

ODE CRITERIA:

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

2017 FLORIDA BUILDING CODE, 6TH EDITION
FIRE PREVENTION CODE, 6TH EDITION

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.

BUILDING ADDRESSES:

25 PORTABLE BUILDINGS, LLC
355 SAILOR ROAD
REOLA, AL 36523
RACELAND PORTABLE BUILDINGS, LLC
37 RELIHAN STREET
MORSON, GA 31642

GENERAL NOTES:

STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE, 6TH EDITION.

ALL MATERIALS AND LABOR SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.

DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

STRUCTURES ARE CLASSIFIED AS "MINOR STORAGE UTILITIES" (OCCUPANCY CATEGORY I) AND SHOULD NOT BE USED FOR HUMAN HABITATION.

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2017 FBC, 6TH EDITION FOR A FREE SECOND GUST OF 150 MPH

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.

8. ALL STUDS, RAFTERS, COLLAR TIES, AND TRUSS CHORDS ARE SPF #2, U.N.O.

9. ALL EXTERIOR WOOD IS TO BE PRESSURE TREATED.

10. ALL ROOF DECKING IS TO BE 3/8" O.S.B.

11. ALL SIDING IS TO BE 3/8" P.T. T-111 PLYWOOD OR DURATEMP.

12. ALL FLOOR JOISTS ARE TO BE P.T. SYP #2.

13. ALL EXTERIOR NAILS ARE TO BE HOT DIPPED GALVANIZED.

14. ALL FLOOR DECKING IS TO BE 3/8" P.T. PLYWOOD.

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 HAS BEEN PROVIDED BY THE ENGINEER.

DESIGN CRITERIA:

1. 2017 FLORIDA BUILDING CODE, 6TH EDITION

FL FIRE PREVENTION CODE, 6TH EDITION

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 = 1
WIND EXPOSURE B
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, -45.9 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

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 FOR THESE ITEMS.

1. RAMPS, STAIRS, AND GENERAL ACCESS

BUILDING SIZES:

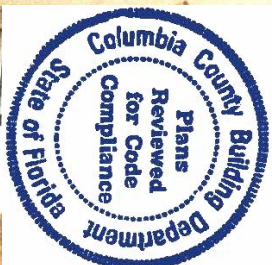
10' WIDTH
10'x24'
14' NOMINAL WIDTH*
*NOTE:(13'-0 ACTUAL)

12' NOMINAL WIDTH**
**NOTE:(11'-2 ACTUAL)
12'x20'
12'x24'
12'x28'
12'x32'
12'x40'

16' NOMINAL WIDTH*
*NOTE:(15'-0 ACTUAL)
16'x24'
16'x28'
16'x32'
16'x36'
16'x40'

INDEX OF SHEETS:

S-0-PG - COVER SHEET
S-1-PG - FOUNDATION PLAN
S-2-PG - UPLIFT ANCHORAGE
S-3-PG - FRAMING PLAN
S-4-PG - BUILDING SECTIONS
S-5-PG - ELEVATIONS
S-6-PG - NAIL PATTERN
S-7-PG - DETAILS
S-8-PG - DETAILS



SHEET APPROVAL STAMP



Plans Review: Victor C. Martin, PE
FL PE #82379, LA PE #42017
LSUCC #U02436, TN PE #120939



RAILROAD CONSULTANTS, PLLC
213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142



GRACELAND PORTABLE BUILDINGS, LLC
6807 HWY 62 WEST
BARDWELL, KY 42023
PHONE: (866) 574-7446

PROJECT NO:	14017
DATE:	12-29-17
DRAWN BY:	JGG
CHECKED BY:	DBG
REVISION:	02

SHEET NUMBER
S-0-PG
SCALE: 1/4"=1'-0

PORTABLE GARAGE---FL---V=150MPH---FBC 2017



FOUNDATION ANCHORING TIE DOWN
SYSTEM TO BE SITE DESIGNED AND
LOCALLY PERMITTED

4"x16"x16"
PRECAST
CONCRETE PA

8" CMU PIER
(3 COURSE MAX)

