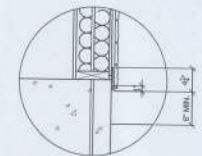
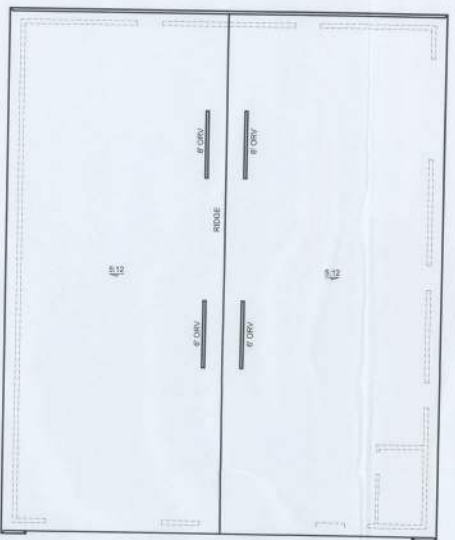


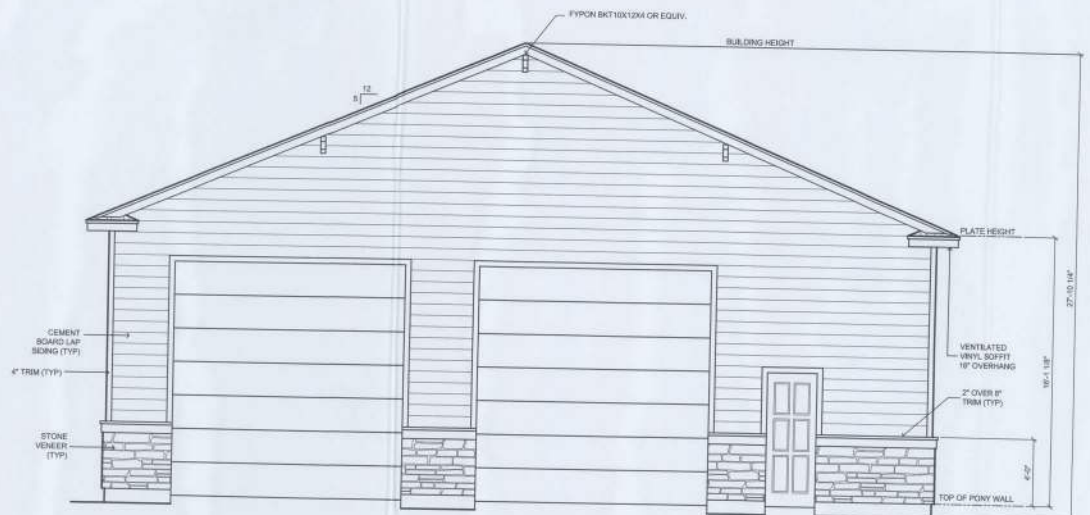
WALL SECTION (TYP)
SCALE: 1/2" = 1'-0"



TERMINATION OF STONE
STONE TERMINATION PER ASTM C-926
DRIP SCREED INSTALLED PER ASTM 1063-03



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



SOUTH ELEVATION

ATTIC VENTILATION AREA CALCULATIONS

Excerpt of the 2023 Building Code, Residential

R906.1 Ventilation required.
Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilating openings shall have a least dimension of 1 1/8 inch (14 mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilating openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire mesh screening, hardware cloth, or similar material with openings having a least dimension of 5/16 inch (7.9 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R902.1.6. Required ventilation openings shall open directly to the outside air.

Exception: Attic ventilation shall not be required when determined not necessary by the code official due to atmospheric or climatic conditions.

R906.2 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 ventilation area shall be 1000 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 (914 mm) below the ridge or highest point of the space, measured vertically, with the balance of the required ventilator provided by soave or gromec vents. Where the location of soave or roof framing members conflicts with the installation of upper ventilators, installers more than 3 feet (914 mm) below the ridge or highest point of the space shall be permitted.

R906.3 Vent and insulation clearance.
Where soave or cornice vents are installed, insulation shall not block the free flow of air. A minimum of a 1-inch (25 mm) space shall be provided between the insulation and the roof sheathing and at the location of the vent.

