



**MIAMI-DADE COUNTY**  
**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)**  
**BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599

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

**NOTICE OF ACCEPTANCE (NOA)**

**Pottorff Division of PCI Industries**  
**5101 Blue Mound Road**  
**Forth Worth, TX 76106**

**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 Section 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 Section (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 Section 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 Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Model EFD-637-MD PH Aluminum Louver**

**APPROVAL DOCUMENT:** Drawing No. **DCP-EFD-637**, titled "Dade County Penthouse (Louvered Enclosure)" sheets 1 through 16 of 16, dated 04/21/05 with last revision dated 11/18/05, prepared by Pottorff, signed and sealed by Frank A. Cleaton, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, City, State and 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 **renews NOA # 05-0725.05** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
 103/02/11

**NOA No. 11-0119.23**  
**Expiration Date: December 29, 2015**  
**Approval Date: March 24, 2011**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 05-0725.05”**

1. Drawing No. **DCP-EFD-637**, titled “Dade County Penthouse (Louvered Enclosure)” sheets 1 through 16 of 16, dated 04/21/05 with last revision dated 11/18/05, prepared by Pottorff, signed and sealed by Frank A. Cleaton, P.E.

**B. TESTS “Submitted under NOA # 05-0725.05”**

1. Test report of Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 on “Louvered Enclosure”, prepared by Hurricane Test Laboratory LLC, report #0399-0407-05 specimen #1, test date 04/27 & 28/05, signed and sealed by V. J. Abraham PE.
2. Test report of Surface Burning Characteristics per ASTM E-84 on “Prefinished aluminum face EPS foam core composite”, prepared by Hardwood Plywood & Veneer Association Laboratory and Testing Service, test number T-11833, dated 11/15/05, and signed by R. L. Chapman.
3. Test report of Ignition Properties of Plastics per ASTM D1929 on “1-1/2 lb density EPS foam”, prepared by VTEC Laboratories Inc test number 100-2280, dated 11/10/05 and signed by A. Rahim.

**C. CALCULATIONS “Submitted under NOA # 05-0725.05”**

1. Structural calculation prepared by S. I. Blanchard, sheets 1 through 14 signed and sealed by Frank A Cleaton, P.E., on 06/07/05.

**D. QUALITY ASSURANCE**

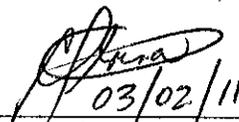
1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

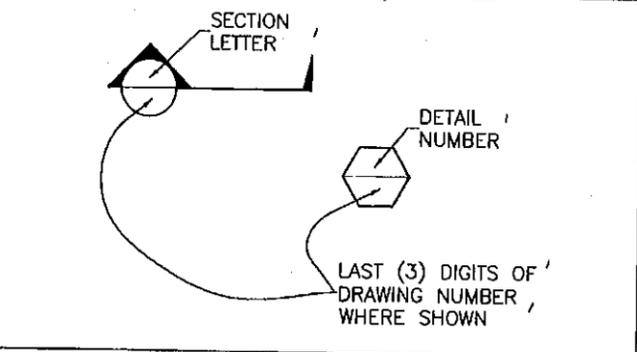
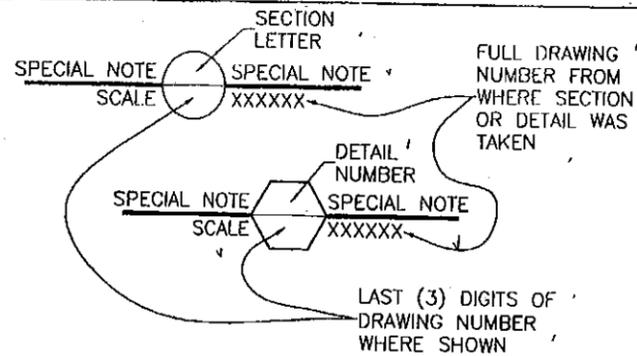
1. Statement letter of code conformance to FBC 2007, issued by Davis & Cleaton Engineering, Inc., dated 02/18/11, signed and sealed by Frank A. Cleaton, Jr., P.E.
2. No financial interest and Code compliance letter issued by All-Lite Louvers a Division of PCI Industries, Inc dated 09/20/05, signed and sealed by Frank A. Cleaton, Jr., P.E. “Submitted under NOA # 05-0725.05”



03/02/11

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 11-0119.23

Expiration Date: December 29, 2015  
Approval Date: March 24, 2011



**SECTION AND DETAIL NOTATION**

**NOTES:**

1. THE ANALYSIS OF FASTENERS AND ANCHORS IS IDENTIFIED IN THE STRUCTURAL REPORT.
2. UNIT OF MEASURE IS IN FRACTIONAL INCHES.
3. PENTHOUSES TO BE SHIPPED FULLY ASSEMBLED. NO FIELD ASSEMBLY REQUIRED.
4. THIS ENCLOSURE IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM INSIDE THE ENCLOSURE IS DESIGNED TO DRAIN WATER PENETRATING THE LOUVERS AND THE ROOM WILL HOUSE WATER RESISTANT / WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
5. THIS PRODUCT CONFORMS TO AND IS IN COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODE.

PERFORMANCE DATA		
VARIABLE	VALUE	DESCRIPTION
Measured Free Area	9.50 ft <sup>2</sup> 48"x48" 0.88 m <sup>2</sup> 122cmx122cm	
Free Area %	59.38 %	Measured Free Area/16ft <sup>2</sup>
Air Velocity	990.00 fpm @ Beginning Point Of H <sub>2</sub> O Penetration 301.75 mpm	
Volumetric Air Flow	9,405.00 cfm @ 0.01 oz./ft. <sup>2</sup> Free Area 4.44 cms	
Pressure Drop	0.11 in. of H <sub>2</sub> O @ 0.01 oz./ft. <sup>2</sup> Free Area 27.37 pascals	
Air Velocity	1,150.00 fpm @ Pressure Drop Of: 0.15" H <sub>2</sub> O 350.52 mpm	
Volumetric Air Flow	10,925.00 cfm @ Pressure Drop Of: 0.15" H <sub>2</sub> O 5.16 cms	

**AMCA CERTIFIED RATINGS**

**WATER PENETRATION AIR PERFORMANCE**

POTTORFF certifies that louver model EFD-637-MD is licensed by the Air Movement and Control Association (AMCA). POTTORFF certifies that the performance ratings shown were developed in accordance with the requirements of AMCA test method 500L and the AMCA 511-99 program. POTTORFF further certifies that the product to be provided performs within the tolerance allowed by this program.

MATERIAL: FRAME - 0.125" (3.175mm) 6063-T5 EXTRUDED ALUMINUM  
BLADE - 0.081" (2.057mm) 6063-T5 EXTRUDED ALUMINUM

PENTHOUSE SIZE LIMITS		
TEST UNIT	MAXIMUM	MINIMUM
WIDTH: 88 3/16"	WIDTH: 90"	WIDTH: 12"
LENGTH: 100 3/16"	LENGTH: 102"	LENGTH: 12"
HEIGHT: 57 7/16"	HEIGHT: 60"	HEIGHT: 12"

MAX DESIGN PRESSURE: ±80 PSF

PRODUCT NAME: MIAMI DADE APPROVED PENTHOUSE

PRODUCT MODEL # EFD-637 MD PH

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 11-0119-03 Approved as complying with the Florida Building Code  
Expiration Date 12/25/2015 Date 12/23/05  
By [Signature] NOAH 03-0125-05  
Miami Dade Product Control Miami Dade Product Control Division

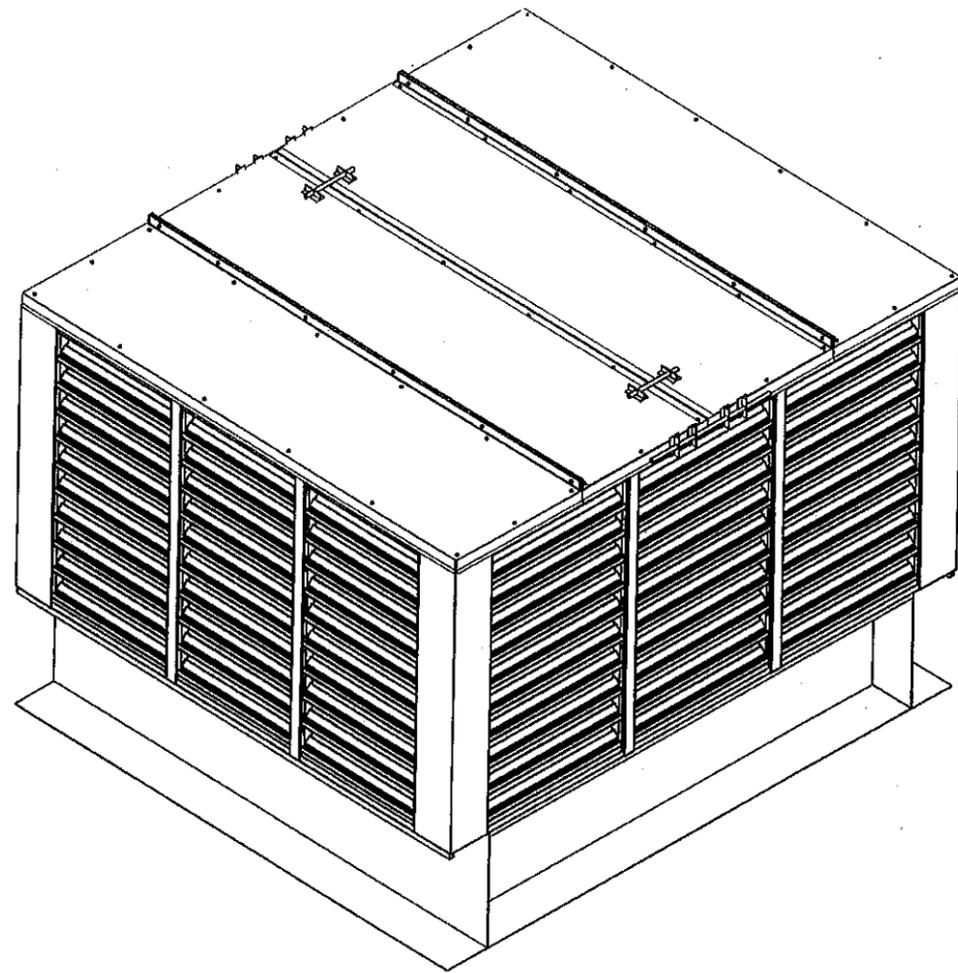
FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

REV. NO.	DESCRIPTION	DATE	DRAWN BY
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1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

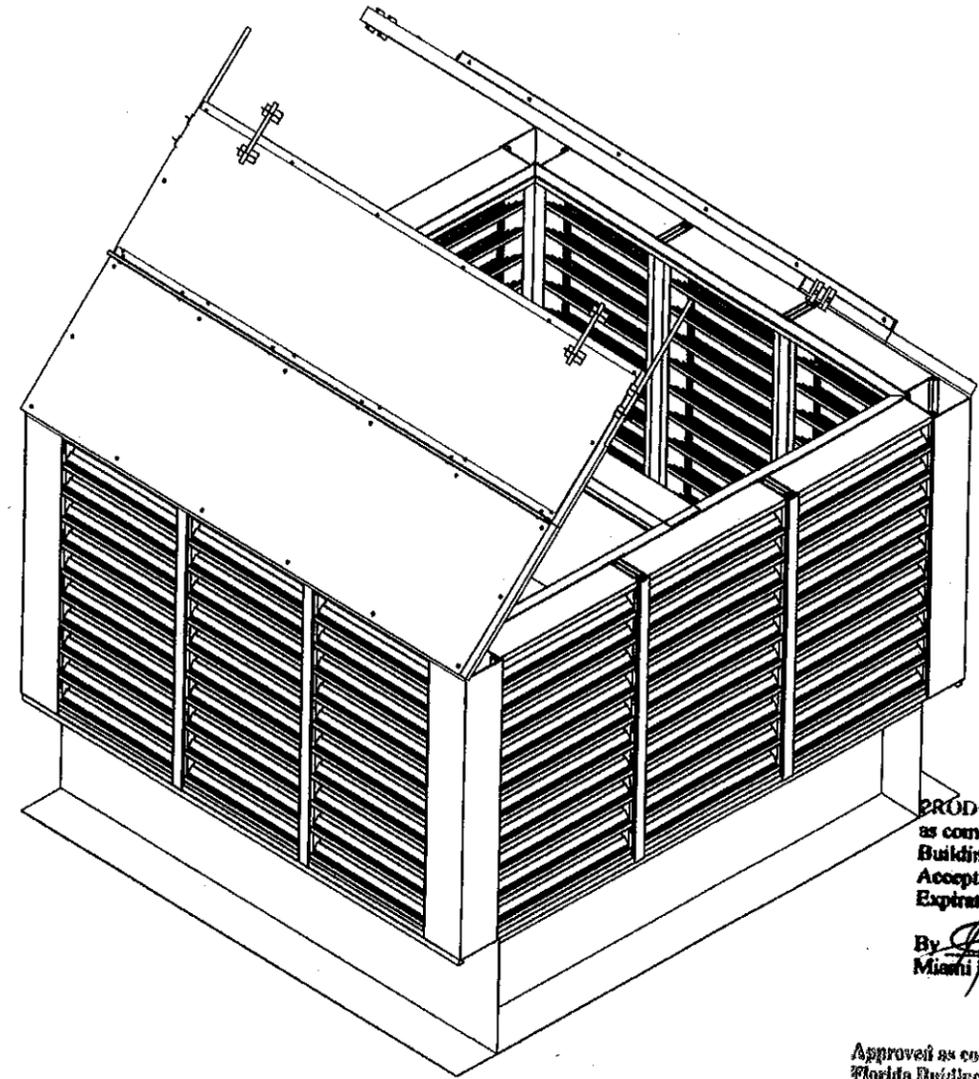
**POTTORFF** 5101 Blue Mound Road  
Fort Worth, Texas 76106  
Phone: 817-509-2300  
Fax: 817-831-3110

DRAWING DESC.: COVER PAGE  
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE) ✓  
LOCATION:  
ARCHITECT:  
CUSTOMER:  
DATE: 4/21/05 DWN BY: DJS POTTORFF ORDER NO. DRAWING REF. NO. DRAWING NO.  
SCALE: NONE SHEET: 1 of 16 C-1 DCP-EFD-637

*[Handwritten signature]*



HINGED-ROOF PENTHOUSE  
(ROOF CLOSED) ✓



HINGED-ROOF PENTHOUSE ✓  
(ROOF OPEN)

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 11-0119.03  
Expiration Date 12/27/2015  
By [Signature]  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 12/29/05  
NOA# 05-0725.05  
Miami Dade Product Control  
Division  
By [Signature]

