

DESIGN SPECIFICATIONS

DESIGN CODES:
 2020 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
 ASCE 7-10, 2005
 NDS, ACI, ATIG, AMPA, APA, ICC 600-08

OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)

DESIGN LOADS:

ROOF TRUSS:
 LL 20 PSF TOP CHORD
 LL 0 PSF BOTTOM CHORD
 DL 7 PSF TOP CHORD
 DL 5 PSF BOTTOM CHORD

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

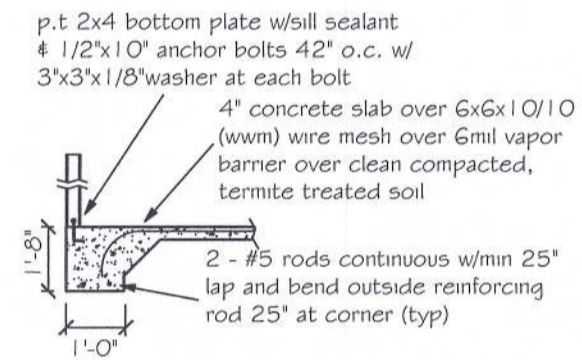
MAXIMUM HEIGHT OF STRUCTURE: 25'-2" ±

NUMBER OF STORIES: 1

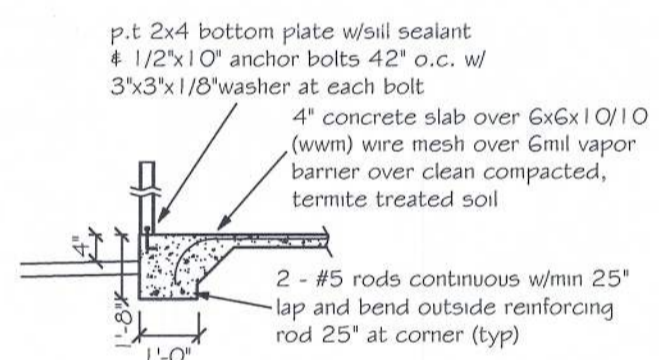
TYPE OF CONSTRUCTION: TYPE V-S, UNPROTECTED, UNSPRINKLERED

WIND ZONE INFORMATION

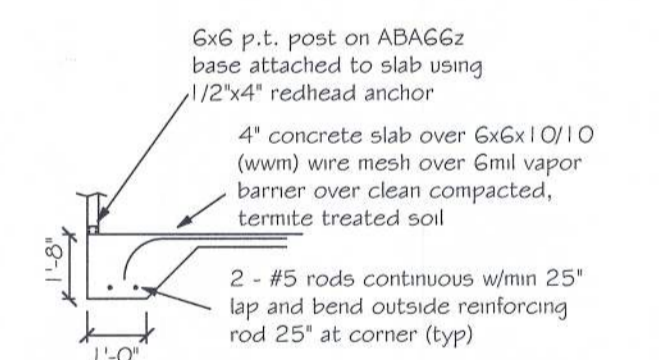
BUILDING: ENCLOSED STRUCTURE
 ULTIMATE DESIGN WIND SPEED: 130 MPH
 NOMINAL DESIGN WIND SPEED: 110 MPH
 BUILDING RISK CATEGORY: II
 WIND EXPOSURE CATEGORY: C
 INTERNAL PRESSURE COEFFICIENT: 0.18 CGP ±



