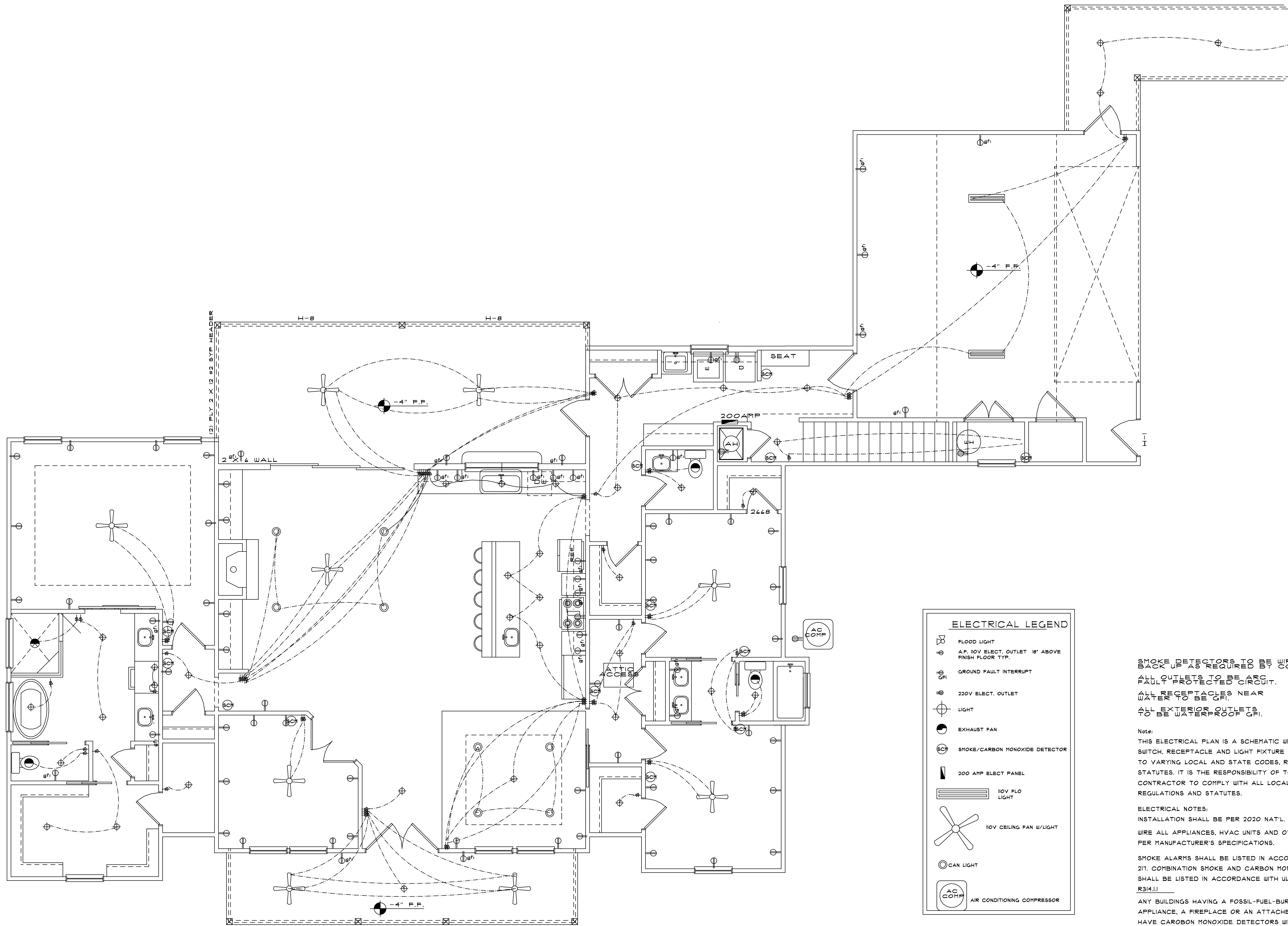




NOTES:

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, 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.

ELECTRICAL LEGEND	
	FLOOD LIGHT
	A.F. 110V ELECT. OUTLET 18" ABOVE FINISH FLOOR TYP.
	GROUND FAULT INTERRUPT
	220V ELECT. OUTLET
	LIGHT
	EXHAUST FAN
	SMOKE/CARBON MONOXIDE DETECTOR
	200 AMP ELECT. PANEL
	110V FLO LIGHT
	110V CEILING FAN W/LIGHT
	CAN LIGHT
	AIR CONDITIONING COMPRESSOR

SMOKE DETECTORS TO BE WIRED W/ BATTERY BACK UP AS REQUIRED BY CODE.

ALL OUTLETS TO BE ARC FAULT PROTECTED CIRCUIT.

ALL RECEPTACLES NEAR WATER TO BE GFI.

ALL EXTERIOR OUTLETS TO BE WATERPROOF GFI.

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-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 2020 NEC. ALL BEDROOM RECEPTACLES SHALL BE AFCI. 2020 (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 PLAN

