

GENERAL NOTES:

1. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE (FBC).
2. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ABOVE CODES AT THE TIME OF MANUFACTURE.
3. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
4. STRUCTURES ARE CLASSIFIED AS "MINOR STORAGE FACILITIES" (RISK CATEGORY I) PER TABLE 1604.5 AND SHOULD NOT BE USED FOR HUMAN HABITATION.
5. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT HAVE A 3 SECOND WIND GUST OF 160 MPH FOR RISK CATEGORY I STRUCTURES PER FIGURE 1609.3(4) OF THE 2023 FBC.
6. SIDING FASTENERS SHALL NOT BE INSTALLED IN PANEL SIDING GROOVES IN THE FIELD OF THE PANEL OR WHEN THE SIDING GROOVES OCCUR AT CUT EDGES OF THE SIDING PANEL.
7. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT ARE NOT IN FLOOD HAZARD AREAS.
8. IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF 720 SQUARE FEET OR LESS ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
9. IN ACCORDANCE WITH FBC 1010.1.1, BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE- AND TWO- FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE 2023 FBC.
10. ALL ROOF DECKING IS TO BE 7/16" OSB, 15/32" PLYWOOD, 1/2" PLYWOOD, OR EQUIVALENT. FASTEN ROOF SHEATHING TO ROOF FRAMING WITH 23/8" RING SHANK NAILS SPACED AT 6" MAX, UNLESS NOTED OTHERWISE ON SHEET S-1.6.
11. ALL SIDING IS TO BE TREATED 5/8" T1-11, 3/8" LP SMARTSIDE PANEL, 1/2" DURATEMP, LAP SIDING, OR 29 GA. METAL SIDING. 7/16" OSB WALL SHEATHING IS TO BE INSTALLED ON ALL WALLS USING LAP SIDING.

12. ALL FLOOR JOISTS ARE TO BE PRESSURE TREATED SYP #2, OR BETTER.
13. ALL UN-TREATED WOOD FRAMING IS TO BE TO BE SPF #2 OR BETTER, UNLESS NOTED OTHERWISE.
14. WOOD FRAMING SHALL COMPLY WITH THE ANSI/AWC "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", 2018.
15. ALL FLOOR DECKING IS TO BE 5/8" TREATED PLYWOOD OR 5/8" PERFORMAX 500 FLOOR SHEATHING. FLOORING CLOSER THAN 18 INCHES TO EXPOSED GROUND SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE- TREATED WOOD IN ACCORDANCE WITH 2304.12.1.1.
16. ALL SKIDS ARE TO BE 4x6 PRESSURE TREATED, RATED FOR GROUND CONTACT.
17. REFER TO THE SUPPLIED FASTENING SCHEDULE FOR FASTENING BASED ON CONNECTION AND LOCATION OF MEMBERS AS PER THE 2023 FLORIDA BUILDING CODE TABLE 2304.10.1, UNLESS NOTED OTHERWISE.
18. ALL EXTERIOR NAILS ARE TO BE ZINC COATED.
19. STRUCTURES SHOULD HAVE 30 YEAR RATED ASPHALT SHINGLES CONFORMING TO ASTM D3161 (CLASS F) OR ASTM D7158 (CLASS H) OR 29 GA METAL ROOF PANELS.
20. SECTIONS AND DETAILS SHOWN ARE INTENDED TO BE TYPICAL AND SHALL APPLY AT ALL SIMILAR LOCATIONS, UNLESS NOTED OTHERWISE.
21. ALL BUILDINGS ARE TO BE ADEQUATELY ANCHORED TO TO RESIST WIND LOADS. ANCHORING OF THE BUILDING IS SUBJECT TO LOCAL JURISDICTION APPROVAL.
22. BUILDINGS HAVE NOT BEEN DESIGNED FOR HVHZ REQUIREMENTS AS SET FORTH IN THE 2023 FBC.
23. METAL ROOFING AND SIDING SHALL BE 29 GAUGE STEEL CORRUGATED PANELS WITH A MINIMUM OF 3/4" RIBS AT 9 INCHES ON CENTER (Fy = 80 KSI MIN). PANELS SHALL BE GALVANIZED OR PAINTED.

DESIGN CRITERIA:

1. RISK CATEGORY I
2. LIVE LOADS:

FLOOR: 40 PSF

LOFT: 10 PSF

ROOF: 20 PSF

(REDUCIBLE PER FBC 1607.13.2.1)
3. DEAD LOADS:

FLOOR: 4 PSF

ROOF: 5 PSF

WALLS: 3 PSF
4. WIND LOADS ARE BASED ON THE FOLLOWING:

Vult = 160 MPH (2023 FBC FIGURE 1609.3(4))

Vasd = 124 MPH

RISK CATEGORY I

EXPOSURE CATEGORY C

INTERNAL PRESSURE COEFFICIENT:

GCpi = ±0.18

COMPONENTS & CLADDING:

EFFECTIVE WIND AREA, Ae = 10 FT²

ROOF-ZONE 1 = 22.1, -61.7 PSF

ROOF-ZONE 2 = 22.1, -81.6 PSF

ROOF-ZONE 3 = 22.1, -107.0 PSF

WALL-ZONE 4 = 33.4, -36.3 PSF

WALL-ZONE 5 = 33.4, -44.8 PSF

EFFECTIVE WIND AREA, Ae = 50 FT²

ROOF-ZONE 1 = 17.5, -41.6 PSF

ROOF-ZONE 2 = 17.5, -55.8 PSF

ROOF-ZONE 3 = 17.5, -71.5 PSF

WALL-ZONE 4 = 29.9, -32.8 PSF

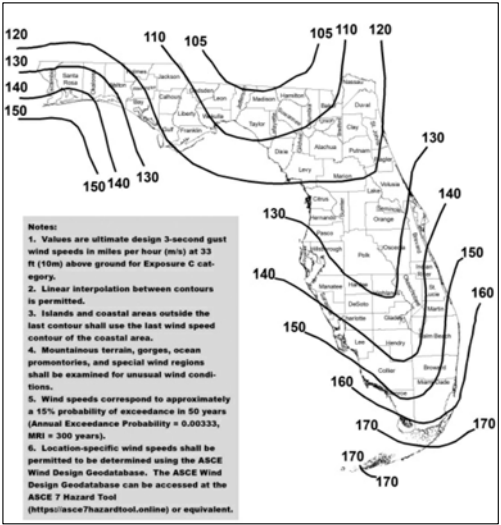
WALL-ZONE 5 = 29.9, -37.8 PSF

NOTE: C&C WIND PRESSURES SHOWN MAY BE REDUCED FOR LARGER AREAS AS ALLOWED BY CODE.

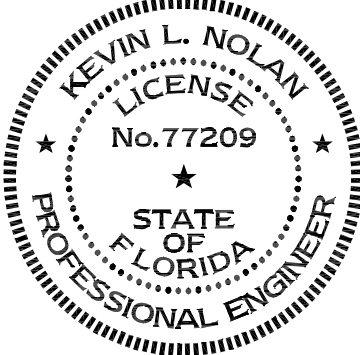
5. CONSTRUCTION TYPE: V-B
6. OCCUPANCY GROUP U

ITEMS BY OTHERS:

- THE FOLLOWING ITEMS MAY BE SUPPLIED AND INSTALLED BY OTHERS. THESE ITEMS MAY BE SUBJECT TO LOCAL JURISDICTION APPROVAL. WEATHER KING PORTABLE BUILDINGS IS NOT RESPONSIBLE FOR THESE ITEMS.
1. THE FOUNDATION AND TIE-DOWN SYSTEM
2. RAMPS, STAIRS, AND GENERAL ACCESS
3. ELECTRICAL SERVICE HOOKUP



WEATHER KING
P.O. BOX 108
PARIS, TN 38242



1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER

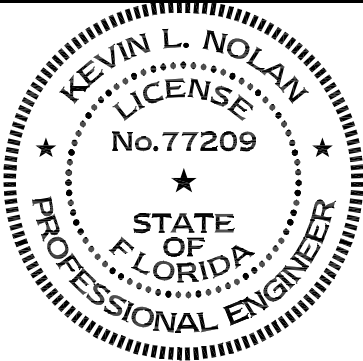
S-0

SCALE: NONE

FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENT	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
ROOF FRAMING		
1. BLOCKING BETWEEN CEILING JOISTS OR RAFTERS TO TOP PLATE OR OTHER FRAMING.	3 - 8d COMMON (2½" x 0.131") 3 - 10d BOX (3" x 0.128") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN 4 - 8d BOX (2½" x 0.113")	EACH END, TOENAIL
2. BLOCKING BETWEEN RAFTERS NOT AT THE WALL TOP PLATE, TO RAFTER.	2 - 8d COMMON (2½" x 0.131") 2 - 3" x 0.131" NAILS 2 - 3" 14 GAGE STAPLES	EACH END, TOENAIL
	2 - 16d COMMON (3½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
COLLAR TIE TO RAFTER	REFERENCE SHEETS S-2.4 AND S-2.5	
RAFTER OR ROOF TRUSS TO TOP PLATE	3 - 10d COMMON (3" x 0.148") 3 - 16d BOX (3½" x 0.135") 4 - 10d BOX (3" x 0.128") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES, ⅞" CROWN	TOENAIL ^b
CEILING JOISTS TO TOP PLATE	3 - 8d COMMON (2½" x 0.131") 3 - 10d BOX (3" x 0.128") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN 4 - 8d BOX (2½" x 0.113")	EACH JOIST. TOENAIL
WALL FRAMING		
STUD TO STUD (NOT AT BRACED WALL PANELS)	16d COMMON (3½" x 0.162")	24" O.C. FACE NAIL
	10d BOX (3" x 0.128") 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	16" O.C. FACE NAIL
STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3½" x 0.162")	16" O.C. FACE NAIL
	16d BOX (3½" x 0.135")	12" O.C. FACE NAIL
	3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN	12" O.C. FACE NAIL
CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2½" x 0.131") 4 - 10d BOX (3" x 0.128") 5 - 8d BOX (2½" x 0.113")	TOENAIL
TOP PLATE TO TOP PLATE	16d COMMON (3½" x 0.162")	16" O.C. FACE NAIL
	10d BOX (3" x 0.128") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, ⅞" CROWN	12" O.C. FACE NAIL

DESCRIPTION OF BUILDING ELEMENT	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
WALL FRAMING (CONT.)		
TOP PLATE TO TOP PLATE, AT END JOINTS	8 - 16d COMMON (3½" x 0.162") 12 - 10d BOX (3" x 0.128") 12 - 3" x 0.131" NAILS 12 - 3" 14 GAGE STAPLES, ⅞" CROWN	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3½" x 0.162")	16" O.C. FACE NAIL
	16d BOX (3½" x 0.135") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, ⅞" CROWN	12" O.C. FACE NAIL
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (AT BRACED WALL PANELS)	2 - 16d COMMON (3½" x 0.162") 3 - 16d BOX (3½" x 0.135") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES, ⅞" CROWN	16" O.C. FACE NAIL
STUD TO TOP OR BOTTOM PLATE	4 - 8d COMMON (2½" x 0.131") 4 - 10d BOX (3" x 0.128") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES, ⅞" CROWN 4 - 8d BOX (2½" x 0.113")	TOENAIL
	2 - 16d COMMON (3½" x 0.162") 3 - 10d BOX (3" x 0.128") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN	END NAIL
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2 - 16d COMMON (3½" x 0.162") 3 - 10d BOX (3" x 0.128") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN	FACE NAIL
FLOOR FRAMING		
JOIST TO SKID	3 - 8d COMMON (2½" x 0.131") 3 - 10d BOX (3" x 0.128") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN 4 - 8d BOX (2½" x 0.113")	TOENAIL
BUILT-UP BEAMS	10d BOX (3" x 0.128") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, ⅞" CROWN	24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	AND: 3 - 10d BOX (3" x 0.128") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES, ⅞" CROWN	ENDS AND AT EACH SPLICE, FACE NAIL
JOIST TO BAND JOIST OR RIM JOIST	3 - 16d COMMON (3½" x 0.162") 4 - 10d BOX (3" x 0.128") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES, ⅞" CROWN	END NAIL



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

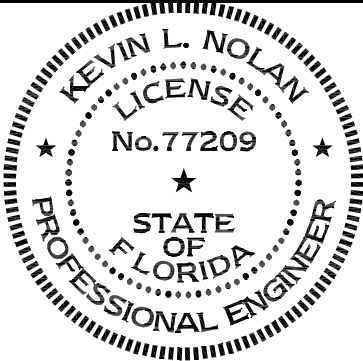


PROJECT NO:	SHEET NUMBER S-01 SCALE: NONE
DATE: 12-12-2023	
DRAWN BY: KLN	
CHECKED BY: KLN	
REVISION:	

FASTENING SCHEDULE (CONT.)

DESCRIPTION OF BUILDING ELEMENT	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
SUBFLOOR AND INTERIOR WALL SHEATHING ^a			
		EDGES (INCHES)	INTERMEDIATE SUPPORTS (INCHES)
3⁄8" TO 1⁄2"	6d COMMON OR DEFORMED (2" x 0.113") (SUBFLOOR AND WALL)	6	12
	23⁄8" x 0.113" NAIL (SUBFLOOR AND WALL)	6	12
	13⁄4" 16 GAGE STAPLE, 7⁄16" CROWN (SUBFLOOR AND WALL)	4	8
19⁄32" TO 3⁄4"	8d COMMON (2½" x 0.131") 6d DEFORMED (2" x 0.113") (SUBFLOOR AND WALL)	6	12
	EXTERIOR WALL SIDING		
WOOD SIDING TO WALL FRAMING	23⁄8" x 0.113" RING SHANK NAIL	6 (SIDE WALL)	6
	23⁄8" x 0.113" RING SHANK NAIL	3 (END WALL)	6

- a. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.
b. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



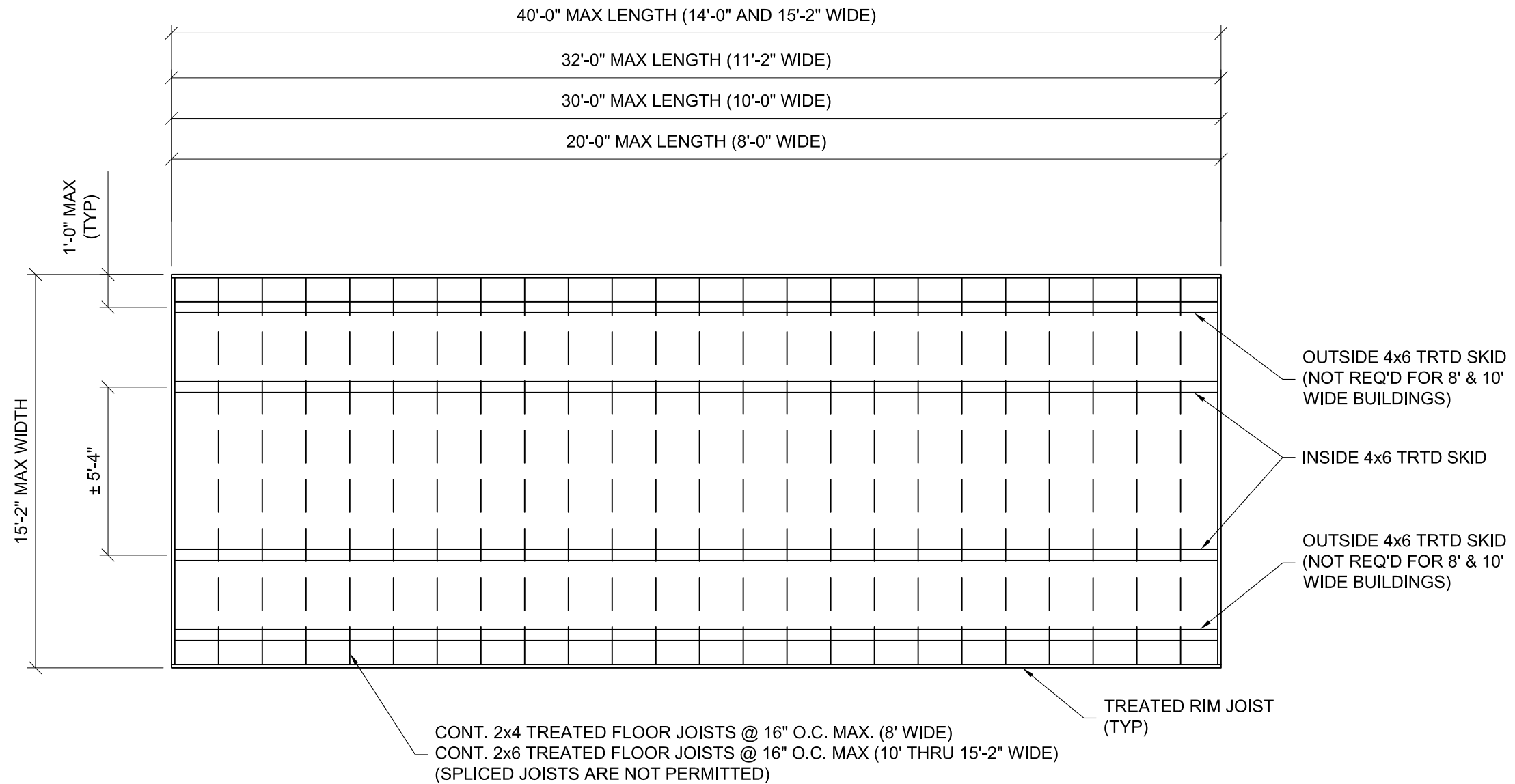
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER

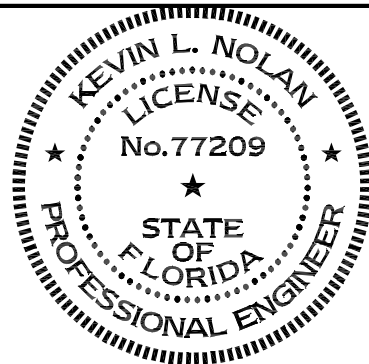
S-0.2

SCALE: NONE

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



TYPICAL FLOOR FRAMING PLAN



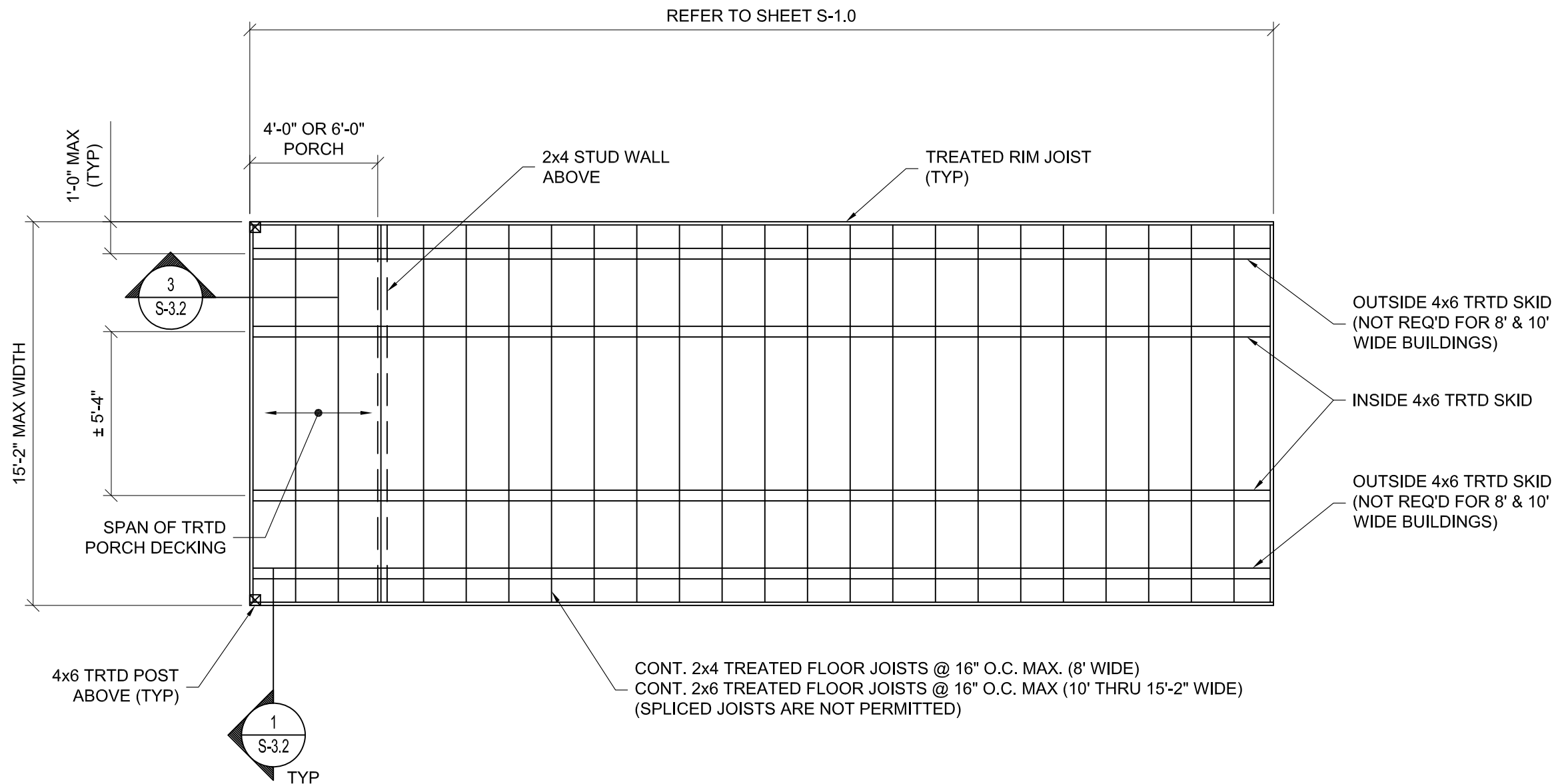
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