8"x16" SOLID
CAP BLOCK





PORTABLE GARAGE--FL--V=150MPH--FBC 2017



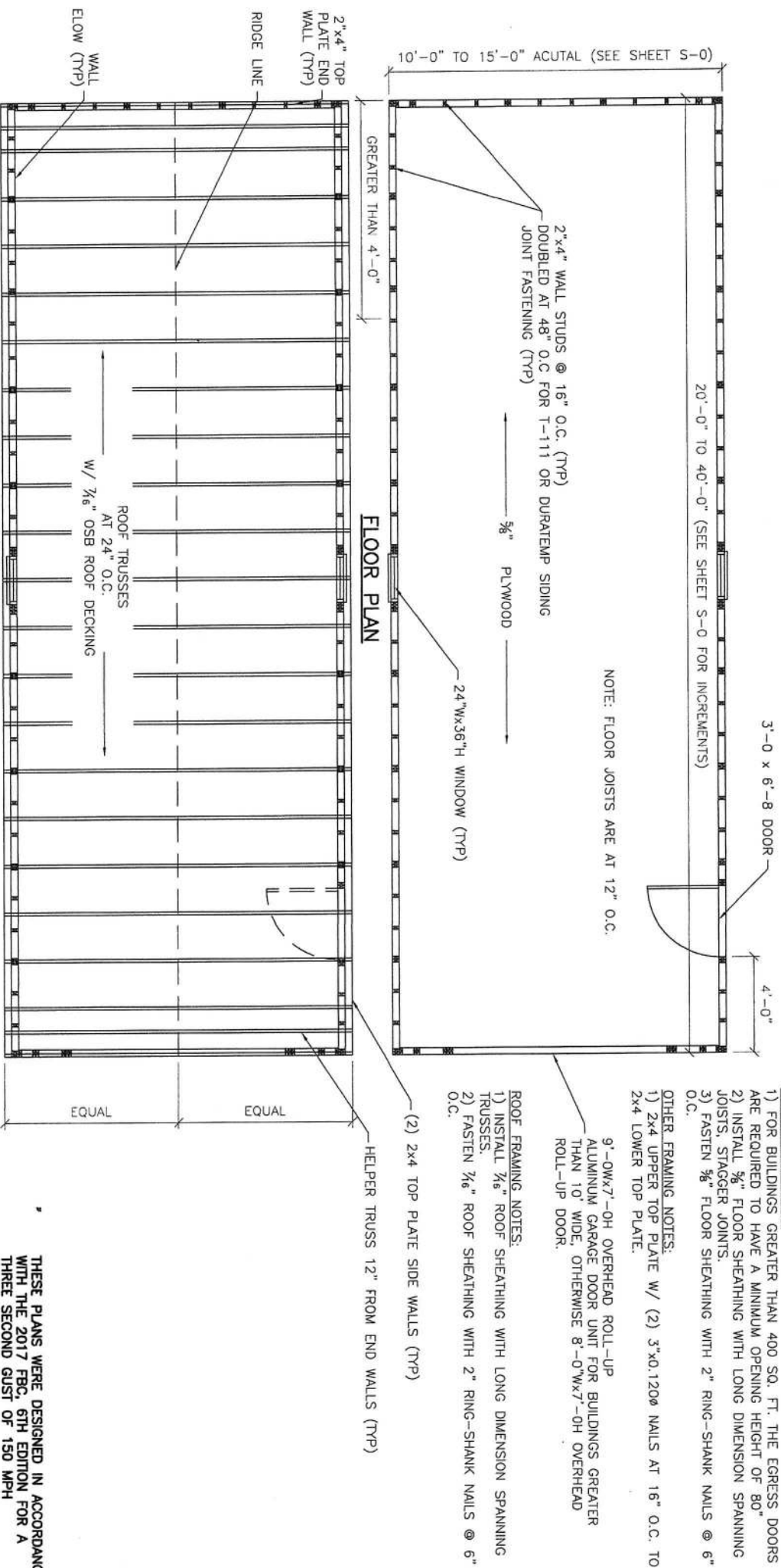
RAILROAD CONSULTANTS, PLLC
213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142



