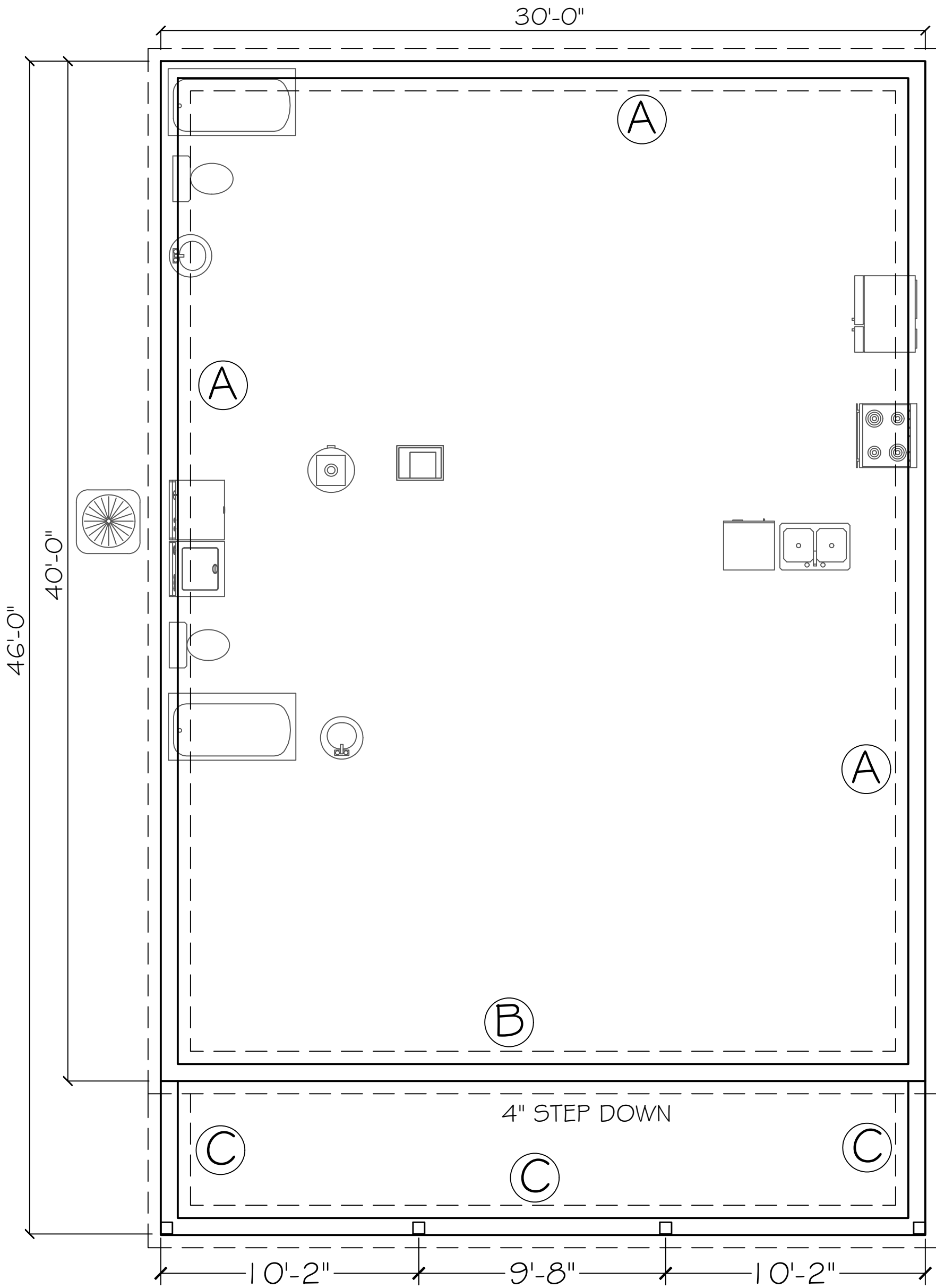
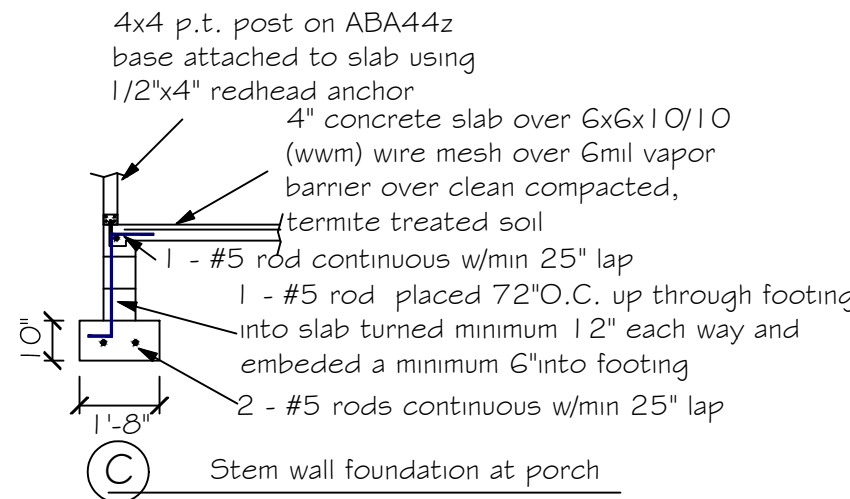
