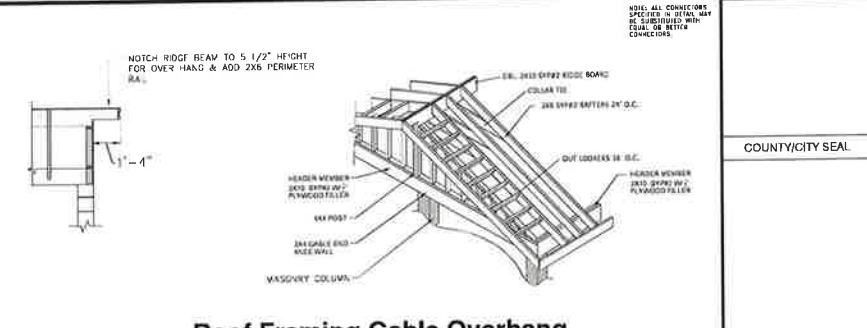
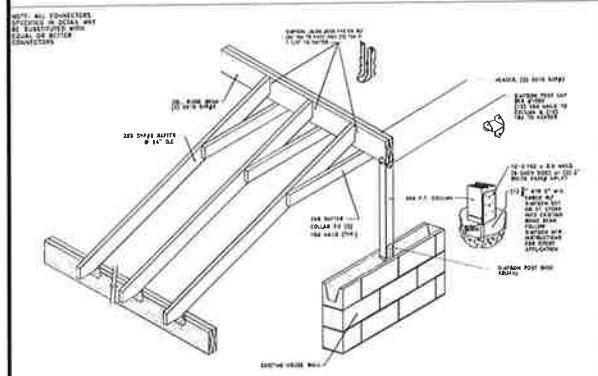


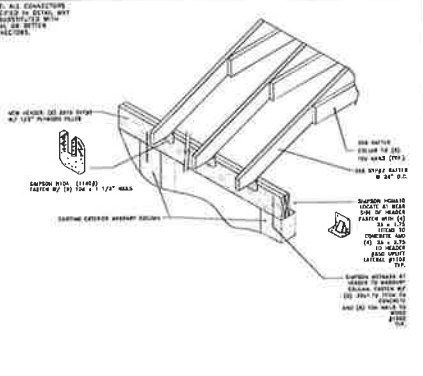
**Wall Section**  
SCALE: 1" = 1'-0"



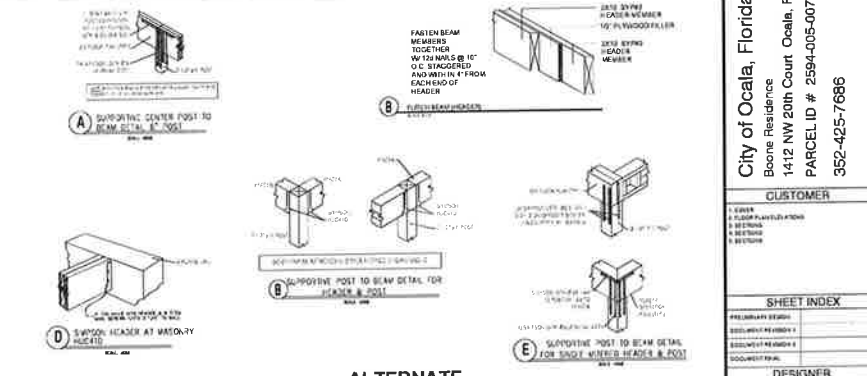
**Roof Framing Gable Overhang**  
SCALE: 1" = 1'-0"



