COOK PORTABLE WAREHOUSES

100 DOUGLAS STREET
VALDOSTA, GA 31601

LOFTED BARN SHED

FOR THE
INTERNATIONAL BUILDING CODE

DESIGN CRITERIA

1.	WIND VELOCITY (V-ULT)	160 M.P.H.
2.	BUILDING 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	40 PSF
	FLOOR DESIGN DEAD LOAD	4 PSF
9.	ROOF DESIGN LIVE LOAD	20 PSF
	ROOF DESIGN DEAD LOAD	7 PSF
10.	WALL DESIGN DEAD LOAD	3 PSF
11.	CONSTRUCTION TYPE	V B
12.	BUILDING OCCUPANCY =	U
13.	FIRE RATING EXT. WALLS	0
14.	ALLOWABLE NUMBER OF FLOORS	1

15. THE CONTRACTOR/MANUFACTURER MUST COMPLY WITH THE FOLLOWING CODES AND ALL OF THERE AMENDMENTS/SUPPLEMENTS:

- INTERNATIONAL BUILDING CODE - 2012

SOUTH CAROLINA CODES	
-INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS	- 2012
MISSISSIPPI CODES	
-INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS	- 2012
LOUISIANA CODES	
-INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS	- 2012

MISSISSIPPI PLANT
132 CENTRAL INDUSTRIAL ROW
PERVIS, MISSISSIPPI 39475

TEXAS PLANT
1398 HWY 95 NORTH
BASTROP, TX 78602

GEORGIA PLANT
100 DOUGLAS STREET
VALDOSTA, GEORGIA 31601

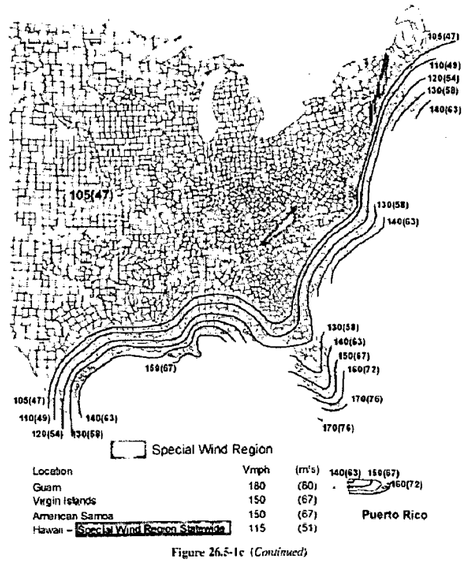

Figure 26.5-1c (*Continued*)

SHEET LIST

SHEET NUMBER	SHEET TITLE
C-1	COVER SHEET
C-2	WIND LOADING
C-3	NOTES
C-4	FASTENING SCHEDULE
C-5	FASTENING SCHEDULE
C-6	FASTENING SCHEDULE
A-1	FLOOR DECK & FRAMING PLANS
A-2	ROOF FRAMING PLANS
A-3	SHEAR WALL TABLE
A-4	EXTERIOR ELEVATIONS
A-5	FRAMING ELEVATIONS
A-6	FRAMING ELEVATIONS
A-7	FRAMING ELEVATIONS
A-8	FRAMING ELEVATIONS
A-9	SECTION & DETAIL
A-10	ROOF SECTIONS
A-11	DETAILS
A-12	DETAILS
A-13	DETAILS
A-14	DETAILS

THESE PLANS HAVE BEEN DESIGNED TO MEET THE STRUCTURAL REQUIREMENTS AS SET FORTH IN THE INTERNATIONAL RESIDENTIAL CODE FOR A CATEGORY II BUILDING IN AN AREA OF EXPOSURE C. THE CURRENT DESIGN FOR THE ULTIMATE WIND SPEED AS REQUIRED IN THE IRC FOR THE STATE OF TEXAS COASTAL BUILDINGS SHALL NOT BE LESS THAN 150 MPH.

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING FOR A 3 SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637 MS# 19034 KS# 21198
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WV# 071936 TX# 104353 MD# 40905
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COOK PORTABLE WAREHOUSES
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PHONE: 1-229-241-8805

COVER SHEET

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
6/27/2012

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
C-1
1 OF 20

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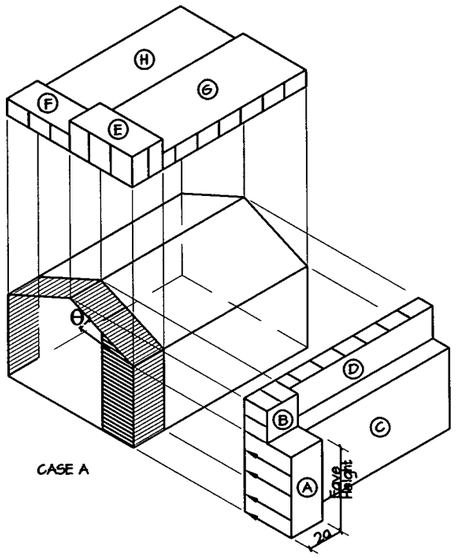
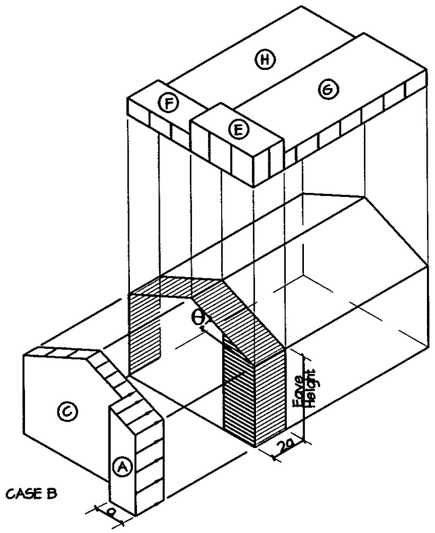
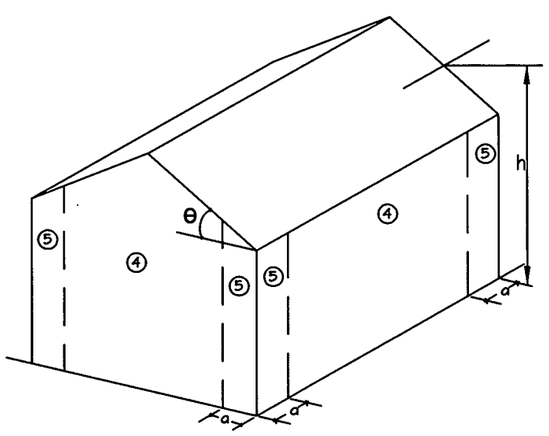


CASE A

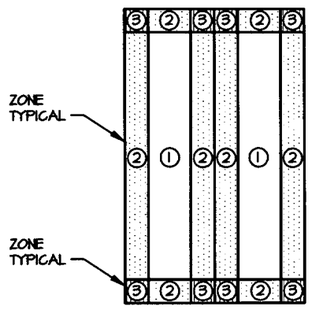


CASE B

WIND LOAD MAIN WIND FORCE PRESSURE DIAGRAMS



WIND LOAD COMPONENT AND CLADDING WALL PRESSURE DIAGRAM



WIND LOAD COMPONENT AND CLADDING ROOF PRESSURE DIAGRAM

BUILDING DATA **ASCE 7-10 WIND**

WIND VELOCITY (Basic Wind Speed, 3 second gust)	160 mph	INTERNAL PRESSURE COEFFICIENT: (Enclosed Building ASCE 7-10)	± 0.18
BUILDING CATEGORY (Table 1.5-1 ASCE 7-10)	I	HEIGHT & EXPOSURE ADJUSTMENT COEFFICIE	1.21
		ROOF DEAD LOAD RESISTING UPLIFT (psf)	7
ROOF ANGLE, θ (degrees)	7-27 degrees		
WIND EXPOSURE CATEGORY	C		

DESIGN WIND LOADS - WINDOWS, DOORS, COMPONENTS AND CLADDING

ROOF					WALLS				
ZONE	AREA (ft²)	DESIGN PRESSURE (psf)			ZONE	AREA (ft²)	DESIGN PRESSURE (psf)		
		Positive	Negative	Net Uplift			Positive	Negative	
1	10	32.1	-50.9	-43.9	4	10	55.8	-60.5	
1	20	29.3	-49.6	-42.6	4	20	53.2	-58.0	
1	50	25.5	-47.7	-40.7	4	50	49.6	-54.6	
1	100	22.6	-46.2	-39.2	4	100	47.4	-52.2	
2	10	32.1	-88.8	-81.8	4	500	41.5	-46.2	
2	20	29.3	-81.7	-74.7	5	10	55.8	-74.7	
2	50	25.5	-72.2	-65.2	5	20	53.2	-69.6	
2	100	22.6	-65.2	-58.2	5	50	49.9	-62.9	
3	10	32.1	-131.3	-124.3	5	100	47.4	-58.0	
3	20	29.3	-122.7	-115.7	5	500	41.5	-46.2	
3	50	25.5	-111.4	-104.4					
3	100	22.6	-103.0	-96.0					

Notes:
1. For effective areas between those given above the load may be interpolated, otherwise use the load associated with the lower effective area.
2. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
3. Pressures shown are applied normal to the surface
4. Refer to pressure zone diagrams provided for corresponding zones.
5. Roof framing members shall be designed to resist the net uplift design pressures specified.
6. Roof coverings, finishes, etc. shall be designed for the full negative design pressure.
7. Design pressures shown shall be multiplied by its appropriate load case factor from article 2.4.1 of ASCE 7-10 when performing stress design on structural elements of building.

DESIGN WIND LOADS -MWFRS METHOD 2 ENCLOSED BUILDINGS H ≤ 60'

BASIC WIND SPEED (mph)	ROOF ANGLE (DEGREES)	LOAD CASE	ZONES							
			HORIZONTAL PRESSURES				VERTICAL PRESSURES			
			A	B	C	D	E	F	G	H
160	0-5	1	49.1	-25.5	32.5	-15.1	-59.0	-33.5	-41.1	-26.0
	10	1	55.4	-23.0	36.8	-13.4	-59.0	-36.1	-41.1	-27.7
	15	1	61.7	-20.4	41.1	-11.6	-59.0	-38.6	-41.1	-29.4
	20	1	68.0	-17.9	45.4	-9.9	-59.0	-41.1	-41.1	-31.2
	25	1	61.6	9.9	44.6	10.2	-27.3	-37.3	-19.8	-30.0
	25	2	0.0	0.0	0.0	0.0	-10.4	-20.3	-2.8	-12.9
	30 to 45	1	55.3	37.8	43.9	30.3	4.2	-33.5	1.5	-28.8
	30 to 45	2	55.3	37.8	43.9	30.3	21.3	-16.6	18.4	-11.9

Notes:
1. For effective areas between those given above the load may be interpolated, otherwise use the load associated with the lower effective area.
2. The load patterns shown shall be applied to each corner of the building in turn as the reference corner. (See Figure 28.4-1)
3. For the design of the Case B MWFRS use θ = 0º.
4. Plus and minus signs signify pressures acting toward and away from the projected surfaces, rspectively.
5. Where zone E or G falls on a roof overhang on the windward side of the building, use E_{OH} and G_{OH} for the pressure on the horizontal projection of the overhang. Overhangs on the leeward and side edges shall have the basic zone pressure applied.

