

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. 29 GAUGE AND COMPLY WITH ASTM A-792 AND D 1-79

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 FIA 125.

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

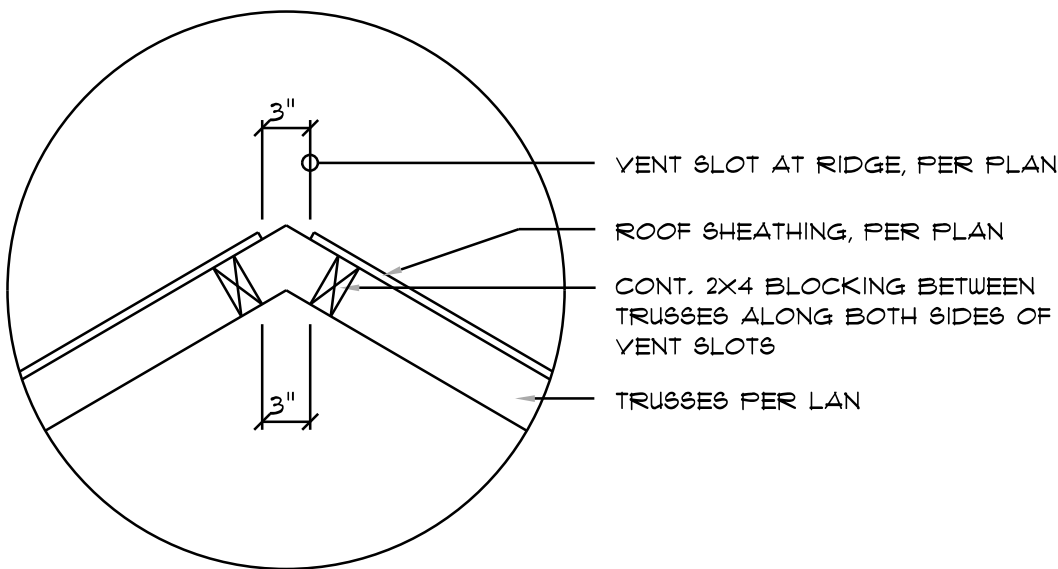
1. RC-1 - RIDGE CAP
2. ED-1 - EAVE DRIP
3. EF-3 - EAVE FLASHING
4. SW-1 - SIDEWALL FLASHING
5. EW-1 - ENDWALL FLASHING
6. GR-4 - GABLE END OR RAKE BOARD FLASHING
7. TF-1 - TRANSITION FLASHING
8. PV-2 - PREFORMED VALLEY FLASHING
9. BUTYL TAPE
10. SEALANT TAPE
11. PIPEBOOT

UNDERLAYMENT APPLICATION:
UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 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:
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 0.019 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 0.019 INCH.

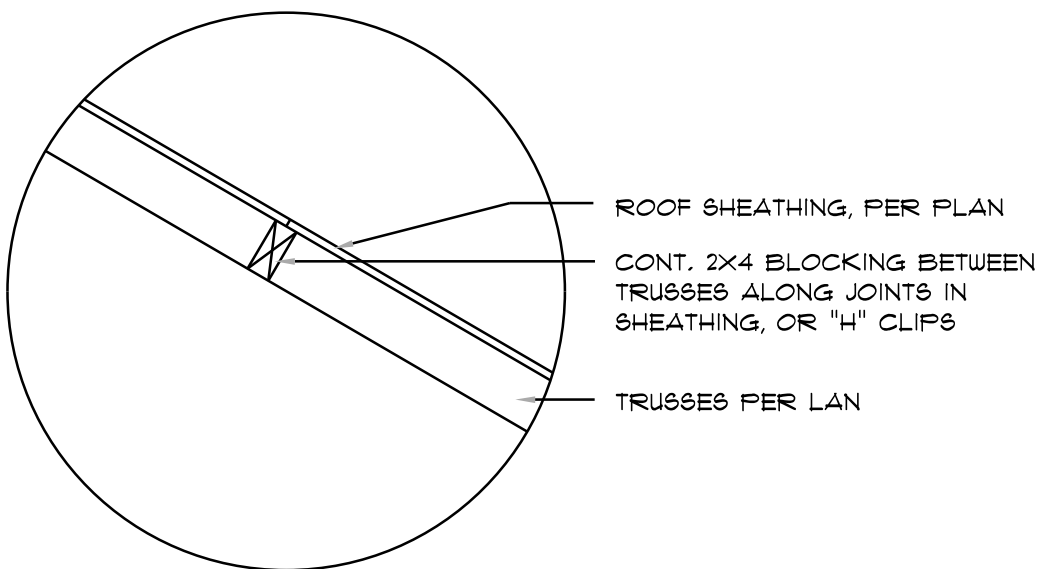
VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY
LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.
1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE
AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS
IN FBC TABLE 1501.3.3.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES 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 1910.



