

Date: July 20, 2026

OWNER REP:	BANKS COUNTY GOVERNMENT 150 HUDSON RIDGE SUITE 1 HOMER, GA 30547
24 HR CONTACT:	CHIEF STEVE NICHOLS; (706) 677-1812
CONTRACTOR:	TO BE DETERMINED

CONSISTS OF REMODELING & ADDING TO AN EXISTING FIRE STATION FOR BANKS COUNTY, GA. STATION COMPLETE WITH SLEEPING ROOMS, KITCHEN, LIVING SPACE, RESTROOMS AND SPACE FOR STORAGE OF EMERGENCY VEHICLES.

BUILDING IS NOT FULLY SPRINKLERED PER NFPA13
SINGLE STORY SPACE.

SDA Design Associates, LLC
4650 Lawrenceville Rd
Suite/Lt A15
Loganville, GA 30052
770.712.3472 (info@sdaassociates.com)

Project Name

Construction Document for
Wicks County Fire Station
Fire Station 33
197 Carson Segers Rd
Maysville, GA 30558

Sea

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GENERAL CONSTRUCTION NOTES:

- BUSINESS (B) TYPE BUILDING INCLUDING ALL AREAS SHALL NOT BE FULLY SPRINKLED IN ACCORDANCE w/ NFPA 13 CODES.
- ALL DIMENSIONS SHOWN ON FLOOR PLANS FOR GYPSUM WALLBOARD STUD PARTITIONS SHALL BE FACE OF STUD UNLESS CENTER LINE DIMENSIONS ARE INDICATED OR UNLESS NOTED OTHERWISE.
- EXTERIOR DIMENSIONS SHALL BE TO FACE OF STUD, CENTER OF COLUMNS, EXPANSION JOINTS UNLESS NOTED OTHERWISE.
- NOT USED.
- IF REQUIRED, SLOPE ALL FLOORS WITH DRAINS TO FLOOR DRAINS (TYPICAL).
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOTIFY PROJECT MANAGER OF ANY DISCREPANCIES.
- ALL PERIMETER GRADING ALONG ALL BUILDING STRUCTURES SHALL SLOPE AWAY FROM STRUCTURE.
- GENERAL CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND CURRENT BUILDING CODES AND REGULATIONS.
- ALL PLANS SHALL BE CONSIDERED COMPLEMENTARY TO EACH OTHER. THE CONTRACTOR SHALL REFER TO THE MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ANY THING WHICH IS REQUIRED OR BINDING BY ONE DISCIPLINE SHALL BE AS IF REQUIRED BY ALL.
- THE INTENTION OF ALL DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND OTHER ITEMS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL WORK CONCERNING PROVISIONS FOR AND INSTALLATION OF EQUIPMENT NOTED NOT IN CONTRACT. HE SHALL COORDINATE ALL THESE ITEMS WITH THE PROJECT MANAGER.
- ALL VERTICAL MECHANICAL SHAFTS OR CLOSE WALLS SHALL EXTEND FROM FINISH FLOOR, TO STRUCTURE ABOVE AND MAINTAIN A 1-HOUR FIRE RATING.
- ALL EXPOSED MECHANICAL UNITS, DUCTS AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT FINISHES EXCEPT FOR IDENTIFICATION PLATES.
- ALL FIRE EXTINGUISHER CABINETS SHALL BE FRAMED INTO WALL.
- IF FURRING IS NOT INDICATED ON PLANS, CHECK AND VERIFY ALL LOCATIONS OF DUCTS, PIPES AND VENTS WITH MECHANICAL ELECTRICAL DRAWINGS AND FURR THESE EXPOSED ITEMS WITH SAME MATERIAL TO MATCH ADJACENT FINISHES. DO NOT FURR IN PIPING WHICH IS REQUIRED BY CODE TO BE FINISHED.
- ALL VERTICAL CEILING DROP FINISHES SHALL MATCH ADJACENT FINISHES.
- ALL FINISH CEILING HEIGHTS SHALL BE AS INDICATED UNLESS MECHANICAL ELECTRICAL OR STRUCTURAL COMPONENTS PREVENT FULL HEIGHT. CEILING HEIGHTS SHALL BE COORDINATED WITH PROJECT MANAGER AT THIS TIME.
- THE CONTRACTOR SHALL REPAIR ALL EXISTING FINISHES DAMAGED DURING CONSTRUCTION AND MATCH FINAL FINISHES TO ALL EXISTING AND NEW WALL SURFACES.
- WHEN DEMOLITION AND OR RENOVATION REQUIRES ACCESS TO CERTAIN AREAS OUTSIDE THE LIMITS OF WORK, SUCH AS CEILING OR FLOOR BELOW, THE CONTRACTOR SHALL CONTACT THE OWNER OR PROJECT MANAGER BEFORE ACCESS IS MADE. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED EXISTING MATERIALS OR EQUIPMENT CAUSED BY THE ACCESS PROCESS.
- ALL WALLS REQUIRING REPAINTING SHALL BE PATCHED, FILLED AND SANDED TO RECEIVE NEW FINISH. THE ENTIRE WALL SHALL THEN BE FINISHED OR PAINTED CORNER TO CORNER TO PRESENT A FINAL NEAT, CLEAN & COMPLETED JOB WHERE ANY WALL BASE IS FOUND TO BE LOOSE OR MISSING IT SHALL BE REPLACED TO MATCH EXISTING OR REGLED TO SUBSTRATE. (AREAS WHERE NEW CONSTRUCTION OR RENOVATION HAS EFFECTED SURFACES)
- CONTRACTOR SHALL FILL ALL OPENINGS IN EXISTING OR NEW WALLS WITHIN THE LIMITS OF THE WORK AFFECTED BY THE REMOVAL OF WINDOWS, DUCTWORK, PIPING, CONDUITS, ETC. WITH MATERIALS TO MATCH ADJACENT WALLS.
- ALL DRYWALL PARTITIONS WHICH EXTEND TO THE STRUCTURE ABOVE, SHALL BE SEALED/CAULKED TIGHT AGAINST BEAMS, HEADER, JOISTS, ROOF DECKS AND FLOORS, TYPICAL.
- ALL WALL OPENINGS SHALL RECEIVE DOUBLE STUD FRAMING.
- CONTRACTOR SHALL PROVIDE JOINT ANCHOR CLIPS, FLOOR ANCHOR CLIPS AND MITERED HEAD SPIRES AT ALL DOOR FRAMES, TYPICAL.
- IF REMOVAL OF EXISTING CONSTRUCTION EQUIPMENT, FIXTURES, MILLWORK OR ETC., RESULTS IN DAMAGED ADJACENT PARTITIONS, FLOORS AND CEILING SURFACES, ALL DAMAGED SURFACES SHALL BE REPLACED OR PATCHED TO MATCH EXISTING OR NEW FINISHES.
- ALL DEMOLITIONED MATERIAL BECOME THE PROPERTY OF THE GENERAL CONTRACTOR AND SHALL BE REMOVED FROM THE SITE PRIOR TO CONSTRUCTION. ALL DEMOLITIONED FIXTURES, MILLWORK, EQUIPMENT AND ETC., SHALL BE COORDINATED WITH THE OWNER OR PROJECT MANAGER PRIOR TO ACTUAL DEMOLITION. OWNER HAS THE RIGHT TO FIRST REFUSAL.

LEGEND

	WOOD OR H.M. DOOR IN PLAN VIEW
	DOUBLE-HUNG WOOD INSULATED WINDOW
	IDENTIFICATION NUMBER SYMBOL
	DIMENSION LINE
	CARPET/VINYL SEPERATER
	GYPSUM BOARD SECTION VIEW
	CONCRETE BLOCK U-BLOCK LINTEL
	4, 6 or 8" MTL STUD WALL (SEE FLR PLAN LEGEND)
	FIRE-RATED WALL TO MEET U.L. DESIGN NO. U305
	CMU WALL IN PLAN VIEW
	METAL STUD KNEE WALL-SEE FLR PLAN
	FLOOR TILE
	CONCRETE IN PLAN VIEW -C.I.S. IN ELEVATION
	HIDDEN LINE
	CRUSHED STONE - SECTION VIEW
	FILL EARTH
	CONCRETE BLOCK IN SECTION VIEW
	CONCRETE SECTION VIEW
	STEEL
	STANDARD 8" OR 12" CMU IN ELEVATION
	STUCCO OR RIGID INSULATION
	COATED INSULATION SYSTEM (E.I.F.S.)
	WELDED WIRE MESH
	ARCHITECTURAL BUILDING SECTION
	ARCHITECTURAL WALL SECTION

	FURRED COLUMN w/ EIFS VENEER
	GLASS IN SECTION
	SHEET METAL IN SECTION
	NEOPRENE IN SECTION
	MASONRY HORIZONTAL TIE
	RESIDENTIAL TYPE ELECTRIC OVEN
	WATERCLOSET (TOILET)
	HAND SINK IN PLAN VIEW
	CASED OPENING IN 4",6" 8" OR 12" STUD WALL
	ELEVATION POINT/MARK
	BUILDING SECTION
	ARCHITECTURAL BUILDING ELEVATION
	HANDICAP SYMBOL
	INTERIOR ELEVATION INDICATION
	CONCRETE FOUNDATION SECTION CUT
	INTERIOR ELEVATION INDICATIONS
	WELDING INDICATION
	REINFORCEMENT BAR IN ELEVATION VIEW
	REINFORCEMENT BAR IN SECTION VIEW
	ROOM NUMBER
	FIRE EXTINGUISHER

MTL.	METAL
E.S.	EACH SIDE
TYP.	TYPICAL
CONC.	CONCRETE
BLK	BLOCK
CJ	CONTROL JOINT
@	AT OR ABOUT
DET	DETAIL
EL	ELEVATION
OH	OVERHEAD DOOR
TUB.	TUBULAR
O.D.	ON DIAMETER
ALUM	ALUMINUM
FOUND.	FOUNDATION
STL.	STEEL
CMU	CONCRETE MASONRY UNIT
DS	DOWN SPOUT
N.I.C.	NOT IN CONTRACT
ELEC	ELECTRICAL OR ELECTRIC
CONT.	CONTINUOUS
W.W.F.	WELDED WIRE FABRIC
WI	WITH
WP	WATERPROOF
SCH.	SCHEDULE
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
MIN.	MINIMUM
MAX.	MAXIMUM
F.V.	FIELD VERIFY

CL	CENTERLINE
P.V.C.	POLYVINYL CHLORIDE
FT.	FOOT
EXP.	EXPANSION
INSUL	INSULATION
REQD	REQUIRED
J-BOX	JUNCTION BOX
GEN.	GENERAL
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
SPECS	SPECIFICATIONS
SYS	SYSTEM
CLR	CLEAR
O.C.	ON CENTER
STD.	STANDARD
P.S.I.	POUNDS PER SQUARE INCH
VERT.	VERTICAL
LL.V.	LONG LEG VERTICAL
CL	CENTERLINE
DIA.	DIAMETER
PL.	PLATE
WF	WIDE FLANGE
JT.	JOINT
CTR	CENTER
F.F.E.	FINISH FLOOR ELEVATION
BLDG.	BUILDING
E.I.F.S.	EXTERIOR INSULATED FINISH SYSTEM
PEMB	PRE-ENGINEERED METAL BUILDING

EA.	EACH
FIN.	FINISH
VERT	VERTICAL
FTG.S	FOOTINGS
MAT'L	MATERIAL
ARCH.	ARCHITECTURAL
MECH.	MECHANICAL
DWG.S	DRAWINGS
HORIZ.	HORIZONTAL
RES.	RESISTANT
HB	HOSE BIBB
HW	HOT WATER
CW	COLD WATER
V.T.R.	VENT THROUGH ROOF
GYP. BD.	GYPSUM BOARD
OPNG'S	OPENINGS
TOIL.	TOILET
P.T.	PRESSURE TREATED
FL.	FLOOR
CLG.	CEILING
ACOUST.	ACOUSTICAL
M.O.	MASONRY OPENING
R.	RADIUS
ADJ.	ADJUSTABLE
MNT'D	MOUNTED
F.D.	FLOOR DRAIN
GALV.	GALVANIZED

ABBREVIATIONS

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INDEX CODE

sdq277 t200

REVISIONS

NO.	DATE & DESCRIPTION

DATE OF DWG.

12 Aug. 2026

PRINTING DATE

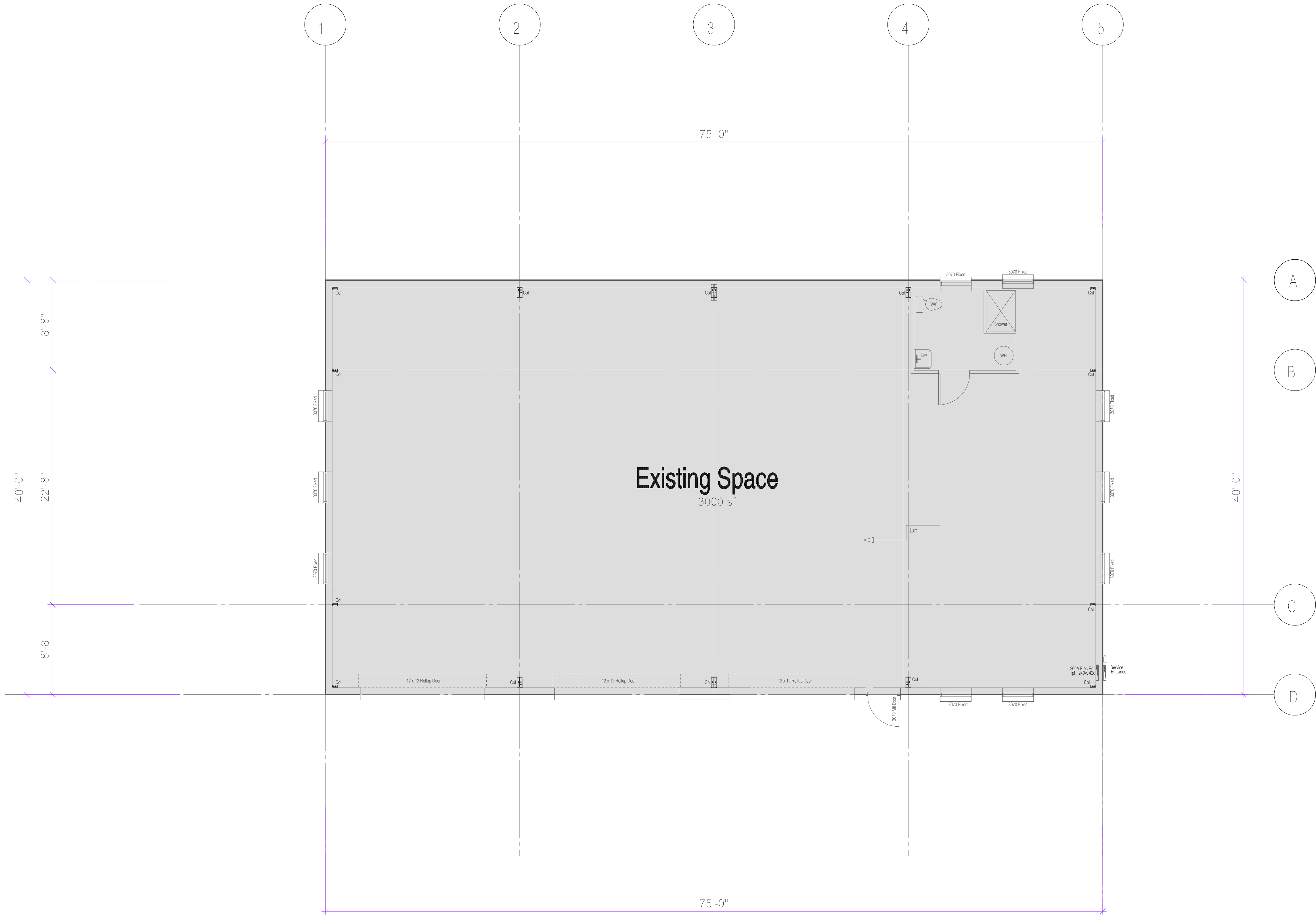
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T200

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Seal

Project Name



As-Built Floor Plan

Scale 3/16"=1'-0"

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Dimensional 1st Floor Plan

Scale 3/16"=1'-0"

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sda181 s-1

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12 Aug. 2026

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Dimensional 2nd Floor Plan

Scale 3/16"=1'-0"

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sda277 a200

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DATE OF DWG.
12 Aug. 2026

PRINTING DATE

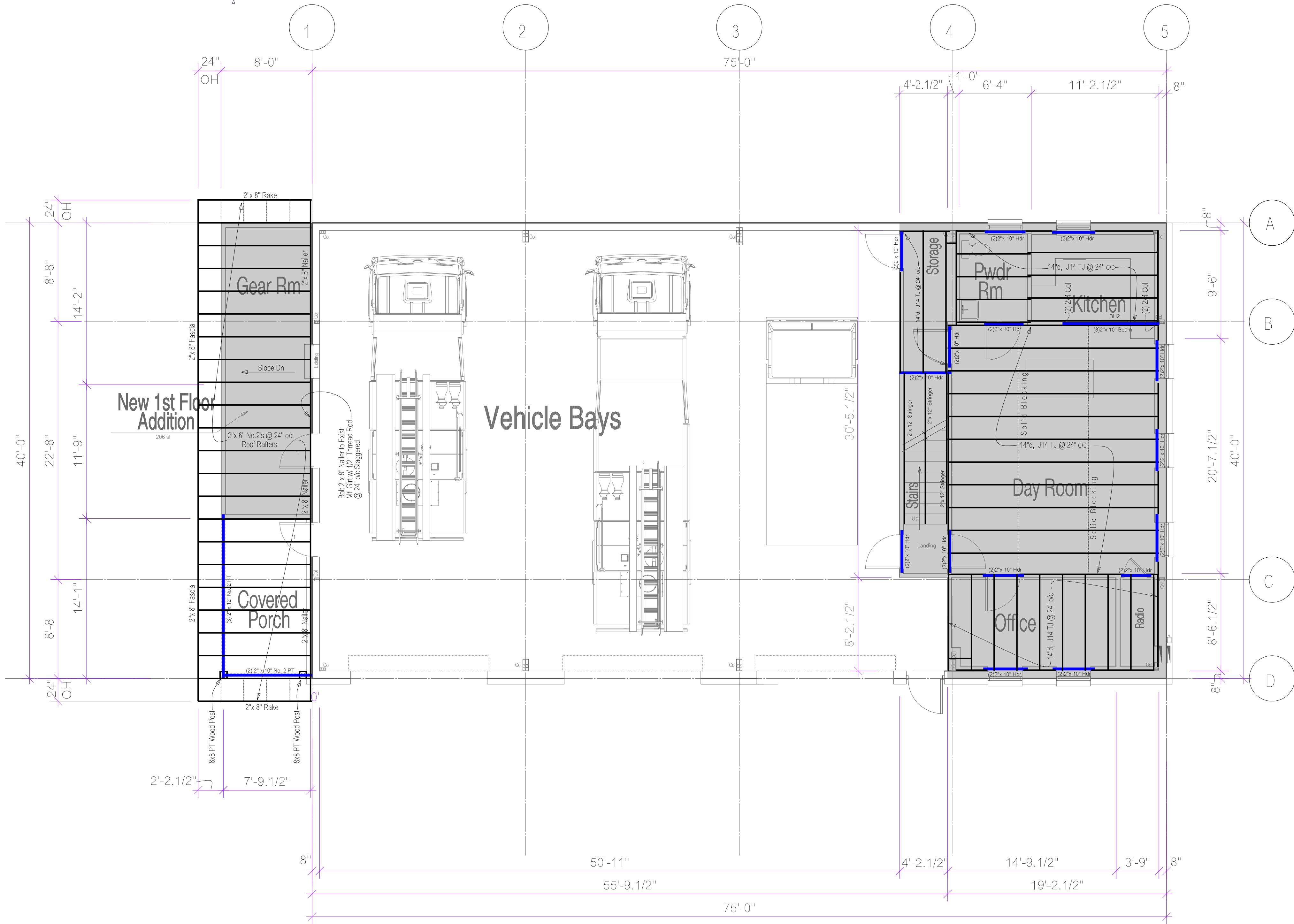
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FLOOR & ROOF DESIGN LOADS	
ROOFS LIVE LOAD	20 psf
SLEEPING ROOMS	40 psf
DEAD LOAD	10 psf
MAX LL DEFLECTION Δ	L/360

Allowable Single Span for 2"x 10" No.2 @ 12" o/c = 18'-1"*

Max Δ on 18'-1" Spans = 0.603" (L/360)

Beam/Header Schedule (Mezzanine)				
Mark	Count	Part Name	Size	Length
BH1	01	Header	(2) 2"x 10" Hdr	3'-8" Min
BH2	01	Floor Beam	(2) 2"x 12" Bm	8'-6" Min



Floor Joists shall be J14 - 14"o Open Web Wood Floor Joists @ 24" o/c

Max. Span = 22'-10"

Max Round Duct Size = 8.0"

Max Rect. Duct Size = 3x12, 4x10 or 6x6

New Roof Expansion & 2nd Floor Framing Plan

Scale 3/16"=1'-0"

Project Name

Construction Document for
Banks County Fire Station
Fire Station 33
Banks County, Georgia

Seal

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DATE OF DWG.

