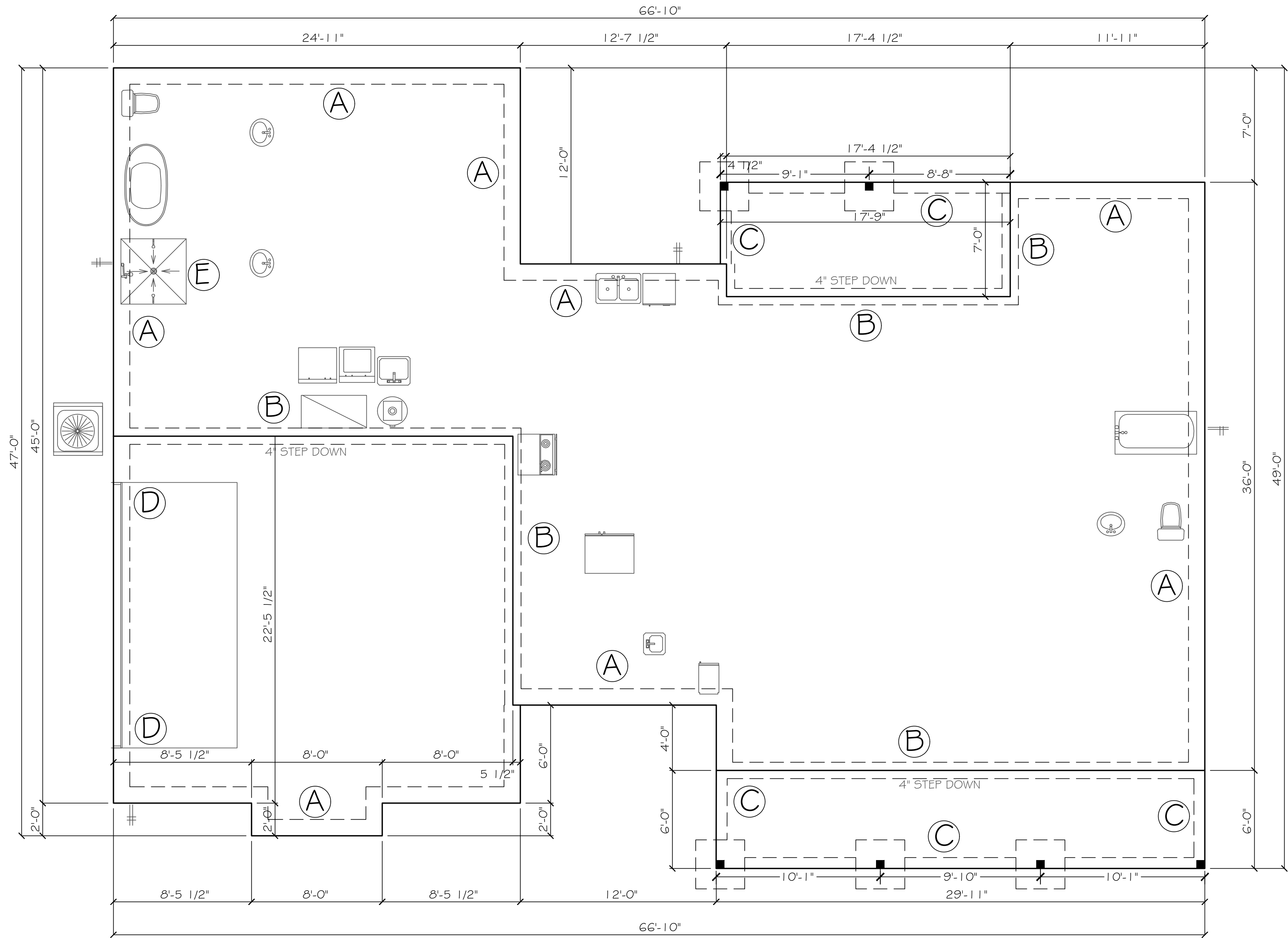


DESIGN SPECIFICATIONS

- 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 ±

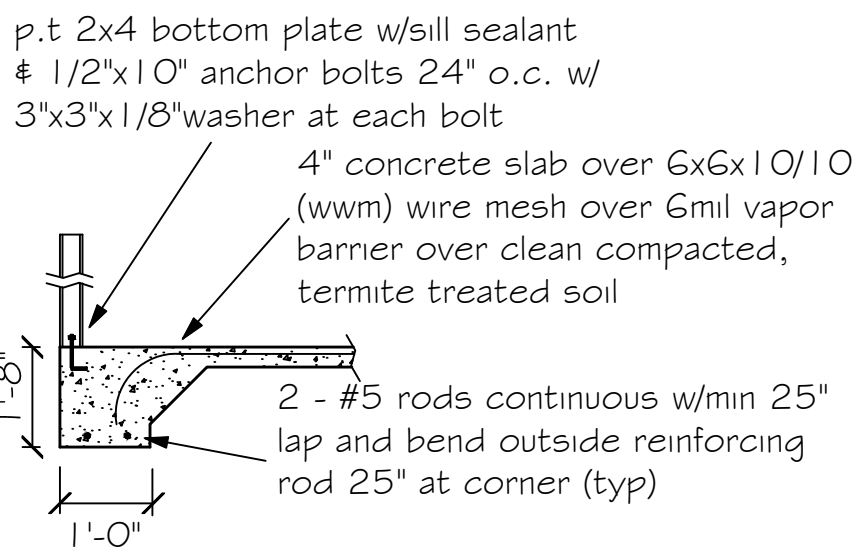


FOUNDATION NOTES

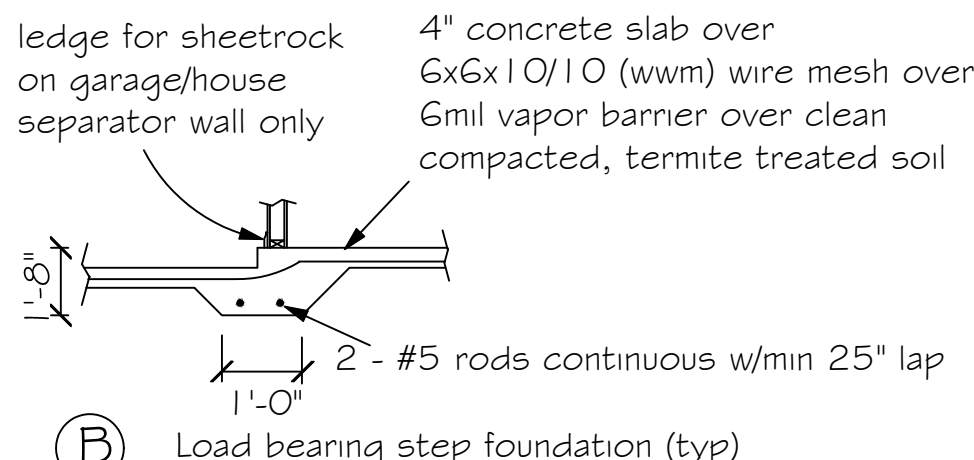
- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1/4" WELDED WIRE MESH PLACED ON CHAIRS 1/2" DEPTH OR FIBER 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.

FOUNDATION PLAN

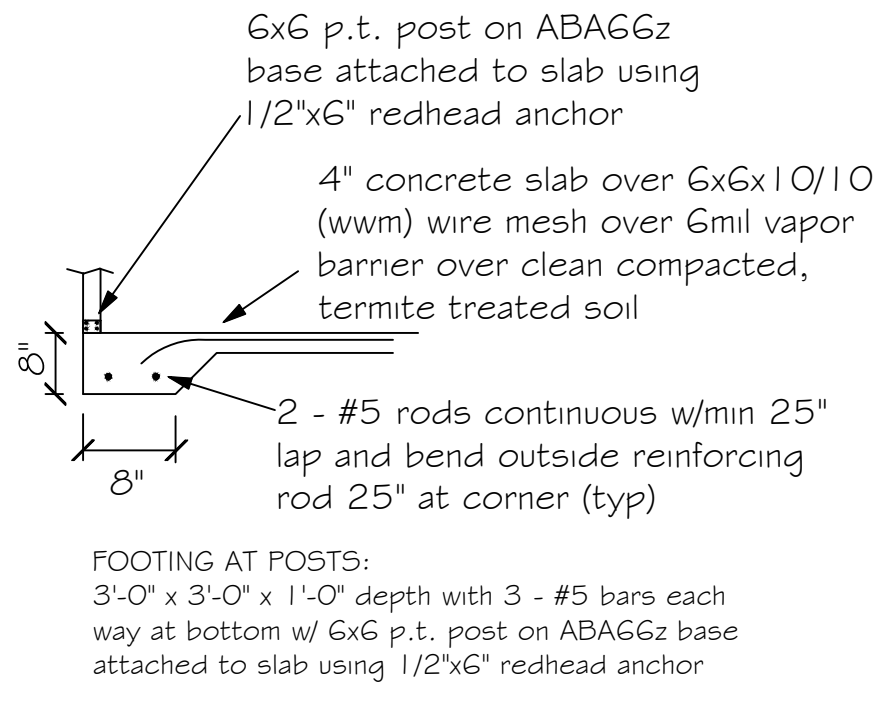
SCALE: 1/4" = 1'