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

01/23/24

THE FEAGIN RESIDENCE

984 S.W. MARYNIK DRIVE

HIGH SPRINGS, FLORIDA

JACOB ESKRIDGE

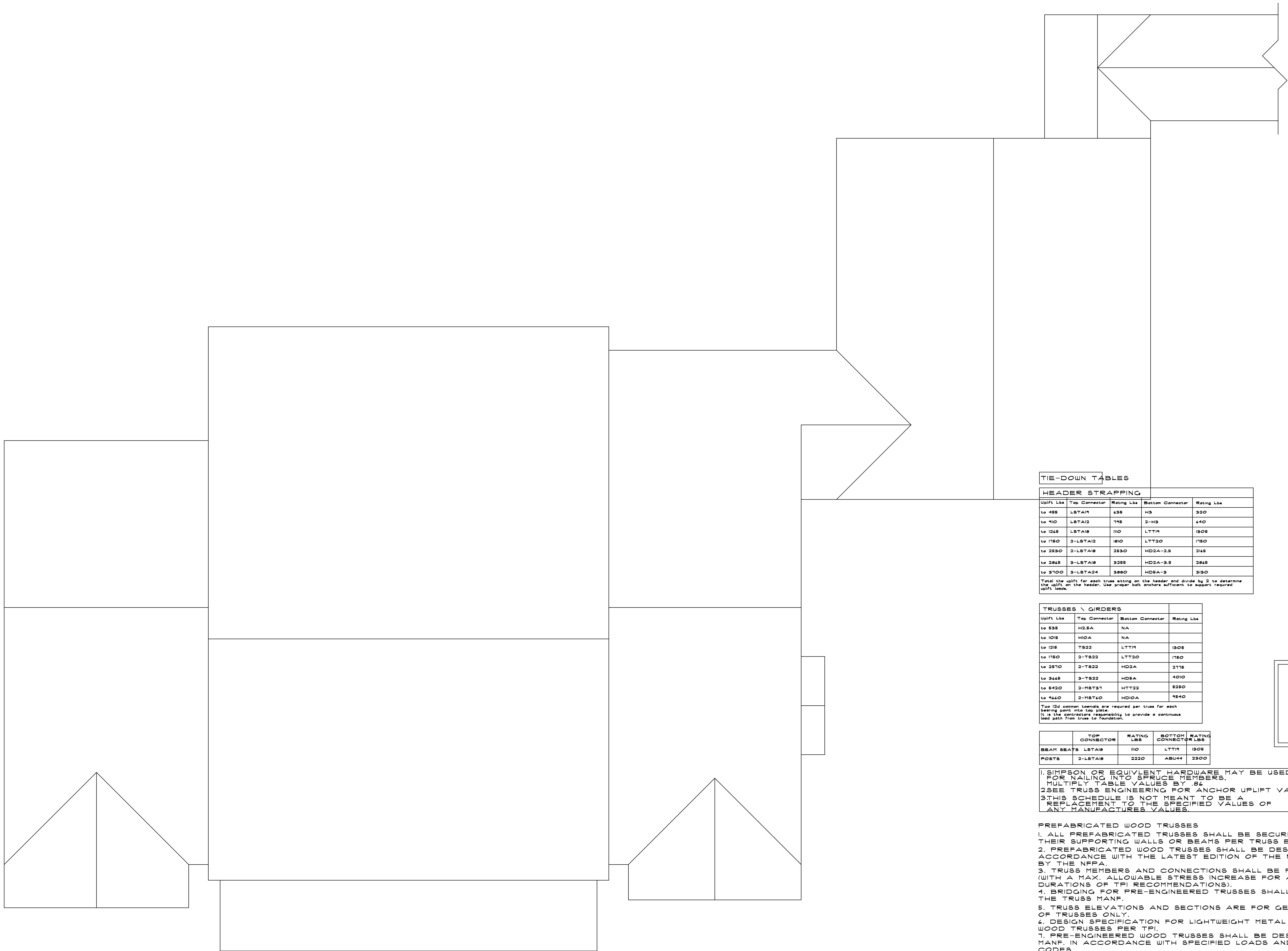
JacobeskrIDGE@yahoo.com

DRAFTING & DESIGNS

14705 MAIN STREET

ALACHUA, FLORIDA

386-462-1340



TIE-DOWN TABLES				
HEADER STRAPPING				
Uplift Lbs	Top Connector	Rating Lbs	Bottom Connector	Rating Lbs
to 498	LSTA14	435	H3	320
to 910	LSTA12	745	2-H3	440
to 1245	LSTA18	1110	LTT14	1305
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2145
to 2845	3-LSTA18	3255	HD2A-3.5	2845
to 3700	3-LSTA24	3660	HD5A-3	3130
Total the uplift for each truss acting on the header and divide by 2 to determine the uplift on the header. Use proper bolt anchors sufficient to support required uplift loads.				

TRUSSES \ GIRDERS			
Uplift Lbs	Top Connector	Bottom Connector	Rating Lbs
to 535	H2.5A	NA	
to 1015	H10A	NA	
to 1215	T522	LTT14	1305
to 1750	2-T522	LTT20	1750
to 2570	2-T522	HD2A	2115
to 3445	3-T522	HD5A	4010
to 5420	2-H5T31	HTT22	5250
to 9440	2-H5T40	HD10A	7540
Two 12d common toenails are required per truss for each bearing point into top plate. It is the contractor's responsibility to provide a continuous load path from truss to foundation.			

	TOP CONNECTOR	RATING LBS	BOTTOM CONNECTOR	RATING LBS
BEAM SEATS	LSTA18	1110	LTT14	1305
POSTS	2-LSTA18	2220	ABU44	2300

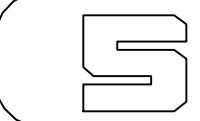
1. SIMPSON OR EQUIVLENT HARDWARE MAY BE USED. FOR NAILING INTO SPRUCE MEMBERS. MULTIPLY TABLE VALUES BY .84.
2. SEE TRUSS ENGINEERING FOR ANCHOR UPLIFT VALUES.
3. THIS SCHEDULE IS NOT MEANT TO BE A REPLACEMENT TO THE SPECIFIED VALUES OF ANY MANUFACTURES VALUES.

