COOK PORTABLE WAREHOUSES

100 DOUGLAS STREET
VALDOSTA, GA 31601

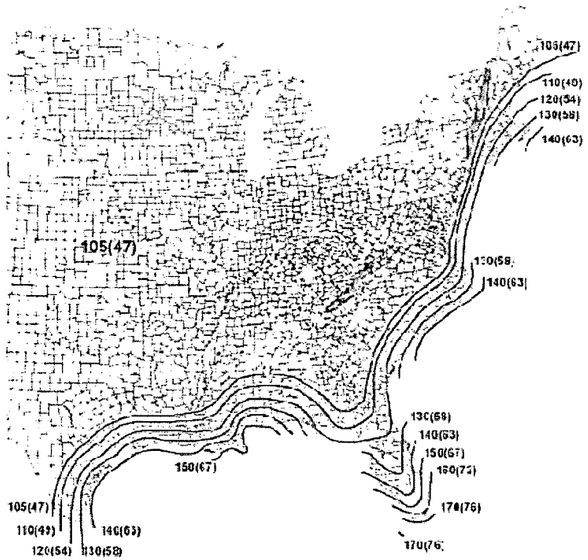
LOFTED BARN SHED

FOR THE INTERNATIONAL
BUILDING CODE

DESIGN CRITERIA

1.	WIND VELOCITY	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	LOFT UNINHABITABLE LIVE LOAD	20 PSF
12.	SNOW LOAD	20 PSF
13.	CONSTRUCTION TYPE	V B
14.	BUILDING OCCUPANCY:	U
15.	FIRE RATING EXT. WALLS	0
16.	ALLOWABLE NUMBER OF FLOORS	1
17.	THE CONTRACTOR/MANUFACTURER MUST COMPLY WITH THE FOLLOWING CODES AND ALL OF THERE AMENDMENTS/SUPPLEMENTS:	
	- INTERNATIONAL BUILDING CODE - 2015	
	- NATIONAL ELECTRIC CODE - 2014	
	- NFPA 101 LIFE SAFTEY CODE - 2015	

ALABAMA CODES	
-INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS	- 2015



Special Wind Region

Location	Vmph	(m/s)
Guam	180	(80)
Virgin Islands	150	(67)
American Samoa	150	(67)
Hawaii – Special Wind Region Statewide	115	(51)

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
F-1	ANCHORING GENERAL NOTES
F-2	EXP. "B" WIND CHARTS
F-3	EXP. "C" WIND CHARTS
F-4	EXP. "B" ANCHOR CHARTS
F-5	EXP. "C" ANCHOR CHARTS
F-6	GROUND ANCHOR SCHEDULE
F-7	ANCHORING DETAILS
F-8	OPTIONAL PAD DETAILS

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING FOR A BASIC 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
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COOK PORTABLE WAREHOUSES
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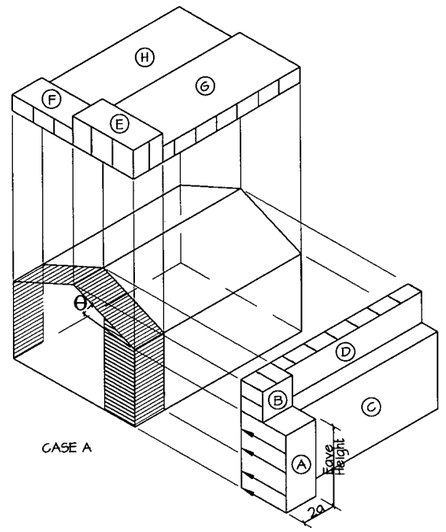
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

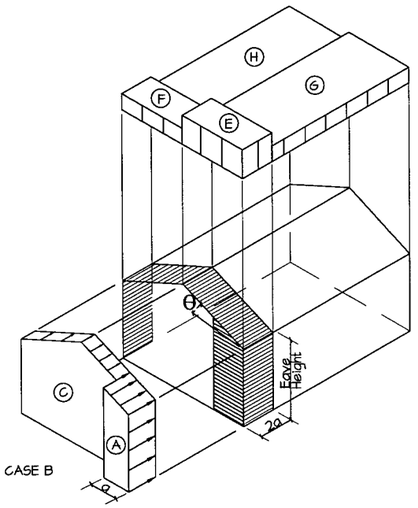
COVER SHEET

LICENSED STRUCTURAL ENGINEER
No. 30637
PROFESSIONAL
ENGINEER
THOMAS A. DIXON
4/3/2017

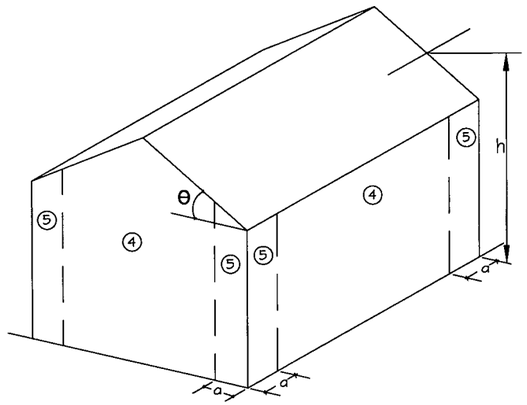
DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
C-1
1 OF 28

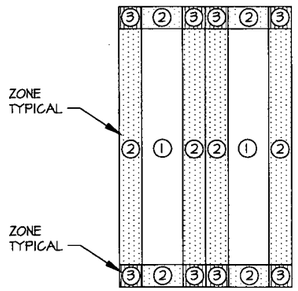




WIND LOAD MAIN WIND FORCE PRESSURE DIAGRAMS



WIND LOAD COMPONENT AND CLADDING WALL PRESSURE DIAGRAM



WIND LOAD COMPONENT AND CLADDING ROOF PRESSURE DIAGRAM

BUILDING DATA **ASCE 7-10 WIND**

WIND VELOCITY V_{ULT}	160 mph	INTERNAL PRESSURE COEFFICIENT: (ENCLOSED BUILDING ASCE 7-10)	±0.18
WIND VELOCITY V_{ASC}	124		
BUILDING CATEGORY (TABLE 1.5-1 ASCE 7-10)	I	HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENT	1.21
ROOF ANGLE θ (DEGREES)	7-27 degrees	ROOF DEAD LOAD RESISTING UPLIFT (psf)	4
		MEAN ROOF HEIGHT	15
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	-46.9	4	10	55.8	-60.5
1	20	29.3	-49.6	-45.6	4	20	53.2	-58.0
1	50	25.5	-47.7	-43.7	4	50	49.9	-54.6
1	100	22.6	-46.2	-42.2	4	100	47.4	-52.2
2	10	32.1	-88.8	-84.8	4	500	41.5	-46.2
2	20	29.3	-81.7	-77.7	5	10	55.8	-74.7
2	50	25.5	-72.2	-68.2	5	20	53.2	-69.6
2	100	22.6	-65.2	-61.2	5	50	49.9	-62.9
3	10	32.1	-131.3	-127.3	5	100	47.4	-58.0
3	20	29.3	-122.7	-118.7	5	500	41.5	-46.2
3	50	25.5	-111.4	-107.4				
3	100	22.6	-103.0	-99.0				

ROOF OVERHANG		
ZONE	AREA (ft²)	DESIGN PRESSURE (psf)
2	10	-103.9
2	20	-103.9
2	50	-103.9
2	100	-103.9
3	10	-174.7
3	20	-157.7
3	50	-135.2
3	100	-118.1

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 1 ENCLOSED BUILDINGS H ≤ 60'

BASIC WIND SPEED (mph)	ROOF ANGLE (DEGREES)	LOAD CASE	ZONES									
			HORIZONTAL PRESSURES				VERTICAL PRESSURES				ROOF OVERHANG	
			A	B	C	D	E	F	G	H	E_{Oh}	G_{Oh}
160	0-5	1	49.1	-25.5	32.5	-15.1	-59.0	-33.5	-41.1	-26.0	-82.6	-64.7
	10	1	55.4	-23.0	36.8	-13.4	-59.0	-36.1	-41.1	-27.7	-82.6	-64.7
	15	1	61.7	-20.4	41.1	-11.6	-59.0	-38.6	-41.1	-29.4	-82.6	-64.7
	20	1	68.0	-17.9	45.4	-9.9	-59.0	-41.1	-41.1	-31.2	-82.6	-64.7
	25	1	61.6	9.9	44.6	10.2	-27.3	-37.3	-19.8	-30.0	-50.9	-43.4
	25	2	0.0	0.0	0.0	0.0	-10.4	-20.3	-2.8	-12.9	0.0	0.0
	30 to 45	1	55.3	37.8	43.9	30.3	4.2	-33.5	1.5	-28.8	-19.4	-22.1
	30 to 45	2	55.3	37.8	43.9	30.3	21.3	-16.6	18.4	-11.9	-19.4	-22.1

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 28.6-1)
3. For the design of the Case B MWFRS use θ = 0ff.
4. Plus and minus signs signify pressures acting toward and away from the projected surfaces, rspectively.
5. Where zone E or C 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.
6. 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.