AREA FOR APPROVAL STAMPS

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19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

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WIND LOADING

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 27592 THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
C-2
2 OF 20

This drawing is the property of Dixon Engineering, Inc. Unless otherwise provided for by contract, or other written means, the contents of this drawing are confidential and shall not be transmitted to any other party except as agreed by Dixon Engineering, Inc. Copyright.

GENERAL NOTES

THIS STRUCTURE WAS DESIGNED IN IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING (I.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 AT 2' O.C. BUT MEMBER SPACING SHALL NOT EXCEED LIMITS AS INDICATED.
ALL THE FOLLOWING LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA USE CATEGORY UC4B (GROUND CONTACT, HEAVY DUTY): SKIDS
ALL THE FOLLOWING LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA USE CATEGORY UC3B (EXTERIOR ABOVE GROUND, UNCOATED OR POOR WATER RUNOFF): FLOOR JOISTS, PLYWOOD FLOOR DECKING, AND EXTERIOR RATED WOOD STRUCTURAL PANEL SIDING.
ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED (G185) 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 1507.2.8 OF THE 2012 I.B.C.
UNDERLAYMENT SHALL CONFORM WITH SECTION 1507.2.3 OF THE 2012 I.B.C.
ASPHALT SHINGLES SHALL CONFORM WITH SECTION 1507.2.5 OF THE 2012 I.B.C. ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH 1507.2.7 OF THE 2012 I.B.C.
FASTENERS FOR ASPHALT SHINGLES SHALL CONFORM TO SECTION 1507.2.6 OF THE 2012 I.B.C.
TIE-DOWNS SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES.
THESE PLANS HAVE NOT BEEN DESIGNED FOR HVHZ REQUIREMENTS AS SET FORTH IN THE 2012 I.B.C. OR FOR USE AS A COMMERCIAL BUILDING.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY AND PLACEMENT OF LAWN STORAGE UNIT TO INSURE THE INTEGRITY OF THE BUILDING AND ITS COMPONENT PARTS.
NO FIELD REVISIONS TO ANY STRUCTURAL COMPONENTS OR DEVIATIONS 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 ERRORS 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 SPECIFICALLY REFERENCED.
REFER TO SUPPLIED FASTENING SCHEDULE FOR FASTENING BASED ON CONNECTION AND LOCATION OF MEMBERS AS PER 2012 INTERNATIONAL BUILDING CODE TABLE 2304.9.1 UNLESS NOTED OTHERWISE.
BUILDINGS HAVE BEEN DESIGNED FOR LP SMARTSIDE PRECISION PANEL SIDING, LP SMARTSIDE PRECISION LAP SIDING SHALL NOT BE USED.
FASTENERS IN LP SMARTSIDE PRECISION PANEL SIDING MUST NOT BE INSTALLED IN PANEL SIDING GROOVES IN THE FIELD OF THE PANEL SIDING OR WHEN THE PANEL SIDING GROOVES OCCUR AT CUT EDGES OF THE PANEL SIDING.
REFER TO THE ICC-ES EVALUATION REPORT ESR-1301 FOR ADDITIONAL DATA AND SPECIFICATIONS OF LP SMARTSIDE PRECISION PANEL SIDING.
MAX OPENINGS WIDTHS MUST COMPLY WITH DESIGN RATIOS AS PER ANSI/AF&PA SDPWS-2008. BUILDINGS HAVE BEEN DESIGNED TO HAVE ONLY OPENINGS WITH MAX WIDTHS IN ENDWALL EQUAL TO THOSE IN THE ENDWALL SHEAR WALL CHART.
AS PER SECTION 553.77(10)(h), INTERNATIONAL STATUTES, STORAGE SHEDS 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-BORNE-DEBRIS-IMPACT STANDARDS OF THE INTERNATIONAL 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 DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
BUILDINGS 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.

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.

1. THE COMPLETE FOUNDATION SUPPORT AND TIE-DOWN SYSTEM.
2. RAMPS, STAIRS, AND GENERAL ACCESS TO THE BUILDING IF NECESSARY.
3. GUTTERS AND DOWN SPOUTS ON ALL BUILDINGS WITH EAVES OF LESS THAN 6 INCHES HORIZONTAL PROJECTION EXCEPT FOR GABLE END RAKES.

OCCUPANCY NOTE:

THIS BUILDING IS NOT DESIGNED FOR HUMAN HABITATION AND DOES NOT HAVE RUNNING WATER OR SANITATION SERVICES. THIS BUILDING IS DESIGNED AS A UTILITY SHED TO STORE LAWN EQUIPMENT SUCH AS WHEEL BARROWS, GARDENING SUPPLIES, FLOWER POTS, AND CARDBOARD BOXES WITH VARIOUS SMALL ITEMS.

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
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IN
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THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION
1	CB	3/22/12	CHANGE NOTE REFERENCE

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING FOR A THREE SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637 MS# 19034 KS# 21198
SC# 27592 NC# 035985 GA# 034371
WV# 071936 TX# 104353 MD# 40905
PA# 079009 VA# 045593
TN# 112761 FL# 34222

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LOFTED BARN SHED
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NOTES

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
C-3
3 OF 20

FASTENING SCHEDULE

CONNECTION	FASTENING[a, k]	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 1/2" x 0.131") 2 - 3" x 0.131" NAILS 2 - 3" 14 GAGE STAPLES	TOENAIL EACH END
3. SOLE PLATE TO JOIST OR BLOCKING	16d (3 1/2" x 0.135") AT 16" O.C. 3" x 0.131" NAILS AT 8" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	TYPICAL FACE NAIL
4. SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16d (3 1/2" x 0.135") AT 16" O.C. 4 - 3" x 0.131" NAILS AT 8" O.C. 4 - 3" 14 GAGE STAPLES AT 12" O.C.	BRACED WALL PANELS
5. TOP PLATE TO STUD	2 - 16d (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
6. STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2" x 0.131") 4 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
7. DOUBLE STUDS	16d (3 1/2" x 0.135") AT 24" O.C. 3" x 0.131" NAILS AT 8" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	FACE NAIL
8. DOUBLE TO PLATES	16d (3 1/2" x 0.135") AT 16" O.C. 3" x 0.131" NAILS AT 12" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	TYPICAL FACE NAIL
	8 - 16d COMMON (3 1/2" x 0.162") 12 - 3" x 0.131" NAILS 12 - 3" 14 GAGE STAPLES	LAP SPLICE
9. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
10. RIM JOIST TO TOP PLATE	8d (2 1/2" x 0.131") AT 6" O.C. 3" x 0.131" NAILS AT 6" O.C. 3" 14 GAGE STAPLES AT 6" O.C.	TOENAIL
11. TOP PLATES, LAPS AND INTERSECTIONS	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
12. CONTINUOS HEADER (2) PIECES	16d COMMON (3 1/2" x 0.162")	16" O.C. ALONG EDGE

(CONTINUED)

AREA FOR APPROVAL STAMPS

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REV	BY	DATE	DESCRIPTION

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FASTENING SCHEDULE

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
STATE OF FLORIDA

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
C-4
4 OF 20

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FASTENING SCHEDULE

CONNECTION	FASTENING[a, k]	LOCATION
13. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 1/2" x 0.131") 5 - 3" x 0.131" NAILS 5 - 3" 14 GAGE STAPLES	TOENAIL
14. CONTINOUS HEADER TO STUD	4 - 8d COMMON (2 1/2" x 0.131")	TOENAIL
15. RAFTER TO PLATE	3 - 8d COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
16. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 1/2" x 0.131") 2 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
17. BUILT-UP CORNER STUDS	16d (3 1/2" x 0.135") 3" x 0.131" NAILS 3" 14 GAGE STAPLES	24" O.C. 16" O.C. 16" O.C.
18A. BUILT-UP GIRDER AND BEAMS	20d COMMON (4" x 0.192" 32") O.C. 3" x 0.131" NAIL AT 24" O.C. 3" 14 GAGE STAPLE AT 24" O.C. 2 - 20d COMMON (4" x 0.192") 3 - 3" x 0.131" NAIL 3 - 3" 14 GAGE STAPLE	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLICE
19. COLLAR TIE TO RAFTER	3 - 10d COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
20. ROOF RAFTER TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL OR FACE NAIL
21. JOIST TO BAND JOIST	3 - 16d COMMON (3 1/2" x 0.162") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL

(CONTINUED)

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING FOR A 3 SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637 MS# 19034 KS# 21198
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COOK PORTABLE WAREHOUSES
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FASTENING SCHEDULE (CONT.)

