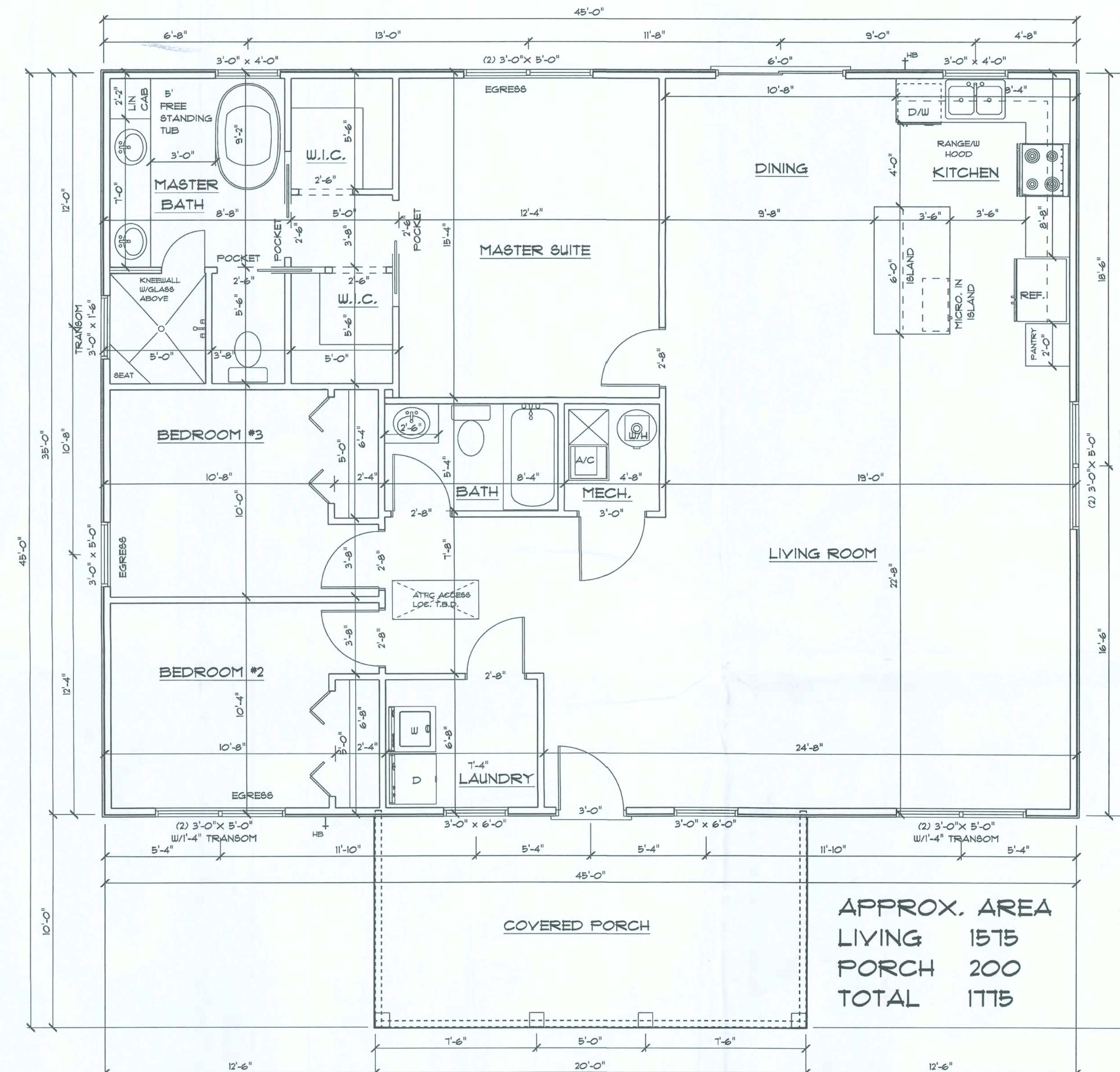


FOUNDATION PLAN

IT IS THE OWNER AND OR THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL STRUCTURAL ASPECTS OF THESE DRAWINGS. THIS INCLUDES BUT NOT LIMITED TO DIMENSIONS, WALL HEIGHTS AND MATERIAL, WINDOW SIZE AND LOCATION. ALSO ALL STATE AND LOCAL CODES MUST BE FOLLOWED

ALL WINDOWS AND DOORS TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND MUST COMPLY WITH CURRENT CODES. SUBMIT ATTACHMENT WORKSHEET WITH PERMIT DOCUMENTS