- PREFABRICATED WOOD TRUSSES
- ALL PREFABRICATED TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS PER TRUSS ENG REQ.
 - PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NDS AS RECOMMENDED BY THE NFPA.
 - TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAX. ALLOWABLE STRESS INCREASE FOR ALL LOAD DURATIONS OF TPI RECOMMENDATIONS).
 - BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE SPECIFIED BY THE TRUSS MANF.
 - TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY.
 - DESIGN SPECIFICATION FOR LIGHTWEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER TPI.
 - PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANF. IN ACCORDANCE WITH SPECIFIED LOADS AND THE GOVERNING CODES.
 - THE 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.
 - UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS 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.
 - 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	
TOTAL S.F.	2304
	/400
VENT AREA	3.8
	/.13
VENT REQ	5.0

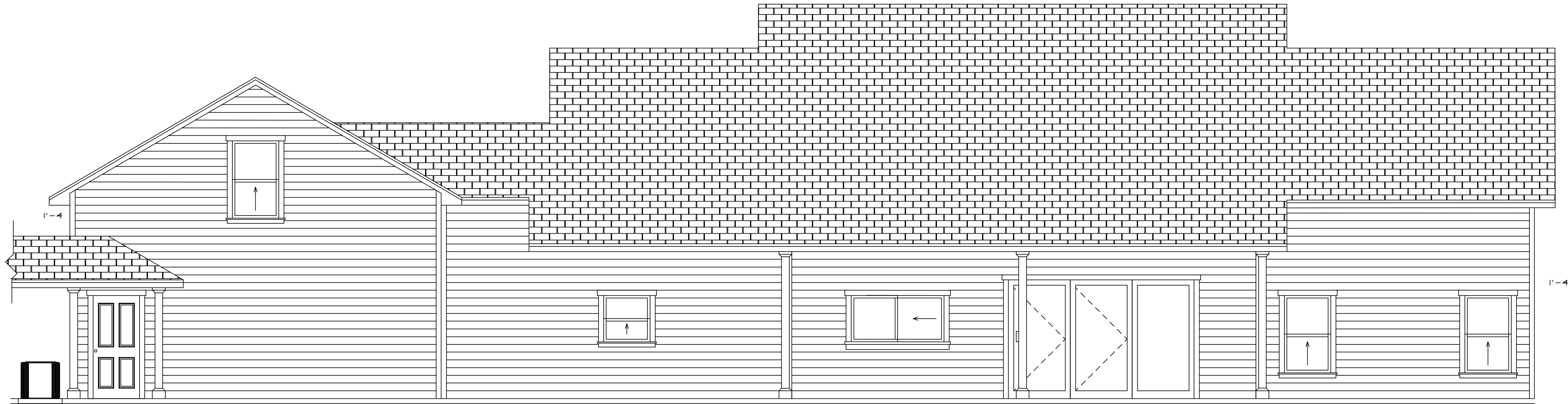
ROOF LAYOUT

SCALE: 1/4"=1'-0"
01/23/24
04/30/24



THE FEAGIN RESIDENCE
984 S.W. MARYNIK DRIVE
HIGH SPRINGS, FLORIDA

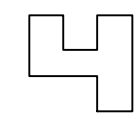
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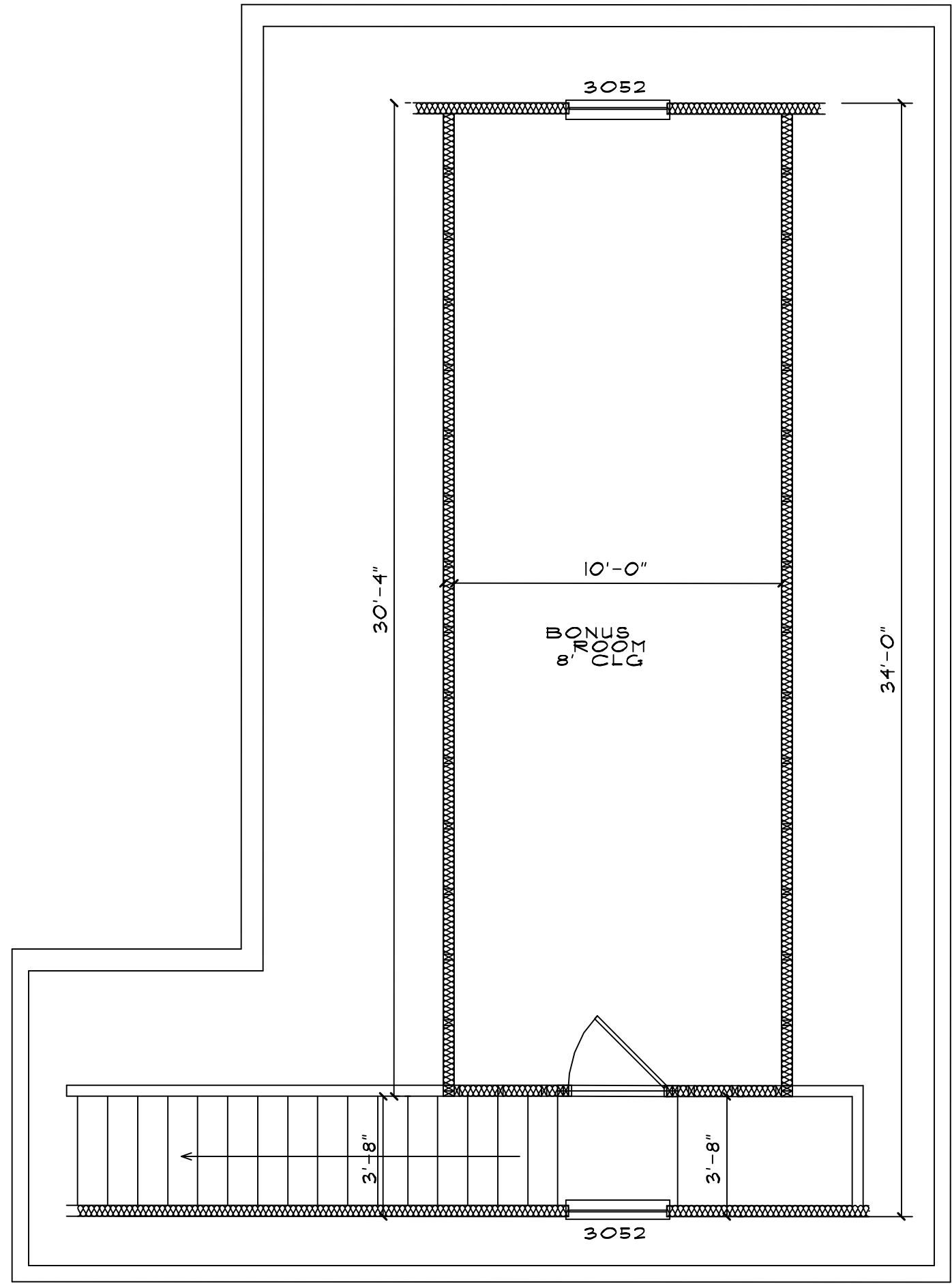