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING FOR A 3 SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

AL# 30637	MS# 19034	KS# 21198	DIXON ENGINEERIN, INC.
SC# 27542	NC# 035985	GA# 034371	STRUCTURAL ENGINEERING AND INSPECTION - COA 8195
WV# 071936	TX# 104353	MD# 40905	10410 MAIN STREET
PA# 079009	VA# 045593		THONOTOSASSA, FL 33592
TN# 112761	FL# 34222		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

WIND LOADING

LICENSED No. 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/31/17

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET C-2
2 OF 28

GENERAL NOTES

1. THIS STRUCTURE WAS DESIGNED IN IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING (I.B.C.)
2. ALL MATERIALS AND LABOR SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.
3. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
4. THE FOUNDATION PLAN IS A SEPARATE SET OF PLANS FOR APPROVAL BY LOCAL MUNICIPALITIES.
5. EXTERIOR DIMENSIONS CAN VARY BETWEEN LIMITS SHOWN AT 2' O.C. BUT MEMBER SPACING SHALL NOT EXCEED LIMITS AS INDICATED.
6. ALL THE FOLLOWING LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA USE CATEGORY UC4B (GROUND CONTACT, HEAVY DUTY): SKIDS
7. 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.
8. ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED (G185) OR STAINLESS STEEL.
9. ALL WINDOWS WITHIN 24" OF DOORS, AND ALL GLASS IN DOORS SHALL BE SAFETY, TEMPERED, OR ACRYLIC PLASTIC SHEET.
10. 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 2015 I.B.C.
11. UNDERLAYMENT SHALL CONFORM WITH SECTION 1507.2.3 OF THE 2015 I.B.C.
12. ASPHALT SHINGLES SHALL CONFORM WITH SECTION 1507.2.5 OF THE 2015 I.B.C. ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH 1507.2.7 OF THE 2015 I.B.C.R
13. FASTENERS FOR ASPHALT SHINGLES SHALL CONFORM TO SECTION 1507.2.6 OF THE 2015 I.B.C.
14. TIE-DOWNS SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES.
15. THESE PLANS HAVE NOT BEEN DESIGNED FOR HVHZ REQUIREMENTS AS SET FORTH IN THE 2015 I.B.C. OR FOR USE AS A COMMERCIAL BUILDING.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY AND PLACEMENT OF LAWN STORAGE UNIT TO INSURE THE INTEGRITY OF THE BUILDING AND ITS COMPONENT PARTS.
18. NO FIELD REVISIONS TO ANY STRUCTURAL COMPONENTS OR DEVIATIONS FROM THESE DRAWINGS SHALL BE MADE.
19. 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.
20. 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.
21. REFER TO SUPPLIED FASTENING SCHEDULE FOR FASTENING BASED ON CONNECTION AND LOCATION OF MEMBERS AS PER 2015 INTERNATIONAL BUILDING CODE TABLE 2304.9.1 UNLESS NOTED OTHERWISE.
22. BUILDINGS HAVE BEEN DESIGNED FOR LP SMARTSIDE PRECISION PANEL SIDING, LP SMARTSIDE PRECISION LAP SIDING SHALL NOT BE USED.
23. 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.
24. REFER TO THE ICC-ES EVALUATION REPORT ESR-1301 FOR ADDITIONAL DATA AND SPECIFICATIONS OF LP SMARTSIDE PRECISION PANEL SIDING.
25. 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 EQUAL TO THOSE IN THE ENDWALL SHEAR WALL CHART.
26. PER SECTION 1609.1.2 #3 OF THE IBC, 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.
27. 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 PER 1008.1.1 (SEE EXCEPTION 8).
28. 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.
29. 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

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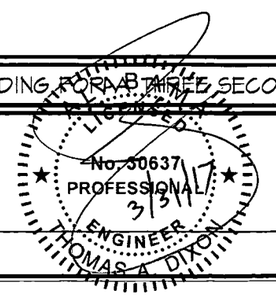
NOTES



DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
C-3
3 OF 28

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

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING FOR A THREE SECOND GUST OF 160 MPH.

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FASTENING SCHEDULE

LICENSED No. 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/31/17

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
C-4
4 OF 28

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

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 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	

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

FASTENING SCHEDULE (CONT.)

THOMAS A. DIXON LICENSED No. 30637 PROFESSIONAL ENGINEER 3/31/17

DATE:	3/30/17
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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	6d[f]	
	5/8"	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]	

a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
b. 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 IBC. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
c. COMMON OR DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d 3" x 0.148").
d. COMMON (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d 3" x 0.148").
e. DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d 3" x 0.148").
f. 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.
g. 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.
h. 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.
i. 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).
j. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
k. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".
l. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" O.C. AT EDGES, 8" O.C. AT INTERMEDIATE SUPPORTS.
m. 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.
n. FASTENERS SPACED 4" O.C. AT EDGES, 8" AT INTERMEDIATE SUPPORTS.

AREA FOR APPROVAL STAMPS

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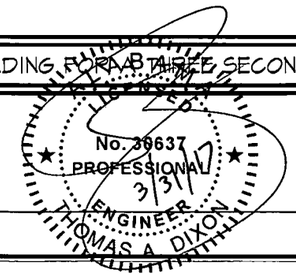
FASTENING SCHEDULE (CONT.)



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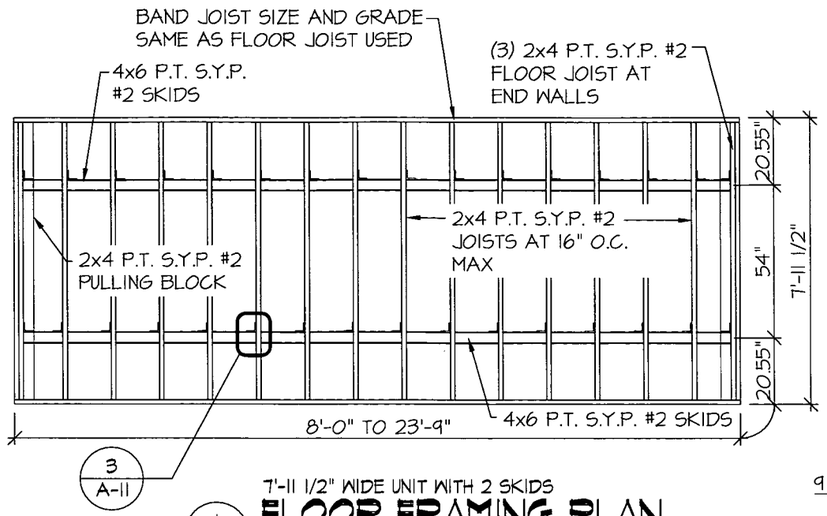
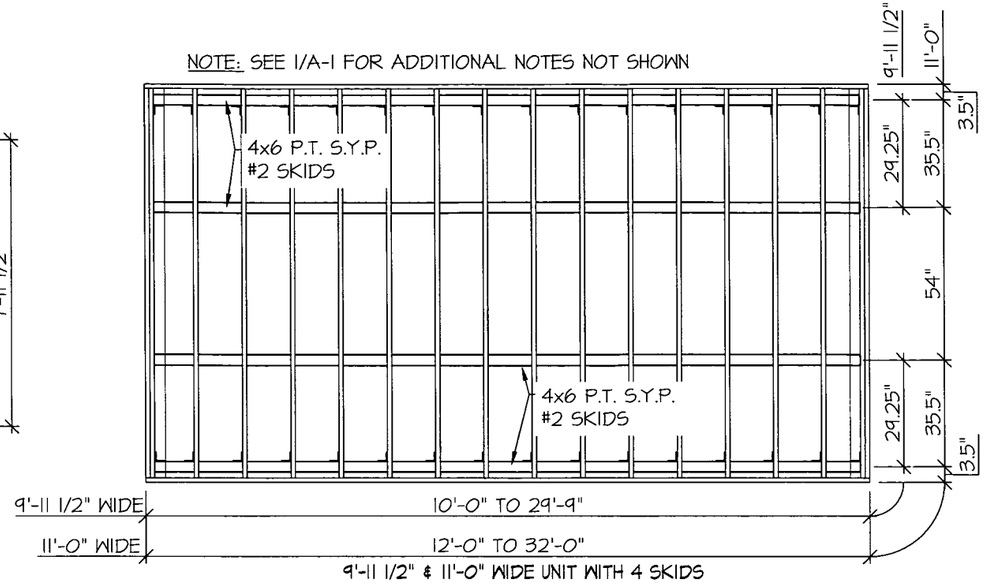


7'-11 1/2" WIDE UNIT WITH 2 SKIDS

1 / A-1 FLOOR FRAMING PLAN

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

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

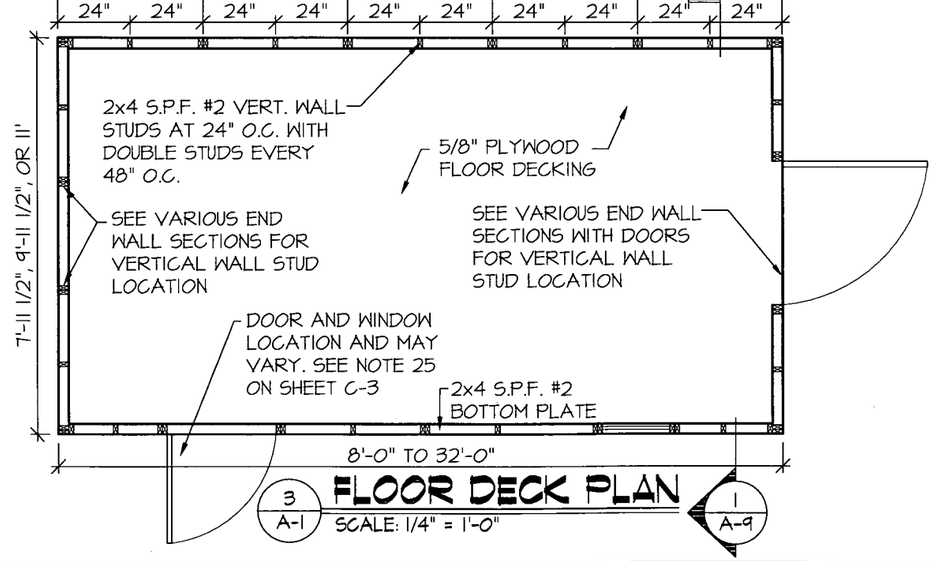


9'-11 1/2" & 11'-0" WIDE UNIT WITH 4 SKIDS

2 / A-1 FLOOR FRAMING PLAN

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

EXAMPLE DRAWINGS ARE OF A 20' LENGTH UNIT



3 / A-1 FLOOR DECK PLAN

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

1 / A-9

AREA FOR APPROVAL STAMPS

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WV# 071936 TX# 104353 MD# 40905
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TN# 112761 FL# 34222

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COOK PORTABLE WAREHOUSES

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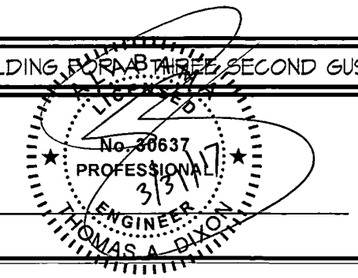
FLOOR DECK AND FRAMING PLANS



