

# Union County Senior Center - Addition

95 Senior Center Dr.  
Blairsville, GA 30512

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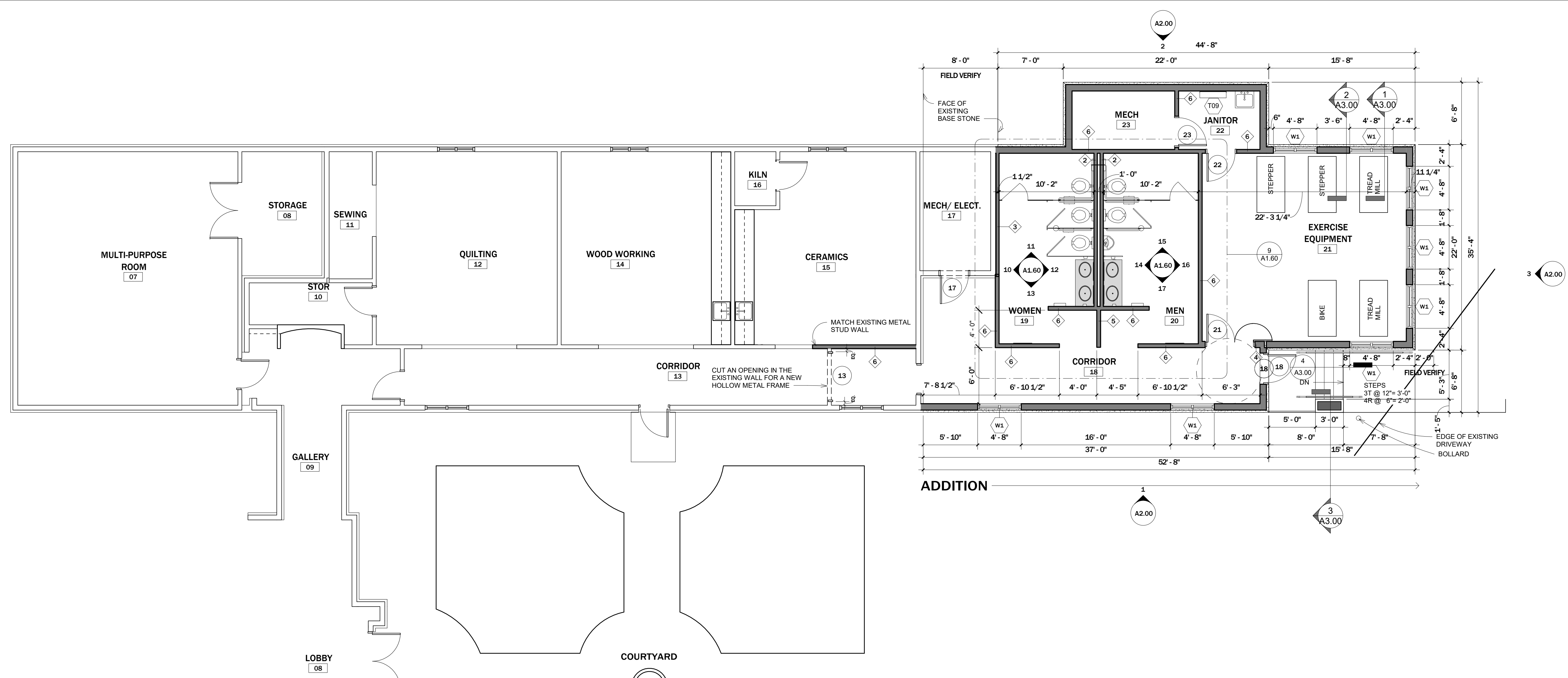
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21102

Title Sheet

G0.00



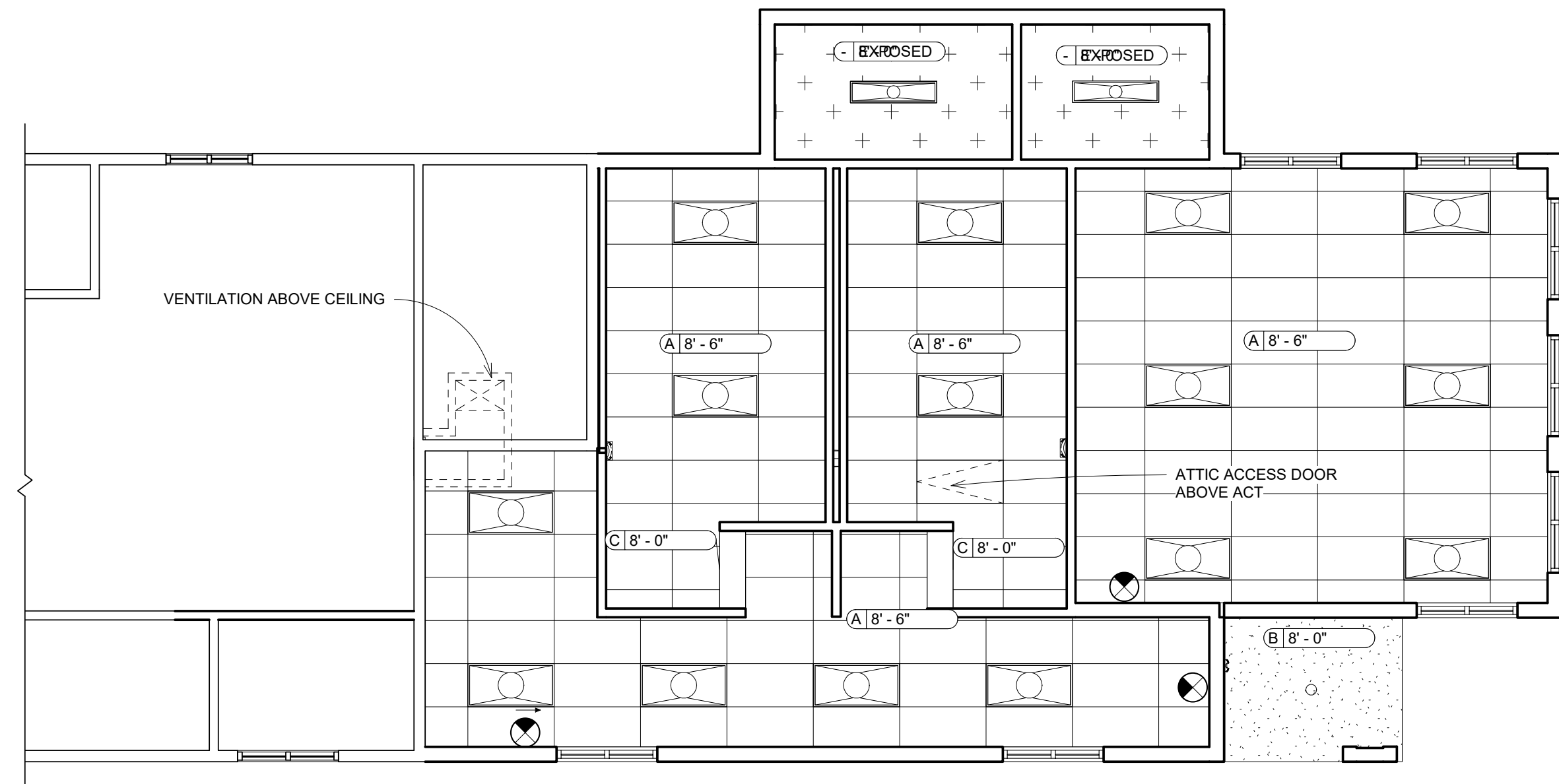
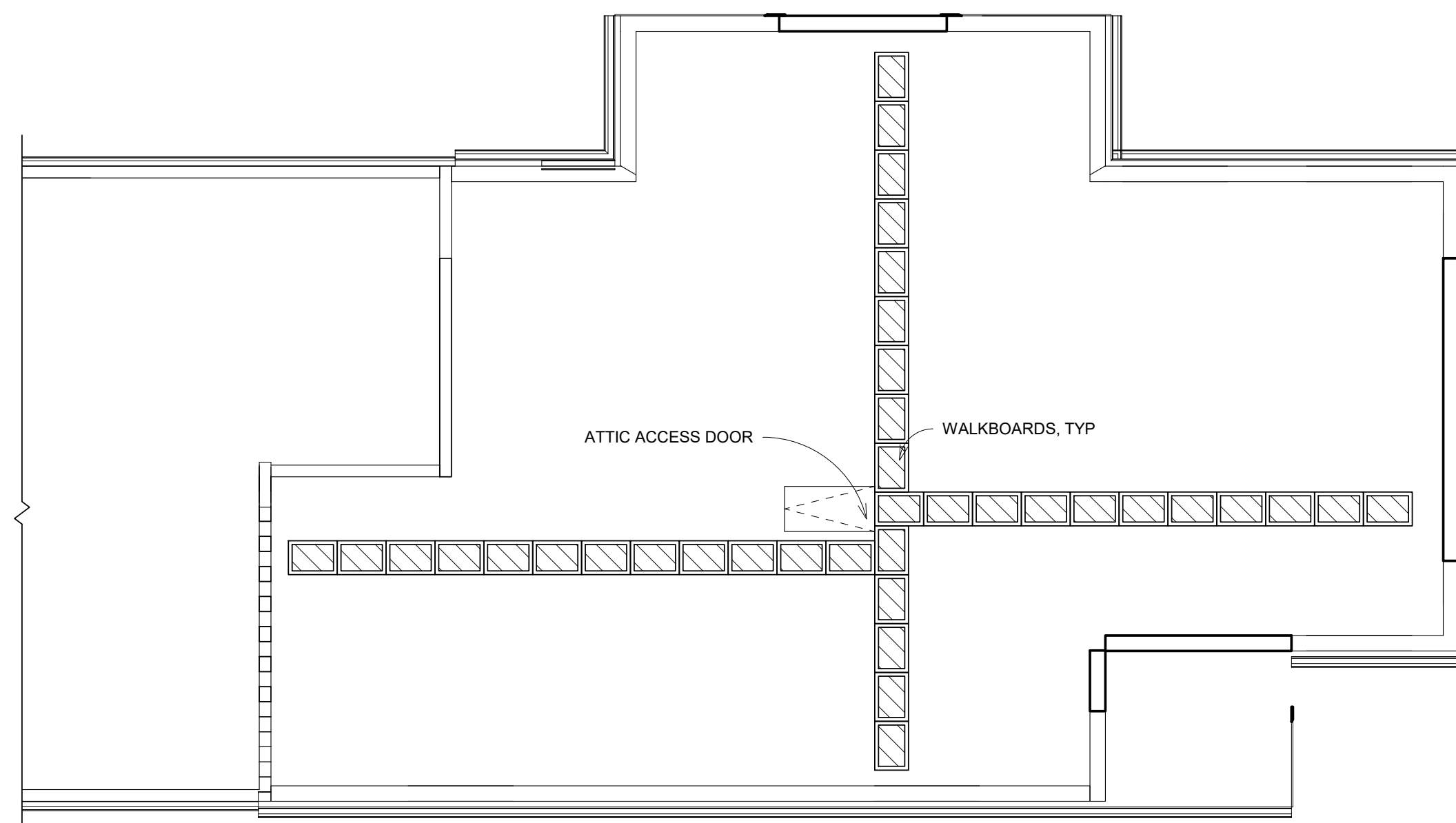
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Senior Center -  
Addition

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













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# 1 FLOOR PLAN

$$3/16" = 1'-0"$$


## RCP LEGEND

MATERIAL  13'-0"  HEIGHT, A.F.F., U.N.O.			
<b>CEILING MATERIAL LEGEND</b>		<b>LIGHT FIXTURES</b>	
. 	NO CEILING / EXPOSED STRUCTURE, PAINTED		4FT. X 1FT. LED PENDANT
A 	2FT X 4FT ACOUSTICAL CEILING TYPE ACT-1		RECESSED LED LIGHT FIXTURE
B 	EXTERIOR INSULATION FINISHING SYSTEM , EIFS		2FT. X 4FT. RECESSED LED LIGHT FIXTURE
C 	GYPSUM BOARD CEILING		WALL MOUNTED LED LIGHT FIXTURE
			EMERGENCY LIGHT FIXTURE
			EXTERIOR WALL MOUNTED LIGHT FIXTURE
			SINGLE FACE EXIT SIGN WITH ARROW
			SINGLE FACE EXIT SIGN