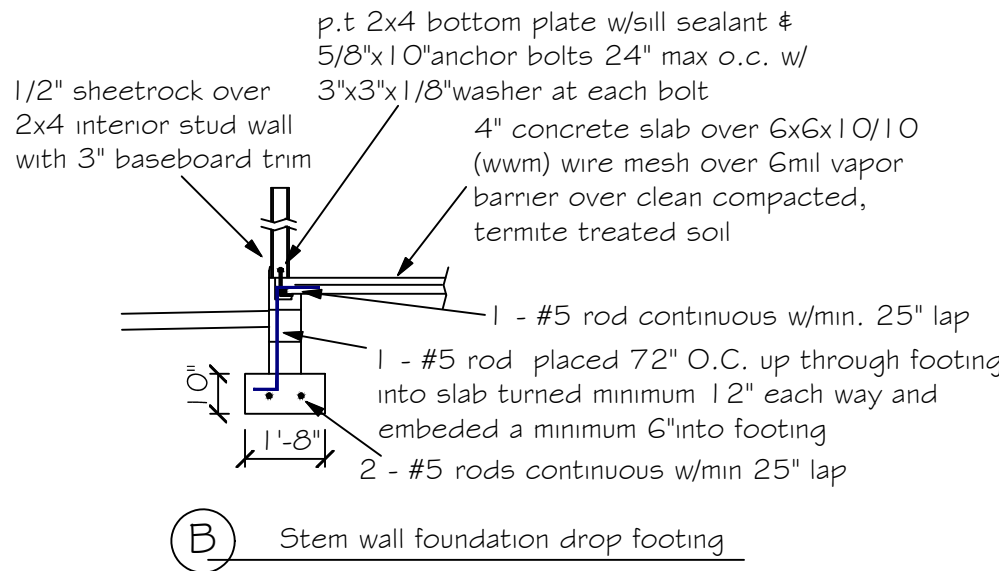
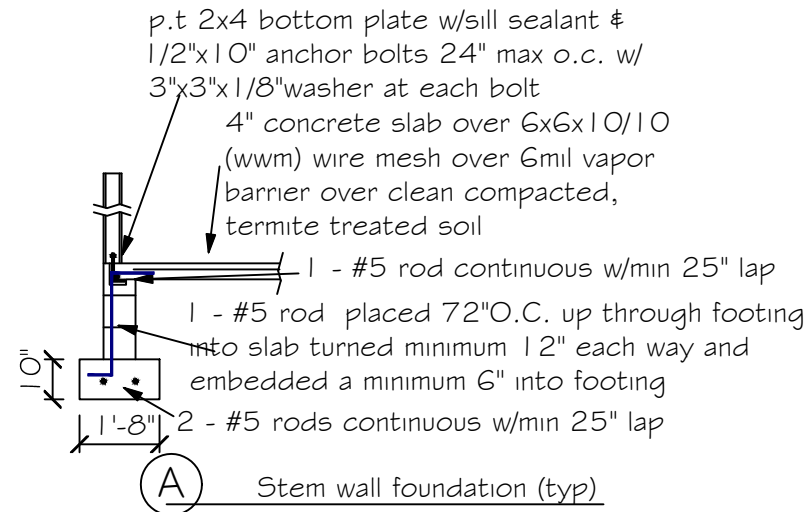