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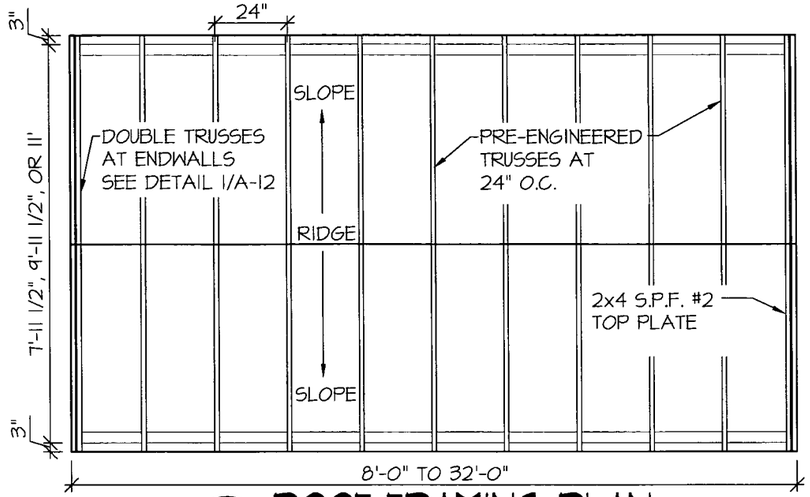
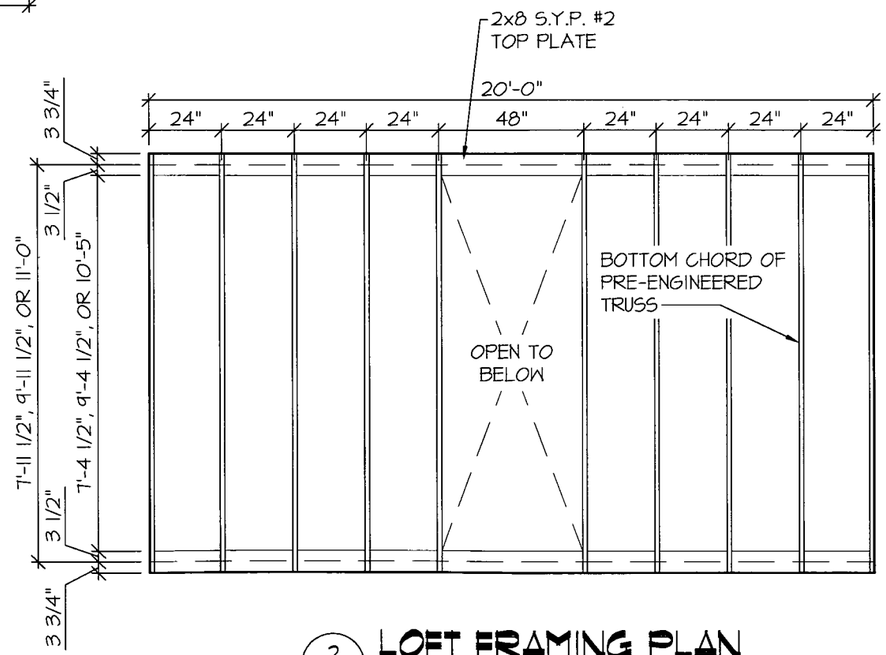


1 / A-2 **ROOF FRAMING PLAN**

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



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

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

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

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ROOF FRAMING PLANS

STATE OF FLORIDA LICENSED No. 30637 PROFESSIONAL ENGINEER 3/31/17 THOMAS A. DIXON

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SHEARWALL CHART

BUILDING WIDTH	OPENING WIDTHS IN ENDWALL	MAX LENGTH OF BUILDING		
		19/32" T1-11[1]	19/32" LP SMARTPANEL[2]	19/32" LP SMARTPANEL[3]
7'-11 1/2"	NONE	23'-9"	23'-9"	23'-9"
	3'-0" MAX			
	4'-0"			
9'-11 1/2"	NONE	29'-9"	29'-9"	29'-9"
	3'-0" MAX			
	4'-0"			
	6'-0"			
	7'-0"		26'-0"	
11'-0"	NONE	32'-0"	32'-0"	32'-0"
	4'-0" MAX			
	6'-0"			
	7'-0"			
	8'-0"		26'-0"	

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. 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.
3. 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
4. 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 SHALL BE BASED ON THE SHEAR WALL HEIGHT TO WIDTH RATIO OF 3.5:1 AND SHALL NOT EXCEED (2/3) OF TOTAL LENGTH OF BUILDING. NAILING IN SIDEWALL USE 8d NAILS COMMON OR DEFORMED AT 6" O.C. EVERYWHERE WHEN TOTAL OPENING WIDTHS IN SIDE WALL ARE LESS THAN (2/3) OF TOTAL LENGTH OF BUILDING.

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

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SHEAR WALL TABLE

LICENSED No. 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/31/17

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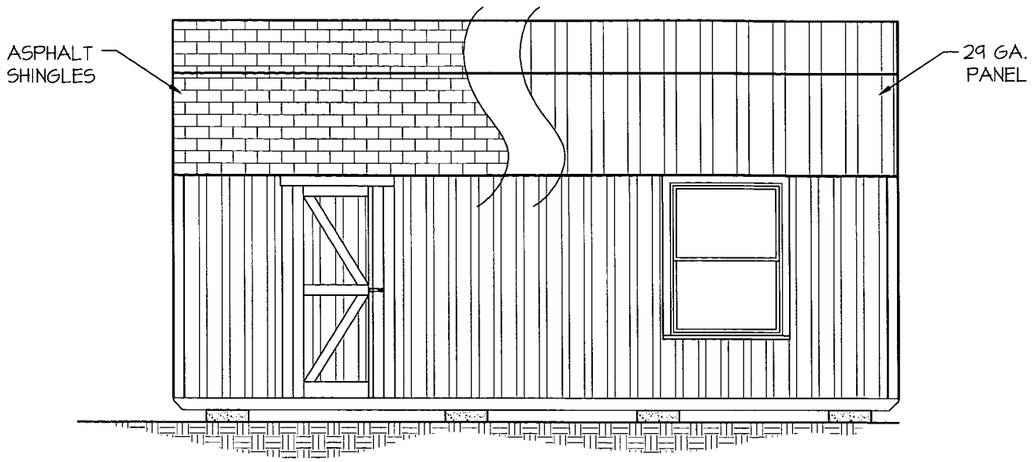
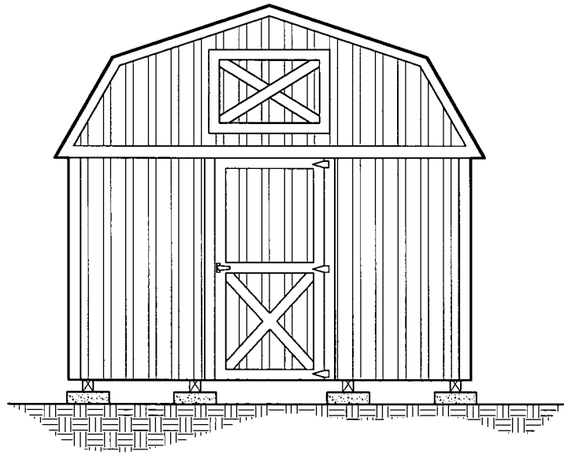


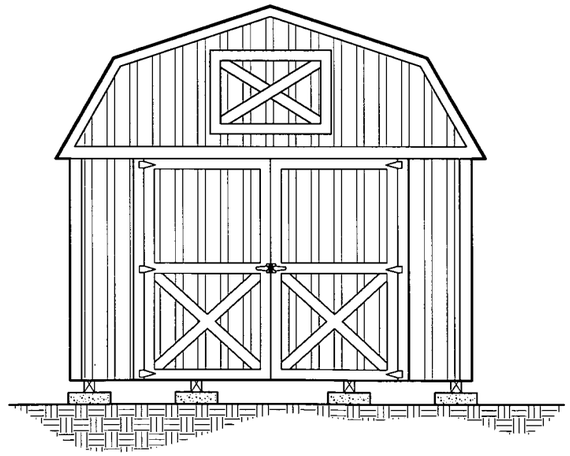
LOFTED BARN
SIDE ELEVATION
1 / A-4
SCALE: 1/4" = 1'-0"

EXAMPLE DRAWING IS OF A 20' LENGTH UNIT



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

LOFTED BARN
ENDWALL ELEVATION
2 / A-4
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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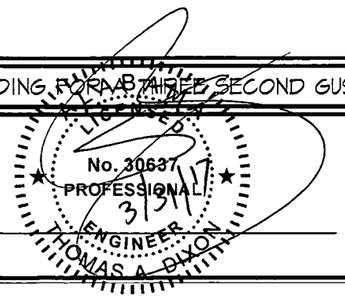
EXTERIOR ELEVATIONS



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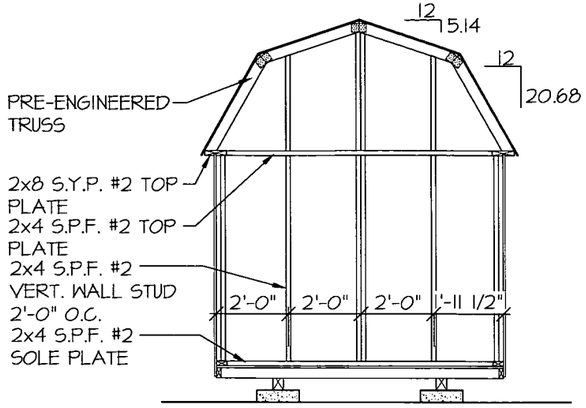
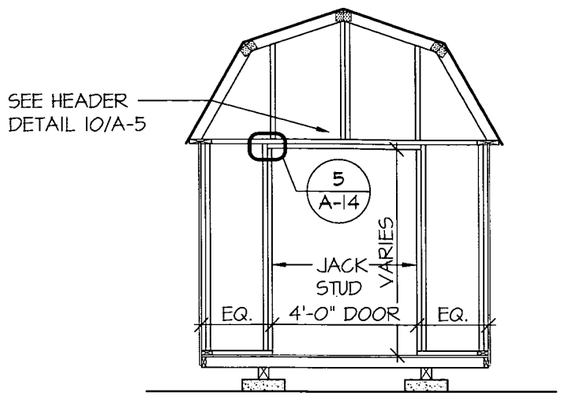


7'-11 1/2" SHED ENDWALL WITH NO OPENING

1 / A-5 **FRAMING ELEVATION**

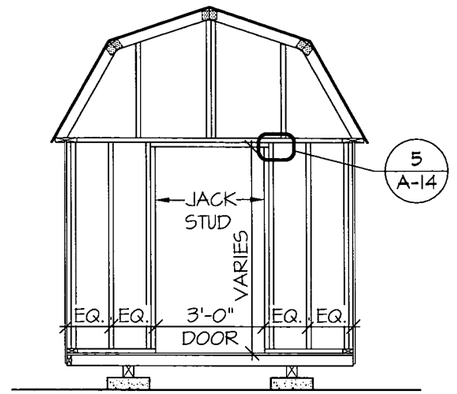
SCALE: 1/4" = 1'-0"



