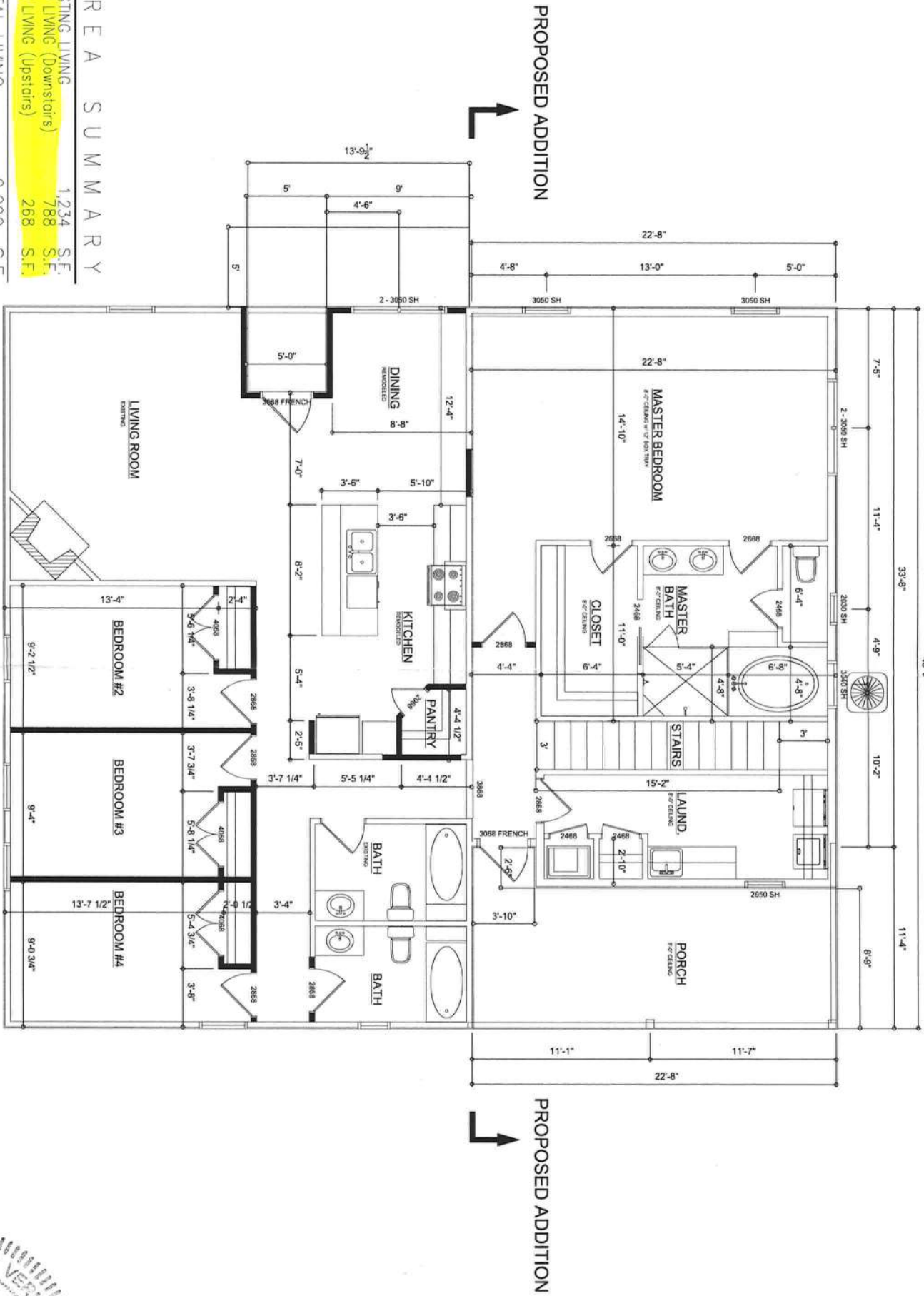


A R E A S U M M A R Y			
EXISTING LIVING	1,234	S.F.	
NEW LIVING (Downstairs)	788	S.F.	
NEW LIVING (Upstairs)	268	S.F.	
TOTAL LIVING	2,290	S.F.	
EXISTING FRONT PORCH	25	S.F.	
NEW FRONT PORCH	68	S.F.	
NEW REAR PORCH	280	S.F.	
TOTAL UNDER ROOF	2,663	S.F.	

RENOVATED FLOOR PLAN
SCALE: 1/4" = 1'-0"

