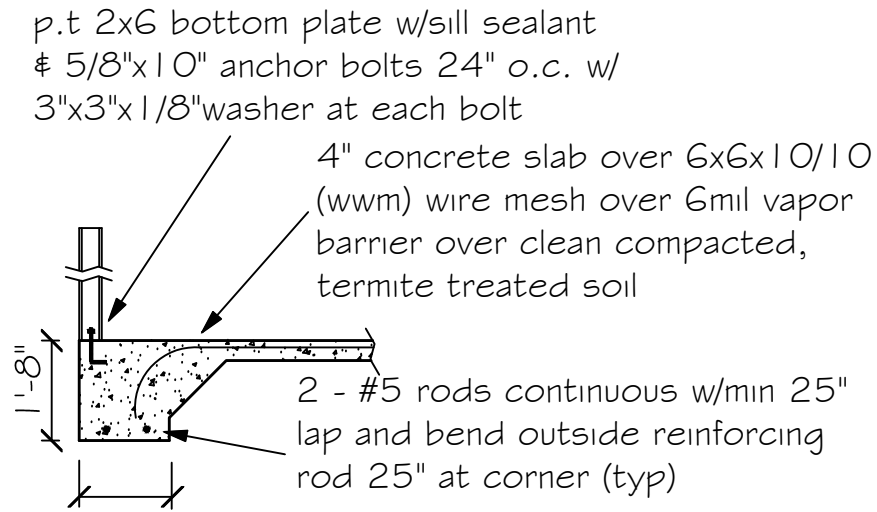
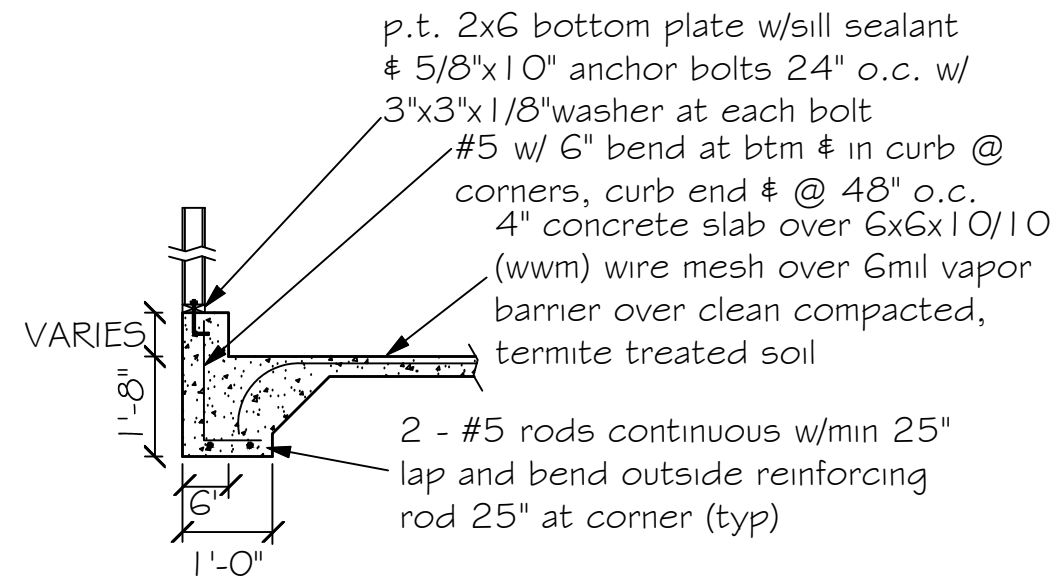


DESIGN SPECIFICATIONS

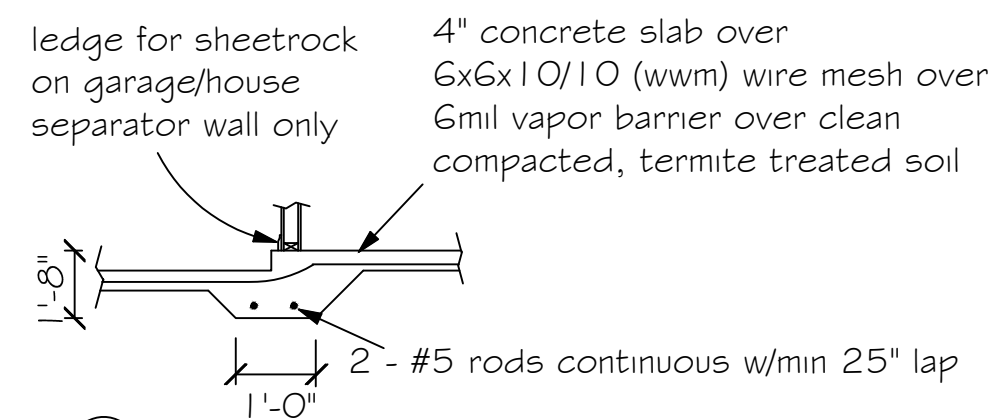
- DESIGN CODES: 2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS: ROOF CONVENTIONAL FRAMING: LL 20 PSF RAFTERS, LL 20 PSF CEILING JOISTS, DL 10 PSF RAFTERS, DL 10 PSF CEILING JOISTS, DL 30 PSF ATTICS WITH STORAGE, DL 10 PSF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



