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/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PCI Industries Inc. dba All-Lite Arch. Products
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 RER-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. RER 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 ECD-545-MD Aluminum Louver w/ or w/o CD-55 Damper

APPROVAL DOCUMENT: Drawing No. **ECD-545-MD NOA**, titled "ECD-545-MD", sheets 1 through 19 of 19, dated 05/08/2014, with revision 2 dated 09/17/2014, prepared by the manufacturer, 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, model/series, 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 # 11-1117.20** 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.**

MIAMI-DADE COUNTY APPROVED

03/26/2015

NOA No. 14-0714.02
Expiration Date: October 9, 2018
Approval Date: April 2, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **ECD-545-MD NOA**, titled "ECD-545-MD", sheets 1 through 19 of 19, dated 05/08/2014, with revision 2 dated 09/17/2014, prepared by the manufacturer, 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 Model ECD-545-MD Aluminum Louvers, prepared by Architectural Testing, Inc, Test Report No. **C8133.01-801-18**, dated 04/10/2014, with revision 2 dated 01/27/2015, signed and sealed by Shawn G. Collins, P.E.
2. 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 Model ECD-545-MD Aluminum Louvers, prepared by Architectural Testing, Inc, Test Report No. **C8133.01-801-18**, dated 04/10/2014, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on High Velocity Wind Driven Rain Resistance per AMCA 550-09 of a Model ECD-545-MD Aluminum Louver, prepared by Architectural Testing, Inc, Test Report No. **C3811.01-801-18**, dated 12/18/2012, signed and sealed by Vinu J. Abraham, P.E.

   "Submitted under NOA # 11-0429.02"

4. 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 ECD-545-MD Aluminum Louver, prepared by Architectural Testing, Inc, Test Report No. **A1620.01-801-18**, dated 10/18/2010, signed and sealed by Joseph A. Reed, P.E.

   "Submitted under NOA # 09-1015.08"

5. Test report on Wind Driven Rain Resistance per FBC TAS 100(A)-95 (modified by Checklist # 0240) along with marked-up drawings and installation diagram of Model ECD-545-MD Fixed Aluminum Louver with a CD-55 Damper, prepared by Architectural Testing, Inc, Test Report No. **92027.01-109-18**, dated 09/09/2009, with Revision 1 dated 01/11/2010, signed and sealed by Michael D. Stremmel, P.E.

03/26/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0714.02
Expiration Date: October 9, 2018
Approval Date: April 2, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Cont.)

"Submitted under NOA # 08-0528.04"

6. 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 Model ECD-545-MD Aluminum Louver, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0399-0116-07**, dated 02/27/2008, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. ECD-545-MD Louver calculations prepared by Rice Engineering, dated 01/21/2015, signed and sealed by L. David Rice, P.E.

"Submitted under NOA # 11-0429.02"

2. ECD-545-MD Louver calculations prepared by Rice Engineering, dated 04/21/2011, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Test report on Impact Resistance per AMCA 540-08 of a Model ECD-545-MD Aluminum Louver, prepared by Architectural Testing, Inc, Test Report No. **C6094.01-801-18**, dated 10/21/2013, signed and sealed by Vinu J. Abraham, P.E.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC issued by Rice Engineering, dated 11/13/2013, signed and sealed by L. David Rice, P.E.
2. No financial interest letter issued by Rice Engineering, dated 03/30/2011, signed and sealed by L. David Rice, P.E.