DESIGN SPECIFICATIONS

- 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 CGp1 ±



FOUNDATION PLAN
SCALE: 1/4" = 1'

FOUNDATION NOTES

- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS,
RECESSES IN SLAB, STEP DOWNS, ETC.
- SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY.
CONCRETE STRENGTH SHALL BE 2500 PSI.
- 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 PER FBC-RES, SECTION R403.1.4



SYKES RESIDENCE FOUNDATION PLAN 195 NW FISHER COURT, LAKE CITY, FL	DESIGNED FOR WHITIRON CONSTRUCTION CO SUITE 115-242 LAKE CITY, FL 32095 (866) 754-7367	CAROL CHADWICK, P.E. Professional Engineer No. 12580 Ex. 12580 State of Florida	REVISIONS
	DATE: JUNE 11, 2024 BY: [Signature] CHECKED BY: [Signature] SCALE: 1/4" = 1'	DATE: [Blank] BY: [Blank] CHECKED BY: [Blank] SCALE: [Blank]	DATE: [Blank] BY: [Blank] CHECKED BY: [Blank] SCALE: [Blank]

This item has been digitally signed and sealed by Carol Chadwick, P.E. on the
date reported to the state. Printed copies of this document are not considered
signed and sealed and the signature must be verified on any electronic copies.

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 = SQ IN AT HIGH AND 50% AT LOW						
PER REC SECTION R803.2: 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 - 5TAMPFC W/ 3G SQ IN (NFA) PER LINEAL FT						
(b) SOFFIT VENTS - 6" T3-1/3" FULL VENT PERFORATED W/ 9-1/9 SQ IN (NFA) PER LINEAL FT						
CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 9' FROM PROPERTY LINE						
AREA (SQ FT)	REQUIRED	PROVIDED				
HIGHT	LOW	VENTS	HIGHT	AREA	LOW	
RIGHT (1) 8" VENT = 21.6 SQ IN						
LOW (1) 3/8" VENT = 9.19 SQ IN						
SOFFIT TABLE VENT SPECS						
Double 5" perforated soffits have a 6.20 sq. inches/ sq. foot rating						
Triple 4" center vent soffit has a 1.356 sq. inches/ sq. foot rating						
Triple 4" full vent soffit has a 5.867 sq. inches/ sq. foot rating						
Triple 4" basketweave full vent has a 14.34 sq. inches/ sq. foot rating						
Triple 4" center vent has a 4.78 sq. inches/ sq. foot rating						
Double hidden vent soffit has 2.66 sq. inches/ sq. foot rating						
Triple 3-1/8" hidden vent soffit has a 9.19 sq. inches/ sq. foot rating						

NOTE
Simpson Strong-Tie Co. Strong-Drive SDWC TRU55 Screws may be used for uplift connection in lieu of straps. Strong-Drive SDWC TRU55 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 HIPs AND RIDGES

