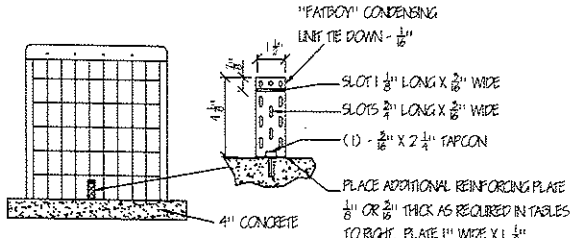
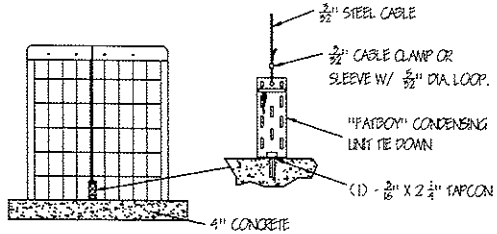


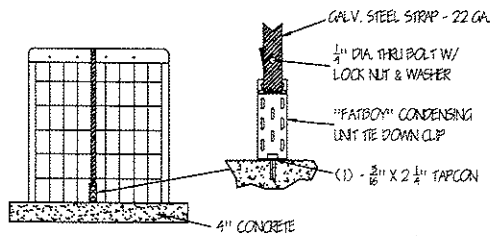
"FATBOY" INSTALLATION GUIDE

NOTE: THIS DETAIL IS A GRAPHICAL REPRESENTATION OF THE CLIP FORM. SEE TABLES FOR PROPER NUMBER OF ATTACHMENTS PER SIDE ACCORDING TO HEIGHT OF INSTALLATION AND TYPE OF ATTACHMENT



"FATBOY" CABLE INSTALLATION GUIDE

NOTE: THIS DETAIL IS A GRAPHICAL REPRESENTATION OF THE CLIP FORM. SEE TABLES FOR PROPER NUMBER OF ATTACHMENTS PER SIDE ACCORDING TO HEIGHT OF INSTALLATION AND TYPE OF ATTACHMENT



"FATBOY" STRAP INSTALLATION GUIDE

NOTE: THIS DETAIL IS A GRAPHICAL REPRESENTATION OF THE CLIP FORM. SEE TABLES FOR PROPER NUMBER OF ATTACHMENTS PER SIDE ACCORDING TO HEIGHT OF INSTALLATION AND TYPE OF ATTACHMENT

NOTE: SEE TABLES FOR WIND VELOCITY AND HEIGHT OF INSTALLATION ABOVE GROUND. ALSO SEE TABLES FOR CONNECTOR TYPE WHEN ATTACHING TO ALUMINUM OR STEEL.

△2

1/8" ADDITIONAL PLATE	146 MPH WIND VELOCITY TABLE OF STRAPPING A/C UNITS NUMBER OF STRAPS / CLIPS OR CABLES PER SIDE		
HEIGHT ABOVE GROUND IN FT.	CONNECTION TO CONCRETE	CONNECTION TO ALUMINUM	CONNECTION TO STEEL
0-15'	2	2	2
20'	2	2	2
25'	2	2	2
30'	2	2	2
40'	2	2	2
50'	2	2	2
60'	2	2	2
2/16" ADDITIONAL PLATE			
0-15'	2	2	2
20'	2	2	2
30'	2	2	2
40'	2	2	2
50'	2	2	2
60'	2	2	2

△2

1/8" ADDITIONAL PLATE	150 MPH WIND VELOCITY TABLE OF STRAPPING A/C UNITS NUMBER OF STRAPS / CLIPS OR CABLES PER SIDE		
HEIGHT ABOVE GROUND IN FT.	CONNECTION TO CONCRETE	CONNECTION TO ALUMINUM	CONNECTION TO STEEL
0-15'	2	2	2
20'	2	2	2
25'	2	2	2
30'	2	2	2
40'	3	3	3
50'	3	3	3
60'	3	3	3
2/16" ADDITIONAL PLATE			
0-15'	2	2	2
20'	2	2	2
30'	2	2	2
40'	2	2	2
50'	2	2	2
60'	2	2	2

△2

TABLE OF DIRECT ATTACHMENT TO UNIT SHELL

1/8" ADDITIONAL PLATE HT. ABOVE GROUND	146 MPH NO. OF #10 SCREWS SELF DRILLING SCREWS	150 MPH NO. OF #10 SCREWS SELF-DRILLING SCREWS	
0 - 15'	2	2	
20'	2	3	
25'	2	3	
30'	2	3	
40'	3	3	
50'	3	3	
60'	3	3	

NOTES:

1) ALL SCREWS SHALL BE NUMBER EA. CLIP.
2) FOR 146 MPH AND 150 MPH THERE SHALL BE A MIN. OF TWO CLIPS PER SIDE OF UNIT.
3) ALL SCREWS SHALL BE STAINLESS STEEL AND BE A MAXIMUM OF 1/2" LENGTH, FULL PENETRATION IN HOUSING.