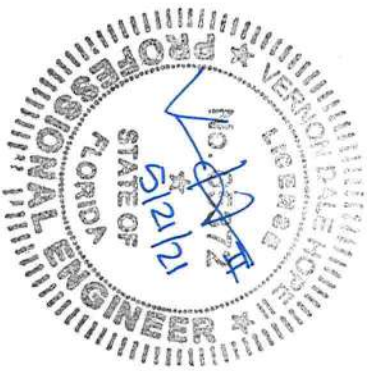
PROPOSED WALLS ARE SHOWN AS
SOLID IN THE EXISTING HOUSE
REMODEL



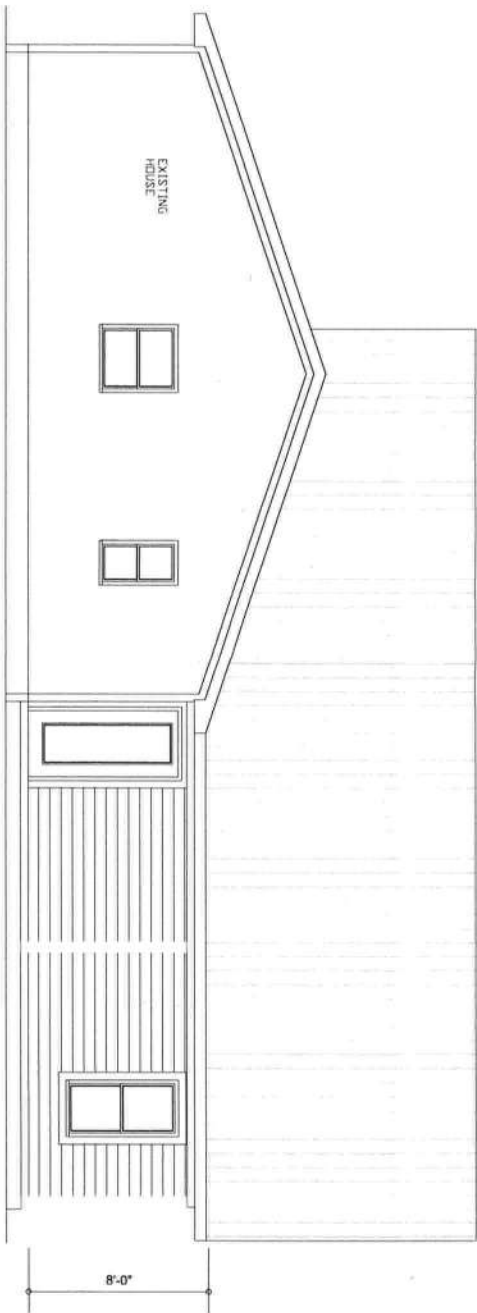


2nd Floor Plan

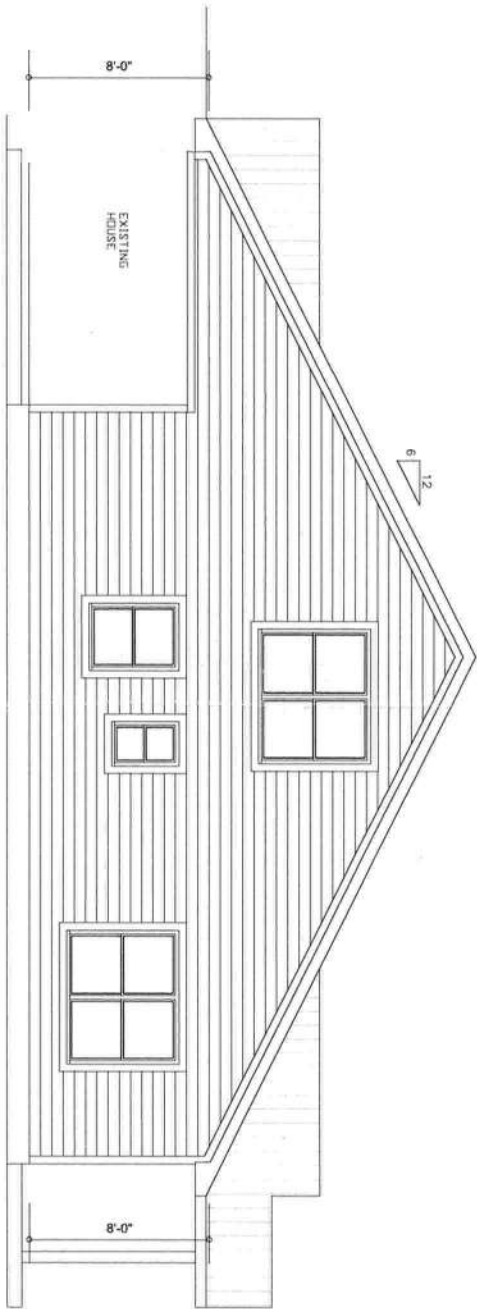
SCALE: 1/4" = 1'-0"



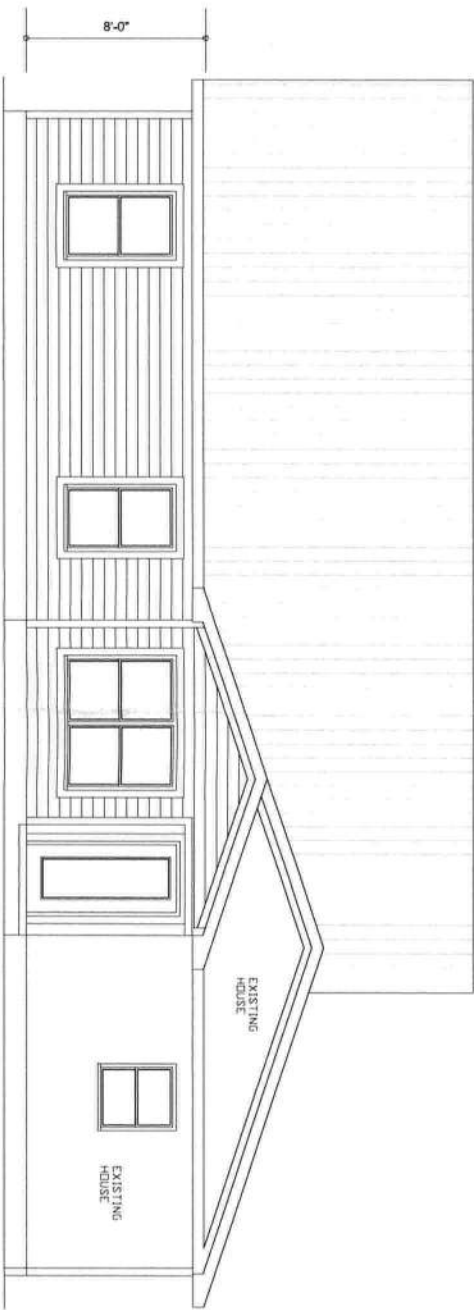
NO.	DATE	REVISION	BY



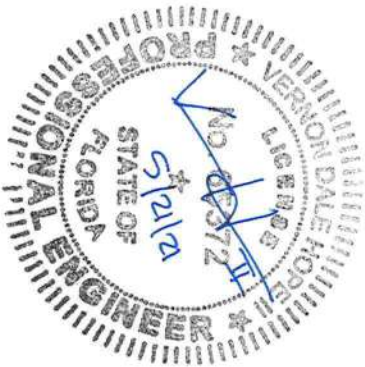
REAR ELEVATION
SCALE: 1/4" = 1'-0"



