



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**

**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 375-2908**

[www.miamidade.gov](http://www.miamidade.gov)

**NOTICE OF ACCEPTANCE (NOA)**

**Buffalo Air Handling**  
**Division of Air & Liquid Systems Corp.**  
**467 Zane Snead Drive**  
**Amherst, VA 24521-4383**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: "Big Buffalo" Air Handling Unit**

**APPROVAL DOCUMENT:** Drawing No. 07308, titled "Buffalo Air Handling", sheets 1A, 1B, 2, 3, 4A, 4B, 5, 6, 7 & 8 of 8, prepared by Buffalo Air Handling, dated May 04, 2005, last revised on January 21, 2010, signed and sealed by Win Barnett, P.E., on April 25, 2010, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number & the expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, York, PA or Albany, MO and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA #06-0322.01 and consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
 09/01/2010

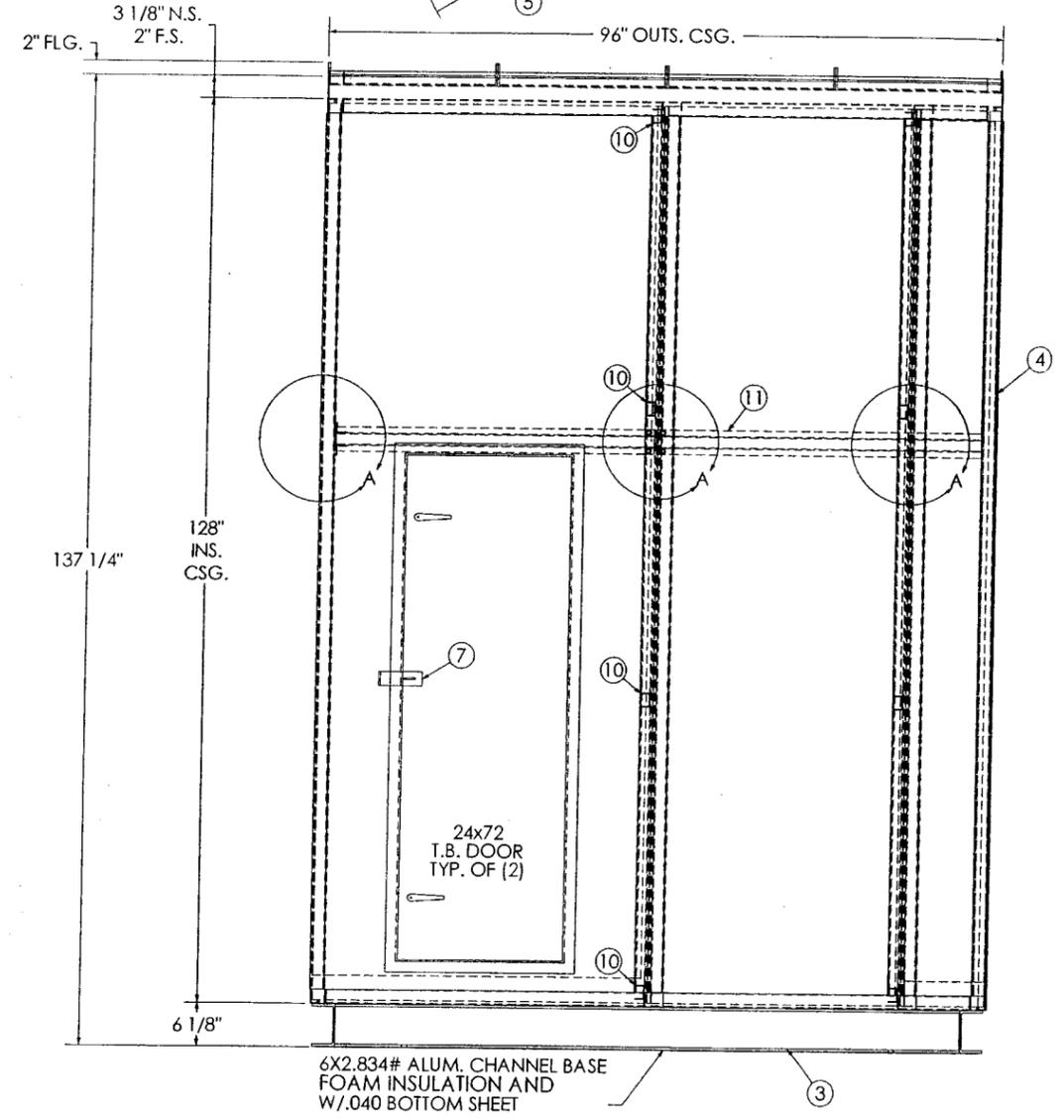
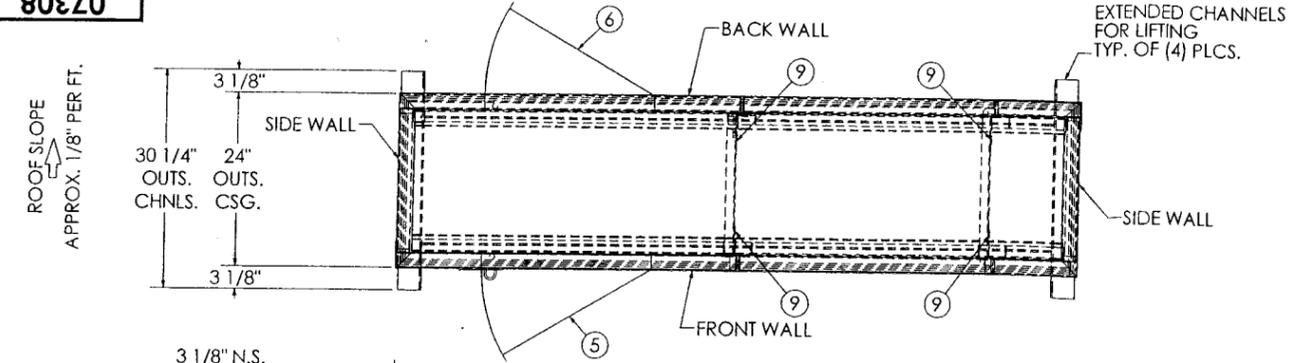
**NOA No. 10-0804.17**  
**Expiration Date: 04/24/2013**  
**Approval Date: 09/01/2010**  
**Page 1**

**Buffalo Air Handling**  
**Division of Air & Liquid Systems Corp.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0322.01**
  - A. DRAWINGS**
    1. *Drawing No. 07308, titled "Buffalo Air Handling", sheets 1A, 1B, 2, 3, 4A, 4B, 5, 6, 7 & 8 of 8, prepared by Buffalo Air Handling, dated May 04, 2005, signed and sealed by Win Barnett, P.E., on March 06, 2008.*
  - B. TESTS**
    1. *Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 2) Large Missile Impact Test per FBC, TAS 201-94 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of Aluminum Air Handler Model 1 BB Outdoor Unit, prepared by National Certified Testing Laboratories, Test Report No. 210-3148-1, 2, dated July 26, 2005, signed and sealed by Gerard J. Ferrara, P.E.*
  - C. CALCULATIONS**
    1. *None.*
  - D. QUALITY ASSURANCE**
    1. *By Miami-Dade County Building Code Compliance Office.*
  - E. MATERIAL CERTIFICATIONS**
    1. *Die Drawings.*
- 2. NEW EVIDENCE SUBMITTED**
  - A. DRAWINGS**
    1. *Drawing No. 07308, titled "Buffalo Air Handling", sheets 1A, 1B, 2, 3, 4A, 4B, 5, 6, 7 & 8 of 8, prepared by Buffalo Air Handling, dated May 04, 2005, last revised on January 21, 2010, signed and sealed by Win Barnett, P.E., on April 25, 2010.*
  - B. TESTS**
    1. *None.*
  - C. CALCULATIONS**
    1. *None.*
  - D. QUALITY ASSURANCE**
    1. *By Miami-Dade County Building Code Compliance Office.*
  - E. MATERIAL CERTIFICATIONS**
    1. *None.*
  - F. STATEMENTS**
    1. *Letter of conformance, dated July 12, 2010, signed and sealed by Win Barnett, P.E.*
    2. *Letter of name change, dated July 10, 2010, signed by Ted Krueger.*

  
Henry A. Makar, P.E., M.S.  
Senior Product Control Examiner  
NOA No. 10-0804.17  
Expiration Date: 04/24/2013  
Approval Date: 09/01/2010



Item No.	Qty.	Description	Size, Pattern	Material
1	1	Assembly		
2	1	Impact Point Locations	07308 SHEET 2 OF 8	
3	1	Channel Base Assembly	07308 SHEET 3 OF 8	
4	1	Panel Assembly	07308 SHEET 4 OF 8	
5	1	Door (Foam Insulation)	2D-2472T20-TA-00-R (07308 SHT. 8 OF 8)	Stock
6	1	Door (Foam Insulation)	2D-2472T20-TA-00-L (07308 SHT. 8 OF 8)	Stock
7	2	Hasp	3 1/2" Lockable	Zinc Plated/Stock
9	4	Vertical Cut-Off (M7)	07308 SHEET 5 OF 8	12ga. Galv. Stl.
10	8	Horiz. Support (B3)	07308 SHEET 5 OF 8	10ga Galv. Stl.
11	2	Bracing (Hat)	07308 SHEET 5 OF 8	12ga. Galv. Stl.
12	~	Tek Screw	#12-14 X 1.0"	SS Hex Head
13	~	Washer w/Neoprene	#12	SS Washer w/Neoprene
14	8	L-Angle	1 1/2"D x 1 1/2"W x 1 1/2"L	10ga. Galv. Stl.