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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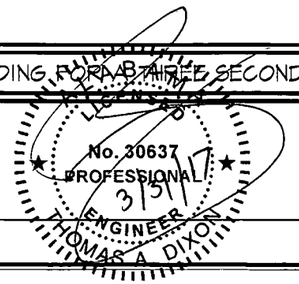
FRAMING ELEVATIONS



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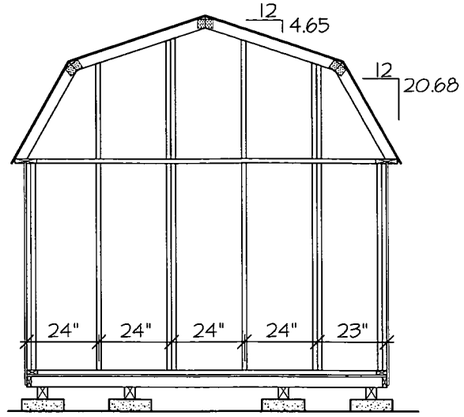
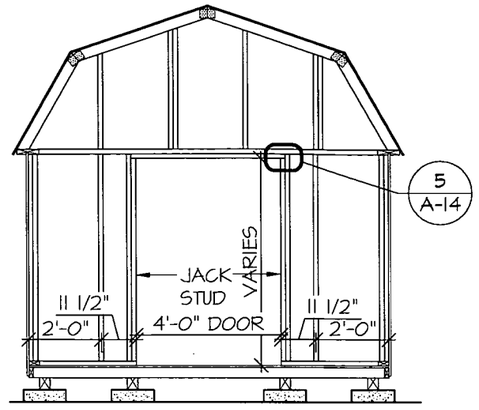


9'-11 1/2" SHED ENDWALL
WITH NO OPENING

1 / A-6 FRAMING ELEVATION

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

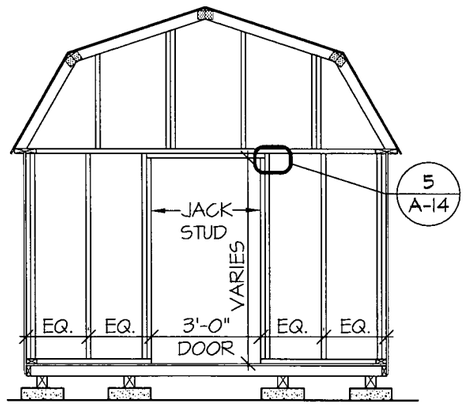


9'-11 1/2" SHED ENDWALL
WITH 4' DOOR OPENING

2 / A-6 FRAMING ELEVATION

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

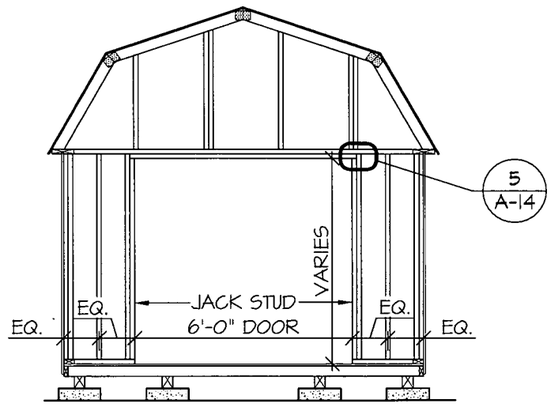
NOTE:
1. FOR ALL NOTES NOT SHOWN SEE SHEET A-1 - A-5



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

3 / A-6 FRAMING ELEVATION

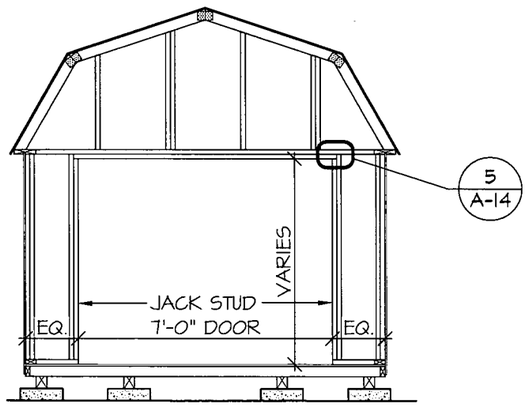
SCALE: 1/4" = 1'-0"



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

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 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

DIXON ENGINEERIN, INC.
STRUCTURAL ENGINEERING AND INSPECTION - COA 8195
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

LICENSED No 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/31/17

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
A-6
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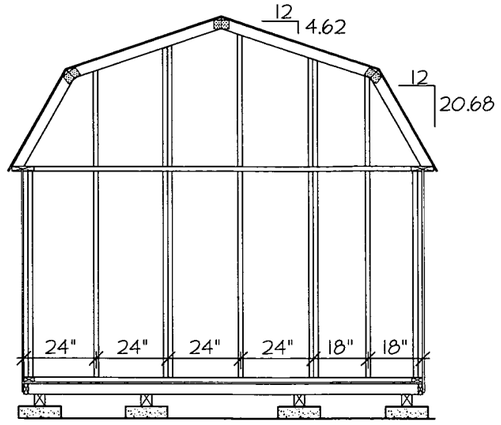
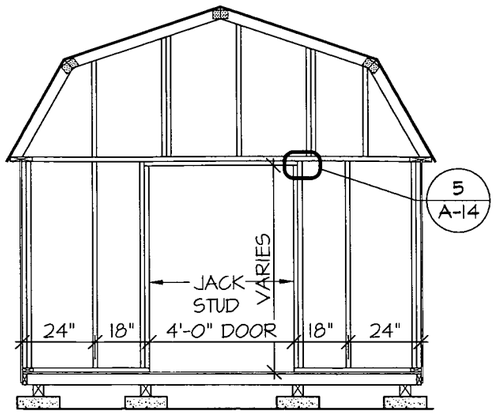


11'-0" SHED ENDWALL
WITH NO OPENING

1 / A-7 FRAMING ELEVATION

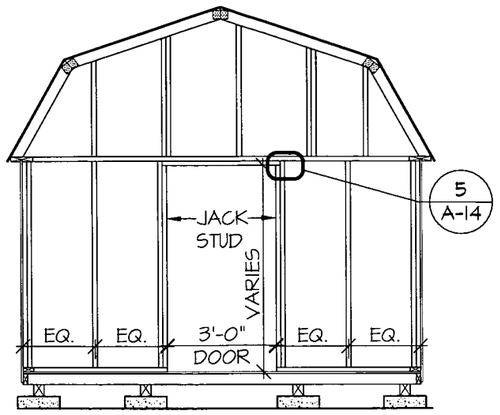
SCALE: 1/4" = 1'-0"



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

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SHEET
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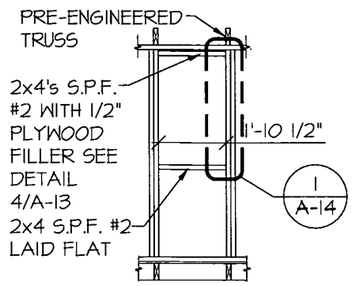
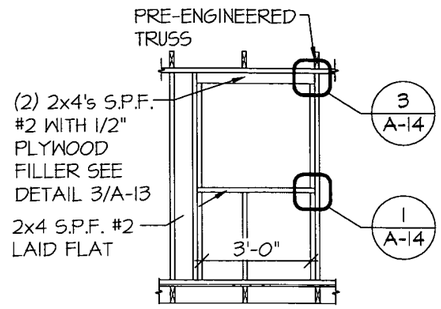


SIDEWALL OR ENDWALL
2'-0" WINDOW HEADER AND SILL

FRAMING ELEVATION

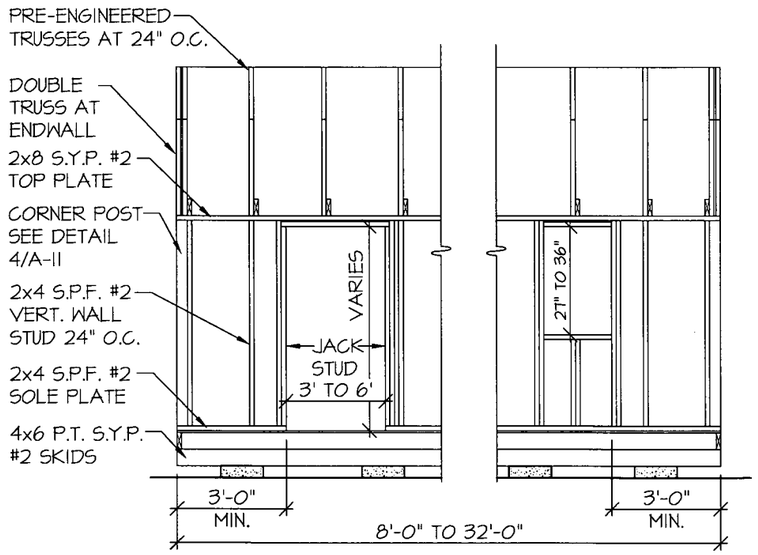
1 / A-8 SCALE: 1/4" = 1'-0"



SIDEWALL
3'-0" OPENING HEADER AND SILL

FRAMING ELEVATION

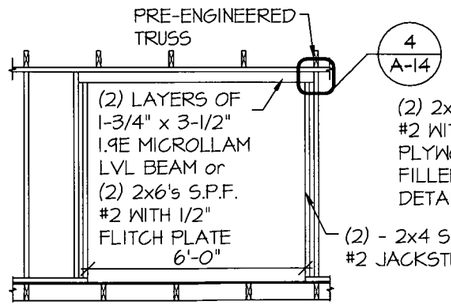
2 / A-8 SCALE: 1/4" = 1'-0"



SIDEWALL

FRAMING ELEVATION

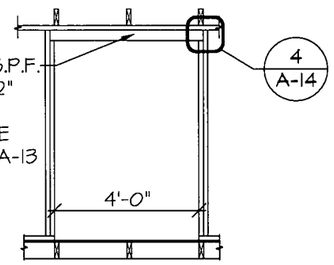
3 / A-8 SCALE: 1/4" = 1'-0"



SIDEWALL
6'-0" DOOR HEADER

FRAMING ELEVATION

4 / A-8 SCALE: 1/4" = 1'-0"



SIDEWALL
4'-0" DOOR HEADER

FRAMING ELEVATION

5 / A-8 SCALE: 1/4" = 1'-0"

