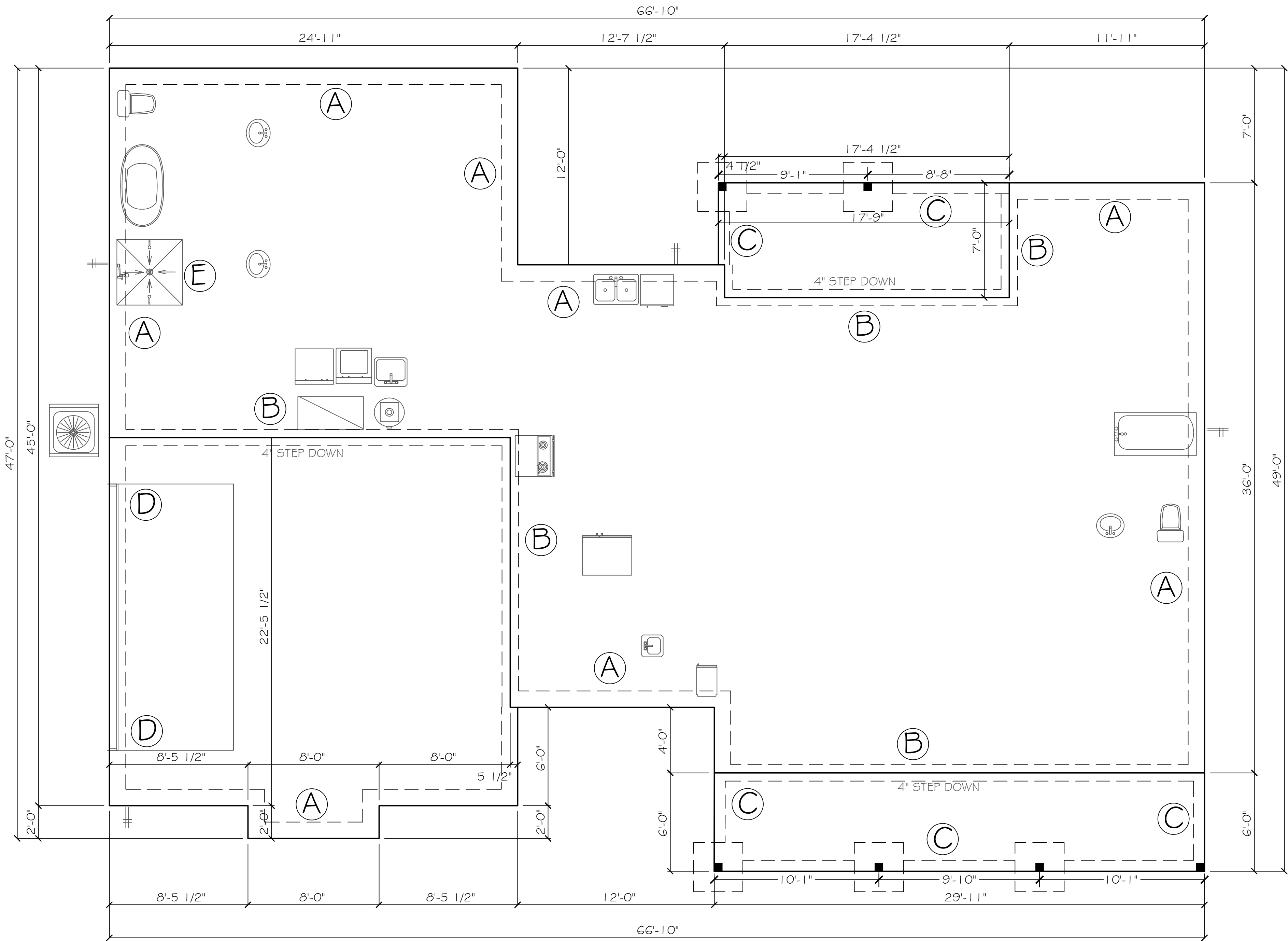


DESIGN SPECIFICATIONS

- 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 ±

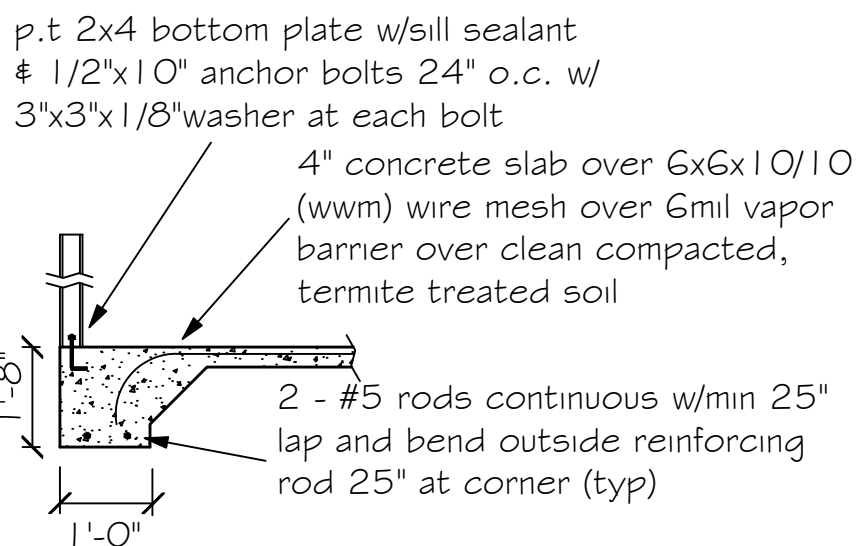
FOUNDATION NOTES