NOTES:  
1. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE

## 2 Attic Walkboards

$$3/16'' = 1'-0''$$

## REFLECTED CEILING PLAN

$$3/16'' = 1'-0''$$

A1.10

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- Floor Plan

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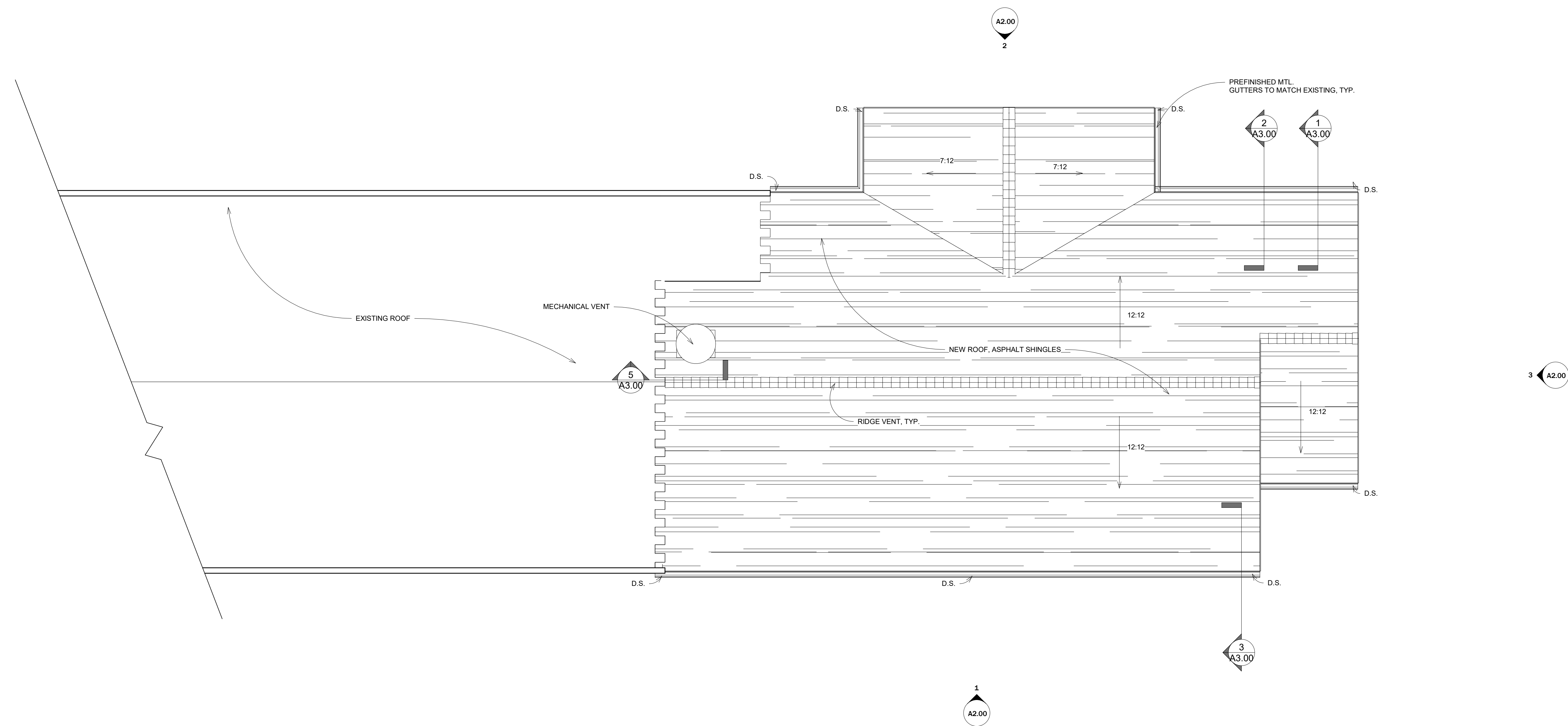
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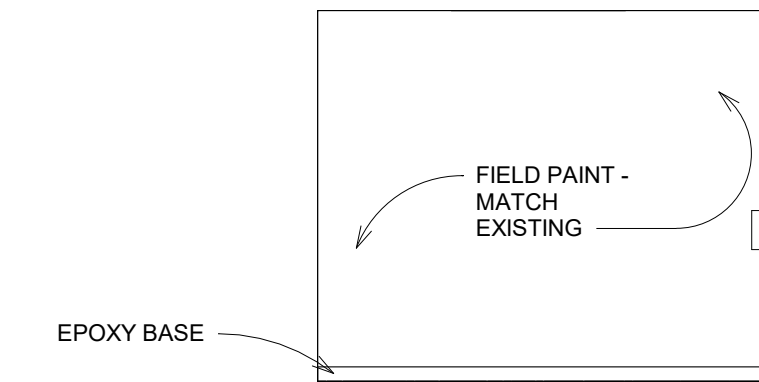
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Roof Plan

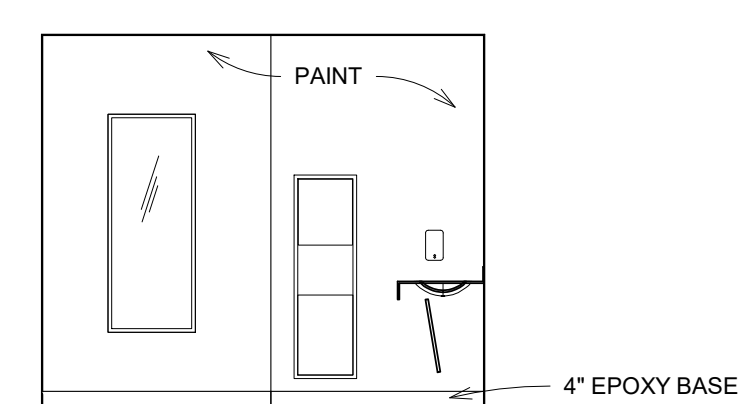
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1/4" = 1'-0"
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$$1/4" = 1'-0"$$

TOILET ACCESSORY SCHEDULE	
MARK	DESCRIPTION
T01	GRAB BAR - 36" X 54" CORNER
T02	GRAB BAR - 42"
T03	SEAT COVER DISPENSER
T04	MOUNTED TOILET TISSUE DISPENSER - (OWNER PROVIDED)
T05	SOAP DISPENSER (OWNER PROVIDED)
T06	FRAMED MIRROR- 24" X 36"
T07	FRAMED MIRROR- 24" X 60"
T08	COMBINATION PAPER TOWEL DISPENSER & WASTE - LARGE
T09	MOP RACK

NOTE: MATCH EXISTING TOILET ACCESSORIES.

A1.60

N.T.S.

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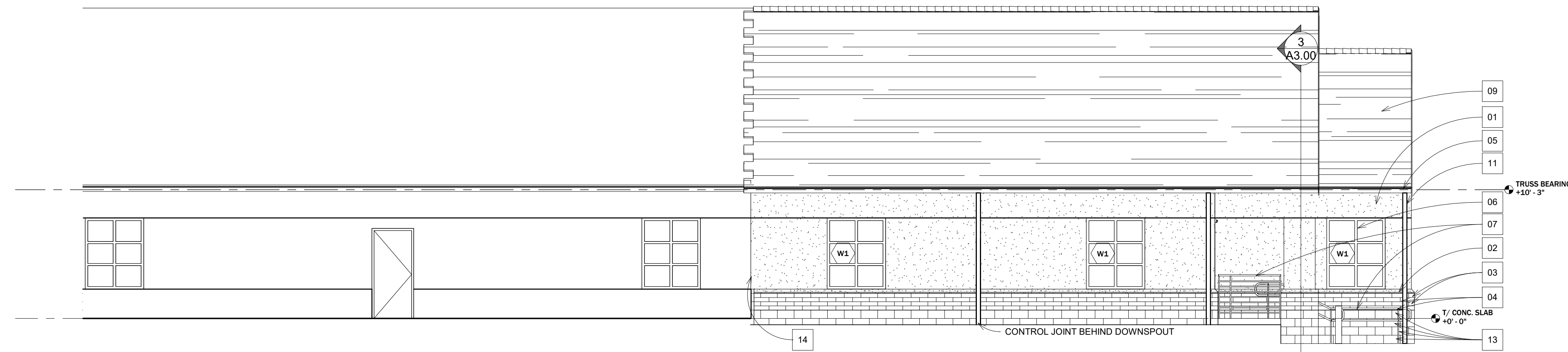
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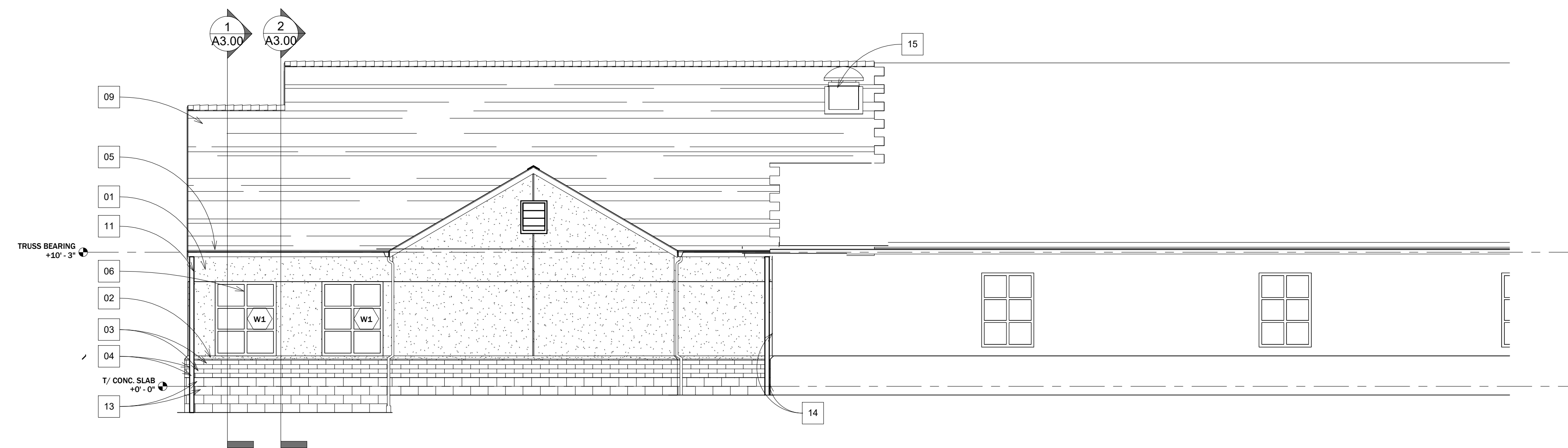
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- Exterior Elevations

A2.00



1	North Elevation
---	-----------------

$$3/16'' = 1'-0''$$


2	South Elevation
---	-----------------

$$3/16'' = 1'-0''$$


3	West Elevation
---	----------------

$$3/16'' = 1'-0''$$

**REFERENCE KEYNOTES**  
(REFERENCE THIS SHEET ONLY)

01 EIFS  
02 SMOOTH, SOLID MASONRY SILL  
03 4" SPLIT-FACE CMU  
04 4" SMOOTH FACE CMU  
05 GUTTERS TO MATCH EXISTING  
06 ANODIZED ALUMINUM STOREFRONT W/ 1"INSUL. GLAZING  
07 GUARDRAIL & HANDRAIL  
08 PIER  
09 ASPHALT SHINGLES  
10 SCHEDULED H.M. DOOR AND FRAME PAINTED  
11 DOWNSPOUTS TO MATCH EXISTING  
12 LOUVER TO MATCH EXISTING  
13 8" SPLIT-FACE CMU  
14 BACKER ROD & SEALANT, TYP.  
15 MECHANICAL VENT



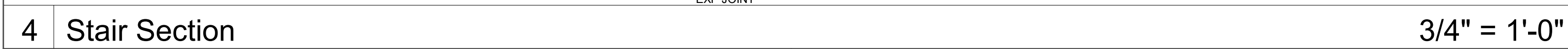
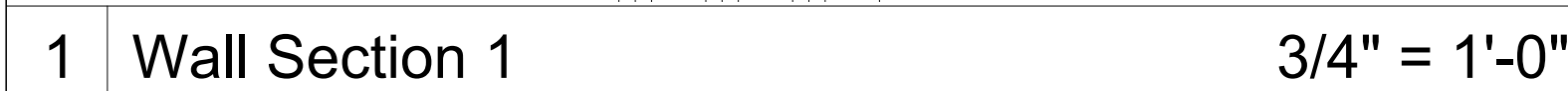
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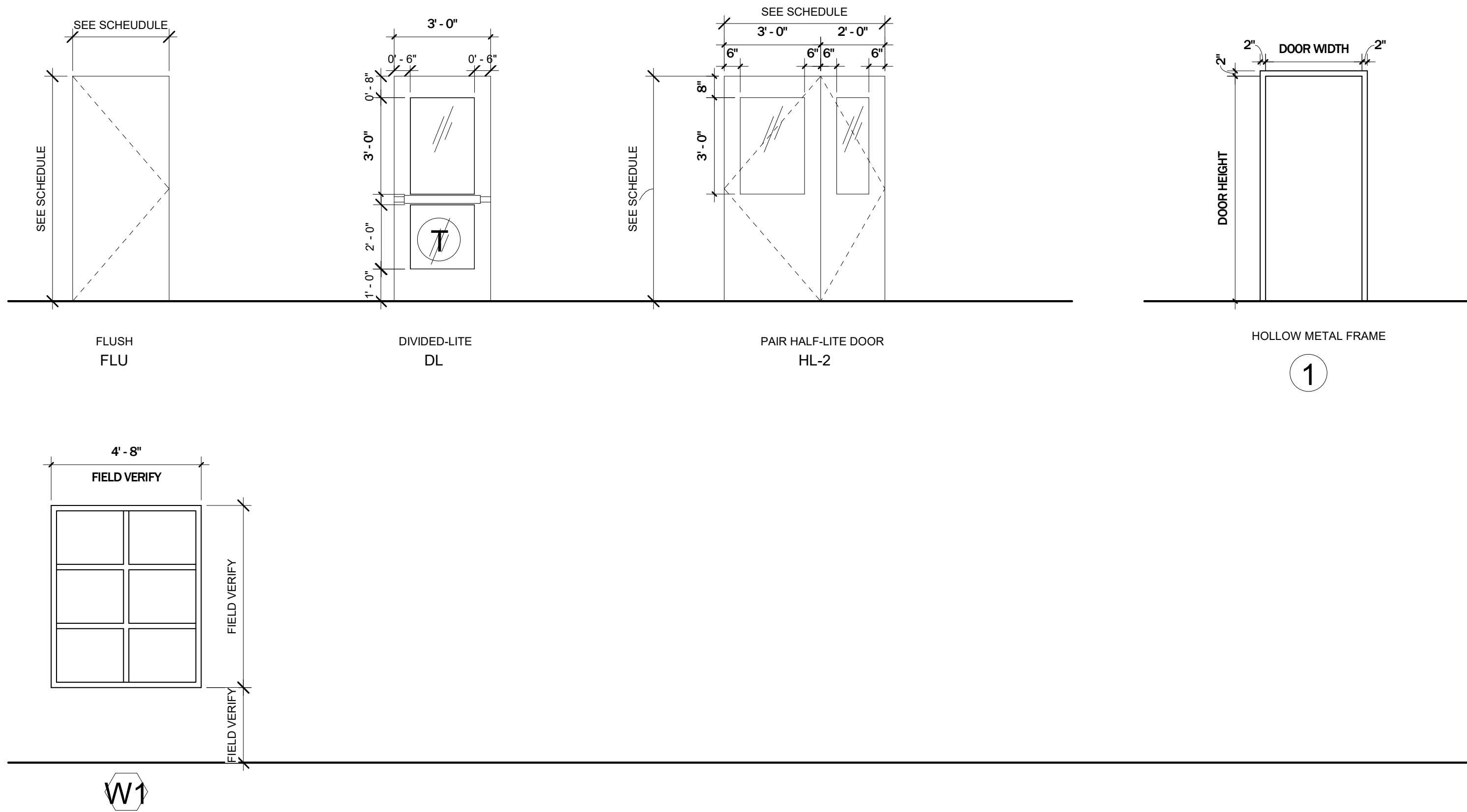
Wall Sections