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SHEET
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NOTE:
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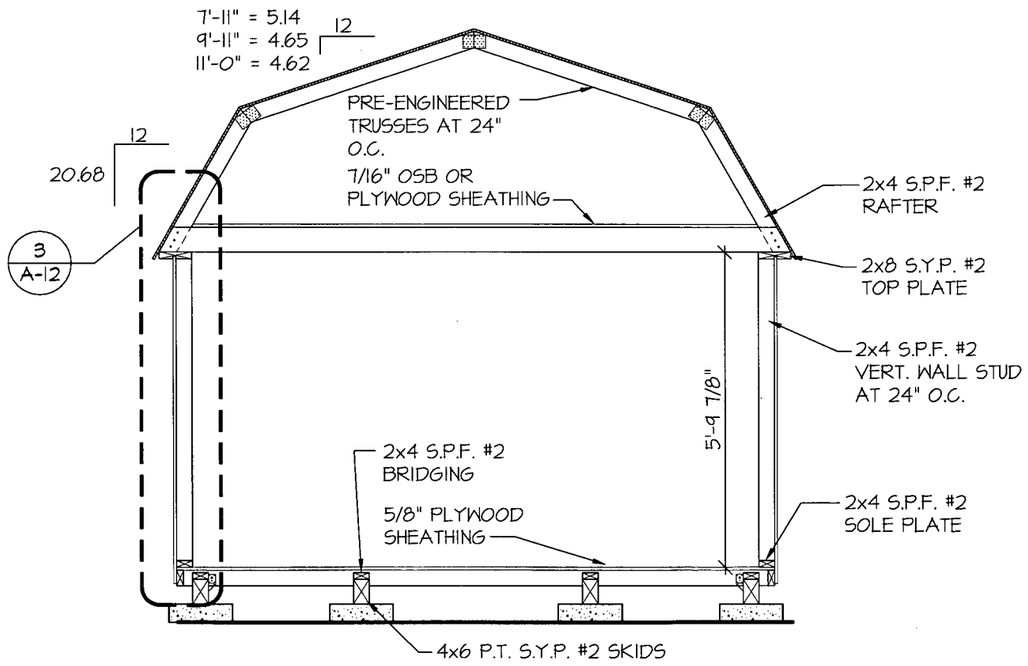

1 / A-9 **CROSS SECTION**
SCALE: 3/8" = 1'-0"

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

AREA FOR APPROVAL STAMPS

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SECTION & DETAIL

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SHEET
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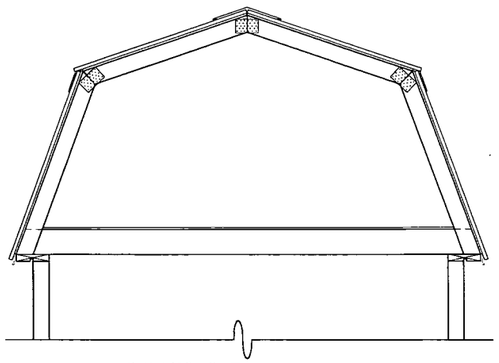
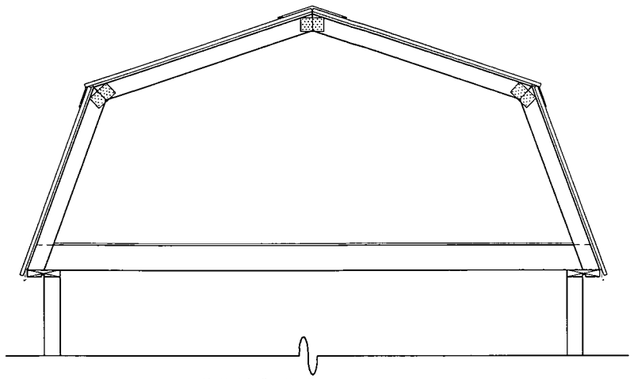


7'-11 1/2" WIDE
OPTIONAL METAL ROOF
CROSS SECTION
1 / A-10 SCALE: 3/8" = 1'-0"



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"

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ROOF SECTIONS

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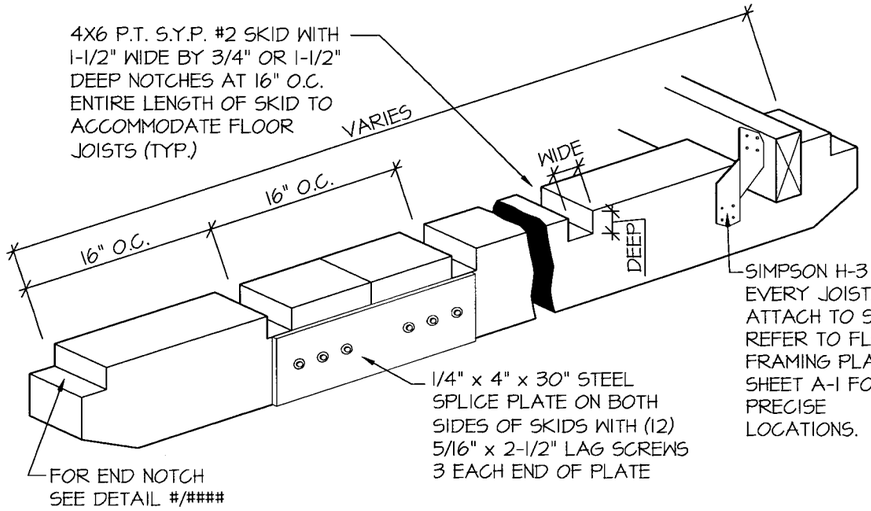

1 / A-11 ISOMETRIC SKID DETAIL
SCALE: N.T.S.

NOTE:
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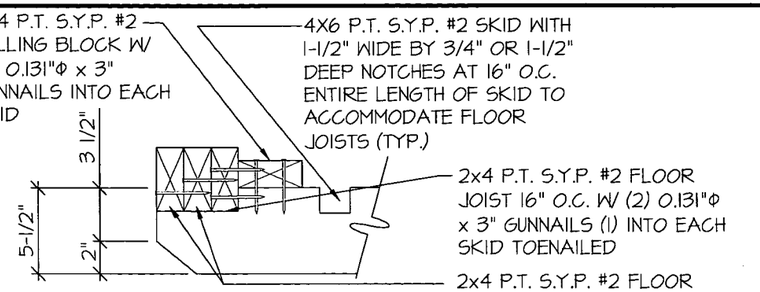
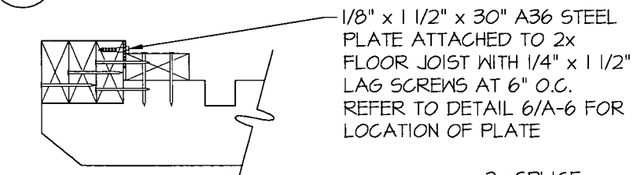


2 / A-10 END WALL JOISTS TYP. END OF SKID DETAIL
SCALE: 1 1/2" = 1'-0"



6 / A-10 11' WIDE WITH 8' WIDE DOOR END OF SKID 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"

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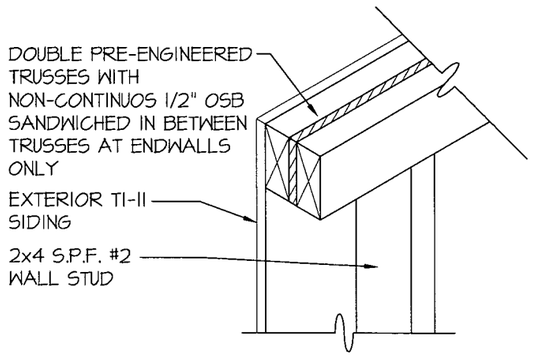

1 / A-12 DOUBLE TRUSS **DETAIL**
SCALE: 1 1/2" = 1'-0"

NOTE:
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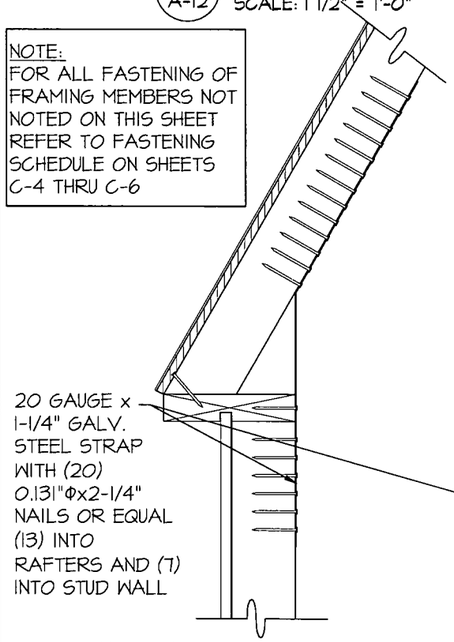
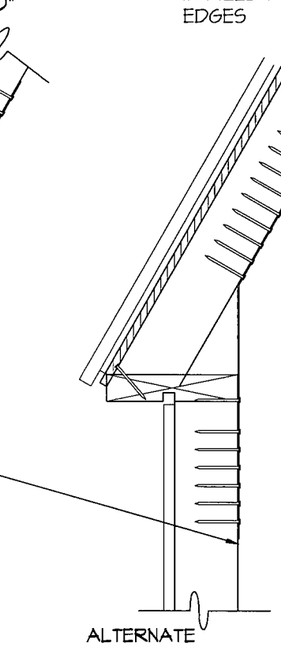
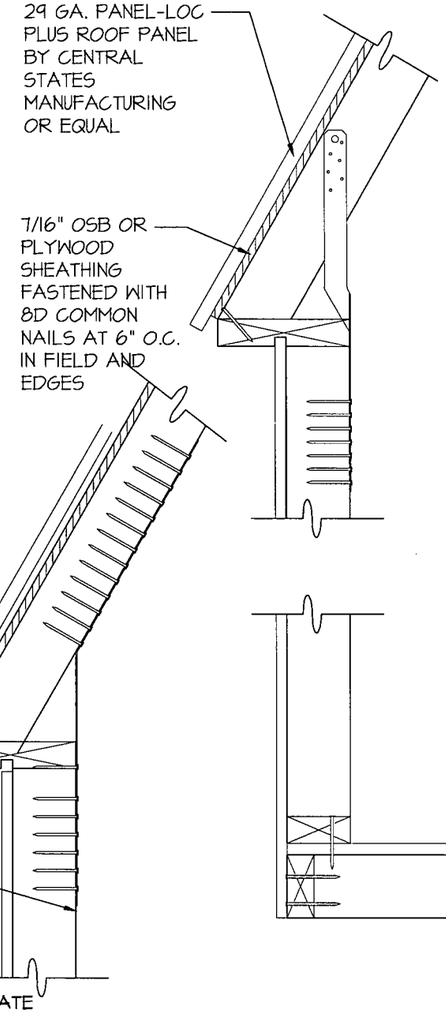