- 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.

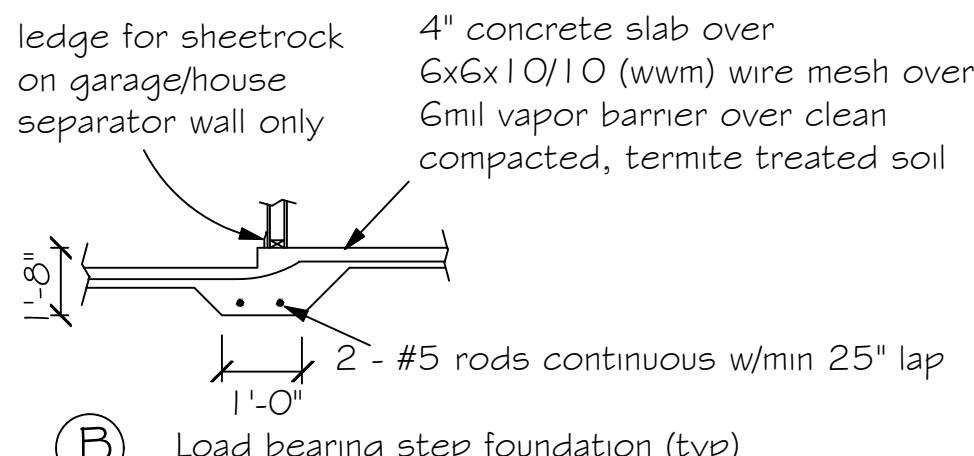


FOUNDATION PLAN

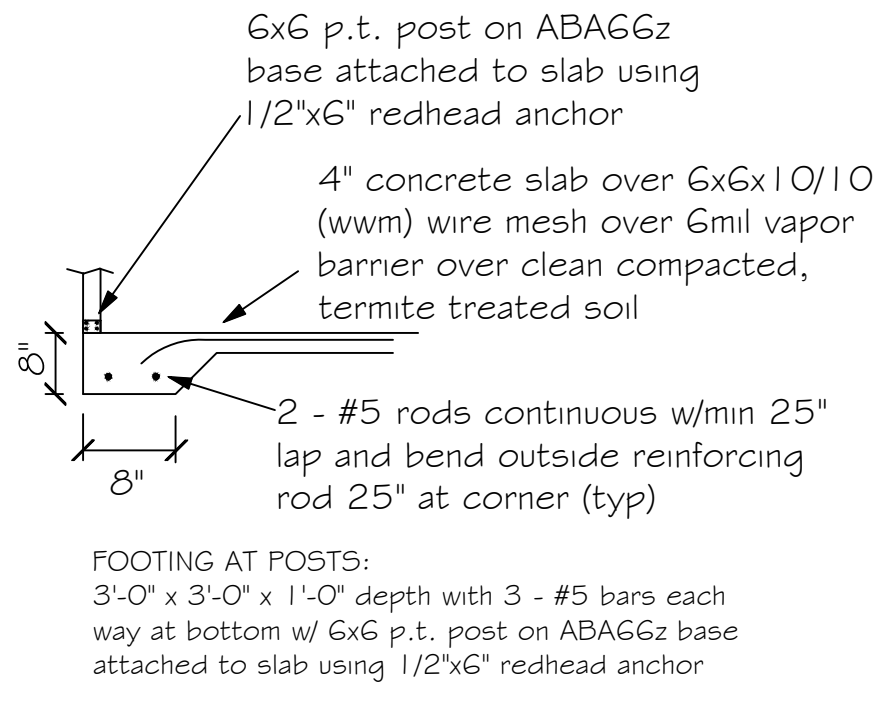
SCALE: 1/4" = 1'