GRACELAND PORTABLE
BUILDINGS, LLC
6807 HWY 62 WEST
BARDWELL, KY 42023
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S-2-PG
SCALE: 1/4"=1'-0"



FLOOR PLAN NOTES:

- 1) FOR BUILDINGS GREATER THAN 400 SQ. FT. THE EGRESS DOORS ARE REQUIRED TO HAVE A MINIMUM OPENING HEIGHT OF 80" INSTALLED ¾" FLOOR SHEATHING WITH LONG DIMENSION SPANNING JOISTS, STAGGER JOINTS.
3) FASTEN ¾" FLOOR SHEATHING WITH 2" RING-SHANK NAILS @ 6" O.C.

OTHER FRAMING NOTES:

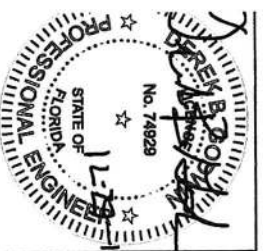
- 1) 2x4 UPPER TOP PLATE W/ (2) 3"x0.1200 NAILS AT 16" O.C. TO
2x4 LOWER TOP PLATE.

9'-0"x7'-0" OVERHEAD ROLL-UP
ALUMINUM GARAGE DOOR UNIT FOR BUILDINGS GREATER
THAN 10' WIDE, OTHERWISE 8'-0"x7'-0" OVERHEAD
ROLL-UP DOOR.

ROOF FRAMING NOTES:

- 1) INSTALL $\frac{7}{8}$ " ROOF SHEATHING WITH LONG DIMENSION SPANNING TRUSSES.
- 2) FASTEN $\frac{7}{8}$ " ROOF SHEATHING WITH 2" RING-SHANK NAILS @ 6" O.C.

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2017 FBC, 6TH EDITION FOR A THREE SECOND GUST OF 150 MPH



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FL PE #82379, LA PE #42017
LSUCCC #U02436, TN PE #120939



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213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142

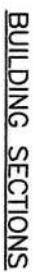


**GRACELAND
PORTABLE
BUILDINGS®**

GRACELAND PORTABLE
BUILDINGS, LLC
6807 HWY 62 WEST
BARDWELL, KY 42023
PHONE: (866) 574-7446

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SCALE: 1/4"=1'-0"



*NOTE: ON 10'-0" WIDE BUILDINGS THE OUTER SKIDS ARE SPACED AT 12" FROM THE EXTERIOR OF THE BUILDING (EXCLUDING THE SHEATHING).

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 74629
BREK B. BOYD
1-15-17



RAILROAD CONSULTANTS, PLLC
213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142



