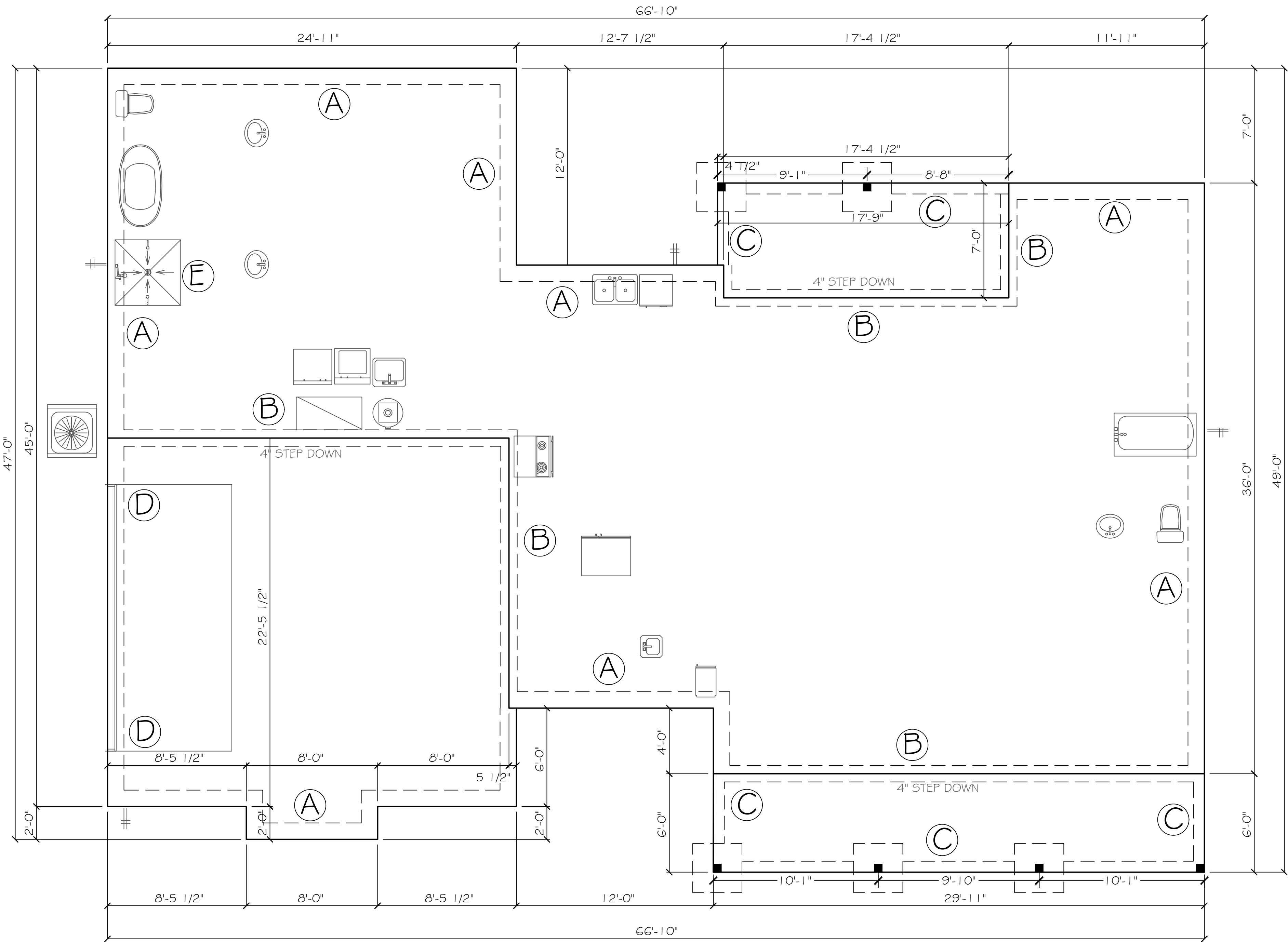


DESIGN SPECIFICATIONS

- 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 ±

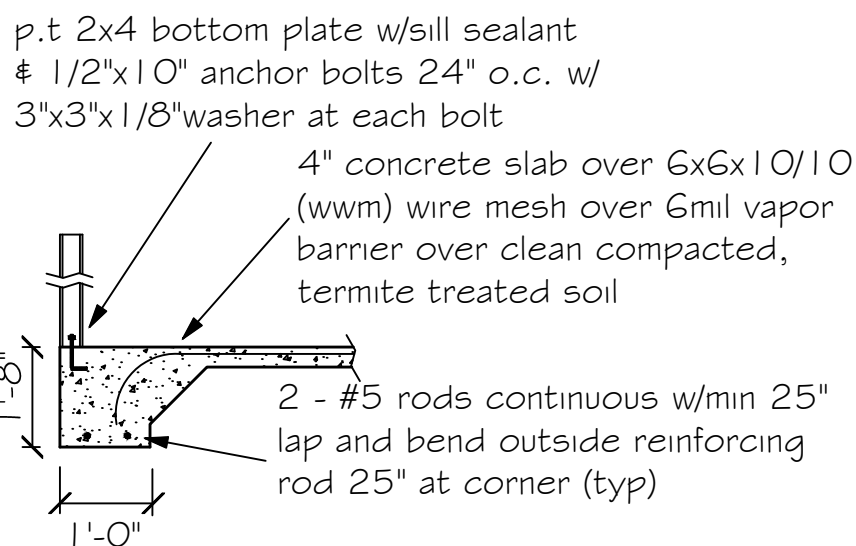
FOUNDATION NOTES

