

COOK PORTABLE WAREHOUSES

100 DOUGLAS STREET
VALDOSTA, GA 31601

MASTER ANCHORING PLANS FOR THE STATE OF FLORIDA

GENERAL NOTES

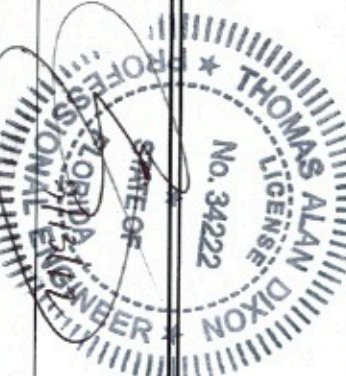
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DETAIL AND DIMENSIONS. ANY DISCREPANCIES BETWEEN SUCH DETAILS AND DIMENSIONS SHALL BE REPORTED TO THE ENGINEER PRIOR 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 2010 FLORIDA BUILDING CODE. THE WORK OF ALL CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE ABOVE-MENTIONED 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 COMPLEMENTARY. THE DRAWINGS GENERALLY SHOW THE INTENT OF THE OVERALL COMPLETENESS 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. 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.

SHEET INDEX

SHEET NUMBER	SHEET TITLE
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A-7	ANCHORING DETAILS
A-8	ANCHORING DETAILS
A-9	OPTIONAL PAD DETAILS

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COOK PORTABLE WAREHOUSES

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PHONE: 1-224-241-8805

COVER SHEET

REV BY DATE

DATE: 3/13/12

SHEET

C-1

1 of 10

MUERS 160 MPH EXP. "B"

ZONE	TABLE PRESSURE ¹	ADJUSTMENT FACTOR ²	LOAD COMBINATION FACTOR ³	WORKING PRESSURE (PSF)
A	54.12	1.0	0.6	32.5
B	-15.64	1.0	0.6	-4.4
E	-48.8	1.0	0.6	-29.3
F	-33.16	1.0	0.6	-19.9

MUERS 130 MPH EXP. "B"

ZONE	TABLE PRESSURE ¹	ADJUSTMENT FACTOR ²	LOAD COMBINATION FACTOR ³	WORKING PRESSURE (PSF)
A	35.14	1.0	0.6	21.5
B	-10.36	1.0	0.6	-6.3
E	-32.2	1.0	0.6	-19.4
F	-21.84	1.0	0.6	-13.1

MUERS 110 MPH EXP. "B"

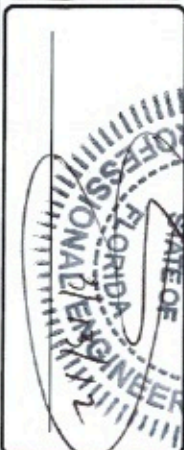
ZONE	TABLE PRESSURE ¹	ADJUSTMENT FACTOR ²	LOAD COMBINATION FACTOR ³	WORKING PRESSURE (PSF)
A	25.6	1.0	0.6	15.4
B	-1.4	1.0	0.6	-4.5
E	-23.1	1.0	0.6	-13.9
F	-15.64	1.0	0.6	-9.4

NOTES:

- SEE FIGURE 28.6-1 PAGE 303-305 IN ASCET-10
- SEE FIGURE 28.6-1 PAGE 305 IN ASCET-10
- SEE SECTION 2.4.1 IN ASCET-10
- DESIGN PRESSURES SHOWN ARE BASED ON WORST CASE DESIGN CONDITIONS OF BUILDINGS FOR FOR WIND VELOCITIES PER 2010 F.B.C.

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REV	BY	DATE

DATE	3/15/12
DRN BY:	JDA
CHK BY:	TAD
SCALE:	AS NOTED
PRO. NO.	445-063

SHEET
A-1
2 of 10

MURS 160 MPH EXP. "C"

ZONE	TABLE PRESSURE ¹	ADJUSTMENT FACTOR ²	LOAD COMBINATION FACTOR ³	WORKING PRESSURE (PSF)
A	54.12	1.21	0.6	34.4
B	-15.64	1.21	0.6	-11.4
E	-48.8	1.21	0.6	-35.5
F	-33.16	1.21	0.6	-24.1

MURS 130 MPH EXP. "C"