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
2/23/12

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
C-5
5 OF 20

FASTENING SCHEDULE

CONNECTION	FASTENING[a, k]		LOCATION
22. WOOD STRUCTURAL PANELS AND PARTICLEBOARD[b] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS	6d[c, j] 2 3/8" x 0.113" NAIL[l] 1 3/4" 16 GAGE[m]	
	15/32" TO 19/32"	8d COMMON (ROOFS IN 110-140 V_{asd} MPH EXP "B")	
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	19/32" TO 3/4"	8d[d] OR 6d[e] 2 3/8" x 0.113" NAIL[n] 2" 16 GAGE[n]	6 INCH O.C. EDGES AND INTERMEDIATE, 4" O.C. AT COMPONENT AND CLADDING EDGE STRIP # ZONE 3 [REFER TO FIGURE 30.5-1 OF ASCE 7]
	7/8" TO 1"	8d[c]	
	1 1/8" TO 1 1/4"	10d[d] OR 8d[e]	
	3/4" AND LESS	6d[e]	
	7/8" TO 1"	8d[e]	
	1 1/8" TO 1 1/4"	10d[d] OR 8d[e]	
23. PANEL SIDING (TO FRAMING)	1/2" OR LESS 5/8"	6d[f] 8d[f]	
24. FIBERBOARD SHEATHING[g]	1/2"	NO. 11 GAGE ROOFING NAIL[h] 6d COMMON NAIL (2" x 0.113") NO 16 GAGE STAPLE[i]	
	25/32"	NO. 11 GAGE ROOFING NAIL[h] 8d COMMON NAIL (2 1/2" x 0.131") NO 16 GAGE STAPLE[i]	

COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
NAILS SPACED AT 6" O.C. AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS AR 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305 I.B.C.. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
COMMON OR DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d 3" x 0.148").
COMMON (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d 3" x 0.148").
DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d 3" x 0.148").
CORROSION-RESISTANT SIDING (6d - 1 7/8" x 0.106"; 8d 2 3/8" x 0.128") OR CASING (6d2" x 0.099"; 8d 2 1/2" x 0.113") NAIL.
FASTENERS SPACED 3" O.C. AT EXTERIOR EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6" O.C. ON THE EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS.
CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/3" SHEATHING.
CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN OR 1" CROWN AND 1 1/4" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IS THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).
FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".
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

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FASTENING SCHEDULE (CONT.)

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
6/25/2012

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
C-6
6 OF 20

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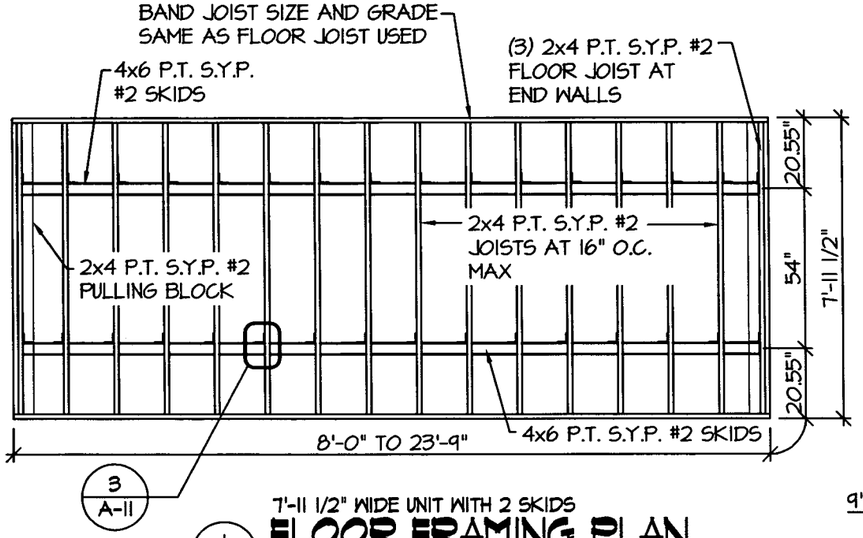
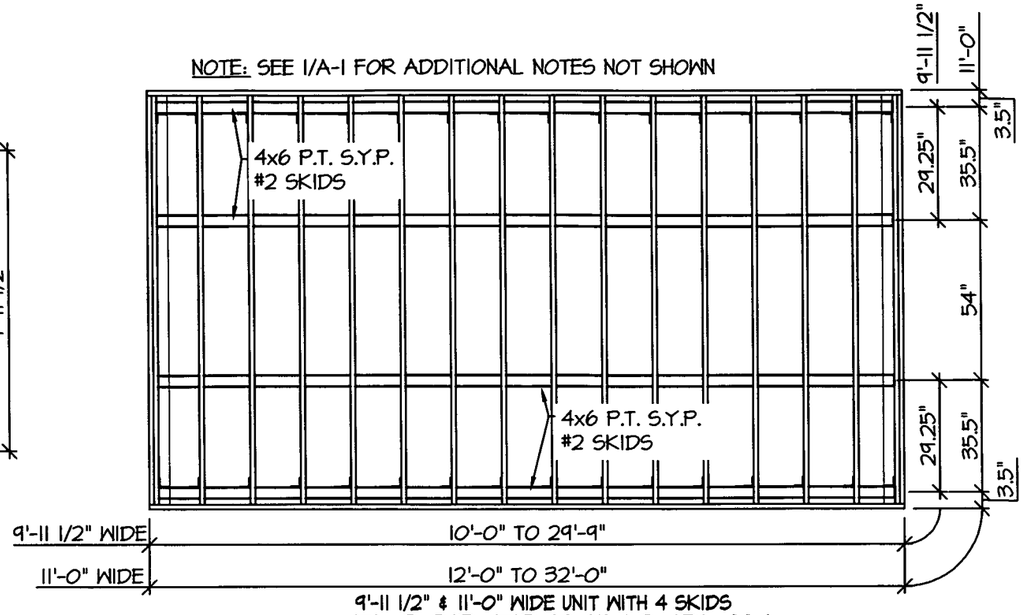


7'-11 1/2" WIDE UNIT WITH 2 SKIDS

1 A-1 FLOOR FRAMING PLAN

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

NOTE: SEE 1/A-1 FOR ADDITIONAL NOTES NOT SHOWN

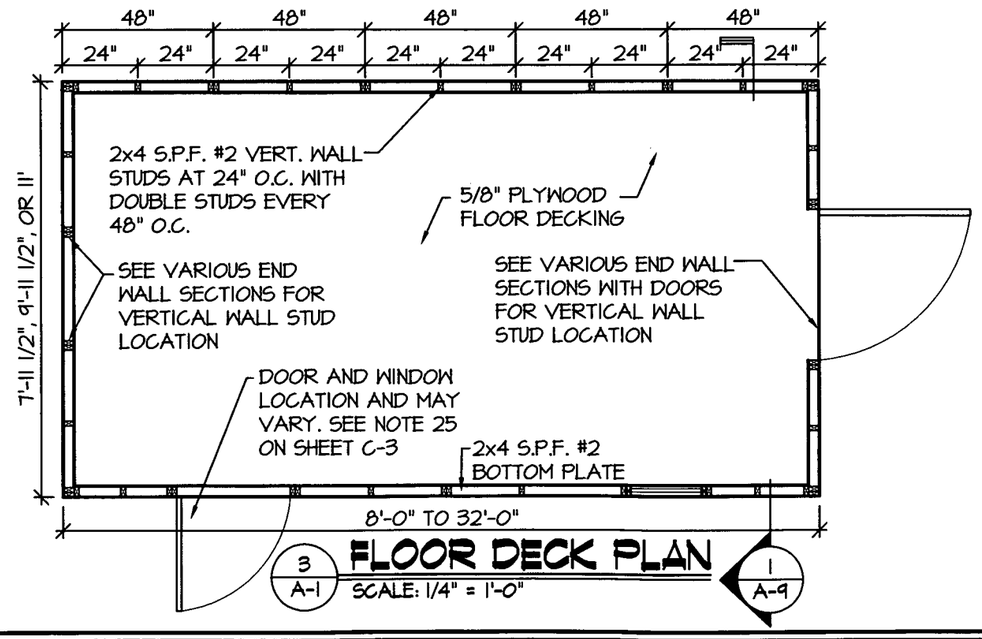


9'-11 1/2" & 11'-0" WIDE UNIT WITH 4 SKIDS

2 A-1 FLOOR FRAMING PLAN

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

EXAMPLE DRAWINGS ARE OF A 20' LENGTH UNIT



FLOOR DECK PLAN

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

AREA FOR APPROVAL STAMPS

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FLOOR DECK AND FRAMING PLANS

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
6/21/12

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-1
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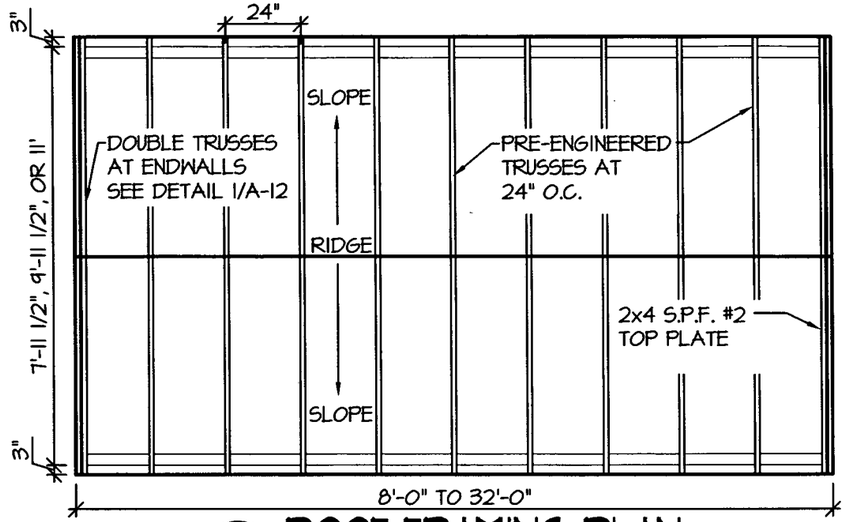
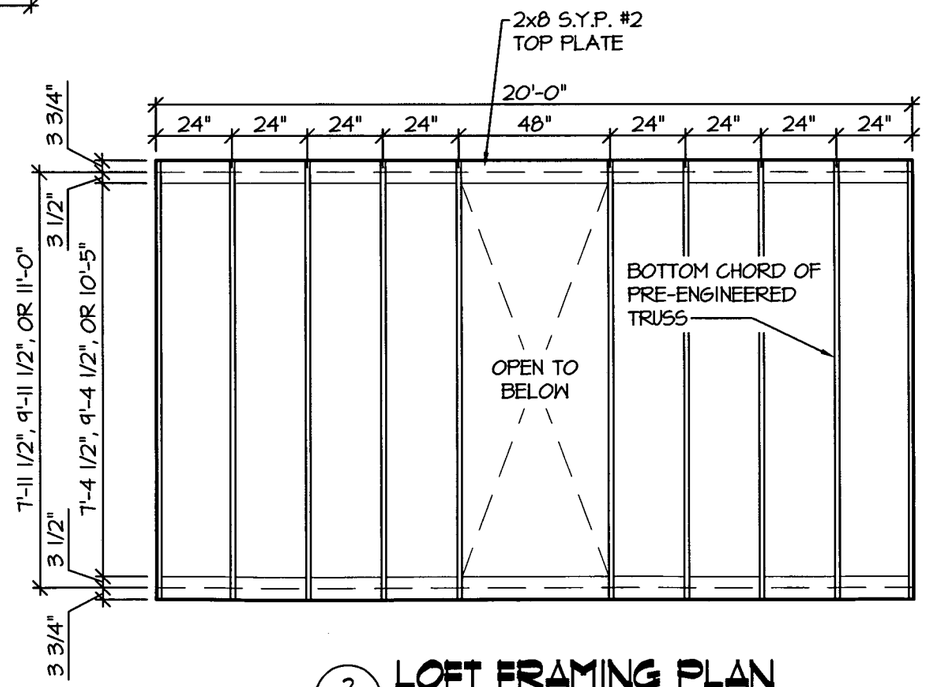


