

December 29, 2023

Mr. Thomas Campbell  
Florida Department of Business and Professional Regulation  
Codes & Standards Office  
2601 Blair Stone Road, Building C  
Tallahassee, FL 32399-0772



**RE: Manufacturer: Premier Portable  
Agency Plan Number: Utility Shed 23**

Dear Mr. Campbell,

Architectural Testing Inc., an Intertek company ("Intertek-ATI"), part of Intertek<sup>1</sup> Building Science Solutions, in accordance with the requirements of the Florida Department of Business and Professional Regulations, the above-referenced documents have been reviewed for compliance with:

**2023 Florida Building Code, 8<sup>th</sup> Edition with Latest Supplements**  
**2020 National Electrical Code (NFPA-70-20)**

This approval covers the factory-built structure only. Any alterations to the factory-built structure on site would avoid approval. This plan is subject to the following:

- This plan is Not Approved for High-Velocity Hurricane Zone (i.e., Broward and Miami/Dade Counties)
- Signed and sealed plans are on file with Intertek-ATI
- Chapter 633 Plan Review and Inspection shall be conducted by the local fire and safety inspector
- Items installed on-site are subject to review and approval by the local authority having jurisdiction.
- This review includes products for compliance with 553.8425 or FAC Chapter 61G20-3

If you have any questions or require our assistance, please do not hesitate to contact us.

Respectfully submitted,

*Ryan Knowles*

Ryan Knowles  
Senior Manager  
Building Science Solutions

<sup>[1]</sup> Intertek is a brand name representing the Intertek Group plc legal entities, including but not limited to, Intertek Testing Services NA Inc., Professional Service Industries, Inc. ("INTERTEK-PSI"), Architectural Testing Inc. ("INTERTEK-ATI"), and MT Group Inc. ("INTERTEK-MT").  
[www.intertek.com/building](http://www.intertek.com/building)



# UTILITY SHED PLANS

STATE OF FLORIDA (170 MPH) WINDS

**GENERAL NOTES:**

- DESIGNED IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE, BUILDING (F.B.C.).
- ALL MATERIALS AND LABOR SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- THE FOUNDATION PLAN IS A SEPARATE SET OF PLANS FOR APPROVAL BY LOCAL MUNICIPALITIES.
- EXTERIOR DIMENSIONS CAN VARY BETWEEN LIMITS SHOWN @ 2'-0" +/- BUT MEMBER SPACING SHALL NOT EXCEED LIMITS AS INDICATED.
- ALL THE FOLLOWING LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AMPA USE CATEGORY UC4B (GROUND CONTACT, HEAVY DUTY) SUGGS.
- ALL THE FOLLOWING LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AMPA USE CATEGORY UC3B (EXTERIOR ABOVE GROUND, UNCOATED OR FLOOR WATER RUNOFF), FLOORS, JOISTS, PLYWOOD FLOOR SHEETING, AND EXTERIOR RATED WOOD STRUCTURAL PANEL SHEETING.
- LP STRUCTURAL SUB-FLOORING 7/8" MAY BE USED IN LIEU OF PRESSURE TREATED PLYWOOD FLOORING.
- P.T. PLYWOOD FLOORING NOT REQUIRED WHERE THE BOTTOM OF THE FLOORING IS OVER 18" ABOVE GROUND SECTION 2304.12.1.1 FBC 2023.
- ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED (118) OR STAINLESS STEEL.
- ALL WINDOWS WITHIN 24" OF DOORS, AND ALL GLASS IN DOORS SHALL BE SAFETY, TEMPERED, OR ACRYLIC PLASTIC SHEET.
- FOR ROOFS WITH ASPHALT SHINGLES AND A SLOPE BETWEEN 2 TO 12 AND 4 TO 12 SHALL HAVE A DOUBLE UNDERLAYMENT APPLICATION AS REQUIRED IN ACCORDANCE WITH SECTION 1507.2.2 OF THE 2023 F.B.C.
- UNDERLAYMENT SHALL CONFORM WITH SECTION 1507.2.3 (ASPHALT SHINGLES) AND 1507.4.5.1 (METAL ROOF PANEL) OF THE 2023 F.B.C.
- ASPHALT SHINGLES SHALL CONFORM WITH SECTION 1507.2.5 OF THE 2023 F.B.C. ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH 1507.2.7 OF THE 2023 F.B.C.
- FASTENERS FOR ASPHALT SHINGLES SHALL CONFORM TO SECTION 1507.2.6 OF THE 2023 F.B.C.
- THE DOWNS SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES.
- BUILDINGS NOT DESIGNED FOR HAZQ REQUIREMENTS AS SET FORTH IN THE 2023 F.B.C.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY AND PLACEMENT OF LUMIN STORAGE UNIT TO INSURE THE INTEGRITY OF THE BUILDING AND ITS COMPONENT PARTS.
- NO FIELD REVISIONS TO ANY STRUCTURAL COMPONENT OR DEVIATION FROM THESE DRAWINGS SHALL BE MADE.
- THE OWNER AND THE CONTRACTOR SHALL HOLD HARMLESS THE ENGINEER FROM AND AGAINST ALL LIABILITY CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING LEGAL FEES ARISING OUT OF OR RESULTING FROM ERROR OR OMISSIONS IN THE PERFORMANCE OF THE WORK BY THE CONTRACTOR.
- SECTIONS AND DETAILS ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY AT ALL SIMILAR LOCATIONS, UNLESS OTHER SECTIONS AND DETAILS ARE SPECIALLY REFERENCED.
- REFER TO SUPPLIED FASTENING SCHEDULE FOR FASTENING BASE ON CONNECTION AND LOCATION OF MEMBERS AS PER 2023 FLORIDA BUILDING CODE TABLE 2304.10.1 UNLESS NOTED OTHERWISE.
- BUILDINGS HAVE BEEN DESIGNED FOR LP SMARTSIDE PRECISION PANEL SHEETING, LP SMARTSIDE PRECISION LAP SHEETING SHALL NOT BE USED.
- FASTENERS IN LP SMARTSIDE PRECISION PANEL SHEETING MUST NOT BE INSTALLED IN PANEL SHEETING GROOVES IN THE FIELD OF THE PANEL SHEETING OR WHEN THE PANEL SHEETING GROOVES OCCUR AT CUT EDGES OF THE PANEL SHEETING.
- REFER TO THE ICC-ES EVALUATION REPORT ESR-1391 FOR ADDITIONAL DATA AND SPECIFICATIONS OF LP SMARTSIDE PRECISION PANEL SHEETING. FLORIDA PRODUCT APPROVAL #1910.5 & #1910.4.
- MAX OPENING WIDTHS MUST COMPLY WITH DESIGN RATIOS AS PER ANSI/AISC-2015 CHAPTER 35. BUILDING HAVE BEEN DESIGNED TO HAVE ONLY OPENINGS WITH MAX WIDTHS EQUAL TO THOSE IN THE ENDFALL SHEAR WALL CHART.
- AS PER SECTION 903.7.1(10)(b), FLORIDA STATUTES, STORAGE SHEETS THAT ARE NOT DESIGNED FOR HUMAN HABITATION AND THAT HAVE A FLOOR AREA OF 720 SQUARE FEET OR LESS ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WIND-BURNE-DEBRIS IMPACT STANDARDS OF THE FLORIDA BUILDING CODE. IN ADDITION, SUCH BUILDINGS THAT ARE 400 SQUARE FEET OR LESS AND THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE- AND TWO-FAMILY RESIDENCES ARE NOT SUBJECT TO THE DECK HEIGHT AND WIDTH REQUIREMENTS OF THE FLORIDA BUILDING CODE. SEE FBC 1010.1.1 EXCEPTION (10).
- BUILDING HAVE BEEN DESIGNED TO HAVE ANCHORS DIRECTLY ATTACHED TO ALL FOUR CORNERS OF THE BUILDING TO RESIST TENSION FORCES FROM LATERAL WIND LOADS. THIS DESIGN CONSIDERATION MUST BE MADE BY INSTALLER WHEN ATTACHING ANCHORING SYSTEM TO BUILDING.
- UNLESS NOTED OTHERWISE, ATTACH ALL MANUFACTURED PRODUCTS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- SHEETS THAT HAVE A FLOOR AREA OF 720 SQUARE FEET OR MORE ARE REQUIRED TO HAVE IMPACT RESISTANT WINDOWS & DOORS PER FLORIDA CODE 1609.1.2 "PROTECTION OF OPENING" GLAZED OPENINGS IN BUILDING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT-RESISTANT COVERING.

