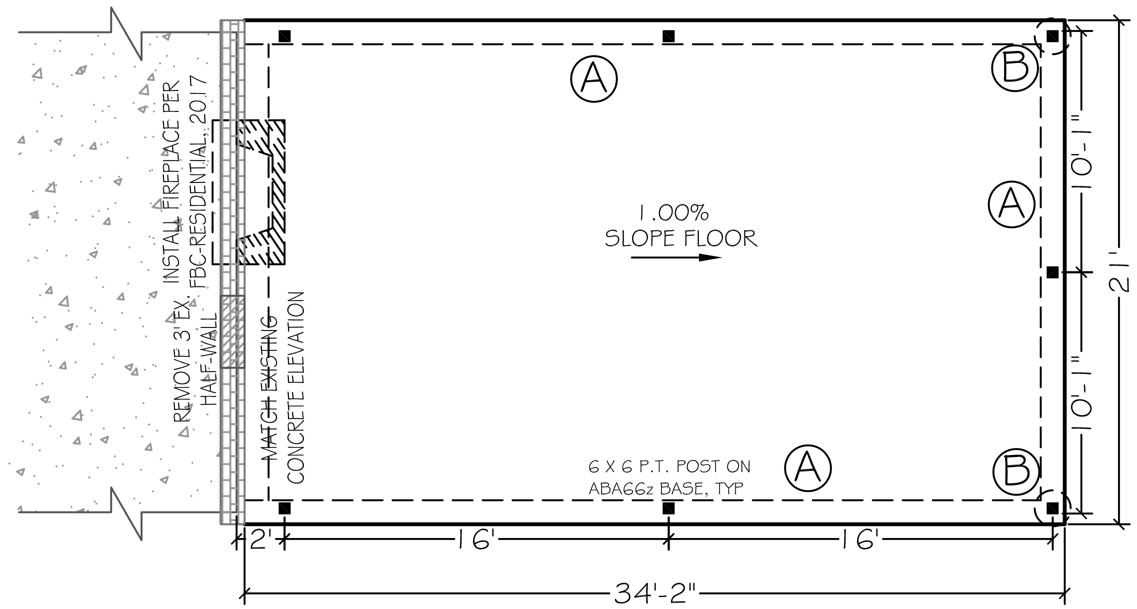
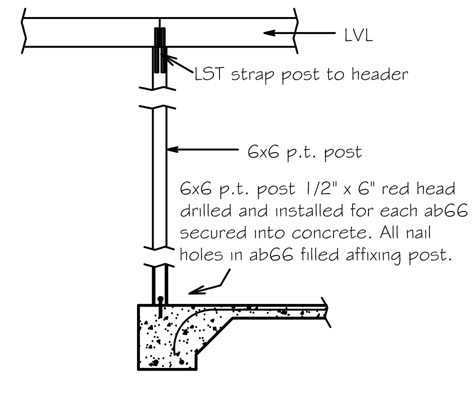
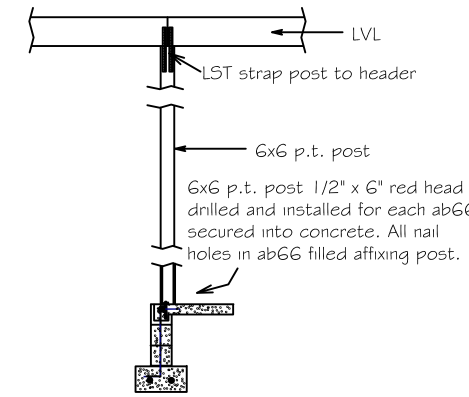
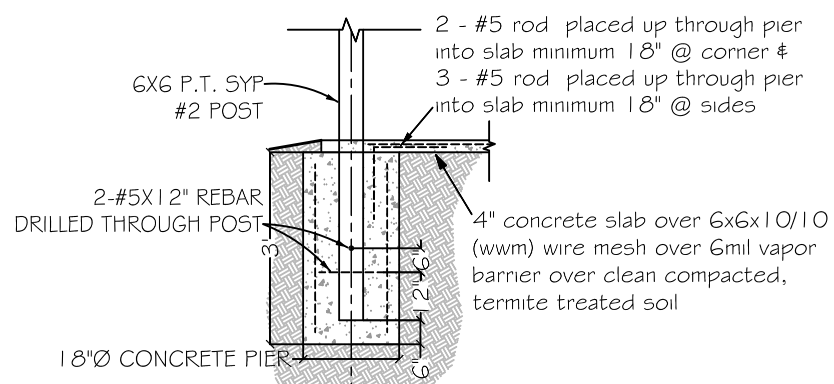