A3.00

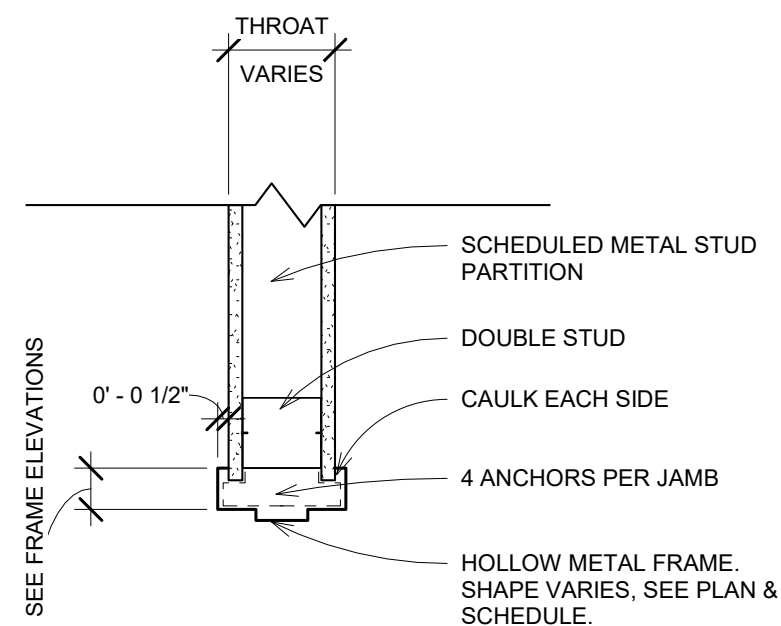
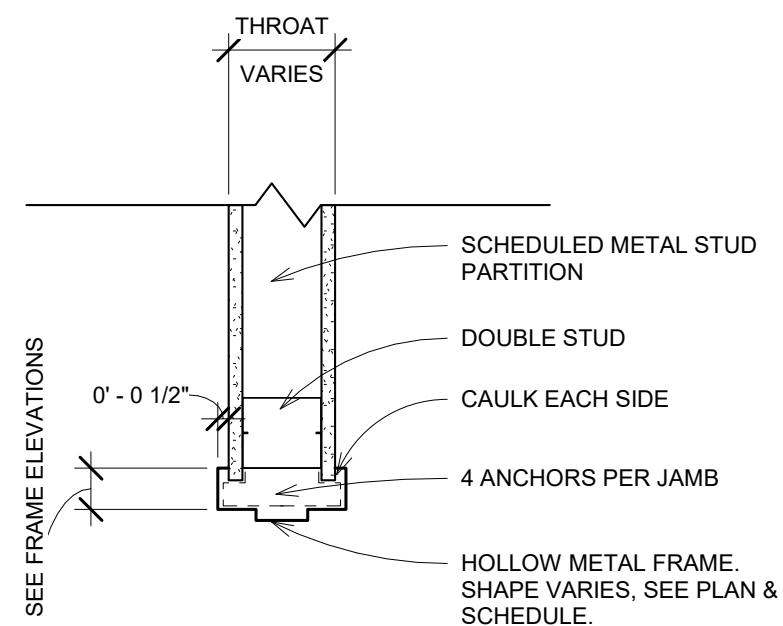


MARK.	PR	DOOR			Material/ Construction	Finish	Elevation/ Glazing	FRAME			Fire Rating	DETAILS			NOTES
		W	H	T				Material/ Construction	Finish	Elevation		HEAD	JAMB	SILL	
13		5' - 0"	7' - 0"	0' - 1 3/4"	--	--	--	HM	PNT	1	--	2200H	2200J	--	--
17		3' - 0"	7' - 0"	0' - 1 3/4"	WD	STAIN	FLU	HM	PNT	--	--	--	--	--	Remove existing HM door. Provide new hinges, a latch, and a lock.
18		3' - 0"	7' - 0"	0' - 1 3/4"	HM	PNT	DL	HM	HM	1					Provide closer, panic hardware, and lock.
21		5' - 0"	7' - 0"	0' - 1 3/4"	WD	STAIN	HL-2	HM	PNT	1		2200H	2200J		Provide a top latch bolt on the 2' wide leaf. The 3' door should latch to the 2' door. Provide lock.
22		3' - 0"	7' - 0"	0' - 1 3/4"	WD	STAIN	FLU	HM	PNT	1	--	2200H	2200J		Provide lock.
23		3' - 0"	7' - 0"	0' - 1 3/4"	WD	STAIN	FLU	HM	PNT	1	--	2200H	2200J		Match existing hardware.

NOTE: MATCH EXISTING HARDWARE.



NOTE: PROVIDE ANCHORS AT HEAD @ 2' O.C. MIN. WHEN FRAME IS WIDER THAN 5'-0"



2200H HEAD DETAIL 1 1/2" = 1'-0" 2200J JAMB DETAIL 1 1/2" = 1'-0"

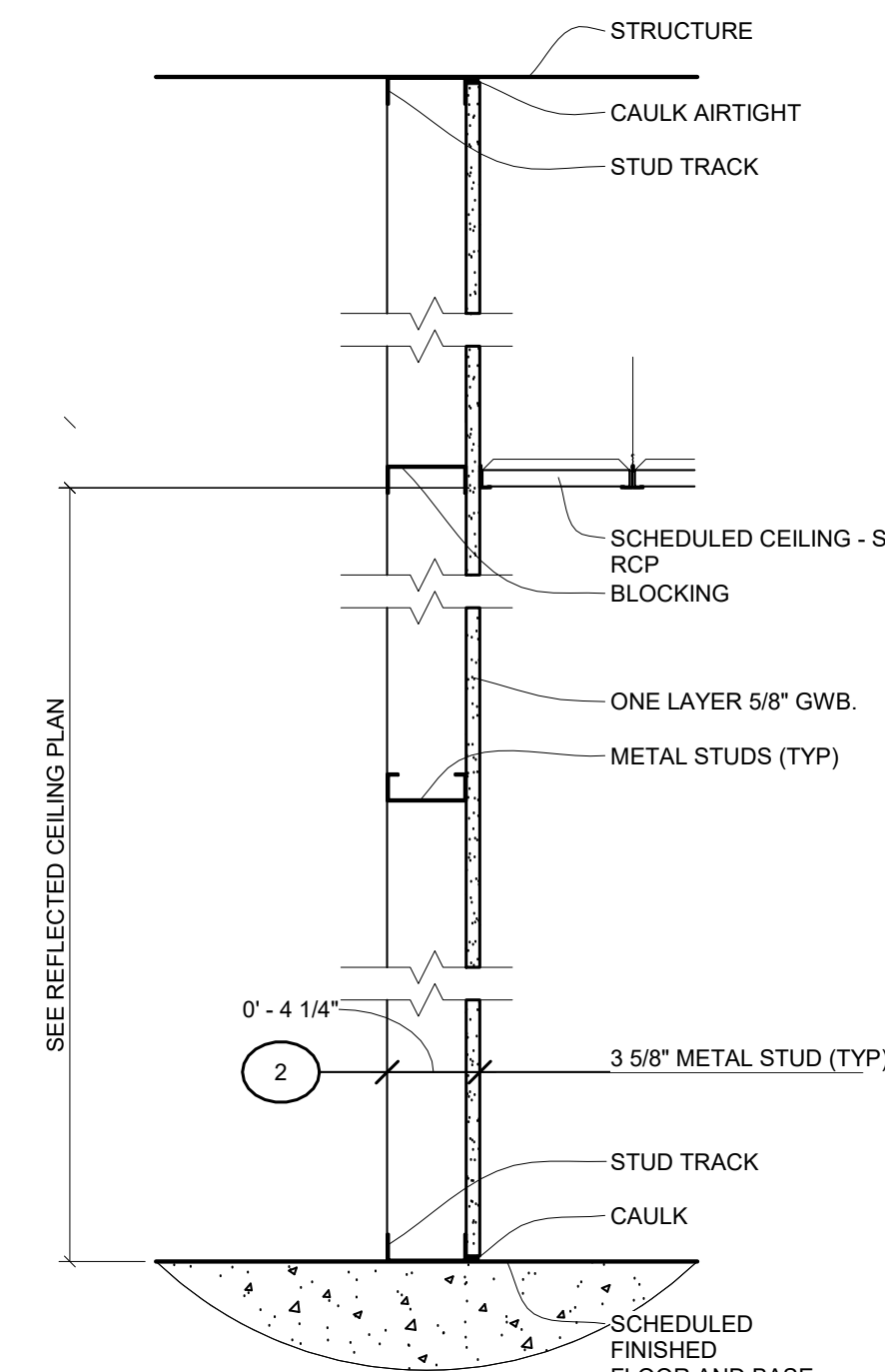
ABBREVIATIONS USED IN DOOR SCHEDULES:

SCWD - SOLID CORE FLUSH WOOD DOOR  
HM - HOLLOW METAL  
SF - STOREFRONT OR CURTAIN WALL  
HR - HOUR  
MIN - MINUTE  
PR - PAIR  
ALUM - ALUMINUM  
MANUF - MANUFACTURER  
ELEV - ELEVATION, SEE DETAILS SHEET SHEET A4.00  
VL - VISION LITE  
HL - HALF LITE  
FLT - FULL LITE  
SL - SLIDING DOOR  
DL - DIVIDED LITE  
OVHD - OVERHEAD COILING DOOR

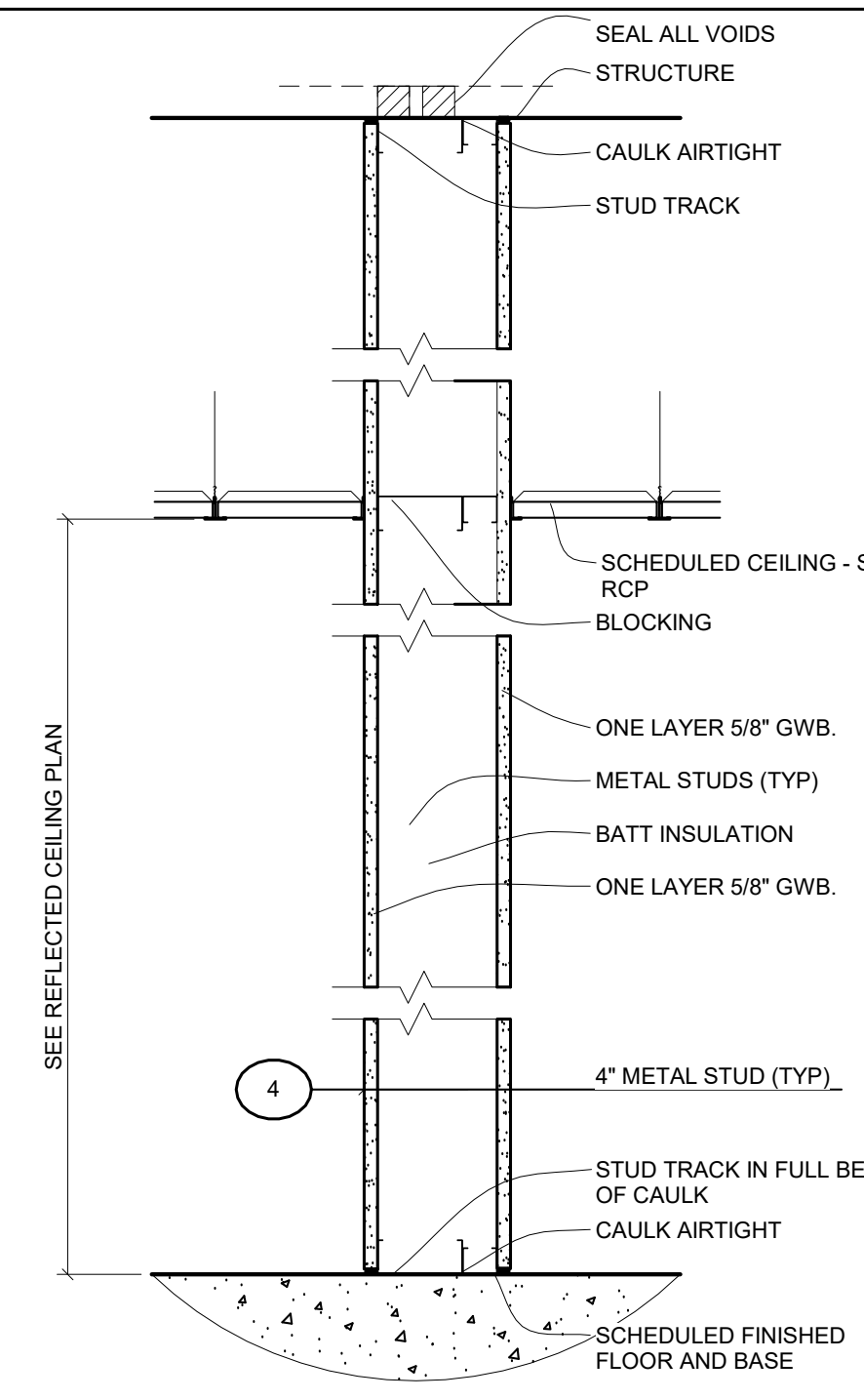
GENERAL DOOR NOTES:

1. ALL LATCHING DOORS TO HAVE LEVER HANDLED HARDWARE.
2. PROVIDE 12" CLEARANCE ON HE "PUSH" SIDE OF DOOR BETWEEN LEADING EDGE OF DOOR LEAF AND AGJACENT WALL SURFACE IF DOOR HAS BOTH CLOSER AND A LATCH. PROVIDE 18" CLEARANCE ON THE "PULL" SIDE.
3. WEATHER-STRIP ALL EXTERIOR DOORS.
4. PROVIDE RUBBER DOOR SILENCER INSERTS AT ALL HOLLOW METAL DOOR FRAMES.
5. PROVIDE VISIBLE FACTORY-APPLIED LABEL AT ALL RATED DOORS AND FRAMES.
6. PROVIDE FLOOR OR WALL MOUNTED DOOR STOPS AT LOCATIONS WHERE ADJACENT WALLS ARE SUBJECT TO DMAGE WHICH MAY BE CAUSED BY CONTACT WITH DOOR HARDWARE.
7. EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY OPERATION FROM THE INSIDE OF THE BUILDING.
8. CONTRACTOR TO COORDINATE AND VERIFY WITH THE OWNERS' REPRESENTATIVE ANY AND ALL HARDWARE CHOICES AND SPECIFICATIONS.
9. ALL THRESHOLD AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT.
10. EACH WINDOW AND DOOR LOCATED IN WALLS WHICH SEPARATE CONDITIONED AND UNCONDITIONED SPACE (INCLUDING BUILDING EXTERIOR) SHALL BE LABELED BY THE MANUFACTURER TO CERTIFY COMPLIANCE WITH THE REQUIREMENTS OF THE NATIONAL FENESTRATION RATING COUNCIL PER NFRC 100 AND 200 FOR FIELD VERIFICATION BY THE FIELD INSPECTOR.
11. PROVIDE GALVANIZED FRAME.
12. PROVIDE 1/4" MINIMUM LAMINATED GLASS (G2) IN FIRE-RATED DOORS.
13. NOT USED
14. PROVIDE ADA OPERATOR
15. PROVIDE SOUND SEALS
16. PAIR OF DOORS

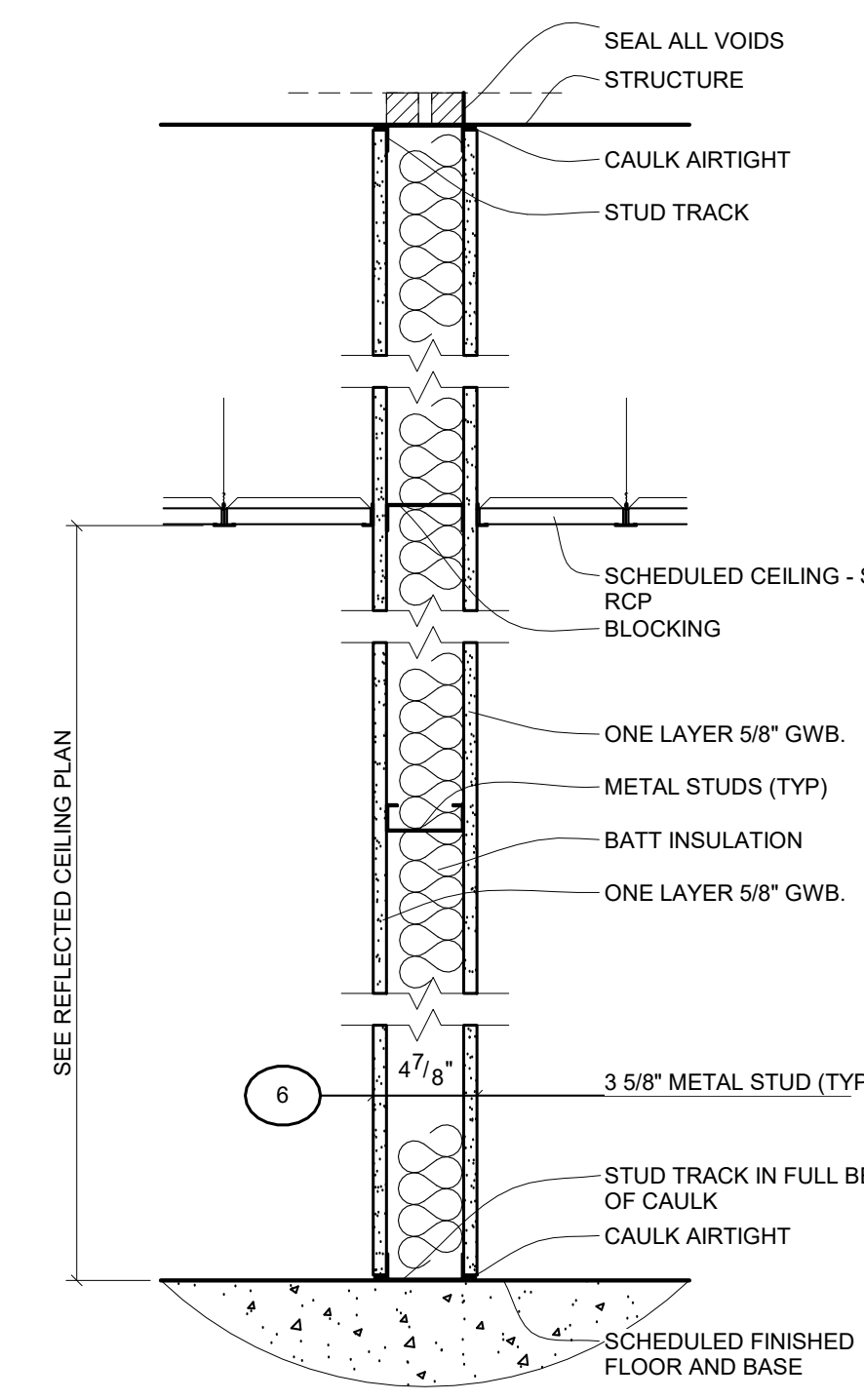
NOTE: ALL DOORS SHALL MEET ADA ACCESSIBILITY REQUIREMENTS.



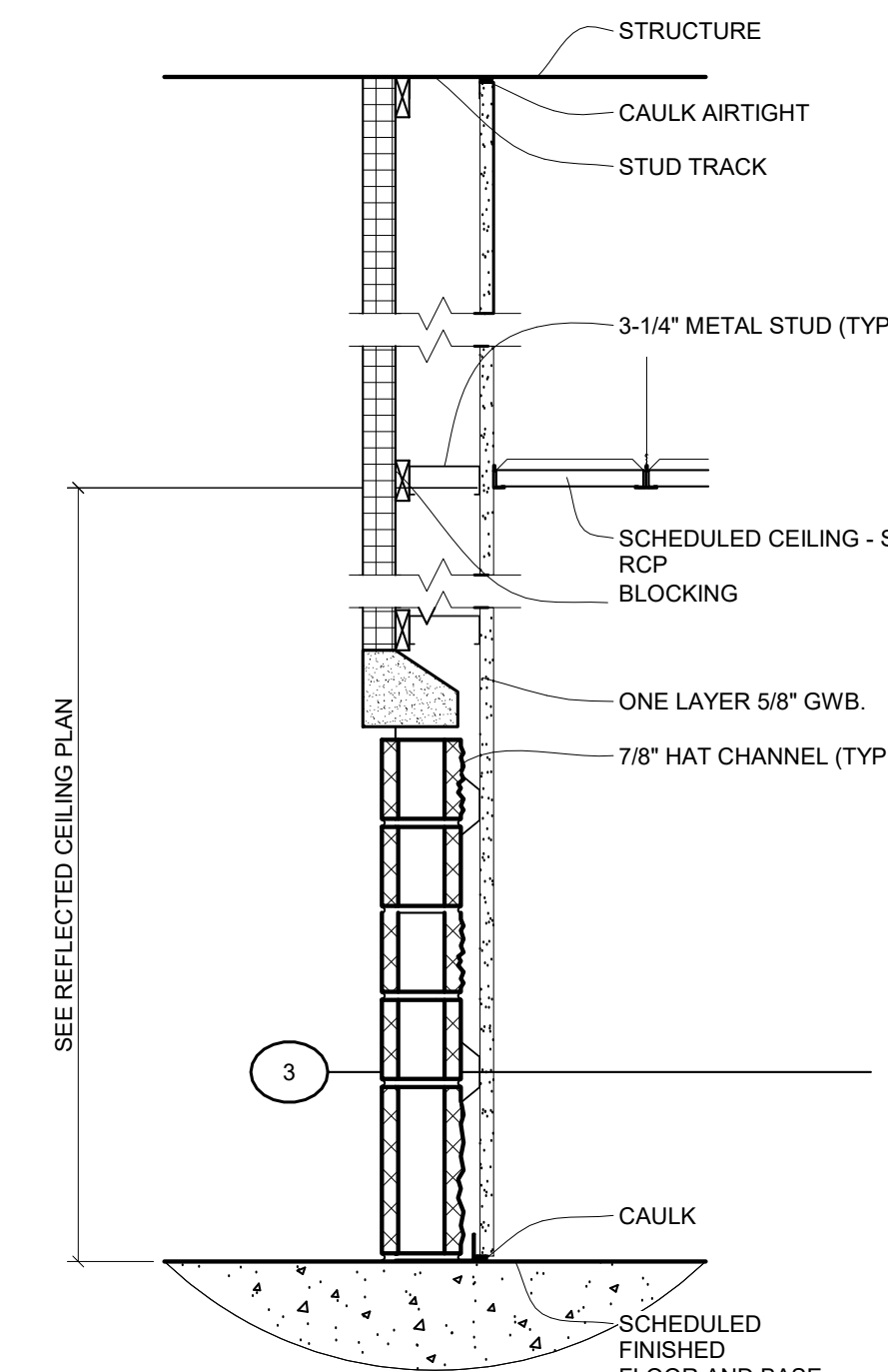
2 FURRING 1 1/2" = 1'-0"



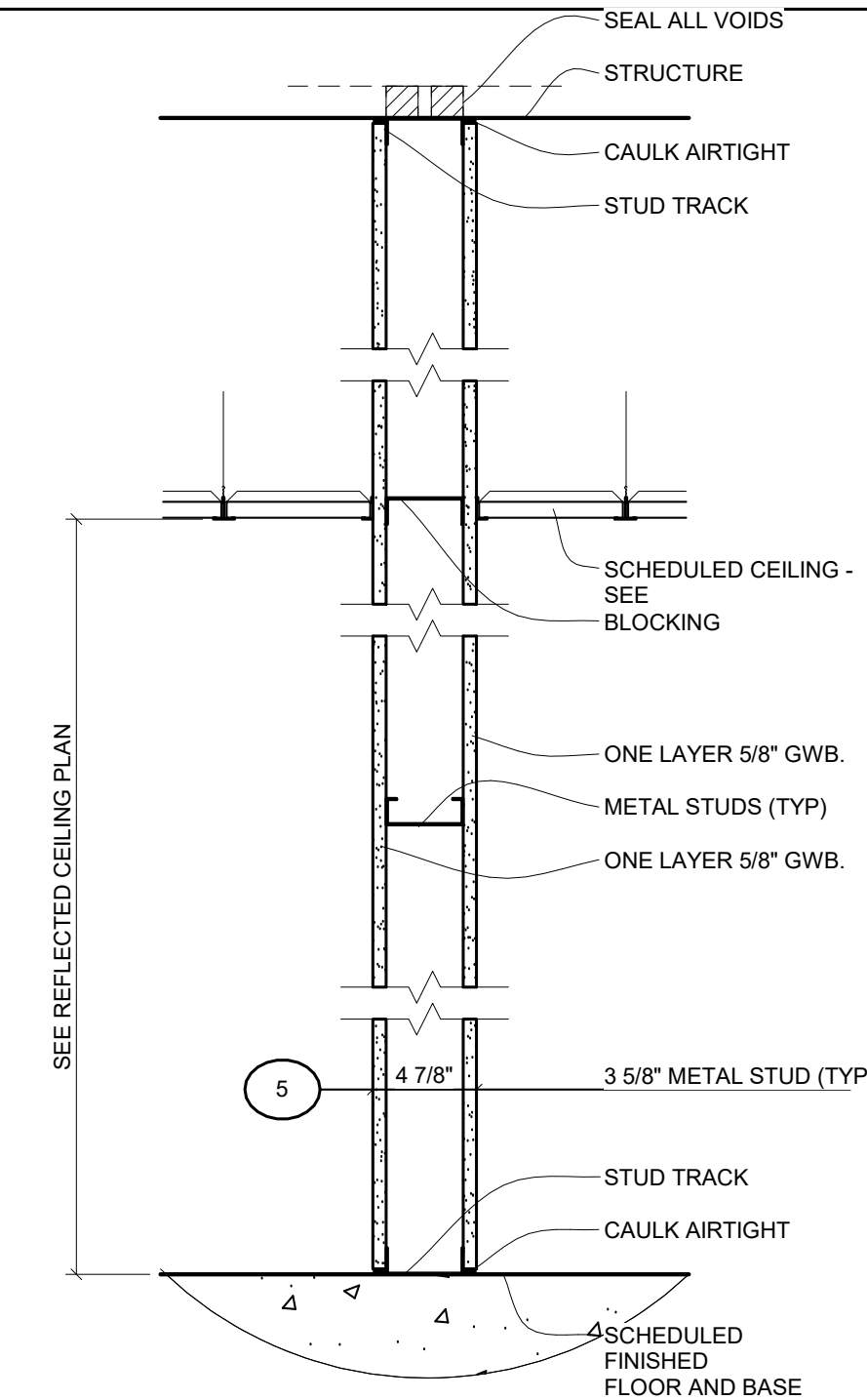
4 FULL HEIGHT PARTITION 1 1/2" = 1'-0"



6 INSULATED PARTITION 1 1/2" = 1'-0"



3 FURRING 1 1/2" = 1'-0"



5 FULL HEIGHT PARTITION 1 1/2" = 1'-0"

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Revisions		
No.	Date	Description
7-21-21		BID SET



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


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DOOR &  
PARTITION  
SCHEDULE

A4.00

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[illegible]
$$3/16'' = 1'-0''$$

INTERIOR FINISHES KEY:		LEGEND	
CONC	CONCRETE		VINYL COMPOSITION TILE (VCT-1)
GYP	GYPSUM WALL BOARD		VINYL COMPOSITION TILE (VCT-2)
PNT	PAINT		SEALED CONCRETE
PTP	PHENOLIC TOILET PARTITIONS		LUXURY VINYL TILE
RB	RUBBER BASE		EPOXY FLOORING
SC	SEALED CONCRETE		
SS	SOLID SURFACE		
CT	CERAMIC TILE		
GRT	GROUT		
LVT	LUXURY VINYL TILE		
VCT	VINYL COMPOSITION TILE		
EPY	EPOXY		
P-LAM	PLASTIC LAMINATE		

**GENERAL NOTE: SOLID SURFACE (SS-2) AT ALL WINDOW SILLS**


$$3'' = 1'-0''$$


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- Finish Plan

A7.00



RELEASED FOR CONSTRUCTION

Revisions

No.	Date	Description
	07.21.21	BID SET



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PROJECT NO.

