a minimum 6" into footing minimum 12" each way and emb through footing into slab turned - #5 rod placed 72" o.c. up

grade

clean, compacted, treated fill over 6mil vapor barrier over 4" concrete slab w/6x6x10/10wwm w/ 3"x3"x1/8"washer at each bolt

ONE STORY WALL SECTION

siding over vapor barner over 7/16" Windboard O.S.B. nailed from bottom plate to top of double top plate with 8d @ 4" o.c. on edge and 6" o.c.

-1/2" drywall over R-13 batt insulation

all openings top and bottom of wall p.t 2x4 bottom plate w/sill sealant to 1/2"x10" anchor bolts 42" o.c. install one simpson sph4 each side of

`LST strap post to header

Double LVL

6x6 or 8x8 p.t. post

over opening over 12' and up to 14'
Double 1 3/4" x 14" LVL beam over
opening over 14' and up to 16' with
3 king studs each end and 2

trimmers

each

end **9**, beam. over opening up to 12'
Double 1 3/4" x 11-7/8" LVL beam

Double 1 3/4" x 9-1/4" LVL beam

affixing post.

LVL CONNECTION DETAIL

nail holes in ab66 (ab88) filled GxG (8x8) p.t. post 1/2" x 6" red head drilled and installed for each ab44 secured into concrete. All

th Fastened with 12d nails to top plate and framing members. One PA28 at both sides of opening embedded min 4" into concrete. LST18 strap over trimmer to header each side.

as required by truss designer simpson h2.5T at each truss or

Metal roofing min 29ga over 30# felt over 7/16" CDX nailed 4" o.c. on edge and 6" o.c. in field with

C/W H clips

R38 batt/blown-in fiberglass

Gx6 (8x8) p.t. post 1/2" x 6" red head drilled and installed for each ab44 secured into concrete. All nail holes in ab66 (ab88) filled

Wall framing

affixing post.

BEAM CONNECTION DETAIL

`LST strap post to header

Fastened with 12d nails to top plate and framing members underneath.

double top plate with framing members under each beam.

Double 2" x 12" beam notched under

engineered 2x4 truss system

-nidge vent

taped and sanded nsulation over 1/2" drywall

DESIGN SPECIFICATIONS 2017 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL ASCE 7-10, 2005 DESIGN CODES: NDS, ACI, ATIC, AWPA, APA, ICC 600-08

LL O PSF BOTTOM CHORD
DL 7 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD DESIGN LOADS: LL 20 PSF TOP CHORD ROOF TRUSS:

DWELLINGS

OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY

LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS WIO STORAGE ROOF CONVENTIONAL FRAMING:

DL 5 PSF BOTTOM CHORD DL 10 PSF TOP CHORD LL 40 PSF TOP CHORD

MAXIMUM HEIGHT OF STRUCTURE: 21'-4 3 NUMBER OF STORIES: I

TYPE OF CONSTRUCTION: TYPE V-6, UNPROTECTED, UNSPRINKLERED

INTERNAL PRESSURE COEFFICIENT: 0.18 CGpi ± ULTIMATE DESIGN WIND SPEED: 130 MPH NOMINAL DESIGN WIND SPEED: 110 MPH WIND ZONE INFORMATION BUILDING RISK CATEGORY: II BUILDING: ENCLOSED STRUCTURE WIND EXPOSURE CATEGORY: C

ROOF VENT CALCULATION

I SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING 144 SQUARE INCHES = I SQUARE FOOT BUILDING (SQUELING (SQUELING 144 = BUILDING (SQUELING (SQUELING SQUELING SQUEL

PER FBC SECTION R806.2: 40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 3'-0" ABOVE EAVE

BASE OF CALCULATION:

CALCULATED UNELA FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM PROPERTY LINE

(b) SOFFIT VENTS - GP T3-1/3" FULL VENT PERFORATED W/ 9, I 9 SQ IN (NFVA) PER LINEAL FT

(a) OFF RIDGE VENTS - STAMPCO W/ 36 SQ IN (NFVA) PER LINEAL FT

ANEA	(5Q FT)	
REQUIRED PROVIDED	HIGH	
	MOT	
	VENTS	
	(SQ IN)	
	LL	

(SQ IN)

