

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

- DESIGN LOADS:

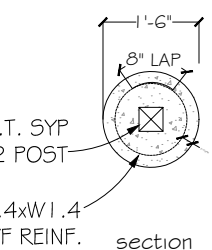
LL 20 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 7 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD

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

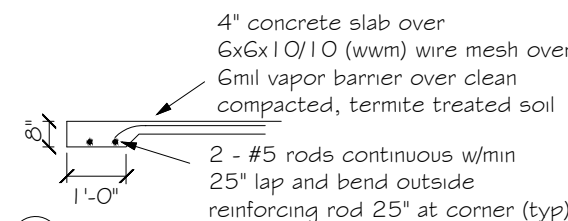
LL 40 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD

- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-G, UNPROTECTED, UNSPRINKLERED

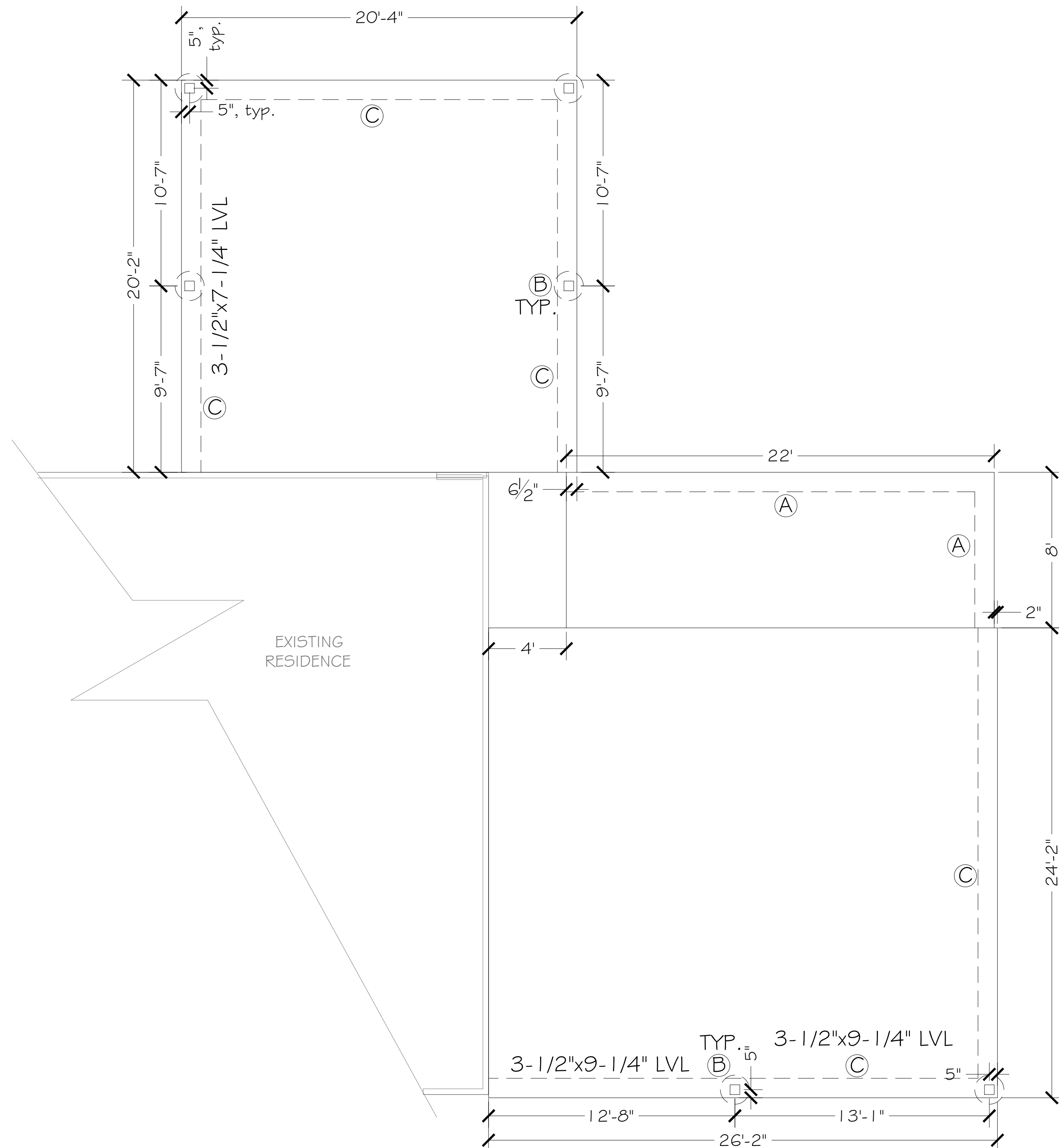
BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130 MPH
NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: 0.18



(B) Embedded post detail



(C) thickened edge slab detail at carport



FOUNDATION PLAN

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

1. THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1/4I, 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 TERMITES-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

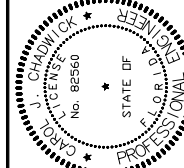


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Seal of the Columbia County Building Department, State of Florida. The seal is circular with the text "Columbia County Building Department" around the top and "State of Florida" around the bottom. In the center, it says "Plans Reviewed for Code Compliance".