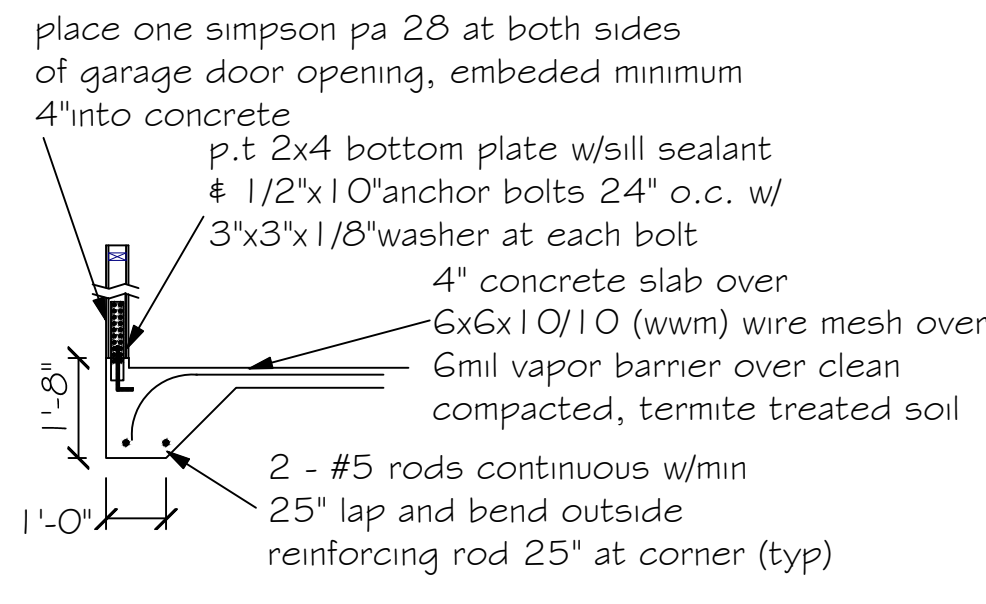
A Monolithic slab detail



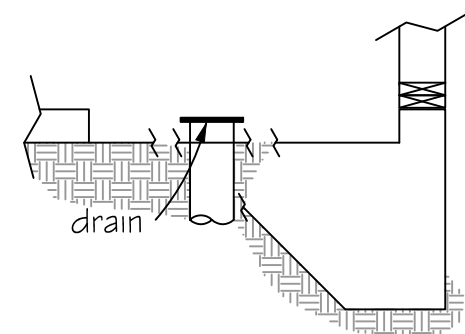
B Load bearing step foundation (typ)



C Monolithic slab detail at porch/carport



D Monolithic slab detail at garage



E Recessed Shower Detail



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

CAROL CHADWICK, P.E. Professional Engineer No. 12500 Exp. 12/31/2026 FLORIDA	
REGISTERED FOR HAPPY HOME CONSTRUCTION 3854 SW 3R 247, LAKE CITY, FL arew@happyhomes-construction.com	
PROJECT NO. F124440	DATE SEP 5, 2024
REVISION NO. 1	REVISION DATE 9-1

SOFFIT TABLE VENT SPEC'S

Double 5" perforated soffits have a 6.20 sq. inches/sq. foot rating

Triple 4" center vent soffit has a 1.956 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

Beaded hidden vent soffit has 2.66 sq. inches/sq. foot rating

Triple 3-1/3" hidden vent soffit 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"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

