BOXES, MINIMAL 90 DEGREE BEND, PROVIDE PULL STRING IN ALL CONDUITS.

SHEET KEYED NOTES

- ① PROVIDE 3/4" FIRE-RATED PLYWOOD BACKBOARD ON ALL WALLS OF ROOM AS SHOWN, STARTING AT 6" AFF TO 8'-6" AFF. MASK FIRE RATING STAMP PRIOR TO PAINTING PLYWOOD WHITE WITH FIRE-RATED PAINT. USE FLUSH FASTENERS FOR MOUNTING PLYWOOD.
- ② 2-POST 19" W x 7' H EQUIPMENT RACK.
- ③ 6" W VERTICAL WIRE MANAGER.
- ④ GROUNDING BUSBAR MOUNTED AT 7'-0".
- ⑤ 15" x 4" WIDE CABLE LADDER RACK MOUNTED AT 7'-0" AFF.
- ⑥ 15" x 2" WIDE CABLE LADDER RACK MOUNTED VERTICALLY ON WALL.
- ⑦ (2) 4" CONDUITS FOR SERVICE PROVIDER TO PROPERTY ROW WILL NEED TO TERMINATE IN A 36" x 36" x 30" TELECOMMUNICATIONS PULL BOX WITH TRAFFIC RATED LID IN THE PROPERTY ROW EVERY 300'. THEN EXTENDED FROM PULL BOX TO THE SERVICE PROVIDER POLE OR SERVICE POINT WITHIN THE ROW. GENERAL CONTRACTOR WILL NEED TO COORDINATE WITH STATE STS IT ON THE LOCATIONS OF THE SERVICE CONDUITS. (NOTE: IF THIS FACILITY IS ON A SITE WITH AN EXISTING COUNTY MAINTENANCE GARGE, INCOMING SERVICE PROVIDER CONDUITS SHOULD BE INSTALLED TO THE NEAREST EXISTING TELECOMMUNICATIONS PULL BOX. COORDINATE PATHWAY WITH ANGIE BEASON.) PROVIDE PULL ROPE IN EACH SERVICE PROVIDER CONDUIT.

PROJECT NO.	39999-3609-04
PIN NO.	131121.0
REVISIONS	
DESCRIPTION	
BY	
DATE	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING
370 ROCK MILAM ROAD
CEDAR GROVER, TN 38321