**NOTE:**  
THIS BUILDING IS STRUCTURALLY ABLE TO MEET VARIABLE SPACE. TO MAKE VARIABLE SPACE, AN ENGINEER OR ARCHITECT MUST DESIGN SYSTEMS TO MEET THE FLORIDA BUILDING CODE.  
**HABITABLE SPACE:**  
A SPACE IN A BUILDING FOR LIVING, SLEEPING, EATING OR COOKING, BATHROOMS, TOILET ROOMS, CLOSETS, HALLS, SCREEN ENCLOSURES, SUNROOM CATEGORIES U3H AND U4 AS DEFINED IN SECTION 2002A, STORAGE OR UTILITY SPACES AND SIMILAR AREAS ARE NOT CONSIDERED VARIABLE SPACES.

**SITE INSTALLED ITEMS:**  
NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTIONAL APPROVAL.

- THE COMPLETE FOUNDATION SUPPORT AND TIE-DOWN SYSTEM.
- RAMPS, STAIRS, AND GENERAL ACCESS TO THE BUILDING IF NECESSARY.
- CUTTERS AND DOWNSPUTS ON ALL BUILDINGS WITH EAVES OF LESS THAN 6 INCHES HORIZONTAL PROJECTION EXCEPT FOR GABLE END RAFTERS.
- BUILDING IS EQUAL OR LESS THAN 720 SQ. FOOT.

SHED MANUFACTURER SHALL HAVE A LIST OF ALL REQUIRED PRODUCTS THAT NEED FLORIDA STATE APPROVAL AVAILABLE FOR 3RD PARTY INSPECTOR AND REVIEW BY LOCAL JURISDICTIONAL APPROVAL.



**DESIGN CRITERIA:**

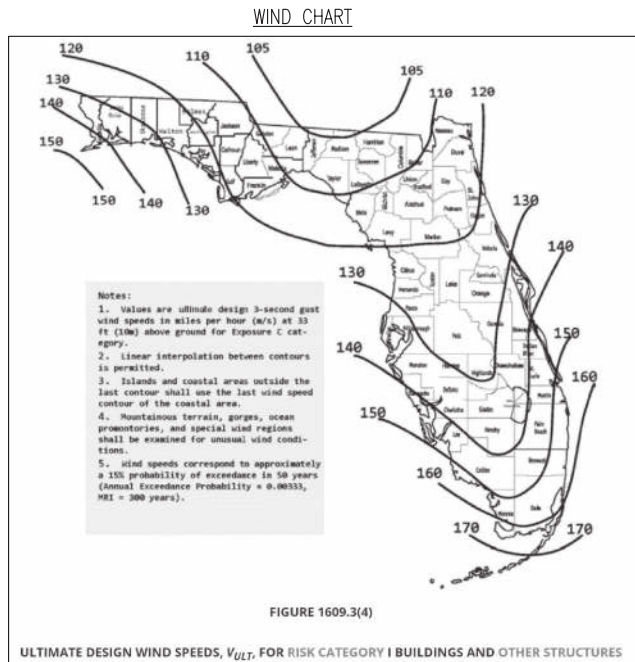
1. WIND VELOCITY	170 MPH
2. DESIGN CRITERIA (RISK CATEGORY) I	
3. WIND EXPOSURE	C
4. INT. PRESSURE COEFFICIENT	±0.18
5. ENCLOSURE CLASSIFICATION	ENCLOSED
6. BASED ON HEIGHT	15 FEET
7. OVERHANG	NO
8. FLOOR DESIGN LIVE LOAD	125 PSF
FLOOR DESIGN DEAD LOAD	4 PSF
9. ROOF DESIGN LIVE LOAD	30 PSF
ROOF DESIGN DEAD LOAD	7 PSF
GABLE END LATERAL LOAD	30 PSF
10. WALL DESIGN DEAD LOAD	3 PSF
11. CONSTRUCTION TYPE	VB
BUILDING OCCUPANCY =	RESIDENTIAL STORAGE SHED
12. FIRE RATING EXT. WALLS	0
13. ALLOWABLE NUMBER OF FLOORS	1
14. THE CONTRACTOR / MANUFACTURER MUST COMPLY WITH THE FOLLOWING CODES AND ALL OF THEIR AMENDMENTS / SUPPLEMENTS.	

