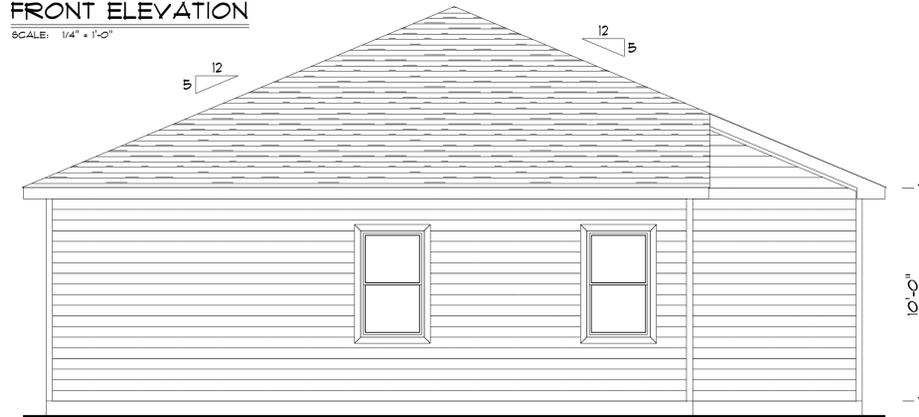
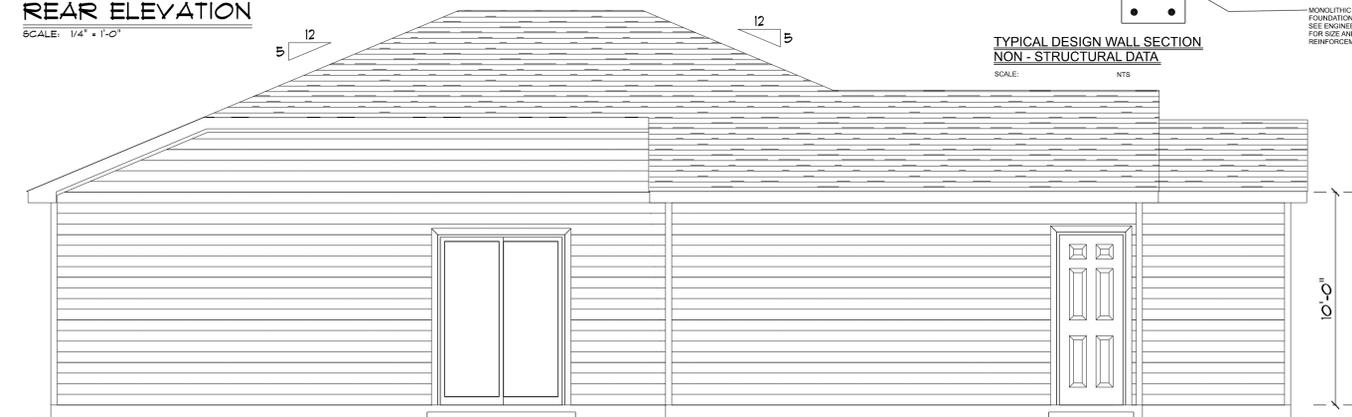


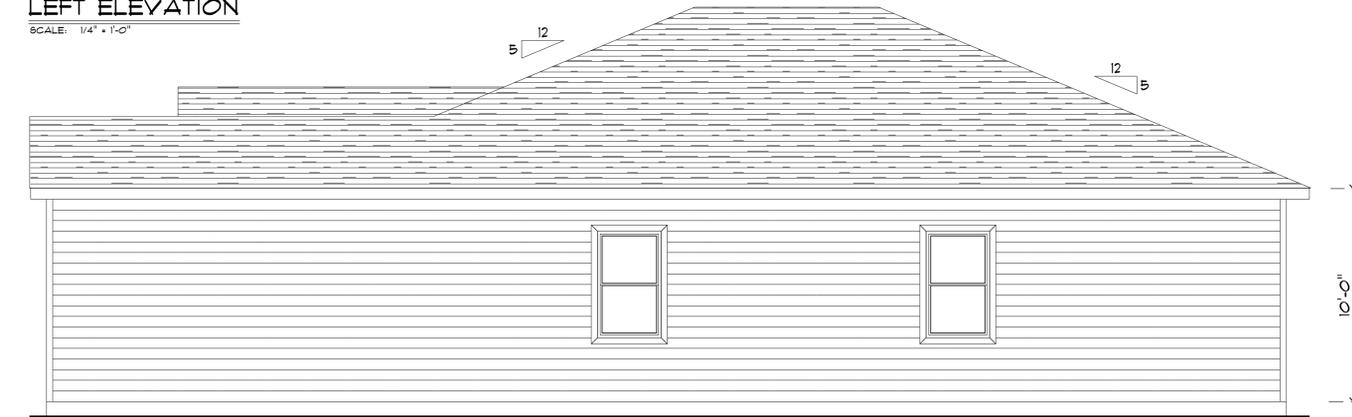
**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"