MAIN FLOOR PLAN

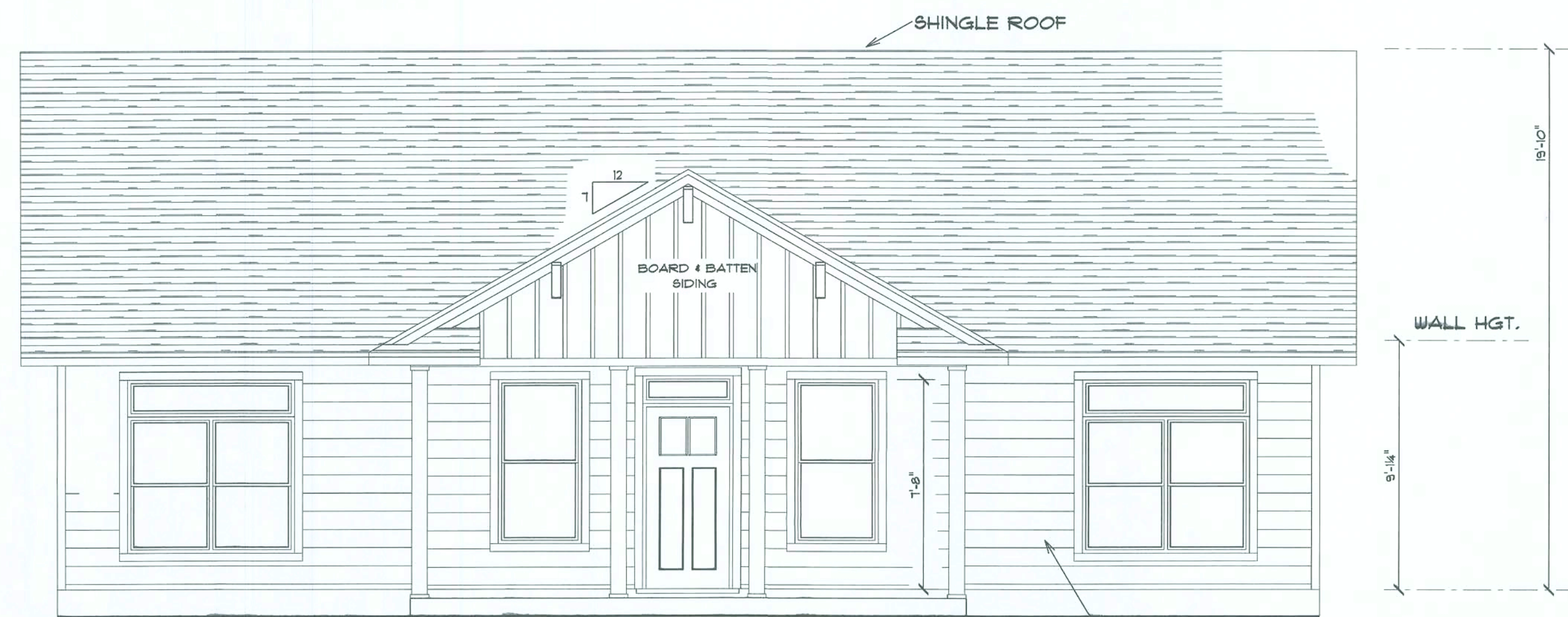
DESIGN CRITERIA

FL. BUILDING CODE	RESIDENTIAL	2020
FL. ELECTRICAL	NAT. ELEC. CODE	2017
FL. PLUMBING	FL.	2020
MECHANICAL	FL.	2020
WIND LOAD DESIGN	ASCE 7-16 (ALL HEIGHTS)	
WIND LOAD DESIGN	FBC, TPI 2020	FBC 2020
ROOF LIVE LOAD	20 PSF	
FLOOR LIVE LOAD	40 PSF	