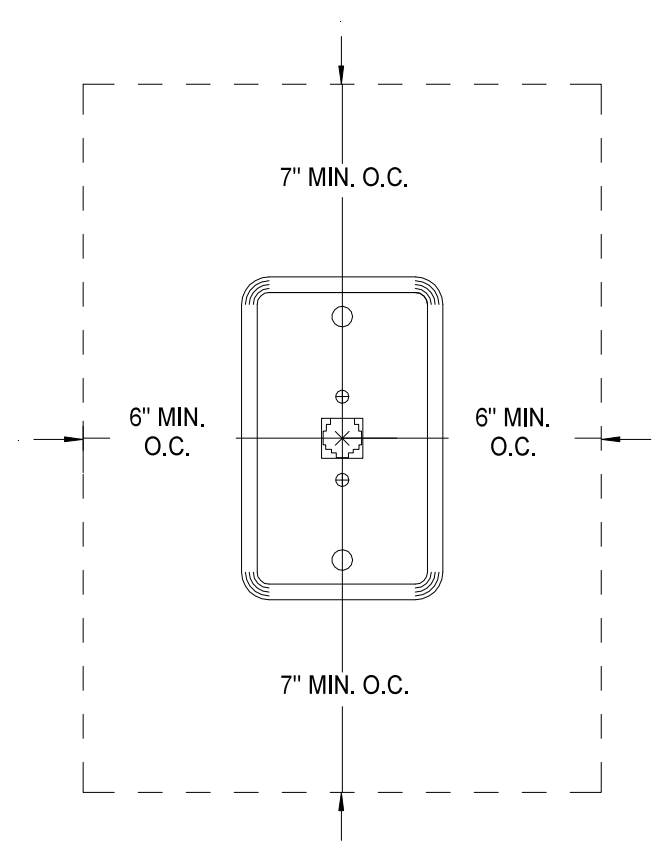
PHASE
CONSTRUCTION
AUGUST 18, 2023
PROJECT# 2024-04-17-10

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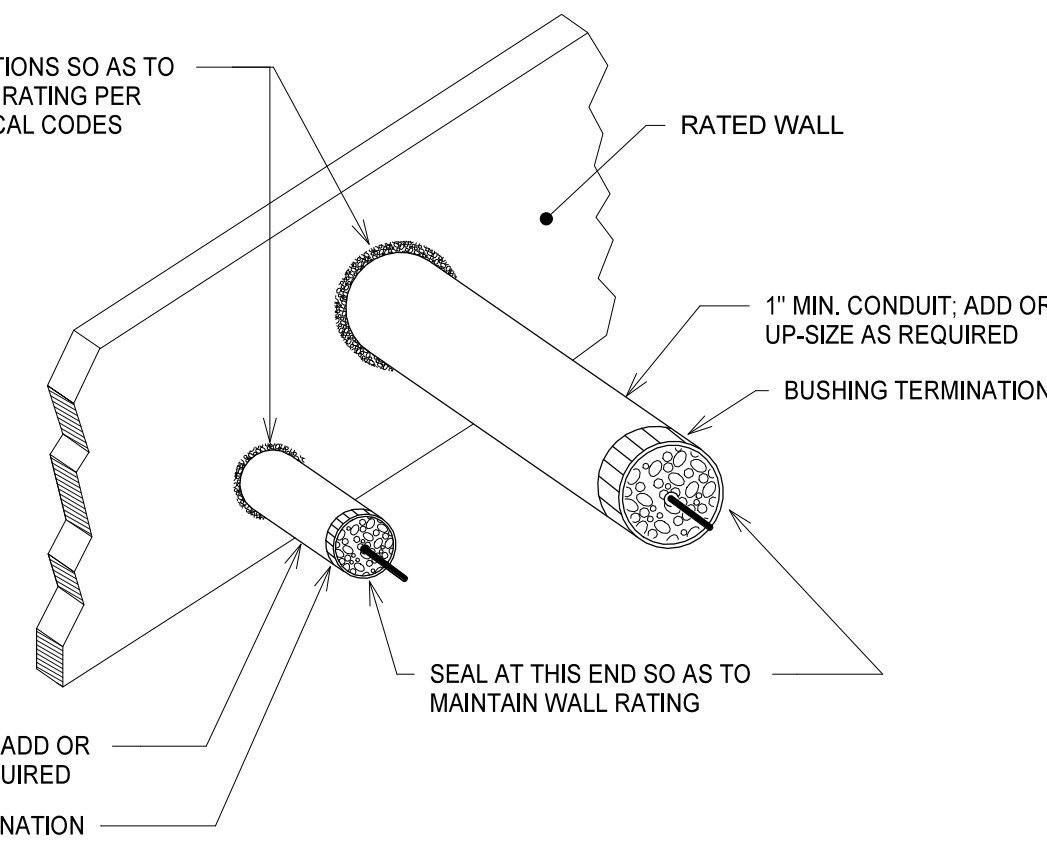
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TRANSPORTATION
**TECH. FIRST
FLR./MEZZ.
BUILD-OUT
T1.1**
SHEET 32 OF 34

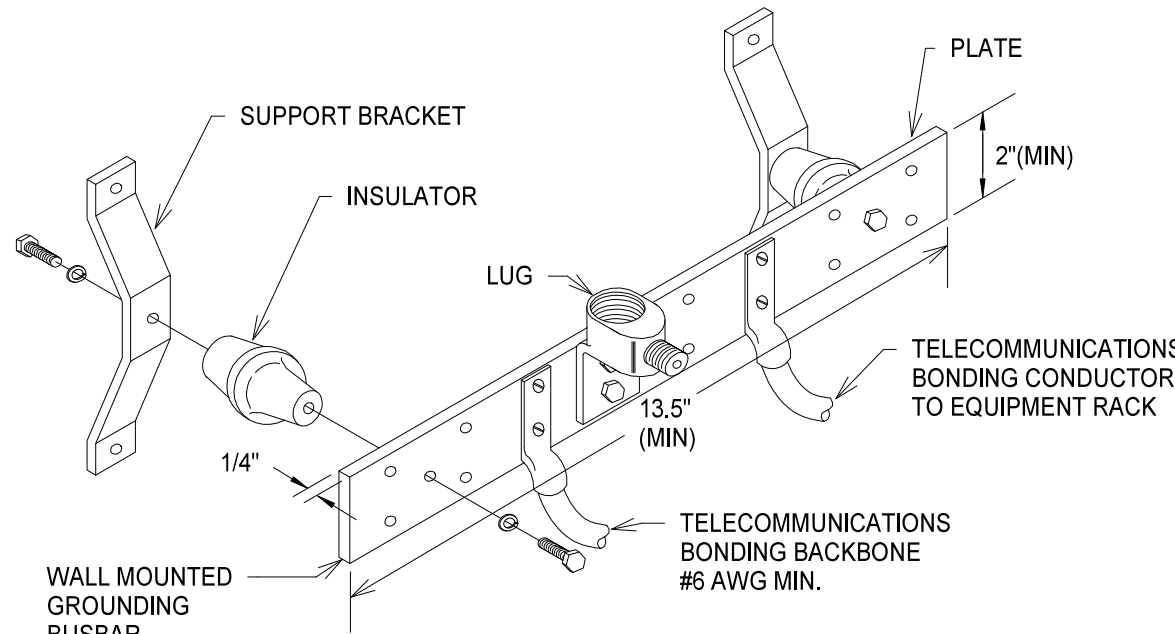


GENERAL NOTE:
G1. ANY DEVICE MOUNTED ADJACENT TO, ABOVE, OR BELOW WALL PHONE OUTLET, IS NOT TO INFRINGE WITHIN THE BORDERS OF THE DASHED LINES NOTED ABOVE. COORDINATE WITH ARCHITECTURAL ELEVATIONS AND OTHER WALL MOUNTED DEVICES.