03/26/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0714.02
Expiration Date: October 9, 2018
Approval Date: April 2, 2015

NOTES:

1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF 150 PSF AS TESTED IN ACCORDANCE WITH PROTOCOLS TAS 201, TAS 202, TAS 203, AMCA 540, & AMCA 550 FOR USE WITHIN HIGH VELOCITY HURRICANE-AFFECTED ZONES DEFINED BY THE FLORIDA BUILDING CODE. THE INSTALLATION OF AN OPTIONAL CD-55 DAMPER YIELDS WATER INGRESS PROTECTION AS TESTED IN ACCORDANCE WITH TAS 100(A).
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. TO PREVENT GALVANIC CORROSION, ELECTROCHEMICALLY DISSIMILAR MATERIALS IN CONTACT WITH ONE ANOTHER SHALL BE PROTECTED BY PAINT, GASKETING, OR OTHER MEANS PER THE FLORIDA BUILDING CODE.
7. WATER PENETRATION:
   a. THE ROOM BEHIND THE LOUVER IS TO BE DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER-RESISTANT/WATERPROOF EQUIPMENT, COMPONENTS, OR SUPPLIES WHEN THE LOUVERS ARE UTILIZED WITHOUT THE CD-55 DAMPER OPTION.
   b. CRITICAL EQUIPMENT DOES NOT NEED TO BE PROTECTED FROM MOISTURE INGRESS WHEN LOUVERS ARE UTILIZED WITH THE CD-55 DAMPER OPTION AND THE DAMPERS ARE CLOSED.
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.

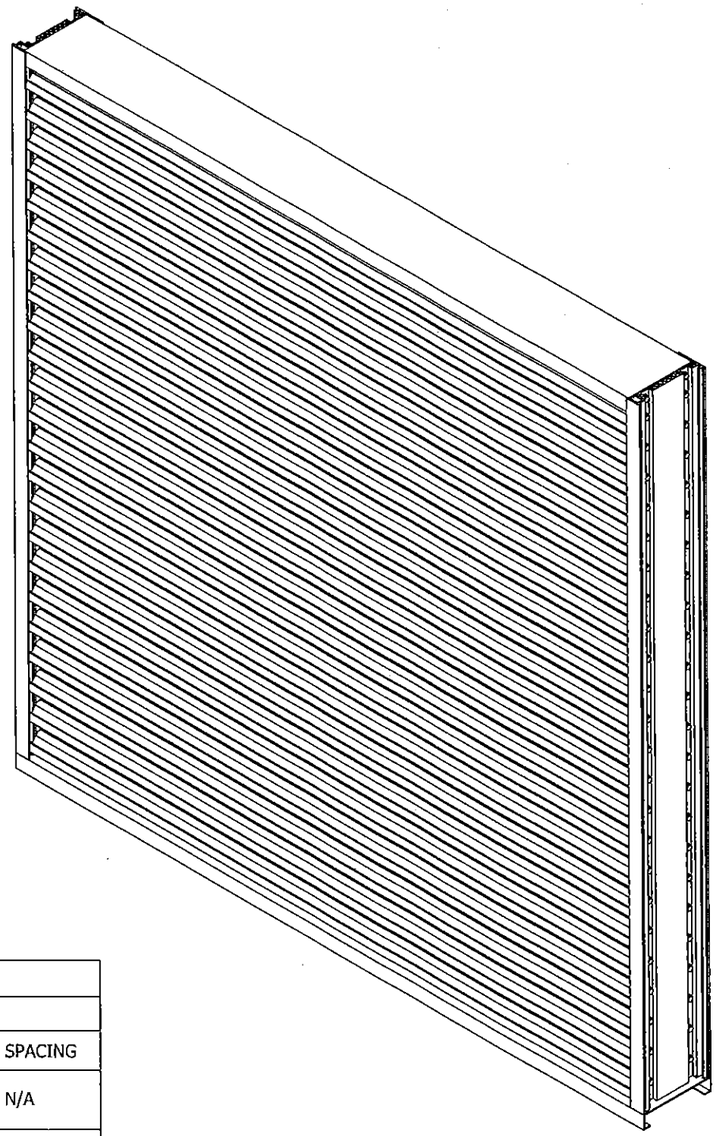
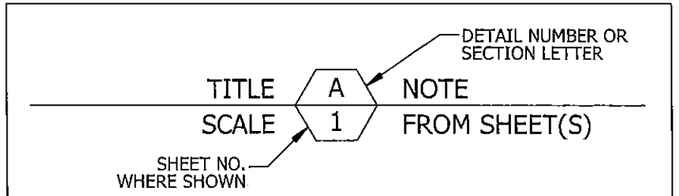


