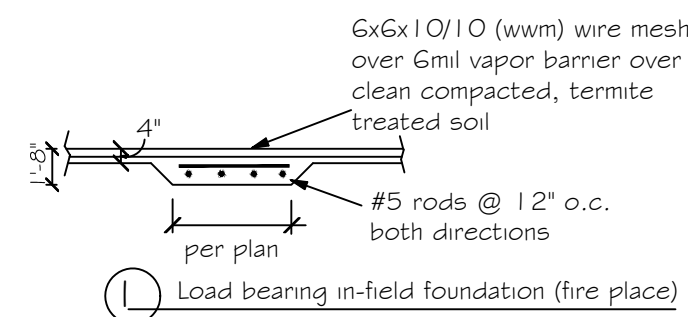
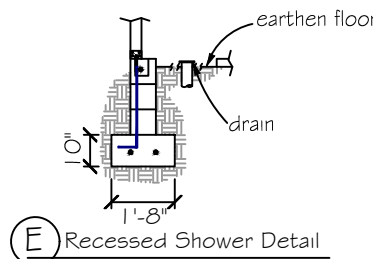
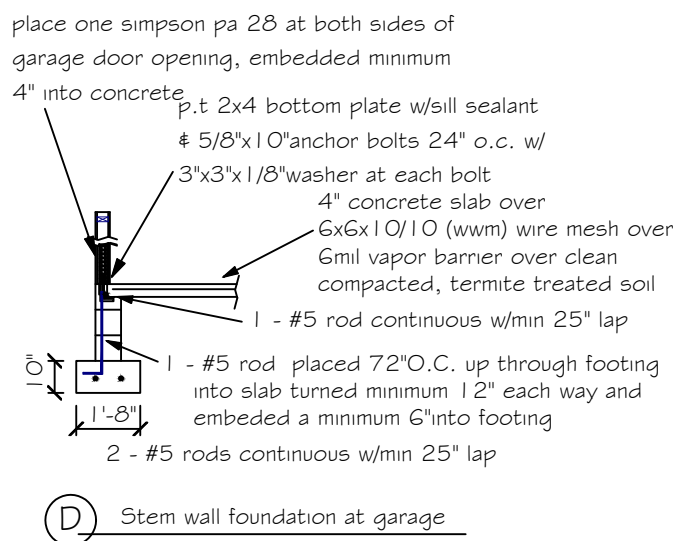
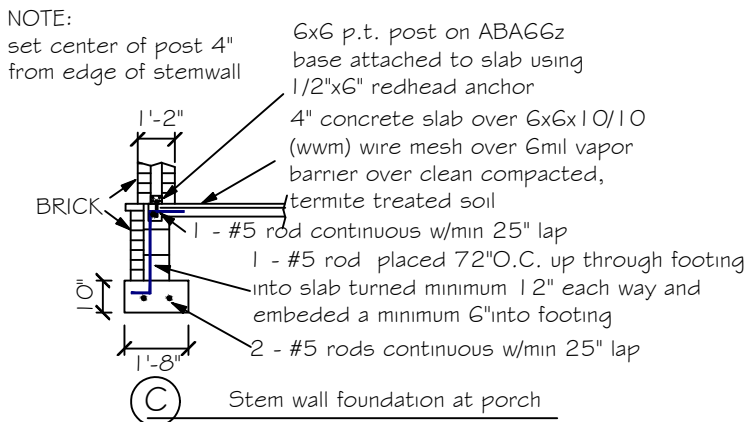