1 / A-2 **ROOF FRAMING PLAN**

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



2 / A-2 **LOFT FRAMING PLAN**

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

AREA FOR APPROVAL STAMPS

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ROOF FRAMING PLANS

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
6-20-12

DATE:	2/23/12
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SHEET
A-2
8 OF 20

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SHEARWALL CHART

BUILDING WIDTH	OPENING WIDTHS IN ENDWALL	MAX LENGTH OF BUILDING			
		19/32" T1-11[1]	19/32" PANEL[1,3] OUTSIDE WITH 7/16" OSB[2] ON INTERIOR OF WALL	19/32" LP SMARTPANEL[3]	19/32" LP SMART-PANEL[4]
7'-11 1/2"	NONE	23'-10"	23'-10"	23'-10"	23'-10"
	3'-0" MAX	23'-10"		23'-10"	23'-10"
	4'-0"	23'-10"		21'-11"	23'-10"
9'-11 1/2"	NONE	29'-10"	29'-10"	29'-10"	29'-10"
	3'-0" MAX	29'-10"		29'-10"	29'-10"
	4'-0"	29'-10"		29'-10"	29'-10"
	6'-0"	29'-10"		21'-11"	27'-10"
	7'-0"	25'-9"		16'-4"	20'-10"
11'-0"	NONE	32'-0"	32'-0"	32'-0"	32'-0"
	4'-0" MAX	32'-0"		32'-0"	32'-0"
	6'-0"	32'-0"		27'-9"	32'-0"
	7'-0"	32'-0"		22'-3"	28'-3"

SHEARWALL TABLE
1 / A-3
SCALE: N.T.S.

NOTES:
1. 19/32" T1-11 SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS AT 6" O.C. IN FIELD AND 3" O.C. ALONG ALL PANEL EDGES.
2. 7/16" OSB SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS AT 6" O.C. IN FIELD AND 4" O.C. ALONG ALL PANEL EDGES.
3. 19/32" LP SMARTPANEL SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS AT 6" O.C IN FIELD AND 3" O.C. ALONG ALL PANEL EDGES.
4. 19/32" LP SMARTPANEL SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS AT 6" O.C IN FIELD AND 2" O.C. ALONG ALL PANEL EDGES
5. WINDOWS AND DOORS MAY BE LOCATED IN EITHER THE SIDE WALL OR ENDWALL. DOORS ARE PERMITTED TO BE IN BOTH ENDWALLS OR ENDWALL AND SIDE WALL IF REQUESTED BY CUSTOMER. LIMITATIONS ON THE TOTAL OPENING DIMENSIONS IN SIDEWALLS SHALL BE BASED ON A MAXIMUM TOTAL OPENING WIDTHS OF (2/3) OF TOTAL LENGTH OF BUILDING.

AREA FOR APPROVAL STAMPS

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REV	BY	DATE	DESCRIPTION
1	CB	3/22/12	CHANGE NOTE DETAILS

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SHEAR WALL TABLE

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-3
9 OF 20

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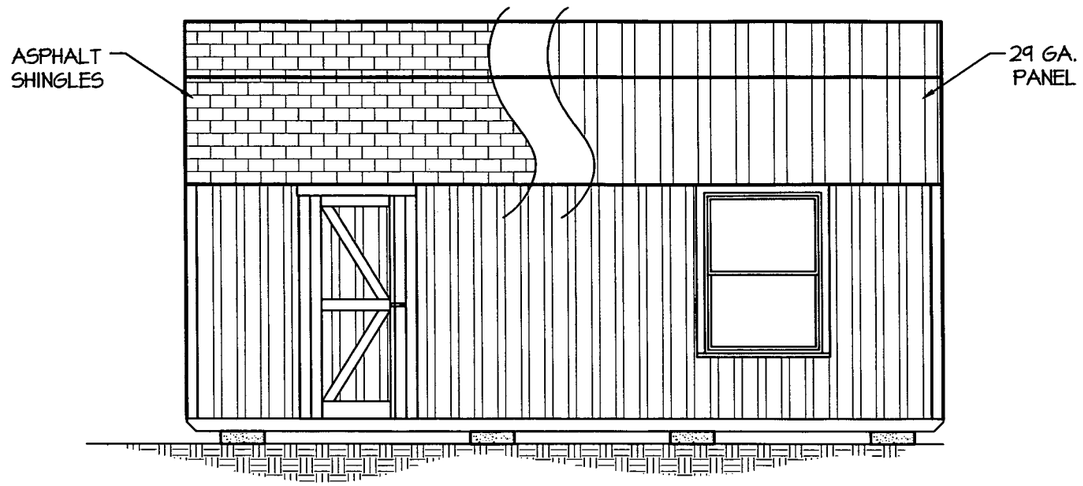
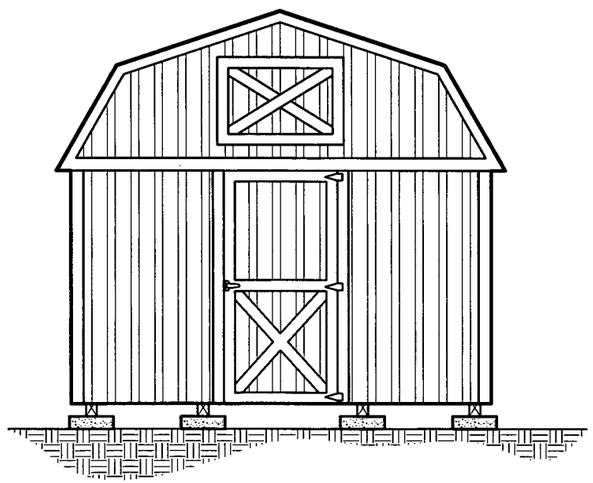


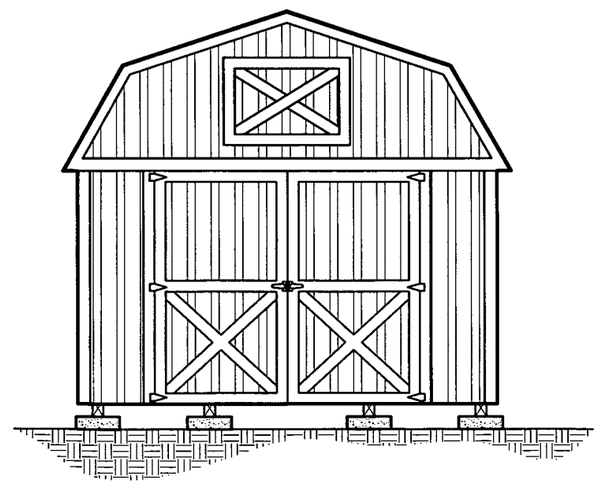
1 / A-4 LOFTED BARN SIDE ELEVATION
SCALE: 1/4" = 1'-0"

EXAMPLE DRAWING IS OF A 20' LENGTH UNIT



EXAMPLE DRAWING IS OF A 11' WIDE UNIT W/ 3'-0" DOOR

2 / A-4 LOFTED BARN ENDWALL ELEVATION
SCALE: 1/4" = 1'-0"



EXAMPLE DRAWING IS OF A 11' WIDE UNIT W/ 7'-0" DOOR

AREA FOR APPROVAL STAMPS

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EXTERIOR ELEVATIONS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 27592 THOMAS A. DIXON 6/25/12

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-4
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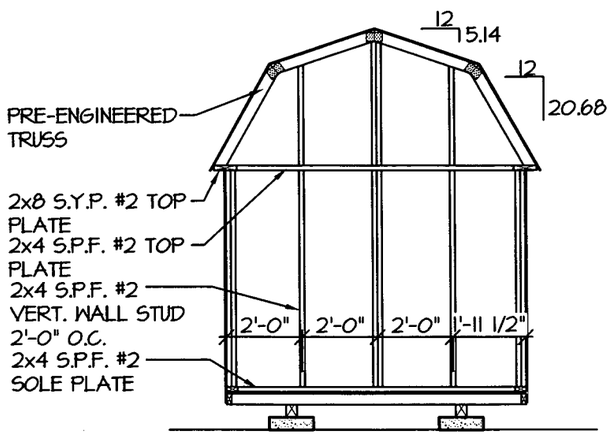
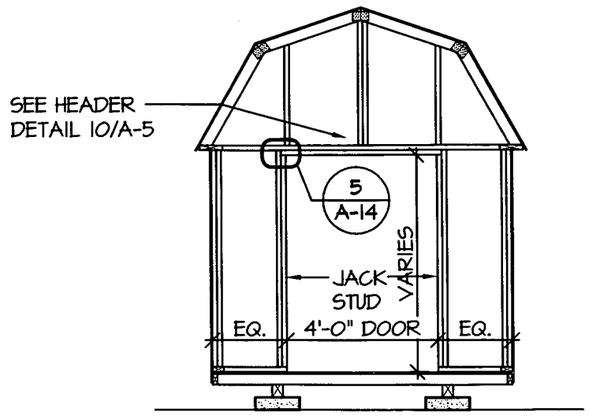


7'-11 1/2" SHED ENDWALL WITH NO OPENING

1 / A-5 **FRAMING ELEVATION**

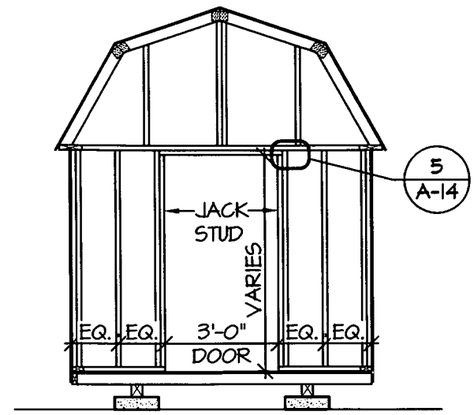
SCALE: 1/4" = 1'-0"



