

5-1
SHEET

ROOF VENT CALCULATION					
FORMULA					
1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING 1.44 SQUARE INCHES = 1 SQUARE FOOT BUILDING CEILING (SQ FT) / 1.44 = 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 IRC SECTION R803.2: 40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 3'-0" ABOVE GABLE BASE OF CALCULATION: (a) OFF RIDGE VENTS - STAMPCO W/ 5G SQ IN (INVA) PER LINE FT (b) SOPRIT VENTS - 6" T3-1/3" FULL VENT PERFORMED W/ 9.19 SQ IN (INVA) PER LINE FT CALCULATED UNDER A FOOT OF SOPRIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOPRIT LOCATED LESS THAN 5' FROM PROPERTY LINE					
AREA (SQ FT)	REQUIRED	PROPOSED			
	HIGH	LOW	VENTS (SQ IN)	LINEAL FT	LOW (SQ IN)
ROOF 117'10" WIDE" = 214.36 SQ IN LOW (117'10" LINEAL FT) = 31.91 SQ IN					
SOPRIT TABLE VENT SPECS					
Double 5' perforated soffits have a 6.20 sq. inch/sq. foot rating Triple 4' center vent soffit has a 1.956 sq. inch/sq. foot rating Triple 4' full vent soffit has a 5.667 sq. inch/sq. foot rating Triple 4' basketweave full vent has a 14.34 sq. inch/sq. foot rating Triple 4' center vent has a 4.79 sq. inch/sq. foot rating Beaded hidden vent soffit has 2.66 sq. inch/sq. foot rating Triple 3-1/3" hidden vent soffit has a 9.19 sq. inch/sq. 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 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 HIPPS AND RIDGES

