



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

Pottorff Division of PCI Industries
5101 Blue Mound Road
Fort 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 and accepted by Miami-Dade County BNC - Product Control Section 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. BNC 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 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **DC-C1, G1, E1 to E6, D1 to D5 and B1 and B2**, titled "EFD-637-MD", sheets 1 through 15 of 15, dated 12/17/10, with revision 1 dated 06/09/11, prepared by Pottorff Division of PCI Industries, signed and sealed by L. David Rice, P.E., bearing the Miami-Dade County Product Control revision 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 revises NOA # 09-1007.01 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]
 07/06/11

NOA No. 11-0429.03
 Expiration Date: February 19, 2014
 Approval Date: July 14, 2011
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **DC-C1, G1, E1 to E6, D1 to D5 and B1 and B2**, titled "EFD-637-MD", sheets 1 through 15 of 15, dated 12/17/10, with revision 1 dated 06/09/11, prepared by Pottorff Division of PCI Industries, signed and sealed by L. David Rice, P.E.

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 installation diagram of a Model EFD-637-MD Aluminum Louver, prepared by Architectural Testing, Inc, Test Report No. **A1622.01-801-18**, dated 12/03/10, signed and sealed by Joseph A. Reed, P.E.

"Submitted under NOA # 03-0925.05"

2. Test report on Large Missile Impact Test per PA 201, Test, Cyclic Wind Pressure Test per PA 203, Test and Uniform Static Air Pressure Test per PA 202 of "Model 637-EDT-HD Louver", prepared by Architectural Testing Inc, Report No. **01-40871.01**, dated 09/11/02, signed and sealed by A. N. Reeves, P.E.
3. Clarification letter issued by Architectural Testing Inc, on 05/27/03, signed by J. A. Reed, P.E.

C. CALCULATIONS

1. EFD-637-MD Louver calculations prepared by Rice Engineering, dated 04/21/11, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code compliance with 2007 FBC, issued by Rice Engineering, dated 03/30/11, signed and sealed by L. David Rice, P.E.
2. No financial interest letter issued by Rice Engineering, dated 03/30/11, signed and sealed by L. David Rice, P.E.

G. OTHER

1. Notice of Acceptance No. **09-1007.01** issued to Pottorff Division of PCI Industries, approved on 11/12/09 and expiring on 02/19/14.



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 11-0429.03

Expiration Date: February 19, 2014

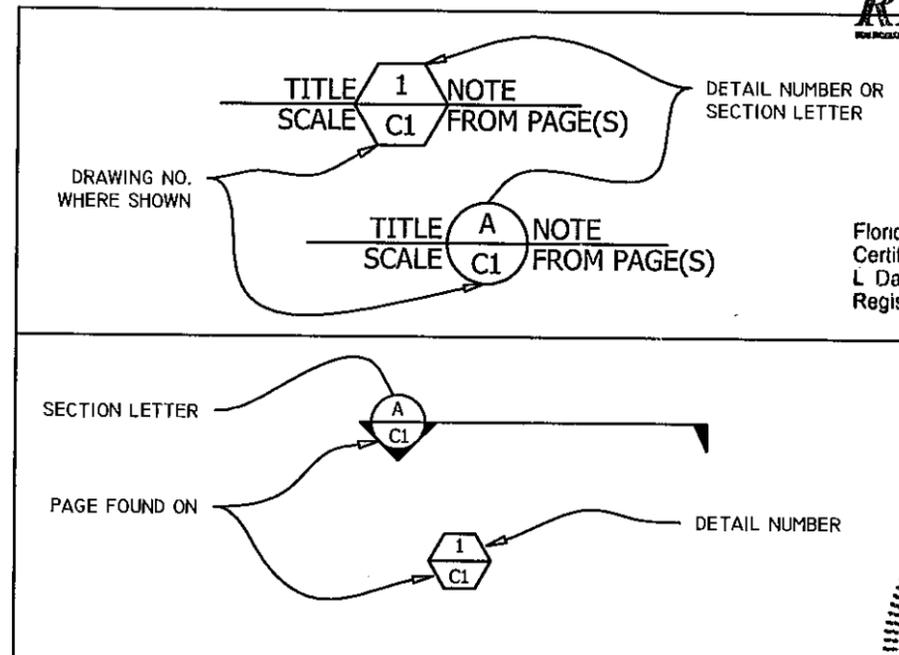
Approval Date: July 14, 2011

NOTES:

1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF 80 AND 150 PSF AS TESTED IN ACCORDANCE TO TAS 201, TAS 202, AND TAS 203.
2. ALL VARIATIONS ARE LARGE MISSILE IMPACT RESISTANT.
3. UNITS OF MEASURE ARE FRACTIONAL INCHES UNLESS OTHERWISE SPECIFIED.
4. IT IS ASSUMED THAT THE LOUVER SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING CONDITION.
5. IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE LOUVER SYSTEM.
6. INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN DISSIMILAR MATERIALS IN ORDER TO PROTECT FROM CORROSION.
7. THIS LOUVER IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
8. OTHER BUILDING CONDITIONS THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.
9. MULTI-SECTION WIDE AND HIGH LOUVER SYSTEMS ARE ALLOWABLE PROVIDED THE INDIVIDUAL SECTIONS ARE SUPPORTED PER THE DETAILS ON THIS DRAWING AND A SUITABLE SUPPORT STRUCTURE IS ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.

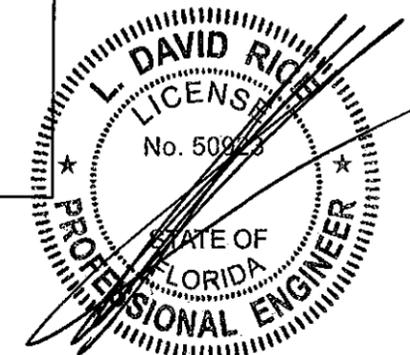
TABLE 1		
SINGLE SECTION SIZE LIMITATIONS		
MAX DESIGN PRESSURE	MIN (W X H)	MAX (W X H)
80 PSF	12 X 12	48 X 144
150 PSF	12 X 12	48 X 144

TABLE 2	
MULTIPLE SECTION SIZE LIMITATIONS (MAX DESIGN PRESSURE: 80 & 150 PSF)	
LOUVER SYSTEM CONFIGURATION:	NOTE:
SINGLE SECTION WIDE - UNLIMITED HEIGHT	SEE SHEET E2
SINGLE SECTION HIGH - UNLIMITED WIDTH	SEE SHEETS E3 & E4
MULTI-SECTION WIDE - MULTI-SECTION HIGH	SEE NOTE 9



RICE ENGINEERING
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 www.rice-inc.com

Florida Firm No: F-01000005061
 Certificate of Authorization: #9090
 L. David Rice
 Registration No: 50923



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 Expiration Date 02/19/2014
 By *[Signature]*
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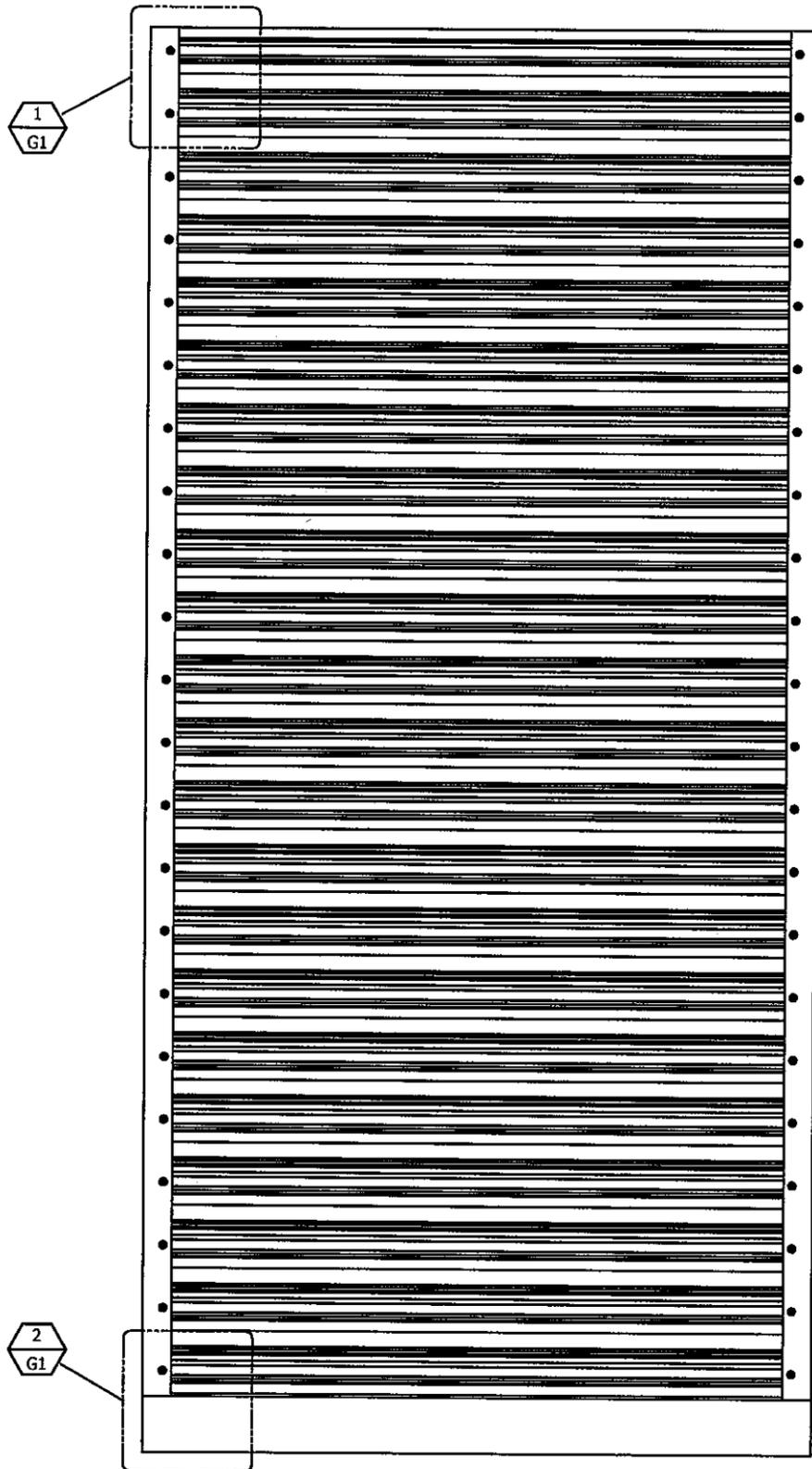
POTTORFF®		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	
DRAWING DESC.: COVER PAGE			
PROJECT: EFD-637-MD			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.
SCALE: N/A	SHEET: 01 of 15		DRAWING NO. DC-C1

FILE:

REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

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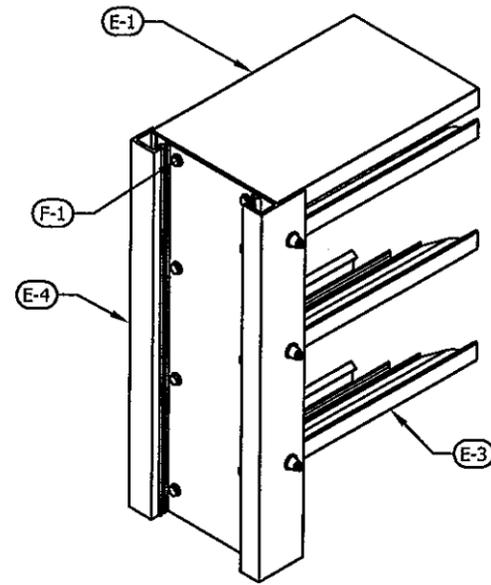
JUN 27 2011



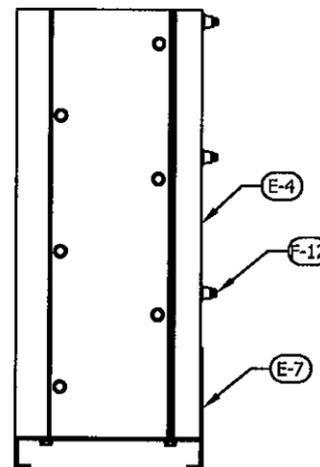
INTERIOR ELEVATION

REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

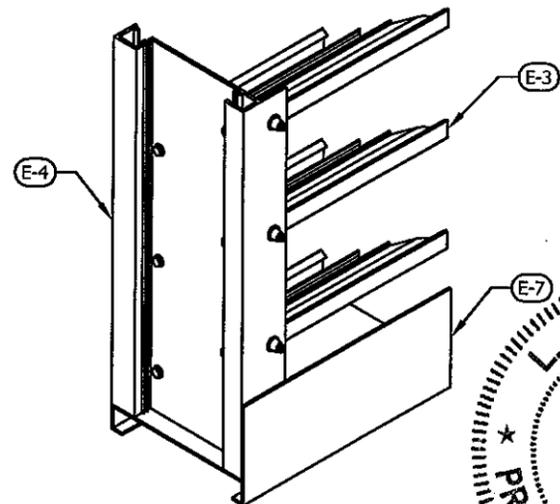
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TOP CORNER 1 GENERAL ASSEMBLY
1' 0" = 1' 0" G1 G1



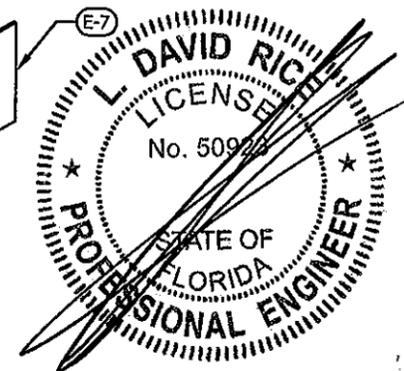
BTM CORNER 2 GENERAL ASSEMBLY
1' 0" = 1' 0" G1 G1



