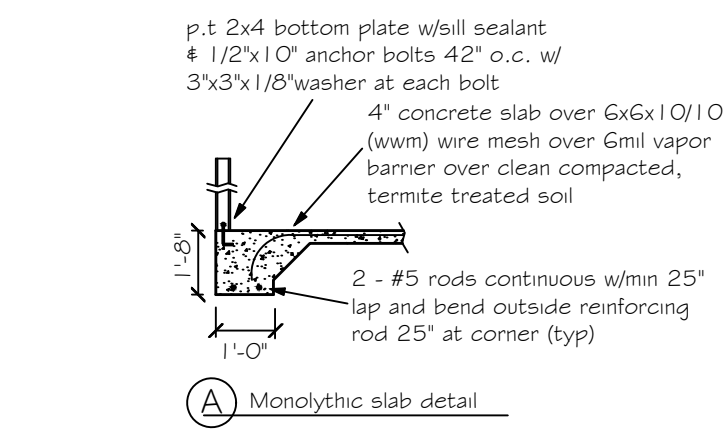
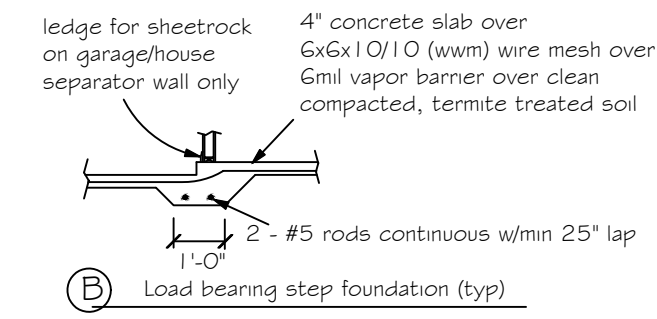


DESIGN SPECIFICATIONS

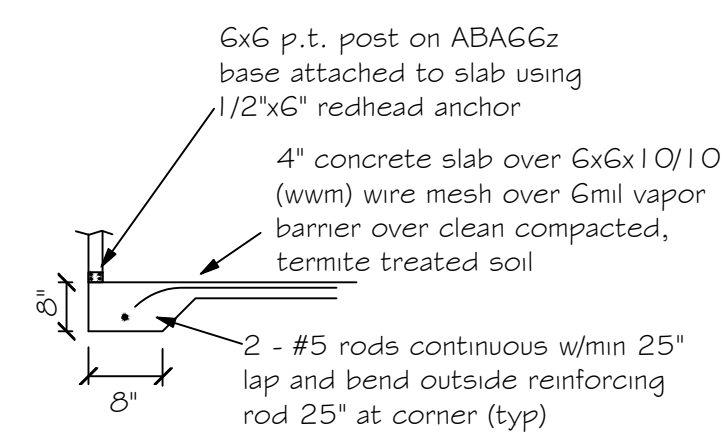
- DESIGN CODES:
2020 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS 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-6, 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 ±