ZONE	TABLE PRESSURE ¹	ADJUSTMENT FACTOR ²	LOAD COMBINATION FACTOR ³	WORKING PRESSURE (PSF)
A	35.74	1.21	0.6	26.1
B	-10.36	1.21	0.6	-1.7
E	-32.2	1.21	0.6	-23.5
F	-21.84	1.21	0.6	-15.9

MURS 110 MPH EXP. "C"

ZONE	TABLE PRESSURE ¹	ADJUSTMENT FACTOR ²	LOAD COMBINATION FACTOR ³	WORKING PRESSURE (PSF)
A	25.6	1.21	0.6	18.7
B	-1.4	1.21	0.6	-5.5
E	-23.1	1.21	0.6	-16.9
F	-15.64	1.21	0.6	-11.4

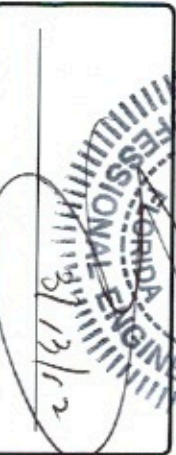
- NOTES:
- SEE FIGURE 28.6-1 PAGE 303-305 IN ASCE 5.1-10
 - SEE FIGURE 28.6-1 PAGE 305 IN ASCE 5.1-10
 - SEE SECTION 2.4.1 IN ASCE 5.1-10
 - DESIGN PRESSURES SHOWN ARE BASED ON DESIGN CONDITIONS OF BUILDINGS FOR WIND VELOCITIES PER 2010 F.B.C.

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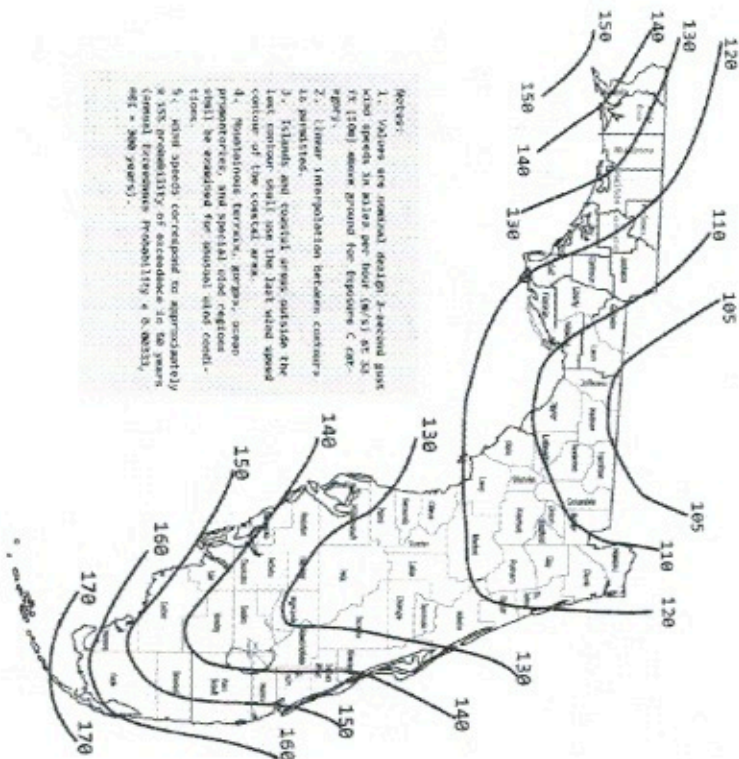
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EXP. "C" WIND CHARTS

REV	BY	DATE

DATE: 3/8/12
DRN BY: JDA
CHK BY: TAD
SCALE: AS NOTED
MO. NO. 445-063

SHEET
A-2
3 of 10



- NOTES:
1. Values are nominal design 3-second gust wind speeds in miles per hour (MPH) at 33 ft (10m) above ground for Exposure C (category).
 2. Linear interpolation between contours.
 3. Islands and coastal areas outside the lower contour shall use the last wind speed value of the coastal area.
 4. Mountainous terrain, bays, river, and other features, and special risk regions shall be examined for special wind conditions.
 5. Actual speeds correspond to approximately a 30% probability of exceedance in 50 years (annual exceedance probability = 0.002).