WALL PHONE CLEARANCE REQUIREMENTS3

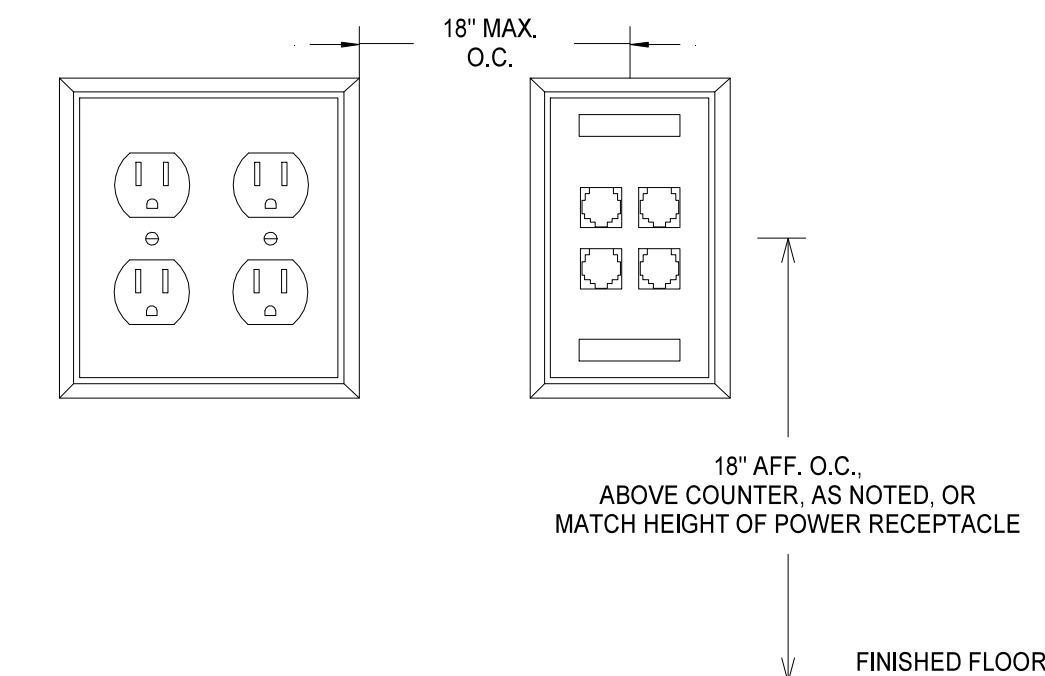


RATED WALL CONDUIT AND SLEEVE PENETRATIONS1



GENERAL NOTE:
G1. MINIMUM 2" STAND-OFF FROM WALL TO BACK SIDE OF PLATE

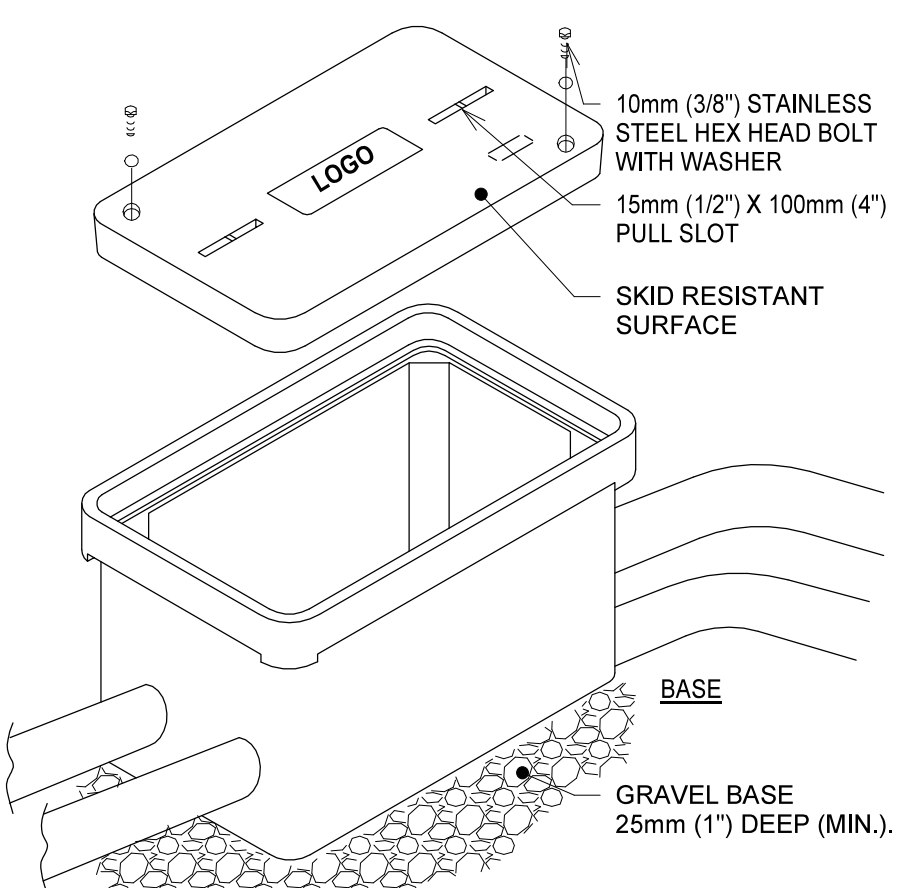
TELECOMMUNICATION GROUNDING BUS BAR (TGB)4



GENERAL NOTE:
G1. VOICE/DATA OUTLETS TO BE MOUNTED ADJACENT TO POWER OUTLETS WHERE APPLICABLE. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECTURAL WALL ELEVATIONS, ELECTRICAL DRAWINGS, AND EQUIPMENT VENDOR DRAWINGS.