**GRACELAND
PORTABLE
BUILDINGS***

**GRACELAND PORTABLE
BUILDINGS, LLC**
6807 HWY 62 WEST
BARDWELL, KY 42023
PHONE: (866) 574-7446

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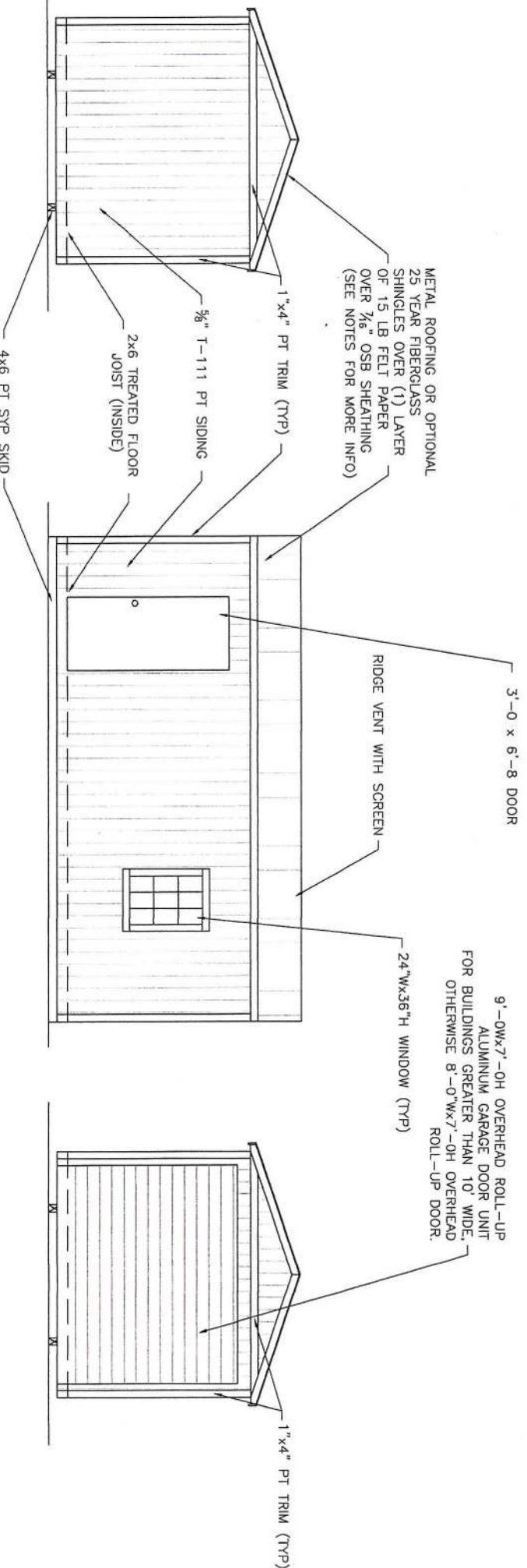
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REVISION: 02

SHEET NUMBER

S-4-PG

SCALE: 1/4"=1'-0"



END WALL ELEVATION

SIDE WALL ELEVATION

END WALL ELEVATION 2

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- ROOFING AND UNDERLAYMENT NOTES:
- 1) PROVIDE A RIDGE VENT TYPICAL WITH INSECT SCREEN.
 - 2) METAL ROOFING SHALL BE 29 GAUGE METAL IN ACCORDANCE WITH ASTM A 924 OR ASTM A 924M OVER OSB SHEATHING.
 - 3) PROVIDE 29 GAUGE RIDGE CAP, EAVE TRIM AND RAKE TRIM.
 - 4) INSTALL AND FASTEN METAL ROOFING PER MANUFACTURER'S INSTRUCTIONS FOR WIND LOADING.
 - 5) OPTIONAL SHINGLES SHALL BE IN ACCORDANCE WITH ASTM D 7158 TYPE H OR ASTM D 3161F TYPICAL.
 - 6) INSTALL 1 LAYER OF 15 LB ROOFING FELT, START WITH A 19" WIDE STRIP PARALLEL WITH AND STARTING AT EAVES FASTENED SECURELY TO HOLD IN PLACE. START AT EAVE WITH A 38" WIDE SHEET WITH OVERLAPPING SUCCESSIVE SHEETS BY 19". FASTEN UNDERLAYMENT WITH CORROSION-RESISTANT FASTENERS PER MANUFACTURER'S INSTRUCTIONS AND SPACED A MAXIMUM OF 36" APART.

