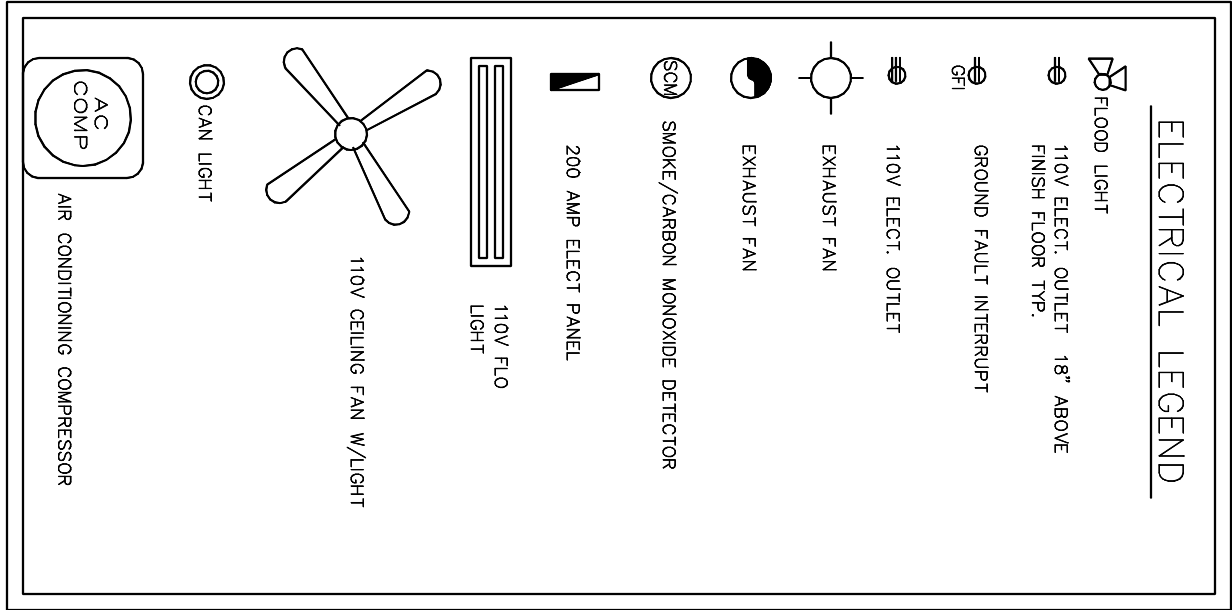




NOTES:

ALL WORK SHALL COMPLY WITH THE 2014 NEC AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES. ALL SMOKE DETECTORS TO BE WIRED TOGETHER TO ACTIVATE AS ONE UNIT. PROVIDE GFI OUTLETS AT BATHROOMS, KITCHEN, EXTERIOR AND ANY WET AREA OUTLETS. OUTLETS SUPPLYING POWER TO THE STOVE, RANGE, A/C, WATER HEATER, DRYER AND DISH WASHER ARE TO BE WIRED ON SEPARATE DEDICATED CIRCUITS.

Note:

THIS ELECTRICAL PLAN IS A SCHEMATIC WITH SUGGESTED SWITCH, RECEPTACLE AND LIGHT FIXTURE LOCATIONS, DUE TO VARYING LOCAL AND STATE CODES, REGULATIONS, AND STATUTES. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE CODES, REGULATIONS AND STATUTES.

ELECTRICAL NOTES:

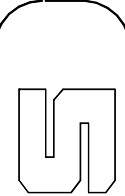
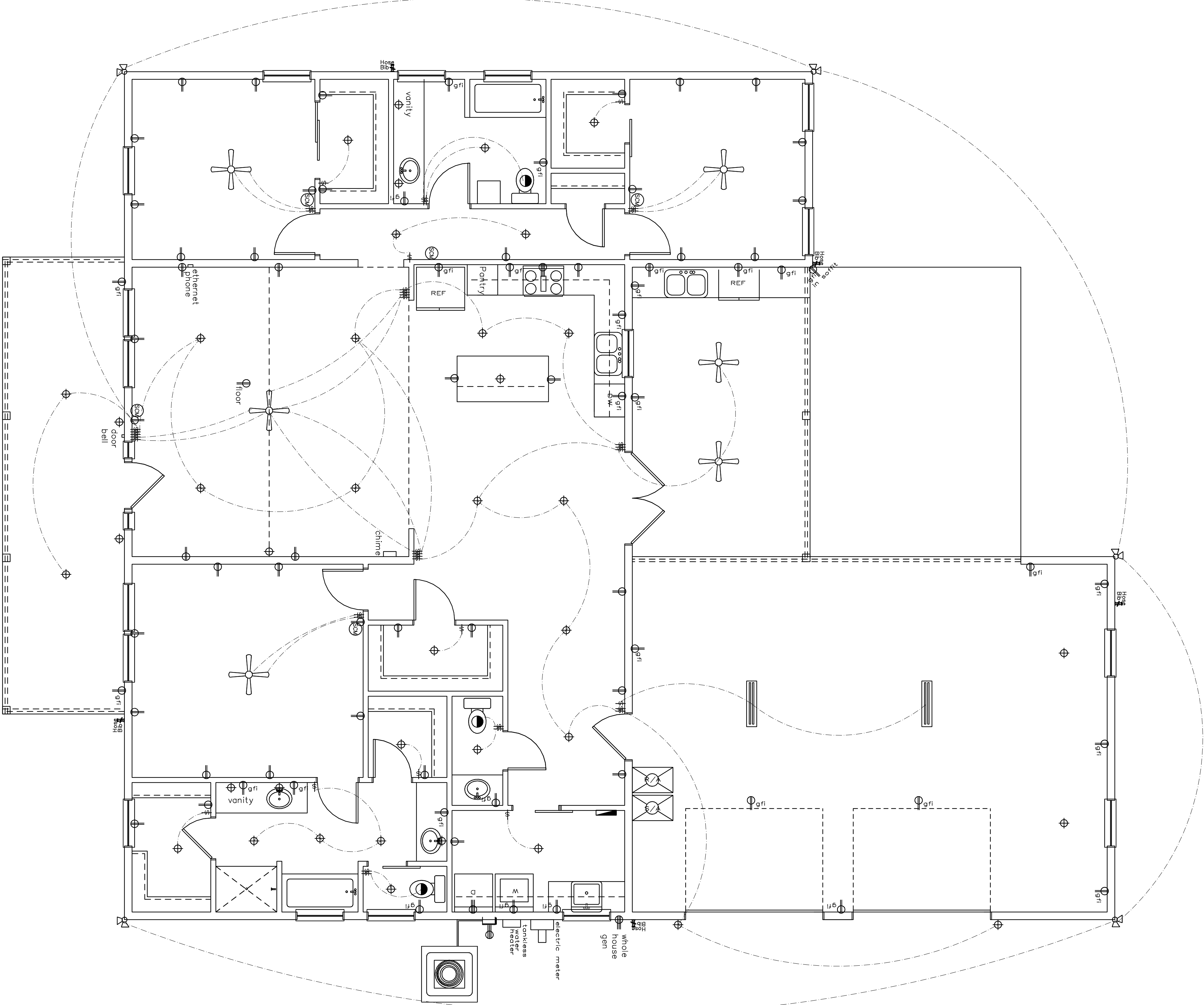
INSTALLATION SHALL BE PER 2017 NAT'L. ELECTRIC CODE. WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217. COMBINATION SMOKE AND CARBON MONOXIDE ALARM SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND 2034. R314.1.1

ANY BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE OR AN ATTACHED GARAGE SHALL HAVE CARBON MONOXIDE DETECTORS WITHIN 10' OF EACH ROOM USED FOR SLEEPING PURPOSES. R315.1

TELEPHONE, TELEVISION, AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, AND IN ACCORDANCE WITH APPLICABLE SECTIONS OF NEC-LATEST EDITION 2017 NEC. ALL BEDROOM RECEPTACLES SHALL BE AFCI. 2017 (ARC FAULT CIRCUIT INTERRUPT)

NOTE: ALL 15 AND 20 AMP BRANCH CIRCUITS THAT SUPPLY 120 VOLT OUTLETS IN HABITABLE ROOMS SHALL BE ARC FALT PROTECTED (AFCI)