24 Aug. 2026

PRINTING DATE

SHEET NUMBER

A300

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1. ALL FINISHES SHALL BE PROVIDED AND INSTALLED AS A PART OF THIS CONTRACT.
2. ALL FINISHES SHALL MEET OR EXCEED THE REQUIREMENTS OF IRC.
3. THE G.C. SHALL INSTALL ALL REQUIRED NON-COMBUSTIBLE BLOCKING AS REQUIRED FOR THE INSTALLATION OF DOORS, WINDOWS, AND TOILET ROOMS ACCORDING TO AND COORDINATE BLOCKING WITH EQUIPMENT SUPPLIERS AND INSTALLERS.
4. THE G.C. SHALL COORDINATE LOCATIONS OF ELECTRICAL SWITCHES, PANELS, WATER SERVICE, ETC. WITH UTILITY COMPANIES. THE G.C. SHALL COORDINATE COORDINATE WITH THE MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS (MEP).
5. REFER TO FLOOR PLANS FOR MATERIAL, LOCATIONS AND TRANSITIONS;
 - PROVIDE VINYL TRANSITION STRIPS AT ALL LOCATIONS WHERE DISMILAR FLOOR MATERIALS MEET - SEE DETAILS BELOW.
 - PROVIDE RUBBER THRESHOLDS AT ALL LOCATIONS WHERE HARD SURFACE TILE MEETS OTHER MATERIALS - SEE DETAIL BELOW.
 - DOOR THRESHOLDS AND TRANSITION STRIPS SHALL NOT EXCEED 1/2" IN HEIGHT.
6. ALL WALL OR CEILING MOUNTED ELEC. PANELS, GRILLS, CONVECTORS, ACCESS PANELS, CABINETS HEATING ETC. SHALL BE INSTALLED TO MATCH SURROUNDING WHERE LOCATED UNLESS OTHERWISE NOTED OR WHERE PRE-FINISHED MATERIALS ARE SPECIFIED.

FLOOR		BASE	CEILING	WALLS
C-1	CARPET, ROLL TYPE MANUFACTURER: - FINISH: FLOAT FINISH COLOR: CHOSEN BY OWNER SIZE: SEE FOUNDATION PLAN	VB VINYL BASE MANUFACTURER: JOHNSONITE STYLE: VINYL WALL BASE COLOR: CHOSEN BY OWNER SIZE: 120" X 4" X 1/8"	ACT ACOUSTICAL 2'X 2' LAY-IN TILE MANUFACTURER: ARMSTRONG OR EQUAL COLOR: CHOSEN BY OWNER FINISH: SEMI-GLOSS	KP-1 METAL PANEL (24 GAUGE) PAINTED MANUFACTURER: SHERWIN WILLIAMS COLOR: CHOSEN BY OWNER FINISH: SEMI-GLOSS
C-2	QUARRY OR PORCELAIN TILE MANUFACTURER: - FINISH: PICKED BY OWNER FINISH COLOR: CHOSEN BY OWNER SIZE: CHOSEN BY OWNER	QT 4" OR 6" H QUARRY TILE TO MATCH FLOOR MANUFACTURER: JOHNSONITE STYLE: PICKER BY OWNER COLOR: CHOSEN BY OWNER SIZE: 12" X 4"X 1/8"	ESS EXPOSED STRUCTURE FINISH: NONE	ESS EXPOSED STRUCTURE FINISH: NONE
C-3	EXPOSED "SEALED" CONCRETE MANUFACTURER: - FINISH: BROOM OR SCORED FINISH COLOR: CHOSEN BY OWNER SIZE: SEE FLOOR PLAN		GYP GYPSUM BOARD - PAINTED MANUFACTURER: SHERWIN WILLIAMS COLOR: CHOSEN BY OWNER FINISH: FLAT, EGGSHELL	GYP GYPSUM BOARD - PAINTED MANUFACTURER: SHERWIN WILLIAMS COLOR: CHOSEN BY OWNER FINISH: FLAT, EGGSHELL
C-4	VCT - VINYL COMPOSITION TILE MANUFACTURER: - FINISH: PICKED BY OWNER FINISH COLOR: CHOSEN BY OWNER SIZE: 12" X 12"			GYP GYPSUM BOARD - PAINT (WATER RESISTANT) MANUFACTURER: SHERWIN WILLIAMS COLOR: CHOSEN BY OWNER FINISH: FLAT, EGGSHELL
C-5	LVP - LUXURY VINYL COMPOSITION PLANKS MANUFACTURER: - FINISH: PICKED BY OWNER FINISH COLOR: CHOSEN BY OWNER SIZE: 6" X 48" OR CHOSEN BY OWNER			

[illegible]

1. The Forces required to fully open any door manually in a means of egress shall not exceed 15 lbf (16 N) to release the latch, 30 lbf (33 N) to set the door in motion, and 15 lbf (16 N) to pull the door to the minimum required width. These forces shall be applied at the latch site.
2. Each window and door located in walls which separate conditioned space and unconditioned space (including building exterior) shall be labeled by the manufacturer to specify the minimum required width requirements of National Fire Protection Rating Council per NFRC 100 and 200 for Field verification by the Inspector.
3. The minimum U-Factor for a Fenestration product (door, window, skylight) shall be determined in accordance with National Fire Protection Rating Council NFRC 100-01 (Procedure for Determining Fenestration Product U-Factors) and NFRC 200-01 (Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence).
4. All walks, exits, and other spaces that are part of an accessible route shall comply with Rule 101.
5. (Exit/Discharge) shall be provided per the requirements of Chapters 5-1 of the NFPA 101 Life Safety Code 2000 edition.
6. Flame spread rating of Owens Corning Fiberglas Full-Faced Batt Insulation B1: Flame Spread < 25; Smoke Developed < 50
7. Flame spread rating of Owens Corning Vinyl Bag (V.B.) Roof Insulation: Flame Spread < 20; Smoke Developed < 50
8. All concealed materials within the floor joist and ceiling cavities (completely enclosed by applied finishes) shall have a flame spread index of not more than 25 and a smoke developed index of not more than 450 as determined in accordance with ASTM E 84 (SBCE Section 1020.2).
9. Masonry brick and stone tiles shall be Model no. 1001, type II (2 gauge, galvanized, as manufactured) per the American Iron and Steel Corporation of America, (1-B00-84-61122), or approved equal.
10. Step edge insulation shall be installed per manufacturer's recommendations.
11. Insulation in contact with ground has < 0.3% water absorption rate per ASTM C212.
12. Insulation in contact with water shall have a water absorption rate of less than 1%.
13. Above grade wall insulation shall be installed per manufacturer's recommendations.
14. Insulation shall be installed in substantial contact with the inside surface separating conditioned space from unconditioned space.
15. Interior insulation shall be protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during foundation inspection.
16. All sources of air leakage in building envelope are sealed, caulked, gasketed, weather-stripped or capped with pressure permeable material to minimize air leakage.
17. Default values for fenestration products shall be in accordance with NFRC 100. To verify values of products prior to installation.
18. Door supplier to provide certification listing U-Factor, SHGC, and flame ratings.

Climate Zone 3

Celling Insulation	= R-38 Insulation
Walls, Wood Framed, Other	= R-13 Insulation
Ext. Swinging Type Doors	= U = 0.38
Roll-up Type Doors	= U = .145
Entrance Door Fenestration	= U = 1.10
Windows	= U = 0.65
SHGC	= 0.25 to 0.40
Electrical Lighting wattage allowance	= 0.8 w

*PF = Projection Factor

DOOR HARDWARE

DOOR HARDWARE				
DOOR	EQUIPMENT	SPECIFICATION - VERIFY BEFORE ORDERING		
1	LOCKSET; HINGED; CLOSER; THRESHOLD; OTHER:	1 SET QUALITY PUSH/PULL PLATES (630 FINISH) (3) HICKNRY 1A274 1832Z FINISH DORMA 7601 FULL-COVER CLOSERS (ACCESSIBLE) PEMCO #254-A-36 PULL BUSHES, USED FINISH (OWNER OPTIONAL) QUALITY 1337A DOOR SILENCERS 1 4 SWAGE THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS.		
2	LOCKSET; HINGED; CLOSER; THRESHOLD;	(3) HICKNRY 1A274 EXTRA HEAVY DUTY COMMERCIAL MODEL NO. D53PD, 630 FINISH (3) HICKNRY 1A274 1832Z FINISH NORTON #9381 (ACCESSIBLE) PEMCO #250 A-36 VINT. DOOR SNIP		
3	LOCKSET; HINGED; CLOSER; THRESHOLD;	(3) HICKNRY 1A274 1832Z FINISH NORTON #9381 (ACCESSIBLE) RESTROOMS ONLY		
4	LOCKSET; HINGED; CLOSER; THRESHOLD;	(3) HICKNRY 1A274 1832Z FINISH NORTON #9381 (ACCESSIBLE) RESTROOMS ONLY		

Doors 7 & 8 - See Detail this sheet (Provide Lock) - Electric Motor on Door #8

Door 6 - Partition Door with Lockable Hardware

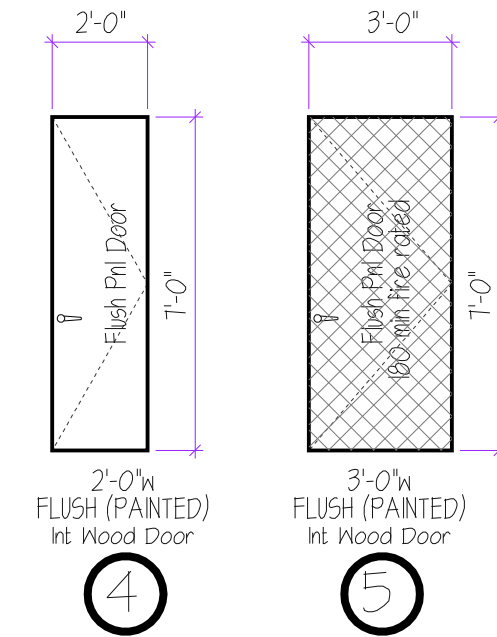
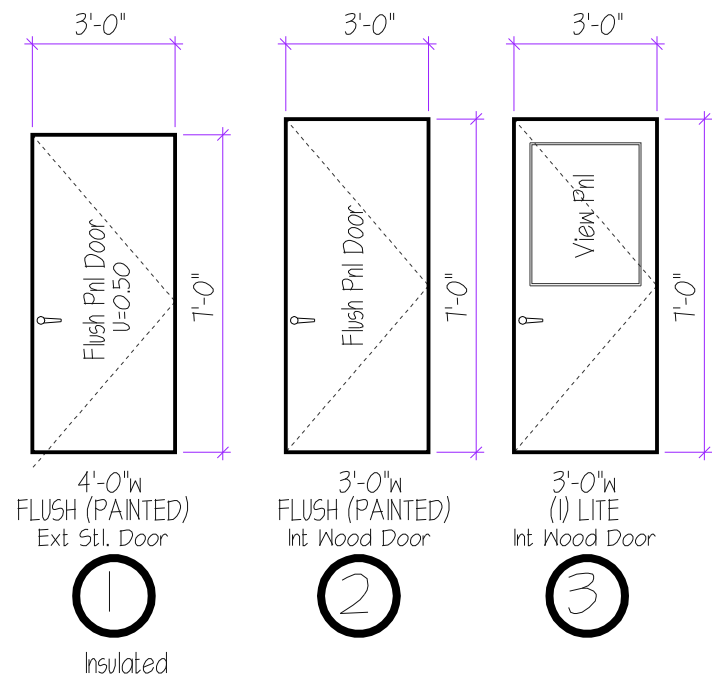
*** Bathroom Storage Office - D42B
*** Bathroom Storage Office - D10CD

*** Bathroom Storage - D42CD
*** Bathroom Storage - D10CD

Floor Plan Indicator =

[illegible]

Note: Doors & Windows Shall Be Designed To Withstand Local Wind Conditions (90 Mph)



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Fire Station 33
Banks County, Georgia**