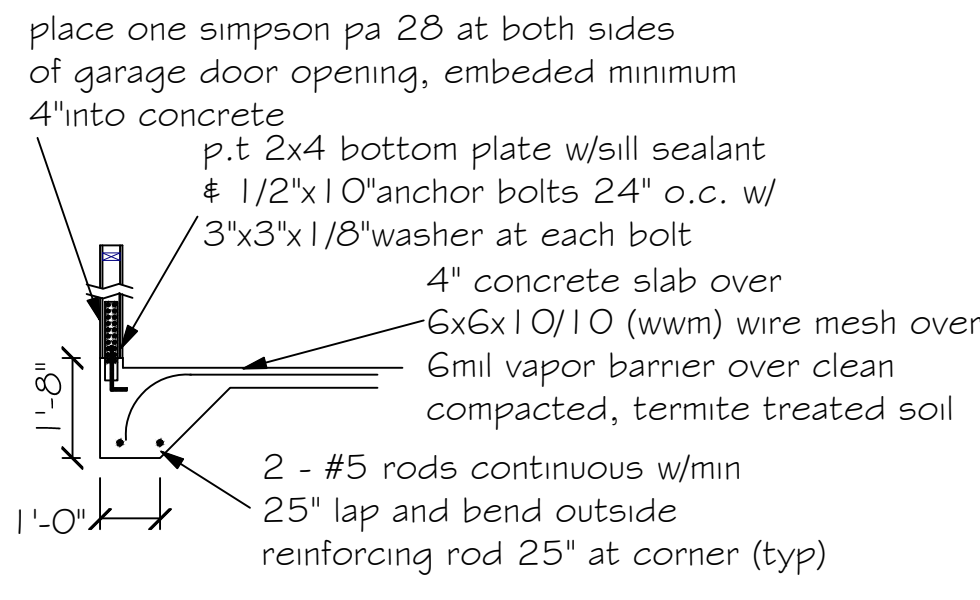
A Monolithic slab detail



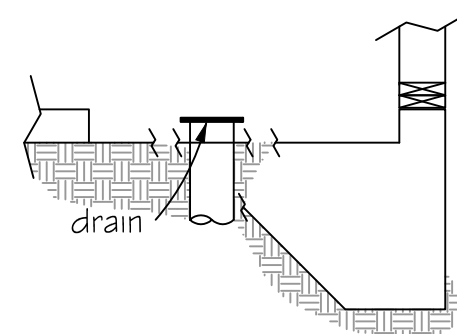
B Load bearing step foundation (typ)



C Monolithic slab detail at porch/carport



D Monolithic slab detail at garage



Shower floor recess left earthen to be hard packed after in prep for tile application

E Recessed Shower Detail

Digitally signed by Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A014
1000000180463
B4E7500032FEE,
cn=Carol
Chadwick
Date: 2024.09.05
09:15:04 -0400

THE CYPRESS - MODEL A
FOUNDATION PLAN
1235 SW UPCHURCH AVENUE, LAKE CITY, FL

DATE: 09/05/2024
DRAWN BY: H24429
CHECKED BY: H24429
REVISION: 01

REVISIONS
NO. DESCRIPTION
DATE BY
1 09/05/2024 H24429
2 09/05/2024 H24429

DESIGNED FOR
HAPPY HOME CONSTRUCTION
1235 SW UPCHURCH AVENUE
LAKE CITY, FL 33607
arew@happyhomes-construction.com

REVISIONS
NO. DESCRIPTION
DATE BY
1 09/05/2024 H24429
2 09/05/2024 H24429

DESIGNED BY
CAROL CHADWICK
P.E.
FLORIDA
1000000180463
B4E7500032FEE

ROOF VENT CALCULATION

FORMULA

1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING
144 SQUARE INCHES = 1 SQUARE FOOT
BUILDING CEILING (SQ 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 FBC SECTION R803.2.406 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 - 2" 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 9' FROM
PROPERTY LINE