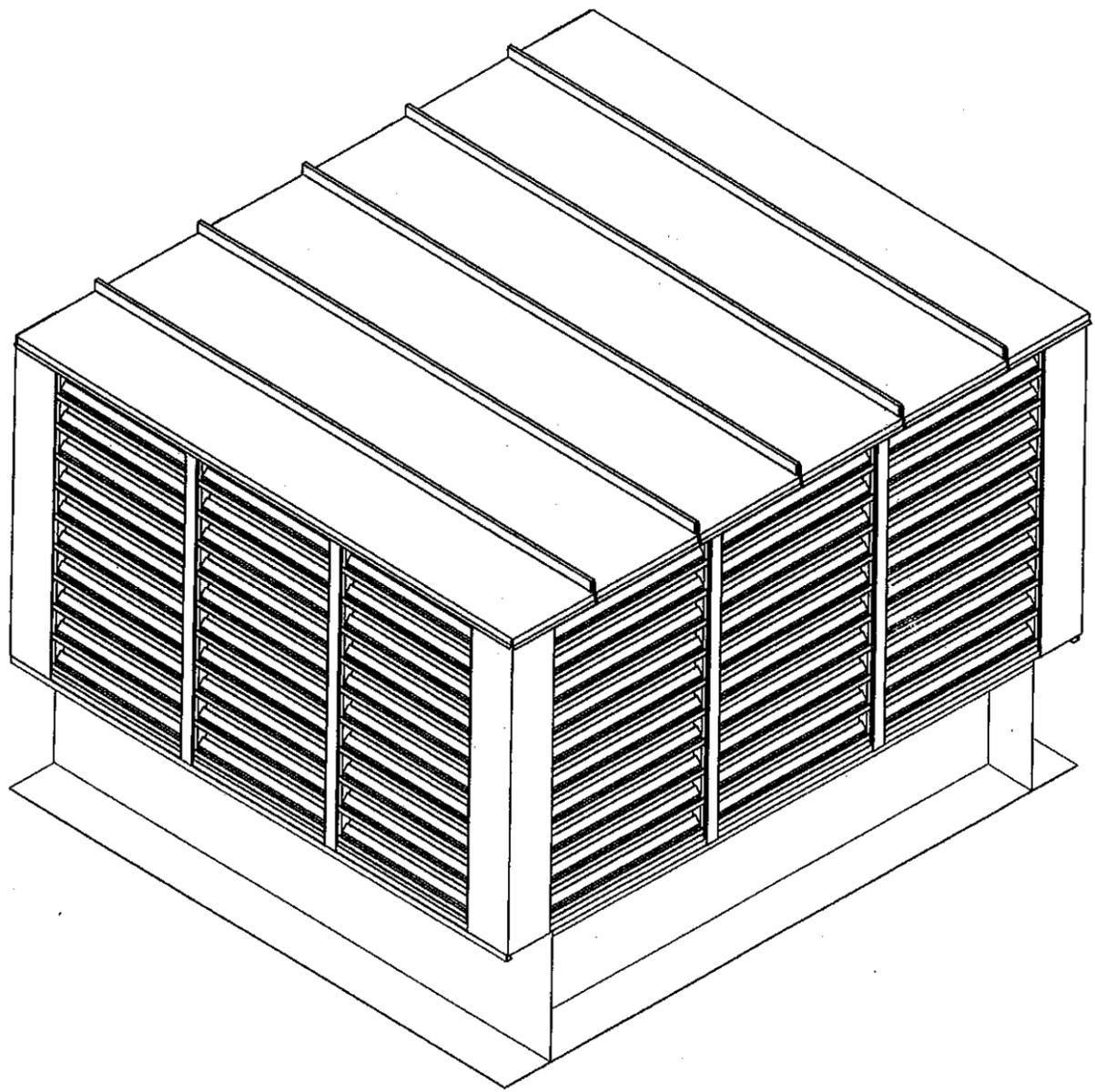
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
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1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

**POTTORFF®** 5101 Blue Mound Road  
Fort Worth, Texas 76106  
Phone: 817-509-2300  
Fax: 817-831-3110

DRAWING DESC.: 3D PICTORIALS OF THE HINGED-ROOF PENTHOUSE  
PROJECT: DADE COUNTY PENTHOUSE (LOUVER ENCLOSURE)  
LOCATION:  
ARCHITECT:  
CUSTOMER:  
DATE: 4/21/05 DWN BY: DJS POTTORFF ORDER NO. DRAWING REF. NO. DRAWING NO.  
SCALE: NONE SHEET: 2 of 18 C-2 DCP-EFD-637 ✓

*[Handwritten signature]*



STATIONARY-ROOF PENTHOUSE /

*Handwritten signature and date: 4/28/05*

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-0119.03  
 Expiration Date 12/29/2015  
 By [Signature]  
 Miami Dade Product Control

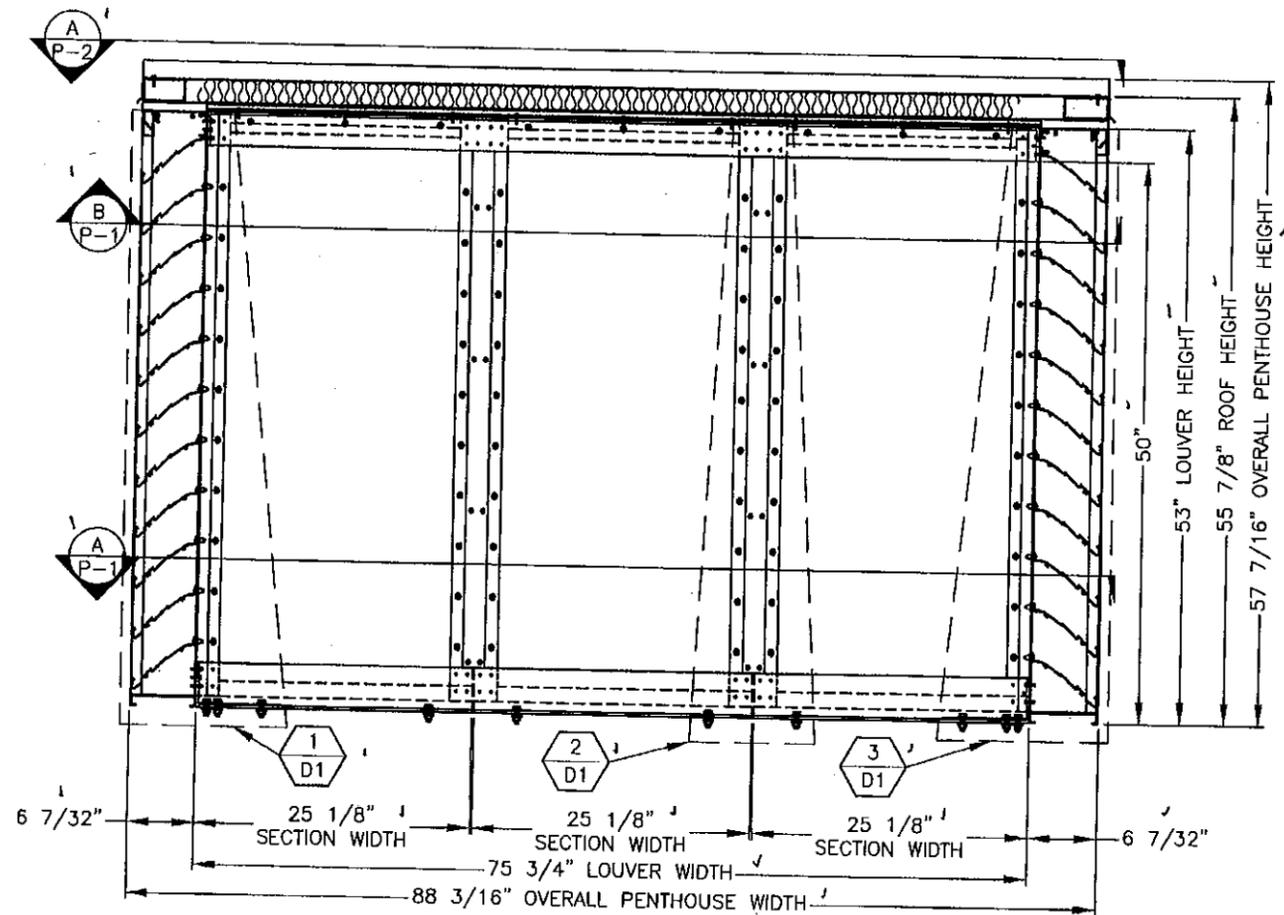
Approved as complying with the  
 Florida Building Code  
 Date 12/29/05  
 NOA# 0510125.03  
 Miami Dade Product Control  
 Division [Signature]  
 By

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

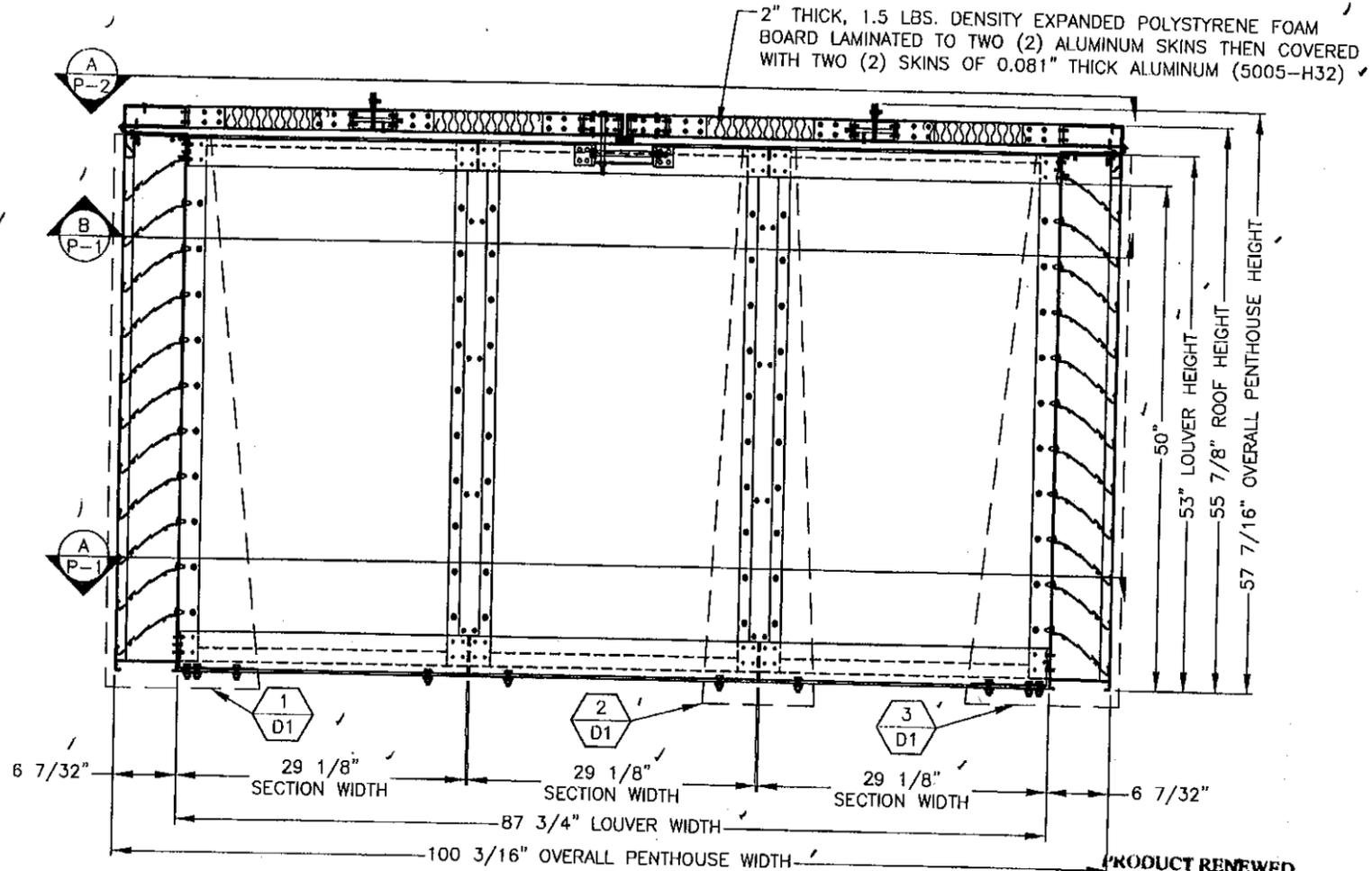
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2	MADE CHG'S PER 10/7/05 LETTER	11/18/05	DJS
1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

**POTTORFF®** 5101 Blue Mound Road  
 Fort Worth, Texas 76106  
 Phone: 817-509-2300  
 Fax: 817-831-3110

DRAWING DESC.: 3D PICTORIAL OF THE STATIONARY-ROOF PENTHOUSE			
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE) /			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.
SCALE: NONE	SHEET: 3 of 16	C-3	DRAWING NO. DCP-EFD-637 /



HINGED-ROOF WALL ELEVATION A SHORT WALL (VIEWED FROM INTERIOR)  
3/4"=1' E-1 P-1



HINGED-ROOF WALL ELEVATION B LONG WALL (VIEWED FROM INTERIOR)  
3/4"=1' E-1 P-1

PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No 11-0119.03  
Expiration Date 12/29/2015  
By *[Signature]*  
Miami Dade Product Control

