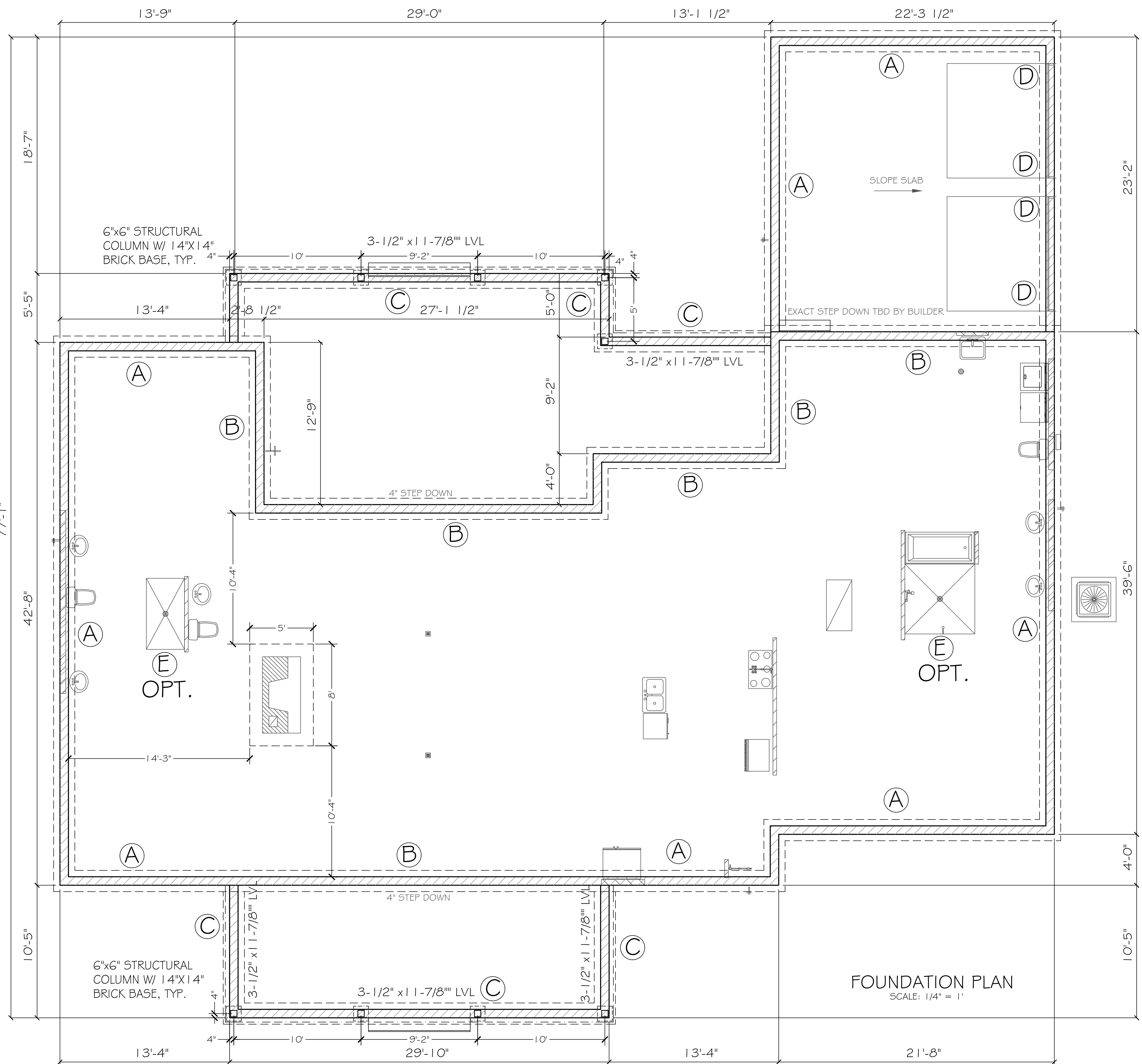
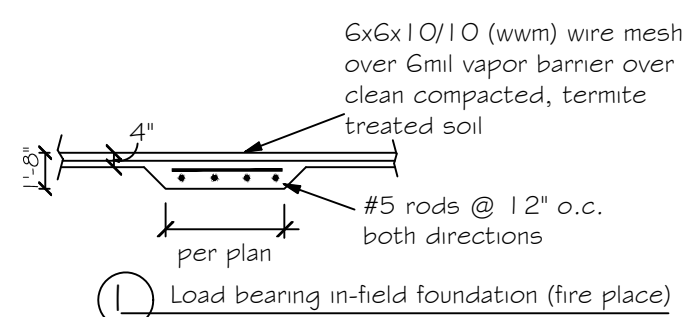
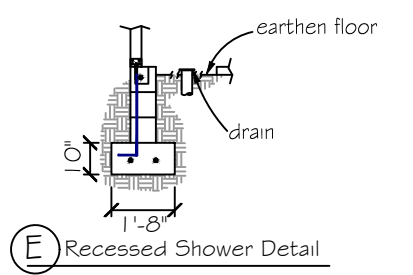
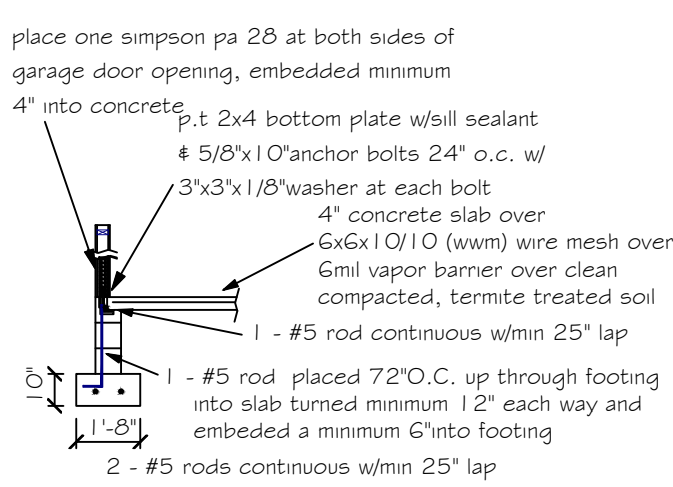