ELECTRICAL

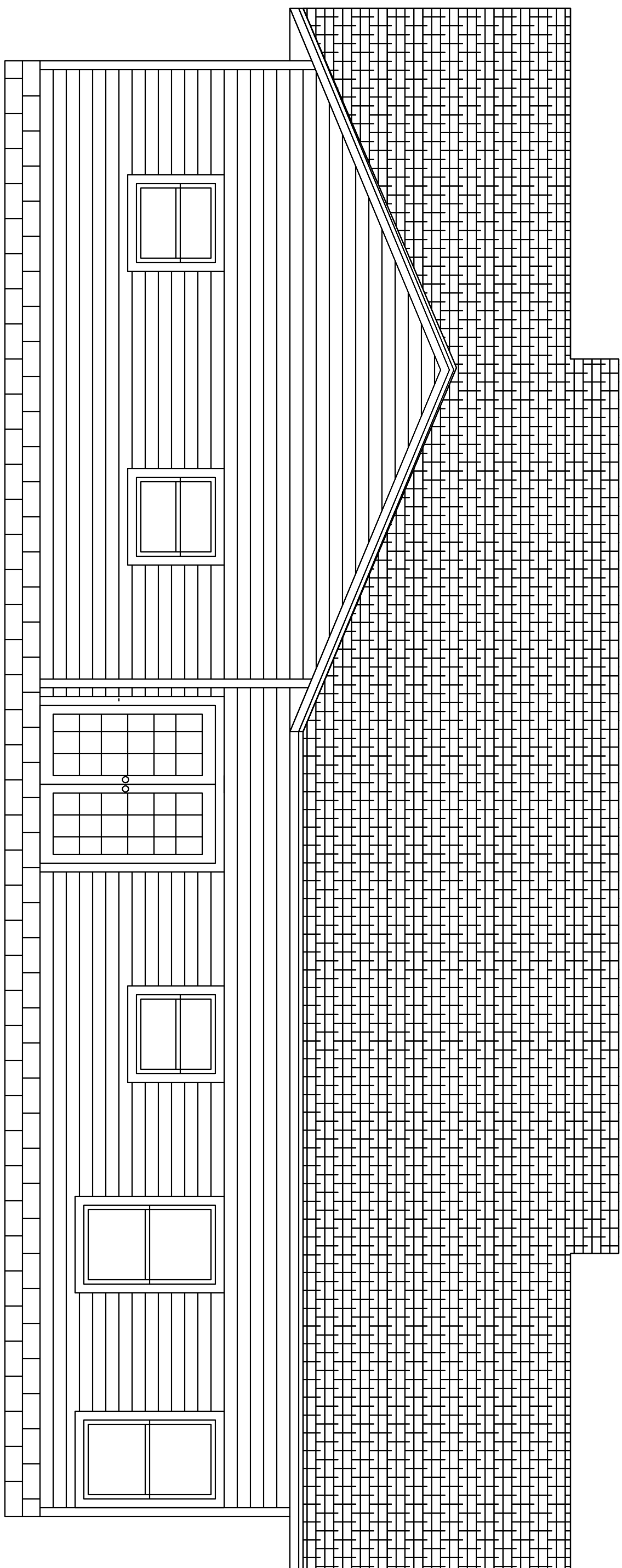
SCALE: 1/4"=1'-0"

