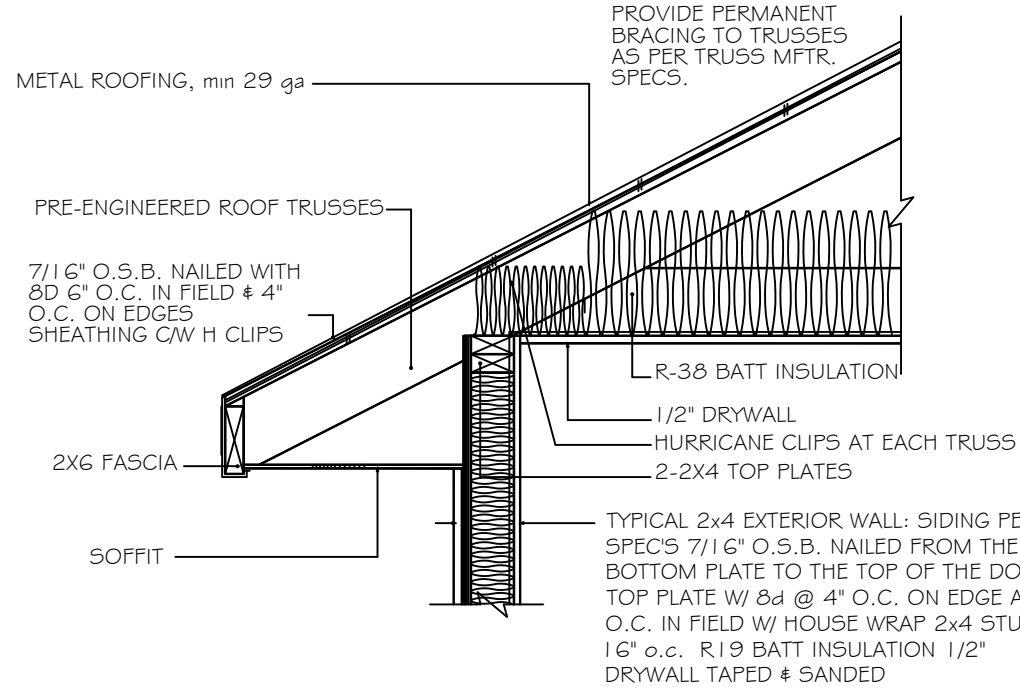


DESIGN SPECIFICATIONS

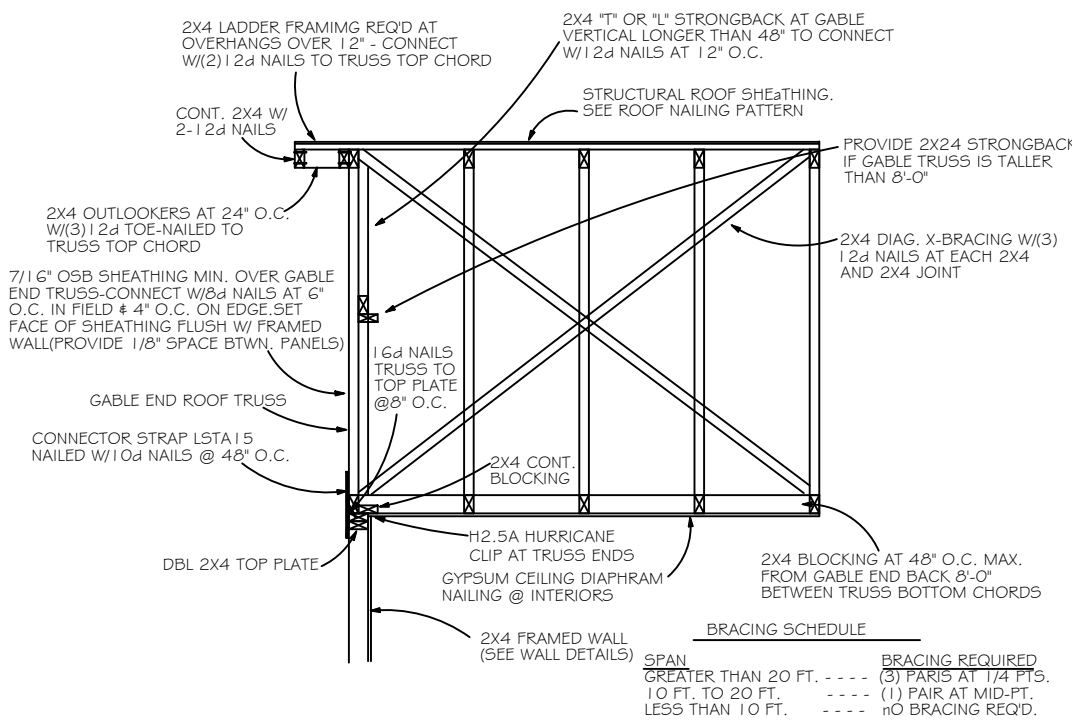
- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL, 8TH EDITION
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
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 CG_{pi} ±