- 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 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.

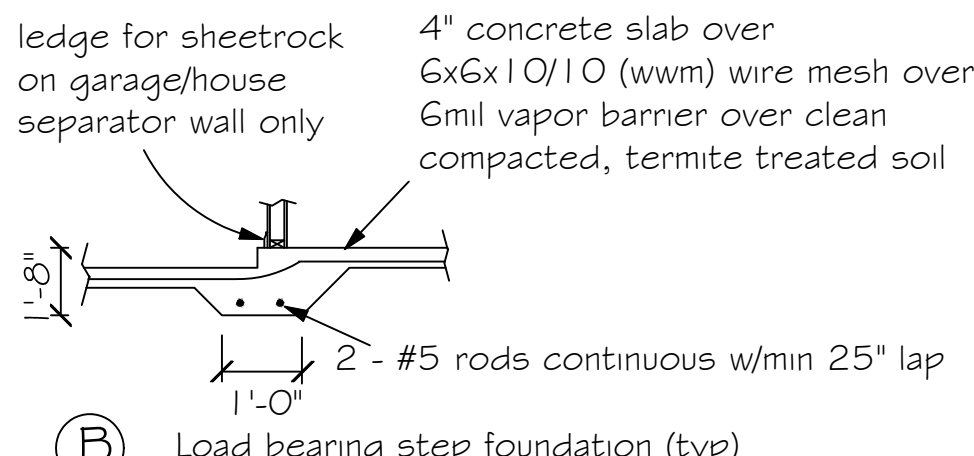


FOUNDATION PLAN

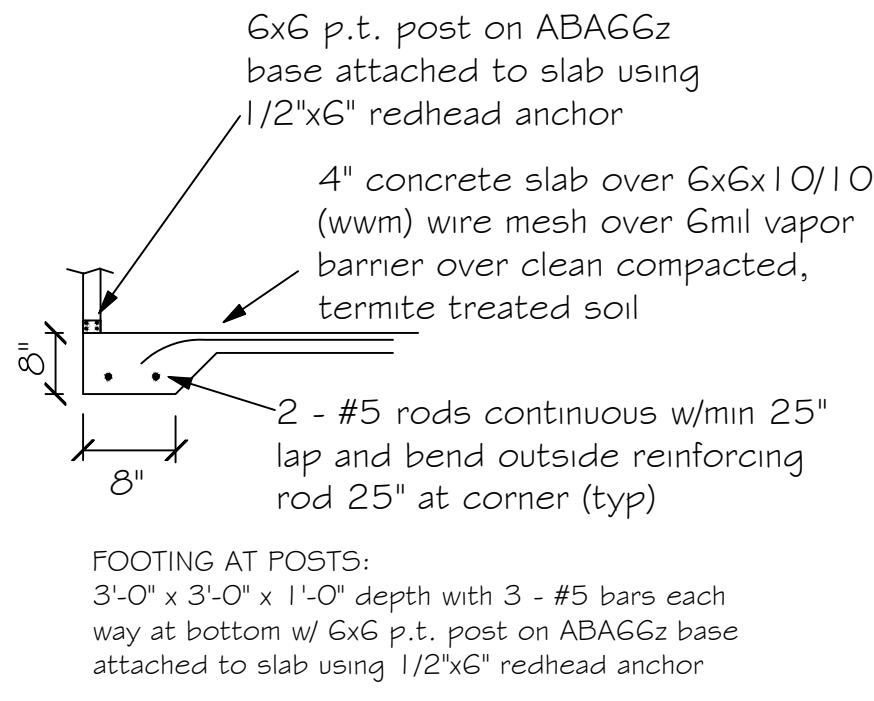
SCALE: 1/4" = 1'



