

DESIGN SPECIFICATIONS

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

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

- DESIGN LOADS:

ROOF TRUSS:

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

FLOORS:

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

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 C_{gpi} ±

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 HIP AND RIDGES

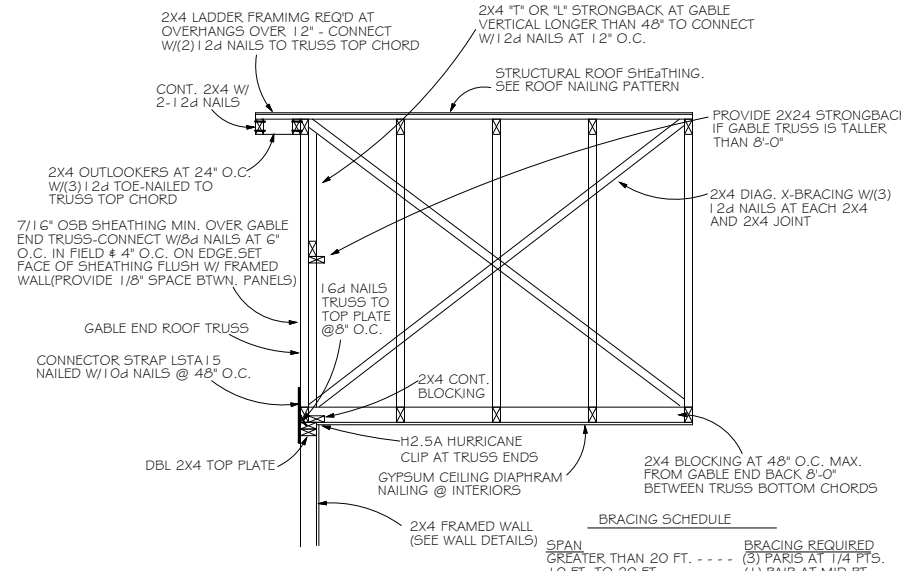
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY

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

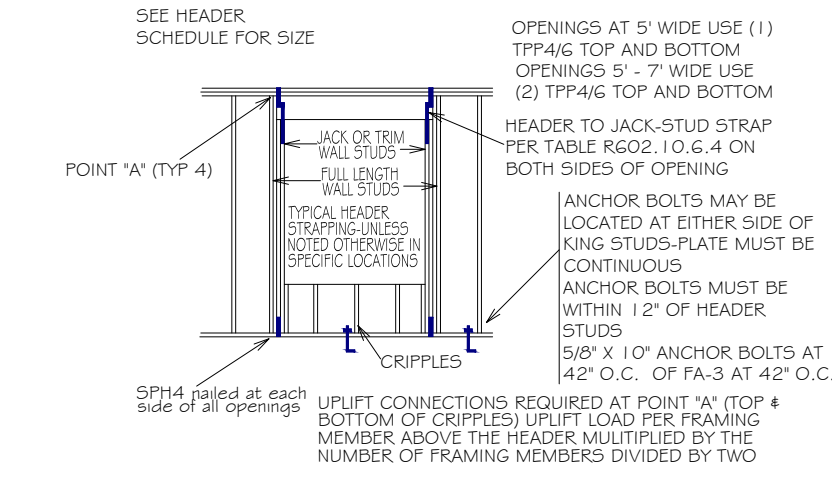
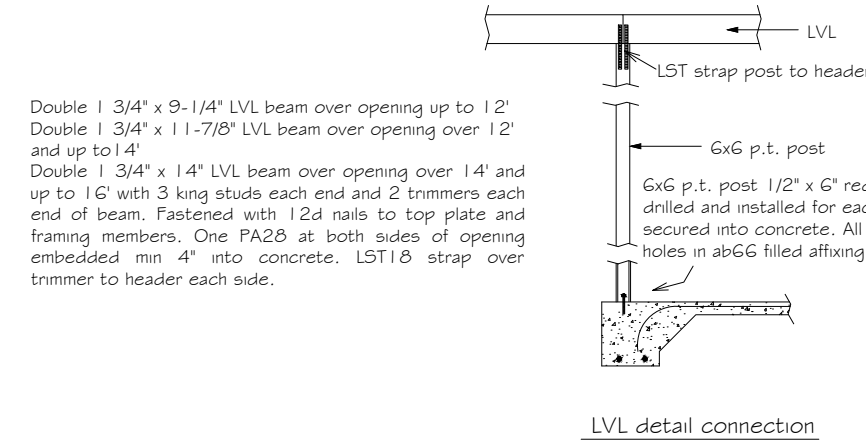
ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION

METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURER'S SPECS

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

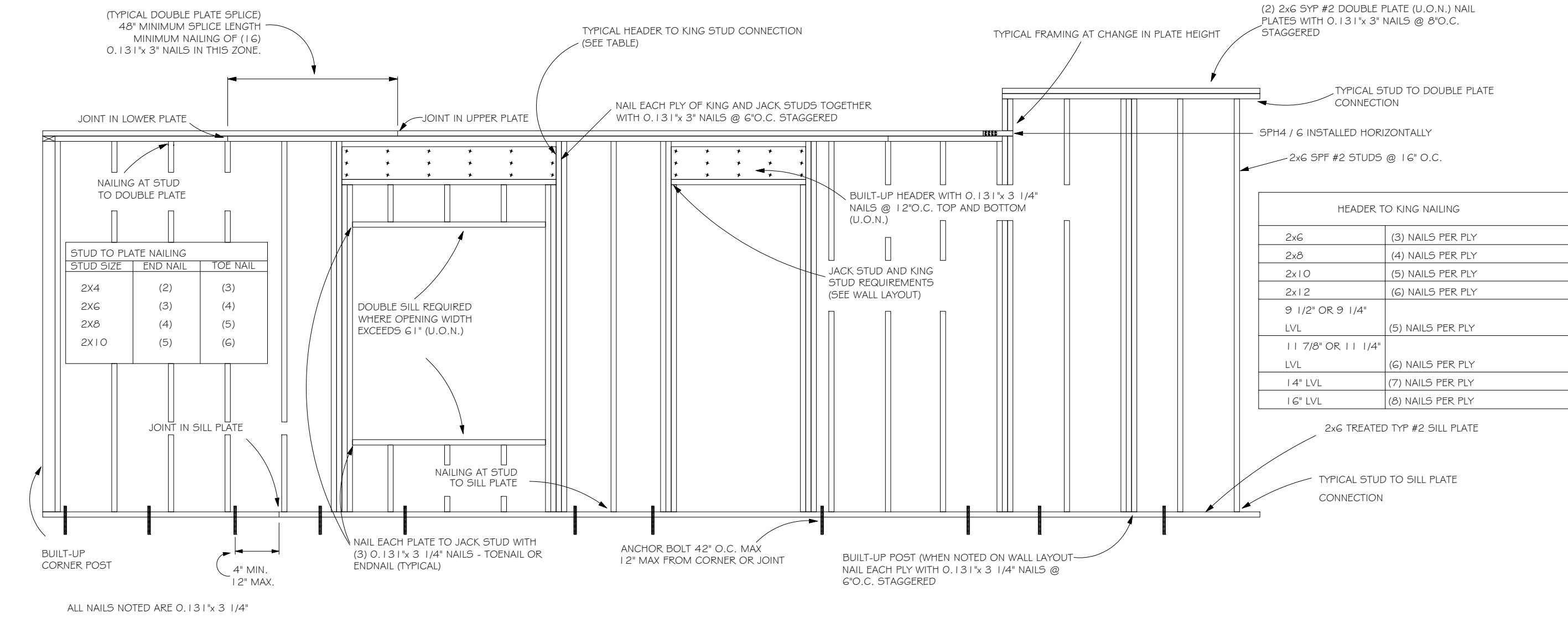


GABLE END BRACING
NOT TO SCALE

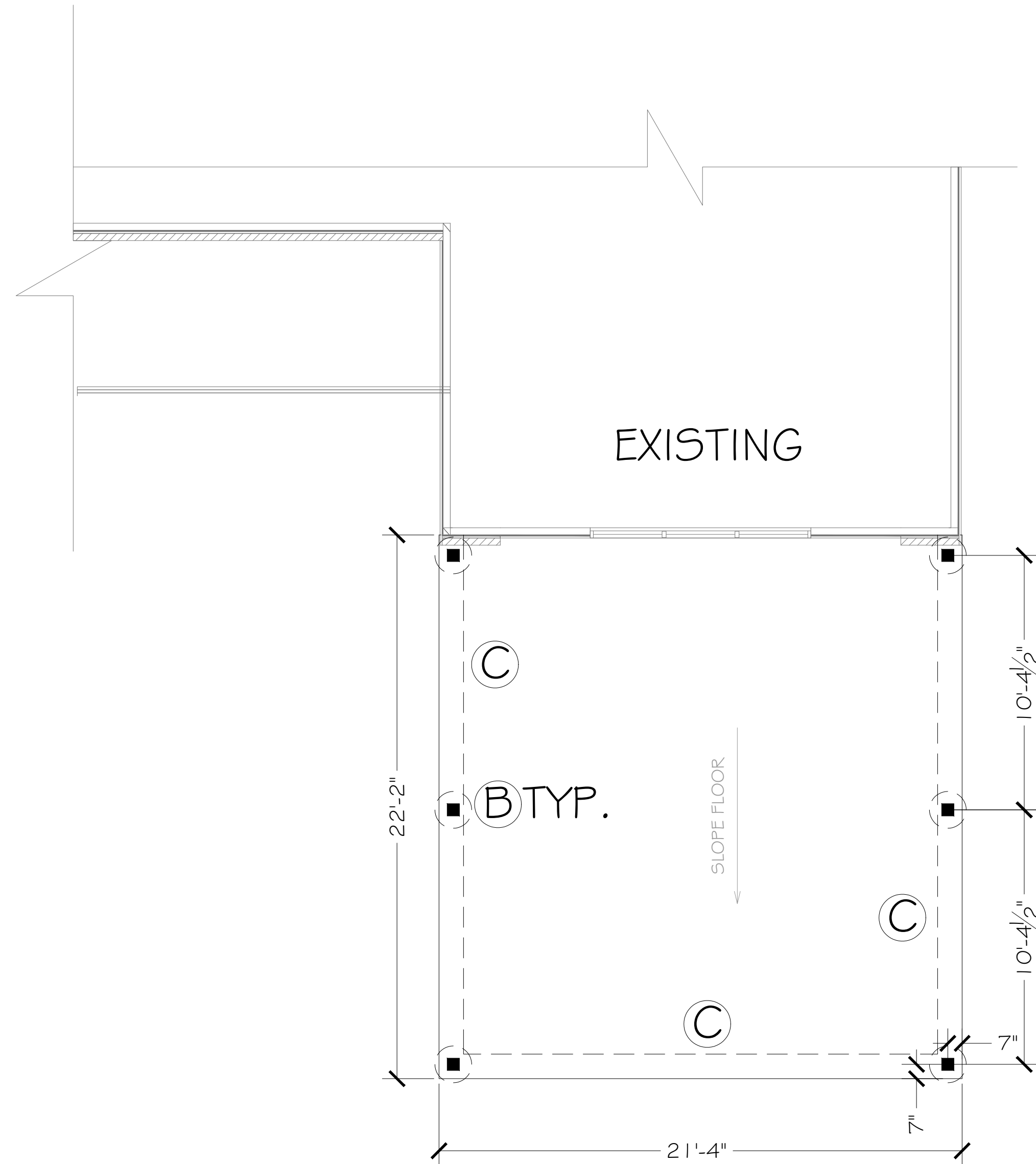


TYPICAL HEADER STRAPPING
NOT TO SCALE

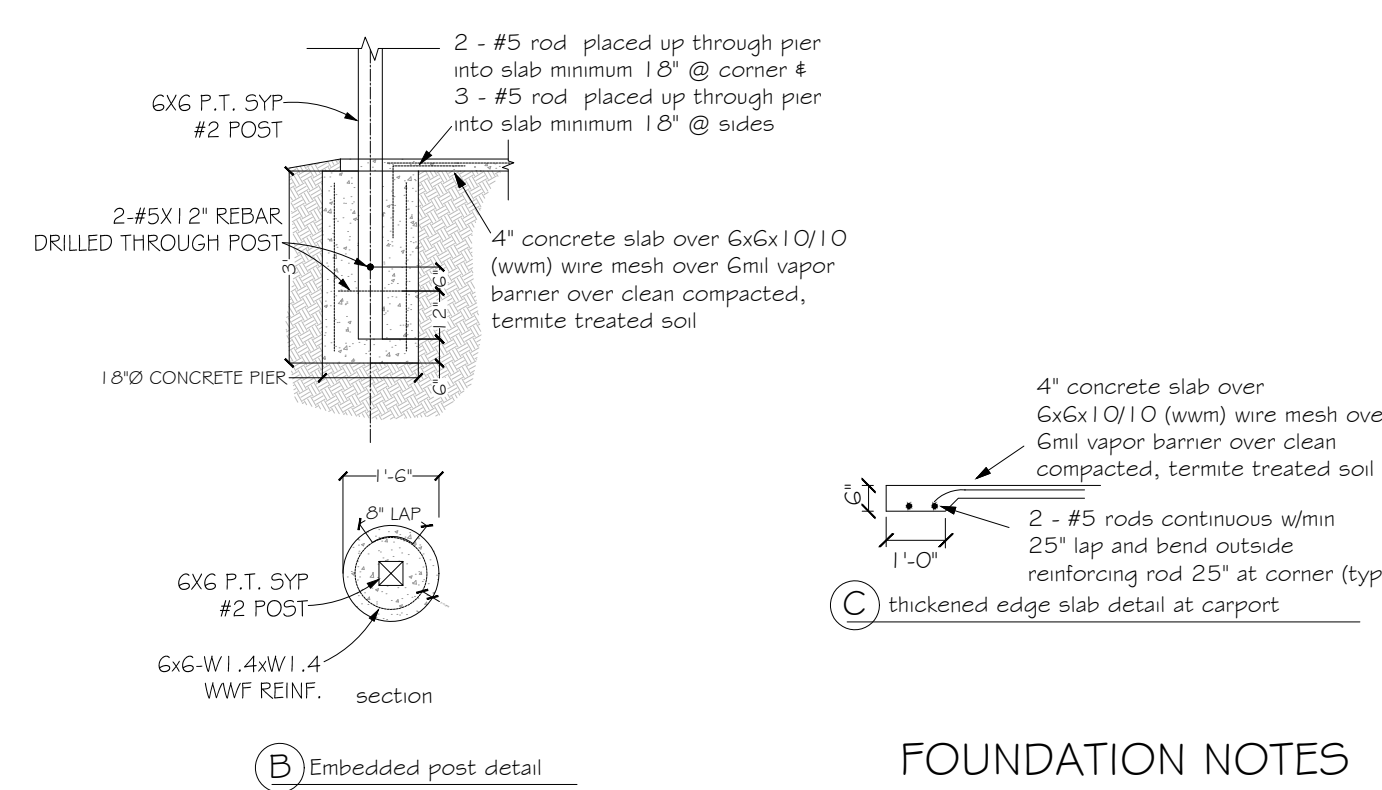
HEADER SCHEDULE			NOTE:	
OPENING WIDTH	BEARING OR SHEAR WALL	NON-BEARING WALLS	UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS AND AT TOP AND BOTTOM OF CRIPPLES	
	2" STUD CONTINUOUS TO TOP PLATE	2" STUD CONTINUOUS TO TOP PLATE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



TYPICAL WALL FRAMING
NOT TO SCALE



FOUNDATION PLAN
SCALE: 1/4" = 1'



FOUNDATION NOTES

- 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
- BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC-RES. SECTION R403.1.4

Digitally signed
by Carol
Chadwick
DN: c=US,
o=Florida,
ou=Qualifier-A014
10D0000017E860
924CE005954C,
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Chadwick
Date: 2023.03.30
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