AREA (SQ FT)	REQUIRED VENTS	PROVIDED VENTS	REQUIRED (SQ IN)	PROVIDED (SQ IN)	LOW (SQ IN)
	TIGHT	LOW		LINEAL FT	

SOFFIT TABLE VENT SPECS									
Double 5" perforated soffits have a 6.20 sq. inches/bay, foot rating Triple 4" center vent soffits has a 1.956 sq. inches/bay, foot rating Triple 4" full vent soffits has a 5.667 sq. inches/bay, foot rating Triple 4" basketweave full vent has a 14.34 sq. inches/bay, foot rating Triple 4" center vent has a 4.79 sq. inches/bay, foot rating Beaded hidden vent soffits has 2.66 sq. inches/bay, foot rating Triple 3-1/2" hidden vent soffits has a 9.19 sq. inches/bay, 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.

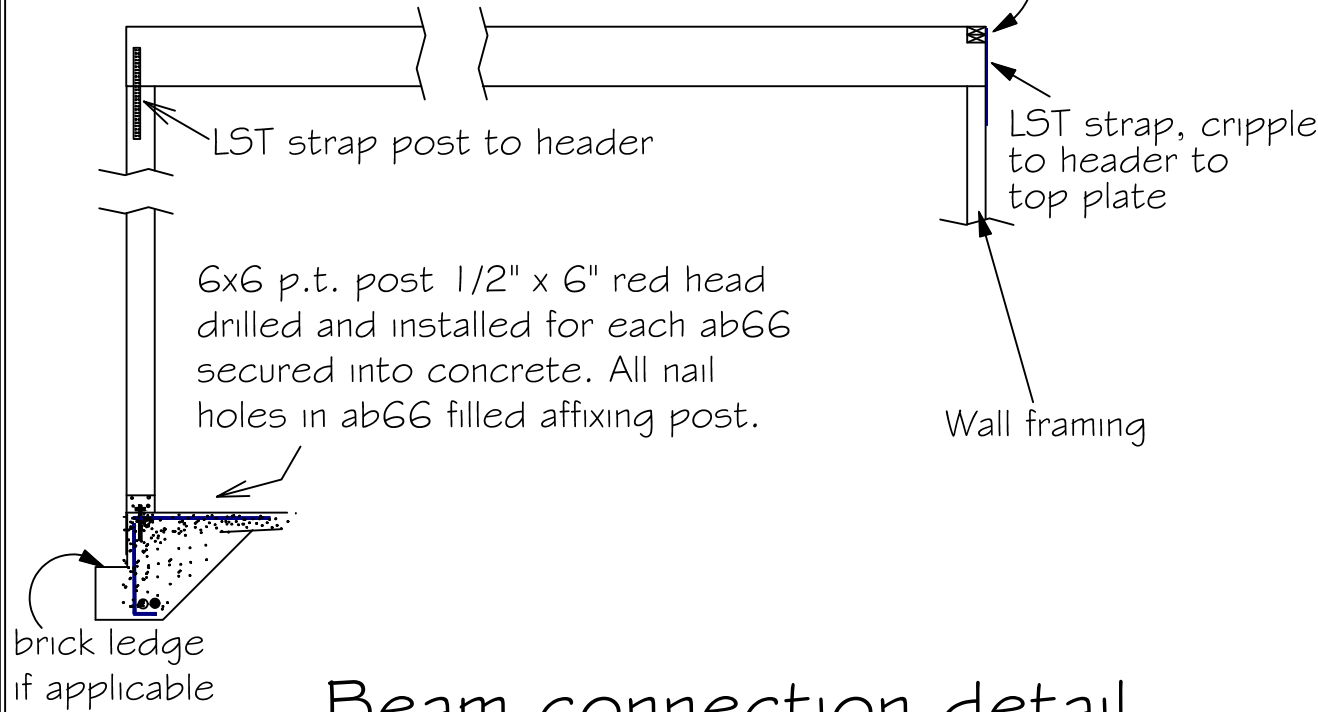
ROOF SHEATHING FASTENING

- 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

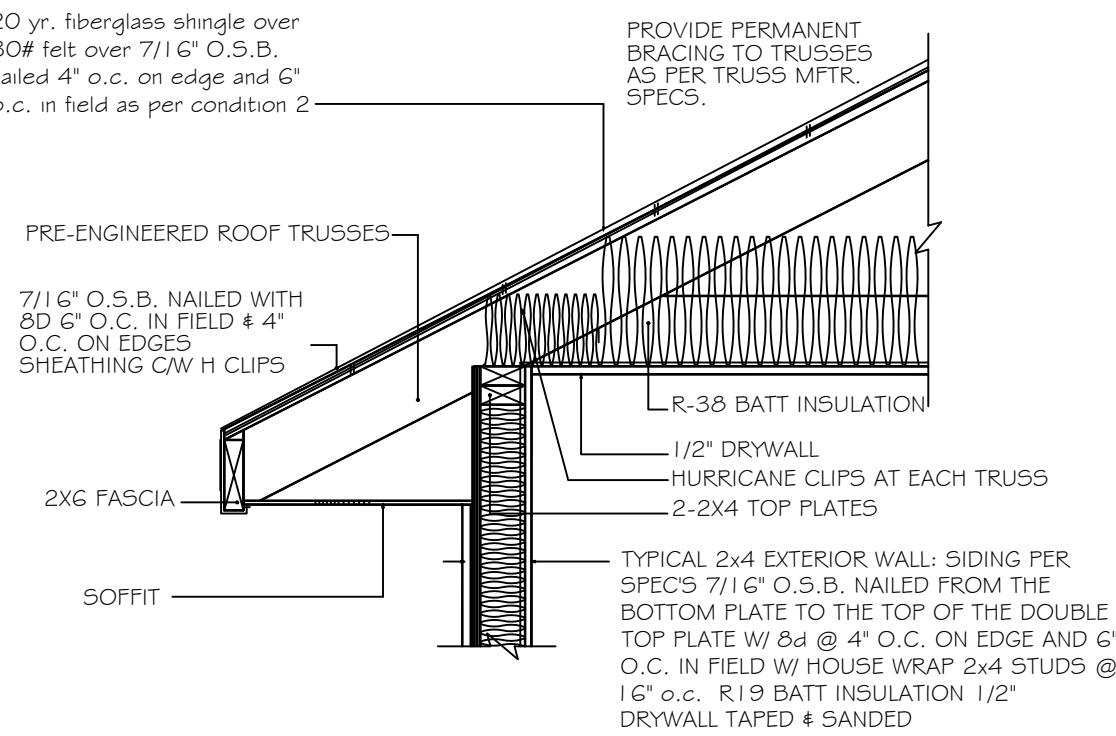
ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED
OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIPS AND RIDGES
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK
WHEN SHINGLES NOT INSTALLED SAME DAY
DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE
UNDERLAYMENT AT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