Ventilation Required		Square footage	
Attic		3000	
3000	± 300	10.0	
10.0	± 300(3%),	3.0	Square footage net free area req'd for vents

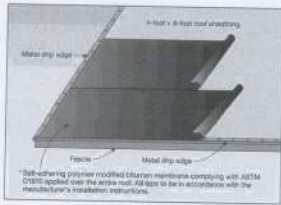
Roof Vent Specifications (per manufacturer)

- 4'-0" vents provides 1.0 sq. ft. net free space
- 5'-0" vents provides 1.5 sq. ft. net free space
- 6'-0" vents provides 2.0 sq. ft. net free space

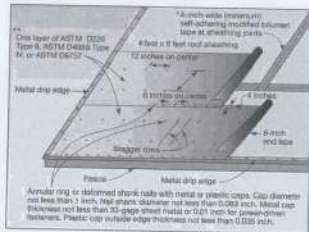
Vents Required	
(1) 4'-0" vents @ 1 sq. ft.	= 0.0
(1) 5'-0" vents @ 1.5 sq. ft.	= 0.0
(1) 6'-0" vents @ 2 sq. ft.	= 0.0

0.0 sq. ft. net free area provided by vents
0.0 sq. ft. net free area provided by soffit

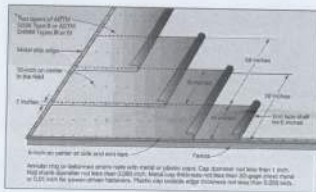
12.0 Total sq. ft. venting provided



Sealed Roof Deck Option #1



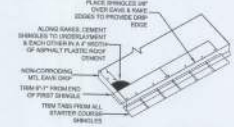
Sealed Roof Deck Option #2



Sealed Roof Deck Option #3

ROOFING DETAILS

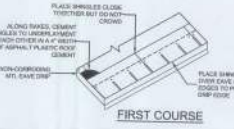
NOTE: DETAILS ARE FOR SLOPES OF 4:12 OR GREATER. FOR SLOPES BELOW 4:12, ALL ROOFING UNDERLAYMENT SHALL BE SELF-ADHERING SHEET MEMBRANE APPROVED BY THE SHINGLE MANUFACTURER FOR USE ON LOW SLOPE ROOFING PROJECTS.