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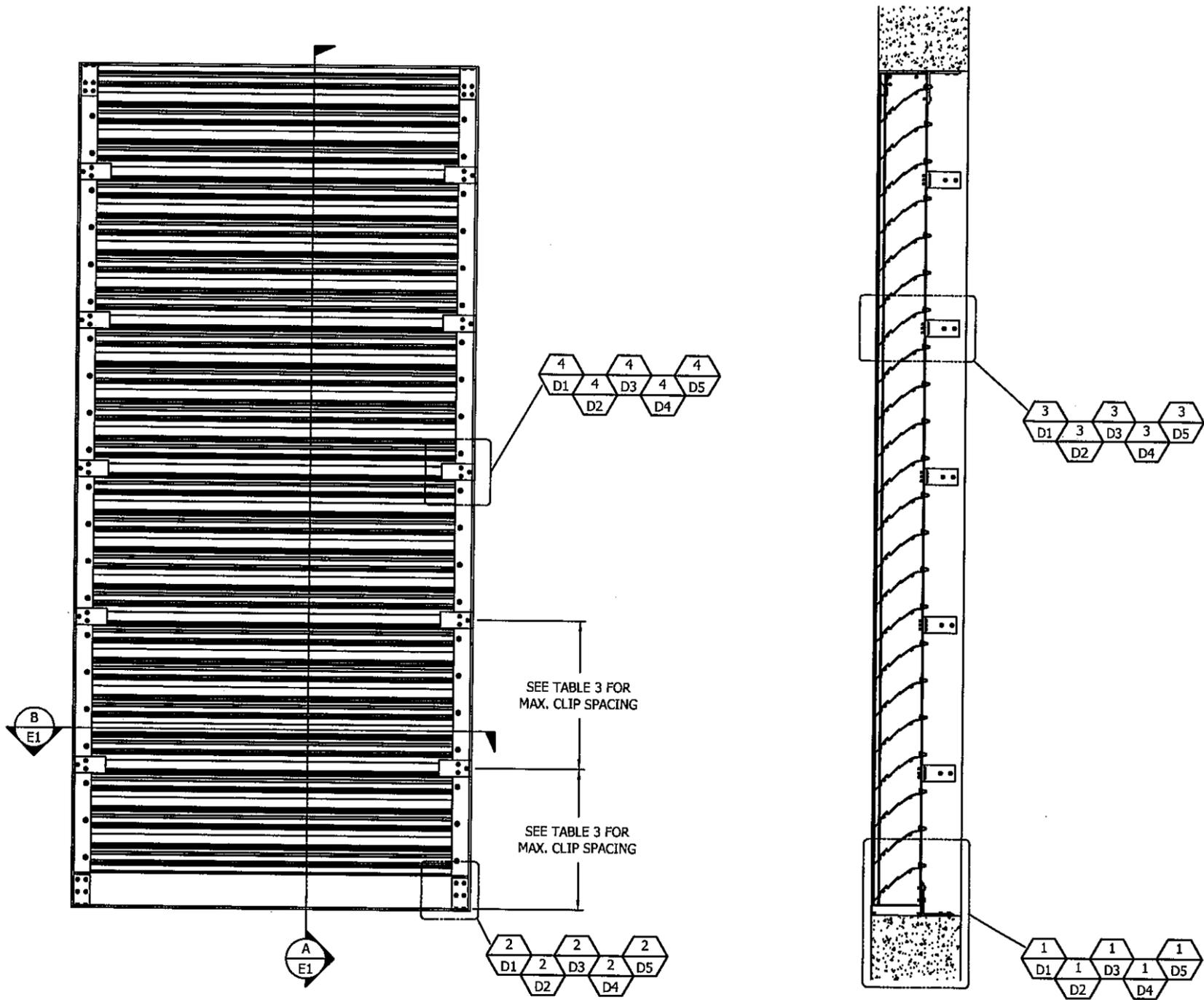
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Expiration Date 02/19/2014
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Miami Trade Product Control

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DRAWING DESC.: GENERAL LOUVER ASSEMBLY		PROJECT: EFD-637-MD		LOCATION:		ARCHITECT:		CUSTOMER:	
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.					
SCALE: 1" = 1' 0"	SHEET: 02 of 15			DC-G1					

TABLE 3				
VERTICAL JAMB CLIP ANGLE SPACING				
BUILDING CONDITION - MAXIMUM CLIP ANGLE SPACING (INCH)				
MAX DESIGN PRESSURE	STEEL	4000 PSI CONCRETE (PRE-CAST OR CAST IN PLACE)	2000 PSI GROUT FILLED BEAM BLOCK	WOOD BLOCK
80 PSF	34.0	34.0	20.0	N/A
150 PSF	20.0	20.0	20.0	20.0



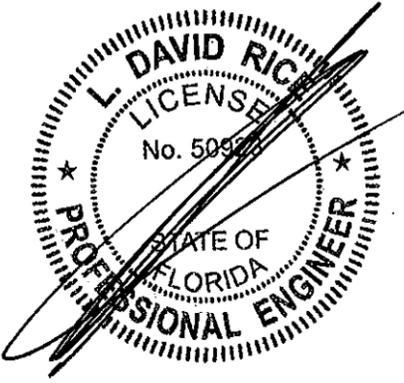
SINGLE SECTION WIDE $\frac{3}{4}''=1'$ **B** 80 & 150 PSF RATED
E1 E1

SINGLE SECTION HIGH $\frac{3}{4}''=1'$ **A** 80 & 150 PSF RATED
E1 E1, E3, E4

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SINGLE SECTION
INTERIOR ELEVATION
(MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

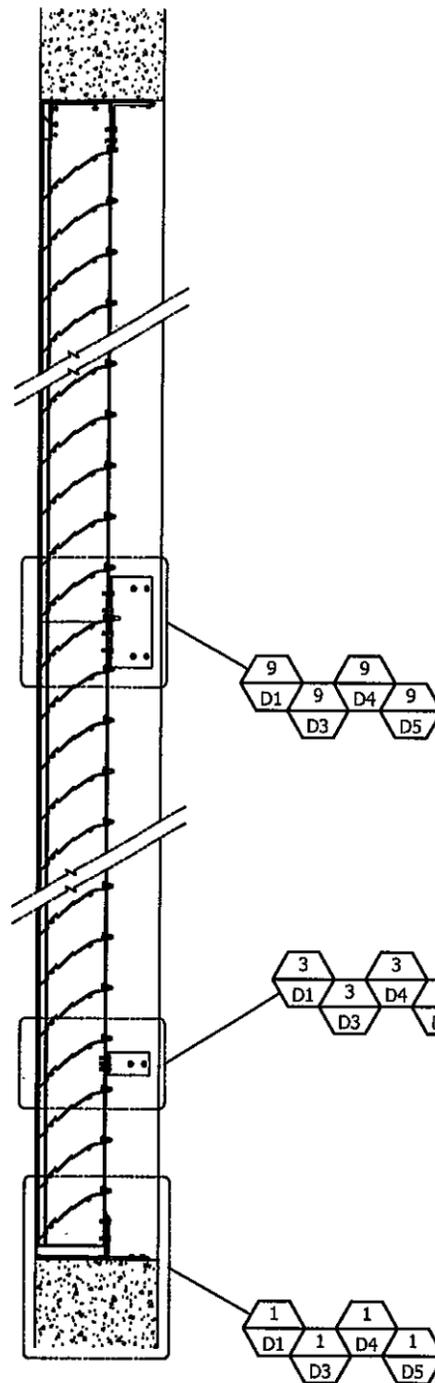
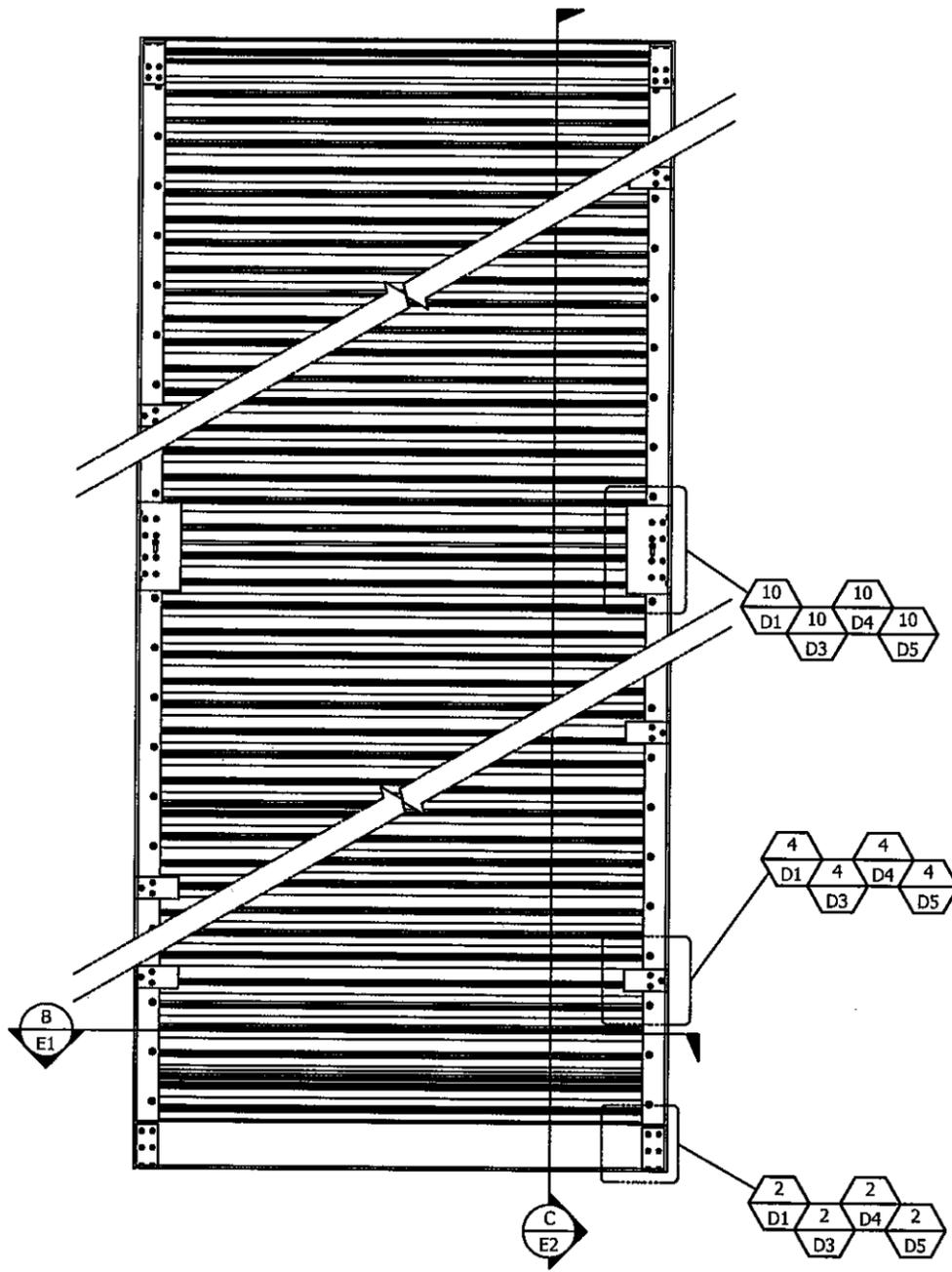
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DRAWING DESC.: SINGLE SECTION WIDE - SINGLE SECTION HIGH (80 & 150 PSF)				
PROJECT: EFD-637-MD				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.
SCALE: 3/4" = 1' 0"	SHEET: 03 of 15			DC-E1

REV. NO.	DESCRIPTION	DATE	DRAWN BY
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JUN 27 2011

UNLIMITED SECTIONS HIGH
INTERIOR ELEVATION
 (MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

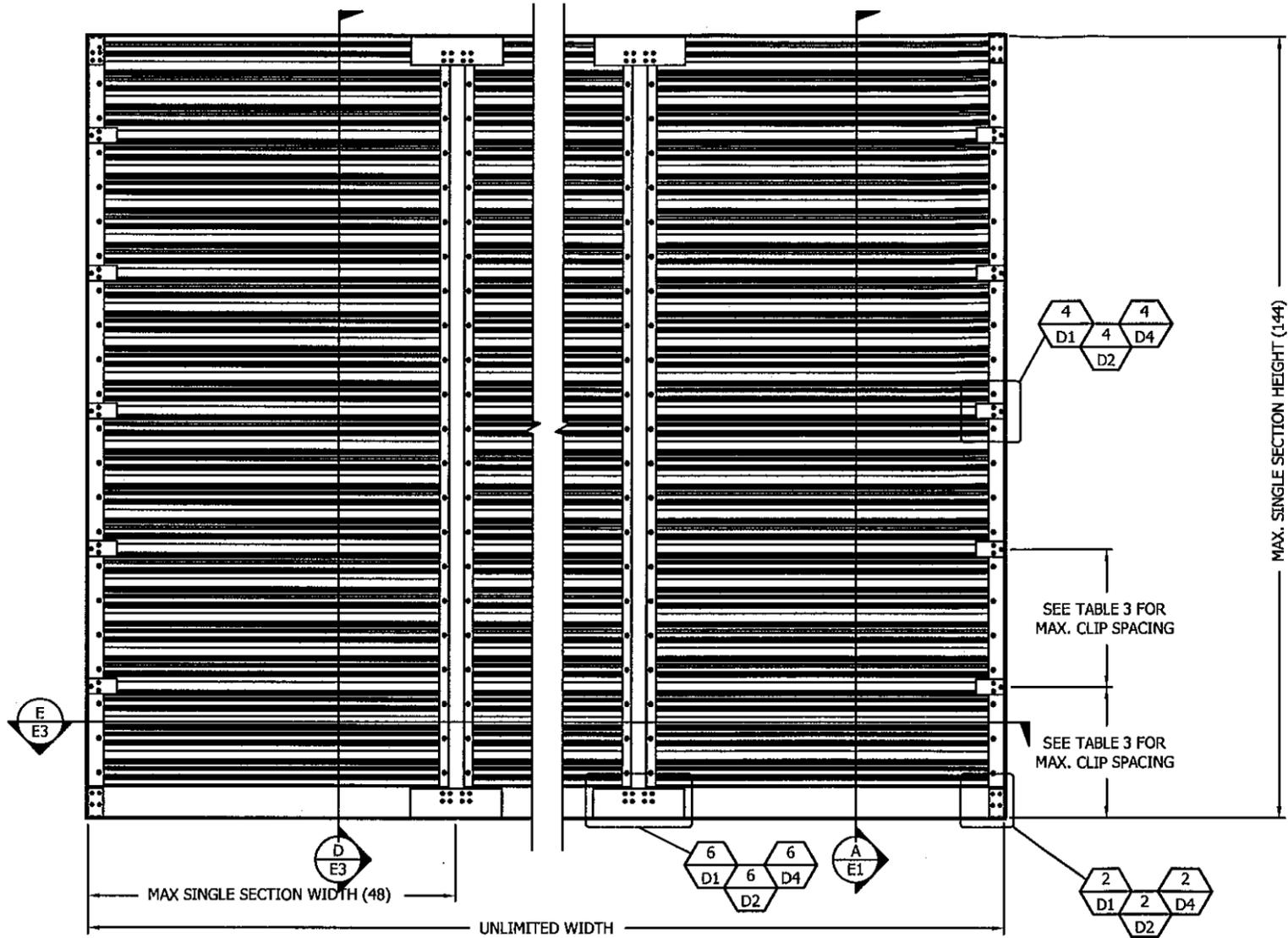
UNLIMITED SECTIONS HIGH **C** **150 PSF ONLY**
 3/4" = 1' **E2**

FILE:

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DRAWING DESC.: SINGLE SECTION WIDE - UNLIMITED HIGH (150 PSF ONLY)				
PROJECT: EFD-637-MD				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.
SCALE: 3/4" = 1' 0"	SHEET: 04 of 15			DC-E2

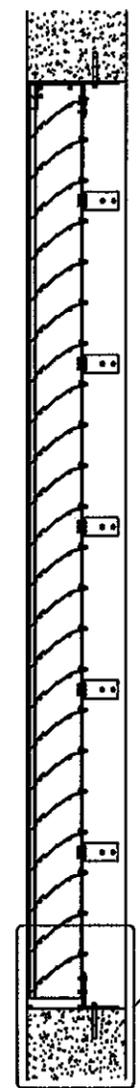


80 PSF INTERIOR ELEVATION
(MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

SINGLE SECTION HIGH $\frac{3}{4}'' = 1' 0''$ $\begin{matrix} D \\ E3 \end{matrix}$ 80 PSF RATED $\begin{matrix} E3 \end{matrix}$