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SNIDER ADDITION
FOUNDATION PLAN

PROJECT NO.	FL23290
DATE	JULY 19, 2023
REVISION DATE	
SHEET	5

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 42" 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 THAN 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

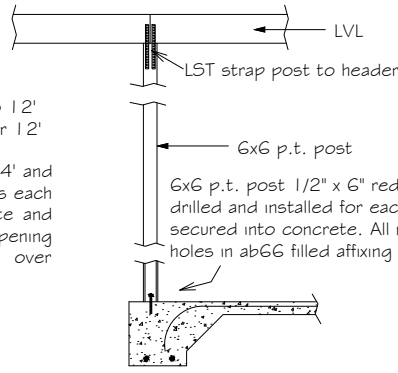
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING

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/ 3/8 SQ IN (INVA) PER LINEAL FT					
(b) SOFFIT VENTS - QF 13-1/3" FULL VENT PERFORATED W/ 9-1/8 SQ IN (INVA) PER LINEAL FT					
CALCULATED UNLDA FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM PROPERTY LINE					
AREA (SQ FT)	REQUIRED	PROVIDED	UNLDA	LOW	LOW
	RIGHT	LOW	VENTS	RIGHT	UNLDA
HIGH: (1) 6' VENT = 216 SQ IN					
LOW: (1) UNLDA FT = 319 SQ IN					
SOFFIT TABLE VENT SPECS					
Double 5" perforated soffits have a 6.20 sq. inchesq. foot rating					
Triple 4" center vent soffit has a 1.956 sq. inchesq. foot rating					
Triple 4" full vent soffit has a 5.067 sq. inchesq. foot rating					
Triple 4" basketweave full vent has a 14.34 sq. inchesq. foot rating					
Triple 4" center vent has a 4.70 sq. inchesq. foot rating					
Beaded hidden vent soffit has a 2.66 sq. inchesq. foot rating					
Triple 3-1/3" hidden vent soffit has a 9.19 sq. inchesq. foot rating					

NOTE

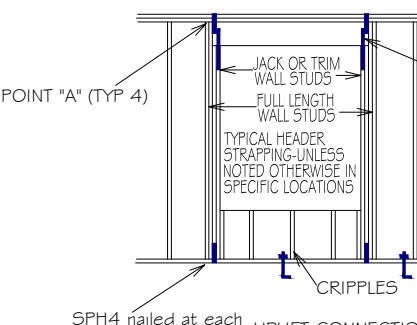
7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD & 4" O.C. ON EDGES

Double 1 3/4" x 9-1/4" LVL beam over opening up to 12'
Double 1 3/4" x 11-7/8" LVL beam 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 of beam. Fastened with 1/2" nails to top plate and framing members. One FA2B at both sides of opening embedded min 4" into concrete. LST18 strap over trimmer to header each side.