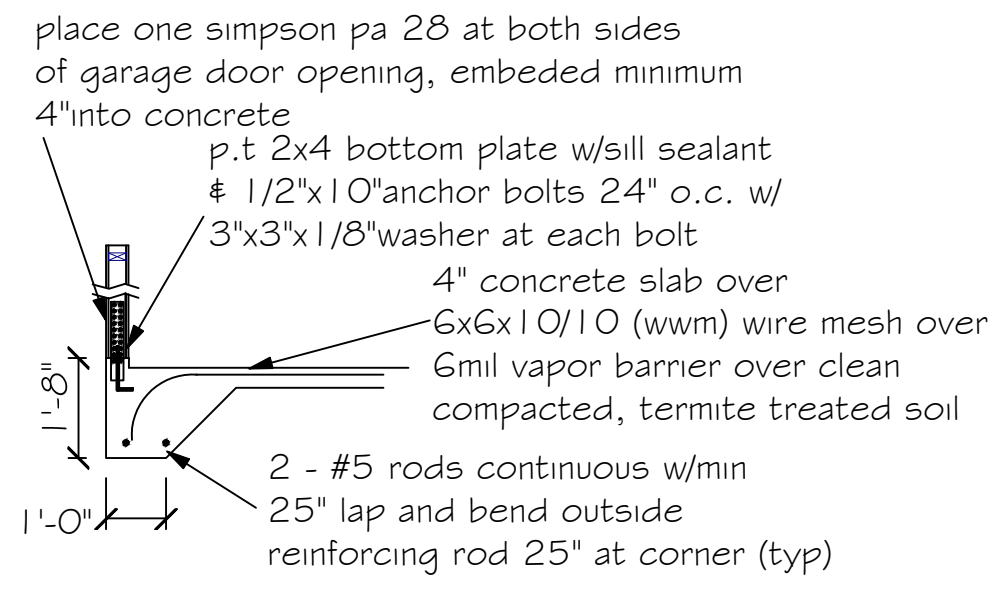
A Monolithic slab detail



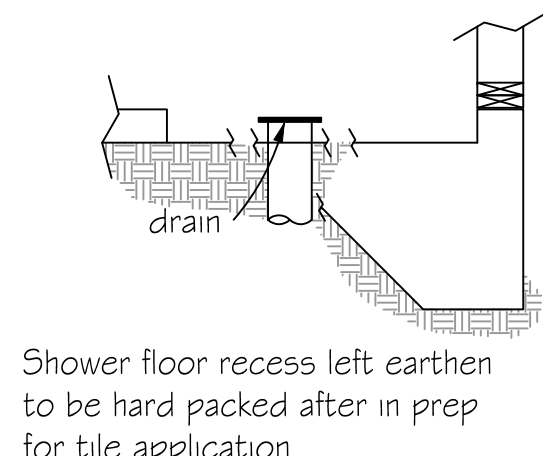
B Load bearing step foundation (typ)



C Monolithic slab detail at porch/carport



D Monolithic slab detail at garage



E Recessed Shower Detail

Digitally signed by Carol Chadwick
DN: c=US,
o=Florida,
ou=Qualifier-A0141
0D0000018D46384
E7500032FEE,
cn=Carol Chadwick
Date: 2024.06.04
17:47:59 -0400

CAROL CHADWICK, P.E. Professional Engineer No. 12580 Exp. 12/31/2026 FLORIDA	
REGISTERED FOR HAPPY HOME CONSTRUCTION 15000 N. US HWY 1 APT. 100 FORT LAUDERDALE, FL 33308 arew@happyhomes-construction.com	
THE CYPRESS - MODEL A FOUNDATION PLAN	
DATE: 06/04/2024 REVISION DATE: 06/04/2024 REVISION: 1	SCALE: 1/4" = 1'

SOFIT TABLE VENT SPEEDS

Double 5" perforated soffit has 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 5.067 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 4.70 sq. inches/sq. foot rating

Recessed 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

20 yr. fiberglass shingle over
30# felt over 7/16" O.S.B.
nailed 4" o.c. on edge and 6"
o.c. in field as per condition 2

simpson h2.5T at each truss or
as required by truss designer or
Simpson SDWC Truss screw