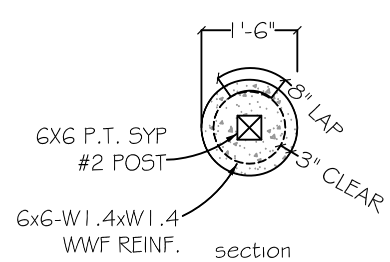


LVL detail connection



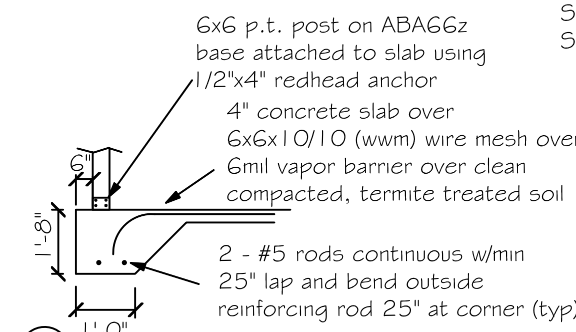
LVL detail connection



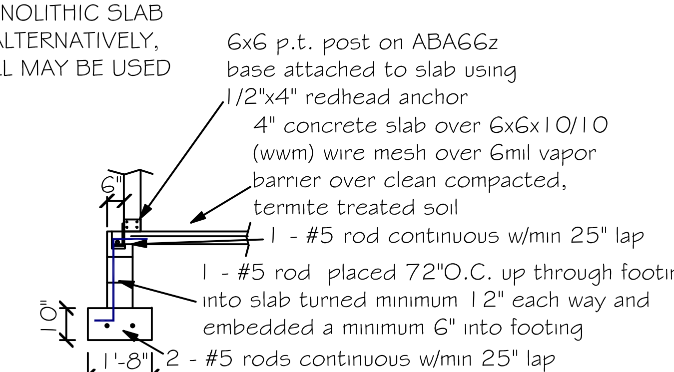


B Embedded post detail

NOTE: MONOLITHIC SLAB SHOWN; ALTERNATIVELY, STEM WALL MAY BE USED



A Monolithic slab detail at carport

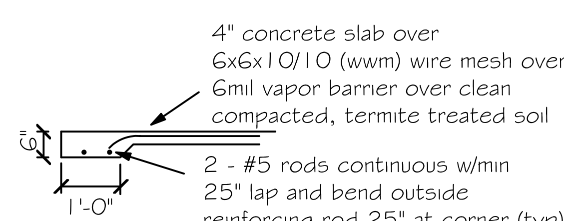


A Stem wall detail at carport

NOTE:
IF ALL POSTS ARE EMBEDDED, NEITHER STEMWALL NOR MONOSLAB IS REQUIRED FOR THE SLAB EXCEPT UNDER FIRE PLACE - INSTALL THICKENED EDGE DETAIL C

FOUNDATION NOTES

1. THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 ½" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL
2. BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC-RES. SECTION R403.1.4



C thickened edge slab detail at carport

NOTE:
SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI

CAROL CHADWICK P.E.
CAROL J. CHADWICK LICENSE No. 82560 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISION DESCRIPTION | DATE

PREPARED FOR
WALLACE CABLE
423.306.1441

CABLE RESIDENCE
FOUNDATION PLAN
299 SW Old Bellamy Road
Fort White, FL

PROJECT NO. FL20069
DATE MAY 6, 2020
REVISION DATE
SHEET S-1

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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.

Simpson Strong-Tie Co. **Titen HD Heavy-Duty Screw Anchors 5/8" x 8"**, maximum spacing of 6'-0" o.c., may be used in lieu of 5/8"x10" anchor bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duty Screw Anchors shall 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)
- 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)

SEE FIGURE R803.2.3.1, SECTION R803.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED

OVERLAP ROOFING UNDERLAYMENT 4'(MIN) OVER HIPS AND RIDGES

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

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

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

ROOF VENT CALCULATION

FORMULA

1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING
144 SQUARE INCHES = 1 SQUARE FOOT
BUILDING CEILING (SQ FT) X 144 = BUILDING (SQ IN)
BUILDING (SQ IN) /300 = SQ IN OF VENT REQUIRED
SQ IN OF VENT REQUIRED /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 MIN 3'-0" ABOVE EAVE

BASE OF CALCULATION:

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

(b) SOFFIT VENTS - GP T3-1/3" FULL VENT PERFORATED W/ 9.19 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