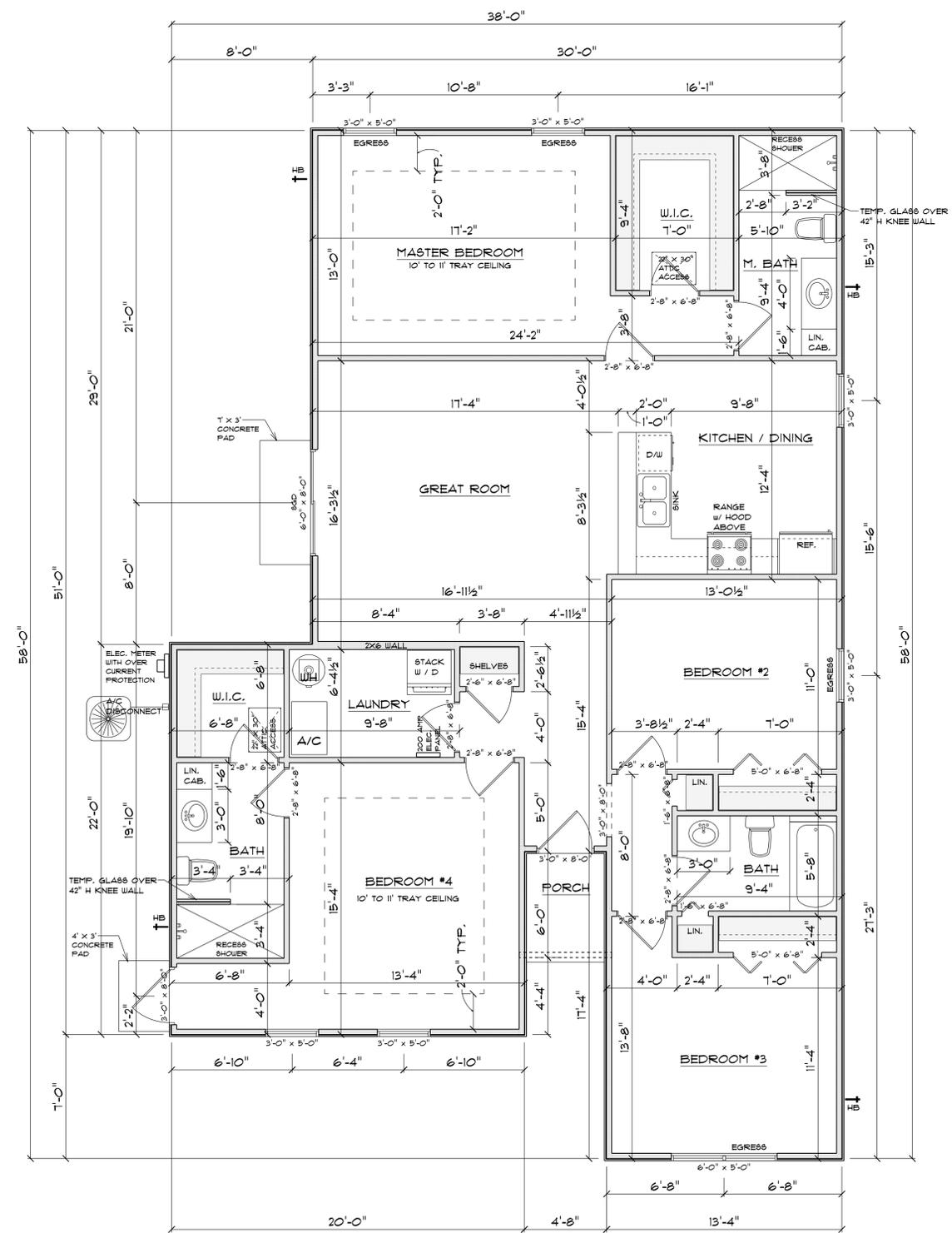
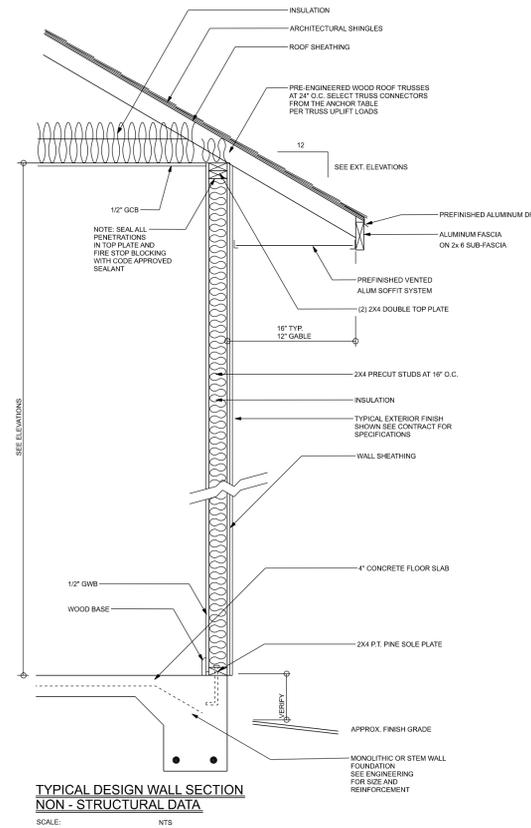