21102

SHEET TITLE

General Notes & Special  
Inspections

SHEET NO.

S0.10

SCHEDULE OF SPECIAL INSPECTIONS			
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT	
		Y/N	EXTENT
1705.3 CONCRETE CONSTRUCTION			
INSPECTION AND PLACEMENT VERIFICATION OF REINFORCING STEEL	SHOP* AND FIELD INSPECTION	Y	PERIODIC
INSPECTION OF ANCHORS CAST IN CONCRETE.	SHOP* AND FIELD INSPECTION	Y	PERIODIC
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS PER RESEARCH REPORTS, OR, IF NO SPECIFIC REQUIREMENTS ARE PROVIDED, REQUIREMENTS SHALL BE PROVIDED BY THE REGISTERED DESIGN PROFESSIONAL, AND APPROVED BY THE BUILDING OFFICIAL, INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE	FIELD INSPECTION		PERIODIC OR AS REQUIRED BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE
1. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARD-INCLINED ORIENTATION THAT RESIST SUSTAINED TENSION LOADS.		Y	CONTINUOUS
2. MECHANICAL AND ADHESIVE ANCHORS OTHER THAN THOSE DEFINED IN NOTE 1.		Y	PERIODIC
VERIFY USE OF APPROVED DESIGN MIX	SHOP* AND FIELD INSPECTION	Y	PERIODIC
PRIOR TO PLACEMENT, FRESH CONCRETE SAMPLING, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE TEMPERATURE OF CONCRETE AND PERFORM ANY OTHER TESTS AS SPECIFIED IN CONSTRUCTION DOCUMENTS.	SHOP* AND FIELD INSPECTION	Y	CONTINUOUS
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	SHOP* AND FIELD INSPECTION	Y	CONTINUOUS
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP* AND FIELD INSPECTION	Y	PERIODIC
ERECTION OF PRECAST CONCRETE MEMBERS		Y	PERIODIC
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	Y	PERIODIC
INSPECTION OF FORMWORK FOR SHAPE, LINES, LOCATION AND DIMENSIONS	FIELD INSPECTION	Y	PERIODIC
CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	Y	PERIODIC
1705.6 SOILS			
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	Y	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	Y	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	FIELD INSPECTION	Y	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	Y	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	FIELD INSPECTION	Y	PERIODIC
1705.5 WOOD CONSTRUCTION			
FOR PREFABRICATED WOOD STRUCTURAL ELEMENTS, INSPECTION OF THE FABRICATION PROCESS AND ASSEMBLIES IN ACCORDANCE WITH SECTION 1704.2.5	IN-PLANT REVIEW*	Y	PERIODIC
FOR HIGH-LOAD DIAPHRAGMS, VERIFY GRADE AND THICKNESS OF STRUCTURAL PANEL SHEATHING AGREE WITH APPROVED BUILDING PLANS.	FIELD INSPECTION	Y	PERIODIC
FOR HIGH-LOAD DIAPHRAGMS, VERIFY NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, NAIL OR STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, AND THAT SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREE WITH APPROVED BUILDING PLANS	FIELD INSPECTION	Y	PERIODIC
METAL-PLATE-CONNECTED WOOD TRUSSES:			
1. VERIFICATION THAT PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE WHEN THE TRUSS HEIGHT IS GREATER THAN OR EQUAL TO 60".	FIELD INSPECTION	Y	PERIODIC
2. FOR TRUSSES SPANNING 60 FEET OR GREATER: VERIFY TEMPORARY AND PERMANENT RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE	FIELD INSPECTION	Y	PERIODIC
1705.11.1 STRUCTURAL WOOD SPECIAL INSPECTIONS FOR WIND RESISTANCE			
INSPECTION OF FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM.	FIELD INSPECTION	Y	CONTINUOUS
INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS.	SHOP* AND FIELD INSPECTION	Y	PERIODIC
1705.11.2 COLD-FORMED STEEL FRAMING SPECIAL INSPECTIONS FOR WIND RESISTANCE			
INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM.	SHOP* AND FIELD INSPECTION	Y	PERIODIC
INSPECTION OF SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS.	SHOP* AND FIELD INSPECTION	Y	PERIODIC
NOTES: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR(S) AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL. (*) SHOP INSPECTIONS OF FABRICATED ITEMS ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1 AND LISTED IN ACTIVITY 1709.2. OBSERVE: OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM: THESE TASKS SHALL BE PERFORMED FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT			

STRUCTURAL GENERAL NOTES :

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE W/ SC AMENDMENTS AND ASCE 7-10. THE FOLLOWING CRITERIA APPLY:

LOADS:

RISK CATEGORY =	II
ROOF LIVE LOAD (REDUCED PER CODE)=	20 psf
ROOF DEAD LOAD =	20 psf
ROOF DEAD LOAD = (AVAILABLE TO RESIST UPLIFT)	5 psf
FLOOR LIVE LOAD =	100 psf
GROUND S'NOW LOAD, Pg =	10 psf
SEISMIC IMPORTANCE FACTOR, I =	1.0
MAPPED SPECTRAL ACCELERATIONS: Ss = 0.350, S1 = 0.106	
SITE CLASS (SOIL TYPE)=	D (ASSUMED)
SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.350, S1 = 0.169	
SEISMIC DESIGN CATEGORY:	C
SEISMIC FORCE RESISTING SYSTEM:	
COLD-FORMED STEEL W/ WOOD SHEATHED WITH WOOD STRUCTURAL PANELS	
RESPONSE MODIFICATION FACTOR, R:	3.0
OVERSTRENGTH FACTOR, O:	1.0
DEFLECTION AMPLIFICATION FACTOR, Cd:	3.0
SEISMIC RESPONSE COEFFICIENT, Cs:	0.118
DESIGN BASE SHEAR:	3.0 kips
ANALYSIS PROCEDURE:	E.L.F. PROCEDURE
BASIC WIND SPEED (ULTIMATE)	105 mph
BASIC WIND SPEED (SERVICE)	82 mph
WIND EXPOSURE CATEGORY:	B
INTERNAL PRESSURE COEFFICIENT:	
COMPONENTS & CLADDING PRESSURES (ULTIMATE):	±0.18

ZONE	1	2a, 2r	2n, 3r	3e	4	5
A=10	+16.0 -37.0	+16.0 -37.0	+16.0 -47.1	+16.0 -55.4	+20.2 -22.0	+20.2 -27.1
A=20	+16.0 -34.4	+16.0 -34.4	+16.0 -43.2	+16.0 -50.2	+19.3 -21.0	+19.3 -25.3
A=50	+16.0 -31.1	+16.0 -31.1	+16.0 -38.0	+16.0 -43.5	+18.1 -19.8	+18.1 -22.9
A=100	+16.0 -28.6	+16.0 -28.6	+16.0 -34.1	+16.0 -38.4	+17.2 -18.9	+17.2 -21.0

(A = EFFECTIVE WIND AREA IN SQ. FT. α = 3'-0")

SEE FIG. 30.4-1, ASCE 7-16 FOR ZONE LAYOUT AND ADD'L INFO.)

GENERAL:

- GENERAL CONTRACTOR SHALL VERIFY LOCATIONS OF MECHANICAL EQUIPMENT AND COORDINATE WITH THE STRUCTURAL DRAWINGS.
- STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT.
- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS DURING CONSTRUCTION.
- CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTING ANY WORK.
- COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS INCLUDING BUT NOT LIMITED TO ALUMINUM STOREFRONT, PRECAST CONCRETE, CURTAIN WALL GLAZING SYSTEMS AND ORNAMENTAL GUARDRAILS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIMES OF INSPECTION.

FOUNDATION:

- THE FOUNDATION DESIGN USES MINIMUM ALLOWABLE DESIGN CRITERIA DETERMINED BY 2018 IBC.
- THE FOUNDATION DESIGN IS BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF FOR SHALLOW FOUNDATIONS ON EITHER PROPERLY COMPACTED NATIVE SOILS OR STRUCTURAL FILL. SEE GEOTECH REPORT FOR SITE PREPARATION PROCEDURES.
- A REGISTERED GEOTECHNICAL ENGINEER SHALL VERIFY THE DESIGN SOIL BEARING CAPACITY AND SHALL VERIFY THE CONDITION AND/OR ADEQUACY OF ALL SUBGRADE AND FILL PRIOR TO PLACEMENT OF FOOTINGS AND SLABS.

CONCRETE:

- CONCRETE FOR ALL STRUCTURAL ELEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 psi, AND SHALL BE NORMAL WEIGHT WITH A W/C/R = 0.55 MAX.
- UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL BE A MINIMUM OF FOUR INCHES THICK, SHALL BE REINFORCED WITH 6x6-W14xW1.4 W.W.F. LOCATED 1/2" BELOW THE TOP OF SLAB AND PLACED OVER A 4" GRADED AGGREGATE BASE AND A MINIMUM 12 MIL VAPOR BARRIER.
- ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SHALL BE AIR ENTRAINED 5% +/-1.
- ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITIONS OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
- CONCRETE TEST REPORTS SHALL BE AVAILABLE AT THE JOB SITE.

REINFORCING:

- DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCING", AND CRSI MANUAL OF STANDARD PRACTICE.
- REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 DEFORMED BARS, UNO. LAP SPlice LENGTH SHALL BE A MINIMUM "CLASS B" TENSION SPlice, UNO.
- WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185 AND SHALL BE LAPPED A MINIMUM OF 8" ON ALL SIDES AND SPICES.
- BRICK AND CMU VENEER TIES SHOULD BE A MINIMUM 9 GAUGE CORROSION-RESISTANT WIRE @ 16" MAX. HORIZONTALLY, AND 16" O.C. VERTICALLY, SECURELY ATTACHED TO SUPPORT WALL.
- REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH (NOT FORMED)	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	
#6 BARS AND LARGER	2"
#5 BARS AND SMALLER	1-1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER SLABS AND WALLS	1"

- PROVIDE CONTINUOUS REINFORCING WHEREVER POSSIBLE; SPlice ONLY AS SHOWN OR APPROVED; STAGGER SPICES WHERE POSSIBLE; USE CLASS "B" TENSION SPlice UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCING AND SHALL BE LAPPED WITH CLASS "B" TENSION SPICES, UNLESS NOTED OTHERWISE. LAP LENGTHS EXPRESSED IN NUMBER OF BAR DIAMETERS SHALL BE AS FOLLOWS:

BAR SIZE	CLASS	3,000	4,000	5,000
#6 OR SMALLER	A	44 DIA.	38 DIA.	34 DIA.
	B	57 DIA.	49 DIA.	44 DIA.
#7 OR LARGER	A	55 DIA.	47 DIA.	42 DIA.
	B	71 DIA.	52 DIA.	55 DIA.

TABLE IS FOR NORMAL WEIGHT CONCRETE. INCREASE THE ABOVE LAP LENGTHS BY A FACTOR OF 1.3 FOR BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THEM (I.E. TOP BARS). INCREASE LAP LENGTHS BY A FACTOR OF 1.3 FOR WHEN LIGHT WEIGHT CONCRETE IS USED.

COLD-FORMED STEEL FRAMING:

- LIGHT GAUGE STEEL FRAMING SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRINCIPLES AND GOVERNING CODES. THE DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA. SHOP DRAWINGS SHALL BE SUBMITTED WHICH BEAR THE SIGNATURE, DATE, AND SEAL OF THE ENGINEER. SHOP DRAWINGS SHALL CLEARLY INDICATE CONNECTIONS AND MATERIALS USED. SECTIONS AND DETAILS SHOWN ON THE DRAWINGS ARE FOR CONCEPT ONLY.
- LIGHT GAUGE STEEL FRAMING SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION SHOWING WALL SECTIONS COORDINATED WITH DRAWINGS SHOWING FRAMING, ACCESSORIES, ANCHORAGE AND CONNECTION DETAILS.
- MATERIAL SPECIFICATIONS FOR LIGHT-GAUGE STEEL:  
16 GA OR HEAVIER: ASTM A-446, Fy = 50 KSI MIN.  
18 GA OR LIGHTER: ASTM A-446, Fy = 33 KSI MIN.
- GALVANIZING: MINIMUM G-60 COATING
- ALL STUDS AND JOIST MEMBERS SHALL BE STRUCTURAL (14 TO 20 GAUGE), AND HAVE STIFFENED FLANGES.
- CONNECTION MATERIAL GAUGE MATCH STUD GAUGE. UNO. CLIP ANGLES SHALL BE 14 GA. MINIMUM.
- BUILT-UP MEMBERS FASTEN TOGETHER WITH 1" LONG STITCH WELDS OR #12 SCREWS AT 12" O.C. MAXIMUM, EACH FLANGE, AND EACH TRACK.
- PROVIDE BRIDGING AT 8' MAXIMUM VERTICAL SPACING IN WALLS.
- TEMPORARY BRACING SHALL BE PROVIDED AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.
- SPACING OF MEMBERS SPANNING BETWEEN SUPPORTS SHALL NOT BE PERMITTED.
- PROVIDE DEEP TRACK ASSEMBLY OR SLIDE CONNECTIONS AT TOPS OF ALL NON-LOAD BEARING STUD WALLS TO ALLOW FOR MOVEMENT OF STRUCTURE. ARCHITECT SHALL REVIEW IN PLACE STEEL STUD CONSTRUCTION PRIOR TO THE INSTALLATION OF GYPSUM WALL BOARD OR SHEATHING.
- DESIGN COLD-FORMED STEEL FRAMING SYSTEMS TO WITHSTAND THE DESIGN LOADS WITHOUT EXCEEDING THE FOLLOWING DEFLECTION CRITERIA:  
MEMBERS SUPPORTING MASONRY -- L/600 OR 1/2" MAXIMUM  
MEMBERS SUPPORTING OTHER MATERIAL -- L/360 OR 1" MAXIMUM