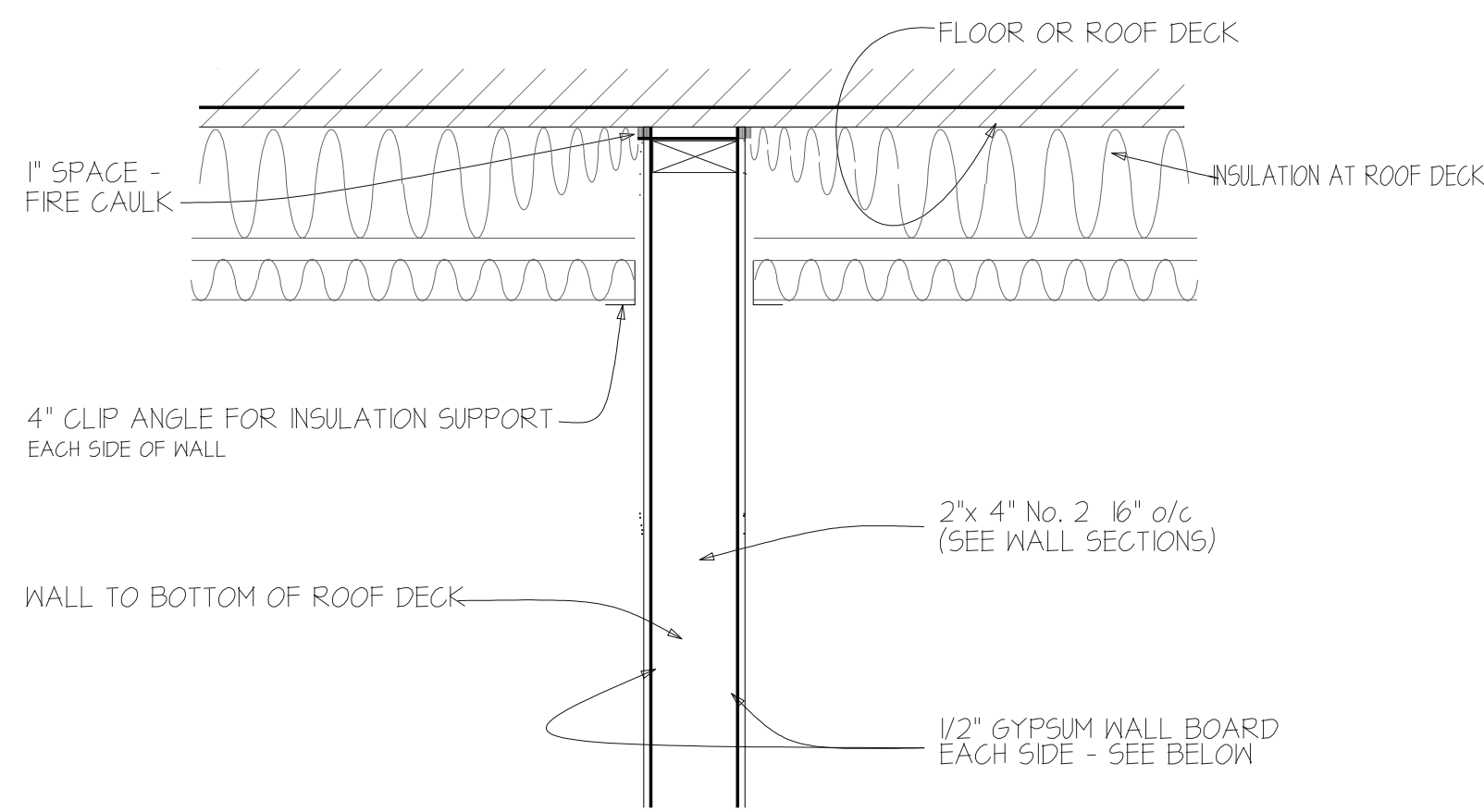
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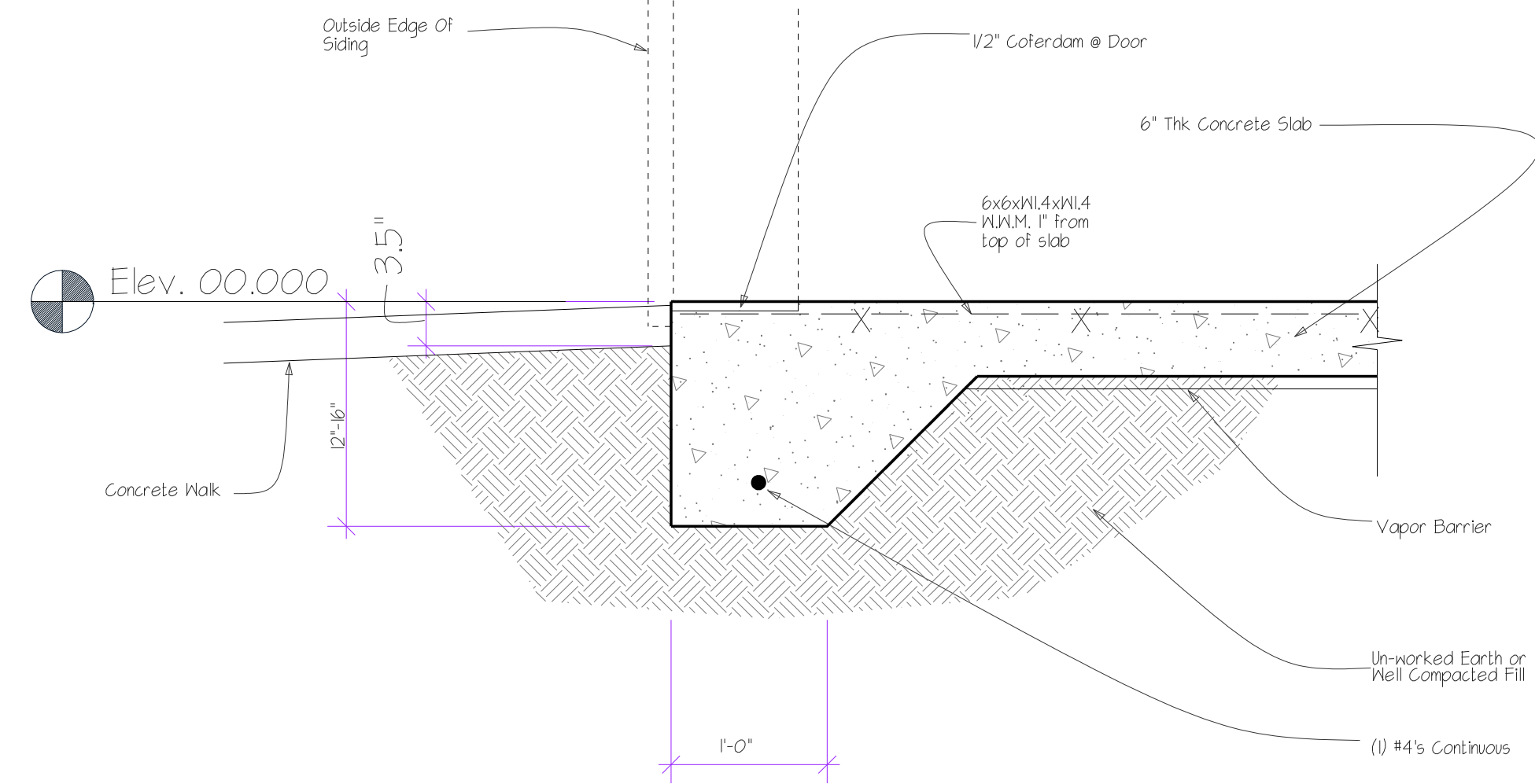
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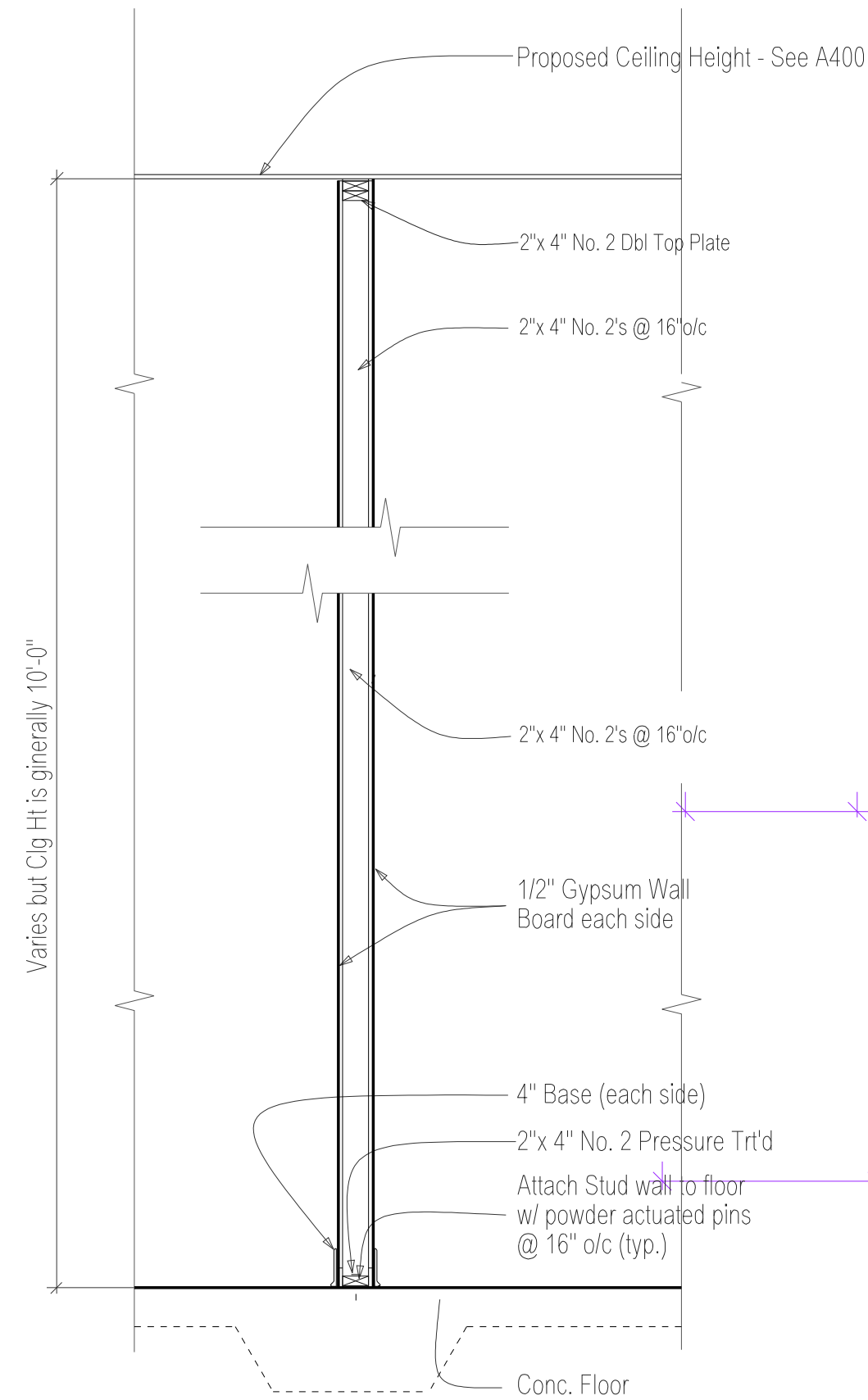
FLOOR & ROOF DESIGN LOADS	
SLEEPING ROOMS (Floor)	50 psf
ROOF	20 psf
PARTITION LOAD	10 psf
DEAD LOAD	10 psf
MAX LL DEFLECTION Δ	L/360

1. * FLOOR JOIST DESIGN BASED ON SSMA - STEEL STUD MANUFACTURER'S ASSOC., PRODUCT

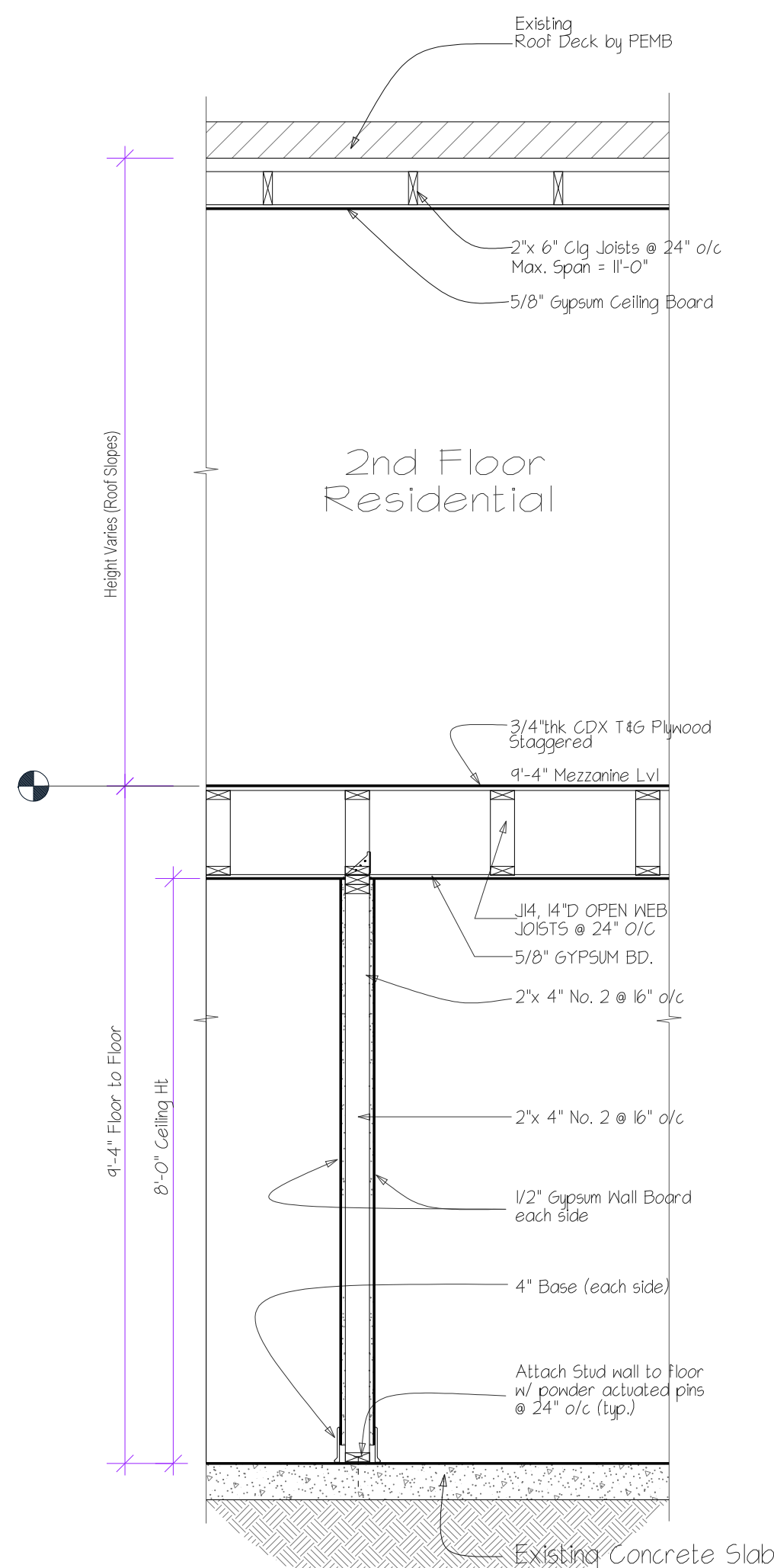
6 Top Of Wood Stud Wall Detail
A500 Scale 1/2"=1'-0"



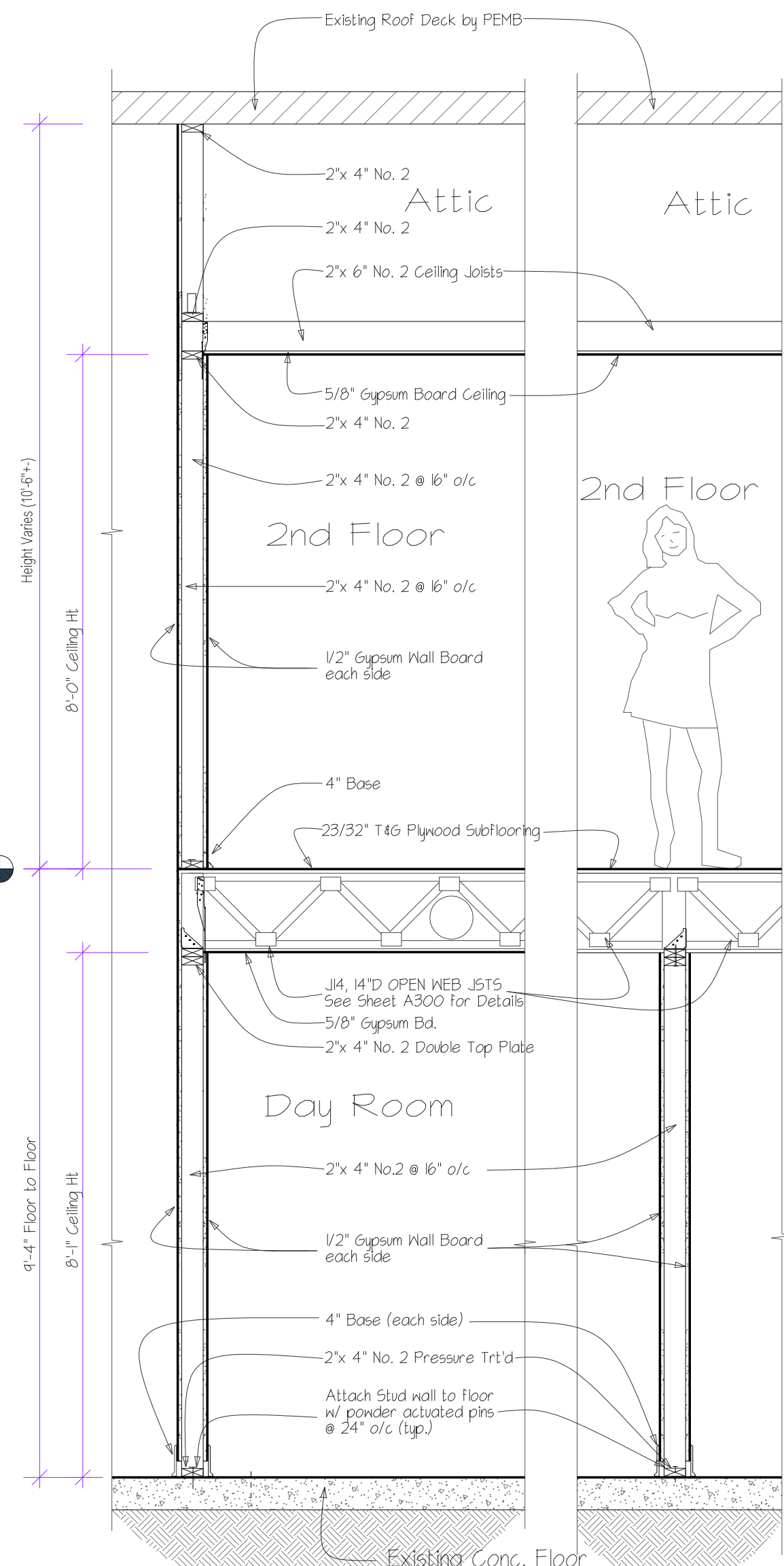
7 Typical Turn-down Footing
A500 Scale 1/2"=1'-0"



1 Typical Load Bearing Interior Partition Wall
A500 Scale 1/2"=1'-0"

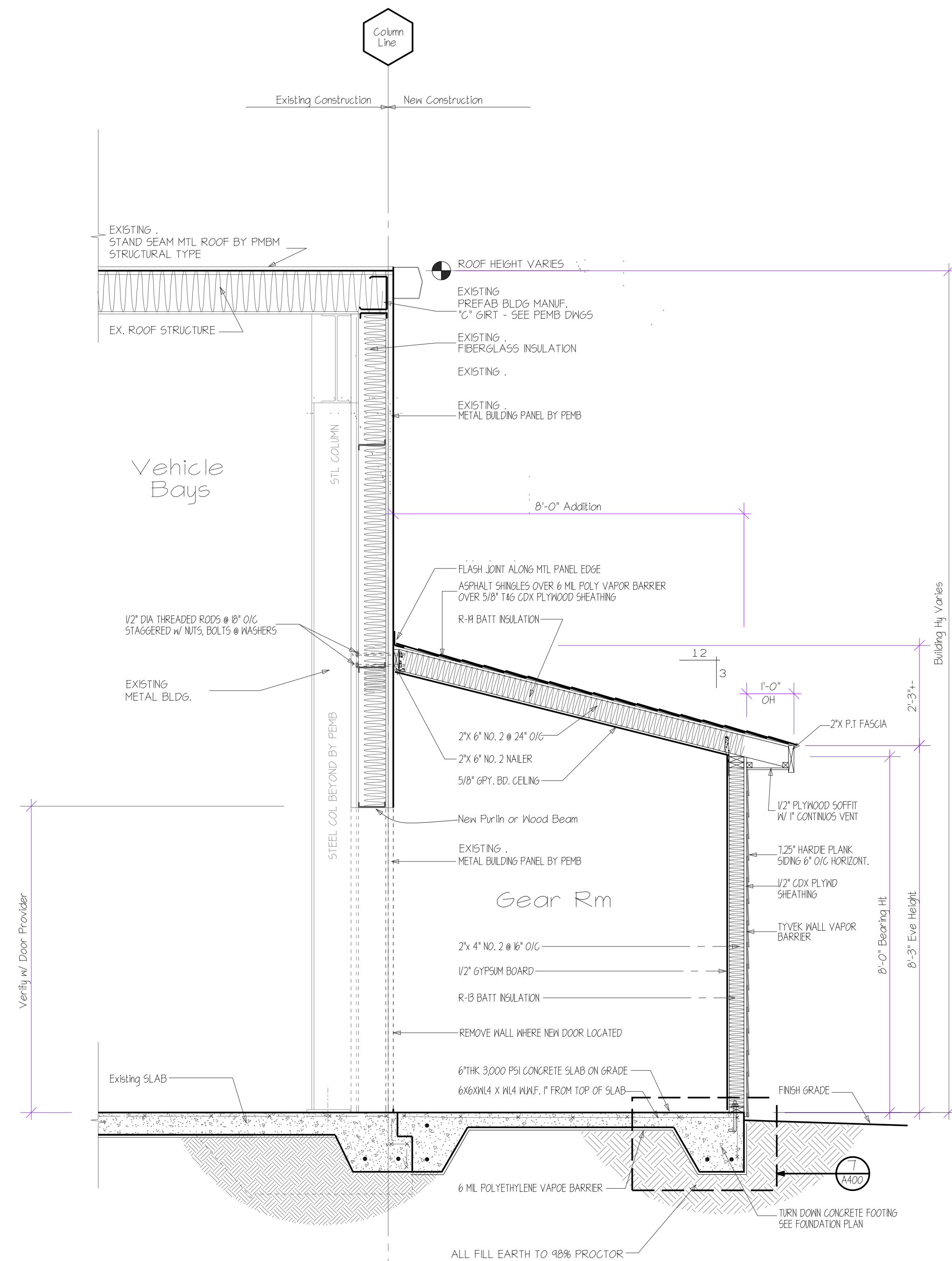


2 Interior Wall Sections at 2nd Floor Level
A500 Scale 1/2"=1'-0"



Bearing Wall Non-Bearing Wall

3 Interior Wall Sections at Office Area
A500 Scale 1/2"=1'-0"



4 Side Wall Section at New Addition
A500 Scale 1/2"=1'-0"

Project Name

Banks County Fire Station
Fire Station 33
Banks County, Georgia

Seal

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REVISIONS

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SHEET NUMBER

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Wall Legend

± 4", 6", or 8" Wood stud wall
See Floor Plan sheets

GENERAL NOTES TO SHEET

SCOPE OF WORK INCLUDES INSTALLATION OF ALL INTERIOR EGRESS STAIRS, GUARDS, GUARDRAILS, HANDRAILS, PICKETS, ETC NECESSARY FOR COMPONENTS LISTED IN PLANS

1. ASTM A-36, MINIMUM EMBEDMENT OF ALL BOLTS IN GROUT OR CONCRETE SHALL BE 5" INCLUDING BOLT HEAD. (ALL BOLTS ARE EXPANSION TYPE)

2. DESIGN OF CONCRETE ELEMENTS PER NOTES AND DESIGN ON SHEET S-1, S-2 & S-3 AND IN ACCORDANCE WITH ACI 308.

3. ALL COLUMNS (3) STORES & MORE SHALL BE DIAGONALLY BRACED.

4. THE DIFFERENCE IN ELEVATION BETWEEN FINISHED FLOOR ELEVATION ON MEZZANINES AND AND STAIR LANDING SHALL BE 12" (PREFERRED) AND A MAXIMUM OF 4.0"

5. STAIR RISERS SHOULD BE UNIFORM WITH A MAXIMUM HEIGHT OF 1" (RISER) AND A MAXIMUM LENGTH OF 11" (TREAD). MAXIMUM ALLOWABLE VARIATION F 3/8"

6. STAIR DESIGN LOADS: LIVE LOAD = 100 PSF
DEAD LOAD = 20 PSF

7. STAIRS, ALL GUARDS AND HANDRAILS SHALL COMPLY WITH IBC SECTIONS 505.5.3 (EQUIPMENT PLATFORMS), 505.10, (RAMPS), 502 (HANDRAILS), 503 (GUARDS), 505.14 (ASSEMBLY GUARDS), AND 507.1.1 (LOADS).

8. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2004 (SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A235 OR ASTM 490 BOLTS).

9. ALL STRUCTURAL WELDS JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D11.4, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY.

10. WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.

11. SEE SHEETS S-1 & S-2 FOR CONCRETE NOTES, SPECIFICATIONS AND OTHER DETAILS NOT SHOWN ON STAIR FOUNDATION DETAILS AND DRAWING SHEETS.

12. SEE SHEETS S-1, AND S-2 FOR STEEL NOTES, DESIGN LOADS, SPECIFICATIONS AND OTHER DETAILS, ETC NOT SHOWN ON STAIR DETAILS AND THIS SHEET.

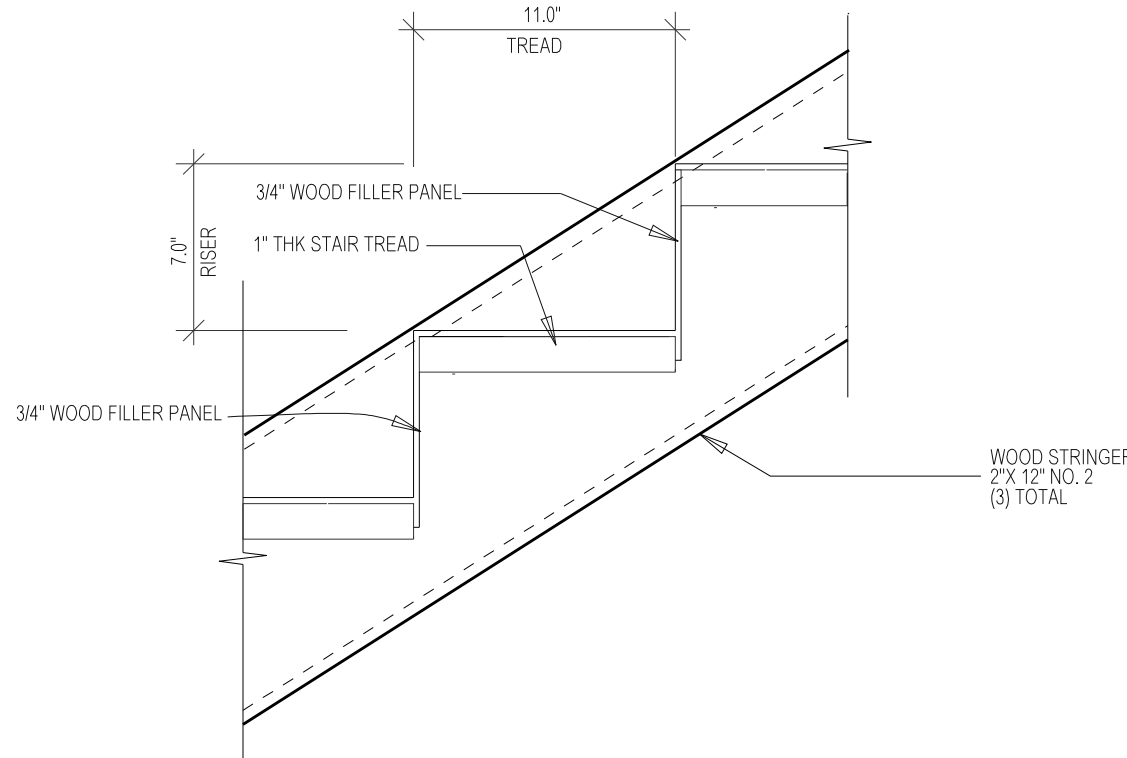
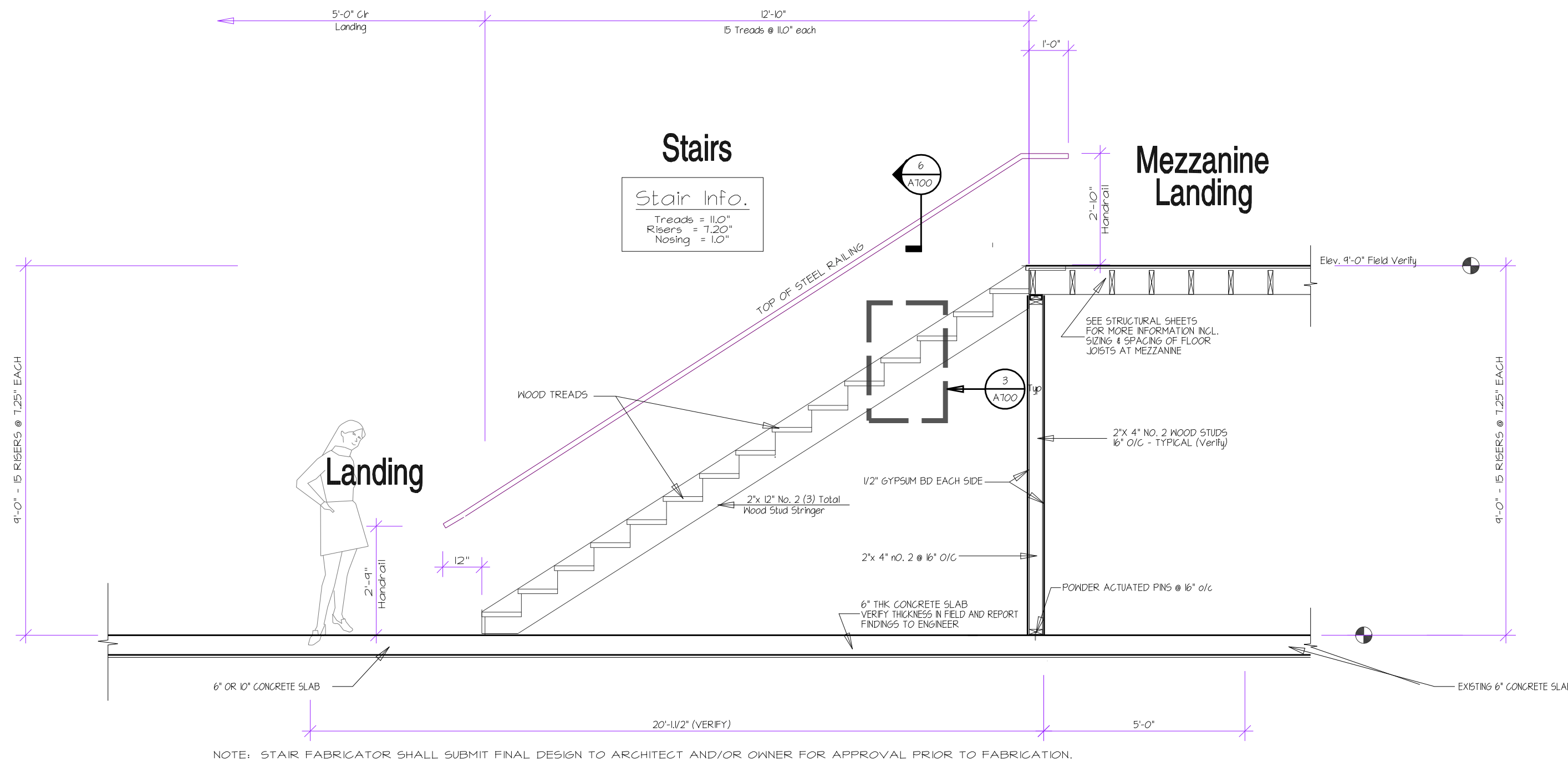
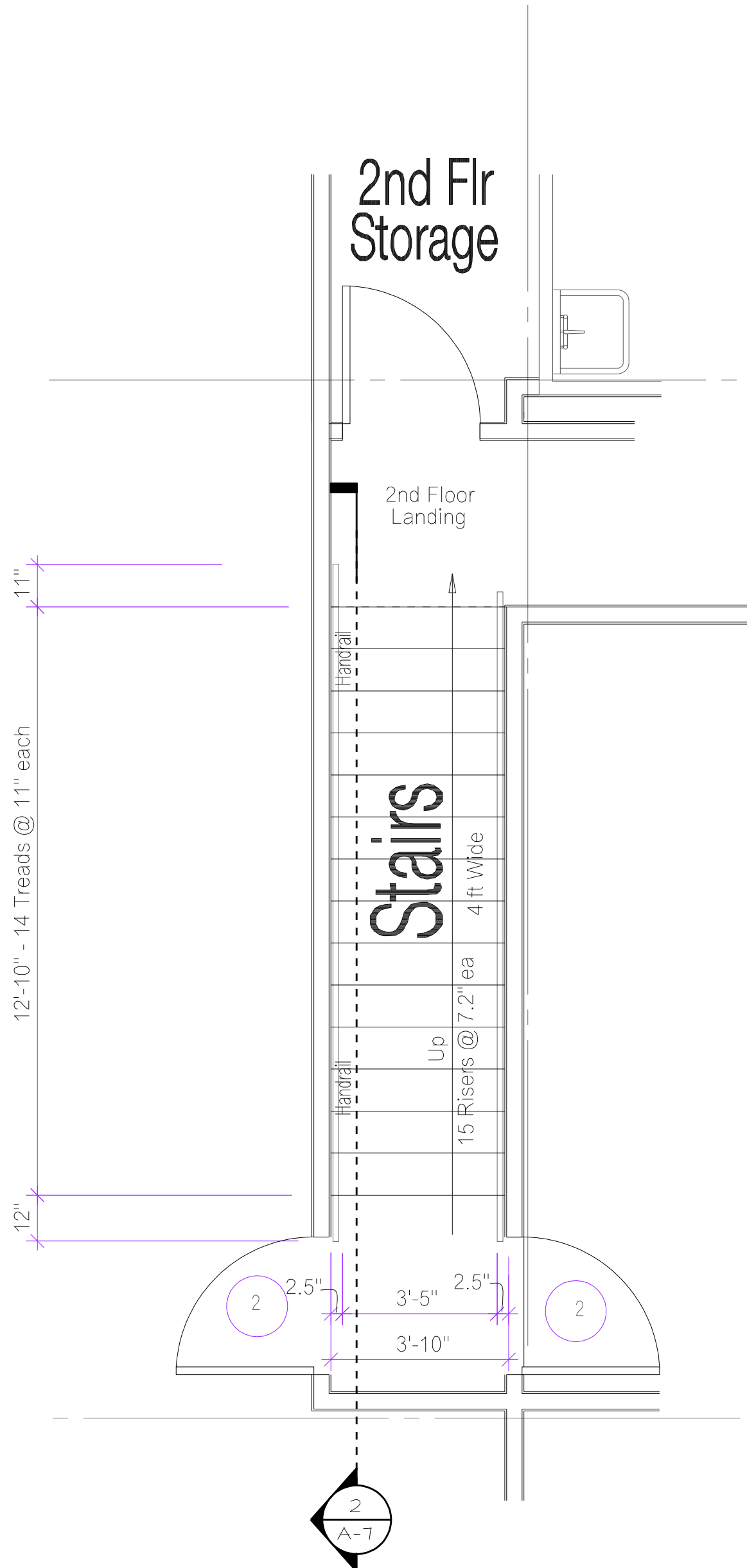
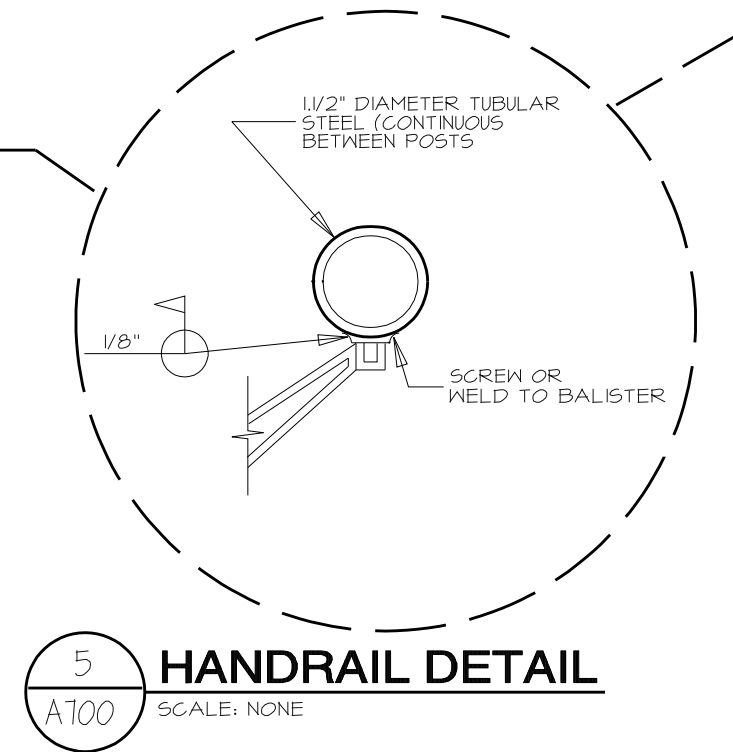
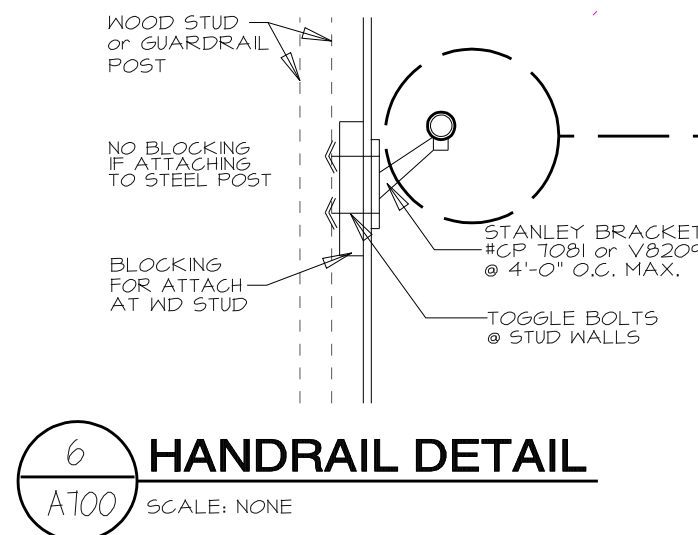
13. FIREWALL EXTENDS TO ROOF DECK AND FIRE CAULKED PER CORRESPONDING U.L. LISTING.

14. ANY PENETRATIONS INTO OR THROUGH FIRE RATED WALLS MUST BE PROPERLY INSTALLED AND PROTECTED PER U.L. LISTING

FLOOR DESIGN LOADS	
OFFICES	50 psf
CORRIDORS	80 psf
STAIRS	100 psf
DEAD LOAD	10 psf

SEE ALSO SHEETS S-1, S-2

STAIRS DESIGNED PER METAL STUD FRAMING OPTION.



Project Name

Construction Document for
Banks County Fire Station
Fire Station 33
Baldwin, GA 30511