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

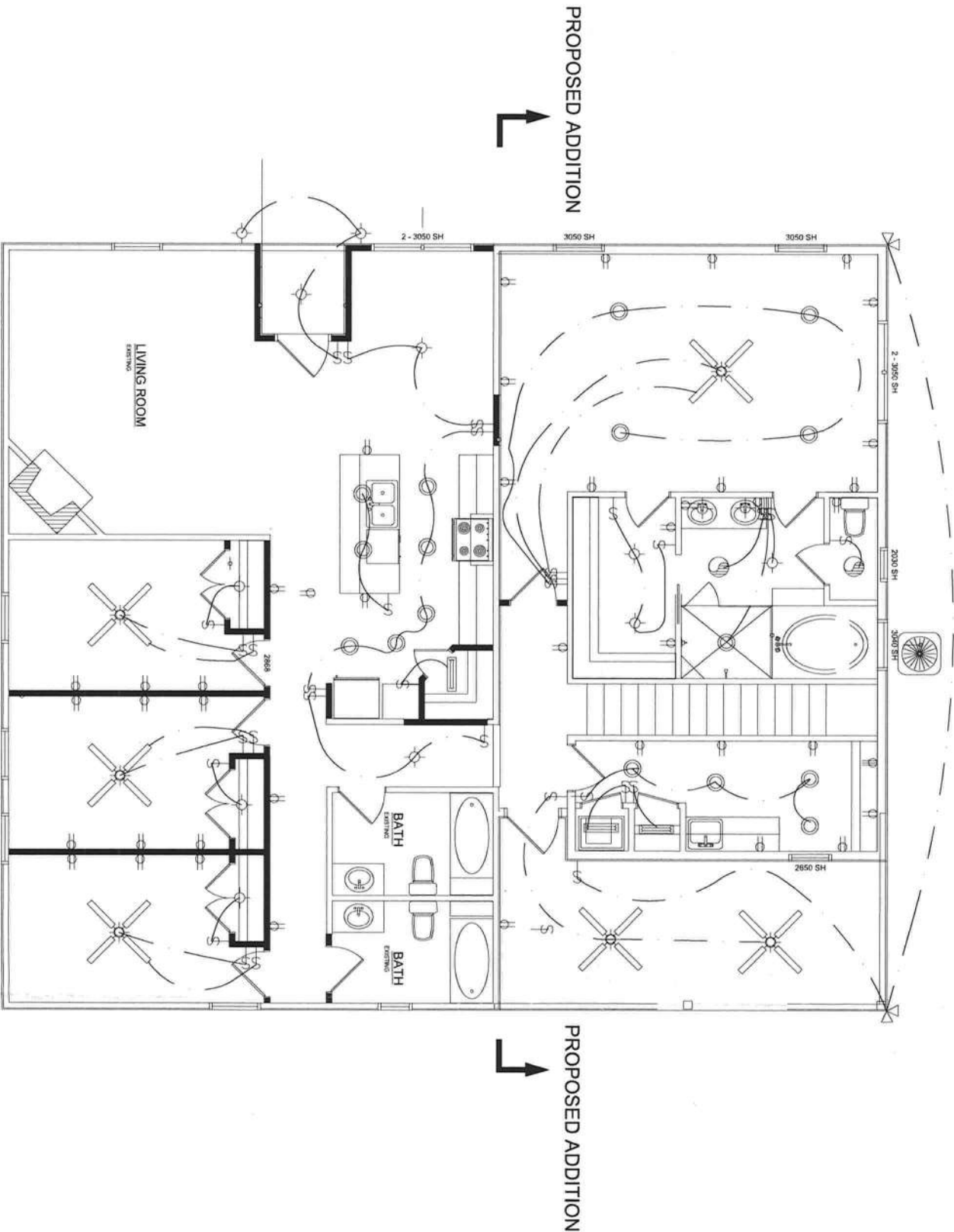


FRONT ELEVATION
SCALE: 1/4" = 1'-0"



NO.	DATE	REVISION	BY

ELECTRICAL LEGEND			
LIGHT FIXTURES		RECEPTACLES	
◆	SURFACE MOUNTED	6	DUPLEX
○	RECESSED	6	QUADRUPLX
▬	FLUORESCENT	6	SPLIT-WIRED DUPLEX
⊗	FLOODS	⊗	SPECIAL PURPOSE
⊗	FAN / LIGHT	6	220 VOLT
SWITCHES		SPECIAL OUTLETS & FIXTURES	
⊗	WEATHERPROOF	⊗	TELEVISION
⊗	GROUND-FALLT INTERRUPTER	⊗	TELEPHONE
⊗	CEILING DUPLEX	⊗	EXHAUST FAN
⊗	FLOOR DUPLEX	⊗	SMOKE DETECTOR (CEILING MOUNTED)
⊗		⊗	SMOKE / CARBON MONOXIDE DETECTOR
⊗		⊗	SMOKE DETECTOR (WALL MOUNTED)
⊗		⊗	DOOR BELL
⊗		⊗	CHIMES
⊗		⊗	PANEL BOX