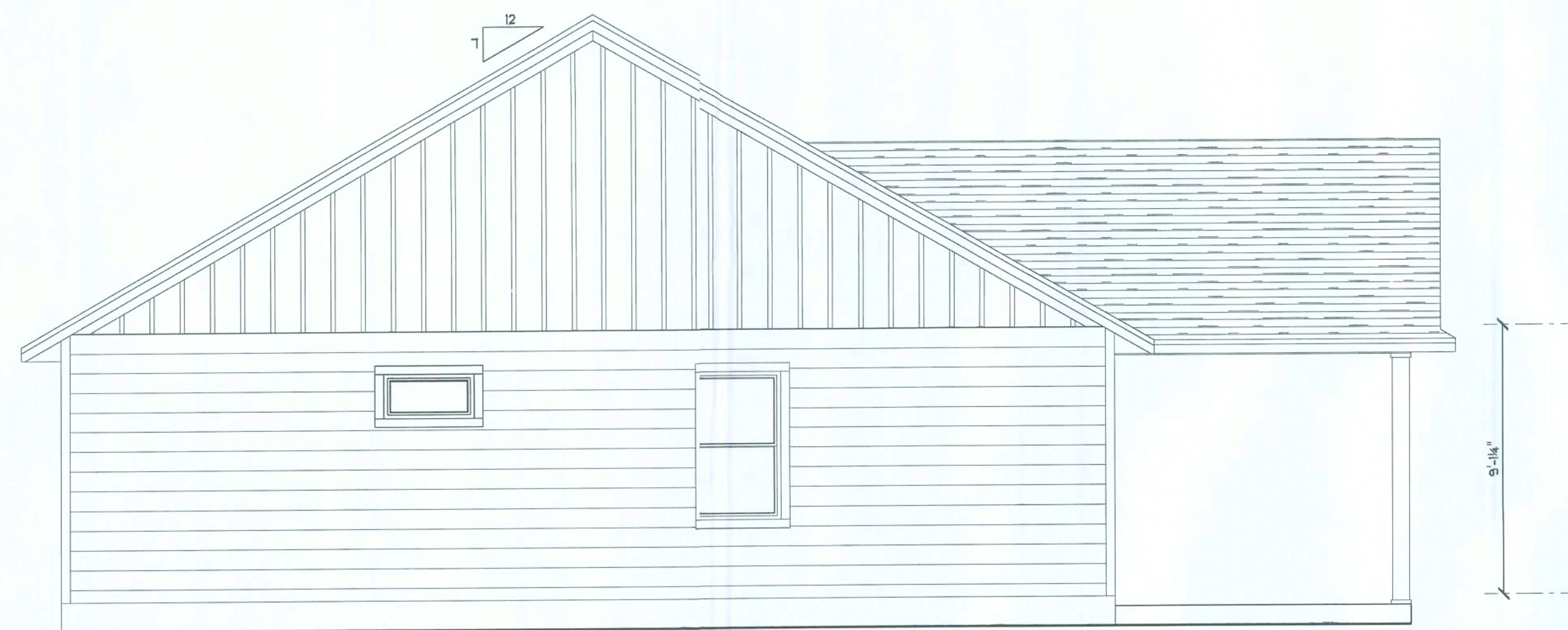




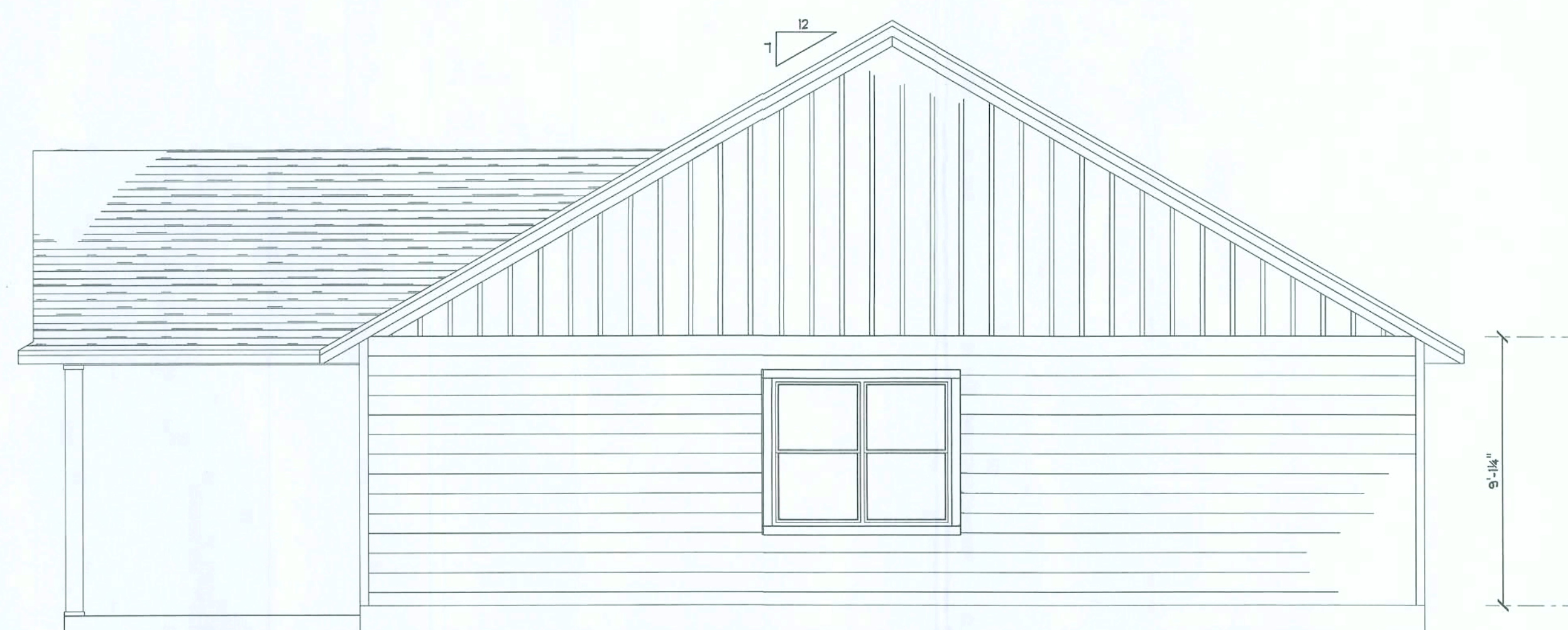
REAR ELEVATION



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

PROFESSIONAL SERVICES BY
DRISCOLL ENGINEERING, INC.
PO BOX 357577,
GAINESVILLE, FL 32609
PH (352) 331-1513
CA 8690

PLANS AND SPECIFICATIONS

The plans and specifications presented herein are applicable only for the anticipated construction at the locations shown. If construction plans change, the Design Professional should be notified so the plans and specifications can be re-evaluated. The Design Professional should be given the opportunity to review final plans and specifications to see if the intent of the plans and specifications has been followed and/or if supplemental details and recommendations are needed. The Design Professional warrants that the plans and specifications contained herein, have been prepared in accordance with generally accepted professional engineering practice. No other warranties are implied or expressed.

CORPORATE PROTECTION

It is understood and agreed that the Design Professional's Basic Services under this Agreement do not include project observation or review of the Contractor's performance or any other construction phase services, and that such services will be provided by the Client. The Client assumes all responsibility for interpretation of the contractor Documents and for construction observation and supervision and waives any claims against the Design Professional that may be in any way connected thereto.

In addition, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any loss, claim or cost, including reasonable attorney fees and costs of defense, arising or resulting from the performance of such services by other persons or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments or changes made to Contract Documents to reflect changed field or other conditions, except for claim arising from the sole negligence or willful misconduct of the Design Professional.