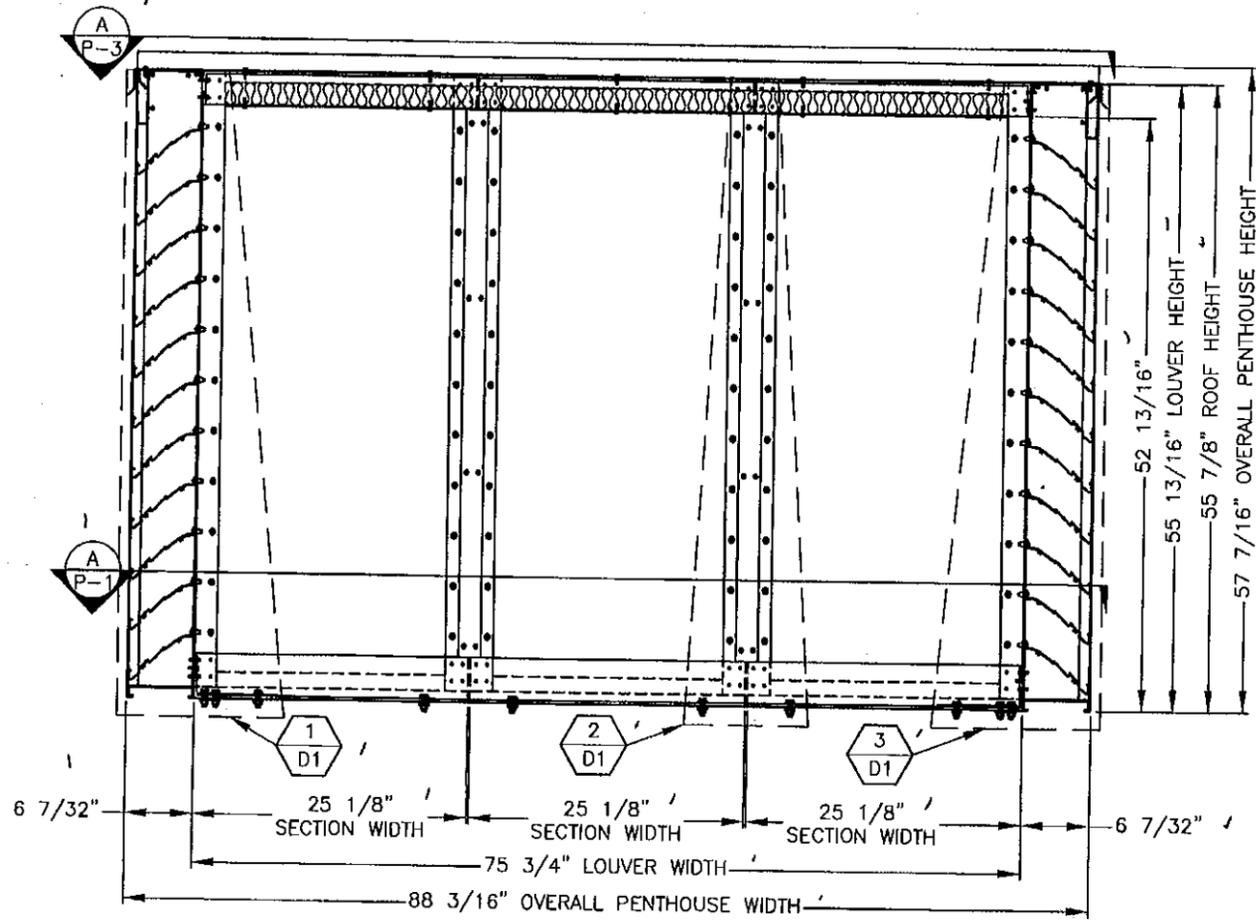
2" THICK, 1.5 LBS. DENSITY EXPANDED POLYSTYRENE FOAM BOARD	
FLAME SPREAD INDEX	25
SMOKE DEVELOPED INDEX	75
SELF IGNITION TEMPERATURE	520°C

Approved as complying with the Florida Building Code  
Date 12/29/05  
NOA# 05-0725.05  
Miami Dade Product Control  
Division *[Signature]*

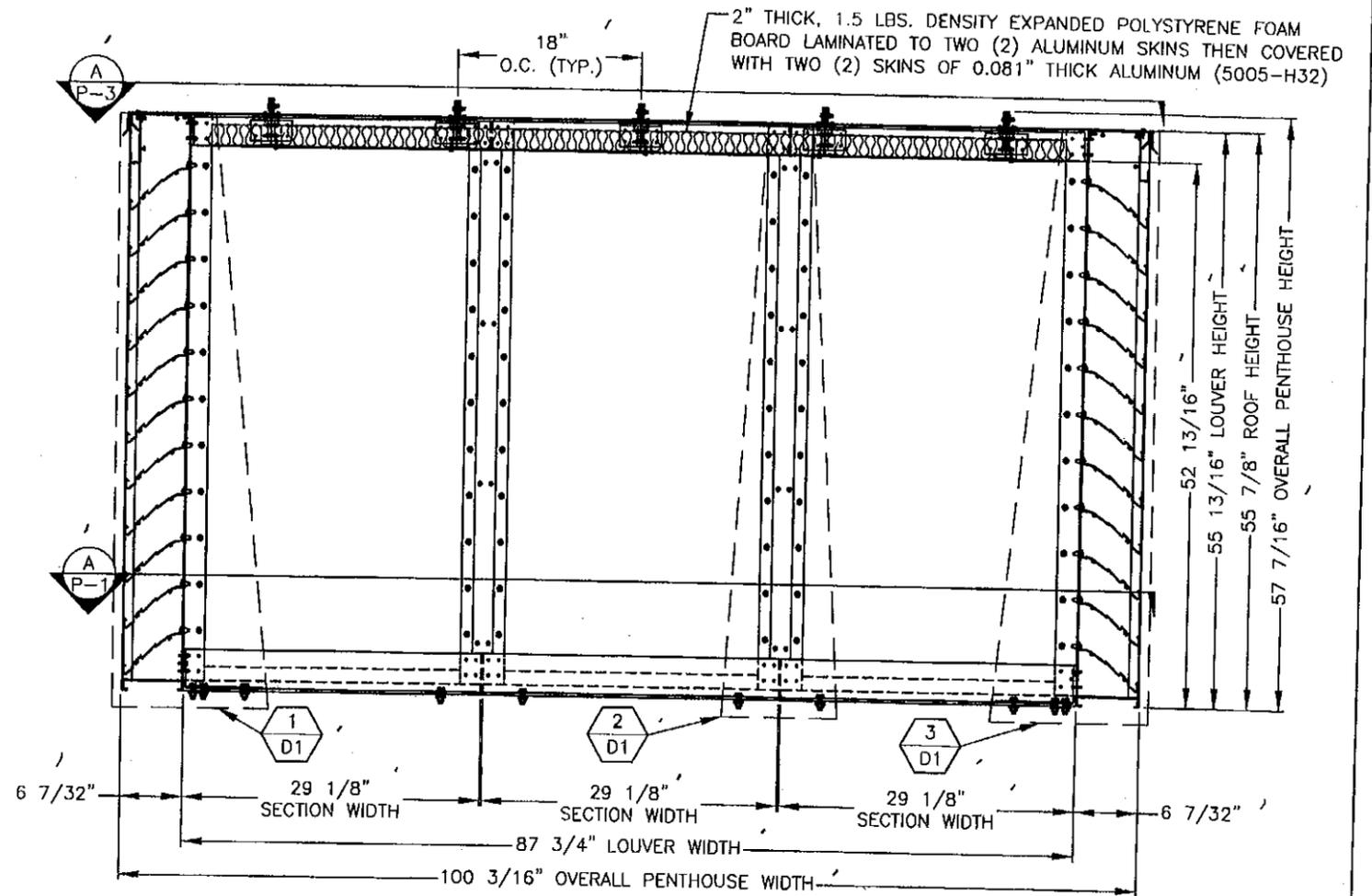
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
2	MADE CHG'S PER 10/7/05 LETTER	11/18/05	DJS
1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

<b>POTTORFF®</b>		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110		
DRAWING DESC.: HINGED-ROOF ELEVATIONS (VIEWED FROM INTERIOR)				
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE) /				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO. E-1	DRAWING NO. DCP-EFD-637 /
SCALE: NOTED	SHEET: 4 of 16			



STATIONARY-ROOF WALL ELEVATION **A** SHORT WALL (VIEWED FROM INTERIOR)  
3/4"=1' E-2 P-3



STATIONARY-ROOF WALL ELEVATION **B** LONG WALL (VIEWED FROM INTERIOR)  
3/4"=1' E-2 P-3

2" THICK, 1.5 LBS. DENSITY EXPANDED POLYSTYRENE FOAM BOARD	
FLAME SPREAD INDEX	25
SMOKE DEVELOPED INDEX	75
SELF IGNITION TEMPERATURE	520°C

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 11-0119.03  
Expiration Date 12/27/2015  
By *[Signature]*  
Miami Dade Product Control

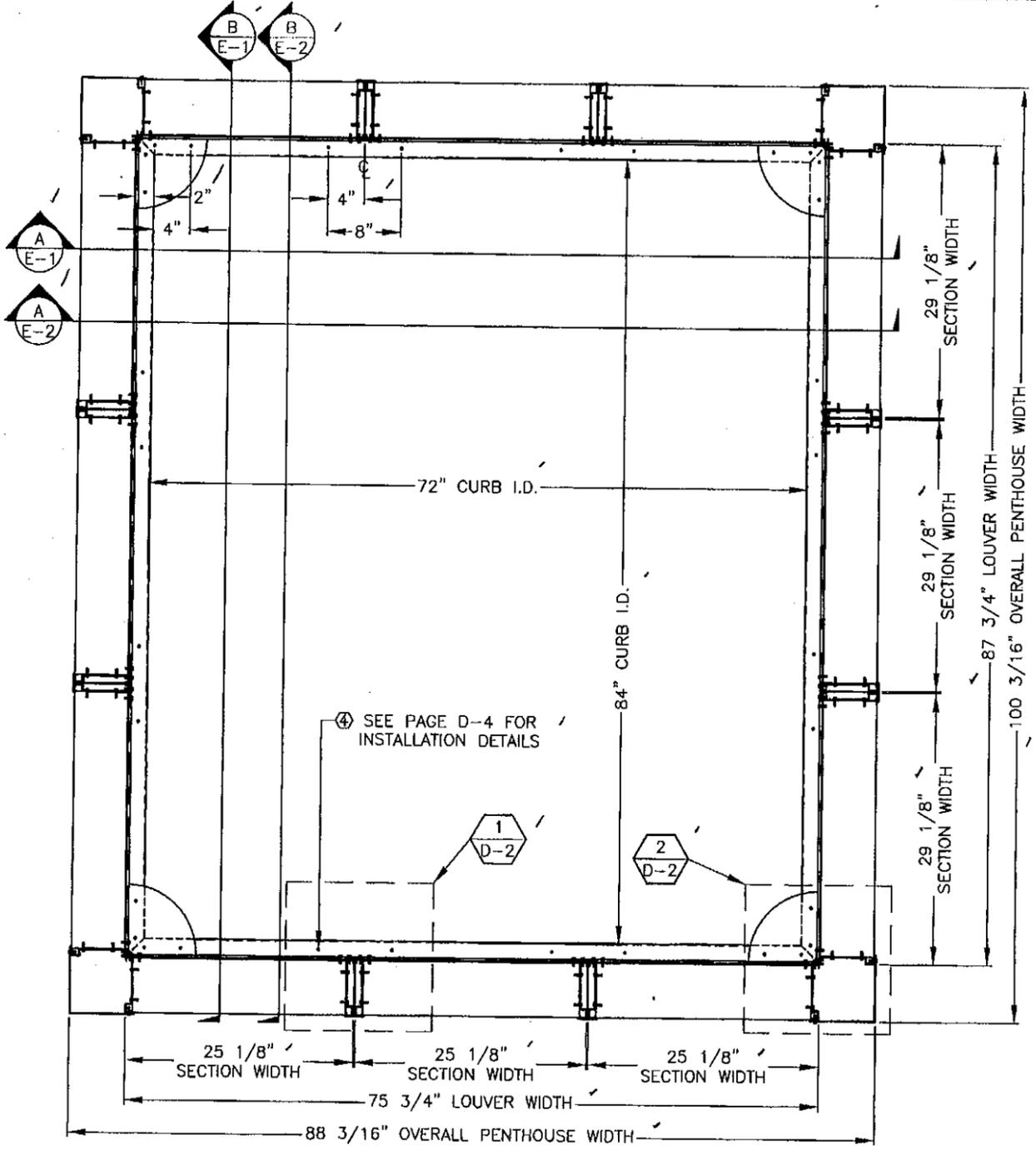
Approved as complying with the Florida Building Code  
Date 12/29/05  
NOA# 05-0725-05  
Miami Dade Product Control  
Division *[Signature]*  
By *[Signature]*

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

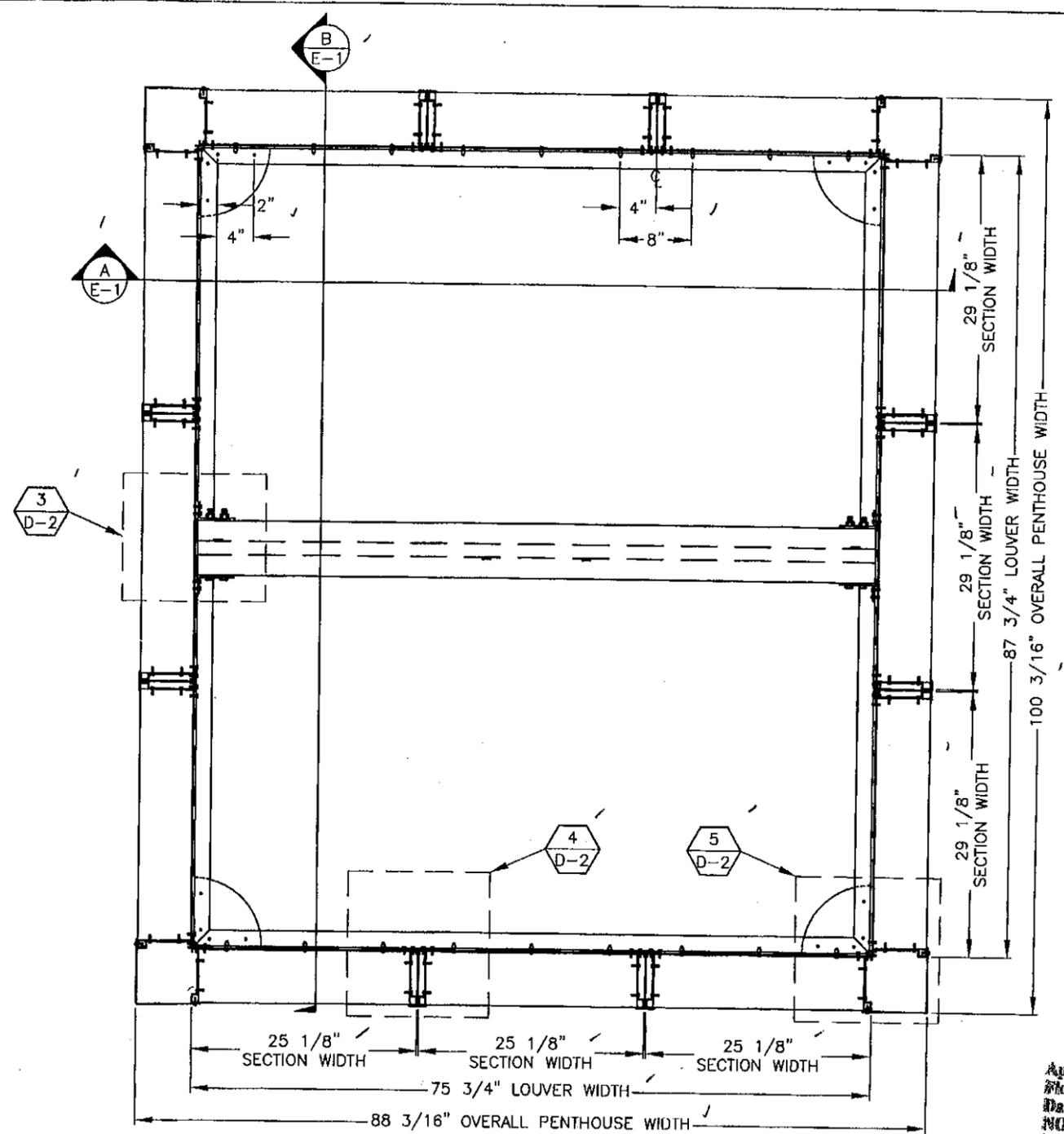
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1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