**FLORIDA CODE SUMMARY**

2023 FLORIDA BUILDING CODE
ADOPTS w/ AMENDMENTS FBC 2021
2020 NATIONAL ELECTRICAL CODE

**SHEET LIST**

SHEET NUMBER	SHEET TITLE
C-1	COVER SHEET
C-2	FASTENING SCHEDULE / WIND LOADING
A-1	FRAMING PLANS & DETAILS
A-2	DETAILS / SHEARWALL CHART
A-3	TYPICAL DETAILS
A-4	OPTIONAL PORCH DETAILS
A-5	TRUSS DETAILS



AREA FOR APPROVAL STAMPS



OCALA FLORIDA SHOP  
DBA FLORA-BAMA MFG  
3082 NE 24TH STREET  
OCALA FL 34470

**PROJECT:**  
UTILITY SHED

COVER SHEET & GENERAL NOTES

DON VAN GERVE, P.E.  
SPECIALTY STRUCTURAL ENGINEER



**ENGINEERING SERVICES PROVIDED FOR:**  
PREMIER PORTABLE BUILDINGS  
317 EAST STATE LINE ROAD  
SOUTH FULTON, TN 38257  
WWW.PREMIERBUILDINGS.US

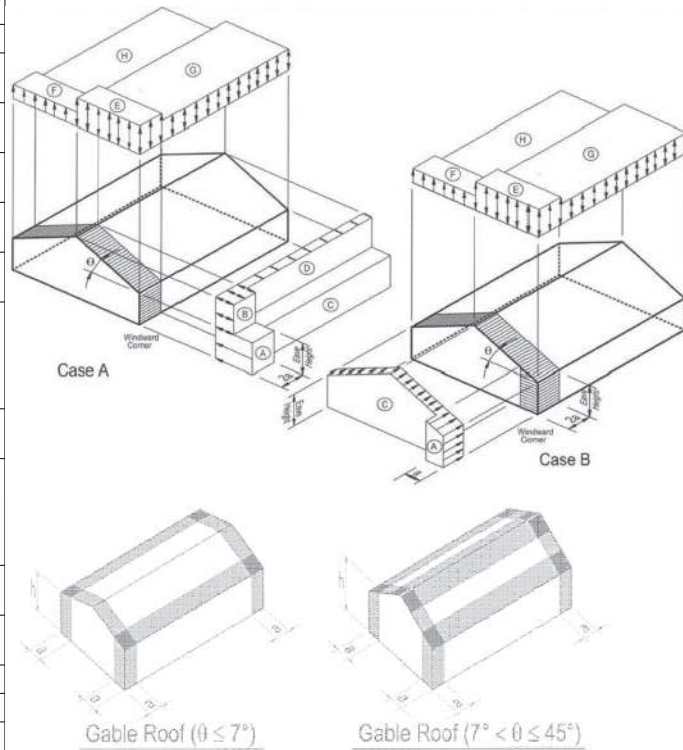
REVISION	DESCRIPTION	DATE	BY

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PROJECT NO.: 20205  
DRAWING BY: JH  
CHK BY: DWG  
DWG NO.:

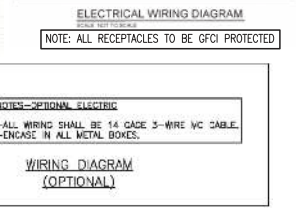
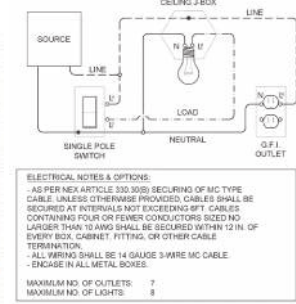
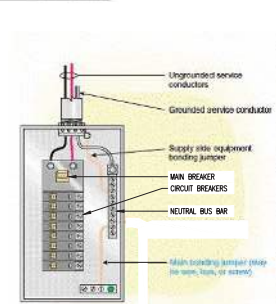
C-1

1 of 7

FASTENING SCHEDULE (2304.10.1 FBC)		
CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE-NAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 1/2"x0.131") 2 - 3"x0.131" NAILS 2 - 3" 14 GAGE STAPLES	TOE-NAIL EACH END
3. SOLE PLATE TO JOIST OR BLOCKING	16d (3/8"x0.135) @ 16" o/c 3"x0.131" NAILS @ 8" o/c 3" 14 GAGE STAPLES @ 12" o/c	TYPICAL FACE NAIL
4. SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANEL	3 - 16d (3/8"x0.135) @ 16" o/c 4 - 3"x0.131" NAILS @ 16" o/c 4 - 3" 14 GAGE STAPLES @ 16" o/c	BRACED WALL PANELS
5. TOP PLATE TO STUD	2 - 16d (3/8"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
6. STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2"x0.131") 4 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE-NAIL
7. DOUBLE STUDS	2 - 16d COMMON (3/8"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
8. DOUBLE TOP PLATES	16d (3/8"x0.135) @ 24" o/c 3"x0.131" NAILS @ 8" o/c 3" 14 GAGE STAPLES @ 8" o/c	FACE NAIL
9. BLOCKING BETWEEN JOISTS OR TRUSSES TO TOP PLATE	16d (3/8"x0.135) @ 16" o/c 3"x0.131" NAILS @ 12" o/c 3" 14 GAGE STAPLES @ 12" o/c	TYPICAL FACE NAIL
10. TOP PLATES, LAPS AND INTERSECTIONS	8 - 16d COMMON (3/8"x0.162") 12 - 3"x0.131" NAILS 12 - 3" 14 GAGE STAPLES	LAP SPLICE
11. CONTINUOUS HEADER (2) PIECES	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE-NAIL
12. CONTINUOUS HEADER TO STUD	2 - 16d (3/8"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
13. BUILT-UP CORNER STUDS	8 - 16d COMMON (3/8"x0.162") 4 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE-NAIL
14. DOUBLE TOP PLATES	20d (4"x0.192") @ 32" o/c 3"x0.131" NAILS @ 24" o/c 3" 14 GAGE STAPLES @ 24" o/c	FACE NAIL @ TOP & BOTTOM STAGGERED ON OPP. SIDES
15. JOIST TO BAND JOIST	2 - 20d COMMON (4"x0.192") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL @ ENDS AND AT EACH SPLICE
16. WOOD STRUCTURAL PANELS AND PARTICLE BOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6dJ 2 1/2"x0.113" NAIL 1 1/2" 16 GAGE <sup>a</sup> 8d OR 2 1/2"x0.113" NAIL <sup>a</sup> 2" 16 GAGE <sup>b</sup> 8d 10d <sup>c</sup> OR 8d	FACE NAIL @ TOP & BOTTOM STAGGERED ON OPP. SIDES
17. 29ga. STEEL SIDING (TO FRAMING)	1/2" OR LESS 8d 3/4"	NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.
18. FIBERBOARD SHEATHING <sup>d</sup>	1/2" NO. 11 GAGE ROOFING NAIL <sup>b</sup> 6d COMMON NAIL (2"x0.113") NO 16 GAGE STAPLE <sup>e</sup>	
	3/8" NO. 11 GAGE ROOFING NAIL <sup>b</sup> 8d COMMON NAIL (2 1/2"x0.131") NO 16 GAGE STAPLE <sup>e</sup>	