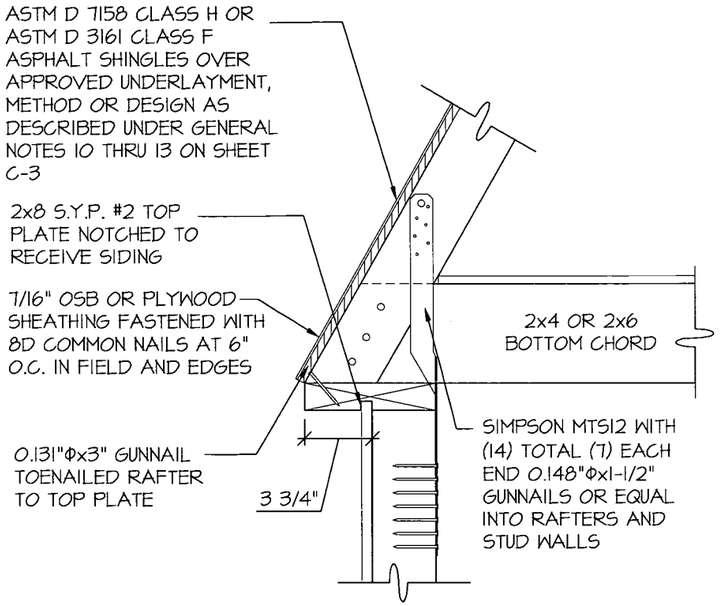
4 / A-12 ALTERNATE STANDARD BARN WALL STUD TO RAFTER **ROOF DETAIL**
SCALE: 1 1/2" = 1'-0"



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"



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

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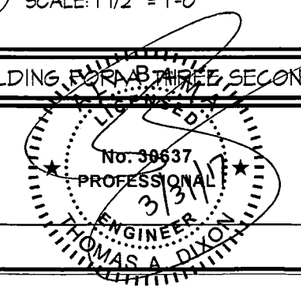

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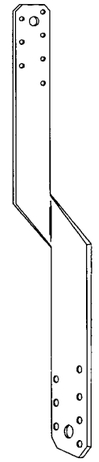

16 GAUGE GALVANIZED STEEL WITH
(14) TOTAL (7) EACH END
0.148"Φx1-1/2" NAILS OR EQUAL INTO
RAFTERS AND STUD WALLS

SIMPSON MTS12 OR
EQUAL TWIST STRAP

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

NOTE:
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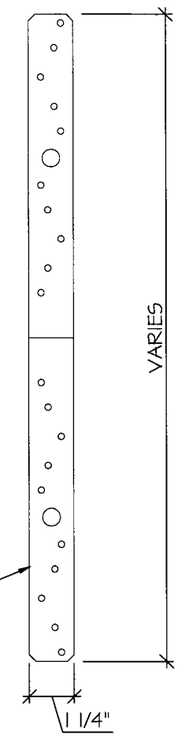
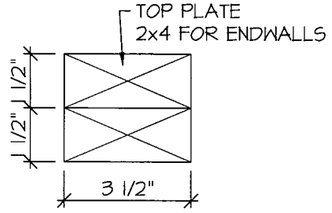


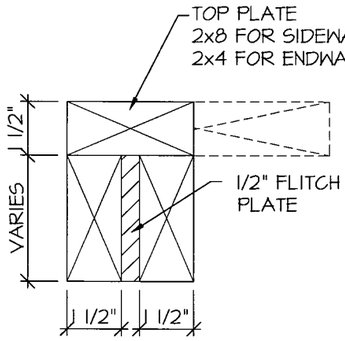
NOTE: USED ON EVERY WALL STUD TO CONNECT WALL TO ROOF

20 GAUGE x 1-1/4" GALV. STEEL STRAP WITH (20) 0.131"Φ x 2-1/4" NAILS OR EQUAL (13) INTO RAFTERS AND (7) INTO STUD WALL

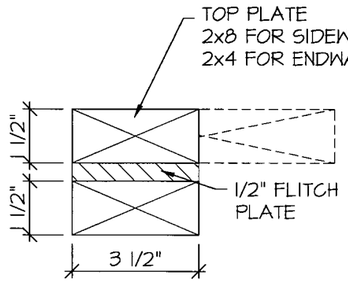
5 / A-13 **20 GAGE STRAP DETAIL**
SCALE: 3" = 1'-0"



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"

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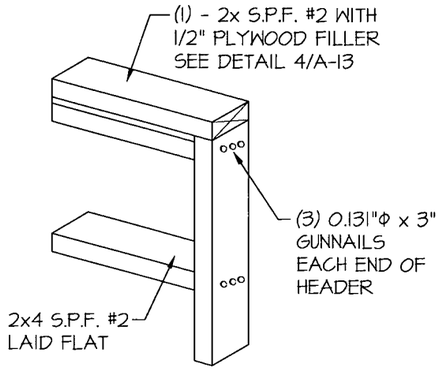
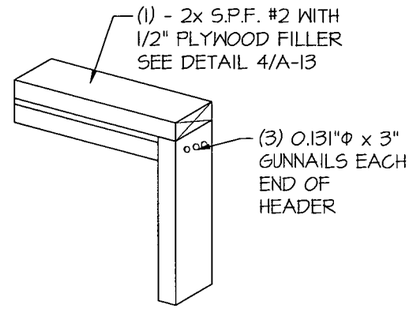
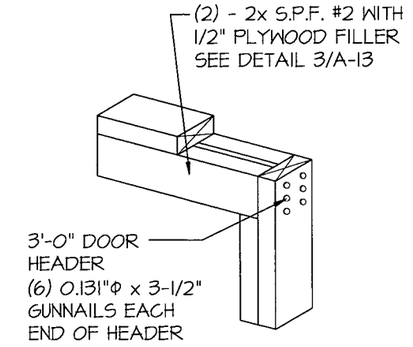


WINDOW HEADER AND SILL
1 / A-14 **DETAIL**
SCALE: N.T.S.

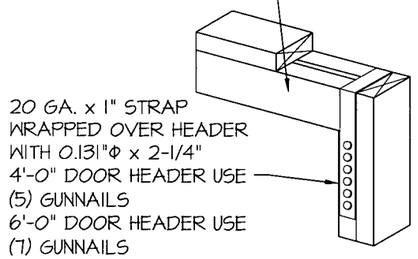


HEADER WITH OUT STRAP
2 / A-14 **DETAIL**
SCALE: N.T.S.

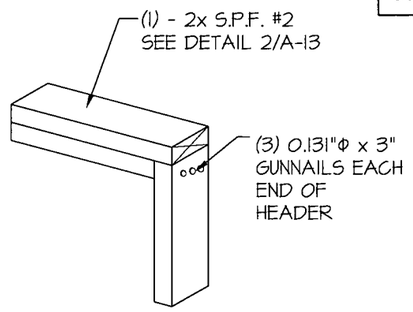


HEADER WITH OUT STRAP
3 / A-14 **DETAIL**
SCALE: N.T.S.

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



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



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

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 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	

DIXON ENGINEERIN, INC.
STRUCTURAL ENGINEERING AND INSPECTION - COA 8195
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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

DETAILS

STATE OF FLORIDA LICENSED No. 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/31/17

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
A-14
20 OF 28

ANCHORING GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DETAIL AND DIMENSIONS. ANY DISCREPANCIES BETWEEN SUCH DETAILS AND DIMENSIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION PROCEDURE AND SEQUENCE TO INSURE THE INTEGRITY OF THE BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION.
4. THESE PLANS HAVE BEEN PREPARED PER REGULATIONS OF THE 2014 FLORIDA BUILDING CODE. THE WORK OF ALL CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE AFOREMENTIONED CODE. NO DEVIATIONS FROM THE WORK SHOWN OR REASONABLY IMPLIED SHALL BE UNDERTAKEN WITHOUT THE ENGINEER'S WRITTEN CONSENT - A COPY OF WHICH WILL BE FILED WITH THE CONSTRUCTION OFFICIAL.
5. ANY CHANGES TO OR DEVIATIONS FROM THESE DRAWINGS SHALL NOT BE MADE WITHOUT WRITTEN CONSENT FROM THE ENGINEER.
6. THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE USED WITHOUT HIS CONSENT. DRAWINGS SHALL NOT BE USED FOR ISSUE OF BUILDING PERMIT UNLESS SIGNED AND SEALED BY THE ENGINEER.
7. 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. THE DRAWINGS SHOW THE GENERAL ARRANGEMENTS AND EXTENT OF THE WORK. AS THE WORK PROGRESSES, THE OWNER AND THE CONTRACTOR, AT NO EXTRA COSTS, SHALL MAKE MODIFICATIONS TO MAKE THE PARTS ALIGN.
8. ALL WORK AND MATERIALS SHALL MEET THE REQUIREMENTS OF LOCAL AND STATE CODES AND THE SPECS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS. CONTRACTORS SHALL CHECK AND VERIFY ALL PLAN DIMENSIONS AND CONDITIONS BEFORE PROCEEDING CONSTRUCTION. HE SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. THE DISCOVERY OF DISCREPANCIES AFTER THE BEGINNING OF WORK WILL BE EVIDENCE OF FAULTY WORK AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DO NOT SCALE DRAWINGS. ALL WRITTEN DIMENSIONS GOVERN.
9. THE CONTRACTOR FOR THIS PROJECT SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO COMPLETE THE TOTAL PROJECT. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL MATERIALS, TOOLS, EQUIPMENT, LABOR, MACHINERY, TRANSPORTATION, HEAT, WATER, UTILITIES, AND ALL OTHER FACILITIES AND SERVICES REQUIRED FOR THE SAFE AND PROPER EXECUTION AND COMPLETION OF THE WORK. THE ENGINEER SHALL BE THE INTERPRETER OF THE CONTRACT DOCUMENTS.
10. THE DOCUMENTS SHOW AN OVERVIEW OF THE WORK REQUIRED UNDER THIS CONTRACT AND RELATED REQUIREMENTS AND CONDITIONS THAT WILL IMPACT THE PROJECT. ALL DRAWINGS ARE COMPLIMENTARY. THE DRAWINGS GENERALLY SHOW THE INTENT OF THE OVERALL COMPLEXITY AND CONCEPTS OF THE PROJECT, AND DO NOT NECESSARILY SHOW ALL DETAILS AND CONDITIONS. ALL NEW INTERIOR CONCRETE SLABS AND FOUNDATION WALLS AND FOOTINGS SHALL HAVE SOIL POISONING UNDER NEW WORK AND SHALL BE INSTALLED BY A LICENSED CONTRACTOR.
11. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND DEPARTMENT OF AGRICULTURE, STRUCTURAL PEST CONTROL DIVISION REGULATIONS, RULES, DEFINITIONS AND REQUIREMENTS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND MAINTAINING ALL EXISTING SETBACKS, EASEMENTS, AND ANY DEED RESTRICTIONS.
13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEANUP AND SHALL INCLUDE THE SITE, AND THE BUILDING. THE ENTIRE PROJECT SHALL BE LEFT IN A NEW, CLEAN CONDITION.