ELECTRICAL PLAN

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



CHANCEY
417 SW LONCOLA LOOP FORT WHITE
CHANCEY ADDITION \ RENO
ELECTRICAL PLAN

HYDRA ENGINEERING & CONSTRUCTION, LLC
36 JARPER THOMAS ROAD
CRAWFORDVILLE, FL 32327
PHONE (850) 926-2593
FAX (850) 926-9257
WWW.HYDRAEC.COM
FLORIDA CA#28124

DRAWN BY: JDH
CHECKED BY:
DATE: 3/17/21
FILE:

NO.	DATE	REVISION

BY:

CALL BEFORE YOU DIG!
SUPPLINE STATE ONE CALL
811

CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG. GRADE OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES

Columbia County Wind Load Analysis, 130 MPH Design

Randall Merritt, PE, Fla PE #52714
97 Lonnie Raker Lane Crawfordville, Fla 32327

Calculations as per Section 1609, FBC 2020, ASCE 7-16

Job Address:	417 SW Loncala Loop Addition	Date:	May 5, 2021
Contractor:	Joe Hope	Subdivision:	
Import. Factor	1	Bldg Cat 2	Exposure B
Internal Press. Coeff	+/- .18	Lot/Block:	

Mean Roof Height: <30' Roof Slope: 6/12

Hurricane Clips:

ALL BEARING LOCATIONS: 1 SIMPSON H10a or 2-H2.5a
TWO PLY TRUSSES TO USE 2-MTS12
ONE SIMPSON SDWC 15600 6" SCREW PER TRUSS PLY MAY BE USED IN LIEU OF CLIPS
NO SPECIAL CLIP CONSIDERATIONS

Roof Sheathing Material: 7/16" OSB

Fastener: 8d Ringshank Nailing Pattern: Edge: 6" o.c. Field: 6" o.c.

Wall Bracing: 7/16" OSB Sheathing 100% continuous

Fastener: 8d Nailing Pattern: Edge: 4" o.c. Field: 12" o.c.

Straps:

	Brand:	SIMPSON	Model:
		Top	Bottom
Spacing:	1 st Floor	SPH4-48" o.c.	SPH4 48" o.c.
	2 nd Floor	SPH4 48" o.c.	SIMPSON CS16 W/12" END LENGTH 48" o.c.
	Nailing:	10-10dx1 1/2"	

OR: 7/16" structural sheathing nailed w/8d nails 3" o.c. along top and bottom plate centered vertically on 2x4 extreme top or bottom member. If truss screws are used with structural sheathing, the screw must be installed in accordance with installation guidelines.

NOTE: If structural sheathing is used in lieu of SPH4 on gable ends, the gable truss must be secured to the top plate with Simpson A21 angle brackets spaced 24" O.C. or Simpson HGA10KT spaced 36" O.C.

**Anchor Bolts: 1/2" Dia. X min 10" long with 2" washers – min. 7" embedment
exclusive of any curbing or 1/2" x 6" Simpson Titan with 2" washers:**

Spacing: along wall 48" o.c. from each corner 6"



SPECIAL NOTES:

PORCH POSTS MUST USE SIMPSON POST BASE #ABU OR EQ. AND DOUBLE LSTA18.

ON EITHER END OF INTERIOR SHEAR WALLS, AND ON ALL OUTSIDE CORNERS OF THE HOME THAT HAVE AN OPENING WITHIN 3 FEET OF THE CORNER, INSTALL MIN. OF THREE SIMPSON SDWC15450 SECURING THE FULL LENGTH STUDS TO THE BOTTOM PLATE WITHIN THE FIRST THREE FEET. SCREWS MAY BE DOUBLED ON A SINGLE STUD, AND A FULL LENGTH STUD MAY BE ADDED IN THE FIRST THREE FEET IF NEEDED. IF A STUD IS ADDED, IT SHOULD BE SECURED TO THE STUD NEXT TO IT BY NAILING WITH 8D @ 6" O.C. HD3B OR ½" ATR MAY BE SUBSTITUTED FOR SCREWS.

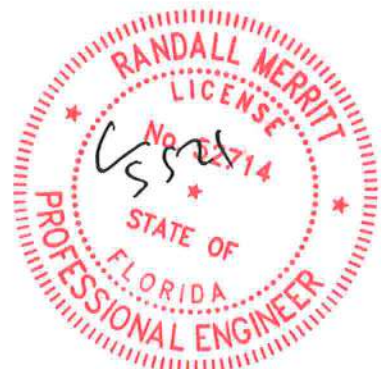
IF STRUCTURAL SHEATHING IS USED, ANY OPENING OVER 4' MUST USE SPH4 STRAPS ON EITHER SIDE OF THE OPENING ON BOTH TOP AND BOTTOM OF A FULL LENGTH VERTICAL STUD AND 4' O.C. BETWEEN SUPPORTS (UNLESS SCREWS PER CHART ARE USED). OPENINGS UNDER 4' TO USE SCREWS OR SIMPSON RSP4 (OR A SUBSTITUTE CLIP WITH A CAPACITY OF 300 LBS UPLIFT IN SPF) AT TOP AND BOTTOM OF FULL LENGTH STUD EITHER SIDE OF OPENING.

INTERIOR LOAD BEARING WALLS TO HAVE ANCHOR BOLTS AND STRAPS. ONE SDWC 15600 AT EVERY STUD TO TOP PLATE CONNECTION, AND ONE SDWC 15450 AT EVERY STUD TO BOTTOM PLATE CONNECTION MAY BE SUBSTITUTED FOR STRAPS UNLESS OTHERWISE NOTED.

PORCH BEAMS TO BE SECURED TO HOUSE FRAMING WITH 2-LSTA 18.