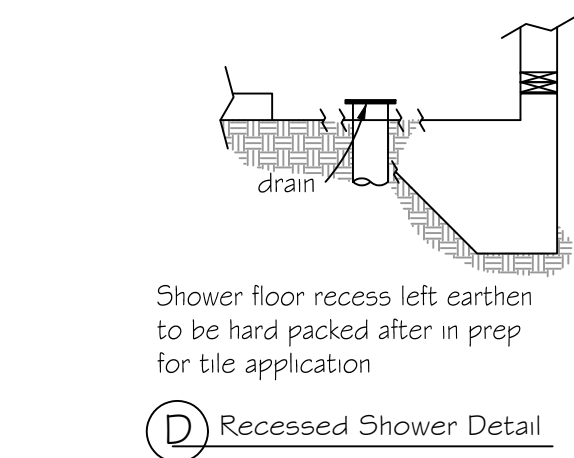
(A) Monolithic slab detail



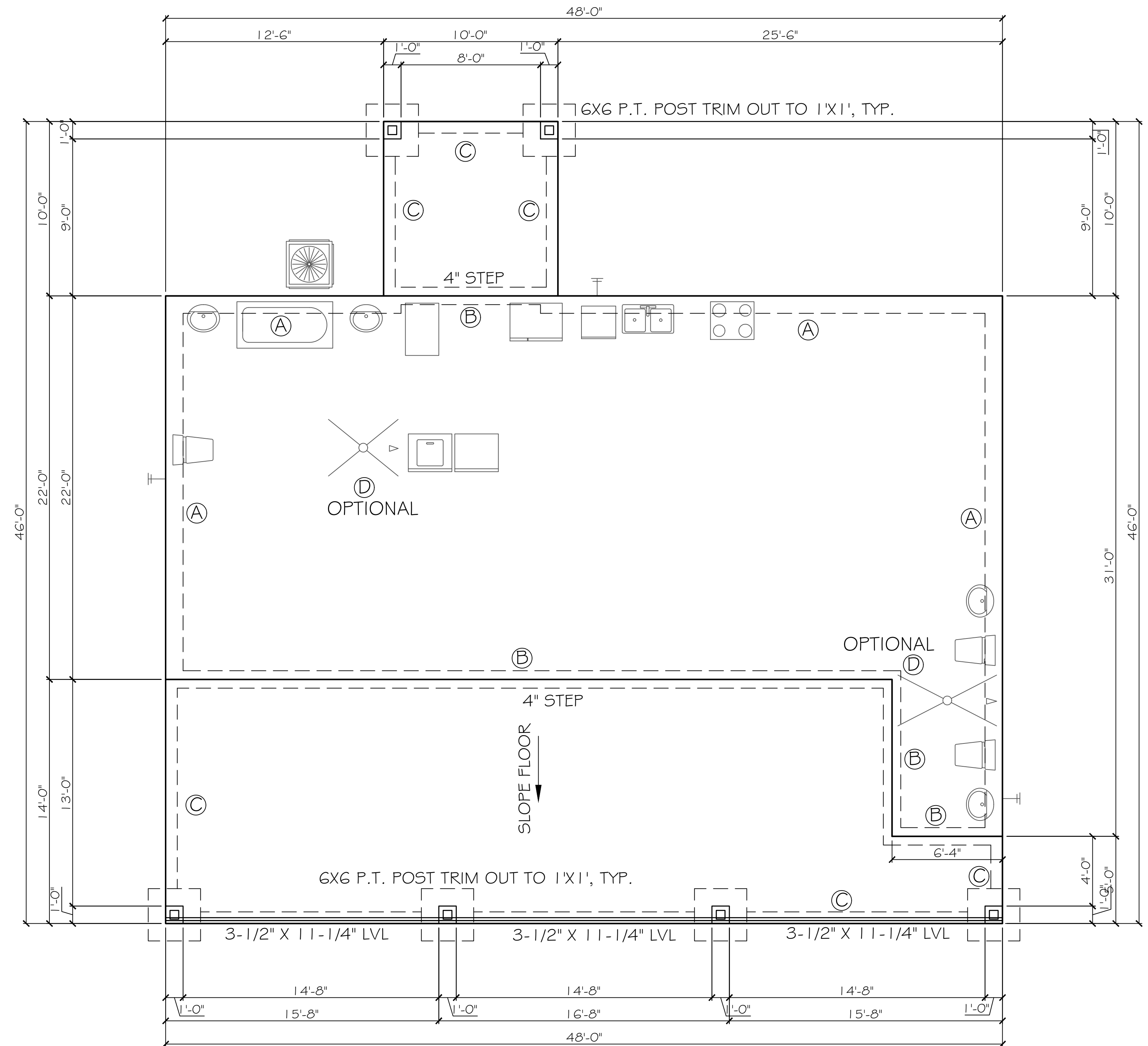
(B) Load bearing step foundation (typ)



(C) Monolithic slab detail at porch



(D) Recessed Shower Detail



FOUNDATION PLAN
SCALE: 1/4" = 1'

ENGINEER'S NOTES:

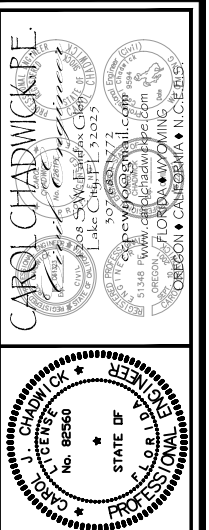
- CONTRACTOR TO VERIFY ALL DIMENSIONS WITH TRUSS DESIGN AND FLOOR PLANS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES ARE FOUND.
- REFER TO ARCHITECTURAL PLANS FOR PLUMBING LOCATIONS.