Vent DETAIL

SCALE: NONE

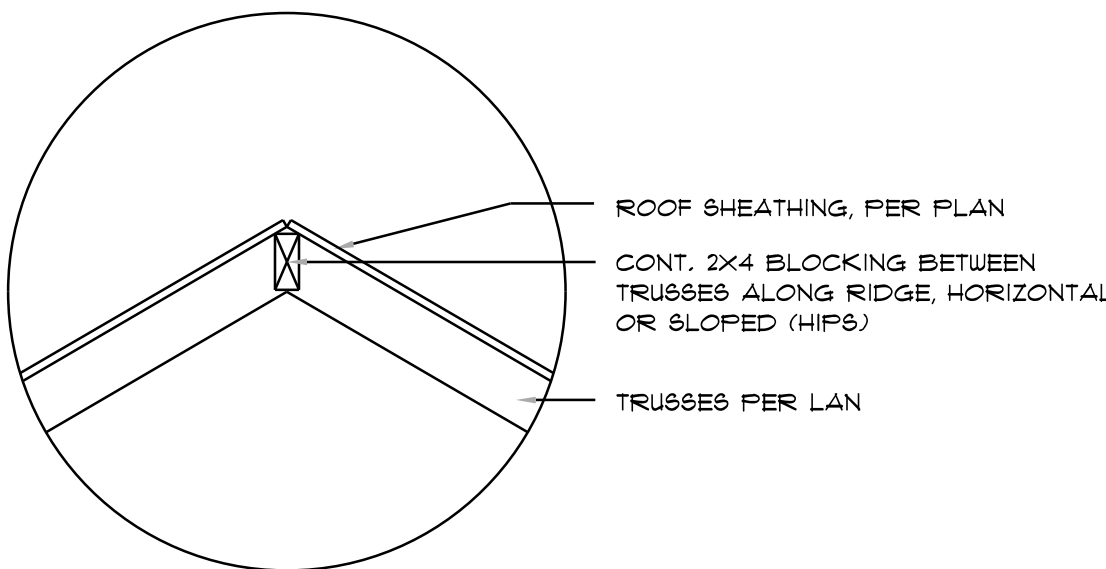
A1



Joint DETAIL

SCALE: NONE

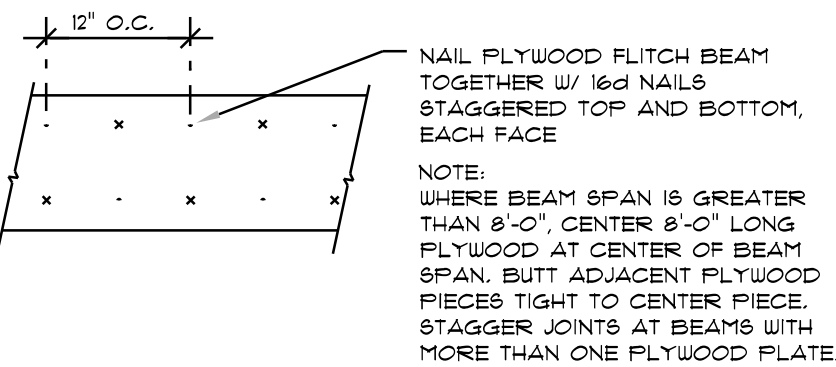
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Ridge DETAIL

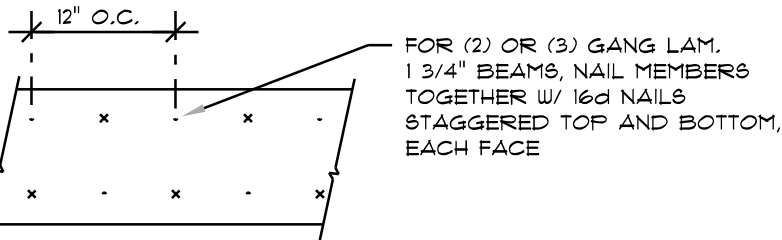
SCALE: NONE

A3



PLYWOOD FLITCH BEAM DETAIL

NOT TO SCALE



MULTIPLE GANG LAM. DETAIL

NOT TO SCALE

B/U Beam DETAILS

SCALE: NONE

B

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 SILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
PORCH BEAM TO POST:	SIMPSON FC44 or (2) 5/8" LAG BOLTS EA. POST	1700*
PORCH POST TO FND.:	SIMPSON ABU44	2200*
MISC. JOINTS	SIMPSON A34	315*/240*