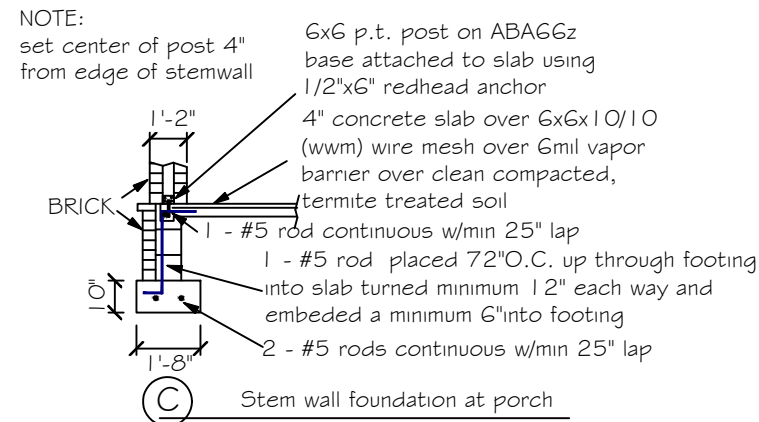
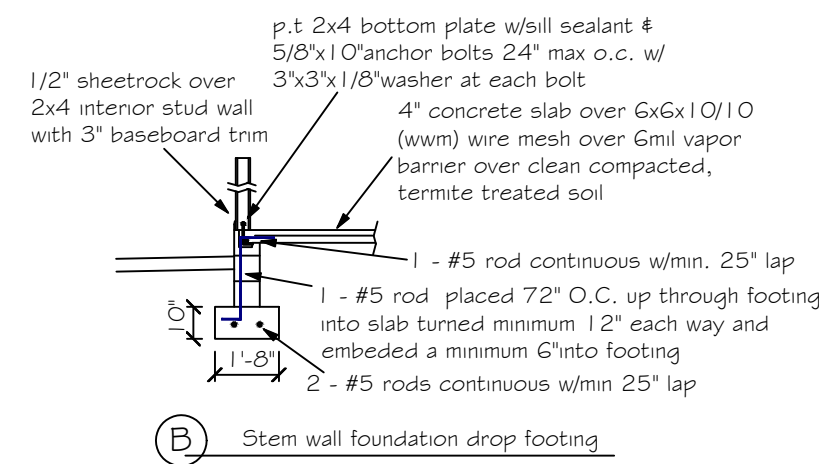
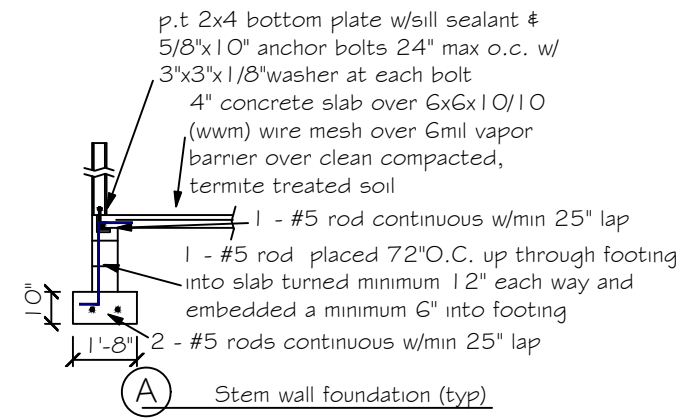