TABLE 1		
SINGLE SECTION SIZE LIMITATIONS		
MAX DESIGN PRESSURE	MIN (W X H)	MAX (W X H)
150 PSF	12 X 5	60 X 144

TABLE 2	
MULTIPLE SECTION SIZE LIMITATIONS (MAX DESIGN PRESSURE: 150 PSF)	
SINGLE SECTION HIGH - UNLIMITED WIDTH	SEE SHEETS 12 & 13
SINGLE SECTION WIDE - UNLIMITED HEIGHT	SEE SHEET 14



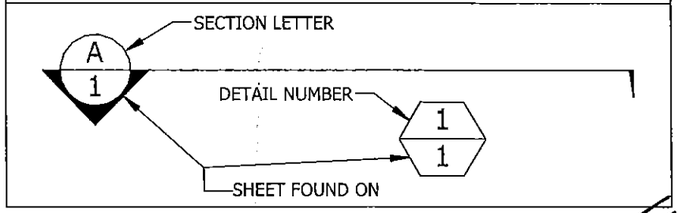


TABLE 3				
ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
STEEL (12 GA MIN. THICKNESS Fy = 30 KSI MIN.)	#12-14 X 1" SELF-DRILLING TEK MACHINE SCREW (F-7)	FULL	3/8"	N/A
WOOD (S.G. = 0.43 MIN.)	1/2" X 3-1/2" LAG BOLT WITH FLAT WASHER (F-9)	3"	2-1/2"	3"
CONCRETE (f'c = 2000 PSI MIN.)	1/2" X 5-1/2" HILTI KWIK-BOLT TZ EXPANSION ANCHOR (F-10)	3-1/4"	2-7/8" (SHEAR) 2-1/8" (TENSION)	6-1/2" (SHEAR) 9-1/2" (TENSION)
GROUT-FILLED CMU (f'm = 1500 PSI MIN.)	5/8" X 5-1/2" HILTI KWIK-BOLT III EXPANSION ANCHOR (F-8)	4"	4"	9-1/2"

P.E. STAMP

L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

RICE 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

01/21/2015

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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

THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: COVER SHEET
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 1 of 19
SCALE: NONE
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER ECD-545-MD NOA