MAXIMUM PANEL SIZE - 126 7/8"H x 47 9/16"W  
 MAXIMUM WALL PANEL'S DESIGN PRESSURE = +100.0/-100.0 PSF  
 MAXIMUM ROOF PANEL'S DESIGN PRESSURE = +75.0/-75.0 PSF

(SEE SHEET 1B OF 8 FOR DETAIL "A")

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 09/01/2010  
 Expiration Date 04/24/2013  
 By *Heather A. Nelson*  
 Miami Dade Product Control  
 Division

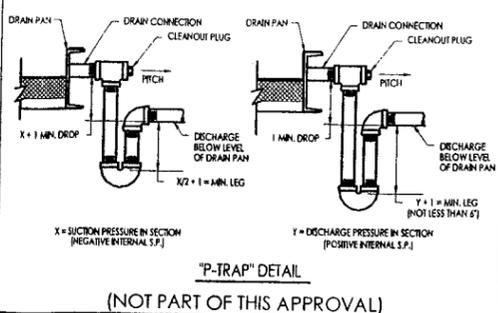
NOTE:  
 1. BAH TO LOCATE FASTENERS BEGINNING AT THE ENDS OF THE EXTRUSION, TEK SCREWS ARE LOCATED 12" CENTERS, INSIDE AND OUTSIDE VERTICAL EXTRUSIONS.

REV. A	1. ADDED BRACING DETAIL AND ITEMS. D.M.L. 7-6-05
REV. B	1. ADDED NOTE. 2. REVISED HASP CALL OUT. D.M.L. 7-27-05
REV. C	1. ADDED HASP IN DRAWING. 2. ADDED LABELS. 3. REVISED B.O.M. DWG. CALLOUTS. D.M.L. 8-22-05
REV. D	1. REVISED DWG. BORDER DISCLAIMER 2. ADDED SHT. 1B. D.M.L. 11-6-07
REV. E	1. REVISED MAX. ROOF PANEL DESIGN PRESSURE. R.T. 01/14/08
REV. F	1. REVISED TITLE BLOCK LOGO. D.M.L. 1-21-10

General Notes:  
 - Unit must be installed and operated in accordance with service manual G875F.  
 - When fan(s) is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.  
 - Unit to be installed on level surface.  
 - Curb/steel mounted units over 10'-0" wide must have perimeter support and support beneath each shipping split. Curb/Steel mounted units over 15'-0" may require additional support. Consult factory. Sections may deflect during rigging. Supplementary support midway at shipping splits will facilitate placement of sections.  
 - Trap(s) in drain lines by others. Refer to trap detail: (Right)

MARKS NOA-1

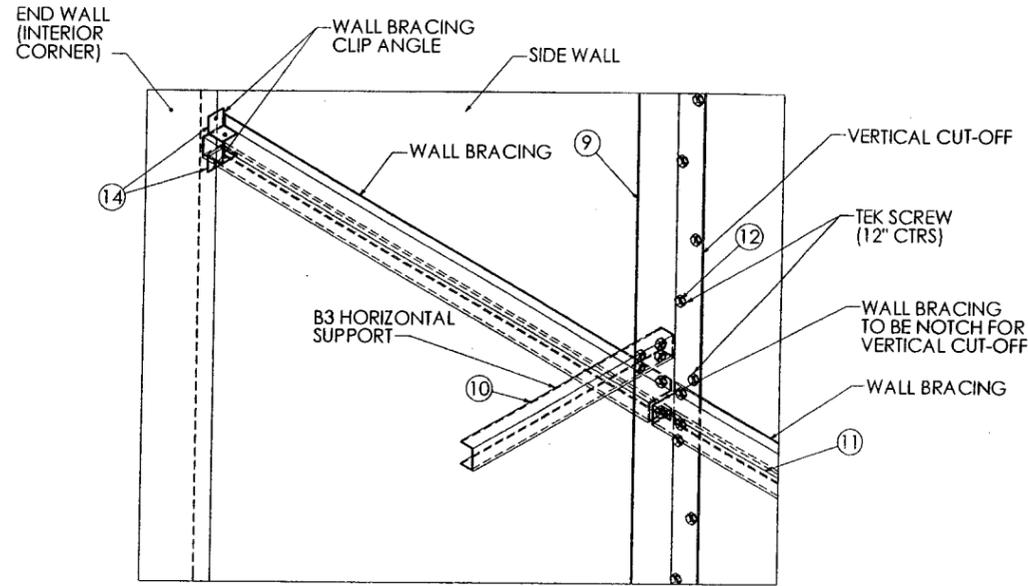
REFERENCE ORDER AND/OR DRAWING



CUSTOMER BUFFALO AIR HANDLING, AMHERST, VA			
USER BUFFALO AIR HANDLING			
ENGINEER BUFFALO AIR HANDLING			
TITLE 1 BB - MAIN ASSEMBLY			
BUFFALO AIR HANDLING	DRAWING STATUS	DESIGNER:	CHECKED:
	RECORD	D.M.L.	
	SCALE 1:16	DATE: 5-4-05	DATE:
ORDER NUMBER 050061-01	DRAWING NO. (REF. JO#)		REV.
J.O. NUMBER 07308	07308 SHEET 1A OF 8		F

*Heather A. Nelson*  
 11/23/10

Win Barnett, PE  
 P.O. Box 875  
 Tampa, FL 33601



INTERNAL BRACING DETAIL  
TYP. BOTH SIDES

DETAIL A  
SCALE 1 : 8

**Air Handler Construction:**

The test specimen was a one (1) panel deep by three (3) panel wide aluminum Air Handler including roofing and flooring (drawing 07308 sheet 1 of 8). The inside roof and walls consisted of 2.0" thick aluminum skin panels filled with 2.5 lb/cft density foam (drawing 07308 sheet 6 of 8). The front and back walls were three (3) panels wide, connected together with thermally broken extruded H-channel (drawing 07308 sheet 7 of 8 detail C), #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, 0.75" from the top and 12.0" on center there after on both the interior and exterior. A bead of polyurethane adhesive sealant was applied between the H-channel and the panel on both the exterior and interior surfaces (drawing 07308 sheet 7 of 8, detail A). An extruded thermally broken aluminum W-channel (drawing 07307 sheet 7 of 8, detail A), connected the sidewall panel to the front/back wall panel to form the corner. The fasteners, fastener layout, and adhesive sealant are identical as described above.

The wall to inside roof connection is the same as the corner connection except the fasteners located in the interior of the aluminum shape secure the aluminum shape to the inside wall panel (drawing 07308 sheet 7 of 8, detail A). Roof panel is then installed on the wall panels and secured with polyurethane adhesive sealant and #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, located 1.75" from the end (front/rear wall panels) and 12.0" on center, both interior and exterior. The sidewall connections were the same except the fasteners were located from left to right at 3.75", 11.5" and 20.75" (exterior) and 1.25, 9.75 and 18.5" (interior). The wall panels were secured to a thermally broken U-channel (drawing 07308 sheet 7 of 8, detail B) with adhesive sealant and #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers. Fasteners location is typical for both top and bottom. The U-channel was secured to the base from inside the U-channel with 0.375" Hilti nails located at 12.0" on center for the front/back walls and 0.75", 11.5" and 21.5" for the sidewalls.

**Reinforcement:**

Qty	Description	Location
Four (4) Item 9	Vertical L-angle steel reinforcement (M7) 2.713" wide x 3.975" long x 0.10" thick (drawing 07308, sheet 1B of 8, detail A)	Interior Wall Panel Splice
Eight (8) Item 10	C-channel steel reinforcement (B-3) 1.20" x 2.078" x 0.125" thick (drawing 07308, sheet 1B of 8, detail A)	Four spaced hor. At each Interior Wall Panel Splice 41.0" on center.
Two (2) Item 11	Hor. Hat channel steel reinforcement 1.75" wide x 93.875" long x 2.250" deep (drawing 07308, sheet 1B of 8, detail A)	Mid-span front/rear wall panel 46.75" O.C. from top
Eight (8) Item 14	1.5" x 2.0" L-angle, 10 ga. (drawing 07308, sheet 1B of 8, detail A)	Two each end of hat channel

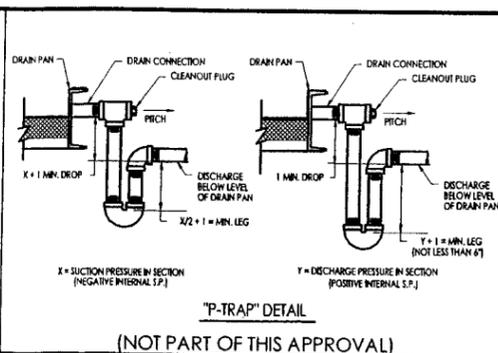
The vertical L-angles (M7, Item 9) were secured to the interior side of the front/back wall H-channels with #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, in a row of two (2) located on center from the top 1.50", 2.75", 26.25", 38.25", 45", 48.25", 54", 66", 70.75", 89.5", 102", 114", 125.25" and 127". The horizontal C-channel (B3, Item 10) was secured to the vertical L-angles at each end with four (4) #12 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers. See detail A, Drawing No. 07308, sheet 1B of 8. The Hat channel (Item 11) was secured to the interior corner with two (2) L-angles (Item 14) and #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers. The hat channel was secured at each internal reinforcement with (2) #12-14 x 1.0" S.S. Hex Head Tek Screws with neoprene bonded washers. See detail A, Drawing No. 07308, sheet 1B of 8.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *Helmut A. Moller*  
Miami Dade Product Control  
Division

