



PX2707



A

Figure 1 consists of two roof layout diagrams for a 12' x 12' building. The left diagram shows a standard gable roof with a 4' overhang on all sides. The right diagram shows a gable roof with a 5' overhang on the gable ends and a 4' overhang on the side walls. Both diagrams include labels for 'ROOF EDGE', 'RIDGE', 'VALLEY', and 'EAVE' with corresponding dimensions.

Roof Nail Pattern DET.

B



1



Truss Bracing DETAILS

(D)



G



(三)



OPENING WIDTH	BILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

①

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Hip Construction, Wood Trusses @ 24" O.C. Walls: 2x4 Wood Studs @ 16" O.C. Floor: 4" Thk. Concrete Slab W/ Fiberglass 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: 8d Ring Shank per schedule on sheet 6.4	
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 Dragstrut: Double Top Plate (8"x10") 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 12"-16" from corner Corner Hold-down Device: (1) HTTB @ each corner Porch Column Base Connector: Simpson ABU66 @ each column Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column	
FOOTINGS AND FOUNDATIONS	
Footings: 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: 60 PSF
BALCONIES:
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 1404.2.6
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 RETARDER 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 DEPARTMENT 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 CONSUMER 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

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSSES TO WALL:	SIMPSON H2.5a or SDWUC15600	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 PC66/EPC66	1700*
PORCH POST TO FND.:	SIMPSON ABU66	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.

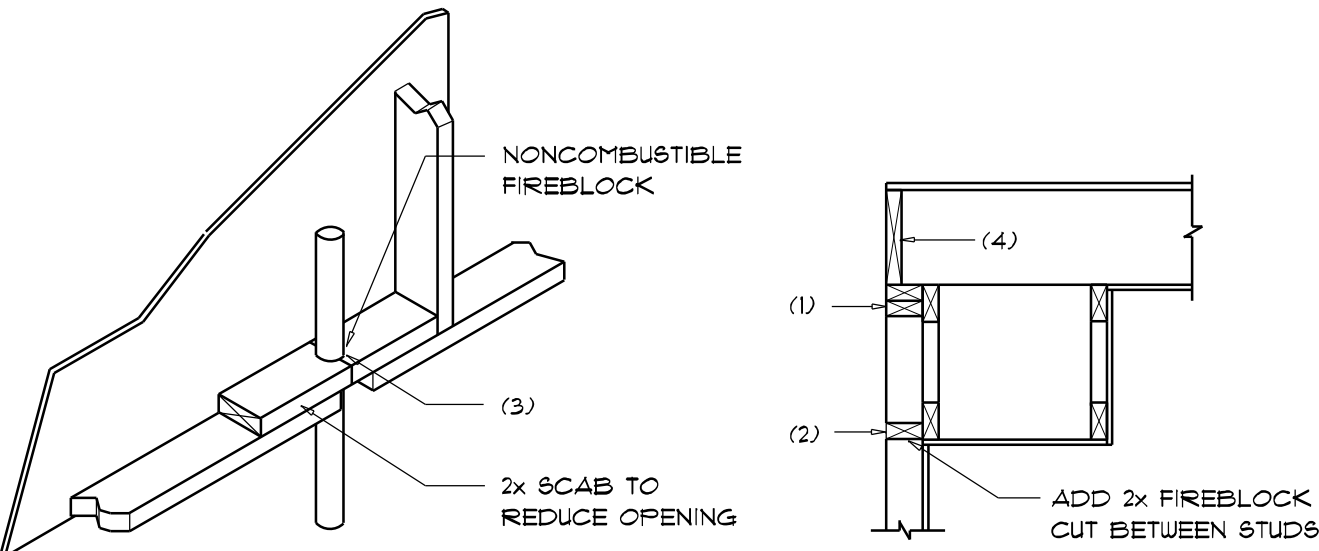
NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