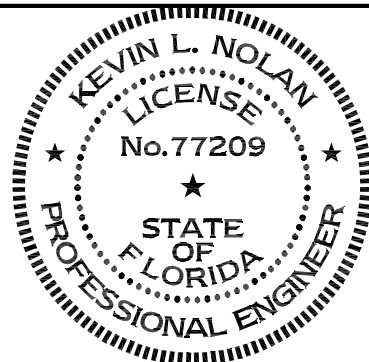


PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-1.0
SCALE: NOT TO SCALE



LOFTED BARN CABIN FLOOR FRAMING PLAN



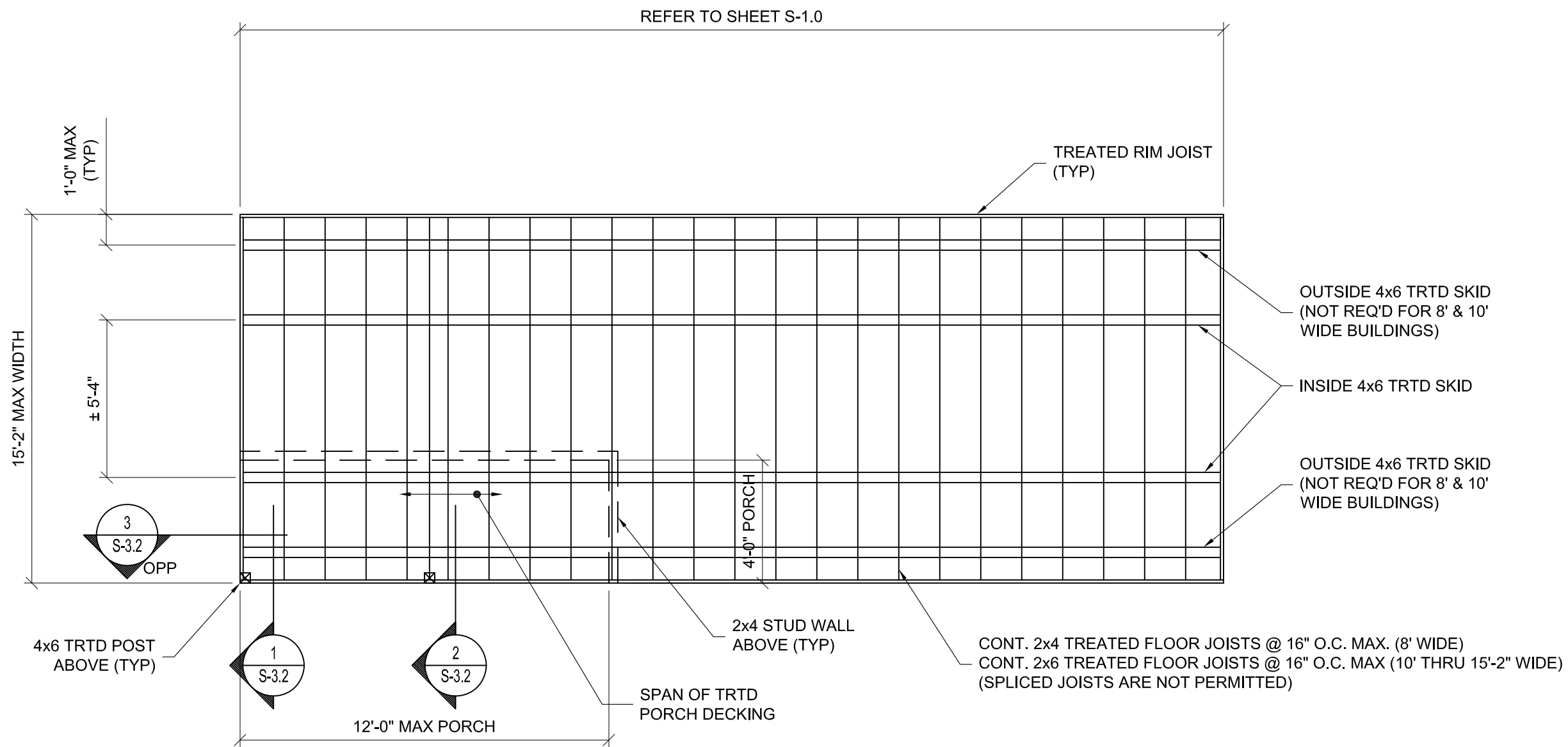
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



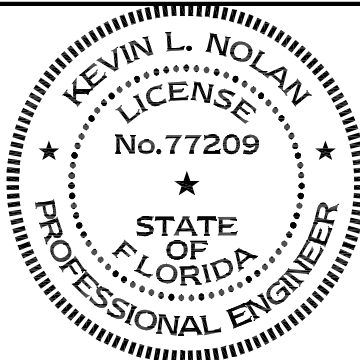
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-11
SCALE: NOT TO SCALE

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



SIDE LOFTED BARN CABIN FLOOR FRAMING PLAN

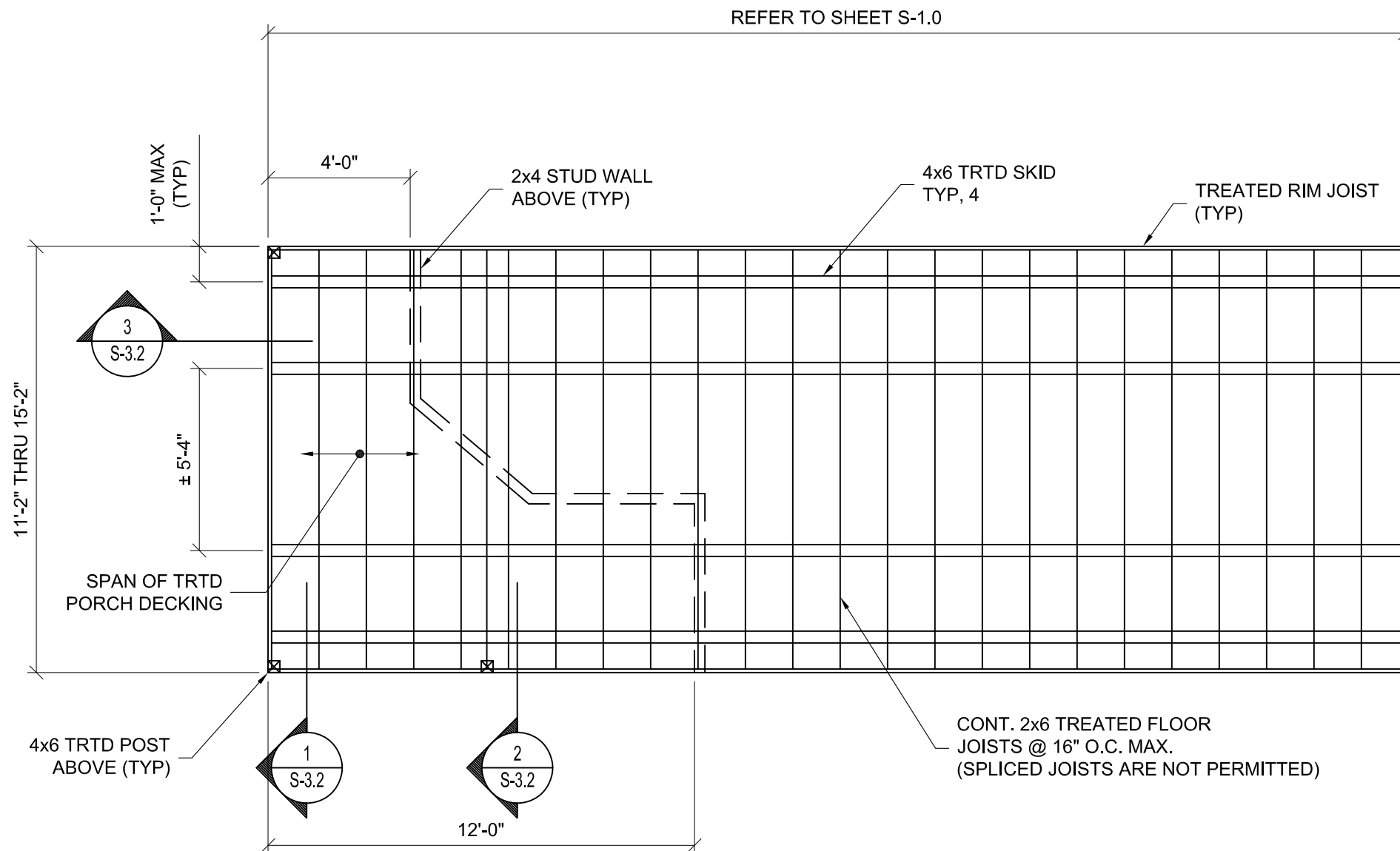


LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

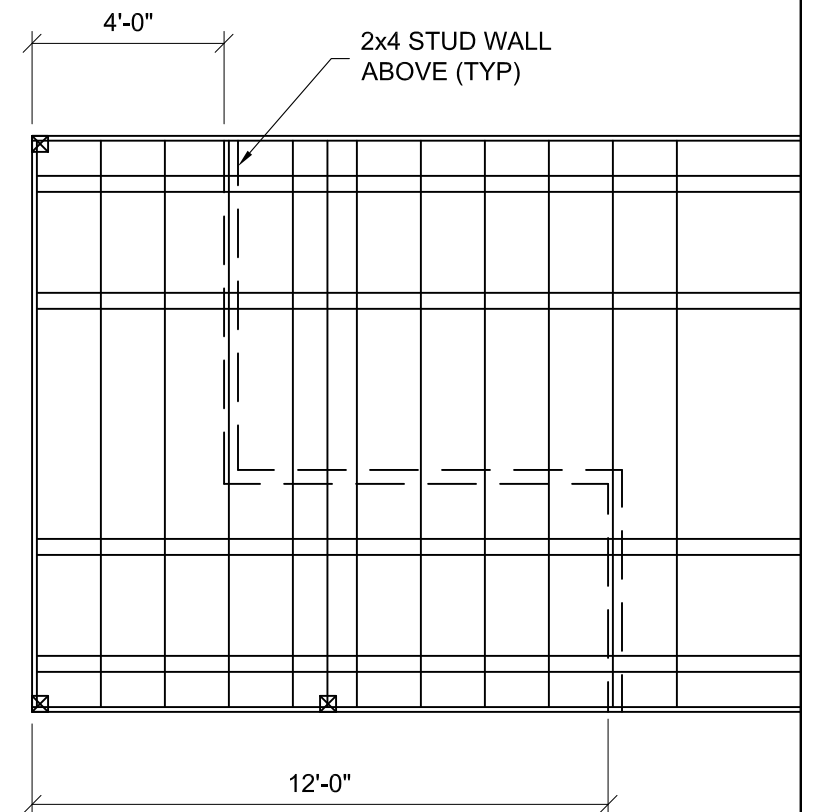


PROJECT NO:		SHEET NUMBER S-12 SCALE: NOT TO SCALE
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		

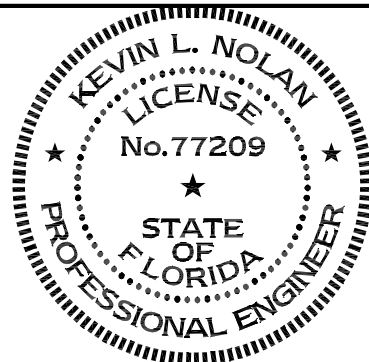
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



DELUXE LOFTED BARN CABIN FLOOR FRAMING PLAN



ALTERNATE DELUXE LOFTED BARN CABIN
FRONT WALL LAYOUT



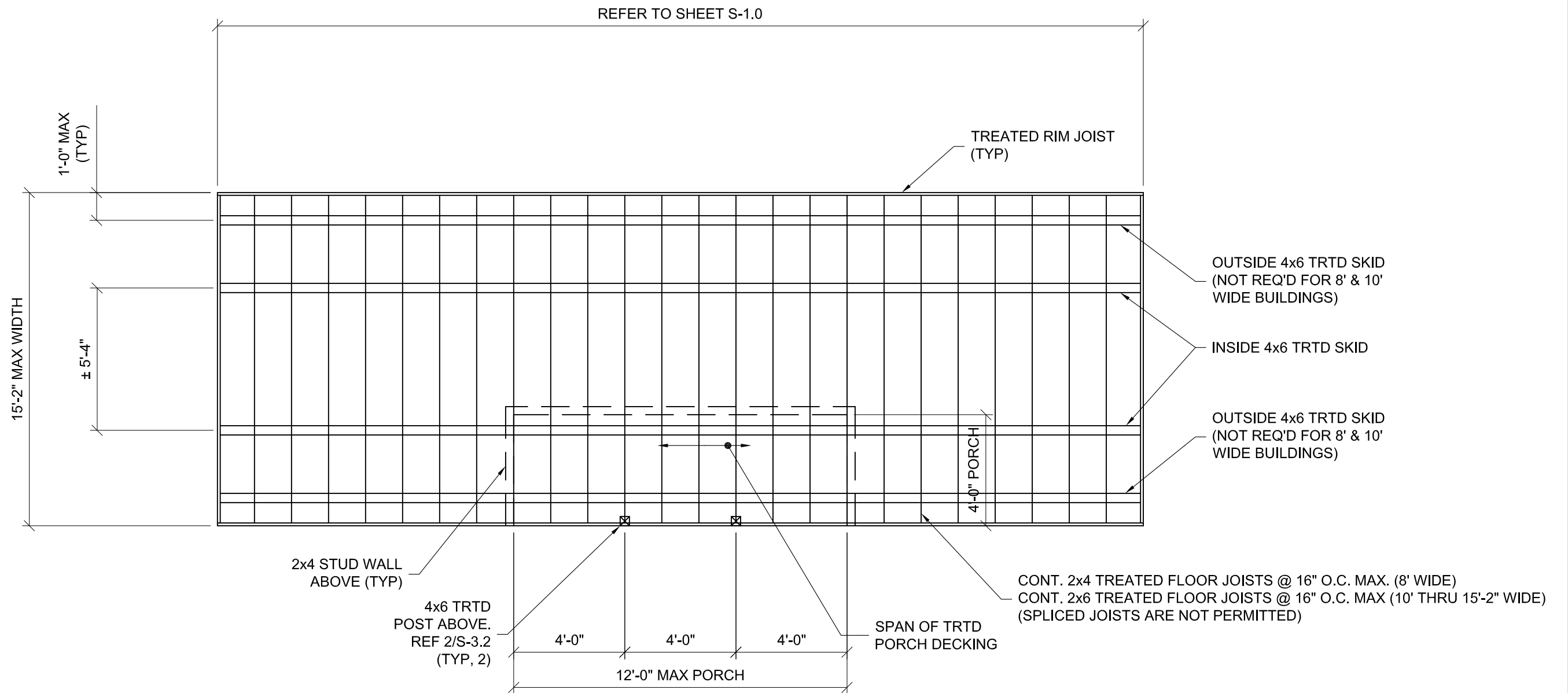
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

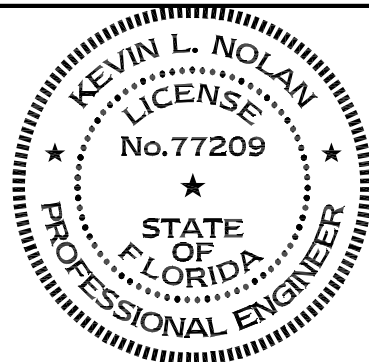


PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-13
SCALE: NOT TO SCALE



CENTER PORCH CABIN FLOOR FRAMING PLAN



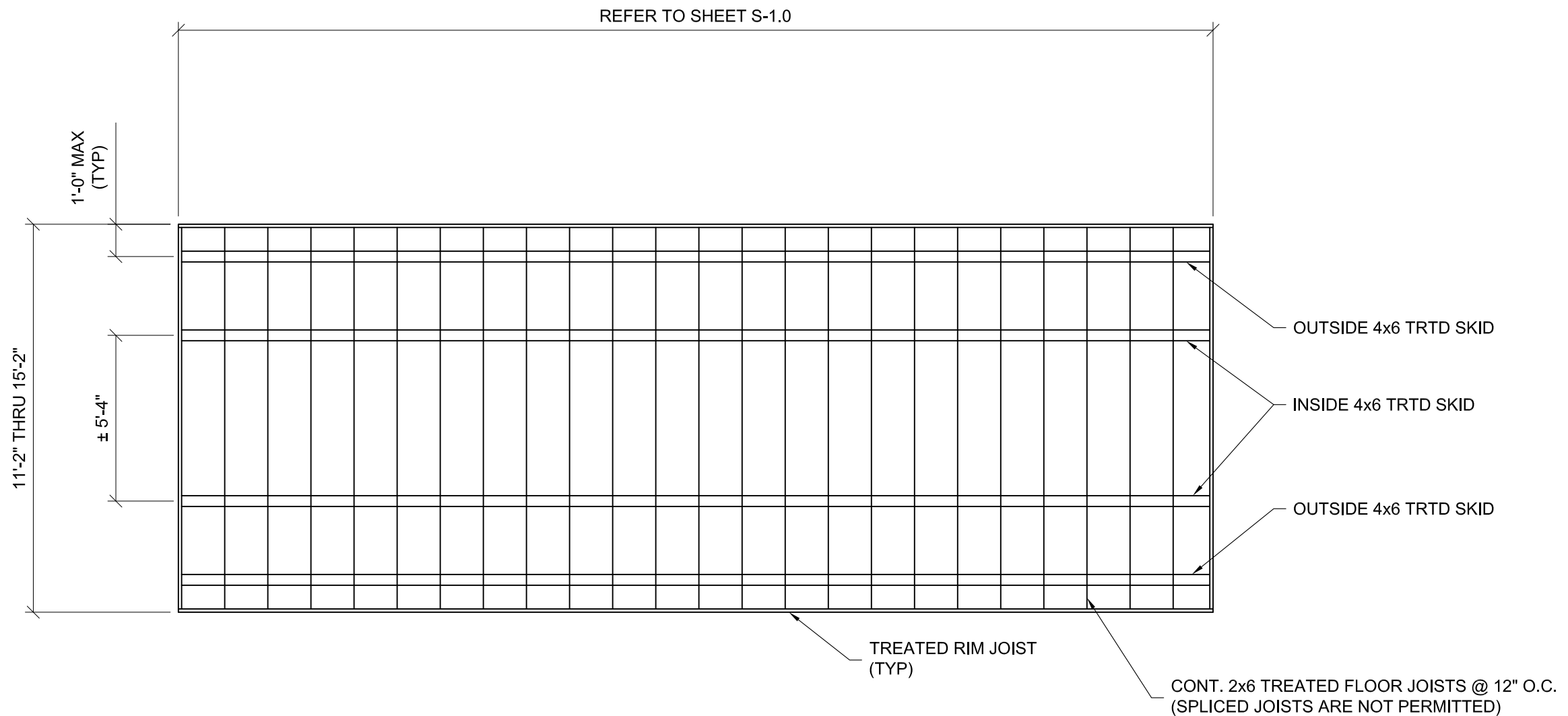
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