OWNERSHIP OF INSTRUMENTS OF SERVICE

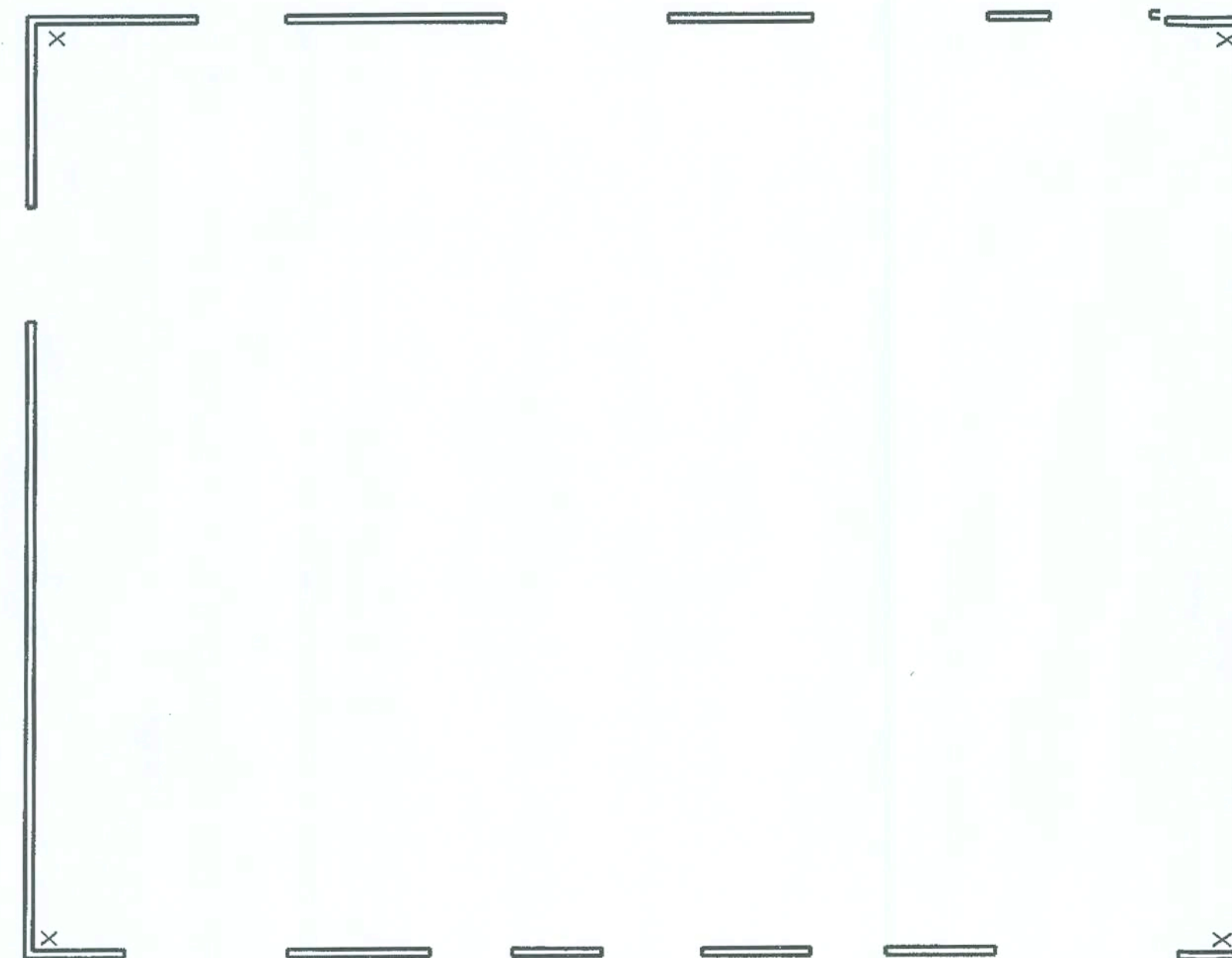
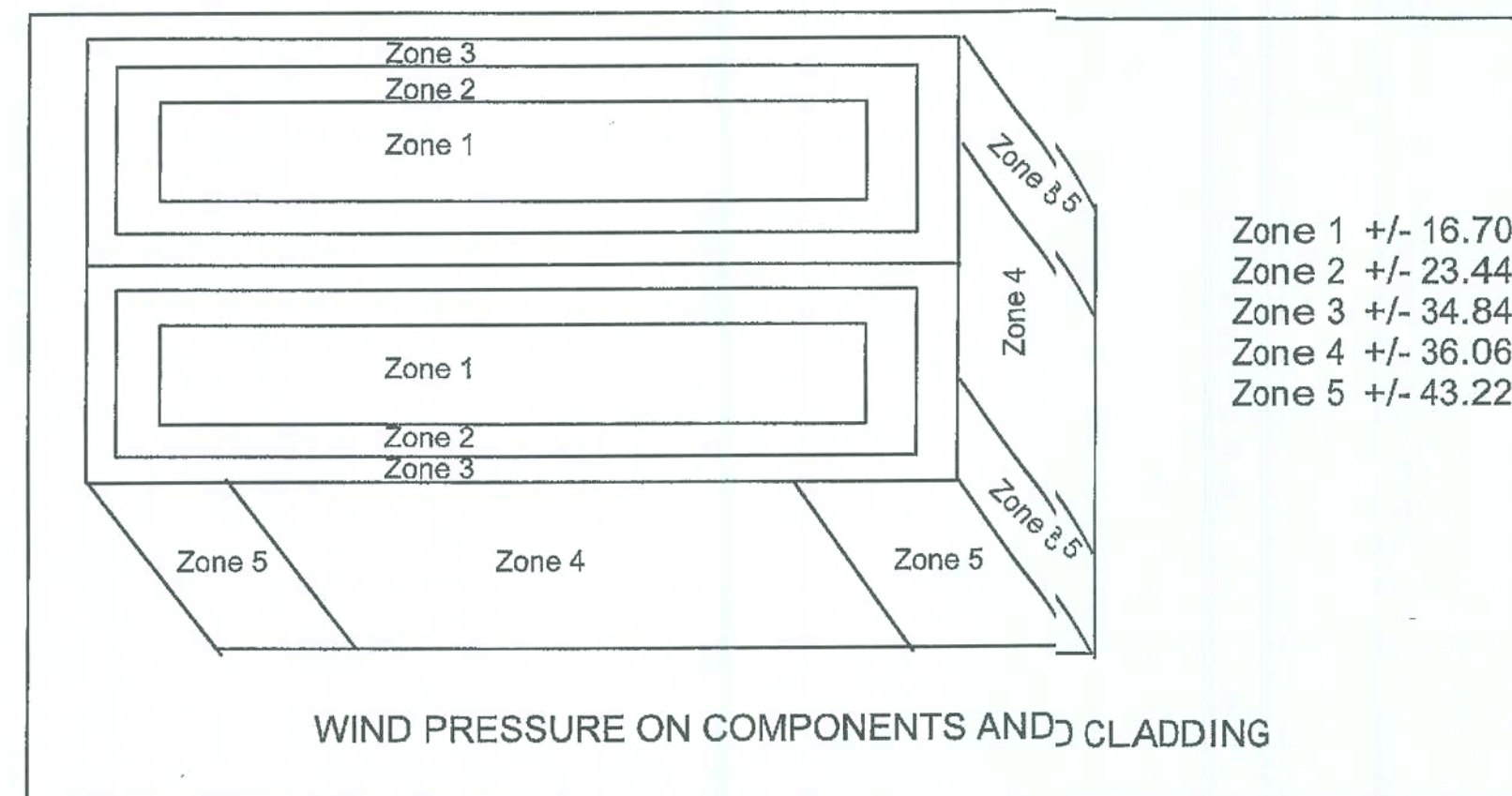
All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Design Professional as instruments of service shall remain the property of the Design Professional. The Design Professional shall retain all common law, statutory and reserved rights, including the copyright thereto.

DEFECTS IN SERVICE

The Client shall promptly report to the Design Professional any defects or suspected defects in the Design Professional's work or services of which the Client becomes aware, so that the Design Professional may take measures to minimize the consequences of such a defect. The Client warrants that he or she will impose a similar notification requirement on all contractors in his or her Client/Contractor contract and shall require all subcontractors at any level to contain a like requirement. Failure by the Client, and the Client's contractors or subcontractors to notify the Design Professional, shall relieve the Design Professional of the costs of remedying the defects above the sum such remedy would have cost had prompt notification been given.

VERIFICATION OF EXISTING CONDITIONS

Inasmuch as the remodeling and/or rehabilitation of an existing building requires certain assumptions be made regarding existing conditions, and because some of these assumptions cannot be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of the building, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any claim, liability or cost (including reasonable attorney's fees and costs of defense) for injury or economic loss arising or allegedly arising out of the professional services provided under this Agreement, excepting only those damages, liabilities, or costs attributable to the sole negligence or willful misconduct of the Design Professional.



X = SIMPSON HTT4 CONNECTOR

SHEAR WALLS QUANTITY
TRANSVERSAL SHEARWALLS = 62'-0" |
LONGITUDINAL SHEARWALLS = 50'-0" —

Certification

I hereby certify that the accompanying wind load analysis for the Hetsler residence demonstrates compliance with the FBC 2020 7th Edition Section 1609, to the best of my knowledge.