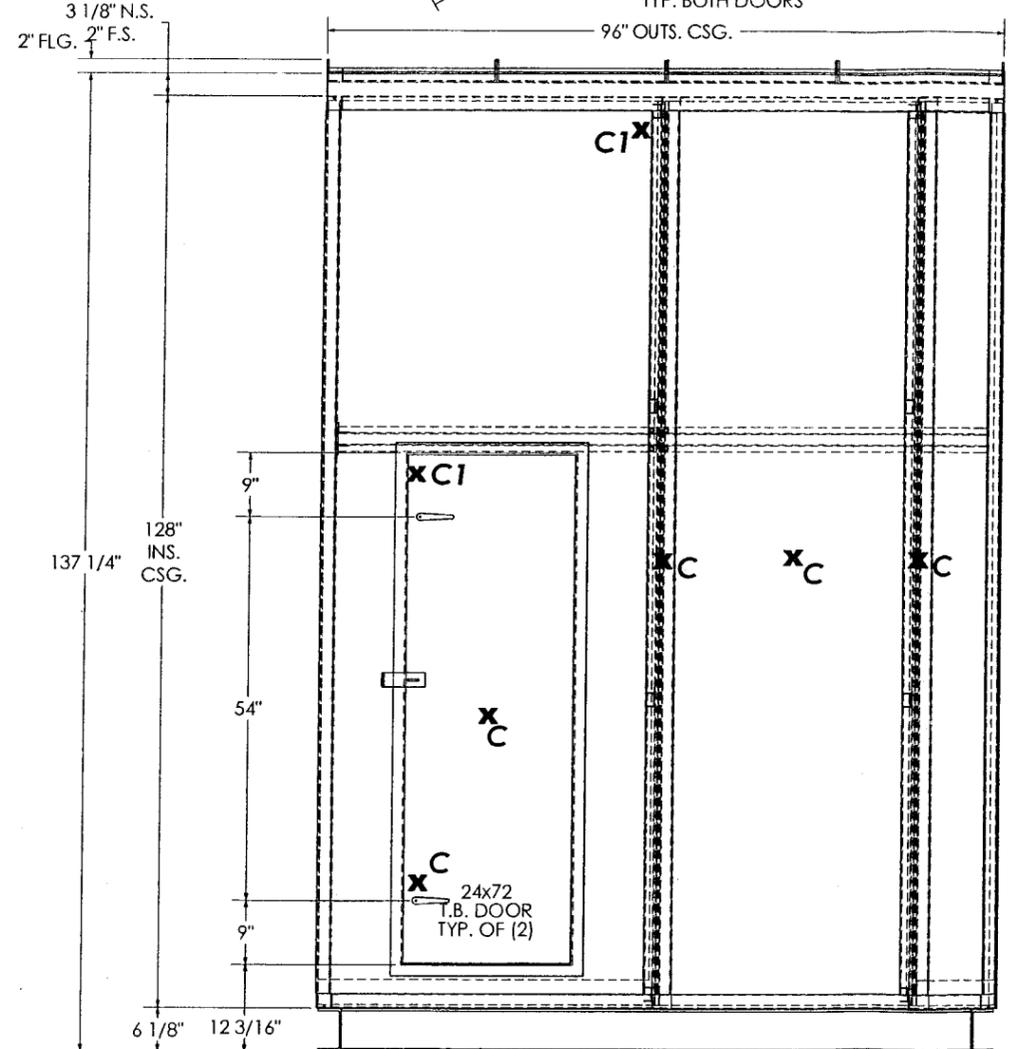
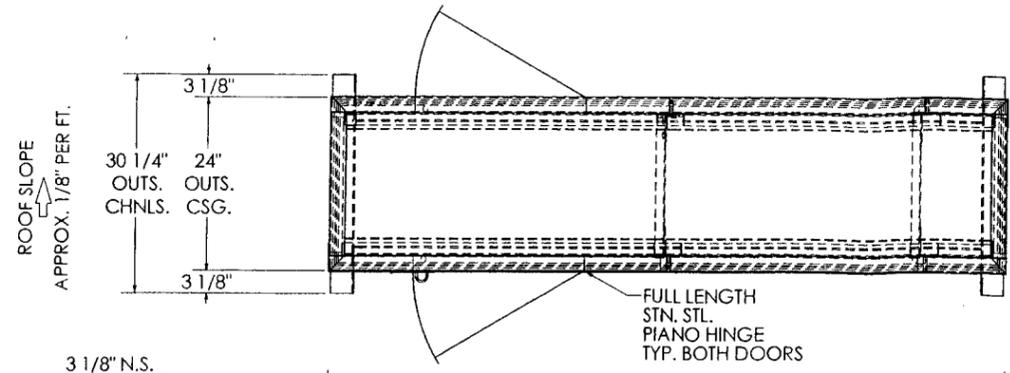
*Handwritten signature and date: Helmut A. Moller 4/24/13*

Win Barnett, PE  
P.O. Box 875  
Tampa, FL 33601

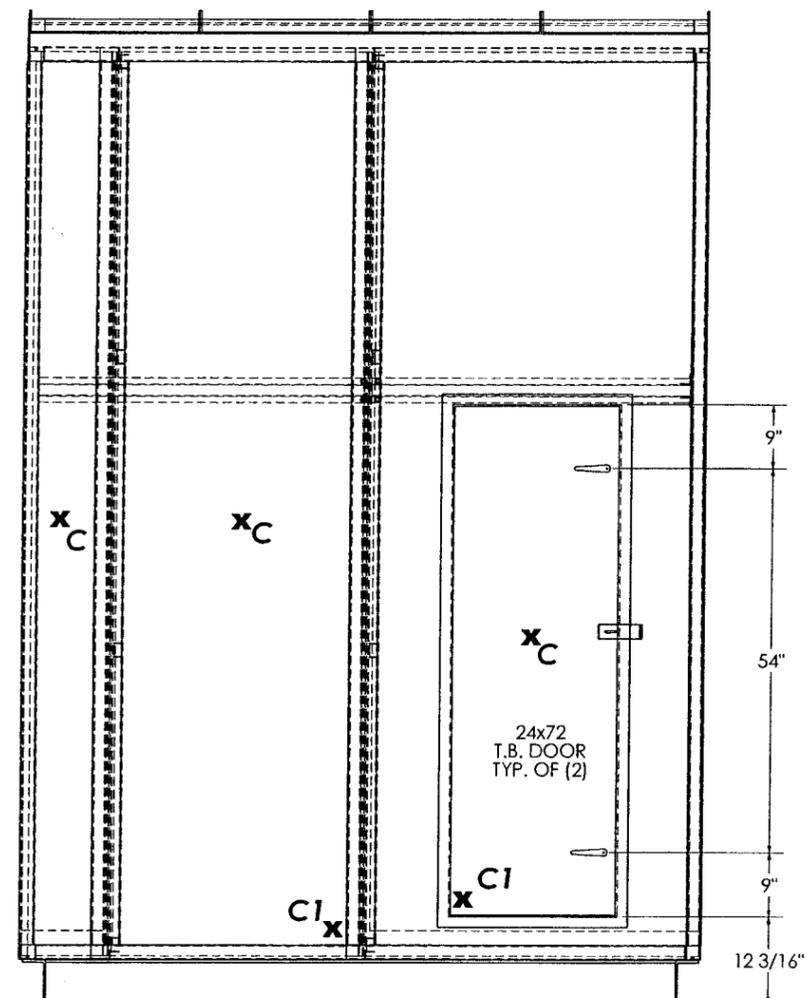
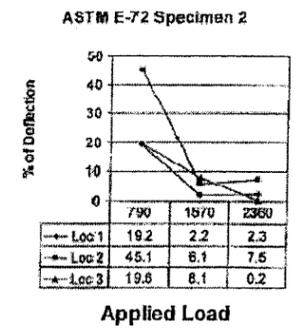
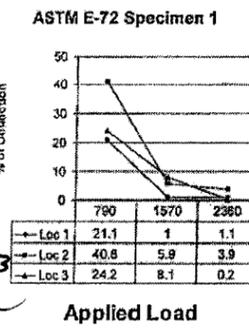
(SEE SHT. 1A OF 8)	MARKS	NOA-1	General Notes: - Unit must be installed and operated in accordance with service manual G875F. - When fan(s) is in operation, inlet or duct damper(s) must be open to prevent damage to the unit. - Unit to be installed on level surface. - Curb/steel mounted units over 10'-0" wide must have perimeter support and support beneath each shipping split. Curb/Steel mounted units over 15'-0" may require additional support. Consult factory. Sections may deflect during rigging. Supplementary support midway at shipping splits will facilitate placement of sections. - Trap(s) in drain lines by others. Refer to trap detail: (Right)
	REFERENCE ORDER AND/OR DRAWING		



CUSTOMER	BUFFALO AIR HANDLING, AMHERST, VA		
USER	BUFFALO AIR HANDLING		
ENGINEER	BUFFALO AIR HANDLING		
TITLE	1 BB - MAIN ASSEMBLY		
<b>BUFFALO</b> <b>AIR HANDLING</b>	DRAWING STATUS	DESIGNER:	CHECKED:
	RECORD	D.M.L.	
SCALE	1:16	DATE:	DATE:
ORDER NUMBER	050061-01	DRAWING NO. (REF. JO#)	REV.
J.O. NUMBER	07308	<b>C-07308-1</b>	<b>F</b>
		<b>SHEET 1B OF 8</b>	



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *Heather A. Martin*  
Miami Dade Product Control  
Division



LEGEND:  
C = IMPACT LOCATION AT CENTER  
C1 = IMPACT LOCATION AT CORNER

FRONT WALL

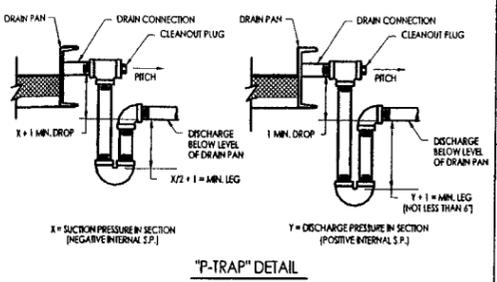
BACK WALL

REV. A	1. REVISED DWG. NUMBER. D.M.L. 8-22-05
REV. B	1. REVISED DWG. BORDER DISCLAIMER. 2. ADDED CHARTS. D.M.L. 11-6-07
REV. C	1. REVISED TITLE BLOCK LOGO. D.M.L. 1-21-10

MARKS

General Notes:  
- Unit must be installed and operated in accordance with service manual G875F.  
- When fan(s) is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.  
- Unit to be installed on level surface.  
- Curb/steel mounted units over 10'-0" wide must have perimeter support and support beneath each shipping split. Curb/Steel mounted units over 15'-0" may require additional support. Consult factory. Sections may deflect during rigging. Supplementary support midway at shipping splits will facilitate placement of sections.  
- Trap(s) in drain lines by others. Refer to trap detail: (Right)