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

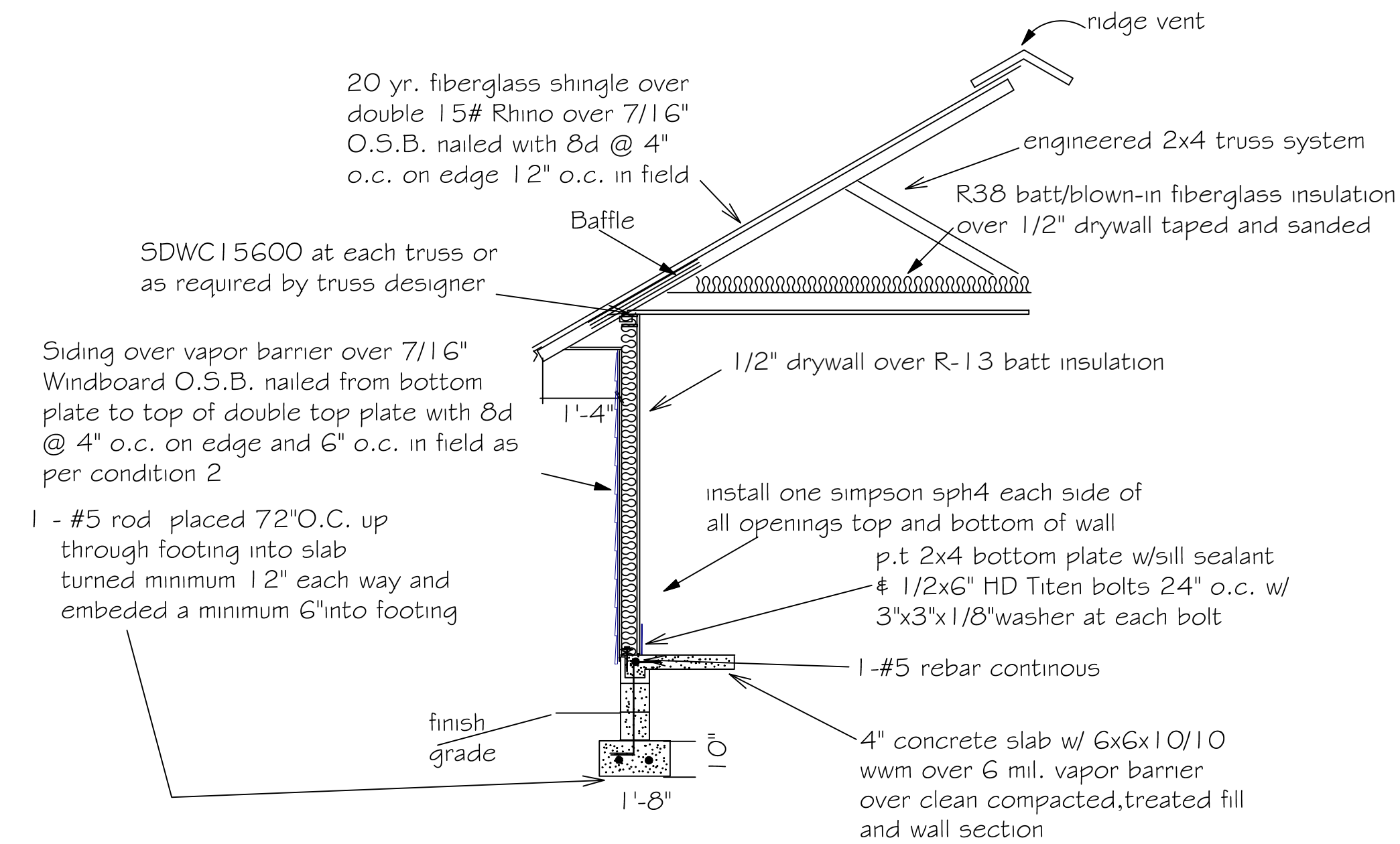
DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT AT EAVES