Project Wind load Information

1. Ultimate wind speed = 130 MPH
2. Nominal wind speed = 101 MPH
3. Risk Category = II
4. Wind exposure for this design is Exposure C
5. Interior Pressure Coefficient or $G_{CPI} = +/- 0.18$
6. For design of MWFRS: see attached MECAWind Version 2.1.0.6 per ASCE 7-10
7. Roof Design live load 20 psf.
8. Floor Design load 40 psf.

Drawings

See drawings for additional details. In case of conflict, the more restrictive requirements of the drawings or these calculations govern.

1. Roof Trusses: Pre-engineered wood roof trusses engineering at 24" o.c. provided by Mayo Truss Co. Signed & Sealed by Julius Lee P.E. # 34869 Dated: December 4, 2020

2. Roof Sheathing: Sheathing to be or 15/32" Structural Sheathing min. to adequately resist exterior shear and uplift forces due to nailing. Panels to be facenailed w/ #8 ring shank (0.113 Dia.) @ 4" oc along edges and @ 8" oc along interior supports. Galv. metal edging to be nailed @ 4" oc.
3. Roofing: Asphalt roofing shall be installed per mfg. specifications to meet 130 m.p.h. windloading & in accord with the Florida Building Code 2017

Exterior load bearing & shearwalls

1. Studs: Studs: 2 x 6 @ 16" o.c.
Governing load combination: dead + wind
 $F_v D+W = 55$ psi
 $F_b D-W = 1900$ psi
Use: SPF No. 2 grade or better

2. Shearwall Sheathing: Minimum 7/16 structural sheathing, sheathing grade; attach all edges to framing with 8d common nails @ 6" o.c. attach to intermediate framing with 8d common nails @ 12" o.c. Sheathing shall be applied to outside face of all exterior frame walls. Use same nail pattern referenced above for non-shearwall segments also. Note that 8d common nails have a min 0.131 diameter.

See this sheet for shearwalls & holdown locations for Simpson Holdown type & locations.

1. Wood headers: 2- 2"x 12" #2 syp
2. All truss to truss connections shall be designed & engineered by the roof truss mfg.

Foundations (sizes based on wind load requirements only):

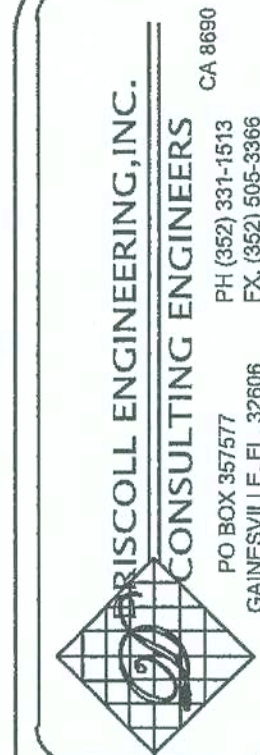
- (1) Stemwall footing 20" wide x 10" deep w/ 2 #5 bars cont.

All bars shall have 25" min lap.

Stem wall: 8" cmu w/ #5 bars vertical w/ 6" hook in footing @ each corner & 48" max spacing. #5 x 24" bar into slab @ each vertical 1#5 bar horizontal in top coarse all bars in grout filled cells.

Digitally signed by
Michael E. Driscoll PE
DN: c=US, st=Florida,
l=Gainesville,
o=Driscoll Engineering,
inc., cn=Michael E.
Driscoll PE,
email=med@driscolleng
ineering.com
Date: 2021.01.04
14:11:31 -05'00'

MICHAEL E DRISCOLL PE
FL REG # 43922



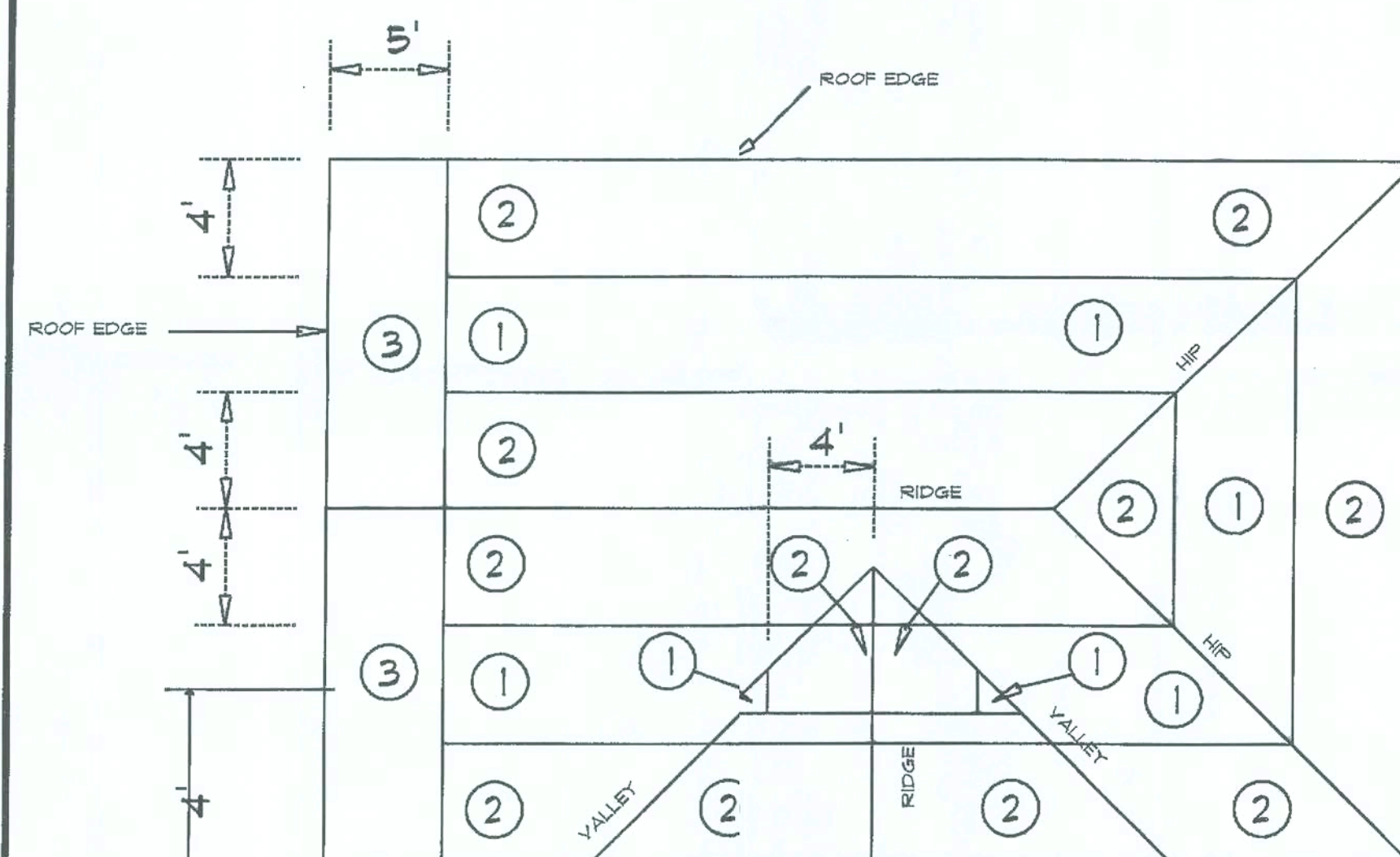
HETSLER
2405 SW BRIM ST
LAKE CITY, FL DW20-70

