

General Roofing NOTES:

DECK REQUIREMENTS:
METAL PANELS MUST BE FASTENED TO 1x4 FURRING PURLINS 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. 29 GAUGE AND COMPLY WITH ASTM A-792 AND D 1-98

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 930 OR FA 125.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFR'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. TR-1 - TRANSITION FLASHING
8. PV-2 - PREFORMED VALLEY FLASHING
9. BUTYL TAPE
10. SEALANT TAPE
11. PIPEBOOT

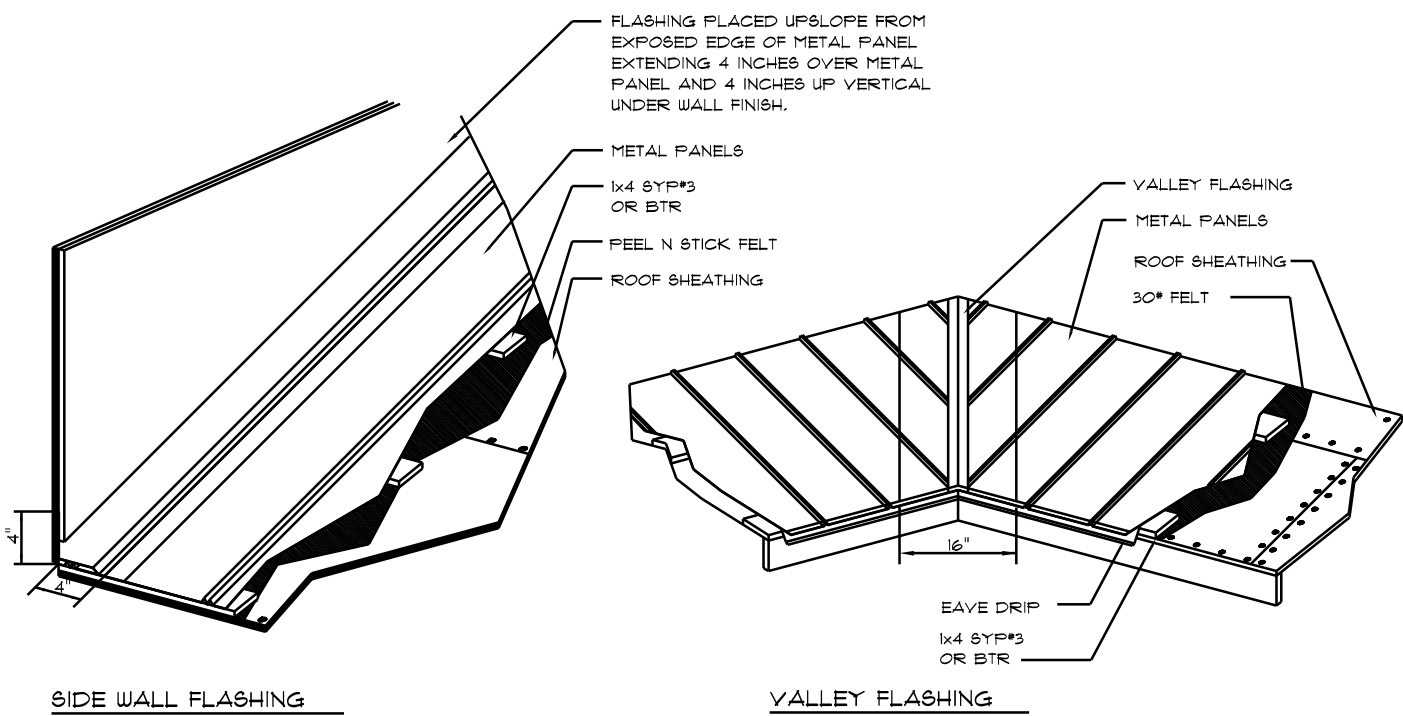
UNDERLAYMENT APPLICATION:
UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE
APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO
STAY IN PLACE.

2. STARTING AT THE EAVE, 3/8 INCH WIDE STRIPS OF UNDERLAYMENT FELT
SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND
FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFR'S
INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION
RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL
SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 71 LBS PER 100 SQUARE
FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM
NOMINAL THICKNESS OF 0.019 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.

