

## 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 1-98

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  
WITH ASTM E 330 OR F.A. 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

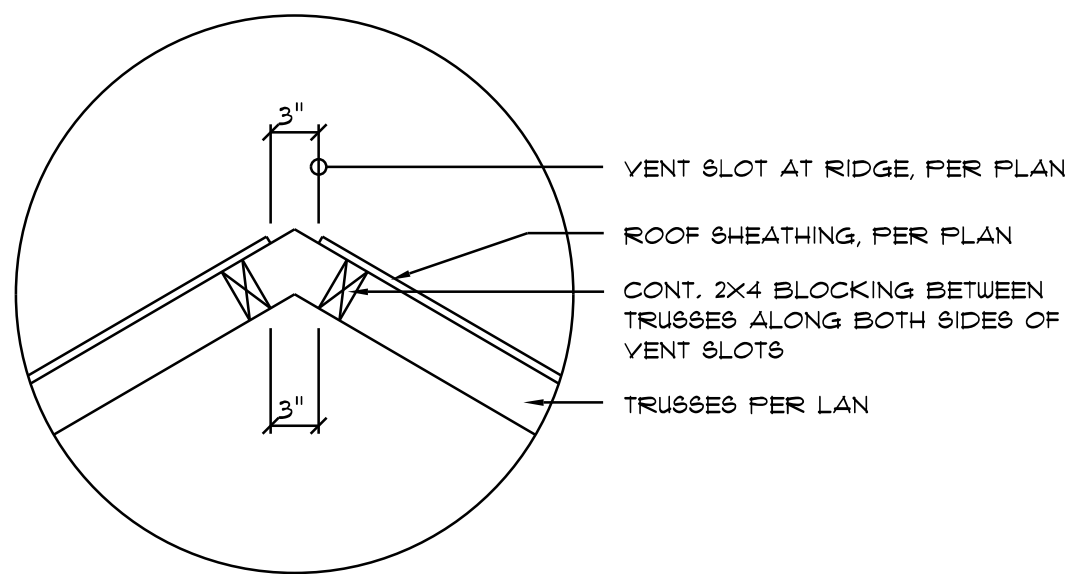
UNDERLAYMENT APPLICATION:  
UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

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:

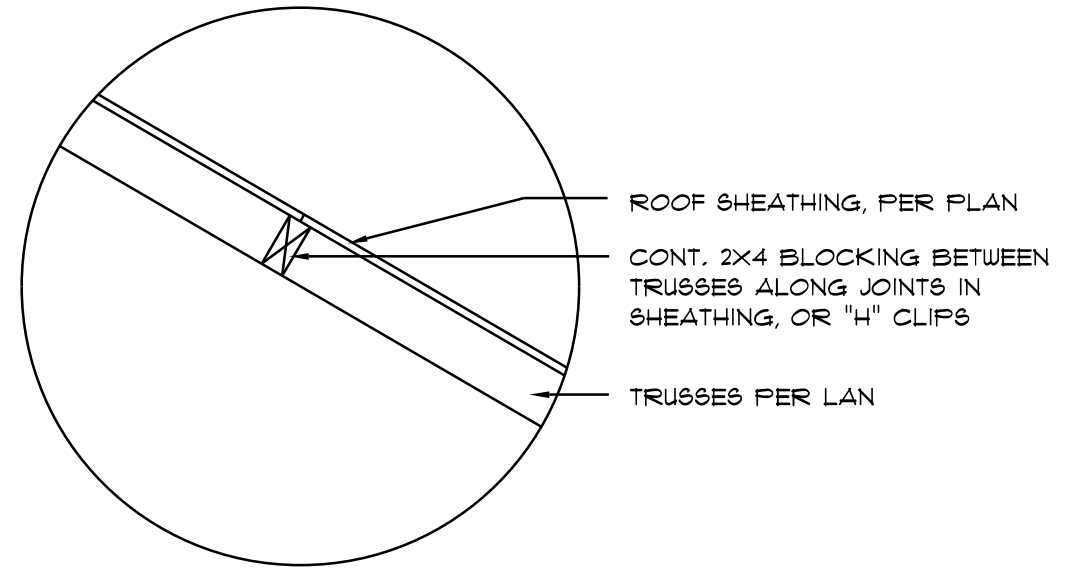
1. OPEN VALLEYS: VALLEY LINING OF TWO PLYS OF MINERAL SURFACE  
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 19  
INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLYS OF MINERAL SURFACE  
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL 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 1970.