- FIGURE 1609.6.2.2 COMPONENT AND CLADDING PRESSURE
- COMMON OR BOX NAIL ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
  - NAILS SPACED @ 6" o/c AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 4" AT SUPPORTS WHERE SPANS ARE 4" OR MORE, FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE BOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305 FBC. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CAGING.
  - COMMON OR DEFORMED SHANK (6d - 2"x0.113", 8d - 2"x0.131", 10d 3"x0.148").
  - COMMON (6d - 2"x0.113", 8d - 2"x0.131", 10d 3"x0.148").
  - DEFORMED SHANK (6d - 2"x0.113", 8d - 2"x0.131", 10d 3"x0.148").
  - CORROSION-RESISTANT SIDING (6d - 1 1/2"x0.108", 8d - 2 1/2"x0.128") OR CASING (6d - 1 1/2"x0.113", 8d - 2 1/2"x0.113") NAIL.
  - FASTENERS SPACED 3" o/c AT EXTERIOR EDGES AND 6" o/c AT INTERMEDIATE SUPPORTS WHEN USED AS STRUCTURAL SHEATHING.
  - CORROSION-RESISTANT ROOFING NAILS w/ 3/8" DIAMETER HEAD AND 1 1/2" LENGTH FOR 3" SHEATHING AND 1 3/4" LENGTH FOR 3/8" SHEATHING.
  - CORROSION-RESISTANT STAPLES WITH NOMINAL 3/4" CROWN OR 1" CROWN AND 1 3/4" LENGTH FOR 3" SHEATHING AND 1 1/2" LENGTH FOR 3/8" SHEATHING. PANEL SUPPORTS @ 16" o/c @ 20" IF STRENGTH AXIS IS THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED.
  - FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2"x0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 3/4".
  - FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" o/c AT EDGES, 8" o/c AT INTERMEDIATE SUPPORTS.
  - FASTENERS SPACED 4" o/c AT EDGES, 8" o/c AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3" o/c AT EDGES, 6" AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
  - FASTENERS SPACED 4" o/c AT EDGES, 8" AT INTERMEDIATE SUPPORTS.



AREA FOR APPROVAL STAMPS

OCALA FLORIDA SHOP  
DBA FLORA-BAMA MFG  
3082 NE 24TH STREET  
OCALA FL 34470

PROJECT:  
UTILITY SHED

FASTENING SCHEDULE / WIND LOADING

DON VAN GERVE, P.E.  
SPECIALTY STRUCTURAL ENGINEER

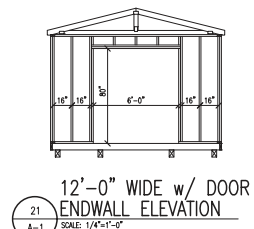
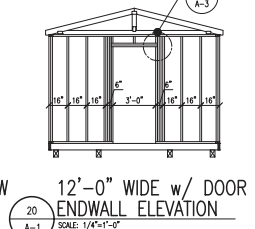
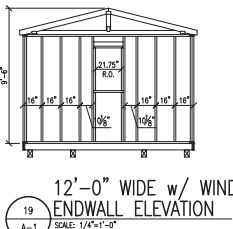
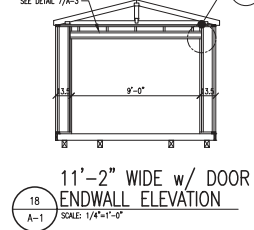
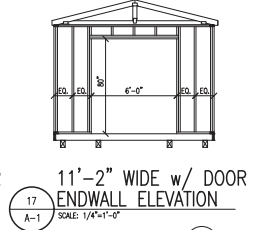
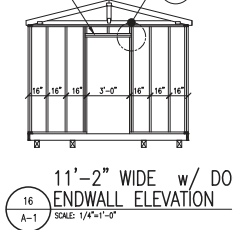
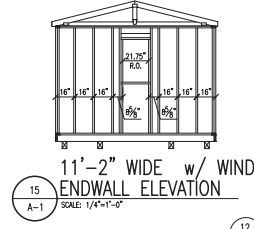
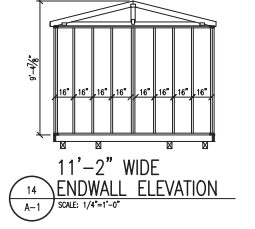
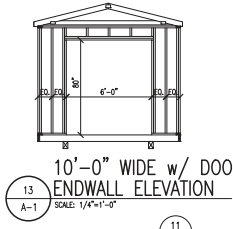
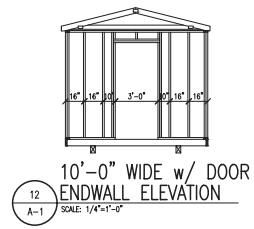
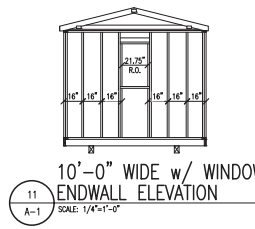
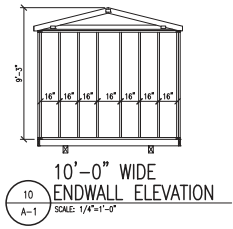
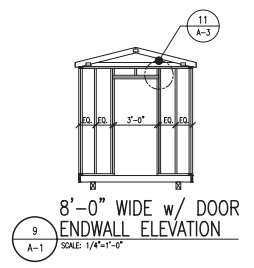
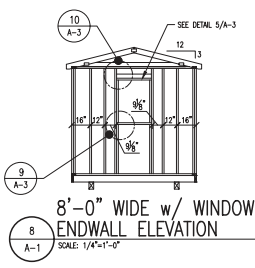
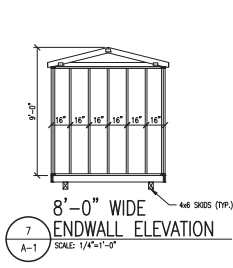
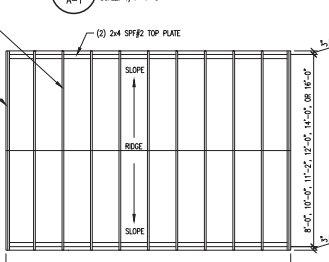
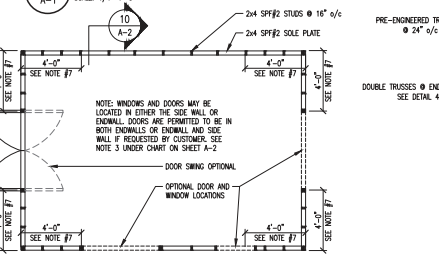
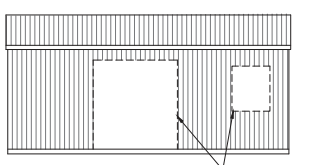
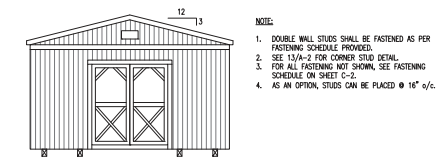
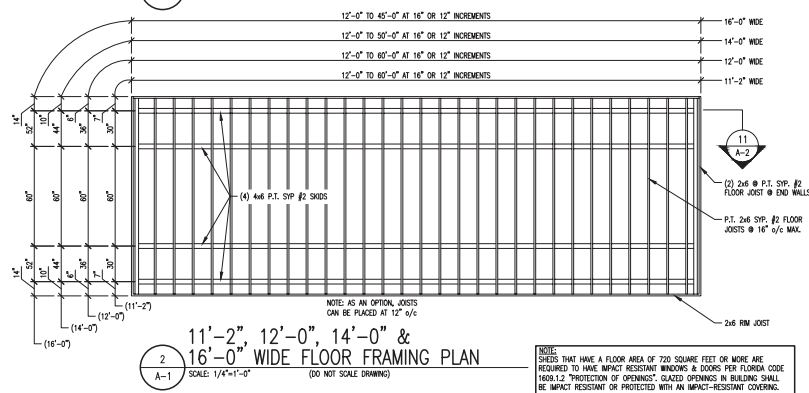
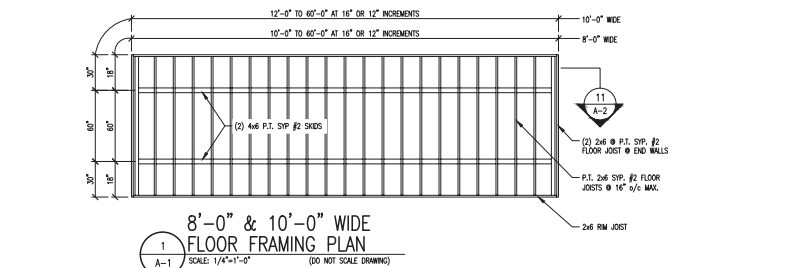
ADS  
ALTERNATE DESIGN SOLUTIONS  
STRUCTURAL ENGINEERING ARCHITECTURAL SERVICES  
PHONE: 215.355.6884  
WWW.ALTERNATEDESIGNSOLUTIONS.COM