HOPE RESIDENCE

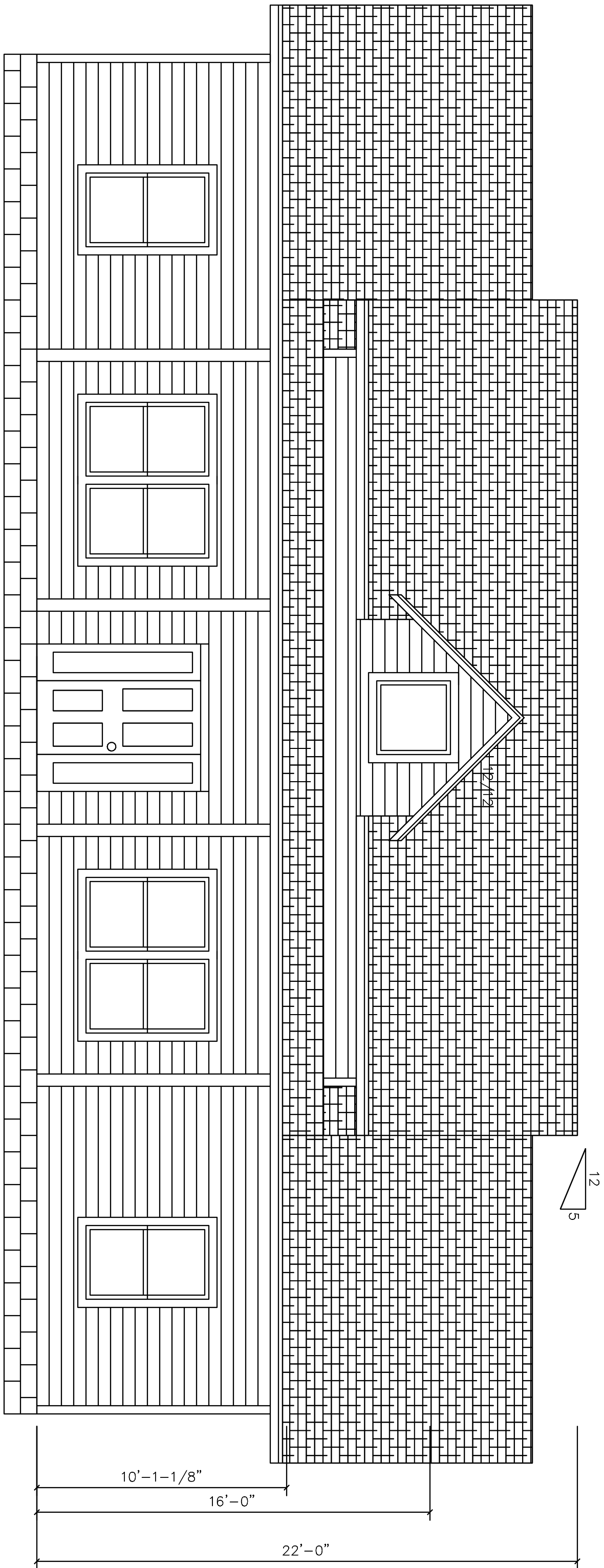
COLUMBIA COUNTY, FLORIDA

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ALACHUA, FLORIDA

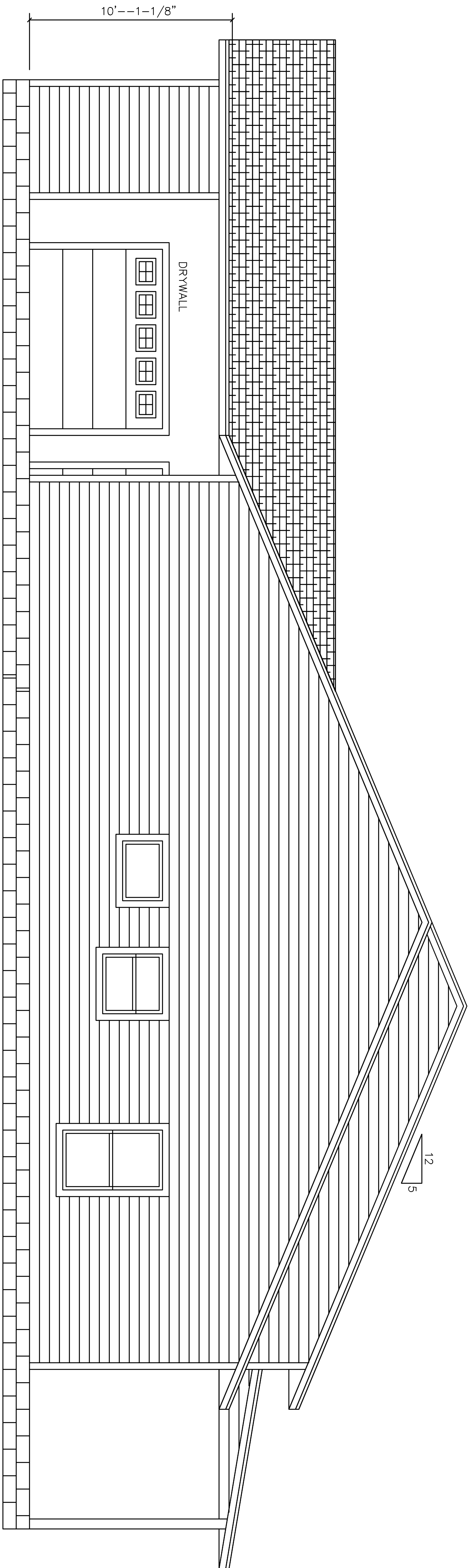
NOTE:
IT IS THE RESPONSIBILITY OF THE STATE LICENSED ARCHITECT TO ENSURE ALL ARCHITECTURAL AND STRUCTURAL DESIGNS TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES AND AUTHORITIES HAVING JURISDICTION.



