

**GENERAL NOTES:**

1. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2018.
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 150 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 SHOULD HAVE METAL ROOF OR OPTIONAL 25 YEAR RATED FIBERGLASS/ ASPHALT SHINGLES WITH 1 LAYER OF 15 LB ROOFING FELT.
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.
10. ALL SIDING IS TO BE 5/8 T-111 OR 3/8 SMART 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 2018
2. **DEAD LOADS:**  
FLOOR: 10 PSF  
LOFT: 5 PSF  
ROOF: 10 PSF
3. **WIND LOADS:**  
BASIC WIND SPEED, V=150MPH  
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 7-10, SECTION 11.1.2

**BUILDING SIZE:**

8' WIDTH	14' WIDTH	18' WIDTH	LOFT SIZE:
8x12 8x16	14X20 14X24	18X20 18X24	8'-20' LONG
10' WIDTH	14X28 14X32	18X28 18X32	4'-0" LOFT
10X12 10X16	14X40	18X40	20'-24' LONG
10X24	16' WIDTH	20' WIDTH	6'-0" LOFT
12' WIDTH	16X20 16X24	20X20 20X24	24'-40' LONG
12X16 12X20	16X28 16X32	20X28 20X32	8'-0" LOFT
12X24 12X28	16X40	20X40	
12X32 12X40			

**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 2018



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DRAWN BY: TNT SCALE: NTS DATE: 04-14-2022

SHEET TITLE: COVER PAGE

DRAWING NUMBER:

**S-101**



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