	AREA (SQ FT)	REQUIRED		PROVIDED			
		HIGH	LOW	VENTS	HIGH (SQ IN)	LINEAL FT	LOW (SQ IN)

HIGH: (1) 6' VENT = 216 SQ IN
LOW: (1) LINEAL FT = 9.19 SQ IN

SOFFIT TABLE VENT SPECS

Double 5" perforated soffits have a 6.20 sq. inches/sq. foot rating

Triple 4" center vent soffit has a 1.956 sq. inches/sq. foot rating

Triple 4" full vent soffit has a 5.867 sq. inches/sq. foot rating

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

Triple 4" center vent has a 4.78 sq. inches/sq. foot rating

Beaded hidden vent soffit has 2.66 sq. inches/sq. foot rating

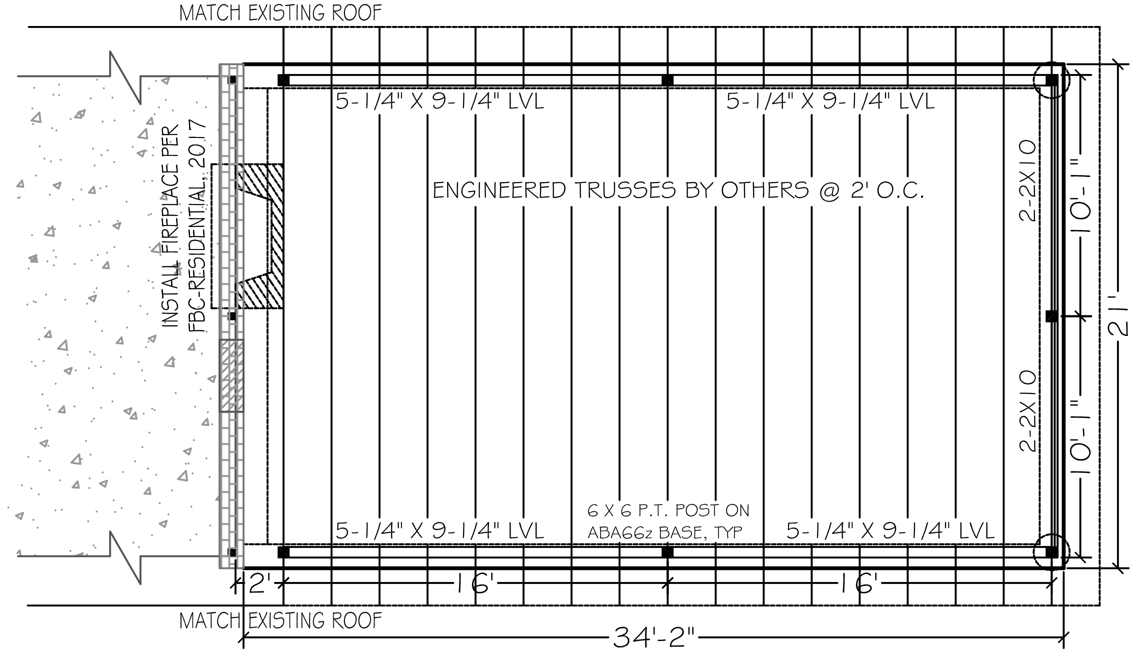
Triple 3-1/3" hidden vent soffit has a 9.19 sq. inches/sq. foot rating