REAR ELEVATION



LEFT ELEVATION

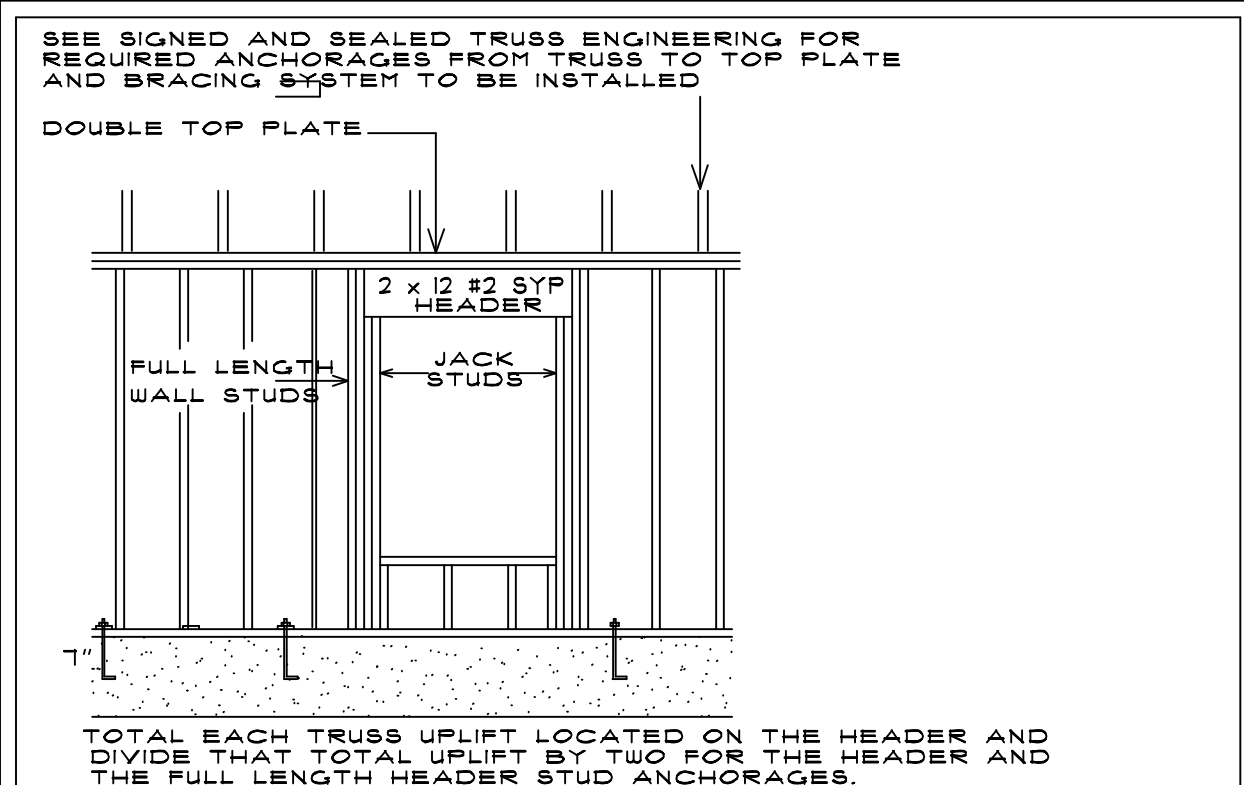
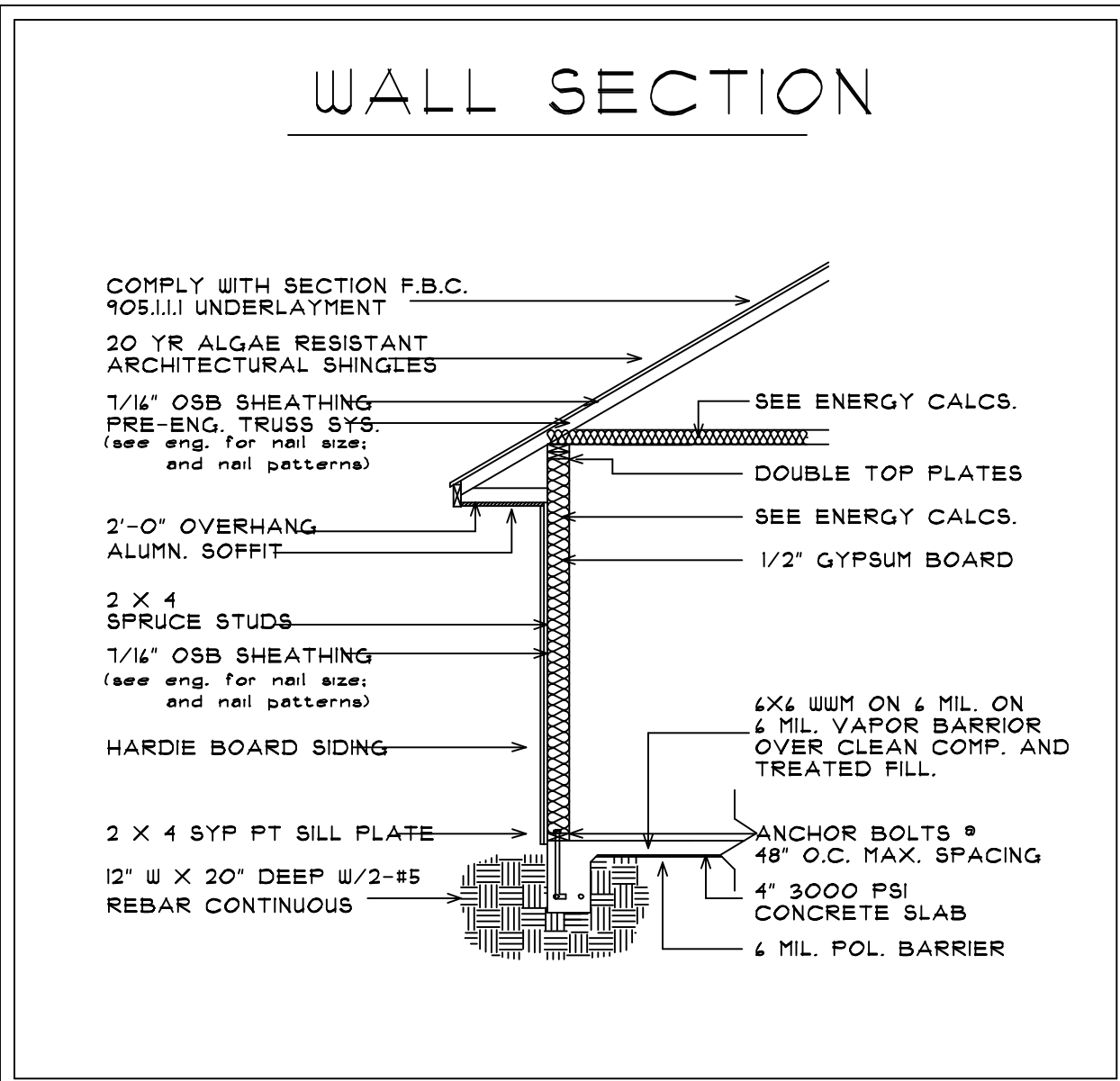
