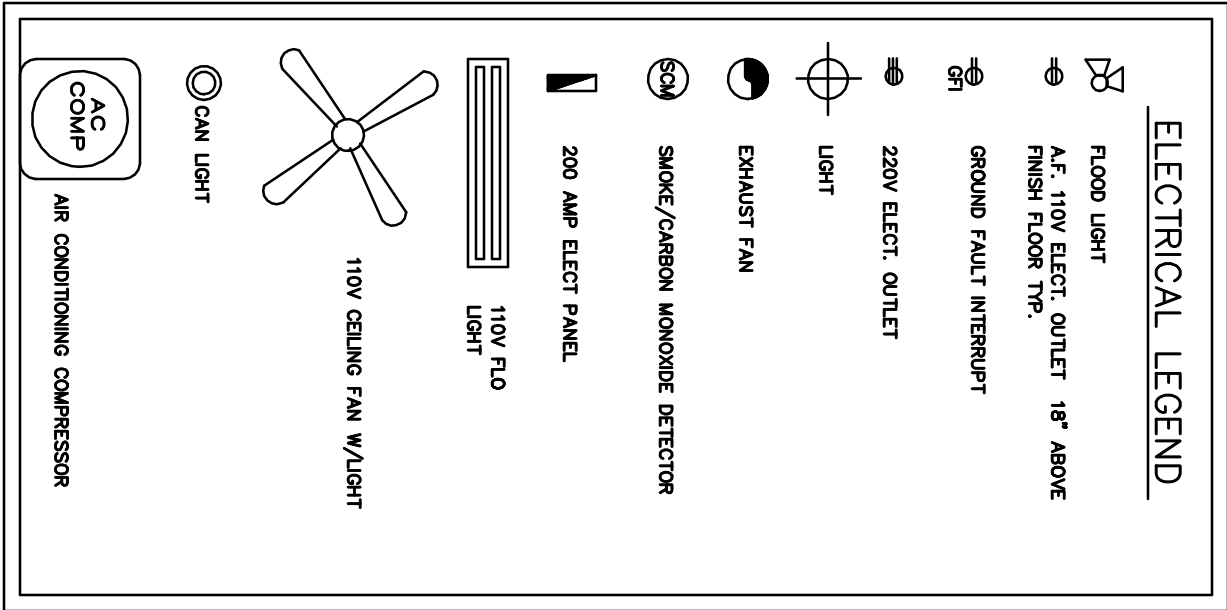




SMOKE DETECTORS TO BE WIRED W/ BATTERY BACK UP AS REQUIRED BY CODE. ALL OUTLETS TO BE CIRCUIT. WATER COOLING NEAR ALL EXTERIOR OUTLETS. ALL WATERPROOFING.

NOTES:
ALL WORK SHALL COMPLY WITH THE 2020 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, EXTENSION AND ANY WET AREA OUTLETS. OUTLETS SUPPLYING POWER TO THE STOVE, RANGE AND DISHWASHER SHALL BE WIRING TO SEPARATE CIRCUITS. ALL EXTERIOR OUTLETS TO BE WIRING TO 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.

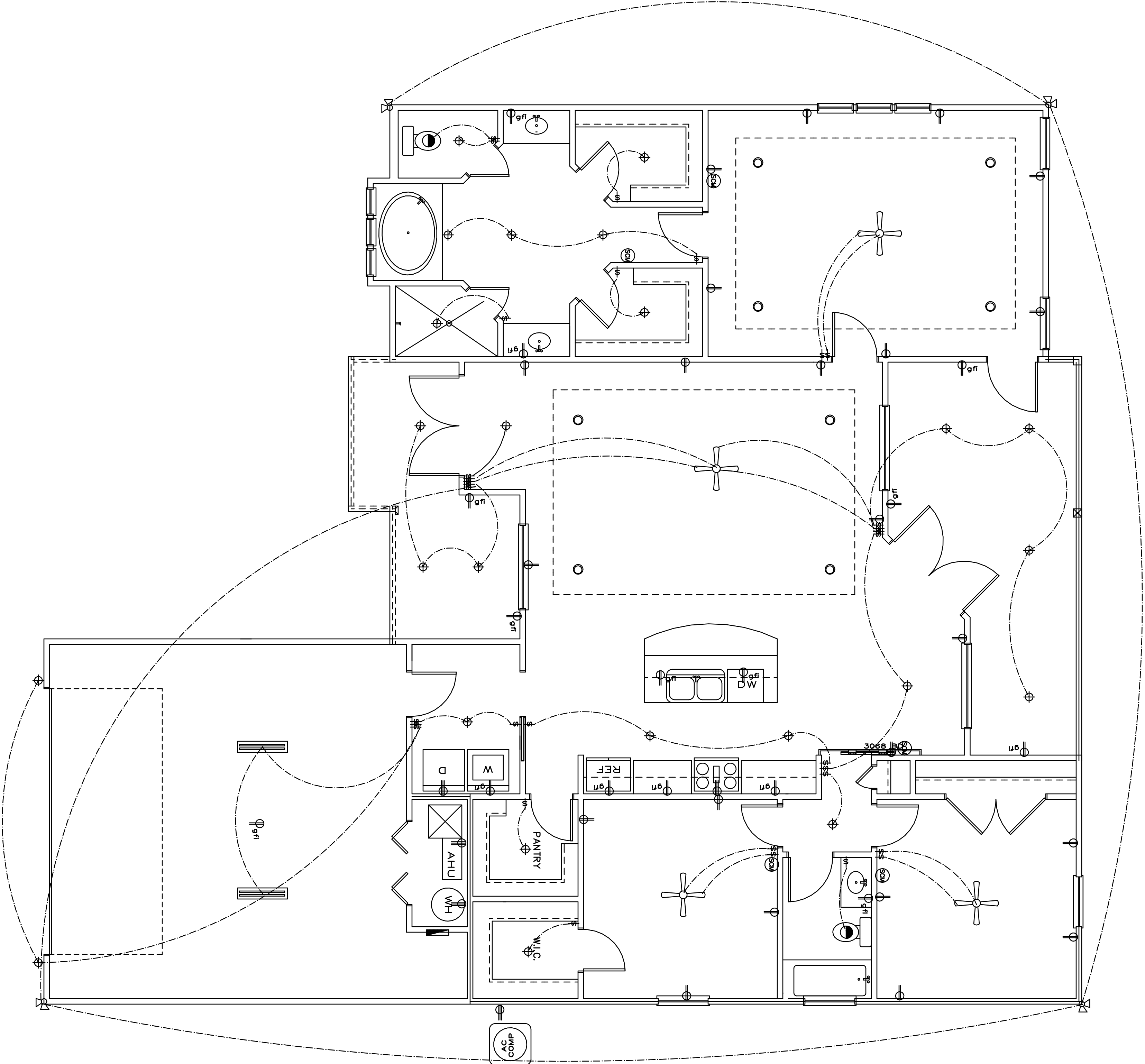
ELECTRICAL NOTES:
INSTALLATION SHALL BE PER 2020 NAT'L. ELECTRIC CODE. WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