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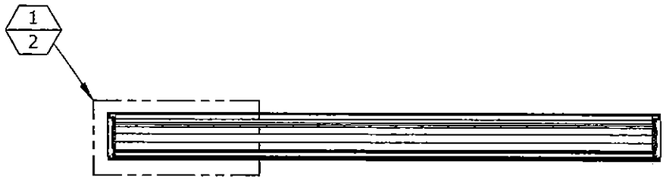
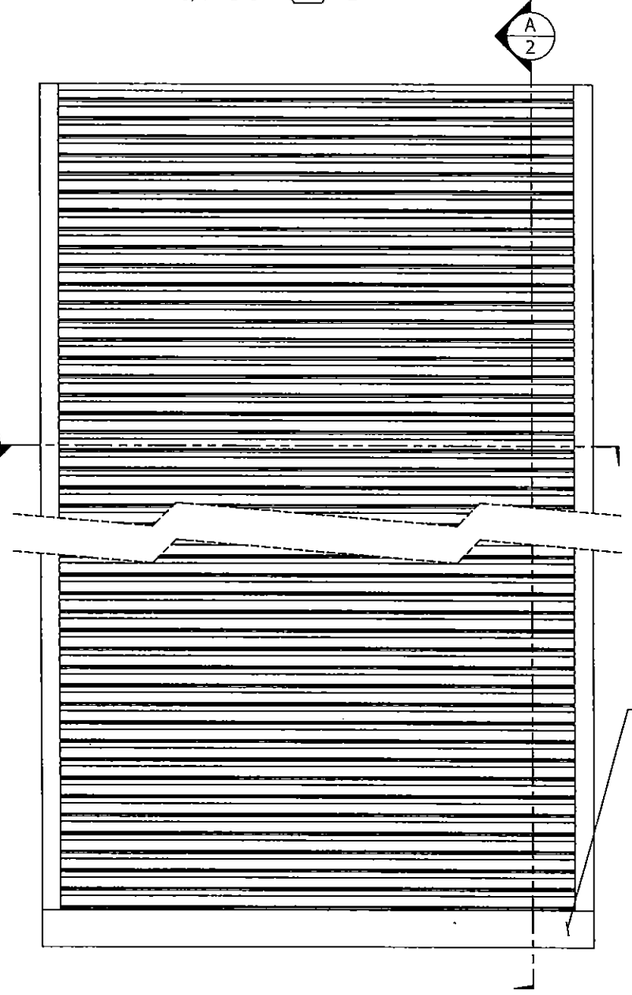
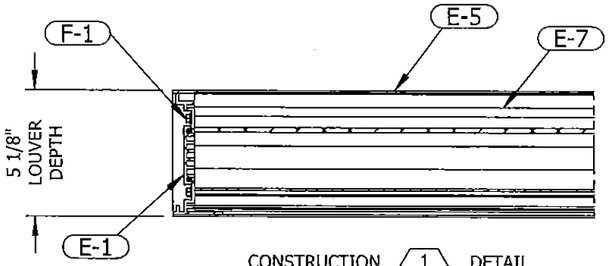
GENERAL LOUVER ASSEMBLY



SECTION VIEW 1/2 GENERAL ASSEMBLY 2
3/4"=1'-0"

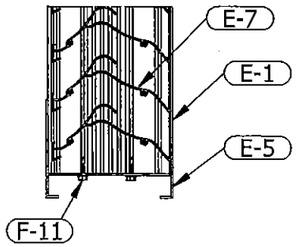


EXTERIOR ELEVATION



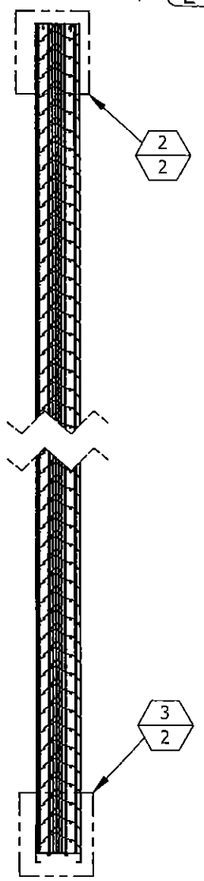
CONSTRUCTION 1/2 DETAIL 2
2-1/4"=1'-0"

IN FLANGED CONFIGURATIONS:
E-2 WILL BE USED IN PLACE OF E-1
E-6 WILL BE USED IN PLACE OF E-5

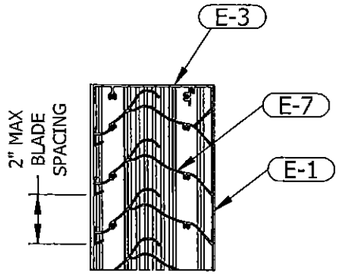


CONSTRUCTION 3/2 DETAIL 2
2-1/4"=1'-0"

IN FLANGED CONFIGURATIONS:
E-2 WILL BE USED IN PLACE OF E-1
E-6 WILL BE USED IN PLACE OF E-5



SECTION VIEW 2/2 GENERAL ASSEMBLY 2
3/4"=1'-0"



CONSTRUCTION 2/2 DETAIL 2
2-1/4"=1'-0"

IN FLANGED CONFIGURATIONS:
E-2 WILL BE USED IN PLACE OF E-1
E-4 WILL BE USED IN PLACE OF E-3

ENGRAVED LABEL DETAIL

PCI Industries Inc d/b/a ALL-LITE
Ft Worth TX
SO# 123456
Miami Dade County Product Control Approved