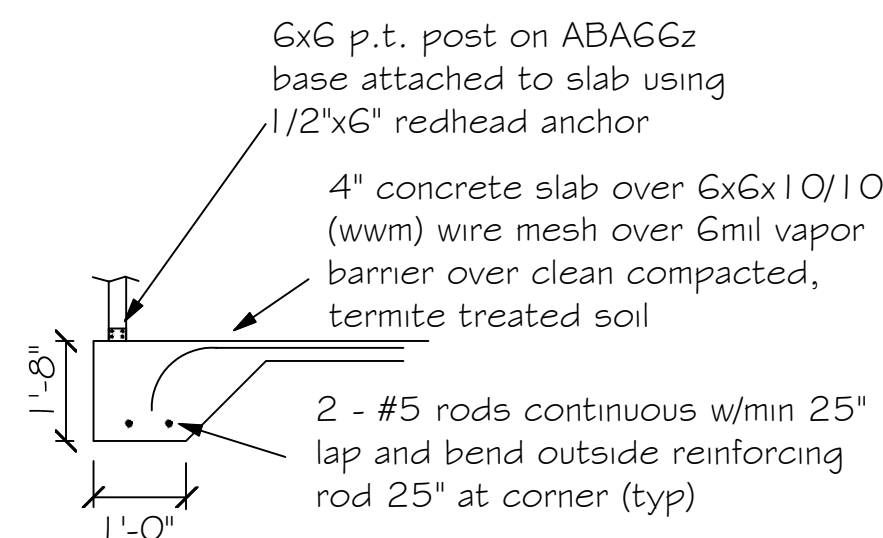
(A) Monolithic slab detail



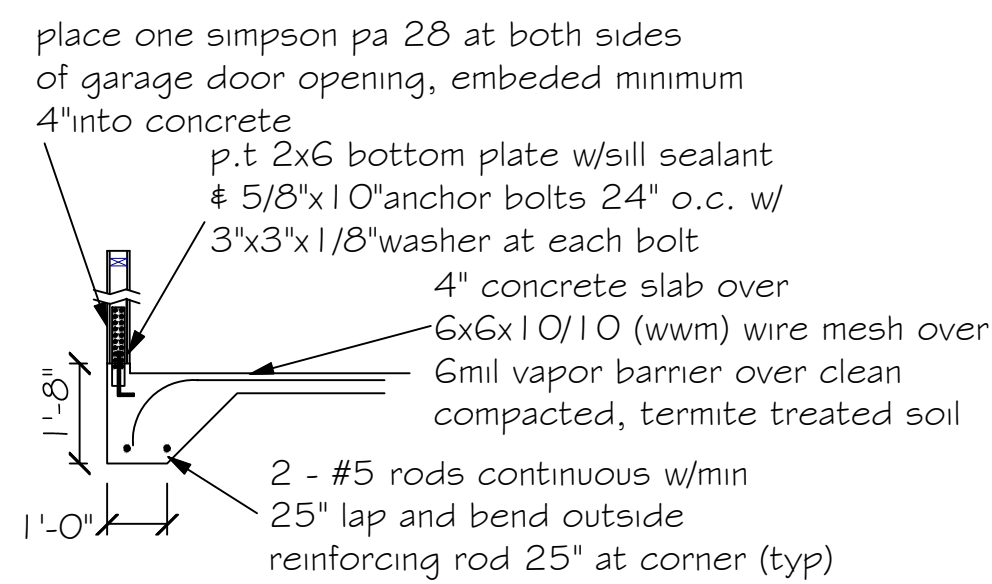
(AA) Monolithic slab w/ curb detail



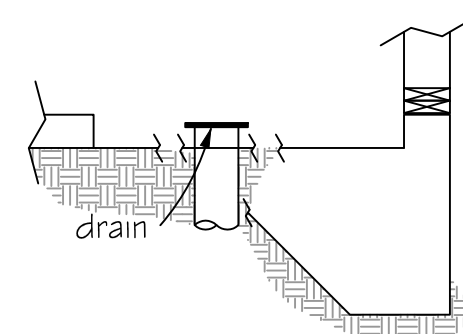
(B) Load bearing step foundation (typ)