DESIGN SPECIFICATIONS

- DESIGN CODES: 2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
- 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<sub>pl</sub> ±



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/ 6X6-14/14 WELDED WIRE MESH PLACED ON CHAIRS 12" DEPTH OR FIBER MESH CONCRETE, 6 MIL POLY VAPOR BARRIERS 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.



DESIGNED BY: CAROL CHADWICK, P.E.  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 LICENSE NO. 122542  
 EXPIRES 12/31/2025

PREPARED FOR:  
 JAMESON & ALEC NORTON  
 3345 4666 2222  
 jamesoncarpe\_cf@yahoo.com

NORTON RESIDENCE  
 FOUNDATION PLAN  
 6788 SW SR 247, LAKE CITY, FL

DATE: JAN 30, 2025  
 SHEET: 5-1

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

**ROOF VENT CALCULATION**

**FORMULA**

1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING  
 1.44 SQUARE INCHES = 1 SQUARE FOOT  
 BUILDING CEILING (50 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 IRC SECTION R802.2: 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/ 36 SQ IN (IN/VA) PER LINEAL FT  
 (b) SOFFIT VENTS - GP T3-1/3" FULL VENT PERFORATED W/ 9.19 SQ IN (IN/VA) PER LINEAL FT

CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM PROPERTY LINE

AREA (SQ FT)	REQUIRED (SQ IN)	PROVIDED (SQ IN)	LINEAL FT (IN/VA)	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 has a 1.95 sq. inches/sq. foot rating  
 Triple 4" full vent soffits has a 5.67 sq. inches/sq. foot rating  
 Triple 4" basketweave full vent has a 1.43 sq. inches/sq. foot rating  
 Triple 4" center vent has a 4.70 sq. inches/sq. foot rating  
 Double hidden vent soffits has 2.66 sq. inches/sq. foot rating  
 Triple 3-1/2" hidden vent soffits has a 9.19 sq. inches/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.