ENGINEERING SERVICES PROVIDED FOR:  
PREMIER PORTABLE BUILDINGS  
317 EAST STATE LINE ROAD  
SOUTH FULTON, TN 38257  
WWW.PREMIERBUILDINGS.US

REVISION	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			

DATE: 11.13.23  
PROJECT NO.: 20205  
DRAWING BY: JH  
CHK BY: DWG  
DWG NO.: C-2

2 of 7



AREA FOR APPROVAL STAMPS

OCALA FLORIDA SHOP  
DBA FLORA-BAMA MFG  
3082 NE 24TH STREET  
OCALA FL 34470

PROJECT: UTILITY SHED

FLOOR DECK FRAMING PLANS & DETAILS

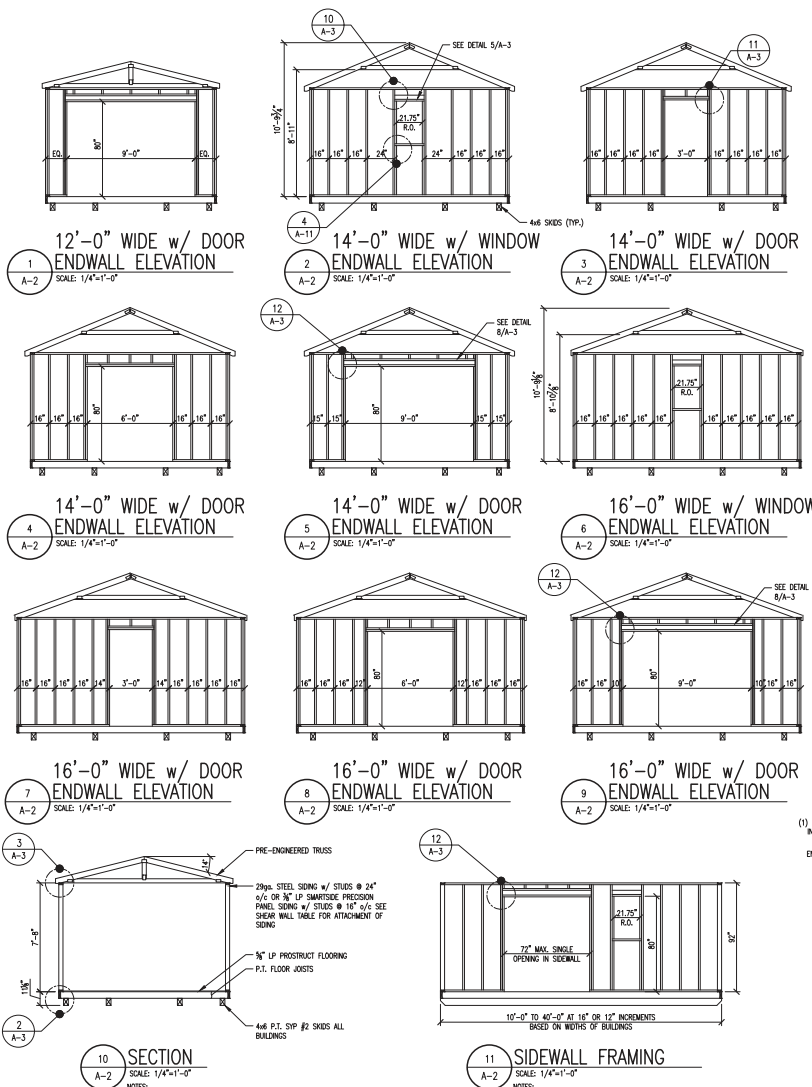
DON VAN GERVE, P.E.  
SPECIALTY STRUCTURAL ENGINEER

ALTERNATE DESIGN SOLUTIONS  
13000 W. STATE ROAD 100  
SOUTH FULTON, FL 32033  
PHONE: 215.355.4884  
WWW.ALTERNATEDESIGNSOLUTIONS.COM

ENGINEERING SERVICES PROVIDED FOR:  
PREMIER PORTABLE BUILDINGS  
317 EAST STATE LINE ROAD  
SOUTH FULTON, TN 38257  
WWW.PREMIERBUILDINGS.US