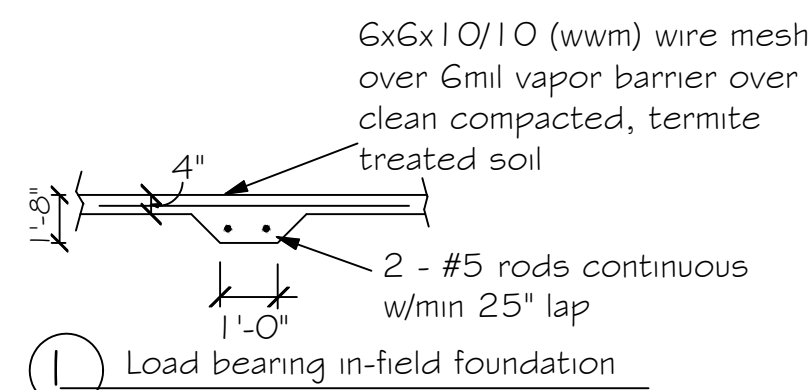
(C) Monolithic slab detail at porch



(D) Monolithic slab detail at garage

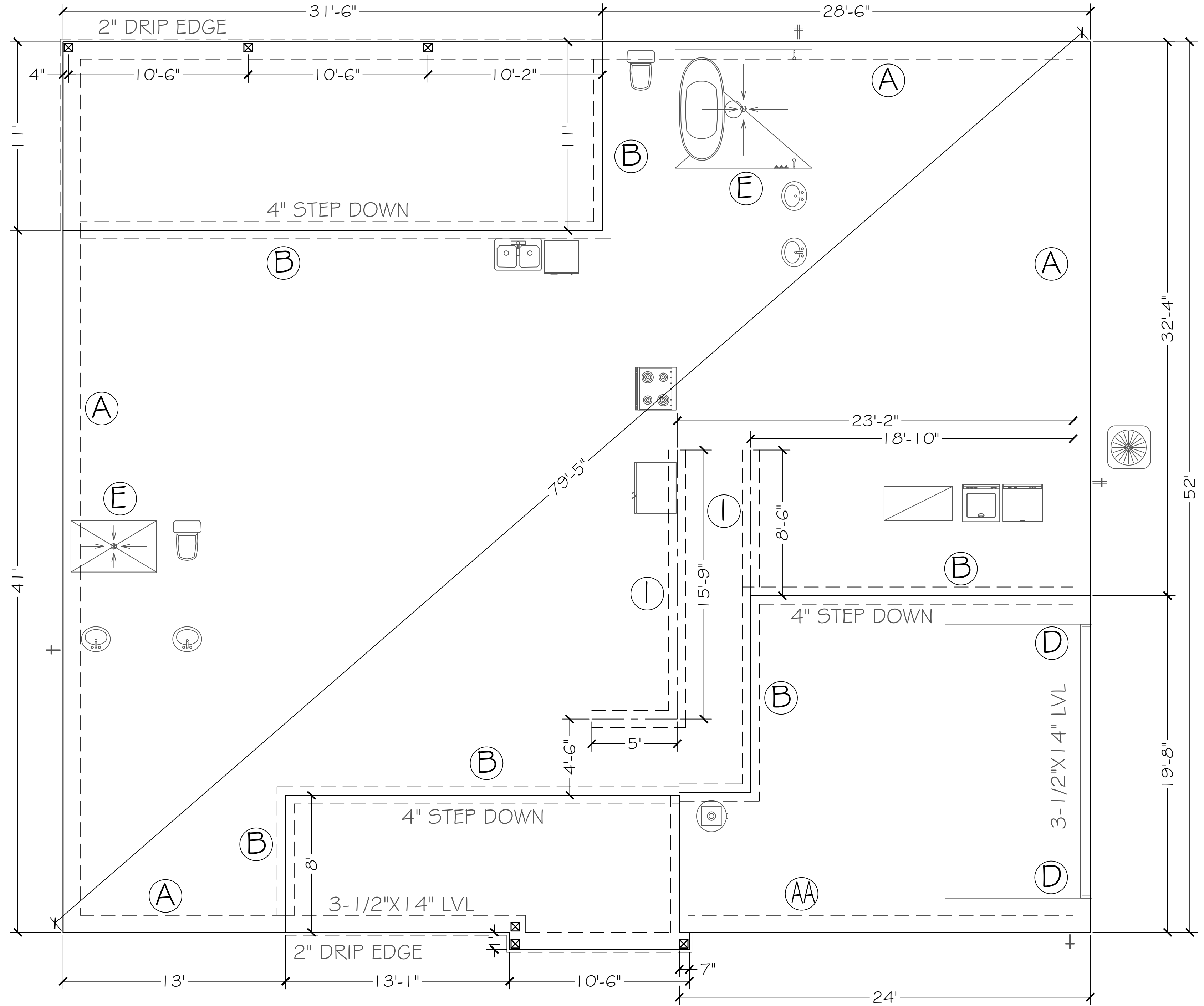


(E) Recessed Shower Detail



(I) Load bearing in-field foundation

6X6 P.T. POSTS, TYP.
C.L. OF POSTS 4" FROM EDGE OF FOUNDATION
OR 6" FROM EDGE OF DRIP LINE



6X6 P.T. POSTS, TYP.
C.L. OF POSTS 4" FROM EDGE OF FOUNDATION
OR 6" FROM EDGE OF DRIP LINE

FOUNDATION PLAN

SCALE: 1/4" = 1'

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.



CAROL CHADWICK, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA
NO. 126115
MAR. 3, 2026
8421 SW ELM CHURCH ROAD, FORT WHITE, FL
384
S-1

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 (50 SQ FT)
 BUILDING (50 SQ FT) x 500 = 25,000 IN. OF VENT REQUIRED
 50 IN. OF VENT REQUIRED ÷ 2 = 25,000 IN. OF VENT REQUIRED AT LOW