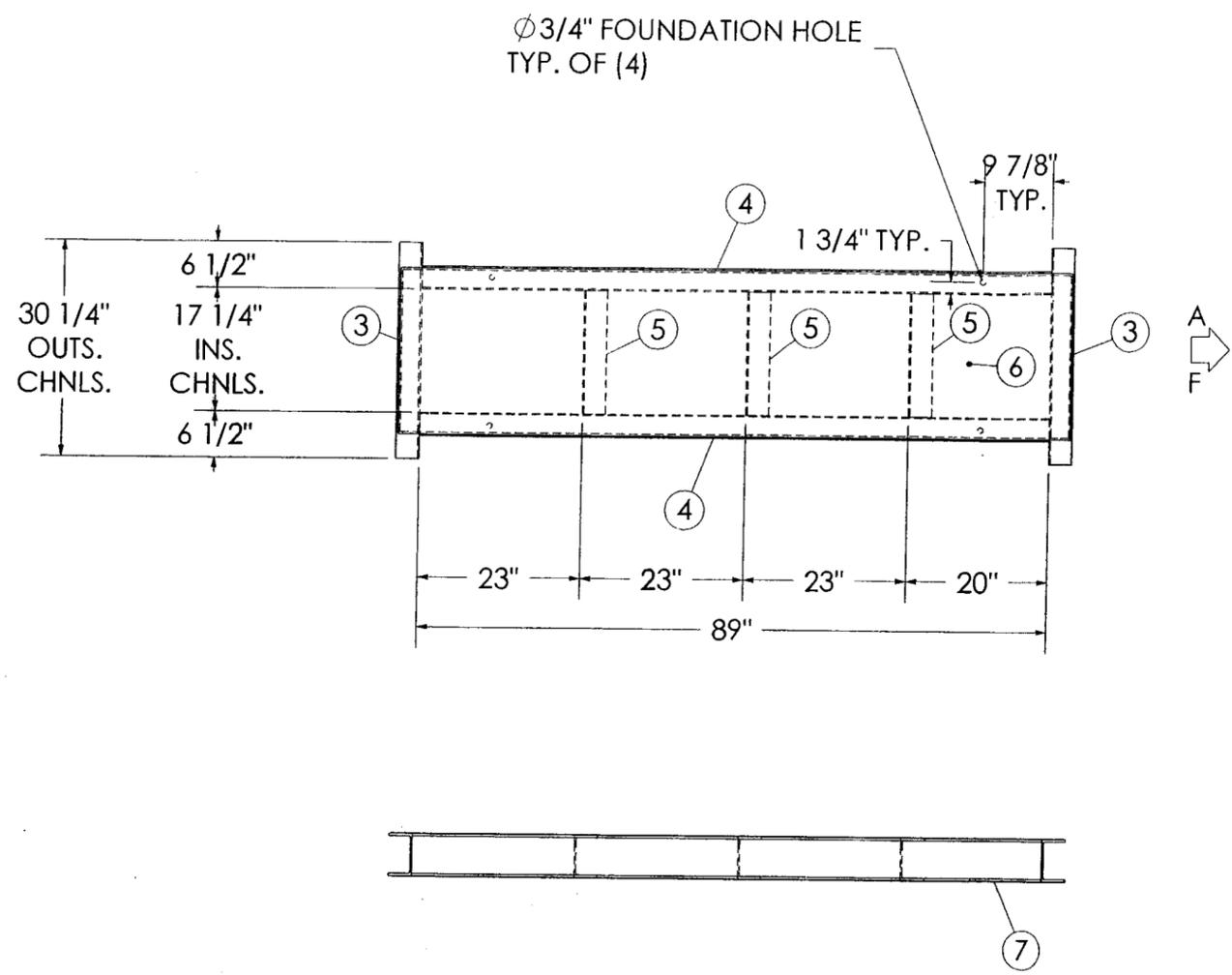
REFERENCE ORDER AND/OR DRAWING C-07308-1



CUSTOMER			
USER 1 BB			
ENGINEER			
TITLE IMPACT POINT LOCATION			
DRAWING STATUS	DESIGNER: D.M.L.	CHECKED:	
SCALE 1:16	DATE: 5-4-05	DATE:	
ORDER NUMBER 050061-01	DRAWING NO. (REF. JO#) 07308		REV. C
J.O. NUMBER 07308	SHEET 2 OF 8		

*Heather A. Martin*  
4/25/10

Wirri Barnett, PE  
P.O. Box 875  
Tampa, FL 33601



Item No.	Qty.	Description	Size, Pattern	Material
1	1	Assembly		
2	1	Foam Insulation	x 2.0 Cu. Ft.	Stock
3	2	Str. Channel	6 x 4.03# x 30 1/4"L	Alum.
4	2	Str. Channel	6 x 4.03# x 89"L	Alum.
5	3	Str. Channel	6 x 4.03# x 17 1/4"L	Alum.
6	1	Top Sheet	23 1/4" x 95"	.040 Alum.
7	1	Bottom Sheet	22 3/4" x 94 1/2"	.040 Alum.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 09/01/2010  
Expiration Date 04/24/2013  
By *Helmy A. Melon*  
Miami Dade Product Control  
Division

Win Barnett, PE  
P.O. Box 875  
Miami, FL 33601

*[Handwritten Signature]*  
1/25/10

**Base Construction:**

The base is constructed of Aluminum structural C-channel 6.0" wide x 0.355" wall (drawing 07308, sheet 3 of 8). Each side corner stringer butt joint was welded both sides. A 0.040" thick aluminum top sheet was placed between the base and the bottom U-channel of the wall sections and tacked into place with 0.375" Hilti nails. 2.0 lb/cft density foam was applied to the underside of the top sheet and the base C-channel. A bottom sheet 0.040" thick aluminum was secured to the bottom of the base with 0.0375" Hilti nails.

REV. C  
1. REVISED TITLE BLOCK LOGO.  
D.M.L. 1-21-10

REV. A  
1. REVISED DWG. NUMBER.  
2. REVISED INSULATION.  
D.M.L. 8-22-05

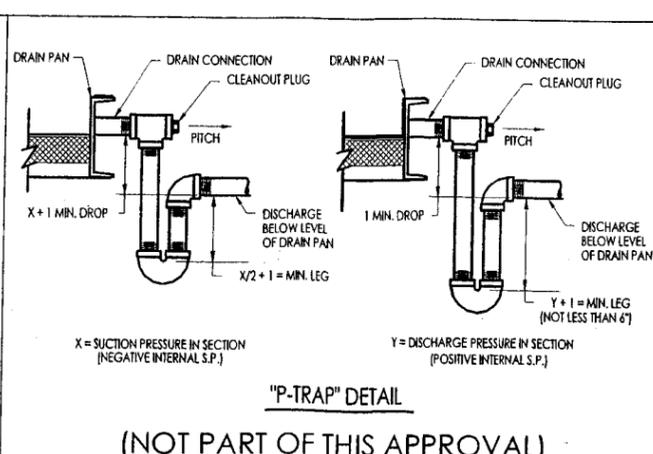
REV. B  
1. REVISED DWG. BORDER DISC.  
2. ADDED NOTES.  
D.M.L. 11-6-07

MARKS  
NOA-1

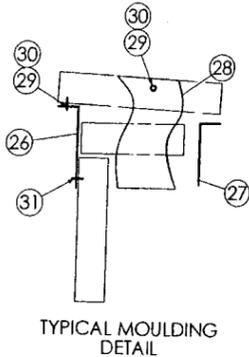
**General Notes:**

- Unit must be installed and operated in accordance with service manual G875F.
- Trap in drain lines by others. Refer to figure 6 & 7 in service manual G875F.
- When fan is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.
- Unit to be installed on level, solid surface.

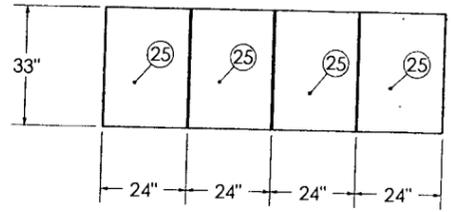
REFERENCE ORDER AND/OR DRAWING  
C-07308-1



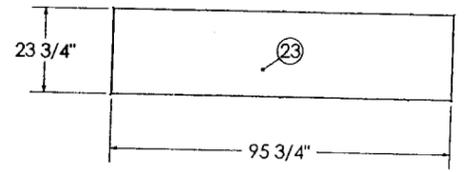
CUSTOMER			
USER		1 BB	
ENGINEER			
TITLE CHANNEL BASE ASSEMBLY			
DRAWING STATUS		DESIGNER: D.M.L.	CHECKED:
SCALE 0.5:12		DATE: 5-4-05	DATE:
ORDER NUMBER 050061-01		DRAWING NO. (REF. JO#) <b>07308</b>	
J.O. NUMBER 07308		<b>SHEET 3 OF 8</b>	
			REV. <b>C</b>