NOTE:
SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI

FOUNDATION NOTES

- REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH ARCHITECTURAL PLANS 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

Digitally signed by Carol Chadwick
DN: cn=US, ou=Florida, dnQualifier=A014
1020000017860
Date: 2023.06.28 17:50:16 -0400



PROJECT NO: FL23232
DATE: 06/28/2023
DRAWN BY: FREDERICK PERRY
CHECKED BY: CAROL CHADWICK

LEAR RESIDENCE
FOUNDATION PLAN
106 NW LIVE OAK PLACE, LAKE CITY, FL

DATE: 06/28/2023
SCALE: 1/4" = 1'

Printed copies of this document are not considered signed and sealed and are not valid for work.

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 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 IRC SECTION R903.2, 40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 3' OF ABOVE GAVE

BASE OF CALCULATION:

(a) OFF RIDGE VENTS - STAMPED W/ 36 SQ IN (INVA) PER LINEAL FT (INVA) PER LINEAL FT
 (b) SOFFIT VENTS - 13-1/8" FULL VENT PERFORMED W/ 9.19 SQ IN (INVA) PER LINEAL FT

CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE 100%-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 3' FROM PROPERTY LINE

AREA (SQ FT)	REQUIRED (SQ IN)	PROVIDED (SQ IN)
100	480	480
200	960	960
300	1440	1440
400	1920	1920
500	2400	2400
600	2880	2880
700	3360	3360
800	3840	3840
900	4320	4320
1000	4800	4800

SOFFIT VENT SIZES

Double 3" perforated soffits have a 6.20 sq. inch/ft. foot rating
 Triple 4" center vent soffits have a 1.956 sq. inch/ft. foot rating
 Triple 4" full vent soffits have a 5.627 sq. inch/ft. foot rating
 Triple 4" basketweave full vent have a 14.34 sq. inch/ft. foot rating
 Triple 4" center vent has a 4.70 sq. inch/ft. foot rating
 Beaded hidden vent soffits has 2.66 sq. inch/ft. foot rating
 Triple 3-1/2" hidden vent soffits has a 1.19 sq. inch/ft. foot rating

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.

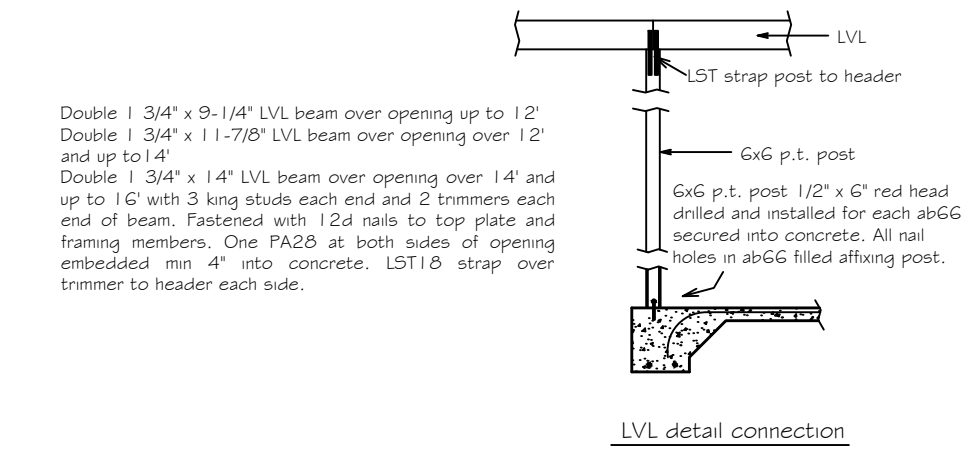
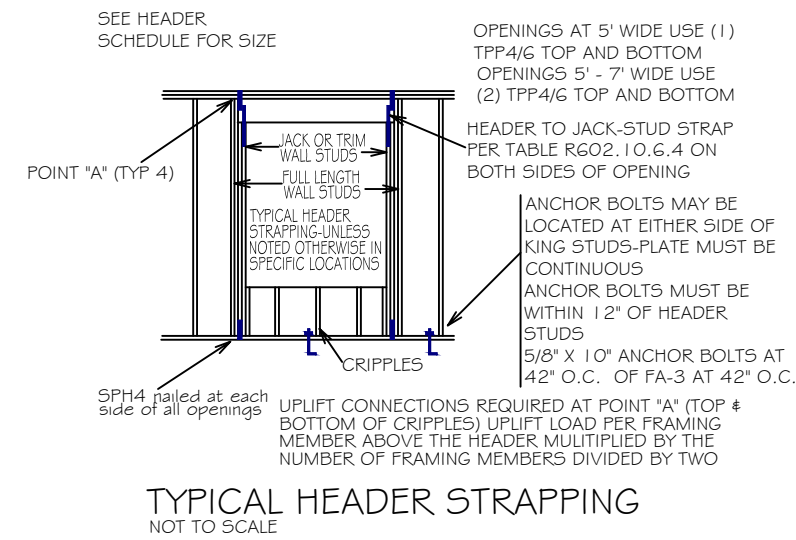
Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8", maximum spacing of 42" o.c., may be used in lieu of 5/8"x10" anchor bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duty Screw Anchors shall be installed per manufacturer's specifications.