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

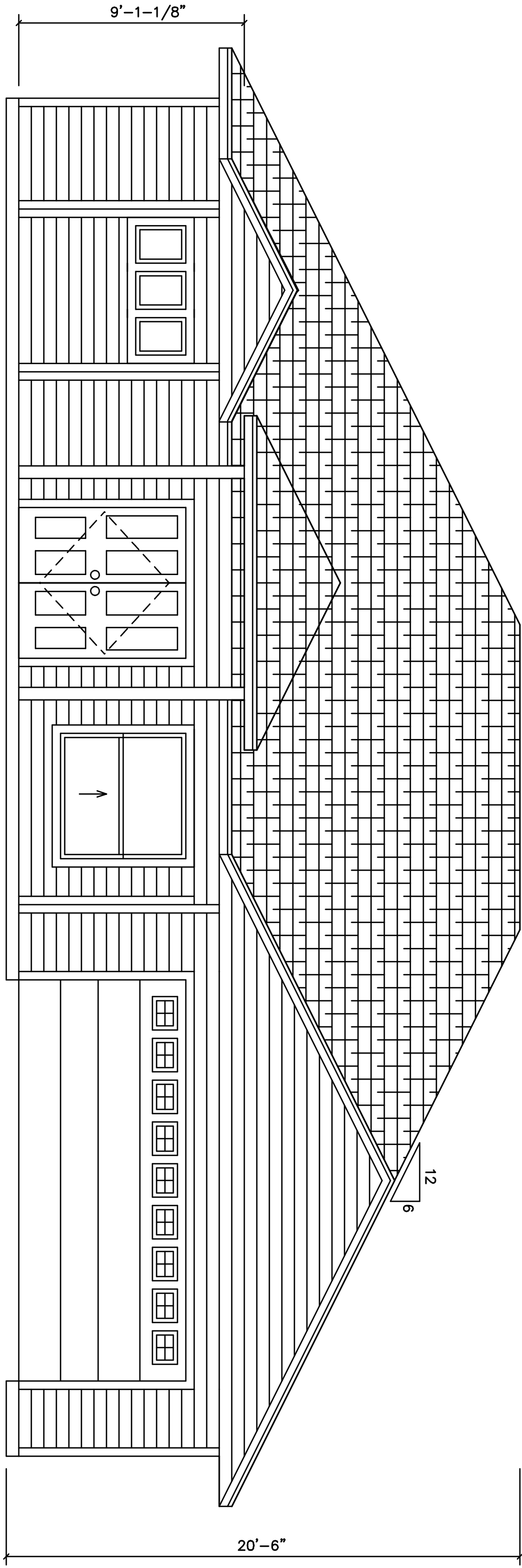
ANY BUILDINGS HAVING A FOSSIL-FUELED-BURNING HEATER OR APPLIANCE, A FIREPLACE OR AN ATTACHED GARAGE SHALL HAVE CARBON MONOXIDE DETECTORS WITHIN 10' OF EACH ROOM USED FOR SLEEPING PURPOSES, R315.1

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 2020 NEC. ALL BEDROOM RECEPTACLES SHALL BE AFCI, 2017 (ARC FAULT CIRCUIT INTERRUPT)

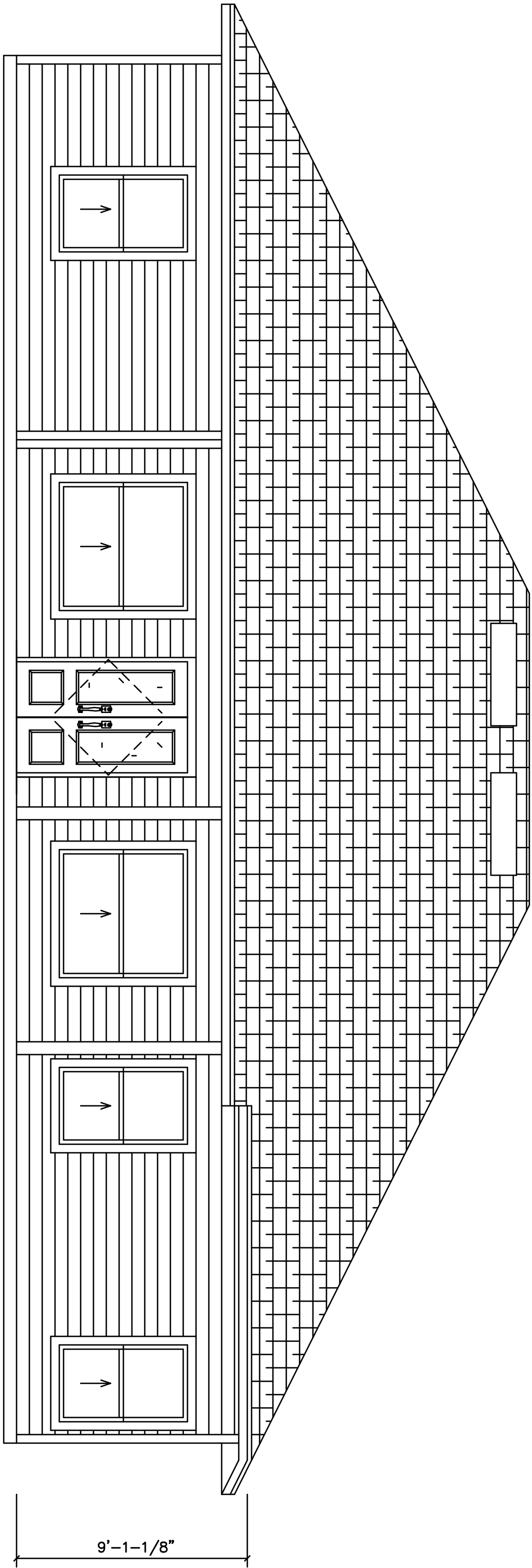
NOTE: ALL 15 AND 20 AMP BRANCH CIRCUITS THAT SUPPLY 120 VOLT OUTLETS IN HABITABLE ROOMS SHALL BE ARC FALT PROTECTED (AFCI)