7'-11 1/2" SHED ENDWALL WITH 4' DOOR OPENING

2 / A-5 **FRAMING ELEVATION**

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



7'-11 1/2" SHED ENDWALL WITH 3' DOOR OPENING

3 / A-5 **FRAMING ELEVATION**

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

NOTE:

1. FOR ALL NOTES NOT SHOWN SEE SHEET A-1 - A-4

AREA FOR APPROVAL STAMPS

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FRAMING ELEVATIONS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
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THOMAS A. DIXON
6/27/12

DATE:	2/23/12
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A-5
11 OF 20

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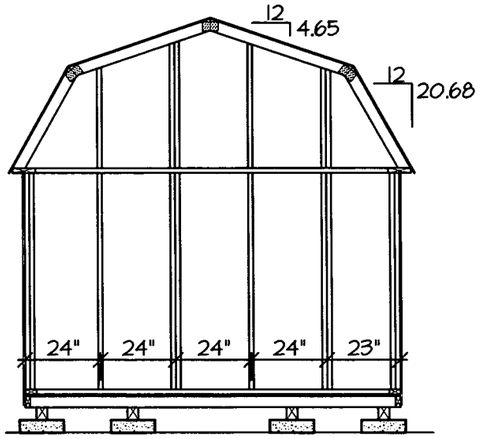
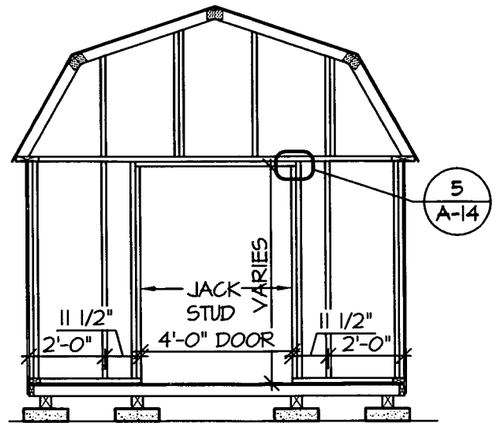


9'-11 1/2" SHED ENDWALL
WITH NO OPENING

1 / A-6 FRAMING ELEVATION

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



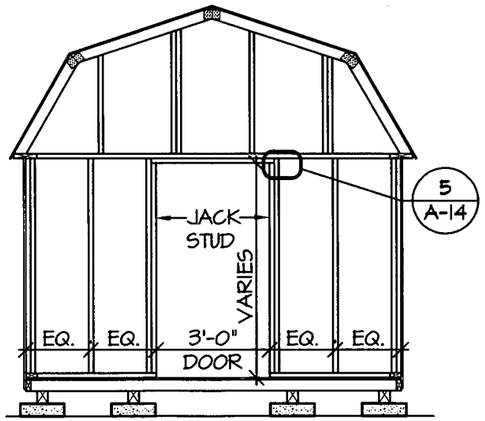
9'-11 1/2" SHED ENDWALL
WITH 4' DOOR OPENING

2 / A-6 FRAMING ELEVATION

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

NOTE:

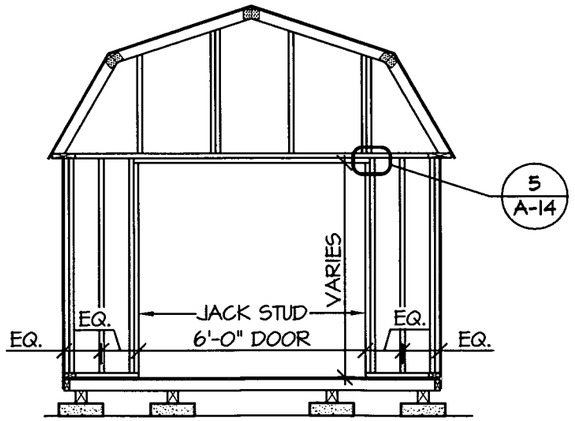
1. FOR ALL NOTES NOT SHOWN SEE SHEET A-1 - A-5



9'-11 1/2" SHED ENDWALL
WITH 3' DOOR OPENING

3 / A-6 FRAMING ELEVATION

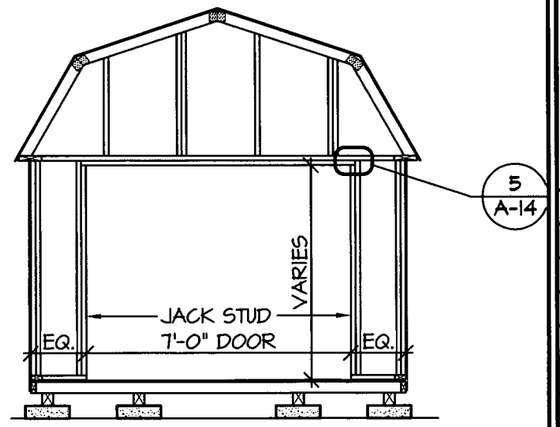
SCALE: 1/4" = 1'-0"



9'-11 1/2" SHED ENDWALL
WITH 4' DOOR OPENING

4 / A-6 FRAMING ELEVATION

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



9'-11 1/2" SHED ENDWALL
WITH 7' DOOR OPENING

5 / A-6 FRAMING ELEVATION

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

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING FOR A 3 SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637 MS# 19034 KS# 21198
SC# 27592 NC# 035985 GA# 034371
WV# 071936 TX# 104353 MD# 40905
PA# 079009 VA# 045543
TN# 112761 FL# 34222

DIXON ENGINEERIN, INC.
STRUCTURAL ENGINEERING AND INSPECTION - COA 8145
10410 MAIN STREET
THONOTOSASSA, FL 33592
VOICE: 813-982-9885 FAX: 813-982-2306

COOK PORTABLE WAREHOUSES
LOFTED BARN SHED
100 DOUGLAS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

FRAMING ELEVATIONS

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 27592
6/27/12
THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-6
12 OF 20

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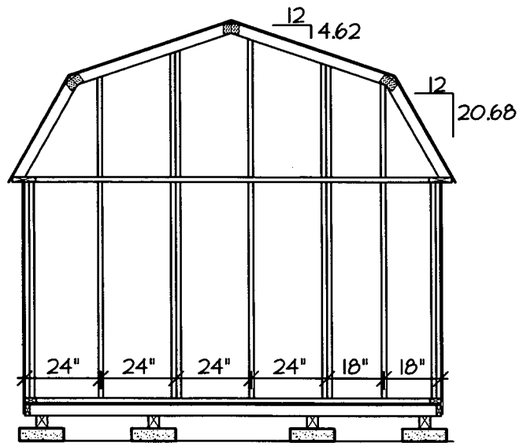
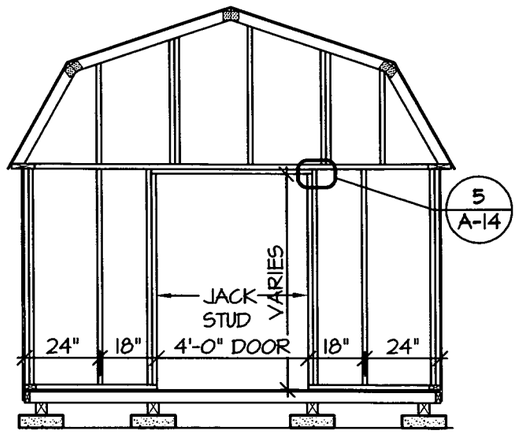


11'-0" SHED ENDWALL
WITH NO OPENING

1 / A-7 FRAMING ELEVATION

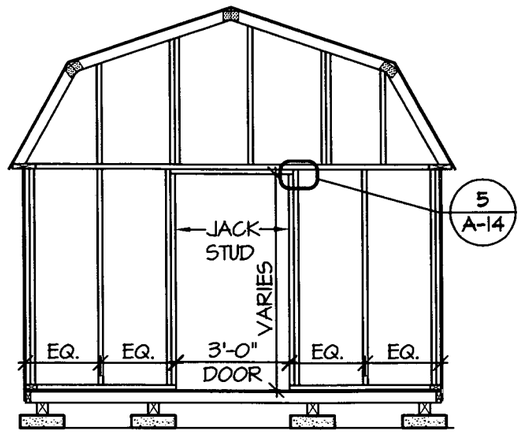
SCALE: 1/4" = 1'-0"



11'-0" SHED ENDWALL
WITH 4' DOOR OPENING

2 / A-7 FRAMING ELEVATION

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

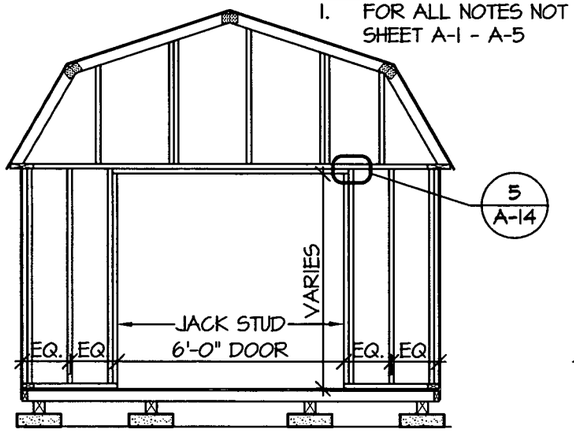


11'-0" SHED ENDWALL
WITH 3' DOOR OPENING

3 / A-7 FRAMING ELEVATION

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

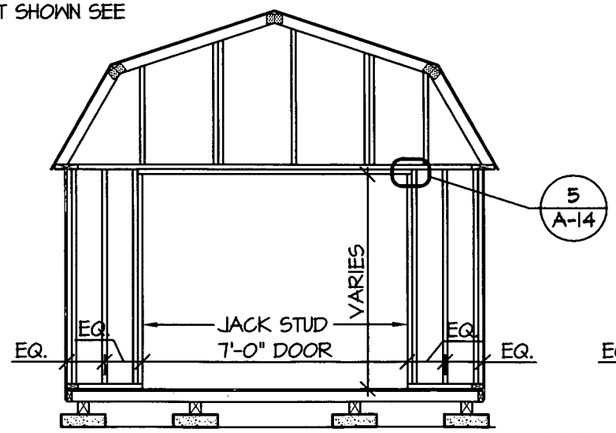
NOTE:
1. FOR ALL NOTES NOT SHOWN SEE SHEET A-1 - A-5



11'-0" SHED ENDWALL
WITH 4' DOOR OPENING

4 / A-7 FRAMING ELEVATION

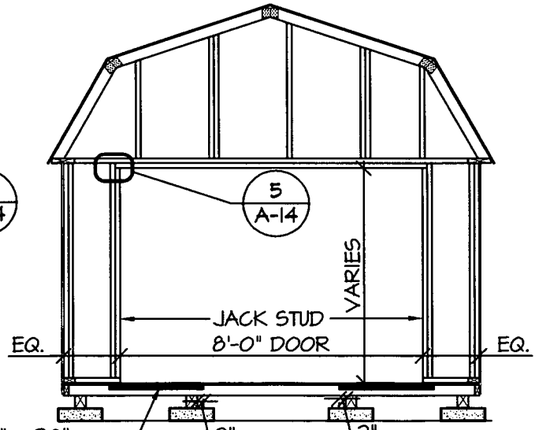
SCALE: 1/4" = 1'-0"