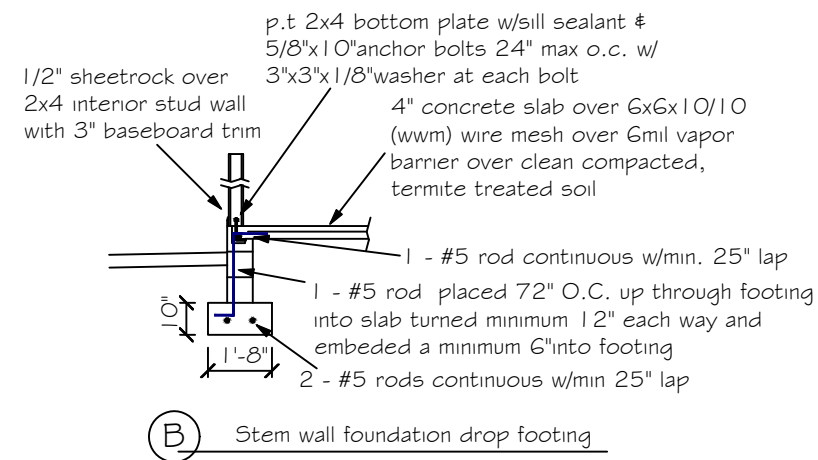
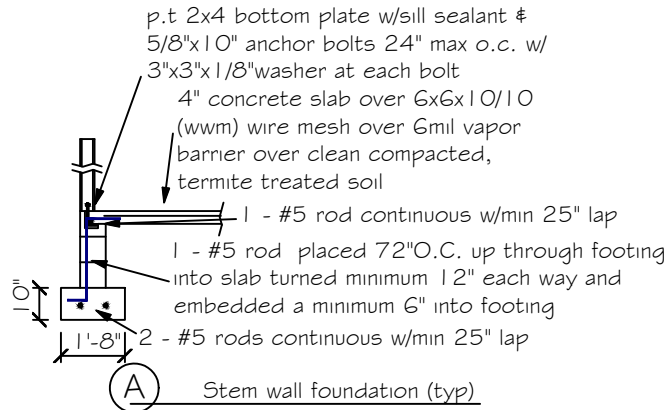
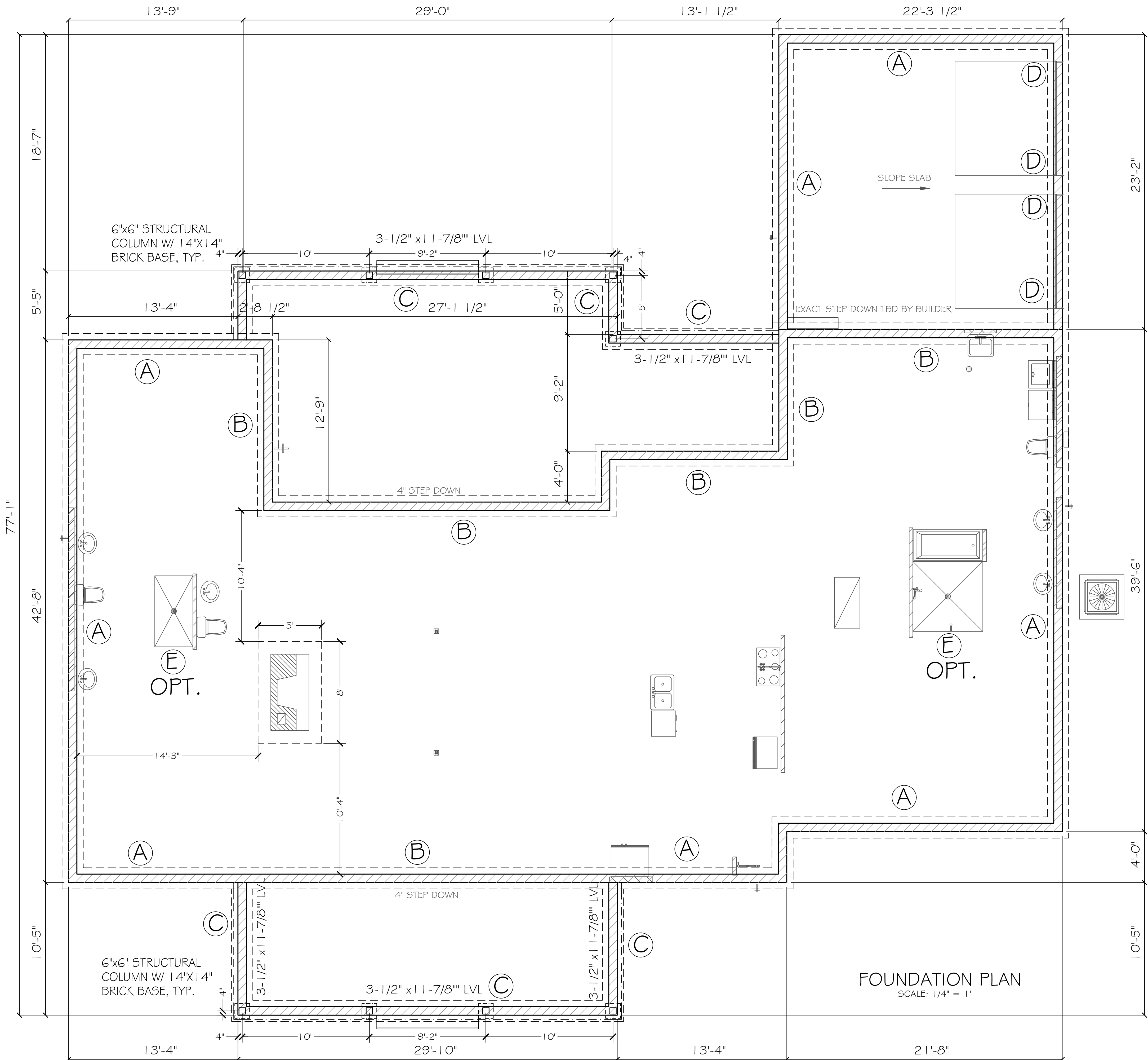


