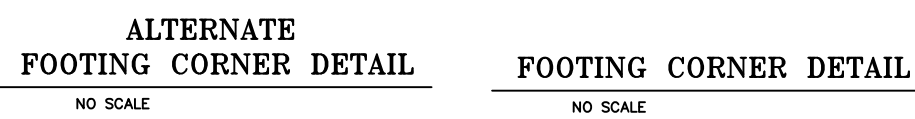
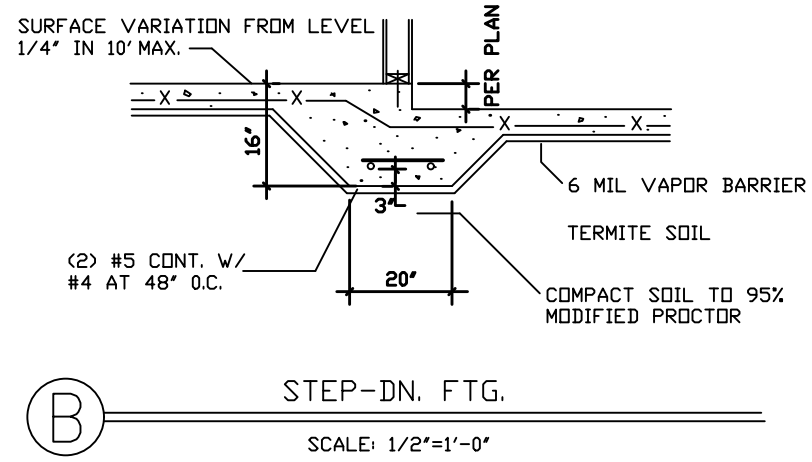
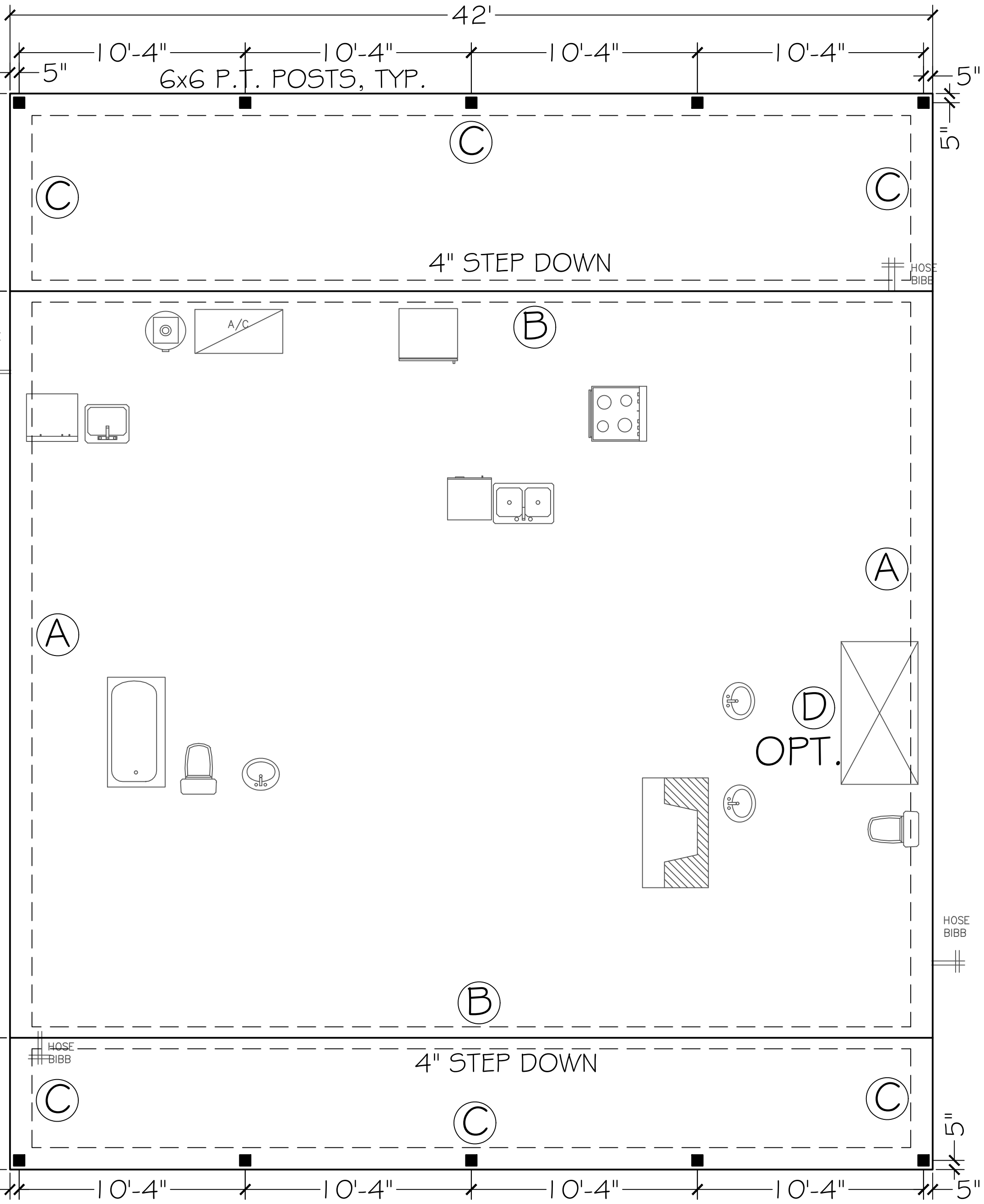