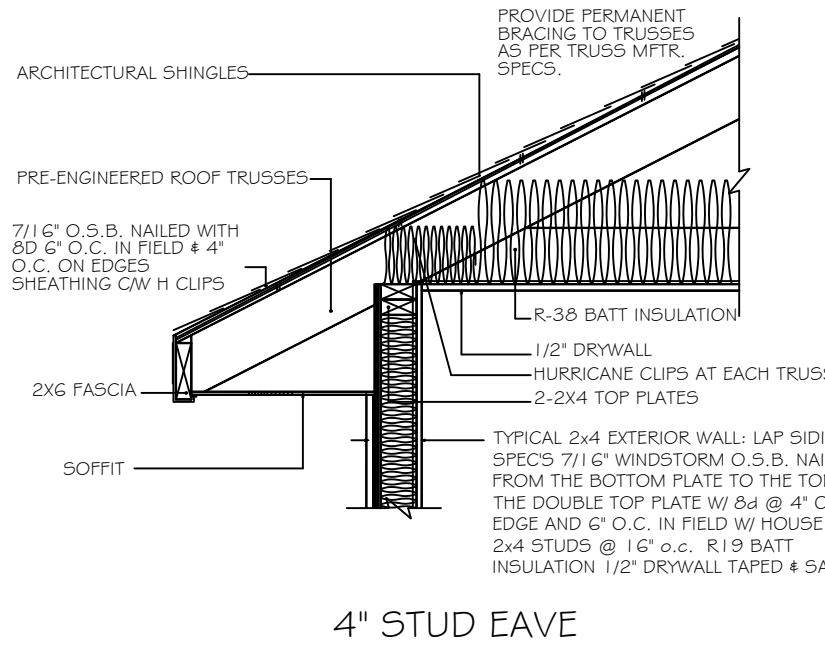
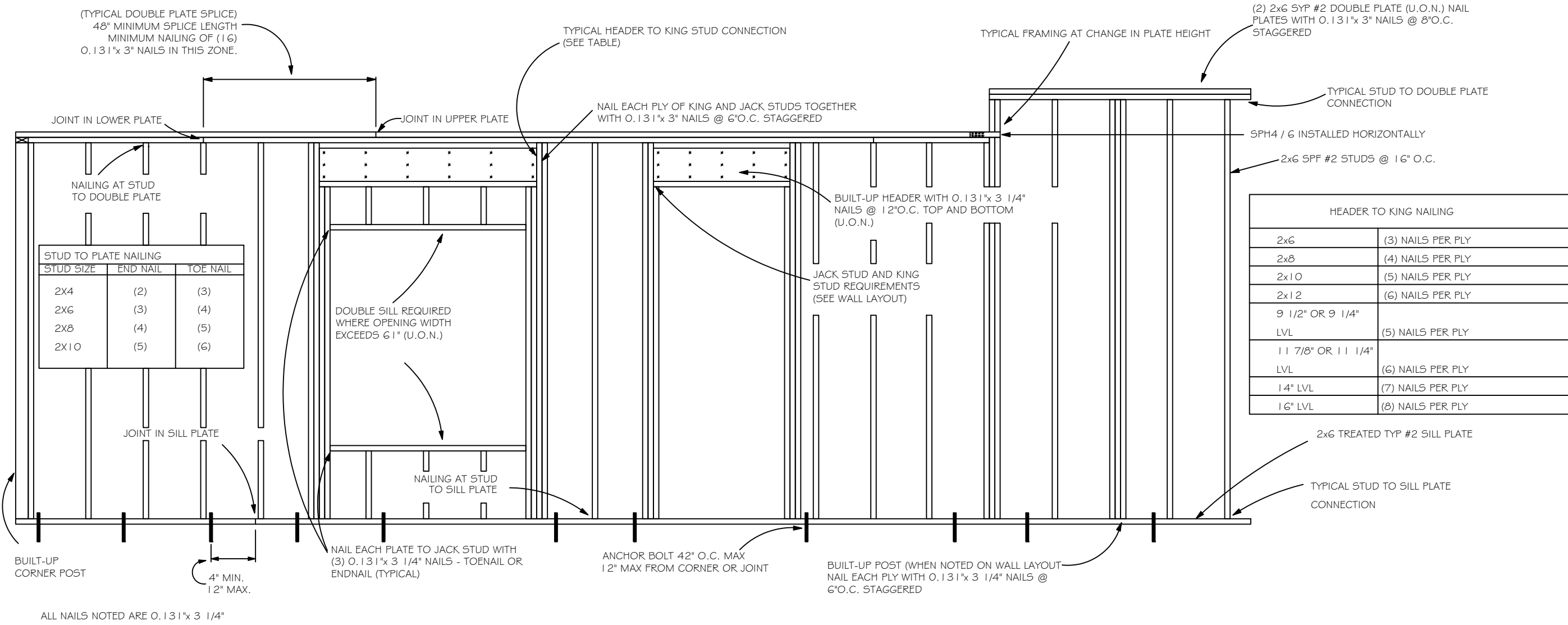
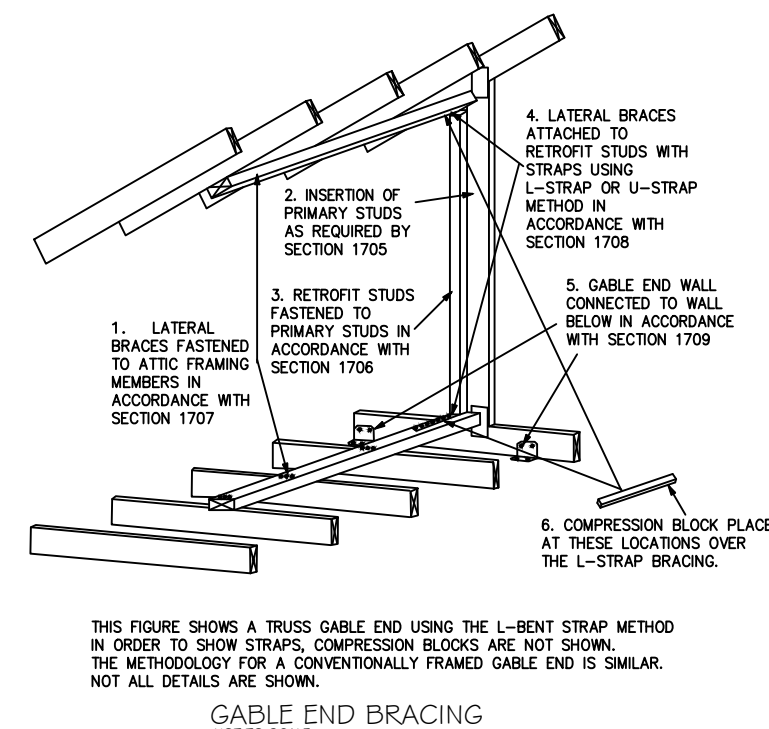