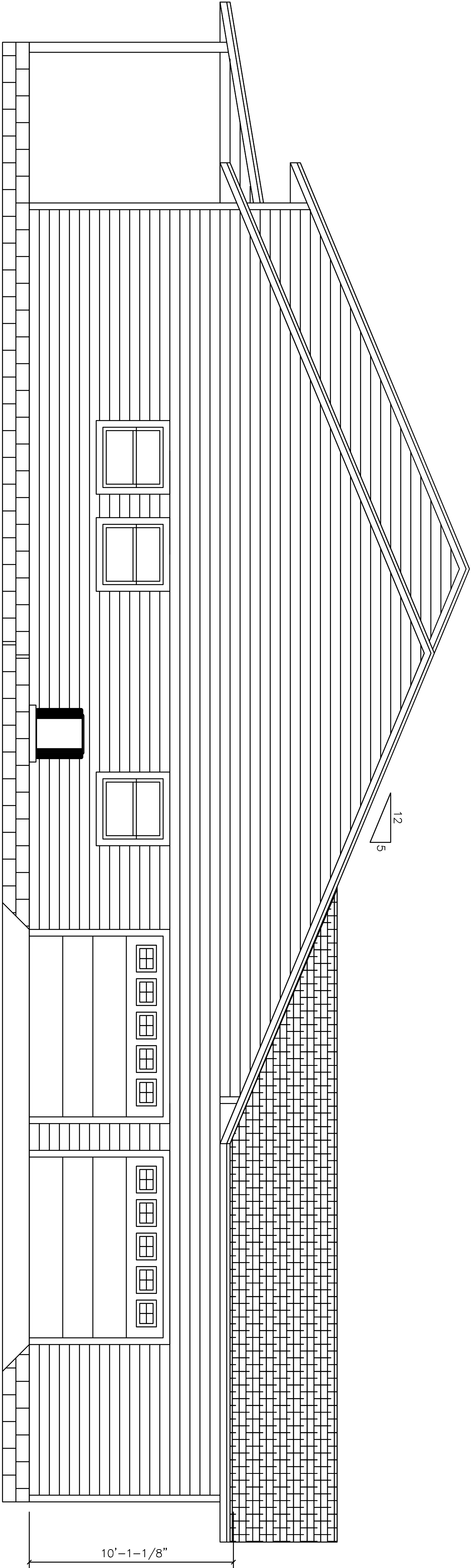
REAR ELEVATION



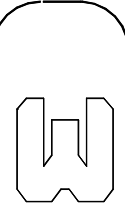
FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



ELEVATIONS

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

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NOTE:

FOUNDATION NOTES

4" THICK SLAB WITH FIBER MESH OR 6 x 6 W.W.M. OVER 6 MIL VAPOR BARRIER ON CLEAN TREATED 1500 P.S.F. FIBER MESH MAY BE USED. ALL STEEL MUST BE GRADE 40 MIN. 1500 P.S.F. SOIL BEARING PRESSURE MIN.

8" C.M.U. STEMWALL WITH (1) #5 REBAR VERTICAL FILLED CELL W/ CONCRETE AT ALL CORNERS AND 6 O.C. MAX. SPACING.

10" DEEP X 20" WIDE WITH (2) 5 REBAR CORN. STEMWALL FOOTING.

THICKEN EDGE OF MONOLITHIC SLAB TO 16" WIDE X 20" DEEP WITH (3) #5 REBAR CONTINUOUS.

Geotechnics to verify all dimensions, codes, and specifications for foundation and retaining jurisdiction.

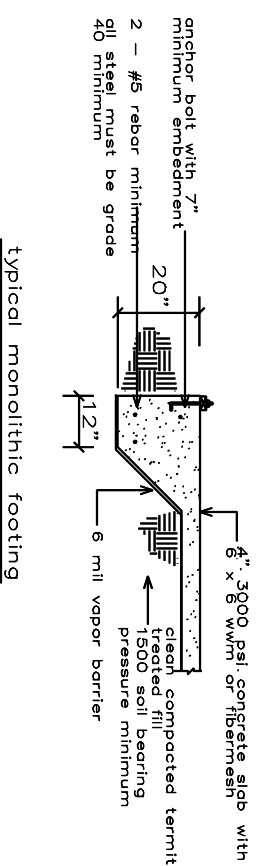
All steel must be grade 40 minimum.

Verify all footings with contiguous and T-russ common's truss layout.