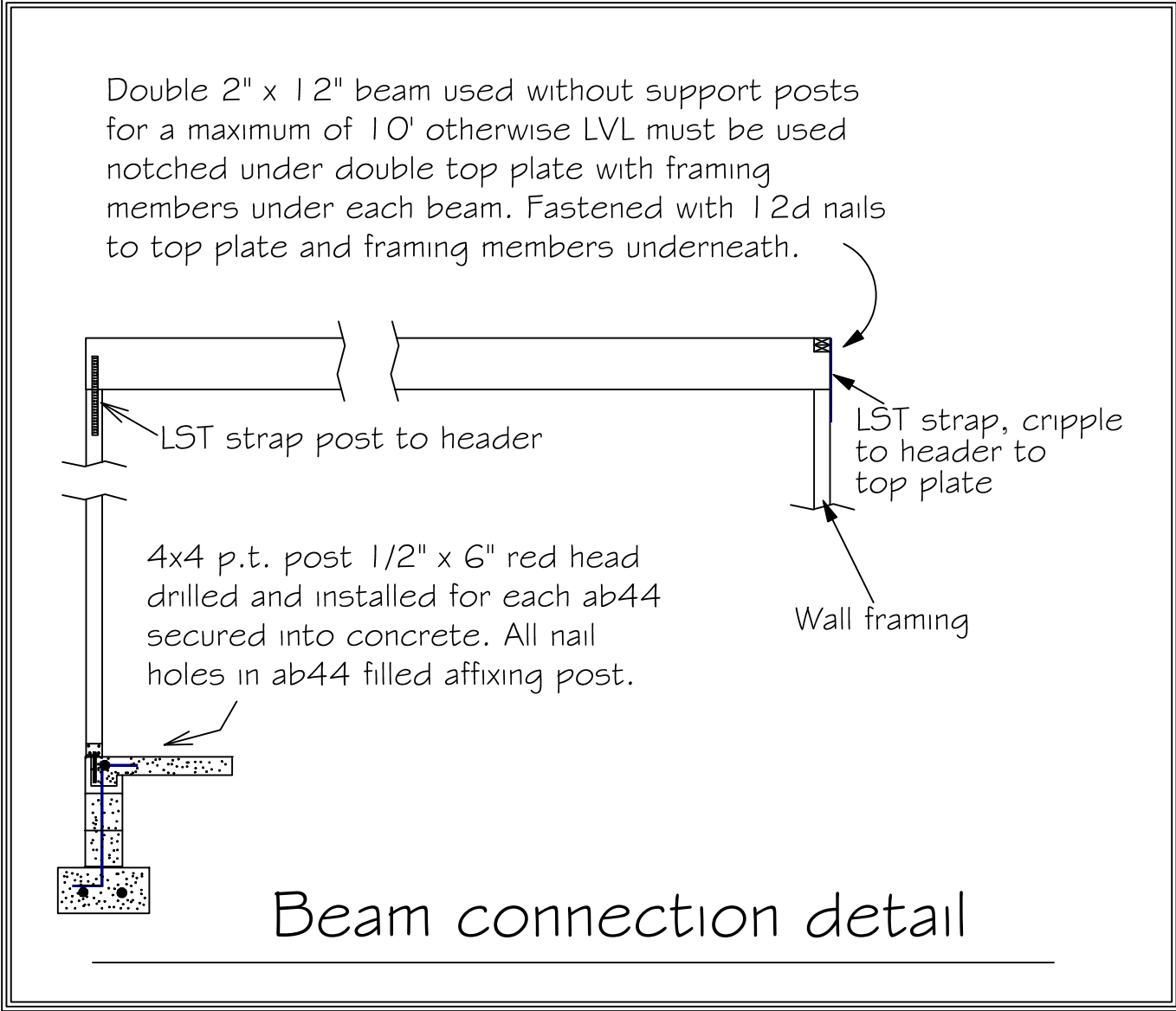
Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8", maximum spacing of 24" o.c., may be used in lieu of 5/8" x 10" anchor bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duty Screw Anchors shall be installed per manufacturer's specifications.