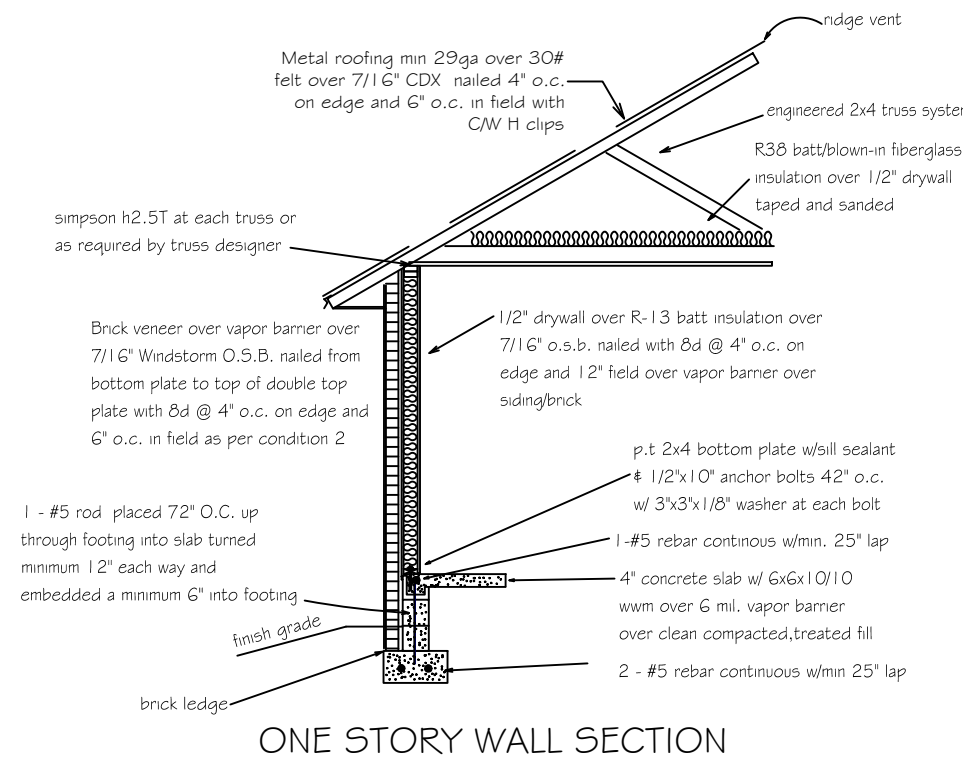
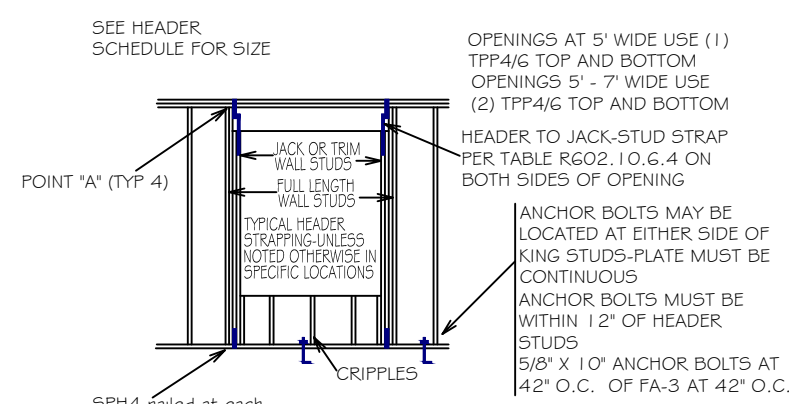
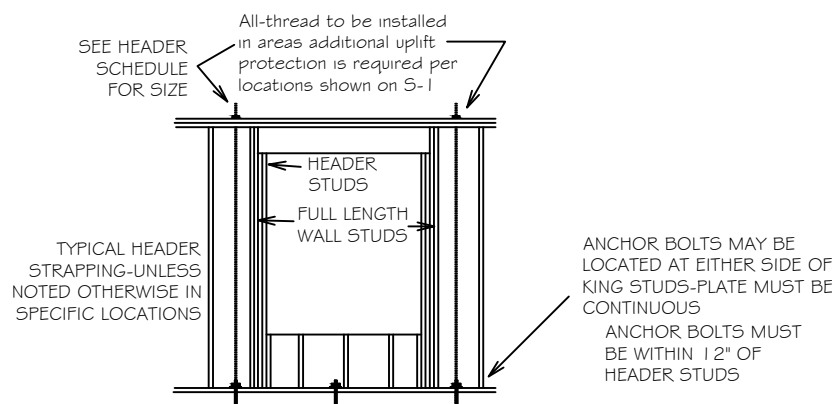