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GENERAL NOTES:

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1- ATTACHMENT TO CONCRETE SHALL BE BY MEANS OF (ONE) 2/16" DIA. TAPCON AS MANUFACTURED BY ITW BUILDEX, N.O.A. 07-1226.10, EXPIRE 2-20-2013. INSTALLED IN MINIMUM 3192 PSI COMPRESSIVE STRENGTH CONCRETE AND WITH A MINIMUM PENETRATION INTO CONCRETE OF 1 1/2" AND 2 1/2" MIN. EDGE DIST. ALTERNATE ATTACHMENT, POWERS FASTENERS, INC. TAPPER + SCREW INTO 3000 PSI COMPRESSIVE STRENGTH CONCRETE, 2/16" DIA., 2 1/4" TOTAL EFFECTIVE EMBEDMENT AND 3" MIN. EDGE DISTANCE, N.O.A. 10-0505.05, EXPIRES 2-28-2015.

2- CONCRETE TO WHICH ATTACHMENT OF CLIP IS MADE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI.

3- STEEL STRAPS OVER A/C UNITS SHALL BE 22 GA. GALVANIZED STEEL STRAP CONFORMING TO ASTM A 653 STANDARD WITH GALVANIZED IN CONFORMANCE WITH G90 AND HAVE A YIELD STRENGTH OF 33 KSI.

4- THE STEEL STRAP SHALL BE 1" WIDE AND BE CONNECTED WITH A 1/4" DIA. STEEL BOLT WITH WASHER AND BE TIGHTENED.

5- ANGLE CLIP USED IN ATTACHING THE STRAP TO THE SUPPORTING STRUCTURE SHALL BE AS MANUFACTURED BY, SNAP-RITE, 6285 PETERSON RD., LAKE PARK, GA. 31636 AND AS DETAILED IN THIS DRAWING.

6- ATTACHMENT OF CLIP TO ALUMINUM SHALL BE BY USING A ROOFING FELT AS SEPARATOR BETWEEN CLIP AND SUPPORTING ALUMINUM STRUCTURE AND USE OF A 2/16" DIAMETER SELF TAPPING OR DRILLED BOLT WITH LOCK WASHER AND NUT. SUPPORTING STRUCTURE SHALL BE AT LEAST 1/4" THICK ALUMINUM STRUCTURE SHALL BE MIN. 6061 T6 ALLOY.

7- ATTACHMENT OF CLIP TO SUPPORTING STEEL STRUCTURE SHALL BE BY A #8 SELF TAPPING SCREW AND INTO MATERIAL AT LEAST 1/8" THICK. SCREW MAY BE IN PULL OUT FORM.

8- ADDITIONAL PLATE USED AS REINFORCING SHALL BE EQUAL SPECIFICATION AS CLIP AND BE DRILLED WITH ONLY ONE HOLE MAXIMUM 1/4" DIAMETER IN THE SHORT LEG AND BE THE THICKNESS SPECIFIED AND 1" WIDE.

9- USE OF CABLE INSTEAD OF STEEL STRAP SHALL CONFORM TO FEDERAL SPECIFICATION RR-W-410D MEETING DIMENSIONAL STRENGTH REQUIREMENTS OF MIL-W-83420D AS SUPPLIED BY ELITE SALES INC. WITH A BREAKING STRENGTH OF 930 LBS. AND HAVE A MINIMUM DIAMETER OF 2/32" 7 X 7 STRANDS.

10- ATTACHING CLAMP SHALL BE 2/32" DIAMETER STEEL CONFORMING TO ASTM A36 STANDARDS MIN. YIELD OF 36 KSI.,SEE CLIP DETAIL FOR ATTACHMENT LOCATION.

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11- A/C UNITS THAT CONFORM TO THE SPECIFIED ATTACHMENT SHALL BE NO LARGER THAN 35.5" WIDE X 38.25" HIGH AND WEIGH NO LESS THAN 150 LBS. AS USED IN THE DESIGN.

12- WIND LOADS USED IN THE DESIGN SHALL BE AS PER ASCE 7-05 CHAPTER 6.

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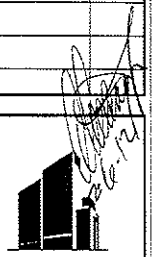
13 - THIS PLAN SUPERCEEDS ALL PREVIOUS ISSUES, SEE REVISION TABLE FOR LAST ISSUE DATE.

14 - DO NOT ACCEPT THIS PLAN UNLESS IT HAS THE IMPRESSED SEAL OF THE ENGINEER.

REVISIONS	BY
△1 ADDITION OF CLIP CONNECTION TO HOUSING 6-15-09	A.A
△2 USE ISSUE 1-31-12	A.A



ALFREDO ARTEAGA JR. P.E.
9860 W. 99 ST., HIALEAH, FLORIDA. 33016
(305) - 828 - 0276
P.E. REG. NO. 0060702

THE SEALED DRAWINGS ARE NOT VALID UNLESS SIGNED BY THE ENGINEER AND SEALED BY A WET SEAL. IT IS AN INFRINGEMENT OF COPYRIGHT LAW TO REPRODUCE THIS DRAWING WITHOUT THE FULL WRITTEN CONSENT OF THE E.P.O.C.T.A.

A/C UNIT ANCHORING DETAILS FATBOY CLIPS AS MANUFACTURED BY: THE ORIGINAL PAN/SNAP RITE CO. FOR USE UNDER FLORIDA BUILDING CODE

DRAWN:	A.A.A
CHECKED:	A.A.
DATE:	6-04-07
SCALE:	AS NOTED
JOB No. :	
SHEET:	S-1

1 OF 1