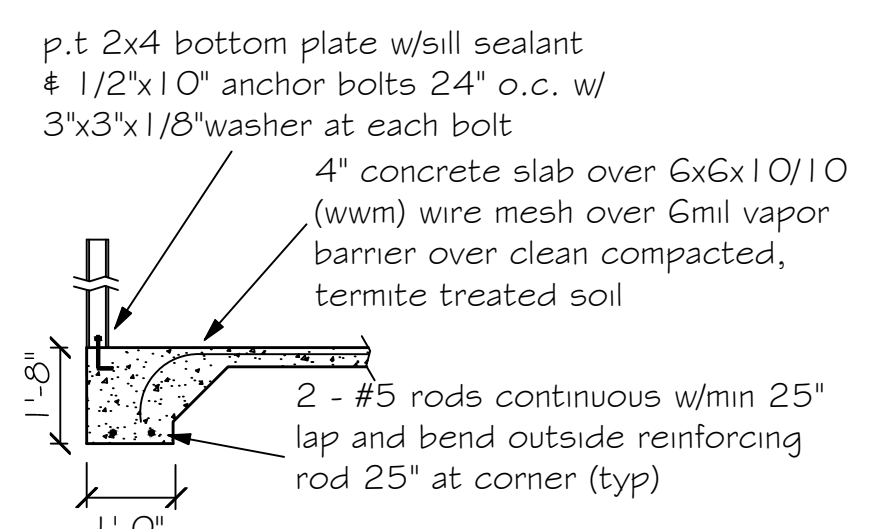
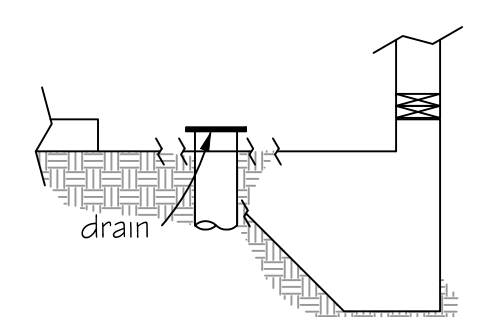


DESIGN SPECIFICATIONS

- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL, 8TH EDITION
- 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 CG_{pl} ±