**ROOF SHEATHING FASTENING**

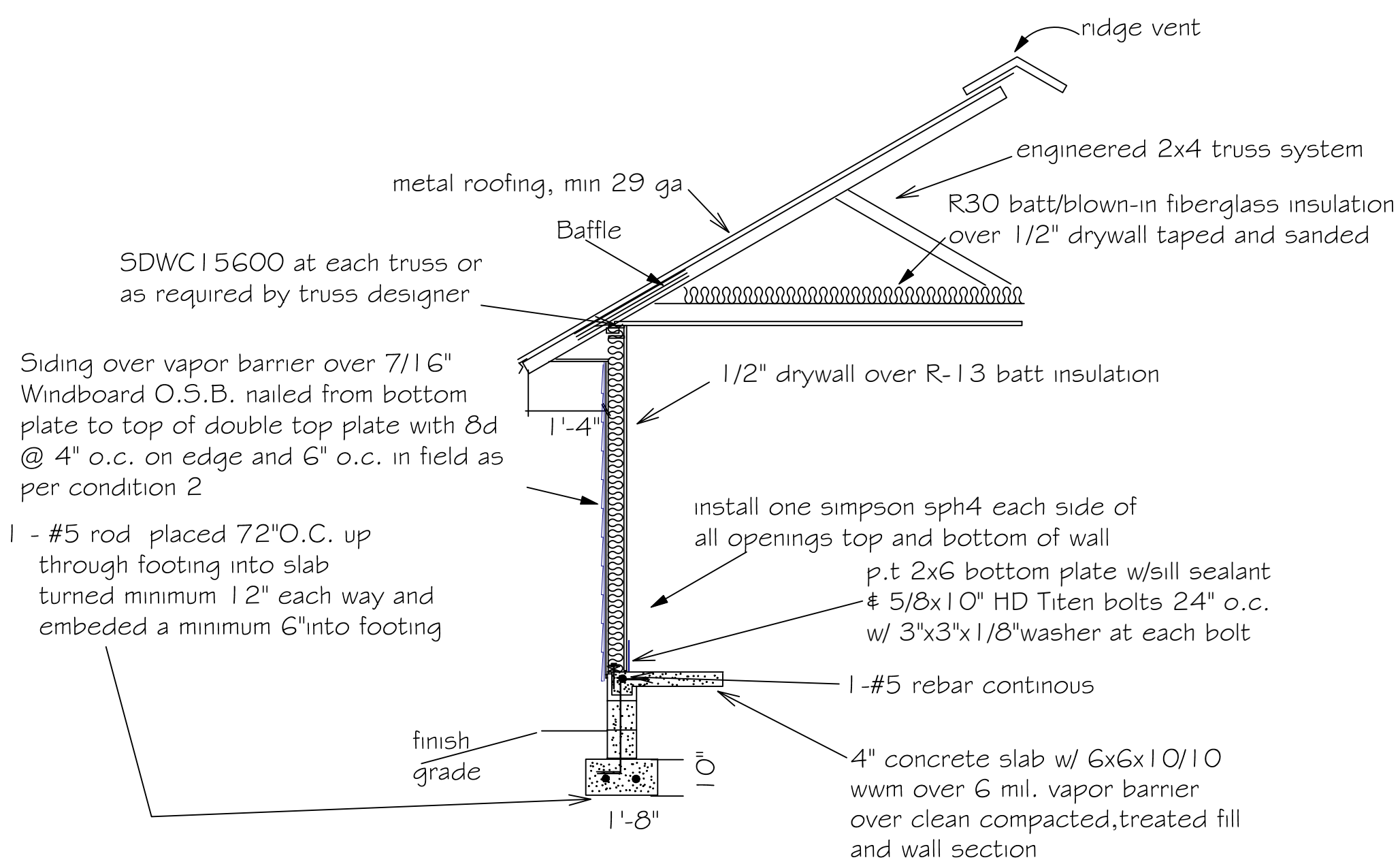
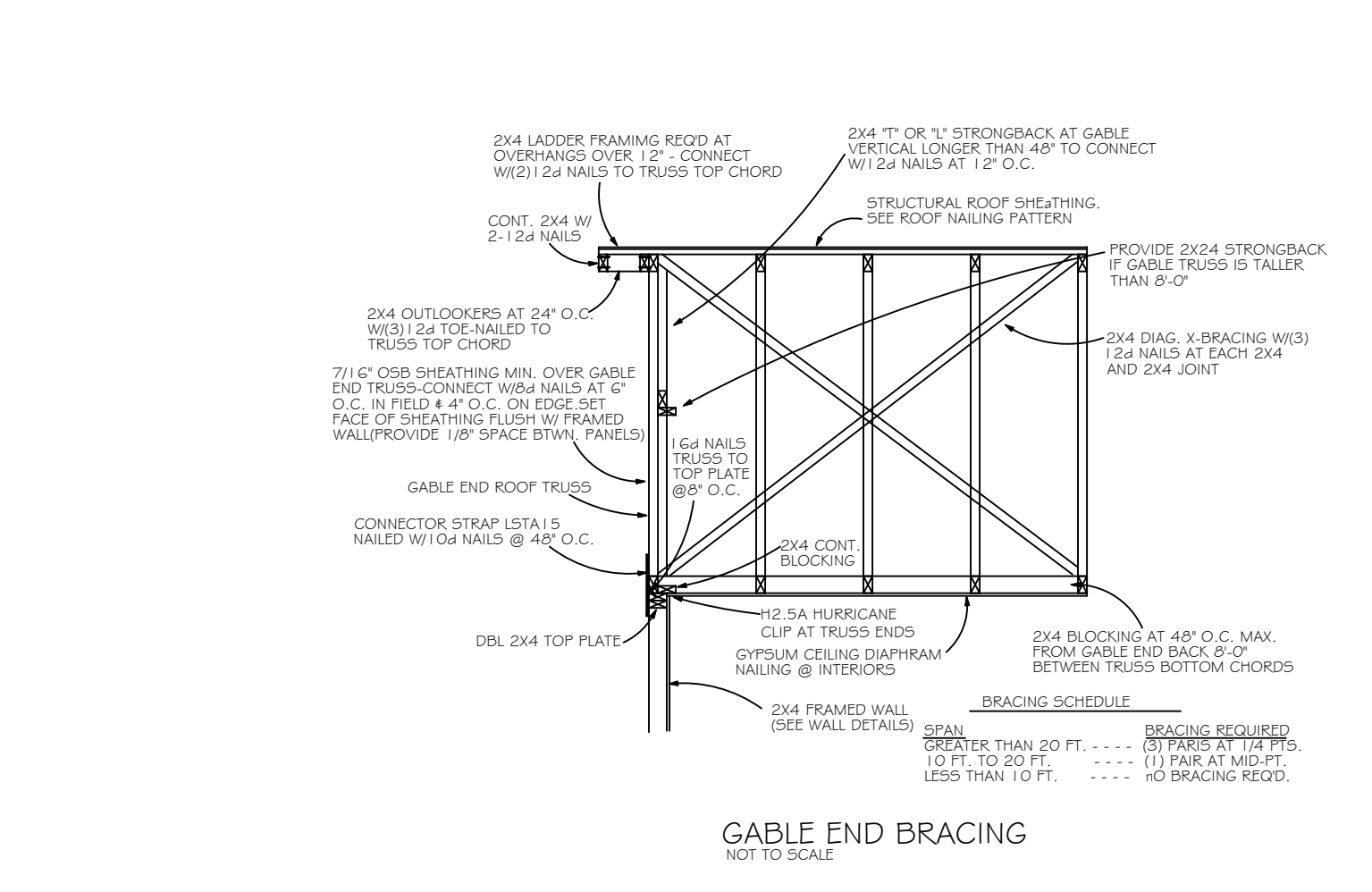
- 4" O.C. GABLE END
  - 6" O.C. EDGES (ALL ZONES)
  - 6" O.C. INTERMEDIATE FRAMING (ZONE 3)
  - 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)
- SEE FIGURE R803.2.3.1, SECTION R803.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