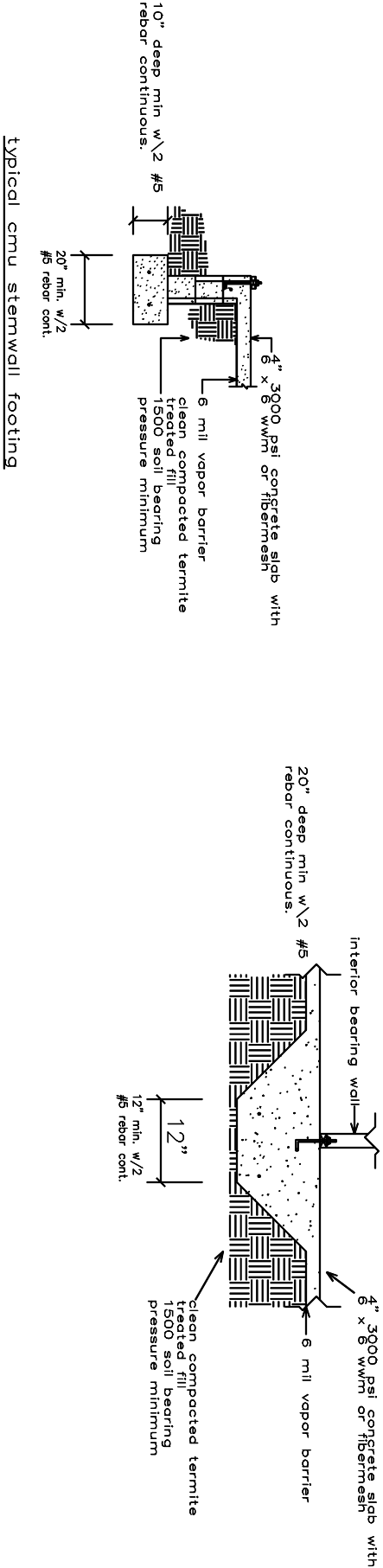
if soil conditions in this project do not meet or exceed the min. 1500 p.s.f. soil bearing capacity, the contractor is required to consult Schaefer Engineering prior to the foundation design. The design of the foundation design of the soil prior to the foundation design of the soil must be at least 90% of max. dry density as determined by ASTM-1557 (Modified Proctor).

CODE STATEMENT:

2020 FLORIDA RESIDENTIAL BUILDING CODE(7TH EDITION)



typical monolithic footing



typical cmu stemwall footing

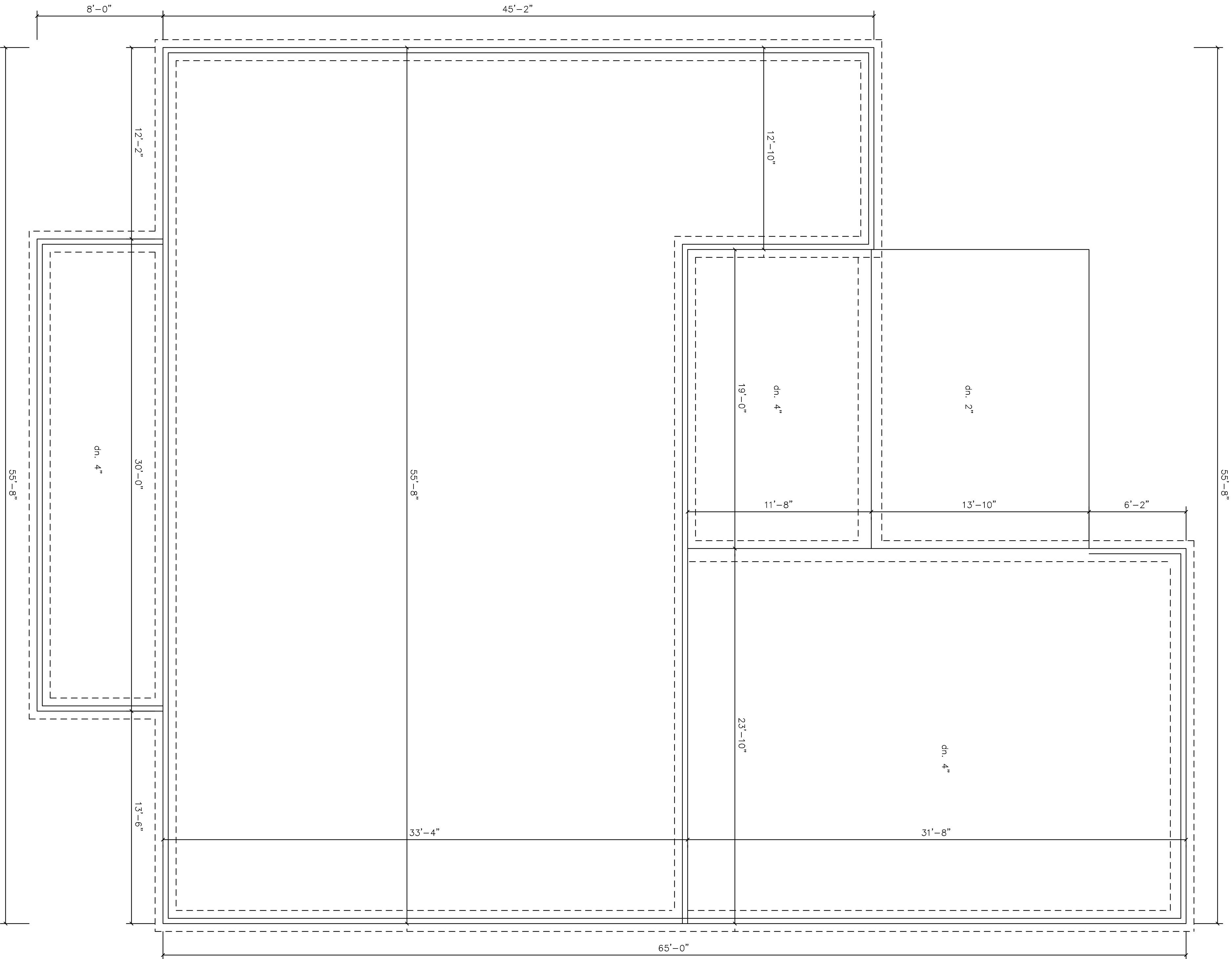
FOR LOADBearing WALL -
1/2" x 8" ANCHOR BOLTS WITH 2 X 2 X .140"
STEEL WASHER AT EACH END OF SEGMENT
AND AT 48" O.C.

