

- DESIGN CODES:
2020 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
ASCE 7-10, 2005
NDS, ACI, ATIC, AWP, APA, ICC 600-08

- DESIGN LOADS

ROOF TRUSS:
LL 20 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 7 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD

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
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD

- WIND ZONE INFORMATION

NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: 0.18

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.

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 FLOOR BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

- 4" O.C. GABLE END
- 6" O.C. EDGES (ALL ZONE)
- 6" O.C. INTERMEDIATE FR.
- 12" O.C. INTERMEDIATE FR.

SEE FIGURE R803.2.3.1, SECTION 602
BUILDING CODE - RESIDENTIAL
SHEATHING NAILING ZONES

ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED
OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIP'S AND RIDGES
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK
WHEN SHINGLES NOT INSTALLED SAME DAY

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



OPENINGS AT 5' WIDE USE (1)
TPP4/G TOP AND BOTTOM
OPENINGS 5' - 7' WIDE USE
(2) TPP4/G TOP AND BOTTOM
HEADER TO JACK-STUD STRAP
PER TABLE RG02.10.6.4 ON
BOTH SIDES OF OPENING

ANCHOR BOLTS MAY BE
LOCATED AT EITHER SIDE OF
KING STUDS-PLATE MUST BE
CONTINUOUS
ANCHOR BOLTS MUST BE
WITHIN 12" OF HEADER
STUDS
5/8" x 10" ANCHOR BOLTS AT
42" O.C. OF FA-3 AT 42" O.C.

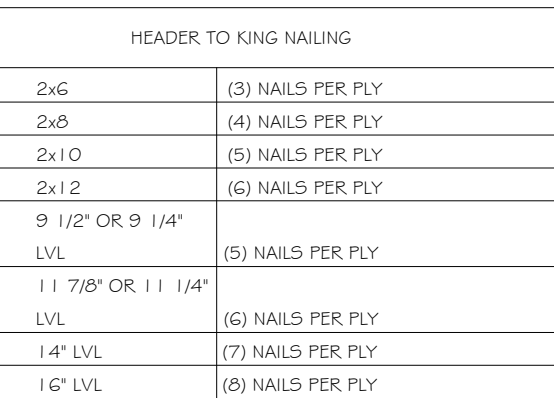
NOT TO SCALE

NOTE:
 UPLIFT CONNECTION IS REQUIRED AT
 EACH END OF HEADER AND AT BOTTOM
 OF HEADER STUDS IN ADDITION TO
 CONNECTORS AT WALL STUDS AND
 AT TOP AND BOTTOM OF CRIPPLES

MAXIMUM HEADER SPAN					
3'	6'	9'	12'	15'	1

NUMBER OF HEADER STUDS (JA
SUPPORTING END OF HEADER

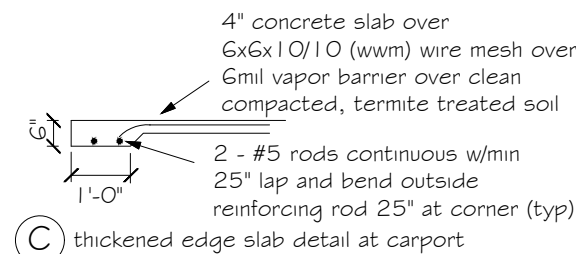
8's	NUMBER OF FULL LENGTH STUDS (KINGS) AT END OF HEAD
10's	



NOT TO SCALE



SCALE: $\frac{1}{4}" = 1'$



1. THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" 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 B.C.R.S. SECTION R403.1.4.

Digitally signed by Carol Chadwick
DN: c=US, o=Florida,
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Date: 2023.03.22 17:39:28 -04'00'

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RIOS CARPORT
FOUNDATION DETAILS

PROJECT NO.
FL23 | 28