DATE: 1-4-21

sheet
WL 1

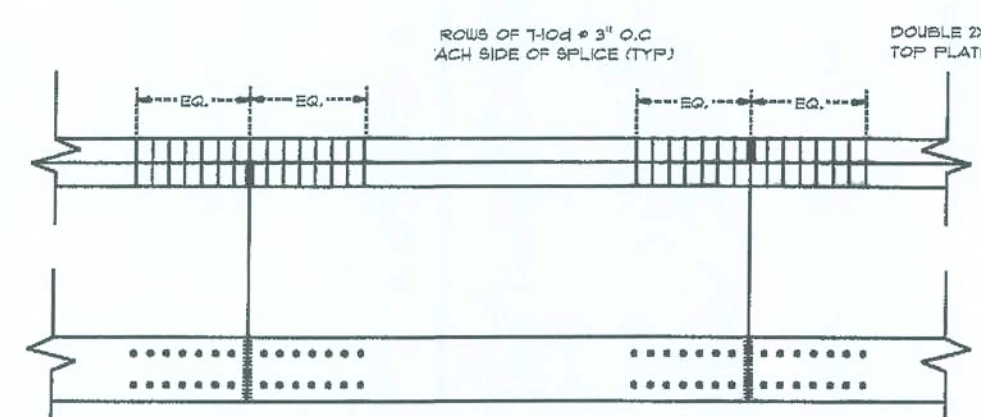
CONNECTOR SCHEDULE FOR LOAD BEARING & SHEAR WALLS					
TO CONNECT	TO	NO.	PRODUCT COE	FASTENER	UPLIFT CAPACITY LBS
STUDS	BOTTOM PLATE		SDWC 154J	32" SPACING MAX.	360
STUDS	TOP PLATE		SDWC 154J	32" SPACING MAX.	360
JACK STUDS	HEADER		CS16	(22) 8d COMMON NAILS	1705
JACK STUDS	BOTTOM PLATE		SDWC 154J		360
TRUSS	TOP PLATE		H2.5T	5-8d-5-8d	545
TRUSS	HEADER		H2.5T	5-8d-5-8d	545
6"x 6" PT POST	FOOTING/ SLAB		ABU66	1- 5/8" / 12- 16d	2300
6"x 6" PT POST	HEADER		2- H6	8- 8d COMMON	860 EA
HEADER	WOOD FRAME WALL		2- H6	8- 8d COMMON	860 EA
GABLE TRUSS	TOP PLATE		LSTA12	10- 10d COMMON @ EACH END & 48"	765
BOTTOM PLATE	FOOTING/ SLAB			1/2" DIA X 12" ANCHOR BOLT W/ 2" X 2" X 1/8" WASHER @ 32" O.C. MAX. & AT EACH BOARD END & OPENING 7" MIN. EMBED	2200
BOTTOM PLATE / WALL	FOOTING/ SLAB		HTT4	1- 5/8" DIA / 18-16D COMMON AS SHOWN ON HOLDDOWN LOCATION SHEET	3080
GIRDER TRUSS	TOP PLATE		H8	8- 8d COMMON	860 EA

INSTALLATION OF SDWC SCREWS SHALL BE IN ACORD WITH SIMPSON STRONG- TIE MFR.