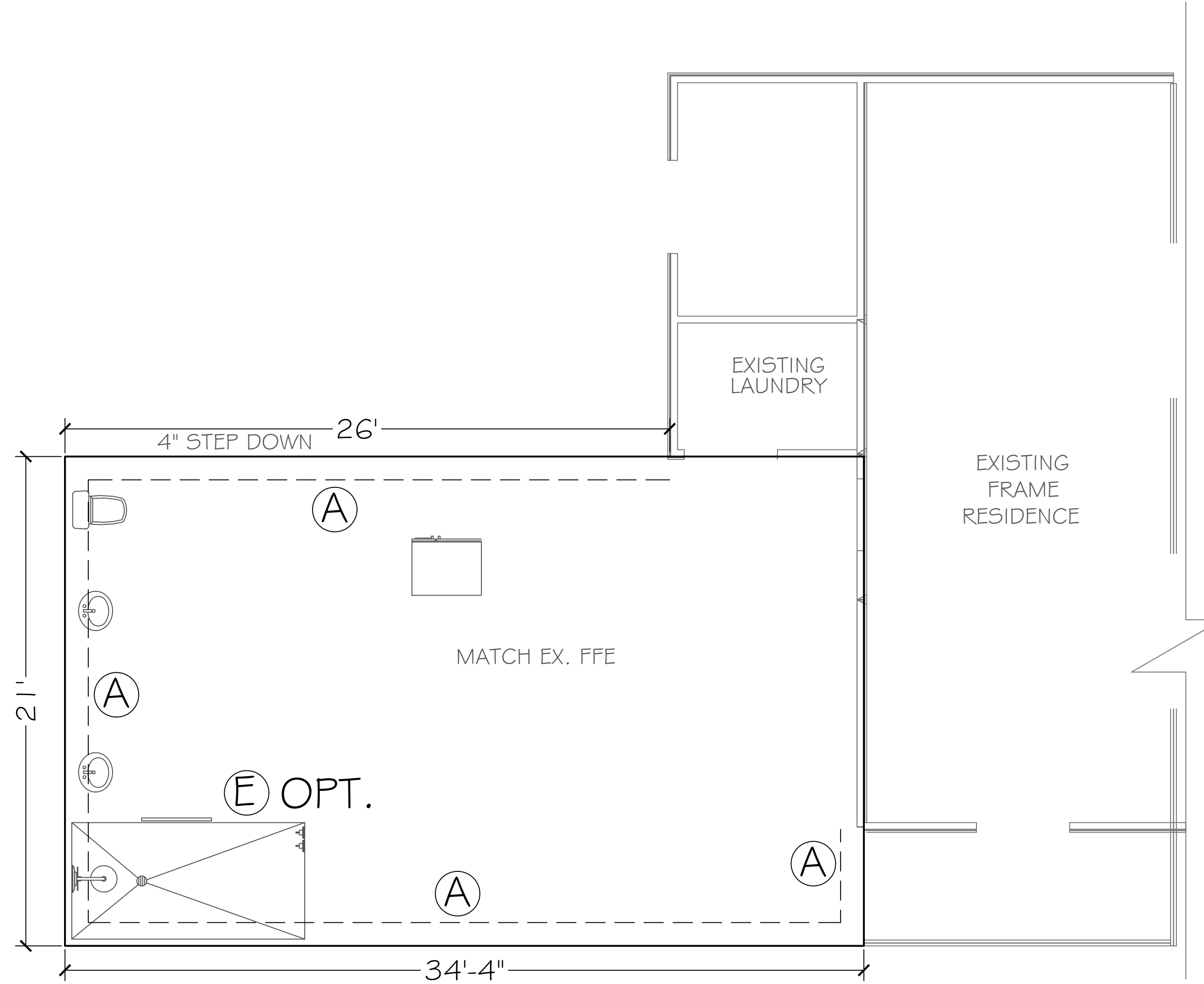
(A) Monolithic slab detail



(E) Recessed Shower Detail

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.



FOUNDATION PLAN
SCALE: 1/4" = 1'

HARRELL ADDITION
 FOUNDATION PLAN
 1402 SW TOMMY LITES STREET, FORT WHITE, FL

PREPARED FOR: RESIDENTIAL CONSTRUCTION
 2330 ZC BAWN DR. STE. 101
 FORT WORTH, TX 76104
 CONTACT: LESLIE MCGONNEL

DATE: 03/18/2024
 SHEET: 5-1

Digitally signed
 by Carol
 Chadwick
 DN: c=US,
 o=Florida,
 dnQualifier=A01
 410D0000018D4
 63B4E7500032FE
 E, cn=Carol
 Chadwick
 Date: 2024.03.18
 14:00:30 -04'00'

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

ROOF VENT CALCULATION

FORMULA

1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING
 144 SQUARE INCHES = 1 SQUARE FOOT
 BUILDING CEILING (50 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 R403.2.408 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 DRY VENTS - STAMPCO W/ 36 SQ IN (IN/VA) PER LINEAL FT
 (b) SOFFIT VENTS - GP 13-1/2" 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)	LINEAL FT	LOW (SQ IN)