LVL detail connection

SEE HEADER SCHEDULE FOR SIZE



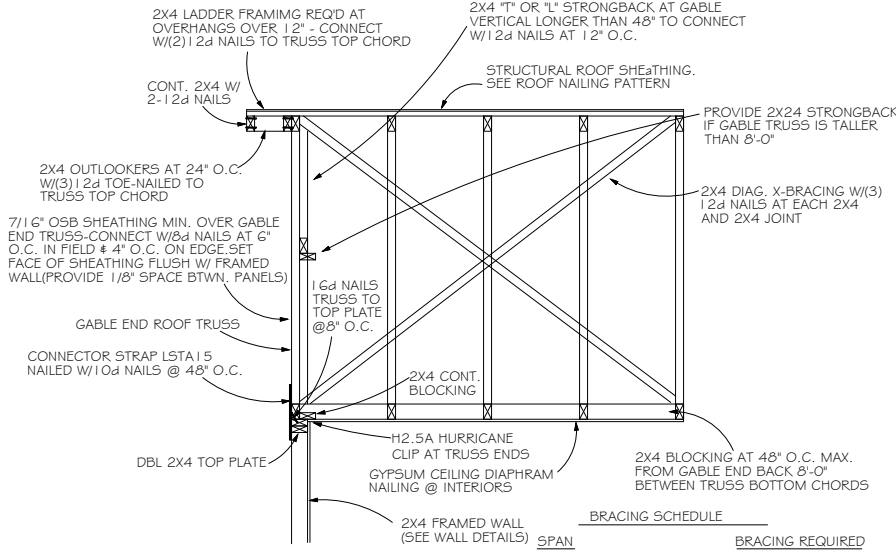
TYPICAL HEADER STRAPPING

OPENINGS AT 5' WIDE USE (1) TFF416 TOP AND BOTTOM OPENINGS 5' - 7' WIDE USE (2) TFF416 TOP AND BOTTOM
HEADER TO JACK-STUD STRAP PER TABLE R602.10 G.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 142" O.C. OF FA-3 AT 42" O.C.

SP14 failed at each side of all openings

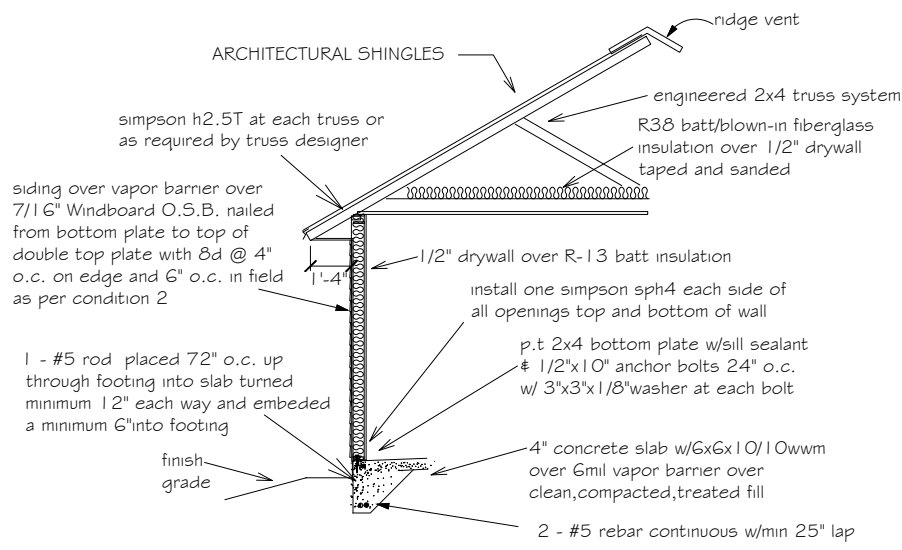
UPLIFT CONNECTIONS REQUIRED AT POINT 'A' (TOP & BOTTOM OF CRIPPLES) UPLIFT LOAD PER FRAMING MEMBER ABOVE THE HEADER MULTIPLIED BY THE NUMBER OF FRAMING MEMBERS DIVIDED BY TWO