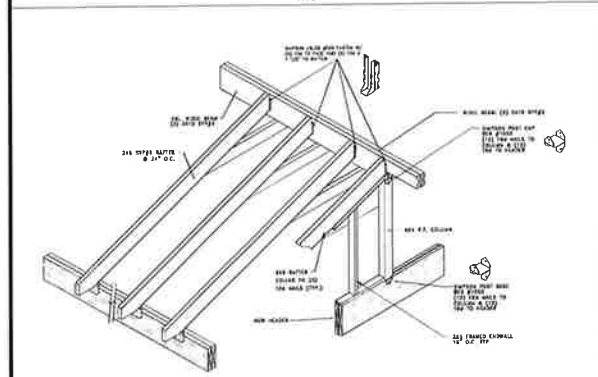
**RIDGE BEAM END SUPPORT CONNECTION TYPICAL**  
-NTS-



**RAFTER / HEADER CONNECTION TYPICAL**  
-NTS-



**ALTERNATE POST/BEAM/HEADER CONNECTION DETAILS TYPICAL**  
-NTS-



**RIDGE BEAM END SUPPORT CONNECTION TYPICAL**  
-NTS-

EXPOSURE = C MR = 15 CF = 1.21	ZONE	EFFECTIVE WIND AREA (FT <sup>2</sup> )	130	
			POSITIVE	NEGATIVE
GABLE ROOF - 7 to 20 Degrees 1.57/12 to 4.5/12	1	30	14.8	-40.8
	1	20	13.3	-35.1
	1	50	11.6	-27.5
	1	100	10.3	-21.8
	2	30	14.6	-33.8
	2	20	13.3	-26.5
	2	50	11.6	-26.8
	2	100	10.3	-29.4
	3	30	14.6	-22.7
	3	20	13.3	-40.6
	3	50	11.6	-47.2
	3	100	10.3	-37.0

**GABLE ROOF DESIGN PRESSURES**  
-NTS-

- PROVIDE 3000 PSI CONCRETE MINIMUM.
- MINIMUM DEPTH: FOOTINGS SHALL BE LEVEL OR SHALL BE STEPPED SO THAT BOTH TOP AND BOTTOM OF ALL SUCH FOOTINGS ARE LEVEL. THE BOTTOM OF ALL FOOTINGS, INCLUDING MONOLITHIC SLAB ON GRADE INTERIOR FOOTINGS, SHALL BE A MINIMUM OF 12 INCHES BELOW FINISHED GRADE LINE.
- PROVIDE 3" MIN COVER FOR ALL FOOTING STEEL ROD REINFORCING.
- ALL REINFORCING SHALL BE GRADE 60.
- FOUNDATION DESIGN IS BASED ON SANDY LOAM SOIL CONDITIONS AND A SOIL BEARING CAPACITY OF 7,000 PSF. IF OTHER CONDITIONS SHOULD OCCUR THE OWNER SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO EVALUATE, TEST AND RECOMMEND FOOTING DESIGN. SUITABLE FOR CONDITIONS FOUND AND SHALL BE PROVIDED WITH COPIES OF ALL RELATED TECHNICAL REPORTS, INCLUDING SOIL TESTING AND PROPOSED FOOTING DESIGN, IF OWNER/CONTRACTOR FAILS.
- TO NOTIFY DESIGNER/ENGINEER OF SOIL CONDITIONS FOUND, THIS FOUNDATION DESIGN IS VOID AND DESIGNER/ENGINEER ARE NOT HELD LIABLE FOR ANY DESIGN SET FORTH IN THESE PLANS.
- CONNECTORS NOTED ON THESE DETAILS ARE SIMPSON STRONG-TIE UNLESS NOTED OTHERWISE. THIS DRAWING HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF SECTION 1605 "WIND LOADS" OF THE FLORIDA BUILDING CODE AT 130 M.P.H. (AT 3 SECOND GUST).

**FOUNDATION FOOTER NOTES**

NOTE: ALL CONNECTIONS SPECIFIED IN DETAIL MAY BE SUBSTITUTED WITH EQUAL OR BETTER CONNECTIONS.

COUNTY/CITY SEAL

City of Ocala, Florida  
Boone Residence  
1412 NW 20th Court Ocala, Florida  
PARCEL ID # 2594-005-007  
352-425-7686

CUSTOMER

SHEET INDEX

DESIGNER  
Home Design Goals  
PROJECT ENGINEER

Professional Engineer Seal for Harold Barrineau, State of Florida, License No. 26,494-ET.