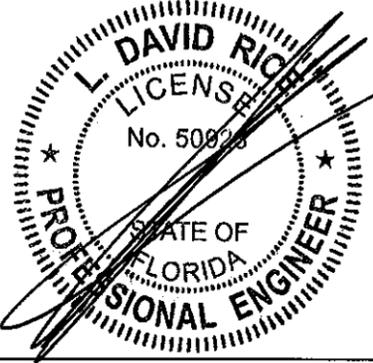


MULTIPLE SECTIONS WIDE $\frac{3}{4}'' = 1' 0''$ $\begin{matrix} E \\ E3 \end{matrix}$ 80 PSF RATED $\begin{matrix} E3 \end{matrix}$



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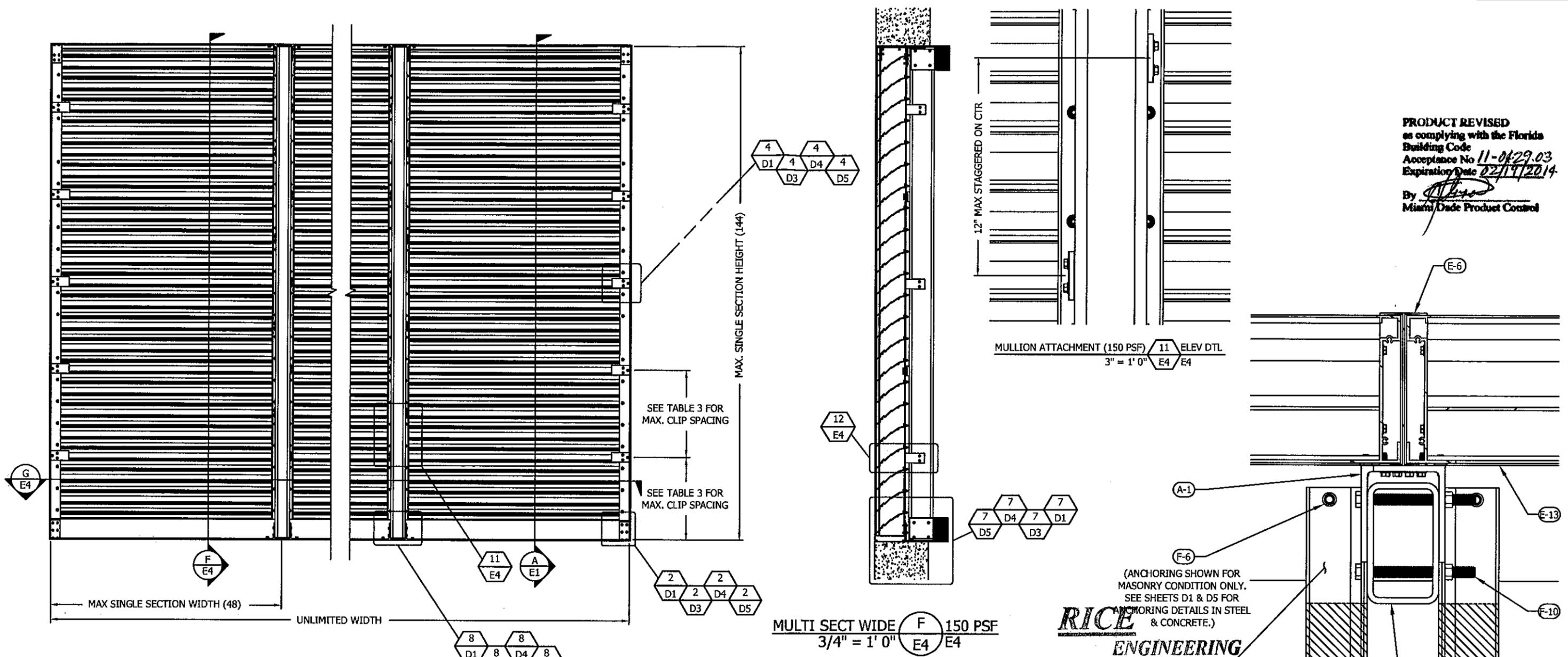
POTTORFF®		5101 Blue Mound Road Fort Worth, Texas 76104 Phone: 817-509-2300 Fax: 817-831-3110		
DRAWING DESC.: UNLIMITED SECTIONS WIDE - SINGLE SECTION HIGH (80 PSF)				
PROJECT: EFD-637-MD				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO. DC-E3
SCALE: AS NOTED	SHEET: 05 of 15			

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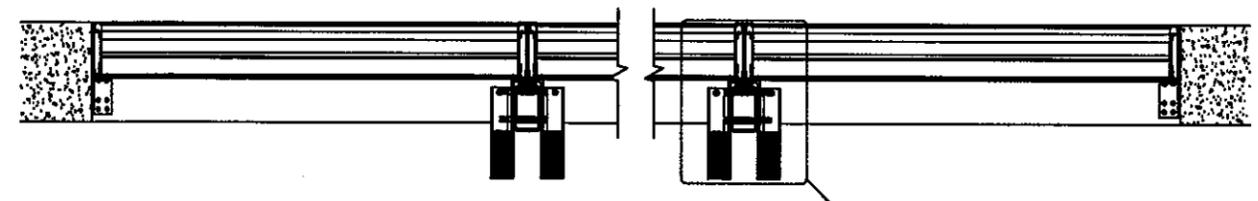
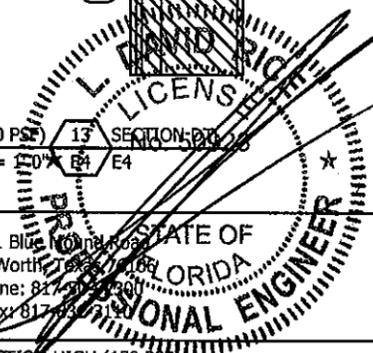


150 PSF INTERIOR ELEVATION
 (MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

MULTI SECT WIDE $\frac{F}{E4}$ 150 PSF
 $\frac{3}{4}'' = 1' 0''$

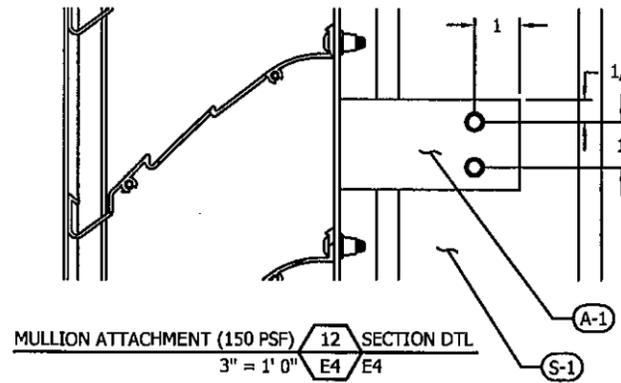
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MULTIPLE SECTIONS WIDE $\frac{G}{E4}$ 150 PSF
 $\frac{3}{4}'' = 1' 0''$

NOTE: UNITS REQUIRE AN EXPANDED ALUMINUM SCREEN WITH SCREE N FRAME (E-13) INSTALLED BEHIND THE BLADES.



MULLION ATTACHMENT (150 PSF) $\frac{12}{E4}$ SECTION DTL
 $\frac{3}{4}'' = 1' 0''$

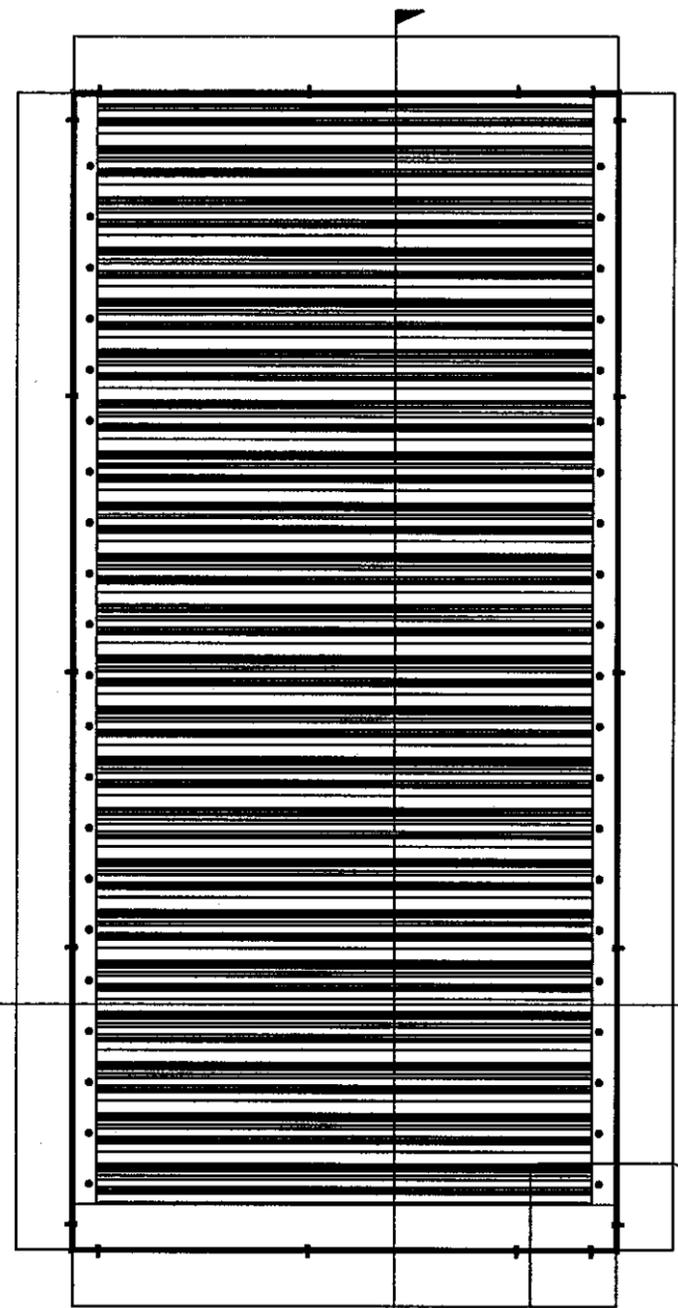
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DRAWING DESC.: UNLIMITED SECTIONS WIDE - SINGLE SECTION HIGH (150 PSF)				
PROJECT: EFD-637-MD				
LOCATION: JUN 27 2011				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.
SCALE: AS NOTED	SHEET: 06 of 15			DC-E4

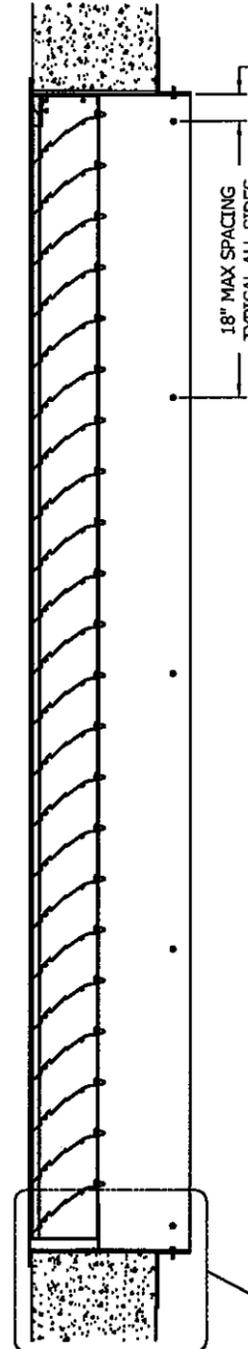
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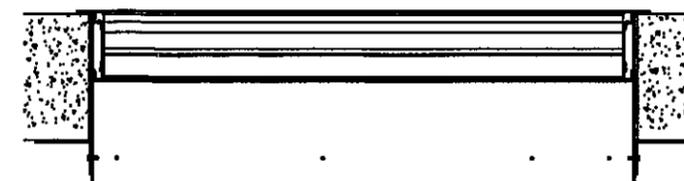
INTERIOR ELEVATION

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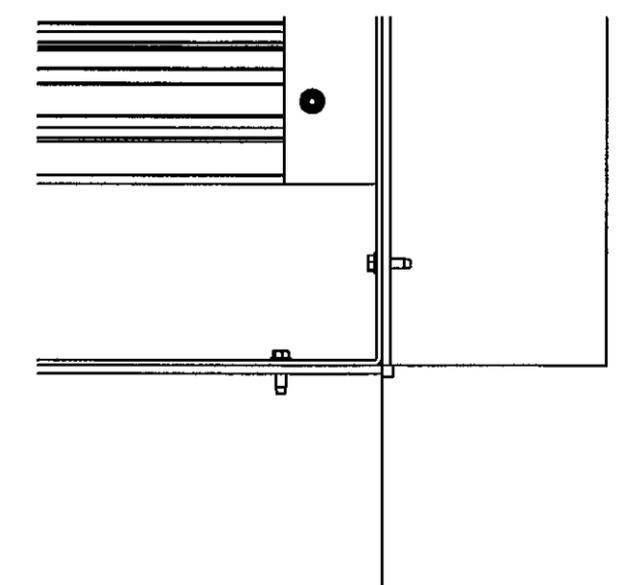


2" MAX FROM CORNERS

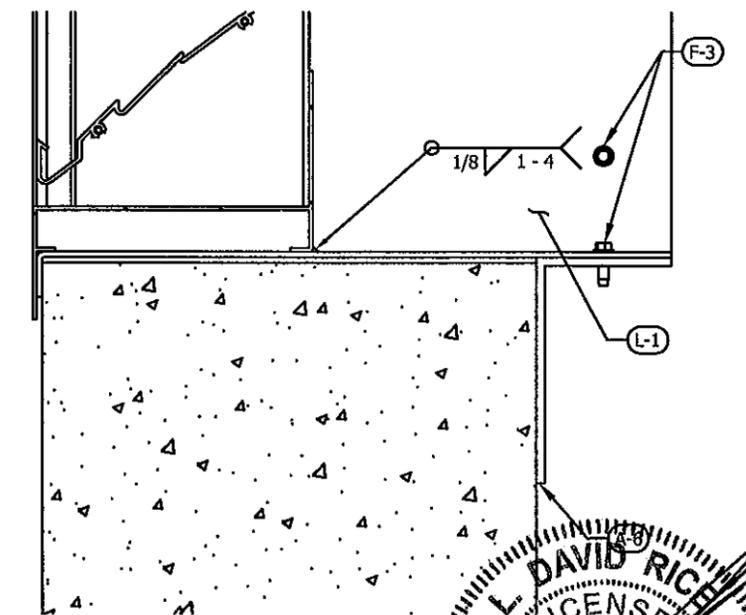
18" MAX SPACING TYPICAL ALL SIDES



SLEEVE ATTACHMENT $\frac{3}{4}'' = 1'$ **J** 150 PSF ONLY
E5 E5



SLEEVE ELEV DTL **13** **SLEEVE ATTACHMENT DTL**
 $3'' = 1' 0''$ E5 E5



SLEEVE SECT DTL **14** **SLEEVE ATTACHMENT DTL**
 $3'' = 1' 0''$ E5 E5

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SLEEVE ATTACHMENT $\frac{3}{4}'' = 1'$ **H** 150 PSF ONLY
E5 E5