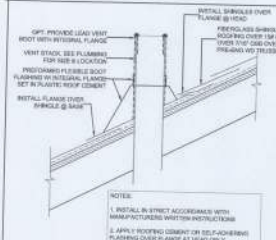
STARTER COURSE



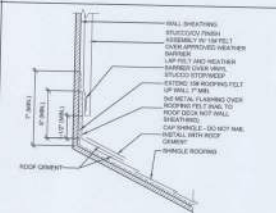
SHINGLE NAILING



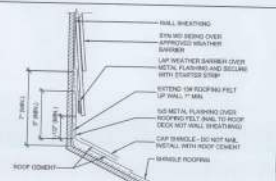
FIRST COURSE



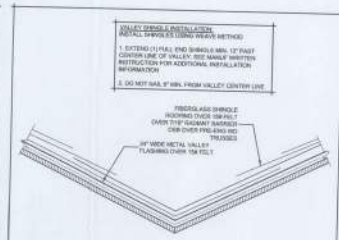
VENT STACK FLASHING DETAIL



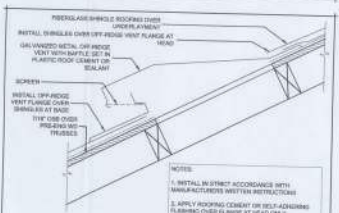
WALL FLASHING DETAIL - STUCCO



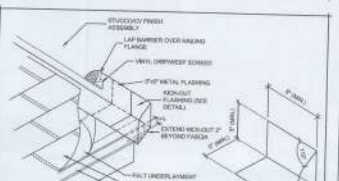
WALL FLASHING DETAIL - LAP SIDING



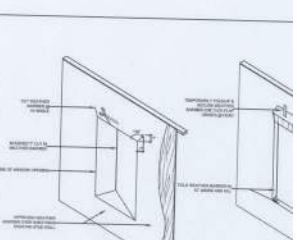
VALLEY FLASHING DETAIL



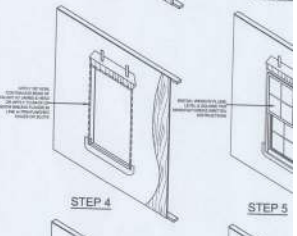
OFF-RIDGE VENT FLASHING DETAIL



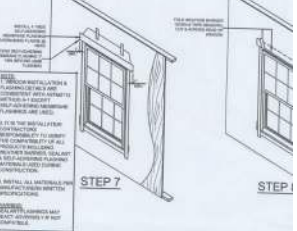
WALK/KICKOUT FLASHING DETAIL



STEP 1



STEP 4



STEP 7

WINDOW FLASHING INSTALLATION DETAILS

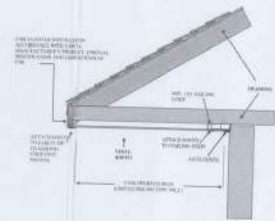


FIGURE R704.2.1
TYPICAL SINGLE-SPAN VINYL SOFFIT PANEL SUPPORT

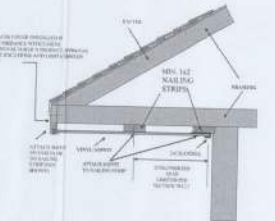
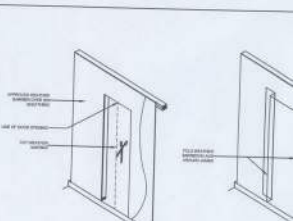
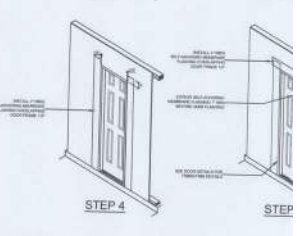