**LEFT ELEVATION**  
SCALE: 1/4" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0"

**ROOF VENTILATION:**  
R806.2 Minimum vent area.  
The minimum net free ventilating area shall be 1/150 of the area of the vented space.  
Exception: The minimum net free ventilating area shall be 1/300 of the vented space provided one or more of the following conditions are met:  
1. In Climate Zones 6, 7 and 8, a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.  
2. At least 40 percent and not more than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space. Upper ventilators shall be located no more than 3 feet below the ridge or highest point of the space, measured vertically, with the balance of the required ventilation provided by eave or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet below the ridge or highest point of the space shall be permitted.



**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
ALL CEILING HEIGHTS TO BE 10'-0" UNLESS NOTED OTHERWISE

AREA SCHEDULE	
NAME	AREA
Living	1751 sq. ft.
Front Porch	28 sq. ft.
Total	1779 sq. ft.

The Solid Rock Builder Construction, Inc.  
Arrium Model - 126 SW Aurora Way  
PROJECT ADDRESS:  
126 SW Aurora Way  
Lake City, FL 32025

FL PE 53915  
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**LIMITATION:** This design is valid for one building, at specified location.

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**JOB NUMBER:**  
251111

1  
OF 5 SHEETS

**WALL FLASHING REQUIRMENTS**

R703.4 Flashing.  
Approved metal flashing, vinyl flashing, self-adhered membranes and mechanically attached flexible flashing shall be applied shingle-fashion or in accordance with the manufacturer's instructions. Metal flashing shall be corrosion resistant. Fluid-applied membranes used as flashing shall be applied in accordance with the manufacturer's instructions. All flashing shall be applied in a manner to prevent the entry of water into the wall cavity or penetration of water to the building structural framing components. Self-adhered membranes used as flashing shall comply with AAMA 711. All exterior fenestration products shall be sealed at the juncture with the building wall with a sealant complying with AAMA 800 or ASTM C920 Class 25 Grade NS or greater for proper joint expansion and contraction, ASTM C1281, AAMA 812, or other approved standard as appropriate for the type of sealant. Fluid-applied membranes used as flashing in exterior walls shall comply with AAMA 714. The flashing shall extend to the surface of the exterior wall finish. Approved flashings shall be installed at the following locations:

1. Exterior window and door openings. Flashing at exterior window and door openings shall extend to the surface of the exterior wall finish or to the water-resistive barrier complying with Section 703.2 for subsequent drainage. Mechanically attached flexible flashings shall comply with AAMA 712. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following:

1.1. The fenestration manufacturer's installation and flashing instructions, or for applications not addressed in the fenestration manufacturer's instructions, in accordance with the flashing manufacturer's instructions. Where flashing instructions or details are not provided, pan flashing shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water-resistive barrier for subsequent drainage. Openings using pan flashing shall incorporate flashing or protection at the head and sides.

1.2. In accordance with the flashing design or method of a registered design professional.

1.3. In accordance with other approved methods.

1.4. In accordance with FMA/AAMA 100, FMA/AAMA 200, FMA/WDMA 250, FMA/AAMA/WDMA 300 or FMA/AAMA/WDMA 400.

2. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under sloped copings.

3. Under and at the ends of masonry, wood or metal copings and sills.

4. Continuously above all projecting wood trim.

5. Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.

6. At wall and roof intersections.

7. At built-in gutters.

**ROOF FLASHING REQUIRMENTS**

R903.2 Flashing.  
Flashings shall be used to seal roofing systems, where the system is interrupted or terminated and shall be installed in a manner that prevents moisture from entering the wall and roof through joints in copings, through moisture permeable materials and at intersections with parapet walls and other penetrations through the roof plane.

R903.2.1 Locations.  
Flashings shall be installed at wall and roof intersections, wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than provided in Table R903.2.1 or in compliance with RAS 111.

Exception: Flashing is not required at hip and ridge junctions.

TABLE R903.2.1 METAL FLASHING MATERIAL

MATERIAL	GAGE MINIMUM THICKNESS (INCHES)	GAGE	WEIGHT (PSF)
Copper	0.024	---	1.018 (62)
Aluminum	0.024	---	---
Stainless steel	---	20	---
Galvanized steel	0.0178	20 (20% MINIMUM COATING)	0.925 (57.5)
Aluminum	0.0178	20 (A202)	0.925 (57.5)
Aluminum	0.0178	20 (A202)	0.925 (57.5)
Aluminum	0.027	20 (A202)	1.295 (81.0)
Lead	---	2.5 (60 mil)	---
Painted steel	---	---	1.295 (81.0)

R903.2.2 Crickets and saddles.  
A cricket or saddle shall be installed on the ridge side of any chimney or penetration more than 30 inches (762 mm) wide as measured perpendicular to the slope. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering.

Exception: Unit skylights installed in accordance with Section R308.6 and flashed in accordance with the manufacturer's instructions shall be permitted to be installed without a cricket or saddle.

R903.2.3 Membrane flashings.  
All membrane flashing shall be installed according to the roof assembly manufacturer's published literature.

R903.3 Coping.  
Parapet walls shall be properly coped with noncombustible, weatherproof materials of a width not less than the thickness of the parapet wall.

R903.4 Roof drainage.  
Unless roofs are sloped to drain over roof edges, roof drains shall be installed at each low point of the roof. Where required for roof drainage, scuppers shall be placed level with the roof surface in a wall or parapet. The scupper shall be located as determined by the roof slope and contributing roof area.