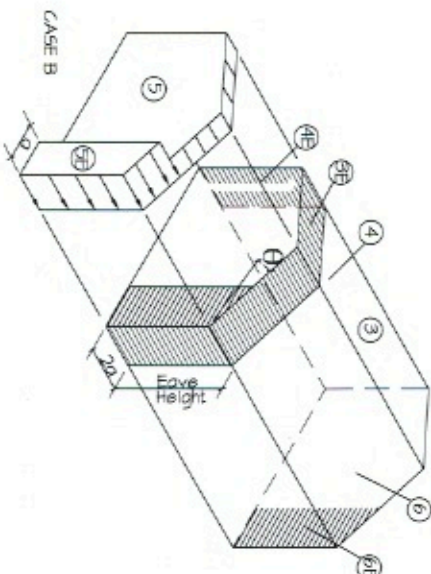
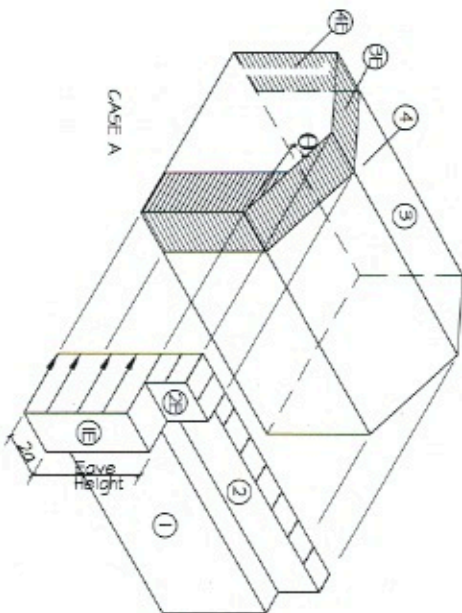
FIGURE 16-10. ULTIMATE DESIGN WIND SPEEDS, V_U, FOR MIX CATEGORY BUILDINGS

15-18

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WIND LOAD MAIN WIND FORCE
PRESSURE DIAGRAMS

COOK PORTABLE WAREHOUSES

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EXP. "C" WIND CHARTS

REV BY DATE

DATE: 3/13/12

SHEET

A-3

4 of 10

SCHEDULES FOR ANCHORS PLACED VERTICAL INTO GROUND

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

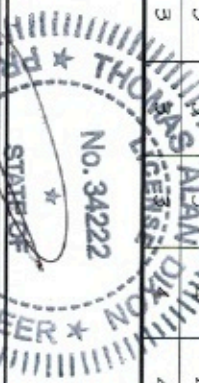
BLDG WIDTH	NUMBER OF ANCHORS EACH SIDE												
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11 1/2"	2	2	2	3	3	3	3	3	3	N.A.	N.A.	N.A.	N.A.
9'-11 1/2"	2	2	2	2	2	2	3	3	3	3	3	3	N.A.
11'-0"	2	2	2	2	2	2	3	3	3	3	3	3	3

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 1/2"	2	2	2	3	3	3	3	4	4	N.A.	N.A.	N.A.	N.A.
9'-11 1/2"	2	2	2	2	2	3	3	3	3	3	3	4	N.A.
11'-0"	2	2	2	2	2	2	3	3	3	3	3	3	4

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"
T-11 1/2"	3	3	4	4	4	5	5	6	6	N.A.	N.A.	N.A.	N.A.
9'-11 1/2"	3	3	3	4	4	4	4	5	5	5	5	6	N.A.
11'-0"	3	3	3	4	4	4	4	4	5	5	5	6	6



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REV BY DATE

DATE: 3/13/12
DRN BY: JDA
CHK BY: TAD
SCALE: AS NOTED
NO. NO: 445-063

SHEET

A-4

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SCHEDULES FOR ANCHORS PLACED VERTICAL INTO GROUND

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

BLDG	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"	
WIDTH														
T ¹ -11 1/2"	2	2	3	3	3	3	3	4	4	N.A.	N.A.	N.A.	N.A.	
q ¹ -11 1/2"	2	2	2	2	3	3	3	3	3	3	3	4	N.A.	
11'-0"	2	2	2	2	3	3	3	3	3	3	3	4	4	