FIGURE R704.2.1
TYPICAL MULTI-SPAN VINYL SOFFIT PANEL SUPPORT

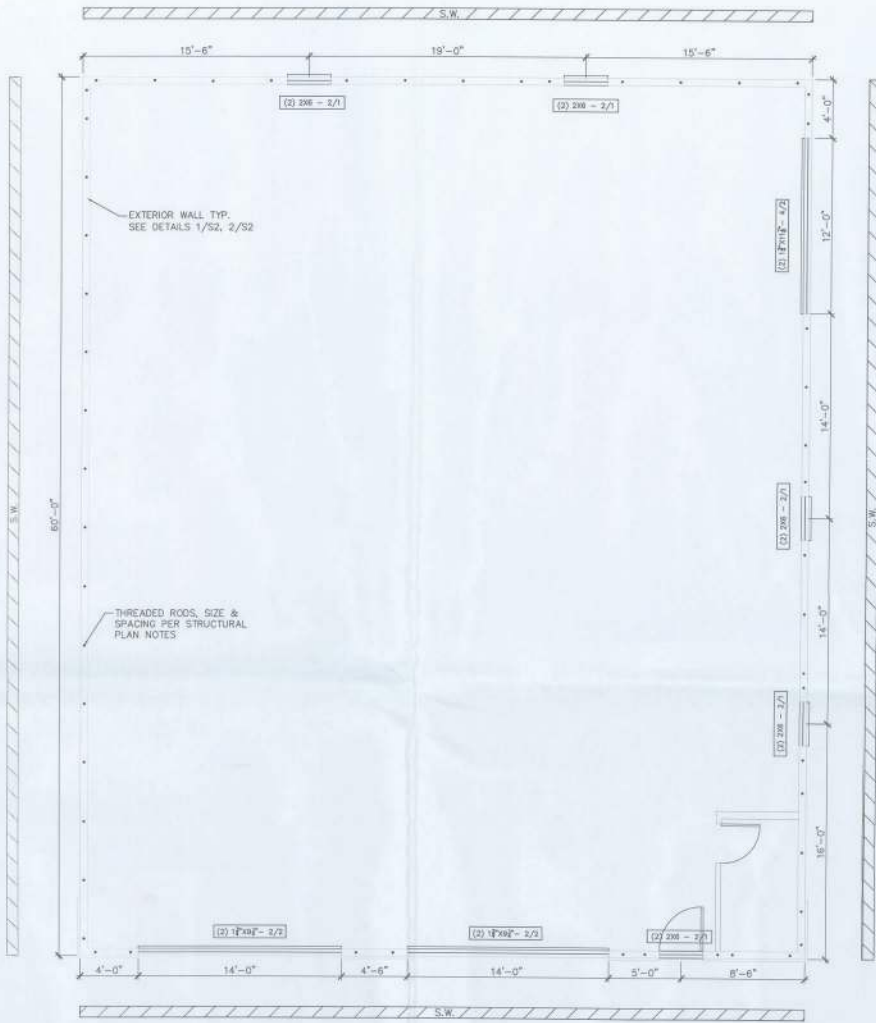


STEP 1

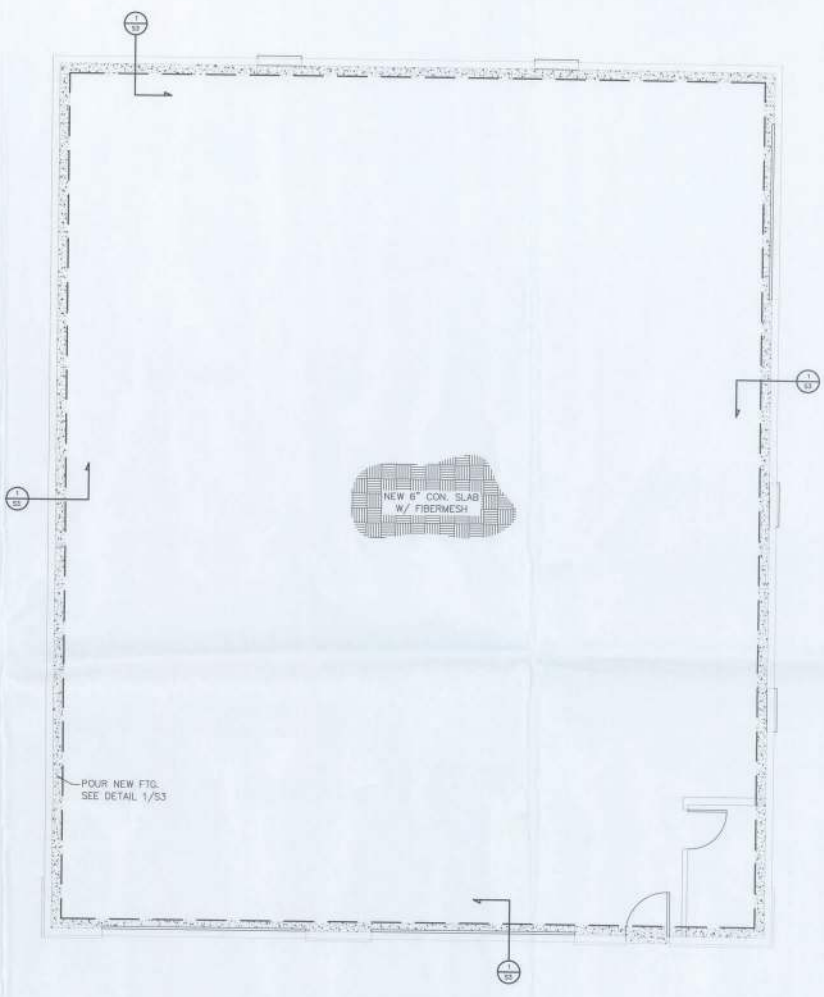


STEP 4

DOOR FLASHING INSTALLATION DETAILS



STRUCTURAL PLAN
1/4"=1'-0"