SOFFIT TABLE VENT SPECS

Tople 4° center vent has a 4.78 sq. inches/sq. foot rating Triple 4" basketweave full vent has a 14.34 sq. inches/sq. foot rating Inple 3-1/3" hidden vent soffit has a 9.19 sq. inches/sq. foot rating Beaded hidden vent soffit has 2.66 sq. inches/sq. foot rating Imple 4" full vent soffit has a 5.867 sq. inches/sq. foot rating ple 4" center vent soffit has a 1.956 sq. inches/sq. foot rating uble 5" perforated soffits have a 6.20 sq. inches/sq. foot rating

NOTE

7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD # 4" O.C. ON EDGES

NOTE

maximum spacing of 42° o.c., may be used in lieu of $5/8^\circ x 10^\circ$ anchor bolts with $3^\circ x 3^\circ x 1/8^\circ$ washer. Titen HD Heavy-Duty Screw Anchors shall Screws to be installed per manufacturer's specifications. Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8" Jumpson Strong-lie Co. Strong-Drive SDWC TRUSS Screws may be used for uplift connection in lieu of straps. Strong-Drive SDWC TRUSS Simpson Strong-Tie Co. Strong-Drive SDWC TRUSS Screws may

be installed per manufacturer's specifications.

ROOF SHEATHING FASTENING

4" O.C. GABLE END

6" O.C. EDGES (ALL ZONES)

6" O.C. INTERMEDIATE FRAMING (ZONE 3)

SEE FIGURE R803.2.3.1, SECTION R803.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)

ROOF NOTES

SHEATHING NAILING ZONES

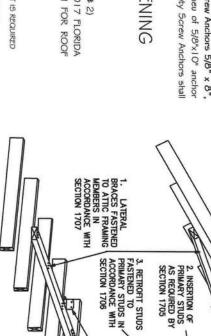
OVERLAP ROOFING UNDERLAYMENT 4'(MIN) OVER HIPS AND RIDGES ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED

BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY:

DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT AT EAVES

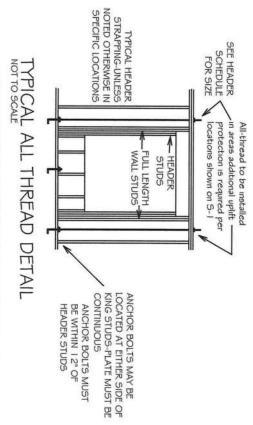
METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURERS SPECS ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION

I"SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING

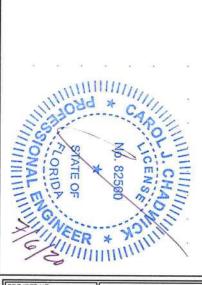


THIS FIGURE SHOWS A TRUSS G.
IN ORDER TO SHOW STRAPS, CO
THE METHODOLOGY FOR A CONV
NOT ALL DETAILS ARE SHOWN. GABLE END USING THE L—BENT STRAP METHOD XXMPRESSION BLOCKS ARE NOT SHOWN. IVENTIONALLY FRAMED GABLE END IS SIMILAR.

GABLE END BRACING



UPLIFT CONNECTIONS REQUIRED AT POINT "A" (TOP & BOTTOM OF CRIPPLES) UPLIFT LOAD PER FRAMING MEMBER ABOVE THE HEADER MULTIPLIED BY THE NUMBER OF FRAMING MEMBERS DIVIDED BY TWO



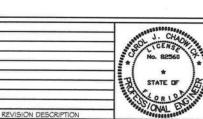
FL20114

JULY 6, 2020

5-3

MATTHEWS RESIDENCE FRAMING DETAILS LAKE CITY, FL

MARC & BECKY MATTHEWS 386.344.2029



6. COMPRESSION BLOCK PLACE AT THESE LOCATIONS OVER THE L-STRAP BRACING.



4. LATERAL BRACES
ATTACHED TO
RETROPT STUDS WITH
STRAPS USING
L-STRAP OR U-STRAP
METHOD IN
ACCORDANCE WITH

P OR U-STRAP

SECTION 1708

5. GABLE END WALL
CONNECTED TO WALL
BELOW IN ACCORDANCE
WITH SECTION 1709