

**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=I  
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	24' WIDTH
8x12 8x16	14X20 14X24	18X20 18X24	24X20 24X24
10' WIDTH	14X28 14X32	18X28 18X32	24X28 24X32
10X12 10X16	14X40	18X40 18X45	24X40 24X50
10X24	16' WIDTH	18X50 18X60	24X60
12' WIDTH	16X20 16X24	20' WIDTH	40' WIDTH
12X16 12X20	16X28 16X32	20X20 20X24	40X20 40X24
12X24 12X28	16X40 16X50	20X28 20X32	40X28 40X32
12X32 12X40	16X60	20X40 20X50	40X40 40X50
		20X60	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 2018



**APEX BUILDERS & ASSOCIATES**

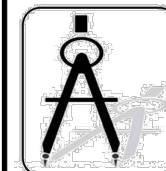
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**S-101**



**DAMMON ENGINEERING, INC.**

554 Old Spanish Trail Slidell, LA 70458 (985) 649-5832

Chief Engineer: Brian Mistich, PE  
554 Old Spanish Trail  
Slidell, LA 70458

www.dammonengineering.com  
info@dammonengineering.com  
PHONE: 985-649-5832