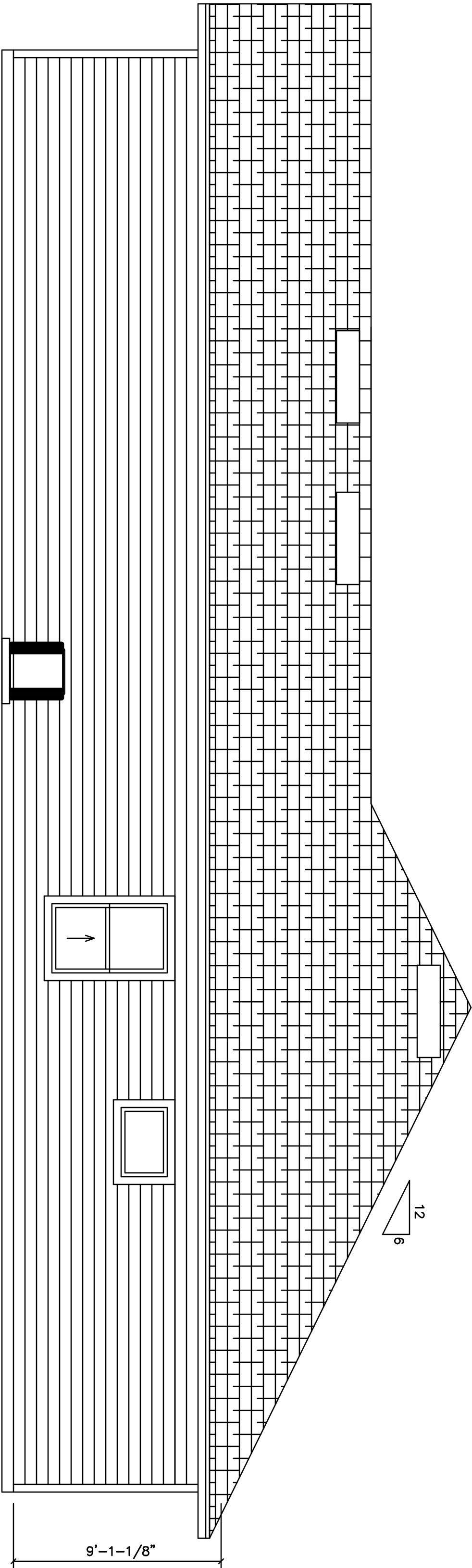
NOTE:
IT IS THE RESPONSIBILITY OF THE STATE LICENSED CONTRACTORS TO VERIFY ALL DIMENSIONS, CODES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE JURISDICTIONS.



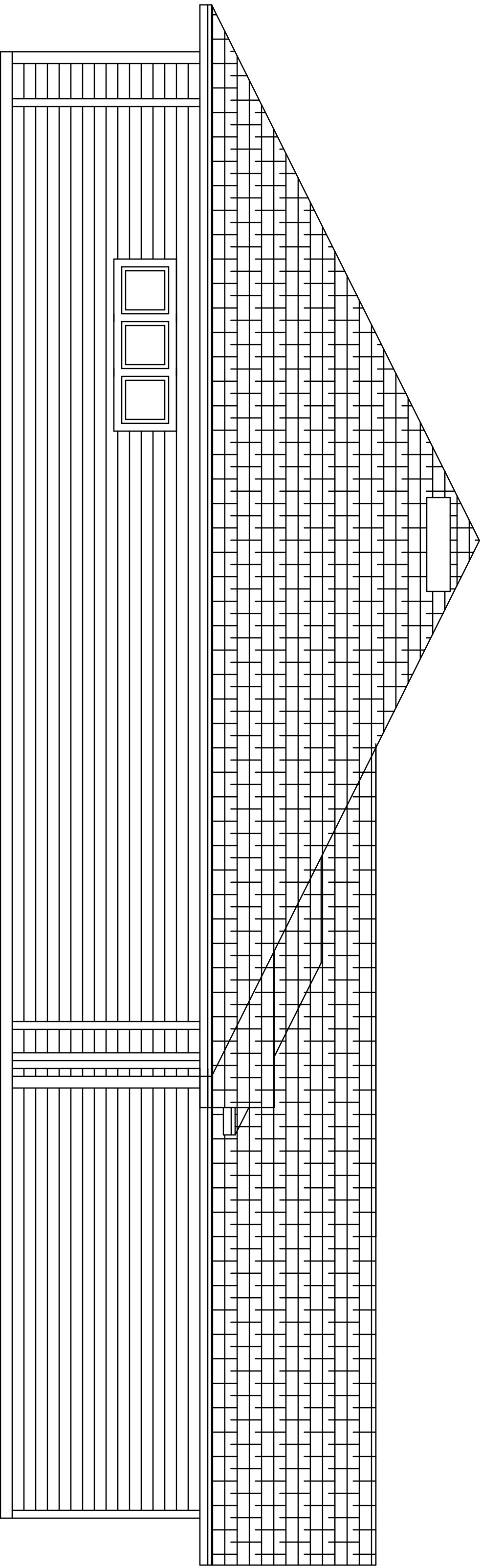
FRONT ELEVATION



REAR ELEVATION



RIGHT ELEVATION



LEFT ELEVATION

NOTE:
IT IS THE RESPONSIBILITY OF THE STATE LICENSED
CONTRACTORS TO VERIFY ALL DIMENSIONS, CODES
AND/ORIES HAVING JURISDICTIONS.