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PSI
Professional Seal
No. 74829
STATE OF FLORIDA
PROFESSIONAL ENGINEER
L-17817
unbertek
LISCDC RU02436, TN PE #120939

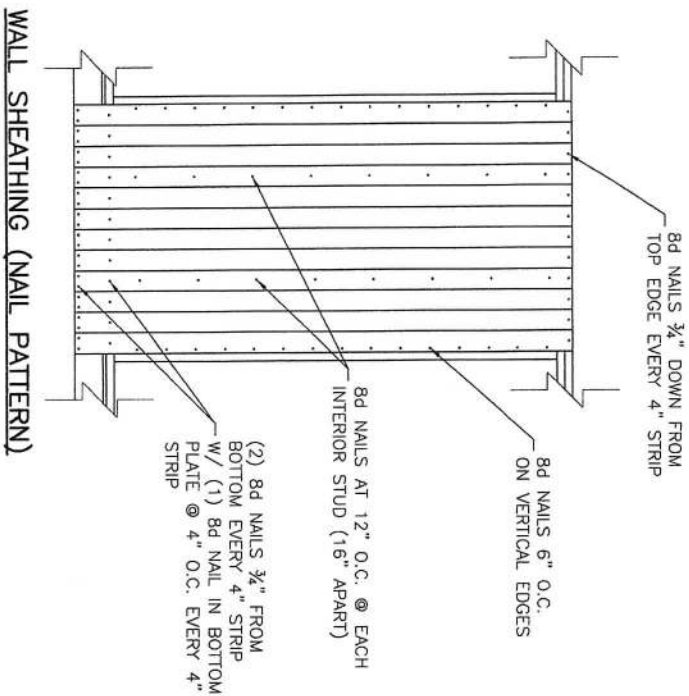
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213 UPTOWN SQUARE
MURFREESBORO, TN 37129
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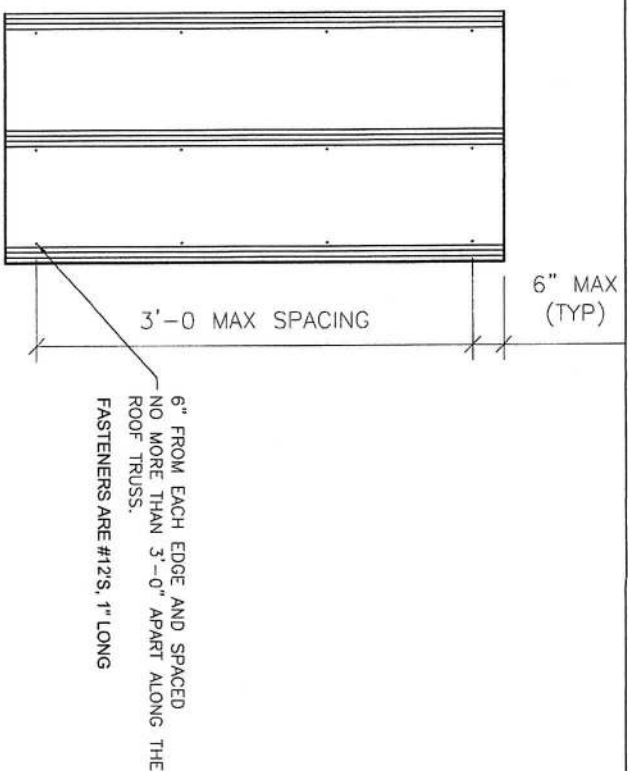
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6807 HWY 62 WEST
BARDWELL, KY 42023
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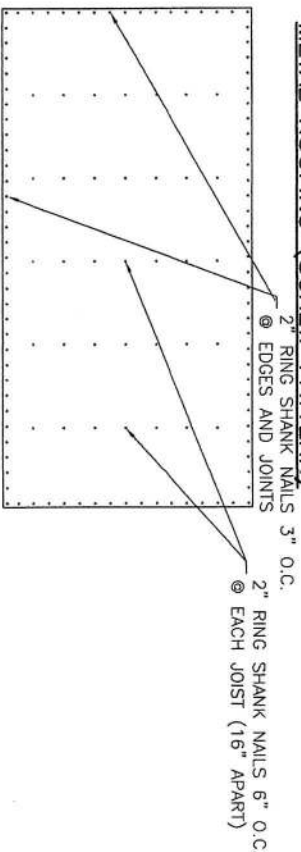
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DATE: 12-29-17	S-5-PG
DRAWN BY: JGG	SCALE: 1/4"=1'-0"
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WALL SHEATHING (NAIL PATTERN)



