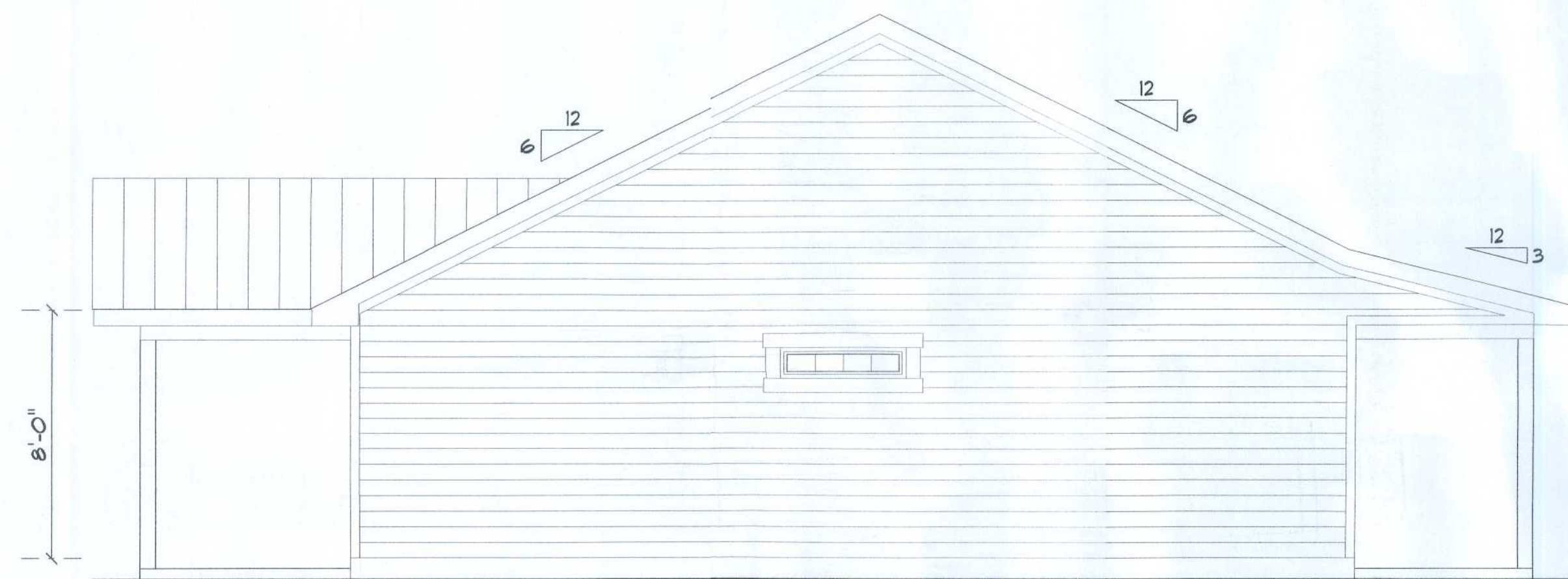


FRONT ELEVATION
SCALE: 1/4" = 1'-0"

ROOF VENTILATION:
R806.2 Minimum vent area.
The minimum net free ventilating area shall be 1/150 of the area of the vented space.
Exception: The minimum net free ventilation area shall be 1/300 of the vented space provided one or more of the following conditions are met:
1. In Climate Zones 6, 7 and 8, a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.
2. At least 40 percent and not more than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space.
Upper ventilators shall be located no more than 3 feet below the ridge or highest point of the space, measured vertically, with the balance of the required ventilation provided by soffit or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet below the ridge or highest point of the space shall be permitted.



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



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

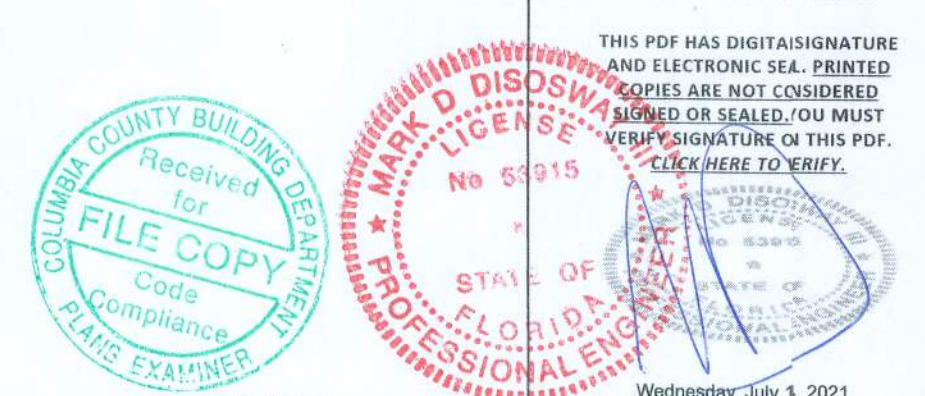


REAR ELEVATION
SCALE: 1/4" = 1'-0"