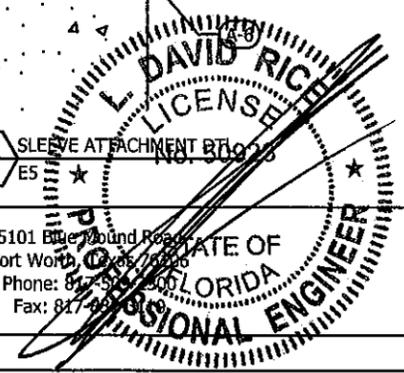
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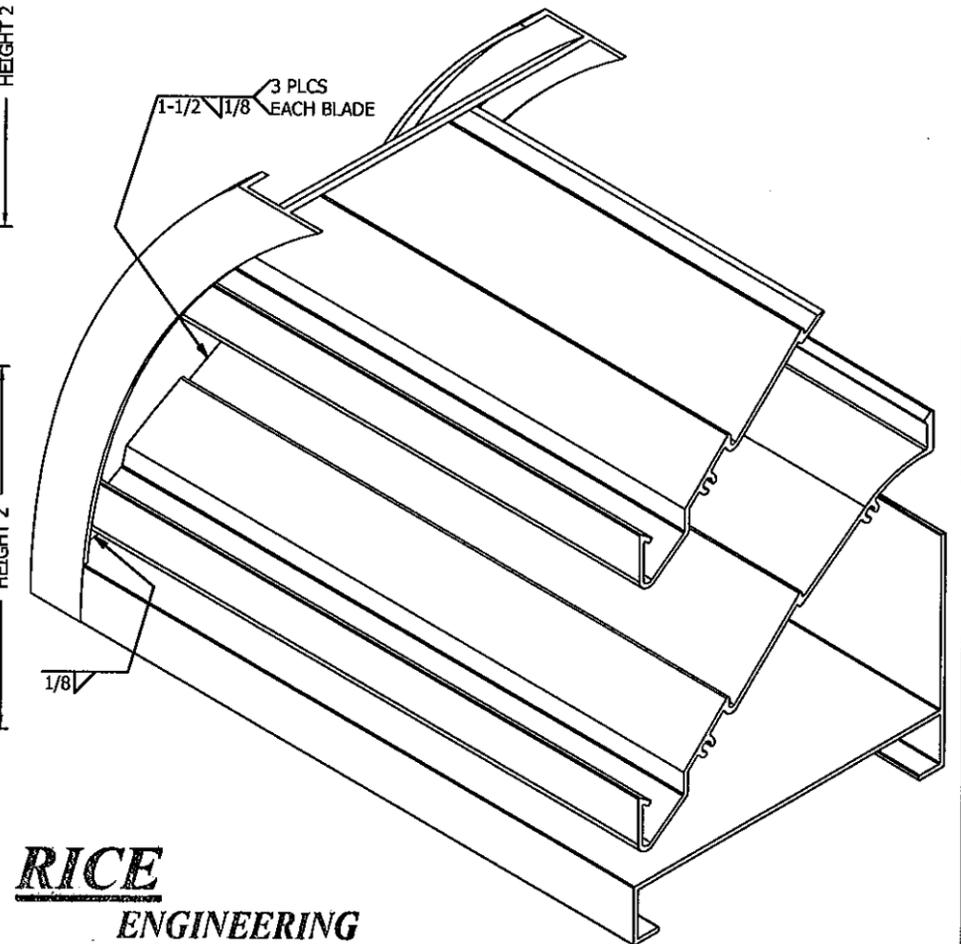
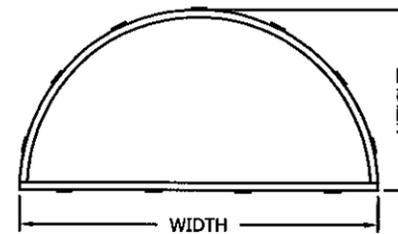
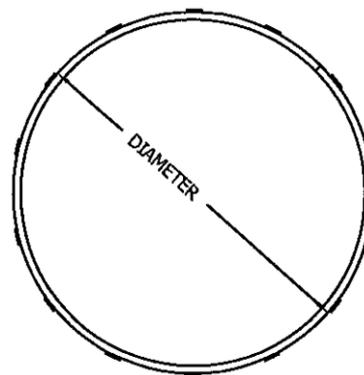
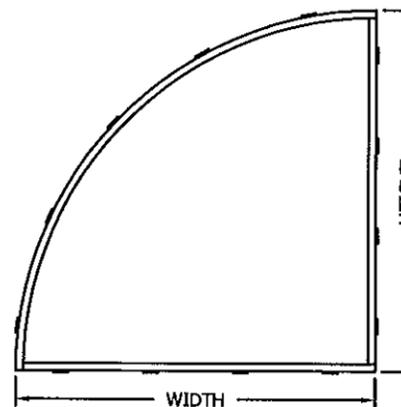
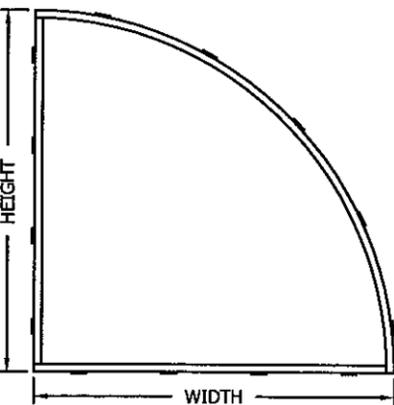
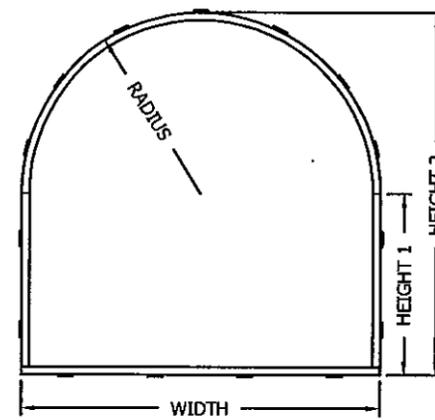
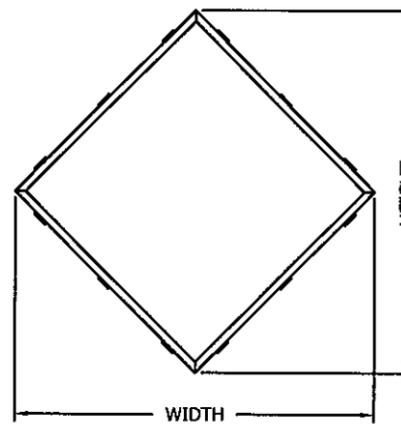
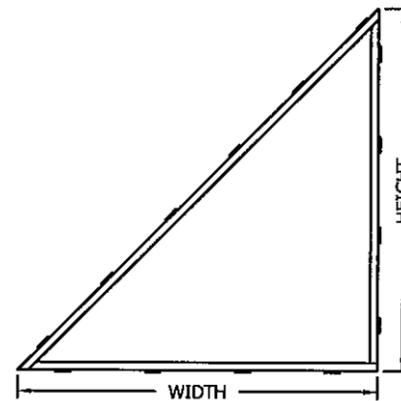
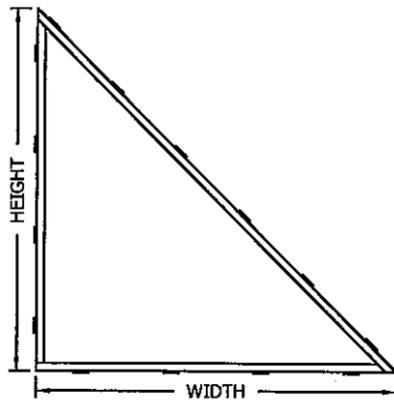
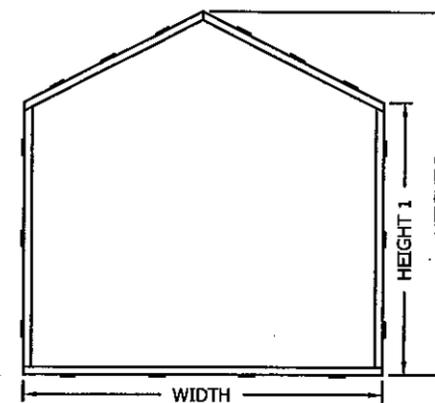
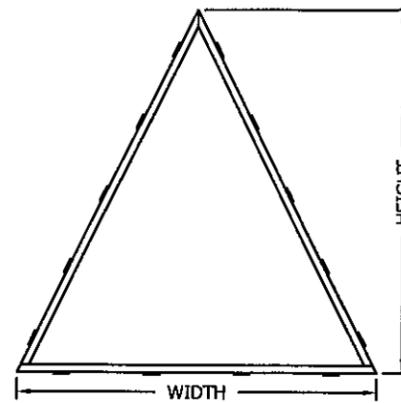
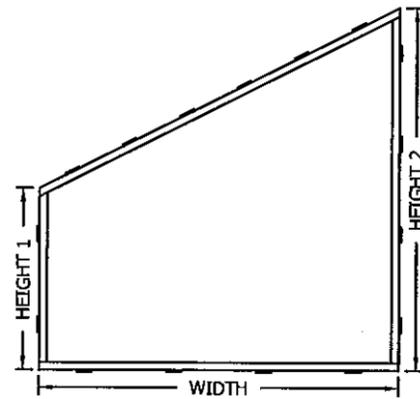
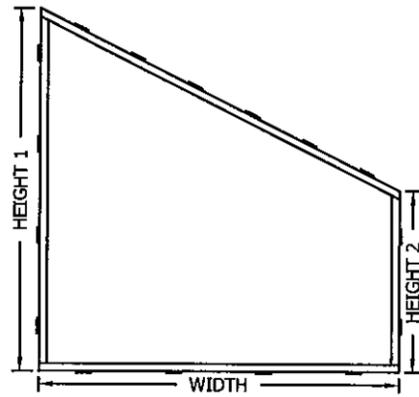
REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

- NOTE:
1) SLEEVED OPTION AVAILABLE ON SINGLE SECTION LOUVER ONLY
2) NO MECHANICAL FASTENING TO BUILDING CONDITION REQUIRED FOR SLEEVE

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DRAWING DESC.: SLEEVED LOUVER DETAILS			
PROJECT: EFD-637-MD			
LOCATION: JUN 27 2011			
ARCHITECT:			
CUSTOMER:			
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.
SCALE: 3/4" = 1' 0"	SHEET: 07 of 15		DRAWING NO. DC-E5

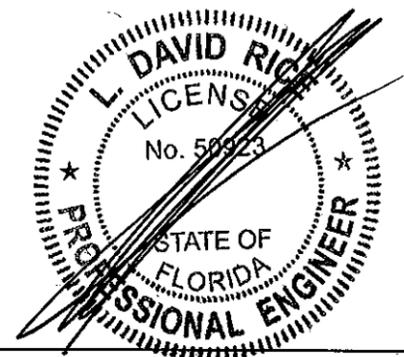




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L. David Rice
Registration No: 50923



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By *[Signature]*
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- NOTE:
1) SHAPED LOUVER DIMENSIONS NOT TO EXCEED MAX SINGLE SECTION SIZES
2) SHAPED SECTIONS REQUIRE 1/2" x 1/16"-THICK STAINLESS STEEL MESH SCREEN (E-14) MOUNTED IN PLACE OF THE EXPANDED ALUMINUM SCREEN (E-13)
3) SEE TABLE 3, PAGE E1, FOR MAX CLIP SPACING

FILE:

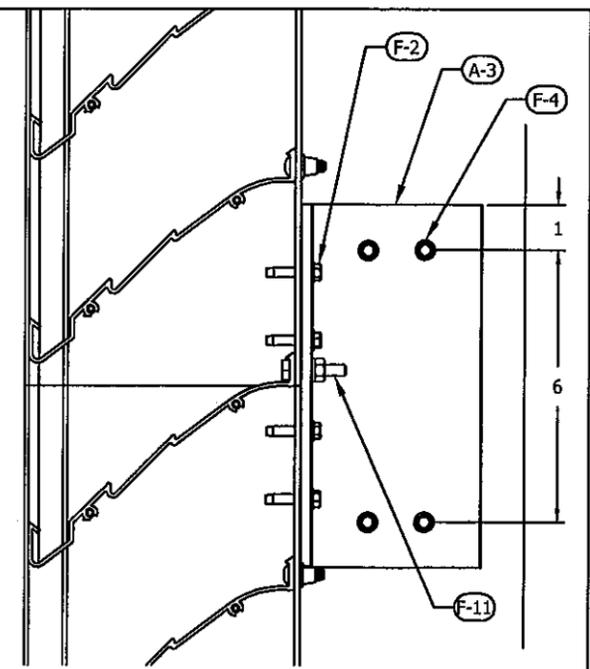
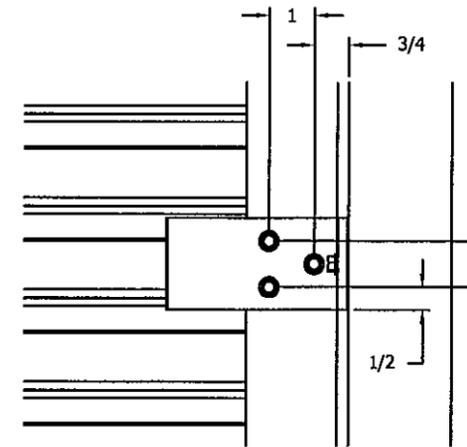
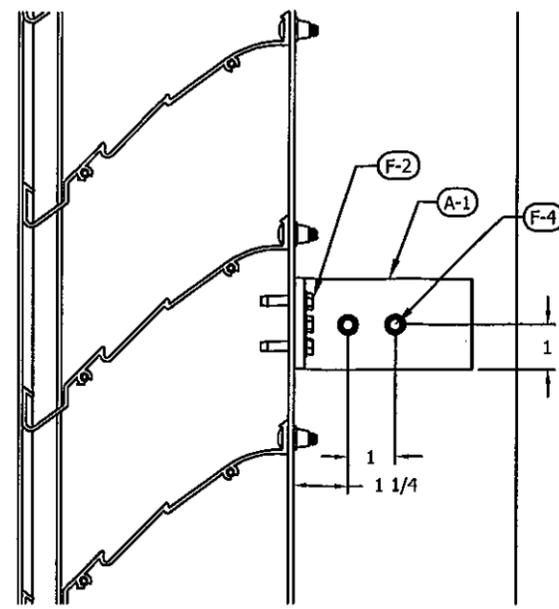
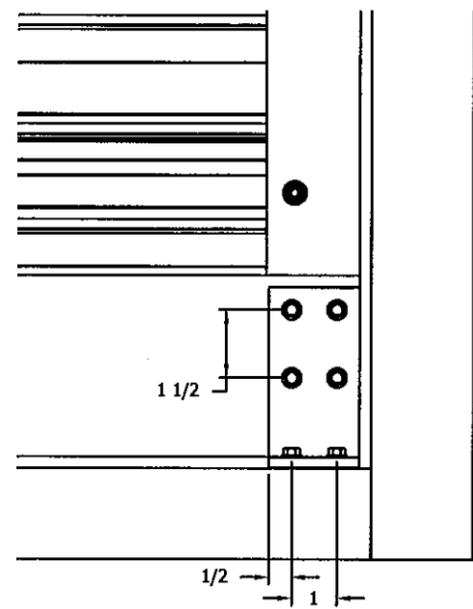
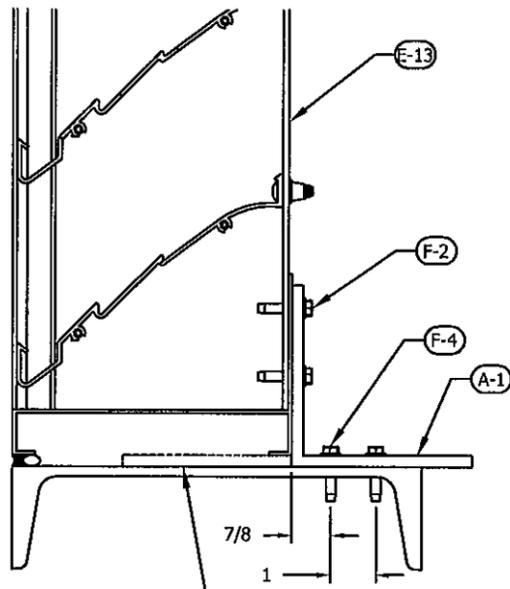
REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