WOOD:

- CONNECTORS AND FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER INCLUDING BUT NOT LIMITED TO ANCHOR RODS, POWDER ACTUATED FASTENERS, NAILS, SCREWS, BOLTS, AND STEEL FRAMING HARDWARE. ZINC COATING WEIGHTS SHALL COMPLY WITH THE REQUIREMENTS INCLUDED IN IBC SECTION 2304.9.5 FOR THE APPROPRIATE USE.
- CONNECTION HARDWARE SPECIFIED SHALL USE THE TYPE, SIZE, AND MAXIMUM NUMBER OF FASTENERS SPECIFIED IN THE MANUFACTURER'S PRODUCT LITERATURE UNLESS NOTED OTHERWISE IN THE DETAILS.
- ENGINEERED WOOD TRUSS SYSTEMS SHALL BE DESIGNED BY SPECIALTY SPECIALTY ENGINEER TO CONFIGURATION AND LOAD CARRYING CAPACITY SHOWN ON DRAWINGS AND SPECIFICATIONS. ALTERNATE TRUSS LAYOUTS ARE ACCEPTABLE ONLY AS A CHANGE ORDER WHICH WILL INCLUDE ENGINEERING CHARGES FOR REDESIGN OF THE STRUCTURE BY THE ENGINEER OF RECORD. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW AND SPECIFY CONNECTOR TYPES UTILIZED WITHIN TRUSSES, AS WELL AS CONNECTORS UTILIZED IN OTHER CONNECTIONS AND ATTACHMENTS BETWEEN TRUSSES OR COMPONENTS SUPPLIED AS PART OF THE ENGINEERED TRUSS SYSTEM, ALL HARDWARE (BOLTS, HANGERS, STRAPS, ETC.) REQUIRED FOR CONNECTIONS BETWEEN PRE-ENGINEERED TRUSSES SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS ENGINEER. AN ERECTION DRAWING SHALL BE INCLUDED, IDENTIFYING TRUSS SYSTEM COMPONENTS, AS WELL AS PERMANENT BRACING REQUIRED FOR TRUSS DESIGN. BRACE IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE/STRUCTURAL BUILDING COMPONENT ASSOCIATION "BUILDING COMPONENT SAFETY INFORMATION", BCSI-13 GUIDELINES AND RELATED SUMMARY SHEETS.
- ENGINEERED SHOP DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE AS THE SPECIALTY ENGINEER. ALL PRE-ENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD.
- THE FOLLOWING LOAD DURATION FACTORS SHALL BE USED:  
DEAD LOAD 0.90  
DEAD LOAD + FLOOR LIVE LOAD 1.00  
DEAD LOAD + ROOF LIVE LOAD 1.25  
DEAD LOAD + WIND LOAD 1.33
- PLYWOOD FLOOR, WALL AND ROOF SHEATHING ARE DESIGNED AS DIAPHRAGMS AND SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 23 OF THE BUILDING CODE. UNLESS SHOWN OTHERWISE, SPAN RATED PANELS SHALL BE FASTENED TO NOMINAL 2X SOUTHERN PINE FRAMING SPACED UP TO 24" O/C, IN ACCORDANCE WITH THE FOLLOWING:  
PANELS UP TO 1/2" THICK: 8d NAILS AT 6" O/C. EDGE, 12" O/C. ELSEWHERE.  
PANELS UP TO 5/8" THICK: 10d NAILS AT 6" O/C. EDGE, 12" O/C. ELSEWHERE.  
PANELS UP TO 3/4" THICK: 12d NAILS AT 6" O/C. EDGE, 12" O/C. ELSEWHERE.
- WOOD TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED GRAVITY LOADS:  
TOP CHORD DEAD LOAD 15 PSF  
BOTTOM CHORD DEAD LOAD 10 PSF  
TOP CHORD LIVE LOAD 20 PSF  
BOTTOM CHORD LIVE LOAD, UNO. 0 PSF
- DESIGN ROOF TRUSSES TO RESIST WIND UPLIFT PRESSURES IN ACCORDANCE WITH THE BUILDING CODE NOTED ABOVE. USE ROOF DEAD LOAD (AVAILABLE TO RESIST UPLIFT) LISTED IN THE DESIGN LOAD SECTION IN DETERMINING NET UPLIFT PRESSURES.
- IN ADDITION TO THE ABOVE LOADS, WOOD ROOF TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS ALONG WITH ROOF FRAMING PLAN FOR LOADING INFORMATION AND LOCATION. LOADING REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.
- TRUSSES SHALL BE TOE-NAILED TO DOUBLE TOP PLATE WITH A MINIMUM OF (3) 8d NAILS.

EXISTING CONDITIONS:

- WHERE EXISTING CONDITIONS ARE SHOWN THEY HAVE BEEN DERIVED FROM AVAILABLE DRAWINGS AND REPRESENT THE ENGINEER'S BEST ESTIMATE OF ACTUAL CONDITIONS. DEPICTED EXISTING CONDITIONS MAY NOT, IN ALL CASES, BE CORROBORATED BY FIELD INVESTIGATIONS.
- ALL DIMENSIONS AND DETAILS OF EXISTING WORK INDICATED ON THE DRAWINGS SHALL BE FIELD MEASURED AND VERIFIED BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
- NECESSARY PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR UNDERMINE ANY EXISTING BUILDING FOUNDATIONS OR STRUCTURE AND SHORING SHALL BE PROVIDED AS REQUIRED.
- CONTRACTOR SHALL NOT MODIFY ANY EXISTING STRUCTURAL COMPONENTS WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER UNLESS SPECIFICALLY NOTED IN THE THESE DRAWINGS.

POST-INSTALLED ANCHORS:

- UNLESS NOTED OTHERWISE, POST-INSTALLED CONCRETE ANCHORS SHALL COMPLY WITH ICC-ES ACCEPTANCE CRITERIA FOR ANCHORS IN CRACKED CONCRETE AND SEISMIC APPLICATIONS.
- PLACE POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR AND EMBEDMENTS.
- PROPER INSTALLATION OF POST-INSTALLED ANCHORS SHALL BE VERIFIED BY A QUALIFIED TECHNICAL PERSONNEL IN ACCORDANCE WITH THE PROJECT REQUIREMENTS AND THE ICC-ES REPORT. THE TECHNICIAN SHALL VERIFY THE INITIAL INSTALLATION OF EACH TYPE OF ANCHOR AND PERIODICALLY VERIFY INSTALLATIONS THEREAFTER.
- MECHANICAL SCREW ANCHORS FOR USE IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193, ACCEPTABLE MECHANICAL SCREW ANCHORS FOR USE IN CONCRETE INCLUDE THE FOLLOWING:
  - HILTI KWIK HUS-EZ (ICC-ES ESR 3027)
  - DEWALT SCREW-BOLT+ (ICC-ES ESR-3889)
  - SIMPSON STRONG-TIE ITEN HD (ICC-ES ESR 2713)
- ADHESIVE ANCHORS INCLUDING REBAR FOR USE IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308. ADHESIVE ANCHORS SHALL BE INSTALLED INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ACCEPTABLE ADHESIVE ANCHORS FOR USE IN CONCRETE INCLUDE THE FOLLOWING:
  - HILTI HY-200 (ICC-ES ESR 3187)
  - SIMPSON STRONG-TIE AT-XP (APMO UCS ESR-263)
  - DEWALT AC208+ (ICC-ES ESR-4027)

SPECIAL INSPECTIONS NOTES:

- DURING CONSTRUCTION, SPECIAL STRUCTURAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1705 OF THE IBC, AN APPROVED SPECIAL INSPECTOR WITH QUALIFICATIONS SATISFACTORY TO THE BUILDING OFFICIAL SHALL PERFORM SPECIAL INSPECTIONS. ALL SPECIAL STRUCTURAL INSPECTION REPORTS SHALL BE PREPARED BY AND BEAR THE SEAL OF THE SPECIAL INSPECTOR, AND ALL REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, ARCHITECT, AND TO THE STRUCTURAL ENGINEER.
- SPECIAL INSPECTOR SHALL PREPARE THE REQUIRED QUALITY ASSURANCE PLANS & SUBMIT PLAN TO BUILDING OFFICIAL, ARCHITECT, AND THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK FOR CONFORMANCE WITH THE PERMITTED CONSTRUCTION DOCUMENTS. THE SPECIAL INSPECTOR SHALL FURNISH PERIODIC INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONALS OF RECORD. THE FREQUENCY OF REPORTS SHALL BE AS AGREED UPON BY THE BUILDING OFFICIAL. ALL NONCONFORMING ITEMS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF CORRECTED, THE BUILDING OFFICIAL, ARCHITECT, AND THE STRUCTURAL ENGINEER.
- THE SPECIAL INSPECTOR, UPON COMPLETION OF THE WORK AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, SHALL SUBMIT A SIGNED & SEALED FINAL REPORT DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE PRIOR REPORTS.
- ALL STRUCTURAL ELEMENTS OF THE BUILDING FRAME SHALL BE INSPECTED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND REQUIREMENTS OF SECTION 1705 OF THE IBC, INCLUDING, BUT NOT BE LIMITED TO THE SECTIONS LISTED ON THIS DRAWING.
- A QUALITY ASSURANCE PLAN FOR WIND RESISTANCE IS REQUIRED PER IBC 1705.10.
- A QUALITY ASSURANCE PLAN FOR SEISMIC RESISTANCE IS REQUIRED PER IBC 1705.11.