ELEVATIONS

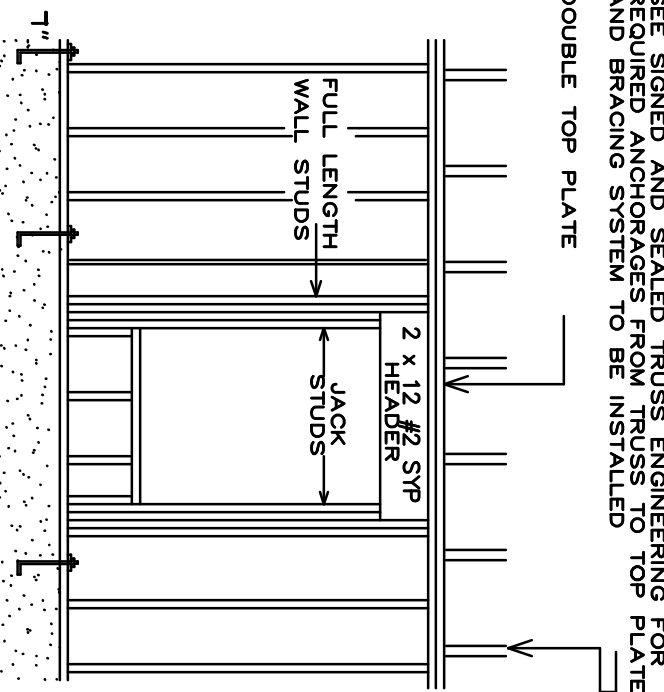
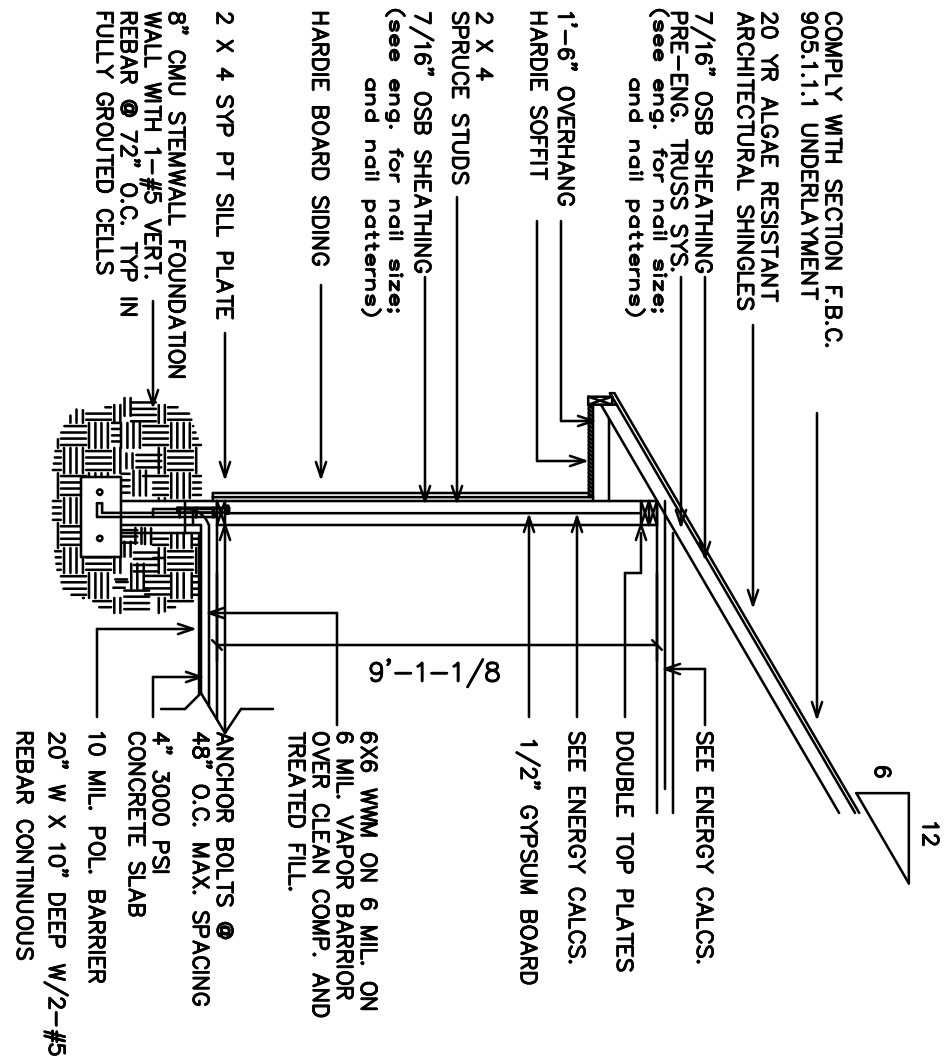
SCALE: 1/4"=1'-0"

LOT 23 \ THORNWOOD
284 S.W. THISTLEWOOD LANE
FORT WHITE, FLORIDA

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ALL DOORS AND WINDOWS TO BE
INSTALLED WITH MANUFACTURERS
ATTACHED WORKSHEETS AND MUST
BE INSTALLED WITH MANUFACTURERS
SUBMIT PRODUCT APPROVALS WITH
PERMIT DOCUMENTS.