POWER OUTLET COORDINATION REQUIREMENTS2

NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.



NOTES:
1. PROVIDE STANDARD HANDHOLE OF DIMENSIONS CALLED OUT IN DRAWINGS AND SPECIFICATIONS.
2. COVER, RING AND BOX SHALL BE MADE OF SAME MATERIAL.
3. ALL CONDUITS MUST ENTER HAND HOLE HORIZONTALLY.

TYPICAL HANDHOLE DETAIL5

PROJECT NO.39999-3609-04
PIN NO.131121.0

REVISIONS	DESCRIPTION	BY	DATE

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD
CEDAR GROVER, TN 38321

DATE
AUGUST 18, 2023

PHASE
CONSTRUCTION

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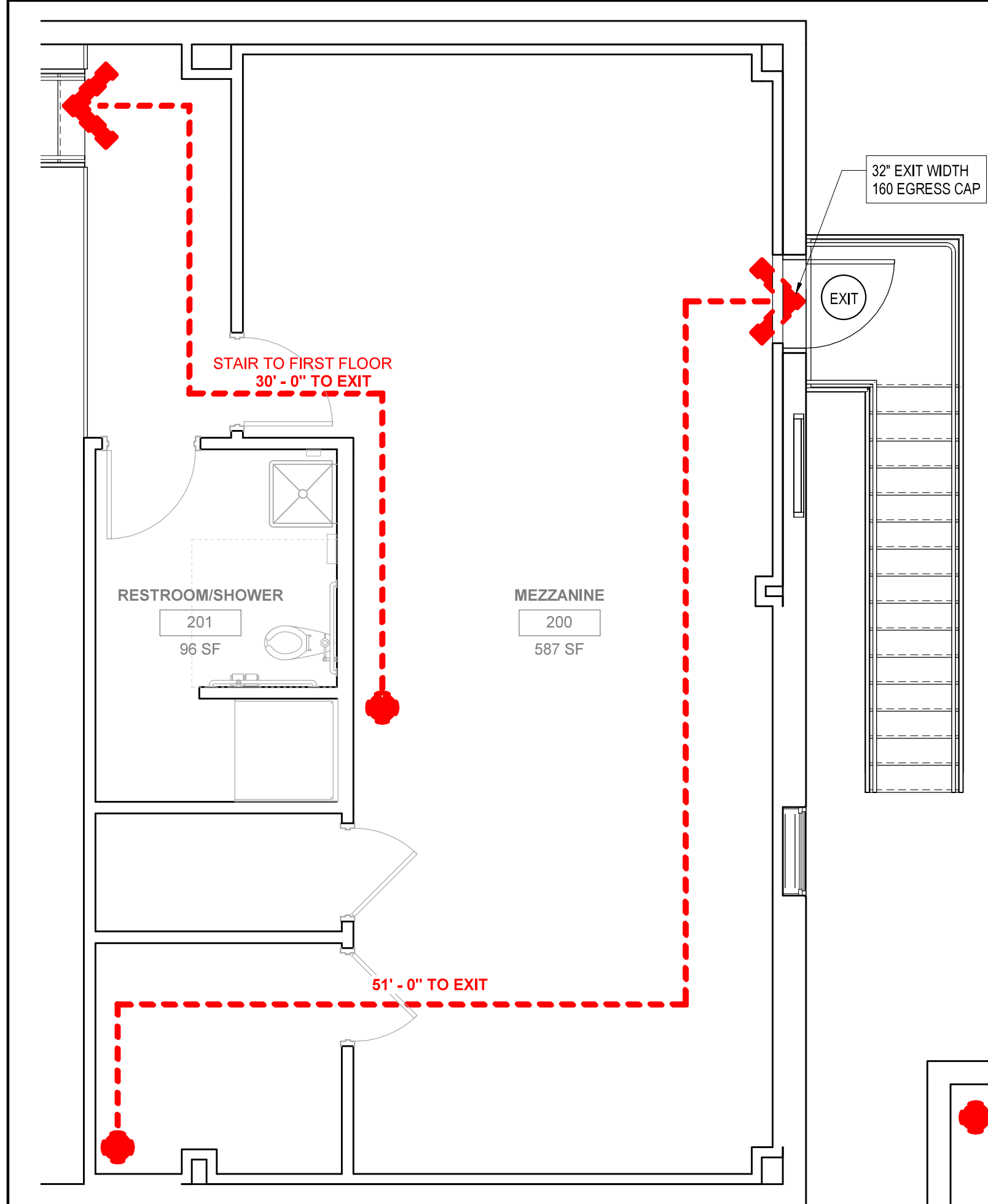