- DESIGN SPECIFICATIONS
- DESIGN CODES:
 - 2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
 - OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
 - DESIGN LOADS:
 - ROOF CONVENTIONAL FRAMING:
 - LL 20 PSF RAFTERS
 - LL 20 PSF CEILING JOISTS
 - DL 10 PSF RAFTERS
 - DL 10 PSF CEILING JOISTS
 - 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-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 CGP1 ±



- 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/ 6x6x14/14 WELDED WIRE MESH PLACED ON CHAIRS 12" DEPTH OR FIBER MESH CONCRETE, 6 MIL POLY VAPOR BARRIER w/ 6" VAPOR SEALD w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL
 - BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL
 - SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI.



Digitally signed by
Carol Chadwick
DN: cn=US,
o=Florida,
dnQualifier=A01410
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7500032FEE,
cn=Carol Chadwick
Date: 2025.01.30
155233-05007

This item has been digitally signed and sealed by Carol Chadwick, P.E., on the date apparent to the seal. Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

NORTON RESIDENCE FOUNDATION PLAN 6788 SW SR 247, LAKE CITY, FL	
DATE: 01/30/2025 DRAWN BY: JCN CHECKED BY: JCN	REVISIONS NO. DESCRIPTION 1.0 FOUNDATION PLAN
DESIGNED FOR: JAMISON & ALEC NORTON 3565 4656 2232 jamisonnate@ps@yahoo.com	
REGISTERED FOR: CAROL CHADWICK, P.E. No. 155233-05007 DATE OF EXPIRATION: 12/31/2025 FLORIDA PROFESSIONAL ENGINEER	

SOFFIT TABLE VENT SPECS

Double 5" perforated soffits have a 6.20 sq. inches/sq. foot rating

Triple 4" center vent soffit has a 1.956 sq. inches/sq. foot rating

Triple 4" full vent soffit 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 4.79 sq. inches/sq. foot rating

Beaded hidden vent soffit has 2.66 sq. inches/sq. foot rating

Triple 3-1/3" hidden vent soffit has a 9.19 sq. inches/sq. foot rating

ridge vent

engineered 2x4 truss system

metal roofing, min 29 ga

Baffle

5DWC15600 at each truss or as required by truss designer

R30 batt/blown-in fiberglass insulation over 1/2" drywall taped and sanded

Siding over vapor barrier over 7/16" Windboard O.S.B. nailed from bottom plate to top of double top plate with 8d @ 4" o.c. on edge and 6" o.c. in field as per condition 2

1/2" drywall over R-13 batt insulation

1'-4"

install one simpson sph4 each side of all openings top and bottom of wall

p.t 2x6 bottom plate w/sill sealant

5/8x10" HD Titen bolts 24" o.c. w/ 3"x3"x1/8" washer at each bolt

1'-#5 rebar continuous

finish grade

4" concrete slab w/ 6x6x10/10 wwm over 6 mil. vapor barrier over clean compacted, treated fill and wall section

1'-8"

1'-0"

(TYPICAL DOUBLE PLATE SPACE)
48" MINIMUM SPICE LENGTH
MINIMUM NAILING OF G-6 @
0.131' x 3" NAILS IN THIS ZONE.

TYPICAL STUD TO DOUBLE PLATE CONNECTION

JOINT IN LOWER PLATE

JOINT IN UPPER PLATE

NAIL EACH PLY OF KING AND JACK STUDS TOGETHER WITH 0.131' x 3" NAILS @ 6" O.C. STAGGERED

TYPICAL FRAMING AT CHANGE IN PLATE HEIGHT

5/8" I / G INSTALLED HORIZONTALLY

2x4 SPP #2 STUDS @ 16" O.C.

STUD TO PLATE NAILING

STUD SIZE	END NAIL	TOE NAIL
2X4	(2)	(3)
2X6	(3)	(4)
2X8	(4)	(5)
2X10	(5)	(6)

DOUBLE SILL REQUIRED WHERE OPENING WIDTH EXCEEDS 6' (U.O.N.)

BUILT-UP HEADER WITH 0.131' x 3 1/4" NAILS @ 12" O.C. TOP AND BOTTOM (U.O.N.)

JACK STUD AND KING STUD REQUIREMENTS (SEE WALL LAYOUT)

NAILING AT STUD TO SILL PLATE

ANCHOR BOLT 24" O.C. MAX 12" MAX FROM CORNER OR JOINT

BUILT-UP POST (WHEN NOTED ON WALL LAYOUT) NAIL EACH PLY WITH 0.131' x 3 1/4" NAILS @ 6" O.C. STAGGERED

2x4 TREATED TYP #2 SILL PLATE

TYPICAL STUD TO SILL PLATE CONNECTION

4" MIN.
12" MAX.