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"	
T-11 1/2"	3	3	3	4	4	4	4	5	5	N.A.	N.A.	N.A.	N.A.	
9'-11 1/2"	2	3	3	3	3	3	4	4	4	4	4	5	N.A.	
11'-0"	2	3	3	3	3	3	4	4	4	4	4	5	5	

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

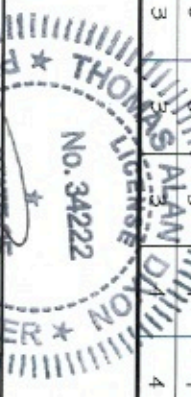
BLDG		NUMBER OF ANCHORS EACH SIDE													
WIDTH		8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"	
7'-11 1/2"	3	3	4	4	5	5	6	6	6	6	N.A.	N.A.	N.A.	N.A.	
9'-11 1/2"	2	3	3	3	4	4	4	4	5	5	5	6	6	N.A.	
11'-0"	2	3	3	3	4	4	4	4	5	5	5	6	6	6	

AL# 30657
SC# 27542
NW# 071906
PA# 071904
TN# 112361
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MA# 40405

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EXP. 'C' ANCHOR CHARTS

DATE: 3/8/12
DRN BY: JDA
CHK BY: TAD
SCALE: AS NOTED
MO. NO. 495-063

SHEET
A-5
6 of 10

GROUND ANCHOR SCHEDULE			
MODEL #	PART #	DESCRIPTION	SOIL CLASS
M12H5/8	54080 / 54081	48" x 5/8" ROD WITH (1) 6" HELIX	4A
M12H3/4	54085 / 54094	48" x 3/4" ROD WITH (1) 6" HELIX	4A
M1423/4	54128	42" x 3/4" ROD WITH (2) 4" HELIX	4A
M14B3/4	54086	48" x 3/4" ROD WITH (2) 4" HELIX	4A
M12H6/4	54250	36" x 3/4" ROD WITH (1) 4" HELIX, AND (1) 6" HELIX	4A
N/A	54065	EYE ANCHOR - 48" x 5/8" WITH (1) 6" HELIX	4A
N/A	54045	EYE ANCHOR - 48" x 3/4" WITH (1) 6" HELIX	4A
M607	54099	60" x 3/4" WITH (1) 7" HELIX	4B
N/A	54040	EYE ANCHOR - 60" x 3/4" WITH (1) 8" HELIX	4B

NOTE:

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

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GROUND ANCHOR SCHEDULE

REV BY DATE

DATE: 3/13/12

DRN BY: JDA

CHK BY: TAD

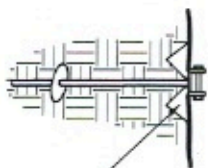
SCALE: AS NOTED

MO. NO: 445-063

SHEET

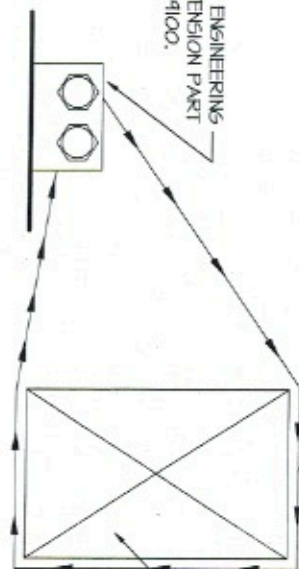
A-6

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QUICK-SET STABILIZER PLATE #54291 BY
THE DOWN ENGINEERING OR EQUAL, AT
ALL ANCHOR LOCATIONS EACH SIDE OF
SHEED, IF REQUIRED

THE DOWN ENGINEERING—
DOUBLE TENSION PART
NUMBER 59100.