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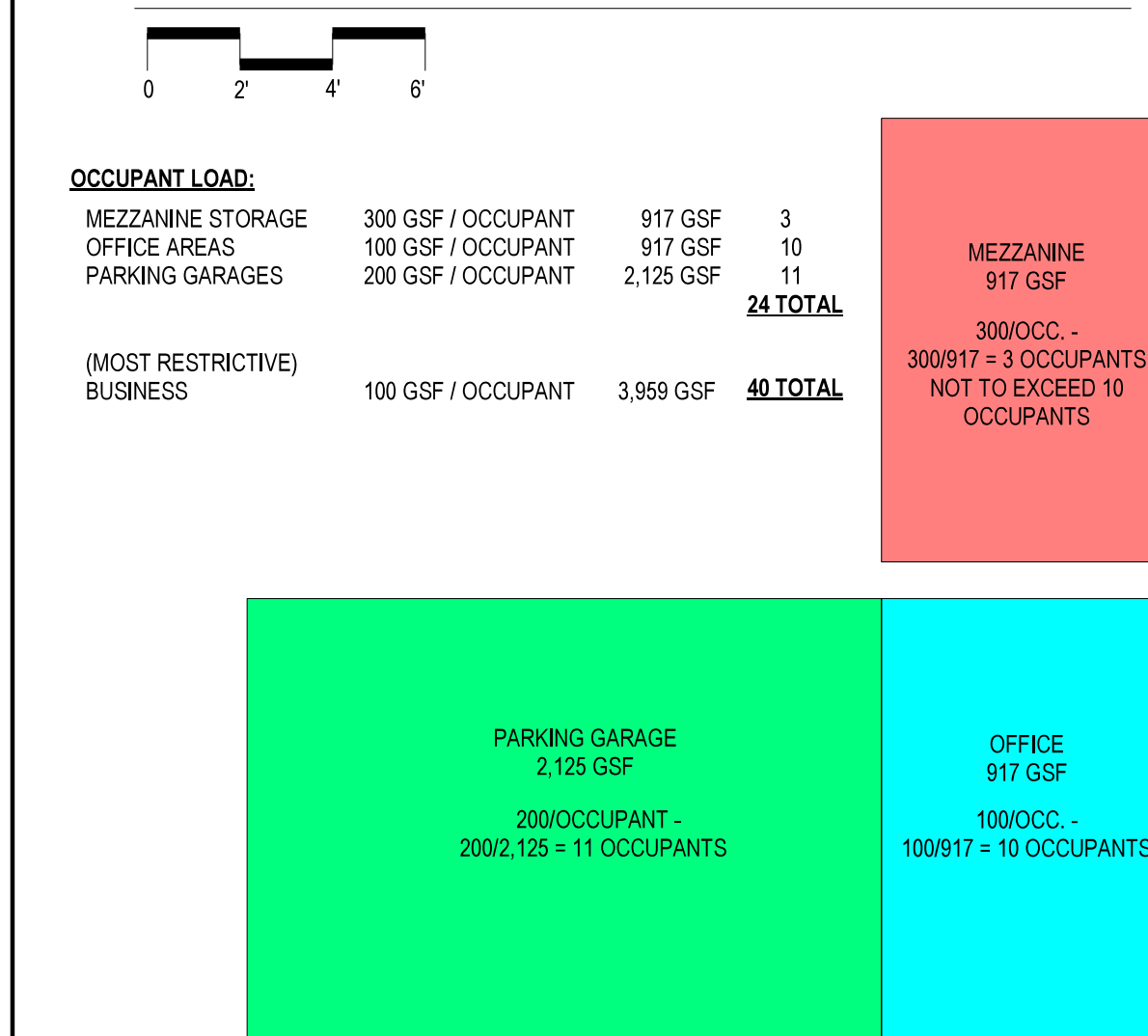
TECHNOLOGY
DETAILS

T5.0
SHEET 33 OF 34

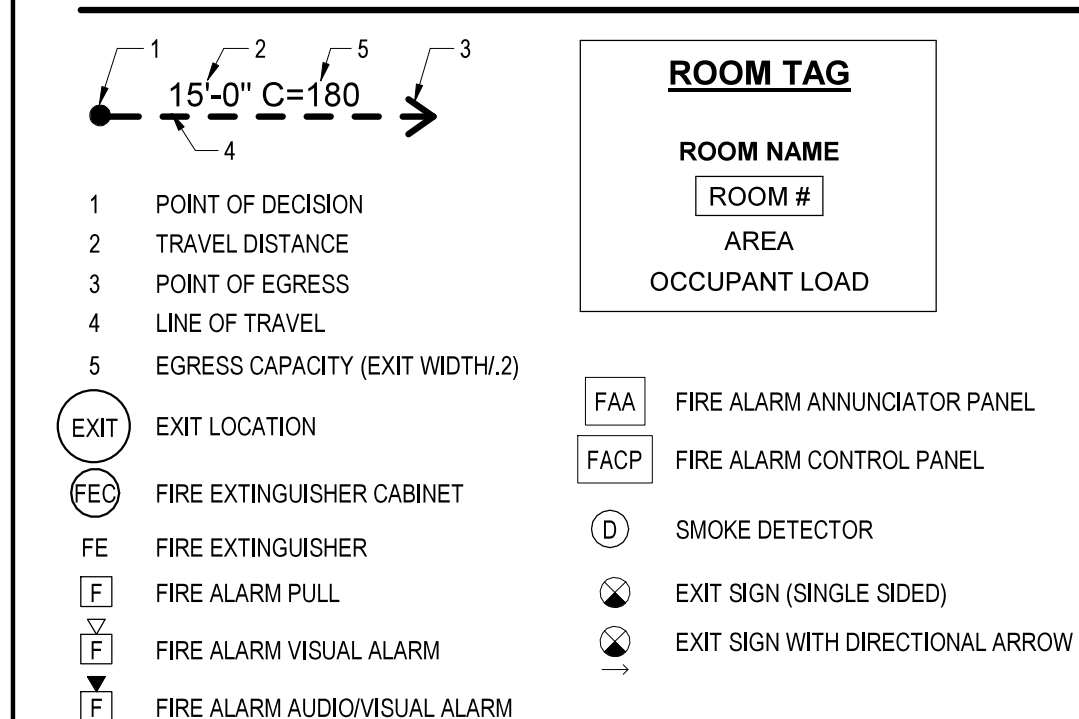
FIELD SET TFM# 21349 PROJECT# 2024-04-17-10