TYPICAL HEADER STRAPPING

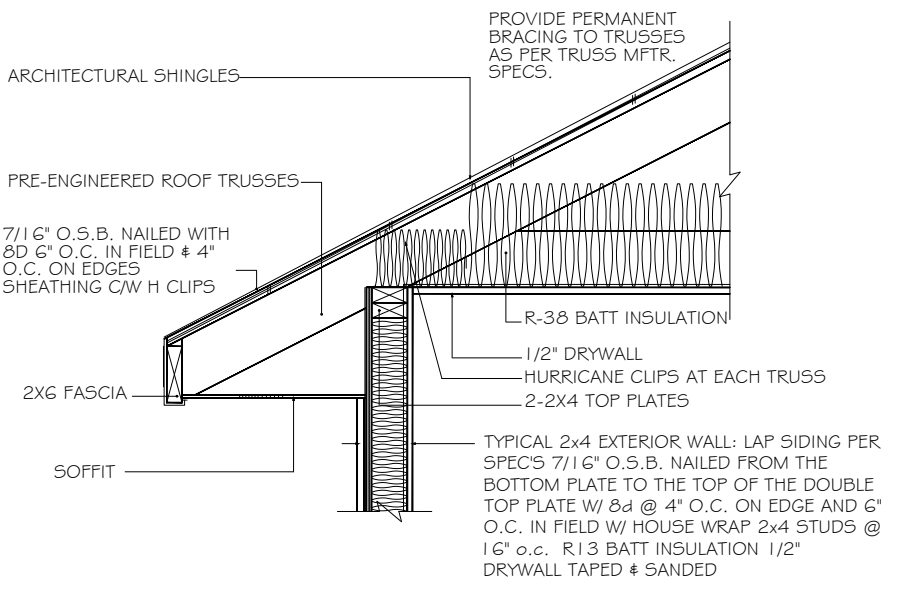


GABLE END BRACING

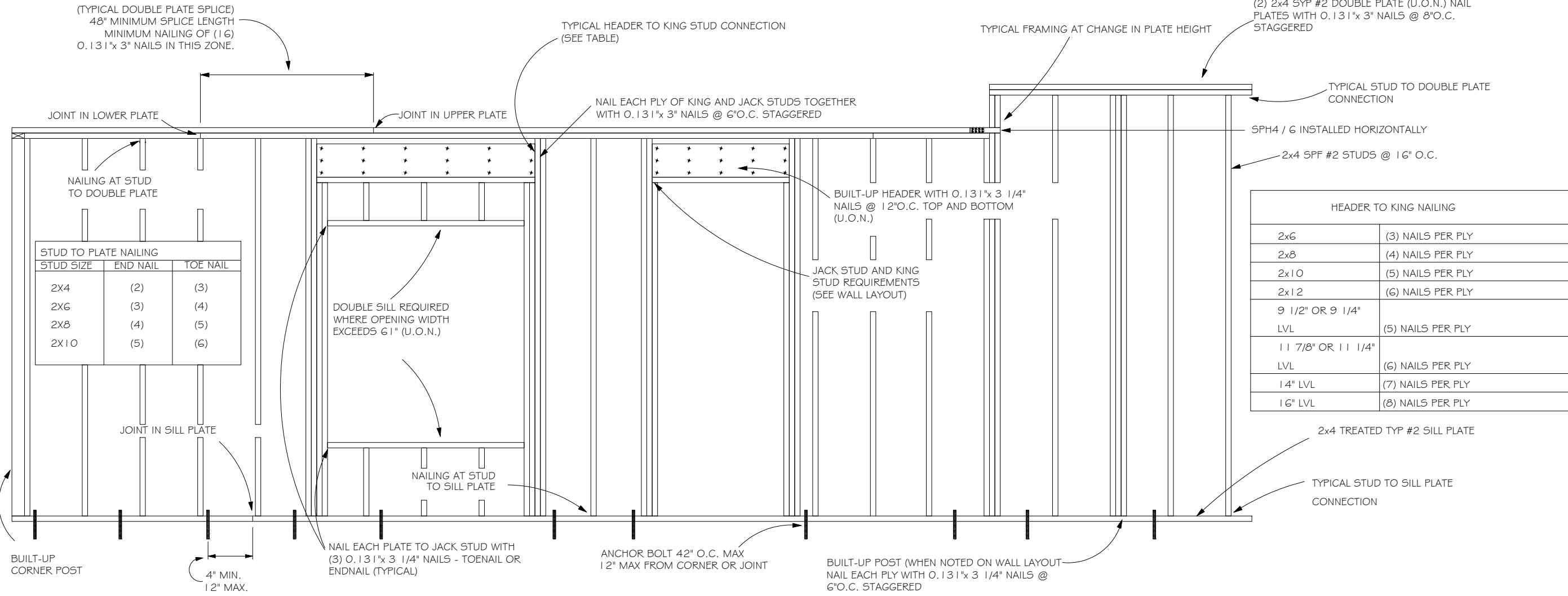
HEADER SCHEDULE		NOTE:	
2X STUD CONTINUOUS TO TOP PLATE		UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS AND AT TOP AND BOTTOM OF CRIPPLES	
2 - 2X STUDS UNDER LINTELS WITH OPENINGS LARGER THEN 5'-0"		MAXIMUM HEADER SPAN	
		3' 6' 9' 12' 15' 18'	
		NUMBER OF HEADER STUDS (JACKS) SUPPORTING END OF HEADER	
		1 1 2 2 2 2	
		NUMBER OF FULL LENGTH STUDS (KINGS) AT END OF HEADER	
		2	
OPENING WIDTH	BEARING OR SHEAR WALL	NON-BEARING WALLS	
0'-0" TO 3'-0"	2 - 2 x 6s	2 - 2 x 4s	
3'-1" TO 5'-0"	2 - 2 x 10s	2 - 2 x 6s	
5'-1" TO 7'-0"	2 - 2 x 10s	2 - 2 x 8s	
7'-1" TO 10'-0"	2 - 2 x 10s	2 - 2 x 10s	



ONE STORY WALL SECTION



4" STUD EAVE



TYPICAL WALL FRAMING

Digitally signed by Carol Chadwick DN: c=US, o=Florida, dnQualifier=A014100000017860D924CE0005954C, cn=Carol Chadwick, Date: 2023.07.19 17:56:20 -0400