REVISION	DESCRIPTION	DATE	BY

DATE: 11.13.23  
PROJECT NO.: 20205  
DRAWING BY: JH  
CHK BY: DWG  
DWG NO.: A-1

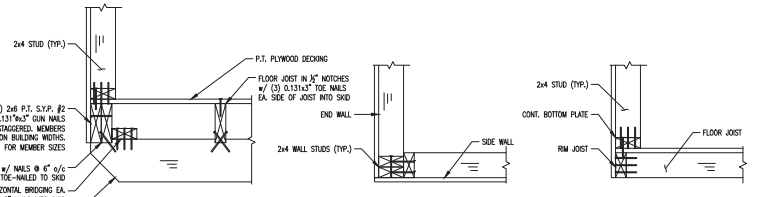


**NOTES:**  
 1. SEE NOTES ON SHEETS A-1 & A-2 FOR ANY INFORMATION NOT SHOWN.  
 2. SEE FASTENING SCHEDULE FOR ALL FASTENING NOT NOTED ON THIS SHEET.

**NOTES:**  
 MAX. OPENING MAY BE INCREASED TO 9'-0" WITH HEADER 8/A-11 PROVIDED THE BUILDING LENGTH IS OVER 16' IN LENGTH AND THE CRITERIA IN NOTE NUMBER 3 OF THE SHEARWALL CHART IS MET.

SHEARWALL CHART				
BUILDING WIDTH	OPENING WIDTHS IN ENDWALL	MAX. LENGTH OF BUILDING		
		19'-6" 732 T1-11 <sup>1</sup>	3/4" LP SMARTSIDE PANEL <sup>2</sup>	ALUMINUM OVER 3/16" OSB <sup>3</sup>
8'-0"	3'-0" MAX.	24'-0"	20'-0"	24'-0"
	6'-0"	30'-0"	16'-0"	30'-0"
10'-0"	3'-0" MAX.	30'-0"	30'-0"	30'-0"
	6'-0"	32'-0"	22'-0"	32'-0"
11'-2"	3'-0" MAX.	32'-0"	22'-0"	32'-0"
	6'-0"	20'-0"	8'-0"	18'-0"
12'-0"	3'-0" MAX.	36'-0"	36'-0"	36'-0"
	6'-0"	24'-0"	24'-0"	36'-0"
14'-0"	3'-0" MAX.	40'-0"	40'-0"	40'-0"
	6'-0"	28'-0"	12'-0"	24'-0"
16'-0"	3'-0" MAX.	40'-0"	40'-0"	40'-0"
	6'-0"	30'-0"	30'-0"	40'-0"

- <sup>1</sup> 732 T1-11 SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.
- <sup>2</sup> 3/4" LP SMARTPANEL SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.
- <sup>3</sup> LIMITATIONS ON THE TOTAL OPENING DIMENSIONS SHALL BE BASED ON THE SHEAR WALL HEIGHT TO WIDTH RATIO OF 3.5:1 AND SHALL NOT EXCEED (85) % OF TOTAL LENGTH OF BUILDING. HAULING IN SIDEWALL USE 8d NAILS COMMON OR DEFORMED AT 6" OTHERWISE WHEN TOTAL OPENING WIDTHS IN SIDE WALL ARE LESS THAN (50) % OF TOTAL LENGTH OF BUILDING.
- <sup>4</sup> 29ga. STEEL SIDING OVER 3/16" OSB FASTENED USING 8d COMMON OR DEFORMED NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.



- (2) 2x4 OR (1) 2x6 P.J., SYP, #2 RM JOIST w/ 0.131"x3" GUN NAILS @ 8" o/c STAGGERED MEMBERS SIZES BASED ON BUILDING WIDTHS. SEE 18 2/A-1 FOR MEMBER SIZES.
- (1) 2x FLOOR JOIST w/ NAILS @ 6" o/c INTO BRIDGING & TOE-NAILED TO SKID CONC. 2x4 HORIZONTAL BRIDGING EA. END w/ (50x) 0.131"x3" NAILS INTO SKID 4x6 P.T. SKID
- NOTES:**  
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AREA FOR APPROVAL STAMPS

OCALA FLORIDA SHOP  
 DBA FLORA-BAMA MFG  
 3082 NE 24TH STREET  
 Ocala FL 34470

PROJECT: UTILITY SHED

SECTIONS & DETAILS

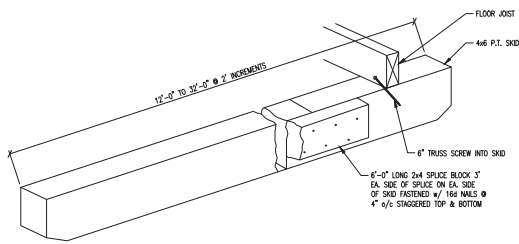
DON VAN GERVE, P.E.  
 SPECIALTY STRUCTURAL ENGINEER

ALTERNATE DESIGN SOLUTIONS  
 PHONE: 214.355.6884  
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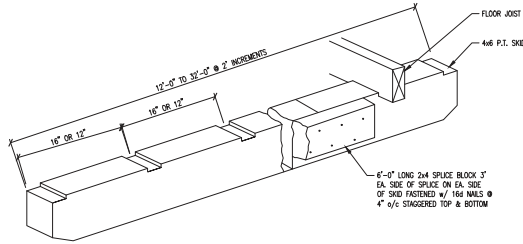
ENGINEERING SERVICES PROVIDED FOR:  
 PREMIER PORTABLE BUILDINGS  
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 SOUTH FULTON, TN 38257  
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REVISION	DESCRIPTION	DATE	BY

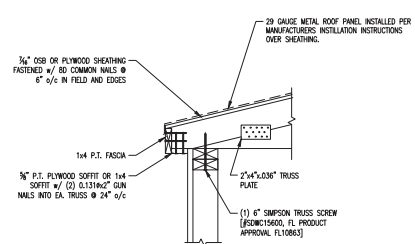
DATE: 11.13.23  
 PROJECT NO.: 20205  
 DRAWING BY: JH  
 CHK BY: DWG  
 DWG NO.: A-2



1  
A-3  
**OPTIONAL BLDG. SKID ISOMETRIC DETAIL**  
SCALE: N.T.S.

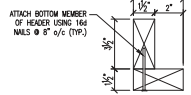


2  
A-3  
**BLDG. SKID ISOMETRIC DETAIL**  
SCALE: N.T.S.

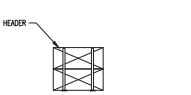


3  
A-3  
**TOP P CONNECTION DETAIL**  
SCALE: 1-1/2"=1'-0"

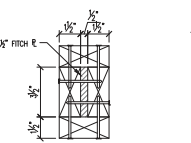
NOTES:  
1. SEE NOTES ON SHEETS A-1 AA-2 FOR ANY INFORMATION NOT SHOWN HERE.  
2. SEE FASTENING SCHEDULE FOR ALL FASTENING NOT NOTED ON THIS SHEET.