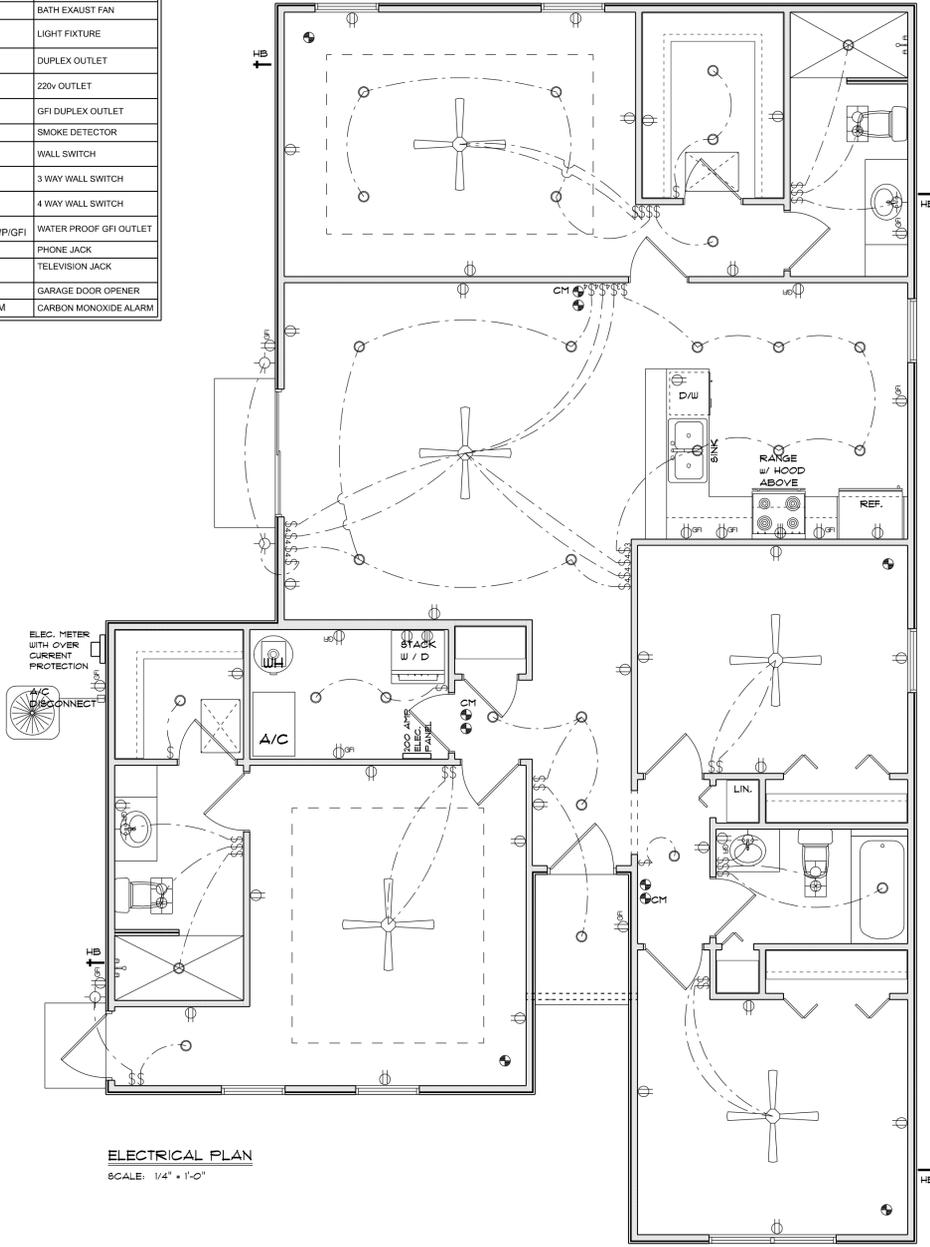
R903.4.1 Overflow drains and scuppers.  
When other means of drainage of overflow water is not provided, overflow scuppers shall be placed in walls or parapets not less than 2 inches (51 mm) nor more than 4 inches (102 mm) above the finished roof covering and shall be located as close as practical to required vertical leaders or down-spouts or wall and parapet scuppers. An overflow scupper shall be sized in accordance with the Florida Building Code, Plumbing. Overflow drains shall discharge to an approved location and shall not be connected to roof drain lines.

R903.4.2 One and two family dwellings, and private garages.  
When gutters and leaders are placed on the outside of buildings, the gutters and leaders shall be constructed of metal or approved plastic for outdoor exposure with lap joint, soldered or caulked joints and shall be securely fastened to the building with a corrosion resistant fastening device of similar or compatible material to the gutters and downspouts.