Seal

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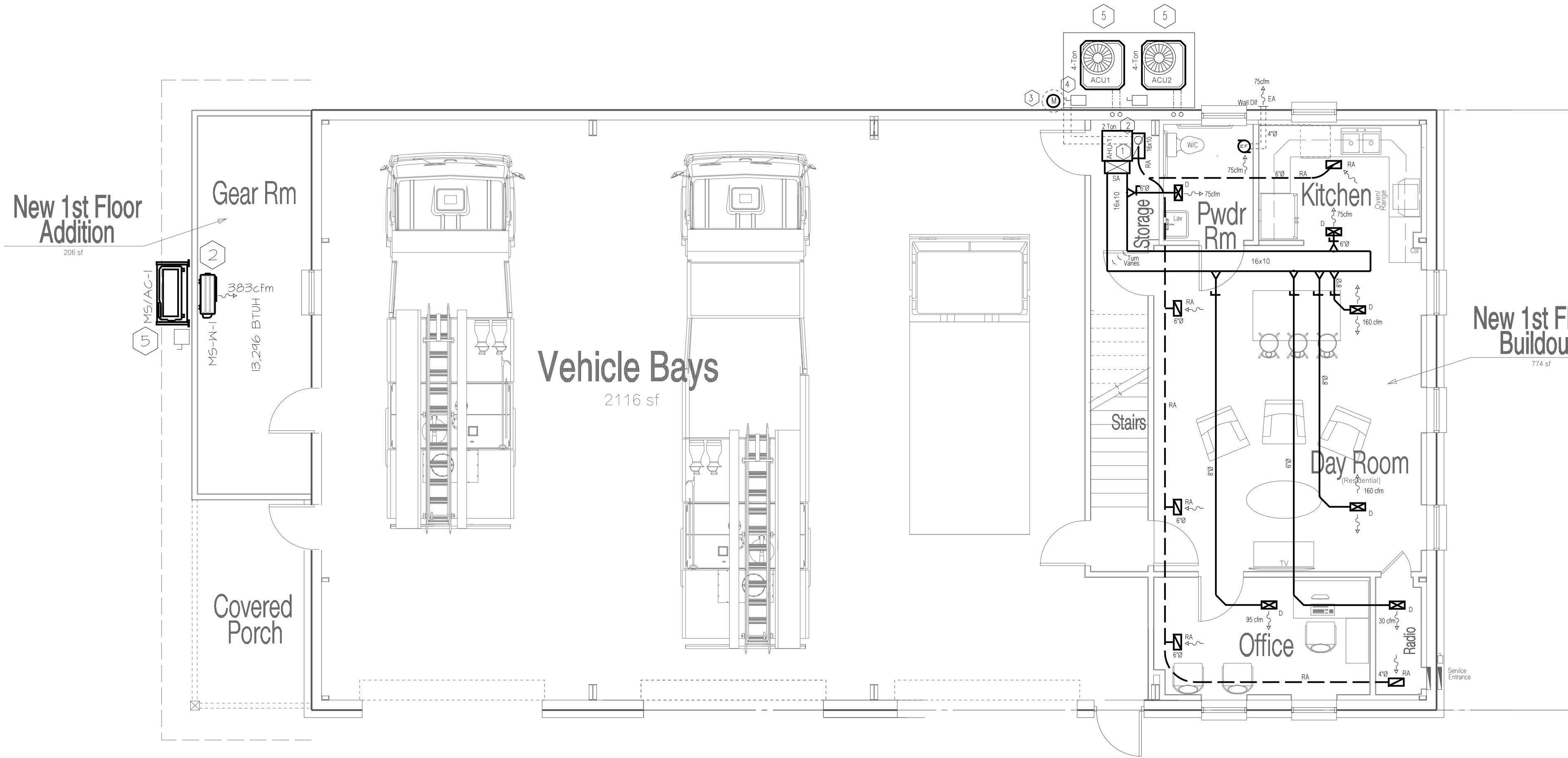
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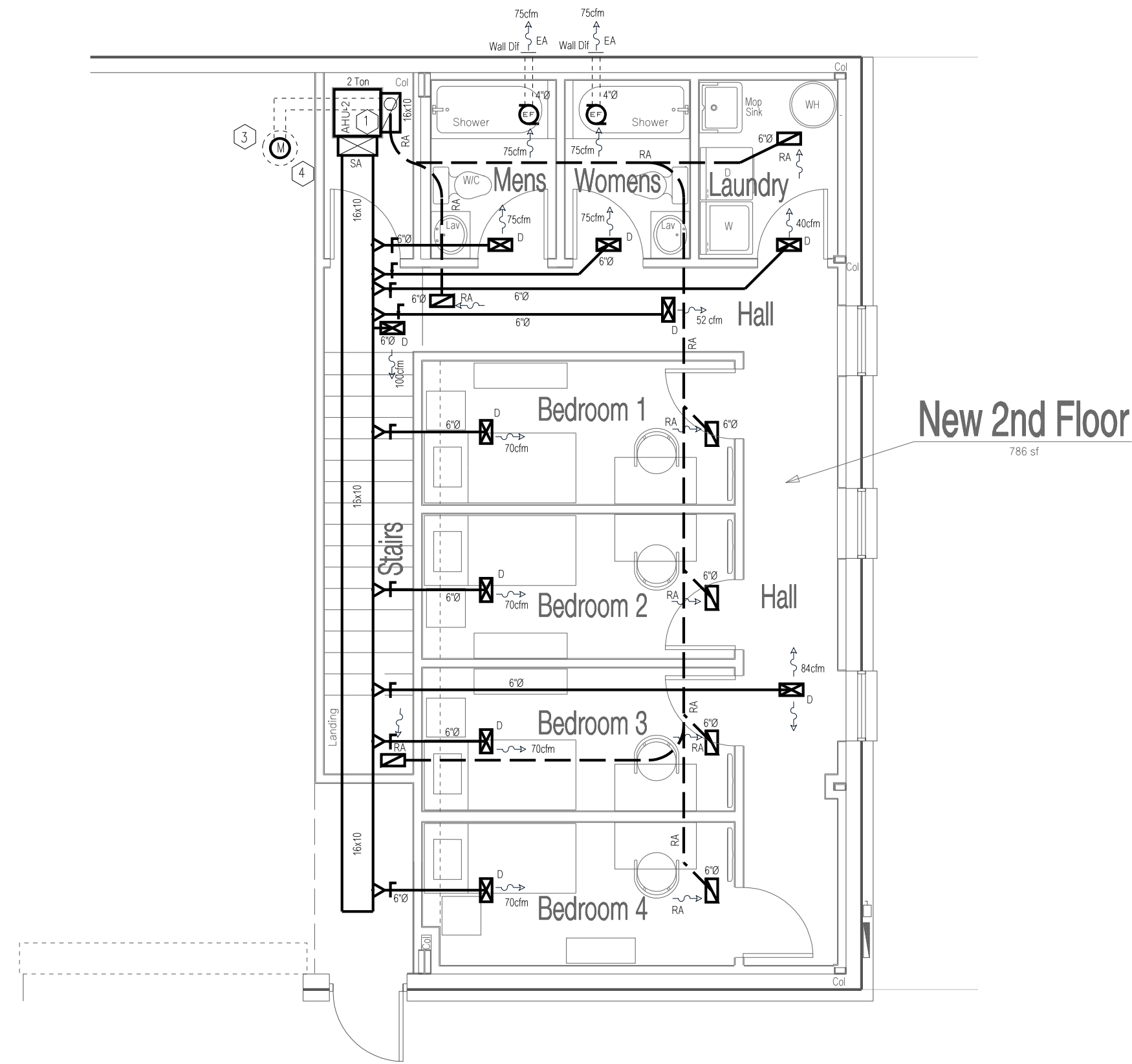
A700

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Mechanical - HVAC Main Floor Plan

Scale 1/8"=1'-0"



Mechanical - HVAC Mezzanine Floor Plan

Scale 1/8"=1'-0"

HVAC SYMBOL LEGEND	
AC	ABOVE CEILING
AD	ACCESS DOOR
	CEILING DIFFUSER
	CEILING RETURN GRILLE
	CEILING EXHAUST
	SIDEWALL REGISTER
	SIDEWALL GRILLE
CFM	CUBIC FEET PER MINUTE
FD	FIRE DAMPER
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
REL	RELIEF AIR
	THERMOSTAT (PROGRAMMABLE)
	MANUAL DAMPER
	MOTORIZED DAMPER
SA	SA - SUPPLY SIDE DUCT
RA	RA - RETURN SIDE DUCT
REL	REL - RELIEF AIR SIDE DUCT
	REFRIGERANT LINES
AHU	AIR HANDLING UNIT
CU	CONDENSING UNIT
RTU	ROOF TOP UNIT
FD	FIRE DAMPER

CODED NOTES

- INSTALL AIR HANDLER UNIT ON FLOOR LEVEL PER IBC LIMITATIONS & REQUIREMENTS. PROVIDE DRAIN PAN AND CONDENSATE DRAIN w/ TRAP FROM UNIT & RUN PIPE HEADER TO NEAREST CONDENSATE DRAIN. PLACE UNIT ON FLOOR OR ON RETURN AIR BOX.
- RUN REFRIGERANT PIPING BETWEEN A/C UNIT IN WALL TO CORRESPONDING CONDENSING UNIT LOCATED ON PAD OUTSIDE. FIELD VERIFY EXACT ROUTING. FOR SIZES REFER TO SCHEDULE ON M-2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- MOTOR OPERATED DAMPER. INTERLOCK WITH AHU ASSOCIATED AHU.
- PROVIDE SMOKE DETECTOR IN RETURN AIR DUCT OF EACH AHU. THIS ITEM FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- OUTSIDE A/C UNIT ON CONCRETE PAD.
- OUTSIDE AIR HOOD SHALL BE LOREN COOK FR 8" SPIN ALUMINUM VENT. THROAT SIZE = 11/2" DIA OR OTHERWISE NOTED. HOOD IS 1/4" DIA. ROOF CRIMP = 8 1/2" w/ BACKDRAFT DAMPER. HEIGHT = 106 IN. HEIGHT ABOVE ROOF = 8 1/2" (VERIFY LOCATION WITH ROOFING CONTRACTOR).
- INSTALL CONDENSING UNIT ON CONCRETE PAD AT SIDE EXT WALL PER IMC REQUIREMENTS

RETURN AIR REGISTER SCHEDULE		
TYPE	SIZE	AIR VOLUME (CFM)
A	24" x 24"	500
B	24" x 12"	301-550
C	12" x 12"	200 - 400
D	12" x 6"	0 -200

SUPPLY AIR DIFFUSER SCHEDULE	
TYPE OF DIFFUSER	A - 8" - 300"
	AIR QUANTITY IN CFM
	NECK SIZE
TYPE	DESCRIPTION
A	SQUARE CEILING SUPPLY AIR DIFFUSER (MODULE SIZE AS SHOWN) ANEMOSTAT EPL-D, TITUS TMS
B	ROUND CEILING SUPPLY AIR DIFFUSER OMNI-DIRECTIONAL (MODULE) SIZE AS SHOWN) TITUS THRA. ANEMOSTAT
C	12" X 12" DIFFUSER or WALL GRILL
D	12" X 6" DIFFUSER

MANUFACTURERS LISTED ARE FOR DESIGN PURPOSES ONLY. OTHER MANUFACTURERS MAY BE USED INWHAN APPROVED BY A/E. NOTE: NOISE CRITERIA FOR EACH REGISTER, GRILL & DIFFUSER SHALL NOT EXCEED NC-30.

ELECTRIC FURNACE SPLIT SYSTEM UNIT SCHEDULE										
MARK	MODEL #	BLOWER DATA			COOLING DATA		HEATING	ELECT. DATA		EFFICIENCY
		TOTAL CFM	MIN. OA CFM	EXT. SP	HP	TOTAL CAPACITY BTU/HR	TONS	TOTAL CAPACITY (BTU/H)	MOP	
INDOOR UNIT	AHU-12	RUI24 - 230v-ph RHEEM/RUUD	814	105	0.1	3/4		24,000	40	35
EXTERIOR UNIT	A/C-12	RA24-230v-ph RHEEM/RUUD			1/5	24,000	2.0		25	15.0
INDOOR MINI-SPLIT	MS-W-1	B-VFH24A-1 COMFORT AIRE	383	50	0.1	15W		13,100	20	30
EXTERIOR MINI-SPLIT	MX/AC-1	A-VFH24TAA COMFORT AIRE				11,900	1.0			

- NOTE: ALL UNITS DESIGN BASED ON RUUD/RHEEM PRODUCTS UNIT, CARRIER, ETC MAY BE USED
- PROVIDE & INSTALL FILTER RACK AND FILTERS.
 - NOT USED.
 - PROVIDE OUTSIDE AIR PER COMPLIANCE NOTE BELOW.
 - PROVIDE SMOKE DETECTORS TO SHUT DOWN THE FANS IN THE EVENT OF SMOKE AND FIRE WHERE REQUIRED.
 - PROVIDE PROGRAMMABLE THERMOSTAT
 - UNITS ABOVE BASED ON RUUD UNITS. EQUIVALENT UNITS BY CARRIER, BRYANT OR YORK ARE ACCEPTABLE.
 - UNITS ABOVE SHALL ALSO RECEIVE DEHUMIDIFIER UNIT.

- SEE OUTSIDE AIR CALCULATIONS - THIS SHEET
- SET ECONOMIZER TO FULL OPEN - MAX O.A.

OUTSIDE AIR COMPLIANCE NOTE:
1: THE DESIGNER HAS REVIEWED IMC SECTION 403 TABLE 403.3 AND IS PROVIDING OUTSIDE AIR IN ACCORDANCE WITH THE FOLLOWING FORMULA:

$$V_{\text{OA}} = R_1 P_1 + R_2 A_2$$

AHU 1 (BEDROOM - LIVING AREAS)

Occupant Density = 15 CFM PER PERSON
= 6 P @ 15 = 90 CFM
= 4 BEDROOMS X 15 CFM = 30 CFM
Total O.A. = 105 cfm

Project Name

Construction Document for
Banks County Fire Station
Fire Station 33
Banks County, Georgia

Seal

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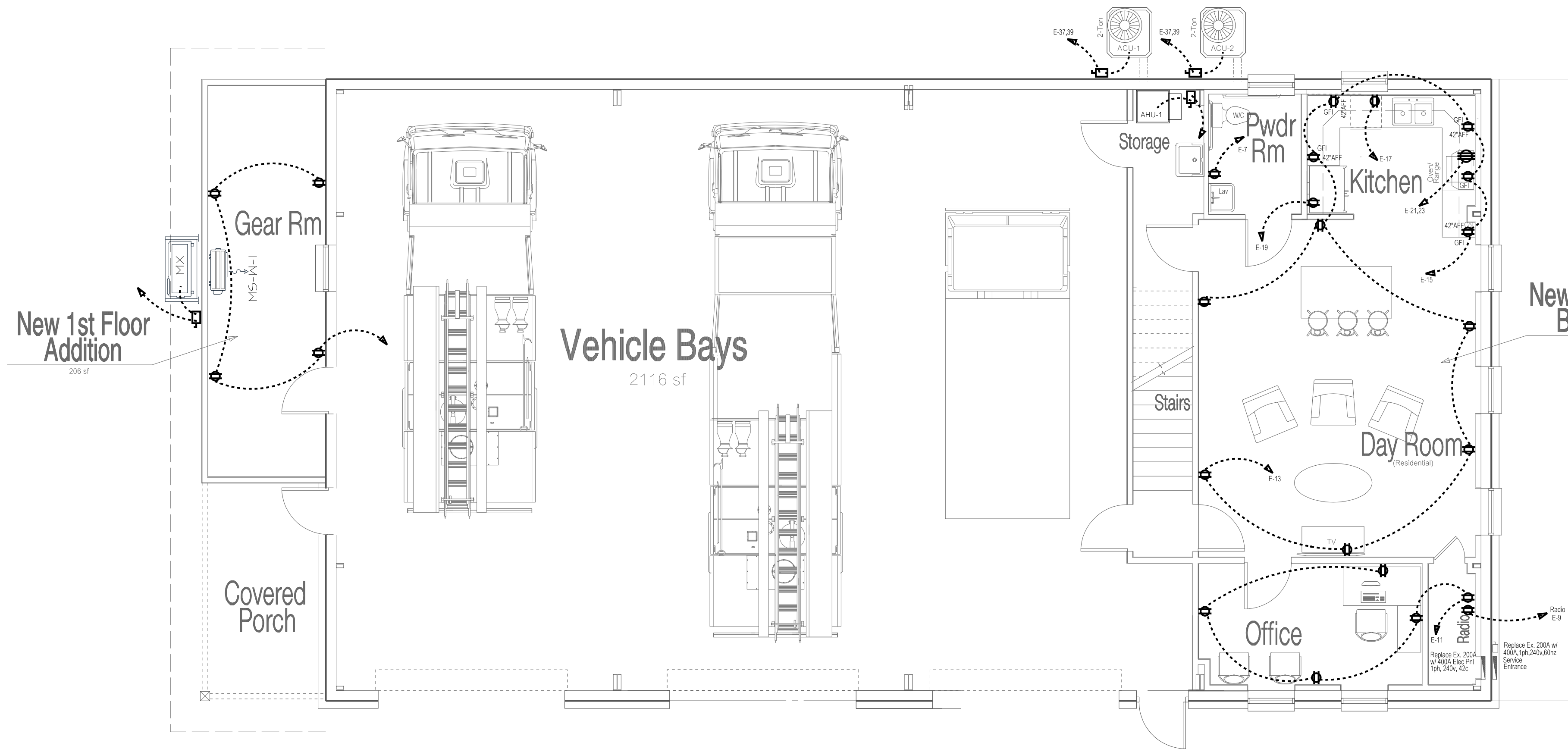
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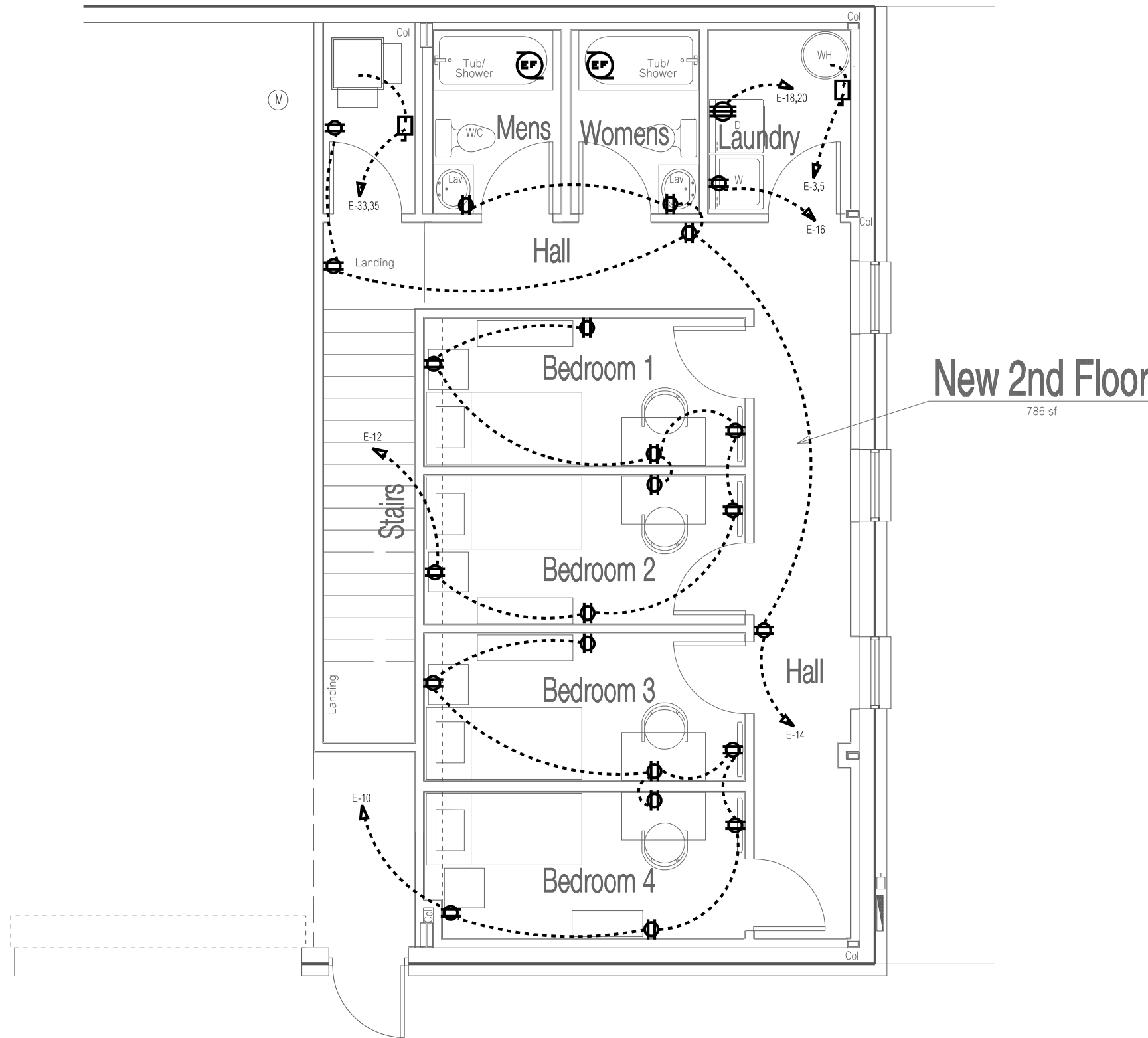
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M100

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Electrical - Main Floor Power Plan



Electrical - Mezzanine Level Power Plan

Electrical Symbols

New LED LIGHT FIXTURE, 2x2 LAY-IN OR RECESSED MOUNTED, MULTILIGHT BANK, SLASH INDICATES NIGHT LIGHT OR 24HR LIGHT

NEW HIGH BAY LED (WAREHOUSE AREA) LIGHT

NEW LED CEILING FIXTURE, SURFACE OR PENDENT MOUNTED

NEW LED LIGHT FIXTURE, WALL MOUNTED

NEW LED LIGHT FIXTURE, RECESSED MNTD.