ALL NAILS NOTED ARE 0.131' x 3 1/4"

HEADER TO KING NAILING

2x6	(3) NAILS PER PLY
2x8	(4) NAILS PER PLY
2x10	(5) NAILS PER PLY
2x12	(6) NAILS PER PLY
9 1/2" OR 9 1/4"	(5) NAILS PER PLY
11 7/8" OR 11 1/4"	(6) NAILS PER PLY
14" LVL	(7) NAILS PER PLY
16" LVL	(8) NAILS PER PLY

ROOF NOTES

ROOF PITCH LESS THAN 4/12 DOL. 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

D RIP 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



2x4 LADDER FRAMING REQ'D AT OVERHANGS OVER 12" - CONNECT W/2x4 NAILS TO TRUSS TOP CHORD

CONT. 2x4 W/ 2-1/2x6 NAILS

2x4 OUTLOOKERS AT 24" O.C. W/3x1/2x4 TOP-NAILED TO TRUSS TOP CHORD

7/16" OSB SHEATHING MIN. OVER GABLE END TRUSS-CONNECT W/8d NAILS AT 6" O.C. IN FIELD & 4" O.C. ON GABLE END FACE OF SHEATHING TRUSS W/ FRAMED WALL/PROVIDE 1/8" SPACE BTWN PANELS

GABLE END ROOF TRUSS

CONNECTOR STRAP LST1A-1 NAILED W/10d NAILS @ 4x5 O.C.

DBL 2x4 TOP PLATE

2x4 CONT. BLOCKING

H2.5A HURRICANE CLIP AT TRUSS ENDS

GYPSTUM CEILING DIAHRM NAILING @ INTERIORS

2x4 BLOCKING AT 48" O.C. MAX. FROM GABLE END BACK 8'-0" BETWEEN TRUSS TOP CHORDS

2x4 "T" OR 1" STRONGBACK AT GABLE VERTICAL LONGER THAN 48" TO CONNECT W/1/2x6 NAILS AT 12" O.C.

STRUCTURAL ROOF SHEATHING. SEE ROOF RAILING PLAN.

PROVIDE 2x2x4 STRONGBACK OF GABLE TRUSS 1/2x6 NAILS AT EACH 2x4 AND 2x4 JOINT

2x4 DIAG. X-BRACING W/3x1/2x6 NAILS AT EACH 2x4 AND 2x4 JOINT

BRACING SCHEDULE

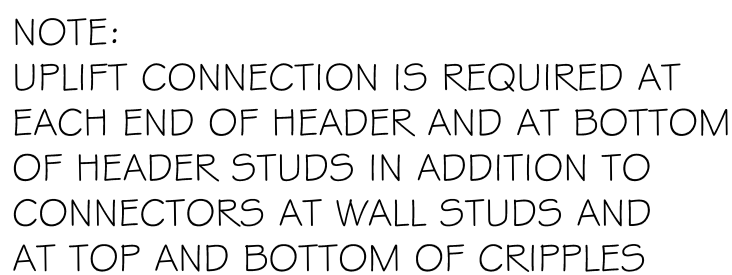
2x4 FRAMED WALL (SEE WALL DETAILS)

SPAN GREATER THAN 20 FT. BRACING REQUIRED @ 20 FT. TO 20' (3) PAIR AT 1/4 TFS. LESS THAN 10 FT. NO BRACING REQ'D.

Diagram illustrating the components and specifications for a wall header assembly:

- SDWC 15450 ON BOTH SIDES OF HEADER IN KING STUD TOP AND BOTTOM AND EVERY 4" O.C. IN HEADER TOP PLATE**
- JACK STUDS**
- FULL LENGTH WALL STUDS**
- TYPICAL HEADER STRAPPING-UNLESS NOTED OTHERWISE IN SPECIFIC LOCATIONS**
- ANCHOR BOLTS OR HD TITENS MAY BE LOCATED AT EITHER SIDE OF KING STUDS-PLATE MUST BE CONTINUOUS**
- ANCHOR BOLTS OR HD TITENS MUST BE WITHIN 12" OF HEADER STUDS AND BREAKS IN P.T. PLATE EACH SIDE AND WITHIN 12" OF END**
- 5/8" X 10" ANCHOR BOLTS OR 5/8" X 10" HD TITEN AT 24" O.C. OF FA-3 AT 24" O.C.**

UPLIFT CONNECTIONS REQUIRED AT POINT "A" (TOP & BOTTOM OF CRIPPLES) UPLIFT LOAD PER FRAMING MEMBER ABOVE THE HEADER MULTIPLIED BY THE NUMBER OF FRAMING MEMBERS DIVIDED BY TWO



NUMBER OF HEADER STUDS
SUPPORTING END OF HEADER

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 8'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 12's	2 - 2 X 10's

NUMBER OF FULL LENGTH
STUDS AT END OF HEADER

2

Digitally signed by
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