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

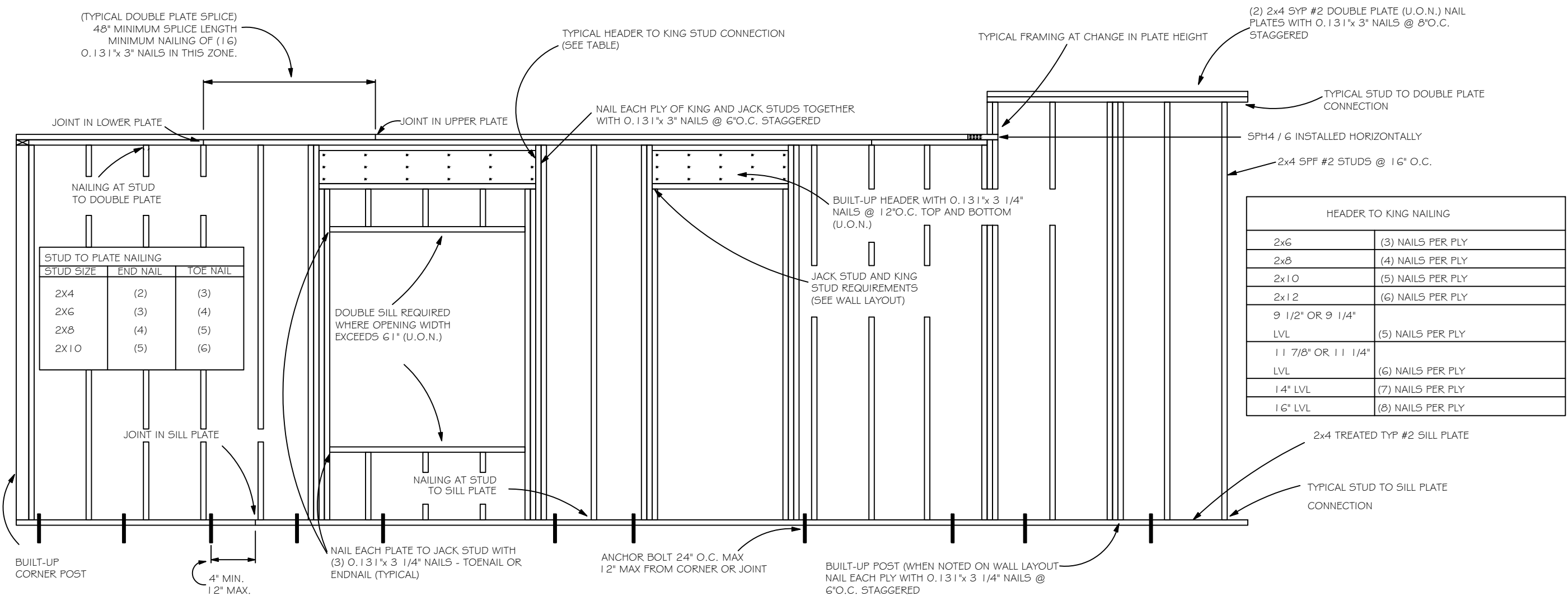
METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURERS SPECS