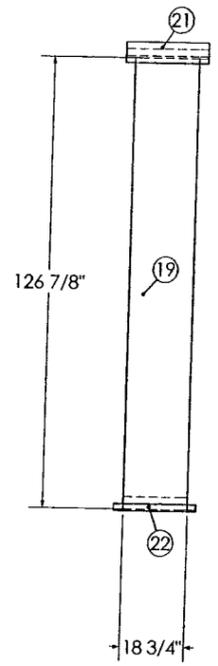
TYPICAL MOULDING DETAIL



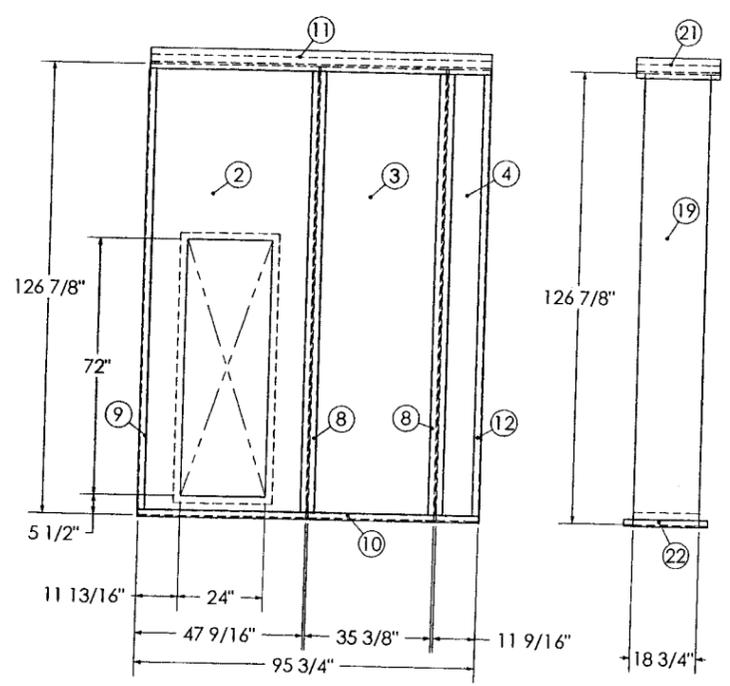
OUTSIDE ROOF



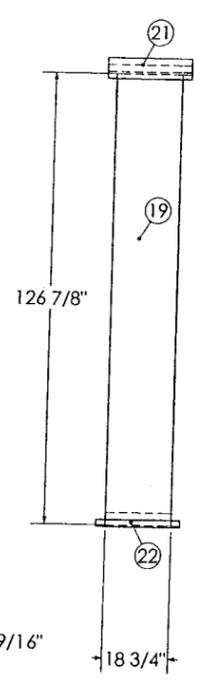
INSIDE ROOF



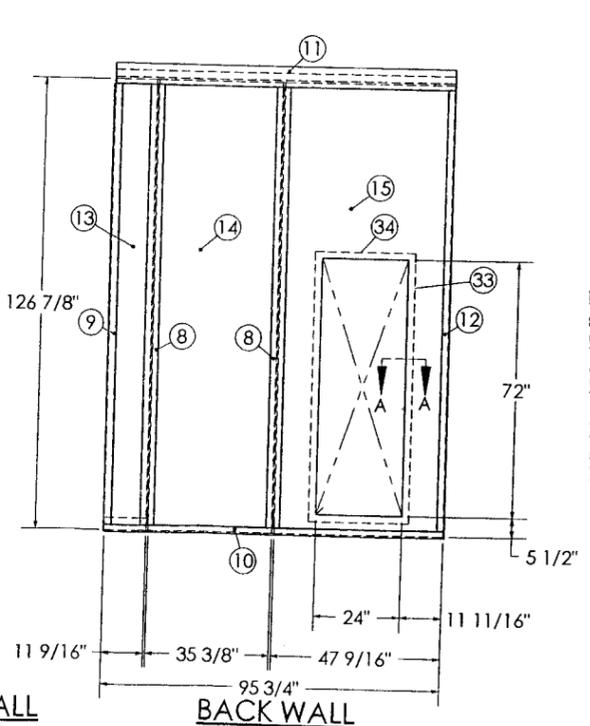
LEFT HAND WALL



FRONT WALL



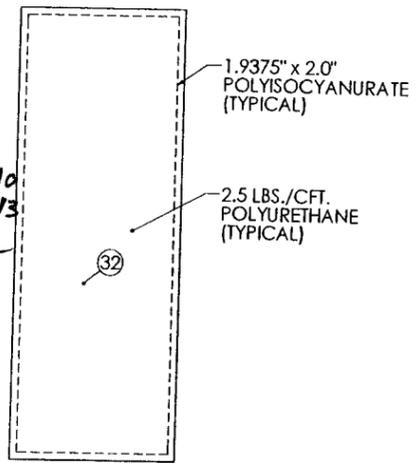
RIGHT HAND WALL



BACK WALL

\* DO NOT USE BOM TO CUT EXTRUSION LENGTHS. SHOP TO CUT AT ASSEMBLY TO ENSURE ACTUATE LENGTHS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *Heather A. Miller*  
Miami Dade Product Control  
Division



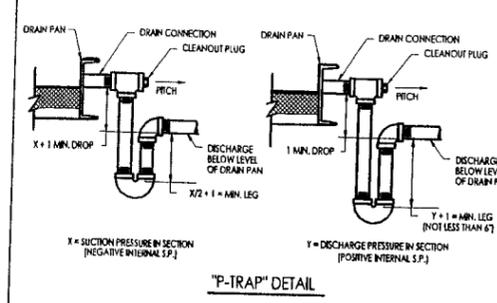
Item No.	Qty.	Description	Size, Pattern	Material	Sticks
1	7	Assembly			0
2	1	Panel	47 9/16" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
3	1	Panel	35 3/8" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
4	1	Panel	11 9/16" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
5	3	Foam	6.26 Cu. Ft.	Stock	0
6	1	Foam	4.73 Cu. Ft.	Stock	0
7	1	Foam	1.46 Cu. Ft.	Stock	0
8	4	H	x 124"	Stock	2
9	2	W	x 124"	Stock	1
10	2	U	x 96 1/4"	Stock	1
11	2	W	x 96"	Stock	1
12	2	W	x 124"	Stock	1
13	1	Panel	11 9/16" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
14	1	Panel	35 3/8" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
15	1	Panel	47 9/16" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
16	1	Foam	1.55 Cu. Ft.	Stock	0
17	1	Foam	4.81 Cu. Ft.	Stock	0
18	1	Foam	6.55 Cu. Ft.	Stock	0
19	2	Panel	18 3/4" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
20	2	Foam	2.17 Cu. Ft.	Stock	0
21	2	W	x 24"	Stock	0
22	2	F	x 24"	Stock	1
23	1	Panel	23 3/4" x 95 3/4"	.040 Alum. Out./040 Alum. In	0
24	1	Foam	2.17 Cu. Ft.	Stock	0
25	4	K1 Panel	2"D x 24"W x 27"L	0.04 Stucco Alum.	0
26	1	Roof Moulding (KB)	1-1/4"D x 3"W x 96"L	.063 Stucco Alum.	0
27	1	Roof Moulding (KB)	1-1/4"D x 2"W x 96"L	.063 Stucco Alum.	0
28	2	Side Moulding	6 5/8" x 27"	.063 Stucco Alum.	0
29	1	Flange Head Bolt	1/4 - 20 X 3/4"	S.S.	0
30	1	Lock Nut	1/4"	S.S.	0
31	1	Tek Screw	#12 - 14 x 1.0"	S.S. Hex Head	0
32	2	Panel	47 9/16" x 126 7/8"	.040 Stucco Alum. Out./040 Alum. In	0
33	4	Door Backing	2.02" x 72"	.063 Alum.	0
34	4	Door Backing	2.02" x 28"	.063 Alum.	0

- REV. A  
1. REVISED DWG. NUMBER  
2. ADDED ROOF ATTACHMENT DETAIL & DOOR BACKING DETAIL.  
D.M.L. 8-22-05
- REV. B  
1. REVISED DWG. BORDER DISCLAIMER.  
2. ADDED SHT. #8.  
D.M.L. 11-6-07
- REV. C  
1. REVISED TITLE BLOCK LOGO.  
D.M.L. 1-21-10

MARKS

REFERENCE ORDER AND/OR DRAWING  
C-07308-1

- General Notes:
- Unit must be installed and operated in accordance with service manual G875F.
  - When fan(s) is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.
  - Unit to be installed on level surface.
  - Curb/steel mounted units over 10'-0" wide must have perimeter support and support beneath each shipping split. Curb/Steel mounted units over 15'-0" may require additional support. Consult factory. Sections may deflect during rigging. Supplementary support midway at shipping splits will facilitate placement of sections.
  - Trap(s) in drain lines by others. Refer to trap detail: (Right)



CUSTOMER

USER 1 BB

ENGINEER

TITLE PANEL ASSEMBLY

**BUFFALO**  
AIR HANDLING

DRAWING STATUS	DESIGNER: D.M.L.	CHECKED:
SCALE 1:32	DATE: 5-4-05	DATE:
ORDER NUMBER 050061-01	DRAWING NO. (REF. JO#)	
J.O. NUMBER 07308	<b>07308</b> SHEET 4A OF 8	

REV. **C**

*Handwritten signature and date: 4/25/10*

Wir Barnett, PE  
P.O. Box 875  
Tampa, FL 33601

**Door Panel Construction:**

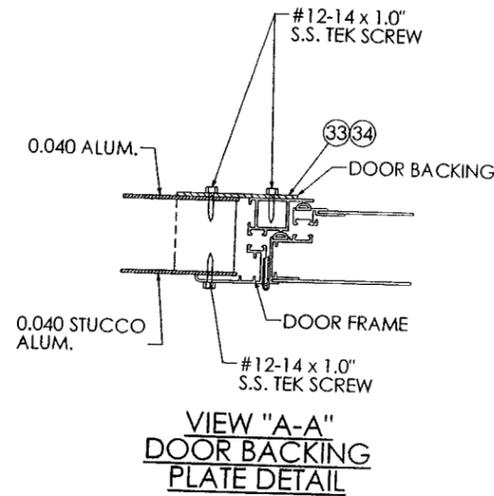
The door outer main frame was thermally broken extruded aluminum measuring 26.410" x 74.410" (drawing 07308, sheet 8 of 8), secured to the wall panel on the inside with a 2.02" wide x 0.063" backing plate on all sides and secured with two (2) rows of 12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, 1.0" from the end and 12.0" on center there after for both door interior jambs and two (2) rows of #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washer, located at 3.0", 14.0" and 23.5". The door panel interior frame was thermally broken extruded aluminum measuring 22.500" x 70.250" and secured to the wall panel with #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, located 1/4" from the edge and 5.0" on center around the perimeter. The door panels measured 22.313" wide x 70.250" high x 2.0" thick, with 0.040" stucco Aluminum outer / 0.040" Aluminum inner skins. Between the two skins was filled with 2.5 lb/cft expanded Polyurethane foam. Panel skins were riveted to the door inner frame at each corner interior and exterior. Two (2) rivets per corner, sixteen (16) total. An adhesive sealant was placed between the door skins and the doorframe.