*[Handwritten signature]*

<b>POTTORFF®</b>		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110		
DRAWING DESC.: STATIONARY-ROOF ELEVATIONS (VIEWED FROM INTERIOR)				
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE) /				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.	DRAWING NO.
SCALE: NOTED	SHEET: 5 of 16	E-2		DCP-EFD-637



PLAN VIEW **A** APPLIES TO BOTH, HINGED-ROOF & STATIONARY-ROOF MODEL PENTHOUSES  
 3/4"=1' P-1 E-1 & E2



REFLECTED PLAN **B** APPLIES TO HINGED-ROOF / MODEL PENTHOUSE  
 3/4"=1' P-1 E-1

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 11-9119.03  
 Expiration Date 12/29/2015  
 By *[Signature]*  
 Miami Dade Product Control

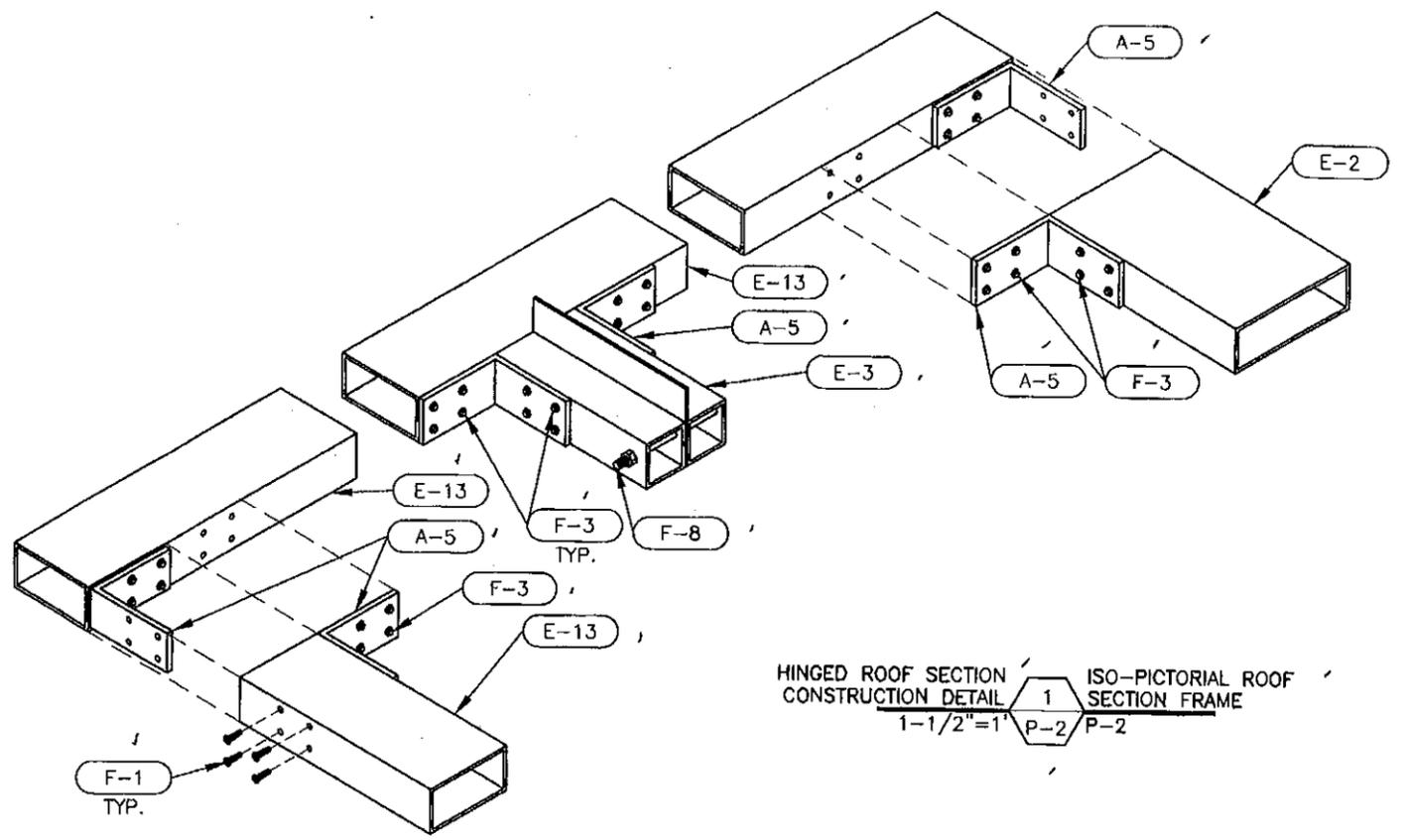
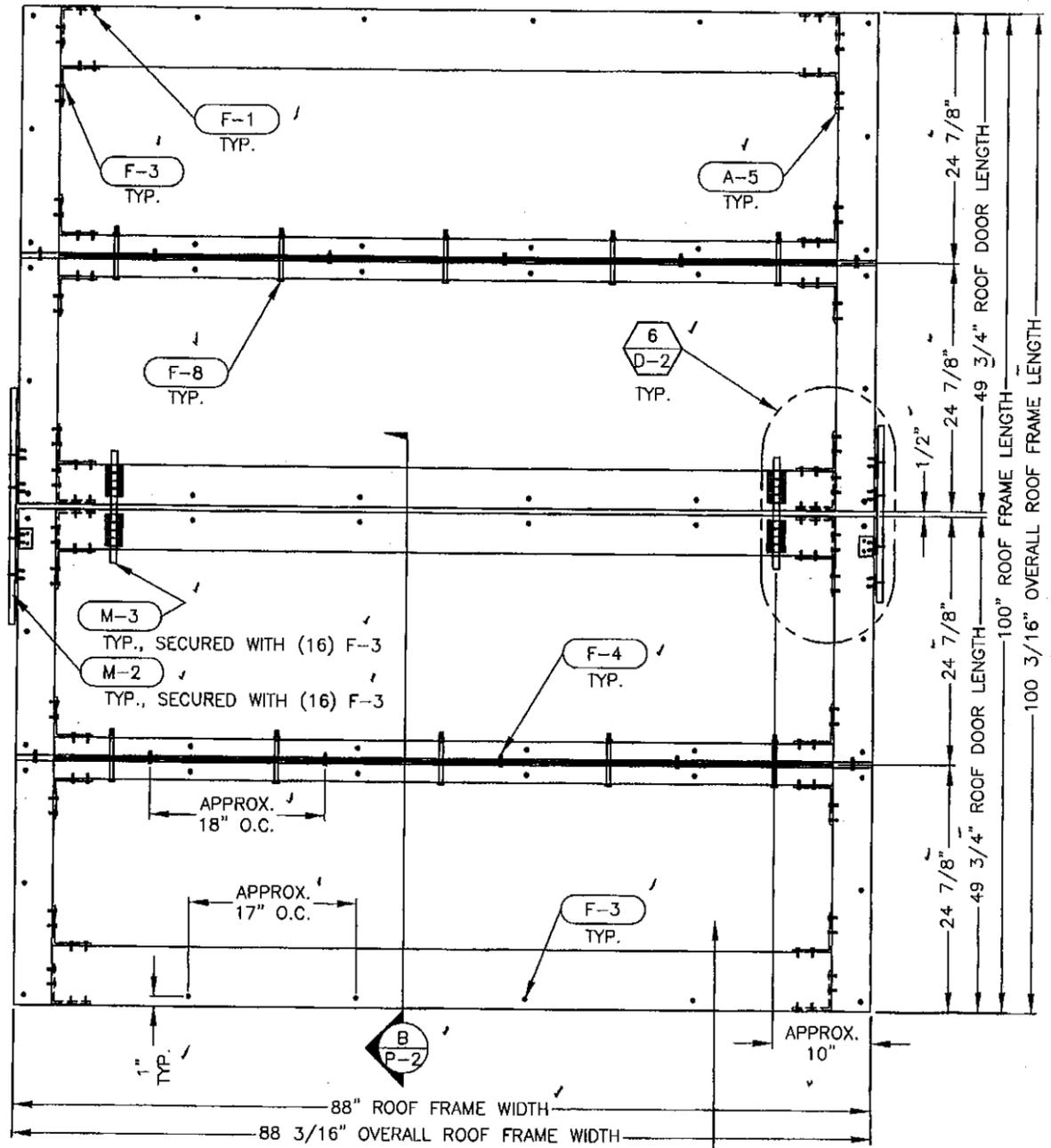
Approved as complying with the  
 Florida Building Code  
 Date 12/29/05  
 MDA# 03-0725.05  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

*[Handwritten signature]*

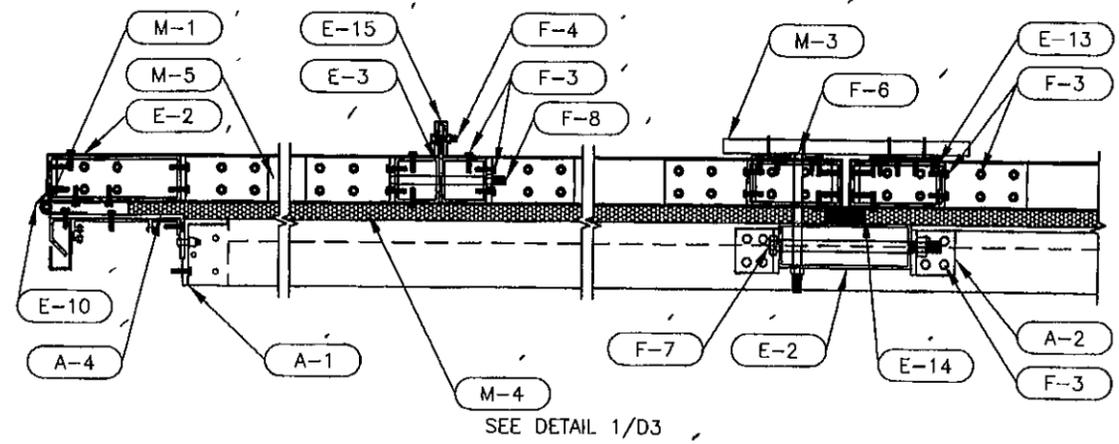
<b>POTTORFF®</b>		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	
DRAWING DESC.: PLAN VIEWS			
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE) ✓			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.
SCALE: NOTED	SHEET: 6 of 16	P-1	DRAWING NO. DCP-EFD-637 ✓

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

REV. NO.	DESCRIPTION	DATE	DRAWN BY
2	MADE CHG'S PER 10/7/05 LETTER	11/18/05	DJS
1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	



HINGED ROOF SECTION CONSTRUCTION DETAIL 1  
 ISO-PICTORIAL ROOF SECTION FRAME  
 1-1/2"=1' P-2/P-2



HINGED ROOF SECTION B  
 1-1/2"=1' P-2/P-2

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-0119.03  
 Expiration Date 12/29/2015  
 By *[Signature]*  
 Miami Dade Product Control

Approved as complying with the  
 Florida Building Code  
 Date 12/29/05  
 NOAH 05-0722-05  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

[NOTE: SHEET METAL  
 REMOVED FOR CLARITY]

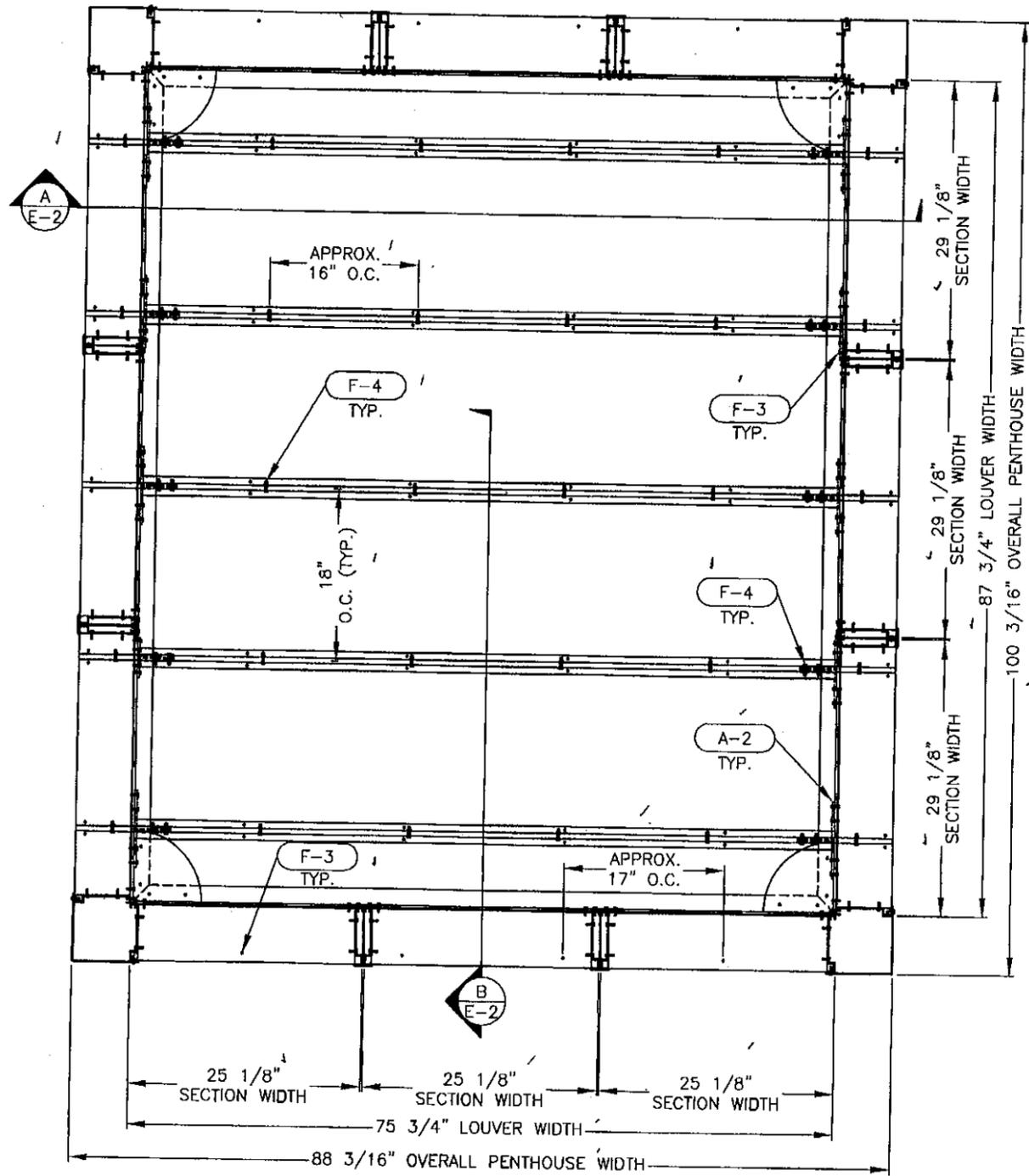
HINGED ROOF PLAN A  
 3/4"=1' P-2/E-1

FILLED WITH 2" POLYSTYRENE WITH  
 TWO SKINS 0.081" ALUMINUM (5005-H32),  
 FASTENED TO TUBE FRAME WITH F-3,  
 MAX. 17" O.C. TYP AROUND  
 PERIMETER OF SKIN.