ROOF SHEATHING FASTENING

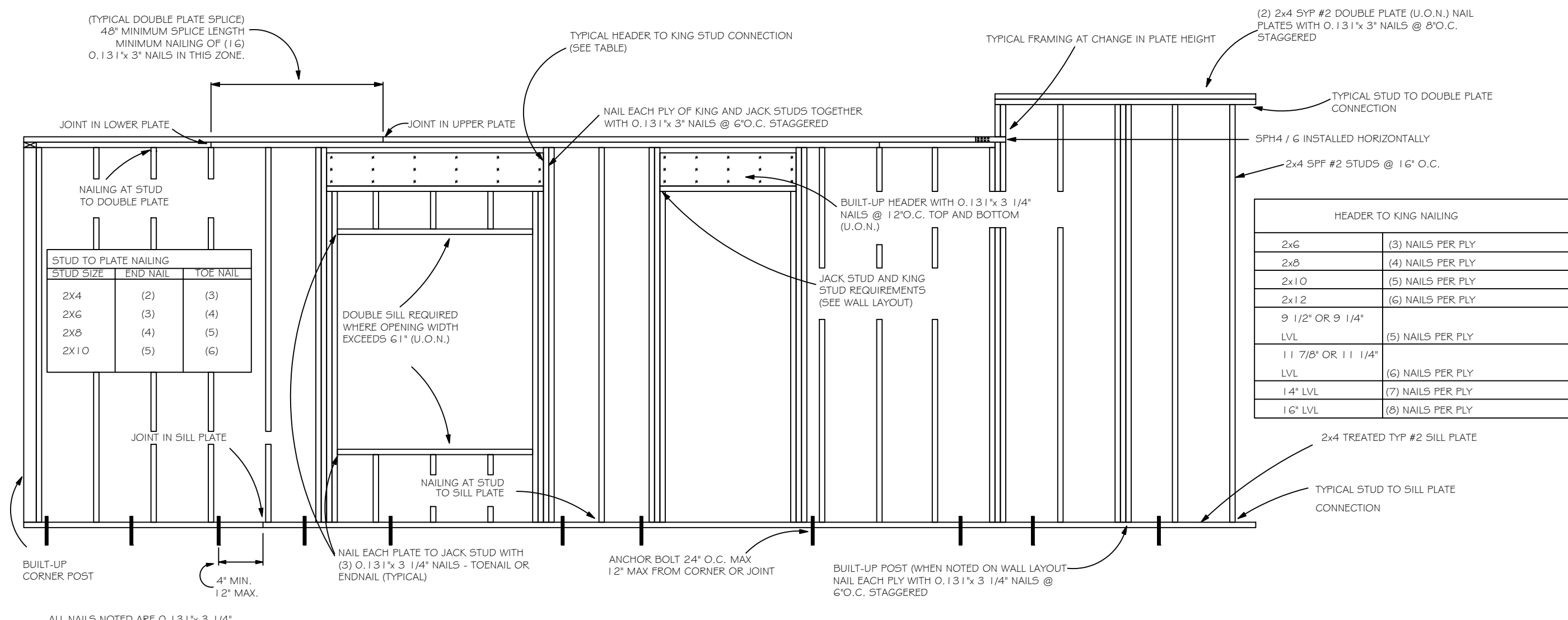
- 4" O.C. GABLE END
 - 6" O.C. EDGES (ALL ZONES)
 - 6" O.C. INTERMEDIATE FRAMING (ZONE 3)
 - 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)
- SEE FIGURE RB03.2.3.1, SECTION RB03.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