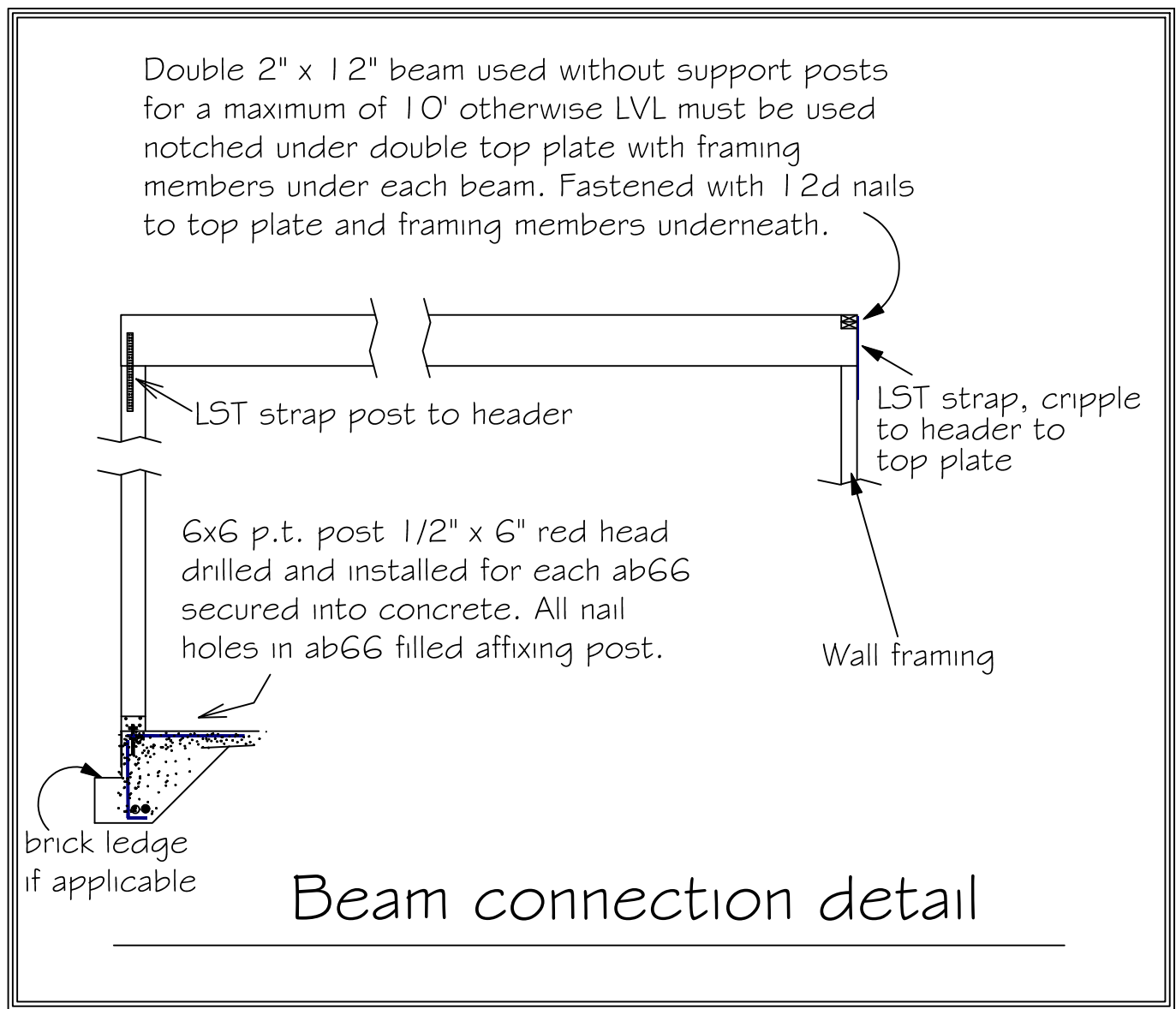
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK,
WHEN SHINGLES NOT INSTALLED SAME DAY

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

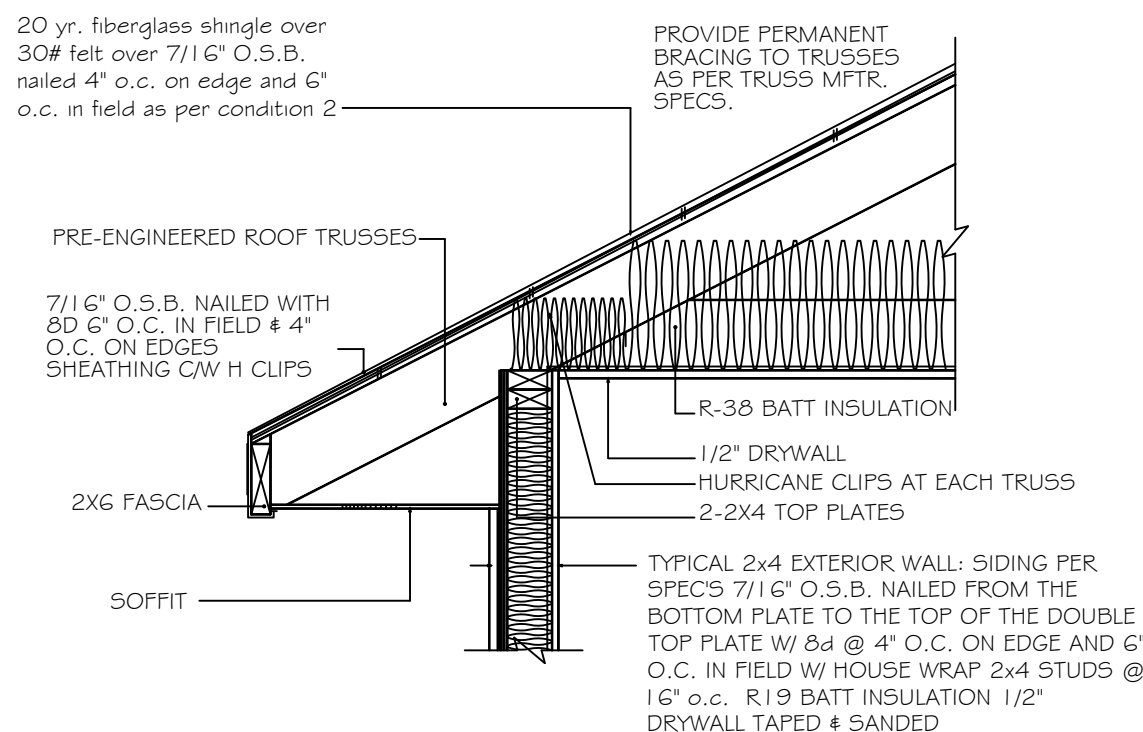
ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE
CORRECT SIZE FOR THE PENETRATION