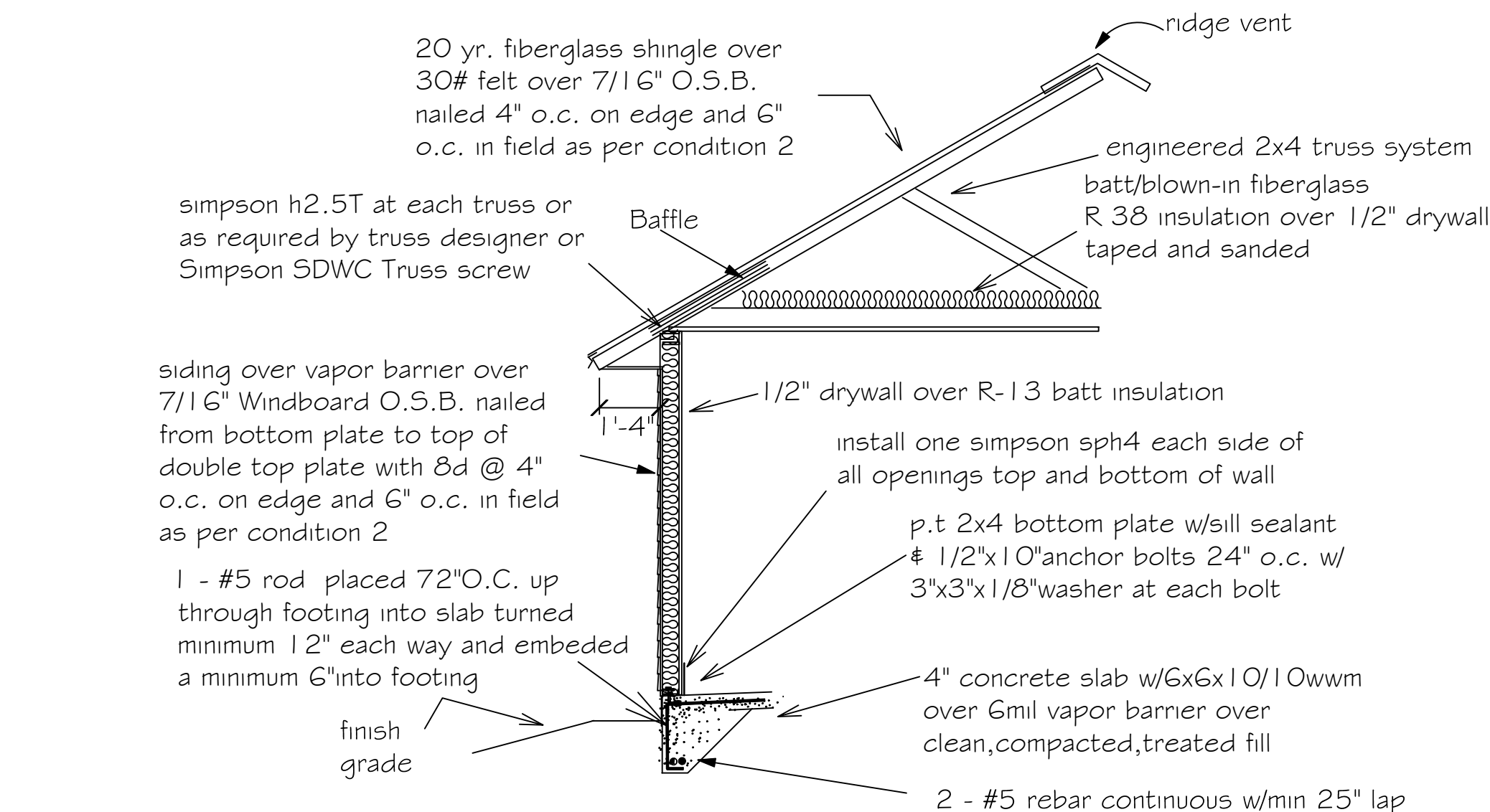
siding over vapor barrier over
7/16" Windboard O.S.B. nailed
from bottom plate to top of
double top plate with 8d @ 4"
o.c. on edge and 6" o.c. in field
as per condition 2

1 - #5 rod placed 72" O.C. up through footing into slab turned minimum 12" each way and embedded a minimum 6" into footing