WALL SECTION



ALL HEADERS TO BE (2) PLY 2 X 12 #2 SYP
SCHEDULE #1'S OR WINDCO. IN THE HEADER
IN A STAGGERED PATTERN
NAILS @ 4\"/>

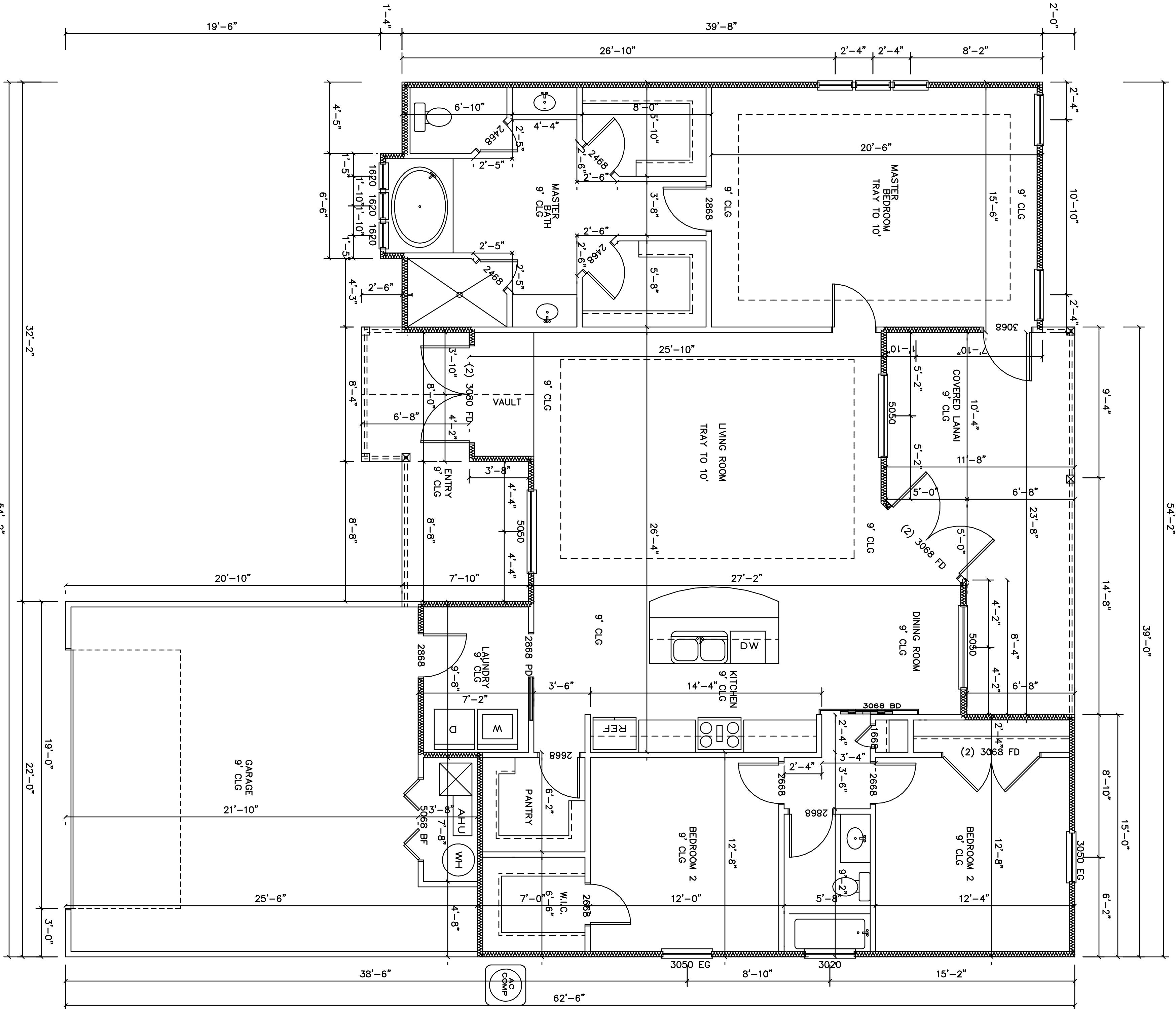
HEADER SPAN (Feet)	MAXIMUM STUD SPACING (inches) (per Table R602.3(3))
14	24
16	1
18	2
20	3
22	4

CODE STATEMENT:
CODE REQUIREMENTS IN EFFECT AT THE TIME OF DESIGN:
2023 FLORIDA RESIDENTIAL BUILDING CODE(6TH EDITION)

HEADER SCHEDULE

HEADER I.D.	HEADER SIZE	QTY
H-1	(2) PLY 2 X 12 #2 SYP HEADER	1
H-2	(2) PLY 2 X 12 #2 SYP HEADER	12
H-3	(2) PLY 2 X 12 #2 SYP HEADER	2
H-4	(2) PLY 2 X 12 #2 SYP HEADER	2
H-5	(2) PLY 2 X 12 #2 SYP HEADER	4
H-6	(2) PLY 2 X 12 #2 SYP HEADER	2
H-7	(2) PLY 2 X 12 #2 SYP HEADER	2
H-8	(2) PLY 2 X 12 #2 SYP HEADER	1
H-9	(2) PLY 2 X 12 #2 SYP HEADER	1
H-10	SYP = 750 F.B. / 1,400,000 M.E.	

NOTE:
THE RESPONSIBILITY OF THE STATE LICENSED
STRUCTURAL ENGINEER ALL DIMENSIONS, LOCATIONS
AND STRUCTURAL DESIGNS TO COMPLY WITH ALL
APPLICABLE BUILDING DEPARTMENT AND
ADHERES TO ALL JURISDICTIONS.