 PER FBC SECTION R903.2.3.1, SECTION R903.1, 2023 FLORIDA
 BUILDING CODE - RESIDENTIAL, 8TH EDITION FOR ROOF
 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)
CEILING	25,000	25,000
SOFFIT	25,000	25,000
TOTAL	50,000	50,000

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"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 R903.2.3.1, SECTION R903.1, 2023 FLORIDA BUILDING CODE - RESIDENTIAL, 8TH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

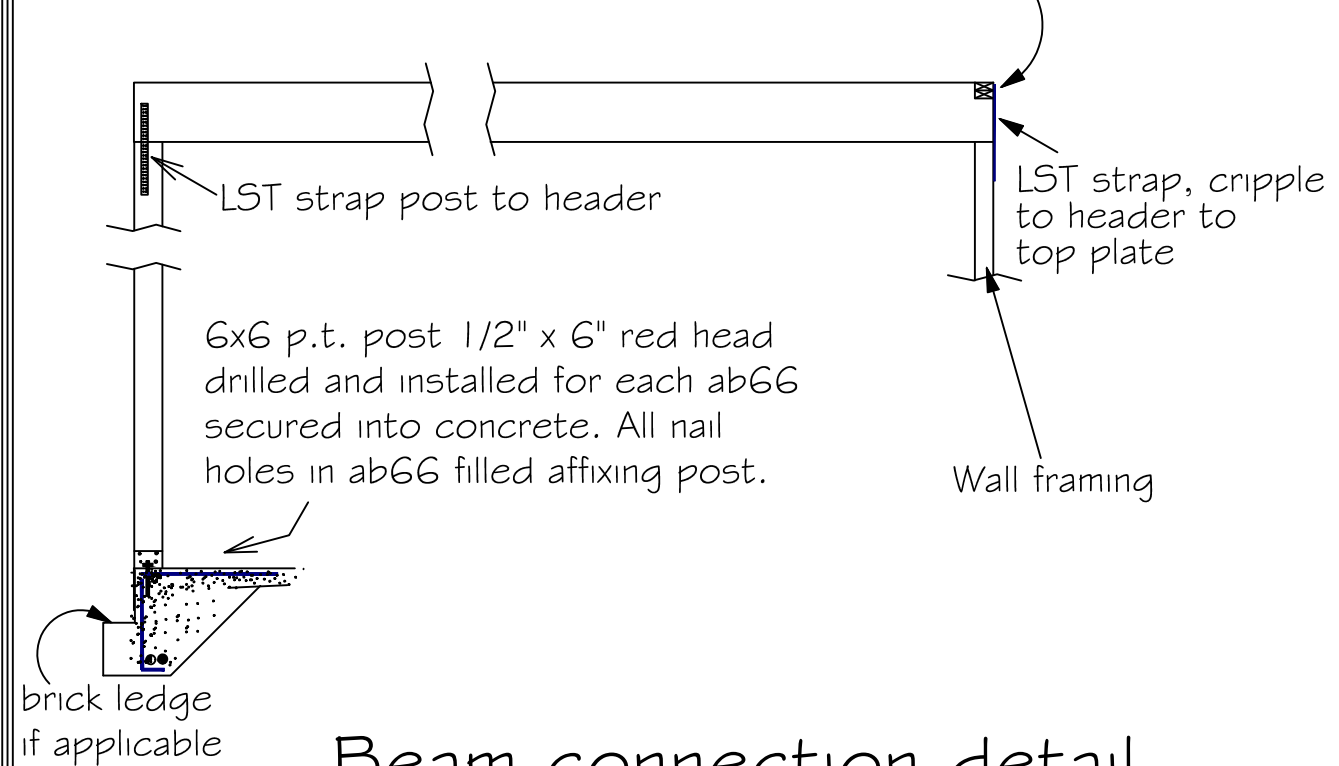
ROOF FITCH LESS THEN 4 1/2 DBL LAYER OF UNDERLAYMENT IS REQUIRED
 OVERLAP ROOFING UNDERLAYMENT 4(MIN) OVER HIP AND RIDGES
 BUTION CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY
 DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT 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