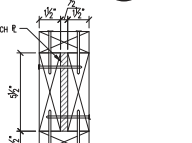
5  
A-3  
**WINDOW HEADER DETAIL**  
SCALE: 3"=1'-0"



6  
A-3  
**DOOR HEADER DETAIL**  
SCALE: 3"=1'-0"

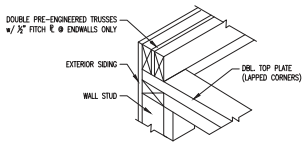


7  
A-3  
**DOOR HEADER DETAIL**  
SCALE: 3"=1'-0"

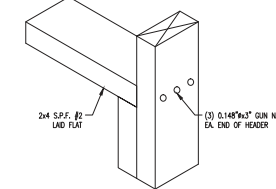


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A-3  
**DOOR HEADER DETAIL**  
SCALE: 3"=1'-0"

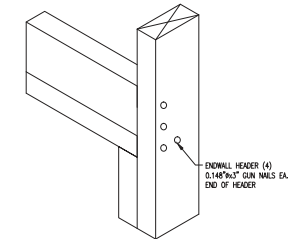
NOTE:  
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2. SEE FASTENING SCHEDULE FOR ALL FASTENING NOT NOTED ON THIS SHEET.



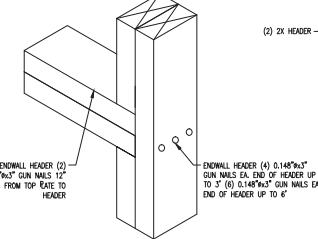
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A-3  
**DOUBLE TRUSS DETAIL**  
SCALE: 1-1/2"=1'-0"



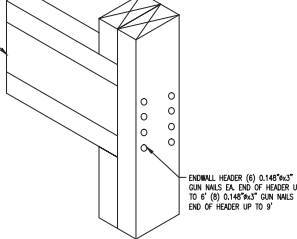
9  
A-3  
**WINDOW SILL DETAIL**  
SCALE: N.T.S.



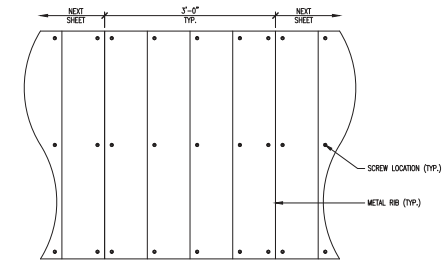
10  
A-3  
**WINDOW HEADER WITHOUT STRAP DETAIL**  
SCALE: N.T.S.



11  
A-3  
**ENDWALL HEADER DETAIL**  
SCALE: N.T.S.



12  
A-3  
**HEADER DETAIL**  
SCALE: N.T.S.



13  
A-3  
**METAL ROOFING SCREW PATTERN**  
SCALE: 1"=1'-0"

AREA FOR APPROVAL STAMPS



OCALA FLORIDA SHOP  
DBA FLORA-BAMA MFG  
3082 NE 24TH STREET  
OCALA FL 34470

PROJECT: UTILITY SHED

TYPICAL DETAILS

DON VAN GERVE, P.E.  
SPECIALTY STRUCTURAL ENGINEER  
978-943-6869

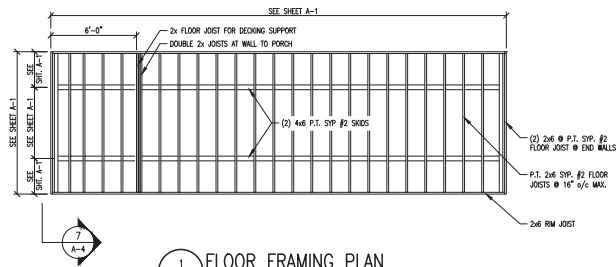


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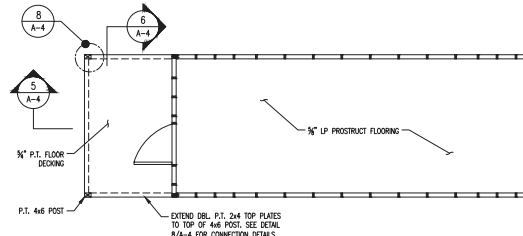
REVISION	DESCRIPTION	DATE	BY
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DATE: 11.13.23  
PROJECT NO.: 20205  
DRAWING BY: JH  
CHK BY: DWG

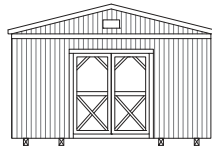
DWG NO.: A-3



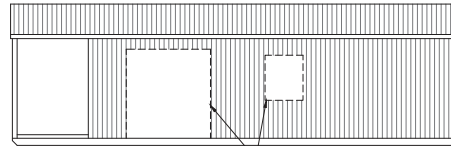
1 FLOOR FRAMING PLAN  
SCALE: 1/4"=1'-0" (DO NOT SCALE DRAWING)



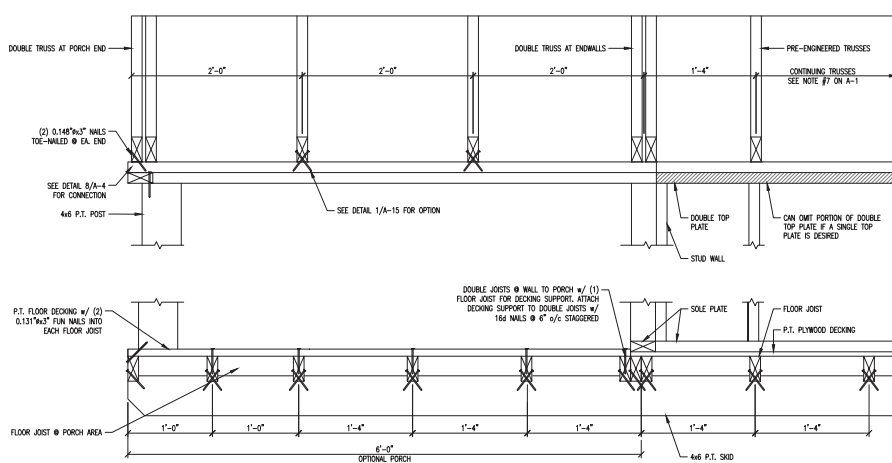
2 FLOOR FRAMING PLAN  
SCALE: 1/4"=1'-0" (DO NOT SCALE DRAWING)



