

A hand-drawn diagram on a grid background. It shows a large rectangle with a yellow border. Inside, a diagonal line divides the space. Labels include '2410' and '2410' near the diagonal, 'CLG' and 'JUST' near the bottom left, and '248' near the bottom right. There are also some arrows and a small square symbol.

6/12

~~EXISTENCE~~ ~~TRUCKS~~  
a/cg joints on  
TRUCKS bottoms  
wall  
w-

BOY WALL BELOW

24% SYP @ 16% O.C

8" OVER HANG

all. go B7B

DBL  
248 348

27<sup>1</sup>  
C44 901513

ADD 2x10 SYP.  
ALONG TOP COR  
OF PLANTER GARDEN  
BORED w/ 1/4x4 1/2 SYP  
12" O.C.  
2 PINE C 6/12

TWP.  
Asphalt Changel  
1516 Feet  
1/2" OSB  
2x12 HP  
Nail SP  
6" on edge  
8" on field

2x10 SUP PATTERNS

TABLE 210  
ALLOYSIDE  
ENTIRE TOP  
COPED

2x10 SUP PATTERNS

TABLE 210  
ALLOYSIDE  
ENTIRE TOP  
COPED

2412548 448

2x10 SYP PARTIAL  
@ 16" O.C.  
TYP

27'  
PASTERS

2. Post  
FESTUNG TRUSSES  
DER

ESTABLISHED 1911  
EXISTING GIRDER TRUSS X2 -  
WALL  
P.B.

Bd. WAD  
Bd. WAD  
WAD

261

821

11



DESIGN SPECIFICATIONS

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 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: 16'-11 1/2"  
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<sub>g</sub> ±

| ROOF VENT CALCULATION                                                                                                                                                                                                                                          |          |          |                                |          |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------------------------------|----------|----------|
| FORMULA                                                                                                                                                                                                                                                        |          |          |                                |          |          |
| 1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING<br>1.44 SQUARE INCHES = 1 SQUARE FOOT<br>BUILDING CEILING (SQ FT) / 1.44 = BUILDING SQ IN<br>BUILDING (SQ IN) / 300 = SQ IN OF VENT REQUIRED<br>SQ IN OF VENT REQUIRED / 24" = 50% AT HIGH AND 50% AT LOW |          |          |                                |          |          |
| PER FBC SECTION R803.2: 40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 3'-0" ABOVE GAVE                                                                                                                           |          |          |                                |          |          |
| BASE OF CALCULATION:                                                                                                                                                                                                                                           |          |          |                                |          |          |
| (a) OFF RIDGE VENTS - STAMPCO W/ 5G 50 IN (INVA) PER LINEAL FT                                                                                                                                                                                                 |          |          |                                |          |          |
| (b) SOFFIT VENTS - 6" T3-1/3" FULL VENT PERFORATED W/ 9.19 SQ IN (INVA) 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 | PROPOSED | AREA (SQ IN)                   | REQUIRED | PROPOSED |
| ROOF (11'0" VENT) = 214.50 SQ IN                                                                                                                                                                                                                               |          |          | LOW (11'0" VENT) = 31.91 SQ IN |          |          |
| SOFFIT TABLE VENT SPECS                                                                                                                                                                                                                                        |          |          |                                |          |          |
| Double 5' perforated soffits have a 6.20 sq. inch/sq. foot rating                                                                                                                                                                                              |          |          |                                |          |          |
| Triple 4' center vent soffits has a 1.956 sq. inch/sq. foot rating                                                                                                                                                                                             |          |          |                                |          |          |
| Triple 4' full vent soffits 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 4.78 sq. inch/sq. foot rating                                                                                                                                                                                                      |          |          |                                |          |          |
| Beveled hidden vent soffits has a 2.66 sq. inch/sq. foot rating                                                                                                                                                                                                |          |          |                                |          |          |
| Triple 3-1/3" hidden vent soffits 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 SDWG TRUSS Screws may be used for uplift connection in lieu of straps. Strong-Drive SDWG 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 3/32"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