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

- STRUCTURAL PLAN NOTES**
THREADED ROD SYSTEM
- USE 1/2" DIA THREADED ROD & COUPLER & 1/2" ROD EPOXYED 3" MINIMUM THREADED ROD SHALL BE A307 STEEL W/ MINIMUM 200KSI WASHER & NUT AT TOP PLATE. THREADED RODS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:
 - 8" ADJACENT TO EACH CORNER
 - 12" EACH SIDE OF WALL OPENINGS
 - 48" IN FIELD BEARING WALLS THROUGHOUT
 - SHEARWALLS: SHEARWALLS ARE SHOWN APA RATED 1/2" MINIMUM STRUCTURAL PANELS INSTALLED W/ 1/2" WALLS @ THE FOLLOWING:
 - 1/2" x 1/2" x 1/2" CORNERS & 15" x 1/2" FIELD.
 - SHEARWALL HOLD-DOWNS: SHEARWALL CORNERS: STUDS TO FOUNDATION W/ 1/2" # THREADED RODS

HEADER / BEAM CALL-OUT LEGEND

CALL-OUT	DESCRIPTION
(2) 2#6 - 1/2	2#6 @ 12" O.C.

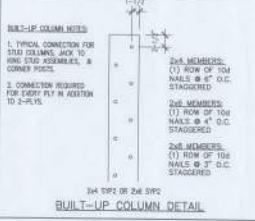
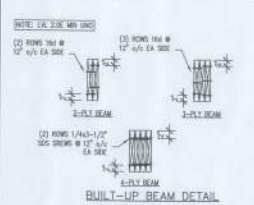
WHERE:
 (1) NUMBER OF PILES IN HEADER
 2#6 SIZE OF HEADER MATERIAL
 1" NO. OF JACK STUDS EA SIDE OPENING
 2" NO. OF KING STUDS EA SIDE OPENING

WALL HEIGHTS FOR 130 MPH WIND ENCLOSED BRITTLE FRAMES L/240

STUD SPACING	GRADE / SPEEDS	MAX HEIGHT
2x4	18" o.c. #2 SYP	9'-1 1/2"
2x4	12" o.c. #2 SYP	10'-1 1/2"
2x4	18" o.c. #2 SYP	13'-7 1/2"
2x4	18" o.c. #2 SYP	14'-7 1/2"
2x4	18" o.c. #2 SYP	20'-0"
2x10	18" o.c. #2 SYP	23'-0"

FLEXIBLE FINISHES L/230

STUD SPACING	GRADE / SPEEDS	MAX HEIGHT
2x4	18" o.c. #2 SYP	10'-1 1/2"
2x4	12" o.c. #2 SYP	11'-1 1/2"
2x4	18" o.c. #2 SYP	16'-1 1/2"
2x4	18" o.c. #2 SYP	17'-7 1/2"
2x4	18" o.c. #2 SYP	23'-1 1/2"
2x10	18" o.c. #2 SYP	26'-1 1/2"



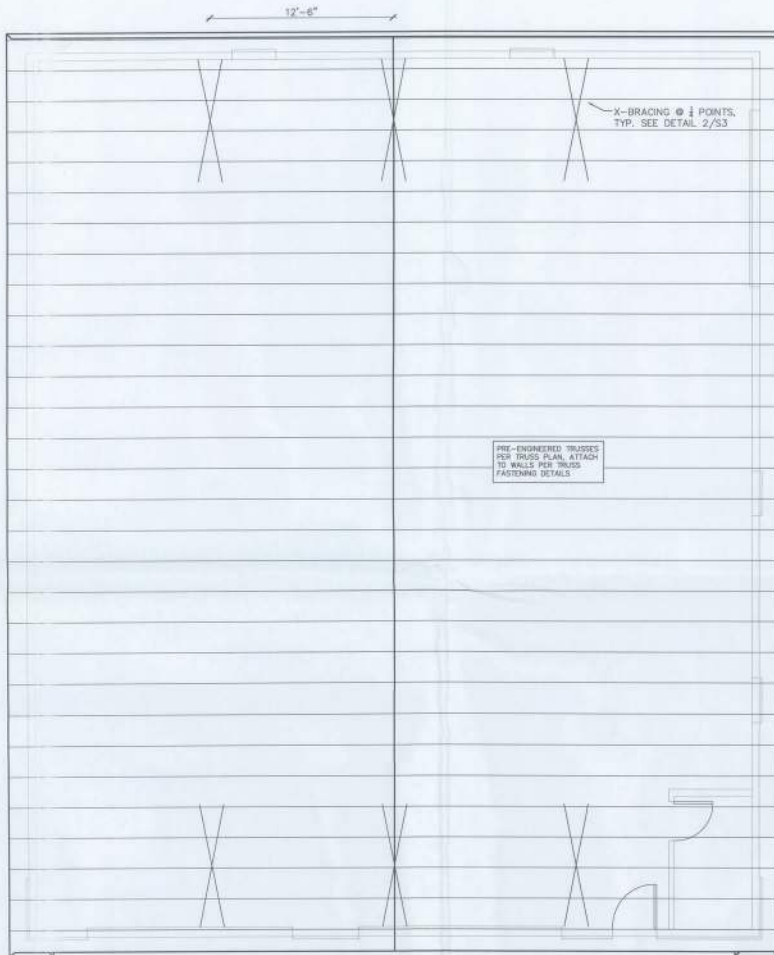
REV. #	DESCRIPTION	DATE
1		
2		
3		
4		
5		