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	WIND DIRECTION	WIND SPEED VULT	WIND DIRECTION	WIND SPEED VULT
		WIND DIRECTION	WIND SPEED VULT	WIND DIRECTION	WIND SPEED VULT
		WIND DIRECTION	WIND SPEED VULT	WIND DIRECTION	WIND SPEED VULT
		WIND DIRECTION	WIND SPEED VULT	WIND DIRECTION	WIND SPEED VULT
ROOF T.O. TO 21°	10	10	10	10	10
	20	20	20	20	20
	50	50	50	50	50
	10	10	10	10	10
WALL	10	10	10	10	10
	20	20	20	20	20
	50	50	50	50	50
	10	10	10	10	10
WIND DIRECTION	10	10	10	10	10
	20	20	20	20	20
	50	50	50	50	50
	10	10	10	10	10
WIND DIRECTION	10	10	10	10	10
	20	20	20	20	20
	50	50	50	50	50
	10	10	10	10	10

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



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 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

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Review for Code Compliance
Universal Engineering Science

Lawrence Pennell
Examiner-License No.

PX2707

General Roofing NOTES:

DECK REQUIREMENTS:
METAL PANELS MUST BE FASTENED TO 1x4 FURRING FURLINS OR 1/2" FLYWOOD
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-192 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 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. BW-1 - SIDEWALL FLASHING
5. BW-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

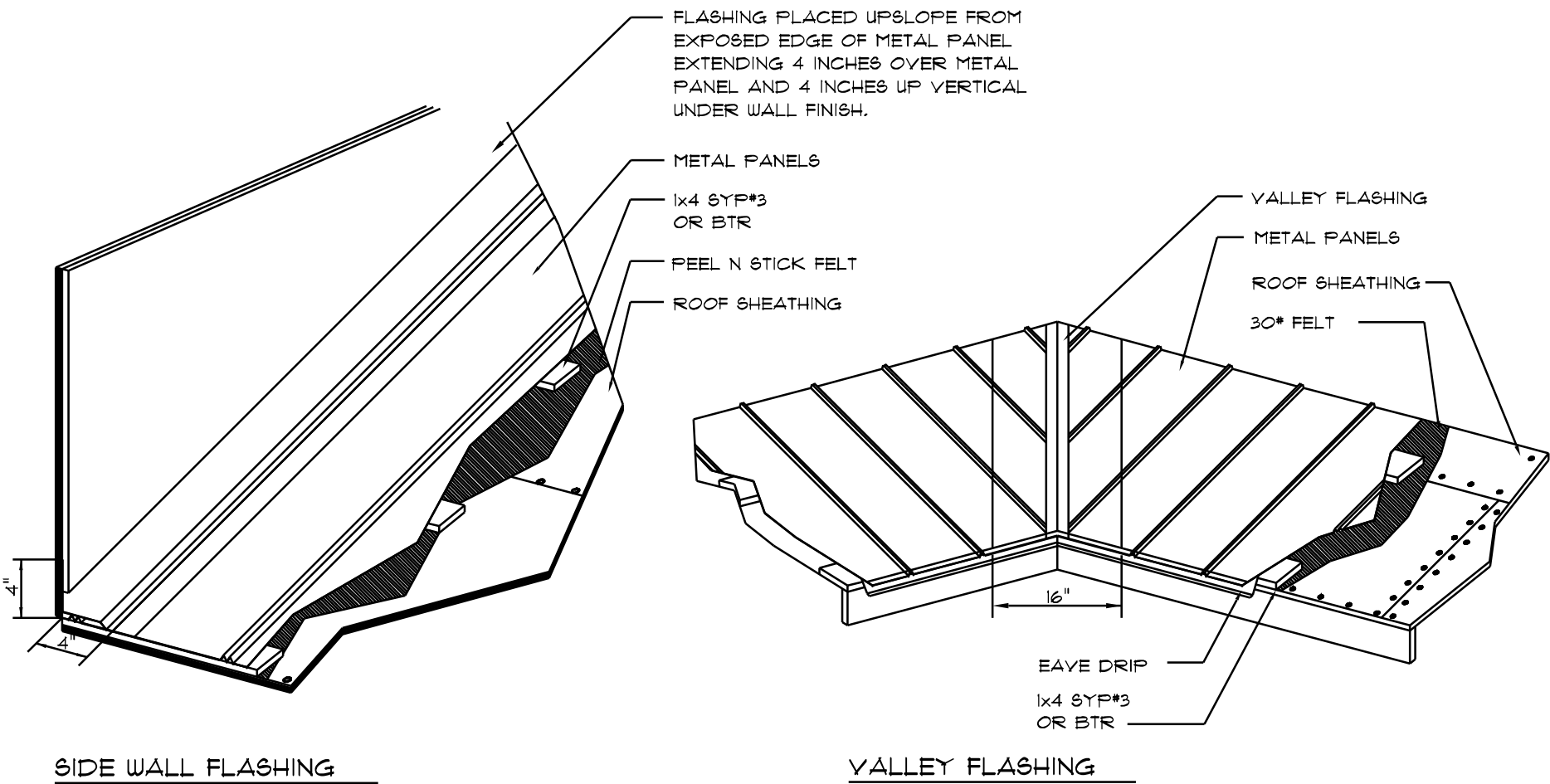
UNDERLAYMENT APPLICATION:
UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 18 INCH STRIP OF UNDERLAYMENT SHALL BE
APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO
STAY IN PLACE.