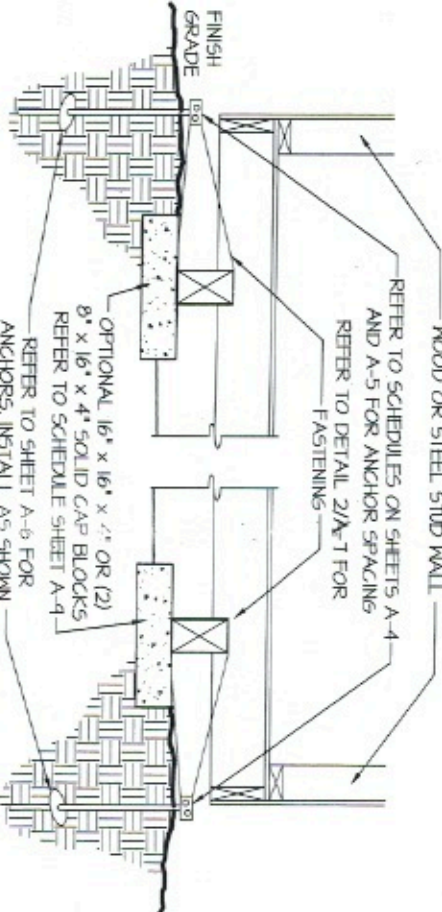
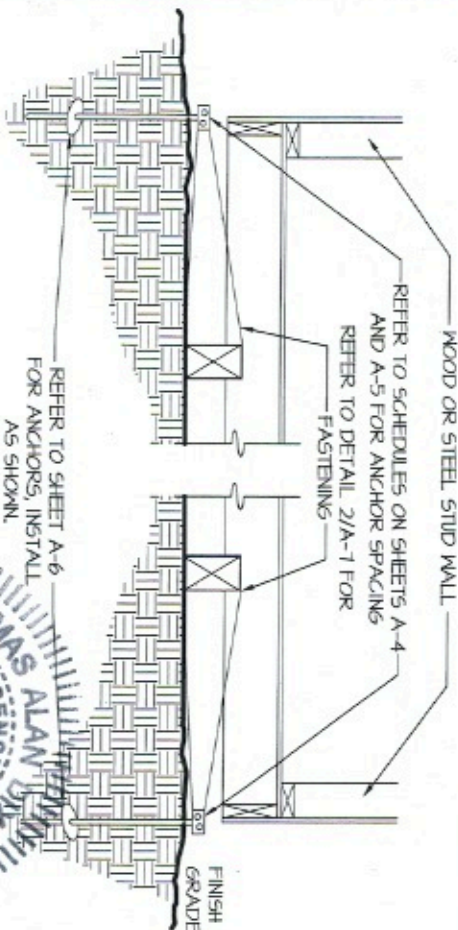
0.035" MIN. x 1-1/4" x 7'-0"
GALVANIZED STEEL
STRAPPING FED. SPEC.
QQ-5-TB1-H

BUILDING SKID REFER TO
BUILDING PLANS FOR SIZE,
LENGTH, AND LOCATION

1 A-7 SCALE: N.T.S. STABILIZER PLATE OPTIONAL DETAIL

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

2 A-7 SCALE: N.T.S. STRAP TO SKID DETAIL



3 A-7 SCALE: N.T.S. ALL SKIDS ON GRADE VERTICAL ANCHOR SECTION

4 A-7 SCALE: N.T.S. ALL SKIDS ON CONC. PADS VERTICAL ANCHOR SECTION

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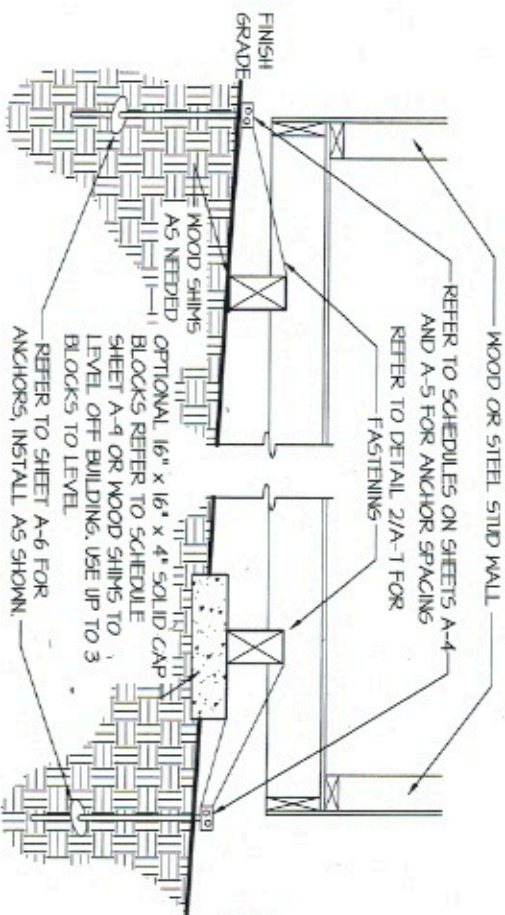
ANCHORING DETAILS