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

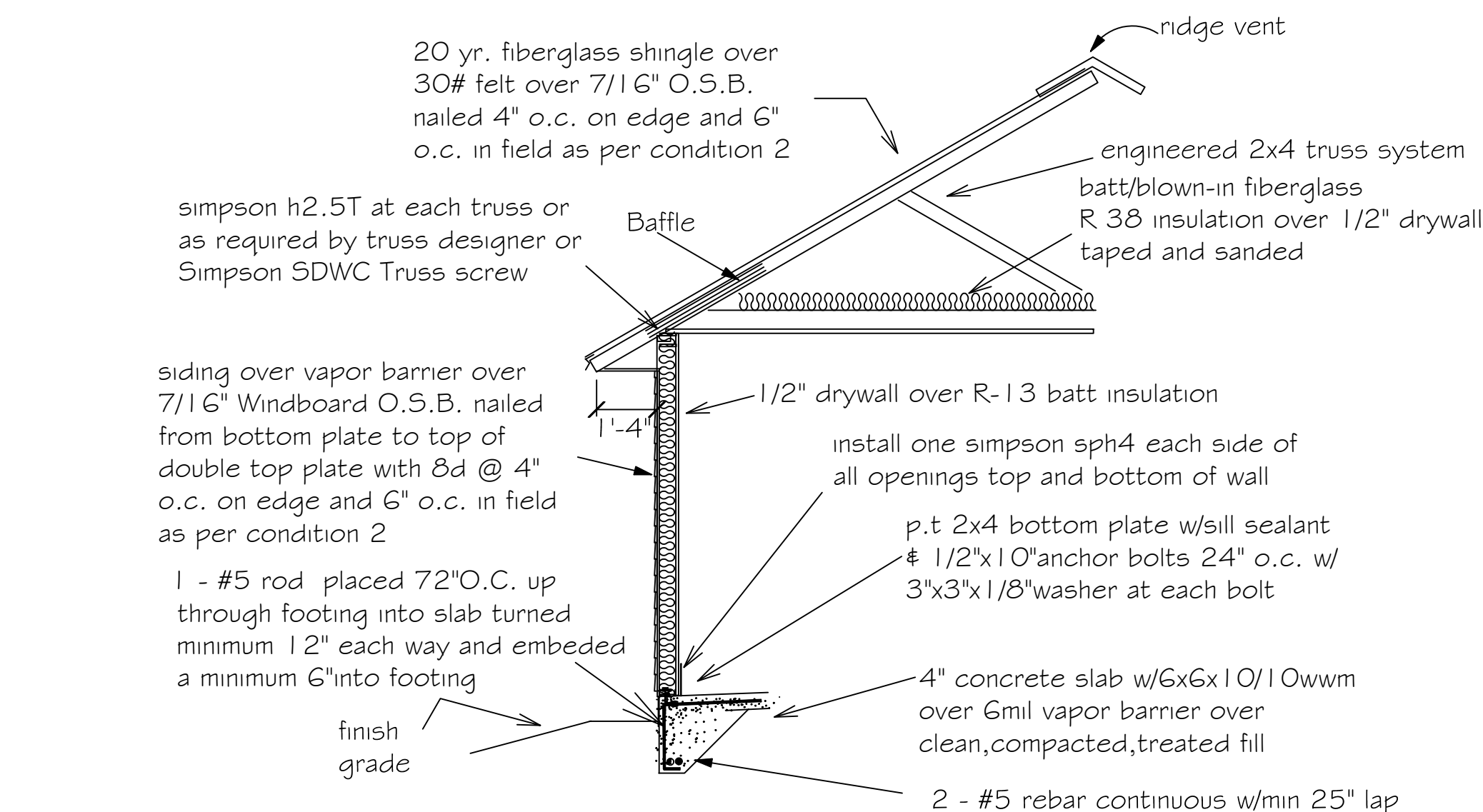
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING



