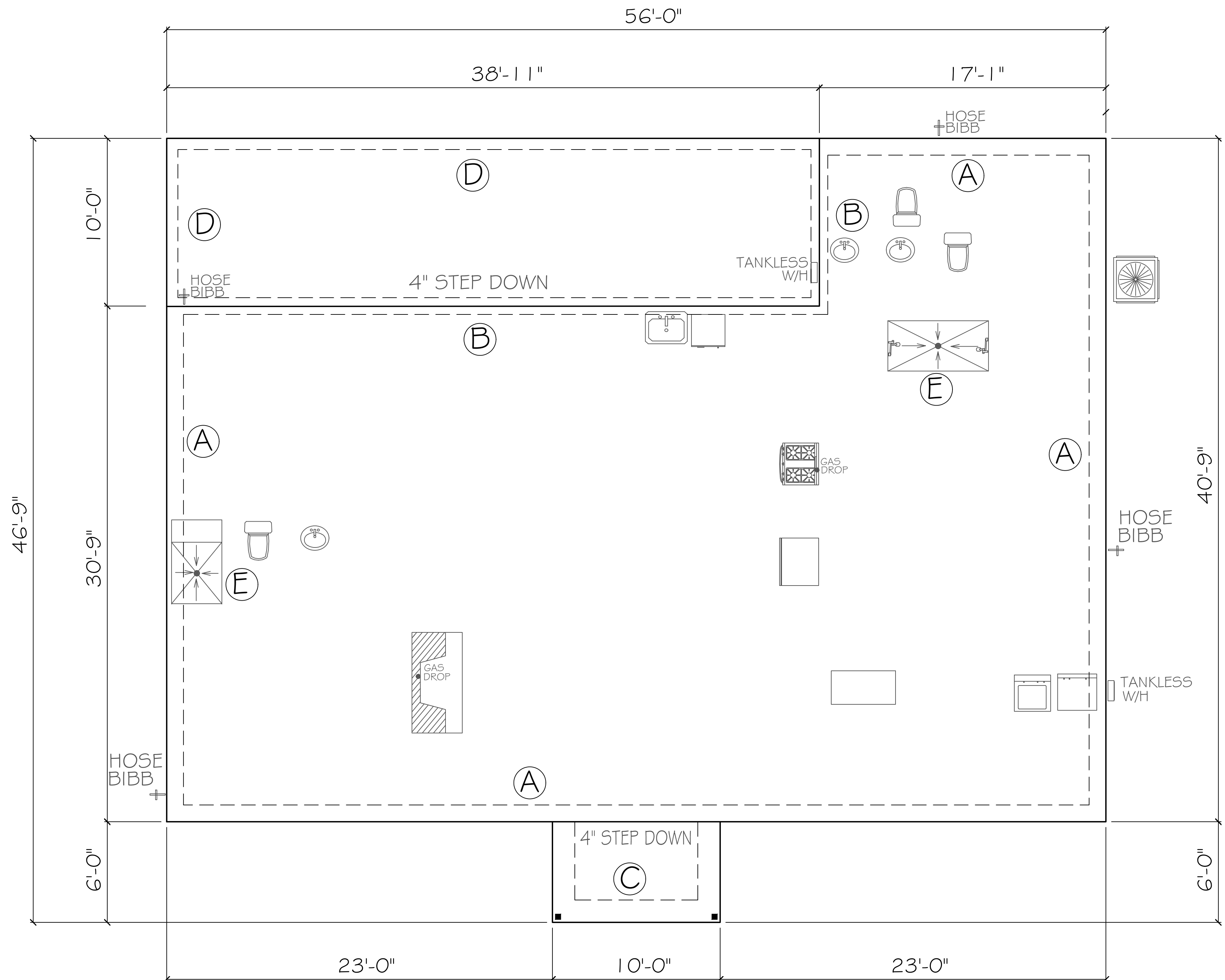
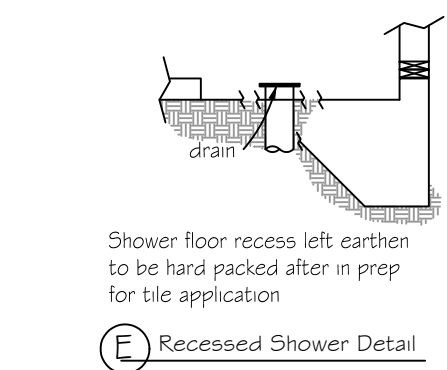