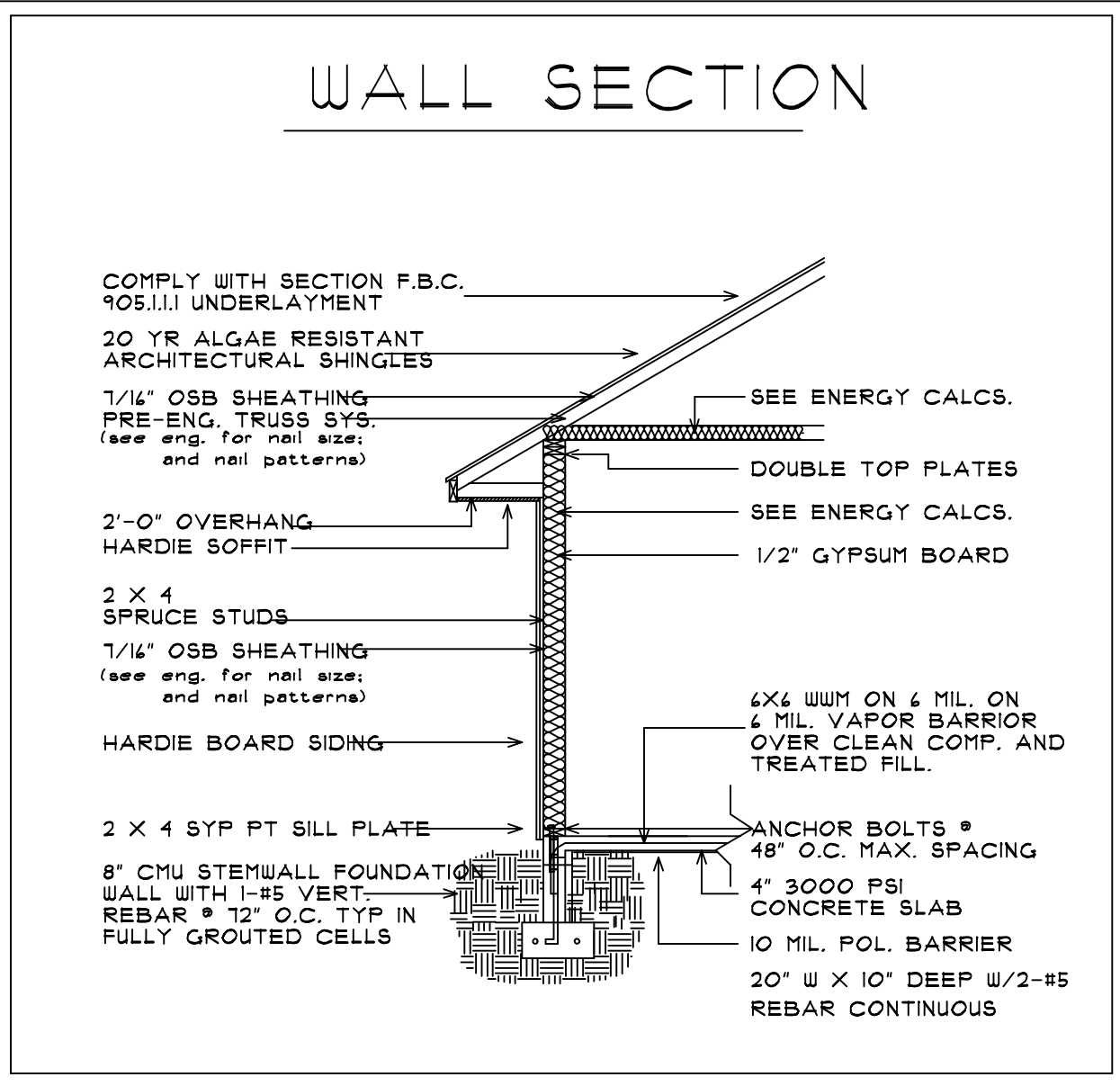
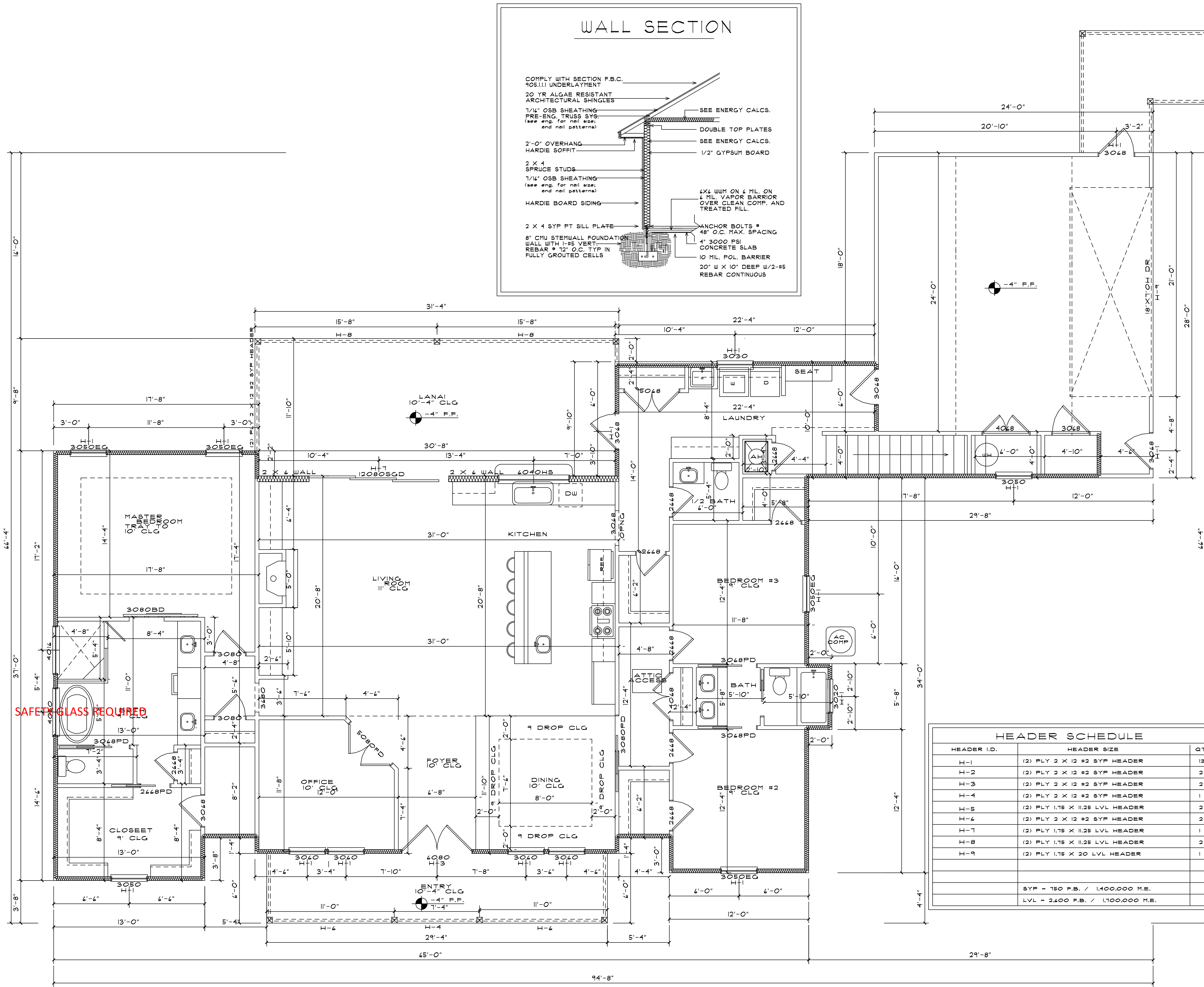