1 MEZZANINE LIFE SAFETY PLAN



LIFE SAFETY LEGEND



GENERAL LIFE SAFETY NOTES

GENERAL

- DETAILS AND NOTES ABOUT RATED WALLS AND RATED PENETRATIONS ARE PROVIDED IN CASE CONTRACTOR COMES ACROSS A SITUATION WHERE THEY ARE NEEDED. SOME OF THE RATED WALL AND PENETRATION NOTES MAY NOT APPLY TO THIS PROJECT. CONTACT THE ARCHITECT IF QUESTIONS ARISE.
- THE CONTRACTOR SHALL AT ALL TIMES ENDEAVOR TO CONSTRUCT THE FACILITY IN STRICTEST ACCORDANCE TO SOUND PRACTICES OF FIRE RESISTIVE CONSTRUCTION. DEVIATIONS FROM MFG RECOMMENDATIONS, INDEPENDENT FIRE TESTS, OR UL ASSEMBLY REQUIREMENTS SHALL BE...

ALL WORK

- FIRE AND SMOKE PARTITION / BARRIER IDENTIFICATION: NONE REQUIRED IN PROJECT
- ALL G.W.B. SHALL BE 5/8" TYPE 'X' U.N.O. STAGGER JOINTS ON OPPOSITE SIDES OF PARTITIONS AS...
 - VERTICAL JOINTS OFFSET 16" HORIZONTALLY
 - HORIZONTAL JOINTS OFFSET 24" VERTICALLY. HORIZONTAL JOINTS SHALL NOT OCCUR BELOW USE TYPE S OR S12 FASTENERS INSTALLED IN ACCORDANCE WITH APPLICABLE FIRE TEST, BUT NO LESS THAN AS FOLLOWS:
 - ALL EDGES OF BOARD SHALL BE SCREWED NOT MORE THAN 8" O.C. TO SOLID FRAMING.
 - SCREWS WITHIN THE FIELD OF THE BOARD SHALL NOT EXCEED 12" O.C. FASTENED TO SOLID... AT DOUBLE LAYER G.W.B APPLICATIONS, SECURE SECOND LAYER TO FIRST WITH FASTENERS (DO NOT USE ADHESIVES). PLACE SECOND LAYER PERPENDICULAR TO FIRST LAYER. OFFSET JOINTS OF SECOND LAYER FROM JOINTS OF FIRST LAYER. FINISH JOINTS FULL HEIGHT OF WALL WITH TAPE & COMPOUND PER SPECIFICATIONS
- FIRESTOP ALL INTERRUPTIONS TO FIRE RATED ASSEMBLIES, MATERIALS, AND COMPONENTS WITH MATERIALS WHICH HAVE BEEN TESTED ACCORDING TO ASTM E814, UL 1479, OR UL 2079 TO PROVIDE A FIRE RATING AND SMOKE RATING EQUAL TO THAT OF CONSTRUCTION BEING PENETRATED.

NOTE: THIS DRAWING MUST BE PRINTED IN COLOR TO REPRODUCE ALL FIRE RATED WALL SYMBOLS.

GENERAL LIFE SAFETY NOTES...