Harold Barrineau

Home Design Goals, Inc.  
1412 NW 20th Court, Ocala, FL 34676  
352-425-7686

DRAWN BY: FILE NAME  
DATE: DATE  
SCALE: 1" = 1'-0"  
3 OF 4



**A STRIP SHINGLES ON LOW SLOPES**

**B WOVEN VALLEY CONSTRUCTION**

Maximum Basic Wind Speed, mph (ASCE 7-10)	Value as determined by performance with Section 8001.2.1.1	ASTM D 7158	ASTM D 5187
110	85	D, G or H	D or F
115	90	D, G or H	D or F
120	100	D, G or H	D or F
125	110	D, G or H	D or F
130	120	D, G or H	D or F
135	130	D, G or H	D or F
140	140	H	F
145	150	H	F
150	160	H	F

**C SHINGLE CLASSIFICATION**

**E SHINGLES AROUND ROOF VENT**

**F HIP AND RIDGE SHINGLES**

**G ROOFING CONNECTIONS**

**H SOFFIT DETAIL**

**I PORCH CEILING FINISH**

**Asphalt Shingles:**  
Asphalt Shingles shall have self seal oil-p/s or oil interlocking, and comply with ASTM D 225 OR D 3162.

**Fasteners:**  
Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum or copper roofing nails, minimum 12 gage shank with a minimum 3/8" diameter head, ASTM F 1667, of a length to penetrate through the roofing material a minimum of 3/4" into the roof sheathing. Where the roof sheathing is less than 3/4" thick, the fastener shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

**Attachment:**  
Asphalt shingles shall have a minimum of 6 fasteners as required by the manufacturer.

**J ATTIC ACCESS DETAIL**

**K FLASHING**

MATERIAL	GAGE-MINIMUM THICKNESS	GAGE	WEIGHT (lbs per sq ft)
Copper	0.024	1 (16 oz)	
Aluminum	0.024		
Weathered steel	28		
Galvanized steel	0.0178	26 ( zinc coated G90) ( zinc coated G95)	26
Aluminum zinc coated steel	0.0178	26 (AZ55 alum zinc)	26 (AZ55 alum zinc)
Zinc alloy	0.017		
Lead	2.5 (40 oz.)		
Painted metal	1.25 (20 oz.)		

**\* UNDERLAYMENT APPLICATION**  
FOR ROOFS WITH SLOPES LESS THAN 12:12 UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
A. STARTING AT THE EAVE, A 1/4" THICK STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND WITH THE JOINTS TO STAY IN PLACE.  
B. STARTING AT THE EAVE, A 1/4" THICK STRIP OF UNDERLAYMENT SHALL BE APPLIED TO OVERLAP THE SUCCESSIVE STRIPS 1/4" INCHES AND FASTENED TO THE DECKING TO STAY IN PLACE.  
C. FOR ROOFS WITH 12:12 OR GREATER SLOPE, THE UNDERLAYMENT SHALL BE APPLIED IN TWO LAYERS. THE LOWER LAYER SHALL BE APPLIED TO OVERLAP THE UPPER LAYER 1/4" INCHES AND FASTENED TO THE DECKING TO STAY IN PLACE.  
D. THE UPPER LAYER SHALL BE APPLIED TO OVERLAP THE LOWER LAYER 1/4" INCHES AND FASTENED TO THE DECKING TO STAY IN PLACE.

**\* FLASHINGS**  
BASE AND COURSE OF FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FLASHING SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES. FLASHING SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES. FLASHING SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES.

**\* VALLEY FINISH**  
VALLEY FINISH SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VALLEY FINISH SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES. VALLEY FINISH SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES.

**\* DECK BOARD SECTIONS**  
DECK BOARD SECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DECK BOARD SECTIONS SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES. DECK BOARD SECTIONS SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES.

**\* CHIMNEY FLASHING**  
CHIMNEY FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CHIMNEY FLASHING SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES. CHIMNEY FLASHING SHALL BE APPLIED TO OVERLAP THE UNDERLAYMENT BY AT LEAST 2" INCHES.

