

DATE

REVISION DESCRIPTION

S-2

grade

clean, compacted, treated fill over 6mil vapor barrier over

ONE STORY WALL SECTION

from bottom plate to top of double top plate with 8d @ 4" o.c. on edge and 6" o.c.

I - #5 rod placed 72" o.c. up through footing into slab turned minimum I 2" each way and embeded a minimum 6" into footing

7/16" Windboard O.S.B. nailed

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

all openings top and bottom of wall install one simpson sph4 each side of

p.t 2x4 bottom plate w/sill sealant t 1/2"x10" anchor bolts 42" o.c. w/ 3"x3"x1/8"washer at each bolt 4" concrete slab w/6x6x10/10wwm

LST strap post to header

- Double LVL

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

ab44 secured into concrete. All nail holes in ab66 (ab88) filled

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.

6x6 (8x8) p.t. post 1/2" x 6" red

trimmers

each

end ф, 6x6 or 8x8 p.t. post

over opening up to 1.2"

Double 1.3/4" x 11-7/8" LVL beam over opening over 1.2" and up to 1.4"

Double 1.3/4" x 1.4" LVL beam over opening over 1.4" and up to 1.6" with 3 king studs each end and 2.

head drilled and installed for each

affixing post.

LVL CONNECTION DETAIL

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

ab44 secured into concrete. All nail holes in ab66 (ab88) filled 6x6 (8x8) p.t. post 1/2" x 6" red head drilled and installed for each

Wall framing

affixing post.

BEAM CONNECTION DETAIL

engineered 2x4 truss system

ridge vent

LST strap post to header

and framing members underneath. Fastened with 12d nails to top plate double top plate with framing members under each beam. Double 2" x 12" beam notched under

nsulation over 1/2" drywall

taped and sanded

DESIGN SPECIFICATIONS DESIGN CODES:

- 2017 FLORIDA BUILDING CODE (FBC) RESIDENTIAL ASCE 7-10, 2005
- DESIGN LOADS: OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS NDS, ACI, ATIC, AWPA, APA, ICC 600-08
- LL 20 PSF TOP CHORD
 LL 0 PSF BOTTOM CHORD
 DL 7 PSF TOP CHORD
 DL 5 PSF BOTTOM CHORD ROOF CONVENTIONAL FRAMING: 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 W/O STORAGE LL 40 PSF TOP CHORD FLOORS:
- LL 0 PSF BOTTOM CHORD DL 10 PSF TOP CHORD DL 5 PSF BOTTOM CHORD
- MAXIMUM HEIGHT OF STRUCTURE: 17.00' NUMBER OF STORIES: I
- TYPE OF CONSTRUCTION: TYPE V-G, UNPROTECTED, UNSPRINKLERED

WIND ZONE INFORMATION

BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130 MPH
NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II INTERNAL PRESSURE COEFFICIENT: 0.18 CGp1 ± WIND EXPOSURE CATEGORY: C

ROOF VENT CALCULATION

I SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING 144 SQUARE INCHES = I SQUARE FOOT BUILDING (SQ FI) X 144 = BUILDING (SQ IN) BUILDING (SQ IN) 300 = SQ IN OF VENT REQUIRED SQ IN OF VENT REQUIRED 1/2 = 50% AT HIGH AND 50% AT LOW PER FBC SECTION R806.2: 40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A

BASE OF CALCULATION:

MIN 3'-0" ABOVE EAVE

(b) SOFFIT VENTS - GP T3-1/3" FULL VENT PERFORATED W/ 9.19 SQ IN (NFVA) PER LINEAL FT (a) OFF RIDGE VENTS - STAMPCO W/ 36 SQ IN (NFVA) PER LINEAL FT

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

(SQ FT)

HOH

VENTS

(SQ IN)

LINEAL

(NI DS)

Tople 4" full vent soffit has a 5.867 sq. inches/sq. foot rating Triple 4" center vent soffit has a 1.956 sq. inches/sq. foot rating Double 5" perforated soffits have a 6,20 sq. inches/sq. foot rating

Beaded nidden vent soffit has 2.66 sq. inches/sq. foot rating Triple 4" center vent has a 4.78 sq. inches/sq. foot rating Triple 3-1/3" hidden vent soffit has a 9,19 sq. inches/sq. foot rating

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

NOTE

Triple 4" basketweave full vent has a 14.34 sq. inches/sq. foot rating

NOTE

Simpson Strong-Tie Co. Strong-Drive SDWC TRUSS Screws may be used for uplift connection in lieu of straps. Strong-Drive SDWC TRUSS Screws to be installed per manufacturer's specifications.

maximum spacing of 42" o.c., may be used in lieu of 5/8"x10" anchor bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duby Screw Anchors shall be installed per manufacturer's specifications. Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8",

ROOF SHEATHING FASTENING

- 4" O.C. GABLE END
- 6" O.C. EDGES (ALL ZONES)
- 6" O.C. INTERMEDIATE FRAMING (ZONE 3)
- SHEATHING NAILING ZONES BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF • 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)
 SEE FIGURE R&O3.2.3.1, SECTION R&O3.1, 2017 FLORIDA

ROOF NOTES

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 UNDERLAWMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY

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

ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION

METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURERS SPECS

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

1. LATERAL BRACES FASTENED TO ATTIC FRAMING MEMBERS IN ACCORDANCE WITH SECTION 1707

3. RETROFIT STUDS
FASTENED TO
PRIMARY STUDS IN
ACCORDANCE MITH
SECTION 1706

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

AS R

ASERTION OF LARY STUDS REQUIRED BY TION 1705

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

CAROL CHADWICK P.E.

12.08 S.W. Terifax Clea Lake City, I. 22.02 So cope on 27.2 So

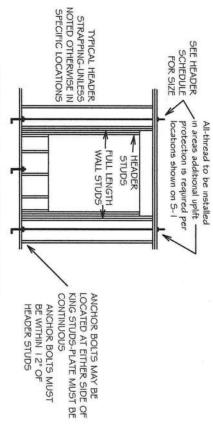
BY

ACCORDANCE WITH SECTION 1708

THIS FIGURE SHOWS A TRUSS IN ORDER TO SHOW STRAPS, COTHE METHODOLOGY FOR A CONNOT ALL DETAILS ARE SHOWN. GABLE END BRACING SABLE END USING THE L—BENT STRAP METHOD OMPRESSION BLOCKS ARE NOT SHOWN. VENTIONALLY FRAMED GABLE END IS SMILAR.

6. COMPRESSION BLOCK AT THESE LOCATIONS O' THE L-STRAP BRACING.

BLOCK PLACE ONS OVER







email=ccpewyo@gmail.com, c=US digital signature., ou, sealed by Carol Chadwick, PE using a has been electronically signed and cn=Carol Chadwick, PE, o=This item Carol Chadwick, PE 2020.06.23 16:06:45 -04'00"

PROJECT	NO.	ari se si s	07:57
	FL	201	16
JUNE	23,	20	20
REVISIO	N DATE		

5-3

KING RESIDENCE FRAMING DETAILS LAKE CITY, FL

GLENWOOD KING CONSTRUCTION, INC. REVISION DESCRIPTION

386.397.4708