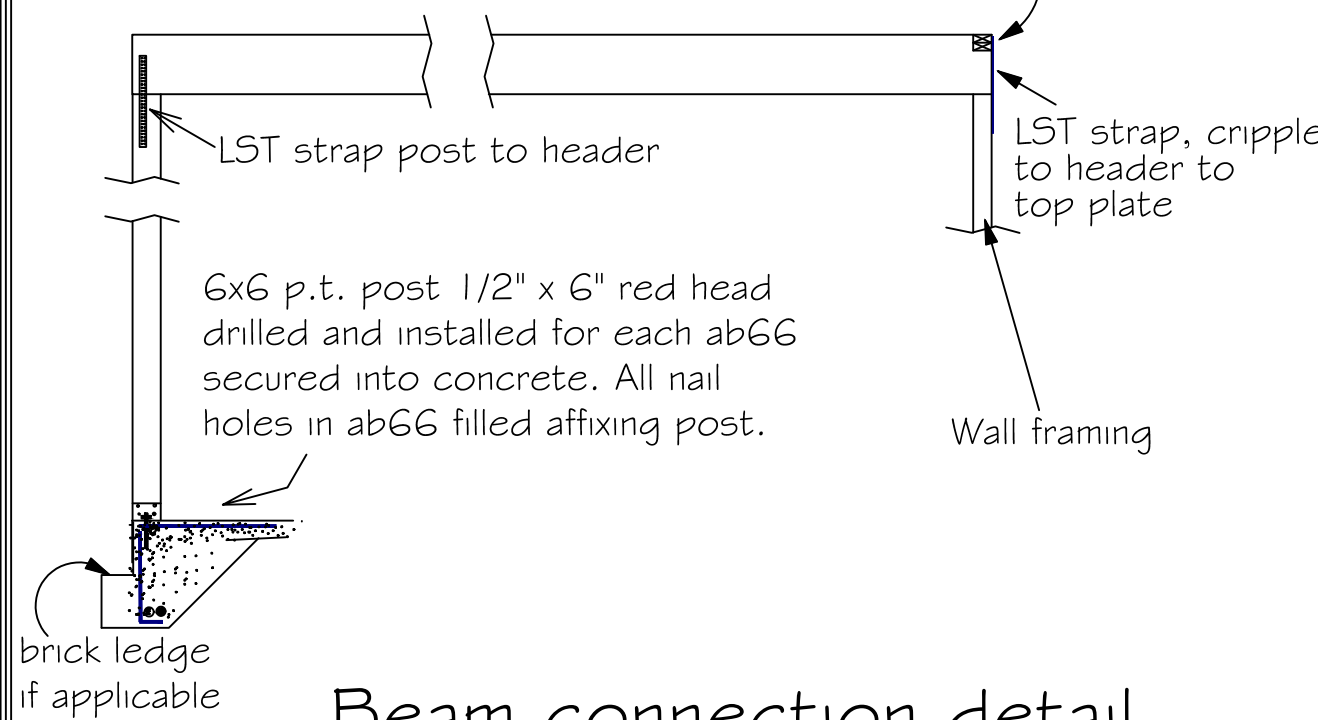
finish
grade

$$(\text{"AA"})$$

Windboard wall detail

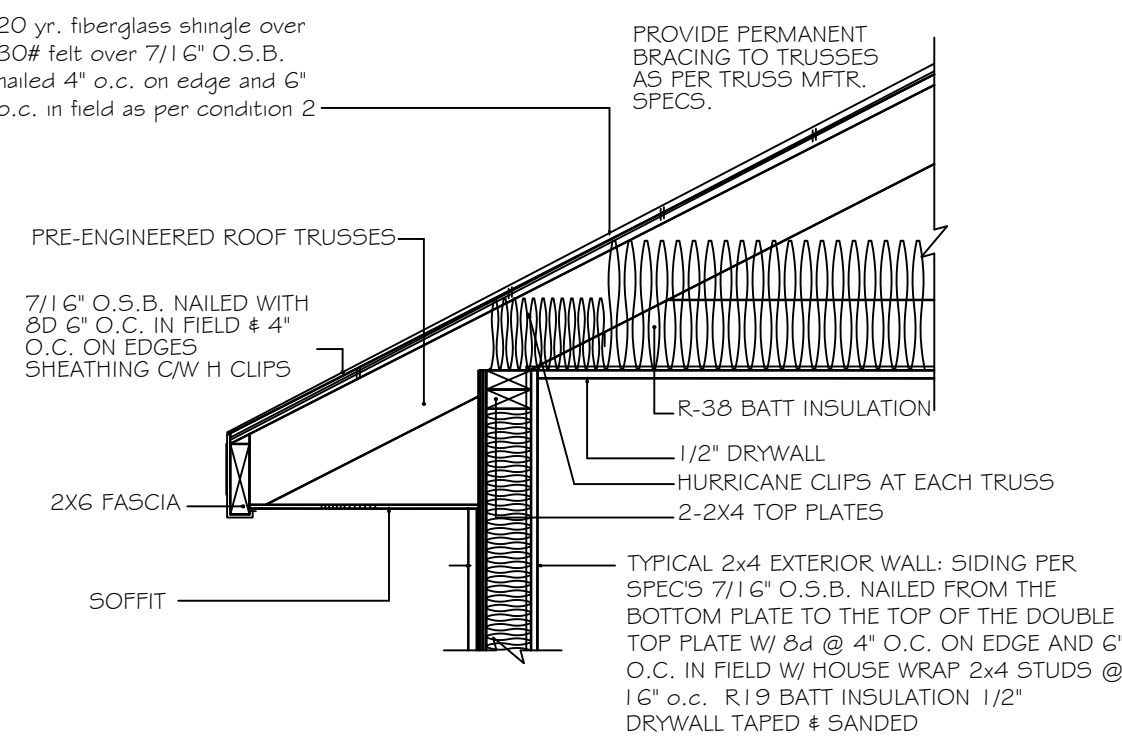


Double 2" x 12" beam used without support posts for a maximum of 10' otherwise LVL must be used notched under double top plate with framing members under each beam. Fastened with 12d nails to top plate and framing members underneath.