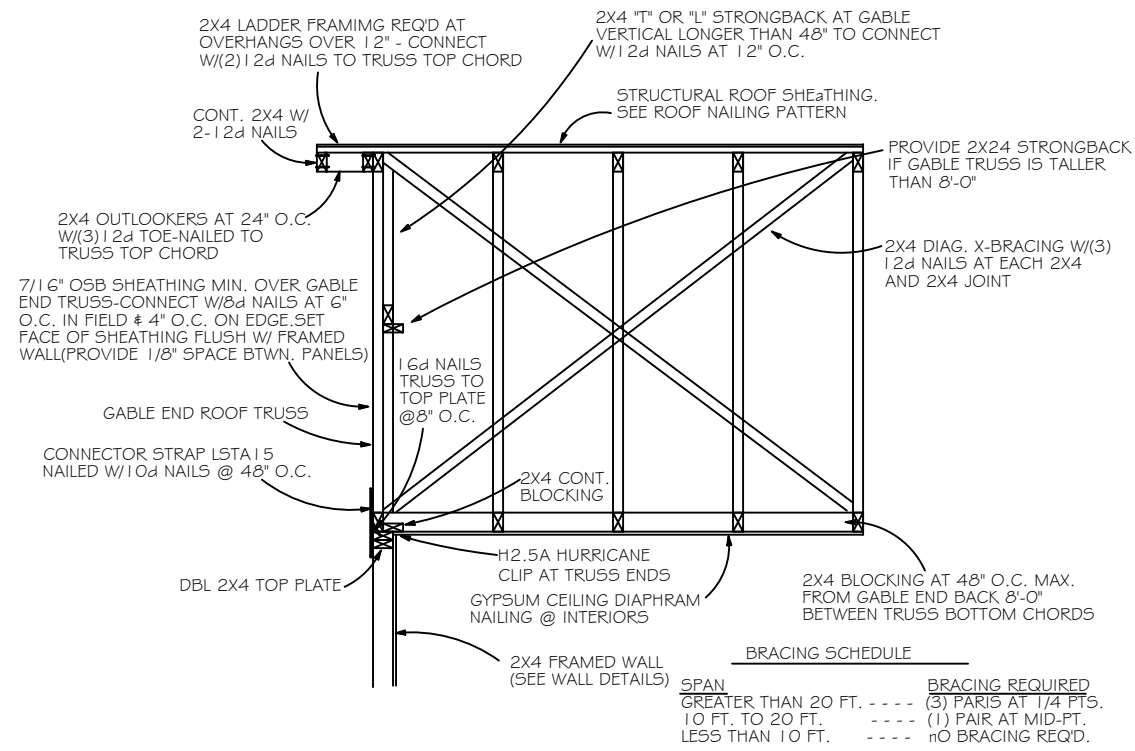


Beam connection detail

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.