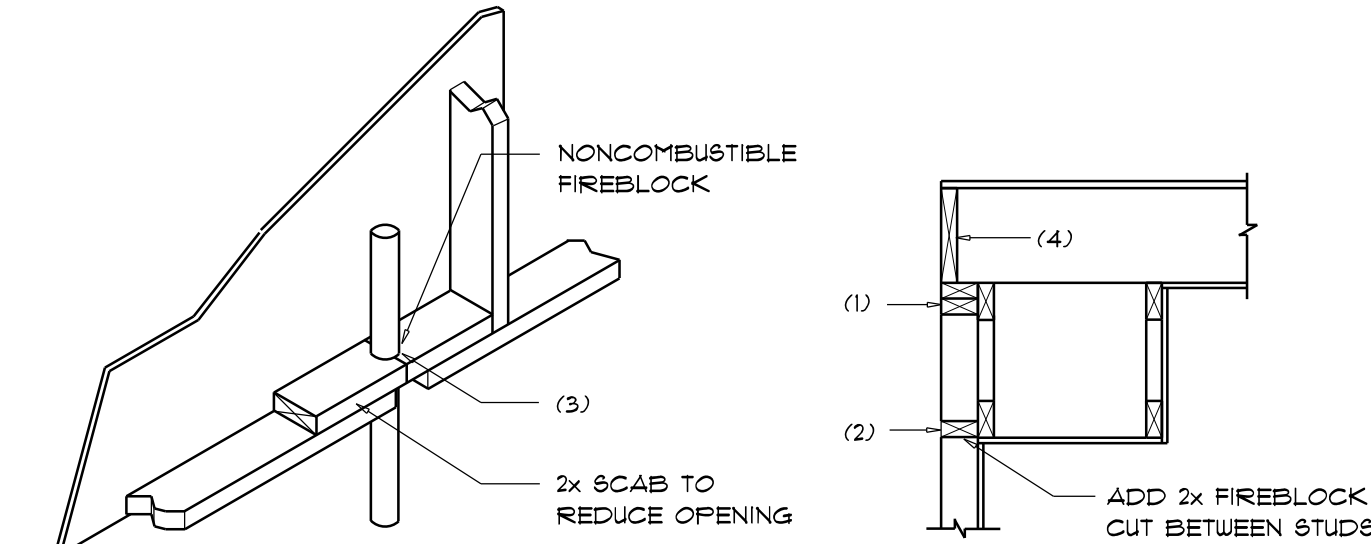
NOTE:
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE
MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

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 #31-0107.05, #36-1126.11, #93-0623.04
SBCCI NER-443, NER-393



PENETRATIONS

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 CEILING, COVE CEILING, ETC.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT
CEILING AND FLOOR LEVELS WITH "PYRO-PANEL 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

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE T TO 2T					
W Z N	W 4	W 4	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH	
1	10	20	12.0 / -19.9	14.9 / -23.7	17.9 / -27.8	20.3 / -32.3	
			11.4 / -18.4	13.6 / -22.0	16.0 / -27.0	18.5 / -31.4	
			10.0 / -16.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2	
2	10	20	12.5 / -34.7	14.9 / -41.3	17.9 / -48.4	20.3 / -56.2	
			11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7	
			10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7	
3	10	20	12.5 / -51.3	14.9 / -61.0	17.9 / -71.6	20.3 / -83.1	
			11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.1	
			10.0 / -43.9	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5	
4	10	20	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2	
			20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7	
			19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6	
5	10	20	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2	
			20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	
			19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8	

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

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 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: .113 RING SHANKED Nails per schedule on sheet 5.4

SHEARWALLS

Material: 7/16" 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.F.) 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 - Ed @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Devices: (1) HD5a @ 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/1-#5 Vertical Dowel @ 48" O.C.
Mono Footing: 20" x 12" X CONT., CONCRETE FOOTING w/ 2 #5 REBAR.
Int. Footings: 12"x 12" x 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 CATEGORY: 2, EXPOSURE: "B"
BASED ON ANSI/ASCE 7-22, 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: 40 PSF
RESIDENTIAL 40 PSF
BALCONIES 60 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'-0"
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'-0" 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.
FBC 1816.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT
AGAINST RAINFALL DILUTION IF RAINFALL OCCURS BEFORE VAPOR RET-
ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
9. CONCRETE OVERPOUR 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'-0" 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.
FBC 1816.1.7
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART-
MENT BY: * LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF
OCCUPANCY WILL BE ISSUED. 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 CONS-
UMER SERVICES". FBC 1816.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED
FROM BELOW AND WITHIN 1'-0" 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'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

REVISIONS
Aug. 8th, 2026

CUSTOM HOME FOR:
SESSONS RESIDENCE
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified

SHEET NUMBER
S.3
OF 4 SHEETS

Digitally signed
by Nicholas P
Geisler
Date: 2026.08.10
10:36:09 -04'00'

AR0007005

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED.
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