

**CODE CRITERIA:**

THE CONTRACTOR/ MANUFACTURER SHALL COMPLY WITH THE FOLLOWING CODES AND ALL APPLICABLE AMENDMENTS/SUPPLEMENTS:

- 1. INTERNATIONAL BUILDING CODE, 2015

**PROJECT NOTE:**

THIS BUILDING IS NOT DESIGNED FOR HUMAN HABITATION AND DOES NOT HAVE WATER, SEWER, ELECTRICAL OR HVAC SYSTEMS. THIS BUILDING IS DESIGNED AS A MINOR STORAGE OCCUPANCY ONLY.

**GENERAL NOTES:**

- 1. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2015.
- 2. ALL MATERIALS AND LABOR SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.
- 3. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
- 4. STRUCTURES ARE CLASSIFIED AS "MINOR STORAGE FACILITIES" (OCCUPANCY CATEGORY I) AND SHOULD NOT BE USED FOR HUMAN HABITATION.

- 5. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT HAVE A 3 SECOND WIND GUST OF 150 MPH (MAX). STRUCTURES SHOULD NOT BE USED IN OTHER LOCATIONS.
- 6. STRUCTURES ARE DESIGNED FOR LOCATIONS WITH A SURFACE ROUGHNESS CATEGORY B AND A TOPOGRAPHICAL FACTOR OF 1.0. STRUCTURES SHOULD NOT BE USED IN OTHER LOCATIONS.
- 7. STRUCTURES SHOULD HAVE METAL ROOF OR OPTIONAL 25 YEAR RATED FIBERGLASS/ASPHALT SHINGLES WITH 1 LAYER OF 15 LB ROOFING FELT.
- 8. ALL STUDS, RAFTERS, COLLAR TIES, AND TRUSS CHORDS ARE SPF #2, U.N.O.
- 9. ALL EXTERIOR DIMENSIONAL WOOD IS TO BE PRESSURE TREATED.
- 10. ALL ROOF DECKING IS TO BE 7/16" O.S.B.
- 11. ALL SIDING IS TO BE 9/32 T-111 OR DURATEMP SIDING W/ 50 YR LTD MFG WARRANTY.
- 12. ALL FLOOR JOISTS ARE TO BE P.T. SYP #2.
- 13. ALL EXTERIOR NAILS ARE TO BE HOT DIPPED GALVANIZED.
- 14. ALL INTERIOR FLOOR DECKING IS TO BE 5/8" PLYWOOD. EXTERIOR TO BE 5/4" P.T.
- 15. ALL SKIDS ARE TO BE 4x6 P.T. SYP, RATED FOR GROUND CONTACT.
- 16. 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 AND INCLUDED IN THE DESIGN OF SHORING, BRACING, FORM WORK, AND OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.
- 17. NO FIELD SUPERVISION OR CONSTRUCTION ADMINISTRATION WILL BE PROVIDED BY THE ENGINEER.

**DESIGN CRITERIA:**

- 1. INTERNATIONAL BUILDING CODE 2015
- 2. DEAD LOADS:  
FLOOR: 10 PSF  
LOFT: 5 PSF  
ROOF: 10 PSF
- 3. LIVE LOADS:  
FLOOR: 40 PSF  
LOFT: 10 PSF  
ROOF: 20 PSF (REDUCIBLE)
- 4. SNOW LOADS:  
GROUND SNOW LOAD,  $P_g=25\text{psf}$   
FLAT ROOF SNOW LOAD,  $P_f=20\text{psf}$   
SNOW EXPOSURE FACTOR,  $C_e=1.2$   
SNOW LOAD IMPORTANCE FACTOR,  $I=0.8$   
THERMAL FACTOR,  $C_t=1.2$
- 5. WIND LOADS:  
BASIC WIND SPEED,  $V=150\text{ MPH}$   
RISK CATEGORY = I  
WIND EXPOSURE C  
WIND LOAD IMPORTANCE FACTOR = 1.0  
C&C ROOF-ZONE 1=23 3, -37.0 PSF  
C&C ROOF-ZONE 2=23 3, -64.5 PSF  
C&C ROOF-ZONE 3=23 3, -95.4 PSF  
C&C WALL-ZONE 4=40 5, -43.9 PSF  
C&C WALL-ZONE 5=40 5, -54.2 PSF
- 6. SEISMIC LOADS:  
THIS STRUCTURE IS EXEMPT FROM SEISMIC DESIGN PER EXEMPTION 3 OF ASCE 7-10, SECTION 11.1.2

**BUILDING SIZE:**

16X16

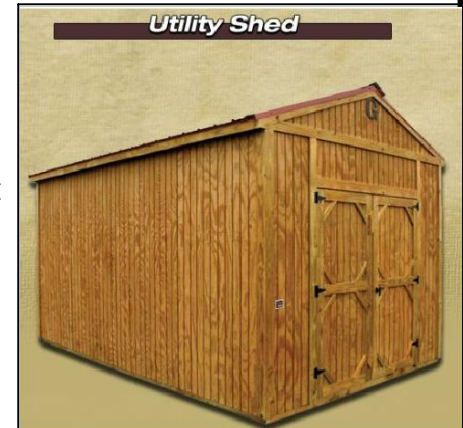
**INDEX OF SHEETS:**

- S-101 - COVER SHEET
- S-102 - FOUNDATION PLAN
- S-103 - UPLIFT ANCHORAGE
- S-104 - FRAMING PLAN
- S-105 - SECTIONS & ELEVATION
- S-106 - NAILING PATTERN
- S-107 - DETAILS
- S-108 - DETAILS

**ITEMS BY OTHERS:**

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

- 1. RAMPS, STAIRS, AND GENERAL ACCESS.
- 2. ELECTRICAL SERVICE HOOKUP.



**S.O.S. PORTABLE BUILDINGS**

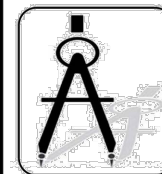
890, I-10 SERVICE RD, SLIDELL, LA 70461

BUILDING SIZE:	16X16	DATE:	01-04-2022
DRAWN BY:	TT	SCALE:	NTS

DRAWING NUMBER:

**S-101**

**UTILITY-LA-V=150MPH-IBC2015**



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