EMERGENCY LIGHT, THIN FLOOD WITH INTEGRAL BATTERY AND CHARGER (90 MINUTE)

EMERGENCY EXIT LIGHT WITH 40 MINUTE INTEGRAL BATTERY AND CHARGER

JUNCTION BOX

DUPLEX RECEPTACLE, 20A, 120V

QUAD RECEPTACLE, 20A, 120V

LED WALL PACK LIGHT

3 WIRE POWER RECEPTACLE, 30A, 208v

TELEPHONE/DATA/TV OUTLET(MNT, 54" AFF) w/ (U) 22-8 CABLE TO TEB (VERIFY TYPE SERVICE w/ OWNER)

TELEPHONE/DATA/TV OUTLET(MNT, 48" AFF) w/ (U) 22-8 CABLE TO TEB (VERIFY TYPE SERVICE w/ OWNER)

WALL OR SOFFIT MNTD EXTERIOR FLOOD LIGHT, LED TYPE

TWO WAY TOGGLE SWITCH, 20A (1-11mer)

THREE WAY TOGGLE SWITCH, 20A

INDICATES SWITCH WITH OCCUPANCY SENSOR

SMOKE DETECTOR, IONIZATION TYPE UNLESS OTHERWISE SPECIFIED, WIRED TO ROOM CIRCUIT, w/ BATTERY BACKUP. SEE FIRE ALARM DWS FOR EXACT LOCATION. "J" NEXT TO SYMBOL INDICATES JUNCTION BOX ABOVE

HEAT DETECTOR, SEE FIRE ALARM DRAWINGS

CEILING OR WALL EXHAUST FAN, SEE MECHANICAL EQUIPMENT SCHEDULE FOR SPECIFICATIONS.

CEILING OR WALL AIR SUPPLY FAN, SEE MECHANICAL EQUIPMENT SCHEDULE FOR SPECIFICATIONS.

CONDUIT AND JUNCTION BOX, SLASHES INDICATE NUMBER OF INDIVIDUAL CONDUCTORS IN CONDUIT, SOLID ARCS BETWEEN DEVICES INDICATES CONDUIT RUN.

INDICATES WEATHERPROOF DEVICE SUCH AS AN OUTDOOR RECEPTACLE.

INDICATES A DEVICE WITH GROUND FAULT INTERRUPTING CAPACITY.

FUSED/NON-FUSED SAFETY SWITCH, SEE SPECIFICATION ON PRINT FOR AMPERE RATING, NUMBER OF POLES AND NEMA TYPE ENCLOSURE

CEILING FAN w/ LED LIGHT KIT, "J" NEXT TO SYMBOL INDICATES JUNCTION BOX w/ EXTENDERS ABOVE

TELEPHONE BACK BOARD

INDICATES SWITCH BANK LOCATION

DISTRIBUTION PANEL (ELECTRICAL)

INDICATES AN EXISTING FIXTURE/COMPONENT TO BE REMOVED OR RELOCATED

INDICATES A FIXTURE/COMPONENT TO BE RELOCATED AN OUTDOOR RECEPTACLE.

INDICATES A FIXTURE/COMPONENT TO BE REMOVED AN OUTDOOR RECEPTACLE.

DASHED/LIGHTER ITEMS ARE REMOVED OR RELOCATED
DARKER/HEAVIER ITEMS ARE NEW OR RELOCATED

* = VERIFY MOCP WITH MANUFACTURER OR EQUIPMENT PLATE
F.V. = FIELD VERIFY ALL EXISTING COMPONENTS AND EQUIPMENT REQUIREMENTS

Electrical Notes

1. REUSE EXISTING CIRCUITS AS PRACTICAL. NEW LIGHT SWITCHES SHALL BE MOTION SENSOR AND SWITCH OPERATED w/ 30 MINUTE DELAY.

2. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL ELECTRICAL RELATED ITEMS AND TO MAKE SURE HIS WORK MEETS ALL CODES.

3. ELECTRICAL CONTRACTOR SHALL FURNISH, LABOR, SUPPLIES, MATERIALS, PERMITS, CERTIFICATE OF FINAL INSPECTION AND APPROVAL, ONE YEAR GUARANTEE, ENGINEER TO REVIEW AND STAMP DRAWINGS, AND ELECTRICAL DIST. LAYOUT (THIS INFORMATION TO BE PROVIDED TO GENERAL CONTRACTOR FOR REVIEW AND IN A FORMAT THAT CAN BE PLACED ON ELECTRICAL DRAWING.

4. ELECTRICAL CONTRACTOR SHALL PERFORM, INSTALLATION OF ALL ELECTRICAL EQUIPMENT AND TO COORDINATE WITH OTHER TRADES THE INSTALLATION OF SAID EQUIPMENT, MATERIAL PROTECTION THROUGH ALL PHASES OF CONSTRUCTION, TO TEST ENTIRE SYSTEM IN THE PRESENCE OF THE OWNER OR HIGHER REPRESENTATIVE, COORDINATE WITH SIGN INSTALLER, COORDINATION OF TELEPHONE SERVICE WITH LOCAL TELEPHONE COMPANY.

5. GOVERNING CODES: SEE COVER SHEET FOR ELECTRICAL CODES, NATIONAL ELECTRICAL CODES, UTILITY COMPANY REGULATIONS.

6. MATERIAL STANDARDS: ONLY NEW U.L. LISTED MATERIAL IS TO BE USED.

7. OUTLET BOXES: ATTACH SECURELY TO BUILDING CONSTRUCTION OF SUPPORT FROM SAME, MASONRY BOXES RACO OR STEEL CITY, EXPOSED BOXES CAST TYPE SIMLAR TO CROUSE HND5 P5, ALL OTHERS STAMPED STEEL.

8. ELECTRICAL SERVICE: EXISTING.

9. NOT USED

10. MAINTENANCE MANUALS: PROVIDE OWNERS MANUALS FOR ALL INSTALLED USER SERVICEABLE EQUIPMENT.

11. HVAC CONDUIT SYSTEM: PROVIDE JUNCTION BOXES FOR THERMOSTATS WITH CONDUIT SYSTEM FROM BOXES TO MECHANICAL UNITS. PROVIDE CONDUIT SYSTEMS FOR ALL OTHER WIRING. COORDINATE JUNCTION BOX LOCATIONS AND CONDUIT ROUTING WITH MECHANICAL CONTRACTOR.

12. CONDUCTORS SHALL BE COPPER THIN OR THIN, UNLESS NOTED OTHERWISE.
13. RACEWAYS BELOW GRADE SHALL BE SCHEDULE 40 PVC. RACEWAYS ABOVE GRADE SHALL BE RIGID EMT WITH STEEL COMPRESSION OR SET SCREW FITTINGS.

14. EQUIPMENT CONNECTIONS SHALL BE MADE WITH A SHORT SECTION OF FLEXIBLE CONDUIT (SALTINE IN EXTERIOR LOCATIONS) USING COMPATIBLE FITTINGS.

15. PROVIDE GROUND CONDUCTORS AS NOTED, AND IN ALL PVC AND FLEXIBLE CONDUITS.

16. DEVICES SHALL BE SPECIFICATION GRADE WITH COLOR AS SELECTED. DEVICE PLATES SHALL BE SMOOTH PLASTIC.

17. INDOOR DISCONNECT SWITCHES ARE GENERAL DUTY NOMA 1 OUTDOOR DISCONNECT SWITCHES ARE HEAVY DUTY NOMA 3R

18. PANEL BOARDS ARE EXISTING - (2) 225 AMP, 3PH

19. INSTALL A TYPEWRITTEN CONDUIT DIRECTORY ON PANELBOARD COVER INTERIOR REFLECTING AN "AS WIRED" CONDITION AFTER WIRING IS COMPLETE.

20. LIGHTING FIXTURES SHALL BE SUPPLIED COMPLETE WITH LAMPS AND ALL NECESSARY MOUNTING HARDWARE, HANGERS AND TRIM.

21. CIRCUIT BREAKER INTERRUPTING DATA IS ASSUMED. ACTUAL A.I.C. WILL FOLLOW AFTER RECEIPT OF REQUESTED AVAILABLE FAULT CURRENT FROM THE LOCAL ELECTRIC COMPANY. ELECTRICAL CONTRACTOR TO VERIFY BEFORE ORDERING EQUIPMENT.

22. ELECTRICAL CONTRACTOR TO VERIFY ALL CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT PROVIDED.

23. ALL OUTLETS AND RECEPTACLES IN ALL ONE-HOUR WALLS SHALL BE FIRE STOPPED, AND ALL CONDUIT IN SUCH WALLS SHALL BE EMT, SEAL ALL POINTS OF PENETRATION WITH 3M FIRE BARRIER CAULK OR EQUAL.
- ALL HVAC DUCT, GAS PIPE, ELECTRICAL, AND PLUMBING SHALL BE ATTACHED TO BUILDING STRUCTURE OR SUSPENDED FROM STRUCTURE WITH STEEL SUPPORT RODS.

1. GROUND FAULT PROTECTION FOR APPLIANCES SHALL BE READILY AVAILABLE

2. A RECEPTACLE IS REQUIRED WITHIN 50 FEET OF THE ELECTRICAL SERVICE.

3. ALL 125-VOLT, SINGLE PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED IN 210.8(B)(1) THROUGH (8) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL, INSTALLED IN READILY ACCESSIBLE LOCATIONS.

4. RECEPTACLES INSTALLED IN WET LOCATIONS, WASH-DOWN AREAS, ARE REQUIRED TO HAVE ENCLOSURES & COVERS THAT PROVIDE WEATHERPROOFING - EXTRA DUTY COVERS NEC 406.9

PANEL "E" (NEW TO REPLACE EXIST. 200A)				TYPE _ 400A - RECESSED			
VOLTAGE 240/120v,1ph,4W,42c, 22k AIC (F.V.)				STANDARD LUGS			
DEVICE	BRANCH CIRCUIT	NO.	RULO VOLT-AMPS		NO.	BRANCH CIRCUIT	DEVICE
			ØA	ØB			
20 1	OVERHEAD DOORS	1	1.28	0.84	2	RECEPTACLE - BAY 3	1 20
30 2	WATER HEATER	3	2.75	1.25	4	RECEPTACLE - BAY 1 & 2	1 20
20 1	RECEPTACLE - BATH	5	2.75	1.25	6	LIGHTS - BAYS	1 20
20 1	RECEPTACLE - RADIO	7	2.30	1.44	8	LIGHTS - BAYS	1 20
20 1	RECEPTACLES - OFFICE	9	2.30	1.44	10	RECEPTACLE - BEDROOMS 3 & 4	1 20
20 1	RECEPTACLES - DAYROOM	11	2.30	1.44	12	RECEPTACLE - BEDROOMS 1 & 2	1 20
20 1	RECEPTACLES - KITCHEN	13	2.30	1.44	14	RECEPTACLE - MEZZANINE HALL	1 20
20 1	RECEPTACLES - DISHWASHER	15	2.30	1.44	16	RECEPTACLE - LAUNDRY RM	1 20
20 1	RECEPTACLES - REFRIGERATOR	17	2.30	1.44	18	CLOTHES DRYER	2 40
40 2	STOVE/RANGE	19	2.75	1.25	20	RECEPTACLE - MEZZANINE BATH	1 20
	SPACE	23	2.75	1.25	22	RECEPTACLE - GEAR ROOM	1 20
20 1	LIGHTS - 1ST FLOOR	25	0.42	0.42	26	LIGHTING - MEZZANINE	1 20
20 1	LIGHTS - 1ST FLOOR	27	2.29	0.42	28	LIGHTING - MEZZANINE	1 20
20 1	DEHUMIDIFIER - AHU	29	0.38	0.40	30	MINI SPLIT, GEAR RM	2 30
40 2	AHU-1	31	4.20	1.40	32	SPACE	
	SPACE	33	4.20	1.40	34	CU-1	2 25
40 2	AHU-2	35	4.20	1.40	36	CU-2	2 25
	SPACE	37	4.20	1.40	38	SPACE	
		39	4.20	1.40	40		
		41	—	—	42		
LOCATION: NEW MECH. ROOM			29.22	35.11	64.32 kVA = 268.00 AMPS		

VERIFY MOCP WITH ALTERNATE MANUFACTURERS

= NEW OR REWORKED CIRCUIT

Project Name

Construction Document for
Banks County Fire Station
Fire Station 33
Banks County, Georgia

Seal

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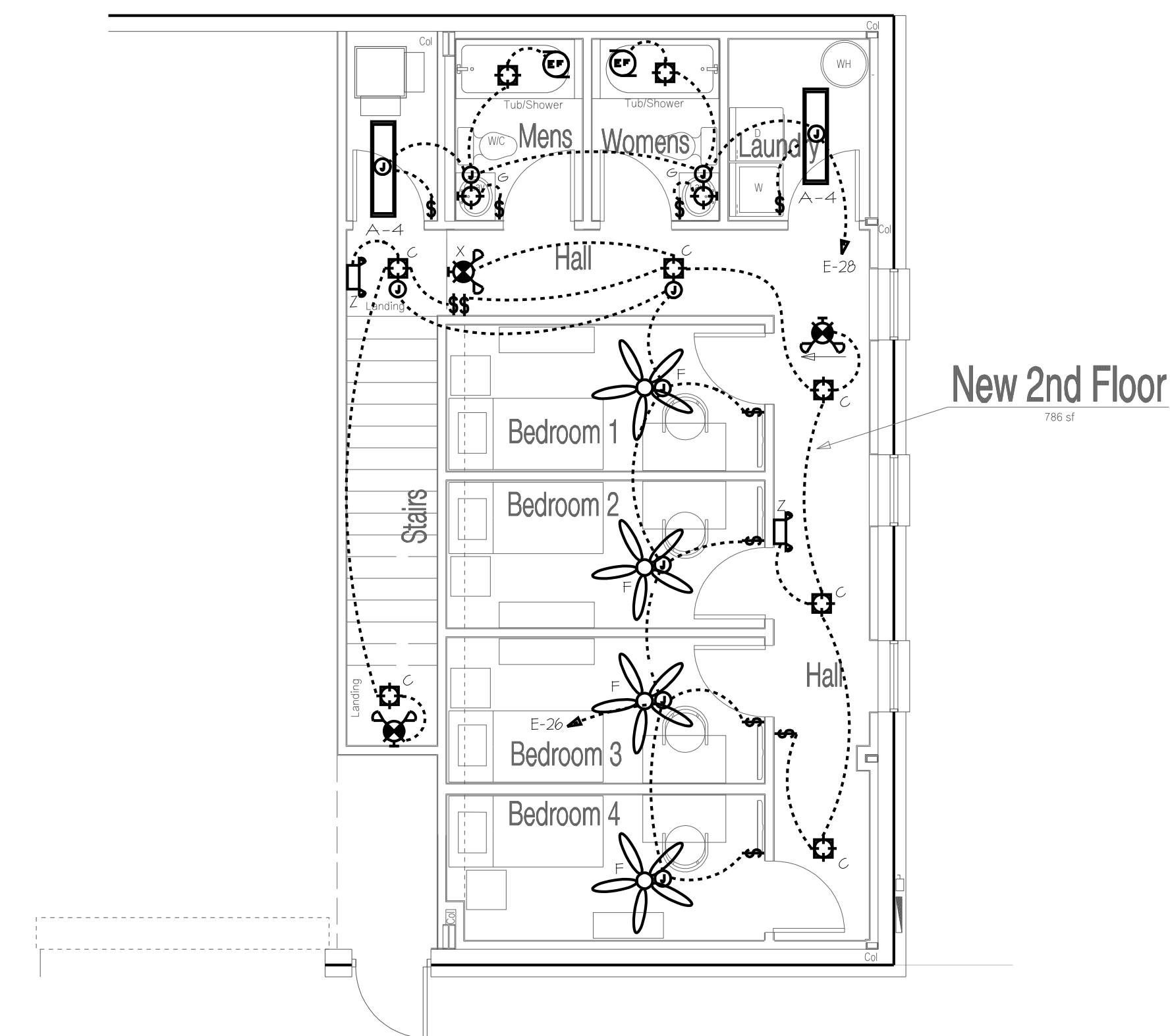
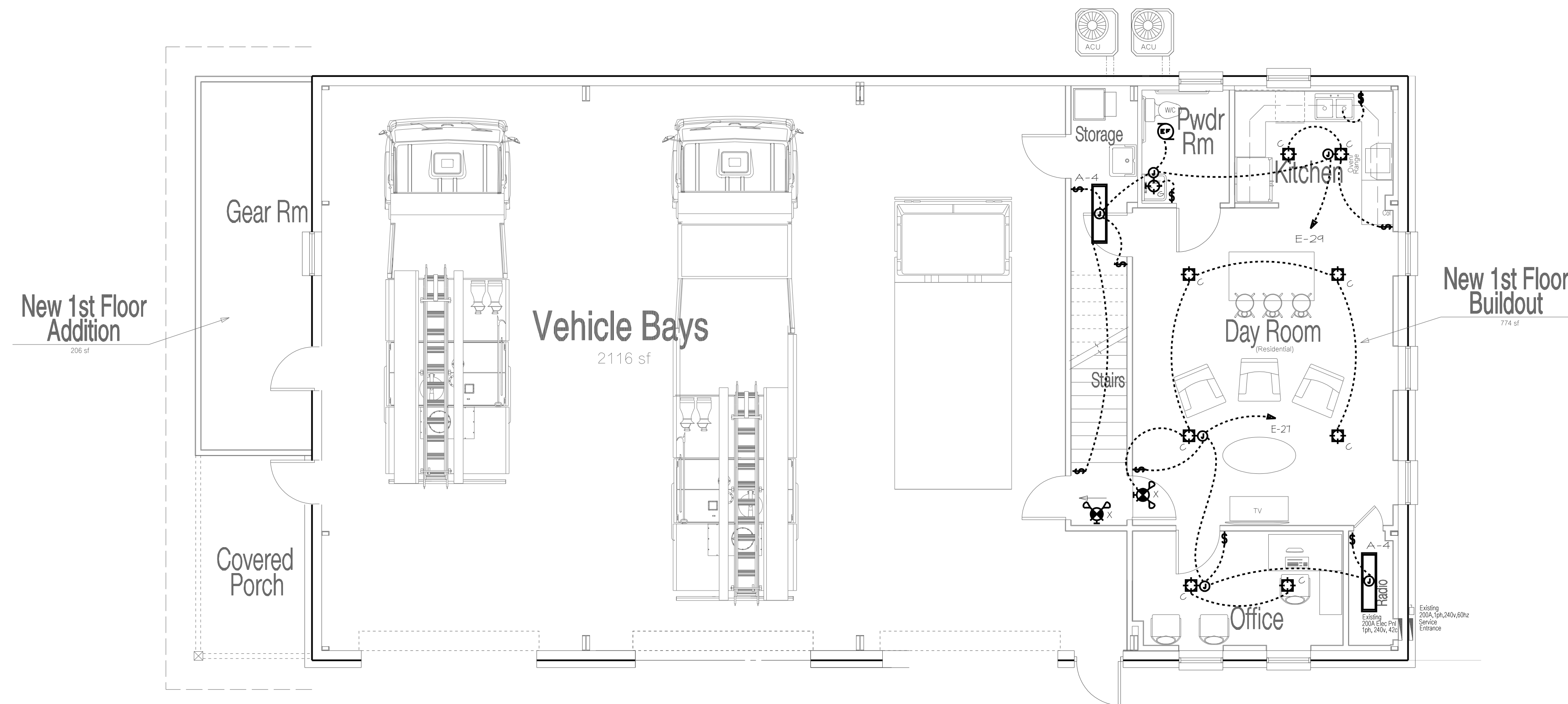
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E100

