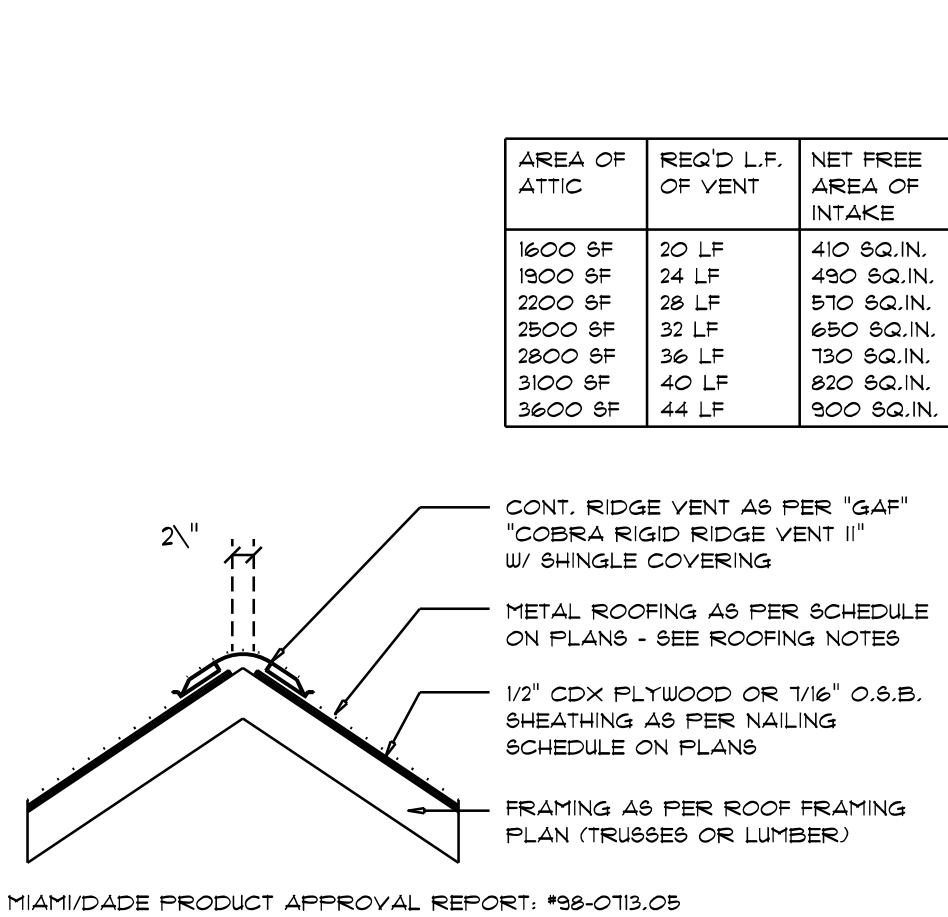


ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0178	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