FRONT ELEVATION



RIGHT ELEVATION



HEADER SCHEDULE		
HEADER I.D.	HEADER SIZE	QTY
H-1	(2) PLY 2 X 12 #2 SYP HEADER	13
H-2	(2) PLY 2 X 12 #2 SYP HEADER	2
H-3	(2) PLY 2 X 12 #2 SYP HEADER	2
H-4	(2) PLY 2 X 12 #2 SYP HEADER	1
H-5	(2) PLY 1.75 X 11.25 LVL HEADER	2
H-6	(2) PLY 2 X 12 #2 SYP HEADER	2
H-7	(2) PLY 1.75 X 11.25 LVL HEADER	1
H-8	(2) PLY 1.75 X 11.25 LVL HEADER	2
H-9	(2) PLY 1.75 X 20 LVL HEADER	1
SYP = 150 F.B. / 1,400,000 M.E.		
LVL = 2,400 F.B. / 1,700,000 M.E.		

ALL STANDARD HEADERS TO BE (2) PLY 2 X 12 #2 SYP. WITH 1/2" O.S.B. OR PLYWOOD SPACER. AT TIMES LVL'S WILL BE SPECIFIED FOR HEADERS. (SEE HEADER SCHEDULE ON PLAN OR WINDLOAD.)

INSTALL (2) ROWS OF 3" X 103 NAILS @ 4" O.C. NAILED IN A STAGGERED PATTERN

HEADER SPAN (feet)	MAXIMUM STUD SPACING (inches)	
	16	24
13'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

CODE STATEMENT:
CODE REQUIREMENTS IN EFFECT AT THE TIME OF DESIGN:
2023 FLORIDA RESIDENTIAL BUILDING CODE(8TH EDITION)

NOTICE TO CONTRACTOR
IT IS THE INTENT OF THE DESIGNER THAT THESE PLANS
ARE ACCURATE AND ARE CLEAR ENOUGH FOR THE STATE LICENSED
CONTRACTOR TO CONSTRUCT THIS PROJECT. IN THE EVENT THAT
SOMETHING IS UNCLEAR OR NEEDS CLARIFICATION STOP AND
CALL THE DESIGNER. IT IS THE RESPONSIBILITY OF THE STATE
LICENSED CONTRACTOR THAT IS CONSTRUCTING THIS PROJECT TO
REVIEW THESE PLANS BEFORE CONSTRUCTION AND IF NEEDED
COORDINATE WITH THE DESIGNER OF ANY CORRECTIONS TO BE
MADE BEFORE CONSTRUCTION BEGINS.