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 5.67 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 4.70 sq. inches/ sq. foot rating
 Beaded hidden vent soffits have 2.66 sq. inches/ sq. foot rating
 Triple 3-1/2" hidden vent soffits have a 9.19 sq. inches/ sq. foot rating

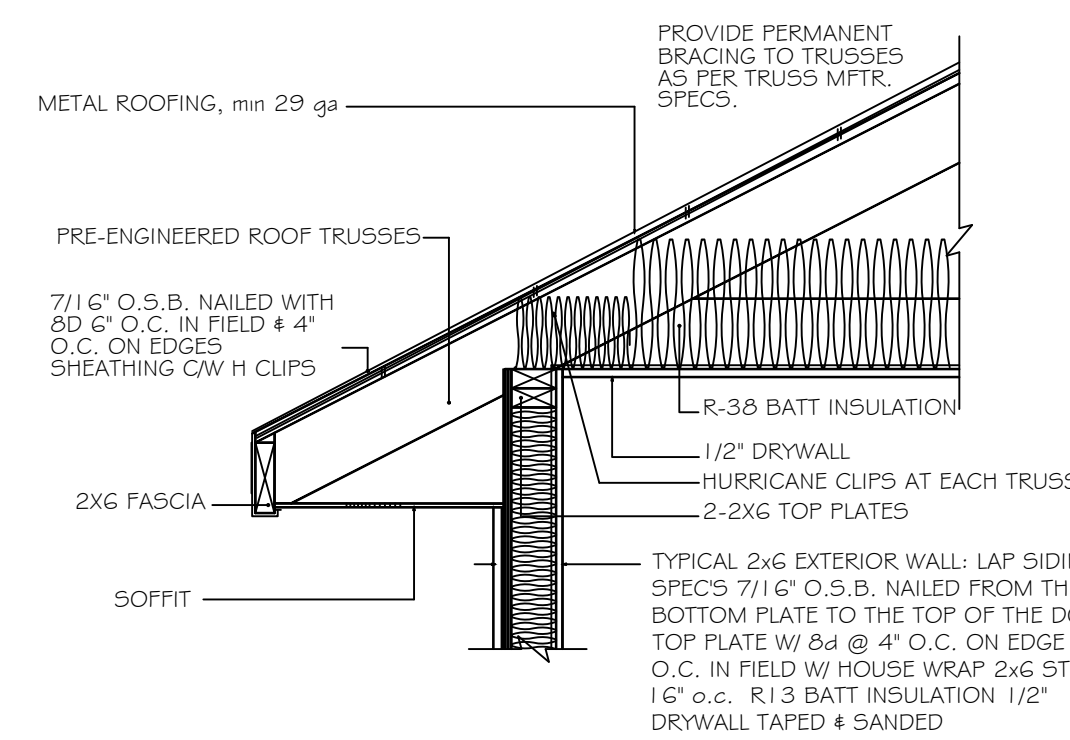
NOTE
 7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD & 4" O.C. ON EDGES

Double 2" x 12" beam used without support posts for a maximum of 10' otherwise LVL must be used notched under double top plate with framing members under each beam. Fastened with 12d nails to top plate and framing members underneath.