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

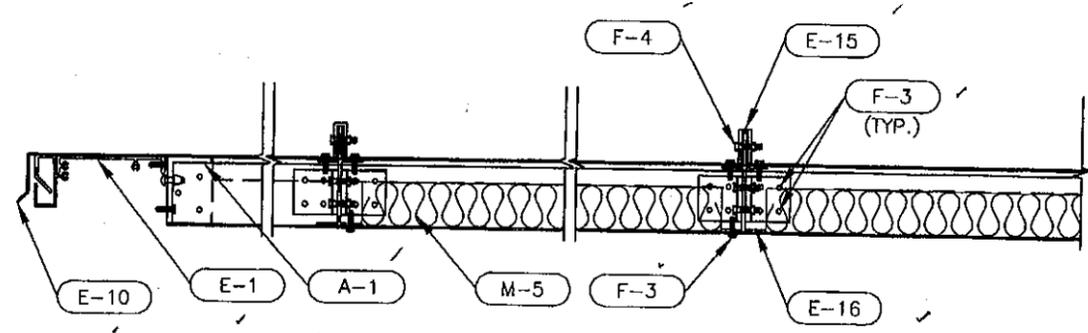
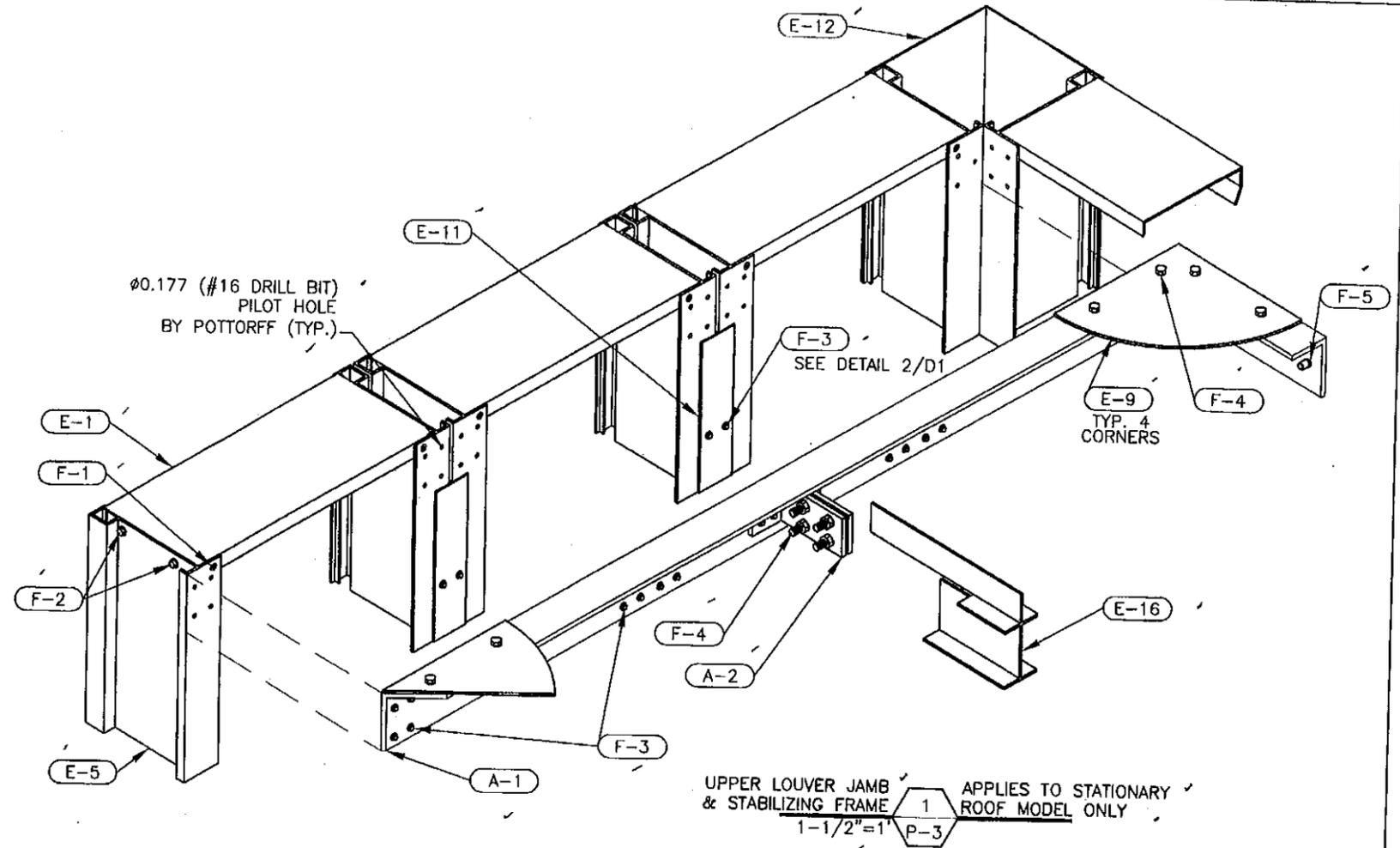
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1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

<b>POTTORFF®</b>		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	
DRAWING DESC.: HINGED-ROOF PLAN / DETAILS			
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE) /			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.
SCALE: NOTED	SHEET: 7 of 16	P-2	DRAWING NO. DCP-EFD-637 /



STATIONARY ROOF PLAN **A**  
 3/4"=1' P-3 E-2

[NOTE: SHEET METAL  
 REMOVED FOR CLARITY]



STATIONARY ROOF SECTION **B**  
 1-1/2"=1' P-3 P-3

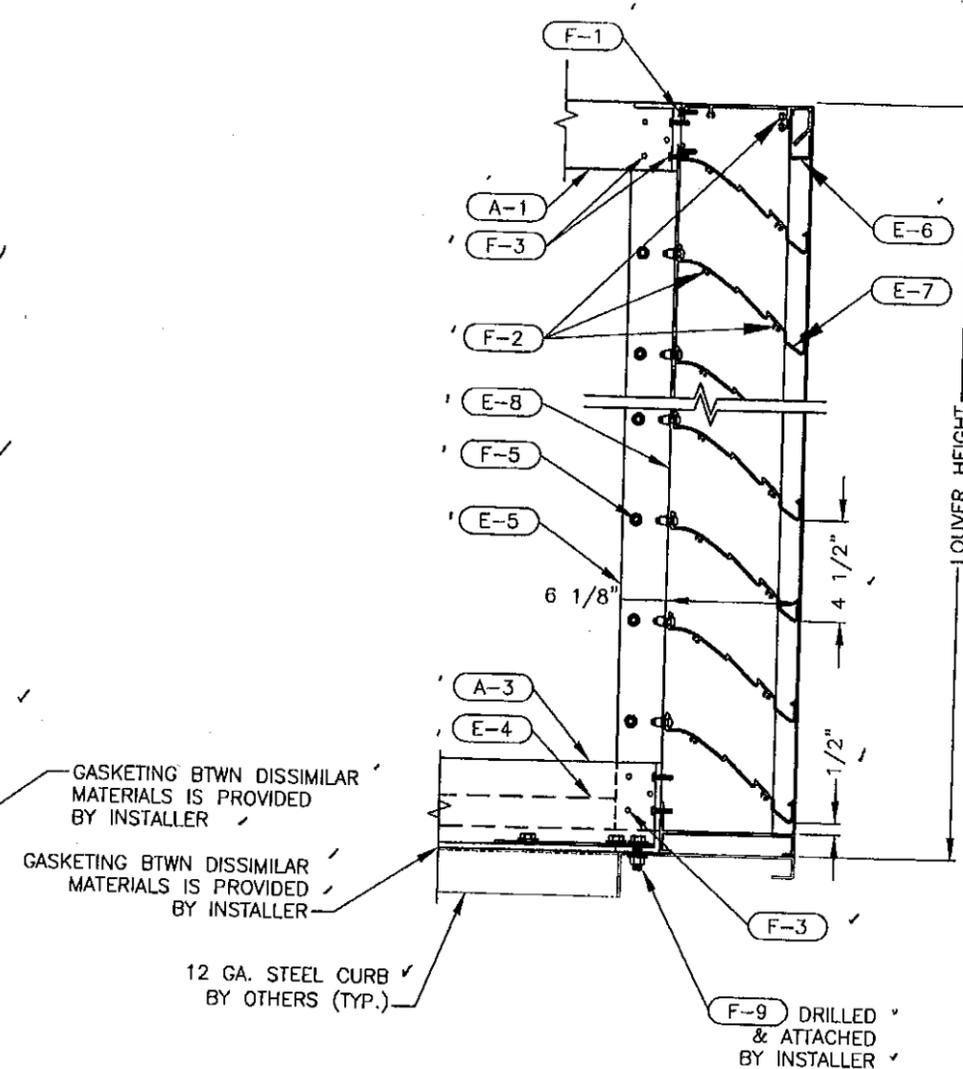
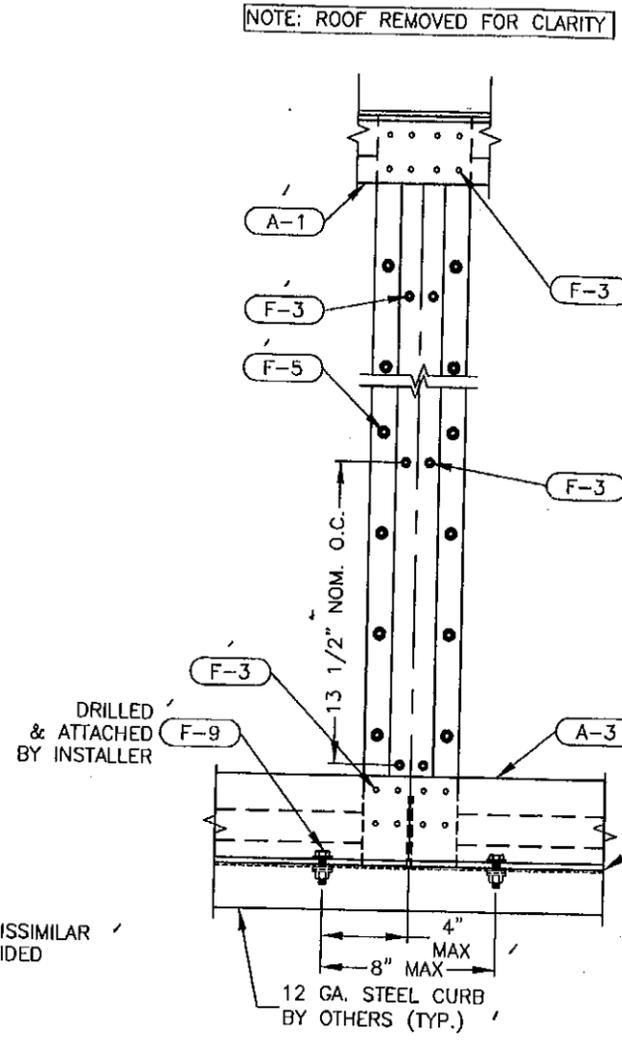
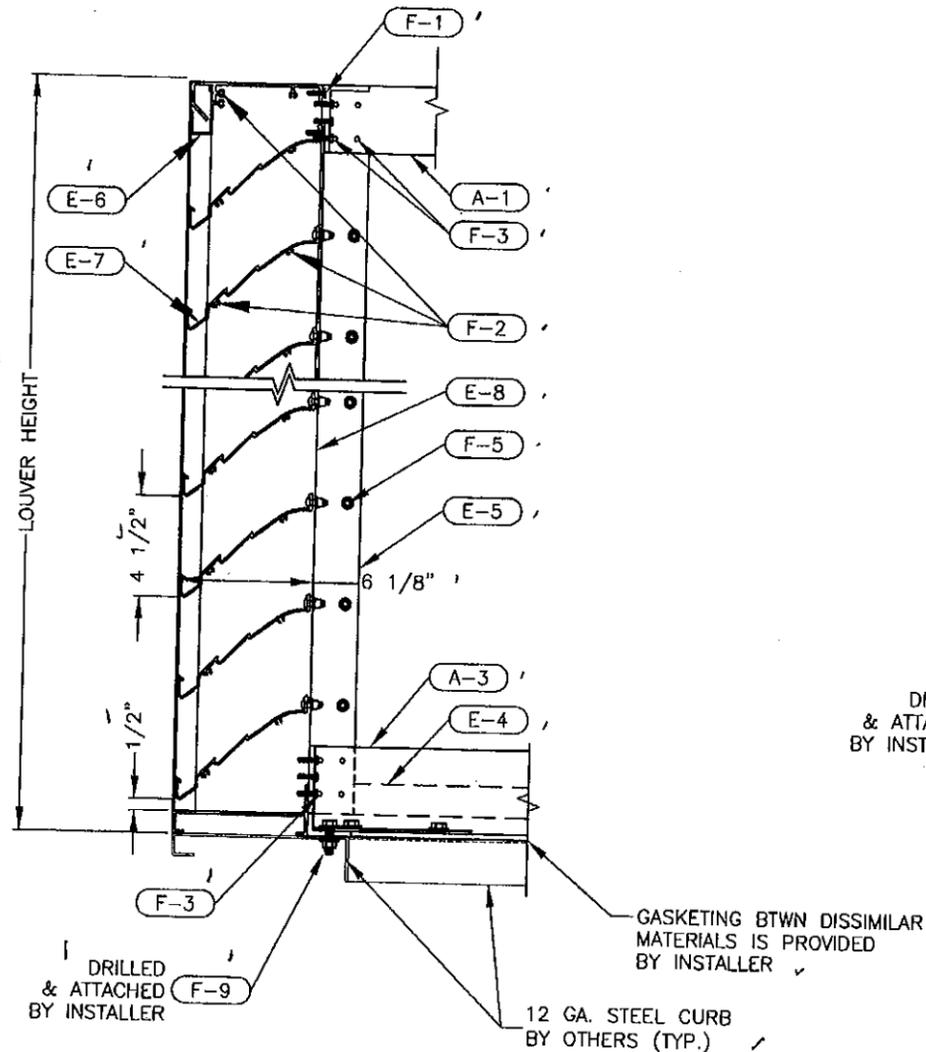
PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-0119-23  
 Expiration Date 12/29/2015  
 By *[Signature]*  
 Miami Dade Product Control

Approved as complying with the  
 Florida Building Code  
 Date 12/29/05  
 NOAA# 05-072505  
 Miami Dade Product Control  
 Division *[Signature]*  
 By *[Signature]*

<b>POTTORFF</b>		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	
DRAWING DESC.: STATIONARY-ROOF PLAN / DETAILS			
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE)			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.
SCALE: NOTED	SHEET: 8 of 16	P-3	DRAWING NO. DCP-EFD-637

