#### TYPE OF CONSTRUCTION

Roof: Hip Construction, Wood Trusses @ 24" O.C.

Walls: 2x4 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Additive

Floor: 4" Thk, Concrete Slab W/ Fibermest Foundation: Continuous Footer/Stem Wall

## ROOF DECKING

Material: 1/2" CDX Plywood or 7/16" O.S.B.

Sheet Size: 48" v96" Sheets Perpendicular to Roof Francis

## Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: 8d Ring Shank per schedule on sheet 5.4

#### SHEARWALLS

Material: 7/16" O.S.B. WINDSTORM BOARD

Sheet Size: 48"x96" Sheets Placed Vertical
Fasteners: 8d Common Nails @ 4" O.C. Edges \$ 8" O.C. Interior

Dragetrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Wall Stude: 2x4 Stude @ 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 12"-16" from corner

Corner Hold-down Device: (1) HTT5 @ each corner

Porch Column Base Connector: Simpson ABU66 @ each column

Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column

#### FOOTINGS AND FOUNDATIONS

Footing:  $20" \times 12" \times CONT.$ , CONCRETE FOOTING W/ 2 \*5 REBAR.

Int. Footings:  $12" \times 12" \times Cont.$  W/ 2 - \*5 Bars Cont. on wire/plastic chairs @ 48" o.c.

#### 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 CATAGORY: 2, EXPOSURE: "B"

BASED ON ANSI/ASCE 7-22. 2023 FBC 1609-A WIND YELOCITY: YULT = 130 MPH

#### 3. ROOF DESIGN LOADS: SUPERIMPOSED DEAD LOAD

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

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

### TERMITE PROTECTION NOTES

### SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-O"
AWAY FROM BUILDING SIDE WALLS, FBC 1503,4,4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-O" FROM BUILDING SIDE WALLS, FBC 1503,4,4

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".

EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8"

THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403,1,6

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND

BACKFILL IS COMPLETE, FBC 1816.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED, FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

9. CONCRETE OYERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE

OR GRADE WITHIN 1'-O" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT.

13. A CERTIFICATE OF COMPLIANCE MUST BE 165UED TO THE BUILDING DEPARTMENT BY \* LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE 165UED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-O" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-O" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

#### FRAMING ANCHOR SCHEDULE

MANUF'R/MODEL APPLICATION CAP, TRUSS TO WALL: 600# SIMPSON H2.5a or SDWC15600 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 SILL: NO CONNECTION REQ. WHEN USING WINDSTORM BOARD PORCH BEAM TO POST: 1700# SIMPSON PC66/EPC66 PORCH POST TO FND .: 2200# SIMPSON ABUGG

SIMPSON A34

#### NOTE.

MISC, JOINTS

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.

OTE:

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 \*95-0818,15

MIAMI/DADE COUNTY REPORT \*95-0818.

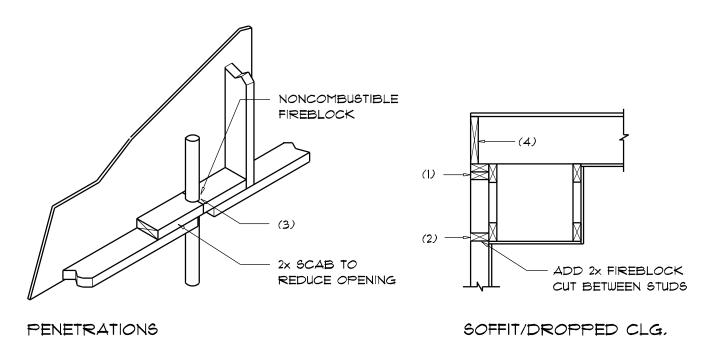
SBCC1 NER-443, NER-393

"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #91-0107.05, #96-1126.11, #99-0623.04

BUILDING COMPONENTS & CLADDING LOADS  27' MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"  ROOF ANGLE T' TO 2T'								
	ZONE	AREA	Yult 110 MPH	Vult 120 MPH	Yult 130 MPH	Vult 140 MPH		
T	1 1 1	g & ō	12.0 / -19.9 11.4 / -19.4 10.0 / -18.6	14.9 / -23.7 13.6 / -23.0 11.9 / -22.2	17.5 / -27.8 16.0 / -27.0 13.9 / -26.0	20.3 / -32.3 18.5 / -31.4 16.1 / -30.2		
ROOF 1' TO 2T	2 2 2	<u>0</u> 20 50	12.5 / -34.7 11.4 / -31.9 10.0 / -28.2	14.9 / -41.3 13.6 / -38.0 11.9 / -33.6	17.5 / -48.4 16.0 / -44.6 13.9 / -39.4	20.3 / -56.2 18.5 / -51.7 16.1 / -45.7		
	3 3 3	O 20 50	12.5 / -51.3 11.4 /-47.9 10.0 / -43.5	14.9 / -61.0 13.6 / -57.1 11.9 / -51.8	17.5 / -71.6 16.0 / -67.0 13.9 / -60.8	20.3 / -83.1 18.5 / -77.7 16.1 / -70.5		
WALL	4 4 4	10 20 50	21.8 / -23.6 20.8 / -22.6 19.5 / -21.3	25.9 / -34.7 24.7 / -26.9 23.2 / -25.4	30.4 / -33.0 29.0 / -31.6 27.2 / -29.8	35.3 / -38.2 33.7 / -36.7 31.6 / -34.6		
	555	10 20 50	21.8 / -29.1 20.8 / -27.2 19.5 / -24.6	25.9 / -34.7 24.7 / -32.4 23.2 / -29.3	30.4 /-40.7 29.0 / -38.0 27.2 / -34.3	35.3 / -47.2 33.7 / -44.0 31.6 / -39.8		

#### HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

ᆫ							
	BLDG	EXPOSURE	EXPOSURE	EXPOSURE			
	HEIGHT	"B"	"C"	"D"			
	15	.82	1.21	1.47			
	20	.89	1.29	1.55			
	25	.94	1.35	1.61			
	30	1.00	1.4 <i>0</i>	1.66			



## FIREBLOCKING NOTES:

FOLLOWING LOCATIONS:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE

- 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 "PYROPANEL 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





# REVISIONS June 5th, 2024

## General Roofing NOTES:

#### DECK REQUIREMENTS:

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

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

METAL PANEL:

METAL PANELS SHALL BE MIN. 29 GUAGE AND COMPLY WITH ASTM A-792 AND D 7-98

#### FASTENERS:

315#/240#

FASTENERS:
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED

## WOOD FAST SCREW, MINIMUM OF #9 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

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

2 \$ 3 | WD, SCREW

#9 × 1 1/2"

WOOD

| < 18 GA

\*14 × 7/8" > 18 GA

I. RC-I - RIDGE CAP

WITH ASTM E 330 OR PA 125.

- 2. ED-1 EAVE DRIP
- 3, EF-3 EAVE FLASHING
- 4. SW-1 SIDEWALL FLASHING
- 5. EW-I 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
- IO, SEALANT TAPE

#### 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, 36 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:

WITH ASTM D 1970.

24"

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 O.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF TILBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF O.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.

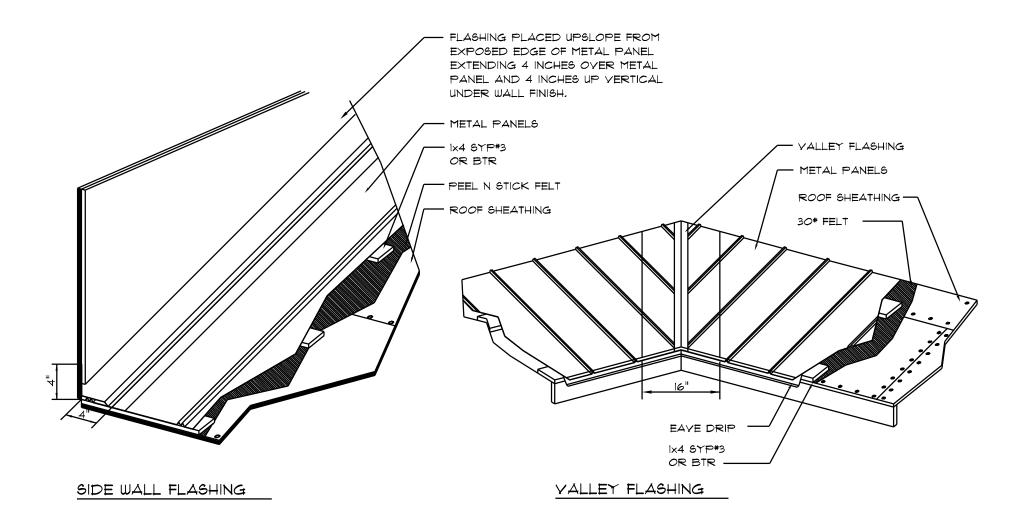
- 1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.
- 2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
  3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
- 1. BOTH TYPES I 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

24"

24"

SM-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR YARIOUS WIND YELOCITIES MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C" 100 - 110 120 - 130 140 - 150 ROOF | FASTENER FASTENER PLACEMENT TRIM 0/0 TRIM 0/0 TRIM 0/0 ZONE SPACING SPACING SPACING 24" 24" WD, SCREW #9 × 1 1/2" WOOD | < 18 GA 24" 24" MTL, SCR, #14 × 7/8" > 18 GA



METAL ROOFING, DET,

SCALE: NONE

WEAVER RESIDEN

NICHOLAS
PAUL
GEISLER
ARCHITECT
ARCHITECT
(386) 755-9021

SHEET NUMBER

S.3

OF 4 SHEETS

Digitally signed by Nicholas P Geisler

P Geisler Date: 2024.11.15 13:13:08 -05'00'