Notes:

- 1) All exterior walls are shear walls and should be nailed to the nailing pattern indicated above.
- 2) There are no interior shear walls.
- 3) All bearing and shear walls to use SPF #2 studs or better.
- 4) Gable ends are required to be sheathed with same material as shear wall.
- 5) ANSI/AWC WFCM-2015 used to determine shear wall requirements.
- 6) Truss engineering utilized when available to determine hurricane clip requirements.

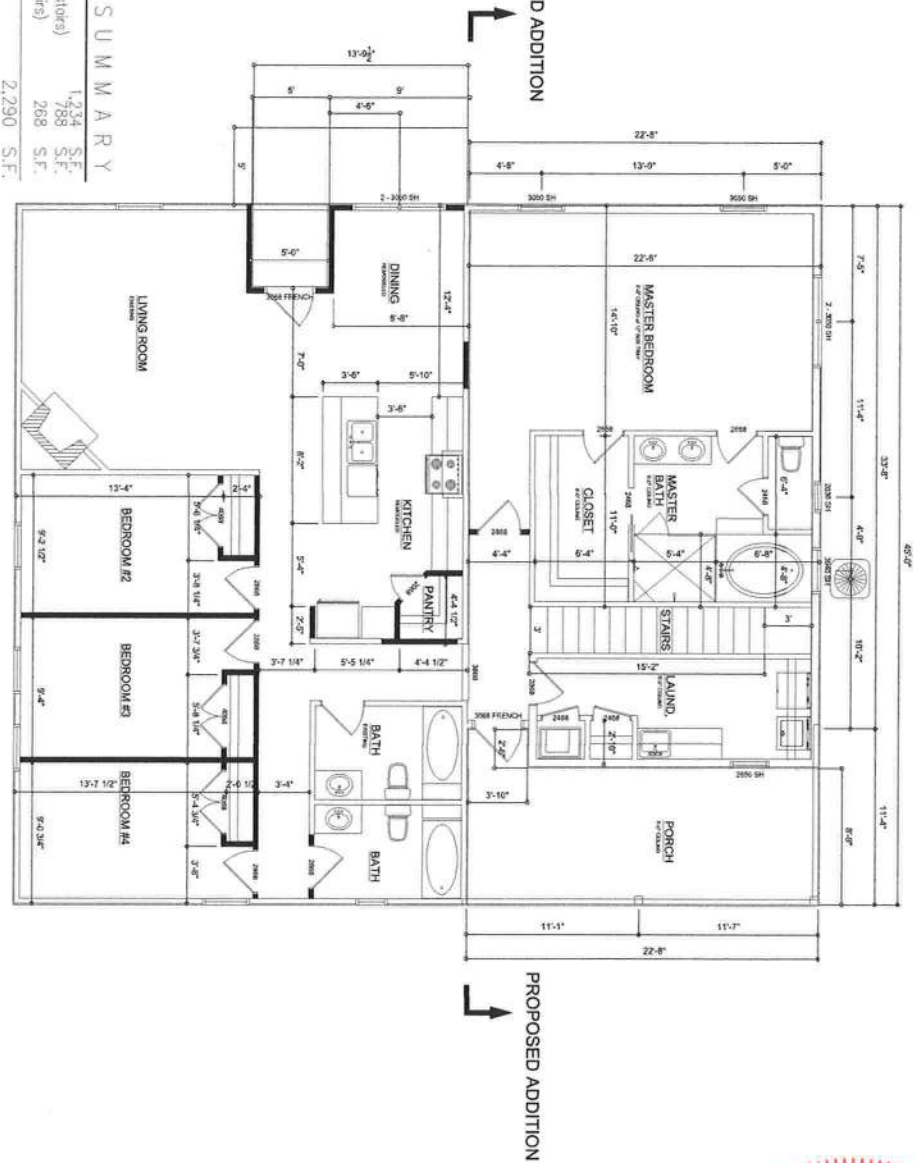


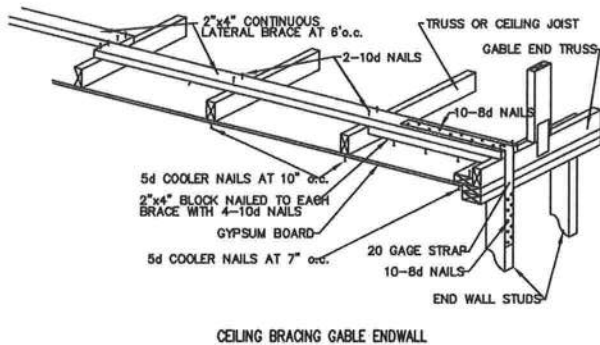
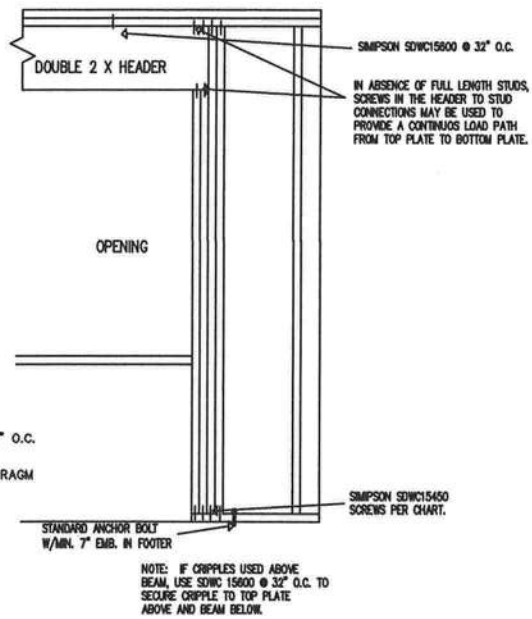
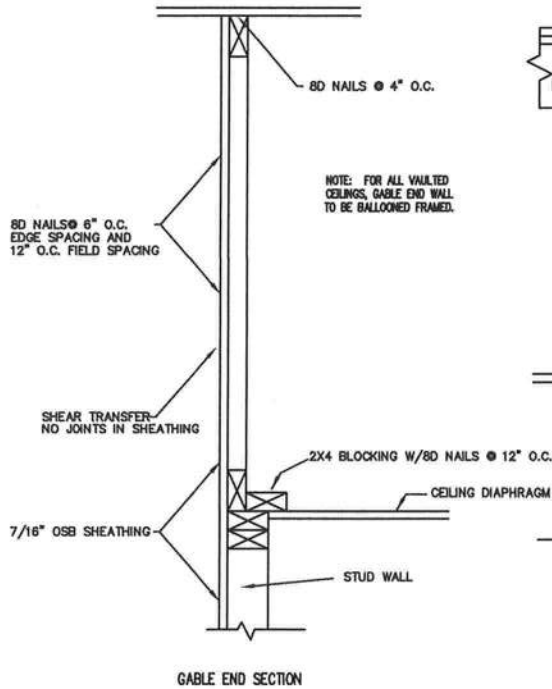
AREA SUMMARY