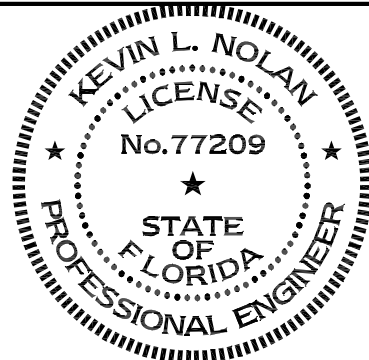
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-14
SCALE: NOT TO SCALE

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



LOFTED BARN w/ ROLL-UP DOOR FLOOR FRAMING PLAN



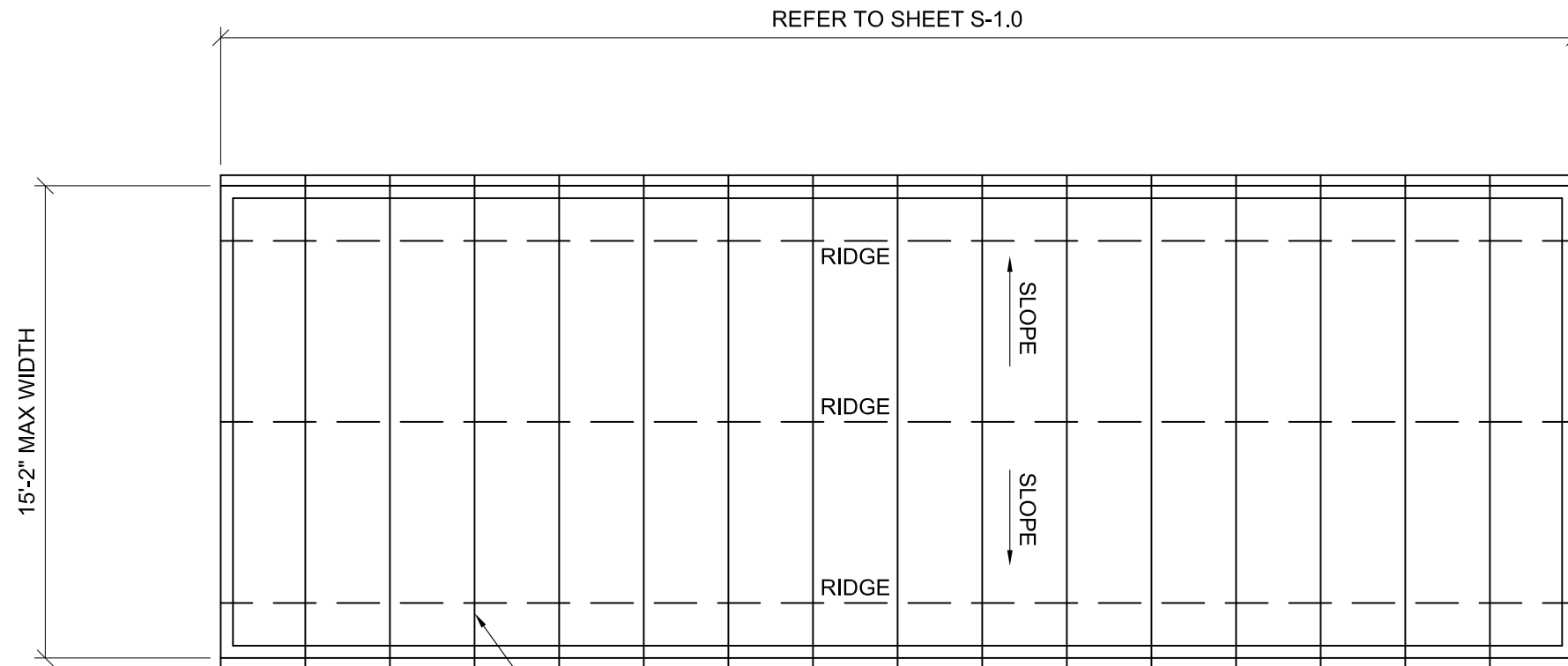
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



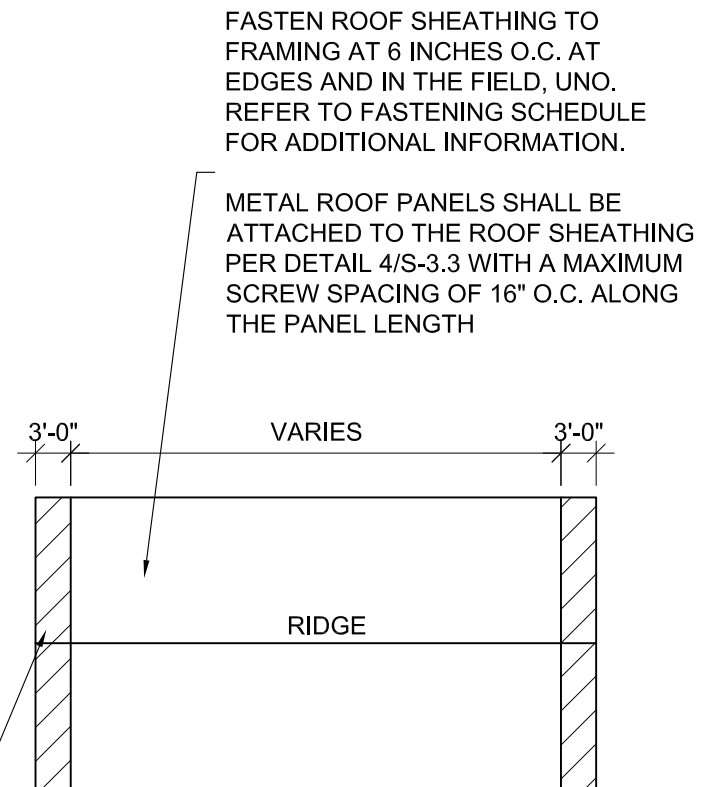
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-15
SCALE: NOT TO SCALE

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
 2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



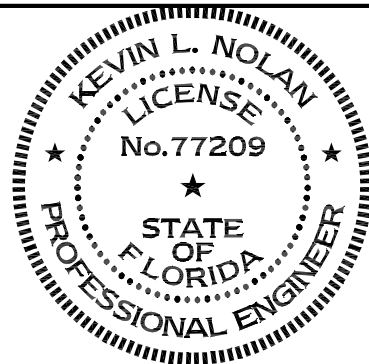
ROOF FRAMING PLAN



ROOF SHEATHING DIAGRAM

FASTEN ROOF SHEATHING TO FRAMING AT 4 INCHES O.C. AT EDGES AND IN THE FIELD WITHIN THE END STRIP AT EACH ENDWALL. REFER TO FASTENING SCHEDULE FOR ADDITIONAL INFORMATION.

METAL ROOF PANELS WITHIN EACH END STRIP SHALL BE ATTACHED TO THE ROOF SHEATHING PER DETAIL 4/S-3.3 WITH A MAXIMUM SCREW SPACING OF 10" O.C. ALONG THE PANEL LENGTH



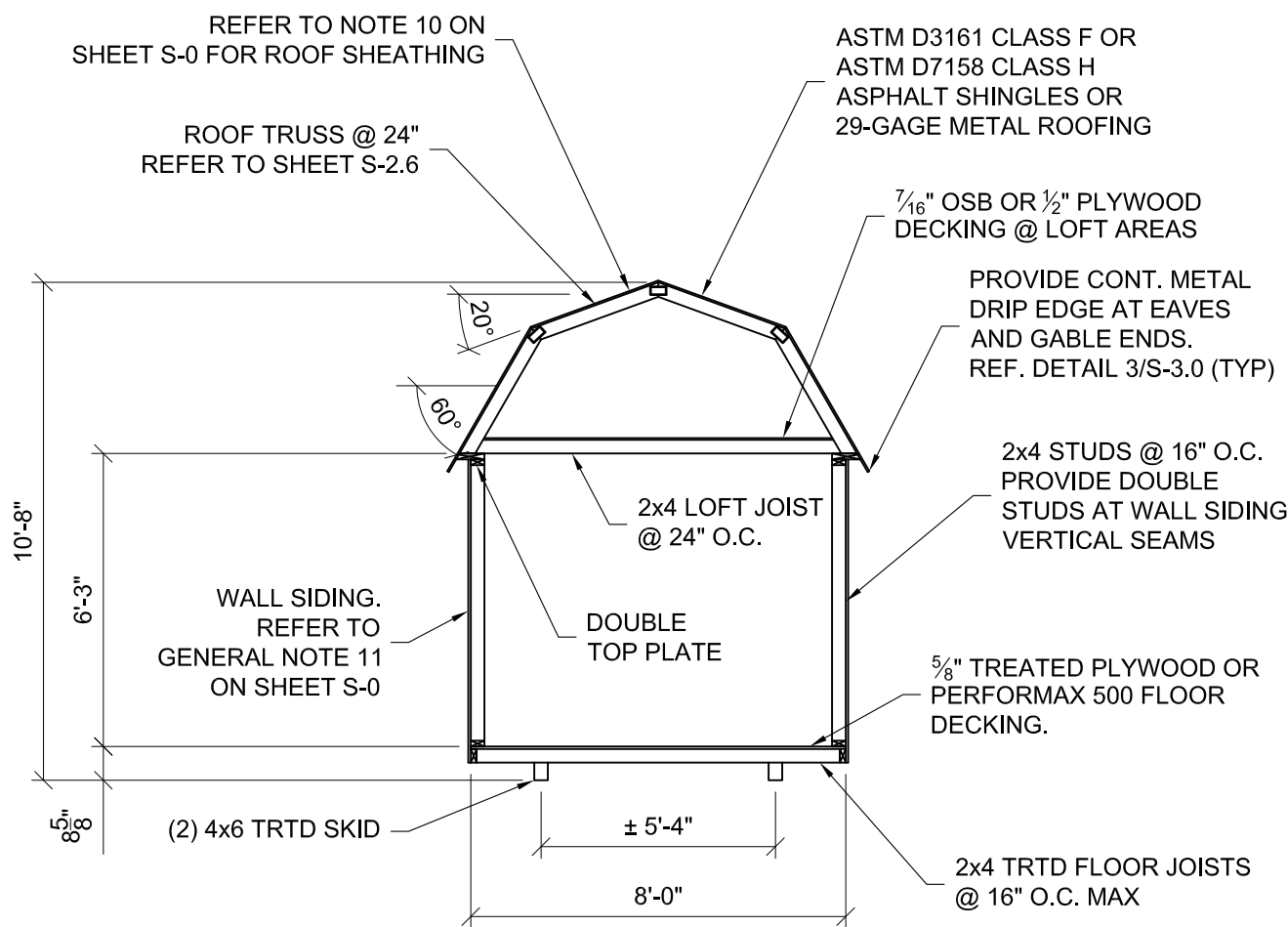
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

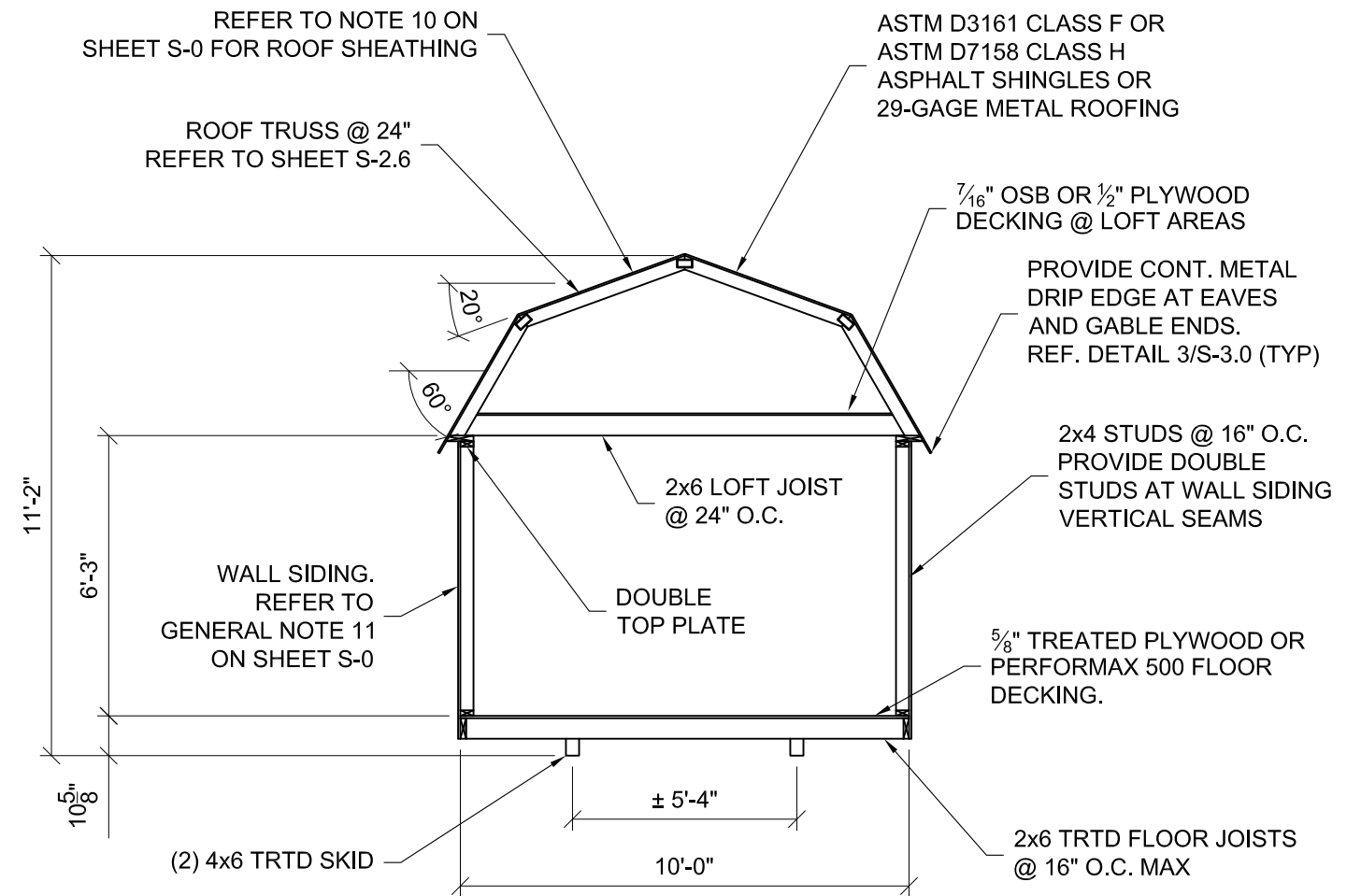


PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-1.6
SCALE: NOT TO SCALE



8' WIDE



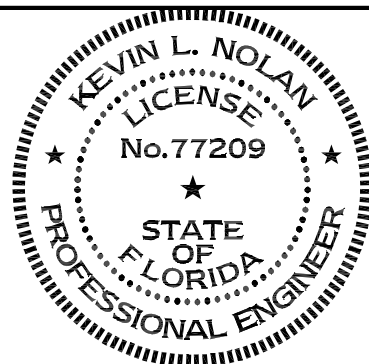
10' WIDE

NOTES FOR METAL WALL/ROOF PANELS:

- 1) METAL WALL PANELS WITH THE RIBS RUNNING HORIZONTALLY SHALL BE ATTACHED TO WALL SHEATHING PER DETAIL 4 ON SHEET S-3.3 AND DETAIL 1 ON SHEET S-3.4.
- 2) METAL WALL PANELS WITH THE RIBS RUNNING VERTICALLY SHALL BE ATTACHED TO 2x4 GIRTS IN ACCORDANCE WITH DETAILS 2 AND 3 ON SHEET S-3.3.
- 3) METAL PANELS ATTACHED DIRECTLY TO WOOD FRAMING SHALL BE ATTACHED IN ACCORDANCE WITH DETAIL 3 ON SHEET S-3.3
- 4) METAL PANELS ATTACHED TO DECKING SHALL BE ATTACHED IN ACCORDANCE WITH DETAIL 4 ON SHEET S-3.3

BUILDING SECTIONS

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 & S-0.2 FOR MEMBER ATTACHMENTS UNLESS NOTED OTHERWISE.

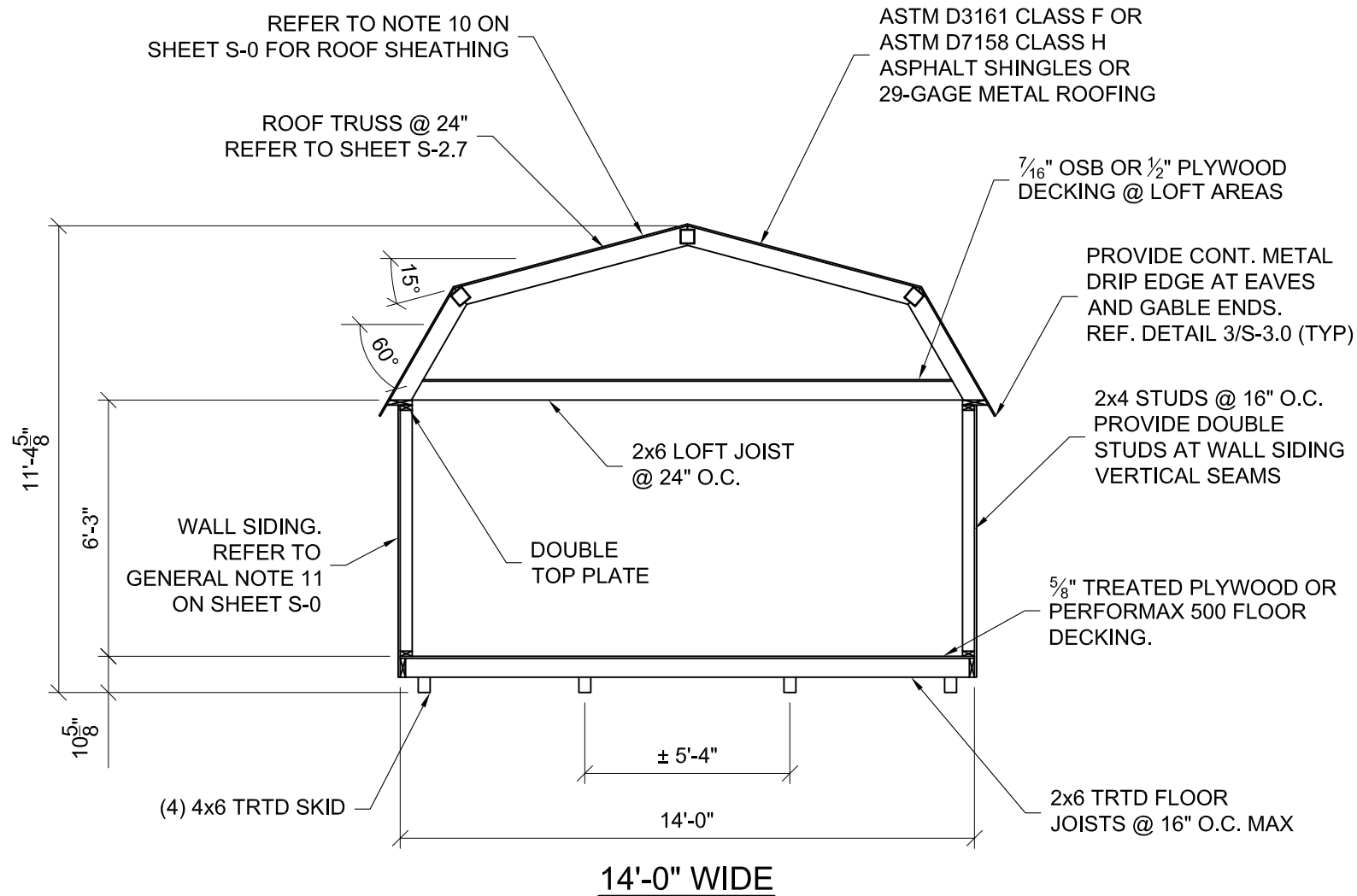
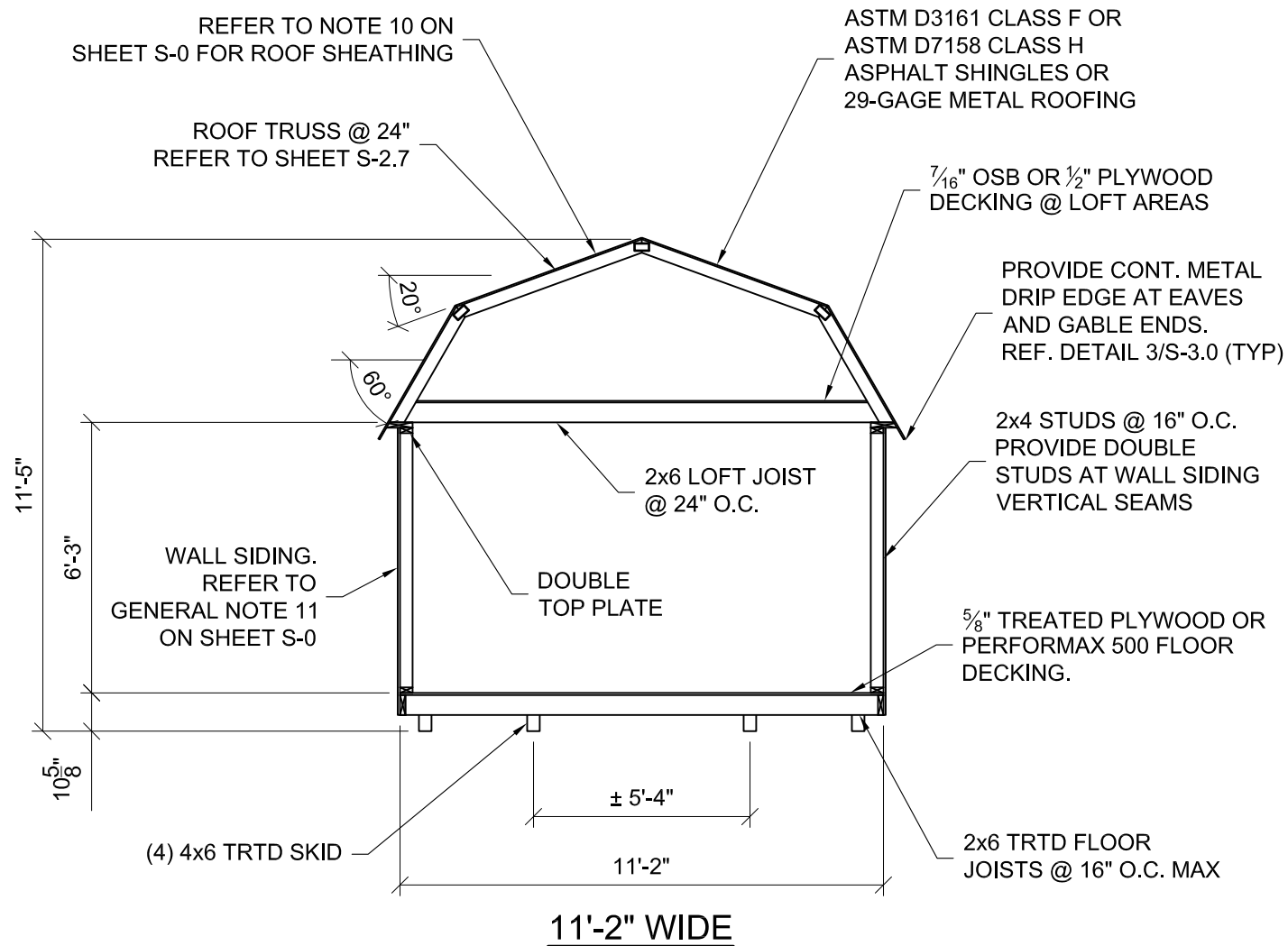