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 71 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 1507.3.9.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLYS 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 1970.

SM-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" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 & 3	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"



SIDE WALL FLASHING

VALLEY FLASHING

METAL ROOFING. DET.

SCALE: NONE

REVISIONS
June 5th, 2024

CUSTOM HOME FOR:
WEAVER RESIDENCE
COLUMBIA COUNTY, FL

NICHOLAS PAUL
GEISLER
ARCHITECT
1758 NW Bryson Rd.
Lake City, FL 32095
(386) 755-9021
N.C.A.R.B. Cert #1164

SHEET NUMBER
S.3
OF 4 SHEETS

AR0007005



Review for Code Compliance
Universal Engineering Science

Lawrence Parnell
Examiner-License No.

PX2707

STANDARD HEADER SCHEDULE

0'-0" UP TO 6'-0" OPENINGS

DOUBLE 2x8 No.12 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA15 TOP AND 1 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUD EACH SIDE OF OPENING

6'-0" UP TO 9'-0" OPENINGS

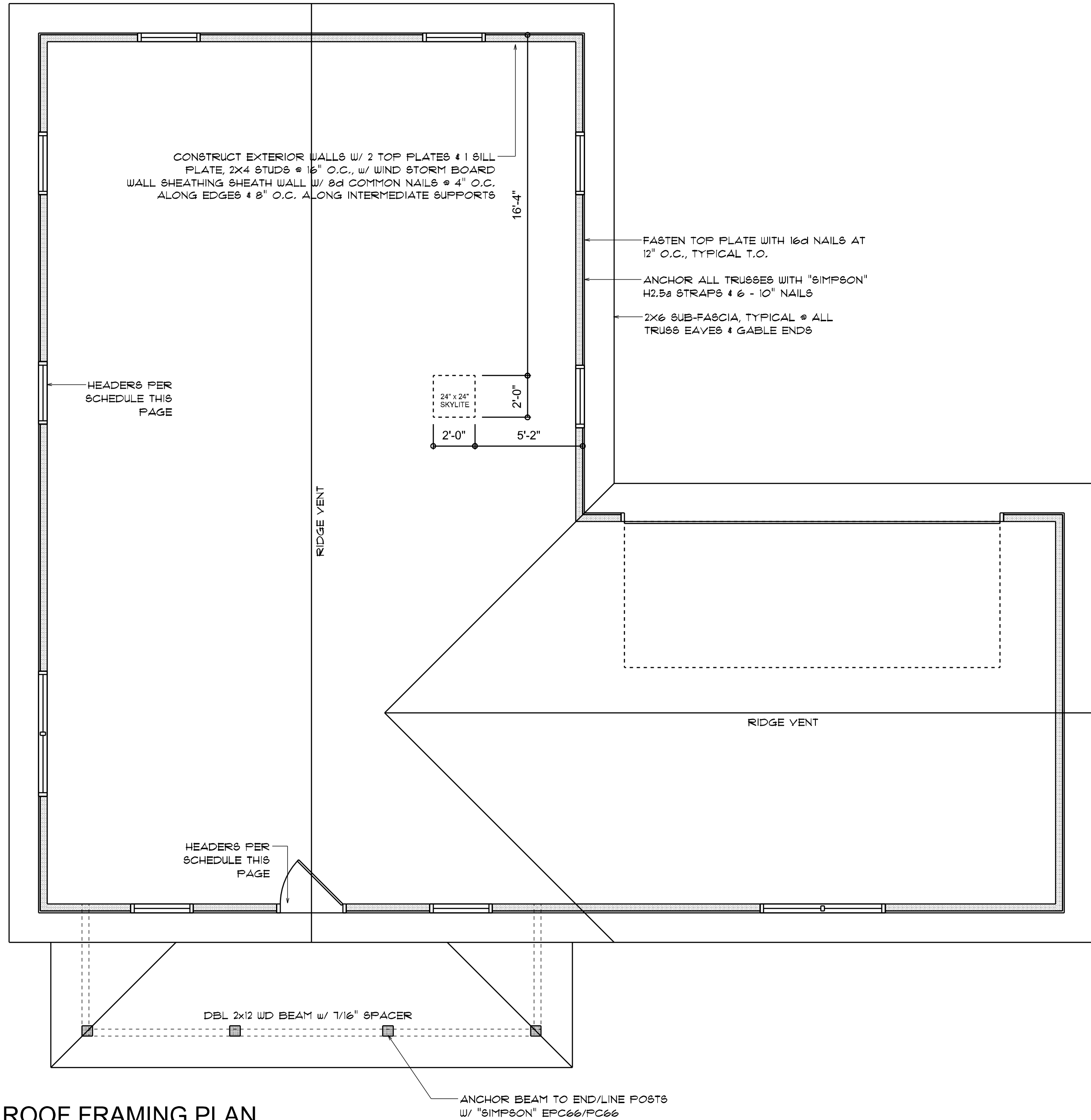
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9'-0" UP TO 16'-0" OPENINGS