EXISTING LIVING	1,234	S.F.
NEW LIVING (Downstairs)	788	S.F.
NEW LIVING (Upstairs)	268	S.F.
TOTAL LIVING	2,290	S.F.
EXISTING FRONT PORCH	25	S.F.
NEW FRONT PORCH	48	S.F.
NEW REAR PORCH	280	S.F.
TOTAL UNDER ROOF	2,663	S.F.

RENOVATED FLOOR PLAN
SCALE: 1/8" = 1'-0"

PROPOSED WALLS & USE SHOWN AS
FOOTED IN THE EXISTING HOUSE
REMOVAL





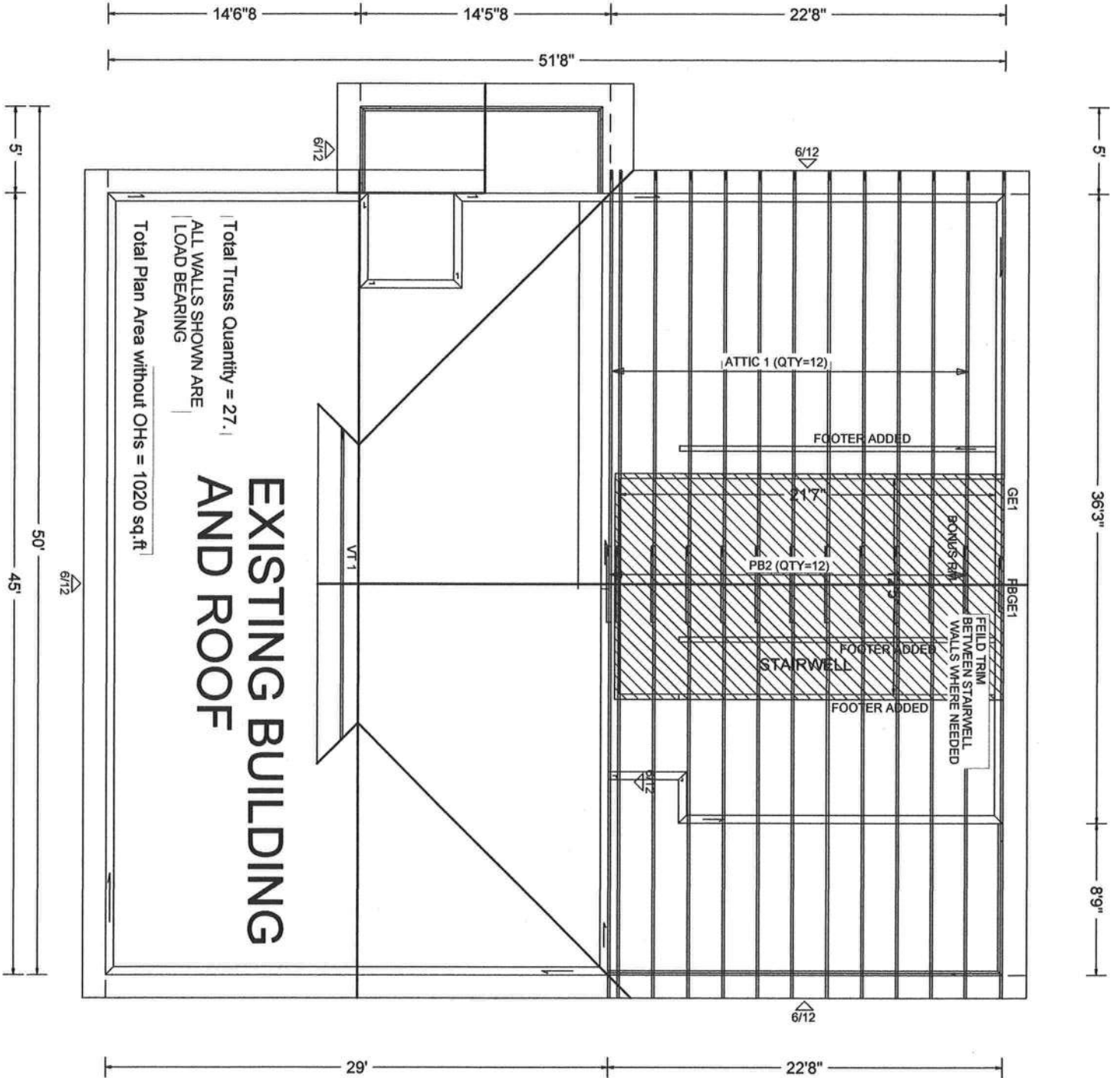
SPAN (FT.)	HEADER SIZE	2X CRIPPLES PER END	SCREWS
0' - 3'4"	2-2X10 W/7/16" OSB FLITCH PLATE	1	1
3'4" - 6'4"	2-2X10 W/7/16" OSB FLITCH PLATE	2	2
6'4" - 9'4"	2-2X12 W/7/16" OSB FLITCH PLATE	3	3
9'4" - 12'4"	3-2X12 W/7/16" OSB FLITCH PLATE	3	4
12'4" - 16'4"	ENGINEERED BEAM	PER BEAM DESIGN SPECIFICATIONS	5
ANY	ENGINEERED BEAM	PER BEAM DESIGN SPECIFICATIONS	CONSULT ENGINEER