**D ROOF NOTES**

**TABLE 8003.2.2 MINIMUM ROOF SHEATHING THICKNESS**

Rafters/Truss Spacing 24 in. o.c.	WIND SPEED							
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph
Minimum Sheathing Thickness, inches (Panel Span Rating)	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)
Minimum Sheathing Thickness, inches (Panel Span Rating) Exposure C	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)
Minimum Sheathing Thickness, inches (Panel Span Rating) Exposure D	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)	23/32 (48/24)

**TABLE 8003.2.3 7th Edition (2020) F&C ROOF SHEATHING ATTACHMENT**

Rafters/Truss Spacing 24 in. o.c.	WIND SPEED							
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph
Rafters/Truss Spacing 24 in. o.c.	E	F	F	E	F	E	F	E
Rafters/Truss Spacing 24 in. o.c. Exposure B	6	6	6	6	6	6	6	6
Rafters/Truss Spacing 24 in. o.c. Exposure C	6	6	6	6	6	6	6	6
Rafters/Truss Spacing 24 in. o.c. Exposure D	6	6	6	6	6	6	6	6

**\* ROOF VENTILATION**  
THE RATE OF TOTAL NET FREE VENTILATED AREA TO THE AREA OF THE CEILING SHALL BE NOT LESS THAN 1/150 THAT NATURALLY OCCURS TO THE ROOM PROVIDED:  
A. A VENTILATED ROOF SHALL HAVE A PERFORMANCE NOT EXCEEDING 1 PERCENT INLET AND 1 PERCENT OUTLET FOR THE ROOM.  
B. AT LEAST 50% OF THE TOTAL VENTILATED AREA SHALL BE LOCATED IN THE UPPER PORTION OF THE ROOM AT LEAST 1 FOOT ABOVE THE FINISHED FLOOR WITH THE BALANCE OF THE VENTILATED AREA PROVIDED BY ANY OF THE FOLLOWING:  
1. SH: FOUNDATION SIBERT (SEE BIDDING SECTION) FOR ADDITIONAL INFORMATION  
2. TRUSS MFR SHALL FURNISH DESIGN CALC'S, DRAWINGS, AND PERCENT INLET AND OUTLET AREA.  
3. TRUSSES SHALL BE BRACED PER F&C 2023 8TH EDITION & TP & BCSI 1-03 SECTION 13.2 & 13.2.3  
4. SIDING TRUSSES SHALL BE BRACED CONTINUOUS @ 10' O.C., STD. TRUSSES CONTINUOUS @ 15' O.C.  
5. MISSING UP/LIFT STRAP

**\* MISSING UP/LIFT STRAP**  
APPLY SIMPSON IFCM16 UP/LIFT STRAP TO HOND BEAM W/ (3) 1/4" DIA. TRUSSES & (4) 1/4" x 2 1/4" TITENS TO CMU UP/LIFT 1175

**\* WOOD**  
APPLY SIMPSON IFCM16 UP/LIFT STRAP TO TOP PLATE W/ (3) 1/4" DIA. TRUSSES & (4) 1/4" x 2 1/4" TITENS TO CMU UP/LIFT 1175

**\* DECKING FASTENINGS**  
Decking shall be fastened to the joists with decking fasteners in 12x24 inches and fasteners shall be spaced at 12 inches on center. Where the decking thickness is greater than 1 1/2 inches, fasteners shall be spaced at 12 inches on center. Where the decking thickness is greater than 1 1/2 inches, fasteners shall be spaced at 12 inches on center.

**TABLE 8003.2.3.1 7th Edition (2020) F&C ROOF SHEATHING ATTACHMENT**

Rafters/Truss Spacing 24 in. o.c.	WIND SPEED							
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph
Rafters/Truss Spacing 24 in. o.c.	E	F	F	E	F	E	F	E
Rafters/Truss Spacing 24 in. o.c. Exposure B	6	6	6	6	6	6	6	6
Rafters/Truss Spacing 24 in. o.c. Exposure C	6	6	6	6	6	6	6	6
Rafters/Truss Spacing 24 in. o.c. Exposure D	6	6	6	6	6	6	6	6

**E = Nail spacing along panel edges (inches)**  
**F = Nail spacing along intermediate supports in the panel field (inches)**

1. For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field.

2. Where rafter/truss spacing is less than 24 inches on center, roof sheathing fastening is permitted to be in accordance with the AWC WFCM or the AWC NDS.

COUNTY/CITY SEAL

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Boone Residence  
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CUSTOMER

SHEET INDEX

DESIGNER  
Home Design Ocala

PROJECT ENGINEER

STATE OF FLORIDA  
REGISTERED PROFESSIONAL ENGINEER  
No. 80877  
EXPIRES 12/31/2024

SCALE: DATE: FILE NAME: DRAWN BY: 4 OF 4

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