11'-0" SHED ENDWALL
WITH 7' DOOR OPENING

5 / A-7 FRAMING ELEVATION

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



1/8" x 1 1/2" x 30" STEEL PLATE. SEE DETAIL 6/A-10 FOR ATTACHMENT

11'-0" SHED ENDWALL
WITH 8 DOOR OPENING

6 / A-7 FRAMING ELEVATION

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

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING RISK CATEGORY II, SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637 MS# 19034 KS# 21198
SC# 27592 NC# 035485 GA# 034371
WV# 071936 TX# 104353 MD# 40905
PA# 079009 VA# 045543
TN# 112761 FL# 34222

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PHONE: 1-229-241-8805

FRAMING ELEVATIONS

STATE OF FLORIDA
LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
6/12/12

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-7
13 OF 20

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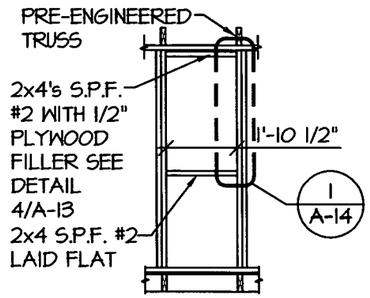
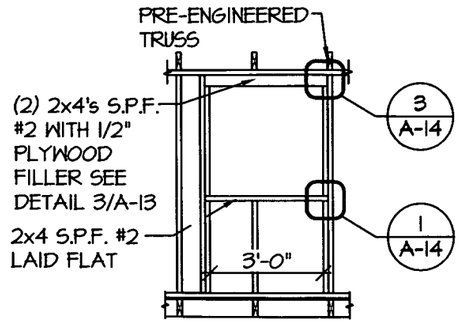


SIDEWALL OR ENDWALL
2'-0" WINDOW HEADER AND SILL

1/A-8 FRAMING ELEVATION

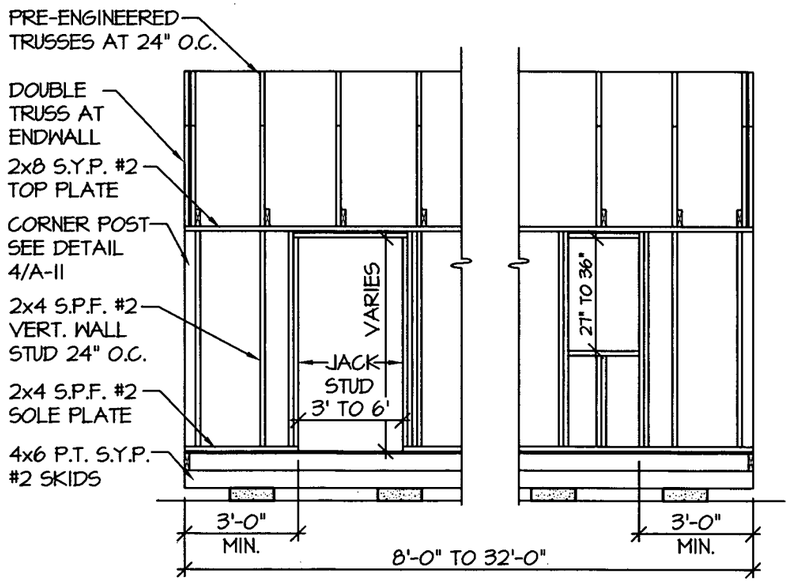
SCALE: 1/4" = 1'-0"



SIDEWALL
3'-0" OPENING HEADER AND SILL

2/A-8 FRAMING ELEVATION

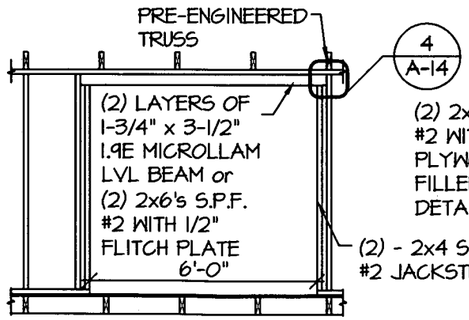
SCALE: 1/4" = 1'-0"



SIDEWALL

3/A-8 FRAMING ELEVATION

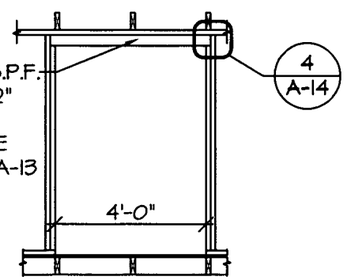
SCALE: 1/4" = 1'-0"



SIDEWALL
6'-0" DOOR HEADER

4/A-8 FRAMING ELEVATION

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



SIDEWALL
4'-0" DOOR HEADER

5/A-8 FRAMING ELEVATION

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

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

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THOMAS A. DIXON, P.E.

AL# 30637 MS# 19034 KS# 21198
SC# 27592 NC# 035485 GA# 034371
WV# 071936 TX# 104353 MD# 40905
PA# 079009 VA# 045593
TN# 112761 FL# 34222

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FRAMING ELEVATIONS

LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON
6/25/12

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-8
14 OF 20

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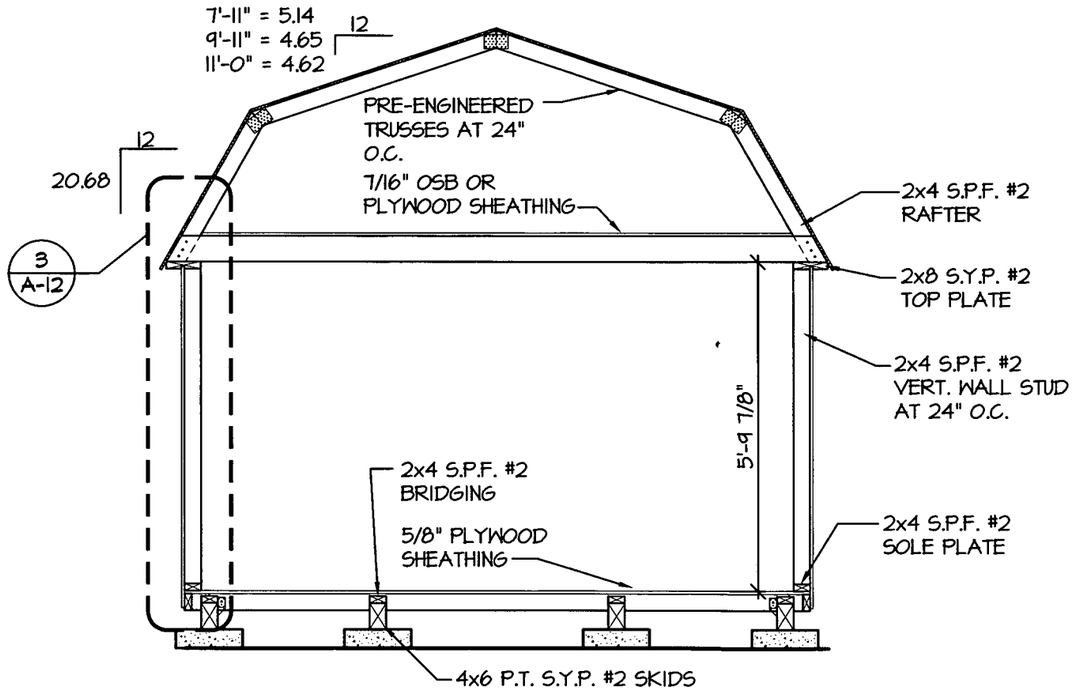

1 / A-9 **CROSS SECTION**
SCALE: 3/8" = 1'-0"

EXAMPLE DRAWING IS OF A 11'-0" WIDE UNIT

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
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19034
STATE OF MISSISSIPPI

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VALDOSTA, GA 31601
PHONE: 1-229-241-8805

SECTION & DETAIL

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-9
15 OF 20

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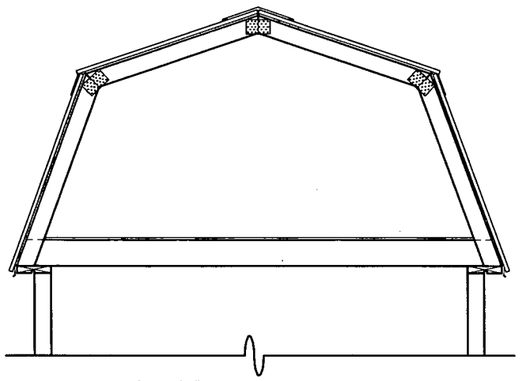
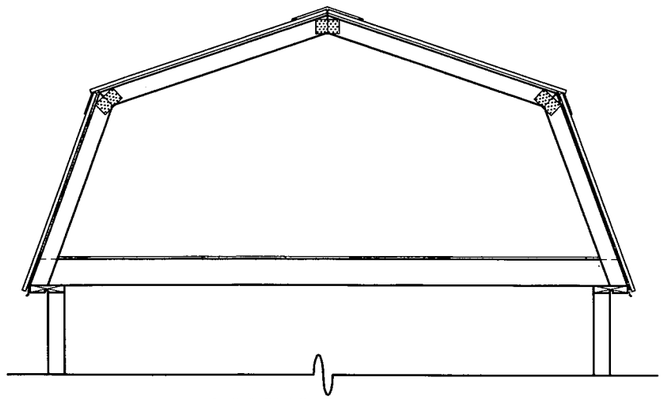
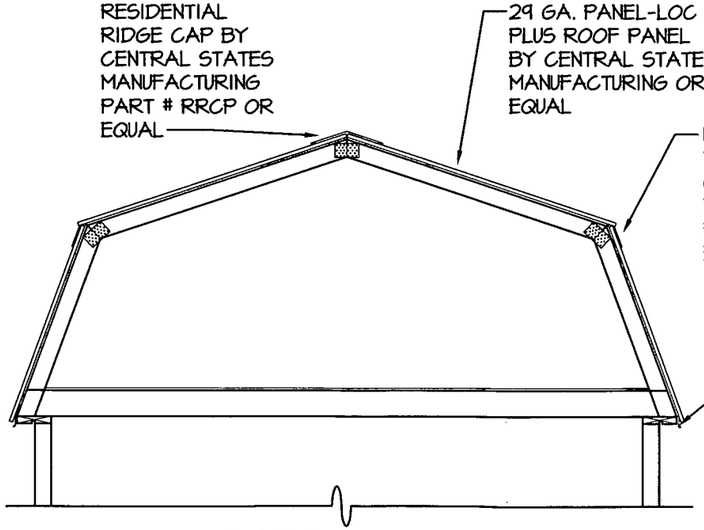