SOFFIT TABLE VENT SPECS

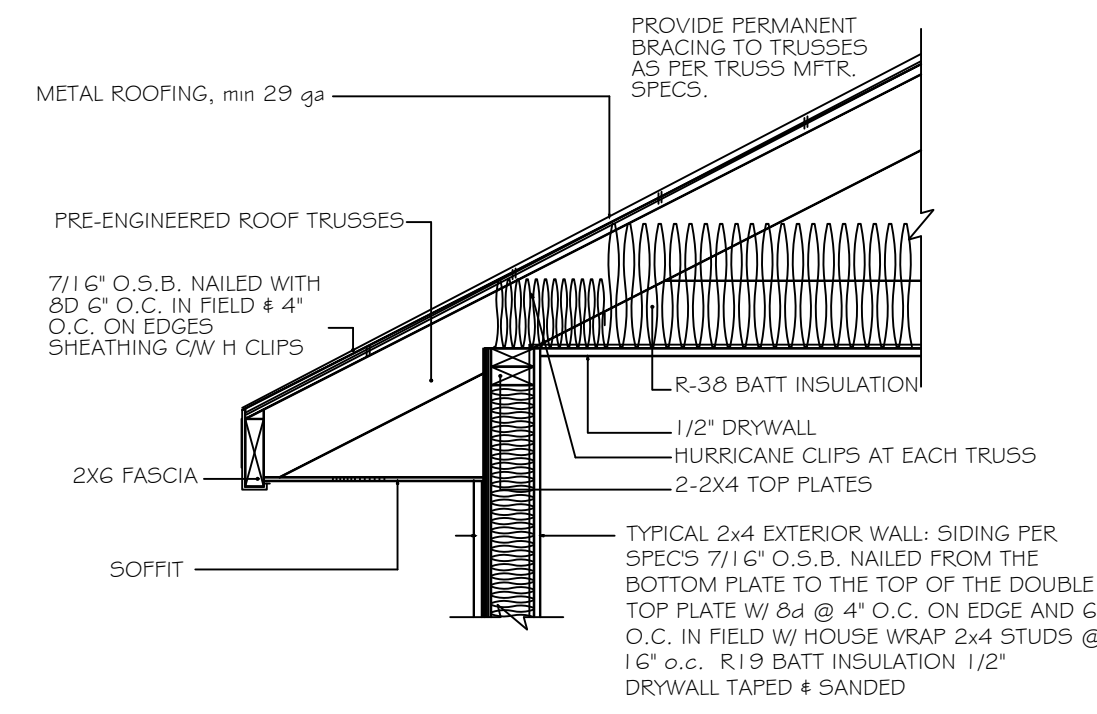
Double 5" perforated soffits have a 6.20 sq. inches/sq. foot rating
 Triple 4" center vent soffits has a 1.95 sq. inches/sq. foot rating
 Triple 4" full vent soffits has a 5.67 sq. inches/sq. foot rating
 Triple 4" basketweave full vent has a 14.34 sq. inches/sq. foot rating
 Triple 4" center vent has a 4.70 sq. inches/sq. foot rating
 Beaded hidden vent soffits has 2.66 sq. inches/sq. foot rating
 Triple 3-1/2" hidden vent soffits has a 9.19 sq. inches/sq. foot rating

ROOF SHEATHING FASTENING

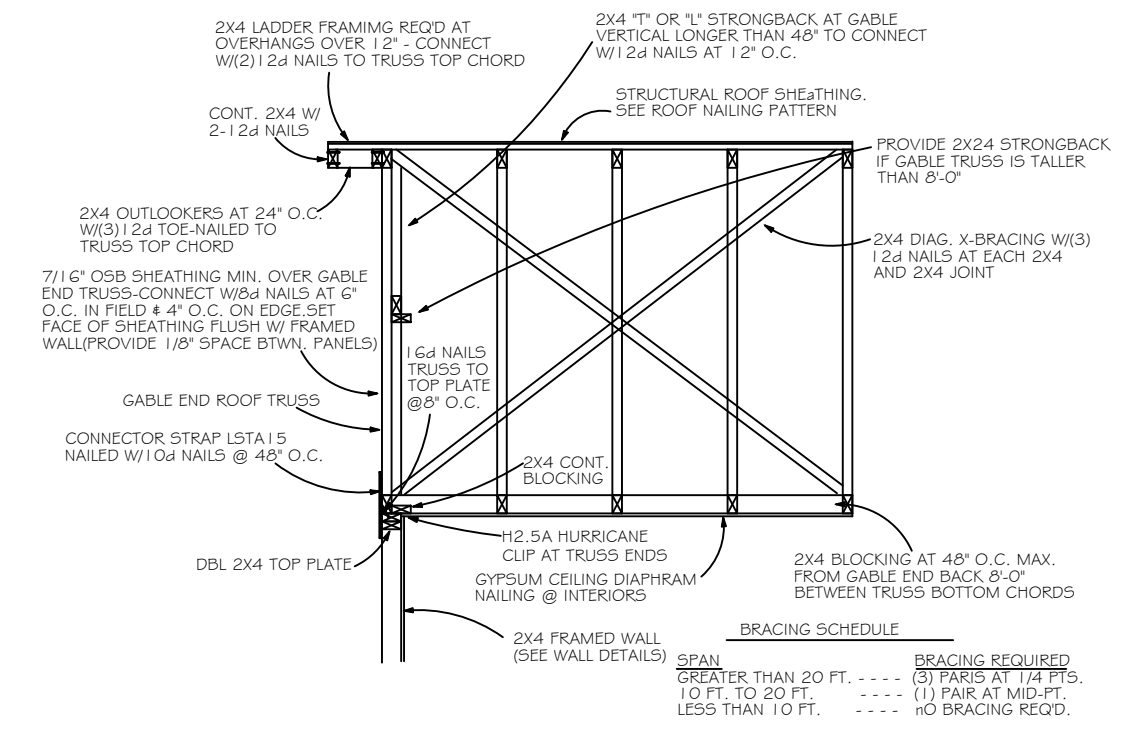
- 4" O.C. GABLE END
 - 6" O.C. EDGES (ALL ZONES)
 - 6" O.C. INTERMEDIATE FRAMING (ZONE 3)
 - 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)
- SEE FIGURE R403.2.3.1, SECTION R403.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