**Weatherseals:**

Qty:	DESCRIPTION	LOCATION
Two (2) Strips	X1153BT Self-Adhering EPDM Gasket	Door Frame Perimter

**Hardware:**

Qty:	DESCRIPTION	LOCATION
Two (2)	70.535" long Stainless Steel Piano Hinge	One in each door frame jamb.
One (1)	3.5" Steel Hasp w/ steel rivets	Mid-span of door panel.
Four (4)	260 Chrome Handle Assembly	Two (2) each door slab.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *Helmy A. Helmy*  
Miami Dade Product Control  
Division

*Handwritten signature and date: 4/25/10*

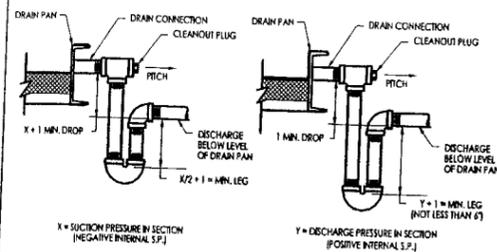
(SEE SHT. 4A OF 8)

MARKS

REFERENCE ORDER AND/OR DRAWING  
C-07308-1

General Notes:

- Unit must be installed and operated in accordance with service manual G875F.
- When fan(s) is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.
- Unit to be installed on level surface.
- Curb/steel mounted units over 10'-0" wide must have perimeter support and support beneath each shipping split. Curb/Steel mounted units over 15'-0" may require additional support. Consult factory. Sections may deflect during rigging. Supplementary support midway at shipping splits will facilitate placement of sections.
- Trap(s) in drain lines by others. Refer to trap detail: (Right)

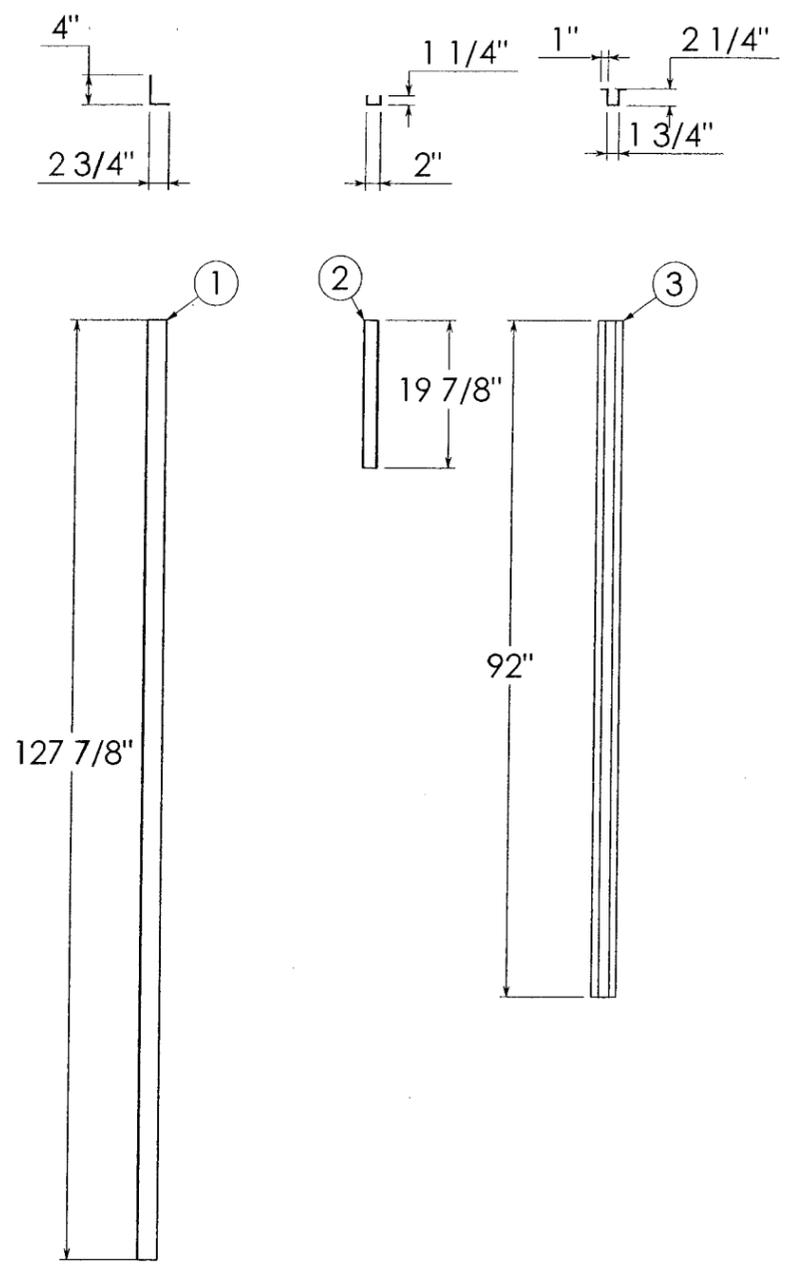


"P-TRAP" DETAIL  
(NOT PART OF THIS APPROVAL)

CUSTOMER			
USER 1 BB			
ENGINEER			
TITLE PANEL ASSEMBLY			
DRAWING STATUS	DESIGNER: D.M.L.	CHECKED:	
SCALE 1:32	DATE 5-4-05	DATE:	
ORDER NUMBER 050061-01	DRAWING NO. (REF. JO#)		REV.
J.O. NUMBER 07308	C-07308-4 SHEET 4B OF 8		C

Wirr Barnett, PE  
P.O. Box 875  
Tampa, FL 33601

Item No.	Qty.	Description	Size, Pattern	Material
1	4	Vertical Cut-Off (M7)	2 3/4"D x 4"W x 127 7/8"L	12ga. Galv. Stl.
2	8	Horiz. Support (B3)	1 1/4"D x 2"W x 19 7/8"L	10ga Galv. Stl.
3	2	Bracing (Hat)	2 1/4"D x 1 3/4"W x 92"L	12ga. Galv. Stl.



REV. C  
1. REVISED TITLE BLOCK LOGO.  
D.M.L. 1-21-10

REV. A  
1. REVISED DWG. NUMBER.  
D.M.L. 8-22-05

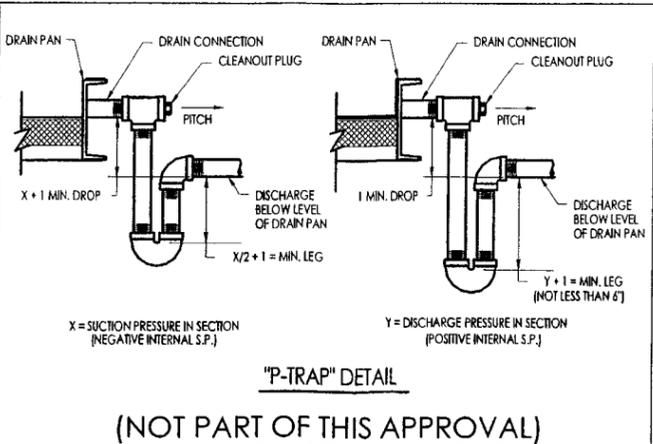
REV. B  
1. REVISED DWG. BORDER  
DISCLAIMER.  
D.M.L. 11-6-07

MARKS

**General Notes:**

- Unit must be installed and operated in accordance with service manual G875F.
- Trap in drain lines by others. Refer to figure 6 & 7 in service manual G875F.
- When fan is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.
- Unit to be installed on level, solid surface.

REFERENCE ORDER AND/OR DRAWING



CUSTOMER			
USER	1 BB		
ENGINEER			
TITLE FABRICATED SUPPORTS			
DRAWING STATUS	DESIGNER: DML	CHECKED:	
SCALE 1:24	DATE: 6/15/05	DATE:	
ORDER NUMBER 050061-01	DRAWING NO. (REF. JO#) <b>07308</b>		REV. <b>C</b>
J.O. NUMBER 07308	<b>SHEET 5 OF 8</b>		

PRODUCT REVISED  
as complying with the Florida  
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Expiration Date 04/24/2013  
By Helmut A. Mehn  
Miami Dade Product Control  
Division