7'-11 1/2" WIDE
OPTIONAL METAL ROOF
CROSS SECTION
1 / A-10 — SCALE: 3/8" = 1'-0"



9'-11 1/2" WIDE
OPTIONAL METAL ROOF
CROSS SECTION
2 / A-10 — SCALE: 3/8" = 1'-0"



11'-0" WIDE
OPTIONAL METAL ROOF
CROSS SECTION
3 / A-10 — SCALE: 3/8" = 1'-0"

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
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License No. 0037001
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19034
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COOK PORTABLE WAREHOUSES
LOFTED BARN SHED
100 DOUGLAS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

ROOF SECTIONS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-10
16 OF 20

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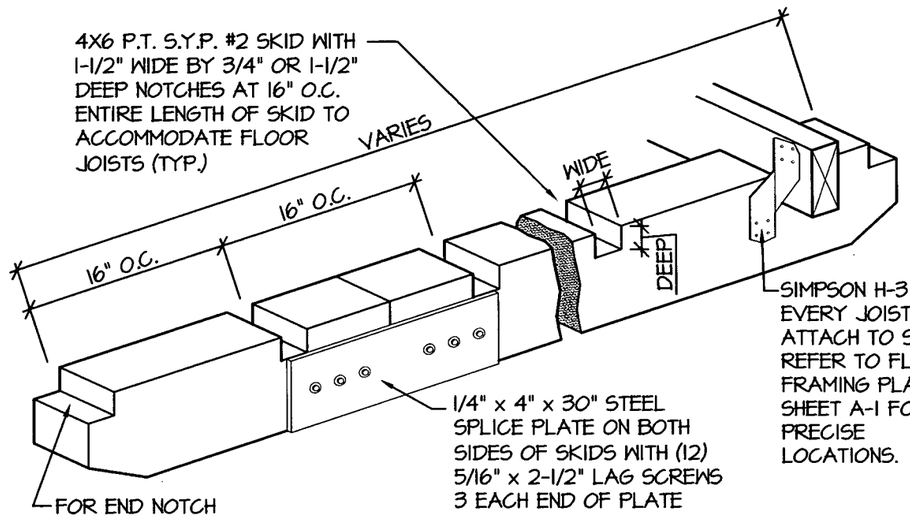
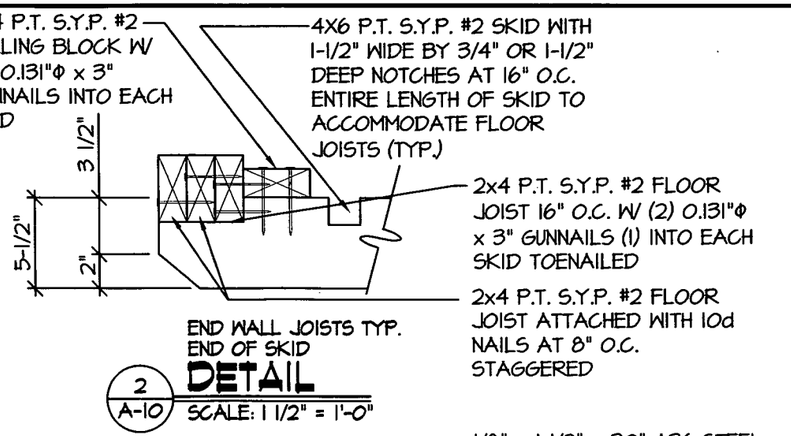
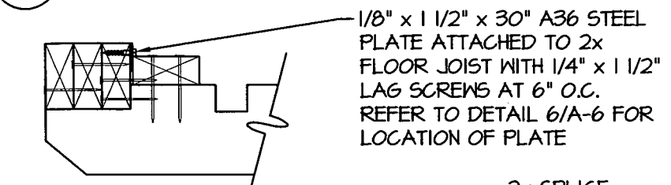


1 / A-11 ISOMETRIC SKID DETAIL
SCALE: N.T.S.

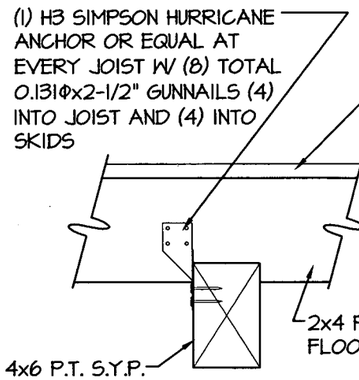
NOTE:
FOR ALL FASTENING OF FRAMING MEMBERS NOT NOTED ON THIS SHEET REFER TO FASTENING SCHEDULE ON SHEETS C-4 THRU C-6



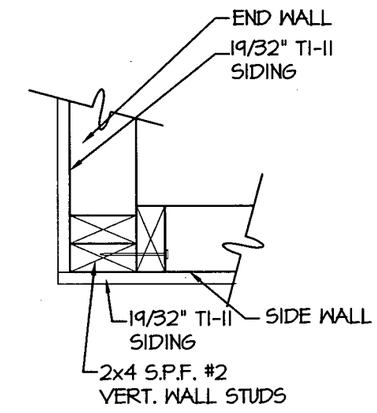
2 / A-10 DETAIL
SCALE: 1 1/2" = 1'-0"



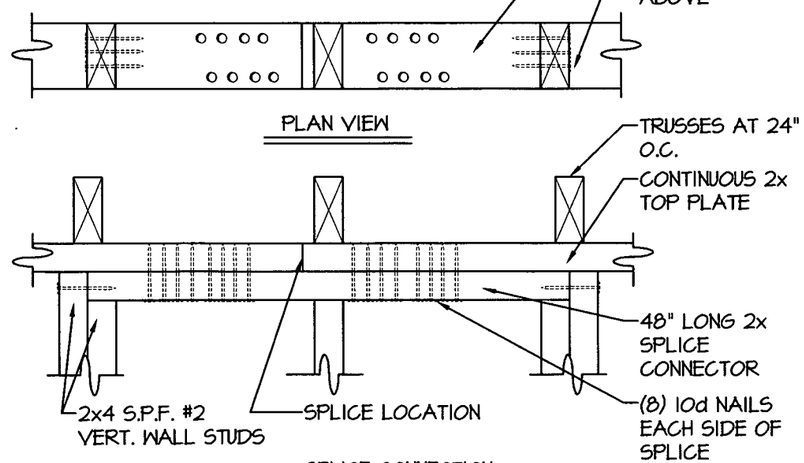
6 / A-10 DETAIL
SCALE: 1 1/2" = 1'-0"



3 / A-11 SKID CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"



4 / A-11 CORNER CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"



5 / A-11 SPLICE CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

AREA FOR APPROVAL STAMPS

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DETAILS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 27592
THOMAS A. DIXON

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-11
17 OF 20

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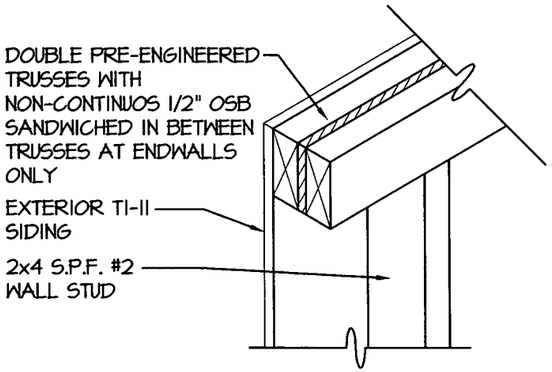

1 / A-12 DOUBLE TRUSS DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
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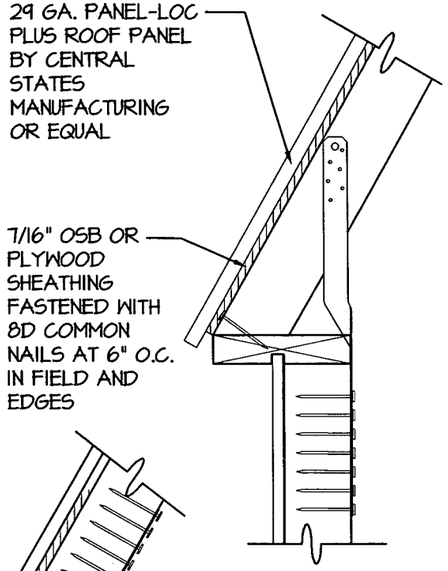
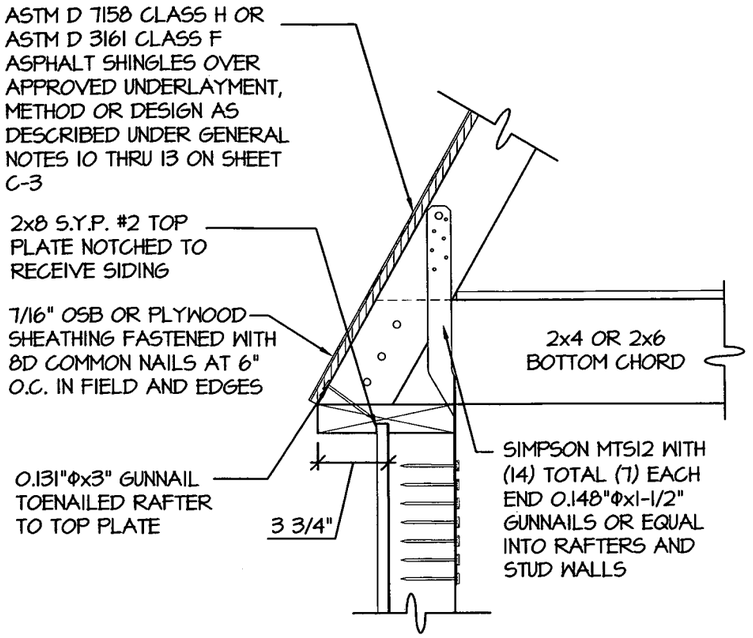
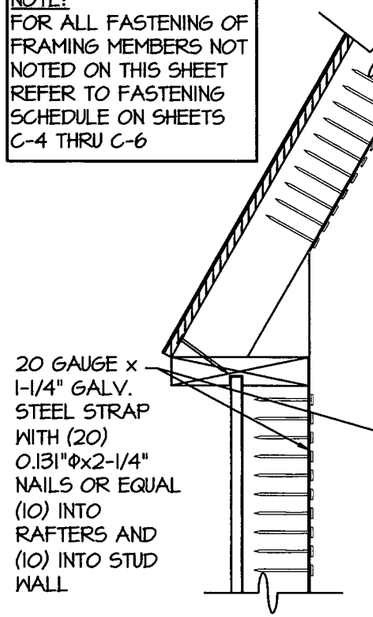
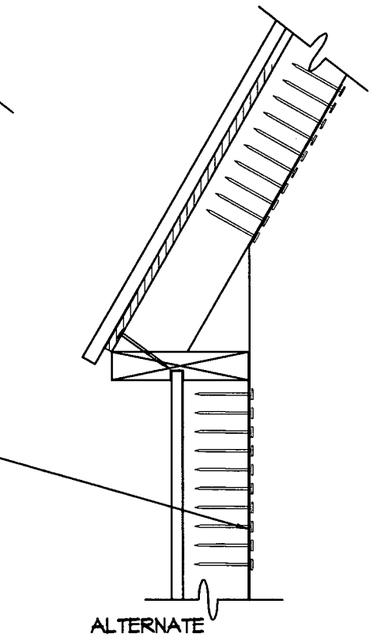


