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:

8' WIDTH	14' WIDTH	18' WIDTH	24' WIDTH
8x12 8x16	14X20 14X24	18X20 18X24	24X20 24X24
	14X28 14X32	18X28 18X32	24X28 24X32
10' WIDTH	14X40 14X44	18X40 18X45	24X40 24X50
10X12 10X16	14X48 14X50	18X50 18X60	24X60
10X20 10X24			
	16' WIDTH	20' WIDTH	40' WIDTH
12' WIDTH	16X20 16X24	20X20 20X24	40X20 40X24
12X16 12X20	16X28 16X32	20X28 20X32	40X28 40X32
12X24 12X28	16X40 16X44	20X40 20X50	40X40 40X50
12X32 12X40	16X50 16X60	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 2024

BRIAN A. MISTICH LICENSED PROFESSIONAL ENGINEER 20971 STATE OF MISSISSIPPI

DANCO BUILDINGS, LLC.

PHONE: 601-551-0469 EMAIL: CHRISDANIELS76@GMAIL.COM

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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