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

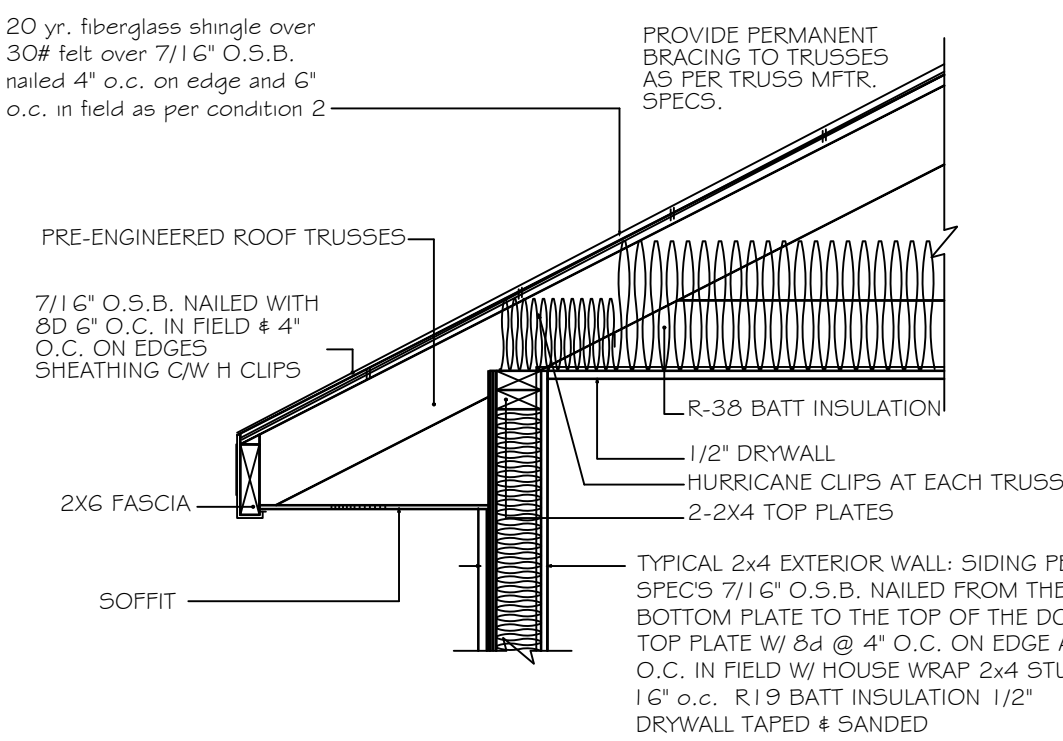
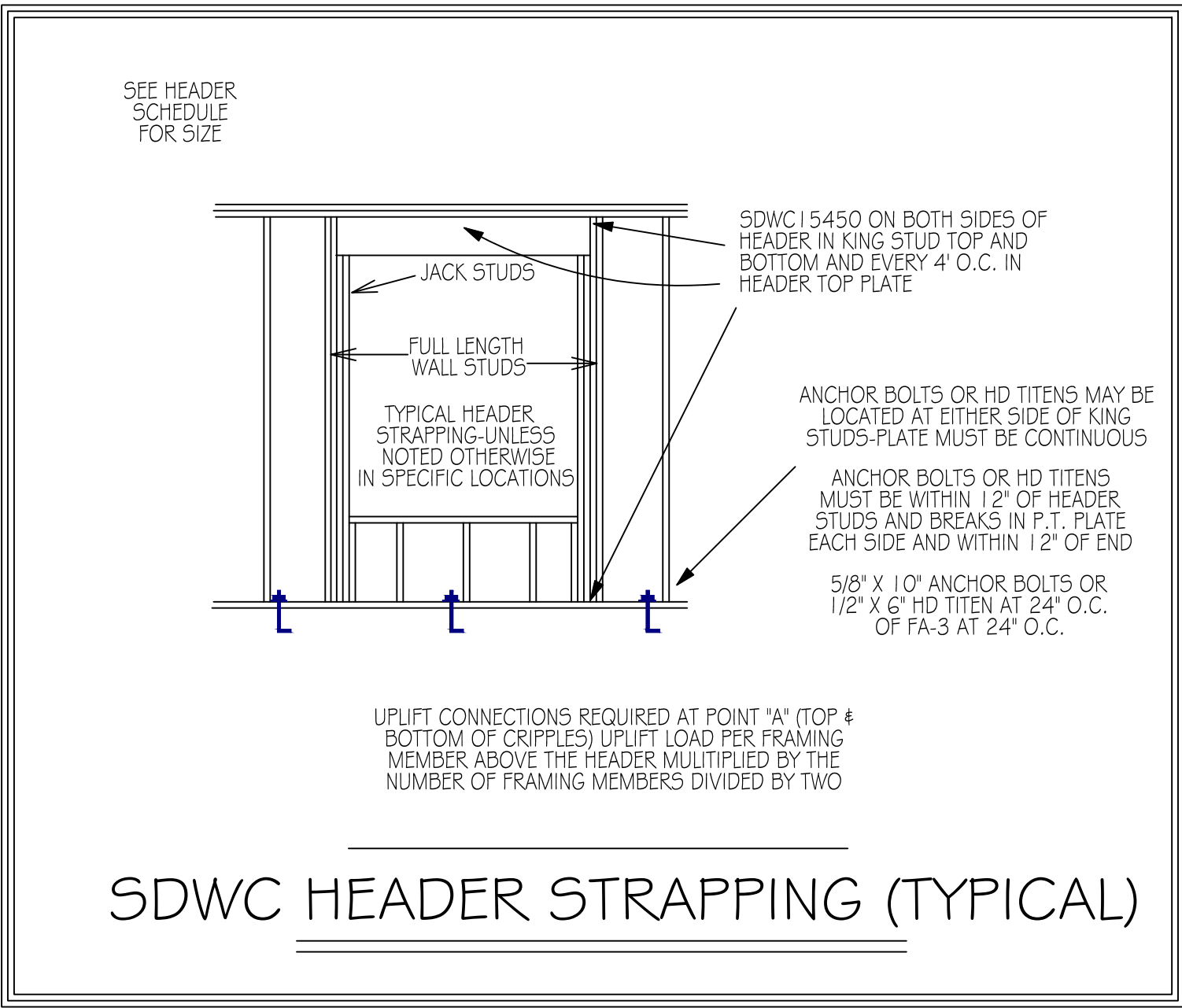
NOTE