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Phone: 817-509-2300
Fax: 817-831-3110 **JUN 27 2011**

DRAWING DESC.: SHAPED LOUVER DETAILS (150 PSF ONLY)				
PROJECT: EFD-637-MD				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.
SCALE: 3/4" = 1' 0"	SHEET: 08 of 15			DC-E6



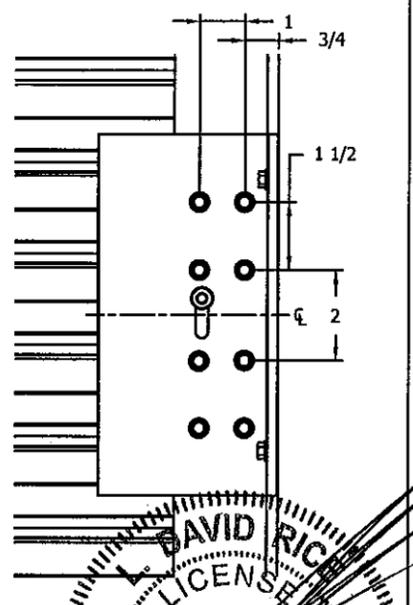
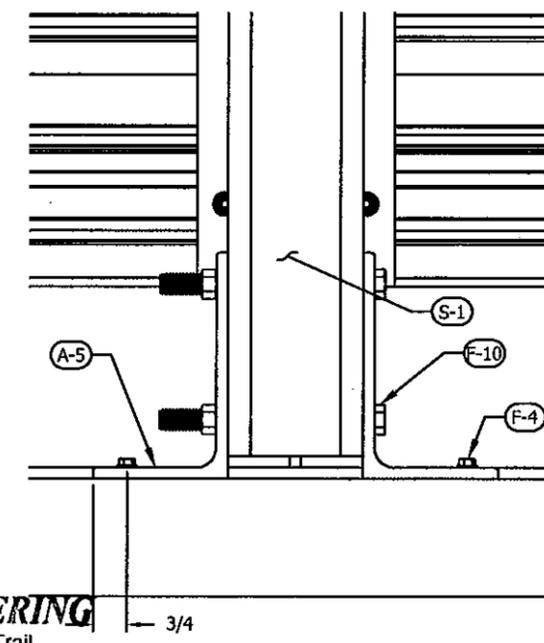
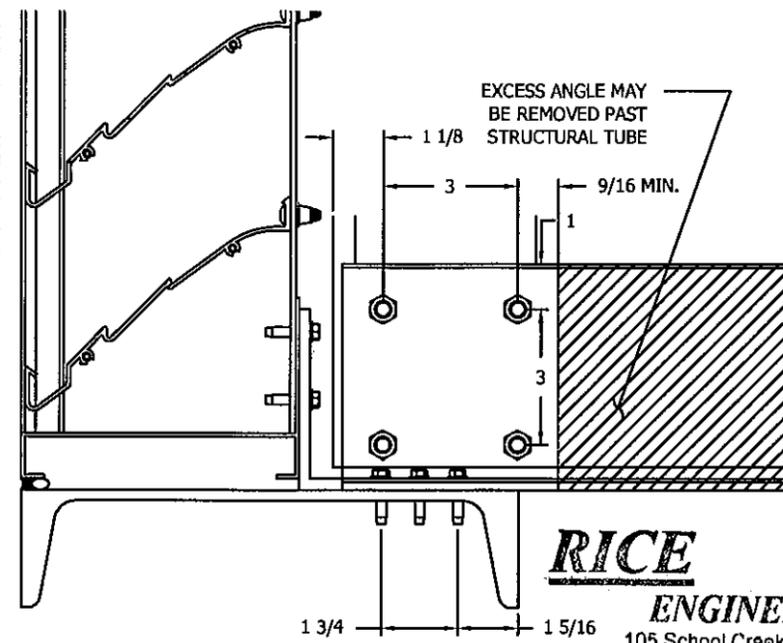
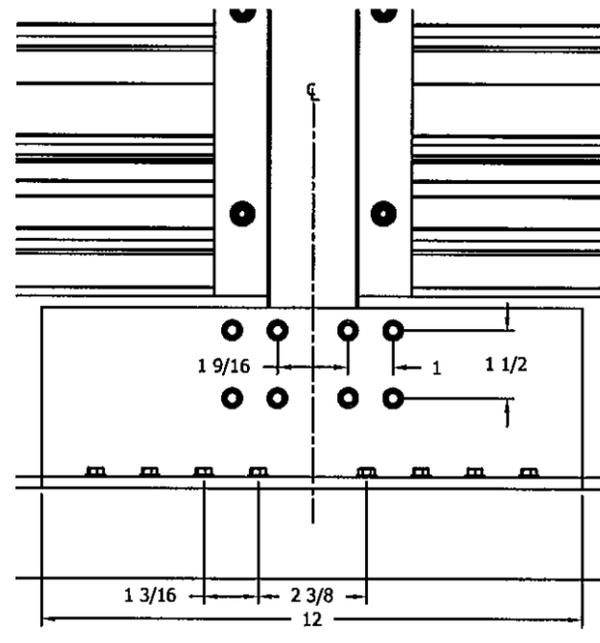
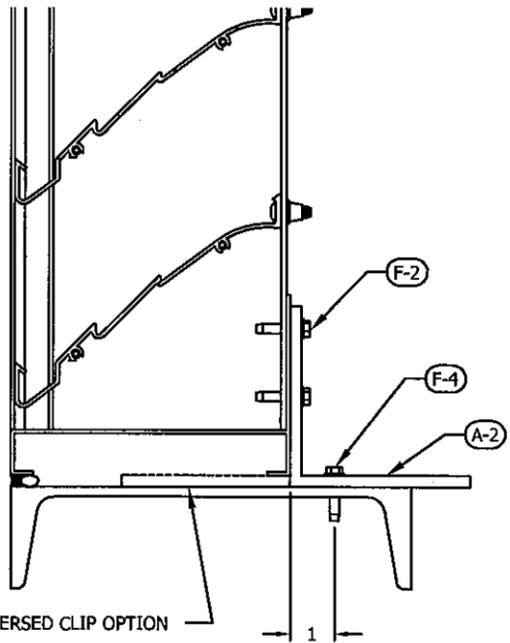
TOP & BTM SECT DTL 1 STEEL CONDITION
3" = 1' 0" D1 E1, E2

TOP & BTM ELEV DTL 2 STEEL CONDITION
3" = 1' 0" D1 E1, E2, E3, E4

JAMB SECT DTL 3 STEEL CONDITION
3" = 1' 0" D1 E1, E2

JAMB ELEV DTL 4 STEEL CONDITION
3" = 1' 0" D1 E1, E2, E3, E4

SPLICE SECT DTL (150 PSF) 9 STEEL CONDITION
3" = 1' 0" D1 E2



MULLION SECT DTL (80 PSF) 5 STEEL CONDITION
3" = 1' 0" D1 E3

MULLION ELEV DTL (80 PSF) 6 STEEL CONDITION
3" = 1' 0" D1 E3

MULLION SECT DTL (150 PSF) 7 STEEL CONDITION
3" = 1' 0" D1 E4

MULLION ELEV DTL (150 PSF) 8 STEEL CONDITION
3" = 1' 0" D1 E4

SPLICE ELEV DTL (150 PSF) 10 STEEL CONDITION
3" = 1' 0" D1 E2

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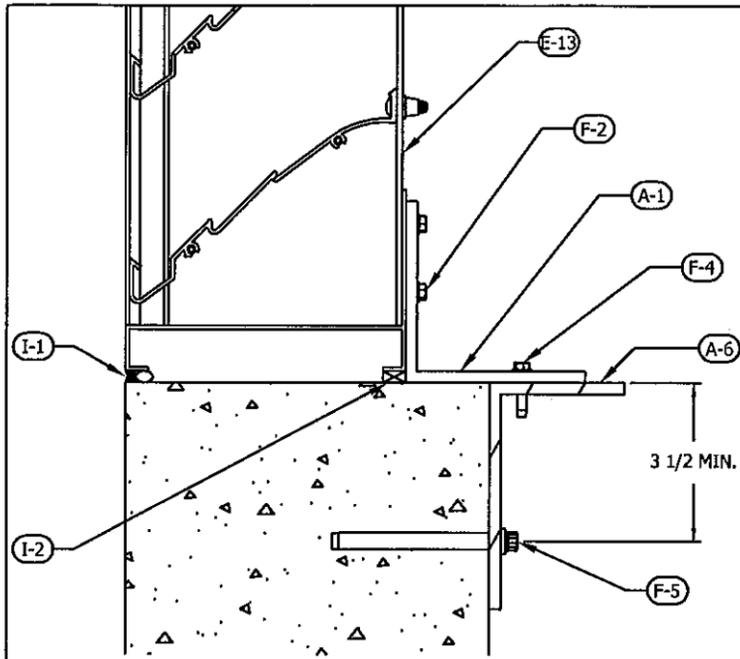
DAVID RICE
LICENSED PROFESSIONAL ENGINEER
No. 50923
STATE OF FLORIDA
5101 Blue Bluff Road
Fort Worth, Texas 76104
Phone: 817-336-3300
Fax: 817-827-3310

NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) MULTIPLE SECTION HIGH LOUVERS TO USE WITH 150 PSF INSTALLATION ONLY

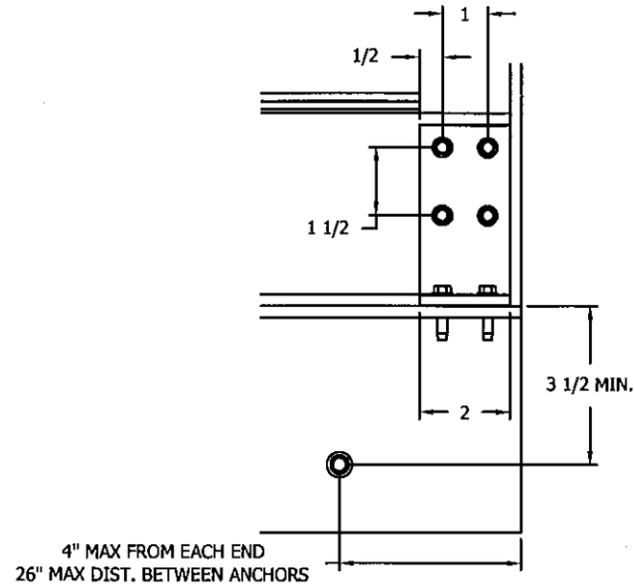
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

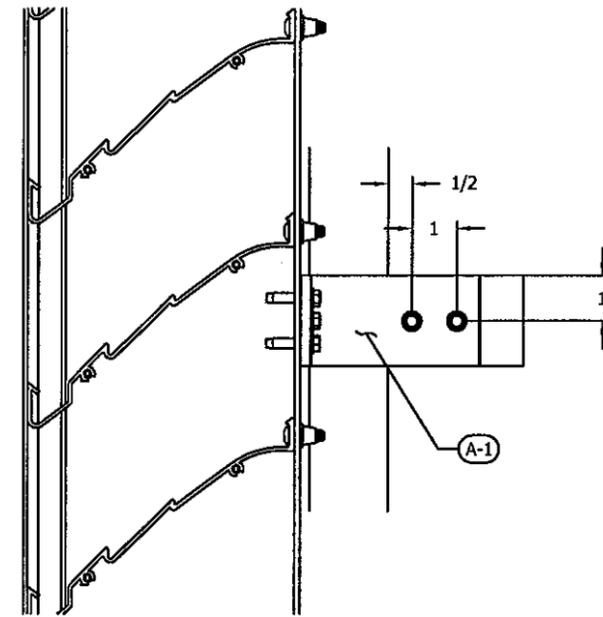
POTTORFF®				
DRAWING DESC.: ATTACHMENT DETAILS, STEEL CONDITION, 80 & 150 PSF				
PROJECT: EFD-637-MD				
LOCATION: JUN 27 2011				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO. DC-D1
SCALE: 3/4" = 1' 0"	SHEET: 09 of 15			



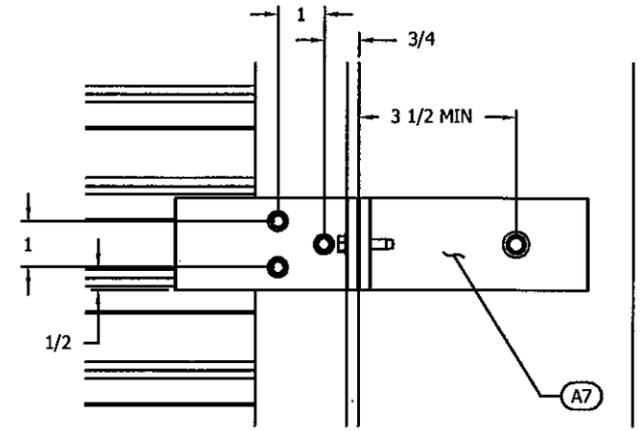
TOP & BTM SECT DTL 1 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2