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By _____
Miami Dade Product Control

P.E. STAMP

L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

01/21/2015

RICE 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

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: GENERAL LOUVER ASSEMBLY
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER: ECD-545-MD NOA
SHEET: 2 of 19
SCALE: 3/4"=1'-0"

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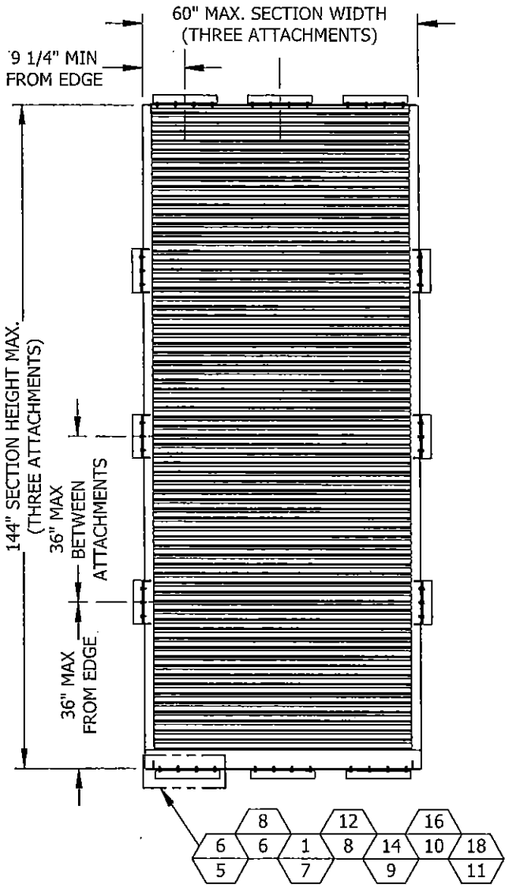
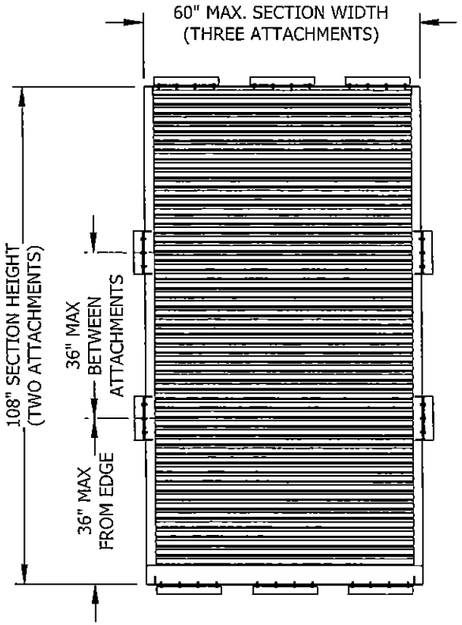
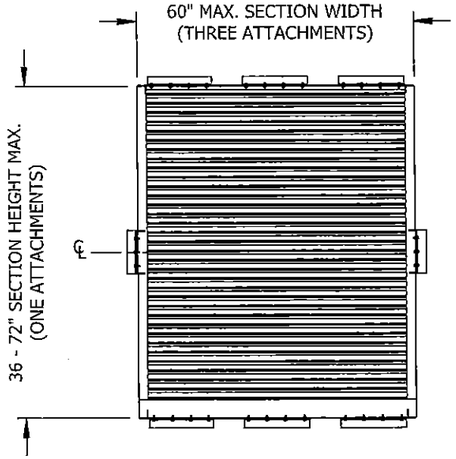
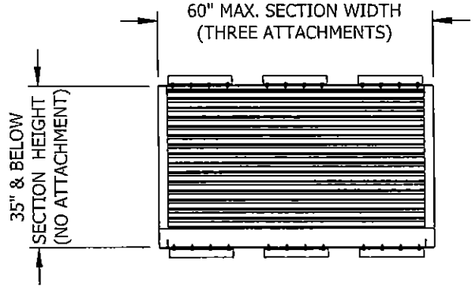
INSTALLATION CONFIGURATION

