

**GENERAL NOTES:**

1. ALL MATERIALS & LABOR SHALL BE IN ACCORDANCE WITH LOCAL CODES AT THE TIME OF MANUFACTURE.
2. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
3. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT HAVE A 3 SECOND WIND GUST OF 150 MPH (MAX). STRUCTURES SHOULD NOT BE USED IN OTHER LOCATIONS.
4. 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.
5. STRUCTURES SHOULD HAVE METAL ROOF OR OPTIONAL 25 YEAR RATED FIBERGLASS/ ASPHALT SHINGLES WITH 1 LAYER OF 15 LB ROOFING FELT.
6. ALL STUDS, RAFTERS, COLLAR TIES, & TRUSS CHORDS ARE SPF #2, U.N.O.
7. ALL EXTERIOR DIMENSIONAL WOOD IS TO BE PRESSURE TREATED.
8. ALL ROOF DECKING IS TO BE 7/16" O.S.B.
9. ALL SIDING IS TO BE 9/32 T-111 OR 3/8 SMART SIDING ON PAINTED BUILDING W/ 50 YR LTD MFG WARRANTY
10. ALL FLOOR JOISTS ARE TO BE P.T. SYP #2.
11. ALL EXTERIOR NAILS ARE TO BE HOT DIPPED GALVANIZED.
12. ALL INTERIOR FLOOR DECKING IS TO BE 5/8" PLYWOOD. EXTERIOR TO BE 5/4" P.T.
13. ALL SKIDS ARE TO BE 4x6 P.T. SYP, RATED FOR GROUND CONTACT.
14. 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.
15. NO FIELD SUPERVISION OR CONSTRUCTION ADMINISTRATION WILL BE PROVIDED BY THE ENGINEER.

**DESIGN CRITERIA:**

1. **DEAD LOADS:**  
FLOOR: 10 PSF  
LOFT: 5 PSF  
ROOF: 10 PSF
2. **LIVE LOADS:**  
FLOOR: 40 PSF  
LOFT: 10 PSF  
ROOF: 20 PSF (REDUCIBLE)
3. **WIND LOADS:**  
BASIC WIND SPEED, V=150 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
4. **SNOW LOADS:**  
GROUND SNOW LOAD, P<sub>g</sub>=25psf  
FLAT ROOF SNOW LOAD, P<sub>f</sub>=20psf  
SNOW EXPOSURE FACTOR, C<sub>e</sub>=1.2  
SNOW LOAD IMPORTANCE FACTOR, I=0.8  
THERMAL FACTOR, C<sub>t</sub>=1.2
5. **SEISMIC LOADS:**  
THIS STRUCTURE IS EXEMPT FROM SEISMIC DESIGN PER EXEMPTION 3 OF ASCE 7-10, SECTION 11.1.2

**BUILDING SIZE:**

<u>8' WIDTH</u>	<u>10' WIDTH</u>
8x12 8x16	10x12 10x16
<u>12' WIDTH</u>	<u>14' WIDTH</u>
12x16 12x20	14x20 14x24
12x24 12x28	14x28 14x32
12x32 12x40	14x40
<u>16' WIDTH</u>	<u>18' WIDTH</u>
16x20 16x24	18x20 18x24
16x28 16x32	18x28 18x32
16x40 16x50	18x40 18x45
16x60	18x50 18x60
<u>20' WIDTH</u>	<u>24' WIDTH</u>
20x20 20x24	24x20 24x24
20x28 20x32	24x28 24x32
20x40 20x50	24x40 24x50
20x60	24x60
<u>30' WIDTH</u>	<u>40' WIDTH</u>
30x20 30x24	40x20 40x24
30x28 30x32	40x28 40x32
30x40 30x50	40x40 40x50
30x60	40x60

**CODE CRITERIA:**

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

**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



**APEX BUILDERS AND ASSOCIATES**

504-858-6544

DRAWN BY: TNT

SCALE: NTS

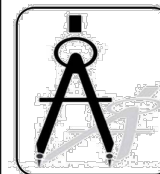
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SHEET TITLE: COVER PAGE

DRAWING NUMBER:

**S-101**

UTILITY-LA-V=150MPH-IBC2015



**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