DOUBLE 2x12 No.12 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA15 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

16'-0" GARAGE DOOR OPENINGS

2 PLY 1 3/4" X 11 1/8" 2.0E MICROLAMM LVL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA15 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

NOTE:

ANCHOR GIRDER TRUSSES(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4).
ANCHOR HEADER TO KING STUDS w/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

ROOF PLAN NOTES

- R-1 SEE ELEVATIONS FOR ROOF PITCH
R-2 ALL OVERHANG 18" (12" on gables) UNLESS OTHERWISE NOTED
R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE:

SHEATH ROOF w/ 1/2" CDX PLYWOOD PLACED w/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES. SECURE TO FRAMING w/ 8d NAILS - AS PER DETAIL ON SHEET SD.4

NOTE:

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1603 AND LOCAL JURISDICTION REQUIREMENTS

GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST ED., ALONG w/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

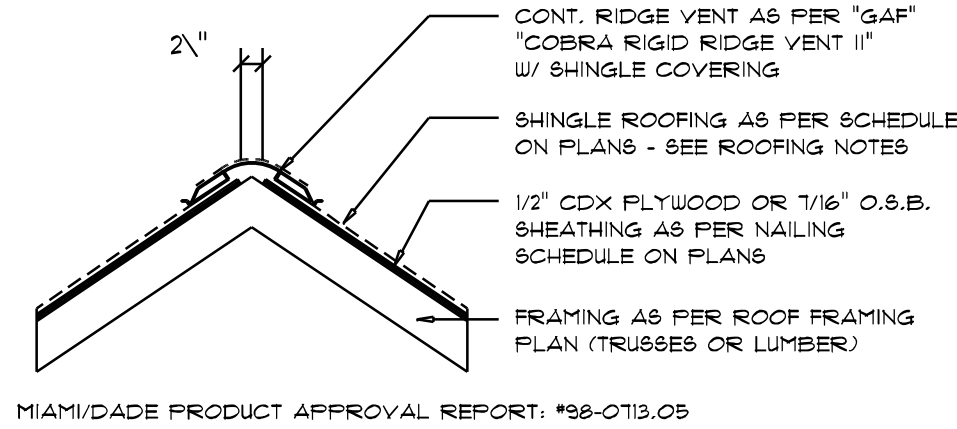
NOTE:

ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN No.2 HEM-FIR OR BETTER.
4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