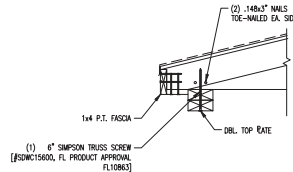
3 ENDWALL ELEVATION  
SCALE: 1/4"=1'-0"



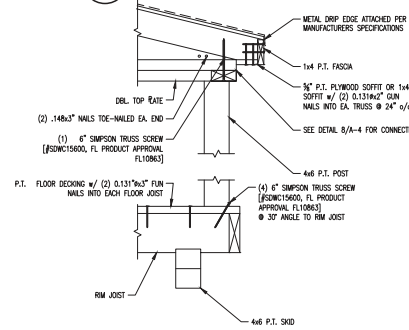
4 SIDEWALL ELEVATION  
SCALE: 1/4"=1'-0"



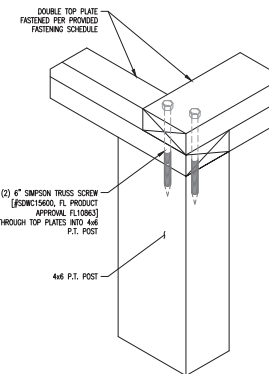
5 OPTIONAL PORCH SECTION DETAIL  
SCALE: 1-1/2"=1'-0"



6 PORCH TOP PLATE DETAIL  
SCALE: 1-1/2"=1'-0"



7 POST TO RIM JOIST DETAIL  
SCALE: 1-1/2"=1'-0"



8 OPTIONAL PORCH POST TO TOP PLATE DETAIL  
SCALE: N.T.S.

AREA FOR APPROVAL STAMPS



OCALA FLORIDA SHOP  
DBA FLORA-BAMA MFG  
3082 NE 24TH STREET  
OCALA FL 34470

PROJECT: UTILITY SHED

OPTIONAL PORCH PLANS, SECTIONS & DETAILS

DON VAN GERVE, P.E.  
SPECIALTY STRUCTURAL ENGINEER



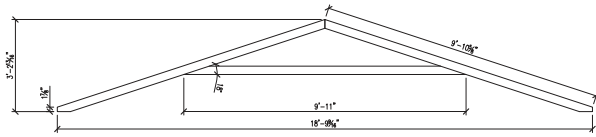
ENGINEERING SERVICES PROVIDED FOR:  
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REVISION	DESCRIPTION	DATE	BY

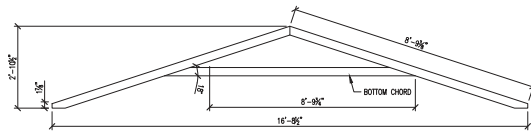
DATE: 11.13.23  
PROJECT NO.: 20205  
DRAWING BY: JH  
CHK BY: DWG

DWG NO.: A-4

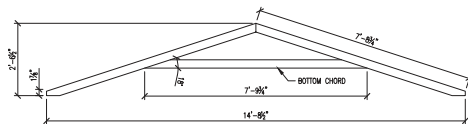




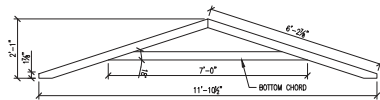
18' UTILITY TRUSS



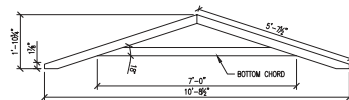
16' UTILITY TRUSS



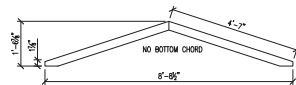
14' UTILITY TRUSS



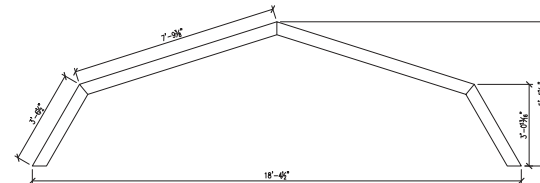
12' UTILITY TRUSS



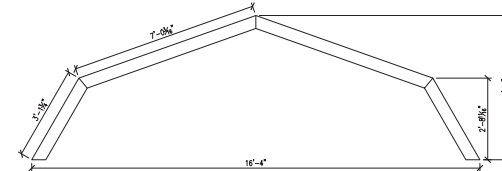
10' UTILITY TRUSS



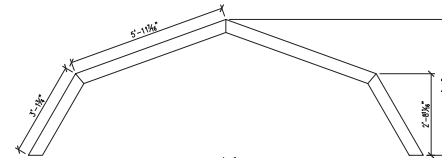
8' UTILITY TRUSS



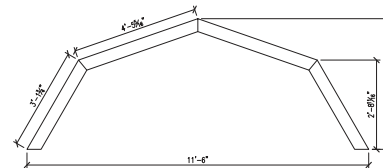
18' LOFTED TRUSS



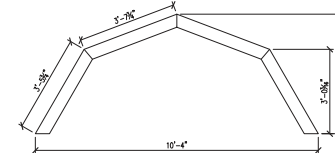
16' LOFTED TRUSS



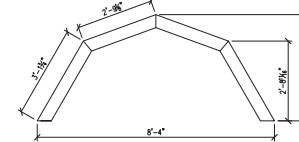
14' LOFTED TRUSS



12' LOFTED TRUSS



10' LOFTED TRUSS



8' LOFTED TRUSS

TRUSS DESIGN: LRFD max Wind ASCE 7-16  
figure 28.5-1 61.7 psf uplift ( 180 mph wind);

Utility: Lmax=5.25 ft. 2x4@24"; w=123.4 plf  
M=wL<sup>2</sup>/8x12=5102in-lb; S=3.06in<sup>3</sup>; fb=1667 psi  
Fb(LRFD)=3000psi - this value to be met by lumber.

Lofted: Lmax=7.76ft; 18' truss @ 16" o/c; w=82plf;  
M=7412in-k; fb=2422psi < 3000 psi LRFD.

Wall Calcs: 5/8" LP nailed 6 edges 10 interior, 2x4x7ft @ 16" o/c;  
Pressure=.85(.57 exp B)(.00256)(180<sup>2</sup>)=40psf.

add 18% interior gust factor = 48 psf ( LRFD ).  
i=18.74in<sup>4</sup> per 16"; S=6.03 in<sup>3</sup>.

convert to ASD with 0.6 factor:  
M=(48)(1.33)(.6)(7<sup>2</sup>)/8(12in/ft)=2815in-lbs;  
fb=467psi < 1000psi OK

AREA FOR APPROVAL STAMPS



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TRUSS DETAILS

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4			

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CHK BY: DWG

DWG NO.:

A-5