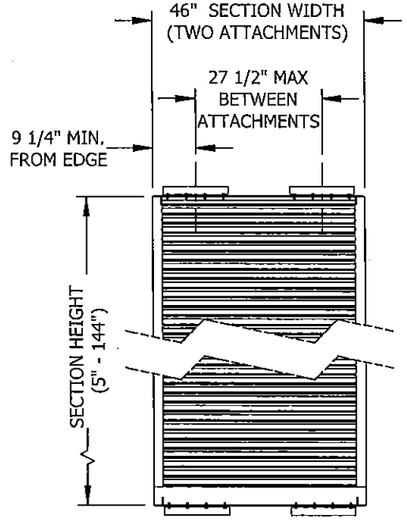


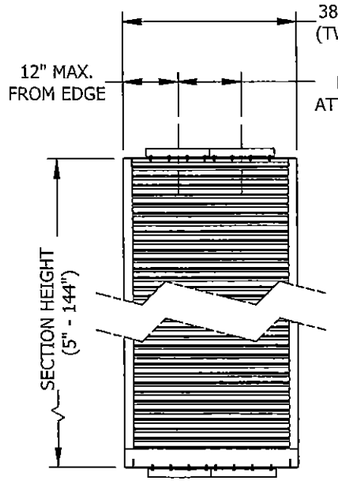


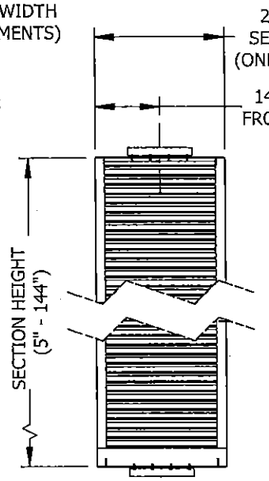




INSTALLATION CONFIGURATION FOR LOUVER SECTIONS BETWEEN 5" AND 144" HIGH
SPACING ON 60" WIDE SECTION IS 20 3/4" MAX
TYPICAL FOR ALL BUILDING CONDITIONS







INSTALLATION CONFIGURATION FOR LOUVER SECTIONS BETWEEN 38" AND 46" WIDE
(USE A-10 ANGLES FOR SECTIONS BETWEEN 29" AND 32")
TWO ATTACHMENTS LOCATIONS TOTAL: 9 1/4" - 12" FROM EACH EDGE,
27 1/2" MAX. APART. TYPICAL FOR ALL BUILDING CONDITIONS

INSTALLATION CONFIGURATION FOR LOUVER
SECTIONS 28" WIDE & BELOW
ONE ATTACHMENT LOCATION: 9-1/4" - 14" MAX.
FROM EACH EDGE
TYPICAL FOR ALL BUILDING CONDITIONS

P.E. STAMP

DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

RICE ENGINEERING
105 School Creek Trail
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L. David Rice
Registration No: 50923

01/21/2015

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Expiration Date 10/09/2018
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X.XX ±0.015
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Phone: 817-509-2300
Fax: 817-831-3110

THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: INSTALLATION CONFIGURATION
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER
SHEET: 3 of 19
SCALE: 3/4"=1'-0"
ECD-545-MD NOA