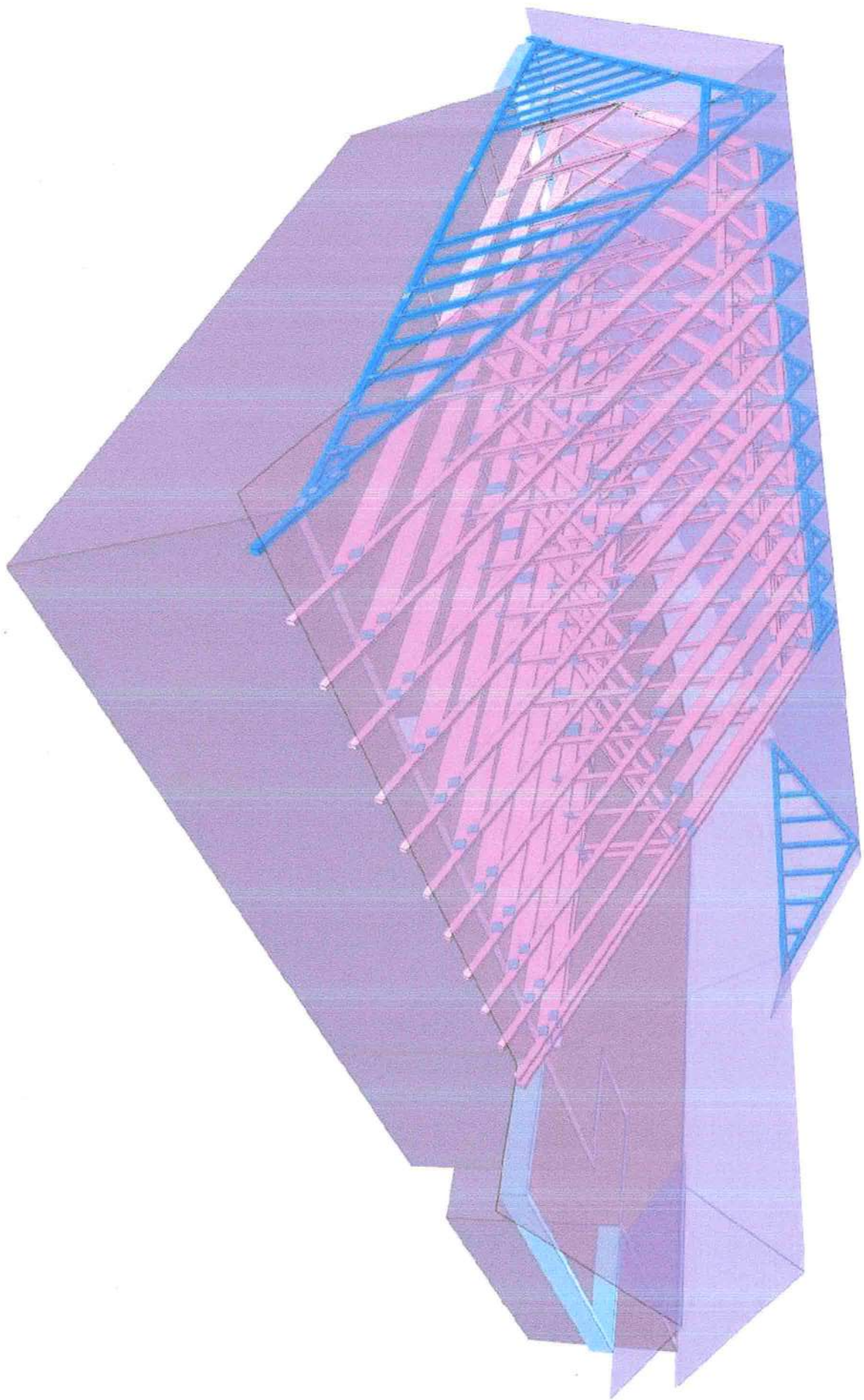
NOTE: SCREWS ARE OPTIONAL ALTERNATIVE TO STANDARD HURRICANE STRAPS. SCREWS TO BE SIMPSON SDWC15450 SECURING STUD TO BOTTOM PLATE AND SDWC15600 SECURING STUD TO TOP PLATE.

COMPONENTS AND CALDDING PRESSURES (10 SQ. FT. EFFECTIVE AREA). ASD LOADS PER 2020 FBC TABLE R301.2(2).