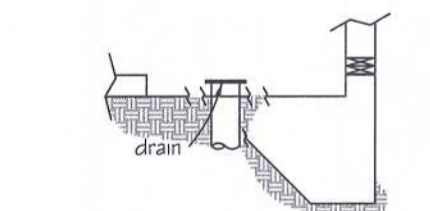
(A) Monolithic slab detail



(B) Monolithic slab detail with step



(C) Monolithic slab detail at porch

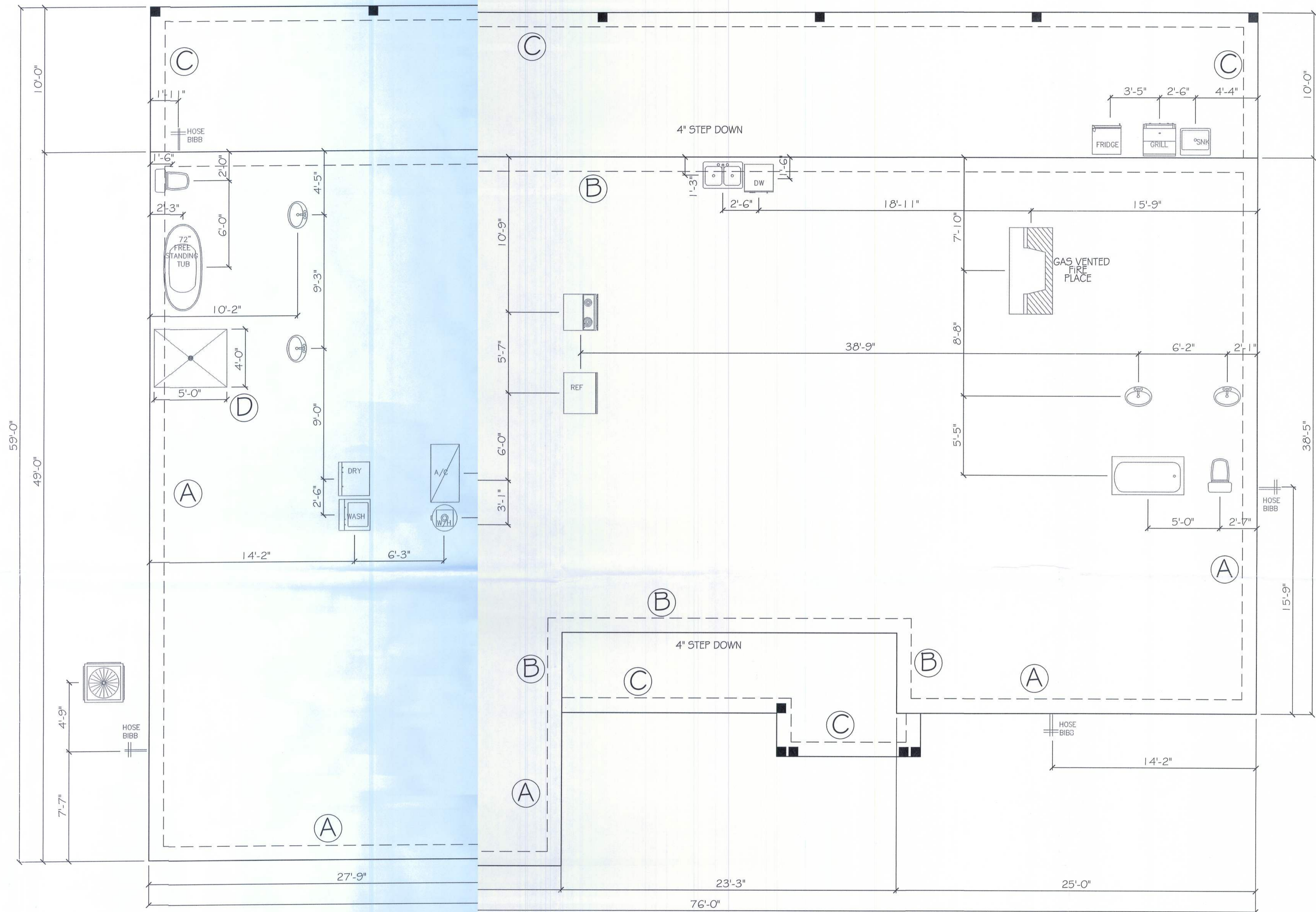


(D) Recessed Shower Detail

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" 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

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



FOUNDATION PLAN
 SCALE: 1/4" = 1'



Digitally signed by Carol Chadwick
 DN: cn=Carol Chadwick, o=Florida, ou=Qualifiers A0141, email=CC@Qualifiers.com, c=US, email=CC@Qualifiers.com, serial=20200214204702-05907

PROJECT NO. 121224
 DATE: FEB. 15, 2021
 REVISION DATE: _____

PREPARED FOR: KINSEY RESIDENCE
 7061 125th Ave SW
 ANDERSON, FL 32617

RECEIVED FOR FILE COPY
 CAROL CHADWICK
 LICENSE NO. 82560
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 PLANS EXAMINER

KINSEY RESIDENCE
 FOUNDATION PLAN

ROOF VENT CALCULATION

FORMULA
 1 SQUARE FOOT FOR EVERY 300 SQUARE INCHES OF CEILING
 1 SQUARE INCHES = 1 SQUARE FOOT
 BUILDING 800 FT² x 14' = BUILDING SID BY BUILDING
 800 x 14 = 11200 SQ IN OF VENT REQUIRED
 11200 / 300 = 37.33 SQ FT REQUIRED AT LOW AND HIGH