DESIGN SPECIFICATIONS

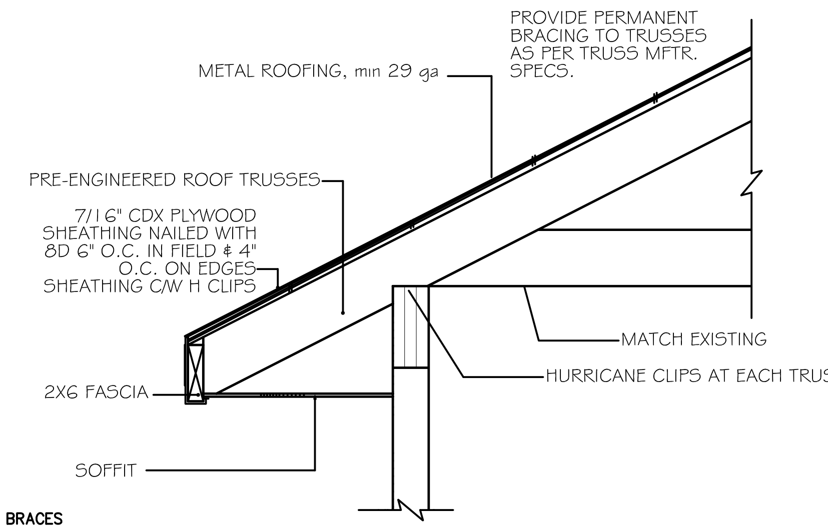
- DESIGN CODES:
  2017 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
  ASCE 7-10, 2005
  NDS, ACI, ATIC, AWPA, APA, ICC 600-08
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS
- DESIGN LOADS:
  ROOF CONVENTIONAL FRAMING:
  LL 20 PSF RAFTERS
  LL 20 PSF CEILING JOISTS
  DL 10 PSF RAFTERS
  DL 10 PSF CEILING JOISTS
  DL 30 PSF ATTICS WITH STORAGE
  DL 10 PSF ATTICS W/O STORAGE
  FLOORS:
  LL 40 PSF TOP CHORD
  LL 0 PSF BOTTOM CHORD
  DL 10 PSF TOP CHORD
  DL 5 PSF BOTTOM CHORD
- MAXIMUM HEIGHT OF STRUCTURE: 18'-10.5"
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-6, UNPROTECTED, UNSPRINKLERED
  WIND ZONE INFORMATION
  BUILDING: ENCLOSED STRUCTURE
  ULTIMATE DESIGN WIND SPEED: 130 MPH
  NOMINAL DESIGN WIND SPEED: 110 MPH
  BUILDING RISK CATEGORY: II
  WIND EXPOSURE CATEGORY: C
  INTERNAL PRESSURE COEFFICIENT: 0.18 CGpi ±

NOTE

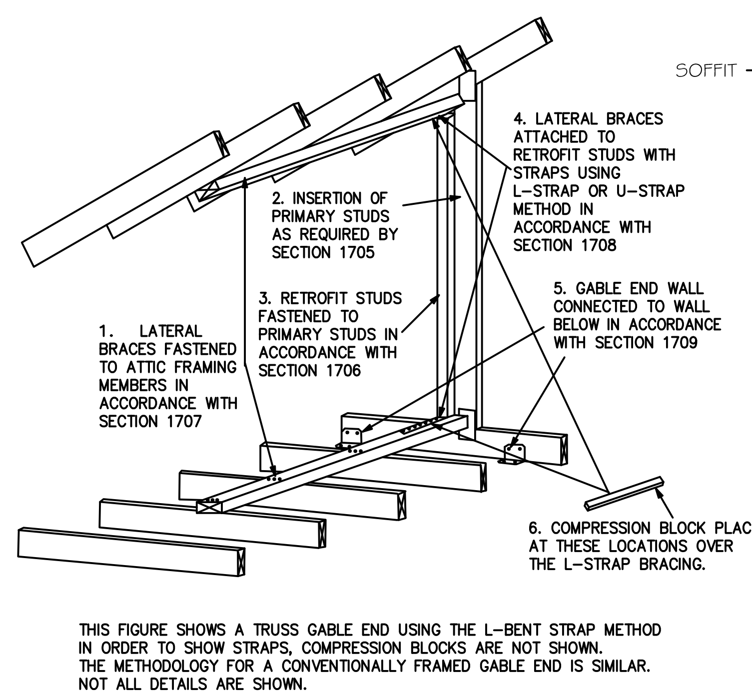
7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD & 4" O.C. ON EDGES



1. EXISTING ROOF PITCH 4:12
2. CONTRACTOR TO VERIFY ROOF OVERHANG PRIOR TO TRUSS DESIGN
3. MATCH EXISTING CEILING IN NEW CARPORT



4" STUD EAVE



THIS FIGURE SHOWS A TRUSS GABLE END USING THE L-BENT STRAP METHOD IN ORDER TO SHOW STRAPS, COMPRESSION BLOCKS ARE NOT SHOWN. THE METHODOLOGY FOR A CONVENTIONALLY FRAMED GABLE END IS SIMILAR. NOT ALL DETAILS ARE SHOWN.

GABLE END BRACING
NOT TO SCALE

CAROL CHADWICK P.E.
1208 SW Fairfax Glen
Lake City, FL 32025
307.680.1772
cpewyo@gmail.com
www.carolchadwickpe.com
FLORIDA ♦ WYOMING
OREGON ♦ CALIFORNIA ♦ N.C.E.E.S.

CAROL J. CHADWICK
LICENSE No. 82560
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE	REVISION DESCRIPTION

PREPARED FOR
WALLACE CABLE
423.306.1441

CABLE RESIDENCE
FRAMING DETAILS
299 SW Old Bellamy Road
Fort White, FL

PROJECT NO. FL20069
DATE MAY 6, 2020
REVISION DATE
SHEET S-2

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