FOUNDATION NOTES

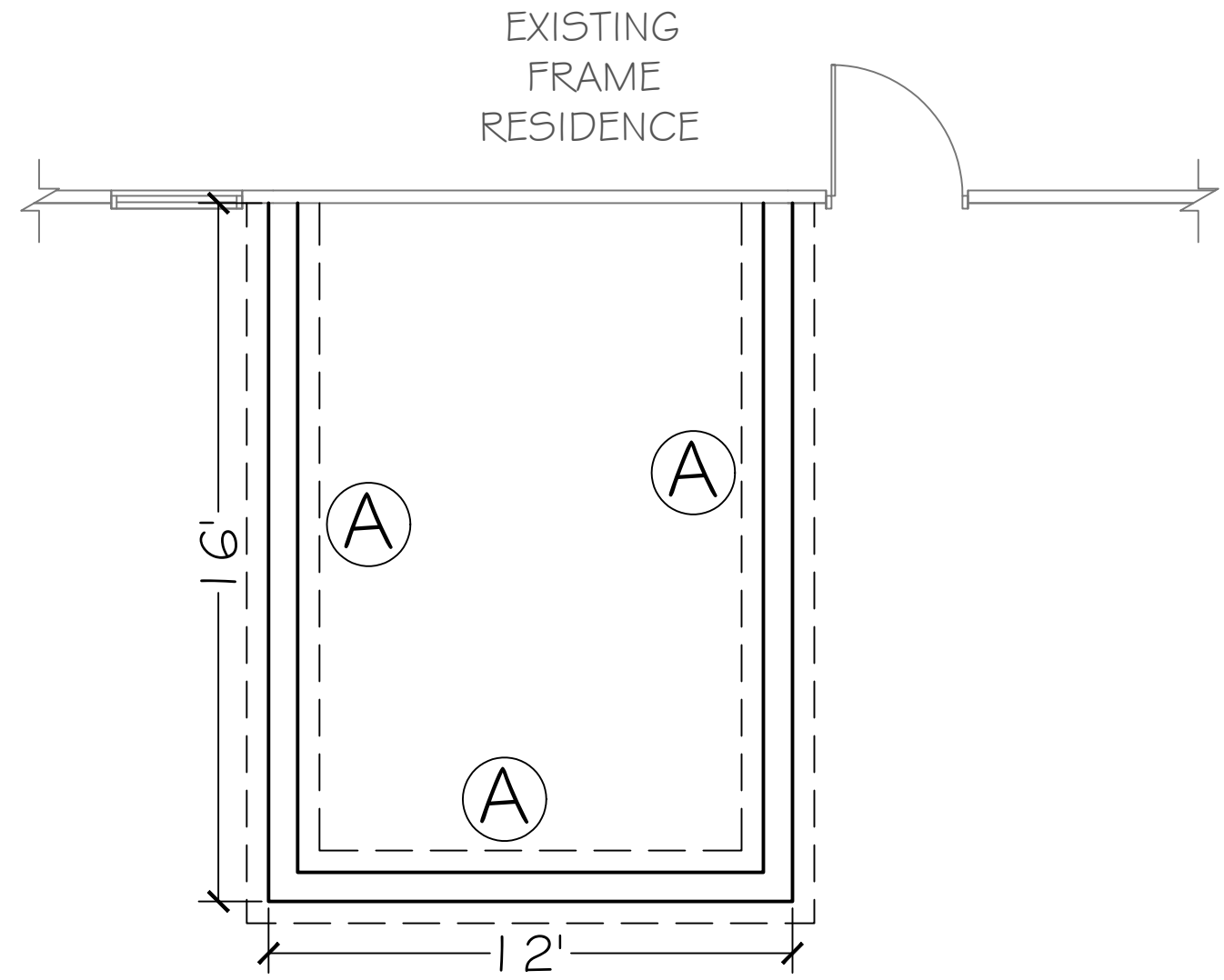
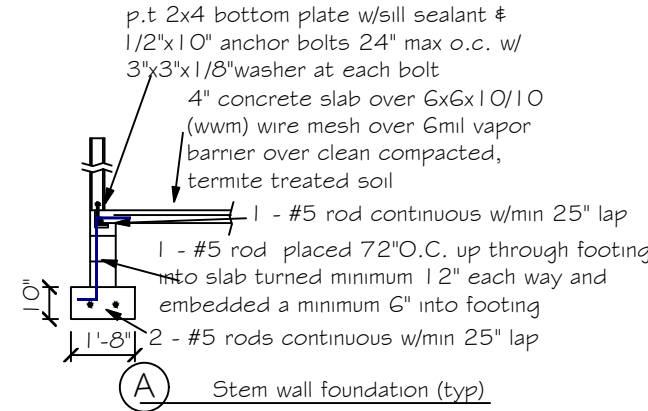
- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" DEPTH OR 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
- SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI.