**ROOF NOTES**

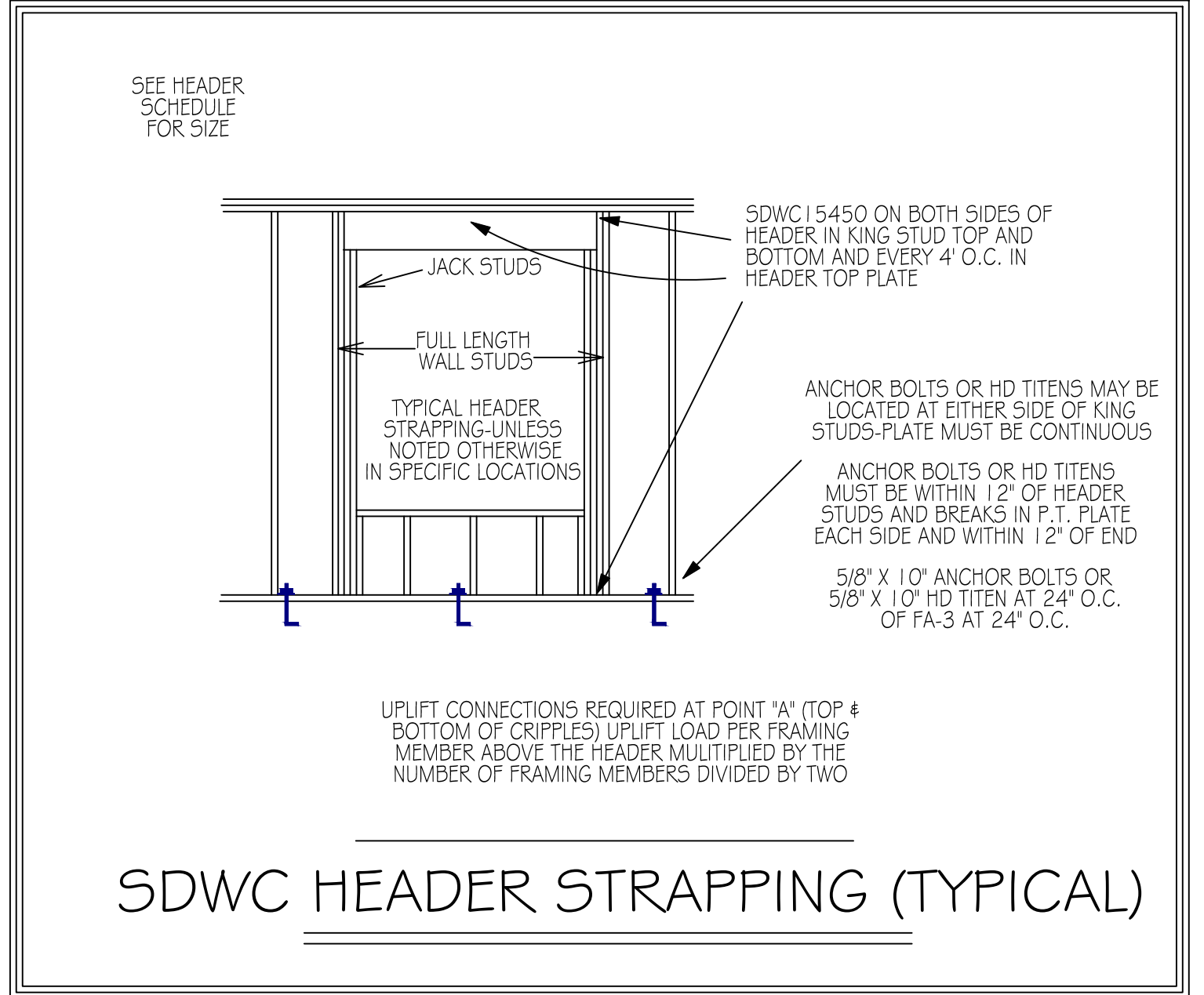
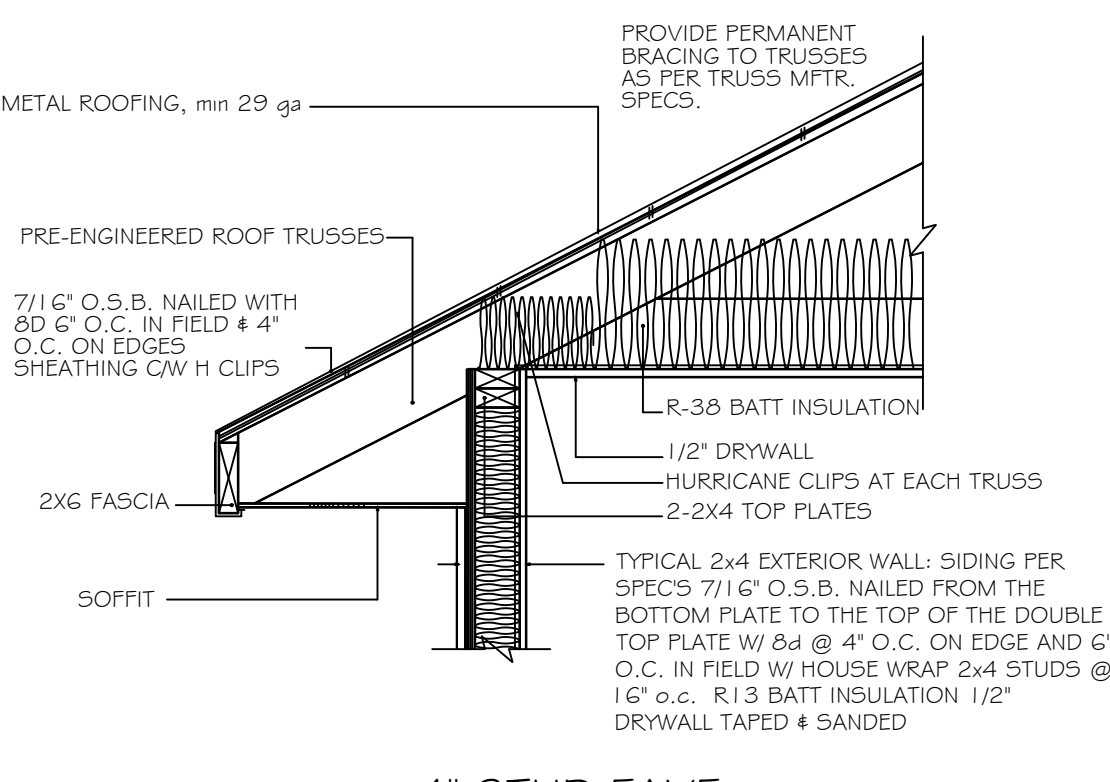
ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED  
 OVERLAP ROOFING UNDERLAYMENT 4(MIN) OVER HIP AND RIDGES  
 BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY  
 DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT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



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' 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 PA28 at both sides of opening embedded min 4" into concrete. LST18 strap over trimmer to header each side.