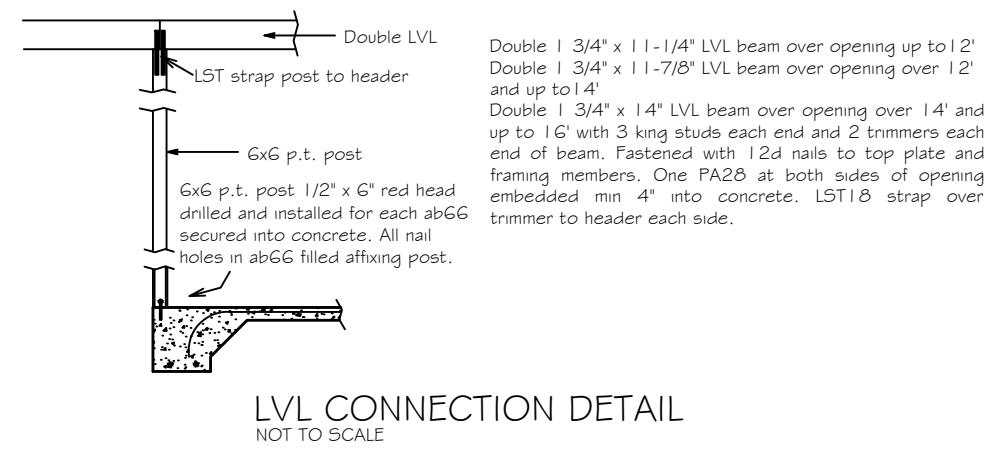
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK
WHEN SHINGLES NOT INSTALLED SAME DAY