4" STUD EAVE

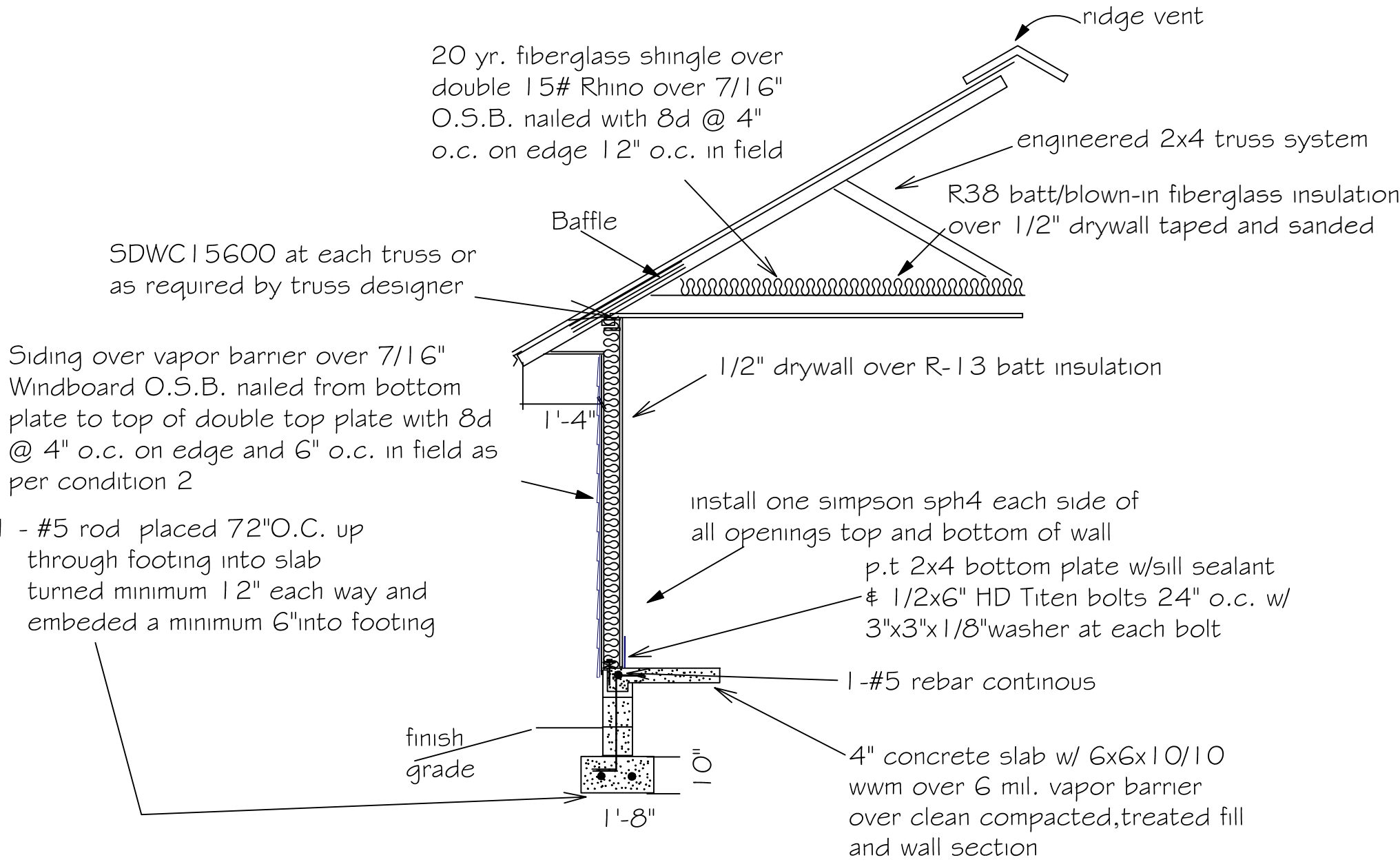


GABLE END BRACING
NOT TO SCALE

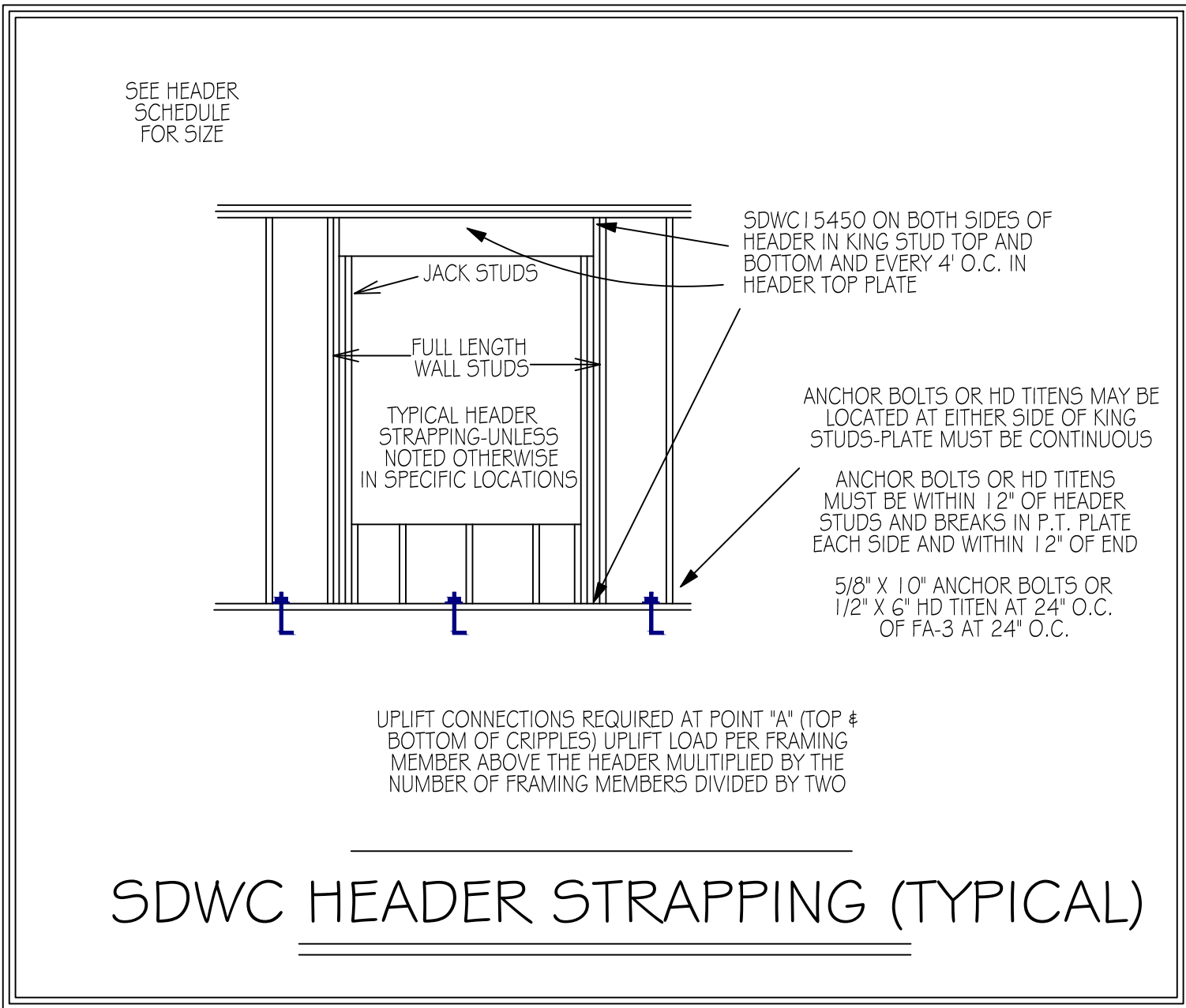


FOUNDATION PLAN

SCALE: 1/4" = 1'



"AA" Windboard wall detail



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 1/44 = BUILDING (SQ IN) BUILDING (SQ IN) / 300 = SQ IN OF VENT REQUIRED /2 = 50% AT HIGH AND 50% AT LOW					
PER FBC SECTION R803.2.40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 5'-0" ABOVE EAVE					
BASE OF CALCULATION:					
(a) OFF RIDGE VENTS - STAMPED W/ 36 SQ IN (IN/VA) PER LINEAL FT					
(b) SOFFIT VENTS - G/T3-1/8" FULL VENT PERFORATED W/ 9.19 SQ IN (IN/VA) PER LINEAL FT					
CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FINE RATE SOFFIT LOCATED LESS THAN 3' FROM PROPERTY LINE					
AREA (SQ FT)	REQUIRED	PROVIDED			
	HIGH	LOW	VENTS	LINEAL FT	LOW (SQ IN)
SOFFIT TABLE VENT SPECS					
Double 5" perforated soffits have a 6.20 sq. inches/sq. foot rating					
Triple 4" center vent soffits have a 1.95 sq. inches/sq. foot rating					
Triple 4" full vent soffits have a 5.867 sq. inches/sq. foot rating					
Triple 4" basketweave full vent have a 14.34 sq. inches/sq. foot rating					
Triple 4" center vent have a 4.79 sq. inches/sq. foot rating					
Beaded hidden vent soffit has 2.66 sq. inches/sq. foot rating					
Triple 3-1/2" hidden vent soffit has a 9.19 sq. inches/sq. foot rating					