1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



PROJECT NO:		SHEET NUMBER S-20 SCALE: 1/4" = 1'-0"
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		

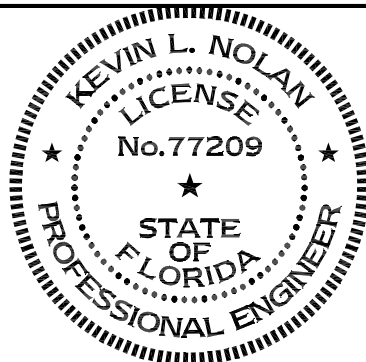


NOTES FOR METAL WALL/ROOF PANELS:

- 1) METAL WALL PANELS WITH THE RIBS RUNNING HORIZONTALLY SHALL BE ATTACHED TO WALL SHEATHING PER DETAIL 4 ON SHEET S-3.3 AND DETAIL 1 ON SHEET S-3.4.
- 2) METAL WALL PANELS WITH THE RIBS RUNNING VERTICALLY SHALL BE ATTACHED TO 2x4 GIRTS IN ACCORDANCE WITH DETAILS 2 AND 3 ON SHEET S-3.3.
- 3) METAL PANELS ATTACHED DIRECTLY TO WOOD FRAMING SHALL BE ATTACHED IN ACCORDANCE WITH DETAIL 3 ON SHEET S-3.3
- 4) METAL PANELS ATTACHED TO DECKING SHALL BE ATTACHED IN ACCORDANCE WITH DETAIL 4 ON SHEET S-3.3

BUILDING SECTIONS

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 & S-0.2 FOR MEMBER ATTACHMENTS UNLESS NOTED OTHERWISE.

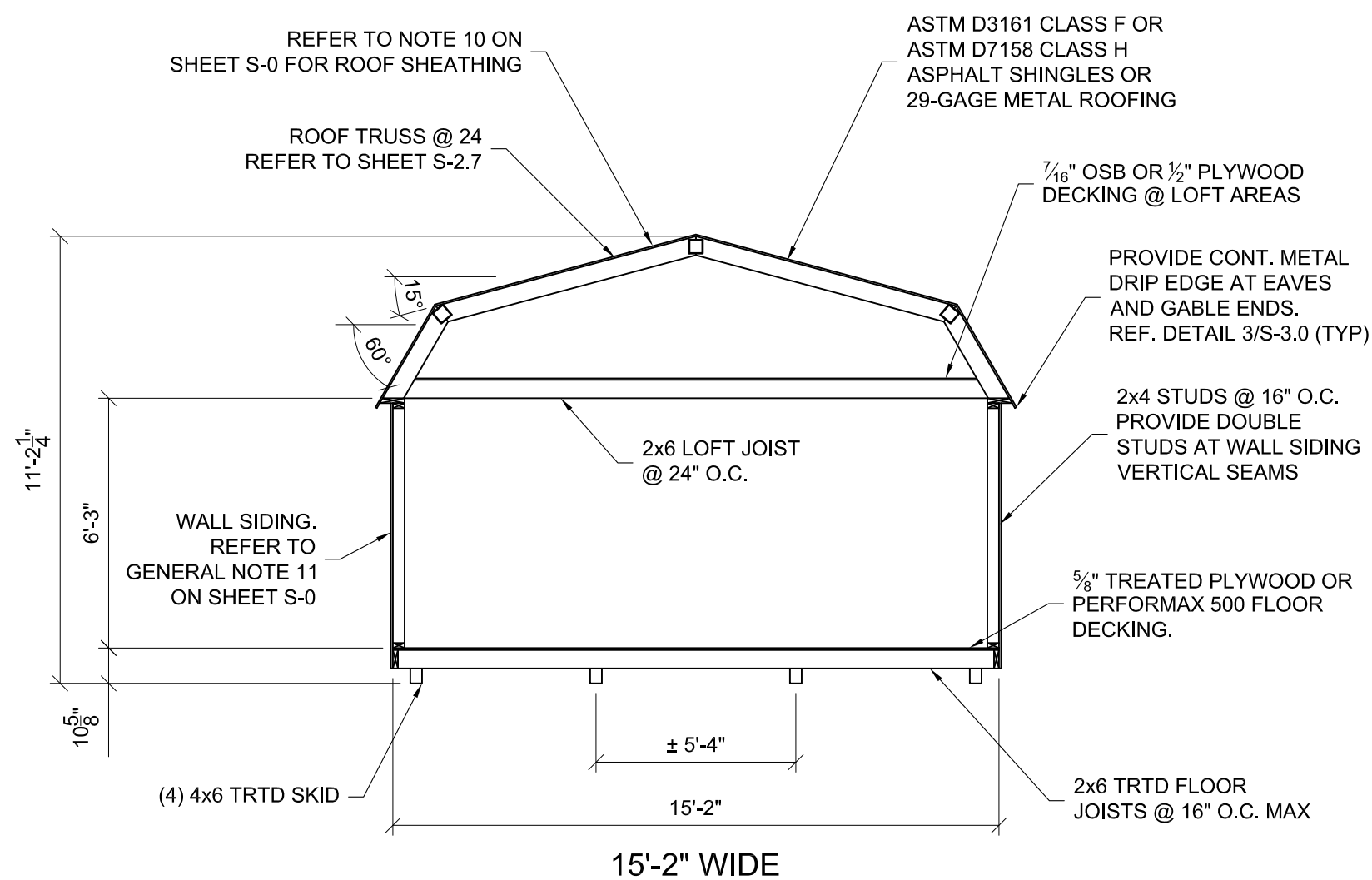


LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



PROJECT NO:		SHEET NUMBER S-21 SCALE: 1/4" = 1'-0"
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		

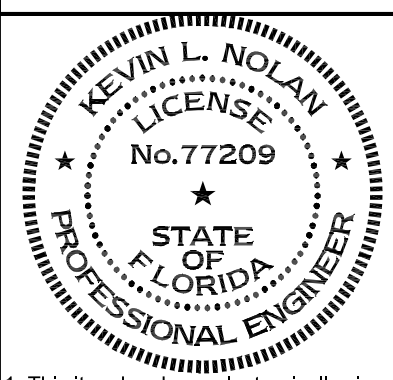
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



- NOTES FOR METAL WALL/ROOF PANELS:
- 1) METAL WALL PANELS WITH THE RIBS RUNNING HORIZONTALLY SHALL BE ATTACHED TO WALL SHEATHING PER DETAIL 4 ON SHEET S-3.3 AND DETAIL 1 ON SHEET S-3.4.
 - 2) METAL WALL PANELS WITH THE RIBS RUNNING VERTICALLY SHALL BE ATTACHED TO 2x4 GIRTS IN ACCORDANCE WITH DETAILS 2 AND 3 ON SHEET S-3.3.
 - 3) METAL PANELS ATTACHED DIRECTLY TO WOOD FRAMING SHALL BE ATTACHED IN ACCORDANCE WITH DETAIL 3 ON SHEET S-3.3
 - 4) METAL PANELS ATTACHED TO DECKING SHALL BE ATTACHED IN ACCORDANCE WITH DETAIL 4 ON SHEET S-3.3

BUILDING SECTION

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 & S-0.2 FOR MEMBER ATTACHMENTS UNLESS NOTED OTHERWISE.

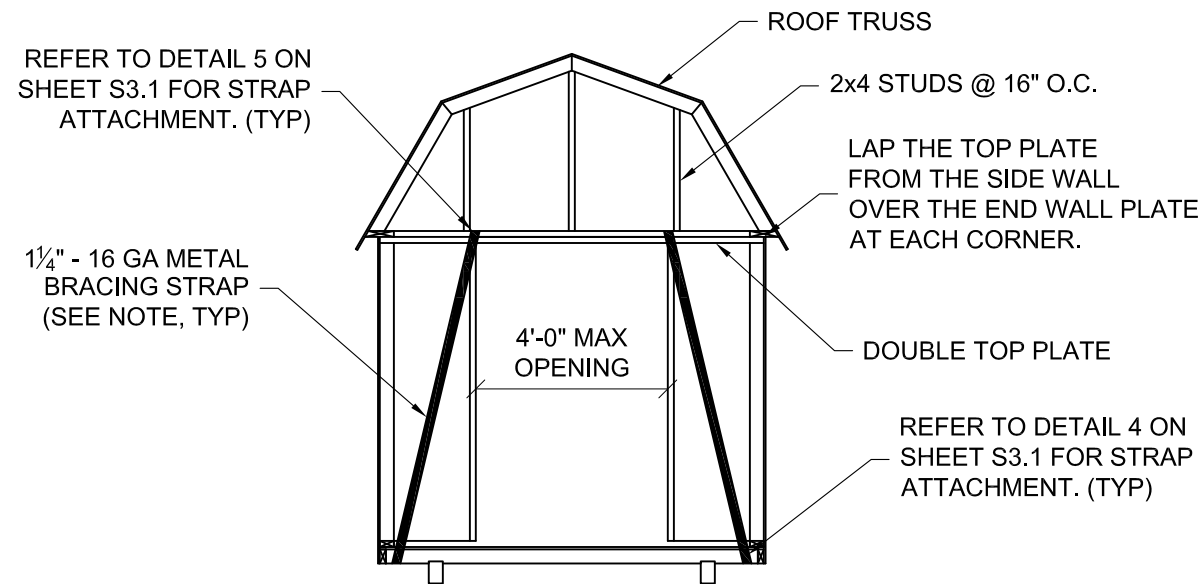


LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

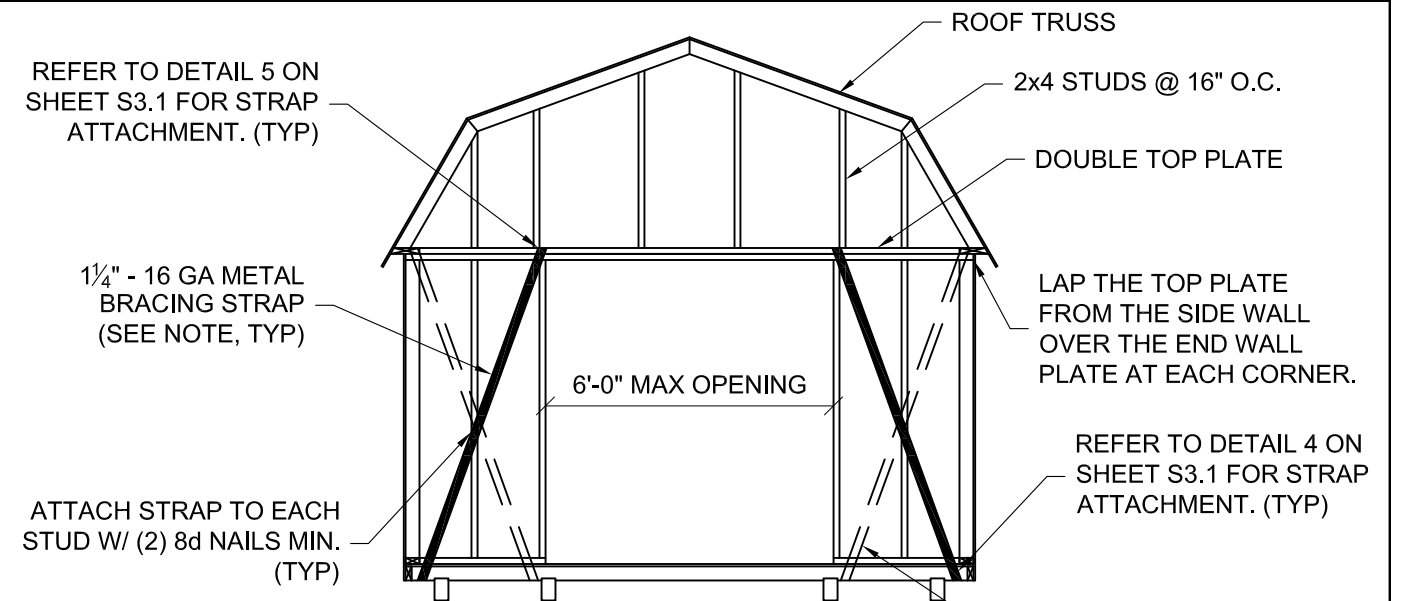


PROJECT NO:		SHEET NUMBER S-22 SCALE: NOT TO SCALE
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		

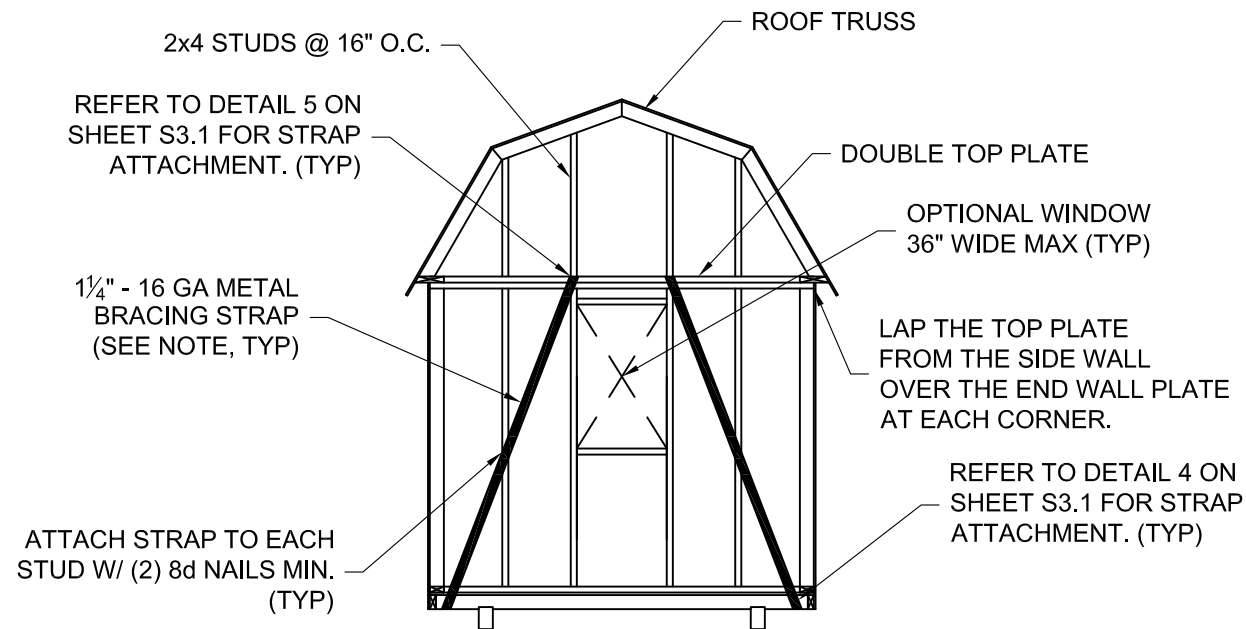
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