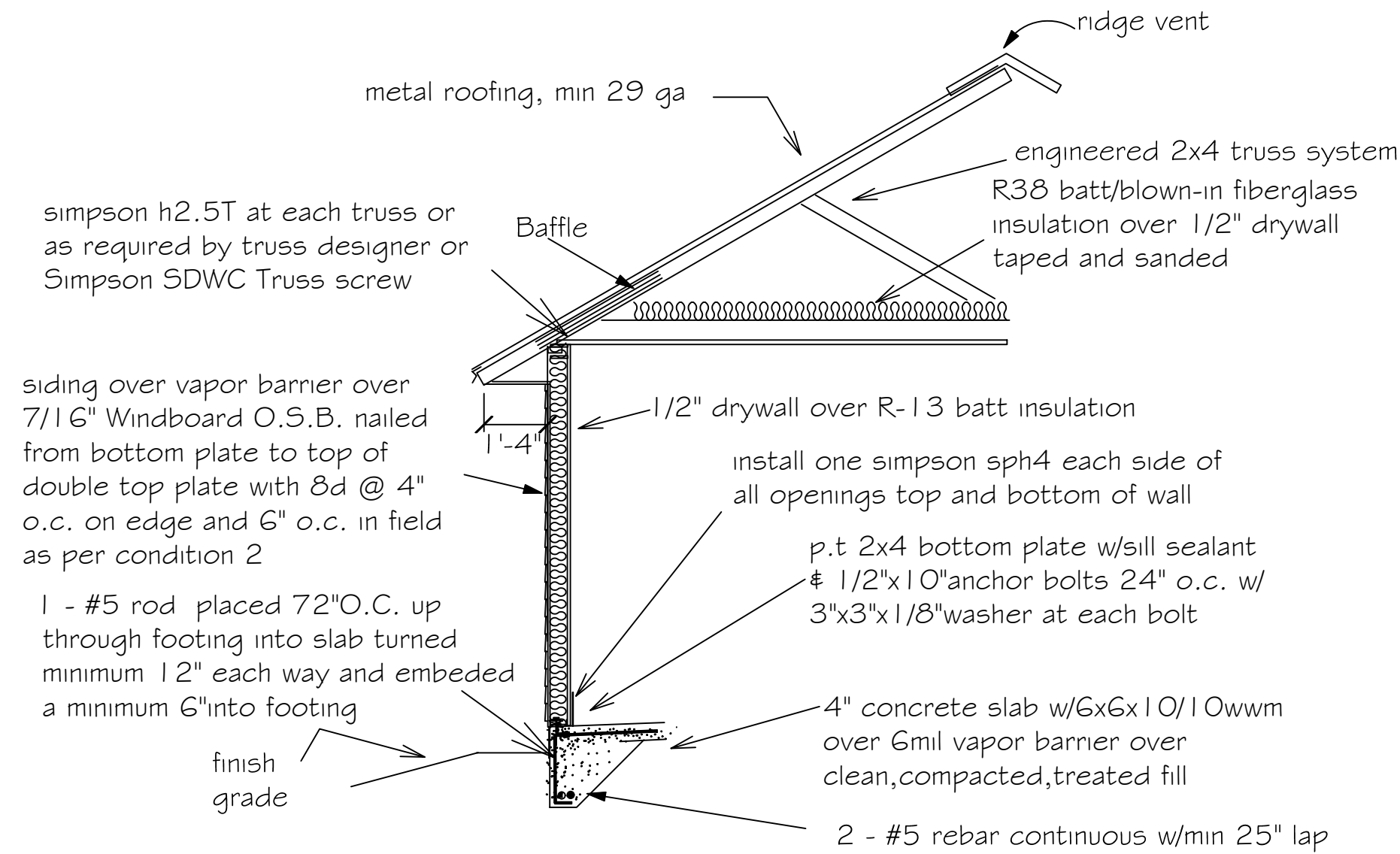
ROOF PITCH LESS THAN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED
 OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIPS AND RIDGES
 BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY
 DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT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