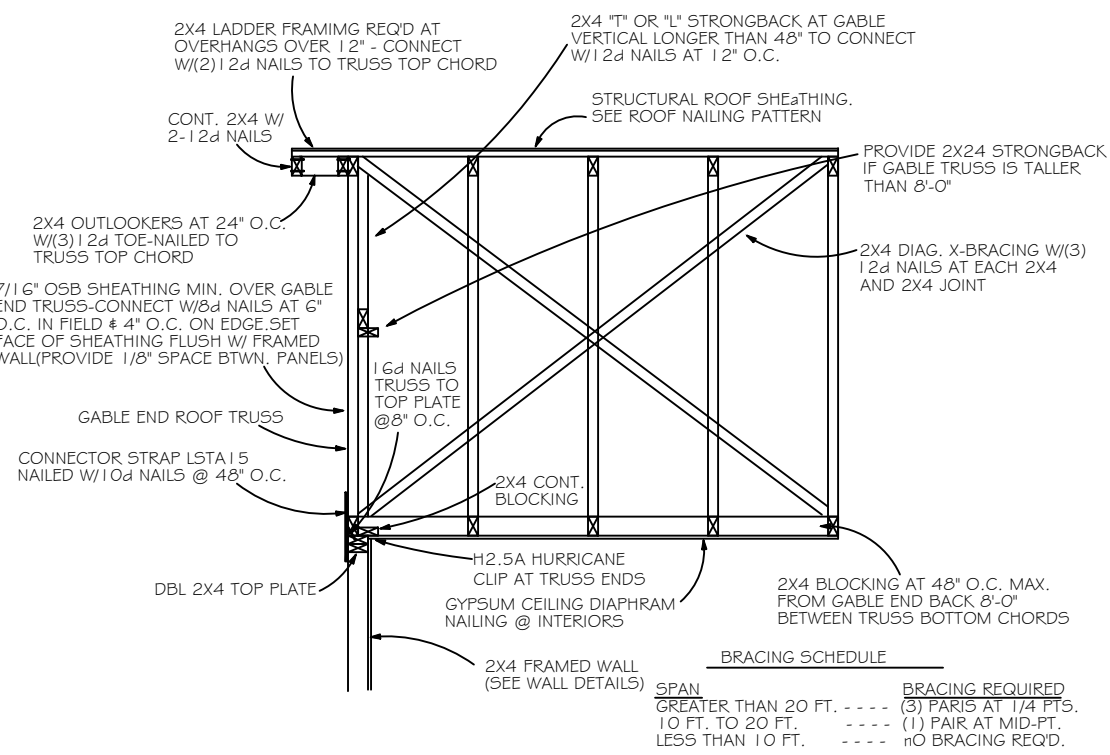


Beam connection detail

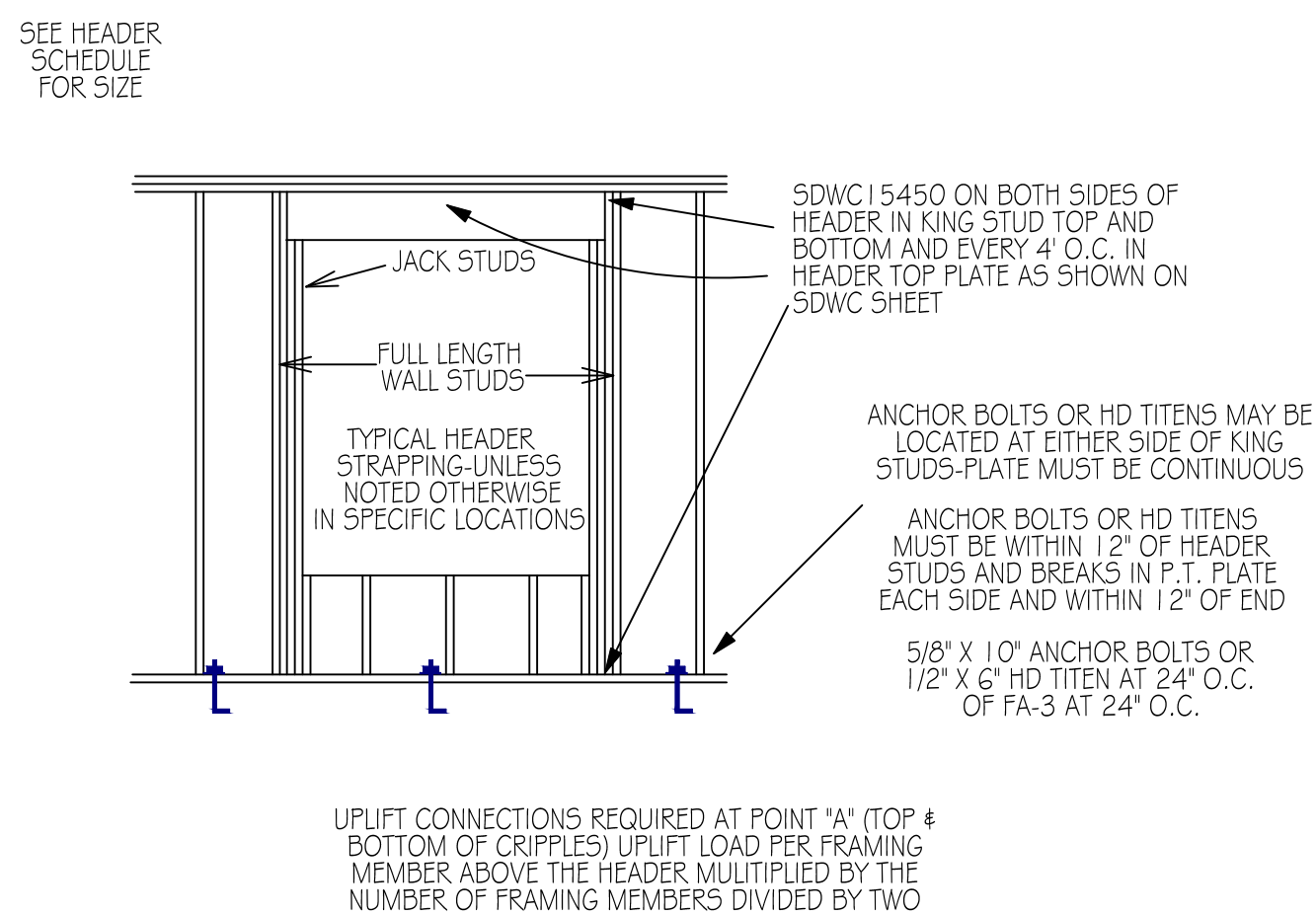
Double 1 3/4" x 11-1/4" LVL beam over opening up to 12'
Double 1 3/4" x 11-7/8" LVL beam over opening over 12' and up to 14'
Double 1 3/4" x 14" LVL beam over opening over 14' and up to 16' with 3 king
studs each end and 2 trimmers each end of beam. Fastened with 12d nails to
top plate and framing members. One PA28 at both sides of opening embedded
min 4" into concrete. LST18 strap over trimmer to header each side.