METAL ROOFING (SCREW PATTERN)



FLOOR SHEATHING (NAIL PATTERN)

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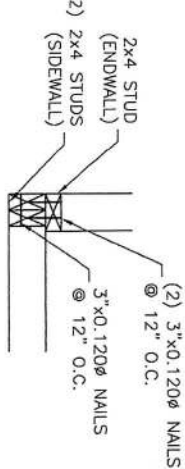
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213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142



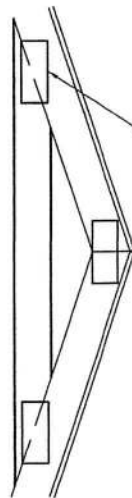
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6807 HWY 62 WEST
BARDWELL, KY 42023
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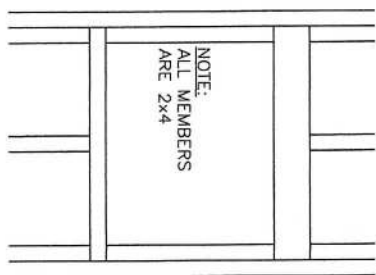
SHEET NUMBER
S-6-PG
SCALE: 1/2"=1'



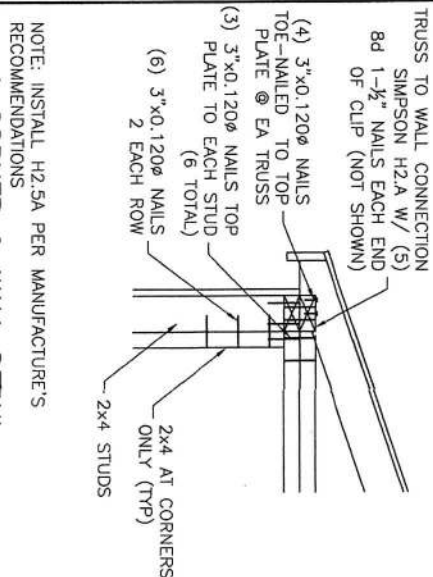
1-CORNER DETAIL



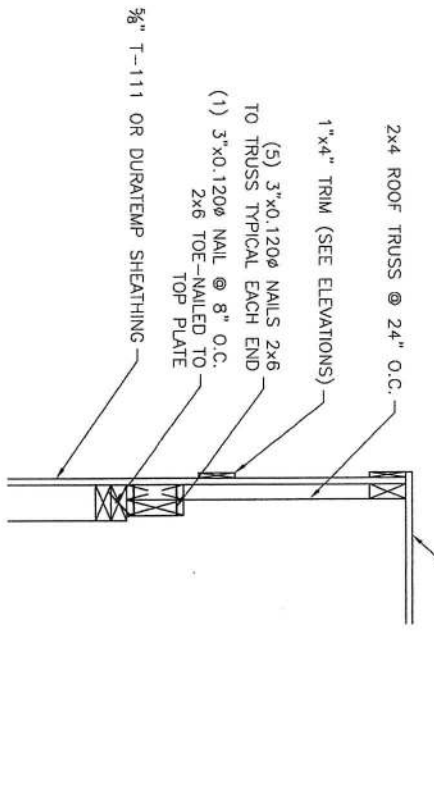
2-TRUSS SPLICE DETAIL



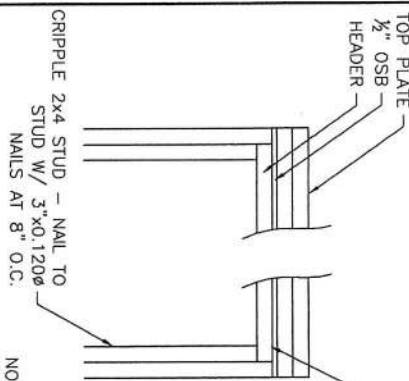
3-TYP WINDOW FRAMING



4-CORNER & WALL DETAIL

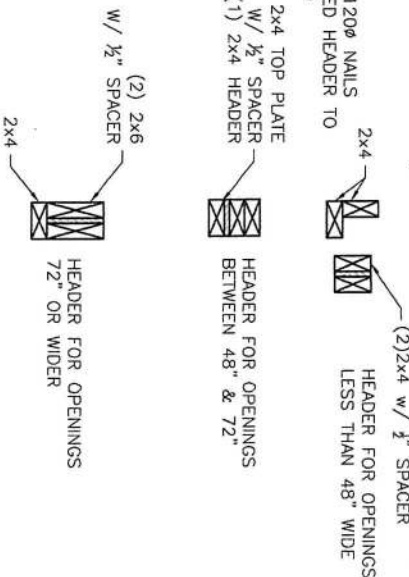


5-END WALL DETAIL



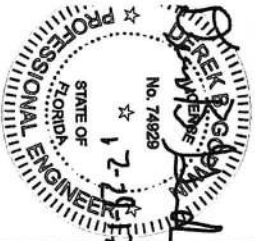
6-TYP DOOR FRAMING

NOTE:
FOR 12' HIGH OR GREATER SIDEWALLS,
A 48" MAX OPENING IS ALLOWED.



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SHEET APPROVAL STAMP



psi
INTERTEK
CORPORATION
1500 14th Street
Birmingham, AL 35203
Phone: 800.273.1427
Fax: 205.963.1427
Email: info@psi.com



RAILROAD CONSULTANTS, PLLC
213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142



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6807 HWY 62 WEST
BARDWELL, KY 42023