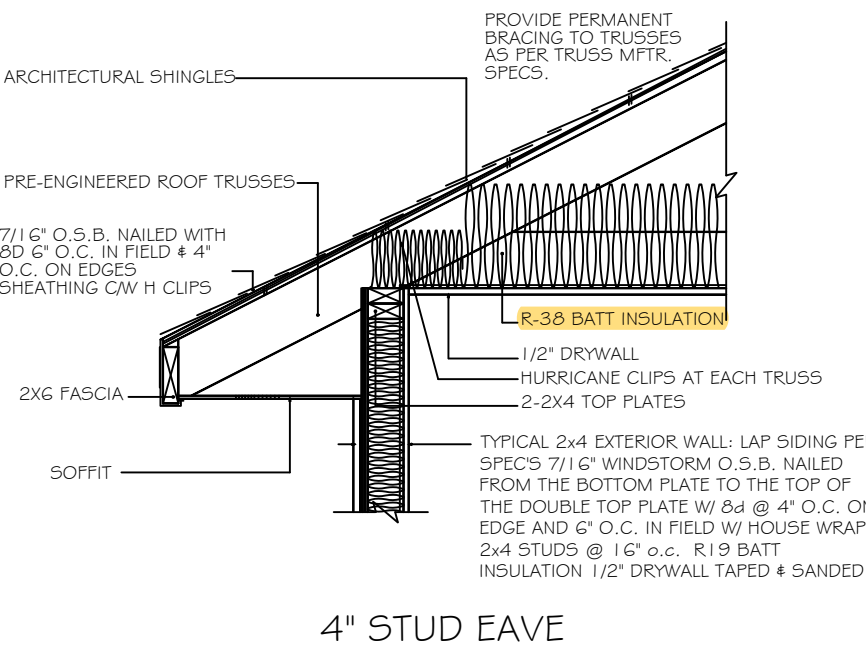
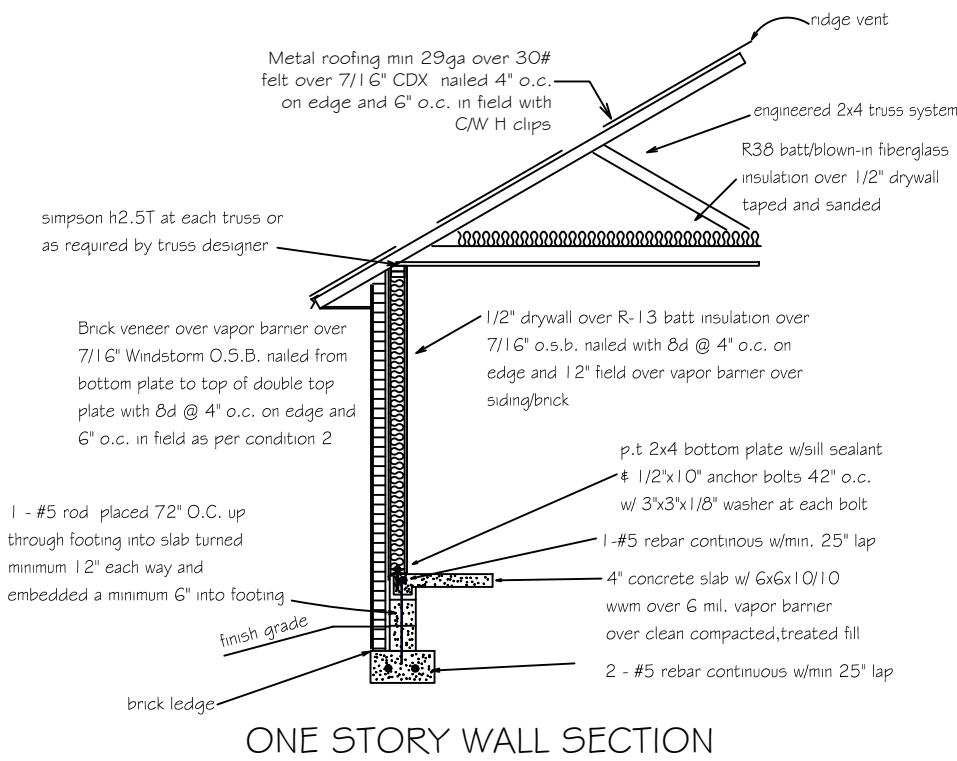
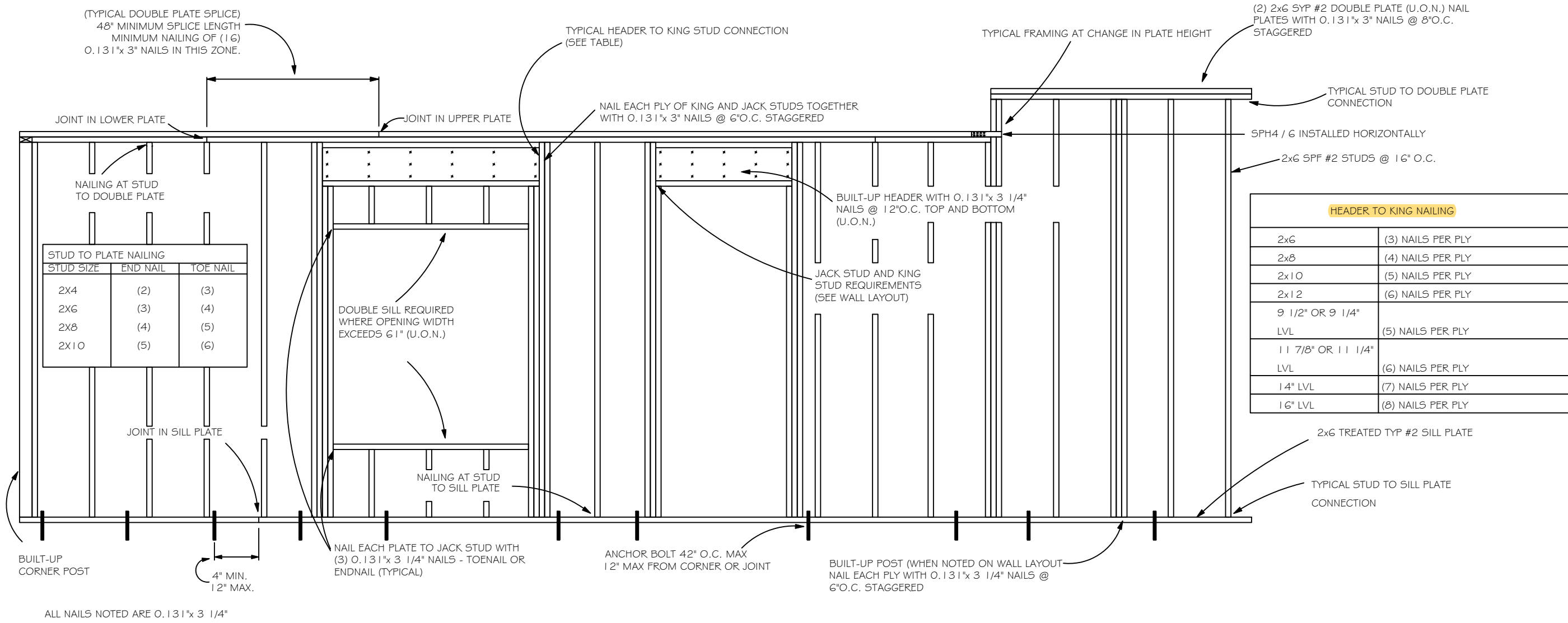
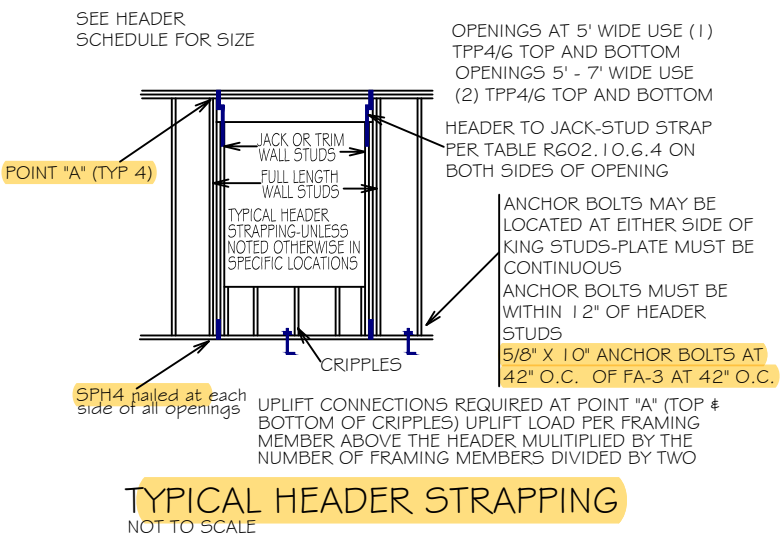
ROOF PITCH LESS THAN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED  
OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIPPS AND RIDGES

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                      |                       |                   | UP/LIFT 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 |  |
| 2x STUDS UNDER UNITS WITH OPENINGS LARGER THEN 5'-0" |                       |                   |                                                                                                                                                              |  |
| 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                                                                                                                                                            |  |
| 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      |                                                                                                                                                              |  |