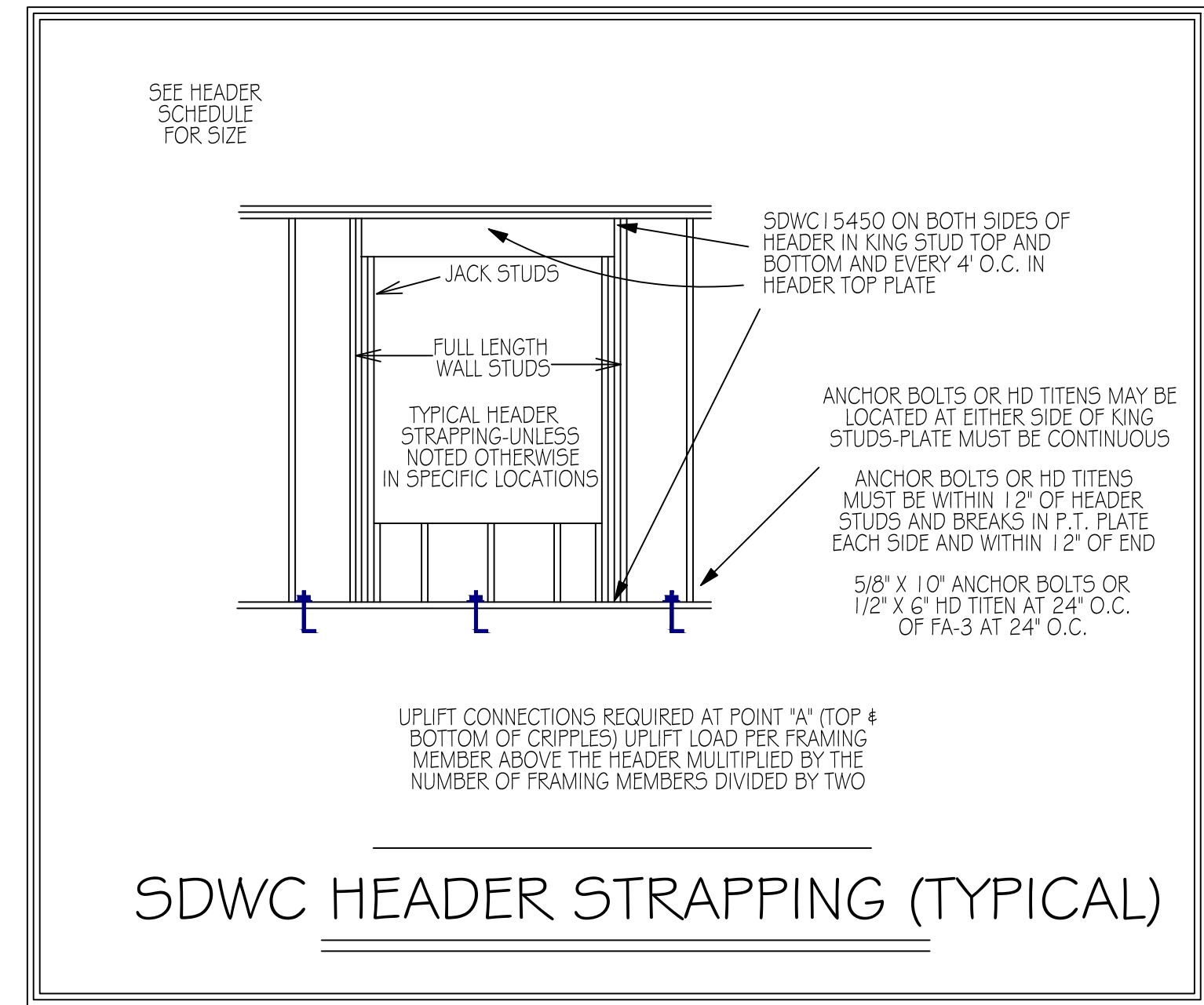
4" STUD EAVE



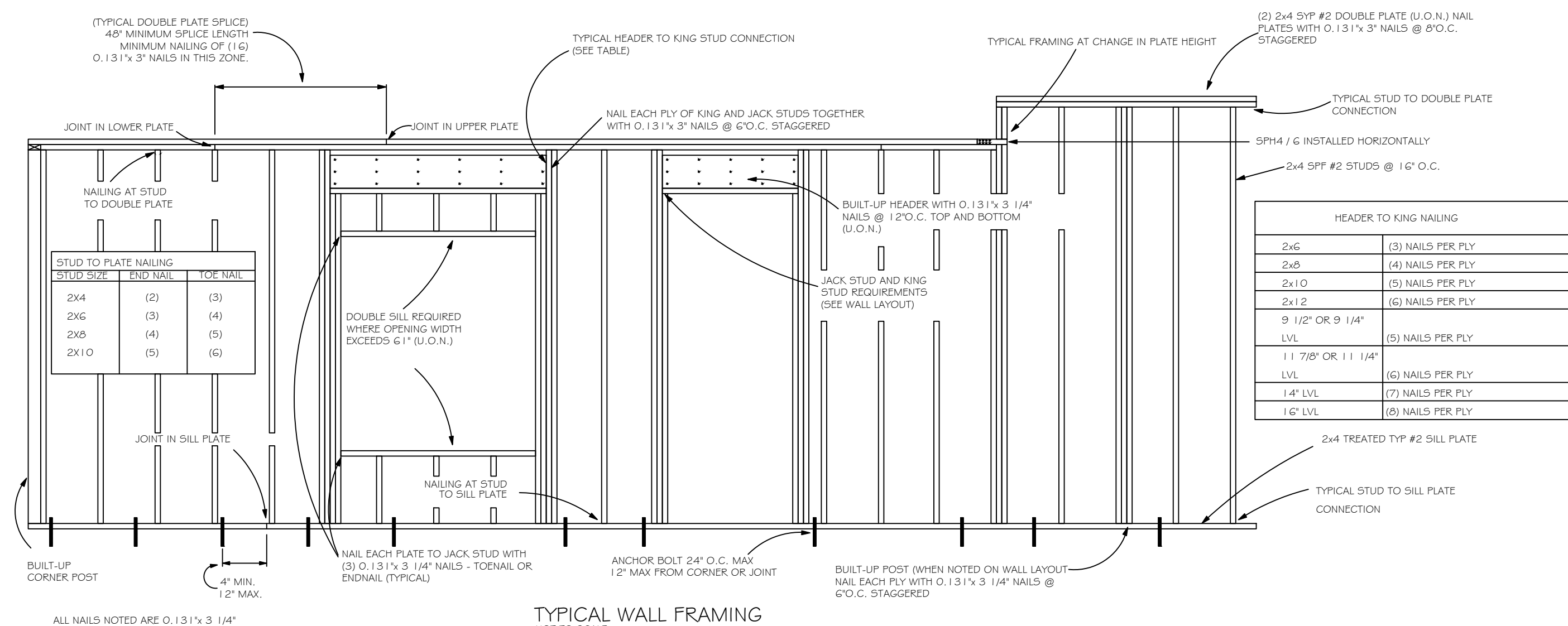
GABLE END BRACING NOT TO SCALE



"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'

NUMBER OF HEADER STUDS SUPPORTING END OF HEADER					
1	1	2	2	2	2

NUMBER OF FULL LENGTH STUDS AT END OF HEADER	
	2

PREPARED FOR: CONSTRUCTION

DRAWN BY: CAROL CHADWICK, P.E.

CHECKED BY: [Signature]

DATE: 03/18/2024

PROJECT: HARRELL ADDITION WALL & FRAMING DETAILS

1402 SW TOMMY LITES STREET, FORT WHITE, FL

SCALE: 1/2" = 1'-0"

DATE: 03/18/2024

FILE: 22-0000018D463

DATE: 03/18/2024

DATE: 03/18/2024

Digitally signed by Carol Chadwick, P.E., on the date 2024.03.18 14:00:54 -0400