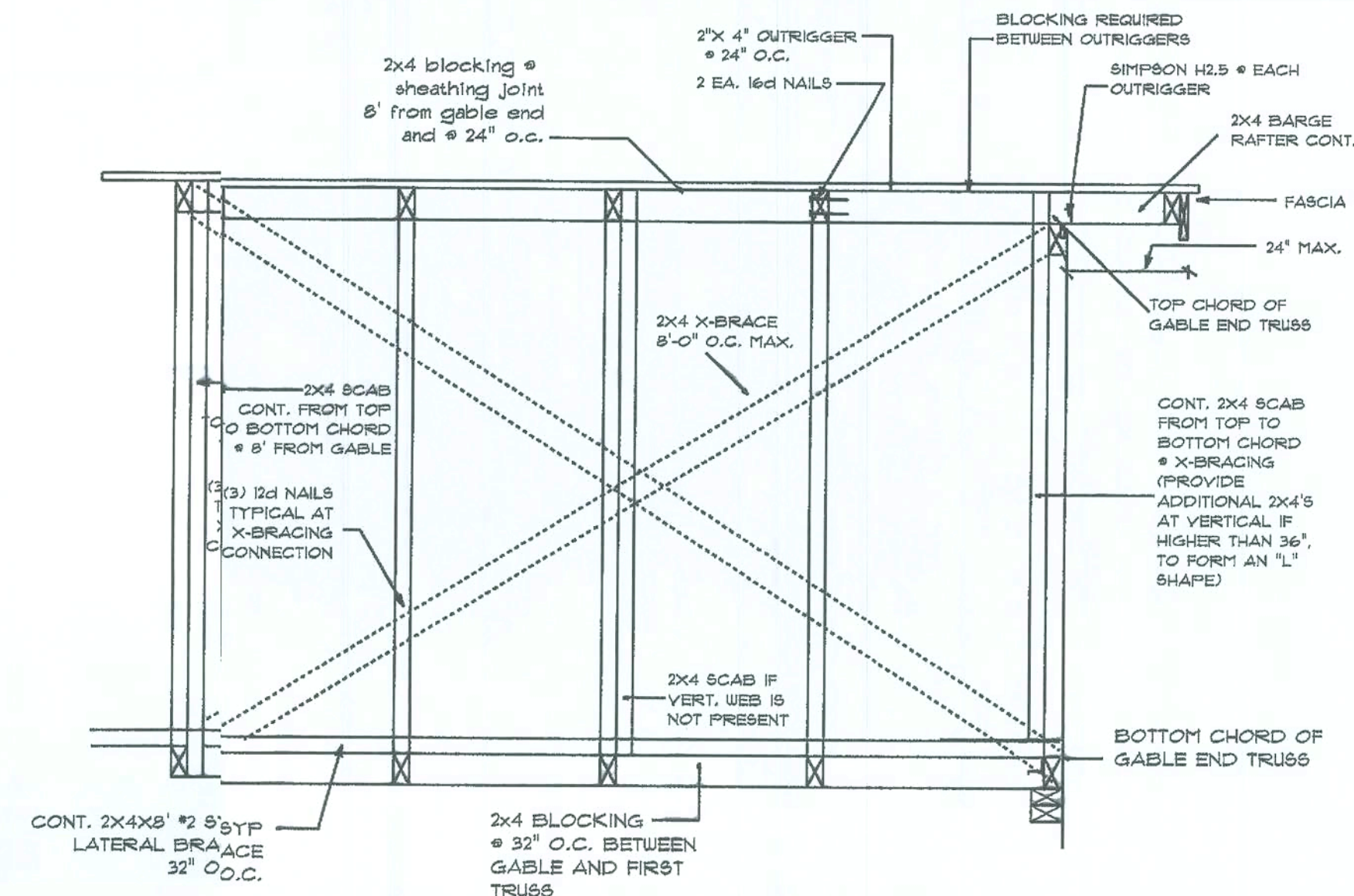
NOTES: ALL EDGES T TRUSSES 6" O.C. ON THE EDGE AND INTERMEDIATE TRUSSES 12" O.C.
ALL NAILS BE #8 RING SHANK NAILS MIN.

ROOF ATTACHMENT PLAN (NTS)