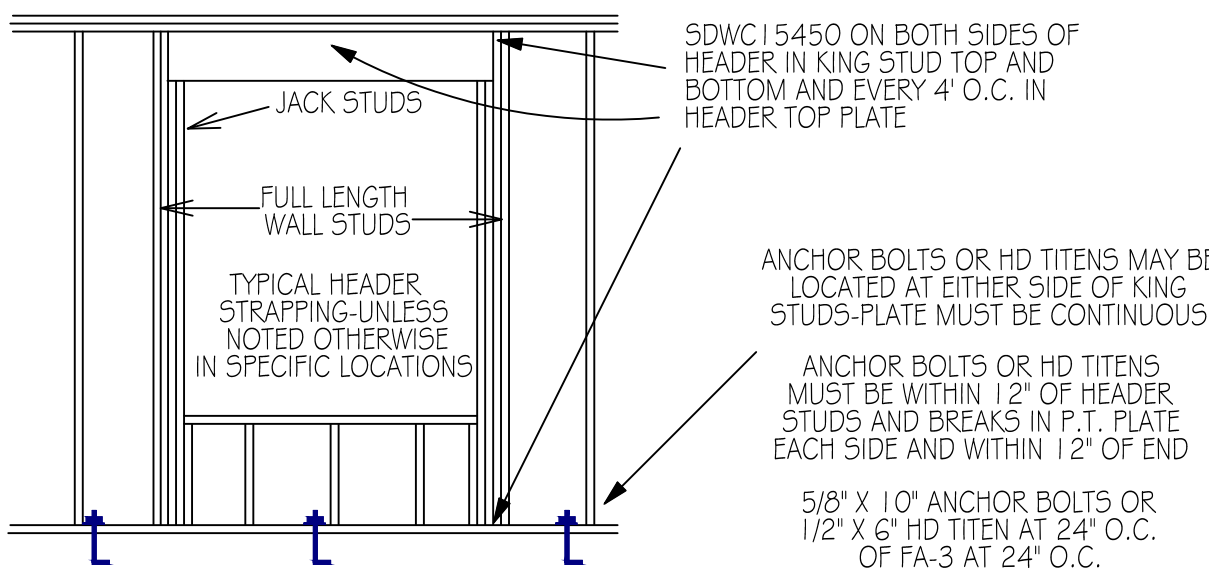


4" STUD EAVE

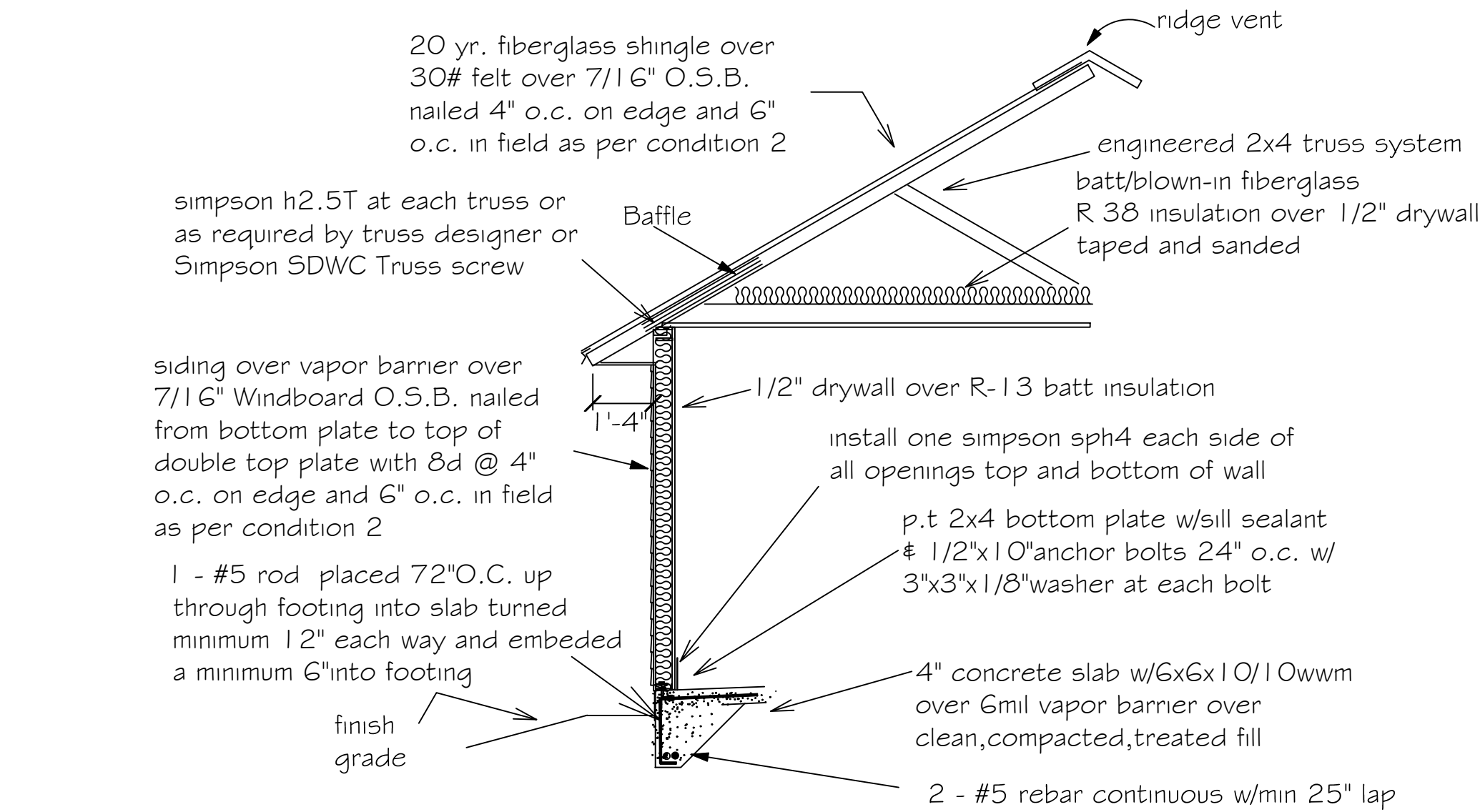


GABLE END BRACING
NOT TO SCALE

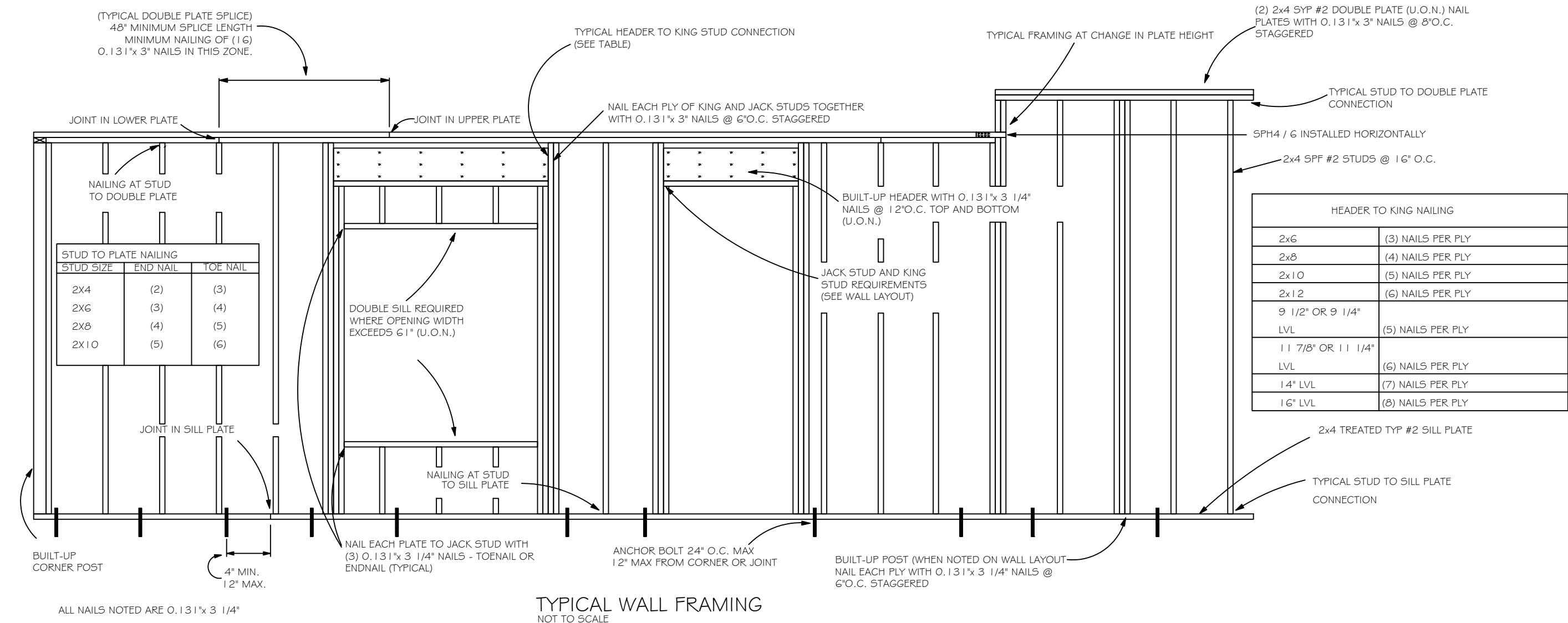
SEE HEADER
SCHEDULE
FOR SIZE



SDWC HEADER STRAPPING (TYPICAL)

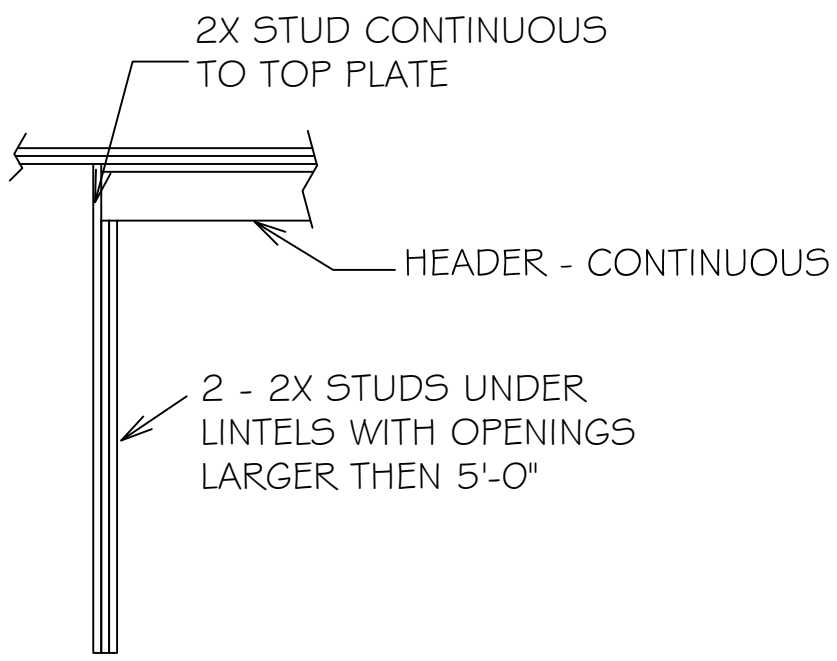


"AA" Windboard wall detail



TYPICAL WALL FRAMING
NOT TO SCALE

HEADER SCHEDULE



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 12's	2 - 2 x 10's

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

Digitally signed by
Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A01410
D0000018D46384E
7500032FE,
cn=Carol Chadwick
Date: 2024.09.05
09:15:30 -0400



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
REGISTERED PROFESSIONAL ENGINEER
FLORIDA
No. 15220
EXPIRATION DATE 12/31/2026
RENEWAL DATE 12/31/2026
SEAL

THE CYPRESS - MODEL A
FRAMING DETAILS
1235 SW UPCHURCH AVENUE, LAKE CITY, FL
REVISED FOR
HAPPY HOME CONSTRUCTION
1235 SW UPCHURCH AVENUE, LAKE CITY, FL 32809
arew@happyhomes-construction.com
DATE: 2024.09.05
BY: 5.2