

GENERAL NOTES:

1. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2024.
2. ALL MATERIALS & LABOR SHALL BE IN ACCORDANCE WITH LOCAL CODES AT THE TIME OF MANUFACTURE.
3. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
4. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT HAVE A 3 SECOND WIND GUST OF 160 MPH (MAX). STRUCTURES SHOULD NOT BE USED IN OTHER LOCATIONS.
5. STRUCTURES ARE DESIGNED FOR LOCATIONS WITH A SURFACE ROUGHNESS CATEGORY B & A TOPOGRAPHICAL FACTOR OF 1.0. STRUCTURES SHOULD NOT BE USED IN OTHER LOCATIONS.
6. STRUCTURES SHALL HAVE METAL ROOF (40 YEAR WARRANTY) OR OPTIONAL 25 YEAR RATED FIBERGLASS/ ASPHALT SHINGLES WITH ICE AND WATER SHIELD.
7. ALL STUDS, RAFTERS, COLLAR TIES, & TRUSS CHORDS ARE SPF #2, U.N.O.
8. ALL EXTERIOR DIMENSIONAL WOOD IS TO BE PRESSURE TREATED.
9. ALL ROOF DECKING IS TO BE 7/16" O.S.B. OR 7/16" RADIANT BARRIER O.S.B.
10. ALL SIDING IS TO BE 15/32" ARAUCO, 15/32" DURATEMP SIDING OR 29 GAUGE METAL SIDING ON PAINTED BUILDING W/ 50 YR LTD MFG WARRANTY
11. ALL FLOOR JOISTS ARE TO BE P.T. SYP #2.
12. ALL EXTERIOR NAILS ARE TO BE HOT DIPPED GALVANIZED.
13. ALL INTERIOR FLOOR DECKING IS TO BE 5/8" PLYWOOD. EXTERIOR TO BE 5/4" P.T.
14. ALL SKIDS ARE TO BE 4x6 P.T. SYP, RATED FOR GROUND CONTACT.
15. THE STRUCTURE HAS BEEN DESIGNED TO RESIST LOADS AS A COMPLETED STRUCTURE ONLY. APPLICATION OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR & INCLUDED IN THE DESIGN OF SHORING, BRACING, FORM WORK, & OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.
16. NO FIELD SUPERVISION OR CONSTRUCTION ADMINISTRATION WILL BE PROVIDED BY THE ENGINEER.

DESIGN CRITERIA:

1. INTERNATIONAL BUILDING CODE 2024
2. DEAD LOADS: FLOOR: 10 PSF LOFT: 5 PSF ROOF: 10 PSF
3. WIND LOADS: BASIC WIND SPEED, V=160MPH RISK CATEGORY=II WIND EXPOSURE C WIND LOAD IMPORTANCE FACTOR=1.0
4. LIVE LOADS: FLOOR: 40 PSF LOFT: 10 PSF ROOF: 20 PSF (REDUCIBLE)
5. SNOW LOADS: GROUND SNOW LOAD, PG=25PSF FLAT ROOF SNOW LOAD, PF=20PSF SNOW EXPOSURE FACTOR, CE=1.2 SNOW LOAD IMPORTANCE FACTOR, I=0.8 THERMAL FACTOR, CT=1.2
6. SEISMIC LOADS: THIS STRUCTURE IS EXEMPT FROM SEISMIC DESIGN PER EXEMPTION 3 OF ASCE 7-16, SECTION 11.1.2

BUILDING SIZE:

<u>8' WIDTH</u> 8x12 8x16	<u>14' WIDTH</u> 14X20 14X24 14X28 14X32	<u>18' WIDTH</u> 18X20 18X24 18X28 18X32 18X40 18X45 18X50 18X60	<u>24' WIDTH</u> 24X20 24X24 24X28 24X32 24X40 24X50 24X60
<u>10' WIDTH</u> 10X12 10X16 10X20 10X24	<u>14' WIDTH</u> 14X40 14X44 14X48 14X50	<u>18' WIDTH</u> 18X20 18X24 18X28 18X32 18X40 18X45 18X50 18X60	<u>24' WIDTH</u> 24X20 24X24 24X28 24X32 24X40 24X50 24X60
<u>12' WIDTH</u> 12X16 12X20 12X24 12X28 12X32 12X40	<u>16' WIDTH</u> 16X20 16X24 16X28 16X32 16X40 16X44 16X50 16X60	<u>20' WIDTH</u> 20X20 20X24 20X28 20X32 20X40 20X50 20X60	<u>40' WIDTH</u> 40X20 40X24 40X28 40X32 40X40 40X50 40X60

ITEMS BY OTHERS:

THE FOLLOWING ITEMS ARE NOT PROVIDED BY RAILROAD CONSULTANTS, PLLC & ARE TO BE DESIGNED BY OTHERS IF APPLICABLE & ARE TO BE SUPPLIED & INSTALLED BY OTHERS. THESE ITEMS MAY BE SUBJECT TO LOCAL JURISDICTION APPROVAL. RAILROAD CONSULTANTS, PLLC IS NOT RESPONSIBLE THESE ITEMS.

1. RAMPS, STAIRS, & GENERAL ACCESS.
2. ELECTRICAL SERVICE HOOKUP.

INDEX OF SHEETS:

- S-101 - COVER SHEET
- S-102 - FOUNDATION PLAN
- S-103 - UPLIFT ANCHORAGE
- S-104 - FLOOR PLAN
- S-105 - ROOF FRAMING PLAN
- S-106 - SECTIONS PLAN
- S-107 - ELEVATION PLAN
- S-108 - NAILING PATTERN
- S-109 - BUILD DETAIL 1
- S-110 - BUILD DETAIL 2

CODE CRITERIA:

THE CONTRACTOR/ MANUFACTURER SHALL COMPLY WITH THE FOLLOWING CODES & ALL APPLICABLE AMENDMENTS/ SUPPLEMENTS:
1. INTERNATIONAL BUILDING CODE 2024



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