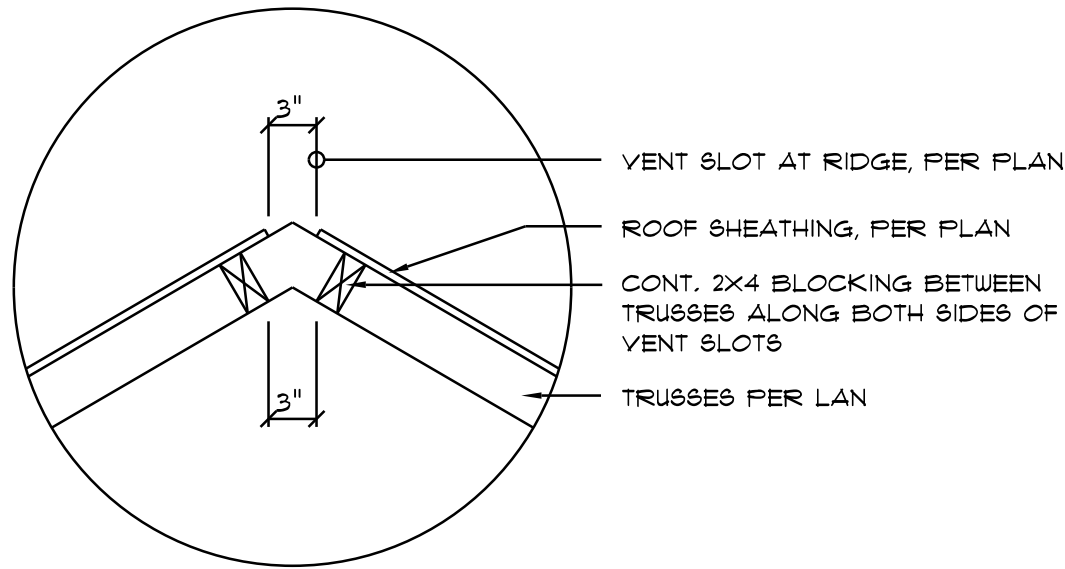
1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE
AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS
IN FBC TABLE 1501.3.3.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLYS OF MINERAL SURFACE
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 19
INCHES AND THE TOP LAYER A MINIMUM 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 1930.



METAL ROOFING. DET.

SCALE: NONE

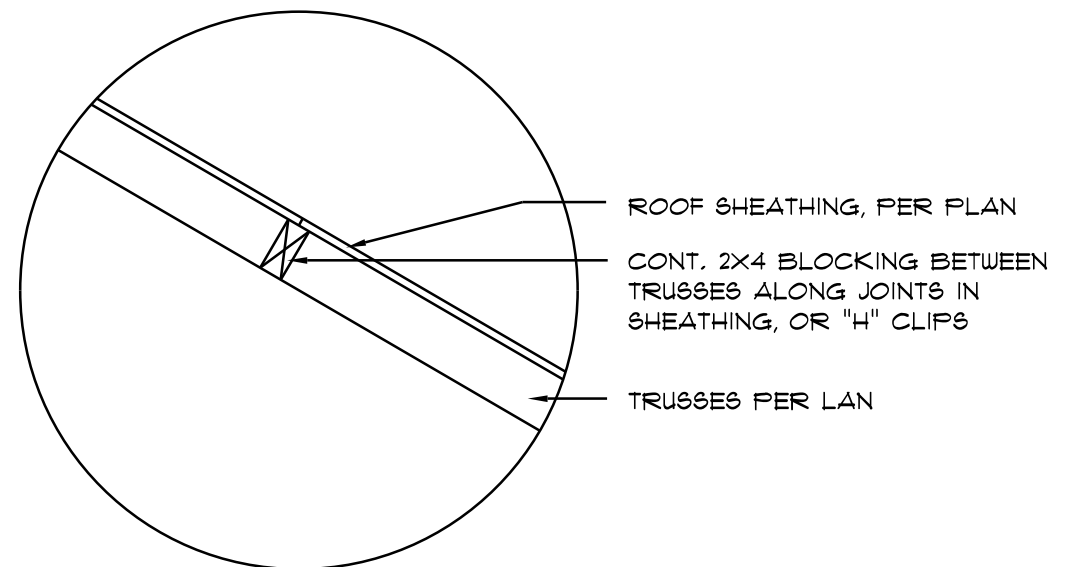
5M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES							
MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ 30' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 1-98, EXPOSURE 'C'							
ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110		120 - 130	
				O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"
	MTL. SCR.	#12 X 1 1/2" #14 X 1 1/8"	CLB GA 2 LB GA	36"	18"	24"	12"
2 & 3	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"
	MTL. SCR.	#12 X 1 1/2" #14 X 1 1/8"	CLB GA 2 LB GA	36"	18"	24"	12"