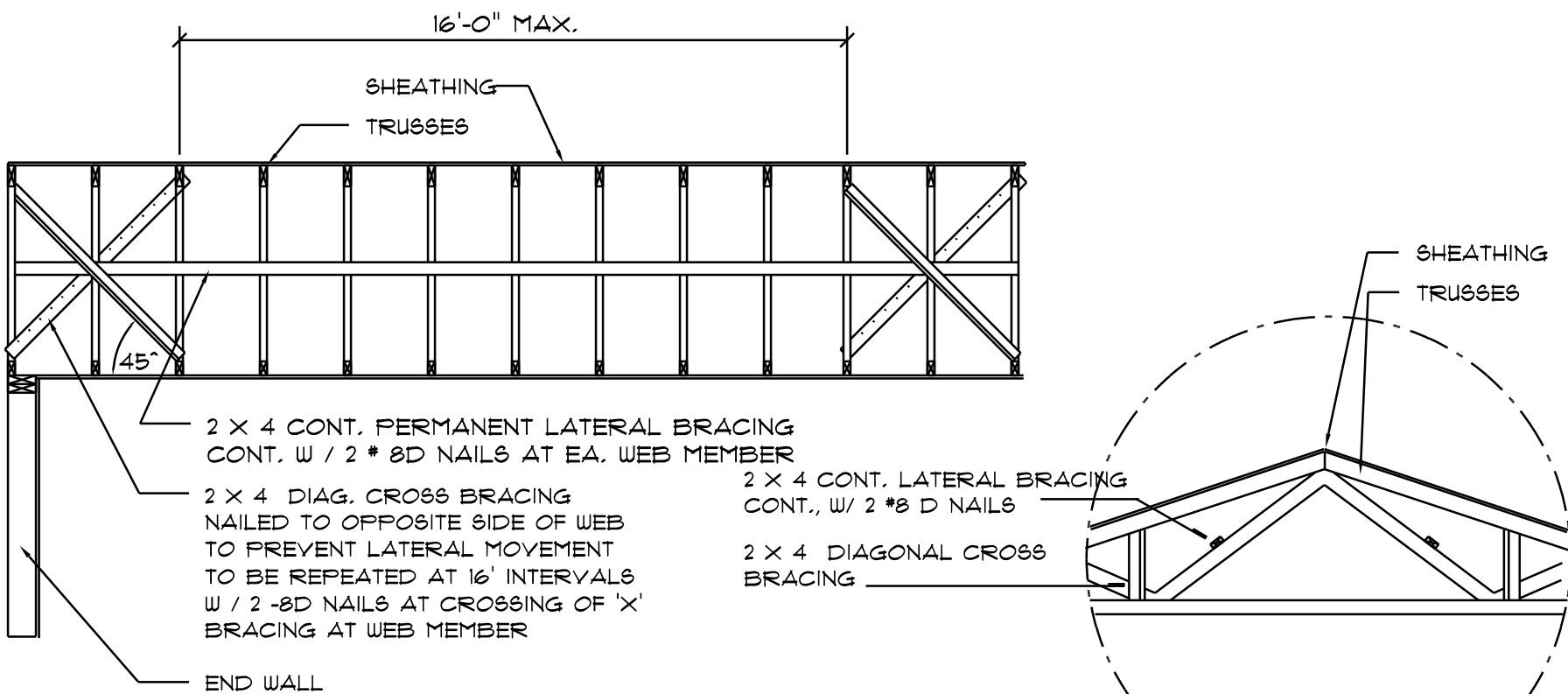
SCALE: NONE

A



Ridge Vent DETAIL

SCALE: 3/4" = 1'-0"



TYP. PERMANENT TRUSS BRACING DIA.

NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

General Roofing NOTES:

DECK REQUIREMENTS:

METAL PANELS MUST BE FASTENED TO 1x4 FURRING FURLINS OR 1/2" PLYWOOD

CAULKING:

MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL:

METAL PANELS SHALL BE MIN. 28 GAUGE AND COMPLY WITH ASTM A-792 AND D 7-98

FASTENERS:

FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #3 X 1 1/2" HEX HEAD.

ATTACHMENT:

METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 330 OR FA 125.

BASE AND CAP FLASHINGS:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS.

1. RC-1 - RIDGE CAP
2. ED-1 - EAVE DRIP
3. EF-3 - EAVE FLASHING
4. SW-1 - SIDEWALL FLASHING
5. EW-1 - ENDWALL FLASHING
6. GR-4 - GABLE END OR RAKE BOARD FLASHING
7. TF-1 - TRANSITION FLASHING
8. PV-2 - PREFORMED VALLEY FLASHING
9. BUTYL TAPE
10. SEALANT TAPE
11. PIPEBOOT

UNDERLAYMENT APPLICATION:

UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

1. STARTING AT THE EAVE, A 18 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 18 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