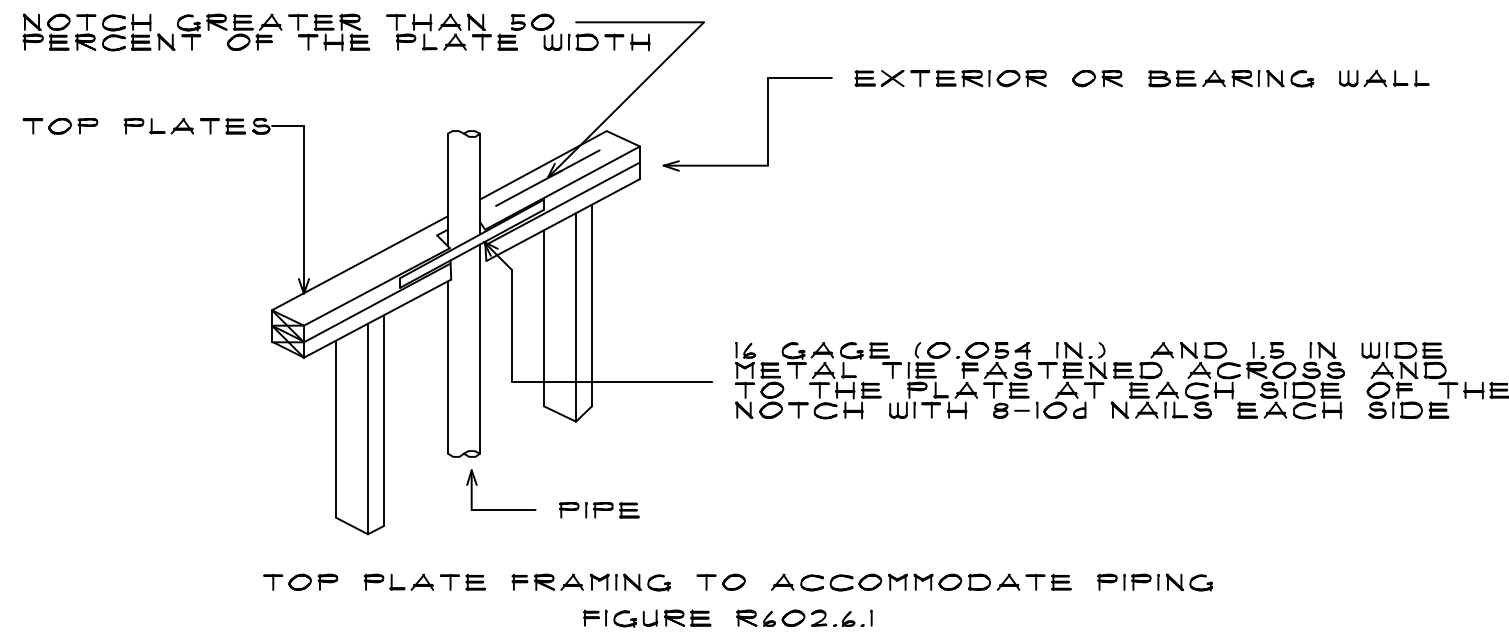
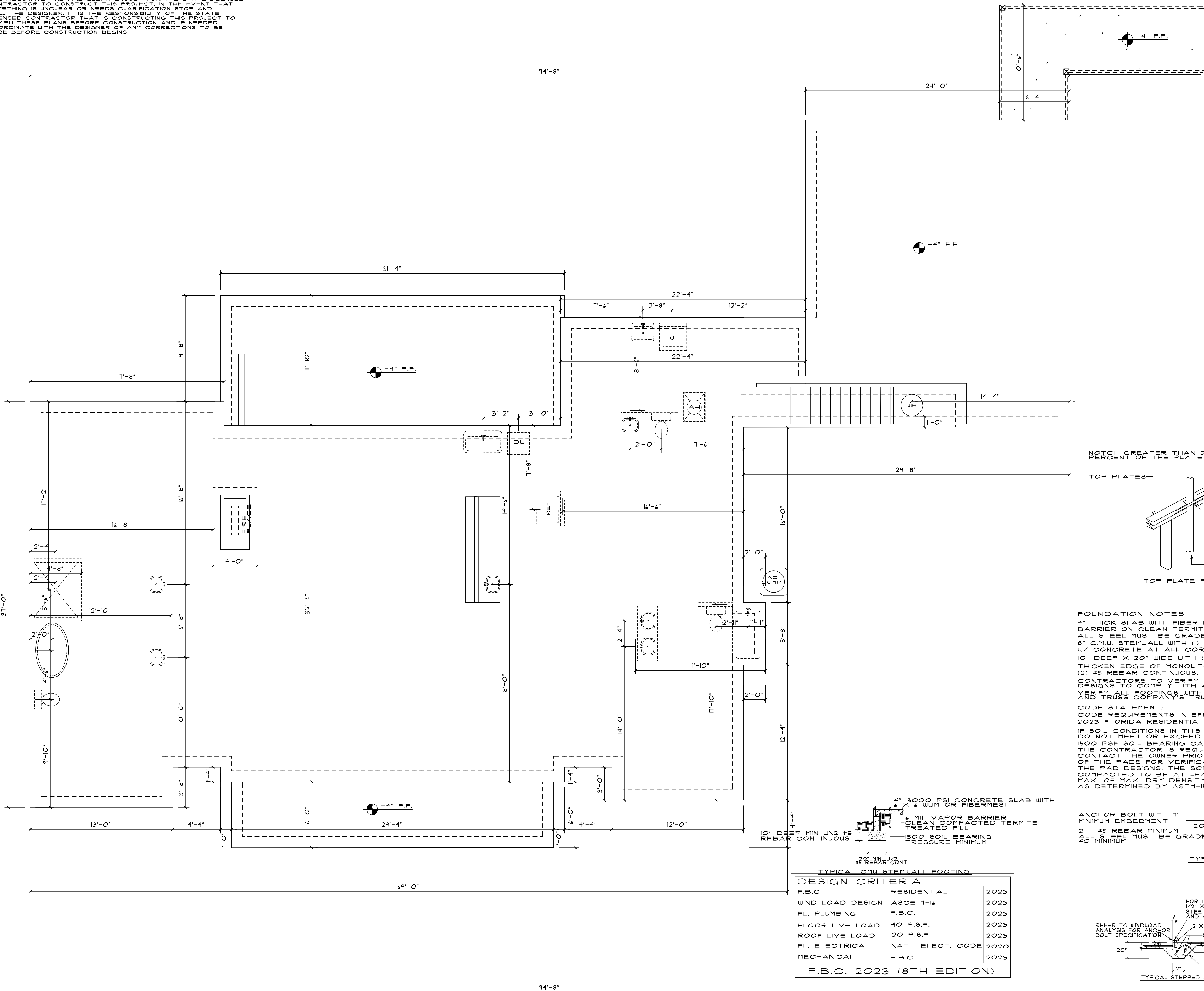
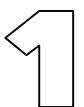