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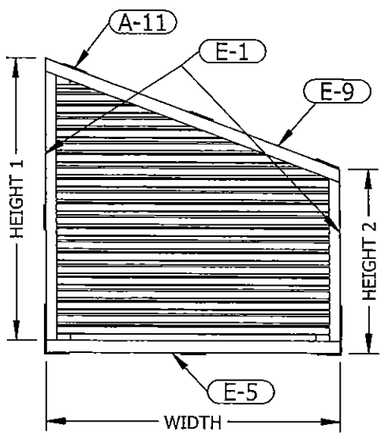
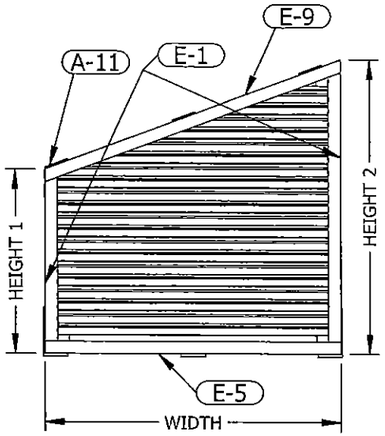
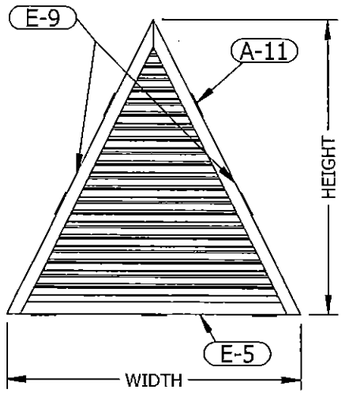
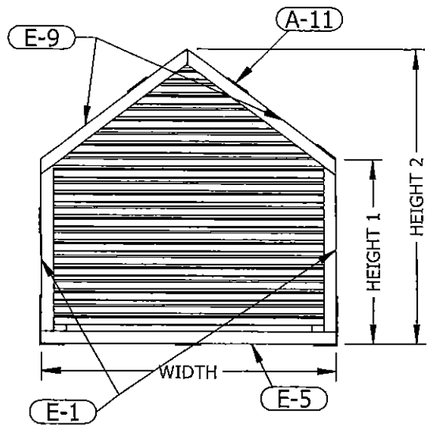
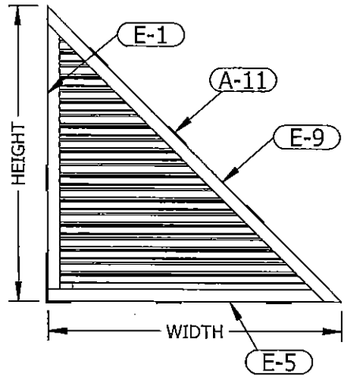
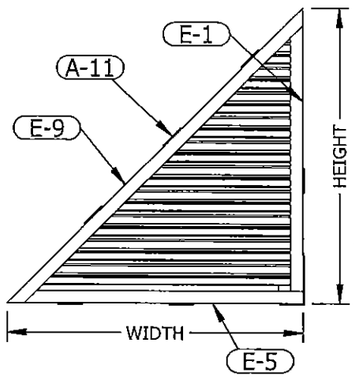