**ELECTRICAL PLAN NOTES:**

- E - 1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E - 2 CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
- E - 3 ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
- E - 4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E - 5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC LATEST EDITION.
- E - 6 ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E - 7 ENTRY OF SERVICE ( UNDERGROUND OR OVERHEAD ) TO BE DETERMINED BY POWER COMPANY.
- E - 8 ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
- E - 9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
- E - 10 A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICAL.
- E - 11 CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.
- E - 12 ALL OUTLETS LOCATED IN RESIDENTIAL TO BE TAMPER-RESISTANT PER NEC.
- E - 13 A MINIMUM OF 75% OF PERMANENTLY INSTALLED LAMPS OR LIGHTING FIXTURES SHALL BE HIGH EFFICACY FBC EC SEC. R404.1

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2x4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220V OUTLET
	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITCH
	4 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
	CARBON MONOXIDE ALARM



**ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

The Solid Rock Builder Construction, Inc  
Arrium Model - 126 SW Aurora Way  
PROJECT ADDRESS:  
(Parcel ID# 07-45-17-08107-001),  
Lake City, FL 32025

FL PE 53915  
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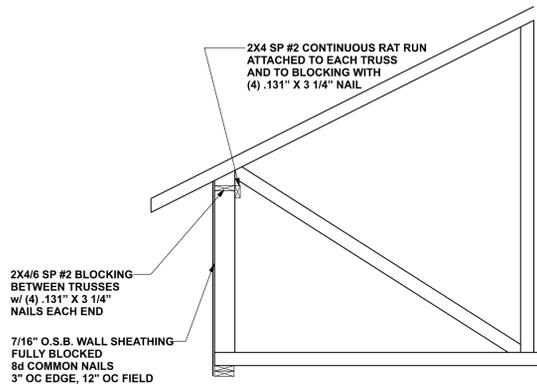
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2  
OF 5 SHEETS



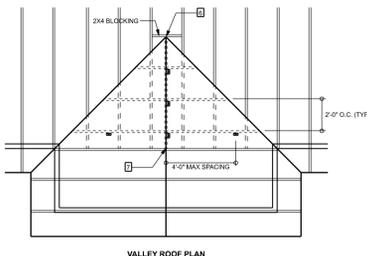




**DETAIL @ TRUSSES WITH RAISED HEELS**  
SCALE: 1/2" = 1'-0"

**LUMBER SIZE & GRADE MINIMUM REQUIREMENTS**

RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SYP #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SYP #2 OR 2" WALLS 2X4 SYP #2
CRIPPLES & BLOCKING	2X4 SYP #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN FINE MATERIAL



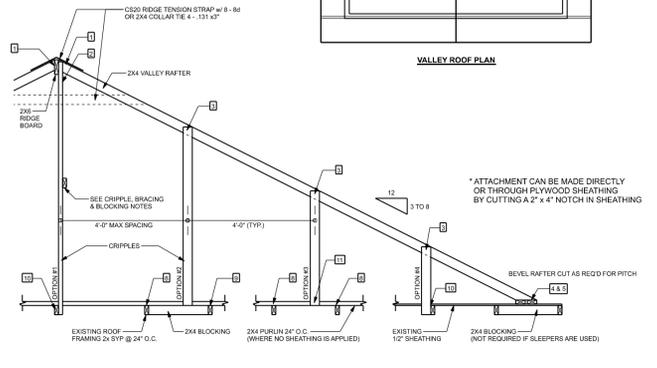
**VALLEY ROOF PLAN MEMBER LEGEND**

— TRUSS  
= = = TRUSS UNDER VALLEY FRAMING  
- - - - - VALLEY RAFTER OR RIDGE  
■ CRIPPLE

CRIPPLES 4'-0" O.C. FOR 20 psf (TL) AND 10 psf (TD) (TYP. SINGLE ROOF) MAX

**CONNECTION REQUIREMENT NOTES**

1 2X4 RAFTERS TO RIDGE	4 - 131 X 3 TOE NAILS
2 CRIPPLE TO RIDGE	4 - 131 X 3 FACE NAILS
3 CRIPPLE TO RAFTERS	4 - 131 X 3 FACE NAILS
4 RAFTER TO SLEEPER OR BLOCKING	4 - 131 X 3 TOE NAILS
5 SLEEPER TO TRUSS	4 - 131 X 3 FACE NAILS EACH TRUSS
6 RIDGE BOARD TO RIDGE BLOCK	4 - 131 X 3 TOE NAILS
7 RIDGE BOARD TO TRUSS	4 - 131 X 3 TOE NAILS
8 PURLIN TO TRUSS (TYP)	4 - 131 X 3 NAILS
9 PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4 - 131 X 3 NAILS
10 TRUSS TO BLOCKING	4 - 131 X 3 END NAILS
11 CRIPPLE TO PURLIN	4 - 131 X 3 FACE NAILS