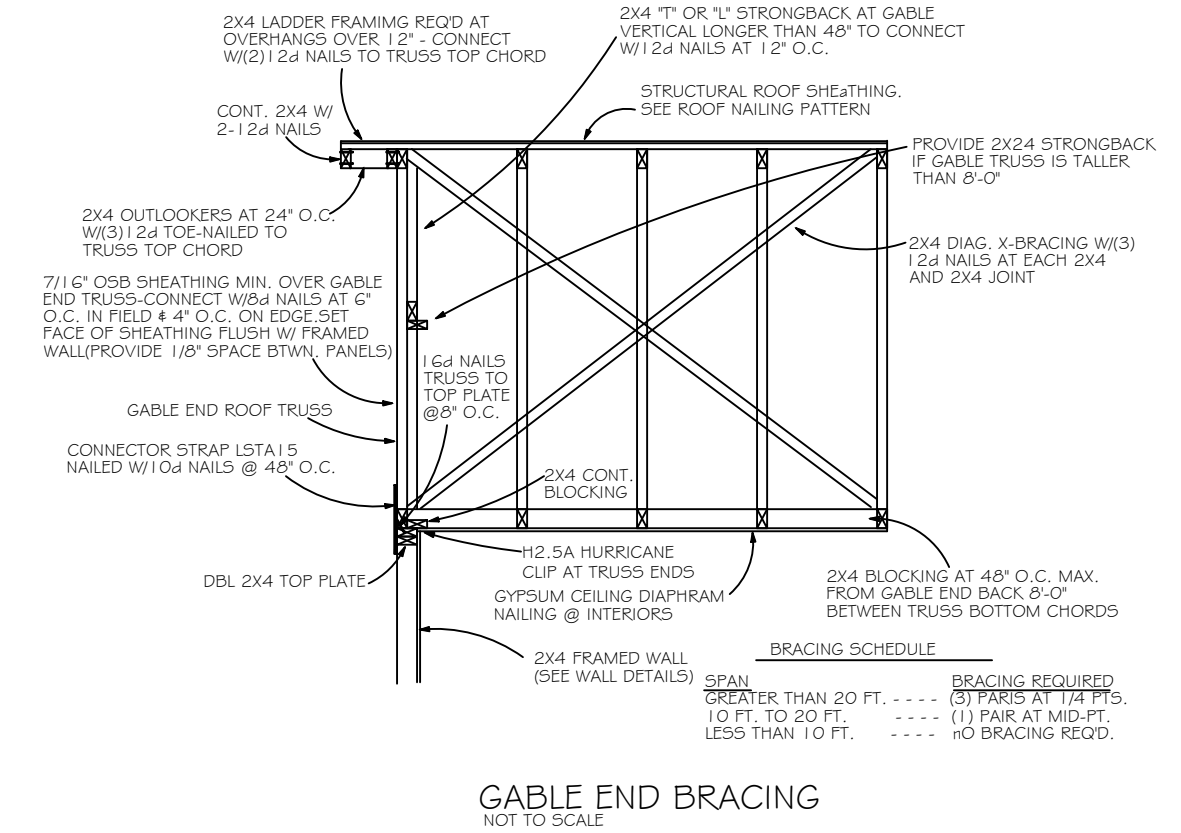
Beam connection detail

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. LST 18 strap over trimmer to header each side.