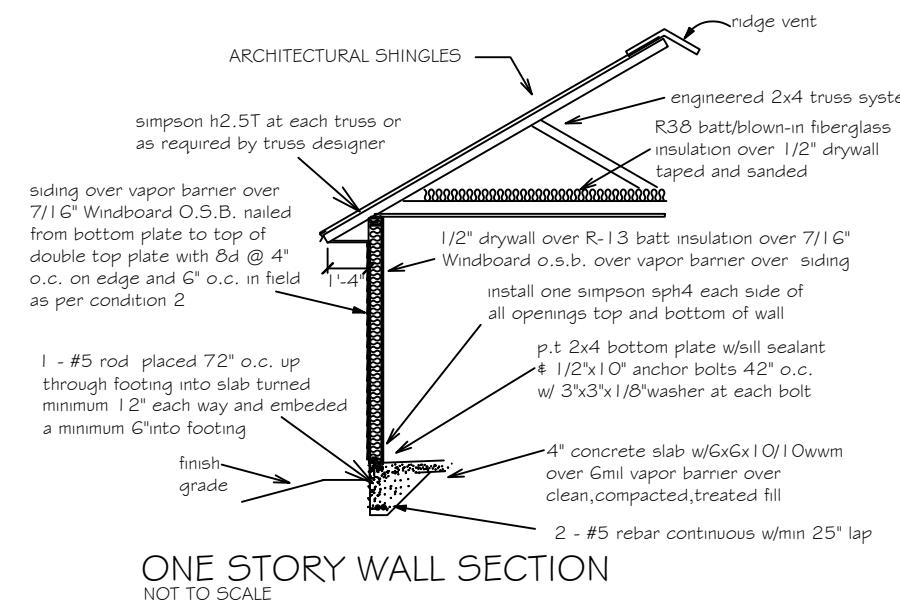
ROOF PITCH LESS THAN 4:12 DBL LAYER OF UNDERLAYMENT IS REQUIRED
 OVERLAP ROOFING UNDERLAYMENT 4" MIN OVER HIPPS AND RIDGES
 BUTION CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY
 DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT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



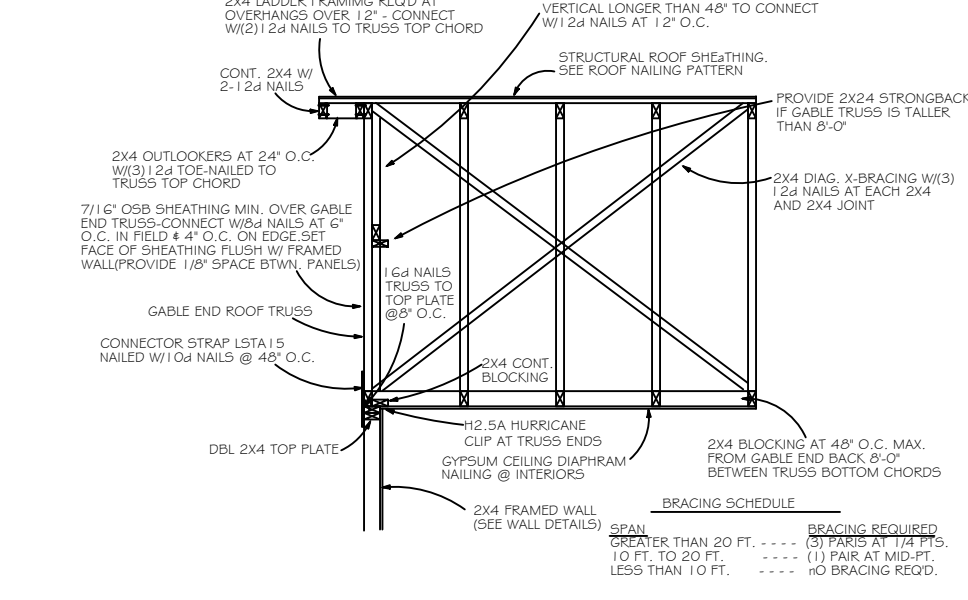
NOTE
 7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD & 4" O.C. ON EDGES