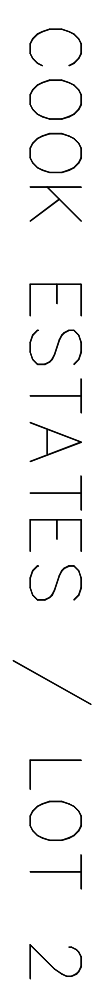
REFER TO WINDLOAD ANALYSIS FOR ANCHOR BOLT SPECIFICATION

2 X 4 P.T. SYP #2 SOLE PLATE

(2) #5 REBAR CONTINUOUS

TYPICAL STEPPED SLAB





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NOTE: IT IS THE RESPONSIBILITY OF THE STATE LICENSED CONTRACTORS TO VERIFY ALL DIMENSIONS, CODES AND STRUCTURAL DESIGNS TO COMPLY WITH ALL AUTHORITIES HAVING JURISDICTIONS.

TIE-DOWN TABLES

HEADER STRAPPING				
Uplift Lbs	Top Connector	Reeling Lbs	Bottom Connector	Reeling Lbs
to 400	LS1A19	630	H3	320
to 910	LS1A12	745	2-H3	640
to 1260	LS1A18	1110	LT118	1300
to 1760	2-LS1A12	1810	LT120	1760
to 2030	2-LS1A18	2230	HD2A-2.5	2160
to 2865	3-LS1A18	3255	HD2A-3.5	2865
to 3700	3-LS1A24	3850	HD3A-3	3730

Total line uplift per roof truss sitting on this header must divide by 2 to determine uplift loads.
Use proper and proper size straps and/or tie-downs to support required uplift loads.

TRUSSES \ ORDERS				
Uplift Lbs	Top Connector	Bottom Connector	Reeling Lbs	
to 835	H2.5A	NA		
to 1015	H10A	NA		
to 1215	TS22	LT119	1300	
to 1750	2-TS22	LT120	1760	
to 2070	2-TS22	HD2A	2775	
to 3665	3-TS22	HD3A	4010	
to 6420	2-ME17	LT122	5260	
to 8660	2-ME16	HD10A	8640	

Two 150 common ties/rods are required per truss for each truss elevation. The ties/rods must be installed in accordance with the manufacturer's instructions. The ties/rods must be installed in accordance with the manufacturer's instructions. The ties/rods must be installed in accordance with the manufacturer's instructions.

	TOP CONNECTION	BEARING LBS	BOTTOM CONNECTION	BEARING LBS
BEAM SEATS	LS1A18	1110	LT119	1300
POSTS	2-LS1A18	2220	ABU14	2300

1. Simpson or equivalent hardware may be used.
2. See truss engineering for anchor uplift values.
3. See truss engineering for anchor uplift values.
4. See truss engineering for anchor uplift values.
5. See truss engineering for anchor uplift values.

PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THE SUPPORTING WALLS OR FOUNDATION. THE TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NDS AS RECOMMENDED BY THE NFPA.

3. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED TO WITHSTAND THE DESIGN LOADS FOR ALL LOAD DURATION OF TPI RECOMMENDATIONS.

4. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE SPECIFIED BY THE TRUSS MANF.