## Vent DETAIL

SCALE: NONE

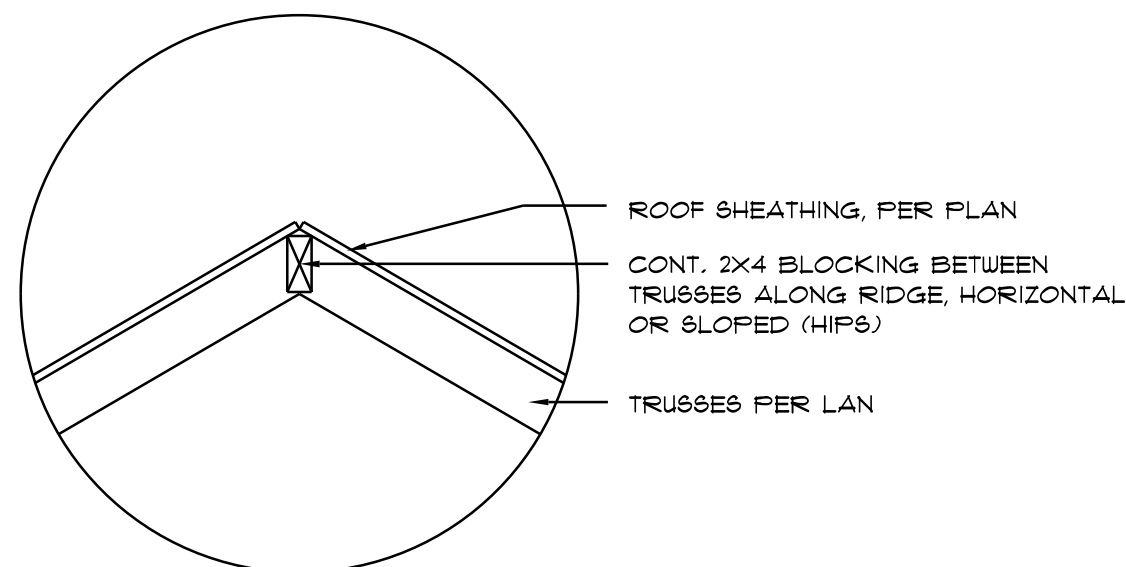
A1



## Joint DETAIL

SCALE: NONE

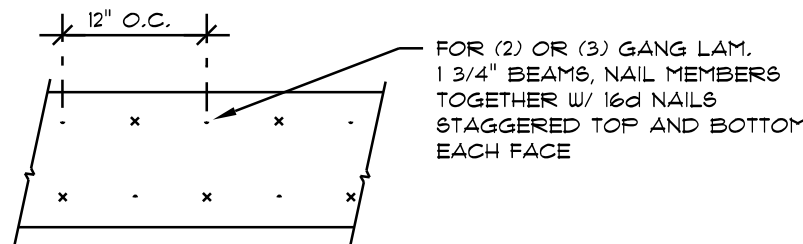
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## Ridge DETAIL

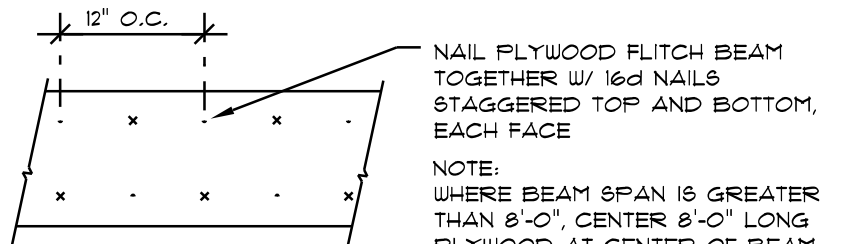
SCALE: NONE

A3



## MULTIPLE GANG LAM. DETAIL

NOT TO SCALE



## PLYWOOD FLITCH BEAM DETAIL

NOT TO SCALE

## B/U Beam DETAILS

SCALE: NONE

B

## FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSSES TO WALL:	SIMPSON H2.5a or SDWC15600	600*
GIRDER TRUSSES 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 PC44 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.