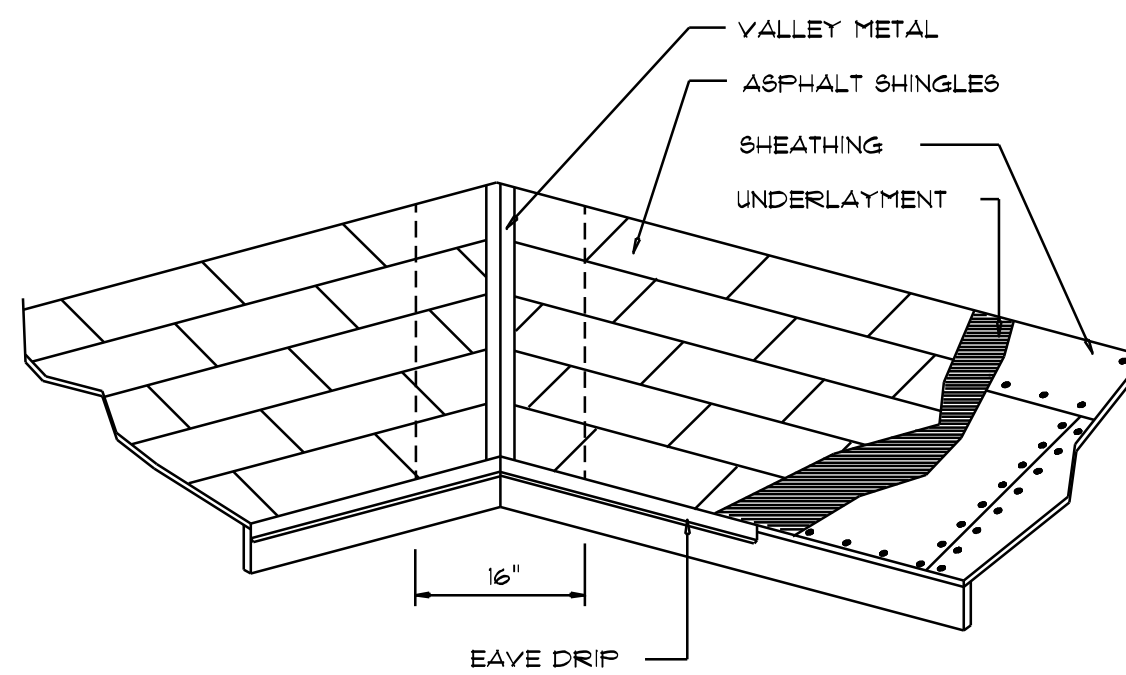
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2800 SF	32 LF	650 SQ.IN.
2900 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



Ridge Vent DETAIL

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

B



VALLEY FLASHING

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	0.019	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

A

REVISIONS

June 5th, 2024

CUSTOM HOME FOR:

WEAVER RESIDENCE

COLUMBIA COUNTY, FL



NICHOLAS PAUL
GEISLER
ARCHITECT
1758 NW Brycen Rd.
Lake City, FL 32095
(386) 755-9021
N.C.A.R.B. Certified