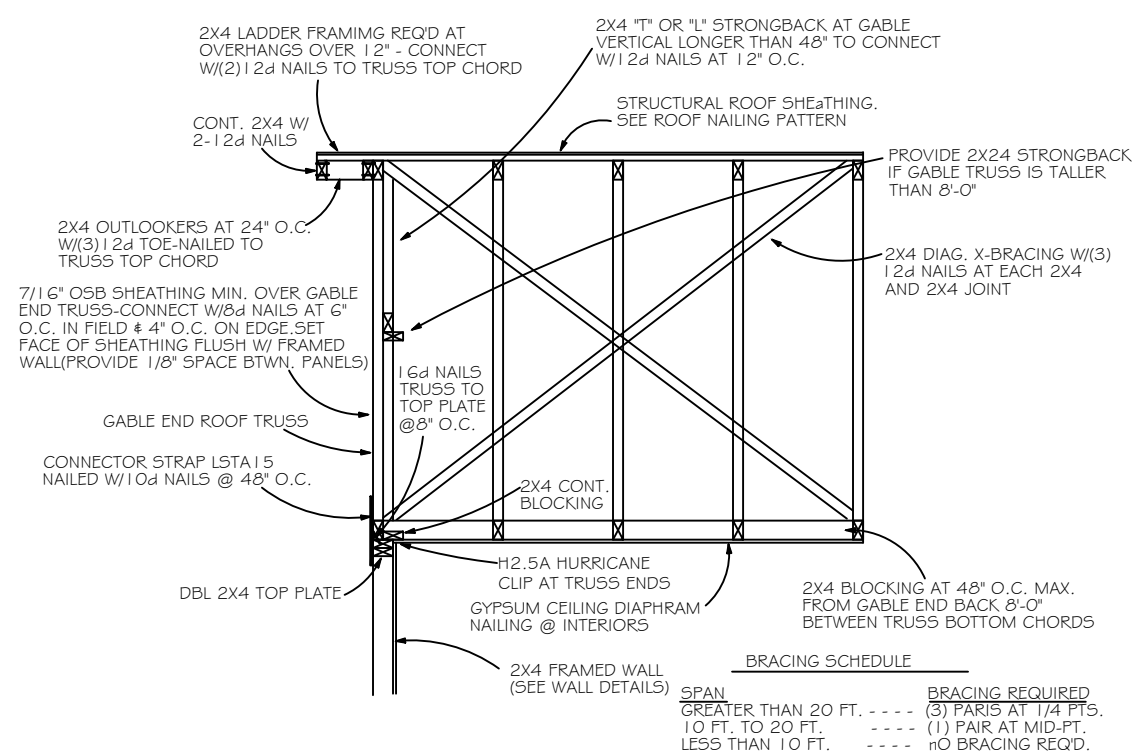
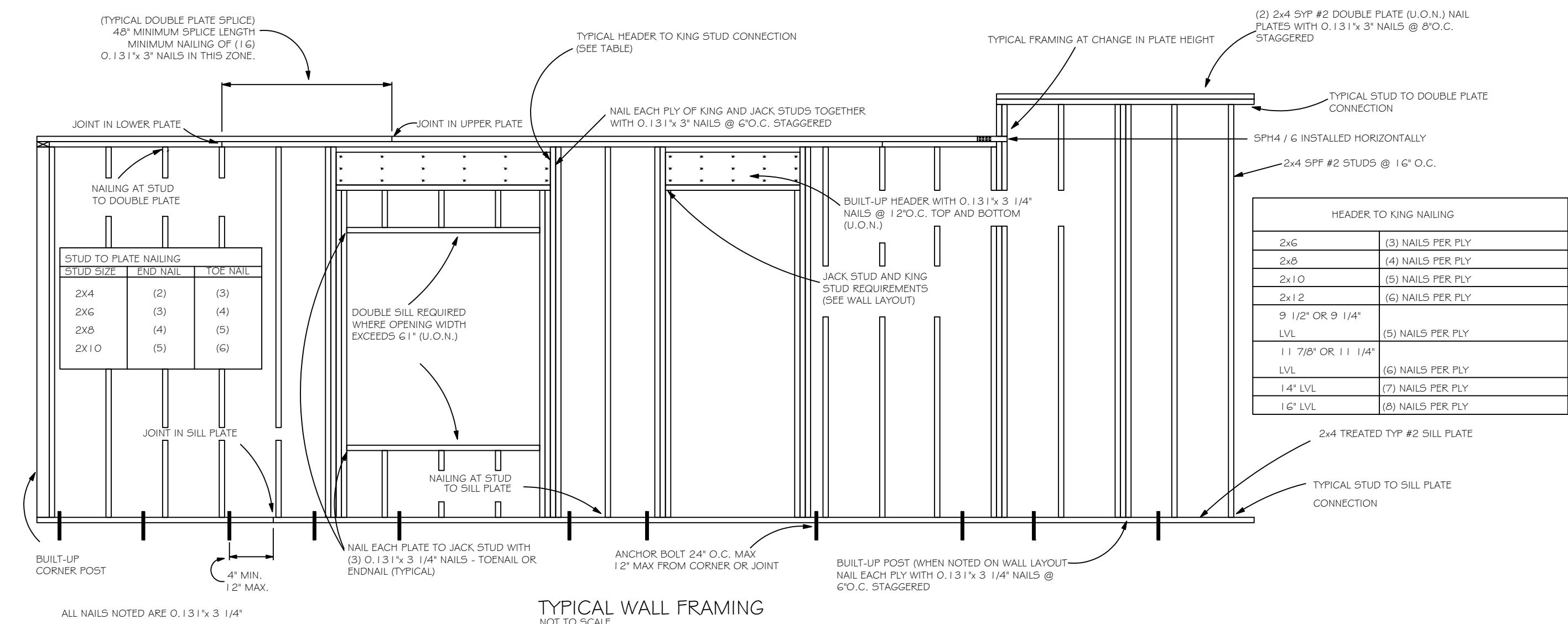
Double 1 3/4" x 1 1/4" LVL beam over opening up to 12'
Double 1 3/4" x 1 1-7/8" LVL beam over opening over 12' and up to 14'
Double 1 3/4" x 1 1/4" LVL beam over opening over 14' and up to 16' with 3 king
studs each end and 2 trimmers each end of beam. Fastened with 12d nails to
top plate and framing members. One PA28 at both sides of opening embedded
min 4" into concrete. LST18 strap over trimmer to header each side.