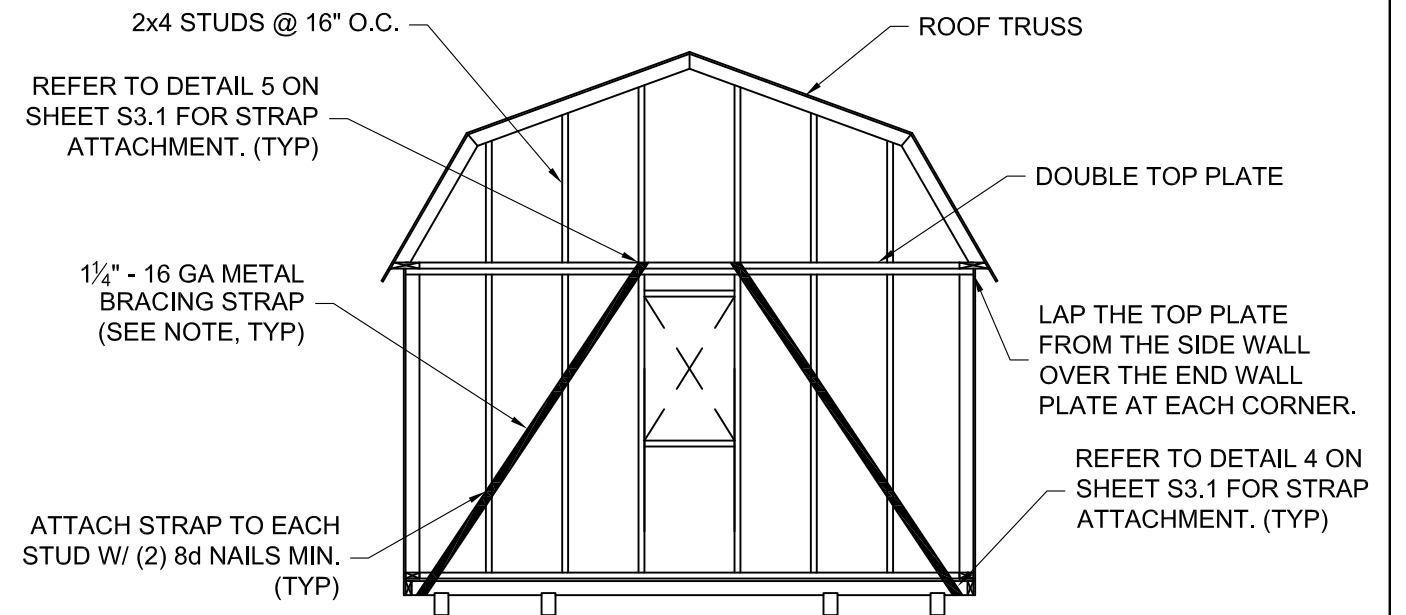
8' WIDE FRONT ENDWALL



10'-0" WIDE FRONT ENDWALL

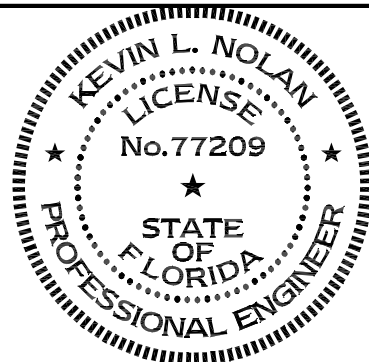


8' WIDE REAR ENDWALL



10'-0" WIDE REAR ENDWALL

NOTE: METAL STRAP BRACING IS NOT REQUIRED FOR WALLS SHEATHED WITH WOOD SIDING, PLYWOOD, OR OSB



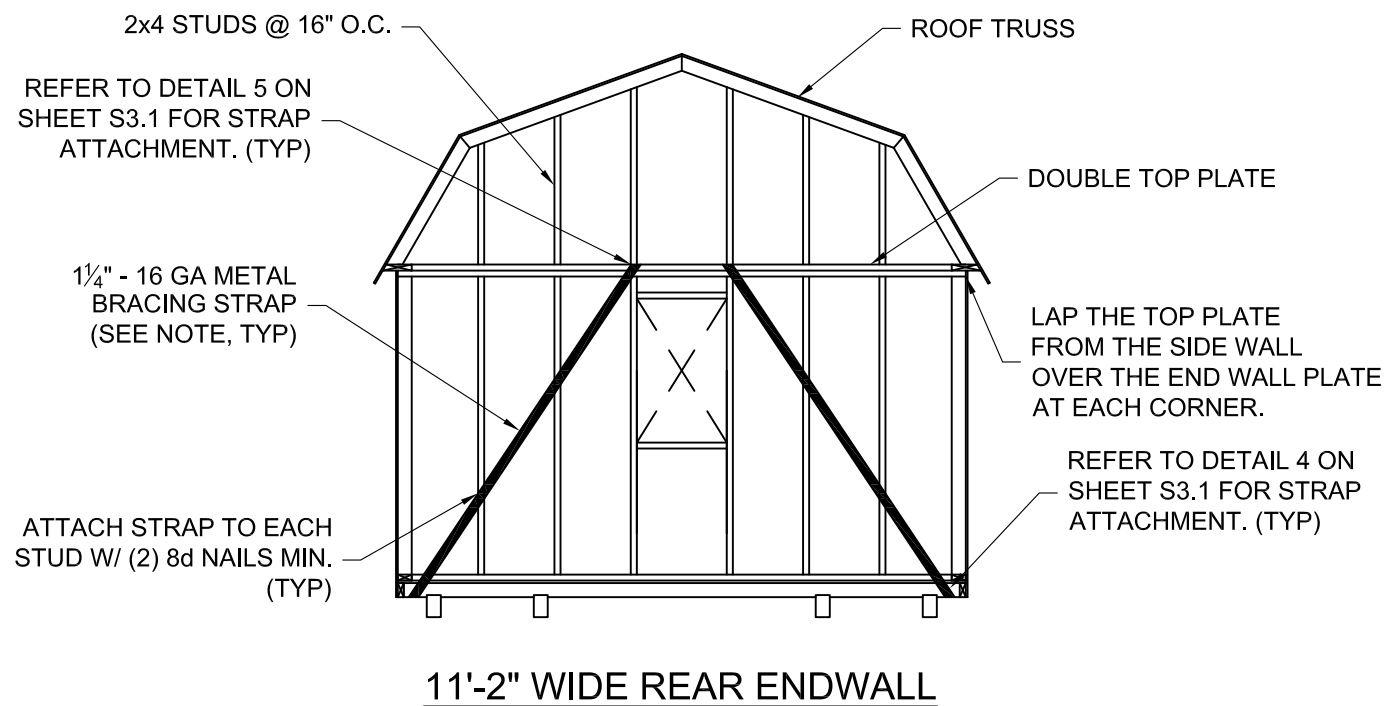
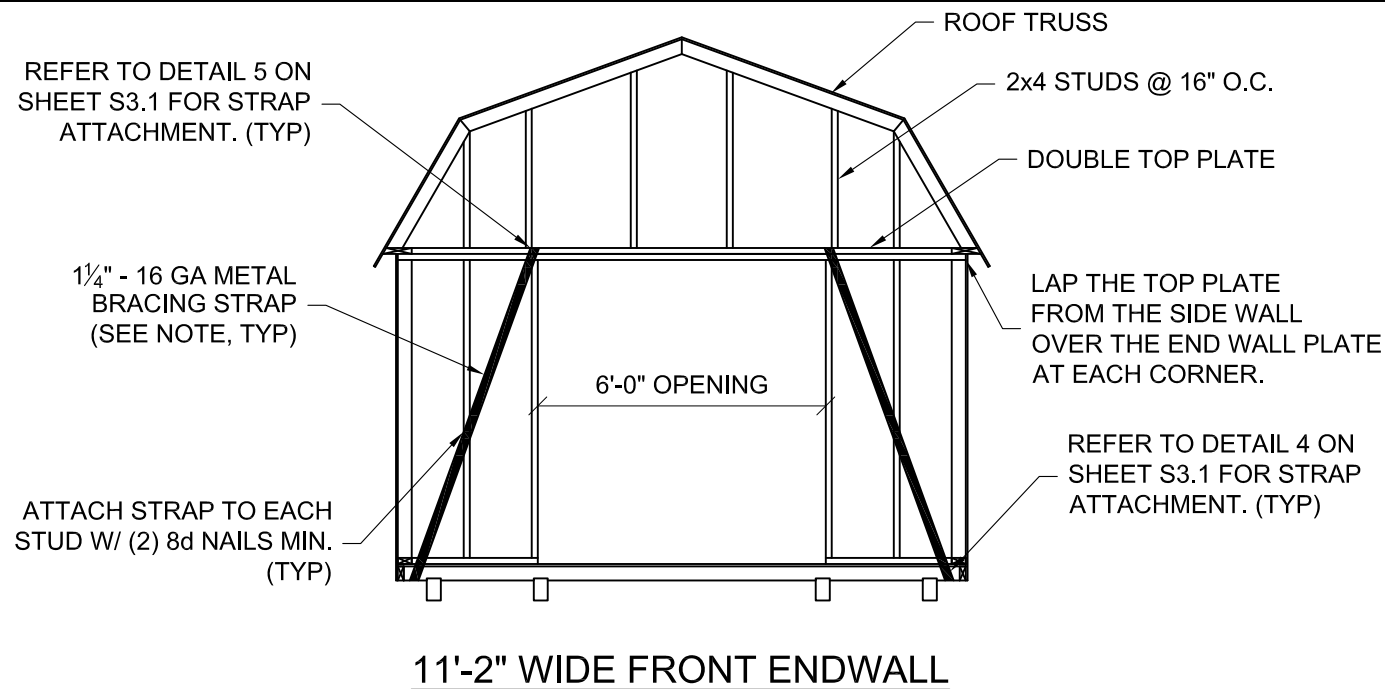
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



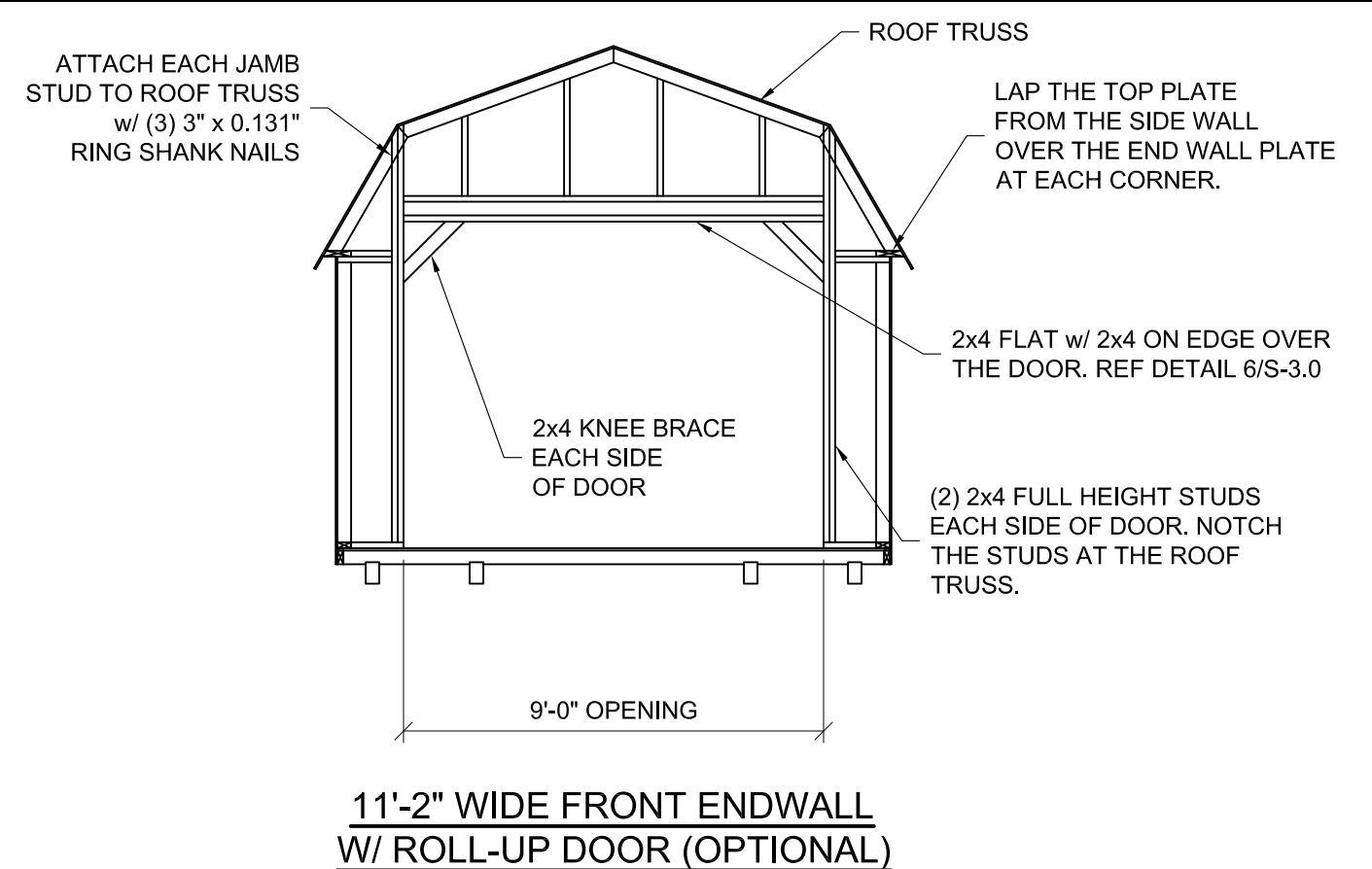
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-23
SCALE: NOT TO SCALE

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

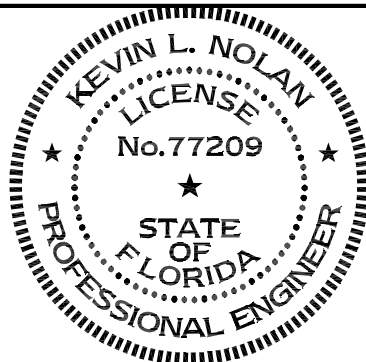


NOTE: METAL STRAP BRACING IS NOT REQUIRED FOR WALLS SHEATHED WITH WOOD SIDING, PLYWOOD, OR OSB



NOTES FOR ROLL-UP DOOR OPTION:

1. FOR BUILDINGS SHEATHED WITH T1-11 OR LP SIDING, PROVIDE FULL HEIGHT $\frac{7}{16}$ " OSB OR PLYWOOD WALL SHEATHING ON THE INTERIOR FACE OF THE WALL. ATTACH THE SHEATHING TO THE WALL FRAMING WITH $2\frac{3}{8}$ " x 0.113" RING SHANK NAILS SPACED AT 3" MAX.
2. FOR BUILDINGS SHEATHED WITH METAL SIDING, PROVIDE $\frac{7}{16}$ " OSB OR PLYWOOD WALL SHEATHING ON THE INTERIOR FACE PLUS THE EXTERIOR FACE OF THE WALL. THE EXTERIOR METAL SIDING SHALL BE ATTACHED TO SHEATHING PER DETAIL 1 ON SHEET S-3.3. ATTACH THE SHEATHING TO THE WALL FRAMING WITH $2\frac{3}{8}$ " x 0.113" RING SHANK NAILS SPACED AT 3" MAX.

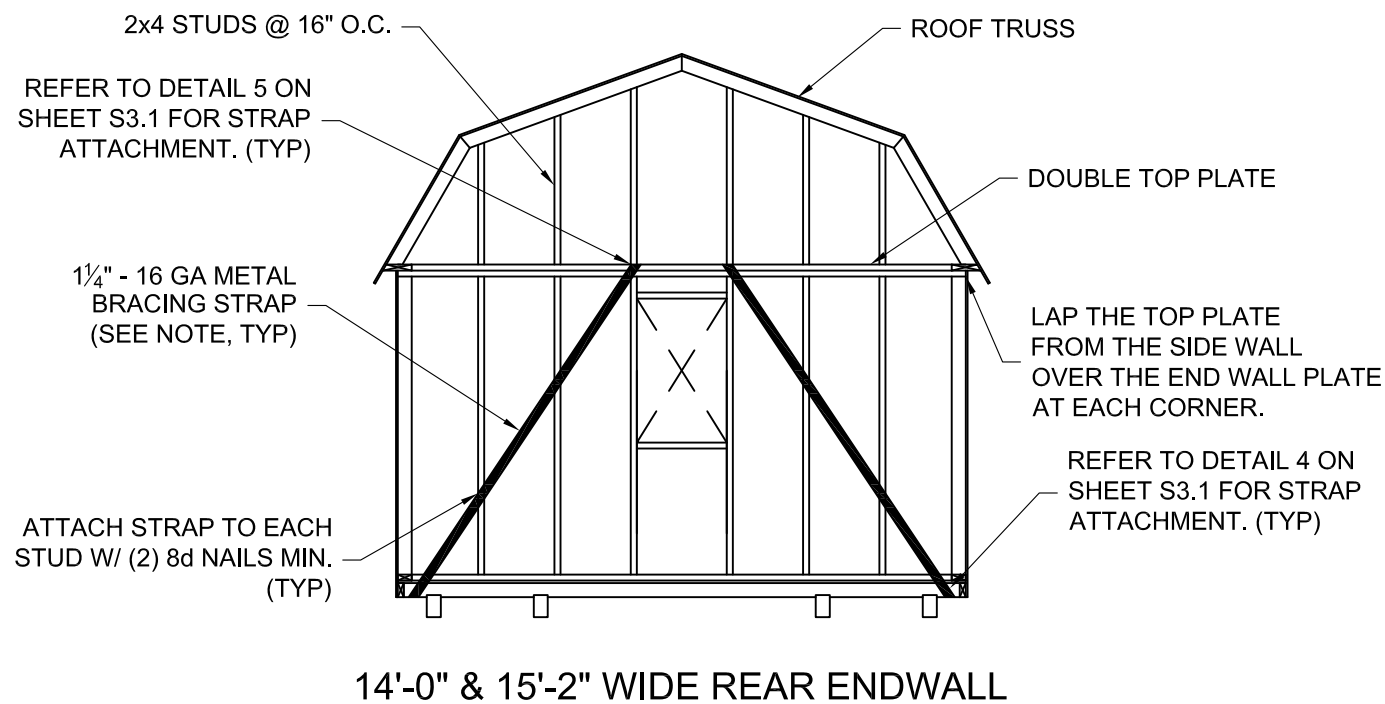
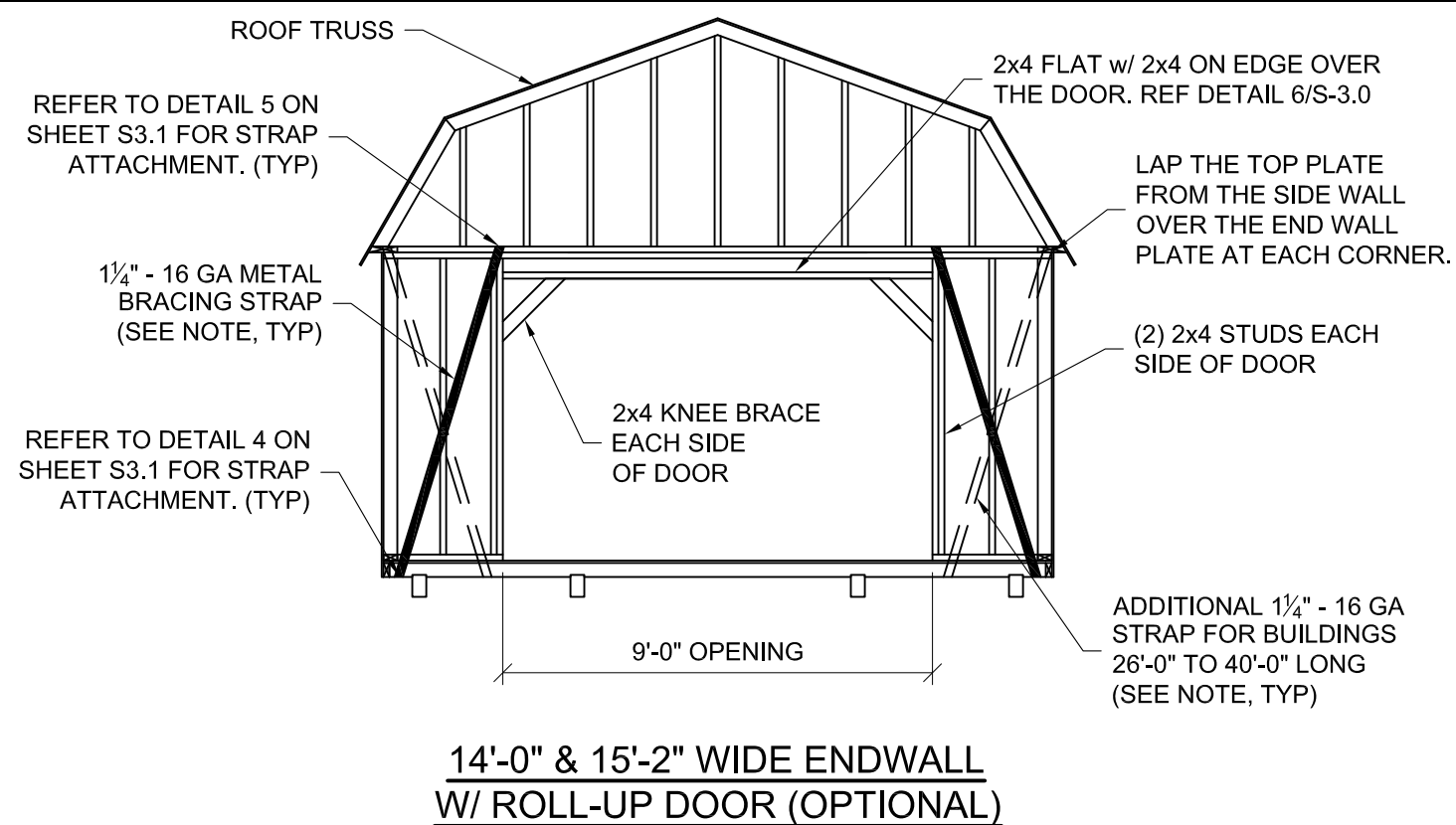
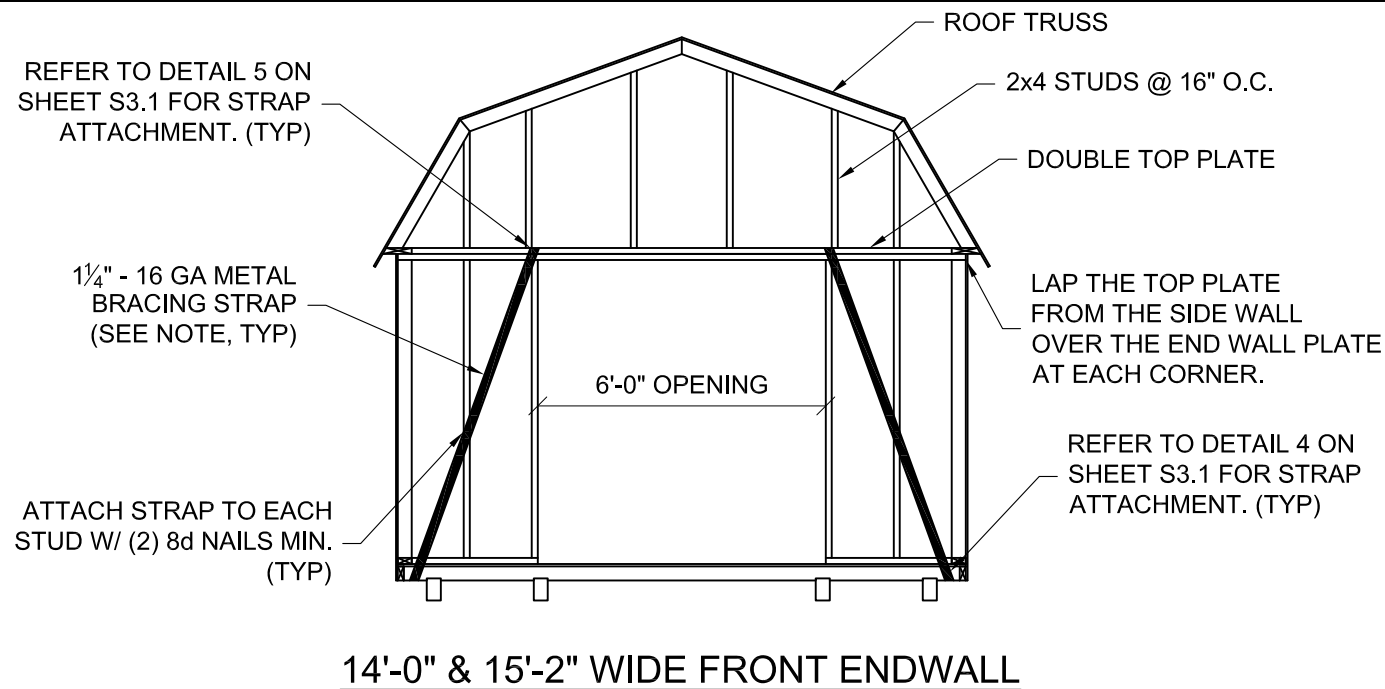


LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

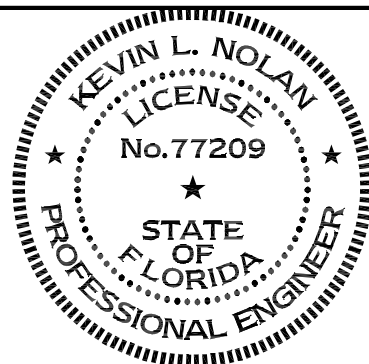


PROJECT NO:		SHEET NUMBER
DATE:	12-12-2023	S-24
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		
		SCALE: 1/4" = 1'-0"

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



NOTE: METAL STRAP BRACING IS NOT REQUIRED FOR WALLS SHEATHED WITH WOOD SIDING, PLYWOOD, OR OSB



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



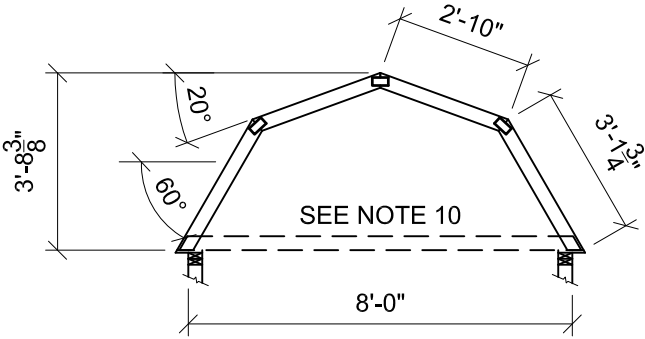
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-25
SCALE: 1/4" = 1'-0"

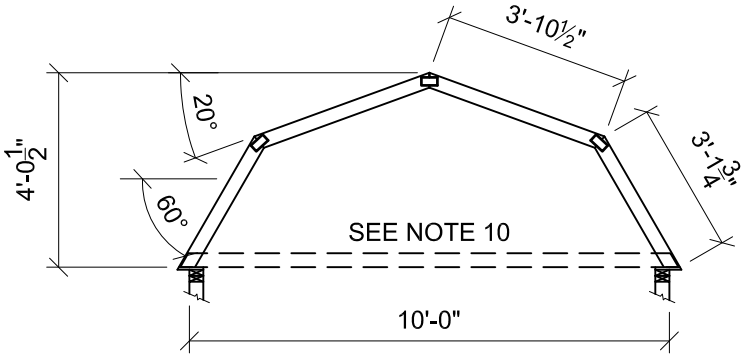
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

GENERAL NOTES:

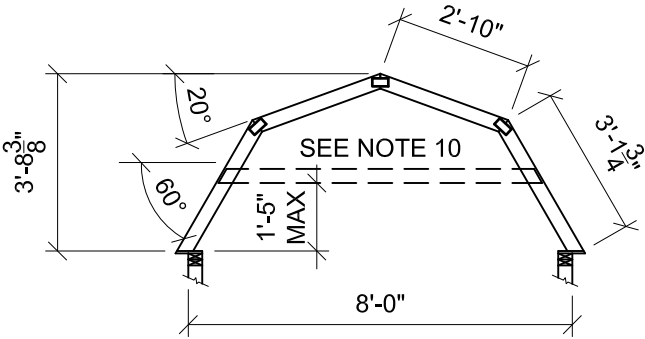
1. REFER TO SHEET S-0 FOR DESIGN LOADS.
2. MAXIMUM TRUSS SPACING = 24" O.C. UNLESS NOTED OTHERWISE.
3. TRUSS TOP CHORD SHALL BE BRACED W/ STRUCTURAL WOOD SHEATHING ATTACHED DIRECTLY TO TRUSS MEMBERS.
4. ALL TRUSS MEMBERS ARE TO BE SPF #2 OR BETTER.
5. TRUSS PLATES ARE TO BE A MINIMUM OF 20 GAGE (MT20) PRESSED IN PLACE EACH SIDE OF TRUSS. AT ALL 2x4 TRUSS MEMBER JOINTS, PROVIDE A 2x4 TRUSS PLATE EACH SIDE OF TRUSS. AT ALL 2x6 TRUSS MEMBER JOINTS, PROVIDE A 4x4 TRUSS PLATES EACH SIDE OF TRUSS.
6. REACTIONS DUE TO WIND ARE BASED ON MWFRS END ZONE PRESSURES. INDIVIDUAL MEMBERS DESIGNED FOR COMPONENTS AND CLADDING WIND PRESSURE.
7. DEFLECTION MEETS L/240 LIVE LOAD AND L/180 TOTAL LOAD.
8. LOAD DURATION ADJUSTMENT FACTORS:
ROOF LIVE: 1.25
WIND: 1.60
9. REPETITIVE MEMBER INCREASE: 1.15
10. HORIZONTAL THRUST IS TO BE RESISTED BY LOFT JOISTS. REFER TO SHEETS S-2.0 THRU S-2.2, AND S-3.0 FOR LOFT JOIST SIZE AND ATTACHMENT INFORMATION.



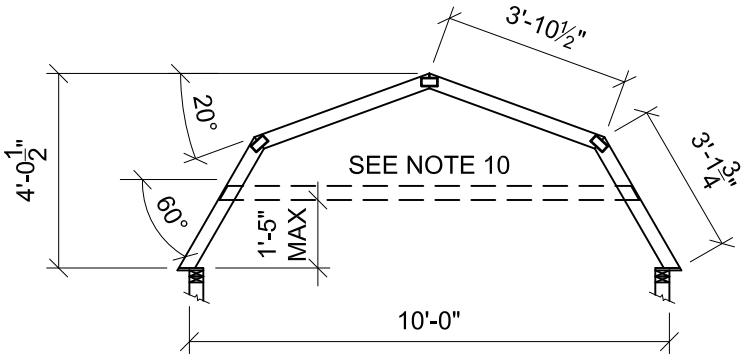
ALL TRUSS MEMBERS TO BE 2x4 SPF #2
NET UPLIFT: -191 LBS D+Lr: 188 LBS
8' WIDE LOFTED BARN TRUSS



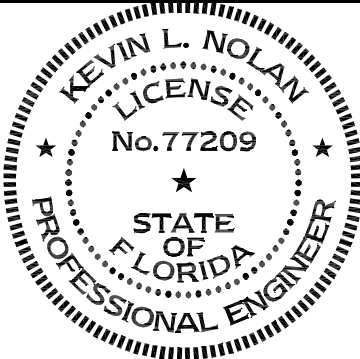
ALL TRUSS MEMBERS TO BE 2x4 SPF #2
NET UPLIFT: -247 LBS D+Lr: 237 LBS
10' WIDE LOFTED BARN TRUSS



ALL TRUSS MEMBERS TO BE 2x4 SPF #2
NET UPLIFT: -191 LBS D+Lr: 188 LBS
8' WIDE LOFTED BARN TRUSS (OPTIONAL)



ALL TRUSS MEMBERS TO BE 2x4 SPF #2
NET UPLIFT: -247 LBS D+Lr: 237 LBS
10' WIDE LOFTED BARN TRUSS (OPTIONAL)



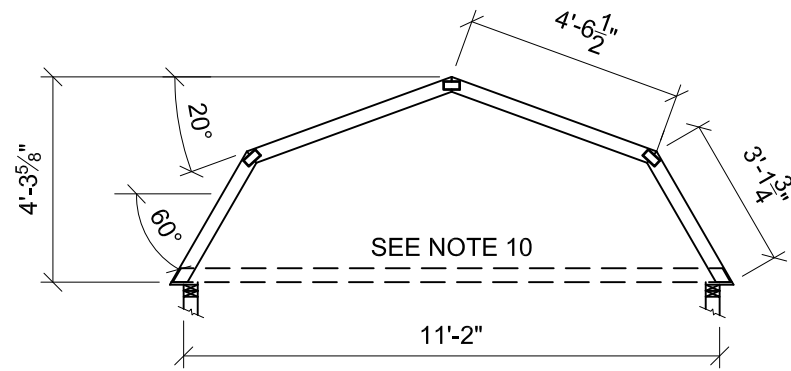
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



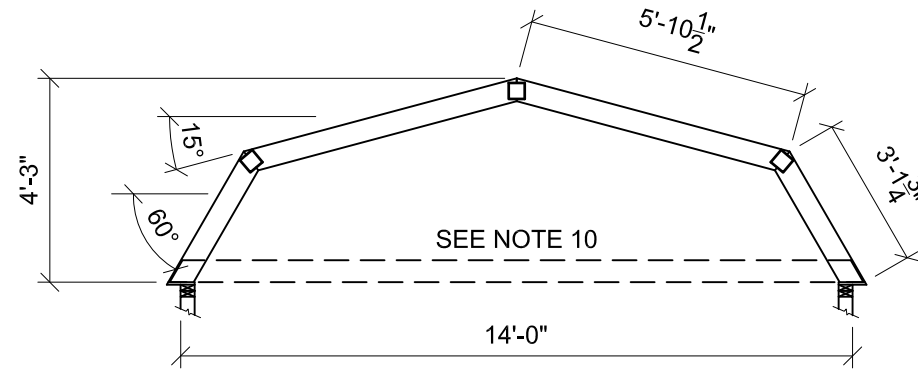
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-26
SCALE: 1/4" = 1'-0"

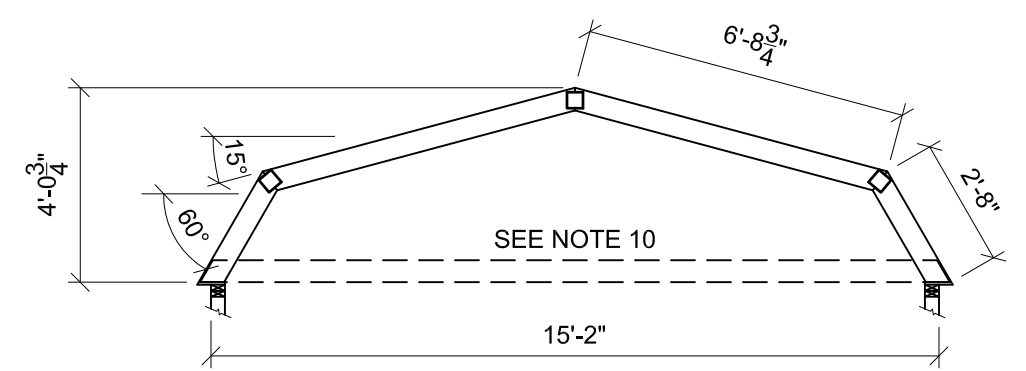
1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



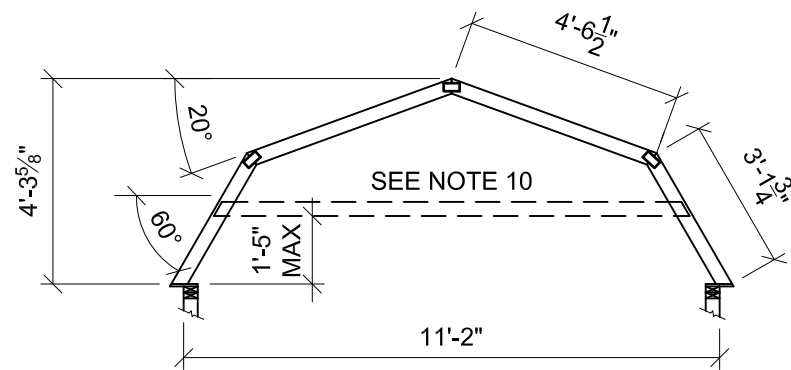
ALL TRUSS MEMBERS TO BE 2x4 SPF #2
 NET UPLIFT: -282 LBS D+Lr: 269 LBS
11'-2" WIDE LOFTED BARN TRUSS



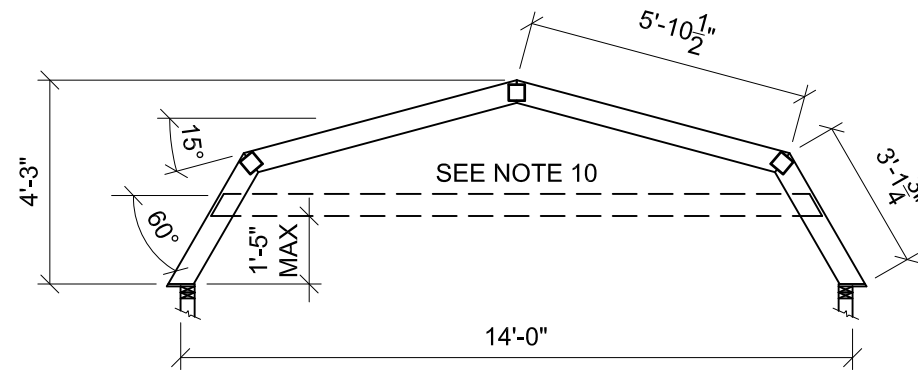
ALL TRUSS MEMBERS TO BE 2x6 SPF #2
 NET UPLIFT: -359 LBS D+Lr: 330 LBS
14' WIDE LOFTED BARN TRUSS



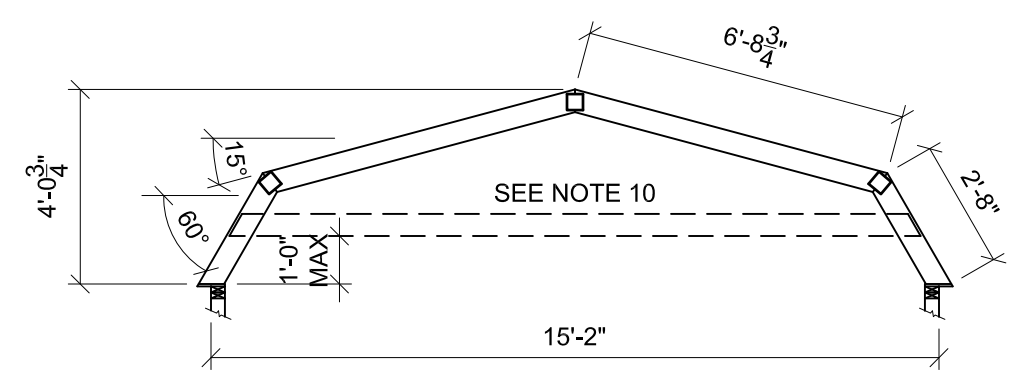
ALL TRUSS MEMBERS TO BE 2x6 SPF #2
 NET UPLIFT: -397 LBS D+Lr: 361 LBS
15'-2" WIDE LOFTED BARN TRUSS



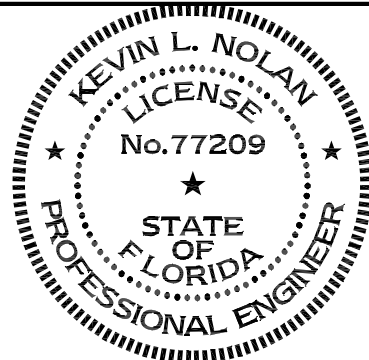
ALL TRUSS MEMBERS TO BE 2x4 SPF #2
 NET UPLIFT: -282 LBS D+Lr: 269 LBS
11'-2" WIDE LOFTED BARN TRUSS (OPTIONAL)



ALL TRUSS MEMBERS TO BE 2x6 SPF #2
 NET UPLIFT: -359 LBS D+Lr: 330 LBS
14' WIDE LOFTED BARN TRUSS (OPTIONAL)



ALL TRUSS MEMBERS TO BE 2x6 SPF #2
 NET UPLIFT: -397 LBS D+Lr: 361 LBS
15'-2" WIDE LOFTED BARN TRUSS (OPTIONAL)

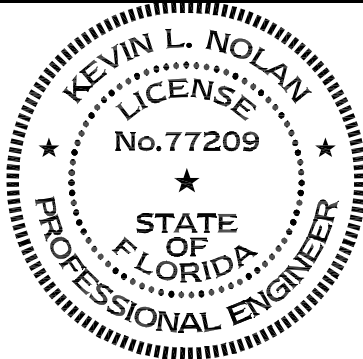
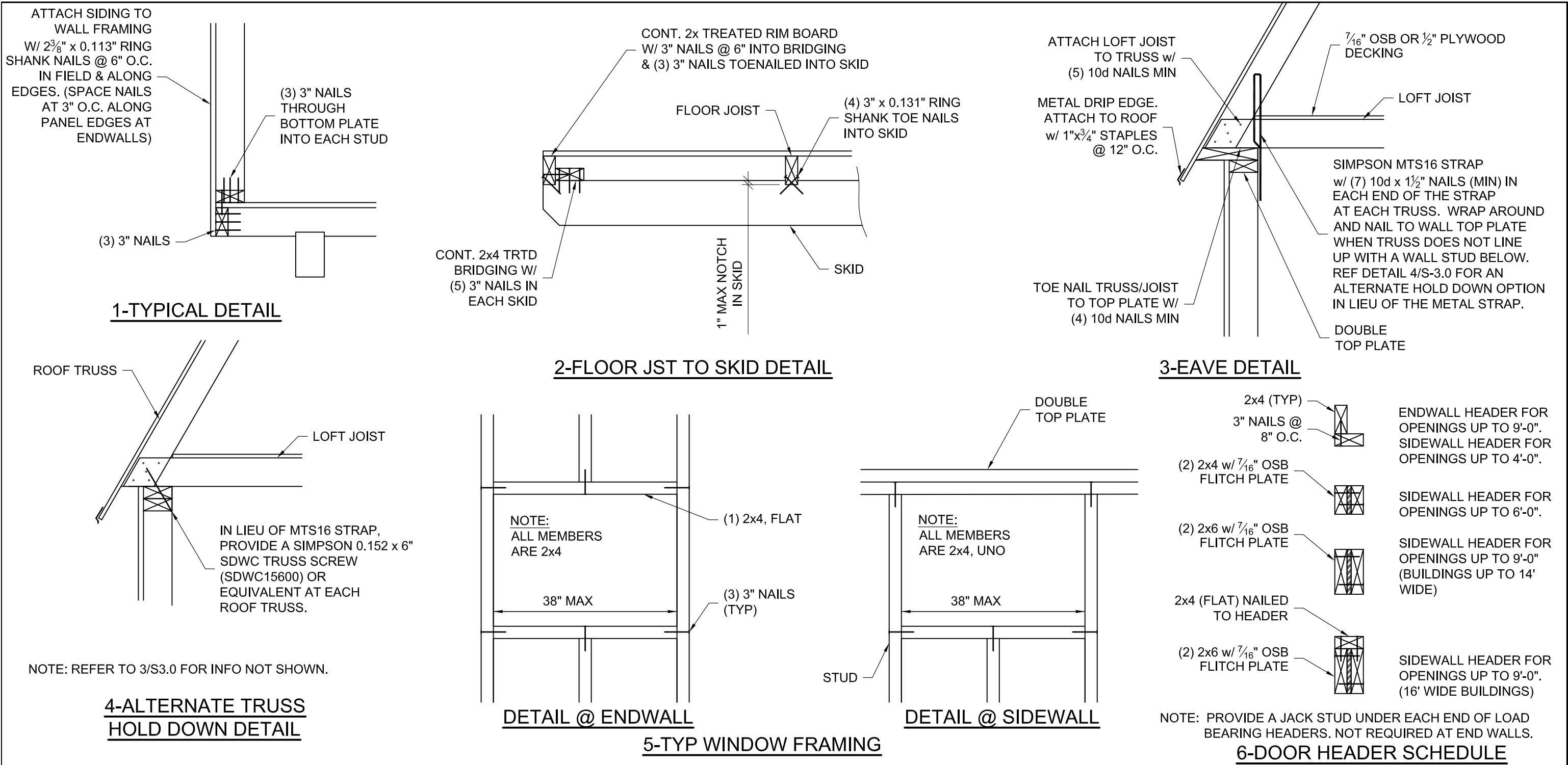


LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



PROJECT NO:		SHEET NUMBER S-27 SCALE: 1/4" = 1'-0"
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
 2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



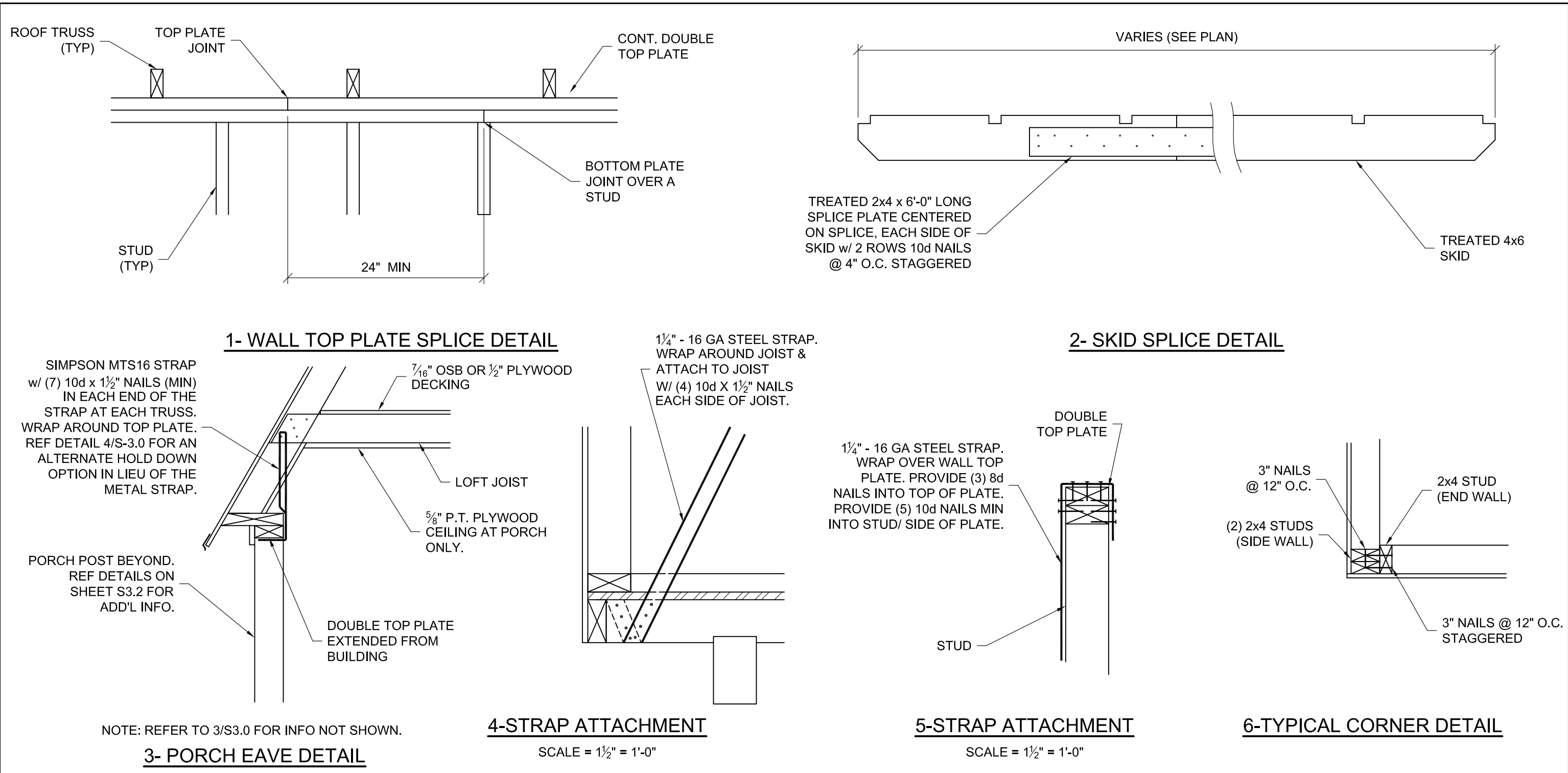
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 AND S-0.2 FOR ATTACHMENT INFORMATION NOT NOTED ON THIS SHEET.



PROJECT NO:		SHEET NUMBER S-3.0 SCALE: 1"=1'-0"
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

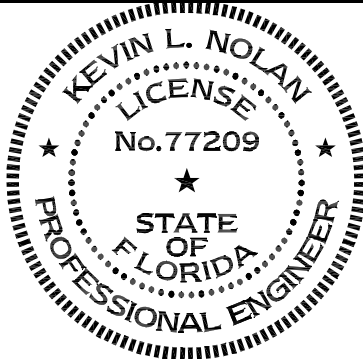
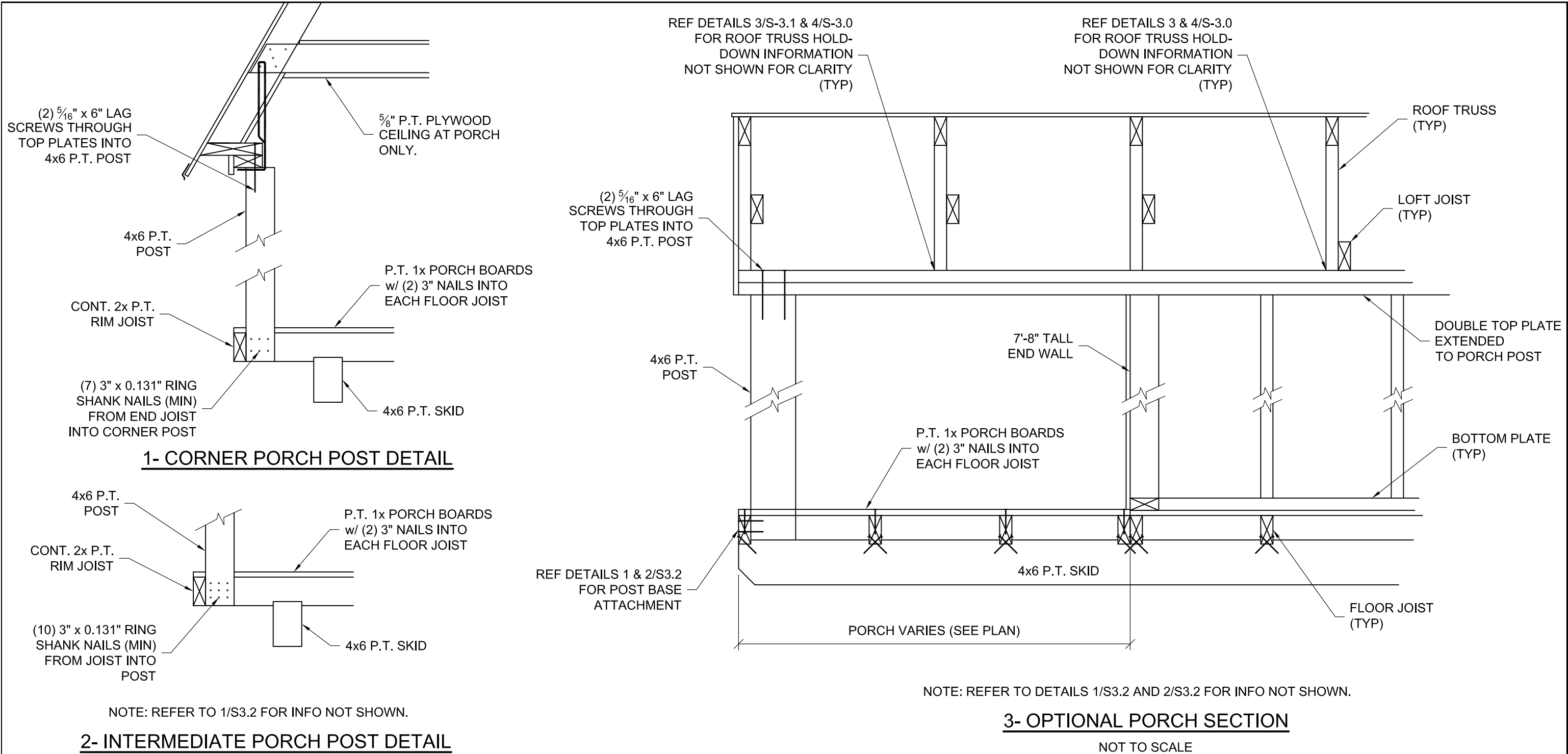


1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 AND S-0.2 FOR ATTACHMENT INFORMATION NOT NOTED ON THIS SHEET.

PROJECT NO:		SHEET NUMBER S-3.1 SCALE: 1"=1'-0
DATE:	12-12-2023	
DRAWN BY:	KLN	
CHECKED BY:	KLN	
REVISION:		



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 AND S-0.2 FOR ATTACHMENT INFORMATION NOT NOTED ON THIS SHEET.



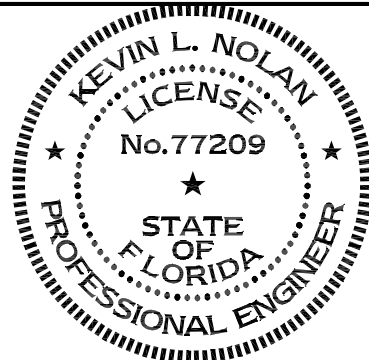
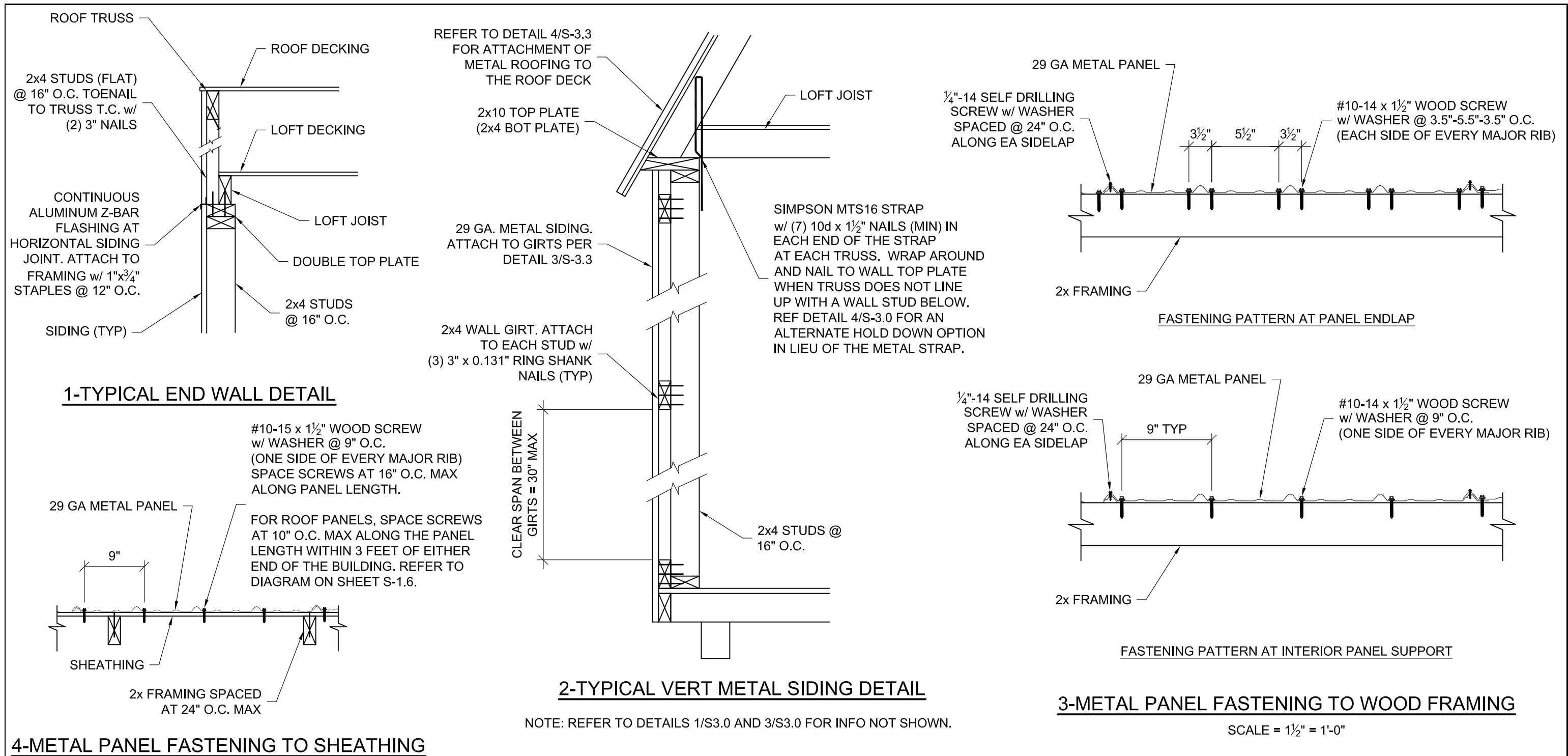
PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER

S-3.2

SCALE: 1"=1'-0

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

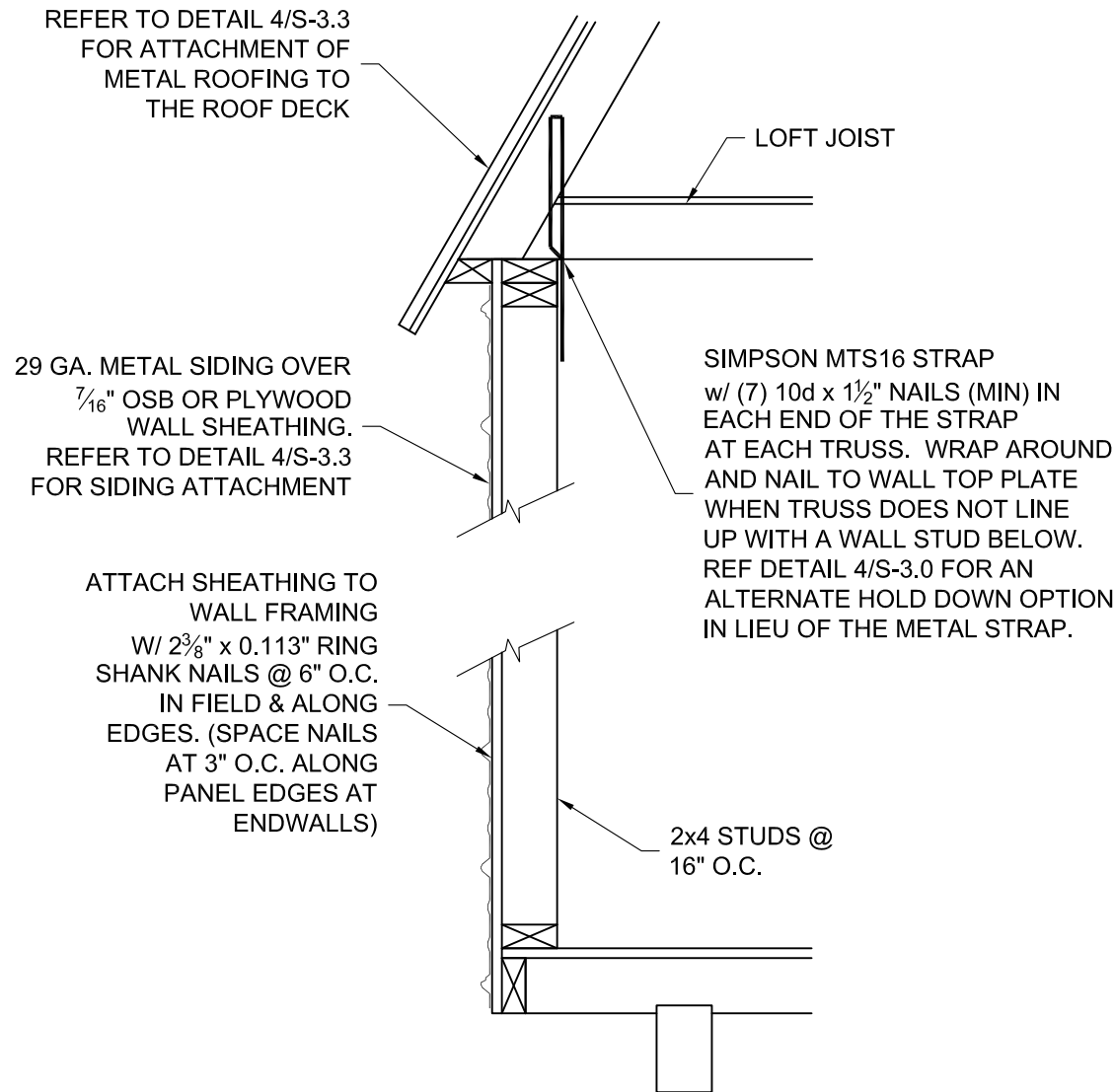
NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 AND S-0.2 FOR ATTACHMENT INFORMATION NOT NOTED ON THIS SHEET.



PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

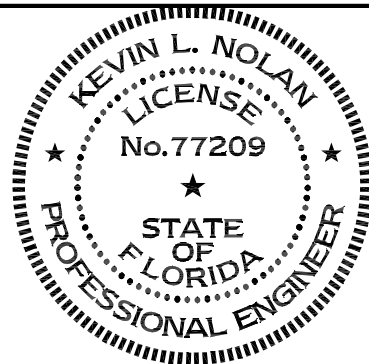
SHEET NUMBER
S-3.3
SCALE: 1"=1'-0

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



1-TYPICAL HORIZ METAL SIDING DETAIL

NOTE: REFER TO DETAILS 1/S3.0 AND 3/S3.0 FOR INFO NOT SHOWN.



1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

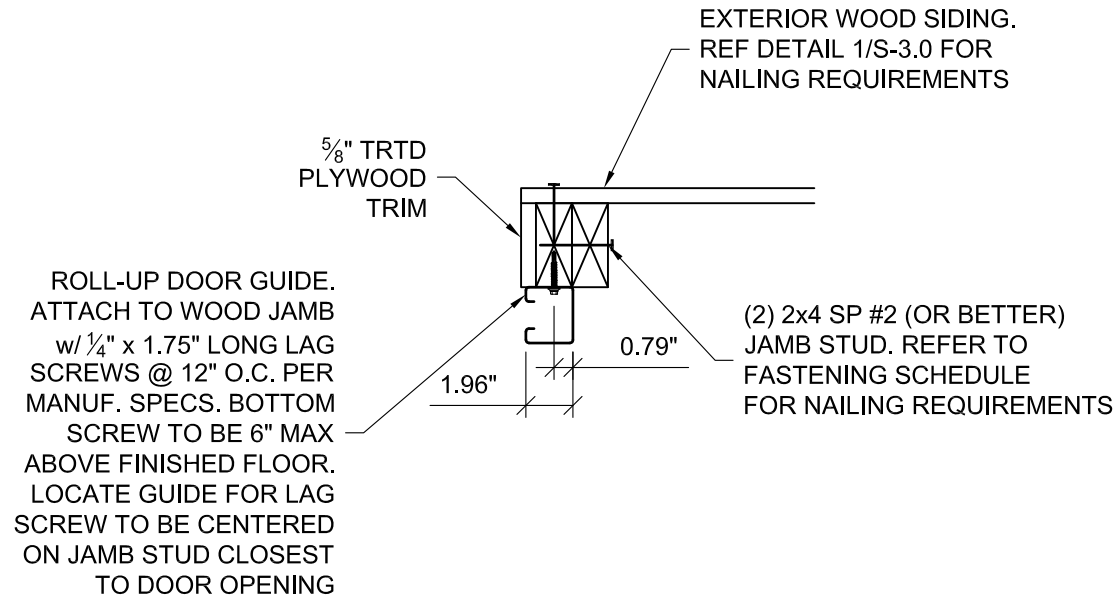
LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 AND S-0.2 FOR ATTACHMENT INFORMATION NOT NOTED ON THIS SHEET.