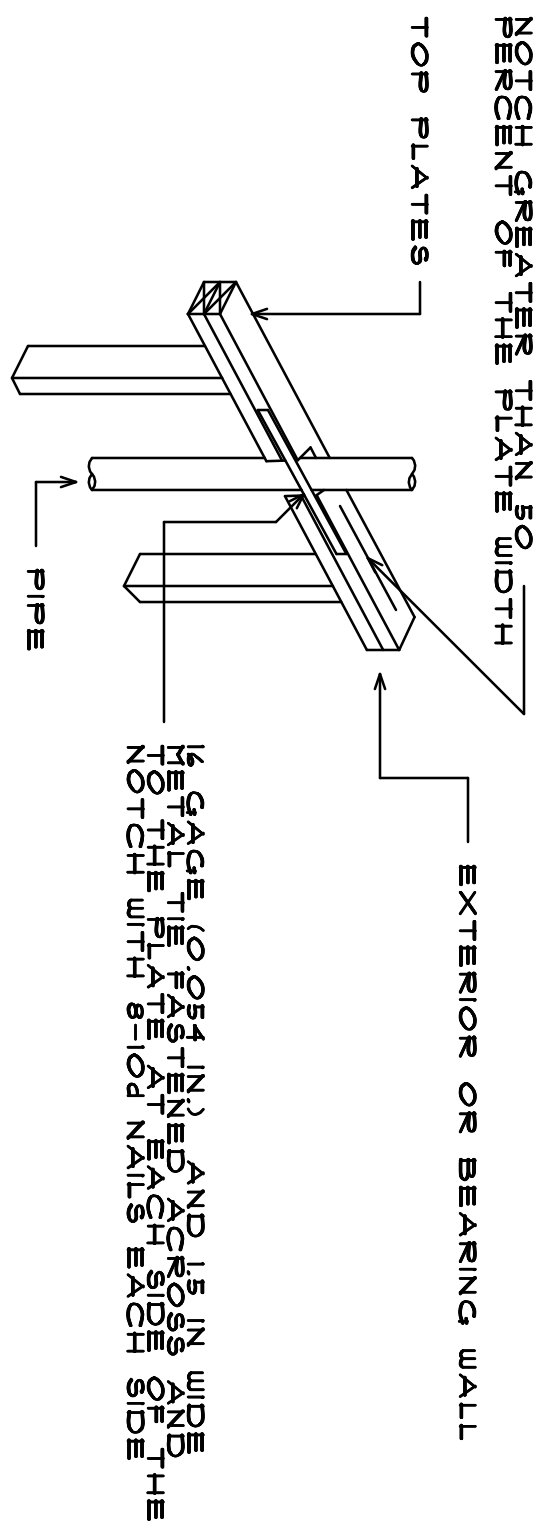
FLOOR PLAN

SCALE: 1/4"=1'-0"
11/9/17
2/17/20
09/09/2024

LIVING AREA	1843
FRONT ENTRY	125
COVERED LANAI	222
GARAGE	526
TOTAL AREA	2716

LOT 23 \ THORNWOOD
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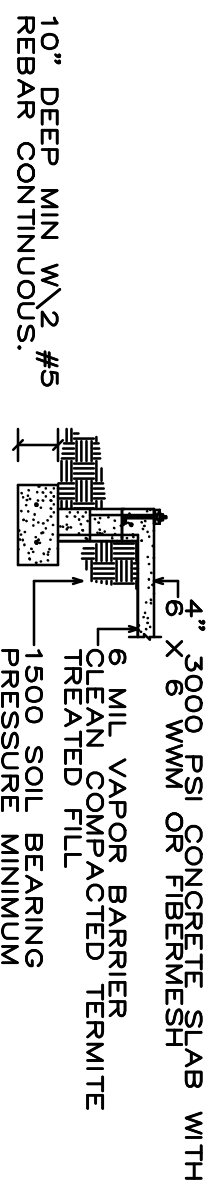
DWC CONTRACTING
30 NE SANTA FE BLVD
HIGH SPRINGS FLORIDA
(386) 454-1730



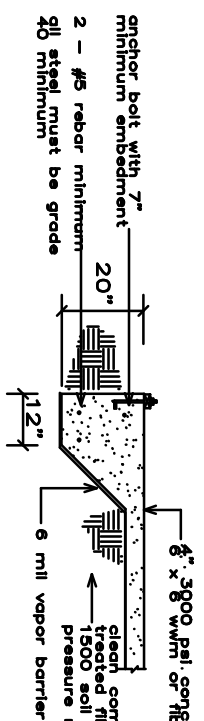
TOP PLATE FRAMING TO ACCOMMODATE PIPING
FIGURE R602.6.1

FOUNDATION NOTES

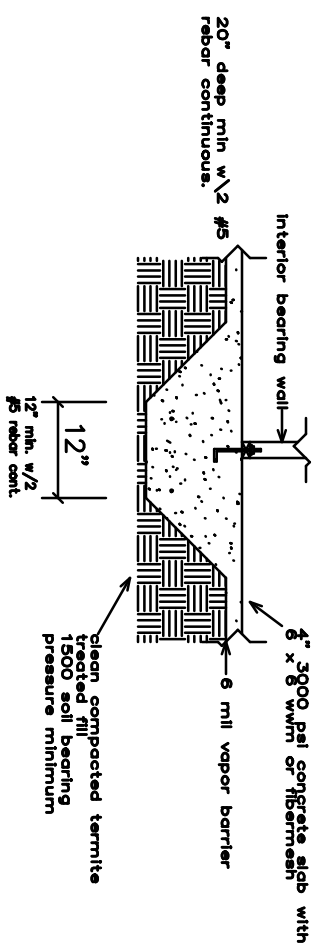
4" THICK SLAB WITH FIBER MESH OF 4' x 6' WITH OVER 4" MIL VAPOR BARRIER ON CLEAN TERMINE TREATED SOIL. FIBER MESH MAY BE USED ON ALL STEEL STRUCTURAL WITH 100 MIN. ISO PSF SOIL BEARING PRESSURE. MIN. 6" CONCRETE WALL WITH 100 MIN. HORIZONTAL AND VERTICAL REINFORCED BELL WITH 100 MIN. HORIZONTAL AND VERTICAL REINFORCED BELL. 10" DEEP X 10" WIDE WITH (2) 5 REBAR CONT. STEWALL FOOTING. DESIGN TO COMPLY WITH ALL OTHERS WITH AINCO JURISDICTION. VERIFY ALL CONDITIONS WITH CONSTRUCTOR. AINCO TRUSS COMPANY'S TRUSS LAYOUT. CODE STATEMENT: CODE REQUIREMENTS IN EFFECT AT THE TIME OF DESIGN: 2023 FLORIDA RESIDENTIAL BUILDING CODE IF SOIL CONDITIONS IN THIS PROJECT DO NOT MEET OR EXCEED THE MIN. DESIGN REQUIREMENTS, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER PRIOR TO POURING OF THE PADS FOR VERIFICATION OF THE PAD DESIGN. THE SOILS TO BE USED FOR DESIGN SHALL BE A MIN. OF MAX. DESIGN STRENGTH AS DETERMINED BY ASTM-157 (modified prector)