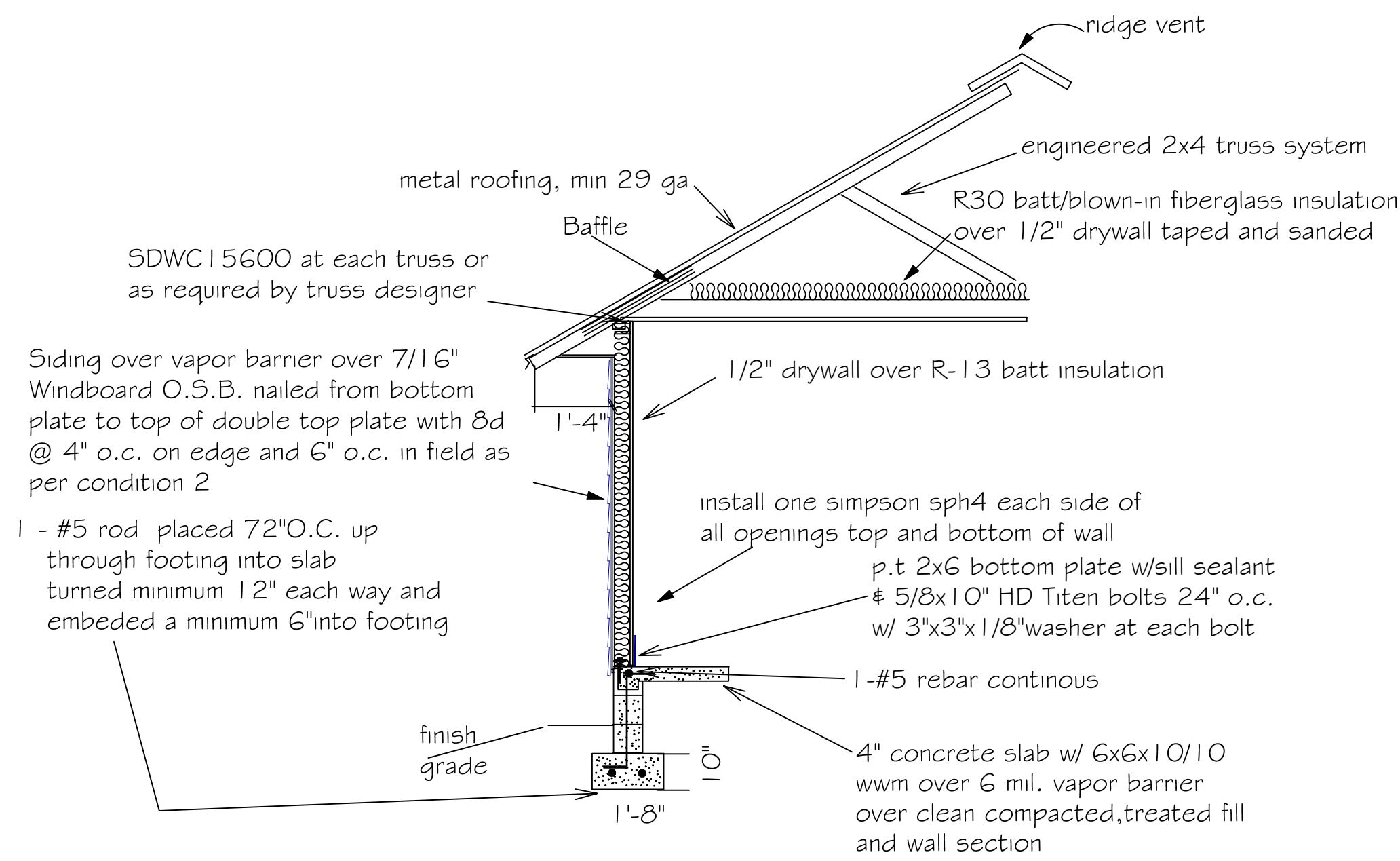


4" STUD EAVE

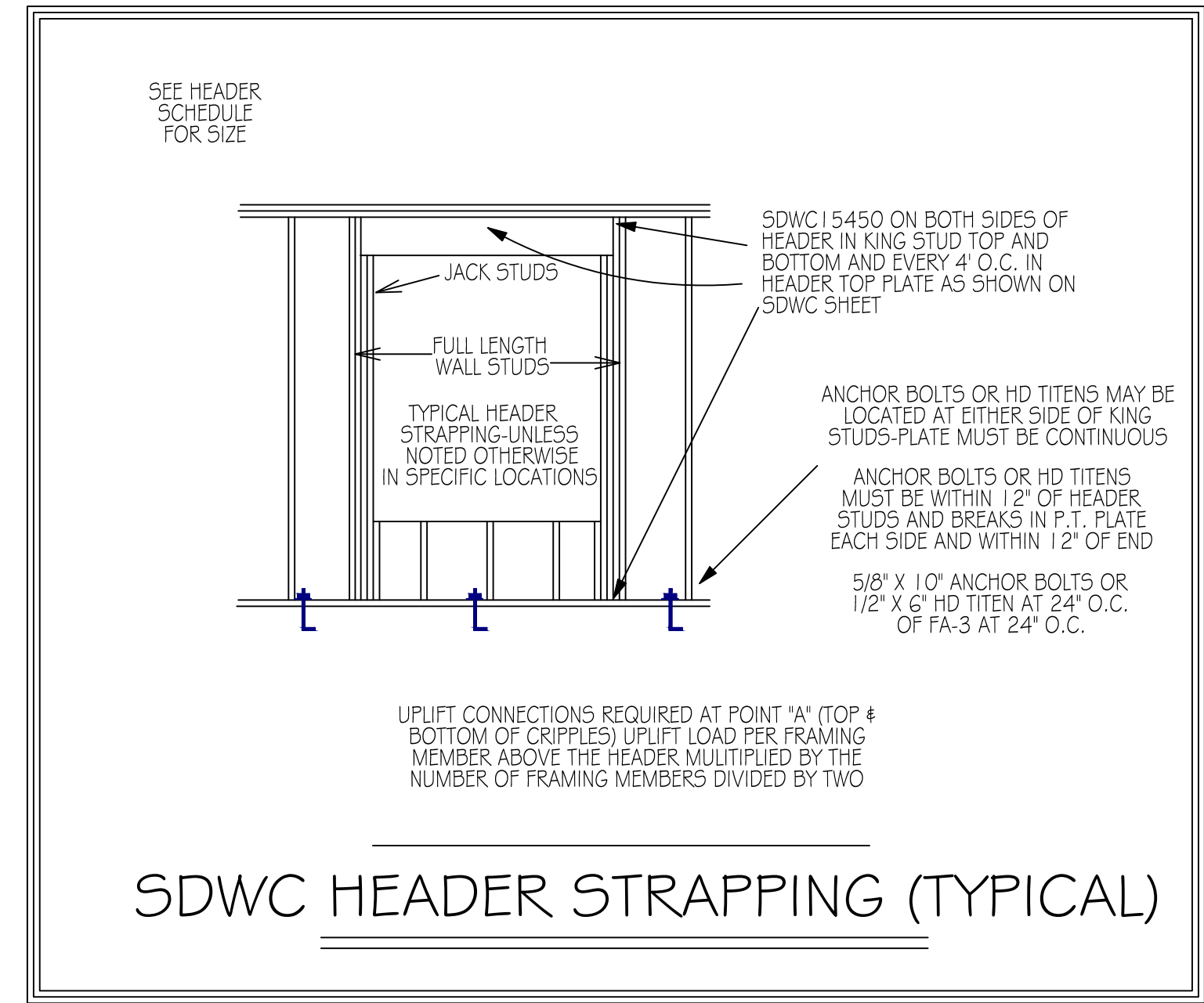
IF ANY DISCREPANCIES ARE FOUND IN THE PLANS, THE ENGINEERED PLANS SHALL APPLY.