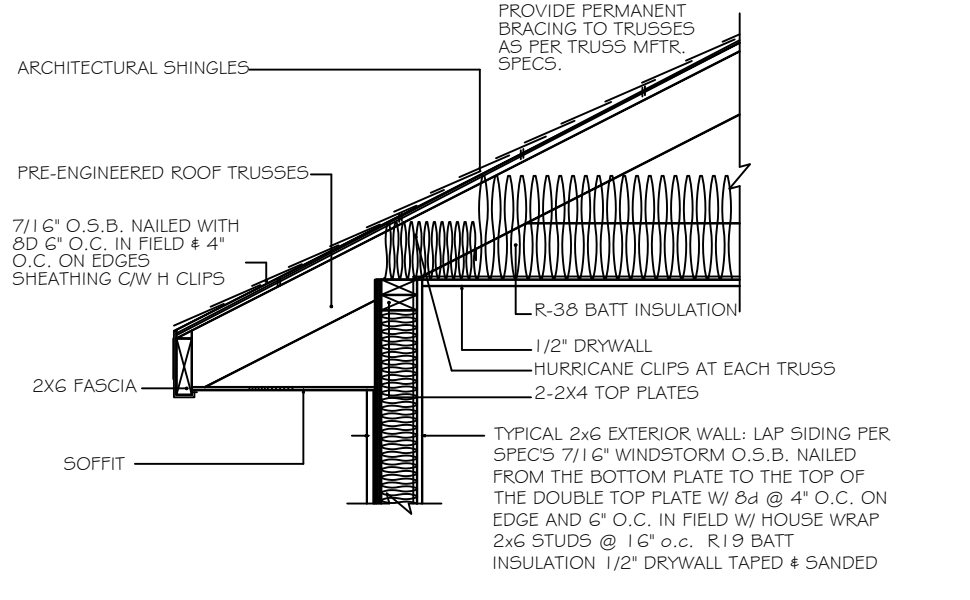
TYPICAL WALL FRAMING
 NOT TO SCALE



ONE STORY WALL SECTION
 NOT TO SCALE



GABLE END BRACING
 NOT TO SCALE



4" STUD EAVE

HEADER SCHEDULE

6x STUD CONTINUOUS TO TOP PLATE
 HEADER - CONTINUOUS

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 6s	2 - 2 x 4s
3'-1" TO 5'-0"	2 - 2 x 10s	2 - 2 x 6s
5'-1" TO 7'-0"	2 - 2 x 10s	2 - 2 x 8s
7'-1" TO 10'-0"	2 - 2 x 10s	2 - 2 x 10s

MAXIMUM HEADER SPAN	NUMBER OF HEADER STUDS (JACKS) SUPPORTING END OF HEADER
3' 0" 6" 9" 12" 15" 18"	1 1 2 2 2 2

NUMBER OF FULL LENGTH STUDS (KINGS) AT END OF HEADER: 2

Digitally signed by Carol Chadwick
 DN: cn=Carol Chadwick, o=Florida
 dnQualifier=AD1410000001786D
 934C0005954C, c=Carol
 Chadwick
 Date: 2023.06.28 17:51:23 -0400

REGISTERED PROFESSIONAL ENGINEER
 CAROL CHADWICK
 LICENSE NO. 12500
 EXPIRES 12/31/2024

REGISTERED PROFESSIONAL ENGINEER
 FREDERICK PERRY
 LICENSE NO. 3566
 EXPIRES 06/30/2024

LEARN RESIDENCE
 FRAMING DETAILS
 106 NW LIVE OAK PLACE, LAKE CITY, FL

DATE: 06/28/2023
 TIME: 2:28:23 PM
 PROJECT: 23-0001
 SHEET: 5-2