- INSTALL BLOW-OUT PATCHES MADE OF LAYERS OF G.W.B. EQUAL TO THAT OF THE PARTITION CONSTRUCTION. CUT TO FIT TIGHT TO PENETRATIONS. IN INSTANCES WHERE THE ANNULAR OPENING EXCEED THAT ALLOWED BY THE UL ASSEMBLY. DO NOT APPLY JOINT COMPOUND OVER SCREWS AT PATCHES. DO NOT REMOVE EXCESS COMPOUND FROM EDGES OF PATCH AFTER PLACEMENT.
 - WHERE THE DIAMETER OF THE OPENING IS LESS THAN 3", THE BLOW-OUT PATCH SHALL EXTEND A MINIMUM OF 6" BEYOND THE OPENING IN ALL DIRECTIONS. THE PATCH SHALL BE FASTENED NOT LESS THAN 3" FROM THE EDGE OF THE PATCH WITH JOINT COMPOUND APPLIED TO THE BACKSIDE OF THE PATCH.
 - WHERE THE DIAMETER OF THE OPENING IS GREATER THAN 3", THE BLOW-OUT PATCH SHALL EXTEND A MINIMUM OF 6" ABOVE AND BELOW THE OPENING AND A MINIMUM OF 3" BEYOND THE STUDS ON BOTH SIDES OF THE OPENING. RUNNER CHANNELS SHALL BE SECURED TO THE STUDS ABOVE AND BELOW THE OPENING. THE PATCHES SHALL BE FASTENED TO THE STUDS & CHANNELS A MINIMUM OF 3" FROM THE EDGES OF THE PATCH WITH JOINT COMPOUND APPLIED TO THE BACKSIDE OF THE PATCH.
- INSTALL G.W.B. TIGHT TO ALL DUCTS AND DUCT INSULATION. USE METALLIC DUCT TAPE TO SEAL BETWEEN THE DUCT AND THE G.W.B.
- INSTALL METALLIC SLEEVES AROUND LOW VOLTAGE CABLES THAT PENETRATE THE WALL, AND SEAL AROUND THE SLEEVE AND INSIDE THE SLEEVE WITH AN APPROVED SEALANT.
- PROVIDE ENCLOSURE AND ACCESS PANEL AT EACH FIRE PROTECTION INSPECTION TEST VALVE. DO NOT LOCATE VALVES AND PIPES IN EXTERIOR WALLS. PROVIDE PAINTED STEEL ACCESS PANELS IN WALLS & CEILINGS EQUAL IN RATING TO THE CONSTRUCTION BEING INSTALLED IN.
- WHERE DEVICES ARE INDICATED IN RATED CONSTRUCTION, THE MAXIMUM ALLOWABLE AREA OF INDIVIDUAL U.L. LISTED BACKBOXES PERMITTED IN THE WALL IS 16 SQ. IN. WITH MAXIMUM AGGREGATE AREA OF 100 SQ. IN PER 100 SF OF WALL AREA. BACKBOXES ON OPPOSITE FACES OF RATED WALLS SHALL BE OFFSET A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES. WHEN PENETRATIONS EXCEED THE ALLOWABLE AREAS, DEVICES SHALL BE PROVIDED WITH A FIVE-SIDED G.W.B. ENCLOSURE OR UL LISTED INTUMESCENT FIRE PUTTY.
- WHERE DEVICES, CABINETS, OR ACCESSORIES GREATER THAN 16 SQ. IN. ARE INDICATED IN RATED CONSTRUCTION, PROVIDE A FIVE-SIDED G.W.B. ENCLOSURE CONSTRUCTED OF LAYERS OF G.W.B. EQUAL IN NUMBER TO THE CONSTRUCTION BEING PENETRATED.
- WHERE PARTITIONS MUST BE CONNECTED TO STRUCTURE FOR SUPPORT, INSTALL 20 GAUGE GALVANIZED METAL Z-CLIPS SPACED AS REQD, BUT NOT MORE THAN 2'-0" O.C. PRIOR TO APPLICATION...

GENERAL LIFE SAFETY NOTES...

- WHERE FIRE RATED WALL ASSEMBLIES OCCUR IN PROXIMITY TO STEEL BEAMS OR JOINTS WITH INADEQUATE DIMENSION TO INSTALL SCREWS, PROVIDE STUD FRAMING AROUND THE BEAM OR JOIST IN ACCORDANCE WITH U.L. DESIGN H-501 WITH LAYERS OF G.W.B. EQUAL IN NUMBER TO THE WALL...
- DOORS, WINDOWS, AND OTHER OPENINGS SHALL BE RATED EQUAL TO THAT OF THE CONSTRUCTION BEING PENETRATED, PROVIDE POSITIVE LATCHING AT RATED DOOR ASSEMBLIES. GLAZING SHALL BE FIRE RATED EQUAL TO THE WALL CONSTRUCTION AND INSTALLED IN AN EQUALLY RATED FRAMING SYSTEM, TESTED AS AN ASSEMBLY. WIRE GLASS IS NOT PERMITTED.
- FIRE EXTINGUISHER LOCATIONS: PROVIDE AS SHOWN ON PLANS AND AS INDICATED, WHICHEVER IS MORE RESTRICTIVE. CABINETS SHALL BE FULLY RECESSED (U.N.O.):
 - PROVIDE MULTI-PURPOSE, DRY CHEMICAL, ABC TYPE FIRE EXTINGUISHERS WITH UL RATING OF 4A:60B:C THROUGHOUT THE ENTIRE BUILDING. LOCATE SO THAT A MAXIMUM OF 75 FEET OF TRAVEL FROM ANY SPACE WILL BE PROVIDED.
 - PROVIDE DRY CHEMICAL, ABC TYPE FIRE EXTINGUISHERS WITH UL RATING OF 4A:60B:C IN ALL MECHANICAL SPACES.
 - PROVIDE CLEAN AGENT TYPE FIRE EXTINGUISHERS WITH UL RATING OF 1A:10B:C IN EACH DATA CENTER, MRI ROOM, AND MRI CONTROL ROOM. LOCATE SO THAT A MAXIMUM OF 75 FEET OF TRAVEL FROM ANY SPACE WILL BE PROVIDED.
 - PROVIDE WET-CHEMICAL TYPE, CLASS K WALL-HUNG FIRE EXTINGUISHERS THROUGHOUT KITCHENS. LOCATE SO THAT A MINIMUM OF 10 FEET AND A MAXIMUM OF 20 FEET OF TRAVEL FROM ANY PIECE OF COOKING EQUIPMENT BELOW HOOD WILL BE PROVIDED.
- REFER TO THE CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION RELATED TO LIFE SAFETY CONSTRUCTION AND APPROVED UL ASSEMBLIES.