REV BY DATE
DATE: 3/13/12
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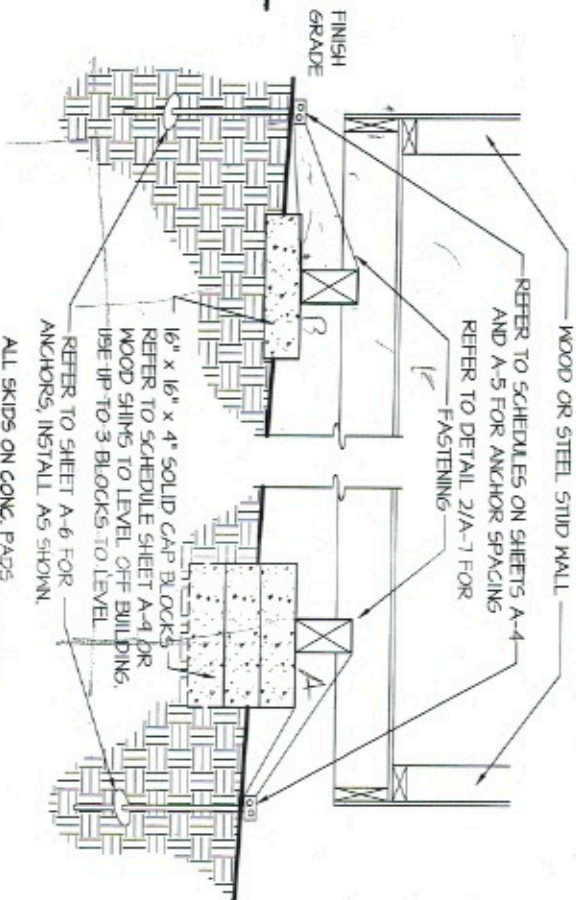
SHEET

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1
A-8
SCALE: N.T.S.
SKIDS ON GRADE & CONC. PADS
VERTICAL ANCHOR IN LEVEL GROUND
SECTION

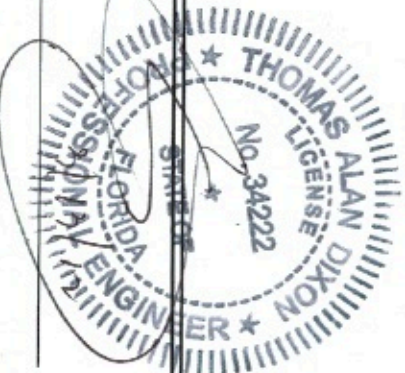


2
A-8
SCALE: N.T.S.
ALL SKIDS ON CONC. PADS
VERTICAL ANCHOR IN UNEVEN GROUND
SECTION

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WA# 071936 FL# 34222
PA# 071901 KS# 21118
TN# 112761 GA# 034371
MS# 19034 WA# 40305
NC# 035105

DIXON ENGINEERING, INC.
STRUCTURAL ENGINEERING AND
INSPECTION - COA 895
10410 MAIN STREET
THOMASVILLE, GA 31792
VOICE: 813-482-4805
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COOK PORTABLE WAREHOUSES

MASTER ANCHORING PLAN
100 DOWNS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8905

ANCHORING DETAILS

REV BY DATE

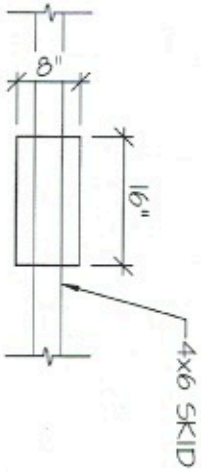
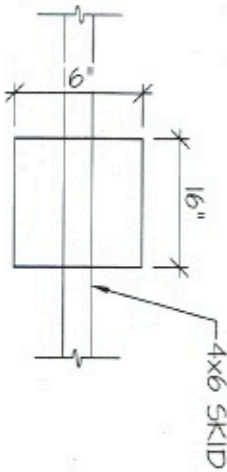
DATE: 3/13/12
DRN BY: JDA
CHK BY: TAD
SCALE: AS NOTED
MO. NO: 445-003