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

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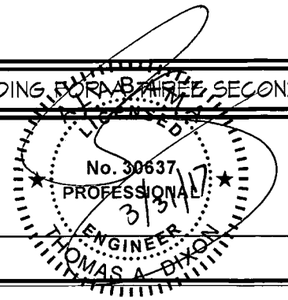
COOK PORTABLE WAREHOUSES
LOFTED BARN SHED
100 DOUGLAS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

ANCHOR GENERAL NOTES



DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
F-1
21 OF 28

MWFRS 160 MPH EXP. "B"				
ZONE	TABLE PRESSURE[1]	ADJUSTMENT FACTOR[2]	LOAD COMBINATION FACTOR[3]	WORKING PRESSURE (PSF)
A	49.8	1.0	0.6	29.9
B	13.3	1.0	0.6	8
E	-16.8	1.0	0.6	-10.1
F	-30.2	1.0	0.6	-18.1

MWFRS 130 MPH EXP. "B"				
ZONE	TABLE PRESSURE[1]	ADJUSTMENT FACTOR[2]	LOAD COMBINATION FACTOR[3]	WORKING PRESSURE (PSF)
A	32.8	1.0	0.6	19.7
B	8.8	1.0	0.6	5.3
E	-11.2	1.0	0.6	-6.7
F	-20.0	1.0	0.6	-12

MWFRS 110 MPH EXP. "B"				
ZONE	TABLE PRESSURE[1]	ADJUSTMENT FACTOR[2]	LOAD COMBINATION FACTOR[3]	WORKING PRESSURE (PSF)
A	23.5	1.0	0.6	14.1
B	6.3	1.0	0.6	3.8
E	-8.0	1.0	0.6	-4.8
F	-14.3	1.0	0.6	-8.6

NOTES:
1. SEE FIGURE 28.6-1 PAGE 303-305 IN ASCE7-10.
2. SEE FIGURE 28.6-1 PAGE 305 IN ASCE7-10.
3. SEE SECTION 2.4.1 IN ASCE7-10.
4. DESIGN PRESSURES SHOWN ARE BASED ON WORST CASE DESIGN CONDITIONS OF BUILDINGS FOR FOR WIND VELOCITIES PER 2014 F.B.C.

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING FOR A THREE SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

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WV# 071936 TX# 104353 MD# 40905
PA# 079009 VA# 045593
TN# 112761 FL# 34222

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COOK PORTABLE WAREHOUSES
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EXPOSURE B WIND CHARTS

STATE OF FLORIDA LICENSED No 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/30/17

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
F-2
22 OF 28

MWFRS 160 MPH EXP. "C"				
ZONE	TABLE PRESSURE[1]	ADJUSTMENT FACTOR[2]	LOAD COMBINATION FACTOR[3]	WORKING PRESSURE (PSF)
A	49.7	1.21	0.60	36.1
B	13.2	1.21	0.60	9.6
E	-16.8	1.21	0.60	-12.2
F	-30.2	1.21	0.60	-21.9

MWFRS 130 MPH EXP. "C"				
ZONE	TABLE PRESSURE[1]	ADJUSTMENT FACTOR[2]	LOAD COMBINATION FACTOR[3]	WORKING PRESSURE (PSF)
A	32.8	1.21	0.6	23.8
B	8.8	1.21	0.6	6.4
E	-11.2	1.21	0.6	-8.1
F	-20.0	1.21	0.6	-14.5

MWFRS 110 MPH EXP. "C"				
ZONE	TABLE PRESSURE[1]	ADJUSTMENT FACTOR[2]	LOAD COMBINATION FACTOR[3]	WORKING PRESSURE (PSF)
A	23.6	1.21	0.6	17.1
B	6.3	1.21	0.6	4.6
E	-8.0	1.21	0.6	-5.8
F	-14.3	1.21	0.6	-10.4

NOTES:
1. SEE FIGURE 28.6-1 PAGE 303-305 IN ASCE7-10.
2. SEE FIGURE 28.6-1 PAGE 305 IN ASCE7-10.
3. SEE SECTION 2.4.1 IN ASCE7-10.
4. DESIGN PRESSURES SHOWN ARE BASED ON WORST CASE DESIGN CONDITIONS OF BUILDINGS FOR FOR WIND VELOCITIES PER 2014 F.B.C.

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING FOR A 3 SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

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SC# 27592	NC# 035985	GA# 034371
WV# 071936	TX# 104353	MD# 40905
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TN# 112761	FL# 34222	

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PHONE: 1-229-241-8805

EXPOSURE C WIND CHARTS

LICENSED No. 30637 PROFESSIONAL ENGINEER THOMAS A. DIXON 3/30/17

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
F-3
23 OF 28

SCHEDULES FOR ANCHORS PLACED VERTICAL INTO GROUND

ANCHORING SCHEDULE FOR UP TO 110 MPH WIND SPEED, EXPOSURE "B"

BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11"	2	2	2	2	2	2	3	3	3	N.A.	N.A.	N.A.	N.A.
9'-11"	2	2	2	2	2	2	2	3	3	3	3	3	N.A.
11'-0"	2	2	2	2	2	2	2	2	3	3	3	3	3

ANCHORING SCHEDULE FOR 111 TO 130 MPH WIND SPEED, EXPOSURE "B"

BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11"	2	2	2	2	2	2	3	3	3	N.A.	N.A.	N.A.	N.A.
9'-11"	2	2	2	2	2	2	2	3	3	3	3	3	N.A.
11'-0"	2	2	2	2	2	2	2	2	3	3	3	3	3

ANCHORING SCHEDULE FOR 131 TO 160 MPH WIND SPEED, EXPOSURE "B"

BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11"	3	3	3	3	4	4	4	4	5	N.A.	N.A.	N.A.	N.A.
9'-11"	2	3	3	3	3	4	4	4	4	5	5	5	N.A.
11'-0"	2	3	3	3	3	4	4	4	4	5	5	5	5

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 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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VALDOSTA, GA 31601
PHONE: 1-229-241-8805

EXPOSURE B ANCHORING CHARTS

LICENSED No. 30637 PROFESSIONAL 3/31/17 ENGINEER THOMAS A. DIXON

DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
F-4
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SCHEDULES FOR ANCHORS PLACED VERTICAL INTO GROUND

ANCHORING SCHEDULE FOR UP TO 110 MPH WIND SPEED, EXPOSURE "C"

BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11"	2	2	2	2	3	3	3	3	3	N.A.	N.A.	N.A.	N.A.
9'-11"	2	2	2	2	2	3	3	3	3	3	3	3	N.A.
11'-0"	2	2	2	2	2	3	3	3	3	3	3	3	3

ANCHORING SCHEDULE FOR 111 TO 130 MPH WIND SPEED, EXPOSURE "C"

BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11"	2	3	3	3	3	3	4	4	4	N.A.	N.A.	N.A.	N.A.
9'-11"	2	2	3	3	3	3	3	4	4	4	4	4	N.A.
11'-0"	2	2	3	3	3	3	3	3	4	4	4	4	4

ANCHORING SCHEDULE FOR 131 TO 160 MPH WIND SPEED, EXPOSURE "C"

BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11"	2	3	3	3	4	4	4	5	5	N.A.	N.A.	N.A.	N.A.
9'-11"	2	3	3	3	3	4	4	4	5	5	5	6	N.A.
11'-0"	2	2	3	3	3	4	4	4	5	5	5	5	6

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, BUILDING FOR A 3 SECOND GUST OF 160 MPH.

THOMAS A. DIXON, P.E.

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PA# 079009 VA# 045543
TN# 112761 FL# 34222

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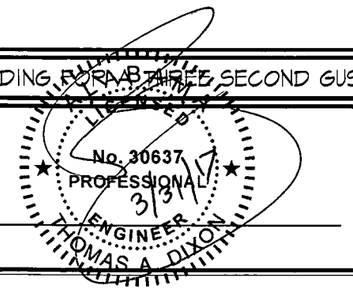
EXPOSURE C ANCHORING CHARTS



DATE:	3/30/17
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SHEET
F-5
25 OF 28

GROUND ANCHOR SCHEDULE

MODEL #	PART #	DESCRIPTION	SOIL CLASS
MI2H5/8	59080 / 59081	48" x 5/8" ROD WITH (1) 6" HELIX	4A
MI2H3/4	59085 / 59094	48" x 3/4" ROD WITH (1) 6" HELIX	4A
MI423/4	59128	42" x 3/4" ROD WITH (2) 4" HELIX	4A
MI483/4	59086	48" x 3/4" ROD WITH (2) 4" HELIX	4A
MI2H64	59250	36" x 3/4" ROD WITH (1) 4" HELIX, AND (1) 6" HELIX	4A
N/A	59065	EYE ANCHOR - 48" x 5/8" WITH (1) 6" HELIX	4A
N/A	59045	EYE ANCHOR - 48" x 3/4" WITH (1) 6" HELIX	4A
M607	59099	60" x 3/4" WITH (1) 7" HELIX	4B
N/A	59040	EYE ANCHOR - 60" x 3/4" WITH (1) 8" HELIX	4B

NOTE:
1. ALL APPROVED ANCHORS LISTED ABOVE ARE MANUFACTURED BY TIE DOWN ENGINEERING.
2. THE CONTRACTOR MAY USE AN APPROVED EQUIVALENT WITH APPROVAL FORM THE EOR.