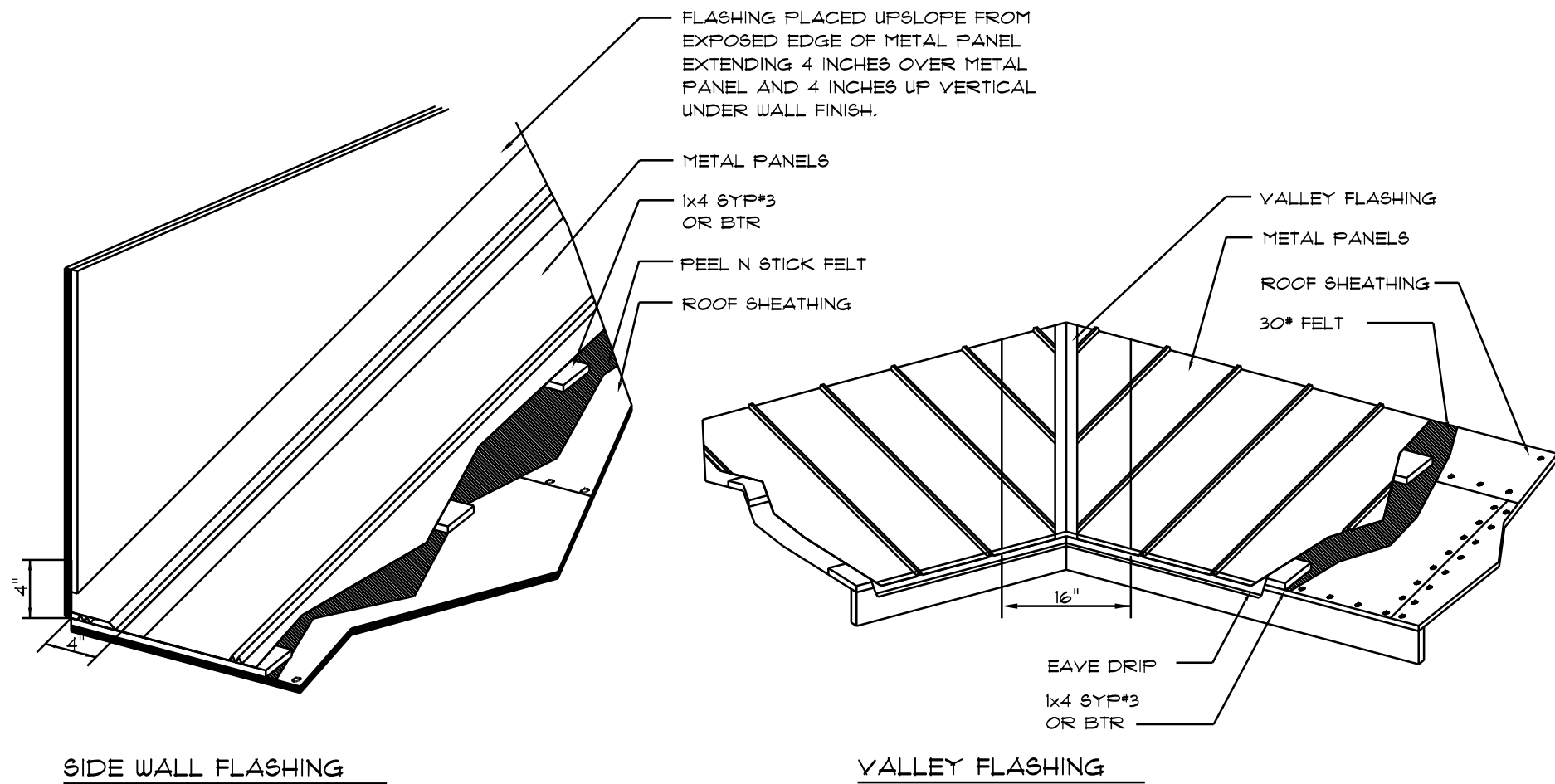
BASE AND CAP FLASHINGS:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.018 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.018 INCH.

VALLEYS:

VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1B01.3.9.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
 1. BOTH TYPES 1 AND 2 ABOVE COMBINED.
 2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
 3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1910.



SIDE WALL FLASHING

VALLEY FLASHING

METAL ROOFING. DET.

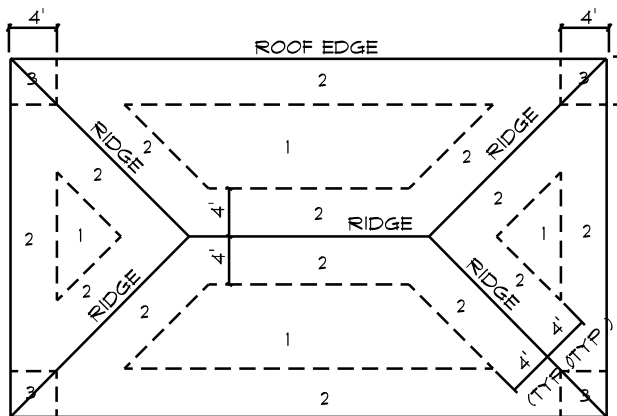
SCALE: NONE

8M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES									
MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C"									
ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110		120 - 130		140 - 150	
				O/C SPACING	TRIM	O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	#12 X 1"	< 18 GA	36"	18"	24"	12"	24"	12"
#14 X 7/8"		> 18 GA							
2 & 3	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	#12 X 1"	< 18 GA	36"	18"	24"	12"	24"	8"
#14 X 7/8"		> 18 GA							