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PROJECT ADDRESS:
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Columbia County, FL

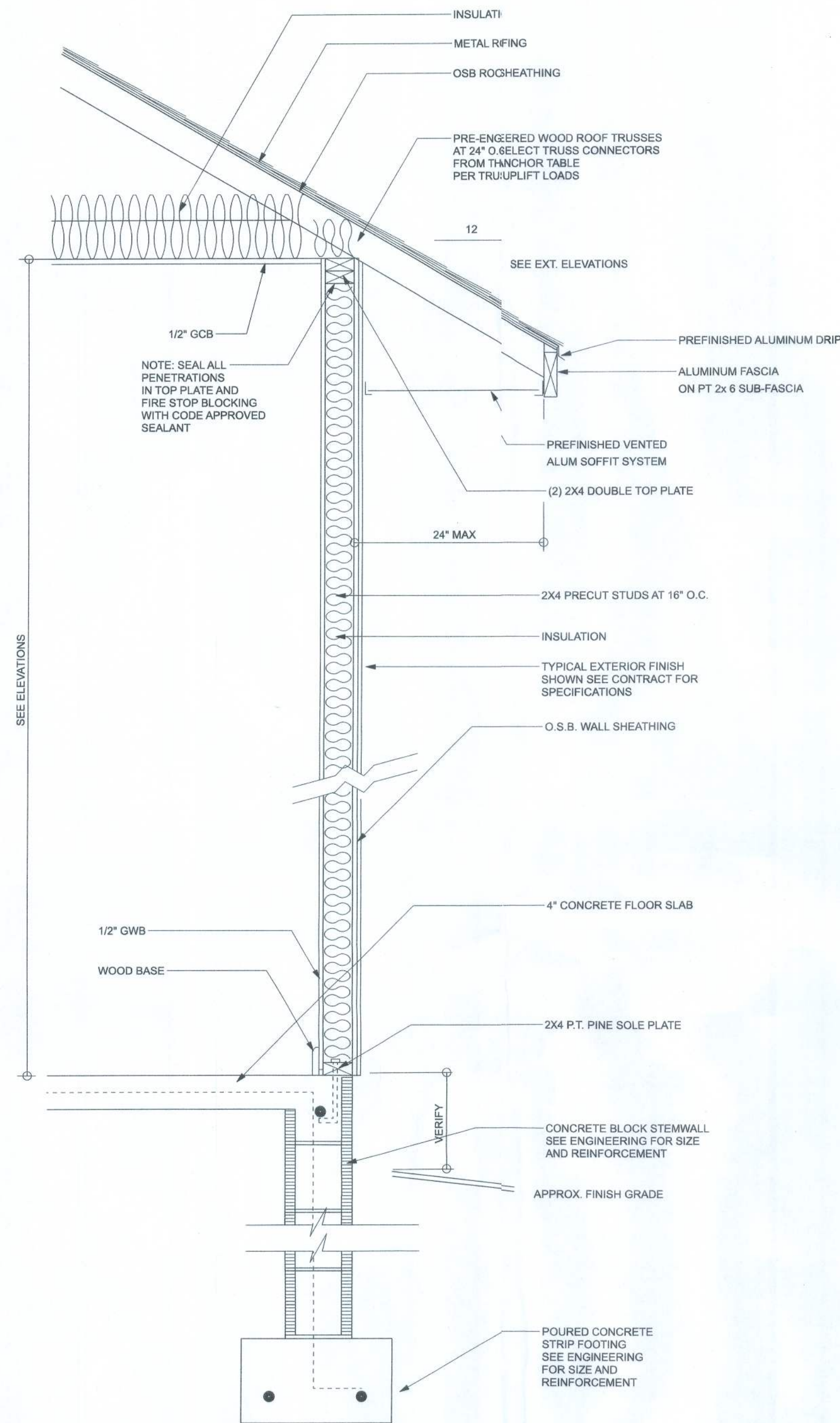
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LIMITATION: This design is valid for one building, at specified location.