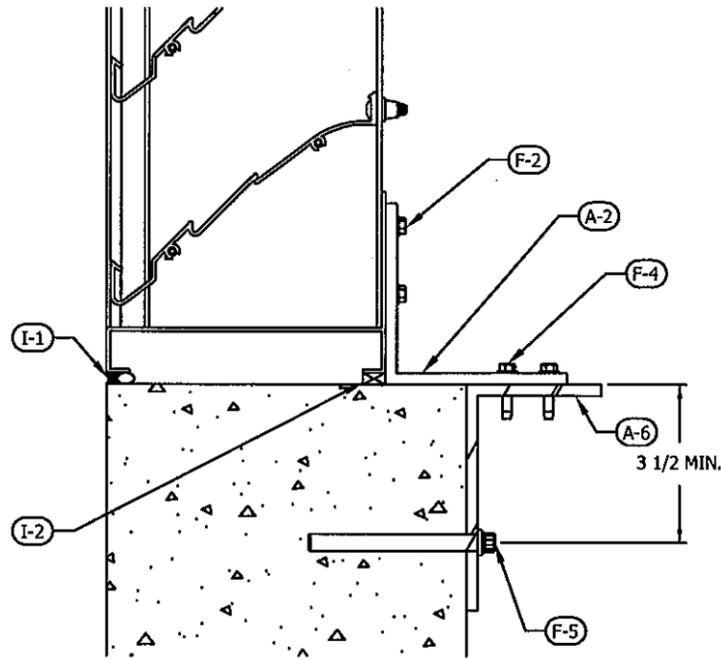
TOP & BTM ELEV DTL 2 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2, E3, E4



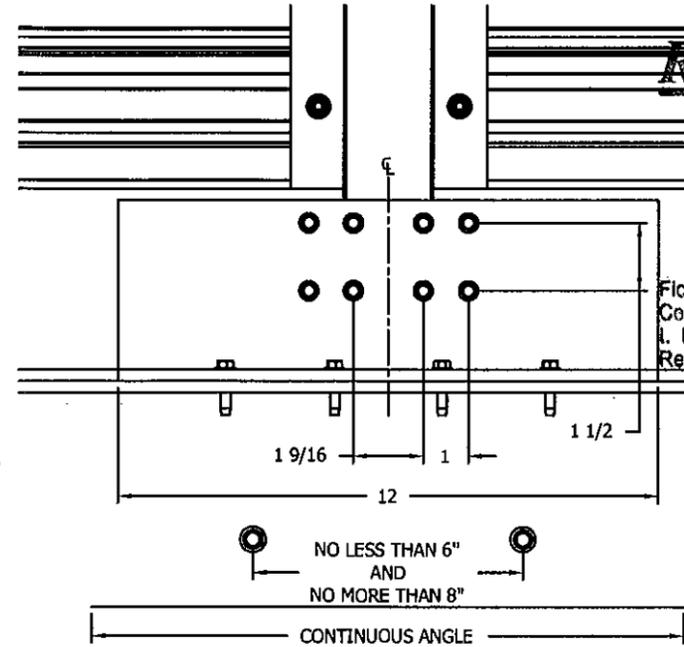
JAMB SECT DTL 3 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2



JAMB ELEV DTL 4 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2, E3, E4



MULLION SECT DTL 5 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E3



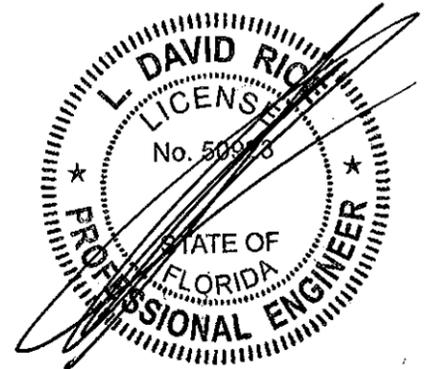
MULLION ELEV DTL 6 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E3

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Registration No: 50923

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as complying with the Florida
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Acceptance No 11-0929.03
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Miami Dade Product Control



JUN 27 2011

POTTORFF®

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Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESC.: ATTACHMENT DETAILS, MASONRY CONDITION, TENSION CONNECTION, 80 PSF

PROJECT: EFD-637-MD

LOCATION:

ARCHITECT:

CUSTOMER:

DATE: 12/17/2010

DWN BY: TB

POTTORFF
ORDER NO.

CUSTOMER
P.O. NO.

DRAWING NO.

SCALE: 3/4" = 1' 0"

SHEET: 10 of 15

DC-D2

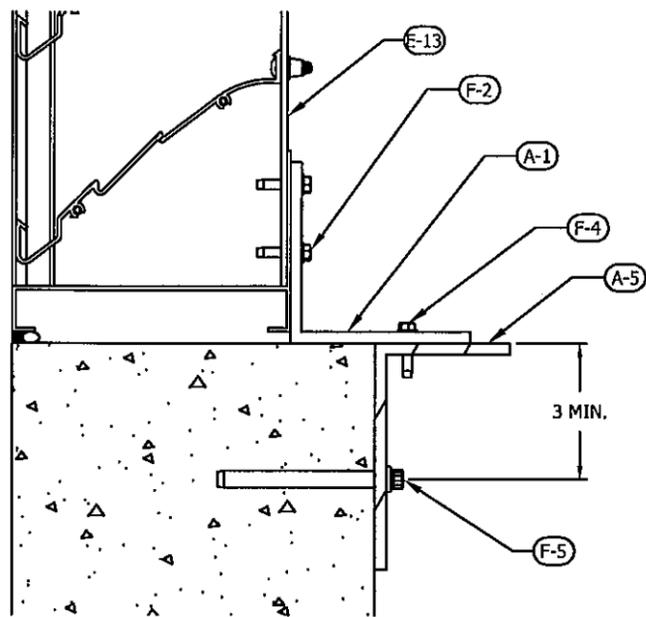
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
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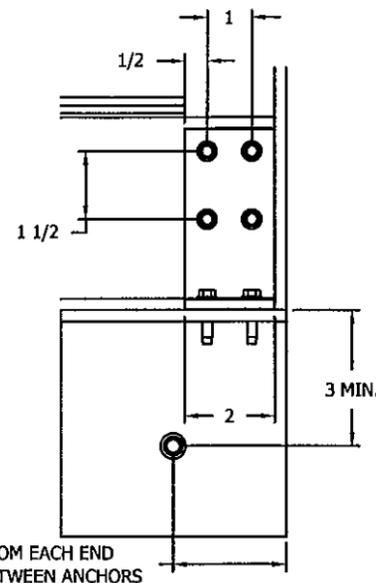
NOTE:

1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION

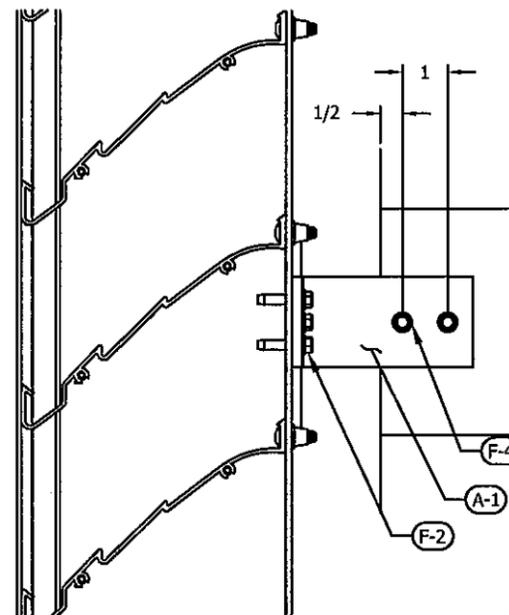
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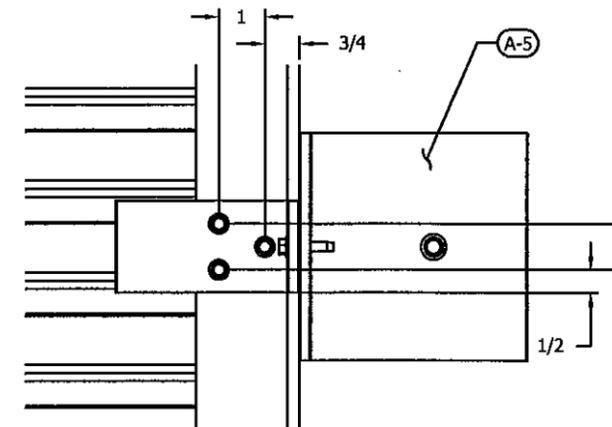
TOP & BTM SECT DTL 1 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2



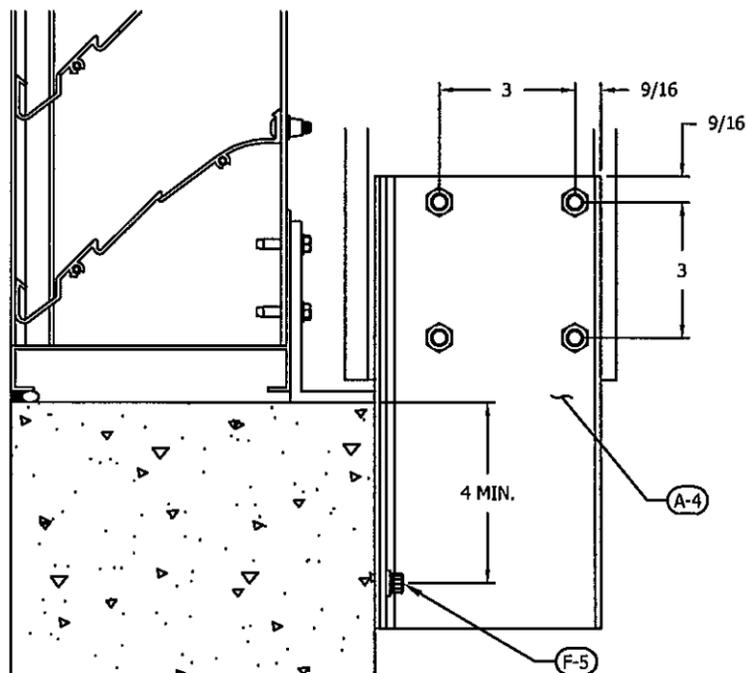
TOP & BTM ELEV DTL 2 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2, E3, E4



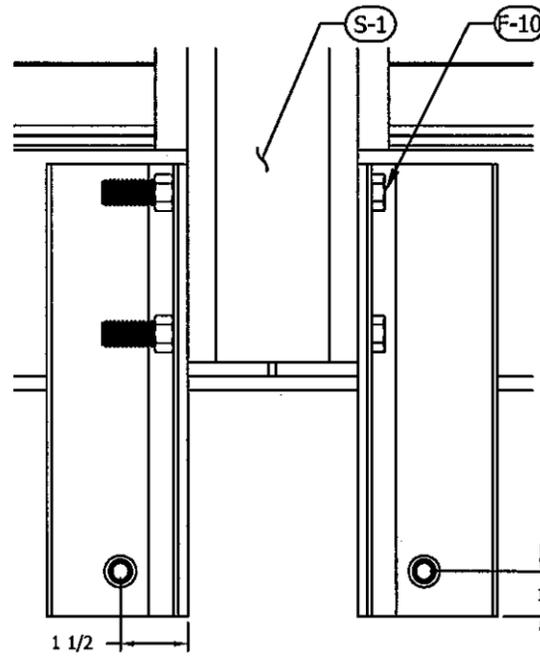
JAMB SECT DTL 3 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2



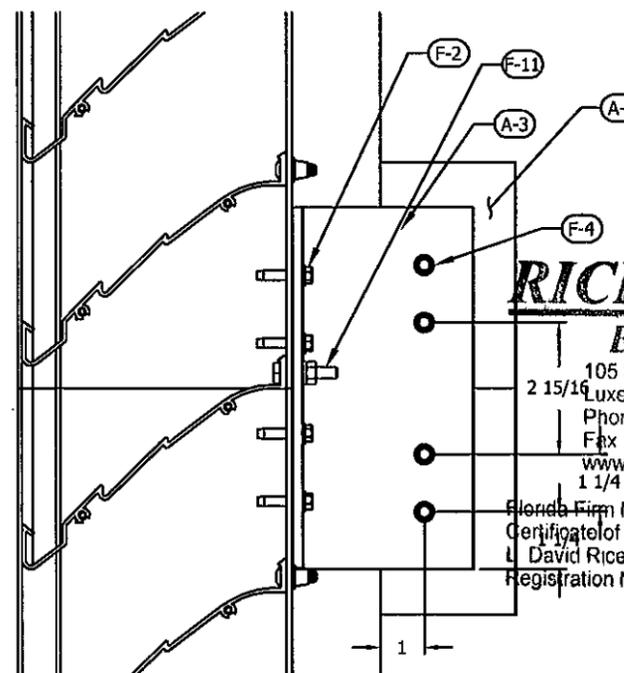
JAMB ELEV DTL 4 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2, E3, E4



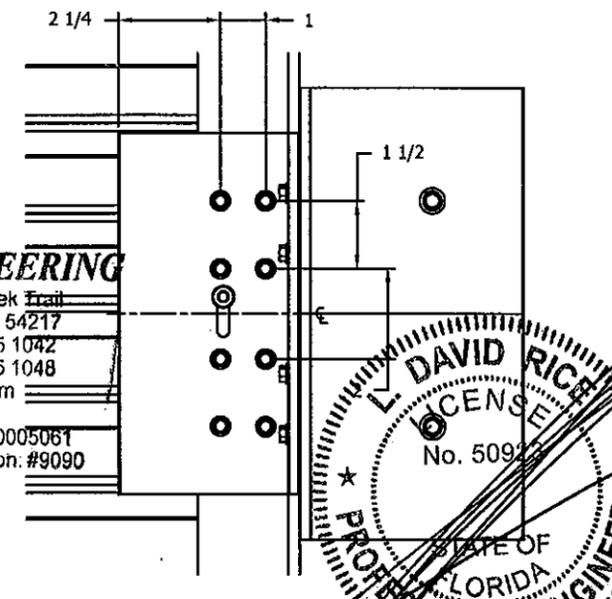
MULLION SECT DTL 7 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E4



MULLION ELEV DTL 8 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E4

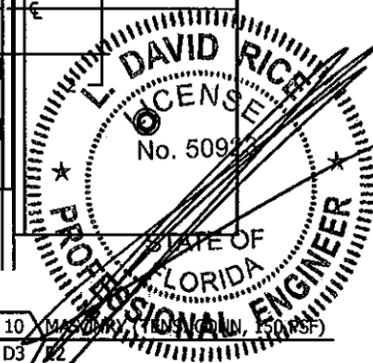


SPLICE SECT DTL 9 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E2



SPLICE ELEV DTL (150 PSF) 10 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E2

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Acceptance No 11-0429.03
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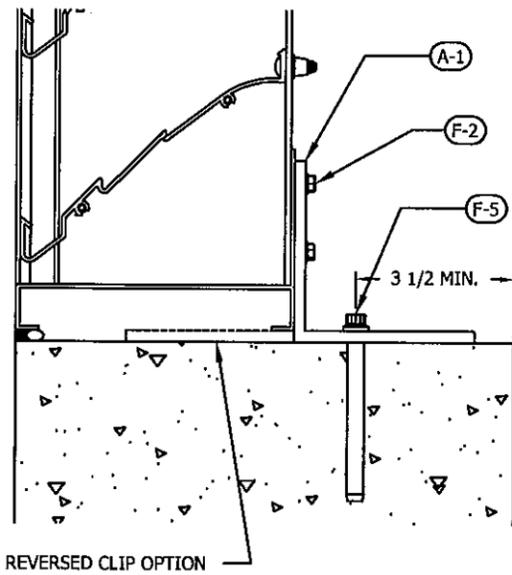
By *[Signature]*
Miami Data Product Control

- NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) 3/8" HILTI KWIK BOLT 3 (F-9) MAY BE USED AS ALTERNATIVE FOR EPOXY ANCHOR (F-5), SEE SHEET 15

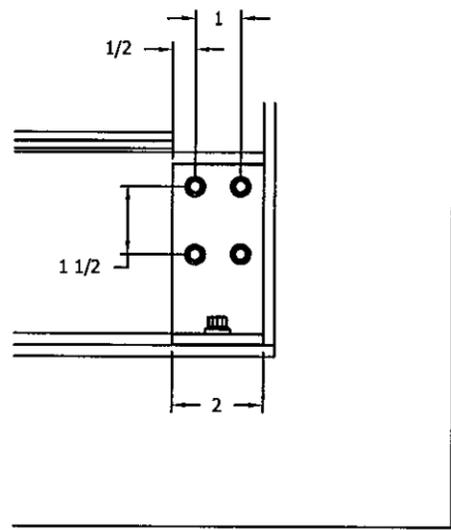
REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

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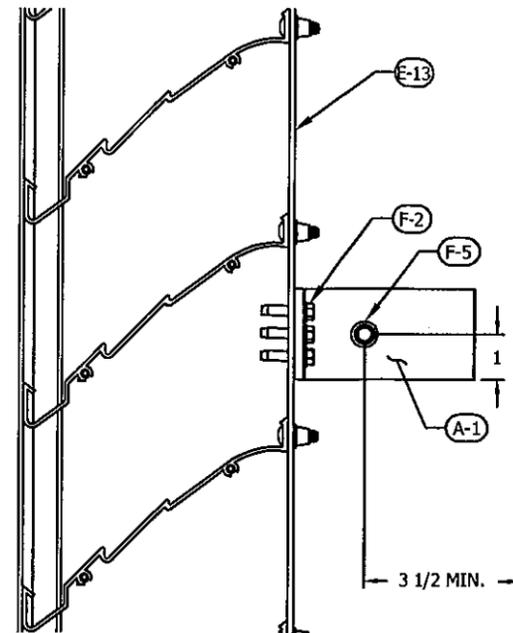
POTTORFF®		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110		JUN 27 2011	
DRAWING DESC.: ATTACHMENT DETAILS, MASONRY CONDITION, TENSION CONNECTION, 150 PSF					
PROJECT: EFD-637-MD					
LOCATION:					
ARCHITECT:					
CUSTOMER:					
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.	
SCALE: 3/4" = 1' 0"	SHEET: 11 of 15			DC-D3	



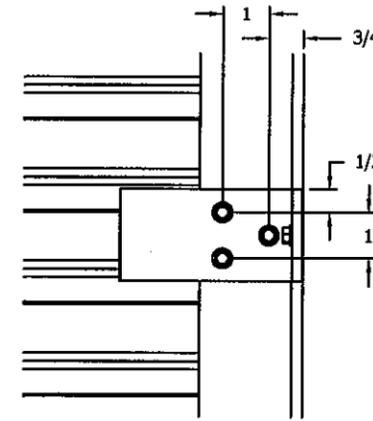
TOP & BTM SECT DTL 1 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2



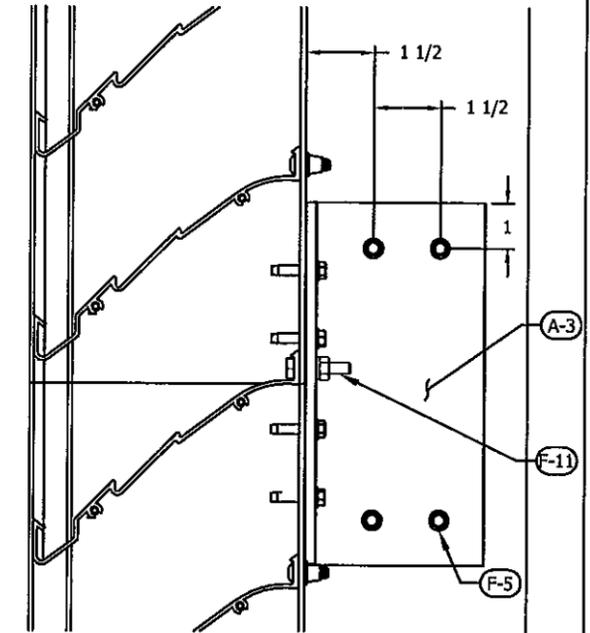
TOP & BTM ELEV DTL 2 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2, E3, E4



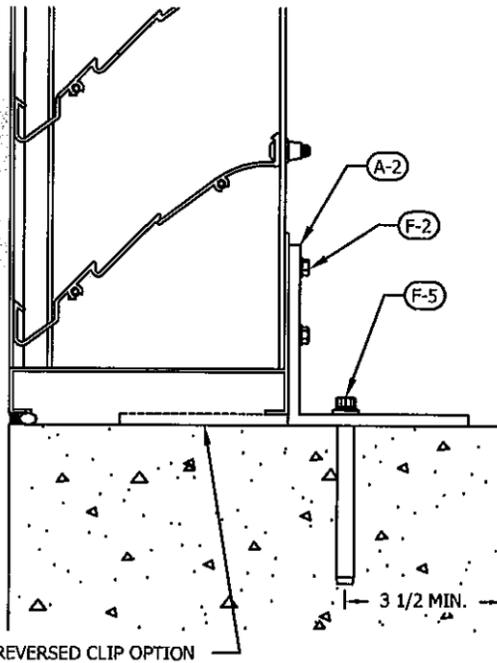
JAMB SECT DTL 3 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2



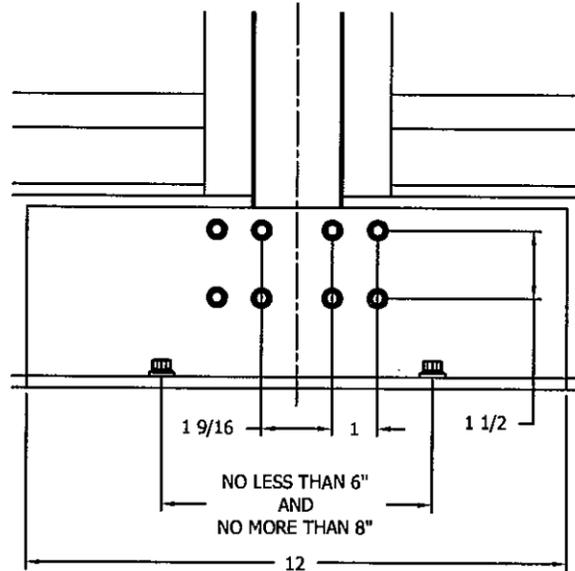
JAMB ELEV DTL 4 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2, E3, E4



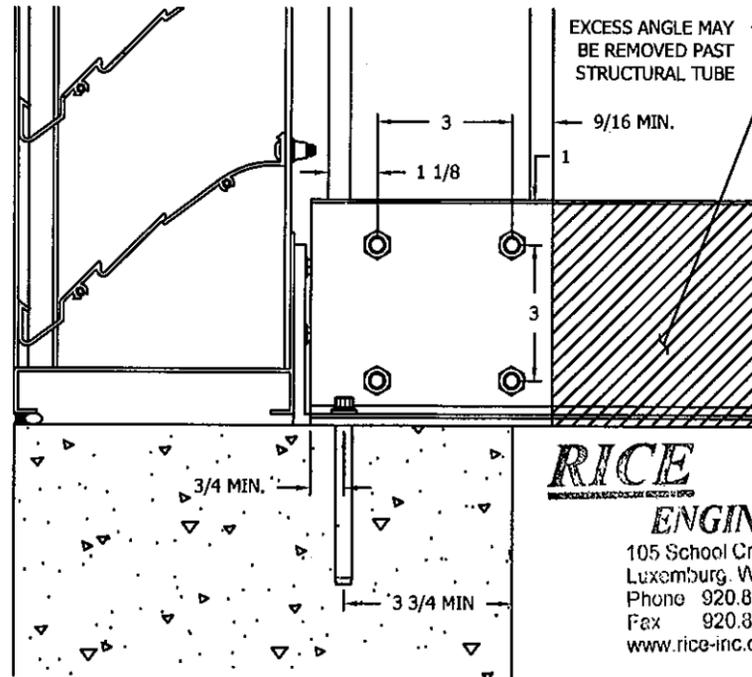
SPLICE SECT DTL (150 PSF) 9 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E2



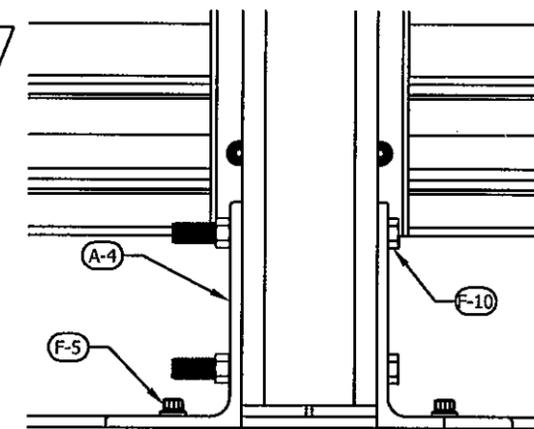
MULLION SECT DTL (80 PSF) 5 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E3



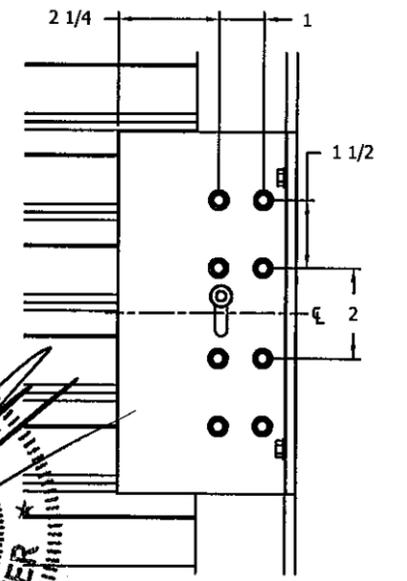
MULLION ELEV DTL (80 PSF) 6 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E3



MULLION SECT DTL (150 PSF) 7 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E4



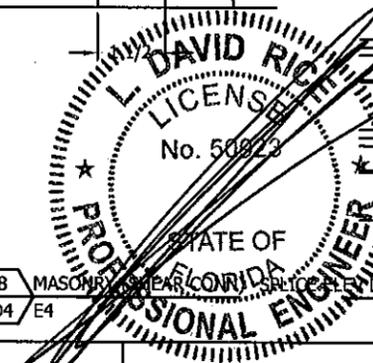
MULLION ELEV DTL (150 PSF) 8 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E4



SPLICE SECT DTL (150 PSF) 10 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E2

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Registration No: 50923



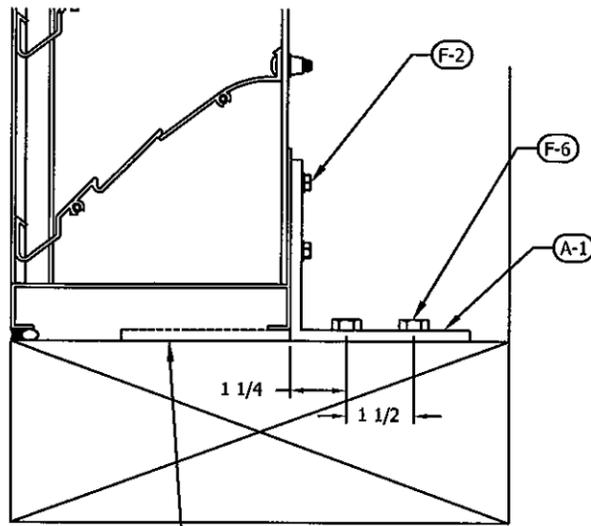
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0429.03
Expiration Date 02/19/2014
By *[Signature]*
Miami Dade Product Control

- NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) HILTI KWIK BOLT 3 MAY BE USED AS ALTERNATIVE FOR EPOXY ANCHOR (F-5) ON 150 PSF INSTALLATION ONLY, SEE SHEET 15. 1/2" KWIK BOLT 3 (F-14) REQUIRED FOR SHEAR CONNECTION AT MULLION, 3/8" KWIK BOLT 3 (F-9) EVERYWHERE ELSE.
3) MULTIPLE SECTION HIGH LOUVERS TO USE WITH 150 PSF INSTALLATION ONLY

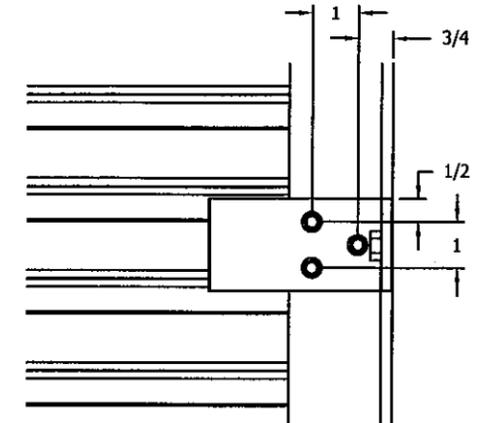
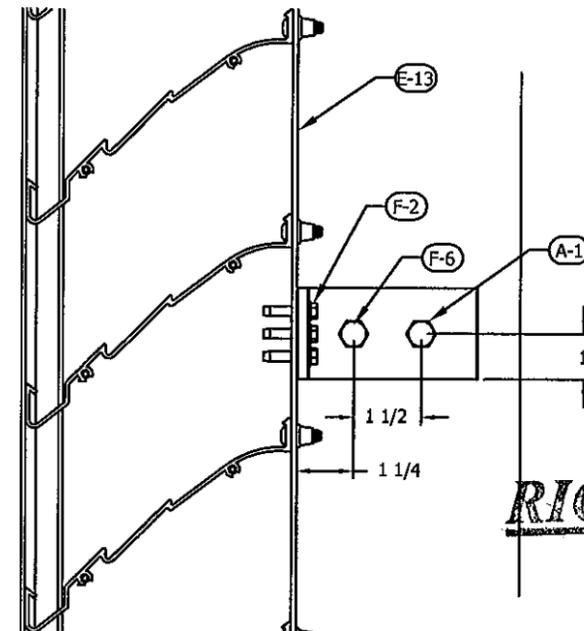
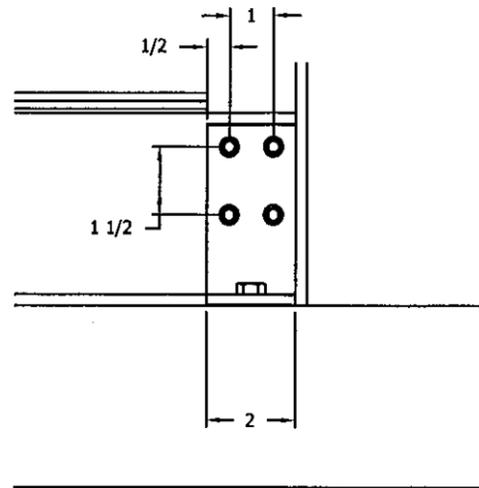
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
1	MADE CHG'S PER 6/7/11 LETTER	6/9/11	NW