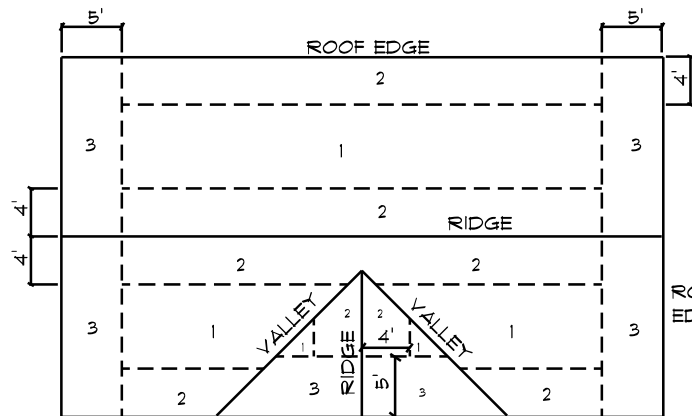
		45° 21° 0°		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE "T" TO "21"					
WIND NO.	WIND DIR.	WIND SPEED	WIND DIRECTION	VULT 110 MPH	VULT 120 MPH	VULT 130 MPH	VULT 140 MPH	VULT 150 MPH	VULT 160 MPH
1	10	10	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3	23.1 / -35.8	25.9 / -38.3
1	20	20	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4	21.1 / -30.2	23.6 / -32.7
1	30	30	30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2	18.3 / -34.4	20.5 / -38.6
2	10	10	10	12.5 / -34.1	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2	23.1 / -64.0	25.9 / -71.8
2	20	20	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7	21.1 / -58.8	23.6 / -65.9
2	30	30	30	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7	18.3 / -51.9	20.5 / -58.1
3	10	10	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1	23.1 / -95.6	25.9 / -108.1
3	20	20	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7	21.1 / -88.4	23.6 / -99.1
3	30	30	30	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5	18.3 / -80.2	20.5 / -90.0
4	10	10	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2	40.2 / -43.4	45.1 / -48.6
4	20	20	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7	38.4 / -41.8	43.1 / -46.9
4	30	30	30	19.5 / -21.5	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6	36.0 / -39.0	40.4 / -43.8
5	10	10	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2	40.2 / -54.7	45.1 / -69.2
5	20	20	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	38.4 / -50.0	43.1 / -56.0
5	30	30	30	19.5 / -24.6	23.2 / -28.3	27.2 / -33.0	31.6 / -37.8	36.0 / -42.6	40.4 / -47.4

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.47
20	.89	1.28	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 6 in. o.c. FIELD
2	1/16" O.S.B. OR 15/32 CDX	2 1/2"x0.131" RING SHANK NAILS OR 3"x0.120" RING SHANK NAILS	6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (HIP ROOF)



ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Hip Construction, Wood Trusses @ 24" O.C.
Walls:	8" CMU Block
Floor:	4" Thk. Concrete Slab w/ Fibermesh Concrete Additive
Foundation:	Continuous Footer/Stem Wall
ROOF DECKING	
Material:	1/2" CDX Plywood or 1/16" O.S.B.
Sheet Size:	48"x96" Sheets Perpendicular to Roof Framing
Fasteners:	Ring Shank Nails per schedule on sheet 5.3
HURRICANE UPLIFT CONNECTORS	
Truss Anchors:	SIMPSON METAL 16 / 42.5a @ Ea. Truss End (Typ. U.O.N.)
Porch Column Base Connector:	Simpson ABUB8/ABU66 @ each column
Porch Column to Beam Connector:	Simpson PC28/MST424 @ each column
FOOTINGS AND FOUNDATIONS	
Footings:	20"x10" Cont. W/2"x5 Bars Cont.
Stemwall:	8" C.M.U. W/1"x5 Vertical Dowel @ 48" O.C.

REVISIONS
Mar. 20th, 2024

CUSTOM HOME FOR:
HARLOW RESIDENCE
COLUMBIA COUNTY, FLORIDA

RIDGEPOINT DESIGN
366 SW ARLINGTON BLVD. STE 101 LAKE CITY, FL 32805
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1158 NW Broom Rd.
Lake City, FL 32829



SHEET NUMBER
S.3
OF 4 SHEETS

Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER email = ngeisler47@gmail.com C = US O = AR0007005
OU = N.P. GEISLER
Date: 2024.03.25 12:16:26 -0500

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