*W. Barnett*  
Wiri Barnett, PE  
P.O. Box 875  
Tampa, FL 33601

REV. C

1. REVISED TITLE BLOCK LOGO.  
D.M.L. 1-21-10

REV. A

1. REVISED DWG. NUMBER  
D.M.L. 8-22-05

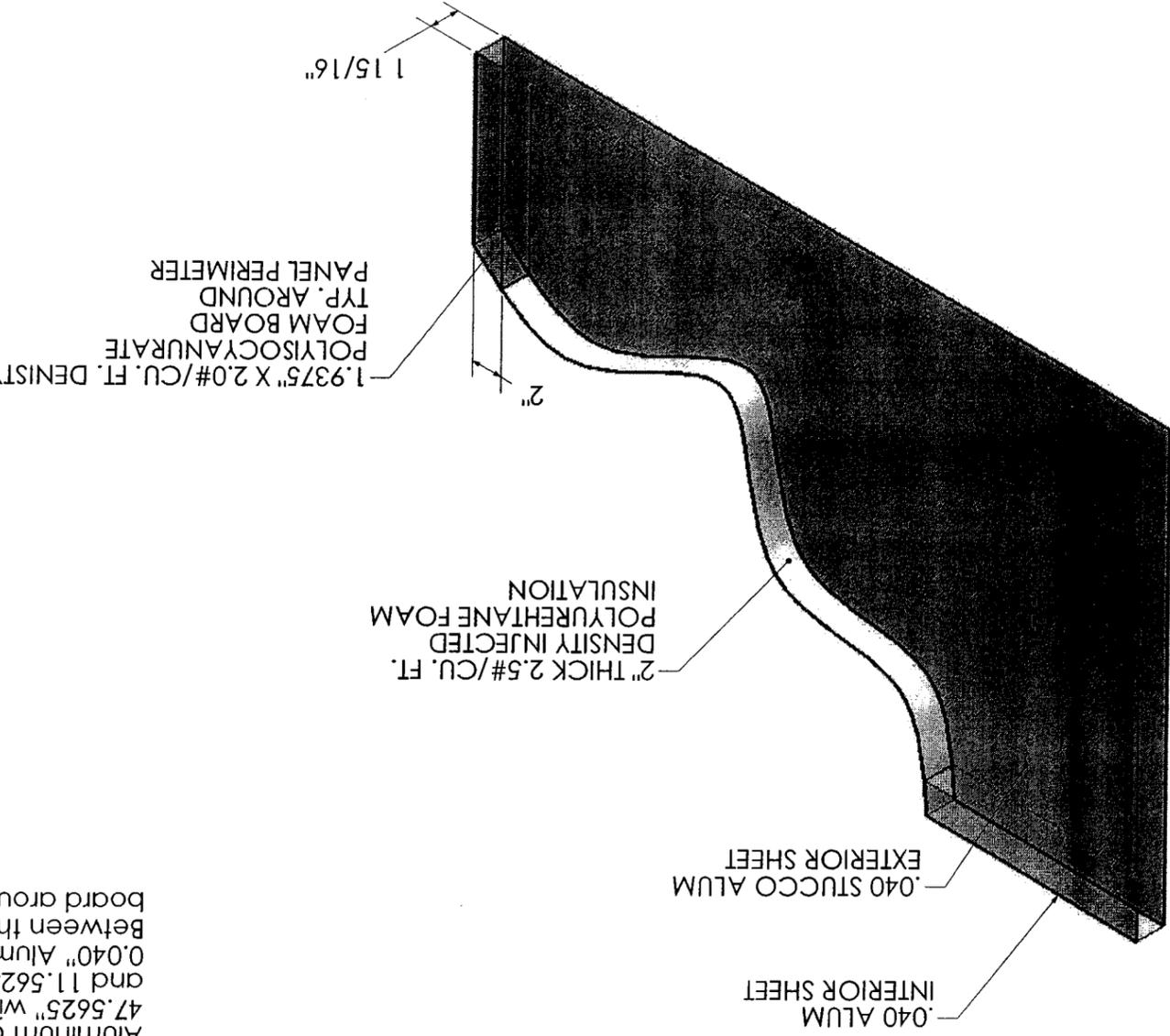
REV. B

1. REVISED DWG. BORDER DISC  
2. ADDED NOTES.  
D.M.L. 11-6-07

MARKS

REFERENCE ORDER AND/OR DRAWING  
C-07308-1

General Notes:  
- Unit must be installed and operated in accordance with service manual G875F.  
- Trap in drain lines by others. Refer to figure 6 & 7 in service manual G875F.  
- When fan is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.  
- Unit to be installed on level, solid surface.



**Panel Construction:**

Both sidewall panels measured 18.75" x 126.875" high x 210" thick with .040" stucco aluminum outer / 0.040" aluminum inner skins. The front/back wall panels measured 47.5625" wide x 126.875" high x 2.0" thick, 38.375" wide x 126.875" high x 2.0" thick and 11.5625" wide x 126.875" high x 2.0" thick with 0.040" stucco aluminum outer / 0.040" aluminum inner skins. Wall panels are shown on drawing 07308, sheet 4 of 8. Between the two skins was a 1.9375" x 2.0", 2.0 lb/cft density polyisocyanurate foam board around the perimeter with the balance filled with 2.5 lb/cft-expanded polyurethane.

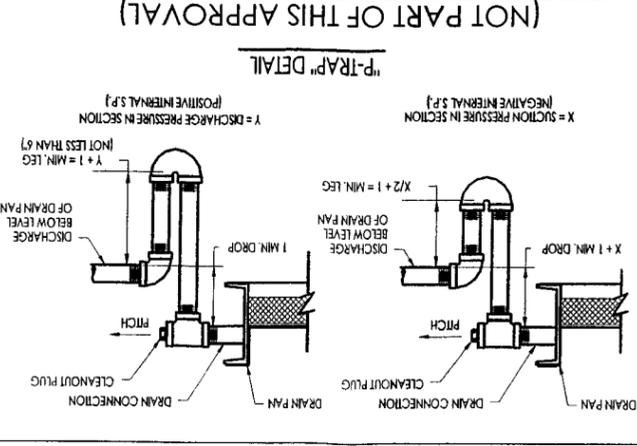
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *Heather A. White*  
Mitani Design Product Control  
Division

Wm. Barnett, PE  
P.O. Box 375  
Tampa, FL 33601

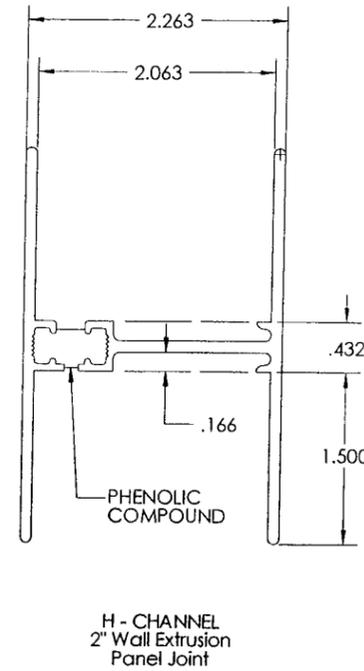
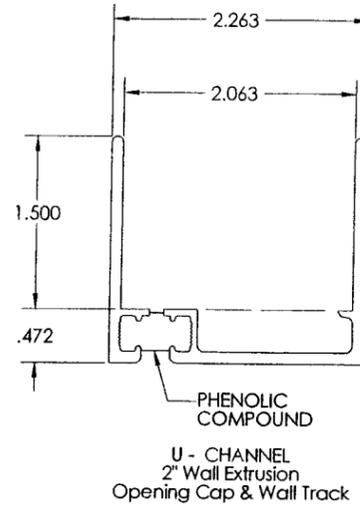
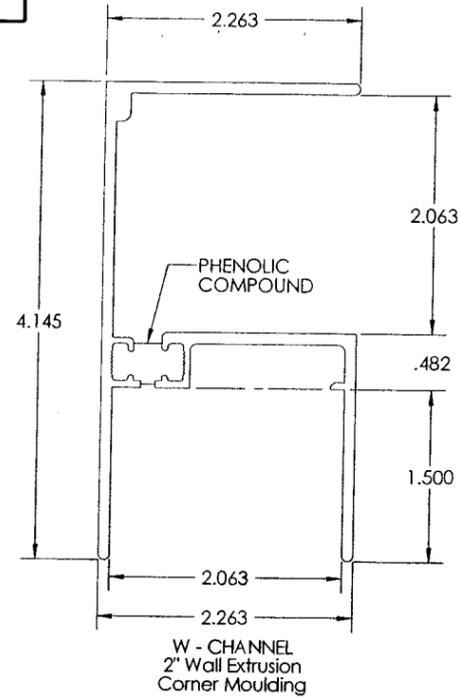
*Wm. Barnett*  
7/25/10

CUSTOMER	1 BB	ENGINEER		TITLE	FOAM PANEL DETAIL
USER		SCALE	1:8	DRAWING STATUS	
DESIGNER:	D.M.L.	DATE:	5-4-05	DRAWING NO. (REF. JO#)	07308
CHECKED:		DATE:		J.O. NUMBER	07308
REV.	C			ORDER NUMBER	050061-01

**BUFFALO**  
AIR HANDLING

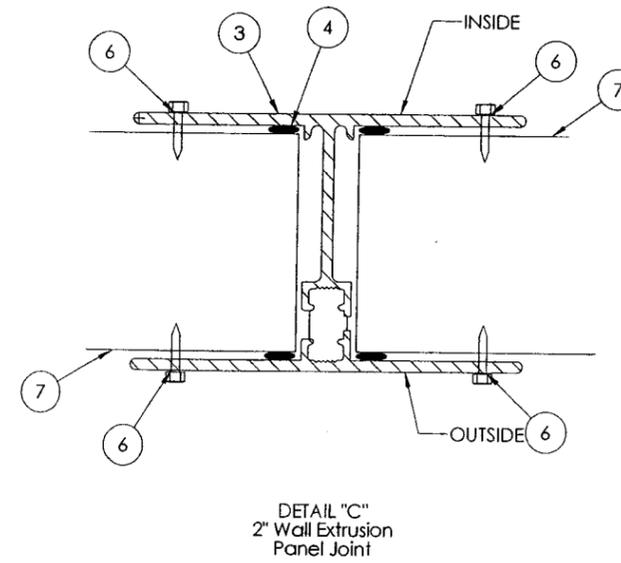
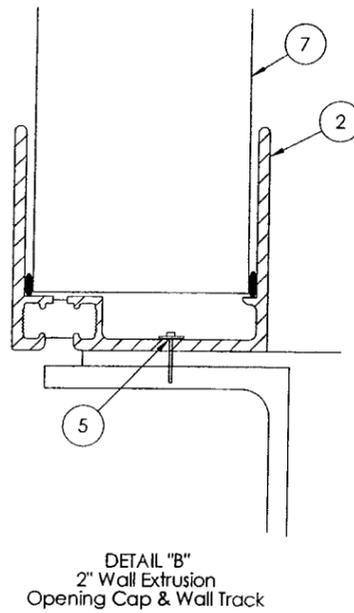
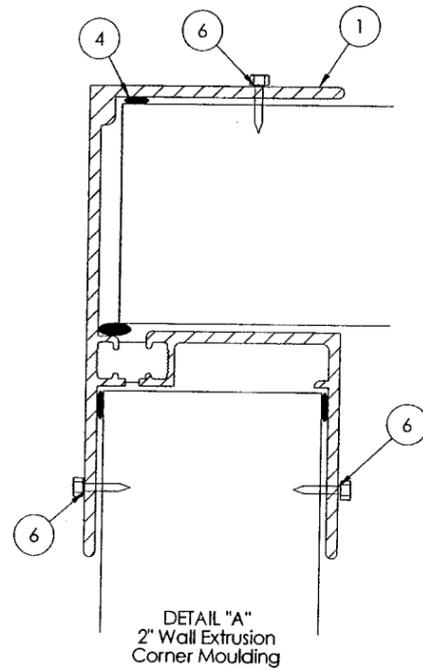


(NOT PART OF THIS APPROVAL)



Item No.	Description
1	W - CHANNEL
2	U - CHANNEL
3	H - CHANNEL
4	POLYURETHANE ADHESIVE SEALANT
5	0.375" HILTI FASTENER
6	12-14 x 1" S.S. HEX HEAD TEK FASTENER
7	FOAM PANEL PER 07308 SHEET 6 OF 8

NOTES:  
1. UNSPECIFIED WALL THICKNESS .100.  
2. ALUMINUM ALLOY/TEMPER 6006-T5.  
3. REFERENCE DWG. C-07308-1 FOR DETAIL VIEWS.