EXIT CAPACITY

PER PLAN REVIEW DATA:
EGRESS WIDTH 2' WIDTH PER OCCUPANT
TOTAL OCCUPANTS 13

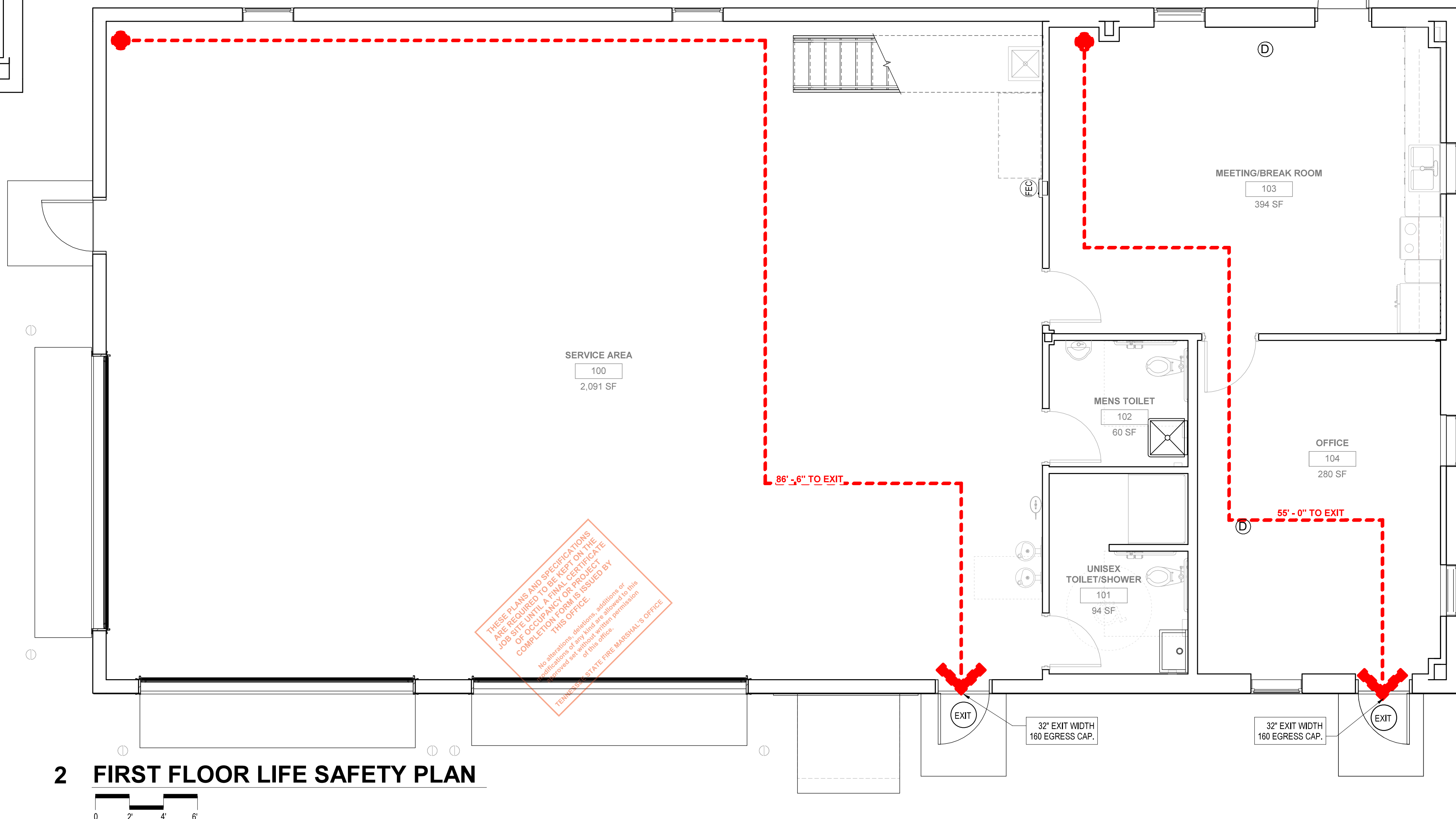
13 OCCUPANTS x 2' = 26' OF REQUIRED EXIT WIDTH

ACTUAL EXIT CAPACITY:
3 @ 32' = 96'

WALL LEGEND

NOTE: REF. SHEET 11 OF 27 FOR WALL TYPE DETAILS

NON-RATED PARTITION
PRIORITY 1



2 FIRST FLOOR LIFE SAFETY PLAN



PROJECT NO.	39999-3609-04
PIN NO.	131121.00
REVISIONS	BY DATE
DESCRIPTION	

TDOT HENDERSON
COUNTY MAINTENANCE
BUILDING

370 ROCK MILAM ROAD,
CEDAR GROVE TN, 38321

DATE
AUGUST 18, 2023

PHASE
CONSTRUCTION

FIELD SET TFM# 21349 PROJECT# 2024-04-17-10

Wold HFR DESIGN

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SEALED BY

RONALD L. FRANKS
STATE OF TENNESSEE
No. 20949
8/18/23

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

LIFE SAFETY
PLANS

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SHEET 34 OF 34