SHEET

A-8

4 of 10

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

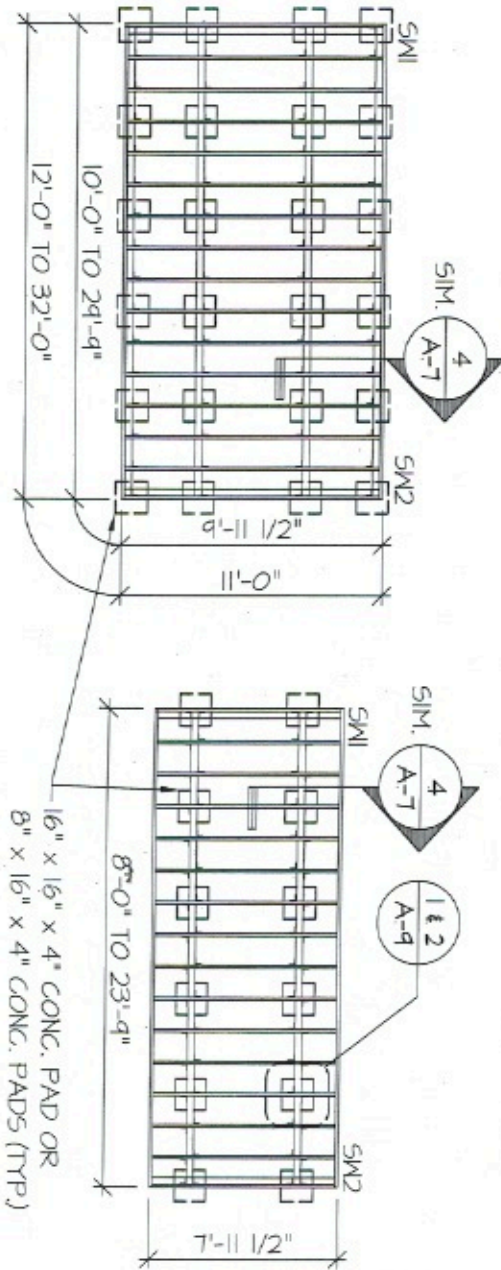


16" x 8" x 4" PAD SCHEDULE FOR ALL WIND SPEEDS, EXPOSURES, AND 40 PSF FLOOR LOAD

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"	32'-0"
SINGLE WIDE UNITS	3	3	4	4	4	5	5	6	6	N.A.	N.A.	N.A.
8'-11 1/2"	2	3	3	3	3	4	4	4	4	5	5	N.A.
11'-0"	3	3	3	3	4	4	4	4	5	5	5	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"	32'-0"
SINGLE WIDE UNITS	2	2	3	3	3	3	3	3	4	N.A.	N.A.	N.A.
8'-11 1/2"	2	2	2	2	2	3	3	3	3	3	3	N.A.
11'-0"	2	2	2	2	3	3	3	3	3	3	3	4

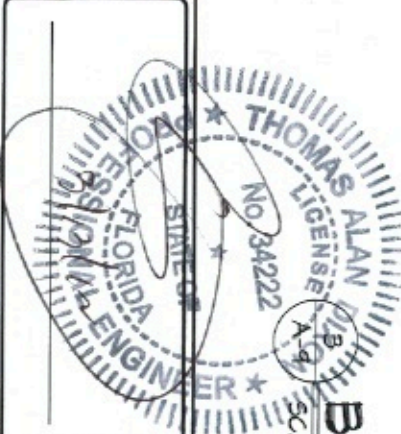


BLOCKING PLAN

EXAMPLE DRAWING IS 20'-0" IN LENGTH

2
A-4
SCALE: N.T.S.

THOMAS A. DIXON, P.E.
TRA 104353
SCA 21592
VMA 05693
NVA 07166
PAE 07166
TNE 11761
HSA 11034
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COOK PORTABLE WAREHOUSES
MASTER ANCHORING PLAN
100 DOUGLAS STREET
VALDOSTA, GA 31601
PHONE: 1-229-241-8805

REV	BY	DATE

DATE	3/3/12
DRAWN BY	JDA
CHECK BY	TAD
SCALE	AS NOTED
W.O. NO.	445-063

SHEET
A-4
10 of 10