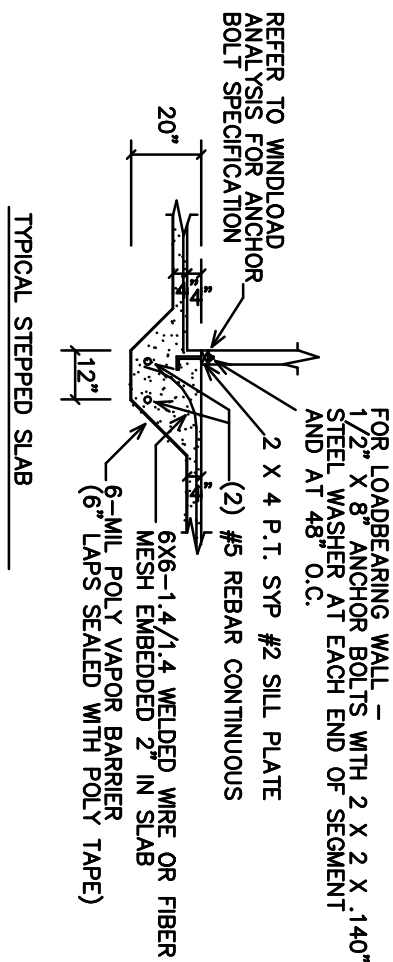
TYPICAL CMU STEMWALL FOOTING



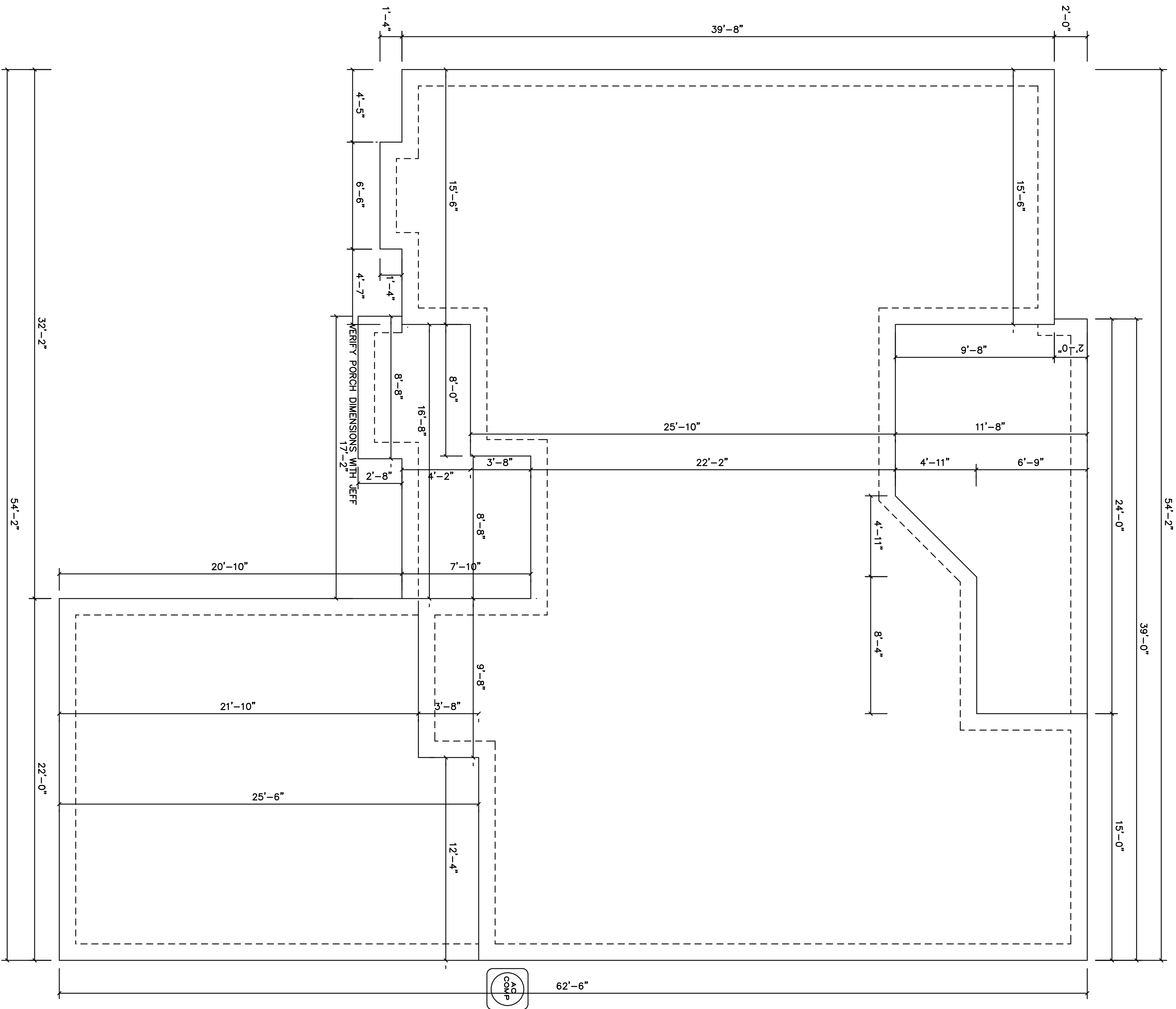
typical monolithic footing



TYPICAL STEPPED SLAB



DESIGN CRITERIA		
F.B.C.	RESIDENTIAL	2023
WIND LOAD DESIGN	ASCE 7-14	2023
PL. PLUMBING	F.B.C.	2023
FLOOR LIVE LOAD	40 P.S.F.	2023
ROOF LIVE LOAD	20 P.S.F.	2023
PL. ELECTRICAL	NAT'L. ELECT. CODE	2020
MECHANICAL	F.B.C.	2023
F.B.C. 2023 (8TH EDITION)		



ROOF VENTING CALCULATIONS
SQ FT TOTAL 2692 SF /600 SF

SF OF VENT AREA REQ. 4.5 SF / .73 SF
NUMBER OF VENTS REQ. 6

TIE-DOWN TABLES				
HEADER STRAPPING				
Uplift Lbs	Top Connector	Rating Lbs	Bottom Connector	Rating Lbs
to 485	LE7A18	635	H3	320
to 910	LE7A12	795	2-H3	640
to 1285	LE7A18	1110	LT7B	1305
to 1790	2-LE7A12	1810	LT7B	1790
to 2520	2-LE7A18	2520	H2A-2.5	2165
to 2885	3-LE7A18	3255	H2A-3.5	2885
to 3700	3-LE7A24	3860	H2A-3	3120
Total the uplift for each truss sitting on the header and divide by 2 to determine unit value.				
Total the unit value for the header, use proper bolt outline sufficient to support required unit value.				

TRUSSES \ GIRDERS			
Uplift Lbs	Top Connector	Bottom Connector	Rating Lbs
to 535	H2.5A	NA	
to 1015	H10A	NA	
to 1515	7B22	LT7B	1305
to 1790	2-7B22	LT7B	1790
to 2570	2-7B22	H2A	2775
to 3685	3-7B22	H2A	4010
to 5420	2-H2737	HT72	5250
to 6980	2-H2760	H10A	6540
Two 124 common beams are required per truss for each bearing point into top plate.			
The 124 common beams are required per truss for each bearing point into top plate.			
Total the unit value for each truss, use proper bolt outline sufficient to provide a continuous load path from truss to foundation.			