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

REV. NO.	DESCRIPTION	DATE	DRAWN BY
2	MADE CHG'S PER 10/7/05 LETTER	11/18/05	DJS
1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	



PRODUCT RENEWED as complying with the Florida Building Code  
 Acceptance No 11-0119.23  
 Expiration Date 12/29/2015  
 By *[Signature]*  
 Miami Dade Product Control

Approved as complying with the Florida Building Code  
 Date 12/29/05  
 P.O.# 05-0725.05  
 Miami Dade Product Control  
 Division *[Signature]*

INSIDE CORNER VERTICAL SECTION DETAIL 1 APPLIES TO BOTH PENTHOUSE MODELS E-1 & E-2  
 1-1/2"=1'

INTERIOR MULLION ELEVATION DETAIL 2 APPLIES TO BOTH PENTHOUSE MODELS E-1 & E-2  
 1-1/2"=1'

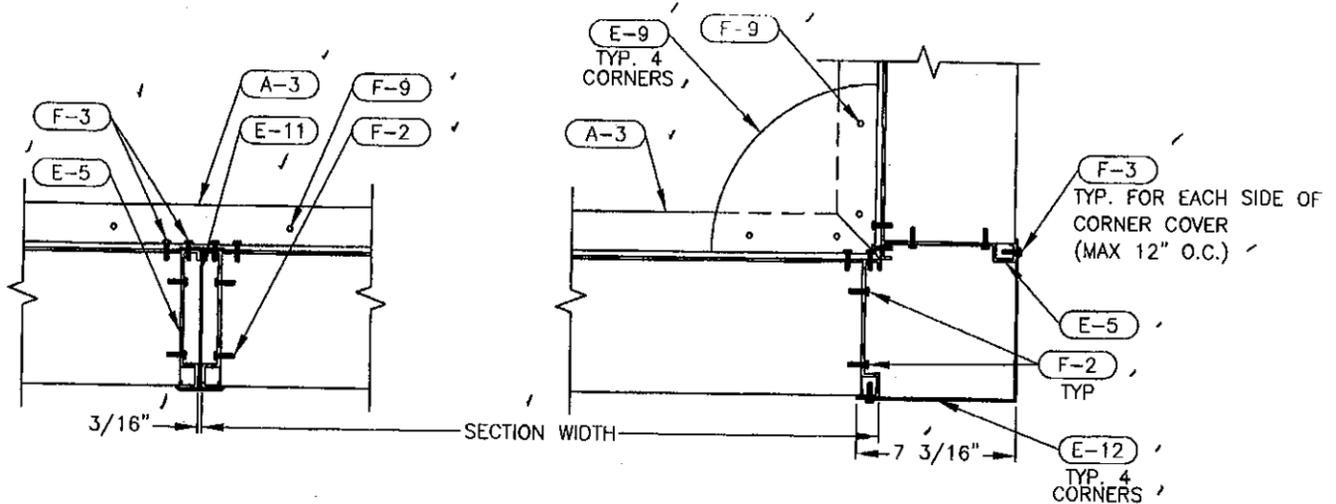
INSIDE CORNER VERTICAL SECTION DETAIL 3 APPLIES TO BOTH PENTHOUSE MODELS E-1 & E-2  
 1-1/2"=1'

*[Handwritten signature]*

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

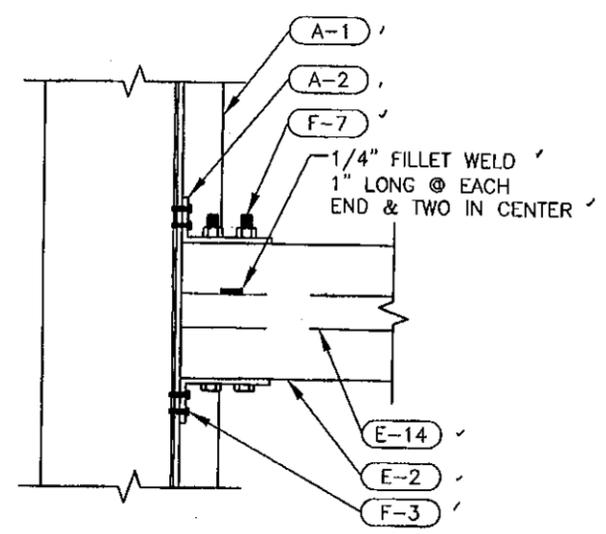
REV. NO.	DESCRIPTION	DATE	DRAWN BY
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1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
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DRAWING DESC.: DETAILS				
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE)				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.	DRAWING NO.
SCALE: NOTED	SHEET: 9 of 16		D-1	DCP-EFD-637 /

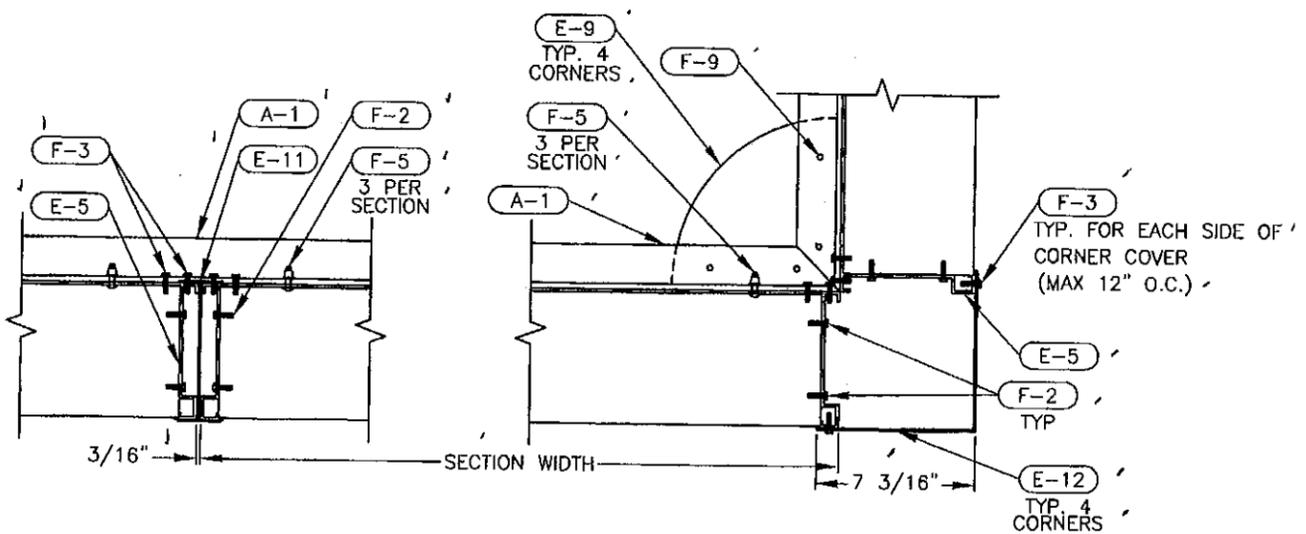


MULLION PLAN DETAIL 1 © BTM OF PENTHOUSE, BOTH MODELS  
1-1/2"=1' D-2/P-1

CORNER PLAN DETAIL 2 © BTM OF PENTHOUSE, BOTH MODELS  
1-1/2"=1' D-2/P-1

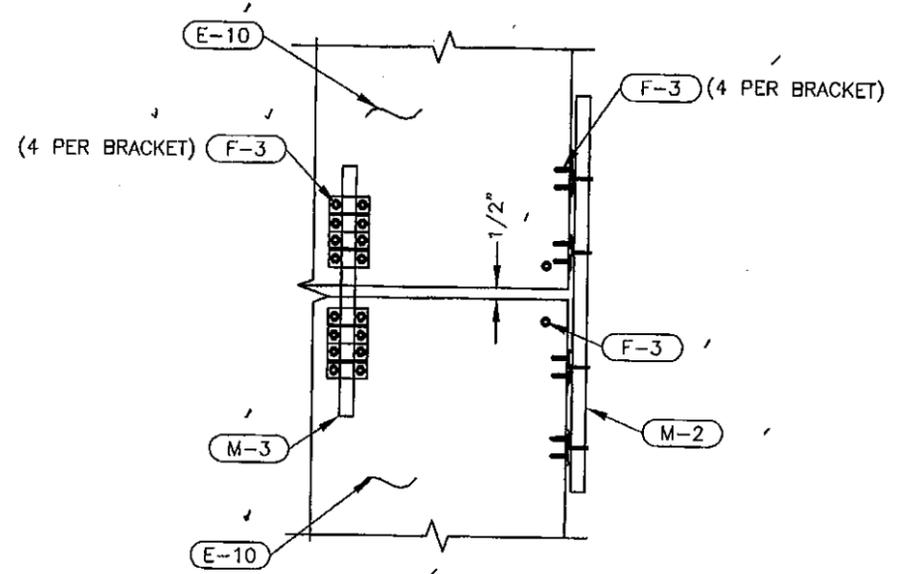


COMPRESSION POST DETAIL 3 FOR HINGED-ROOF PENTHOUSE ONLY  
1-1/2"=1' D-2/P-1



REFLECTED MULLION PLAN 4 APPLIES TO HINGED SIDES ONLY  
1-1/2"=1' D-2/P-1

REFLECTED CORNER PLAN 5 FOR HINGED-ROOF PENTHOUSE ONLY  
1-1/2"=1' D-2/P-1



SLIDE BOLTS BLOWN-UP DETAIL 6 FOR HINGED-ROOF PENTHOUSE ONLY  
1-1/2"=1' D-2/P-2

PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No 11-0119.23  
Expiration Date 12/29/2015  
By *[Signature]*  
Miami Dade Product Control

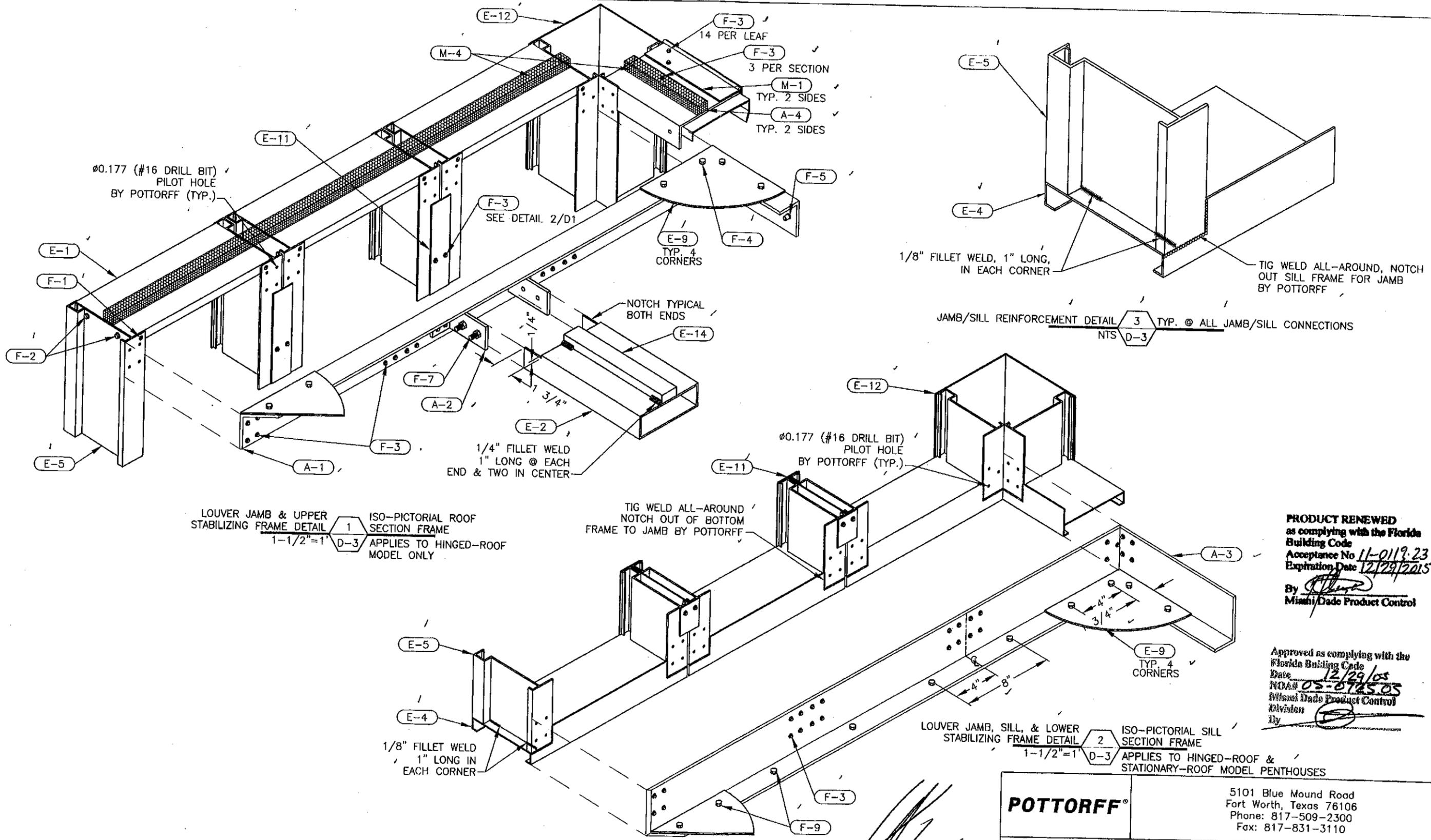
Approved as complying with the Florida Building Code  
Date 12/29/05  
NOA# 05-0725.05  
Miami Dade Product Control  
Division *[Signature]*

*[Handwritten signature]*

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PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE)			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.
SCALE: NOTED	SHEET: 10 of 18	D-2	DRAWING NO. DCP-EFD-637 /



LOUVER JAMB & UPPER STABILIZING FRAME DETAIL 1 ISO-PICTORIAL ROOF SECTION FRAME 1-1/2"=1" D-3 APPLIES TO HINGED-ROOF MODEL ONLY

JAMB/SILL REINFORCEMENT DETAIL 3 TYP. @ ALL JAMB/SILL CONNECTIONS NTS D-3

LOUVER JAMB, SILL, & LOWER STABILIZING FRAME DETAIL 2 ISO-PICTORIAL SILL SECTION FRAME 1-1/2"=1" D-3 APPLIES TO HINGED-ROOF & STATIONARY-ROOF MODEL PENTHOUSES

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 11-0119-23 Expiration Date 12/29/2015 By *[Signature]* Miami Dade Product Control

Approved as complying with the Florida Building Code Date 12/29/05 NDA# 05-072503 Miami Dade Product Control Division *[Signature]*

*[Handwritten Signature]*

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DRAWING DESC.: ISO-PICTORIAL DETAILS				
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE)				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO. D-3	DRAWING NO. DCP-EFD-637 /
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# INSTALLER MUST READ

A "BOLT" IS DEFINED FOR THIS DISCUSSION AS A THREADED FASTENER DESIGNED SO THAT IT IS INTENDED TO BE USED WITH A NUT. A BOLT IS TIGHTENED BY EXERTING TORQUE ON THE NUT.