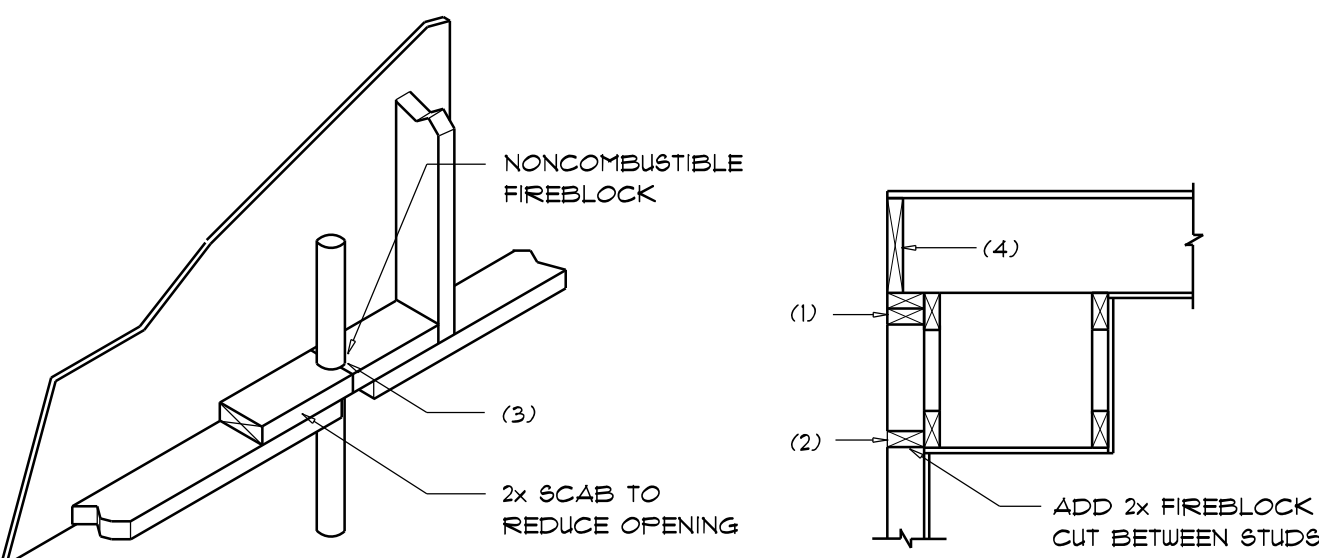
NOTE:  
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH  
SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:  
"SEMCO" PRODUCT APPROVAL:  
MIAMI/DADE COUNTY REPORT #95-0818.15

NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #91-0107.05, #96-1126.11, #99-0623.04  
SBCCI NER-443, NER-393

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 1° TO 21°				
WIND DIRECTION	WIND SPEED VULT	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH	
		110 MPH	120 MPH	130 MPH	140 MPH	
TO T- TO T- TO T- TO T- TO T- TO T-	1	10	12.0 / -19.9	14.9 / -23.1	17.5 / -21.8	20.3 / -32.3
	1	20	11.4 / -19.4	15.6 / -23.0	18.0 / -27.0	19.5 / -31.4
	1	30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2	10	12.5 / -34.1	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2	20	11.4 / -31.5	13.6 / -38.0	16.0 / -44.6	18.9 / -51.1
	2	30	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.1
WALL	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	3	20	11.4 / -47.8	13.6 / -57.1	16.0 / -67.0	18.9 / -77.1
	3	30	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
	4	10	21.8 / -23.6	25.9 / -34.1	30.4 / -33.0	35.3 / -38.2
	4	20	20.8 / -22.6	24.1 / -26.3	29.0 / -31.6	33.1 / -36.1
	4	30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.6	31.6 / -34.6
WALL	5	10	21.8 / -29.1	25.9 / -34.1	30.4 / -40.1	35.3 / -41.2
	5	20	20.8 / -27.2	24.1 / -32.4	29.0 / -38.0	33.1 / -44.0
	5	30	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	1.41
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66



## 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: 2x4 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 1/16" O.S.B.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: .113 RING SHANKED Nails per schedule on sheet 6.4

#### SHEARWALLS

Material: 1/16" O.S.B. or 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: 2x4 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) HD5a @ each corner  
Porch Column Base Connector: Simpson ABU66 @ each column  
Porch Column to Beam Connector: Simpson MTA20 (2 ea. sides) 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.T.U. W/ #5 Vertical Clags @ 48" O.C.  
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 . . . . . 60 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 1403.4.2.6
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 1516.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED  
INCLUDING SPACES BOXED OR FORMED. FBC 1516.1.2

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 1516.1.3

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 1516.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER  
MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1516.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE  
OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1516.1.6

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 1516.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT.  
FBC 1516.1.1

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART-  
MENT BY A 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 CON-  
SUMER SERVICES". FBC 1516.1.1

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

Mar. 20th, 2024

NEW PROPOSAL FOR:

YATES RESIDENCE

COLUMBIA COUNTY, FL

NICHOLAS  
PAUL  
GEISLER  
ARCHITECT

1158 NW Brown Rd.  
Lake City, FL 32055  
N.C.A.R.B. Certified

SHEET NUMBER

S.3

OF 4 SHEETS

N. P.  
GEISLER

Digitally signed by N. P. GEISLER  
DN: cn = N. P. GEISLER email =  
ngeisler7@gmail.com C = US O =  
ARCHITECT OU = AR0007005  
Date: 2024.05.23 09:59:01 -0500

AR0007005