1 of 2



Electrical - Main Floor Power Plan

Scale 1/8"=1'-0"

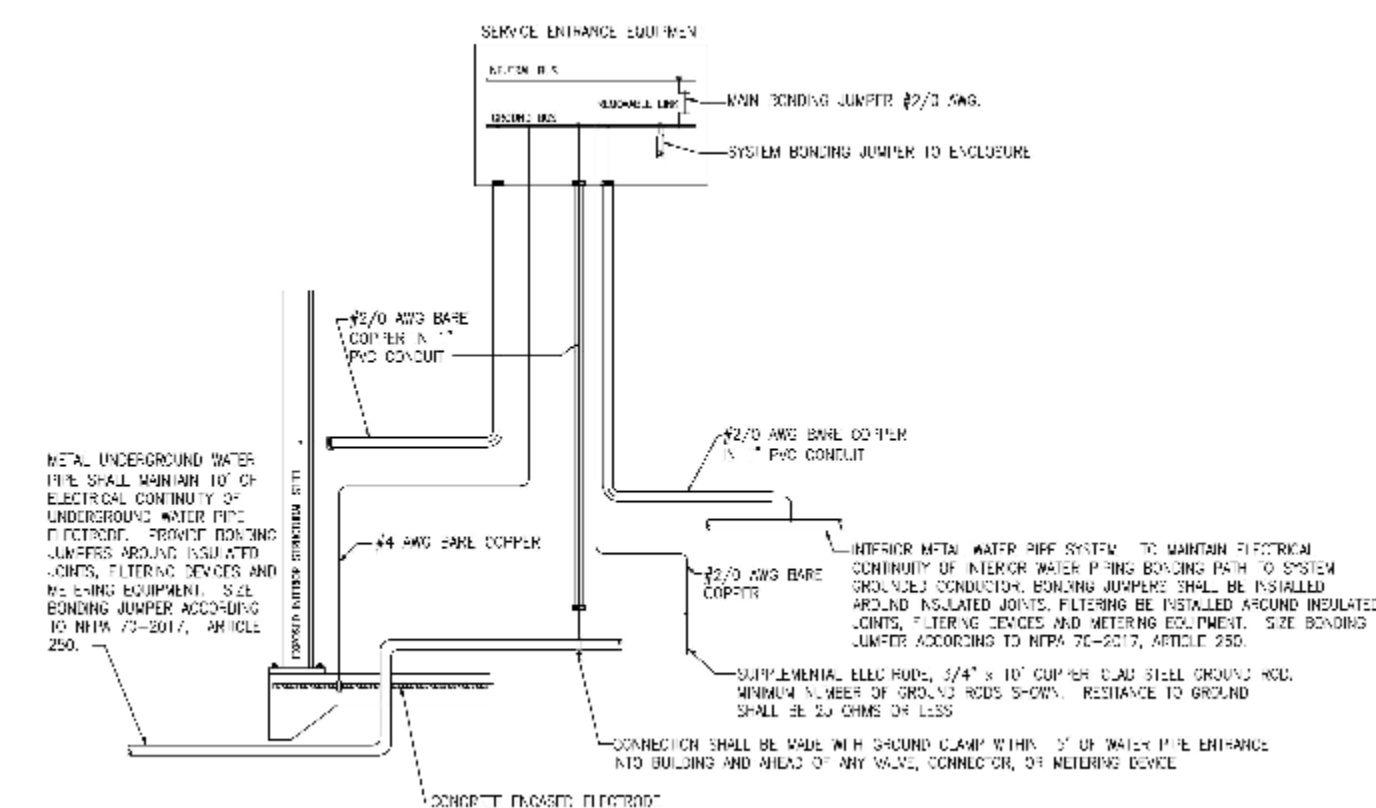
Electrical - Mezzanine Level Power Plan

Scale 1/8"=1'-0"

Electrical Symbols

	NEW LED LIGHT FIXTURE, 2x2 LAY-IN OR RECESSED MOUNTED, MULTILIGHT BANK, SLASH INDICATES NIGHT LIGHT OR 24HR LIGHT		3 WIRE POWER RECEPTACLE, 30A, 208v		#	CONDUIT AND JUNCTION BOX, SLASHES INDICATE NUMBER OF INDIVIDUAL CONDUITS IN CONDUIT, SOLID ARCS BETWEEN DEVICES INDICATES CONDUIT RUN.
	NEW HIGH BAY LED WAREHOUSE AREA LIGHT		TELEPHONE/DATA/TV OUTLET(MNT. 54" AFF) W/ (U) 22-B CABLE TO TEB (VERIFY TYPE SERVICE W/ OWNER)		NP	INDICATES WEATHERPROOF DEVICE SUCH AS AN OUTDOOR RECEPTACLE.
	NEW LED CEILING FIXTURE, SURFACE OR PENDANT MOUNTED		TELEPHONE/DATA/TV OUTLET(MNT. 18" AFF) W/ (U) 22-B CABLE TO TEB (VERIFY TYPE SERVICE W/ OWNER)		T	INDICATES A DEVICE WITH GROUND FAULT INTERRUPTING CAPACITY.
	NEW LED LIGHT FIXTURE, WALL MOUNTED		WALL OR SOFFIT MNTD EXTERIOR FLOOD LIGHT, LED TYPE		\$	
	NEW LED LIGHT FIXTURE, RECESSED MNTD.		THO WAY TOGGLE SWITCH, 20A (1-timer)		\$3	
	EMERGENCY LIGHT, TWIN FLOOD WITH INTEGRAL RATTARY AND CHARGER (90 MINUTE)		INDICATES SWITCH WITH OCCUPANCY SENSOR		T	FUSED/NO-FUSED SAFETY SWITCH. SEE SPECIFICATION ON PRINT FOR AMPERE RATINGS, NUMBER OF POLES AND NEMA TYPE ENCLOSURE
	EMERGENCY EXIT LIGHT WITH 90 MINUTE INTEGRAL BATTERY AND CHARGER		SMOKE DETECTOR, IONIZATION TYPE UNLESS OTHERWISE SPECIFIED, WIRED TO ROOM CIRCUIT, W BATTERY BACKUP. SEE FIRE ALARM DRGS FOR EXACT LOCATION "J" NEXT TO SYMBOL INDICATES JUNCTION BOX ABOVE		TEB	CEILING FAN W/ LED LIGHT KIT, "J" NEXT TO SYMBOL INDICATES JUNCTION BOX W/ EXTENDERS ABOVE
	JUNCTION BOX		HEAT DETECTOR, SEE FIRE ALARM DRAWINGS		SB	TELEPHONE BACK BOARD
	DUPLEX RECEPTACLE, 20A, 120V		CEILING OR WALL EXHAUST FAN, SEE MECHANICAL EQUIPMENT SCHEDULE FOR SPECIFICATIONS.		SB	INDICATES SWITCH BANK LOCATION
	QUAD RECEPTACLE, 20A, 120V		CEILING OR WALL AIR SUPPLY FAN, SEE MECHANICAL EQUIPMENT SCHEDULE FOR SPECIFICATIONS.			DISTRIBUTION PANEL (ELECTRICAL)
	LED WALL PACK LIGHT				Ex	INDICATES AN EXISTING FIXTURE/COMPONENT TO BE REMOVED OR RELOCATED
					REL	INDICATES A FIXTURE/COMPONENT TO BE RELOCATED AN OUTDOOR RECEPTACLE.
					REM	INDICATES A FIXTURE/COMPONENT TO BE REMOVED AN OUTDOOR RECEPTACLE.

DASHED/LIGHTER ITEMS ARE REMOVED OR RELOCATED
DARKER/HEAVIER ITEMS ARE NEW OR UPGRADED



Grounding Electrode System Diagram

SCALE = NOT TO SCALE

Luminaire (Lighting Fixture) Schedule

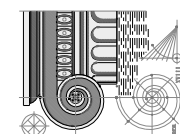
VERIFY ALL LIGHT FIXTURE SELECTIONS WITH OWNER PRIOR TO ORDERING & PLACEMENT
OF FIXTURES SHOWN BELOW ARE FOR REFERENCE ONLY

	IK4 LED TROFFER, SURFACE MOUNTED LED TROFFER, with 2x4m LED T8 (2) LAMPS, 3500K COLOR, LITHONIA LIGHTING		INTERIOR LED BATH LIGHT LIGHTED LED, 24" LONG, 3000K COLOR, IP65 METALLIC FINISH, GLOBE MOUNTED, KADEN ROSE - MODEL NO. LHM-22423566, CENTER ABOVE SINK AND MOUNT 1/2 IN.
	INTERIOR LED CEILING GLOBE LED CEILING MOUNTED, 3000K COLOR, ANTIQUE BRONZE FINISH, 20W, 1X WATTS, PROGRESS LIGHTING P2302-LED, GELING MOUNTED		LITHONIA LIGHTING, 0.1X-31-DOV - LED EXTERIOR WALL PACK WITH BRONZE FINISH, SURFACE MOUNTED, 1X LOCAL 100W ON PLANS AT 8'-0" OFF TO BOTTOM OF FIGURE 2) 23X WATTS PER FIXTURE
	COMPACT FLUORESCENT DOWNLIGHT (CAN LIGHT) MOUNTED IN ABOVE SHOWER SLAT, RECESSED MOUNTED, NOISURE RESISTANT, LITHONIA LIGHTING 1X 8WATT		LED, NON-BATTERY POWERED EMERGENCY LIGHT, WALL MTD OVER DOOR WITH ARROWS AND # OF FACES AS SHOWN. LIT LAMPS: 100/5000 K 250 R D
	INTERIOR CEILING PAN WITH LIGHT GLOBE KIT, LED PENDANT, HAMPTON BAY OR APPROVED EQUAL		TWIN HEAD, NON-BATTERY POWERED EMERGENCY LIGHT UNIT, WALL MTD 1 FT BELOW GLD. WIRED TO BUDS-BACKUP GENERATOR BACKLASH BLINDING 2000 K WATT INSL LAMPS, WITH 1X LOCAL 100W ON PLANS AT 8'-0" OFF TO BOTTOM OF FIGURE 2) 23X WATTS PER FIXTURE

NOTE: FIXTURES SHOWN FOR REFERENCE, OWNER MAY CHOOSE THEIR OWN FIXTURES, STYLE AND MANUFACTURER

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Project Name

Construction Document for
Banks County Fire Station
Fire Station 33
Banks County, Georgia

Seal

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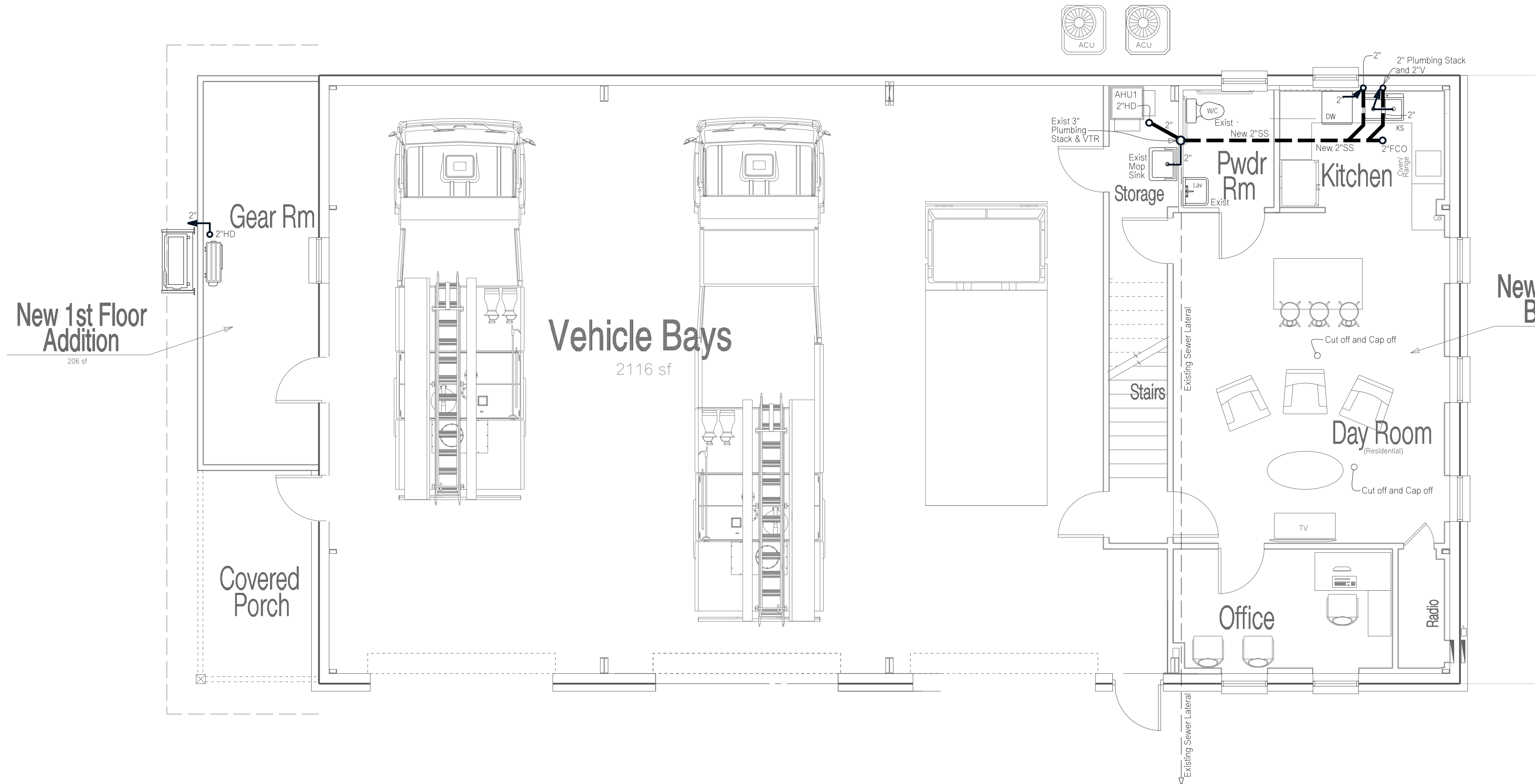
12 Aug. 2026

PRINTING DATE

SHEET NUMBER

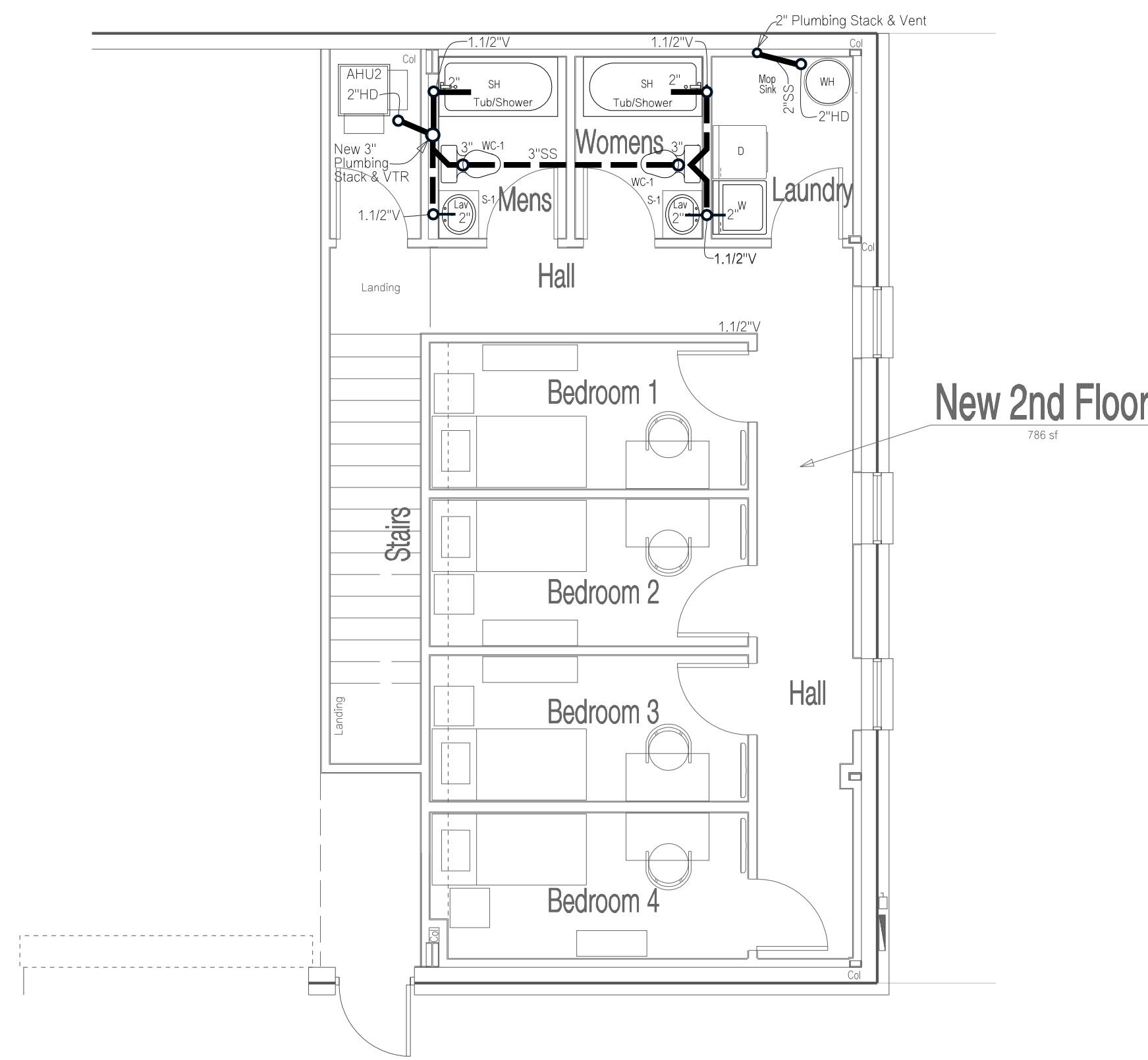
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Plumbing - Main Floor Waste Water Plan

Scale 1/8"=1'-0"



Plumbing - Mezzanine Waste Water Plan

Scale 1/8"=1'-0"

Plumbing Legend

- NEW WASTE WATER LINE W/ W/SLAB
- NEW FRESH WATER - GOLD LINE
- NEW FRESH WATER - HOT LINE
- P-TRAP
- GV - GATE OR SHUT OFF VALVE
- PRV - PRESSURE REDUCING VALVE
- GAS COCK - CUT-OFF VALVE W/ PIPE EXTENSION DEBRIS COLLECTOR AT EACH GAS TO APPLIANCE CONNECTION DOWN
- STUB UP 12" ABOVE SLAB FIN
- CLEAN OUT
- SANITARY SEWER
- GREASE LADEN SANITARY SEWER
- VENT
- VENT THRU ROOF
- UNDERGROUND
- WATER CLOSET
- URINAL
- FLOOR DRAIN
- LAVATORY/S
- FLOOR HUB DRAIN
- FLOOR SINK
- BALL VALVE

PLUMBING NOTES

- GOLD AND HOT WATER PIPING ABOVE GRADE CAN BE TYPE L HARD DRAINED COPPER TUBING CONFORMING TO ASME B36.10 OR PROPOSED. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER. COLD WATER PIPING BELOW GRADE SHALL BE TYPE K COPPER TUBING WITH CAST BRASS BOUGHT FITTINGS AND JOINTS SAME AS ABOVE GRADE. JOINTS SHALL NOT BE PERMITTED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES.
- SANITARY WASTE & VENT PIPING SHALL BE SCHEDULE 40 DNV PVC OR APPROVED EQUAL. SOLVENT JOINTS - IF ALLOWED BY LOCAL BUILDING AUTHORITY AND/OR CODE REQUIREMENTS, IF RETURN AIR PLENUMS UTILIZED - PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUMS.
- SANITARY WASTE PIPING BELOW GROUND & UNDER DRIVING SURFACES SHALL BE CAST-IRON WITH PUSH-ON JOINTS.
- GAS PIPING SHALL BE BLACK STEEL PIPE COMPLYING WITH ASME B36.10, 10M or ASTM A53 or ASTM A106. USE PIPE THREAD COMPOUND AT ALL CONNECTIONS.
- PLUMBING HUB DRAINS IN FURRINGS, UNDER BAR, AND OTHER EQUIPMENT WILL BE ACCESSIBLE, PROTECTED AND VENTILATED.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR OPERATION AND DESIGN INTENT OF ALL PLUMBING SYSTEMS. P.E. IS TO VERIFY ALL CALCULATIONS AND DESIGN OF THESE DRAWINGS BEFORE INSTALLATION.