**ROOF OVER FRAMING & BRACING DETAIL**  
SCALE: N.T.S.

**GENERAL NOTES**

MAXIMUM RAFTER SPANS  
6'-0" FOR 2X4, 8'-0" FOR 2X6 SYP #2 OR SYP #2

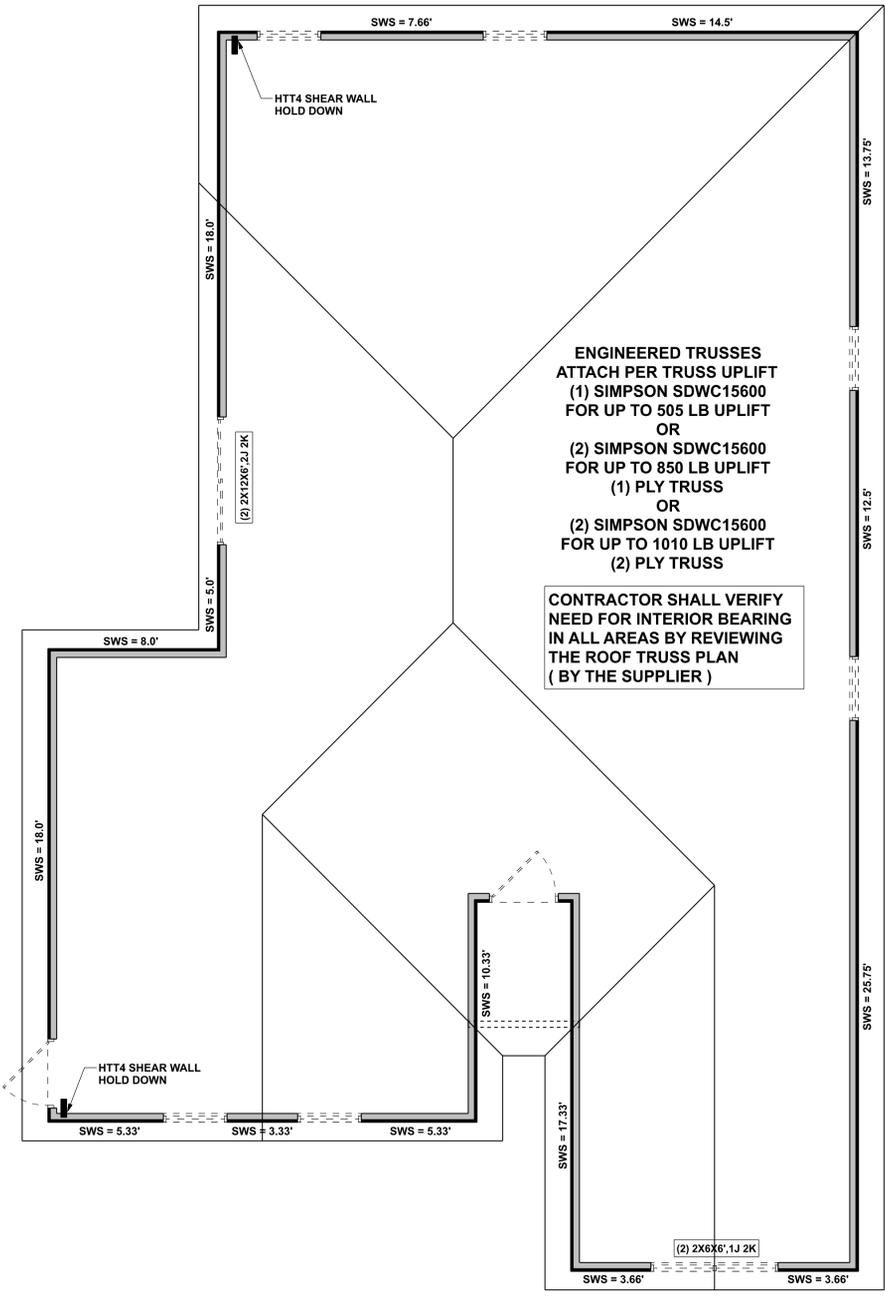
MAXIMUM ROOF AREA PER GAWPINT  
192 IN ZONE 2 & 3, 240 IN ZONE 1. (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN = 162 IN ZONE 2 & 3, 240 IN ZONE 1)