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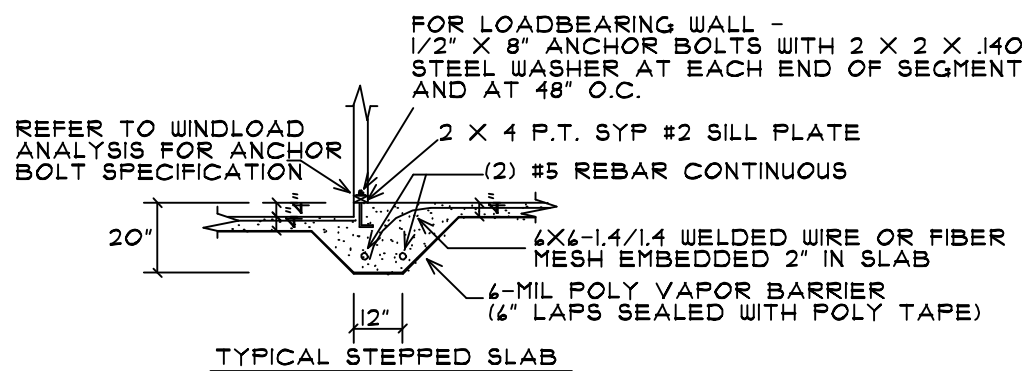
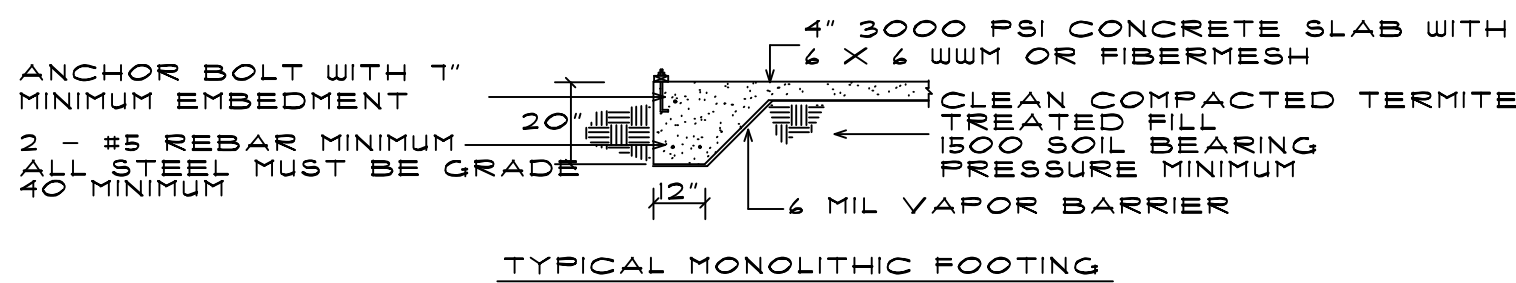
THE FEAGIN RESIDENCE
984 S.W. MARYNICK DRIVE
HIGH SPRINGS, FLORIDA

FOUNDATION PLAN

LIVING AREA: 2482 S.F.
BONUS ROOM: 240 S.F.
GARAGE AREA: 512 S.F.
ENTRY AREA: 314 S.F.
TOTAL AREA: 3851 S.F.
SCALE: 1/4"=1'-0"
01/23/24



FOUNDATION NOTES
4" THICK SLAB WITH FIBER MESH OR 4 X 4 W.W.M. OVER 4 MIL VAPOR BARRIER ON CLEAN TERMITE TREATED SOIL. FIBER MESH MAY BE USED. ALL STEEL MUST BE GRADE 40 MIN. 1500 PSF SOIL BEARING PRESSURE MIN. 8" C.M.U. STEMWALL WITH (1) #5 REBAR VERTICAL FILLED CELL W/ CONCRETE AT ALL CORNERS AND 4' O.C. MAX. SPACING. 10" DEEP X 20" WIDE WITH (2) 5 REBAR CONT. STEMWALL FOOTING. THICKEN EDGE OF MONOLITHIC SLAB TO 12" WIDE X 20" DEEP WITH (2) #5 REBAR CONTINUOUS.
CONTRACTORS TO VERIFY ALL DIMENSIONS, CODES AND DESIGNS TO COMPLY WITH AUTHORITIES HAVING JURISDICTION. VERIFY ALL FOOTINGS WITH CONTRACTOR AND TRUSS COMPANY'S TRUSS LAYOUT.
CODE STATEMENT:
2023 FLORIDA RESIDENTIAL BUILDING CODE
IF SOIL CONDITIONS IN THIS PROJECT DO NOT MEET OR EXCEED THE MIN. 1500 PSF SOIL BEARING CAPACITY THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER PRIOR TO POURING OF THE PADS FOR VERIFICATION OF THE PAD DESIGNS. THE SOIL IS TO BE COMPACTED TO BE AT LEAST 95% OF MAX. OF MAX. DRY DENSITY AS AS DETERMINED BY ASTM-1557 (modified proctor)



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)		