LUCAS & SCOTT ENGINEERING INC.
 1527 SW 20th AVE. STE. 100
 BOCA RATON, FL 33433
 (561) 991-1111
 FL. PE. NO. 19499

STRUCTURAL & FOUNDATION PLAN
 NORTHEAST FLORIDA DESIGN

NEW BARN
 251 SW FENNIGAN WAY
 LAKE CITY, FLORIDA

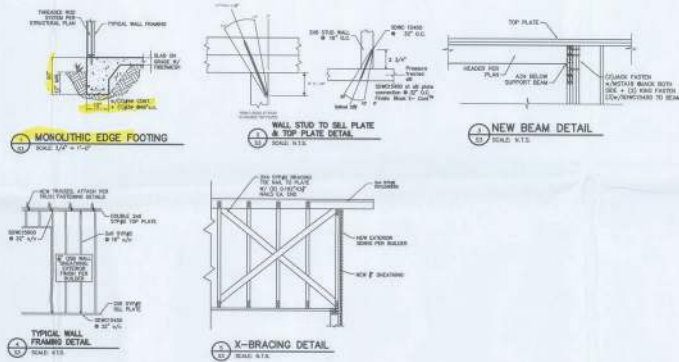
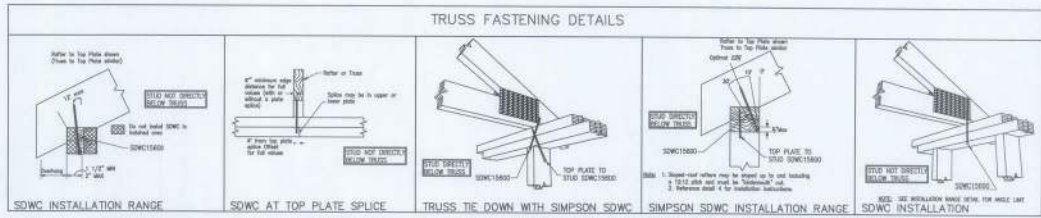
DESIGNED BY: VML
 DATE: 06/09/2025
 CHECKED BY: AS NOTED
 DRAWN BY: DVL
 PROJECT NO.: 20251152
 SHEET NO.: 3



ROOF PLAN
1/8"=1'-0"

ROOF PLAN NOTES:

1. SCHEMATIC ONLY.
2. SHEATHING SHALL BE 1/2" MIN. APA RATED OSB ATTACH W/ 8d RINGSHANK NAILS 6" o/c EDGES & 6" o/c FIELD.
3. SHINGLES & UNDERLAYMENT PER ARCHITECTURAL.
4. FASCIA & SOFFIT PER ARCHITECTURAL WALL SECTION.



REV. #	DESCRIPTION	DATE
1		
2		
3		
4		
5		

LUCAS & SCOTT ENGINEERING
1802 SW 10TH AVE. SUITE 100
LAKE CITY, FL 32809
TEL: 407-850-1800
WWW.LUCASANDSCOTT.COM

ROOF PLAN & DETAILS
NORTHEAST FLORIDA DESIGN

NEW BARN
251 SW FENNIGAN WAY
LAKE CITY, FLORIDA

DATE: 06/09/2025
SCALE: AS NOTED
DRAWN BY: DNL
CHECKED BY: DNL
DATE: 20251152