CONNECTOR	PLATING LBS	BEAM CONNECTION LBS	PLATING LBS
LE7A18	1110	LT7B	1305
2-LE7A18	2220	ABU4	2300

1. Simpson or equivalent hardware may be used. For nailing into gables, rafters.
2. See truss engineering for endow unit values.
3. This hardware is not meant to be a replacement for the specified value of any manufacturer's values.

PREFABRICATED WOOD TRUSSES

1. ALL PREFABRICATED TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS PER TRUSS ENG REQ.
2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED TO BE USED IN ACCORDANCE WITH THE LATEST EDITION OF THE NDS AS RECOMMENDED BY THE NFPA.
3. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAX. ALLOWABLE STRESS INCREASE FOR ALL LOAD CONDITIONS) TO WITHSTAND THE DESIGN LOADS AND THE BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE SPECIFIED BY THE TRUSS MANF.
5. TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY.
6. DESIGN SPECIFICATION FOR LIGHTWEIGHT METAL PLATE CONNECTED WOOD TRUSSES SHALL BE USED.
7. PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANF. IN ACCORDANCE WITH SPECIFIED LOADS AND THE GOVERNING CODES.
8. THE TRUSS MANF. SHALL DETERMINE ALL SPANS, BEARING POINTS AND ALL ADDITIONAL TRUSS MEMBERS AND BRACING MEMBERS, AND ALL TRUSS TO TRUSS CONNECTORS.
1. UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE REQUIRED ON MEMBERS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS MAY NOT NEED TO HAVE CONNECTORS APPLIED. CONSULT THE TRUSS MANF. FOR THE LOCATION OF THESE WALLS.
2. THE TRUSS MANF. SHALL VERIFY THE TRUSS MANF. TO EXCEED THE LOADS IN THE SIGNED AND SEALED TRUSS ENGINEERING.

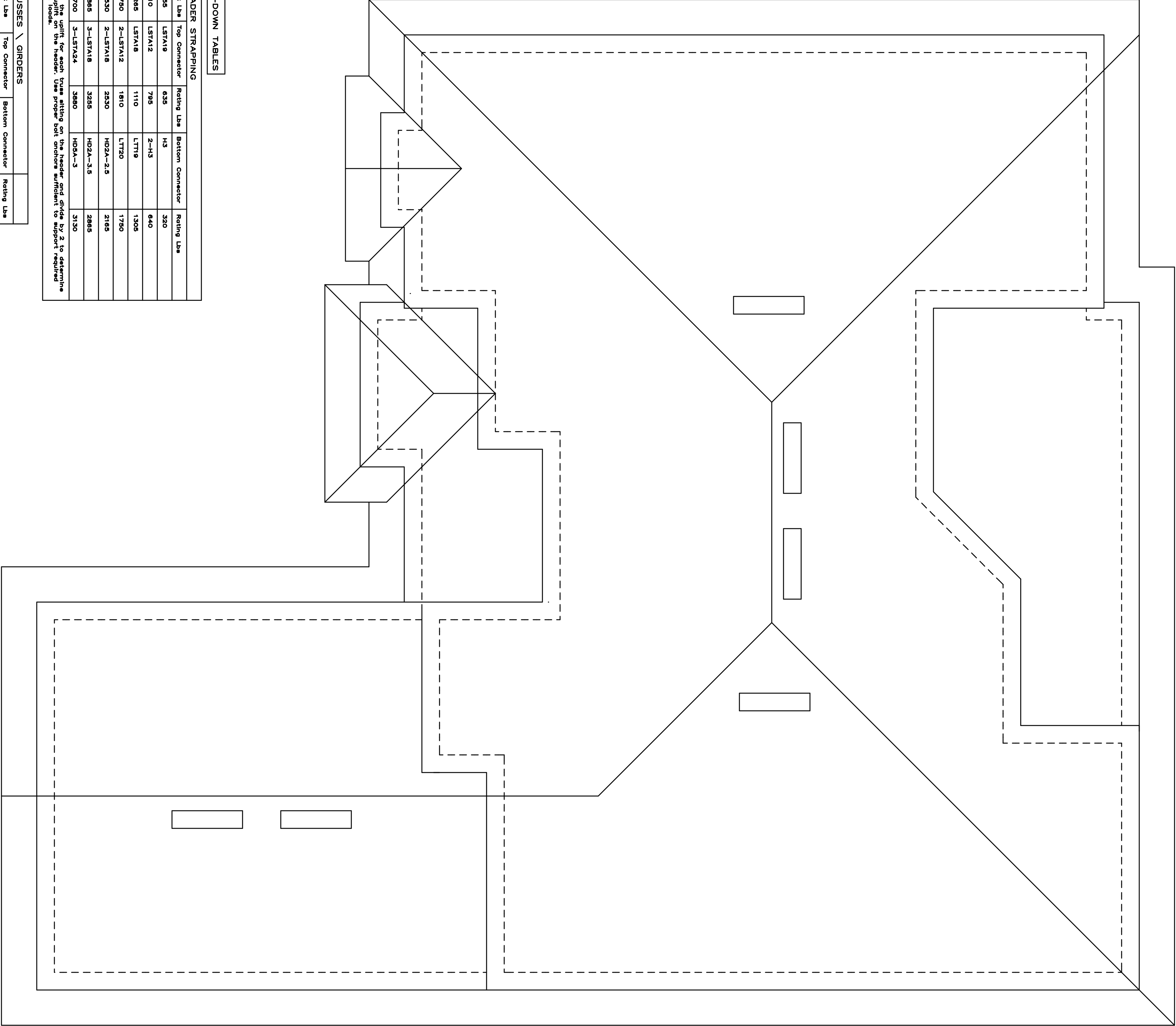
ROOF VENT CALCS
SF 2692 /600
VENT AREA 4.5 / .73
VENT REQ 6

TIE-DOWN TABLES				
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Total the uplift for each truss sitting on the header and divide by 2 to determine unit value.				
Total the unit value for the header, use proper bolt outline sufficient to provide a continuous load path from truss to foundation.				

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