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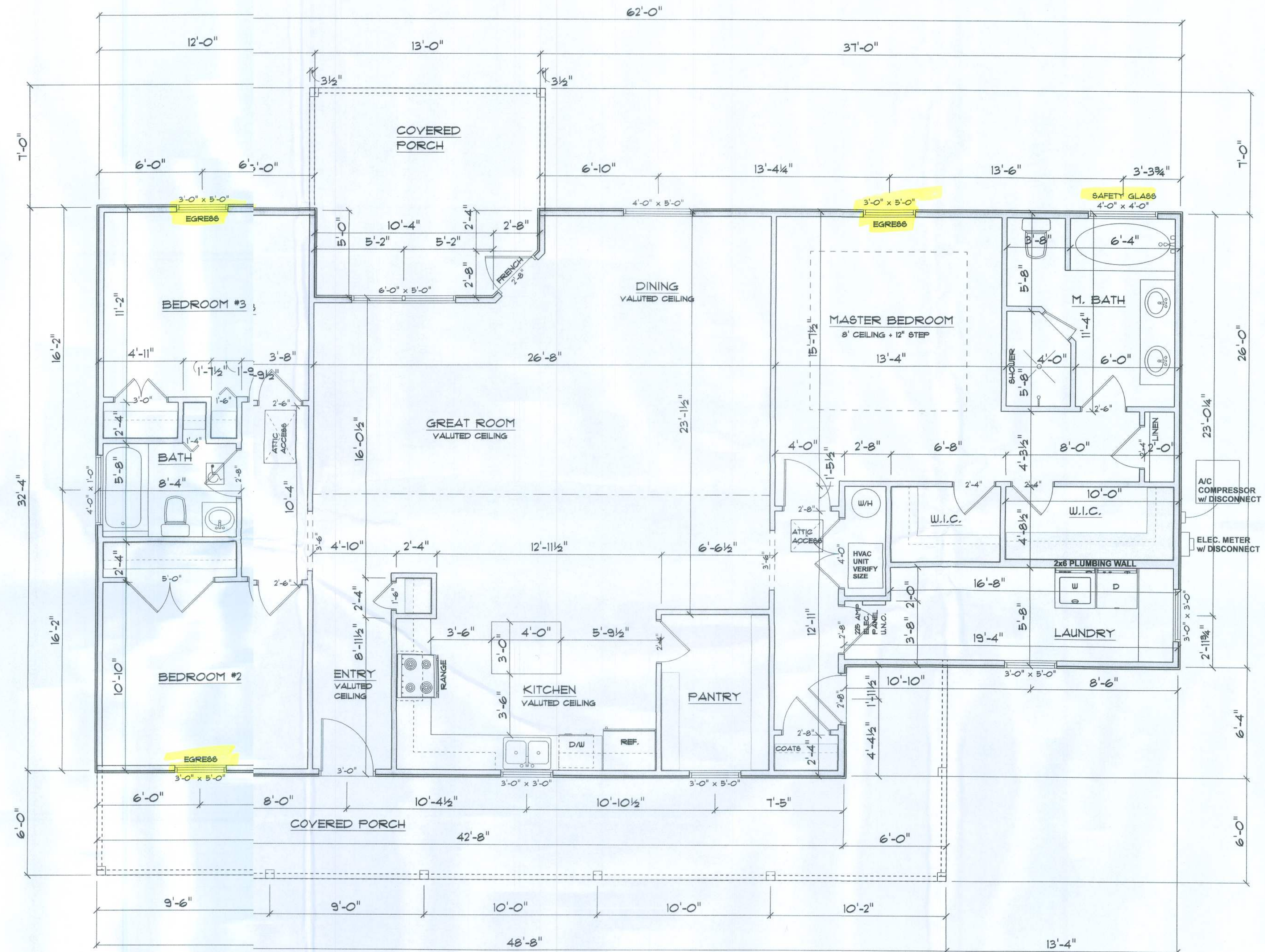
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200777
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OF 6 SHEETS



**TYPICAL DESIGN WALL SECTION
NON - STRUCTURAL DATA**

SCALE: 1" = 1'-0"



FLOOR PLAN

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

ALL CEILING HEIGHTS TO BE 8'-0" UNLESS NOTED OTHERWISE

AREA SCHEDULE	
NAME	AREA
Living	1820.8 sq. ft.
Rear Porch	156.5 sq. ft.
Front Porch	330 sq. ft.
Total Under Roof	2307.3 sq. ft.