Plumbing Fixture Schedule

UNLESS OTHERWISE INDICATED, NUMBERS ARE MANSFIELD, EQUAL PRODUCTS ARE AMERICAN STANDARD, OLSONITE, SPERZEL, DELTA, MANSFIELD, SIMMONS, BRADLEY, GERBER, CENTOCO, HALSEY TAYLOR, FIAT, STERN-WILLIAMS, ZURN, DELANY, CHURCH, BENEKE, KOHLER.

WC1 WATER CLOSET-TANK TYPE-120 GPM, HIGH EFFICIENCY (OR REUSE EXISTING) MANSFIELD MODEL NO. 150 ALTO 120 15" HIGH, ROUND FRONT, FLOOR MOUNTED GLAZED TOILET SMARTFLUSH, 12" ROUGH-IN, WHITE COLOR, WITH PRIMO TOILET SEAT 18" AFF

WC2 WATER CLOSET-TANK TYPE-120 GPM, HIGH EFFICIENCY (OR REUSE EXISTING) AMERICAN STANDARD (NON-LADA) 15" HIF - PICKED BY OWNER VITREOUS CHINA TYPE, 120 GPM, LOW FLUSH

S1 LAVATORY-DROP-IN - 0.25 GPM @ 60 PSI AMERICAN STANDARD MODEL NO. 2055.03 NEW LUCERNE VITREOUS CHINA LAVATORY DELTA NO. 552 15" CENT BRIST FAUCET WITH CHROME LEVER HANDLE, HIGHER MODEL N ASSEMBLY INCLUDES 15" X 14" X 1/2" LIP - PICKED BY OWNER HANDLE STOPS AND ESCUTCHEONS, PROVIDE SUPPORT WITH CONCEALED ARMS AND NO OF LAVATORY AT 34" ABOVE FINISHED FLOOR.

MS MOP/SERVICE SINK: 0.25 GPM @ 60 PSI SHANSTONE MOP SINK MODEL NO. MS-2424, 24" x 24" COMPOSITE SINK, SET ON FLOOR WITH CF-10000 FAUCET AND DRAIN SET TO MATCH

WH HOT WATER TANK-TYPE HEATER, RHEEM PERFORMANCE PLATINUM SERIES 30 GALLON WATER HEATER NO. W55T1C55500 80 DEF, RECOVERY 20 GPM @ 100deg RISE, 57H X 22.25" DIA 57" UP MODEL

TP TRAP PRIMER (SEE ALSO DRAINAGE PRODUCTS) TAPPED OFF OF 1/2" C/L LINE OR SINK WASTE LINE - SEE DETAIL/S - THIS SHEET

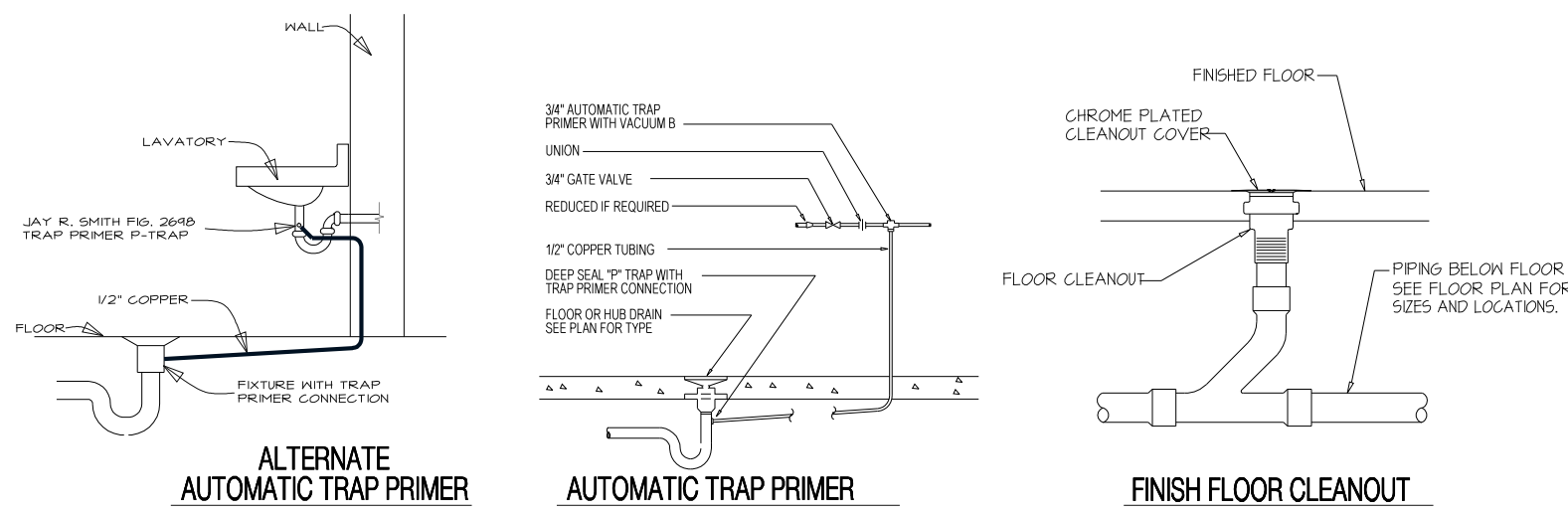
SH1 SHOWER - ADA COMPLIANT (RIGHT) - 0.25 GPM @ 60 PSI FREEDOM SHOWERS ADA COMPLIANT (RIGHT) MODEL NO. AF6233BF-FTS WITH ACCESSORIES FOLDING SHOWER SEAT, GRABBARS, SHOWER ROD, HEIGHTED CURTAIN, HAND HELD SHOWER, 4 SLIDE BARS, INSTALL PER MANUFACTURER'S RECOMMENDATIONS

KS KITCHEN SINK, (STAINLESS STEEL) EXISTING - 2 TOTAL NEW 2-BOWL KITCHEN SINK, STAINLESS STEEL, INSPECT ELEMENTS AND WASHERS AND REPLACE ANY DEFECTIVE PARTS

RM WASHING MACHINE, (NEW) WASHING MACHINE PROVIDED BY OWNER, INSTALLED BY PLUMBING SUB-CONTRACTOR PROVIDE HALL BOX FOR 1/2" C/L 1 RM AND 2" DRAIN

Plumbing Fixture Piping Schedule					
MARK	HOT WATER	COLD WATER	VENT	WASTE	REMARKS
WC1	-	1/2" x 2"	2"	3"	WATER CLOSET H/C
WC2	-	1/2" x 2"	2"	3"	WATER CLOSET
MS	1/2"	1/2"	1, 1/2"	2"	MOP SINK
S1	1/2"	1/2"	1, 1/2"	1, 1/2"	LAVATORY
TP	-	1/2"	-	-	TRAP PRIMER
WH	3/4"	-	-	3"	WATER HEATER
KS	1/2"	1/2"	-	2"	KITCHEN SINK
WM	1/2"	1/2"	-	2"	CLOTHES WASHER

* = TANK TYPE FIXTURE
SEE RISER DIAGRAM FOR ACTUAL SIZES



Misc. Plumbing Details

Scale: Not to Scale

Project Name

Seal

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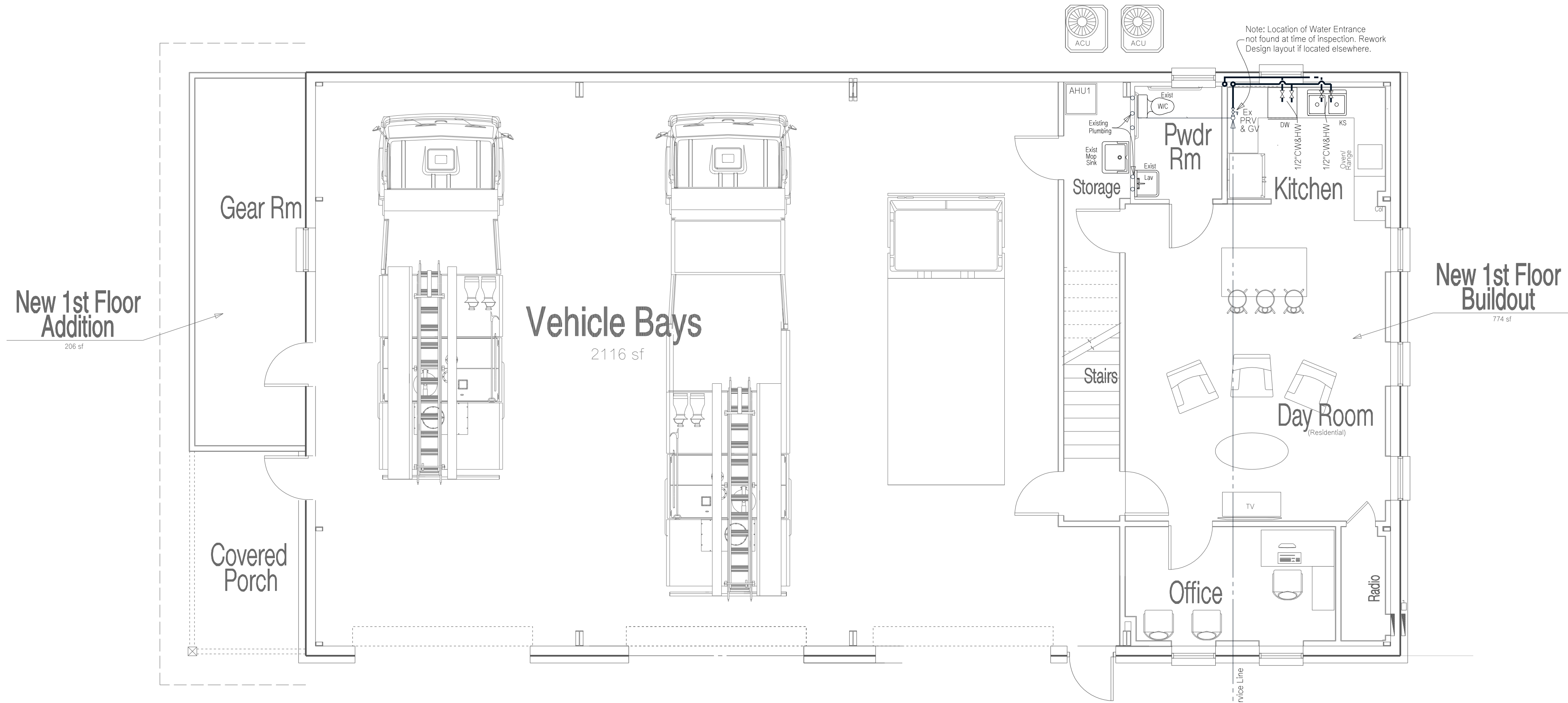
12 Aug. 2026

PRINTING DATE

SHEET NUMBER

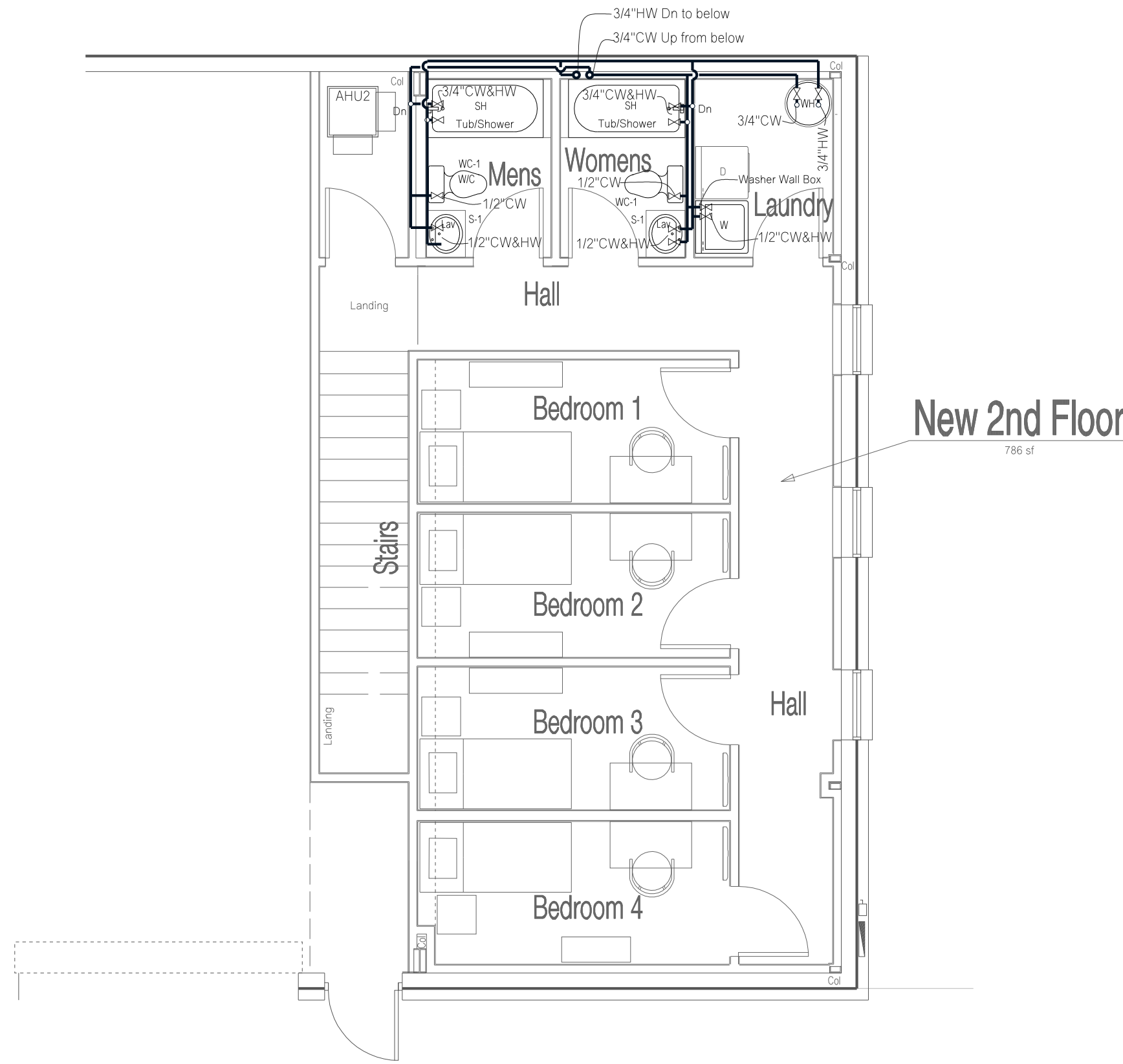
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Plumbing - Main Floor Fresh Water Plan

Scale 1/8"=1'-0"



Plumbing - 2nd Floor Fresh Water Plan

Scale 1/8"=1'-0"

Plumbing Legend

- NEW WASTE WATER LINE W/6" SLAB
- NEW FRESH WATER COLD LINE
- NEW FRESH WATER HOT LINE
- P-TRAP
- GV - GATE OR SHUT OFF VALVE
- PRV - PRESSURE REDUCING VALVE
- GS - GAS CODE - GAS OFF VALVE w/ PPE EXTENSION DEBRIS COLLECTOR AT EACH GAS TO APPLANCE CONNECTION
- 50 - 50B UP 12" ABOVE SLAB MIN
- CO - CLEAN OUT
- SS - SANITARY SINK
- SS - GREASE LADEN SANITARY SINK
- V - VENT
- VTR - VENT THRU ROOF
- UG - UNDERGROUND
- WC - WATER CLOSET
- UR - URINAL
- FD - FLOOR DRAIN
- LAV - LAVATORY
- FHD - FLOOR HUB DRAIN
- F5 - FLOOR SINK
- BV - BALL VALVE

1. COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE K HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEET'S WEIGHT FITTINGS. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER. JAL HARRIS BRASS OR EQUAL. COLD WATER PIPING BELOW GRADE SHALL BE TYPE K COPPER TUBING WITH CAST OR BRASS FITTINGS AND JOINTS SAME AS ABOVE GRADE. JOINTS SHALL NOT BE PERMITTED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES.
2. SANITARY WASTE & VENT PIPING SHALL BE SCHEDULE 40 DMV PVC OR APPROVED EQUAL SOLVENT JOINTS - IF ALLOWED BY LOCAL BUILDING AUTHORITY AND/OR CODE REQUIREMENTS. IF RETURN AIR PLENUMS UTILIZED - PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUMS.
3. SANITARY WASTE PIPING BELOW GROUND & UNDER DRIVING SURFACES SHALL BE CAST-IRON WITH PUSH-ON JOINTS.
4. GAS PIPING SHALL BE BLACK STEEL PIPE COMPLYING WITH ASME B36.10, 10M or ASTM A53 or ASTM A106. USE PIPE THREAD COMPOUND AT ALL CONNECTIONS.
5. STUDENTS MAY NOT BE USED IN LIEU OF VENT AND PIPING SHOWN.
6. ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH SELF-SEAL ARMAFLEX 2000 OR EQUAL, 1/2" WALL THICKNESS. INSULATION SHALL BE WHITE IN COLOR AND SHALL FIT SNUGLY AROUND PIPING.
7. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH LOCAL PLUMBING CODE AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
8. ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
9. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
10. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.

Plumbing Notes

1. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
2. WATER PIPING ROUTED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
3. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER START-UP.
5. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC., INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
6. ALL PLUMBING EQUIPMENT REQUIRES ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH ELECTRICAL DRAWINGS.
7. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, GP25 CAULK, CSRS COMPOSITE PANEL, FS115 WRAP/STRIP, OR F88 7400 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.

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