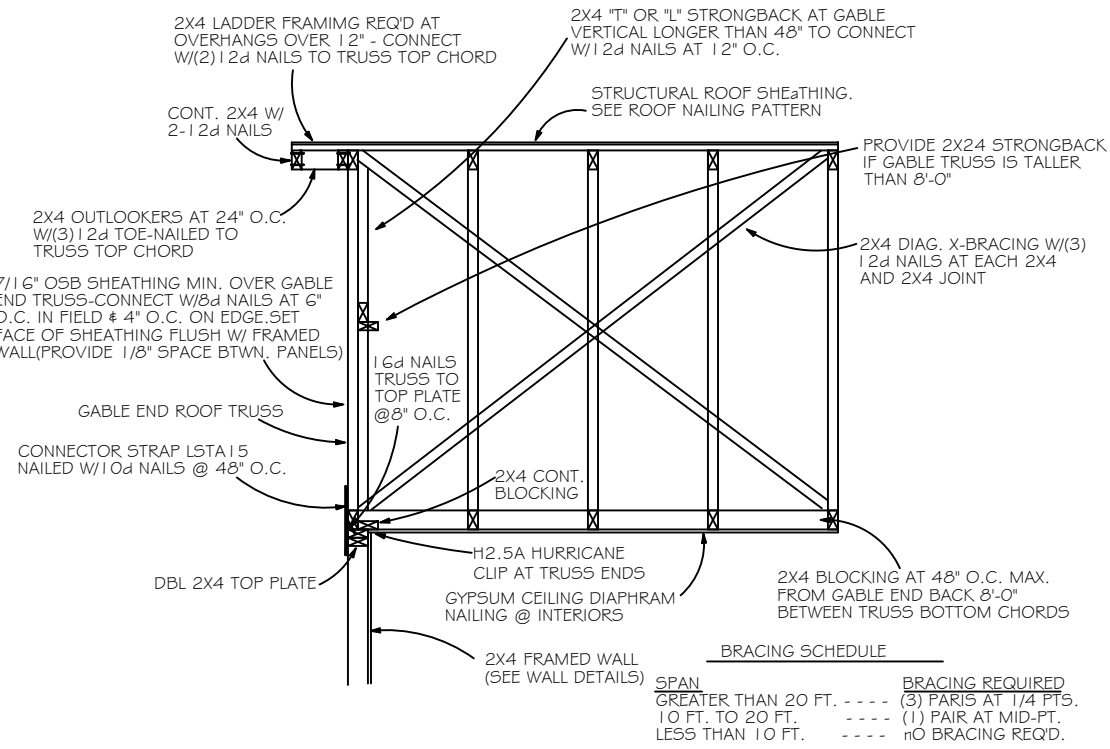
"AA" Windboard wall detail



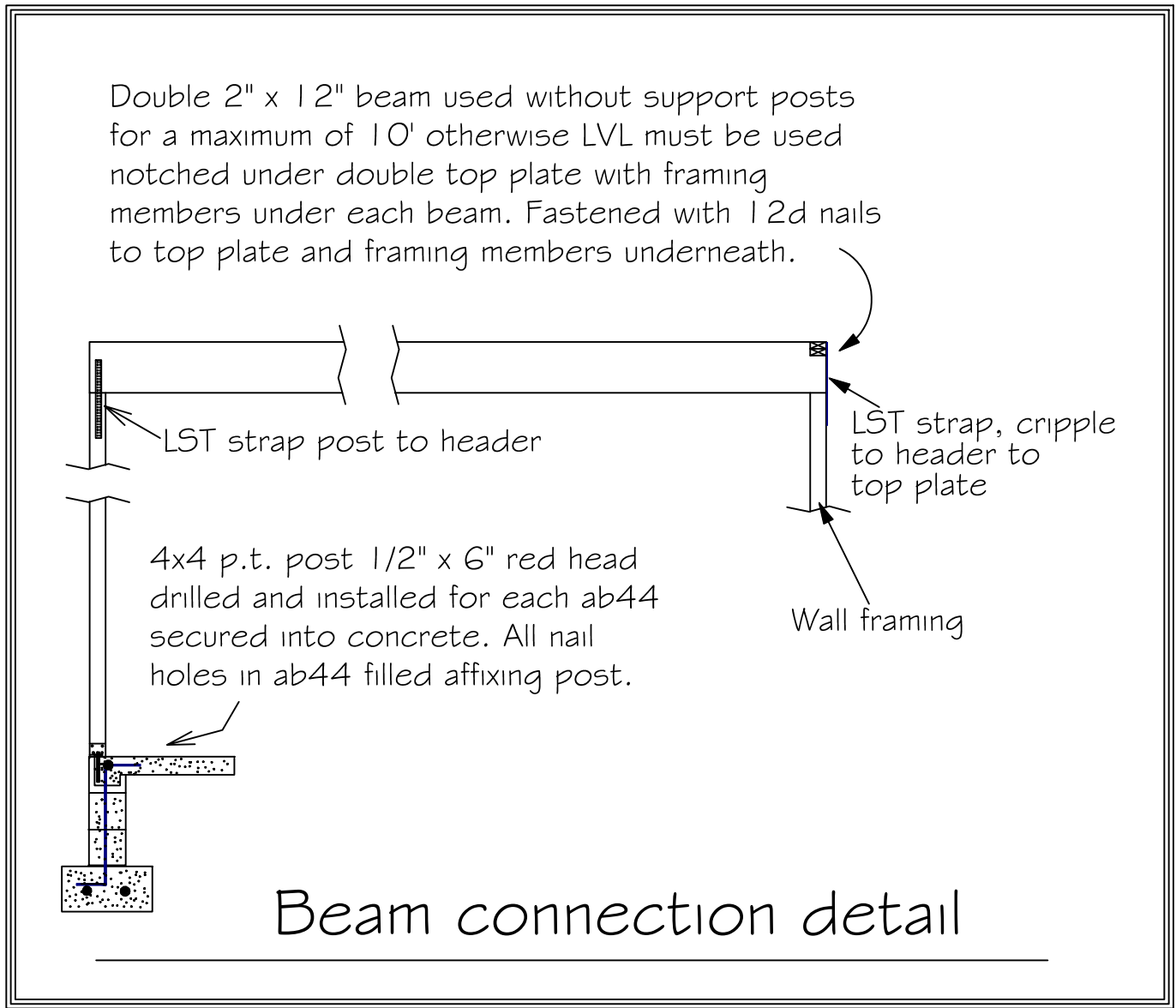
TYPICAL WALL FRAMING
NOT TO SCALE



4" STUD EAVE



GABLE END BRACING
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' 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.