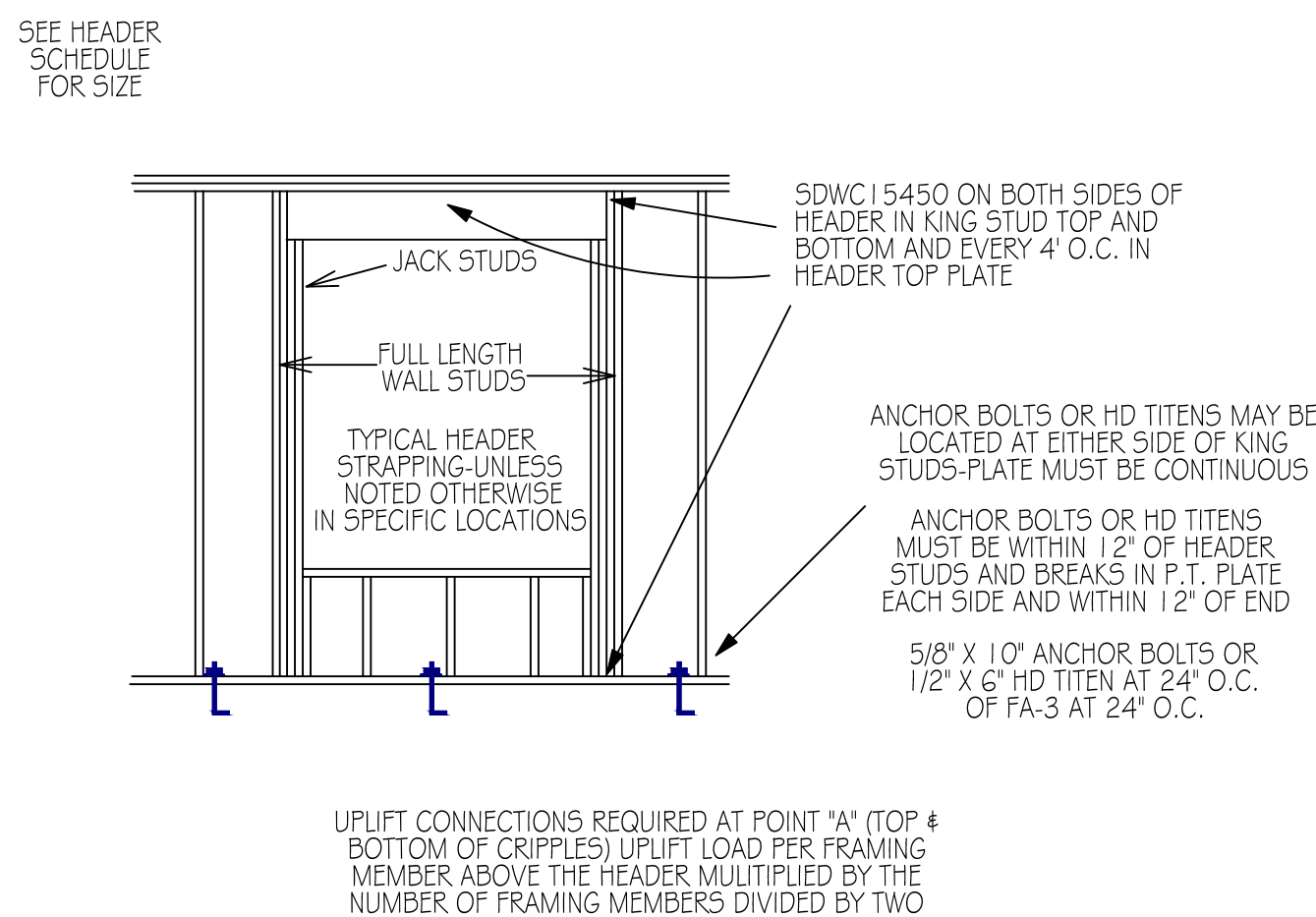
4" STUD EAVE



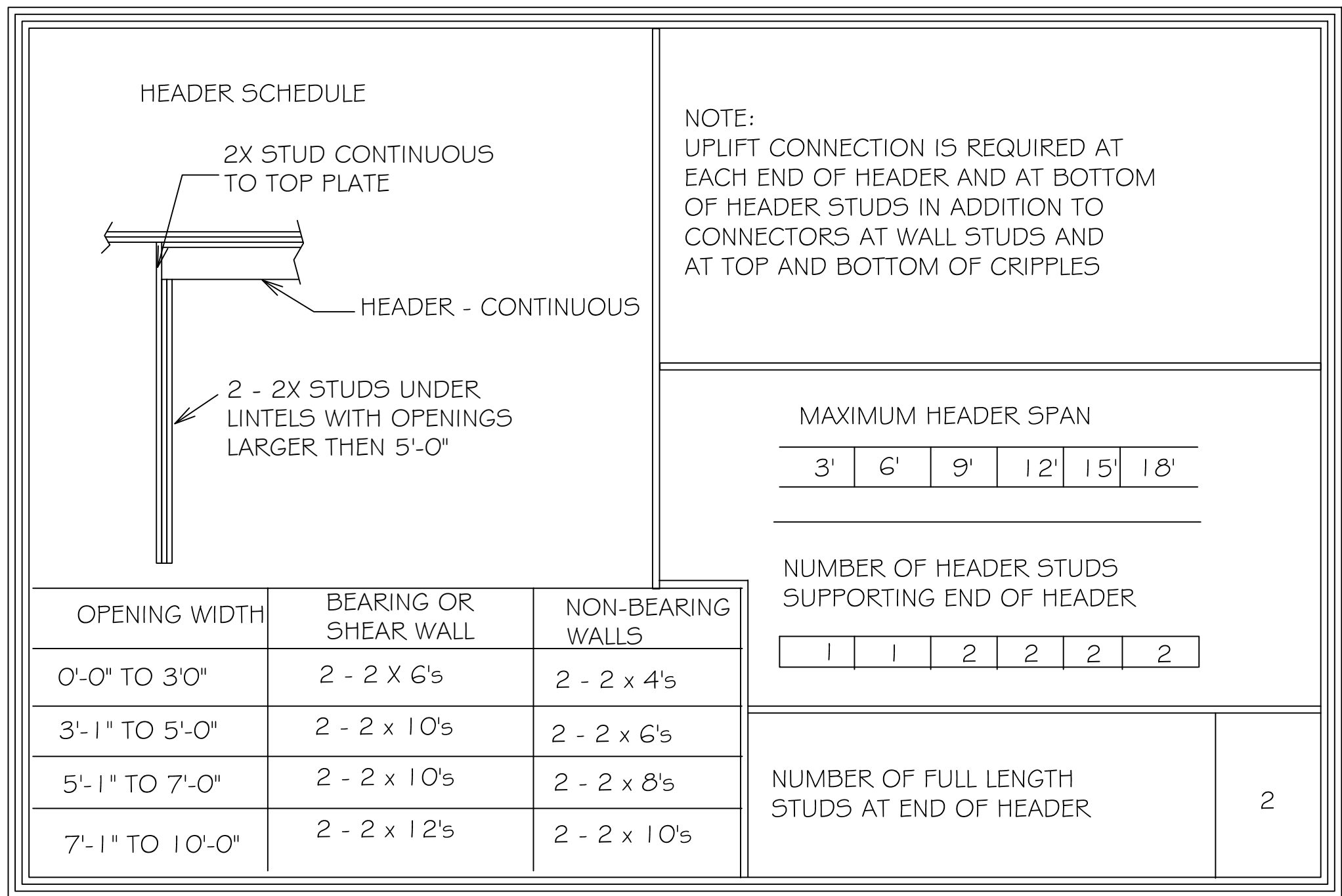
"AA" Windboard wall detail



GABLE END BRACING
NOT TO SCALE



SDWC HEADER STRAPPING (TYPICAL)



Digitally signed by
Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A0141
0D0000018D46384
E7500032FEE,
cn=Carol Chadwick
Date: 2024.09.05
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