ROOF PITCH	ZONE	120 MPH	130 MPH	140 MPH	ROOF PITCH	ZONE	120 MPH	130 MPH	140 MPH
Gable Roof >7 to 20 degrees	1, 2e	-28.7	-33.7	-39.1	Hip Roof >7 to 20 degrees	1	-26.1	-30.6	-35.5
	2n, 2r, 3e	-41.9	-49.2	-57		2r	-34.0	-39.9	-46.3
	3r	-49.8	-58.4	-67.8		2e, 3	-36.6	-43.0	-49.8
	ALL ZONES	11.6	13.6	15.8		ALL ZONES	11.6	13.6	15.8
Gable Roof >20 to 27 degrees	1, 2e	-22.1	-26.0	-30.1	Hip Roof >20 to 27 degrees	1	-20.8	-24.4	-28.3
	2n, 2r, 3e	-35.3	-41.4	-48.0		2e, 2r, 3	-28.7	-33.7	-39.1
	3r	-41.9	-49.2	-57.0					
	ALL ZONES	11.6	13.6	15.8		ALL ZONES	11.6	13.6	15.8
Gable Roof >27 to 45 degrees	1, 2e	-26.1	-30.6	-35.5	Hip Roof >27 to 45 degrees	1	-22.1	-30.6	-35.5
	2n, 2r, 3e	-28.7	-33.7	-39.1		2e	-26.3	-30.9	-35.9
	3r	-35.3	-41.4	-48.0		2r	-33.3	-39.1	-45.4
	ALL ZONES	11.6	13.6	15.8		3	-35.6	-41.7	-48.4
						ALL ZONES	11.1	13.0	15.1
					Wall	4	-16.9	-19.8	-22.9
						5	-20.8	-24.4	-28.3
						ALL ZONES	15.5	18.2	21.2







Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP #1 T2 T4 2x8 SP SS Dense;
Bot chord 2x10 SP #2 B2 B4 2x10 SP SS Dense;
B3 2x4 SP #1;
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

MAX CSI: TC = 0.97, BC = 0.48, WEBS = 0.57.

140 mph wind, 15.00 ft mean hgt, ASCE 7-16, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B,
wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Wind loading based on both gable and hip roof types.

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SPR SPF-S or better "T" reinforcement, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5" min, nails @ 8" oc.

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Building Designer's requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

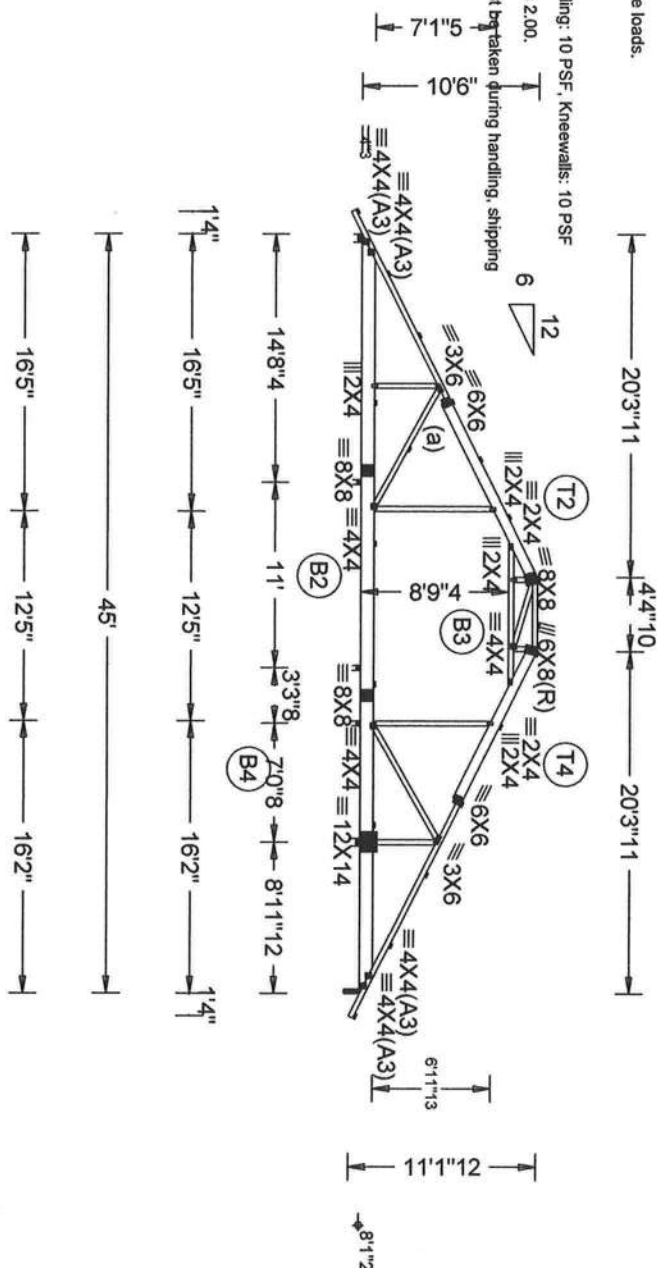
Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Attic room loading from 16-5-0 to 28-10-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFRS LAYOUT

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
TC	69	-1.40	20.31
TC	24	20.31	24.69
TC	75	24.69	46.40
BC	120	0.15	44.88
BC	75	18.36	26.64

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Plates sized for a minimum of 3.50 sq.in./piece.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

OH LEFT RAKE = 15°14

DESC. = ATTIC 1

PLT. TYP. -WAVE

DESIGN CRIT=FBCTHEQ2020/TP12014.FTRT=20(KNLY/00)

R=8228# U=4240 RV=249484# W=5"8

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the Building Component Safety Information, by TPI and WTCA, for safety instructions. Trusses are designed for temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

TPI Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

TPIWBCG: www.tpiwbcg.com; TPI: www.tpi.net; WTCA: www.tpiindustry.com; ICC: www.iccsafe.org



REV# 2498# DL=0.99# W=3" SCALE=0.0922

OH RIGHT RAKE = 15°14

SEQ = 46898

SCALE = 0.0922

REF	DATE	DRWG	RNB	O/A LEN.	JOB #	TYPE
		12-28-2020		45	B52494a	ATTIC