ROOF VENT SCHEDULE

REQUIRED	PROVIDED
VENTS	VENTS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
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100	100

SOFFIT TABLE VENT SPECS

Double 2" x 2" soffit has a 2.20 sq. inch, foot rating
 Triple 2" x 2" soffit has a 5.627 sq. inch, foot rating
 Triple 2" x 2" soffit has a 14.34 sq. inch, foot rating
 Triple 2" x 2" soffit has a 4.78 sq. inch, foot rating
 Double 2" x 2" soffit has a 2.66 sq. inch, foot rating
 Triple 2" x 2" soffit has a 2.19 sq. inch, foot rating

NOTE
 7/16" B. NAILED WITH 8D 6"
 O.C. IN D & 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 Screws to be installed per manufacturer's specifications.

Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors may be used in lieu of 5/8" x 8" bolts with 3/4" x 1/8" 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 THAN 4:12 DELAY OF UNDERLAYMENT IS REQUIRED OVERLAP ROOFING UNDERLAYMENT (FIMM) OVER HIPS AND RIDGES

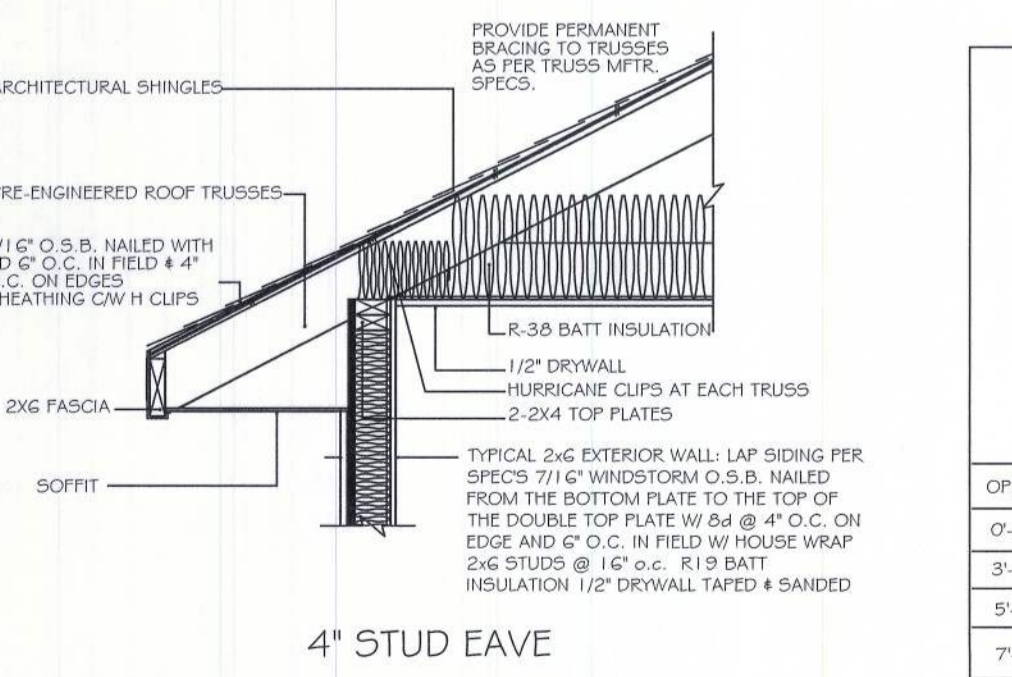
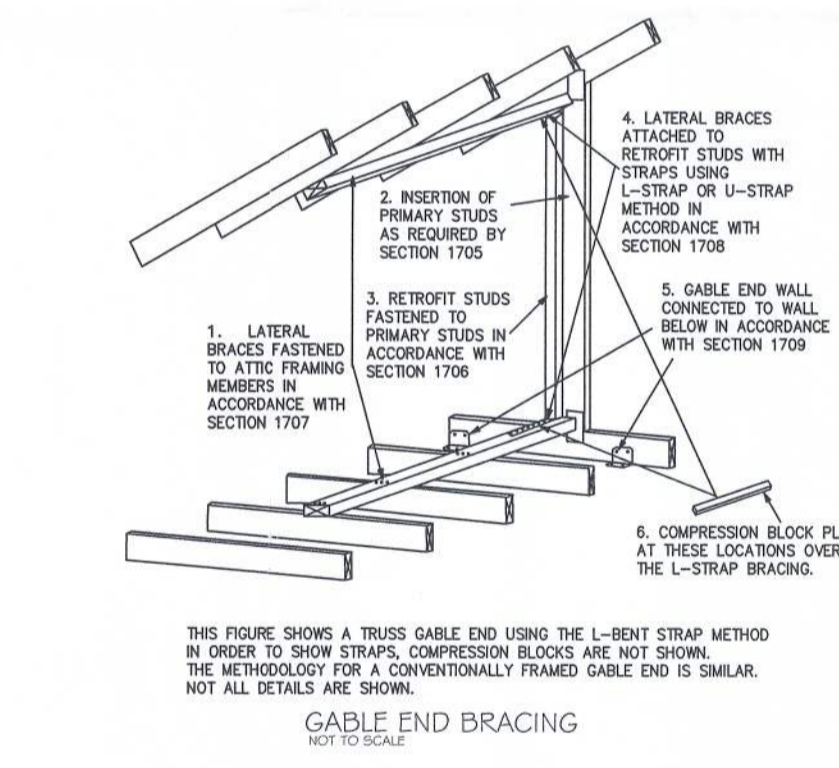
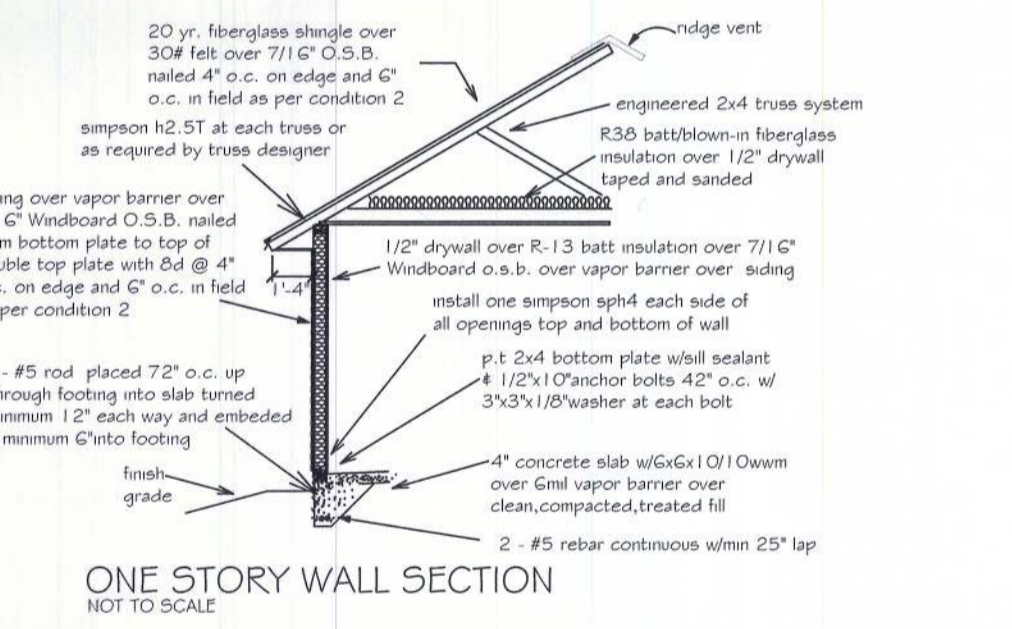
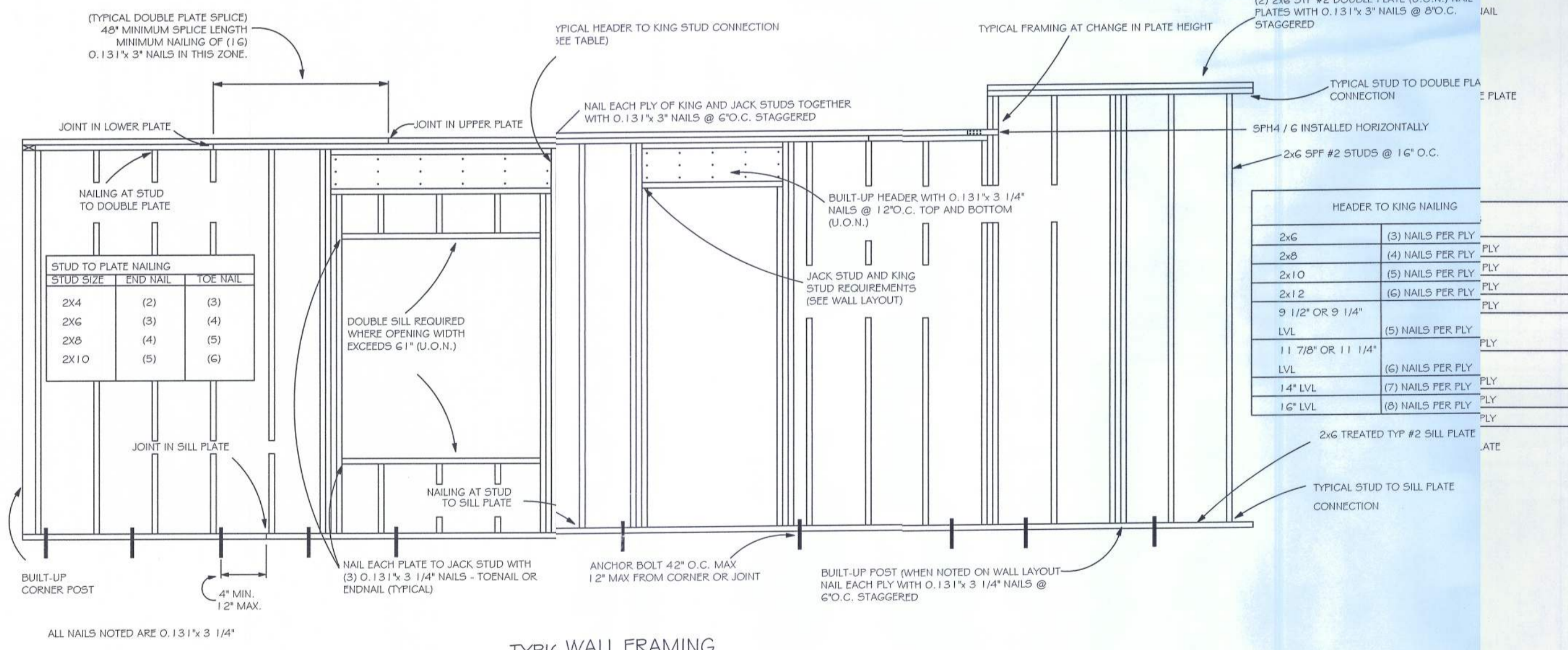