SHEET NUMBER

S.1

OF 4 SHEETS

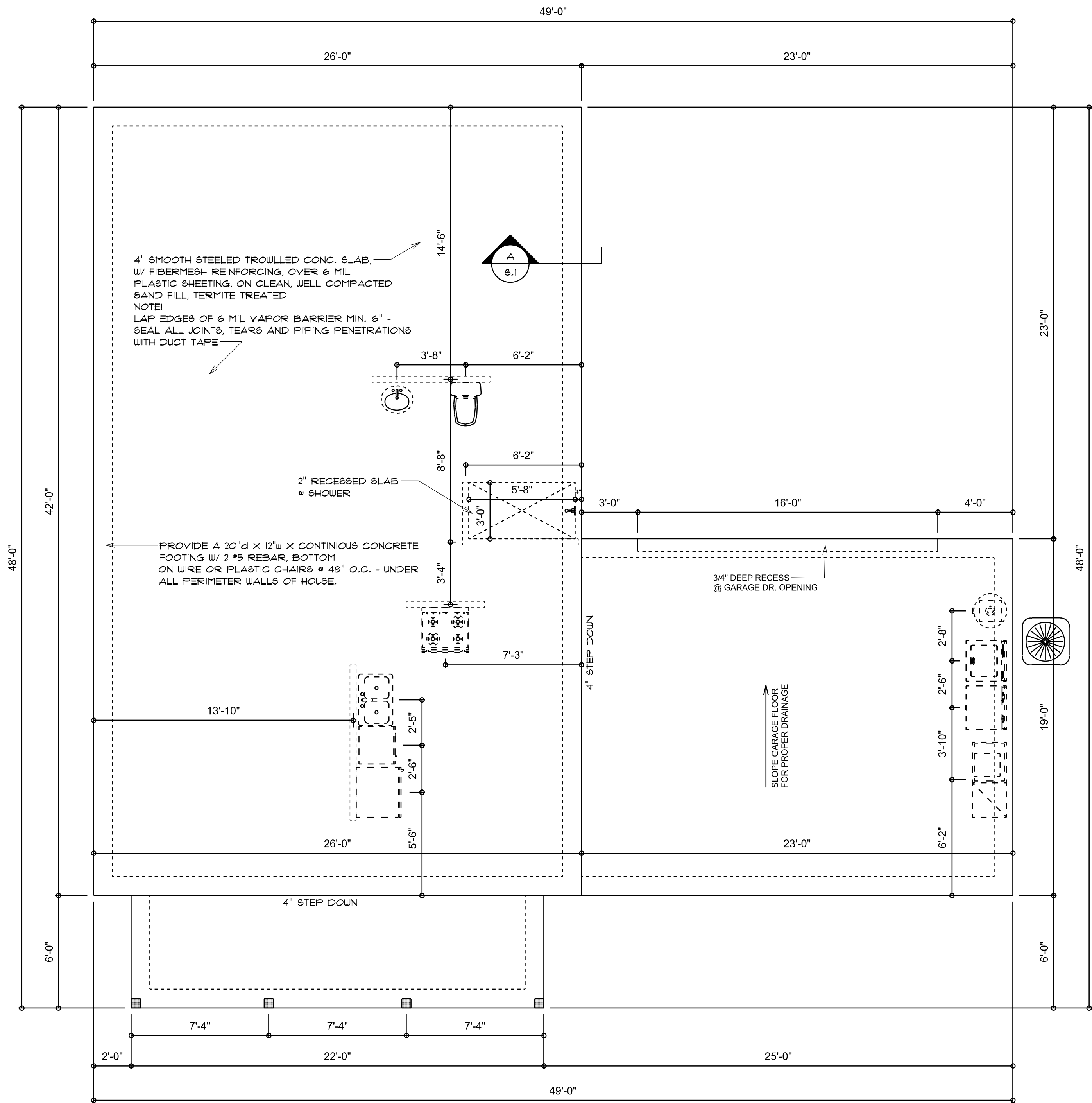
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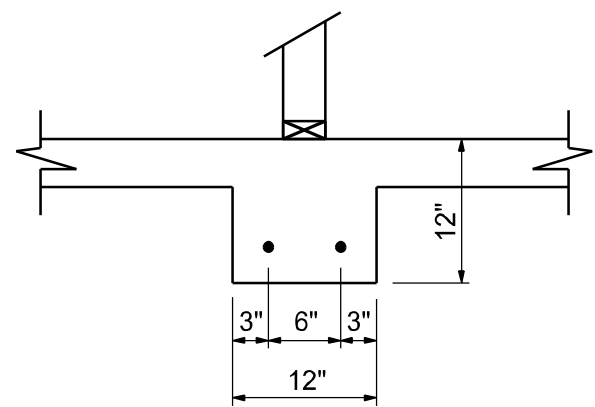
Lawrence Perrell
Examiner-License No.

PX2707



FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
VERIFY INTERIOR BEARING WALLS WITH
TRUSS MANUFACTURE DRAWINGS! USE DETAIL
"B" THIS PAGE AT ALL INTERIOR BEARING LOC.