AREA FOR APPROVAL STAMPS

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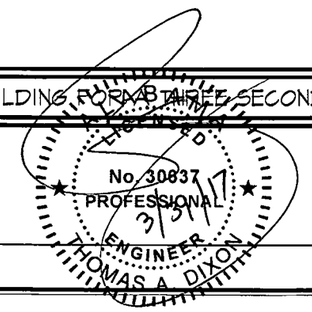
GROUND ANCHOR SCHEDULE



DATE:	3/30/17
DRAWN BY:	CNO
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SCALE:	AS NOTED
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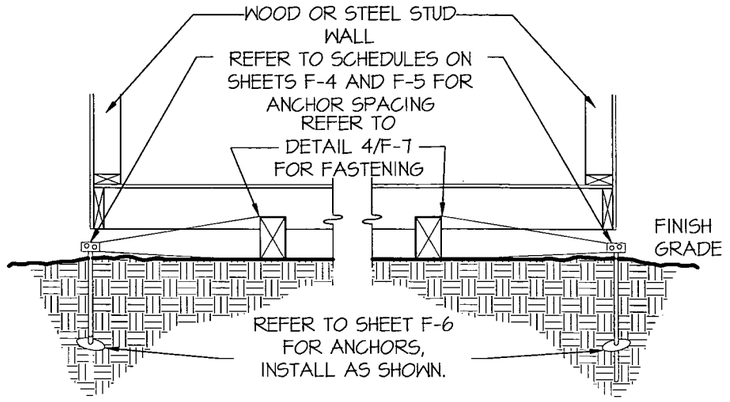
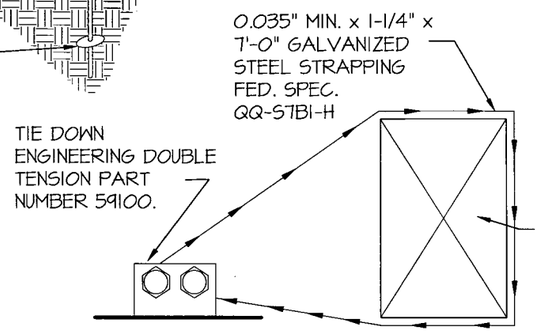
SHEET
F-6
26 OF 28

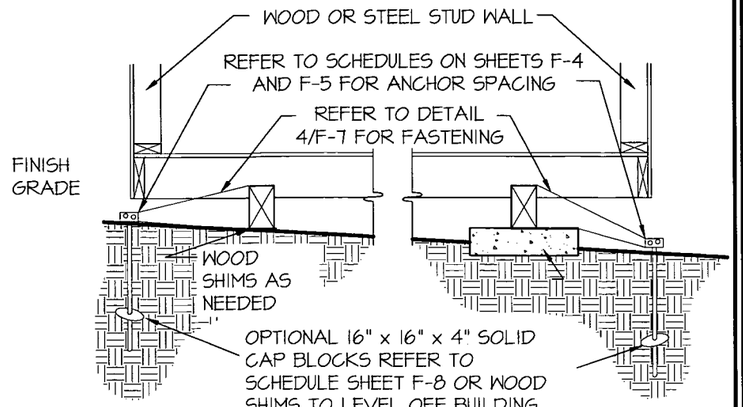


ALL SKIDS ON GRADE VERTICAL ANCHOR
1 / F-7 **SECTION**
SCALE: N.T.S.

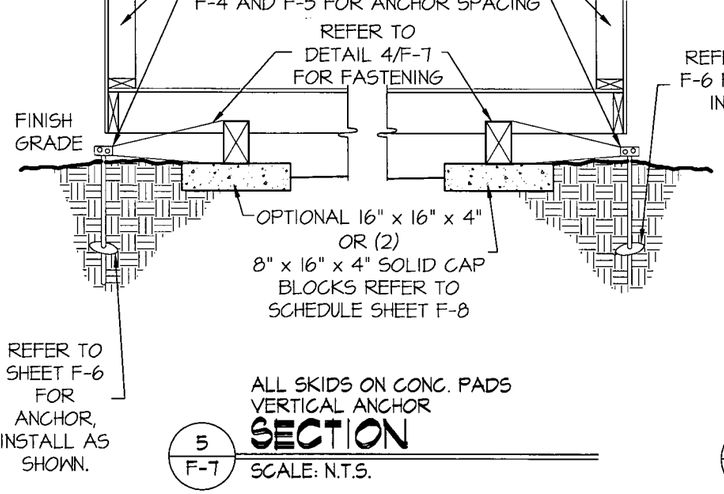
NOTE:
SHIMS MAY BE PLACED UNDER SKIDS IN ORDER TO LEVEL THE BUILDING.



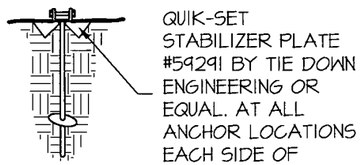
STRAP TO SKID
4 / F-7 **DETAIL**
SCALE: N.T.S.



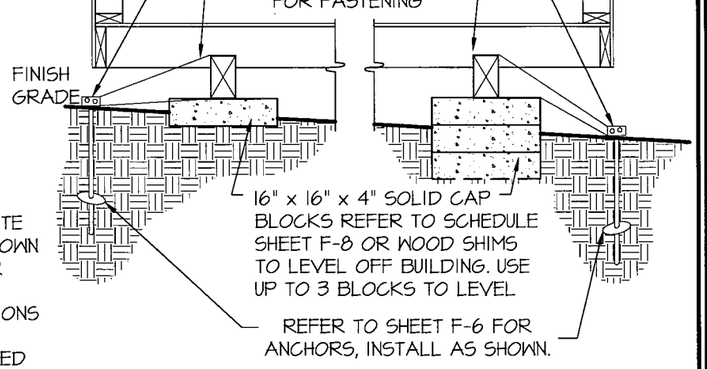
SKIDS ON GRADE & CONC. PADS VERTICAL ANCHOR UN-LEVEL GROUND
2 / F-7 **SECTION**
SCALE: N.T.S.



ALL SKIDS ON CONC. PADS VERTICAL ANCHOR
5 / F-7 **SECTION**
SCALE: N.T.S.



STABILIZER PLATE
3 / F-7 **OPTIONAL DETAIL**
SCALE: N.T.S.



ALL SKIDS ON CONC. PADS VERTICAL ANCHOR UN-LEVEL GROUND
6 / F-7 **SECTION**
SCALE: N.T.S.

AREA FOR APPROVAL STAMPS

REV	BY	DATE	DESCRIPTION

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH THE 2015 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	

DIXON ENGINEERIN, INC.
STRUCTURAL ENGINEERING AND INSPECTION - COA 8195
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COOK PORTABLE WAREHOUSES
LOFTED BARN SHED
100 DOUGLAS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

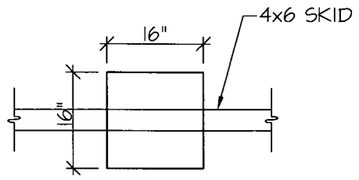
ANCHORING DETAILS

REGISTERED LICENSED No. 30637 PROFESSIONAL 3/31/17 ENGINEER THOMAS A. DIXON

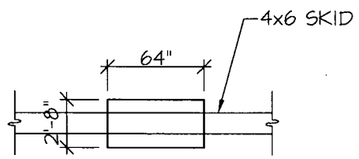
DATE:	3/30/17
DRAWN BY:	CNO
CHECKED BY:	TAD
SCALE:	AS NOTED
W.O. NO:	495-075

SHEET
F-7
27 OF 28

NOTE:
1. CONCRETE PADS ARE OPTIONAL.
2. DIMENSIONS SHOWN ARE NOMINAL.
3. ANCHORS ARE REQUIRED MIN. (4) PER BUILDING, (1) AT EACH CORNER SHEARWALL (SW#).
4. REFER TO SCHEDULES ON SHEET F-4 & F-5 FOR ANCHOR SPACING AND SCHEDULES ON THIS SHEET FOR OPTIONAL PAD LOCATION.
5. SPACE OPTIONAL PADS EQUALLY.



1 / F-8 — 16x16 NOMINAL PAD DETAIL
SCALE: N.T.S.



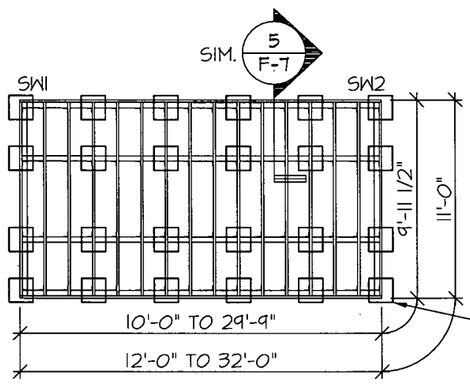
2 / F-8 — 8x16 NOMINAL PAD DETAIL
SCALE: N.T.S.

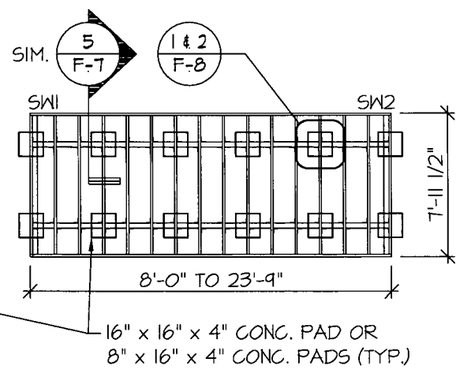
16" x 8" x 4" PAD SCHEDULE FOR ALL WIND SPEEDS, EXPOSURES, AND 40 PSF FLOOR LOAD

BLDG WIDTH		NUMBER OF PADS REQUIRED BY BUILDING LENGTH UNDER EACH SKID												
		8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
SINGLE WIDE UNITS	7'-11"	3	3	4	4	4	5	5	5	6	N.A.	N.A.	N.A.	N.A.
	9'-11"	2	3	3	3	3	4	4	4	4	4	5	5	N.A.
	11'-0"	3	3	3	3	4	4	4	4	5	5	5	6	6

16" x 16" x 4" PAD SCHEDULE FOR ALL WIND SPEEDS, EXPOSURES, AND 40 PSF FLOOR LOAD

BLDG WIDTH		NUMBER OF PADS REQUIRED BY BUILDING LENGTH UNDER EACH SKID												
		8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
SINGLE WIDE UNITS	7'-11 1/2"	2	2	3	3	3	3	3	3	4	N.A.	N.A.	N.A.	N.A.
	9'-11 1/2"	2	2	2	2	2	3	3	3	3	3	3	3	N.A.
	11'-0"	2	2	2	2	3	3	3	3	3	3	3	4	4





3 / F-8 — BLOCKING PLAN
SCALE: N.T.S.

EXAMPLE DRAWING IS 20'-0" IN LENGTH

AREA FOR APPROVAL STAMPS

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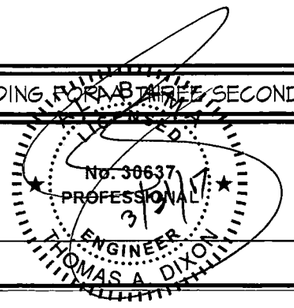
OPTIONAL PAD DETAILS



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SHEET
F-8
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