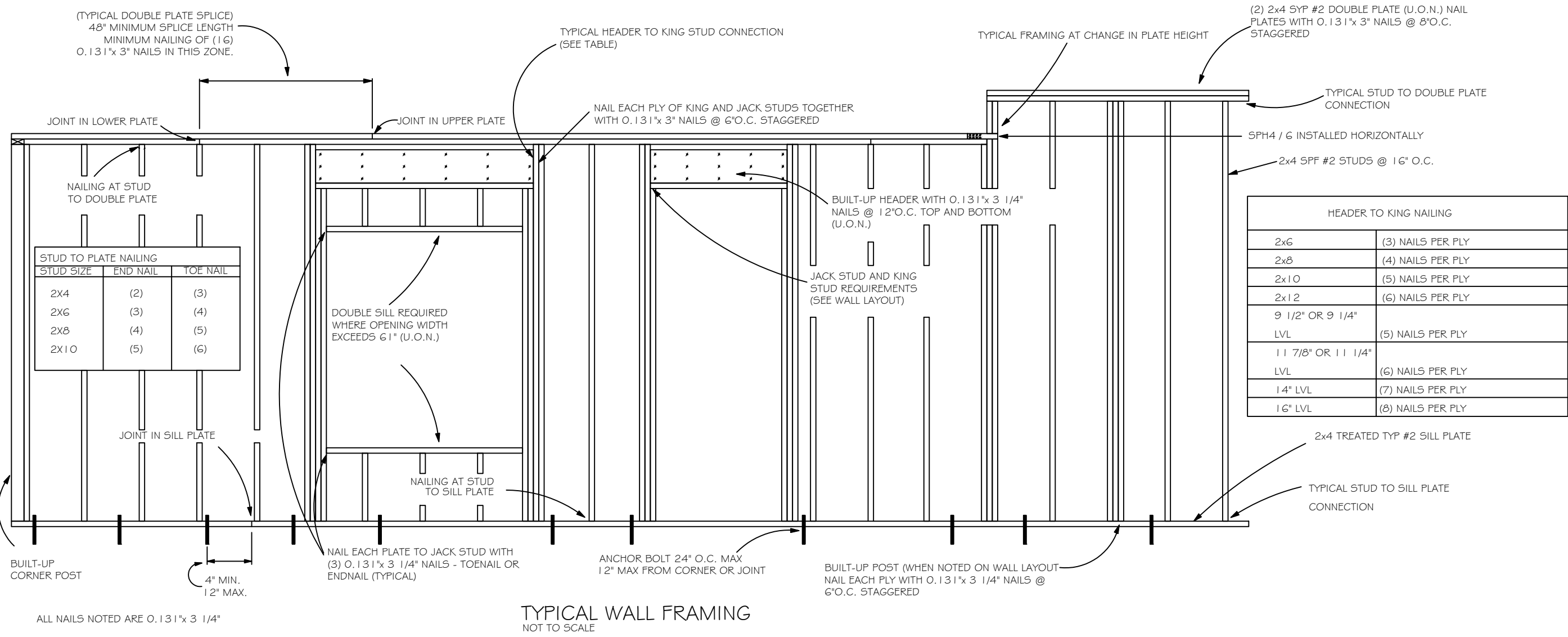
ROOF SHEATHING FASTENING

- 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 HIPPS 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

HEADER SCHEDULE			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	
2X STUD CONTINUOUS TO TOP PLATE				
HEADER - CONTINUOUS				
2 - 2X STUDS UNDER LINTELS WITH OPENINGS LARGER THEN 5'-0"				
OPENING WIDTH	BEARING OR SHEAR WALL	NON-BEARING WALLS		
0'-0" TO 3'-0"	2 - 2 X 6's	2 - 2 x 4's		
3'-1" TO 5'-0"	2 - 2 x 10's	2 - 2 x 6's		
5'-1" TO 7'-0"	2 - 2 x 10's	2 - 2 x 8's		
7'-1" TO 10'-0"	2 - 2 x 10's	2 - 2 x 10's		
MAXIMUM HEADER SPAN				
			3'	6'
			9'	12'
			15'	18'
NUMBER OF HEADER STUDS SUPPORTING END OF HEADER			1	1
			2	2
			2	2
			2	2
NUMBER OF FULL LENGTH STUDS AT END OF HEADER			2	



TYPICAL WALL FRAMING
NOT TO SCALE

CAROL CHADWICK
REGISTERED PROFESSIONAL ENGINEER
NO. 12500
EXPIRATION DATE 12/31/2024
FLORIDA
SINCE 2018

REVIEWED FOR:
BERNOT ADITION
2020 DE JAWA DR. SEC. 1 (O)
SUNVIEW STREET, FORT WHITE, FL
3845 559 1569
CONTACT: JESSE MCGONIGLE

DATE: 3/1/2024
BY: [Signature]

BERNOT ADITION
FOUNDATION PLAN
606 SW SUNVIEW STREET, FORT WHITE, FL

DATE: 3/1/2024
BY: [Signature]

Digitally signed by
Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A01410
D0000018D463B4E7
500032FE,
cn=Carol Chadwick
Date: 2024.03.18
21:30:23 -0400

This document has been digitally signed and sealed by Carol Chadwick, P.E., on the date shown in the seal. Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copy.