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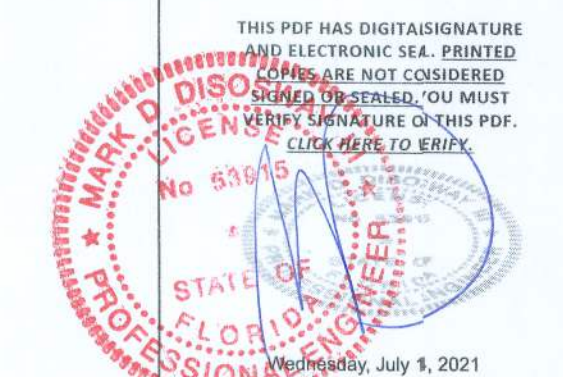
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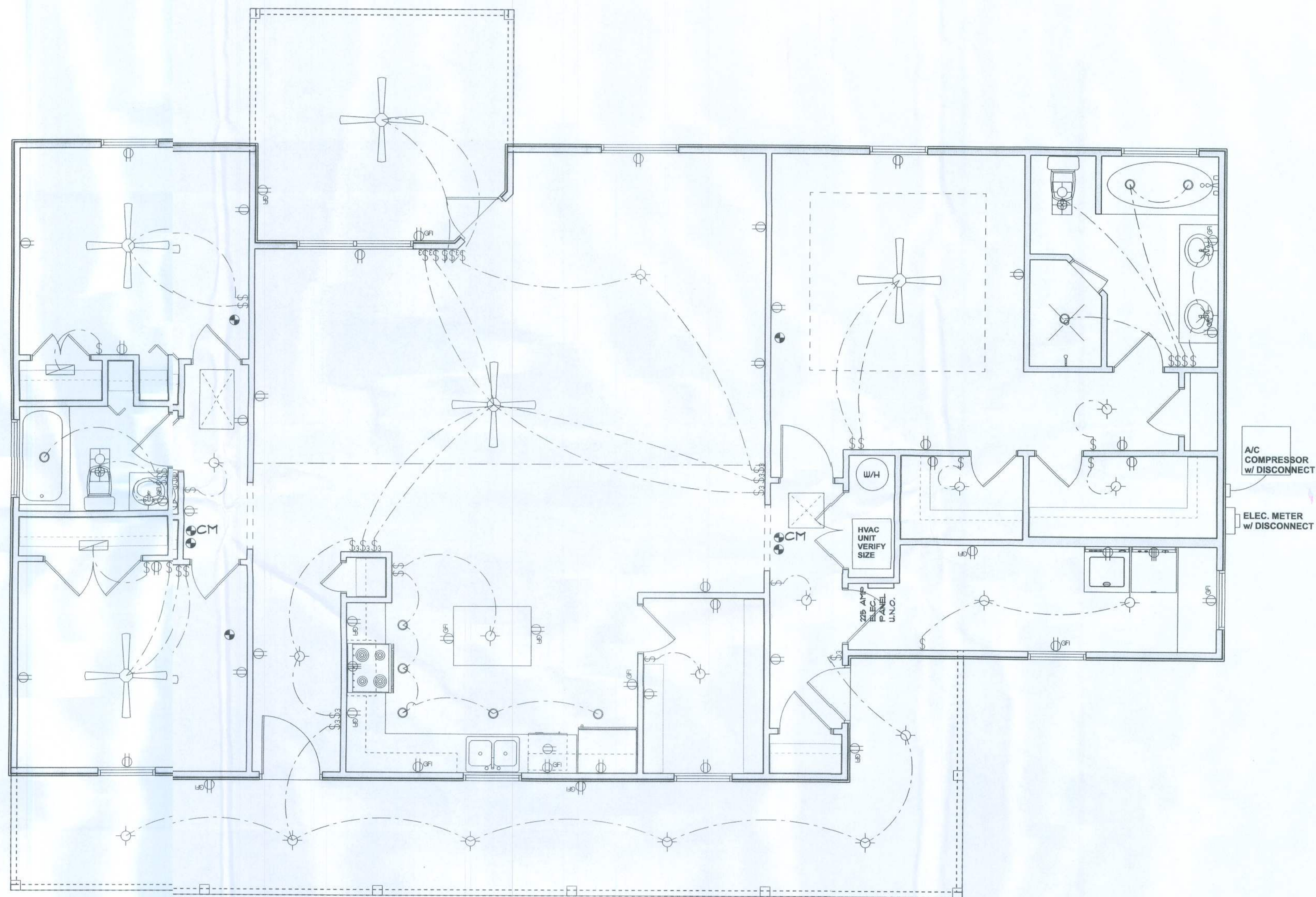
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ELECTRICAL PLAN NOTES:	
E-1	WIRE ALL APPLIANCES, HVAC UNITS & OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
E-2	CONSULT THE OWNER FOR THE NUMR OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
E-3	ALL INSTALLATIONS SHALL BE PER N.E.C. ELEC. CODE.
E-4	ALL SMOKE DETECTORS SHALL BE 12 V BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALLED IN AND NEAR ALL BEDROOMS.
E-5	TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS R THE OWNERS DIRECTIONS, & IN ACCORDANCE W/ FLORIDA ELEC. CODE, LATEST EDITION.
E-6	ELECTRICAL CON'TR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
E-7	ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COM'Y.
E-8	ALL 120-VOLT, SINGLE-PHASE, 15-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN KITCHEN, DINING ROOMS, LIVING ROOMS, BATHS, LIBRARIES, BEDROOMS, SUN ROOMS, RECREATION ROOMS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
E-9	ALL OUTLETS TO BE LOCATED ABOVE THE FLOOD ELEVATION.
E-10	A SERVICE DISCONNECT WITH OVERCURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF BUILDING, ON THE LOAD SIDE OF THE METER, AT THE P.E. ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS IF NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
E-11	CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AT ATTACHED GARAGE.
E-12	ALL OUTLETS LOCATED IN RESIDENT TO BE TAMPER-RESISTANT PER NEC.
E-13	A MINIMUM OF 75% OF PERMANENTLY INSTALLED LAMPS OR LIGHTING FIXTURES SHALL BE HIGH RICHART FBC EC SEC. 1404.1