PHONE: (866) 574-7446

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S-7-PG
SCALE: 1"=1'

PORTABLE GARAGE---FL---V=150MPH---FBC 2017

2x4 STUD

(2) 3"x0.120ø NAILS @ 16" O.C.

3"x0.120ø NAIL @ 8" O.C.

(6) 3"x0.120ø NAILS EACH SIDE OF DOUBLE JOIST @ 12" O.C.

2x6 PT PULL BLOCK w/ (12) 3"x0.120ø NAILS INTO EACH SKID

2x6 RIM JOIST

2x4 PT PULL BLOCK w/ (2) 3"x0.120ø @ 6" NAILS INTO 2x6 PT PULL BLOCK (LOCATED BETWEEN MIDDLE STRIPS ONLY)

4x6 PT SYP SKID

2x4 STUD

(4) 3"x0.120ø NAILS @ 16" O.C.

2x6 PT PULL BLOCK W/ (12) 3"x0.120ø NAILS INTO EACH SKID

3"x0.120ø NAIL @ 8" O.C.

2x6 RIM JOIST

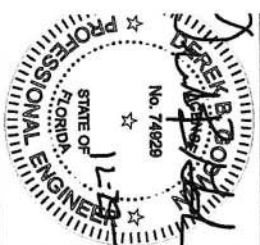
SIMPSON A23 CLIP SCREWED (NOT SHOWN FOR CLARITY)

2x4 PT PULL BLOCK W/ (2) 3"x0.120ø @ 6" NAILS INTO 2x6 PT PULL BLOCK (LOCATED BETWEEN MIDDLE SKIDS ONLY)

4x6 PT SYP SKID

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GRACELAND PATENTED
CONTINUOUS VENTED SOFFIT



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Intertek

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02000 PSI WATER

27

Plants Review: Victor C. Martin, PE
FL PE #B82379, LA PE #42017
LSUCCC #H020436, TN PE #I20939



RAILROAD CONSULTANTS, PLLC
213 UPTOWN SQUARE
MURFREESBORO, TN 37129
PHONE: (615) 663-1142



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S-8-PG
SCALE: 1"=1'