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

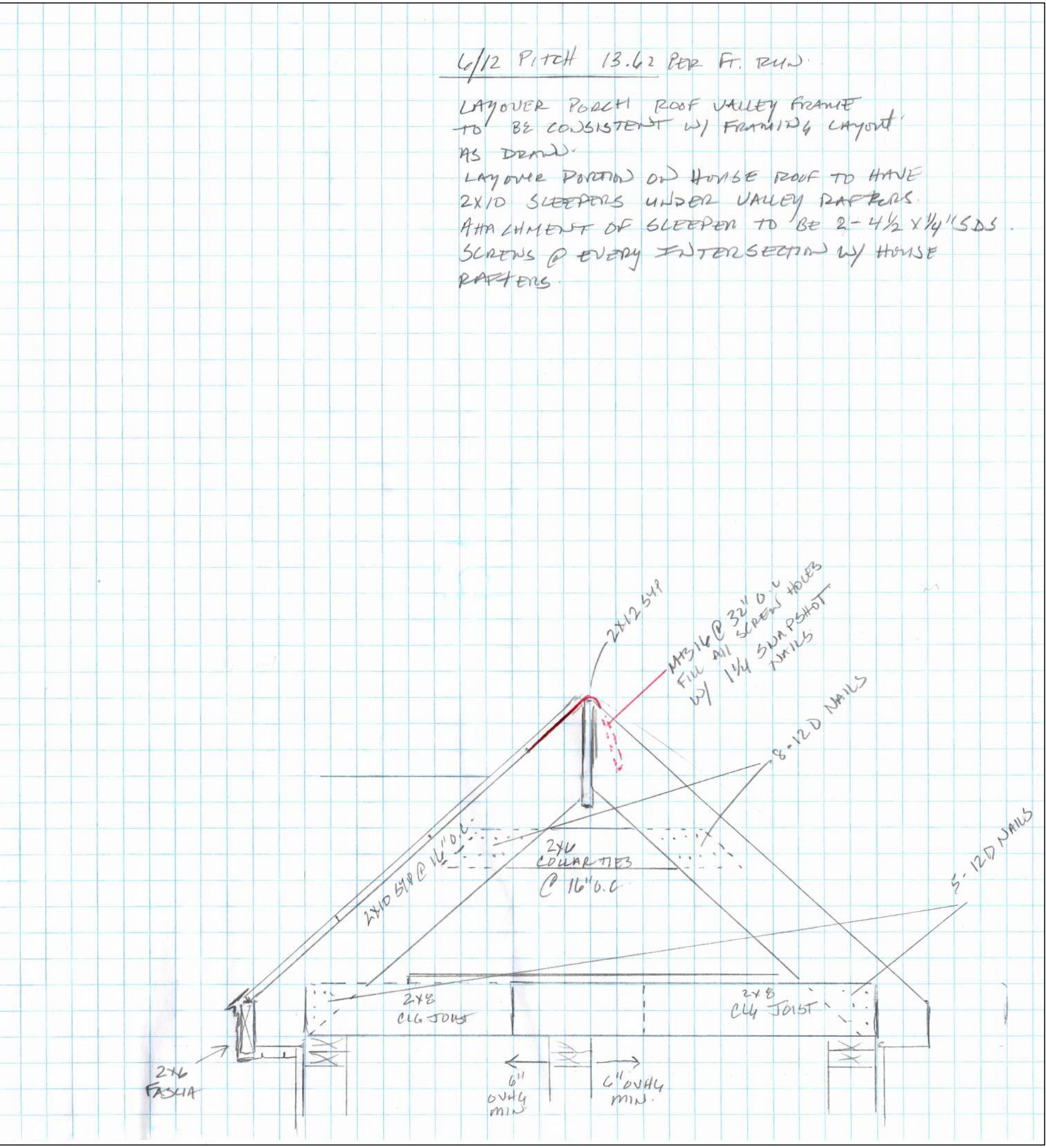
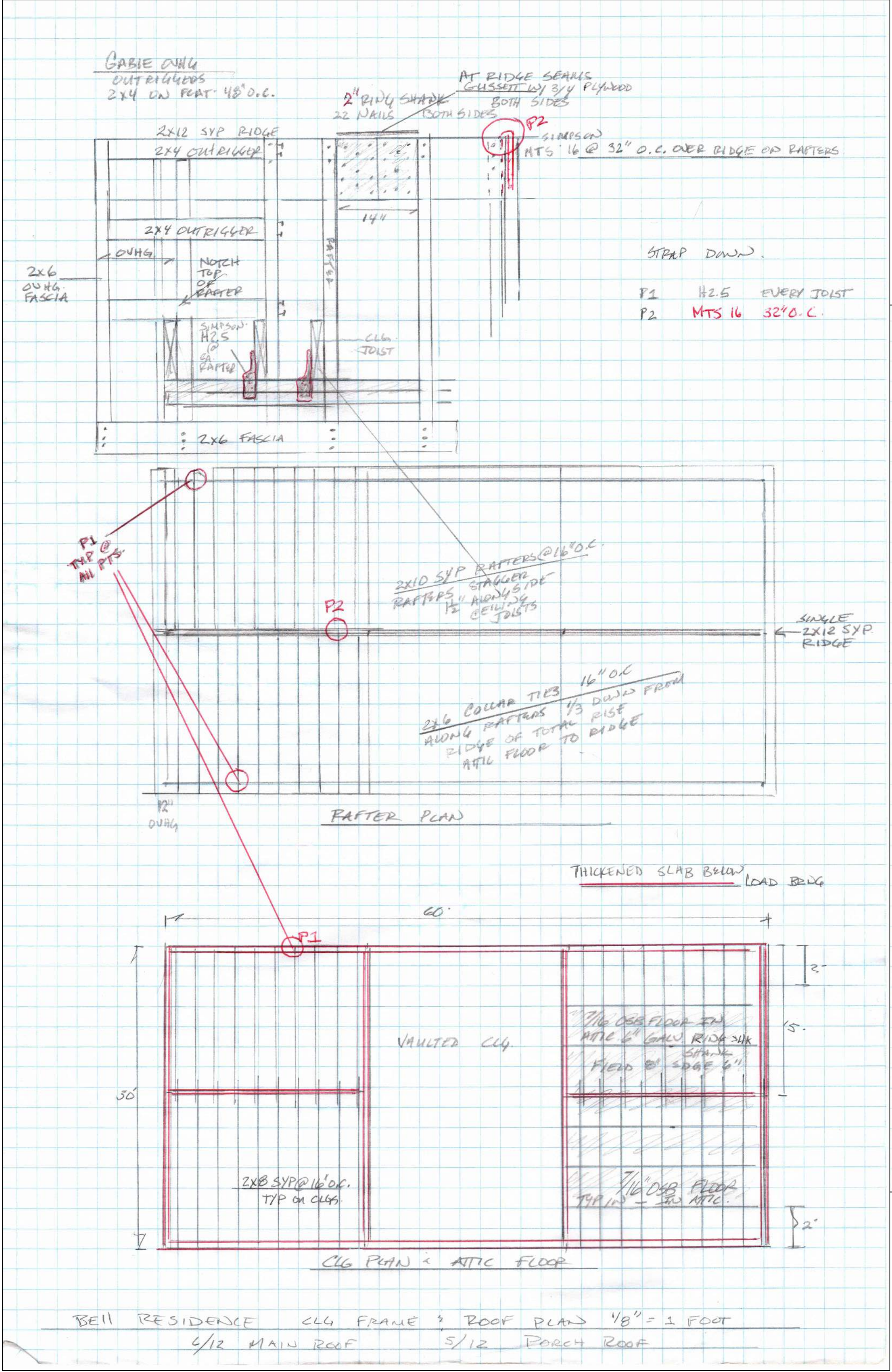
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL
CLADDING



HEADER SCHEDULE			NOTE:	
2X STUD CONTINUOUS TO TOP PLATE			UPRIFT 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	
			2' 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	
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		



Digitally signed by Carol Chadwick
DN: cn=US, o=Florida,
dnQualifier=A01410D0000017E86,
D924CE0005954C, cn=Carol
Chadwick
Date: 2022.03.27 19:42:59 -0400



Digitally signed by
Carol Chadwick
DN: cn=US,
o=Florida,
dnQualifier=A014
10000000176860
924CE0005554C,
cn=Carol
Chadwick
Date: 2022.03.27
1943:16-04'00'

Professional Engineer
Carol Chadwick
10000000176860
924CE0005554C
cn=Carol
Chadwick
Date: 2022.03.27
1943:16-04'00'

BELL RESIDENCE
ROOF FRAMING PLAN

DATE: 11/22/2024
TIME: 2:17 PM
USER: carol.chadwick

5/3