THE IDEAL BOLT LENGTH IS ONE IN WHICH ONLY ONE OR TWO THREADS PROJECT FROM THE NUT AFTER IT IS TIGHTENED. ADDITIONAL THREADS MAY PROTRUDE FROM THE NUT, BUT NO LESS THAN ONE COMPLETE THREAD SHOULD BE ALLOWED.

BOLT HOLES MAY HAVE SHARP BURRS OR EDGES AFTER DRILLING. THESE COULD BITE INTO THE FILLET AND INCREASE STRESS CONCENTRATION. THEREFORE, WASHERS ARE ALWAYS USED UNDER THE BOLT HEAD TO PREVENT THIS. THESE WASHERS ARE MADE OF HARDENED STEEL OR STAINLESS STEEL AND THE INSTALLER MUST TAKE CARE TO LOAD THEM ONTO THE BOLT SO THAT THE ROUNDED EDGE OF THE STAMPED HOLE FACES THE WASHER FACE OF THE BOLT.

SIMILARLY, WASHERS ARE USED UNDER EACH NUT.

IF AT ALL POSSIBLE, WHEN TIGHTENING, THE INSTALLER SHOULD HOLD THE BOLT HEAD STATIONARY AND TWIST THE NUT. IN THIS WAY, THE BOLT SHANK WILL NOT FEEL THE THREAD-FRICTION TORQUE.

THE MATERIAL OF THE NUT IS CAREFULLY SELECTED TO MATCH THAT OF THE BOLT. TYPICALLY, THE BOLT MATERIAL WILL BE SELECTED TO BE STRONG AND TOUGH, AND THE MATING NUT MATERIAL WILL BE SELECTED TO BE SOFT AND DUCTILE.

SINCE PROPERLY SELECTED NUTS YIELD SLIGHTLY TO PROPERLY DISTRIBUTE THE LOAD OVER THE FIRST FEW THREADS, NUTS CAN ONLY BE USED ONCE. ALL INSTALLERS MUST VISUALLY INSPECT EACH NUT THEY ARE ABOUT TO INSTALL FOR ANY POSSIBLE SIGN THAT IT MAY HAVE BEEN USED BEFORE.

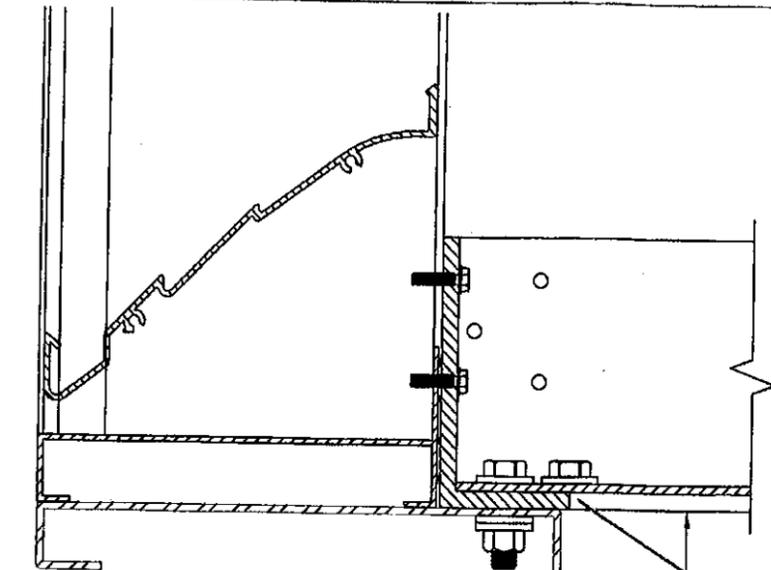
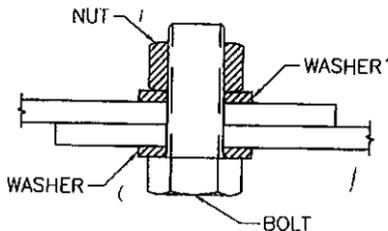
IF THERE ARE ANY SIGNS ON THE OUTSIDE THAT A WRENCH HAS SCRATCHED OR NICKED THE CORNERS - DISCARD IT.

IF EITHER OF THE FLAT ENDS OF THE NUT SHOW ANY RUB MARKS - DISCARD IT.

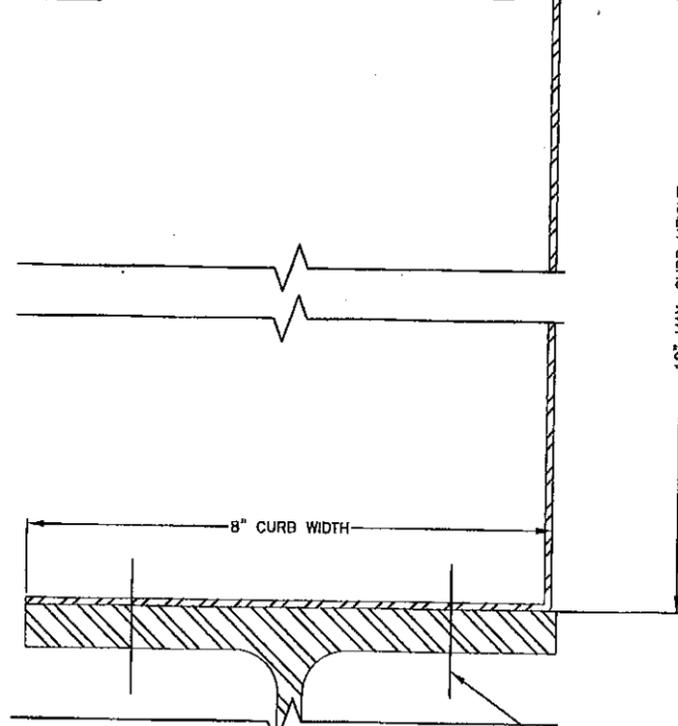
IF THE NUT THREADS SHOW ANY RUB MARKS OR NICKS - DISCARD IT.

THE INSTALLER IS ALSO RESPONSIBLE FOR PERFORMING A VISUAL INSPECTION OF EACH BOLT HE/SHE IS ABOUT TO INSTALL. BOLTS WITH NICKS, BURRS, AND OTHER THREAD IRREGULARITIES - MUST BE DISCARDED, SINCE THEY ARE LIKELY TO CAUSE STRESS CONCENTRATIONS.

IF PRELOAD TORQUE IS SPECIFIED, THEN THE TORQUE MUST BE CHECKED BY USING A TORQUE WRENCH IN THE FIELD. IF PRELOAD IS NOT PROPERLY INSTALLED AND CHECKED, THEN POTTORFF LOUVERS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THE BOLTS.



DISSIMILAR METALS SHALL COMPLY WITH SECTION 2003.8.4 OF FBC.



12" MAX. CURB HEIGHT

PENTHOUSE ATTACHMENT ILLUSTRATION 1 TEST UNIT ILLUSTRATION DETAIL  
NTS D-4

THE CURB ANCHORAGE TO THE STRUCTURE MUST BE PROPERLY DESIGNED BY THE ENGINEER OF RECORD (EOR) TO SUSTAIN ALL IMPOSED LOADS.

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By [Signature]  
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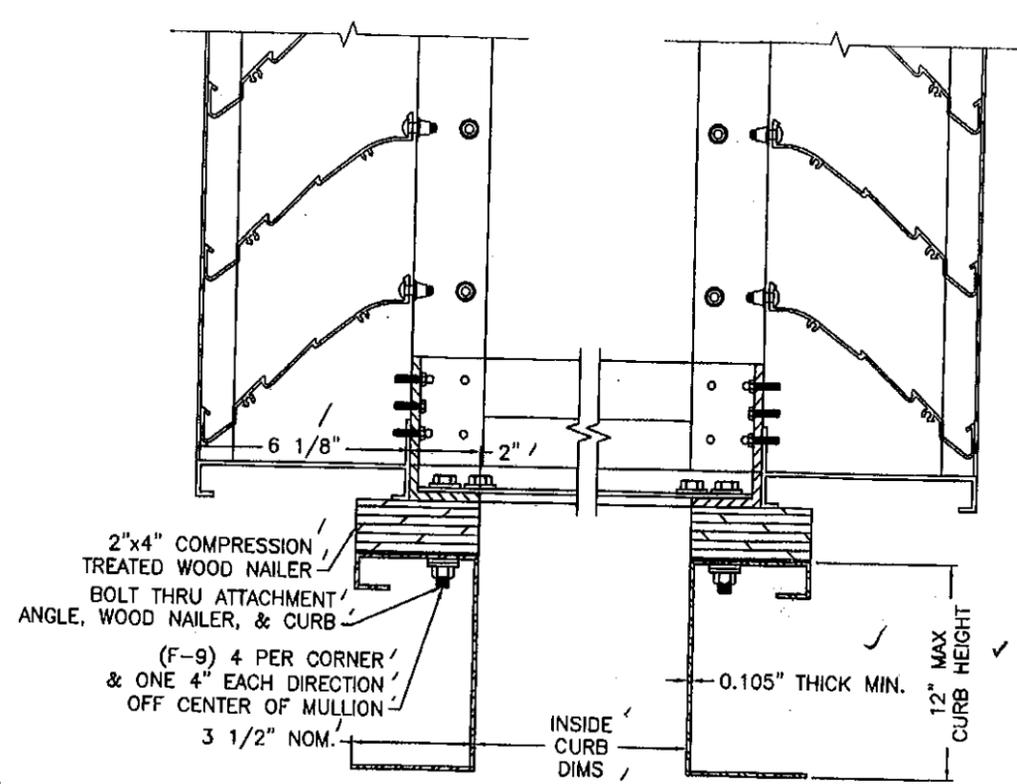
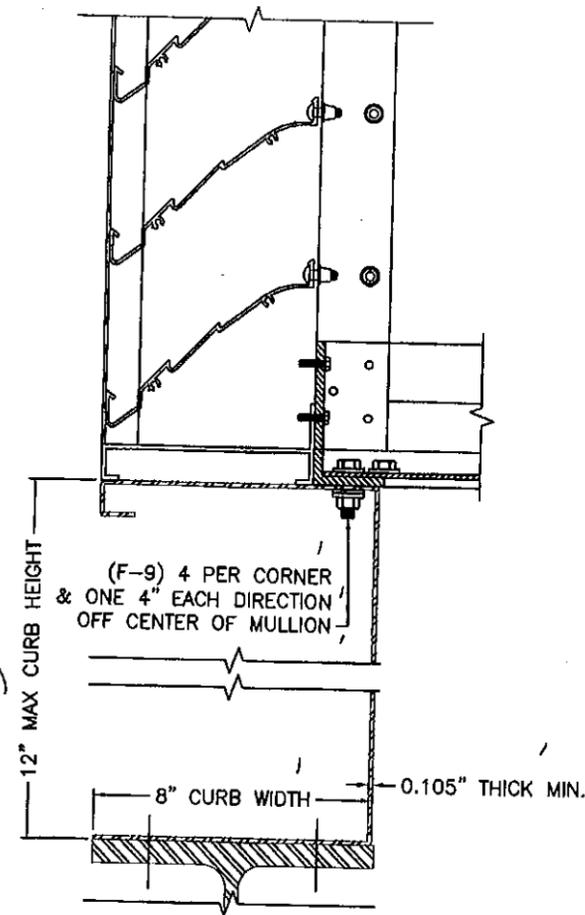
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Date 12/29/05  
NOA# 05-10725.05  
Miami Dade Product Control  
Division  
By [Signature]

*[Handwritten signature]*

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PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE)				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.	DRAWING NO.
SCALE: NTS	SHEET: 12 of 16	D-4		DCP-EFD-637 /

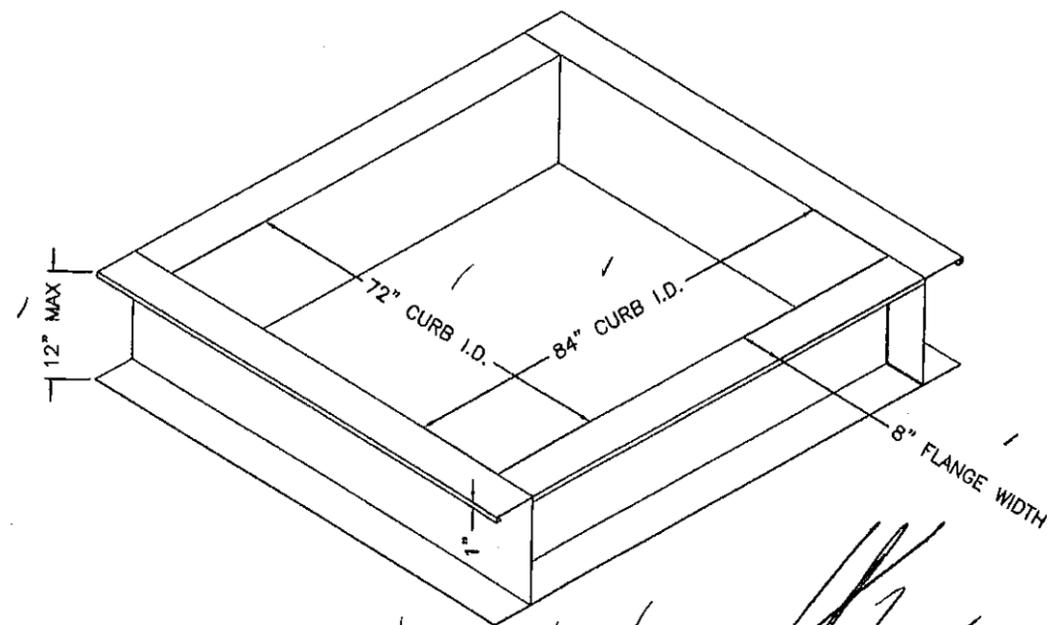
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ALTERNATE #1 PENTHOUSE ATTACHMENT TO CURB ILLUSTRATION 3 CURB WITH WOOD NAILER (CURB TO BE DESIGNED & PROVIDED BY OTHERS)

PENTHOUSE ATTACHMENT ILLUSTRATION 1 TEST UNIT ILLUSTRATION DETAIL (NTS D-5)



TEST UNIT CURB 2 ISO-PICTORIAL (NTS D-5)

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 By *[Signature]*  
 Miami/Dade Product Control

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 Miami/Dade Product Control  
 Division *[Signature]*

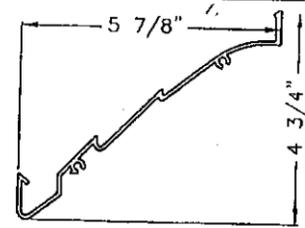
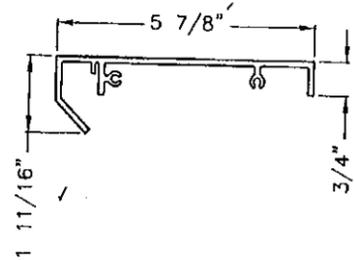
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LOCATION:				
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SCALE: NTS	SHEET: 13 of 16		D-5	DCP-EFD-637 /