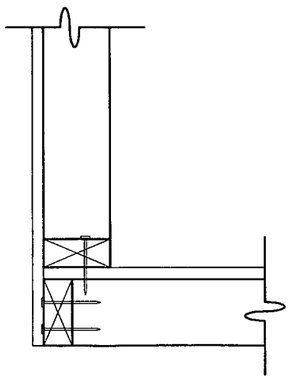




4 / A-12 ALTERNATE STANDARD BARN WALL STUD TO RAFTER ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

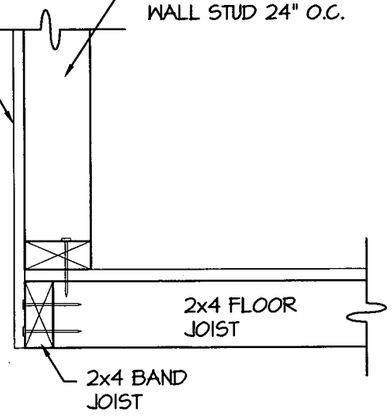


5 / A-12 ALTERNATE STANDARD BARN WALL STUD TO RAFTER FASTENING WITH METAL ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



2 / A-12 WALL STUD TO RAFTER FASTENING W/ METAL ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

19/32" T1-11 SIDING OR 19/32" LP SMARTSIDE PRECISION PANEL SIDING. SEE SHEAR WALL TABLE 1/A-2 FOR MAXIMUM BUILDING LENGTHS BASED ON PRESCRIBED NAILING PATTERN IN ENDWALL SHAER WALLS. NAILING FOR SIDEWALLS SHALL BE 8d COMMON OR DEFORMED NAILS AT 6" O.C. EVERYWHERE.



3 / A-12 WALL STUD TO RAFTER AND FLOOR FASTENING DETAIL
SCALE: 1 1/2" = 1'-0"

AREA FOR APPROVAL STAMPS

STATE OF LOUISIANA
THOMAS ALAN DIXON
License No. 0037001
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

THOMAS A. DIXON
LICENSED PROFESSIONAL ENGINEER
19034
STATE OF MISSISSIPPI

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, BUILDING FOR A THREE SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637	MS# 19034	KS# 21198	
SC# 27592	NC# 035985	GA# 034371	
WV# 071936	TX# 104353	MD# 40905	
PA# 079009	VA# 045543		
TN# 112761	FL# 34222		

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COOK PORTABLE WAREHOUSES
LOFTED BARN SHED
100 DOUGLAS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

DETAILS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 27592 THOMAS A. DIXON
6/20/12

DATE:	2/23/12
DRAWN BY:	JDA
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-057

SHEET
A-12
18 OF 20

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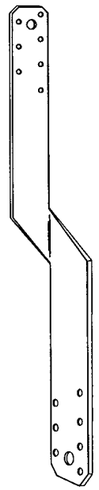

16 GAUGE GALVANIZED STEEL WITH
(14) TOTAL (7) EACH END
0.148"Φx1-1/2" NAILS OR EQUAL INTO
RAFTERS AND STUD WALLS

SIMPSON MTS12 OR
EQUAL TWIST STRAP

1 / A-13 **DETAIL**
SCALE: 3" = 1'-0"

NOTE:
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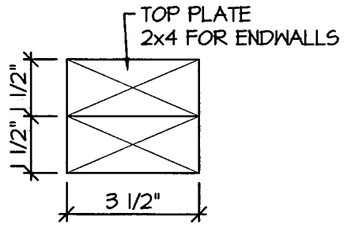
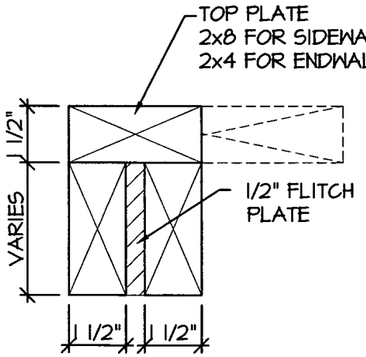
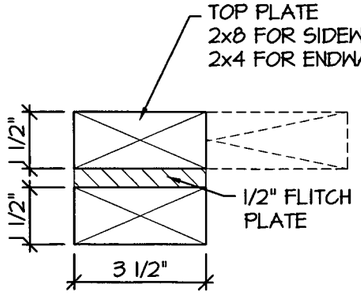


2 / A-13 HEADER **SECTION**
SCALE: 3" = 1'-0"



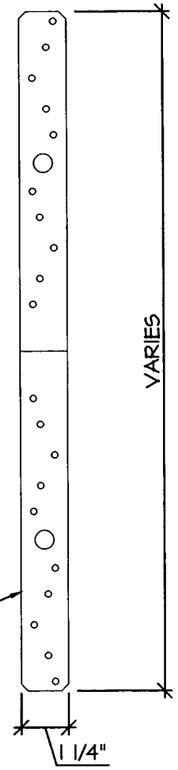
3 / A-13 HEADER **SECTION**
SCALE: 3" = 1'-0"



4 / A-13 HEADER **SECTION**
SCALE: 3" = 1'-0"

NOTE: USED ON EVERY WALL STUD TO CONNECT WALL TO ROOF

20 GAUGE x 1-1/4" GALV. STEEL STRAP WITH (20) 0.131"Φ x 2-1/4" NAILS OR EQUAL (10) INTO RAFTERS AND (10) INTO STUD WALL



5 / A-13 20 GAGE STRAP **DETAIL**
SCALE: 3" = 1'-0"

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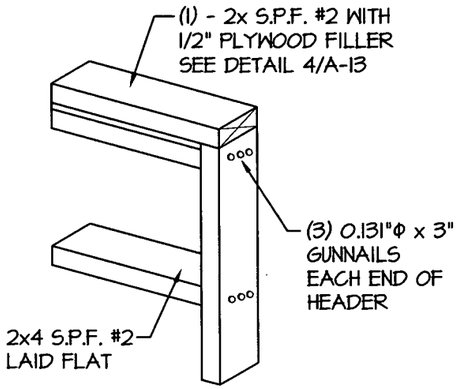
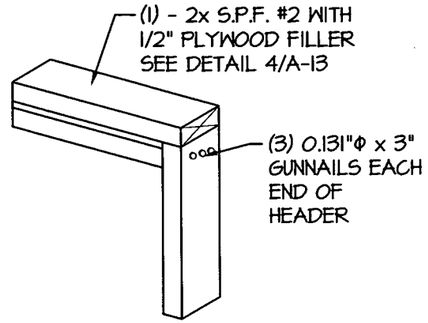
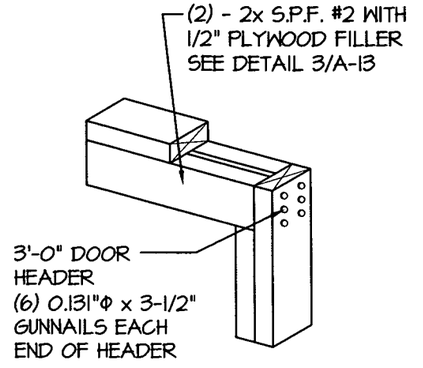
SHEET
A-13
19 OF 20



WINDOW HEADER AND SILL
1 / A-14 **DETAIL**
SCALE: N.T.S.



HEADER WITH OUT STRAP
2 / A-14 **DETAIL**
SCALE: N.T.S.



HEADER WITH OUT STRAP
3 / A-14 **DETAIL**
SCALE: N.T.S.

NOTE:
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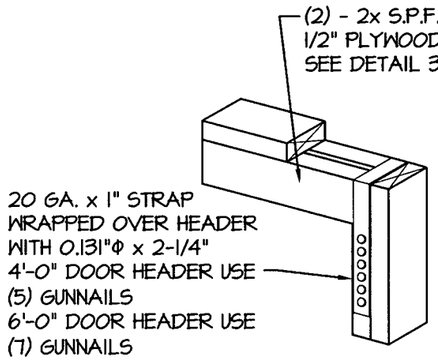
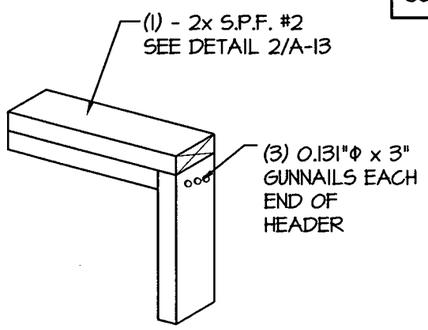


HEADER WITH STRAP
4 / A-14 **DETAIL**
SCALE: N.T.S.



HEADER WITH OUT STRAP
5 / A-14 **DETAIL**
SCALE: N.T.S.

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