"AA" Windboard wall detail



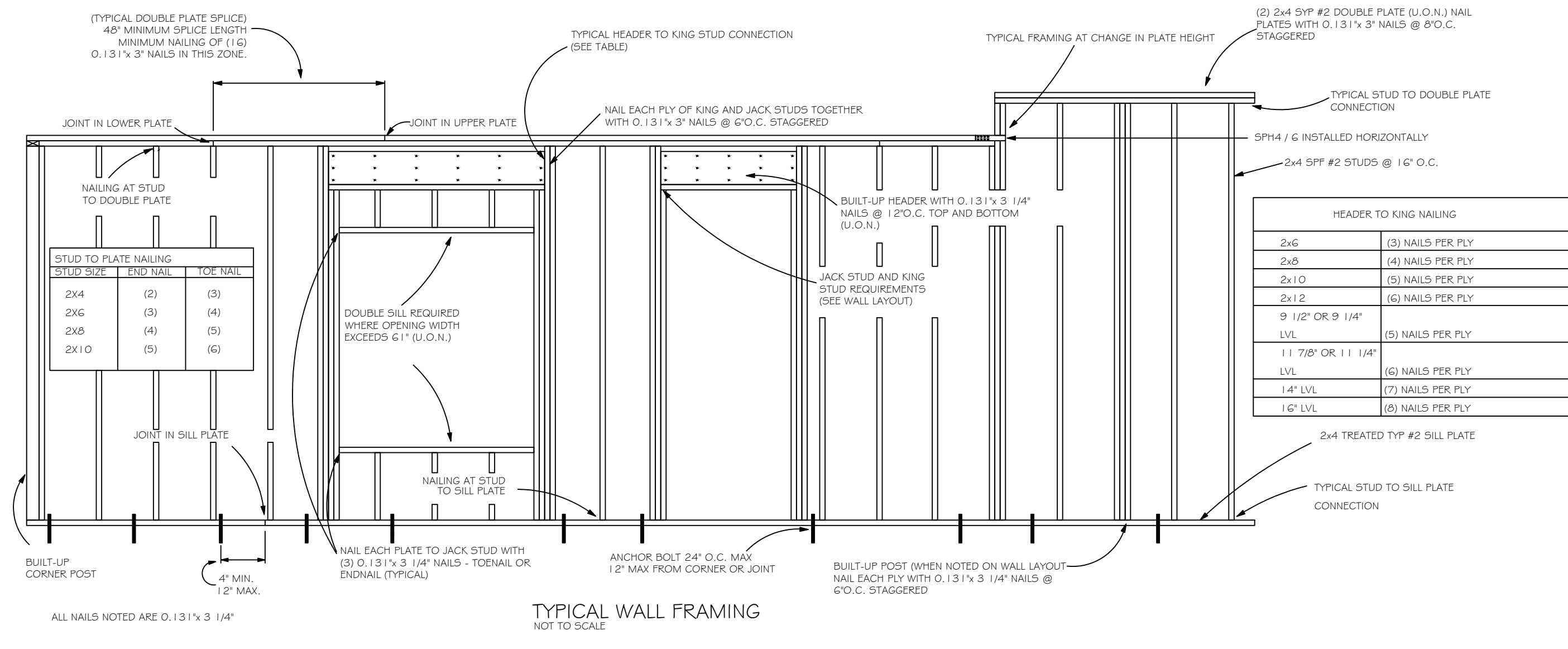
**HEADER SCHEDULE**

2X STUD CONTINUOUS TO TOP PLATE  
 HEADER - CONTINUOUS  
 2 - 2X STUDS UNDER LINTELS WITH OPENINGS LARGER THEN 5'-0"

**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

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 8'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 12's	2 - 2 x 10's

NUMBER OF HEADER STUDS SUPPORTING END OF HEADER	NUMBER OF FULL LENGTH STUDS AT END OF HEADER
1	1
2	2
3	2
4	2
5	2
6	2



CAROL CHADWICK, P.E.  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 LICENSE NO. 125042  
 EXPIRES 12/31/2025  
 NORTON RESIDENCE  
 FRAMING DETAILS  
 6768 SW SR 247, LAKE CITY, FL  
 SHEET 5-2