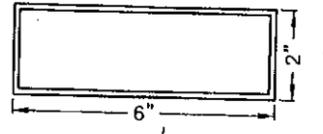
*[Handwritten Signature]* 11/28/05

PART #: E-1  
 PART NAME: HEAD  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'

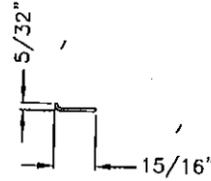


PART #: E-7  
 PART NAME: BLADE  
 MATERIAL: 0.081" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'

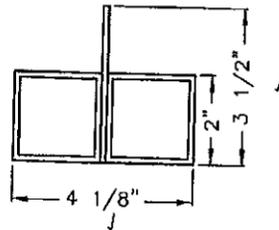
PART #: E-2  
 PART NAME: TUBE  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



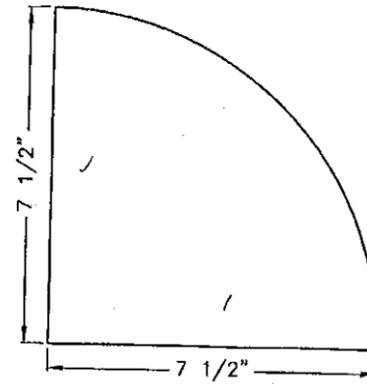
PART #: E-8  
 PART NAME: SCREEN FRAME  
 MATERIAL: 0.065" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



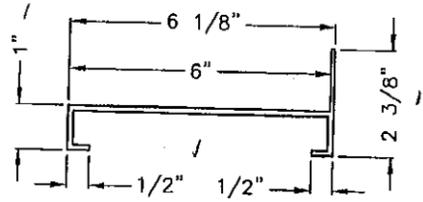
PART #: E-3  
 PART NAME: ROOF BEAM ASSEMBLY  
 COMPONENTS: (2) 2"x2" TUBE  
 (1) 3-1/2" BAR  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



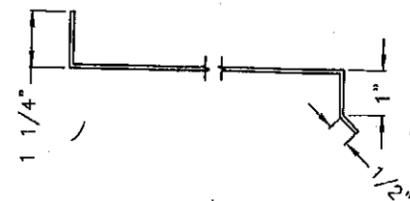
PART #: E-9  
 PART NAME: GUSSET PLATE  
 MATERIAL: 0.125" THICK 5005-H32  
 ALUMINUM SHEET  
 SCALE: 3"=1'



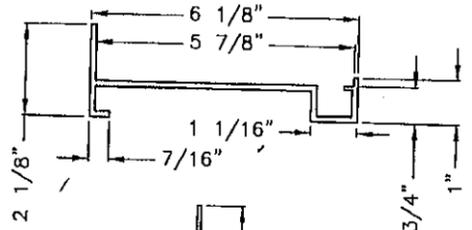
PART #: E-4  
 PART NAME: SILL  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



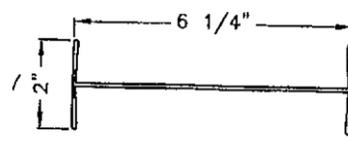
PART #: E-10  
 PART NAME: FORMED ROOF  
 MATERIAL: 12 GA. [0.081] THICK,  
 ALUMINUM SHEET  
 SCALE: 3"=1'



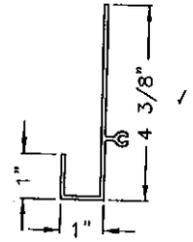
PART #: E-5  
 PART NAME: JAMB  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



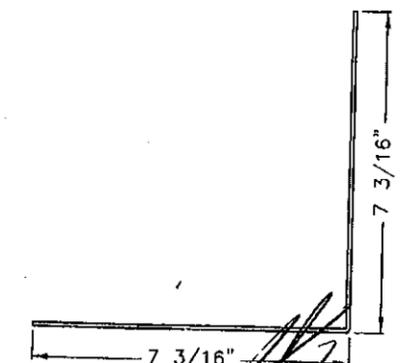
PART #: E-11  
 PART NAME: MULLION COVER  
 MATERIAL: 0.081" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



PART #: E-6  
 PART NAME: DRIP  
 MATERIAL: 0.081" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



PART #: E-12  
 PART NAME: FORMED CORNER COVER  
 MATERIAL: 12 GA. [0.081] THICK  
 5005-H34 ALUMINUM SHEET  
 SCALE: 3"=1'



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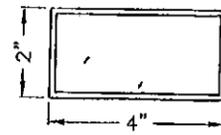
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 LOCATION:  
 ARCHITECT:  
 CUSTOMER:  
 DATE: 4/21/05 DWN BY: DJS POTTORFF ORDER NO. DRAWING REF. NO. DRAWING NO.  
 SCALE: NOTED SHEET: 14 of 16 D-6 DCP-EFO-637

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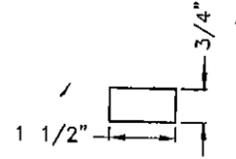
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[Handwritten signature and date: 11/28/05]

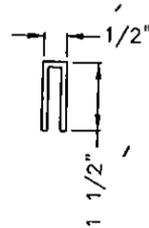
PART #: E-13  
 PART NAME: TUBE  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



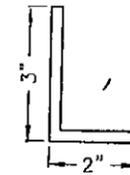
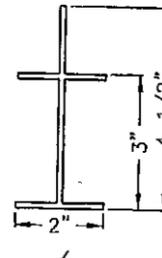
PART #: E-14  
 PART NAME: BAR  
 MATERIAL: 0.750" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



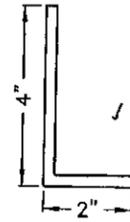
PART #: E-15  
 PART NAME: SEAM COVER  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



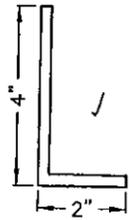
PART #: E-16  
 PART NAME: ROOF BEAM  
 MATERIAL: 0.125" THICK 6063-T5  
 EXTRUDED ALUMINUM  
 SCALE: 3"=1'



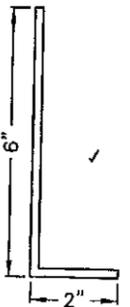
PART #: A-1  
 PART NAME: CONTINUOUS ANGLE - @ TOP  
 OF PENTHOUSE  
 MATERIAL: 0.25" THICK 6063-T5  
 EXTRUDED ALUMINUM (CONT.)  
 SCALE: 3"=1'



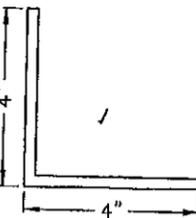
PART #: A-2  
 PART NAME: CLIP ANGLE - @ ROOF  
 MATERIAL: 0.25" THICK 6063-T5  
 EXTRUDED ALUMINUM (2" LONG)  
 SCALE: 3"=1'



PART #: A-3  
 PART NAME: CONTINUOUS ANGLE - @  
 BOTTOM OF PENTHOUSE  
 MATERIAL: 0.25" THICK 6063-T5  
 EXTRUDED ALUMINUM (CONT.)  
 SCALE: 3"=1'



PART #: A-4  
 PART NAME: CONTINUOUS ANGLE - @ TOP  
 OF PENTHOUSE  
 MATERIAL: 0.1875" THICK 6063-T5  
 EXTRUDED ALUMINUM (CONT.)  
 SCALE: 3"=1'



PART #: A-5  
 PART NAME: CLIP ANGLE - ROOF FRAME  
 MATERIAL: 0.25" THICK 6063-T5 EXTRUDED  
 ALUMINUM (2" LONG)  
 SCALE: 3"=1'

PRODUCT RENEWED  
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 Expiration Date 12/29/2015  
 By *[Signature]*  
 Miami Dade Product Control

Approved as complying with the  
 Florida Building Code  
 Date 12/29/05  
 NOA# 0310723.05  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

*[Handwritten signature]*  
 11/20/05

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SCALE: NOTED	SHEET: 15 of 16		D-7	DCP-EFD-637

PARTS KEY

FASTENERS / ANCHORS

F-1	10-24 x 3/4" LONG, 410 S.S. THREAD CUTTING SCREWS, SQUARE DRIVE COUNTER SUNK HEAD, TYPE "F" POINT, BRIGHT HARDENED PASSIVATED AND WAXED, MADE IN THE U.S.A.
F-2	10-24 x 3/4" LONG, 410 S.S., THREAD-CUTTING SCREW, SLOTTED INDENTED HEX HEAD, TYPE "F" POINT, BRIGHT HARDENED, PASSIVATED AND WAXED, MADE IN U.S.A.
F-3	12-24 x 1" LONG, 410 S.S., THREAD-CUTTING SCREW, SLOTTED INDENTED HEX HEAD, TYPE "F" POINT, BRIGHT HARDENED, PASSIVATED AND WAXED, MADE IN U.S.A.
F-4	1/4-20 x 1" LONG, 316 S.S. FULLY THREADED HEX HEAD BOLT W/2 316 S.S., 5/8" O.D., FLAT WASHERS, ONE 316 S.S., 1/2" O.D., SPLIT LOCK WASHER, & ONE 1/4-20 316 S.S. HEX NUT
F-5	1/4"-10 x 2" LONG, ALUMINUM BUTTON HEAD HUCK MAGNA-GRIP STYLE LOCK BOLT, MADE IN THE U.S.A.
F-6	3/8"-16 x 6" LONG, 316 S.S., PARTIALLY THREADED HEX HEAD BOLT, W/2 316 S.S., 7/8" O.D., FLAT WASHERS, ONE 316 S.S., 5/8" O.D., SPLIT LOCK WASHER, & ONE 3/8-16 316 S.S. HEX NUT
F-7	1/2-13 x 7-1/2" LONG, 316 S.S., PARTIALLY THREADED HEX HEAD BOLT, W/2 316 S.S., 1-1/4" O.D., FLAT WASHERS, ONE 316 S.S., 7/8" O.D., SPLIT LOCK WASHER, & ONE 1/2-13 316 S.S. HEX NUT
F-8	3/8-16 x 5" LONG, 316 S.S., PARTIALLY THREADED HEX HEAD BOLT, W/2 316 S.S., 7/8" O.D., FLAT WASHERS, ONE 316 S.S., 5/8" O.D., SPLIT LOCK WASHER, & ONE 3/8-16 316 S.S. HEX NUT
F-9	3/8-16 x 1-1/2" LONG, 316 S.S., PARTIALLY THREADED HEX HEAD BOLT, W/2 316 S.S., 7/8" O.D., FLAT WASHERS, ONE 316 S.S., 5/8" O.D., SPLIT LOCK WASHER, & ONE 3/8-16 316 S.S. NUT SHIPPED LOOSE (TYP.)

ANGLES

A-1	3"x2"x1/4" w.t. CONT. 6063-T5 EXTRUDED ALUMINUM ANGLE @ TOP OF PENTHOUSE
A-2	4"x2"x1/4" w.t. x2" LONG 6063-T5 EXTRUDED ALUMINUM ANGLE
A-3	4"x2"x1/4" w.t. CONT. 6063-T5 EXTRUDED ALUMINUM ANGLE @ BOTTOM OF PENTHOUSE
A-4	6"x2"x3/16" w.t. CONT. 6063-T5 EXTRUDED ALUMINUM ANGLE @ TOP OF PENTHOUSE
A-5	4"x4"x1/4" w.t. x2" LONG 6063-T5 EXTRUDED ALUMINUM ANGLE

MISCELLANEOUS

M-1	PIANO HINGE, 0.120" THICK, 4" OPEN WIDTH, 1/4" PIN Ø, KNUCKLE LENGTH 2" EA., 304 S.S.
M-2	EXTRA-LONG PADLOCKABLE SLIDE BOLT, 23-5/8" O.W., 304 S.S.
M-3	EXTRA-LONG PADLOCKABLE SLIDE BOLT, 11-3/16" O.W., 304 S.S.
M-4	ADHESIVE-BACKED WEATHER STRIPPING, 3/4" THICK, 1" WIDE, CLOSED CELL NEOPRENE SPONGE
M-5	2" THICK, 1.5 LBS. DENSITY EXPANDED POLYSTYRENE FOAM BOARD LAMINATED TO TWO (2) ALUMINUM SKINS THEN COVERED WITH TWO (2) SKINS OF 0.081" THICK ALUMINUM (5005-H32) SUPPLIED BY PCI INDUSTRIES INC

EXTRUDED FRAME

E-1	HEAD FRAME, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM
E-2	6x2x0.125" THICK, 6063-T5 EXTRUDED ALUMINUM TUBE
E-3	ROOF BEAM ASSEMBLY (2) 2x2x0.125" THICK, 6063-T5 EXTRUDED ALUMINUM TUBES. (1) 3-1/2x0.125" THICK, 6063-T5 EXTRUDED BAR
E-4	SILL FRAME, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM
E-5	JAMB FRAME, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM
E-6	DRIP, 0.081" THICK, 6063-T5 EXTRUDED ALUMINUM
E-7	BLADE, 0.081" THICK, 6063-T5 EXTRUDED ALUMINUM
E-8	SCREEN FRAME, 0.065" THICK, 6063-T5 EXTRUDED ALUMINUM W/ 1/2"x0.050" EXPANDED ALUMINUM BIRD SCREEN
E-9	GUSSET PLATE, 0.125" THICK, 5005-H32 ALUMINUM SHEET
E-10	FORMED ROOF, 12 GA. [0.081"] THICK, 5005-H32 ALUMINUM SHEET
E-11	MULLION COVER, 0.081" THICK, 6063-T5 EXTRUDED ALUMINUM
E-12	CORNER COVER, 12 GA. [0.081"] THICK, 5005 ALUMINUM SHEET
E-13	4x2x0.125" THICK, 6063-T5 EXTRUDED ALUMINUM TUBE
E-14	1-1/2x0.750" THICK, 6063-T5 EXTRUDED ALUMINUM BAR
E-15	ROOF SEAM COVER, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM
E-16	ROOF BEAM, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 11-0119.23  
Expiration Date 12/29/2015  
By *[Signature]*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 12/29/05  
NOA# 03-0723.05  
Miami Dade Product Control  
By *[Signature]*

<b>POTTORFF®</b>		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	
DRAWING DESC.: PARTS KEY			
PROJECT: DADE COUNTY PENTHOUSE (LOUVERED ENCLOSURE)			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 4/21/05	DWN BY: DJS	POTTORFF ORDER NO.	DRAWING REF. NO.
SCALE: NONE	SHEET: 16 of 16	D-8	DRAWING NO. DCP-EFD-637

FILE: C:\JOBS\DADE COUNTY\MD PENTHOUSE

REV. NO.	DESCRIPTION	DATE	DRAWN BY
2	MADE CHG'S PER 10/7/05 LETTER	11/18/05	DJS
1	MADE CHG'S PER 9/8/05 LETTER	9/20/05	DSR
0		5/20/05	

*[Handwritten Signature]*  
11/20/05