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EXP 06/2022

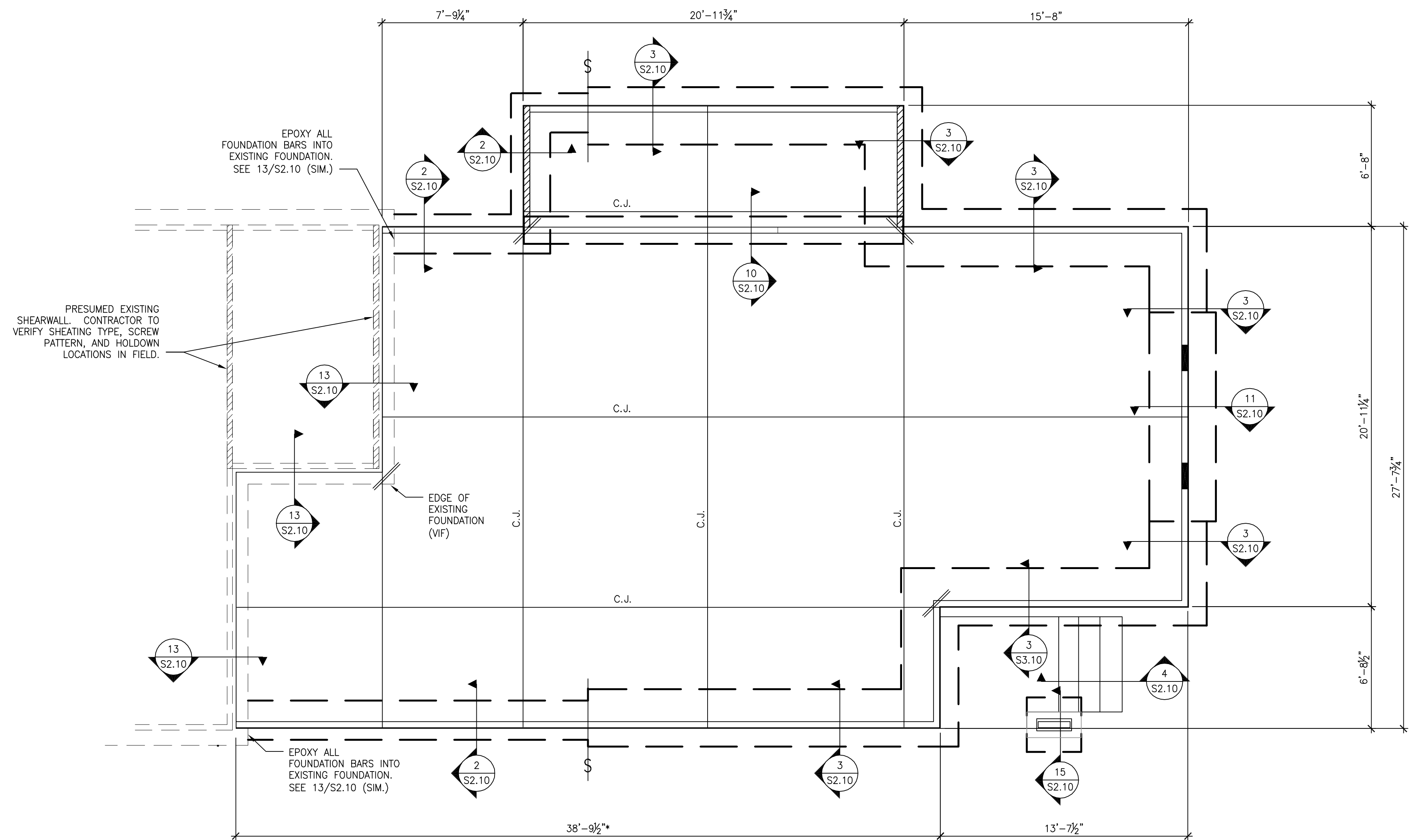


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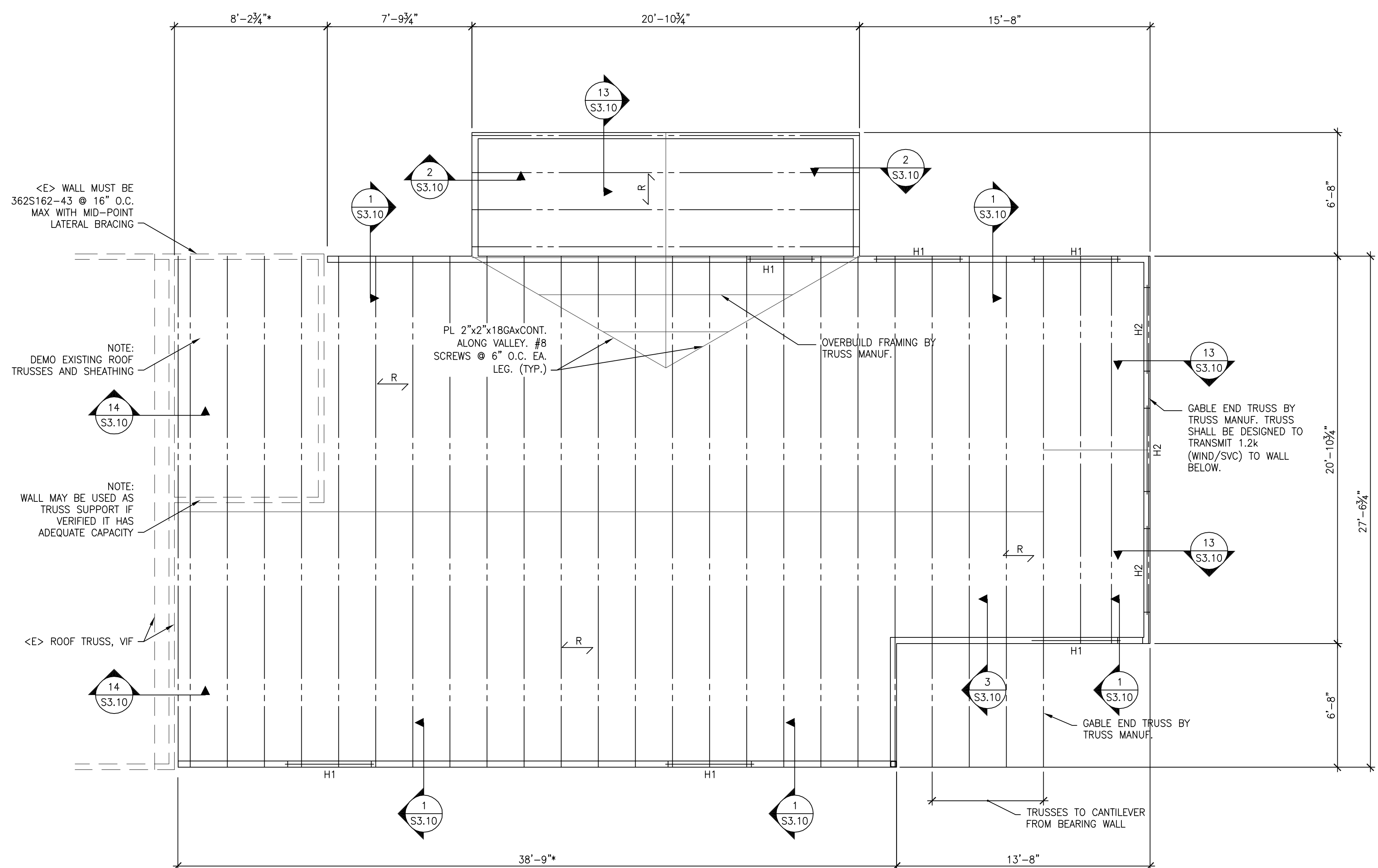
FOUNDATION PLAN NOTES:

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF CONCRETE SLAB ELEVATION =  $+0'-0"$ . ALL OTHER DIMENSIONS ARE MEASURED FROM THIS DATUM.
3. SLAB ON GRADE SHALL BE 4" NORMAL WEIGHT CONCRETE, REINFORCED WITH 6x6 W1.4xW1.4 W.W.F. LOCATED  $1\frac{1}{2}"$  BELOW THE TOP OF SLAB, UNO.
4. C.J. INDICATES CONTROL JOINT, SEE 1/52/10.
5. SEE ARCHITECTURAL DRAWINGS FOR ANY SLOPES, DEPRESSIONS, TRENCHES, ETC. IN SLAB ON GRADE.
6. ALL DIMENSIONS SHOWN ON THIS PLAN ARE TO EDGE OF SLAB UNO.
7.  $\equiv$  INDICATES (2) #4 x  $0'-0"$  AT SLAB MID-DEPTH, 3" APART, PROVIDE AT ALL RE-ENTRANT CORNERS AND INTERSECTIONS, AT ALL DISCONTINUOUS CONTROL JOINTS IN SLAB-ON-GRADE AND AS SHOWN ON PLAN.
8.  $\equiv$  INDICATES PLYWOOD SHEARWALL. SEE ELEVATION 5/52/10.
9.  $\blacksquare$  INDICATES SIMPSON STRONG-TIE STEEL STRONG WALL SHEARWALL S/55W15x10,  $H=12'-0"$
10.  $\sim$  INDICATES STEP IN FOUNDATION, SEE 9/52/10. GIVE HATCH AND INFORMATION ON FINISH GRADE. CONTRACTOR TO ESTABLISH FINISH GRADE CONTROL POINTS BASED ON PARAMETERS IN FOUNDATION SECTIONS AND GRADE INFO.



ROOF FRAMING PLAN NOTES:

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. ALL DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
2. SEE ARCHITECTURE FOR TOP OF FINISHED ROOF ELEVATIONS, ROOF SLOPES AND ROOF DRAIN LOCATIONS.
3. COORDINATE SIZE AND LOCATION OF ALL OPENINGS IN ROOF WITH ARCH. MECH. AND PLUMBING DRAWINGS.
4. \* - VERIFY DIMENSION TO EXISTING BUILDING IN FIELD PRIOR TO CONSTRUCTION OR FABRICATION.
5. TYPICAL ROOF TRUSSES ARE WOOD TRUSSES TO BE SPACED AT 24" O.C. AND ALIGNED WITH WALL STUDS. TRUSS PROFILE IS TO MATCH EXISTING PROFILE. WITH TOP CHORD LOCATED AT B/SHEATHING ELEVATION. VERIFY ELEVATION AND SLOPE IN FIELD.
6. TRUSS MANUFACT. SHALL DETAIL ALL TRUSS-TO-TRUSS CONNECTIONS.
7.  $\frac{R}{\searrow}$  INDICATES SPAN OF 3/4" NOMINAL RAFTER WOOD STRUCTURAL PANELS
8. 'H' INDICATES STEEL STUD HEADER.  
H1 - SEE 7/3.01  
H2 - SEE 8/3.01



RELEASED FOR CONSTRUCTION

[illegible]

Gardner  
Spencer  
Smith  
Tench &  
Jarbeau

A Professional Corporation  
for the Practice of Architecture

Tower Place Building  
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Suite 1800  
Atlanta, Georgia 30326  
404.522.8805  
404.521.2118 (f)

PROJECT NO.

21102

**SHEET TITLE**

## Foundation & Roof Plans

**SHEET NO.**

## S1.10



95 Senior Center Dr.  
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RELEASED FOR CONSTRUCTION

Revisions		
No.	Date	Description
	07.21.21	BID SET

[illegible]

Gardner  
Spencer  
Smith  
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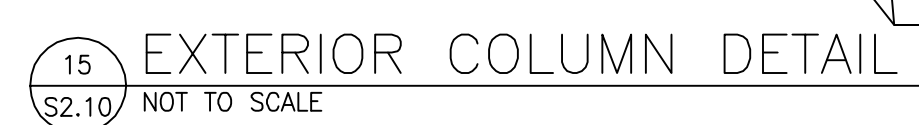
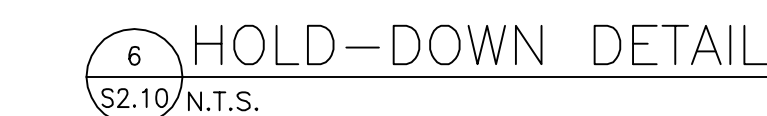
Tower Place Building  
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PROJECT NO. 21102

## SHEET TITLE

SHEET NO.


## S2.10





95 Senior Center Dr.  
Blairsville, GA 30512

## Revisions



07/23/2021

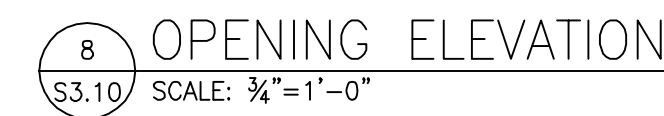
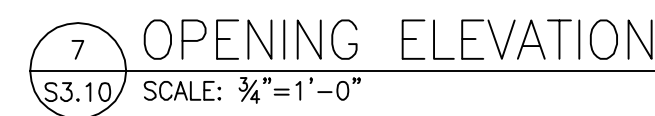
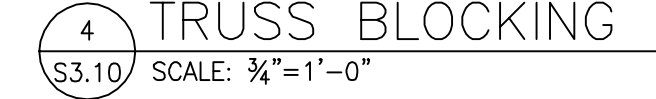
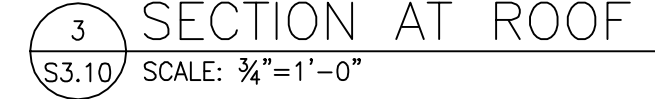
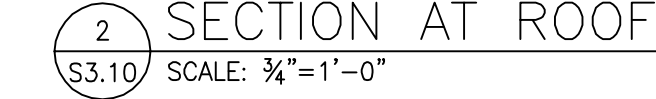
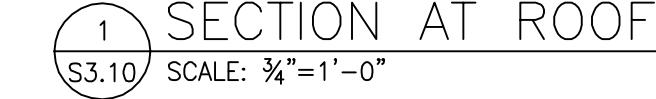
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PROJECT

SHEET TITLE

SHEET N

### S3.10









LOUVERS												
SYMBOL	MODEL / SERIES	SERVES	SIZE WxH (IN)	MIN FREE AREA (SQ FT)	CFM	MAX PRESS. DROP (IN WC)	OPERATOR	INTERLOCK	FRAME	REMARKS		
										1	2	3
WL-1	ESD-635	FCU-1 OUTSIDE AIR INTAKE	18x18	0.4	190	0.05	N/A	N/A	ALUMINUM	X	X	
WL-2	ESD-635	RESTROOM EXHAUST	24x18	0.8	420	0.05	N/A	N/A	ALUMINUM	X	X	

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	NOISE CRITERIA @ MAX CFM	MODEL
RC2424	EGGCRATE GRILLE	24x24	24x24	25	TITUS 50F
SCPO6	SUPPLY CEILING PLAQUE DIFFUSER	24x24	6Ø	25	TITUS OMNI
SCPO8	SUPPLY CEILING PLAQUE DIFFUSER	24x24	8Ø	25	TITUS OMNI
5S0804	DOUBLE DEFLECTION SUPPLY	10x6	8x4	25	TITUS 300F5

A. AIR DEVICE (I.E. DIFFUSERS, REGISTERS AND GRILLES) COLOR SELECTION SHALL BE MADE BY ARCHITECT. CONTRACTOR SHALL SUBMIT COLOR/FINISH CHARTS FOR ARCHITECTURAL REVIEW AND SELECTION.

B. THE CONTRACTOR SHALL COORDINATE AIR DEVICE FRAME AND/OR SUSPENSION TYPE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.

SPLIT DIRECT EXPANSION (DX) EQUIPMENT																											
INDOOR UNIT									OUTDOOR UNIT				COMBINED COOLING CAPACITIES					REMARKS									
MARK	SERVES	TOTAL S.A. (CFM)	O.A. (CFM)	E.S.P. (IN WG)	MOTOR (HP)	AUXILIARY HEATER (KW)	WEIGHT (LBS)	BASIS OF DESIGN	MIN. SEER	MIN. HSFP	WEIGHT (LBS)	BASIS OF DESIGN	NOMINAL TONNAGE (TONS)	COOLING													
														TOTAL (MBH)	SENS (MBH)	LAT (MBH)	Ent. Tdb (°F)							Ent. Twb (°F)	Lvg. Tdb (°F)	Lvg. Twb (°F)	
FCU-1 / HP-1	EXERCISE EQUIPMENT	1,890	190	0.50	3/4 ECM	11.3	175.0	FX4DNF061	14.0	8.2	250.0	25HCF460	5.0	58.1	43.2	14.9	76.8	65.0	56.0	55.0	1	2	3	4	5	6	7
																				X	X	X	X	X	X	X	

NOTES (APPLY TO ALL):

A. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
B. SUBMITTED UNIT CAPACITIES SHOULD BE WITHIN +/- 1.0% OF SCHEDULED CAPACITIES.
C. BASIS OF DESIGN: CARRIER. REFER TO SPECIFICATIONS.
ACCEPTABLE ALTERNATES: JCIWORK, TRANE, DAIKINMACQUAY, LENNIX
D. ALL EVAPORATORS AND COOLING COILS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER IN THE AUXILIARY DRAIN PAN.
E. AS AN ALTERNATIVE TO THE AUXILIARY CONDENSATE DRAIN PAN, AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER MAY BE INSTALLED IN THE PRIMARY DRAIN LINE, THE OVERFLOW DRAIN LINE OR THE EQUIPMENT SUPPLIED DRAIN PAN. THE WATER LEVEL DETECTOR SHALL BE LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN.