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIC KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIC
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLE
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITC
	4 WAY WALL SWITC
	WATER PROOF GFI TLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPER
	CARBON MONOXIDE ALARM



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

A/C COMPRESSOR
w/ DISCONNECT
ELEC. METER
w/ DISCONNECT

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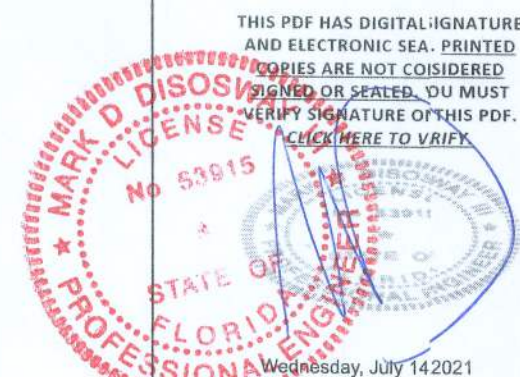
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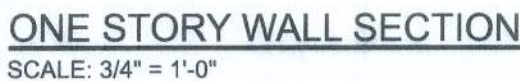
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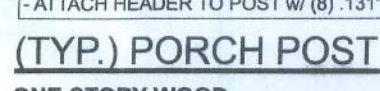
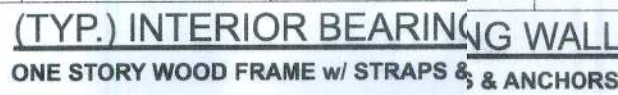
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JOB NUMBER:
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OF 6 SHEETS



Note: For sheathing located a minimum of 4 feet from the perimeter edge of the r/o including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center ng panel edge and 6 inches on center along intermediate supports in the panel field. **Note:** This specifies the code minimum thickness of roof sheathing. The thickness of the sheathing may not be increased based in the type of roofing material being used. See manufacturer Florida product approval.



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

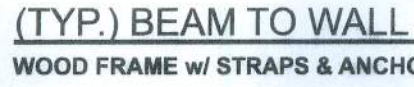
GRADE & SPECIES TABLE			
		Fb	E
2x8	SP #2	925	1.4
2x10	SP #2	800	1.4
2x12	SP #2	750	1.4
GLB	24F-V3 SP	2600	1.9
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2950	2.0
PSL	PARALAM	2900	2.0

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR,
IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN

(TYP.) INTERSECTING WALL FRAMING
WOOD FRAME

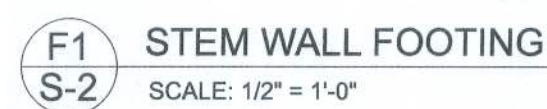


SILL PLATE SPANS FOR 10'-0" WALL HEIGHT					
DESIGN WIND SPEED	MAX. SPANS FOR SPF #2				BASED ON WFCM TABLE A-3.23B
	(1) 2x4	(2) 2x4	(1) 2x6	(2) 2x6	
130 MPH EXP. C	5'-2"	7'-9"	7'-7"	11'-3"	FOR OTHER WALL HEIGHTS (H) SILL SPAN SHALL BE DIVIDED BY (H/10)



COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)			
EFFECTIVE WIND AREA (FT ²)	ZONE 4 INTERIOR	ZONE 5 END 4' FROM ALL OUTSIDE CORNER	
0 - 20	+25.6(Vasd) -27.8(Vasd)	+25.6(Vasd) -34.2(Vasd)	
0 - 20	+42.6(Vult) -46.2(Vult)	+42.6(Vult) -57(Vult)	
GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C)			
9x7 GARAGE DOOR	+22.6(Vasd) -25.5(Vasd)		
16x7 GARAGE DOOR	+21.7(Vasd) -24.1(Vasd)		

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S-1
OF 6 SHEETS



TALL STEM WALL TABLE:

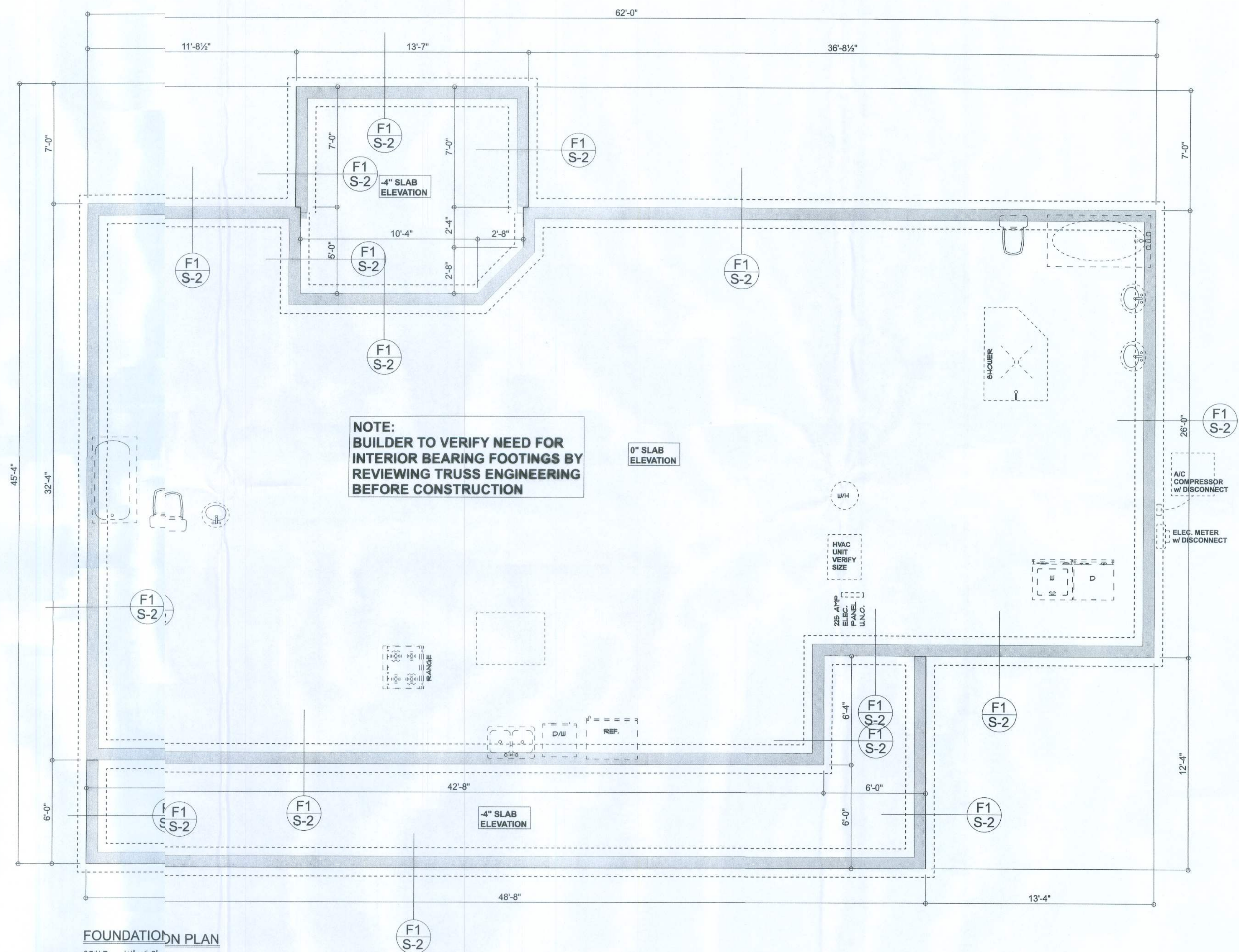
The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16" O.C. vertical bars on a horizontal bar with continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 6" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

ACI308.3R-02 Section		Specific Requirements
1.4A	Compressive strength	8" block bearing walls F'm = 1500 psi
2.1	Mortar	ASTM C 270, Type N, UNO
2.2	Grout	ASTM C 476, admixtures required approval
3.3	CMU standard	ASTM C 90 - 90 Normal weight, medium surface finish, 16"x16"x16" turning bond and 12"x12" for 16"x16"x16" column block
3.4	Glaze brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5x2.75x11.25
4.1	Reinforcing bars, #3 - #11	ASTM A 615, Grade 60, F_y = 40 ksi. Lap splices must be at least 25" for #6
2.4F	Coating for corrosion protection	Anchors, steel bar metal ties completely embedded in mortar or ASTM A 2525, Class G80, 0.60 oz/cu ft or 304SS
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, steel metal ties not completely embedded in mortar or mortar, ASTM A155, Class B, 1.50 oz/cu ft or 304SS
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7	Movement joints	Contractor assumes responsibility for type and location of movement joints if not indicated on project drawings

**BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF
12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL**



FOUNDATION PLAN

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

FO: FOUNDATION NOTES

FOUNDATION NOTES	
FN-1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REVIEW ALL FOUNDATIONAL DIMENSIONS FOR ACTUAL DIMENSIONS. RECESSES IN SLAB, STAIRS, ETC. DISOWAY DESIGN GROUP OR MAY BE CONSIDERED NECESSARY FOR DIMENSION REVISIONS ON THIS PLAN.
FN-2	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (BY THE SUPPLIER) REVIEWING THE ROOF TRUSS PLAN AND INTERIOR BEARING WALLS ON INTERIOR ROOF PLAN.
FN-3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ 1" DEPTH CHAIRS AND WELDED WIRE MESH PLACED ON CHAIRS. POLY VAPOR BARRIER W/ 6" LAPS SEaled ON TOP. (ALSO, ANY OTHER UNAPPROVED THERMATE/COMPACTED FILL METHOD CAN BE USED.)