PRODUCT REVISED  
as complying with the Florida  
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Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *Helmut A. Mah*  
Miami Dade Product Control  
Division

*Am Spine*  
12/25/10

Win Barnett, PE  
P.O. Box 875  
Tampa, FL 33601

REV. A 1. ADDED DETAILS A, B, C & D. 2. REVISED DWG. NUMBER. D.M.L. 8-22-05	REV. B 1. REVISED DWG. BORDER DISCLAIMER. D.M.L. 11-6-07	REV. C 1. REVISED TITLE BLOCK LOGO. D.M.L. 1-21-10	MARKS	General Notes: - Unit must be installed and operated in accordance with service manual G875F. - When fan(s) is in operation, inlet or duct damper(s) must be open to prevent damage to the unit. - Unit to be installed on level surface. - Curb/steel mounted units over 10'-0" wide must have perimeter support and support beneath each shipping split. Curb/Steel mounted units over 15'-0" may require additional support. Consult factory. Sections may deflect during rigging. Supplementary support midway at shipping splits will facilitate placement of sections. - Trap(s) in drain lines by others. Refer to trap detail: (Right)	<p>P-TRAP DETAIL (NOT PART OF THIS APPROVAL)</p>	CUSTOMER			
			REFERENCE ORDER AND/OR DRAWING C-07308-1			USER 1 BB	ENGINEER		
TITLE Foam Panels Extrusion Details					DRAWING STATUS				
SCALE 1:1					DESIGNER: D.M.L.		CHECKED:		
ORDER NUMBER 050061-01					DATE: 7-26-05		DATE:		
J.O. NUMBER 07308					DRAWING NO. (REF. JO#) 07308		REV. C		
					SHEET 7 OF 8				

REV. C  
1. REVISED TITLE BLOCK LOGO.  
D.M.L. 1-21-10

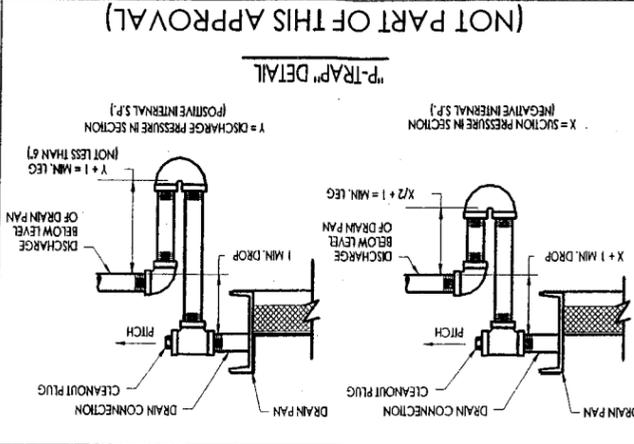
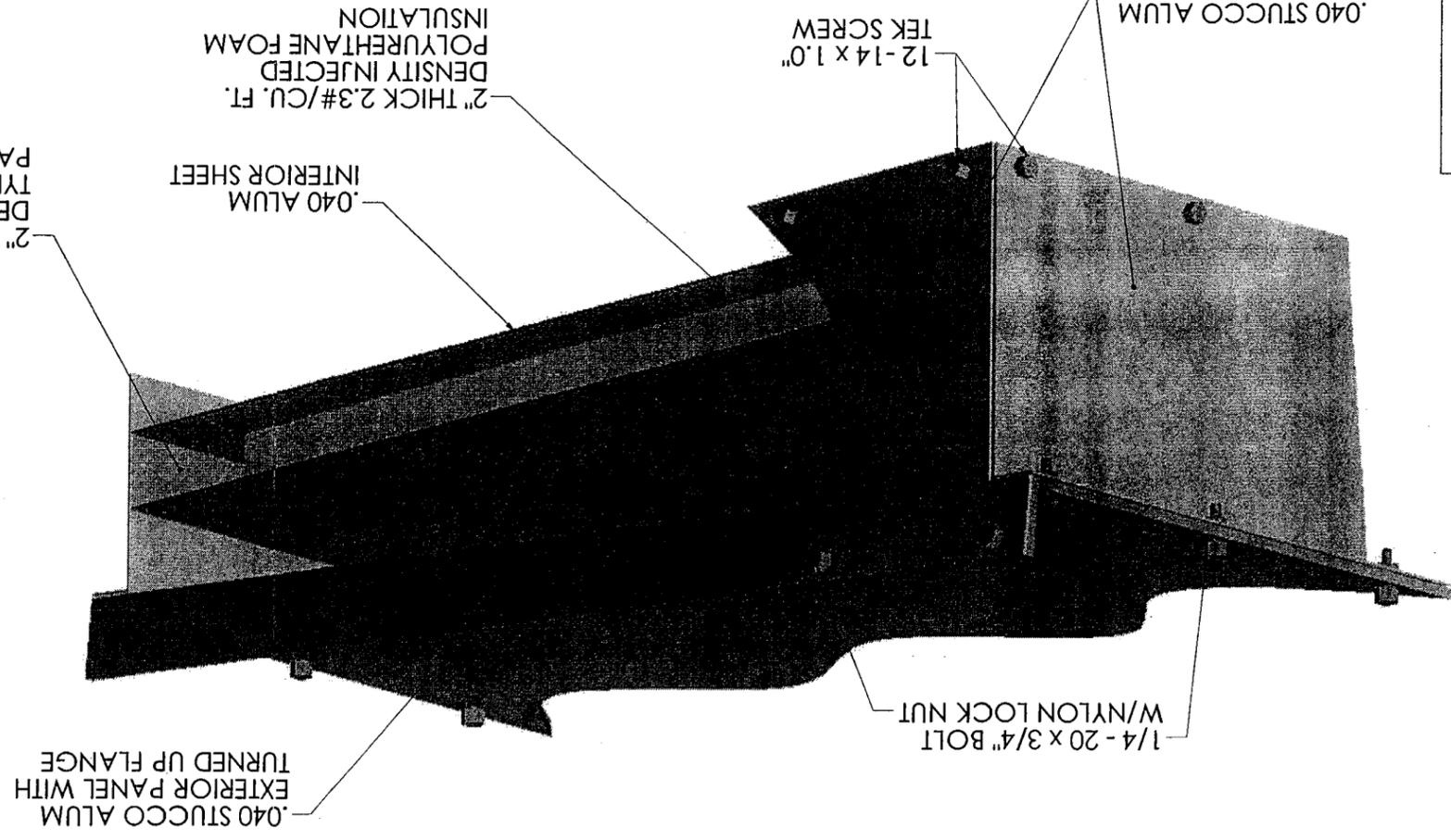
REV. A  
1. REVISED DWG. NUMBER.  
D.M.L. 8-22-05

REV. B  
1. REVISED DWG. BORDER DISC  
2. ADDED NOTES.  
D.M.L. 11-6-07

MARKS

General Notes:  
- Unit must be installed and operated in accordance with service manual G875F.  
- Trap in drain lines by others. Refer to figure 6 & 7 in service manual G875F.  
- When fan is in operation, inlet or duct damper(s) must be open to prevent damage to the unit.  
- Unit to be installed on level, solid surface.

REFERENCE ORDER AND/OR DRAWING  
C-07308-1



(NOT PART OF THIS APPROVAL)

**BUFFALO**  
AIR HANDLING

DRAWING STATUS		SCALE	J.O. NUMBER
DESIGNER: D.M.L.		1:4	07308
CHECKED:		DATE: 7-26-05	ORDER NUMBER 050061-01
TITLE: SLOPED ROOF PANEL DETAIL		DATE: 7-26-05	DRAWING NO. (REF. JO#) 07308
CUSTOMER	USER: 1 BB	ENGINEER	REV. C

**Root Construction:**

The Roof inner panel measured 23.750" wide x 95.750" long x 2.0" thick, with 0.040" stucco Aluminum over / 0.040" Aluminum inner skins. Between the two skins was a 1.9375" x 2.0", 2.0 lb/cft density Polyisocyanurate foam board around the perimeter filled with 2.5 lb/cft expanded Polyurethane. The K1 Roofing panel, 0.040" thick, was secured to the cabinet using 0.063" thick L-angle 1.250" x 2.0" on the front and a 0.063" thick L-angle 1.250" x 3.0" on the back (drawing 07308, sheet 4 of 8 and 07308, sheet 8 of 8), secured to the wall panels with #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, located 1.0" from the end and 6.0" on center after both L-angles. A 0.063" thick angled side panel for proper roof pitch was secured to the side walls with #12-14 x 1.0" S.S. Hex Head Tek screws with neoprene bonded washers, 1.0" from the end and 6.0" on center after for both sides. The K1 roof Panel was secured to the L-angles with 1/4-20 x 0.75" Flange head bolt and nylon lock nuts, located front and rear of the panels located from left to right 1.0" from the end and 6.0" on center. Adhesive sealant was used between the K1 panels and the L-angle. A U-shaped cap covered the side panel utilizing the same bolt and nuts located from the end, left to right 1.0", 13.0", and 26.0" both ends. Each K1 panel is seamed together at the high rib with adhesive sealant applied inside the seam.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09/01/2010  
Expiration Date 04/24/2013  
By *[Signature]*  
Miami Date Product Control  
Division

Wir Barnett, PE  
P.O. Box 375  
Tampa, FL 33601

*[Signature]*  
7/28/10