- DESIGN CODES:
2020 FLORIDA BUILDING CODE (FBC) -
RESIDENTIAL
ASCE 7-10, 2005
NDS, ACI, ATIC, AWPA, APA, ICC 600-08
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND
TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING 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
- 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 $C_{Gp1} \pm$



1. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
2. CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH ARCHITECTURAL PLANS PRIOR TO POURING SLAB.
3. THE SLAB SHALL BE 4" COMPACTED SLAB REINFORCED W/ 6X6-1.4/1-4 WELDED WIRE MESH PLANS ON CHAIRS 18" DEPTH OR FIBER MESH TREATED, 6-MIL POLY VAPOR BARRIER W/ 6" GAPS SEALED W/ POLY TAPE OVER TERMITE-CONCRETE & CONNECTED FILL.
4. BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC-REGS, SECTION R403.1.4



FOUNDATION PLAN

SCALE: 1/4" = 1'

ROOF VENT CALCULATION						
FORMULA						
1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING						
1.44 SQUARE INCHES = 1 SQUARE FOOT						
BUILDING CEILING (SQ FT) X 1.44 = BUILDING (SQ IN)						
BUILDING (SQ IN) / 300 = SQ IN OF VENT REQUIRED						
SQ IN OF VENT REQUIRED (2) = 50% AT HIGH END 50% AT LOW						
PER FBC SECTION K806.2: 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 - STAMPED W/ 3/4 SQ IN (INVA) PER LINEAL FT						
(b) SOFFIT VENTS - GFT 3-1/3" FULL VENT PERFORATED W/ 9-1/9 SQ IN (INVA) PER LINEAL FT						
CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE NONVENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM PROPERTY LINE						
AREA (SQ FT)	REQUIRED	VENTS	PROVIDED	LINEAL FT.	LOW (SQ IN)	

SOFFIT TABLE VENT SPECS	
Double 5" perforated soffits have a 6.20 sq. inch/sq. foot rating	
Triple 4" center vent soffits have a 1.956 sq. inch/sq. foot rating	
Triple 4" full vent soffits have a 5.627 sq. inch/sq. foot rating	
Triple 4" basketweave full vent have a 1.434 sq. inch/sq. foot rating	
Triple 4" center vent have a 4.76 sq. inch/sq. foot rating	
Beaded hidden vent soffits have 2.66 sq. inch/sq. foot rating	
Triple 3-1/2" hidden vent soffits have a 9.19 sq. inch/sq. foot rating	

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

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 THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED

OVERLAP ROOFING UNDERLAYMENT 4(MIN) OVER HIP'S AND RIDGES

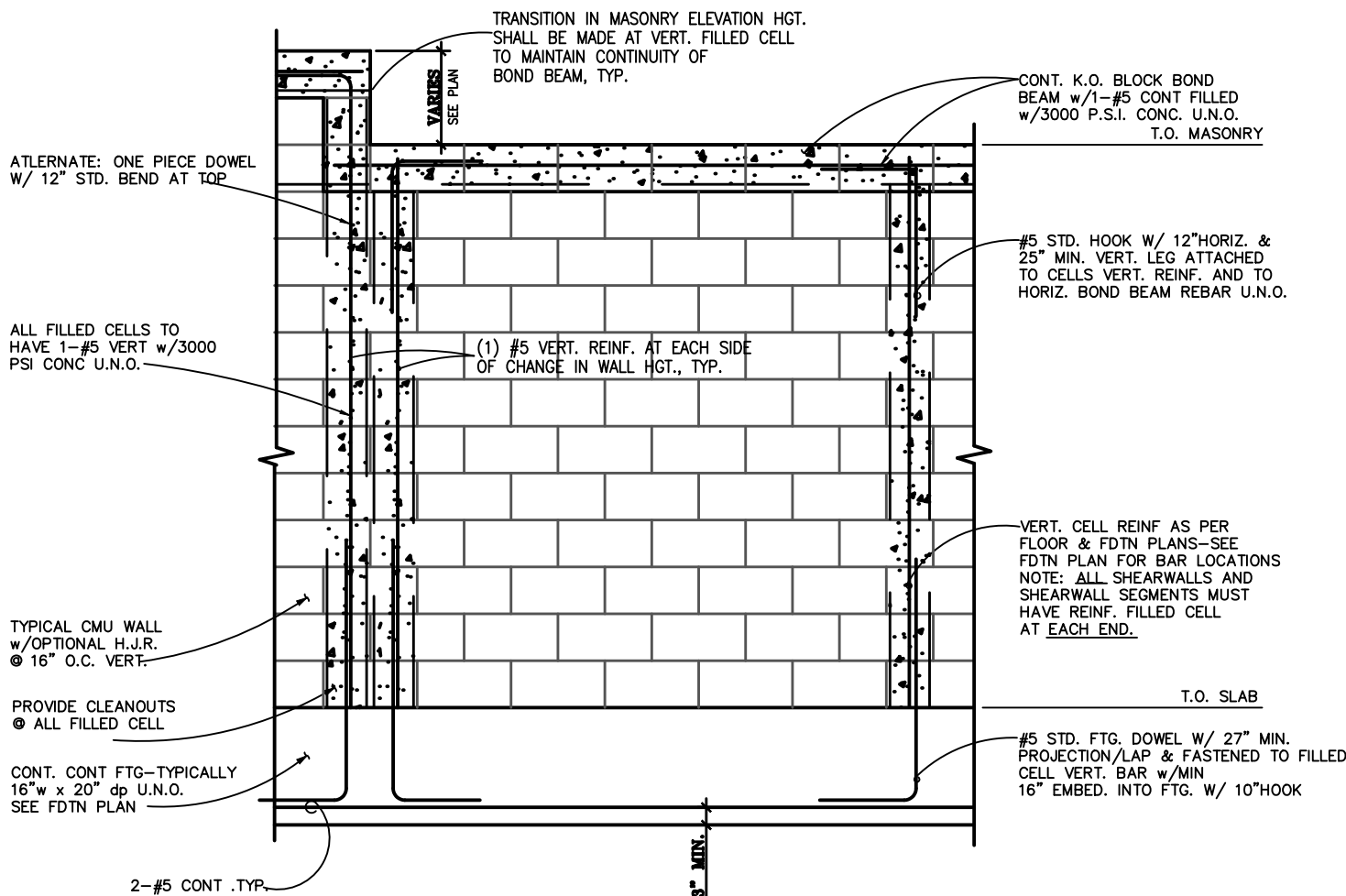
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY

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

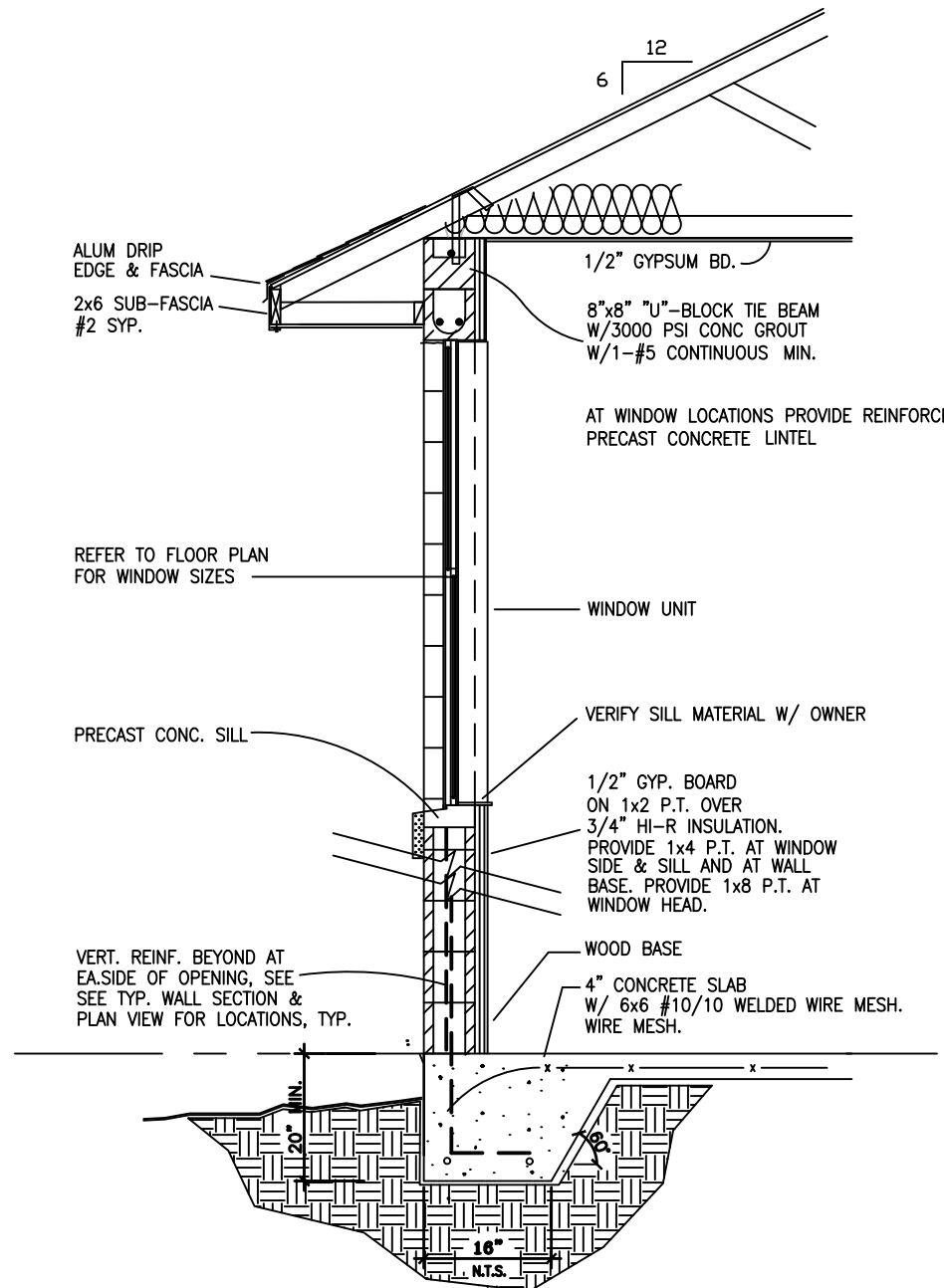
ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION

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

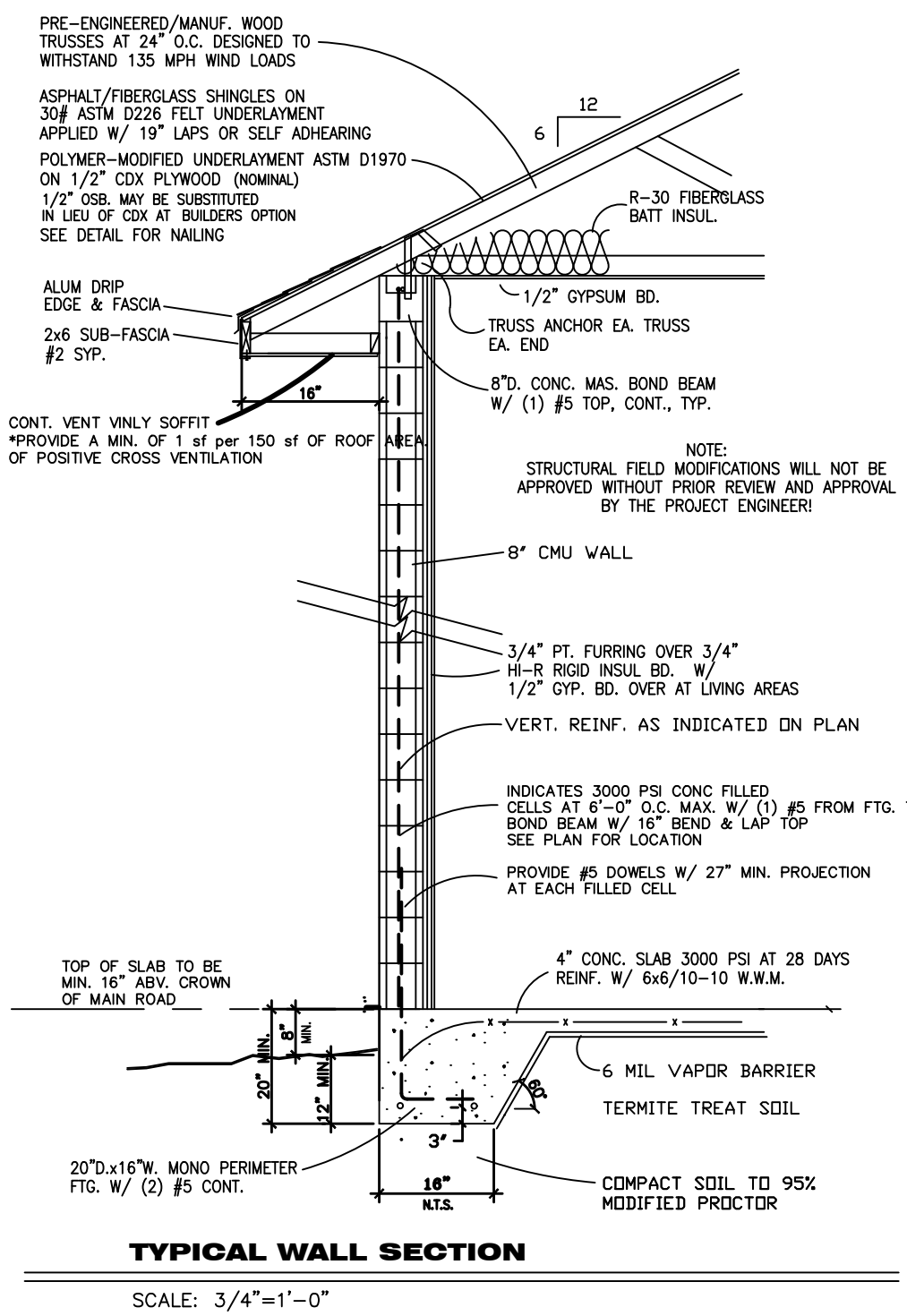


TYP. MASONRY SHEARWALL DETAIL
SCALE: 1/2"=1'-0"

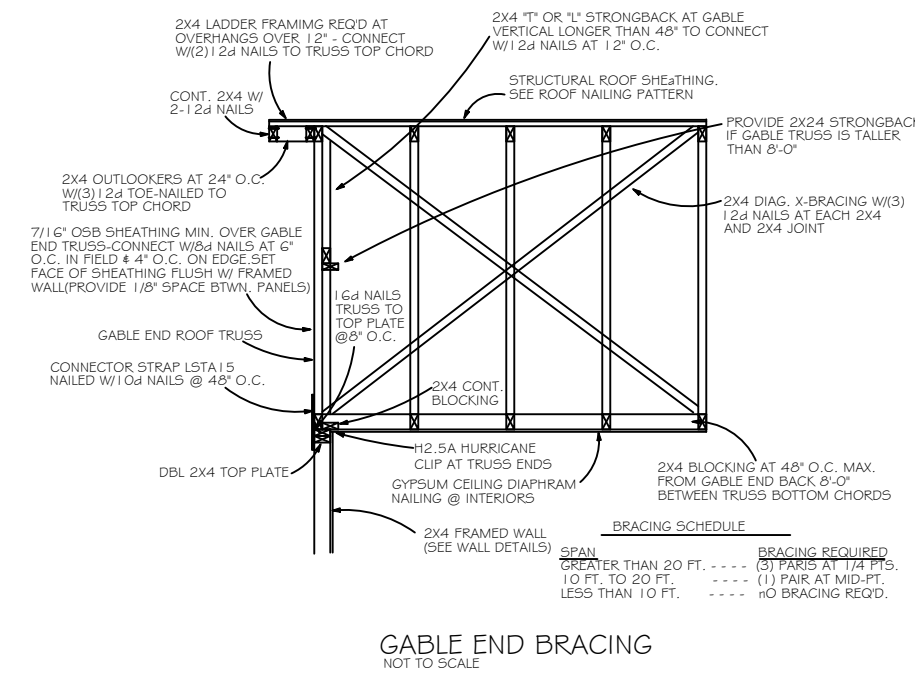


TYP. WALL SECTION AT WINDOW OPENING
SCALE: 1/2"=1'-0"