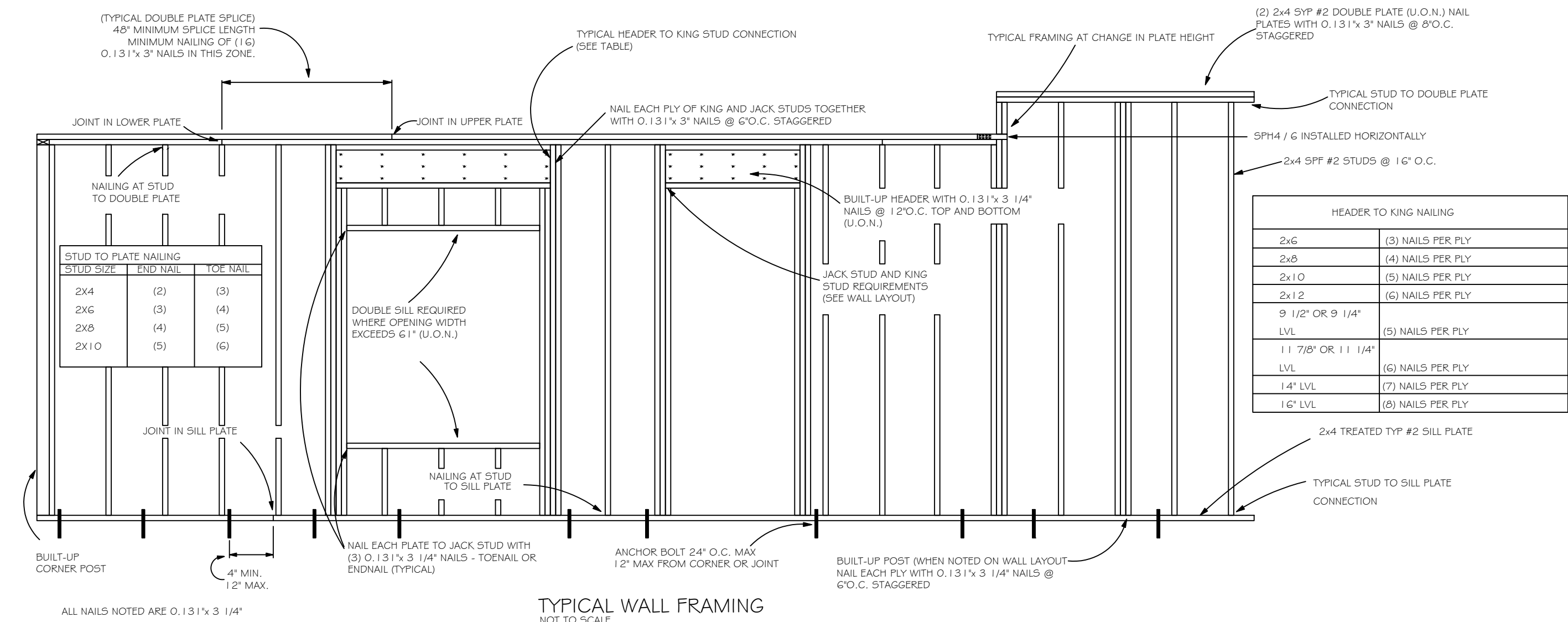
4" STUD EAVE



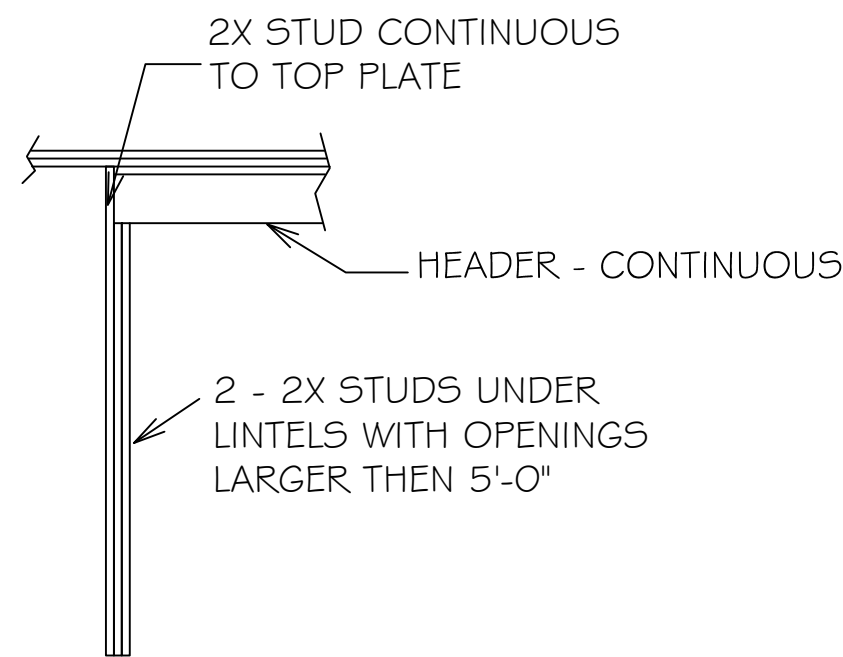
GABLE END BRACING
NOT TO SCALE



SDWC HEADER STRAPPING (TYPICAL)



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

MAXIMUM HEADER SPAN					
3'	6'	9'	12'	15'	18'

NUMBER OF HEADER STUDS
SUPPORTING END OF HEADER

1	1	2	2	2	2
---	---	---	---	---	---

NUMBER OF FULL LENGTH
STUDS AT END OF HEADER

2

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

Digitally signed by
Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A0141
0D0000018D463B4
E7500032FEE,
cn=Carol Chadwick
Date: 2024.06.04
17:47:40 -04'00'

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