POTTORFF		5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	
DRAWING DESC.: ATTACHMENT DETAILS, MASONRY CONDITION, SHEAR CONNECTION, 80 & 150 PSF		JUN 27 2011	
PROJECT: EFD-637-MD		ARCHITECT:	
LOCATION:		CUSTOMER:	
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.
SCALE: 3/4" = 1' 0"	SHEET: 12 of 15		DRAWING NO. DC-D4



REVERSED CLIP OPTION



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ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone 920.845.1042
Fax 920.845.1048
www.rice-inc.com

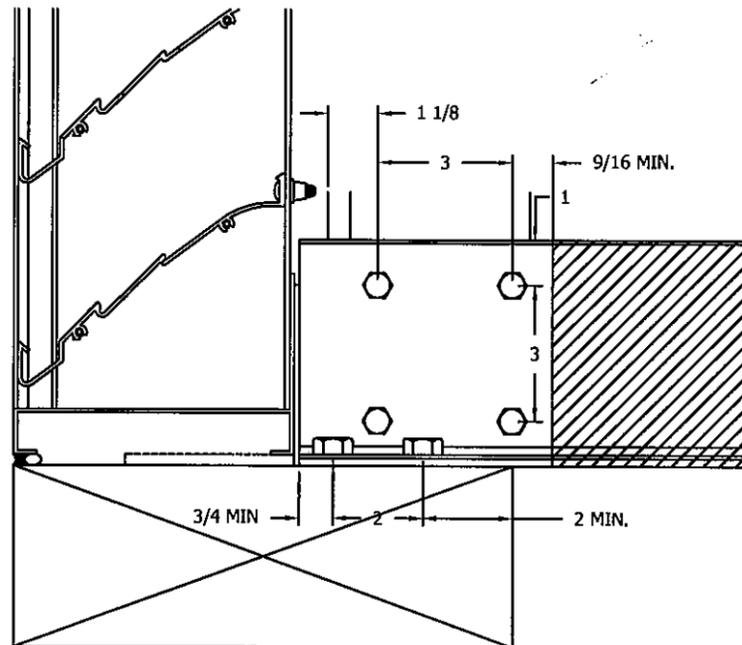
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

JAMB ELEV DTL 4 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2, E3, E4

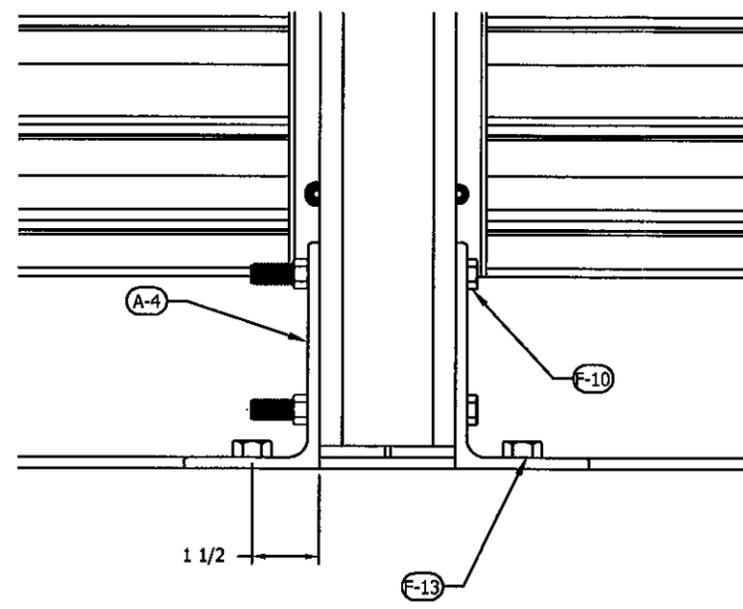
TOP & BTM SECT DTL 1 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2

TOP & BTM ELEV DTL 2 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2, E3, E4

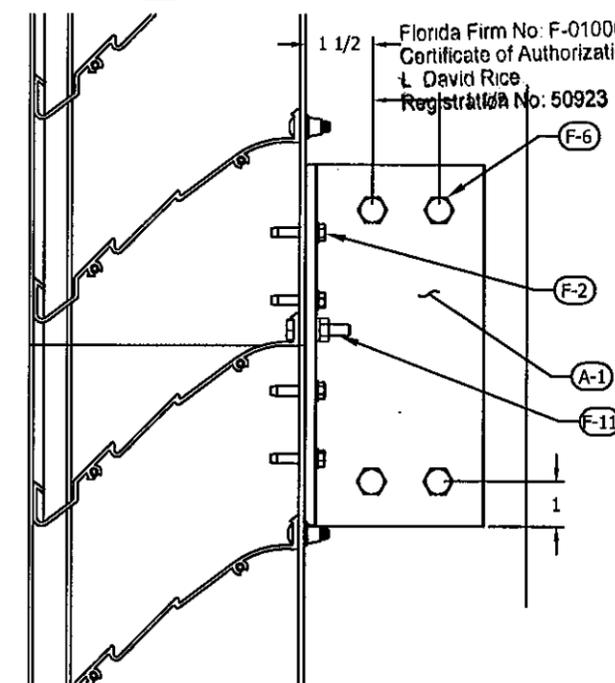
JAMB SECT DTL 3 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2, E3, E4



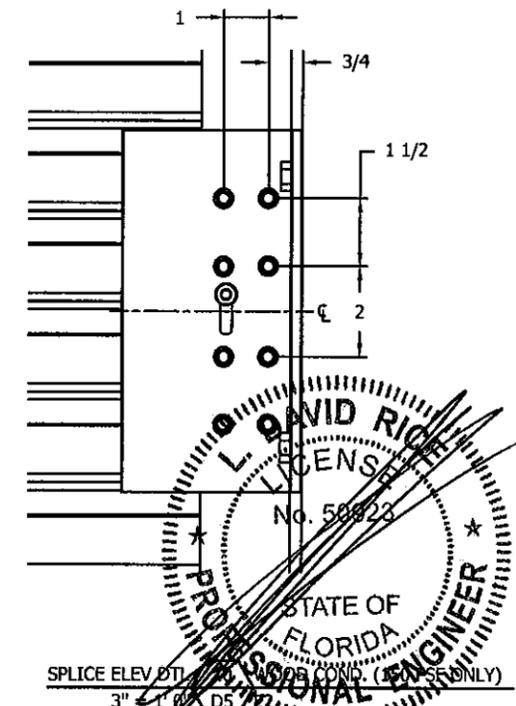
MULLION SECT DTL 7 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E4



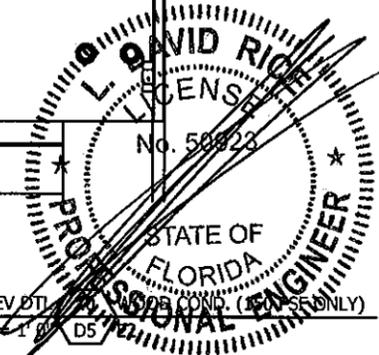
MULLION ELEV DTL 8 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E4



SPLICE SECT DTL 9 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E2



SPLICE ELEV DTL 10 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E2



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0429.03
Expiration Date 02/17/2014
By *[Signature]*
Miami Dade Product Control

NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) WOOD CONDITION TO BE GROUP 3 MINIMUM LUMBER GRADE AS IDENTIFIED BY
THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

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5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110
DATE 2 7 2011

DRAWING DESC.: ATTACHMENT DETAILS, WOOD CONDITION, 150 PSF ONLY			
PROJECT: EFD-637-MD			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.
SCALE: 3/4" = 1' 0"	SHEET: 13 of 15		DRAWING NO. DC-D5

PART #: E-1
 PART NAME: LOUVER HEAD
 MATERIAL: 0.081" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-6
 PART NAME: I-MULLION
 MATERIAL: 0.078" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: A-2
 PART NAME: MULLION CLIP ANGLE
 MATERIAL: 4" x 4" x 1/4" x 12"L 6061-T6
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-2
 PART NAME: LOUVER HEAD, FLANGED
 MATERIAL: 0.081" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-7
 PART NAME: LOUVER SILL
 MATERIAL: 0.081" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: A-3
 PART NAME: SPLICE ANGLE
 MATERIAL: 4" x 4" x 1/4" x 8"L 6061-T6
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-3
 PART NAME: LOUVER BLADE
 MATERIAL: 0.081" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-8
 PART NAME: LOUVER SILL, FLANGED
 MATERIAL: 0.081" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: A-4
 PART NAME: STRUCTURAL ANGLE, LONG
 MATERIAL: 5" x 3" x 3/8" x 10"L 6061-T6
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-4
 PART NAME: LOUVER JAMB
 MATERIAL: 0.125" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-12
 PART NAME: ROLLFRAME EXTRUSION
 MATERIAL: 0.081" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

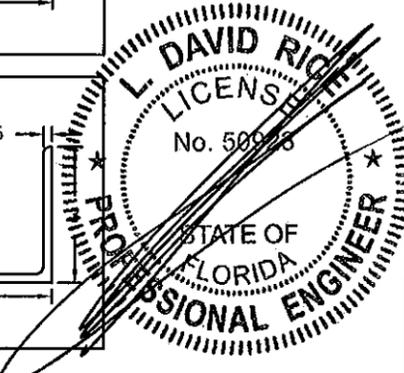
PART #: A-5
 PART NAME: STRUCTURAL ANGLE, SHORT
 MATERIAL: 5" x 3" x 3/8" x 5"L 6061-T6
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: E-5
 PART NAME: LOUVER JAMB, FLANGED
 MATERIAL: 0.125" THICK 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: A-1
 PART NAME: CLIP ANGLE
 MATERIAL: 4" x 4" x 1/4" x 2"L 6061-T6
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

PART #: A-6
 PART NAME: CONTINUOUS ANGLE
 MATERIAL: 5" x 3" x 3/16" 6063-T5
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"

RICE ENGINEERING
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 Florida Firm No: F-0100005061
 Certificate of Authorization: #9090
 L. David Rice
 Registration No: 50923



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 11-0429.03
 Expiration Date 02/19/2014
 By *[Signature]*
 Miami Trade Product Control

POTTORFF
 S101 Blue Mound Road JUN 27 2011
 Fort Worth, Texas 76106
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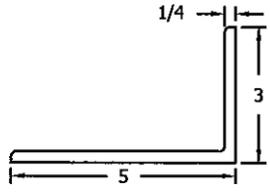
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
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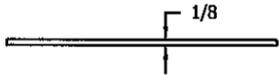
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DRAWING DESC.: BILL OF MATERIALS				
PROJECT: EPD-637-MD				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 12/17/2010	DWN BY: TB	POTTORFF ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.
SCALE: 3" = 1'-0"	SHEET: 14 of 15			DC-B1

PART #: A-7
 PART NAME: INTERMEDIATE JAMB CONDITION
 CLIP ANGLE
 MATERIAL: 5" x 3" x 1/4" x 2"L 6063-TS
 EXTRUDED ALUMINUM
 SCALE: 3" = 1'-0"



PART #: L-1
 PART NAME: SLEEVE
 MATERIAL: 0.125" THICK 5052-H32
 SHEET ALUMINUM
 SCALE: 3" = 1'-0"



PART #: S-1
 PART NAME: TUBE SUPPORT BY OTHERS
 MATERIAL: 5" x 3" x 1/4" ASTM A36
 STRUCTURAL TUBE STEEL
 SCALE: 3" = 1'-0"



MISC. FASTENERS	
PART #	DESCRIPTION
F-1	#10-24 X 3/4"L, 410 S.S., 'F' POINT THREAD-CUTTING MACHINE SCREW, BRIGHT HARDENED, PASSIVATED & WAXED, MADE IN U.S.A.
F-2	#12-24 X 1"L, 410 S.S., 'F' POINT THREAD-CUTTING MACHINE SCREW, BRIGHT HARDENED, PASSIVATED & WAXED, MADE IN U.S.A.
F-3	#10-24 X 3/4"L, 410 S.S., SELF-DRILLING TEK MACHINE SCREW
F-4	#12-24 x 1"L, 410 S.S., SELF-DRILLING TEK MACHINE SCREW
F-5	Ø3/8" x 3/8"L HILTI HIT HY 150 MAX EPOXY INJECTED ADHESIVE ANCHOR W/ 5 1/8"L S.S. HAS ROD, EMBEDMENT DEPTH OF 3 1/2"
F-6	3/8- x 2 1/2" STEEL LAG BOLT, ZINC PLATED W/ STEEL FLAT WASHER, ZINC PLATED
F-7	5/16-18 1 1/4" L ROUND HEAD, SQUARE NECK BOLT & 5/16-18 FLANGED HEX NUT
F-8	1/4-20 x 1 1/4" L HEX HEAD BOLT & 1/4-20 HEX NUT
F-9	Ø3/8" x 5"L S.S. HILTI KWIK-BOLT 3, EMBEDMENT DEPTH OF 3 1/2"
F-10	3/8-16 x 5" L S.S. HEX HEAD BOLT & 3/8-16 HEX NUT
F-11	1/4-20 x 1 1/4" SST HEX HEAD BOLT, (2) SST FLAT WASHER & 1/4-20 SST HEX NUT
F-12	1/4" HUCK MAGNA GRIP LOCK BOLT, PIN & COLLAR, ALUMINUM
F-13	1/2- x 3 1/2" STEEL LAG BOLT, ZINC PLATED W/ STEEL FLAT WASHER, ZINC PLATED
F-14	Ø1/2" x 4 1/2"L S.S. HILTI KWIK-BOLT 3, EMBEDMENT DEPTH OF 3 1/2"

INSTALLATION NOTES	
PART #	DESCRIPTION
I-1	SEALANT AND BACKER ROD PROVIDED BY INSTALLER (TYP)
I-2	SHIM AS REQUIRED TO MAKE LEVEL AND PLUMB. PROVIDED BY INSTALLER (TYP)

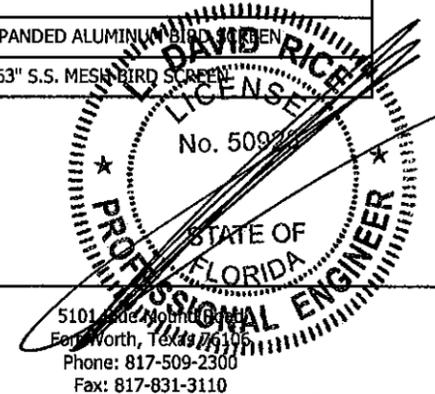
SCREEN & FRAME	
PART #	DESCRIPTION
E-13	SCREEN FRAME, 0.065" THICK, 6063-TS EXTRUDED ALUMINUM W/ 1/2" X 0.050" EXPANDED ALUMINUM MESH SCREEN
E-14	SCREEN FRAME, 0.065" THICK, 6063-TS EXTRUDED ALUMINUM W/ 1/2" x 0.063" S.S. MESH BIRD SCREEN

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DRAWING DESC.: BILL OF MATERIALS		JUN 27 2011		
PROJECT: EFD-637-MD				
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SCALE: 3" = 1' 0"	SHEET: 15 of 15			DC-B2

REV. NO.	DESCRIPTION	DATE	DRAWN BY
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