PURLIN REQUIREMENTS: 2" O.C. IF 2" O.C. SHEATHING IS REMOVED, PURLIN SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM OF 6" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 4" COMMON WIRE NAILS.

THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:  
- SPAN DISTANCE BETWEEN HEELS 4'-0" OR LESS  
- MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS  
- MAXIMUM WIND SPEED: 130 MPH  
- MAXIMUM ROOF HEIGHT: 30 FEET  
- MAXIMUM TOTAL LOADING: 40 psf  
- MEETS FIRE RATED REQUIREMENTS  
- EXPOSURE CATEGORY "C", I, II, III, K2, I-10

**CRIPPLE BRACING & BLOCKING NOTES**

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG NAIL 2" x 10" NAILS @ 24" O.C. OR SCAB BRACE NAIL TO PLATE EDGE OF CRIPPLE WITH 6" NAILS @ 6" O.C. "T" OR SCAB MUST BE 6" O.C. CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO (2) OR BOTH FACES "T" OR SCAB. USE STRESS GRADED LUMBER & BOX OR COMMON NAILS.  
- NAILING EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER, AS LONG AS THE PROPER NUMBER OF NAILS ARE INSTALLED INTO RIDGE BOARD.  
- INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED.  
- INSTALL BLOCKING UNDER CRIPPLES IF SLEEPERS ARE NOT USED.  
- LOWER TRUSSES TO CRIPPLES AND LATERAL BRACING IS NOT SEEN.  
- APPLY ALL NAILING IN ACCORDANCE TO NDS-1997 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.



**STRUCTURAL PLAN**  
SCALE: 1/4" = 1'-0"

**STRUCTURAL PLAN NOTES**

- SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCS1-03, BCS1-01, BCS1-02, & BCS1-03. BCS1-01, BCS1-02, & BCS1-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE
- SN-2

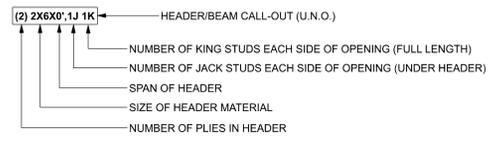
**ACTUAL vs REQUIRED SHEARWALL**

	TRANSVERSE	LONGITUDINAL
ACTUAL	12352 LBF	28958 LBF
REQUIRED	11386 LBF	6883 LBF

**UNLESS NOTED OTHERWISE (MINIMUM REQUIREMENTS)**  
**\*\*\*SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS\*\*\***

BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SYP #2 (UNO)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO)
HEADERS (STRAPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED OR SCREWED DOWN w/ MIN. OPTION #2 OR OPTION #3 (SEE DETAIL ON SHEET S-1) (U.N.O.) 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
JACK STUDS UNDER GIRDER TRUSS	USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD

**HEADER LEGEND**



**ENGINEERED TRUSSES ATTACH PER TRUSS UPLIFT**  
**(1) SIMPSON SDWC15600 FOR UP TO 505 LB UPLIFT OR**  
**(2) SIMPSON SDWC15600 FOR UP TO 850 LB UPLIFT (1) PLY TRUSS OR**  
**(2) SIMPSON SDWC15600 FOR UP TO 1010 LB UPLIFT (2) PLY TRUSS**

**CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN ( BY THE SUPPLIER )**

The Solid Rock Builder Construction, Inc

Arium Model - 126 SW Aurora Way

PROJECT ADDRESS:  
(Parcel ID# 07-45-17-08107-001),  
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**S-3**  
OF 5 SHEETS