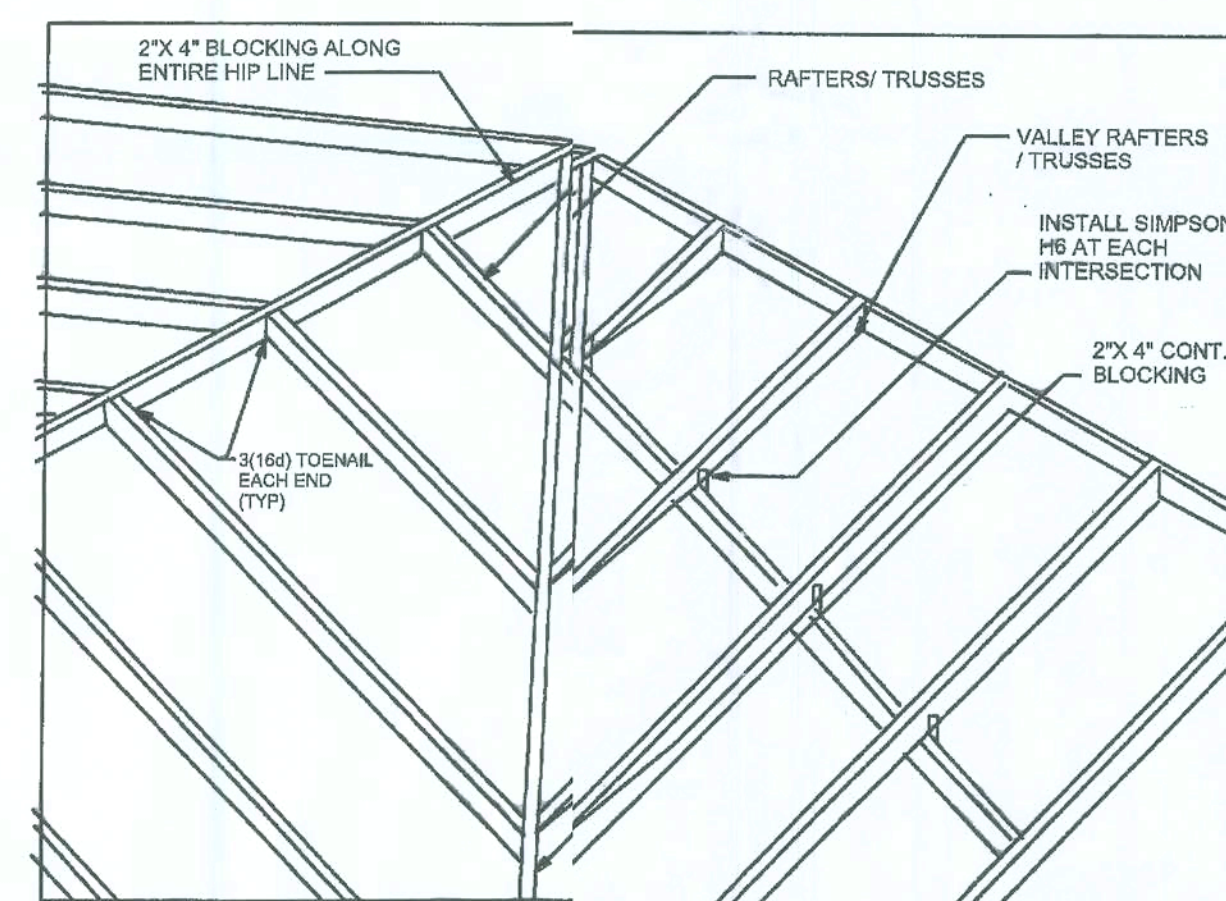
NOTE: 10d NAILS @ 16" O.C. ELSEWHERE

TOP PLATE SPLICE



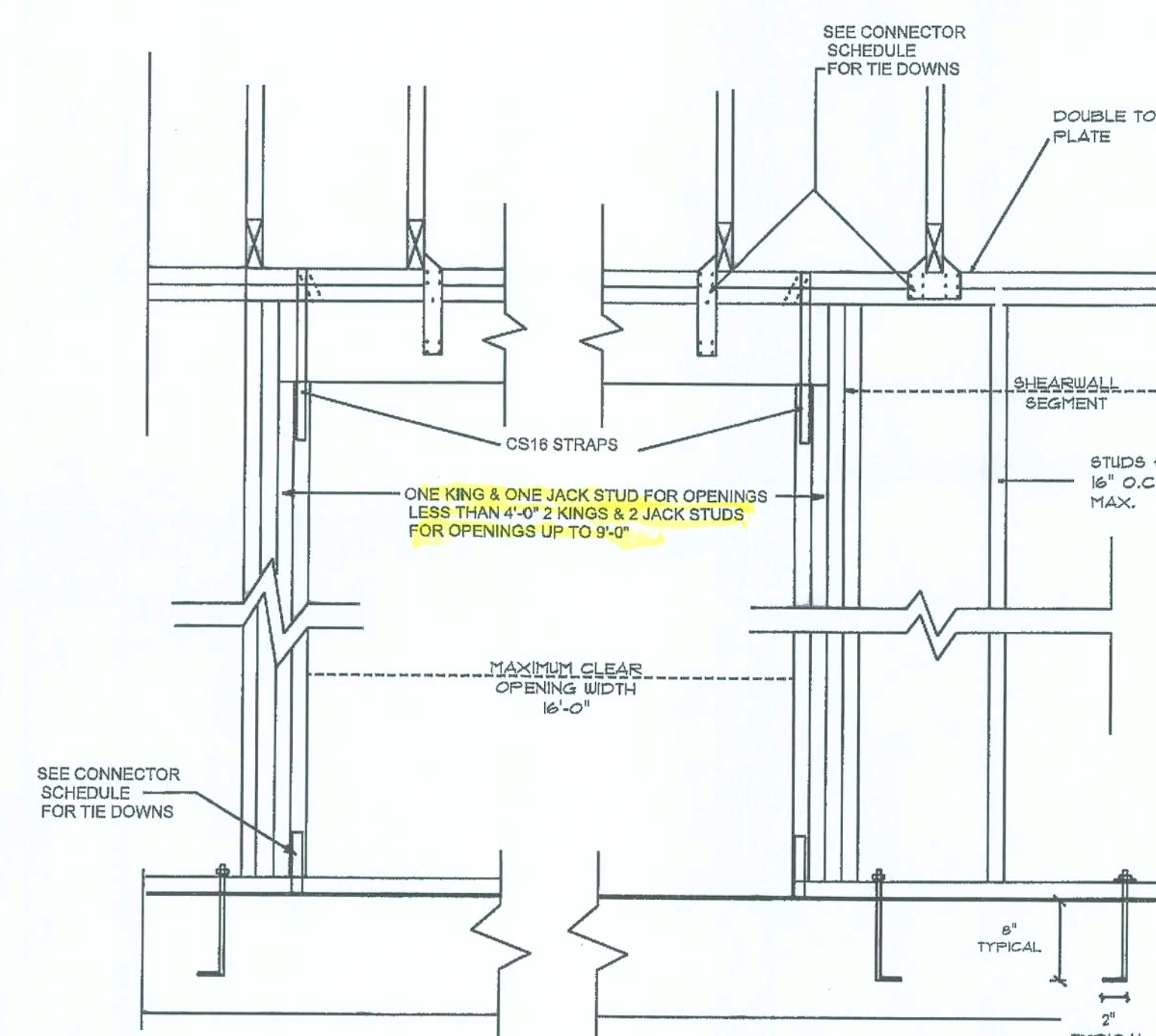
NOTES: 1) Unbraced length of x-bracing may not exceed 10 ft. If length exceeds 10 ft., additional scabs are required.
2) Siding omitted for clarity.

FRAMING GABLE END

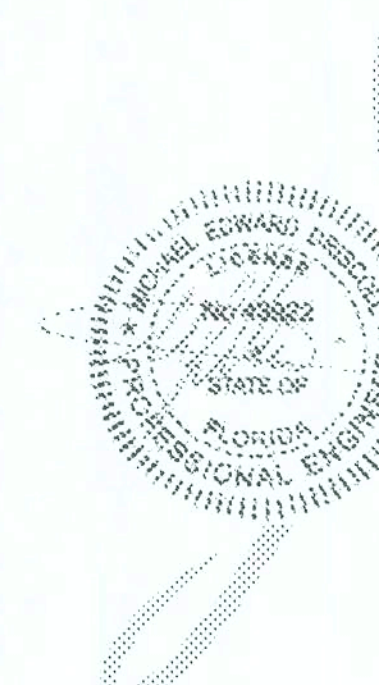


CONTINUOUS 2"x 4" MIN. VALLEY BLOCKING (2) EACH 16d TOENAILS EACH END EACH PIECE. ROOF SHEATHING FROM ADJACENT PLANES TO BE CONNECTED TO COMMON RAFTERS & BLOCKING

SHEATHING MAY BE PROVIDED BETWEEN MAIN ROOF TRUSSES & VALLEY SET TRUSSES

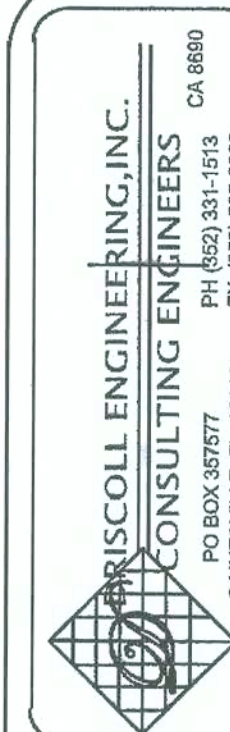


LOAD BEARING WALL OPENING FRAMING DETAIL



Digitally signed by Michael E. Driscoll PE
DN: c=US, st=Florida, l=Gainesville, o=Driscoll Engineering, Inc., cn=Michael E. Driscoll PE,
email=med@driscollengineering.com
Date: 2021.01.04 14:11:44 -05'00'

MICHAEL E DRISCOLL PE
FL REG # 43922



HETSLE
2405 SW BRIM ST
LAKE CITY, FL DW20-70

DATE: 1-4-21

sheet
WL 2