- DESIGN CODES:
2020 FLORIDA BUILDING CODE (FBC) -
RESIDENTIAL
ASCE 7-10, 2005
NDS, ACI, ATC, AWPA, APA, ICC 600-08
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND
TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING 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 $C_{Gp1} \pm$



SCALE: 1/4" = 1'

1. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
2. CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH ARCHITECTURAL PLANS PRIOR TO POURING SLAB
3. THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1/4" 1' WELDED WIRE MESH PLACED ON CHAIRS 18" DIA. FIBER MESH CONCRETE, 6-MIL VAPOR BARRIER W/ 6" LAME SEALED W/ POLY URE OVER TERRAZZO-TREATED 12" COMPACTED FILL
4. 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

Digitally signed by Carol Chadwick
DN: c=US, o=Florida,
dnQualifier=A01410D0000017EB6
D924CE0005954C, cn=Carol
Chadwick
Date: 2022.07.31 14:41:26 -04'00'

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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 / 12 = 50% AT HIGH AND 50% AT LOW PER FBC SECTION R806.2, 40% 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 - STAMPED W/ 3G SQ IN (NFVA) PER LINEAL FT					
(b) SOFFIT VENTS - 1/2" T3-1/3" FULL VENT PERFORATED W/ 9.19 SQ IN (NFVA) PER LINEAL FT					
CALCULATED UNDER FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM PROPERTY LINE					
AREA (SQ FT)	REQUIRED VENTS	PROVIDED (SQ IN)	LINEAL FT	LOW (SQ IN)	
RIGHT 11/6 VENT = 216 SQ IN LOW 11/6 VENT = 219 SQ IN					
SOFFIT VENT SIZES					
Double 5" perforated soffits have a 6.20 sq. inches/ sq. foot rating					
Triple 4" center vent soffits has a 1.396 sq. inches/ sq. foot rating					
Triple 4" full vent soffits has a 5.867 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 4.78 sq. inches/ sq. foot rating					
Beaded hidden vent soffits has 2.66 sq. inches/ sq. foot rating					
Triple 3-1/8" hidden vent soffits has a 9.19 sq. inches/ sq. foot rating					

NOTE
7/16" O.S.B. NAILED WITH ØD 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 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 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 DBL LAYER OF UNDERLAYMENT IS REQUIRED

OVERLAP ROOFING UNDERLAYMENT 4(MIN) OVER HIP AND RIDGES

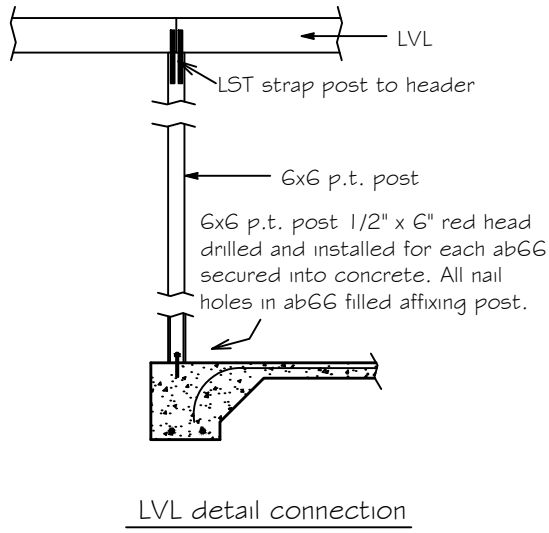
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY

DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT AT EAVES

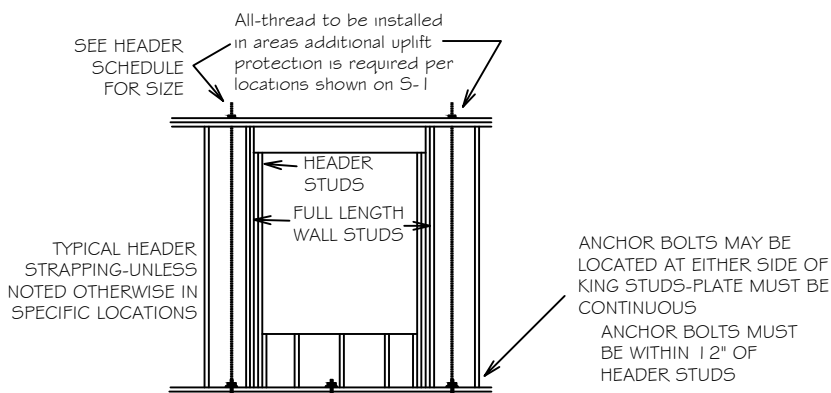
ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION

METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURERS SPECS

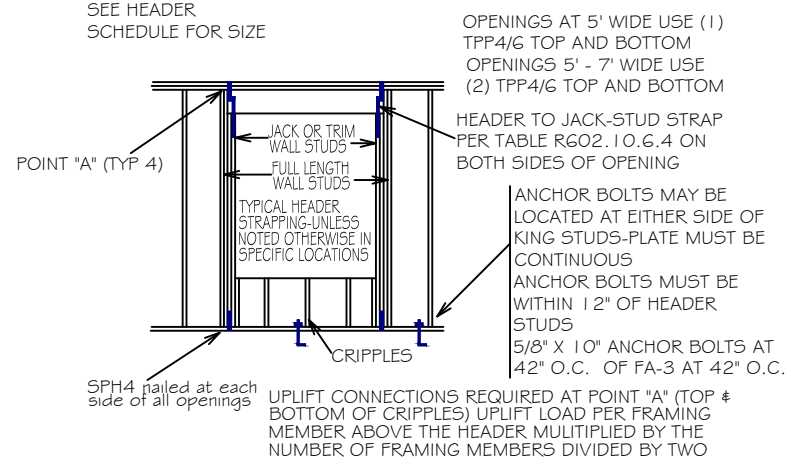
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING



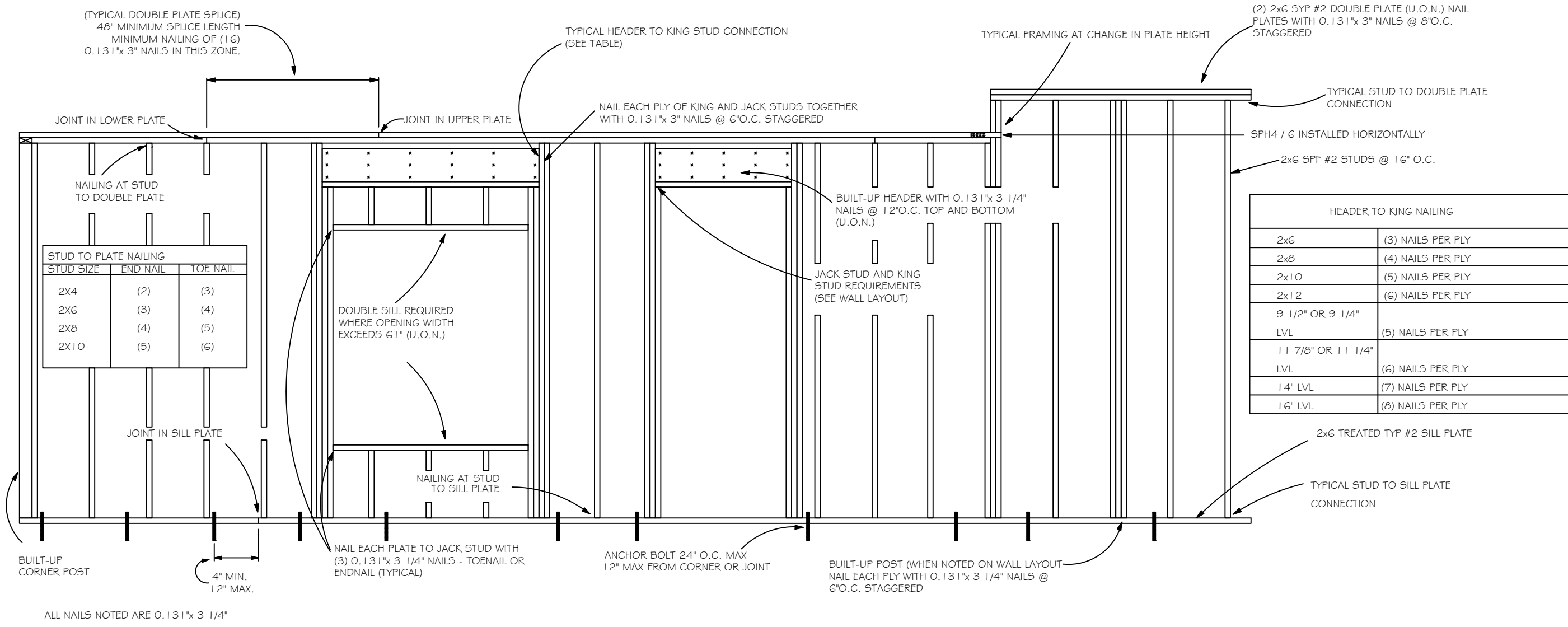
LVL detail connection



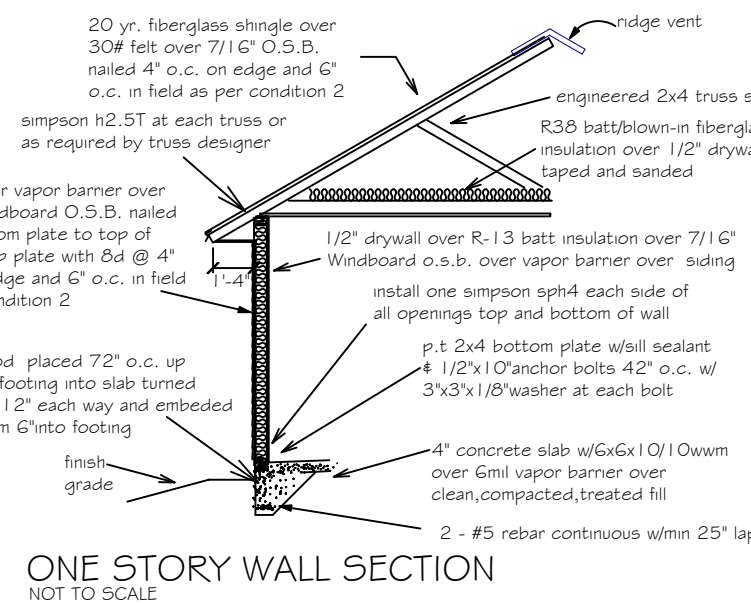
TYPICAL ALL THREAD DETAIL
NOT TO SCALE



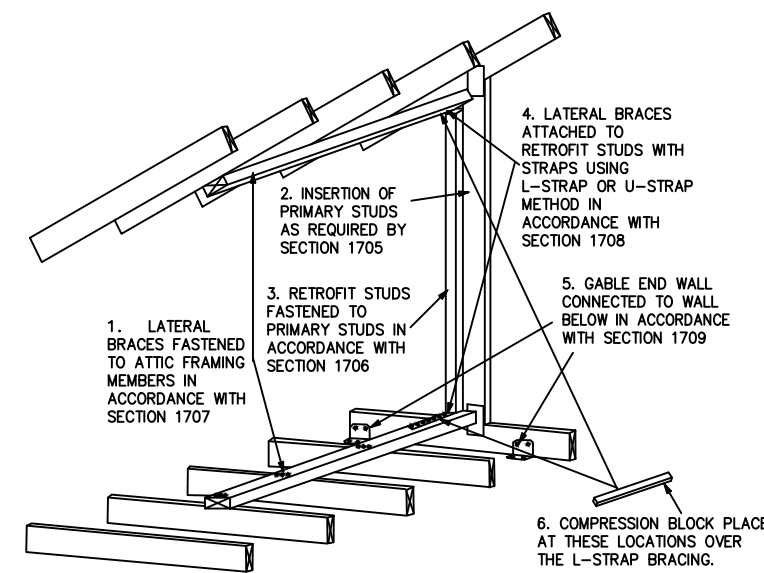
TYPICAL HEADER STRAPPING
NOT TO SCALE



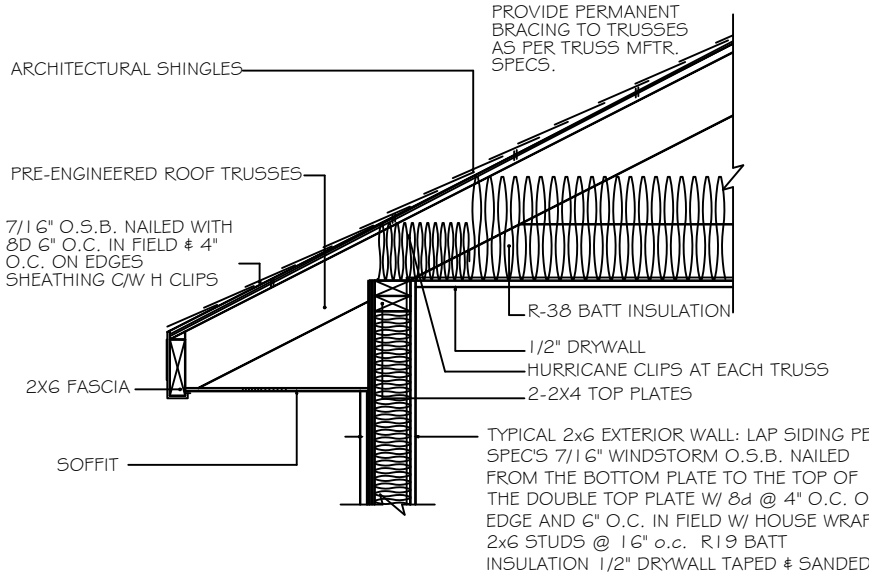
TYPICAL WALL FRAMING
NOT TO SCALE



ONE STORY WALL SECTION
NOT TO SCALE



THIS FIGURE SHOWS A TRUSS GABLE END USING THE L-BENT STRAP METHOD IN ORDER TO SHOW STRAPS. COMPRESSION BLOCKS ARE NOT SHOWN. THE METHODOLOGY FOR A CONVENTIONALLY FRAMED GABLE END IS SIMILAR. NOT ALL DETAILS ARE SHOWN.
GABLE END BRACING
NOT TO SCALE



4" STUD EAVE

HEADER SCHEDULE			NOTE:		
2x STUD CONTINUOUS TO TOP PLATE			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		
2 - 2x STUDS UNDER UNITS WITH OPENINGS LARGER THEN 5'-0"					
MAXIMUM HEADER SPAN			NUMBER OF HEADER STUDS (JACKS) SUPPORTING END OF HEADER		
3' 6' 9' 12' 15' 18'			1 1 2 2 2 2		
NUMBER OF FULL LENGTH STUDS (KINGS) AT END OF HEADER			2		
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			

Digitally signed by Carol Chadwick DN: c=US, ou=Florida, dnQualifier=A0141 000000017EB0D92 4C00699AC, cn=Carol Chadwick Date: 2022.07.31 16:41:52 -0400