Vent DETAIL

SCALE: NONE

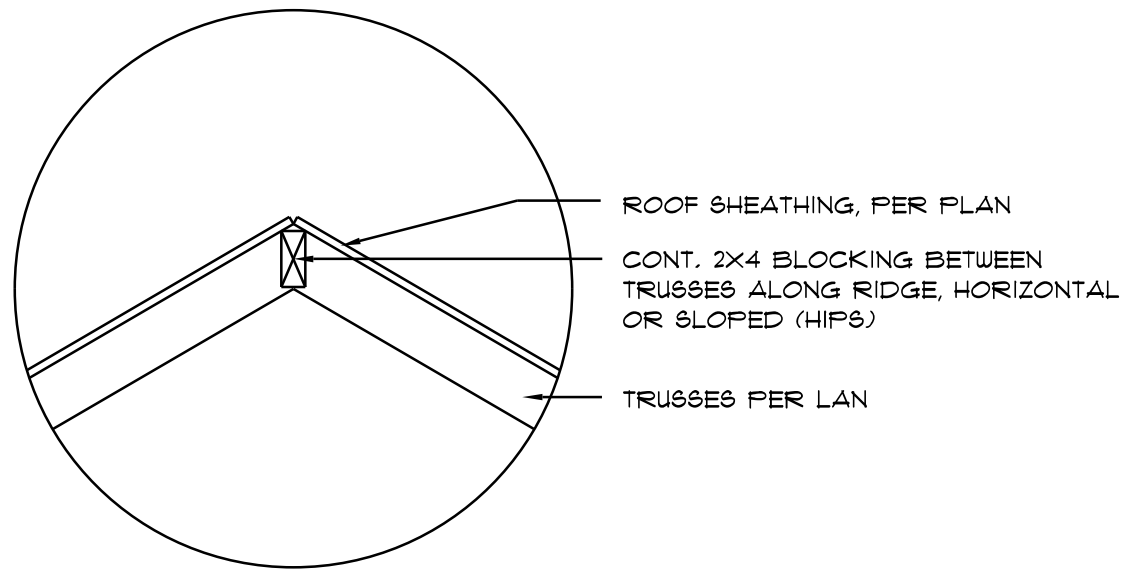
A1



Joint DETAIL

SCALE: NONE

A2



Ridge DETAIL

SCALE: NONE

A3

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5a or SDUC15600	600*
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785*
HEADER TO KING STUD(S):	SIMPSON ST22	1370*
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
STUD TO GILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
FORCH BEAM TO POST:	SIMPSON PC44 or (2) 5/8" LAG BOLTS Ea. POST	1700*
FORCH POST TO FND.:	SIMPSON ABU44	2200*
MISC. JOINTS	SIMPSON A34	315*/240*

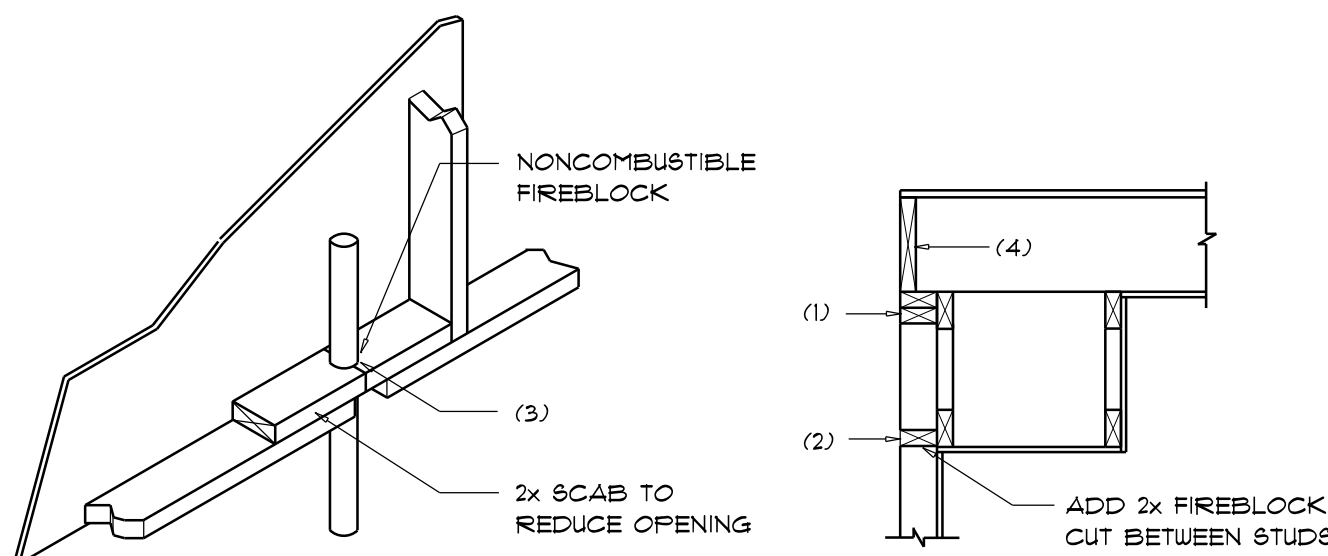
NOTE:
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE
MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/
JOINT REINFORCEMENT AND FASTENERS.

NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH
SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #35-0818.15

NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04
SBCCI NER-443, NER-393



PENETRATIONS

SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE
FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED
SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL
SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT
CEILING AND FLOOR LEVELS WITH "PYROFANEL MULTIFLEX SEALANT"
4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR
PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY
OF FLOOR JOISTS. FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH
OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

A

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Gable Construction, Wood Trusses @ 24" O.C.
Walls:	2x6 Wood Studs @ 16" O.C.
Floor:	4" Thk. Concrete Slab w/ Fibermesh Concrete Additive
Foundation:	Continuous Footer/Stem Wall
ROOF DECKING	
Material:	1/2" CDX Plywood or 1/8" O.S.B.
Sheet Size:	48"x96" Sheets Placed Perpendicular to Roof Framing
Fasteners:	.113 RING SHANKED Nails per schedule on sheet 5.4
SHEARWALLS	
Material:	1/16" O.S.B. WINDSTORM BOARD
Sheet Size:	48"x96" Sheets Placed Vertical
Fasteners:	.113 COMMON Nails @ 4" O.C. Edges @ 8" O.C. Interior
Dragstrut:	Double Top Plate (S.T.P.) w/ 16d Nails @ 12" O.C.
Wall Studs:	2x6 Studs @ 16" O.C.
HURRICANE UPLIFT CONNECTORS	
Truss Anchors:	SIMPSON H2.5a @ Ea. Truss End (Typ. U.O.N.)
Wall Tension:	Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts:	1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Device:	(1) HDBs @ each corner
Porch Column Base Connector:	Simpson ABU66 @ each column
Porch Column to Beam Connector:	Simpson M5TA20 (2 ea. side) or Simpson EPC66 or 2 - 5/8" thru bolts
FOOTINGS AND FOUNDATIONS	
Footings:	20"x10" Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.
Stemwall:	8" C.M.U. w/ 1x5 Vertical Douel @ 48" O.C.
Int. Footings:	12"x12" x Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.

BUILDING COMPONENTS & CLADDING LOADS		MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"		ROOF ANGLE T° TO 21°	
WIND SPEED	WIND DIRECTION	Vult 100 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
1	10	12.0 / -19.9	14.9 / -23.1	17.5 / -27.8	20.3 / -32.3
	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
	30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	40	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
2	10	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
	20	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	30	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	40	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
3	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
	30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	40	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
	40	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
5	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
	40	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.47
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA, 8th EDITION
BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND
SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION
AT TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "B"

BASED ON ASHRAE 1-22, 2023 FBC 1609-A WIND VELOCITY: V_{ULT} = 130 MPH
V_{ASD} = 101 MPH

3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL 40 PSF
BALCONIES 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

REVISIONS	Apr. 11th, 2025

CUSTOM HOME FOR:

WEBB RESIDENCE

466 SW Jeanlea Pl, Fort White, FL 32038

NICHOLAS PAUL GEISLER ARCHITECT

1758 NW Brown Rd.
Lake City, FL 32055
(386) 755-5021

N.C.A.R.B. Certified

SHEET NUMBER

S.3

OF 4 SHEETS

Nicholas Geisler

Digitally signed by Nicholas Geisler
Date: 2025.04.22 15:17:53 -04'00'

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