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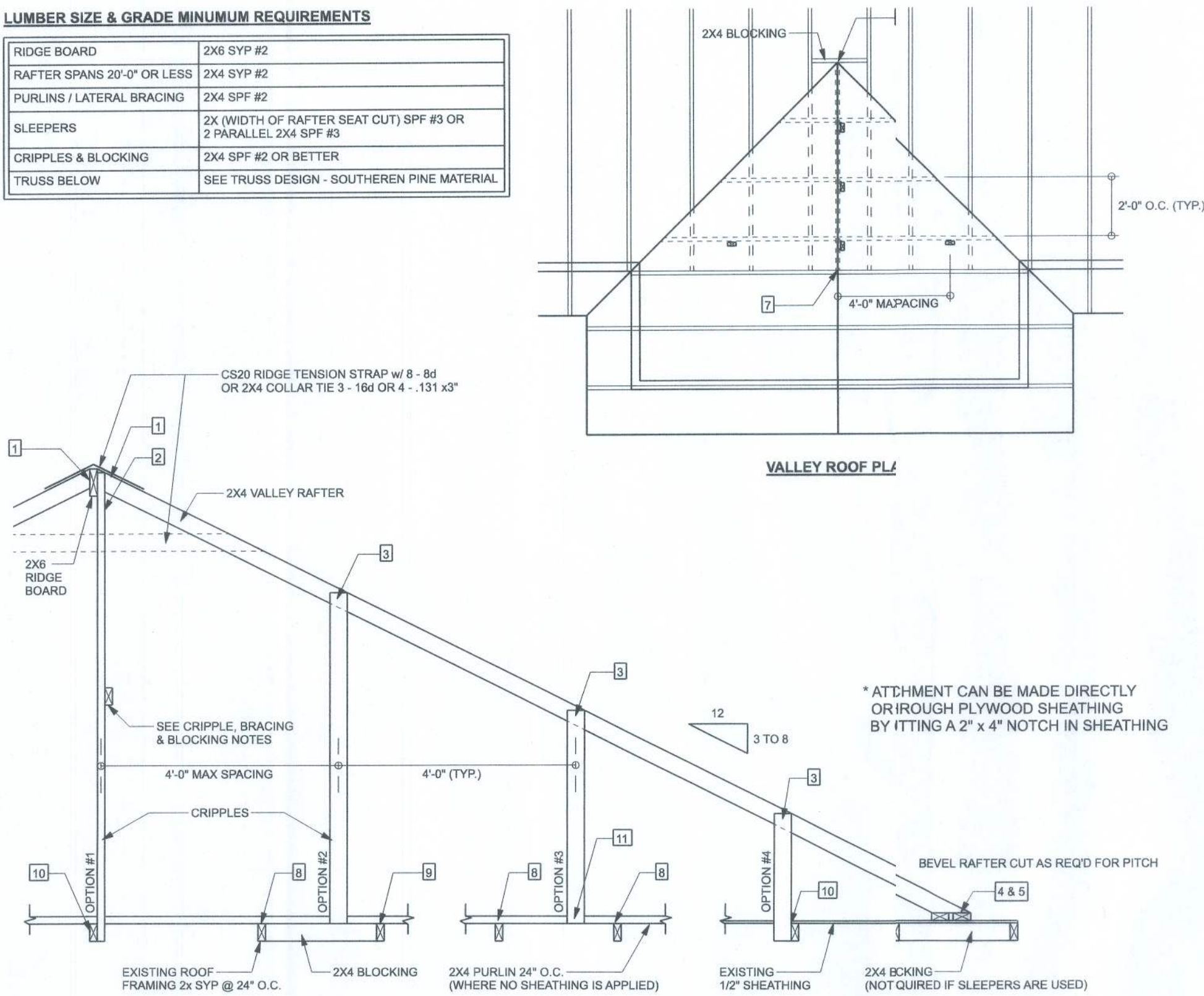
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S-2
OF 6 SHEETS

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SPF #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SPF #3 OR 2 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



SECTION CUT PARALLEL TO VALLEY RAFTER

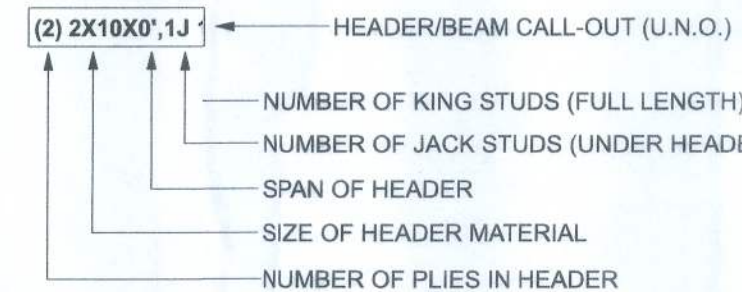
ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.