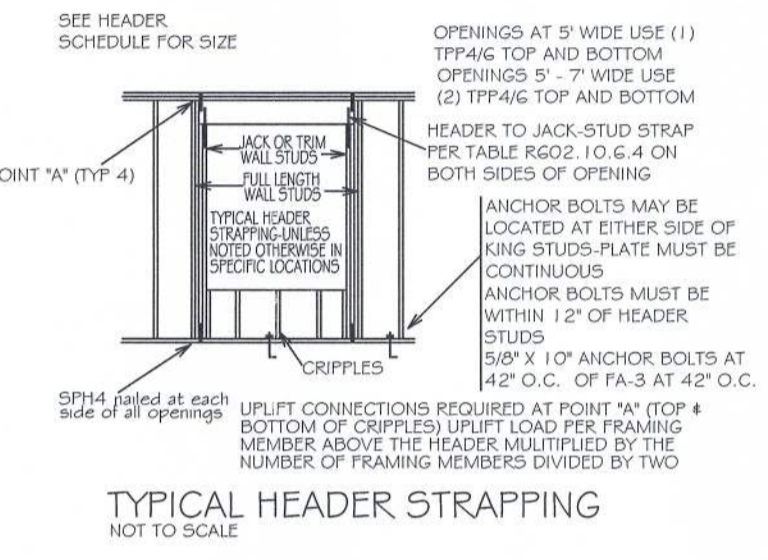
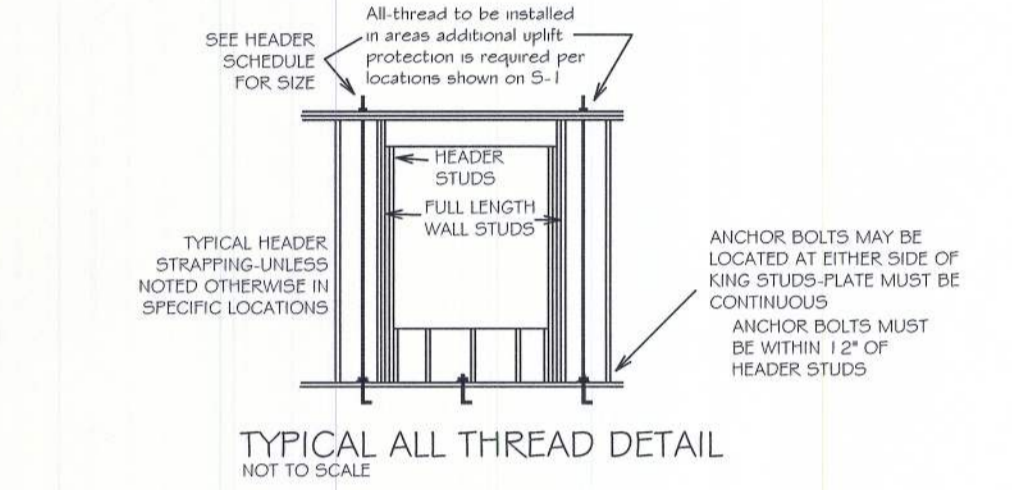
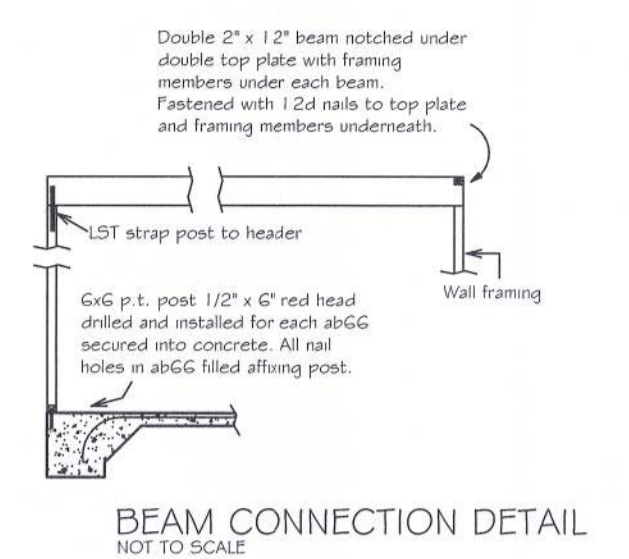
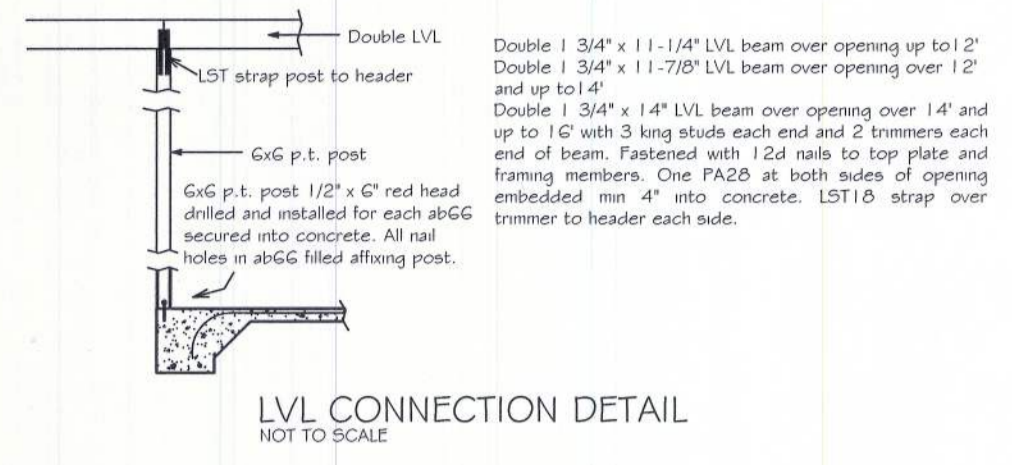
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN CHIMNEYS NOT INSTALLED SAME DAY

Drip Edge Installed Over the Underlayment at Rakes and Underlayment 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



HEADER SCHEDULE

2x STUD CONTINUOUS TO TOP PLATE
 HEADER - CONTINUOUS
 2 - 2x STUDS UNDER UNITS WITH OPENINGS LARGER THAN 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 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 6s
7'-1" TO 10'-0"	2 - 2 x 10s	2 - 2 x 10s

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

NUMBER OF HEADER STUDS (JACKS) SUPPORTING END OF HEADER
 1 1 2 2 2 2

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

CAROL J. CHADWICK
 LICENSED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 02290
 4/18/22

KINSLEY RESIDENCE FRAMING DETAILS

DATE: 2022.02.14 20:47:25 -0500

PROJECT NO: FL21294
 DATE: FEB. 15, 2021
 DRAWN BY: DR-CMS, dr-cms@floridacivil.com
 CHECKED BY: DR24CE005954C, cn=Carol Chadwick
 DATE: 2022.02.14 20:47:25 -0500