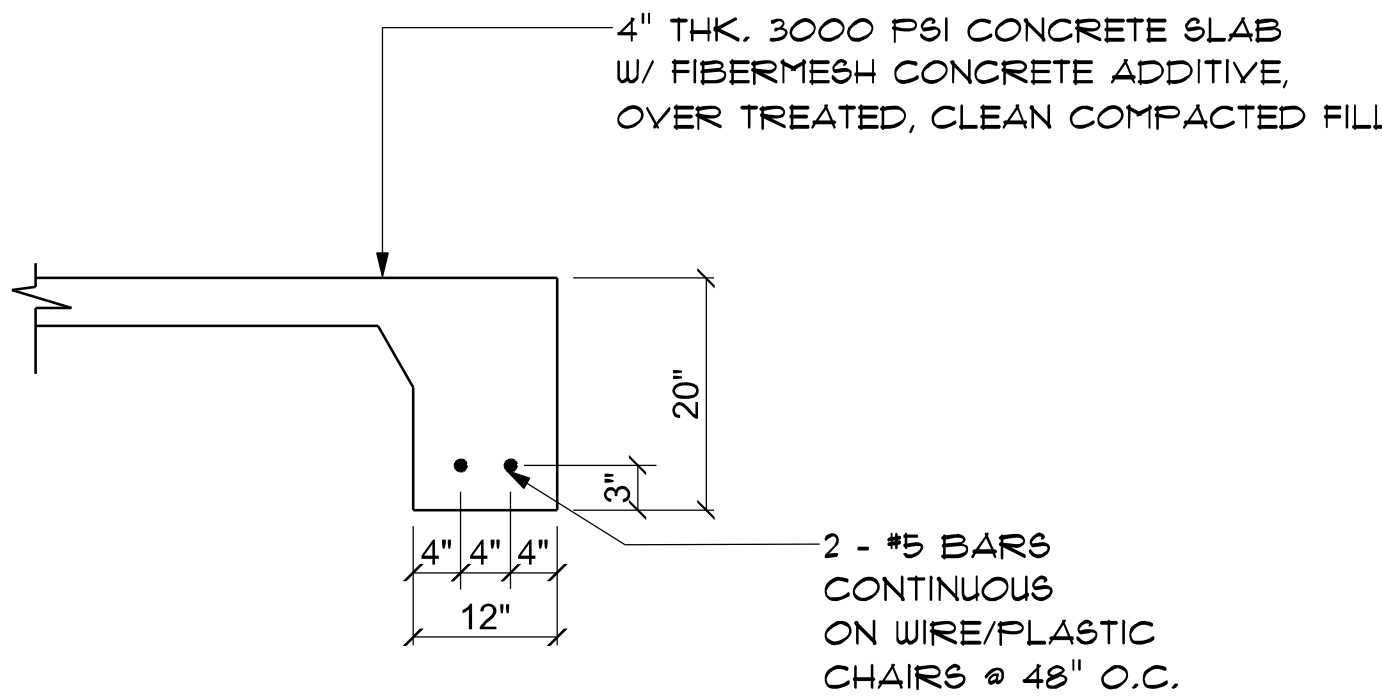


INTERIOR
BEARING FT'G

SCALE: 3/4" = 1'-0

CONCRETE / MASONRY /
METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GP. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 65 KSI.
- CONCRETE SHALL BE STANDARD MIX $F_c = 3000$ PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX $F_c = 3000$ PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - $F_m = 1500$ PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



SECTION

SCALE: not to scale

A
S.1

NOTE:
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EA. LIFT SHALL BE COMPACTED TO 98% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.

NOTE:
PROVIDE A MINIMUM OF TWO OPENINGS HAVING A TOTAL NET AREA
OF NOT LESS THAN ONE SQUARE INCH FOR EVERY SQUARE FOOT OF
ENCLOSED AREA SUBJECT TO FLOODING

NOTE:
THE PROJECT IS DESIGNED IN ACCORDANCE WITH ASCE 24

REVISIONS
June 5th, 2024

CUSTOM HOME FOR:
WEAVER RESIDENCE
COLUMBIA COUNTY, FL

**NICHOLAS PAUL
GEISLER
ARCHITECT**
1155 NW Bryan Rd.
Lake City, FL 32095
(386) 755-9021
N.C.A.R.B. Certified

SHEET NUMBER
S.1
OF 4 SHEETS

AR0007005