STRUCTURAL PLAN NOTES

- SN-1 ALL LID BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SP #2 (U.N.O.)
- SN-2 ALL LID BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH DE (U.N.O.)
- SN-3 ALL HIDERS w/ UPLIFT TO BE STRAPPED DOWN @ EACH SIDE WITH LSTA24, 14-10g @ TOP & BOTTOM OF WALL. WRAP AROUND BOTTOM PLATE & OVER TOP PLATE. 1/2" X 1" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
- SN-4 USE (E) JACK STUD GIRDER SUPPORT PER 2500 LB LOAD
- SN-5 DIMENSIONS ON STRUCTURAL SHEETS ARE AT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-6 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATER BRACING IS TO BE RESTRAINED PER BCSI-03. BCSI-1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FINISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

HEADER LEGEND

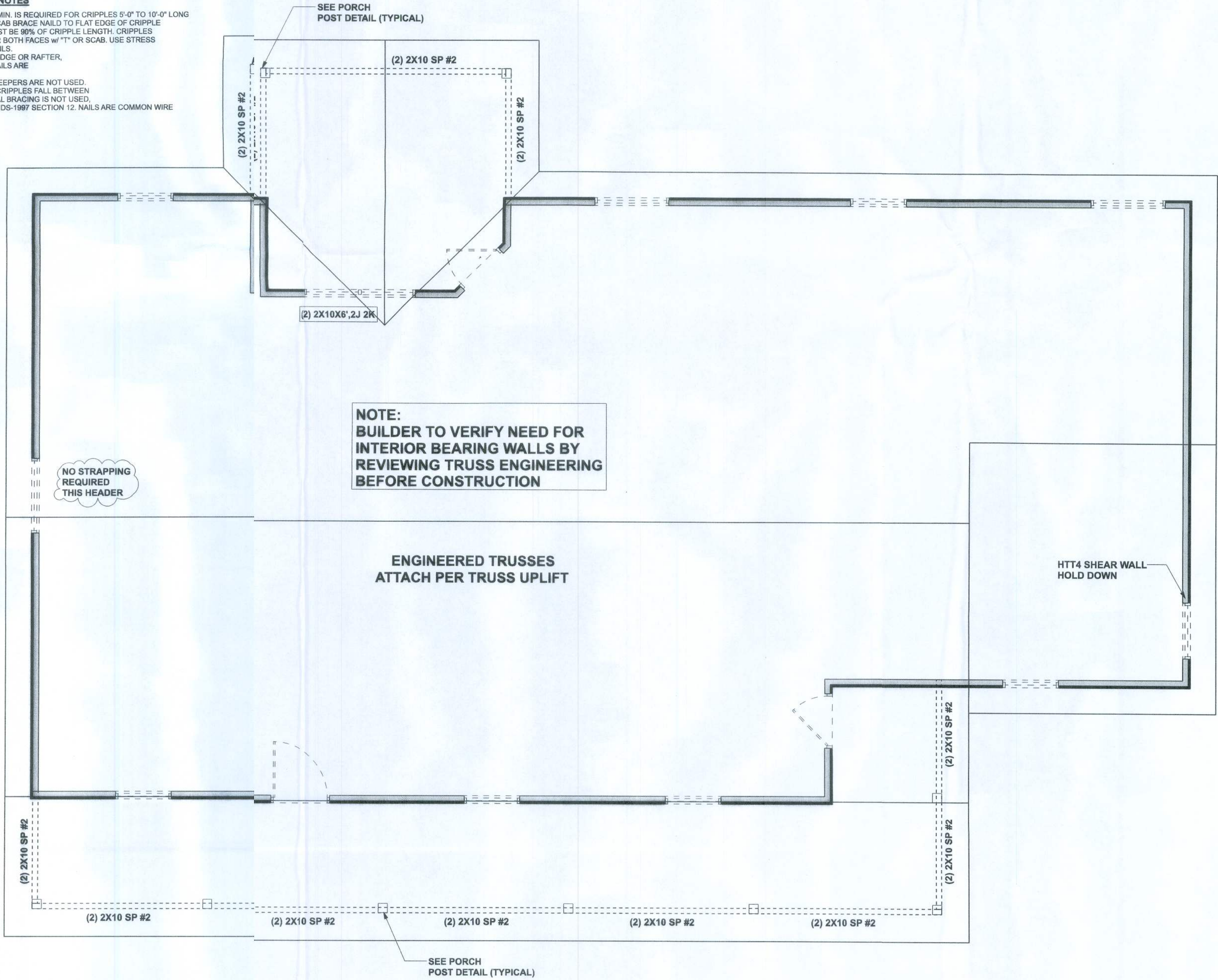


ACTUAL & REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	19797 LBF	21156 LBF
REQUIRED	14070 LBF	10135 LBF

STRUCTURAL PLAN

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



Johnson Res.

PROJECT ADDRESS:
OR 282
Columbia County, FL

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S-3
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