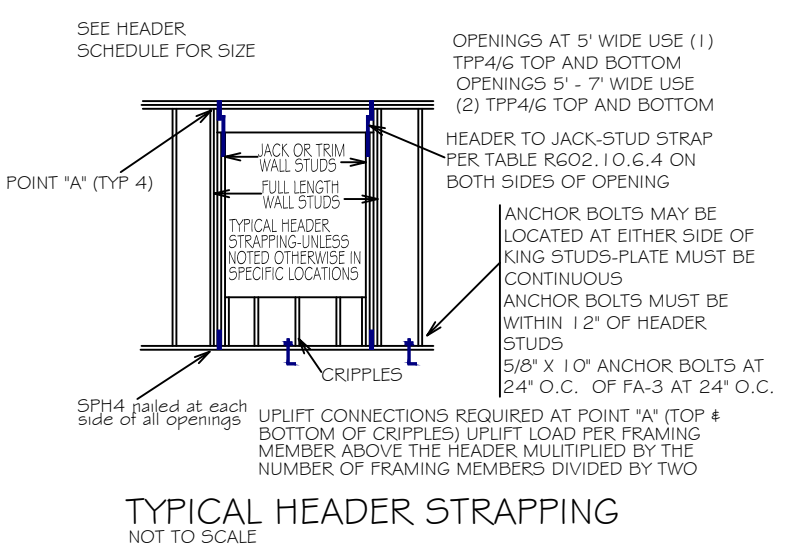
MINIMUM ROOF DESIGN LOADS:
ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 15PSF (WITHOUT STORAGE)
20PSF W/ LIMITED STORAGE
ROOF WIND LOAD: ±40PSF



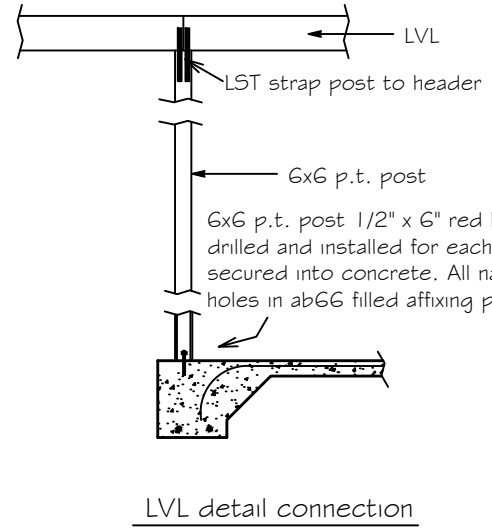
TYPICAL WALL SECTION
SCALE: 3/4"=1'-0"



GABLE END BRACING
NOT TO SCALE



TYPICAL HEADER STRAPPING
NOT TO SCALE



Double 1 3/4" x 11-1/4" LVL beam over opening up to 12'

Double 1 3/4" x 11-7/8" LVL beam over opening over 12'

Double 1 3/4" x 14" LVL beam over opening over 14' 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 12d nails to top plate and framing members. One PA20 at both sides of opening embedded min 4" into concrete. LST18 strap over trimmer to header each side.

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	
HEADER - CONTINUOUS			
2 - 2x STUDS UNDER UNITS WITH OPENINGS LARGER THEN 5'-0"			
MAXIMUM HEADER SPAN		NUMBER OF HEADER STUDS (JACKS) SUPPORTING END OF HEADER	
3' 6" 9" 12' 15' 18'		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	

CAROL CHADWICK
Professional Engineer
No. 12500
Exp. 12/31/2025
FLORIDA
Professional Engineer
No. 12500
Exp. 12/31/2025
FLORIDA

REVIEWED FOR:
BRETT SOTO
brett.soto@yafico.com

DESIGNED BY:
BRETT SOTO
brett.soto@yafico.com

DATE:
MAY 9, 2023

PROJECT NAME:
SOTO RESIDENCE

SCALE:
1/2"=1'-0"

SOTO RESIDENCE
WALL DETAILS
TBD MAGNOLIA LANE, FORT WHITE, FL

DATE:
MAY 9, 2023

PROJECT NAME:
SOTO RESIDENCE

SCALE:
1/2"=1'-0"

Digitally signed by
Carol Chadwick
DN: cn=US,
o=Florida,
dnQualifier=A0410
00000178565924
C=00005946,
cn=Carol Chadwick
Date: 2023.05.09
12:16:0400

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the accuracy of the information.