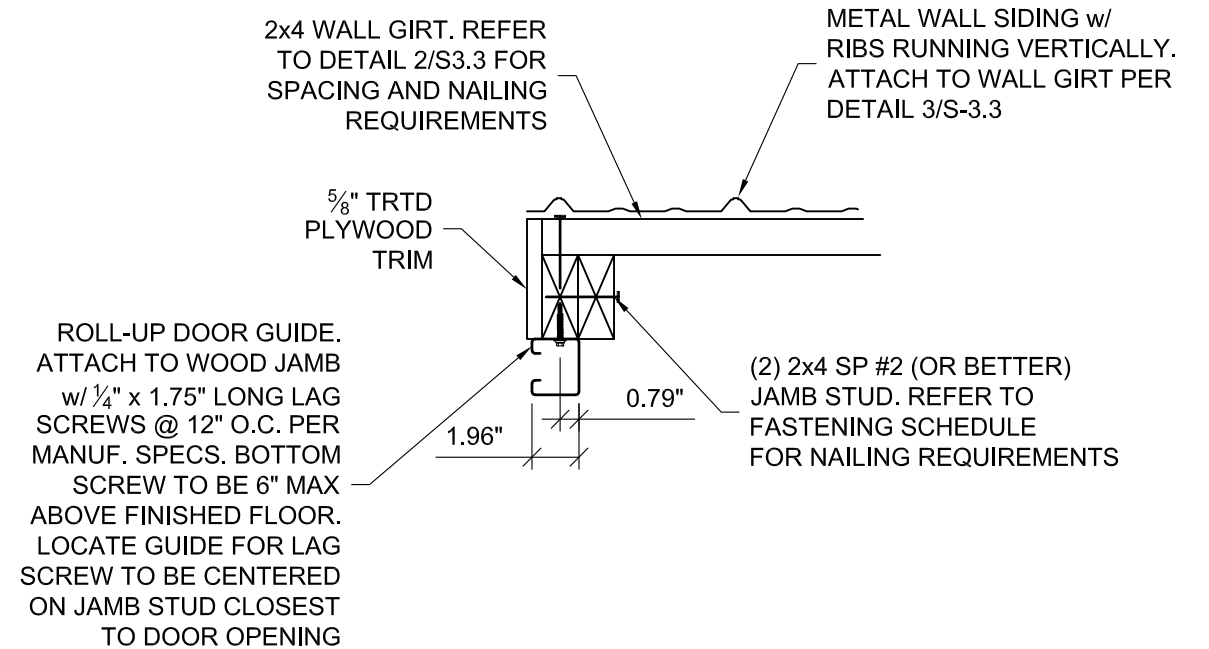


PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

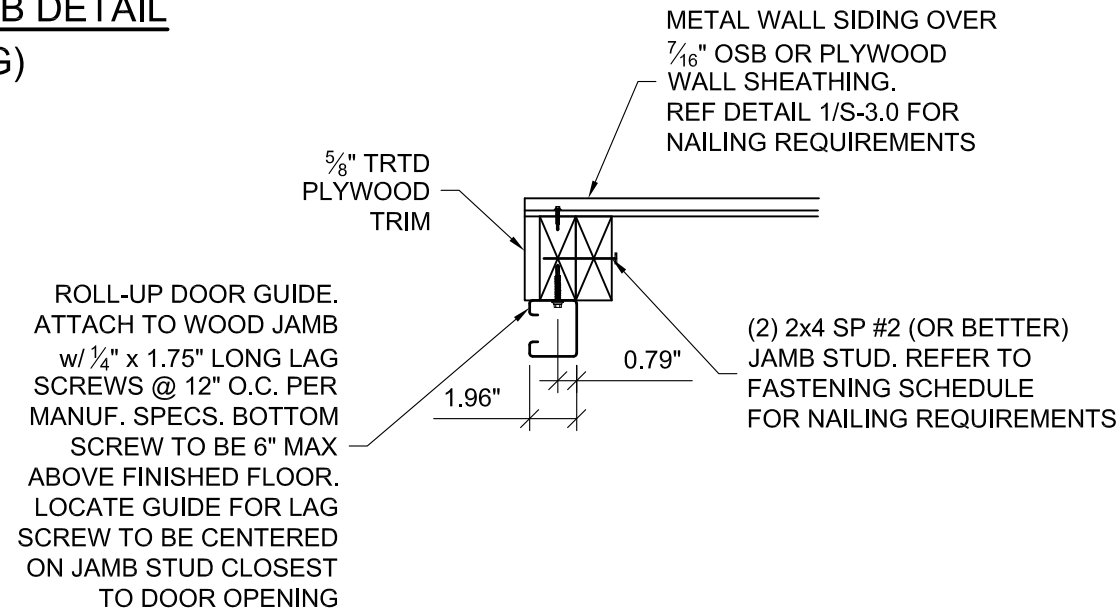
SHEET NUMBER
S-3.4
SCALE: 1"=1'-0



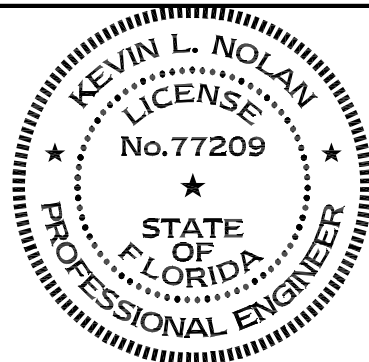
1-ROLL-UP DOOR JAMB DETAIL
(WOOD SIDING)



3-ROLL-UP DOOR JAMB DETAIL
(VERT METAL SIDING)



2-ROLL-UP DOOR JAMB DETAIL
(HORIZ METAL SIDING)



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023

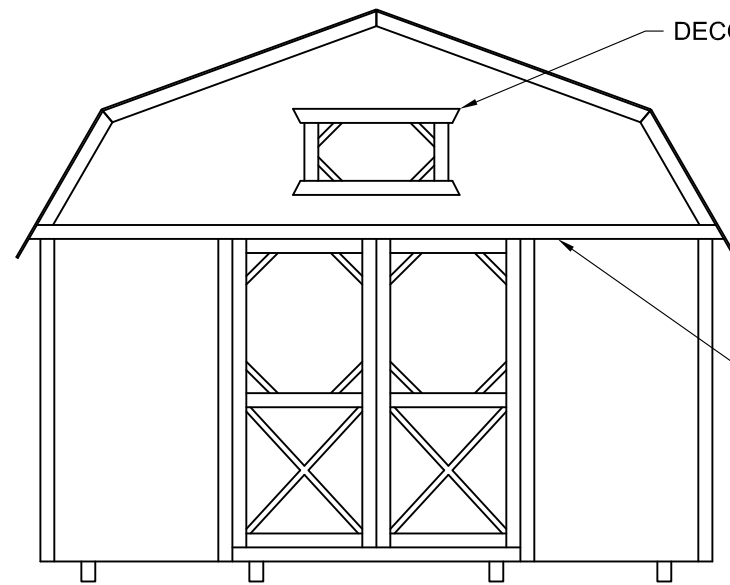
NOTE: REFER TO FASTENING SCHEDULE ON SHEETS S-0.1 AND S-0.2 FOR ATTACHMENT INFORMATION NOT NOTED ON THIS SHEET.



PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

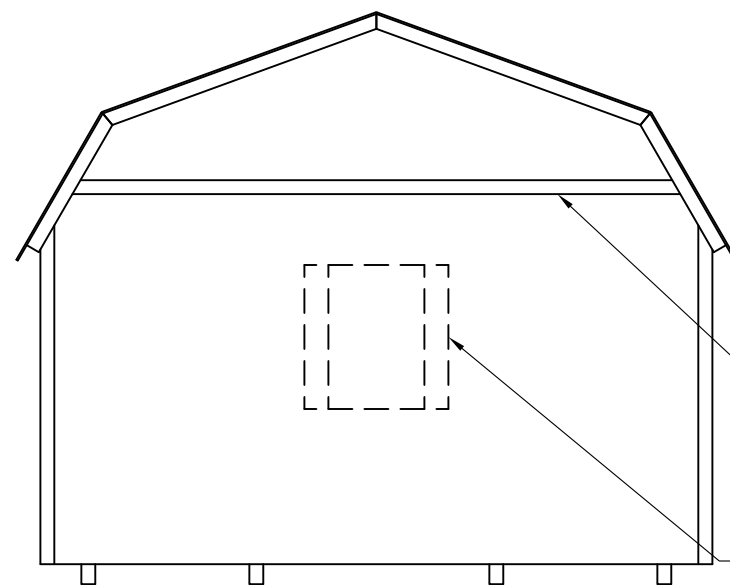
SHEET NUMBER
S-3.5
SCALE: 1 1/2"=1'-0

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



FRONT ELEVATION

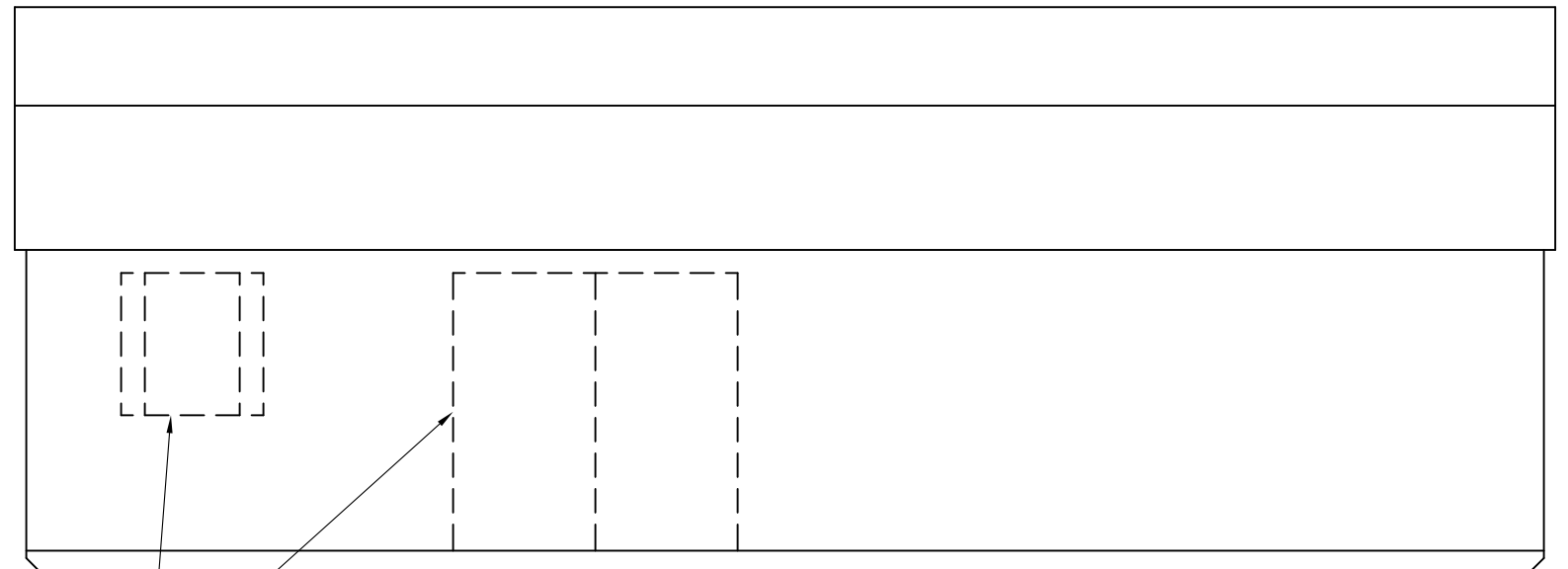
PROVIDE CONTINUOUS
ALUMINUM Z-BAR FLASHING
AT SIDING HORIZONTAL JOINTS.
ATTACH TO FRAMING w/ 1"x³/₄"
STAPLES AT 12" O.C. (TYP)



REAR ELEVATION

PROVIDE CONTINUOUS
ALUMINUM Z-BAR FLASHING
AT SIDING HORIZONTAL JOINTS.
ATTACH TO FRAMING w/ 1"x³/₄"
STAPLES AT 12" O.C. (TYP)

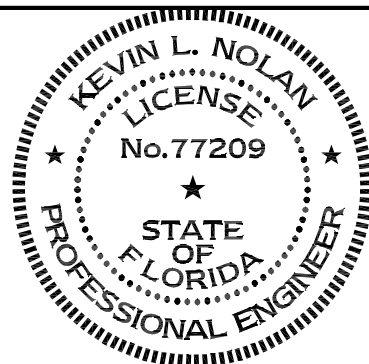
OPTIONAL DOOR OR WINDOW.
LOCATIONS VARY PER CUSTOMER.



DOOR AND WINDOW LOCATIONS
VARY PER CUSTOMER.

SIDE ELEVATION

NOTE:
WINDOWS, DOORS, AND TRIM SHOWN ARE CONCEPTUAL. ACTUAL WINDOW, DOOR, AND TRIM
MAY VARY PER CUSTOMER REQUEST.



LOFTED BARN--FLORIDA--WIND=160 MPH--FBC 2023



PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-4
SCALE: NOT TO SCALE

1. This item has been electronically signed and sealed by Kevin L Nolan, PE on 01/03/2024 using a digital signature.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.

ELECTRICAL LEGEND

CEILING OUTLETS

○ SURFACE MOUNT LIGHT (LED/FLUORESCENT)

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT

WALL OUTLETS

G=⊖ DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5–20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE

Ⓜ SURFACE-MOUNTED JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION

Ⓜ EXTERIOR WALL MOUNTED WET LOCATION LISTED LED/FLUORESCENT FIXTURE

BRANCH WIRING

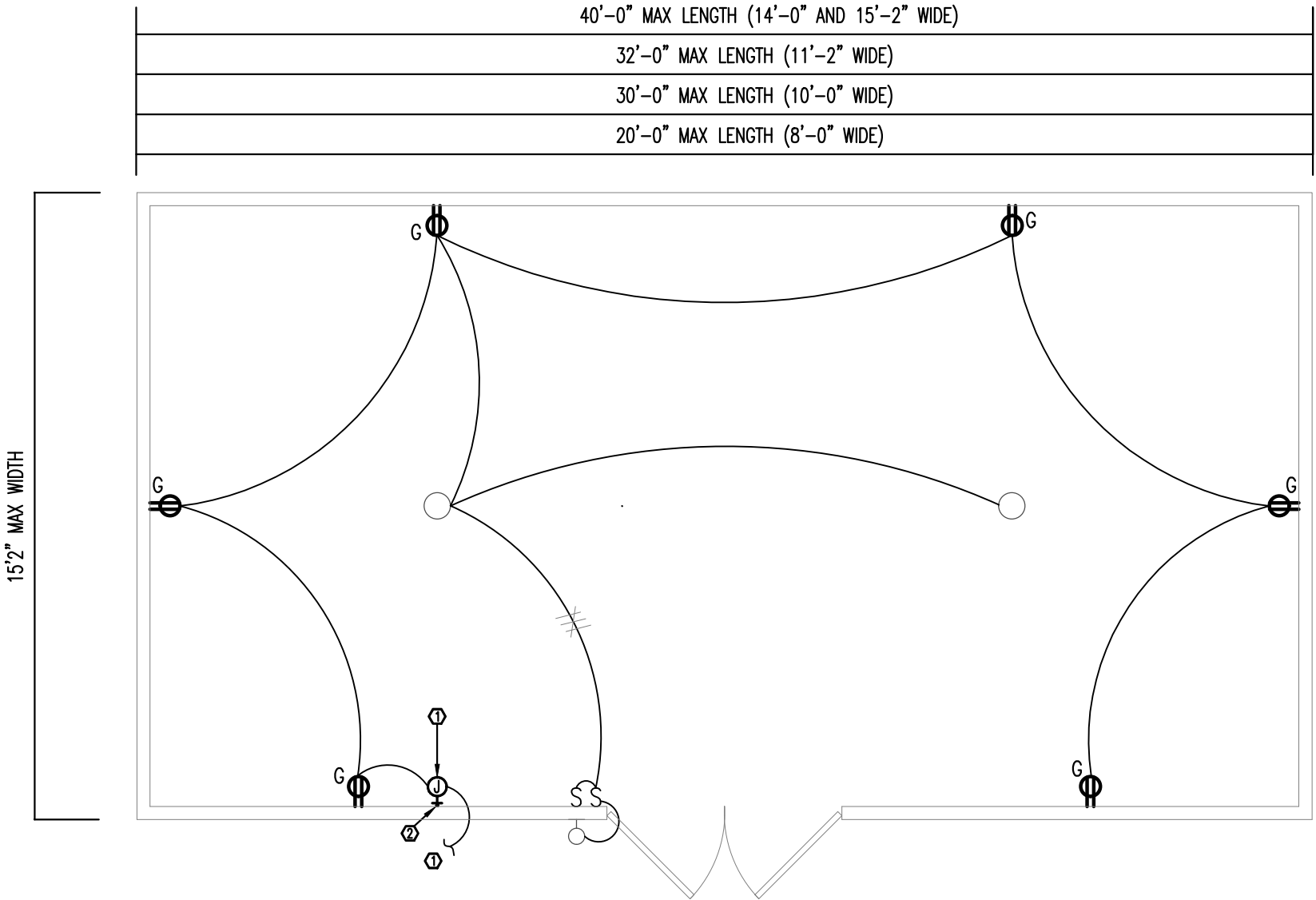
RUN INSTALLED IN CEILING OR WALLS; UNLESS NOTED OTHERWISE, INSTALL 2#12 CU, 1#12 CU GND. ANY CIRCUIT WITH ~~///~~ IDENTIFICATION INDICATES 3#12 CU, 1#12 CU GND. THE USE OF ROMEX OR 'MC' CABLE IS PER OWNER'S REQUEST PROVIDED THE CABLE IS PROTECTED BY NAIL-PLATES AND SECURED PER NEC REQUIREMENTS AND LOCAL AHJ REQUIREMENTS.

KEYNOTES:

- ①INSTALL SURFACE-MOUNTED JUNCTION BOX FOR CONNECTION TO EXISTING EXTERIOR PANEL. FROM J-BOX, INSTALL A MINIMUM OF 2#10 CU, 1#10 CU GND TO EXISTING PANEL. CONNECT TO NEW 20A, 1-POLE BREAKER IN PANEL.
- ②INSTALL A MINIMUM OF 3/4"C SCHEDULE 80 PVC VIA FLOOR AT A MINIMUM OF 6" BELOW FLOOR. TO PREVENT INTRUSION BY RODENTS OR INSECTS, OPENING TO BE FILLED WITH WEATHERTIGHT CAULK.

GENERAL NOTE(S):

1. NUMBER AND LOCATION OF RECEPTACLES MAY VARY WITH EACH MODEL. NO MORE THAN SIX (6) RECEPTACLES TO BE INSTALLED.
2. THE EXISTING EXTERIOR PANEL, UNDERGROUND BRANCH CIRCUIT, CONNECTION TO UNIT (INCLUDING DISCONNECTS, OVERCURRENT DEVICES, PANELS, GROUNDING, ETC.) IS DESIGNED BY OTHERS. SITE INSTALLED AND SUBJECT TO LOCAL APPROVAL.
3. DOOR NUMBER/SIZE/LOCATION MAY VARY PER MODEL TYPE. COORDINATE AND ADJUST NUMBER/LOCATION OF RECEPTACLES AND SWITCH AS REQUIRED.



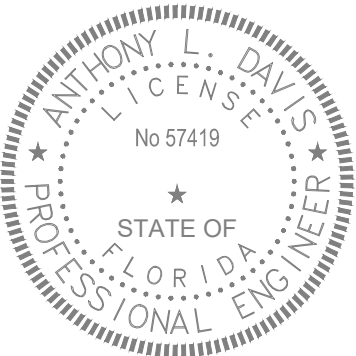
1

POWER & LIGHTING PLAN

E1.1

N.T.S.

LOFTED BARN BUILDING--FLORIDA--WIND=160 MPH--FBC 2023



Florida CA Number: 27825
Anthony L Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2023-113
Drawn By: ALD



PROJECT NO:	
DATE:	12-12-2023
DRAWN BY:	ALD
CHECKED BY:	ALD
REVISION:	

SHEET NUMBER

E-4.1

SCALE: NOT TO SCALE