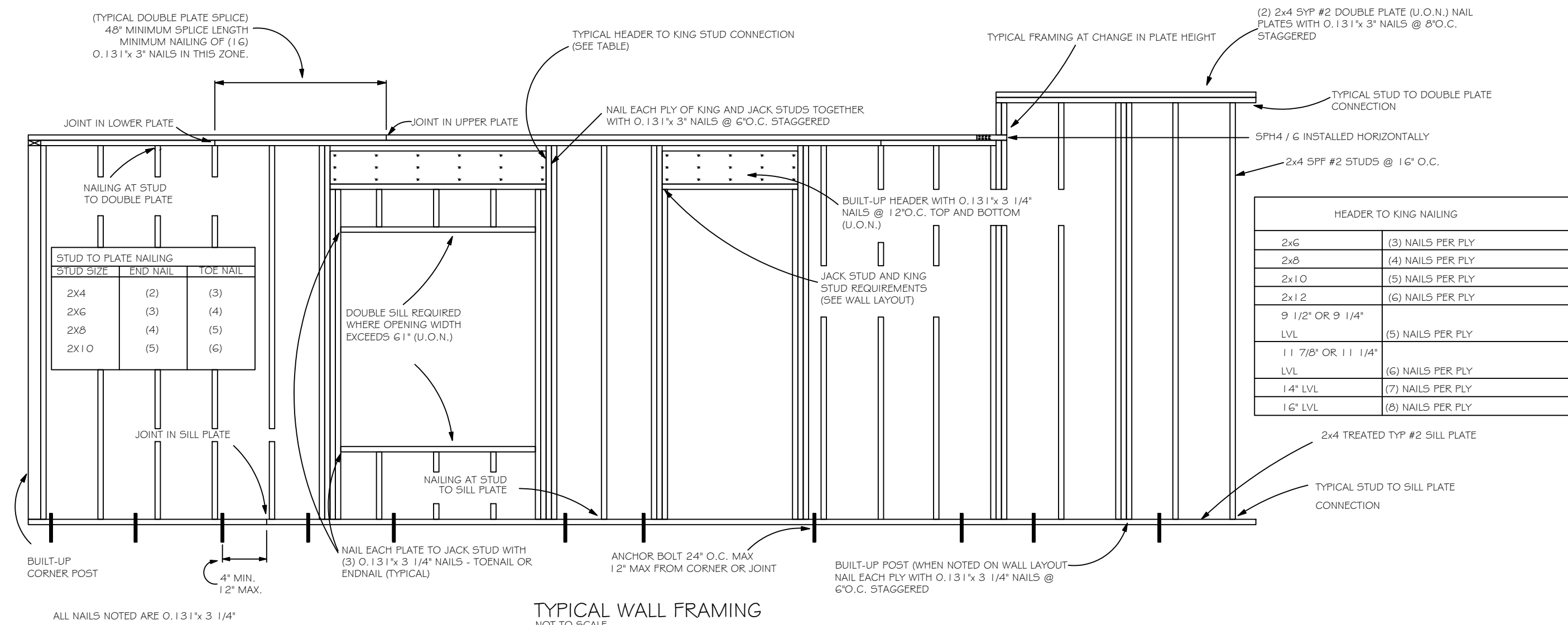
GABLE END BRACING
 NOT TO SCALE



"AA" Windboard wall detail



SDWC HEADER STRAPPING (TYPICAL)



TYPICAL WALL FRAMING
 NOT TO SCALE

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 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'
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NUMBER OF HEADER STUDS SUPPORTING END OF HEADER

1	1	2	2	2	2
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NUMBER OF FULL LENGTH STUDS AT END OF HEADER

2

CAROL CHADWICK, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 126115
 EXPIRES 12/31/2026

JOHNSON RESIDENCE
 FRAMING DETAILS
 8421 SW ELM CHURCH ROAD, FORT WHITE, FL

DATE: 3-2-2026

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