REMARKS (APPLY AS SCHEDULED):

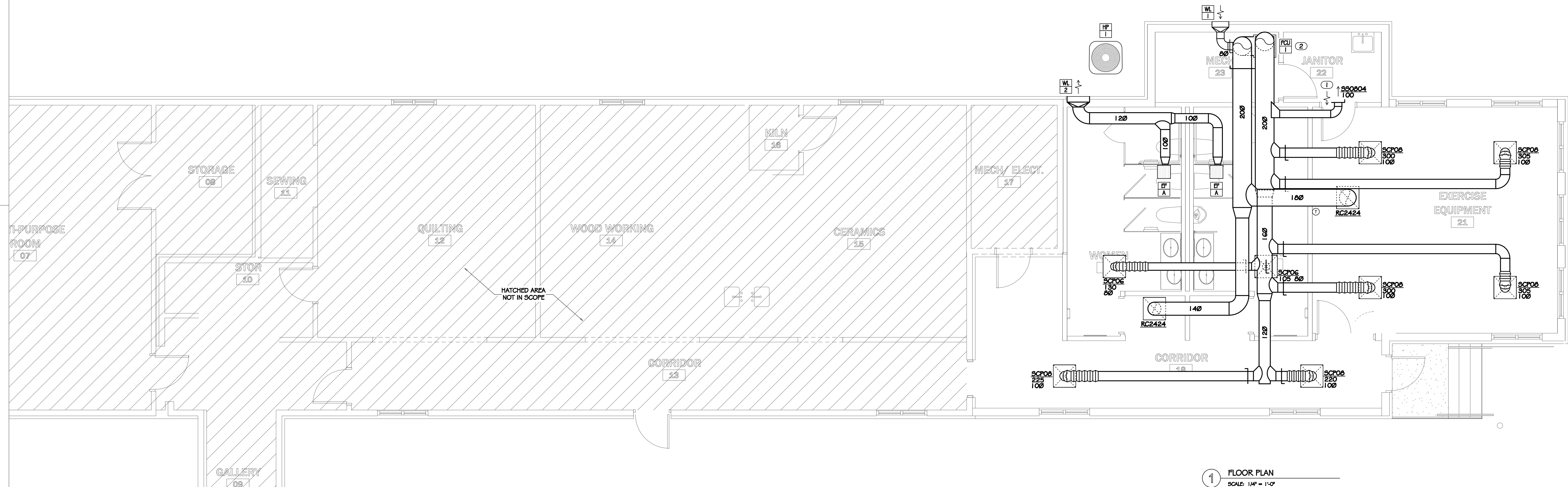
1. PROGRAMMABLE THERMOSTAT.
2. LOW AMBIENT PACKAGE
3. DISPOSABLE FILTER.
4. ANTI-SHORT CYCLE TIMER.
5. INDOOR FAN DELAY KIT.
6. DISCONNECT SWITCH PROVIDED BY ELECTRICAL SUBCONTRACTOR AT BOTH THE INDOOR AND OUTDOOR UNIT. REFER TO THE ELECTRICAL DOCUMENTS.
7. MOUNT OUTDOOR HEAT PUMP ON CONCRETE HOUSEKEEPING PAD. PAD SHALL BE A MINIMUM 4" THICK AND SHALL EXTEND 6" BEYOND UNIT ON ALL SIDES.

FAN SCHEDULE												
MARK.	DUTY	TYPE	CFM	E.S.P. (IN WG)	MOTOR (W / hp)	DRIVE	MAX. NOISE (SONES)	CONTROL BY	BASIS OF DESIGN MODEL	REMARKS		
										1	2	3
EF-A	EXHAUST	CEILING CABINET	210	0.5	240	DIRECT	4.0	SWITCHED WITH LIGHTS	GREENHECK SP	X	X	X
NOTES (APPLY TO ALL):						REMARKS (APPLY AS SCHEDULED):						
A. SEE ELECTRICAL PLANS FOR POWER CHARACTERISTICS						1. FAN SPEED CONTROLLER.						
B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE						2. FACTORY DISCONNECT SWITCH/PLUG.						
ALTERNATES SHALL BE BY LOREN-COOK, TWIN-CITY, PENN BARRY.						3. GRAVITY BACKDRAFT DAMPER.						

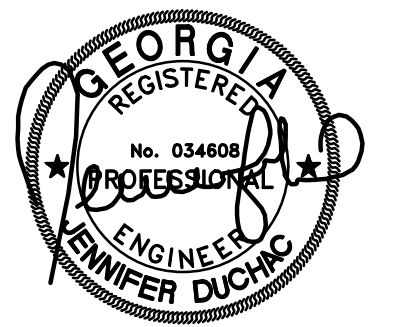
GENERAL NOTES	
A.	EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.
B.	DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
C.	SUPPLY AND RETURN DUCT TO BE ROUTED IN ATTIC SPACE ABOVE.

## KEYNOTES

- ① 3/4" DOOR UNDERCUT.
- ② TRAP & ROUTE 1 1/2" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN JANITOR CLOSET.



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Fairville, GA 30512



## Revisions

Date	Description
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## EFFICIENT ENGINEERING

PROJECT # 121208

## Conclusions

honor

Smith

rench &

Jarbeau

the Practice of **Architecture**

Atlanta, Georgia  
303

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1102

## FLOOR PLAN

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## VII. CONCLUSION













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[illegible]

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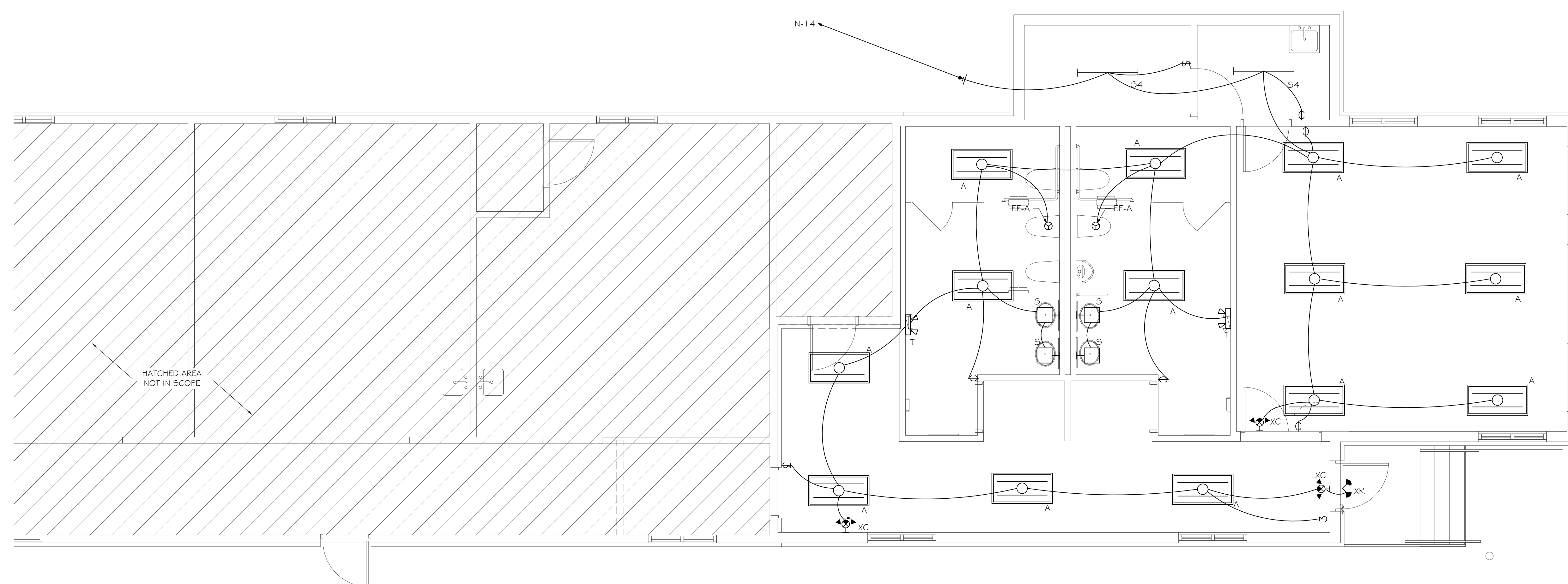
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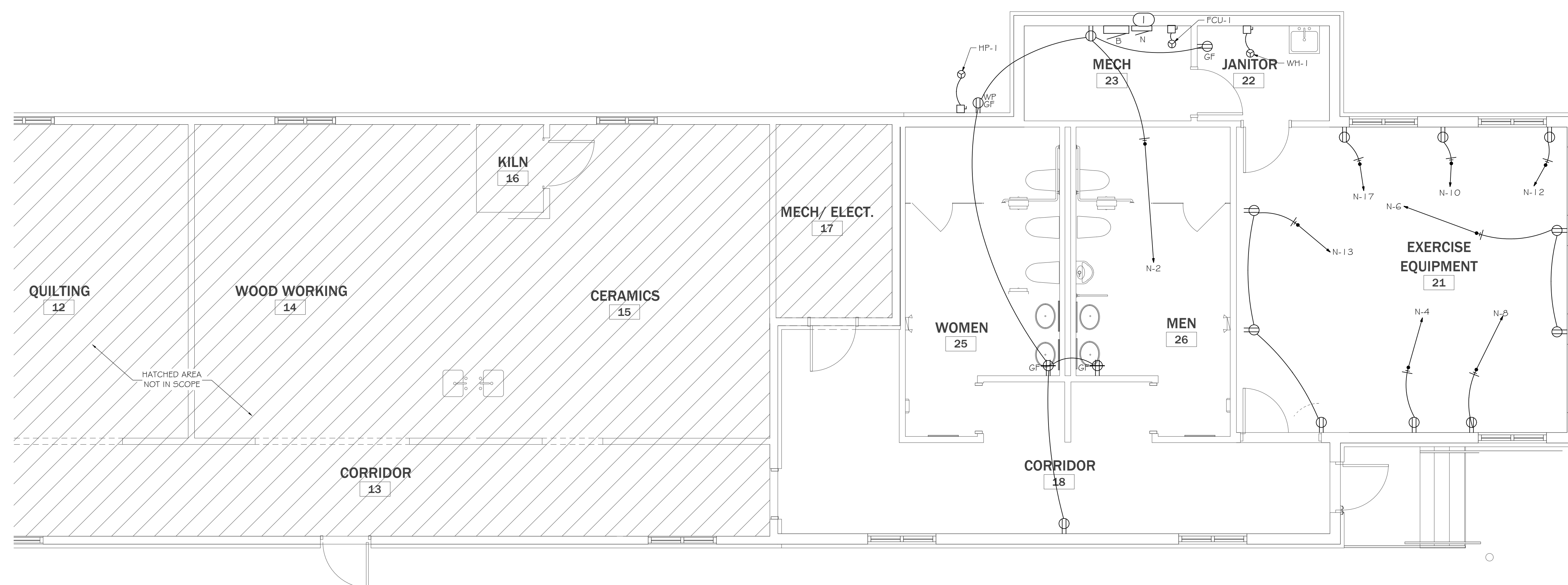
: FLOOR PLAN

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



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

GENERAL NOTES

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.

PROVIDE UNSWITCHED HOT LEG OF CIRCUIT TO EMERGENCY LIGHTING AND EXIT SIGNS.

ALL CABLES AND WIRES BEING ROUTED IN PLENUM SPACES NOT IN CONDUITS SHALL BE PLENUM RATED.

NO SCOPE IN HATCHED REGION.

CLEAN AND REPAIR EXISTING ITEMS TO REMAIN. ALL ITEMS NEED TO BE TESTED FOR FUNCTIONALITY AND REPLACED IF FAULTY. ANY DAMAGED ITEMS WILL NEED TO BE REPLACED.

CONTRACTOR SHALL VERIFY EXISTING CIRCUITING, SPARE BREAKERS, SPACES, AND EXISTING EQUIPMENT AND DEVICES TO REMAIN PRIOR TO COMMENCING WORK.

ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY ARTICLE 250-146.

CONTRACTOR SHALL INSTALL RECORDING AMMETER ON FEEDER CONDUCTORS SERVING PANELS TO DETERMINE ACTUAL EXISTING LOAD IN ACCORDANCE WITH NEC ARTICLE 220.87(1). METER SHALL BE CAPABLE OF CONTINUOUSLY RECORDING THE AVERAGE POWER REACHED AND MAINTAINED FOR 15 MINUTE INTERVAL, FOR A MINIMUM DURATION OF 30-DAYS PRIOR TO COMMENCING WORK.

CONTRACTOR TO FIELD COORDINATE EXACT LOCATION IN EXERCISE ROOM FOR GYM EQUIPMENT THAT NEEDS ELECTRICAL POWER. CONTRACTOR TO COORDINATE EXACT REQUIREMENT WITH ACTUAL EQUIPMENT INSTALLED.

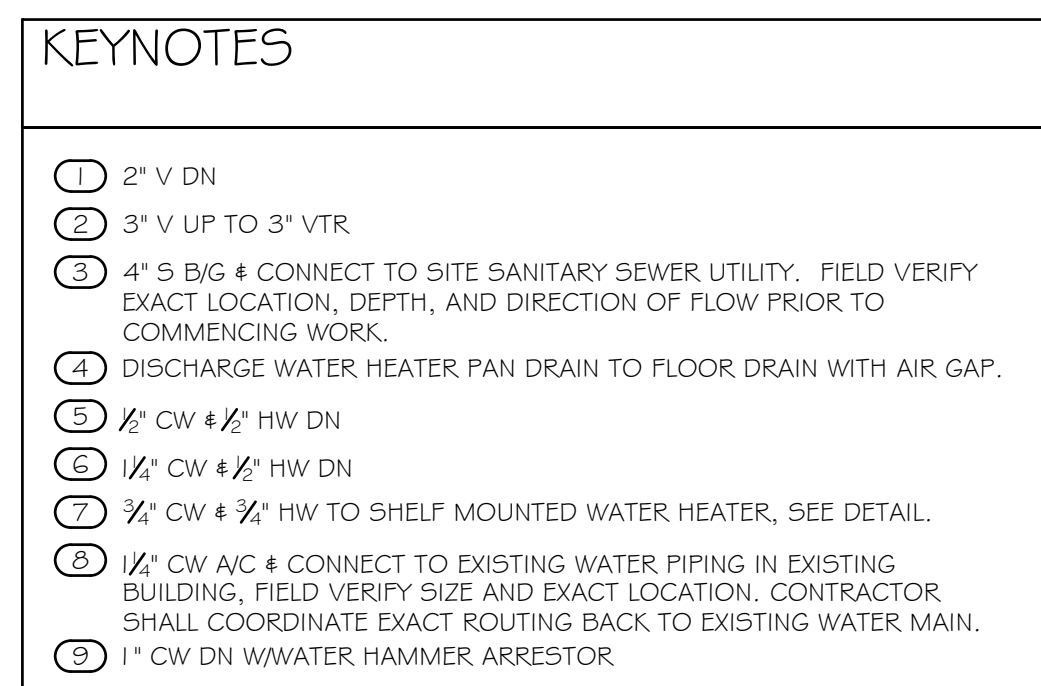
## KEYNOTES

- (1) NEW DISTRIBUTION PANEL. FIELD COORDINATE EXACT LOCATION.









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