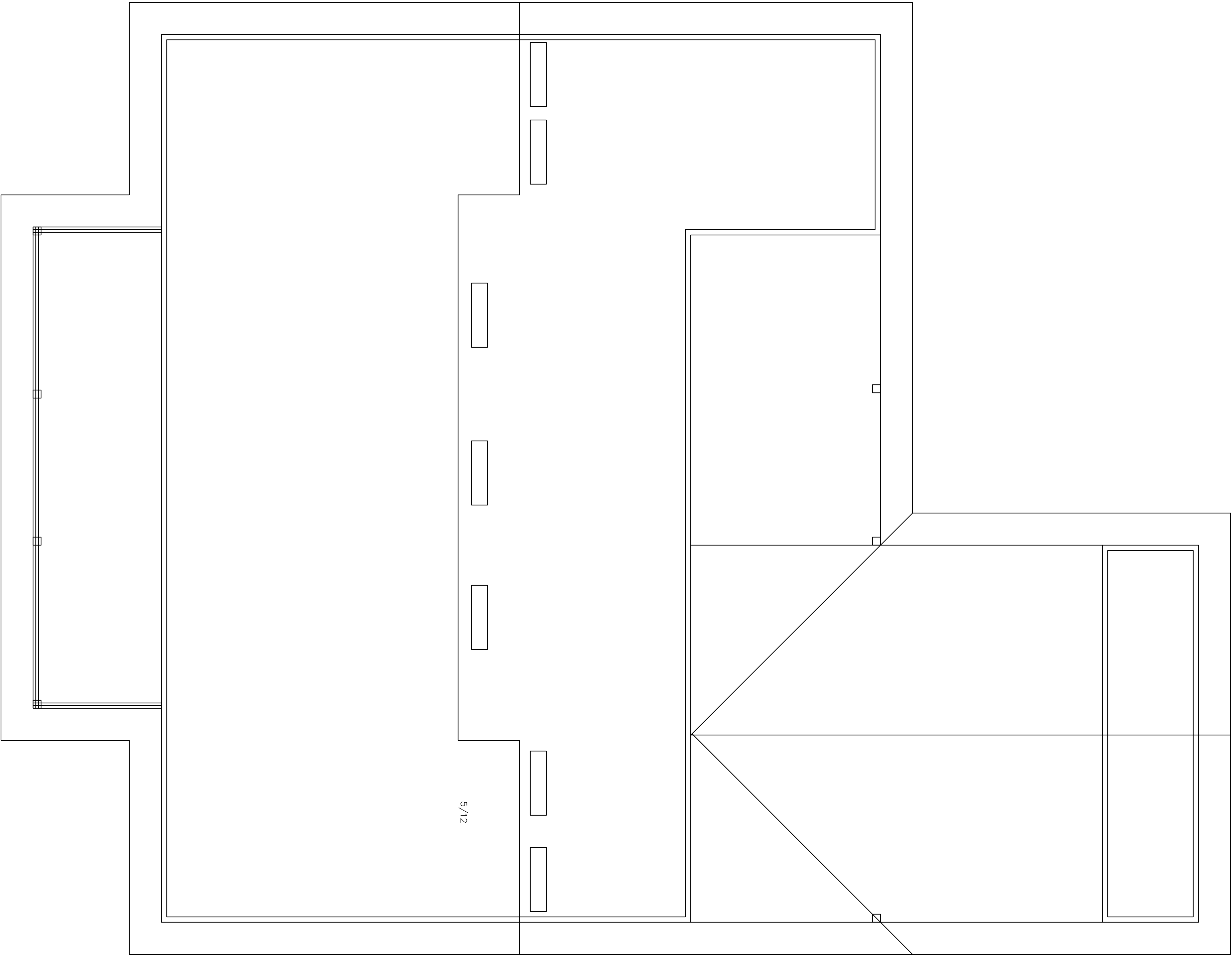
5. TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION ONLY. THE TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NDS AS RECOMMENDED BY THE NFPA.

6. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NDS AS RECOMMENDED BY THE NFPA.

7. PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANF. IN ACCORDANCE WITH SPECIFIED LOADS AND THE GOVERNING CODES. TRUSS MANF. SHALL DETERMINE ALL SPANS, BEARING POINTS AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS CONNECTORS.

1. UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS MANF. CONNECTORS, OR OTHERS ARE REQUIRED ON ALL TRUSSES IN WALLS THAT ARE EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS MAY NOT NEED TO HAVE CONNECTORS APPLIED, CONSULT THE TRUSS MANF. FOR THE CAPACITIES OF THE TRUSS CONNECTORS SPECIFIED BY TRUSS MANF. SHALL BE VERIFIED BY THE CONTRACTOR TO EXCEED THE LOADS IN THE SIGNED AND SEALED TRUSS ENGINEERING.

ROOF VENT CALCS	
SF	3187
VENT AREA	5.3
VENT REQ	7



ROOF LAYOUT

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

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