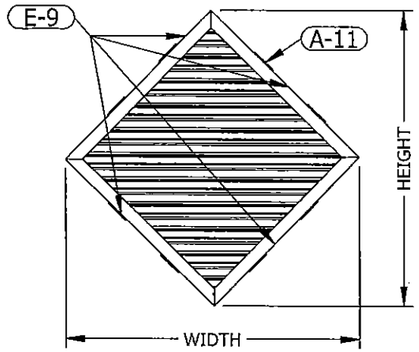


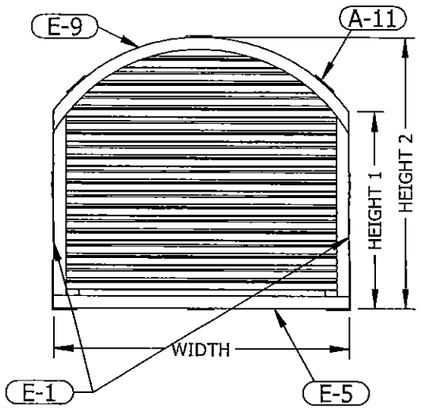


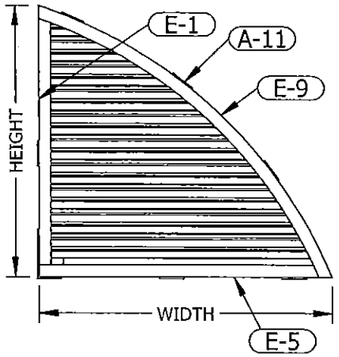


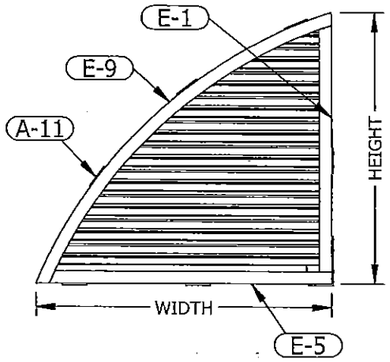


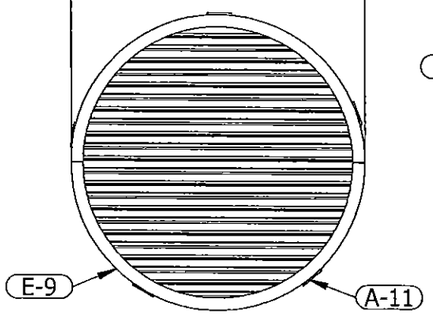


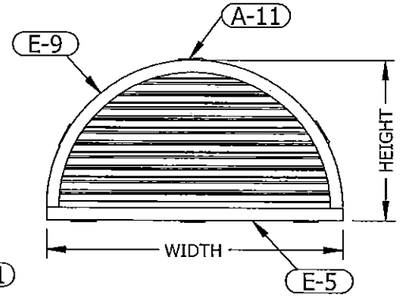




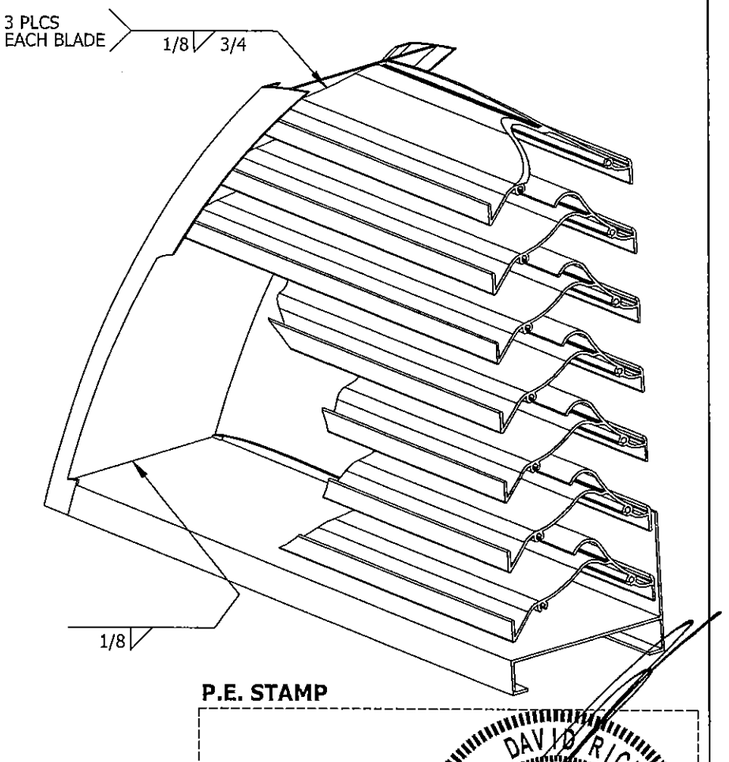








INSTALLATION CONFIGURATION



NOTES:
1. SHAPED LOUVER DIMENSIONS WILL NOT EXCEED MAX SINGLE SECTION SIZES
2. CLIP SPACING TO NOT EXCEED 20" APART

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

P.E. STAMP

L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

RICE 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

01/21/2015

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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

THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS

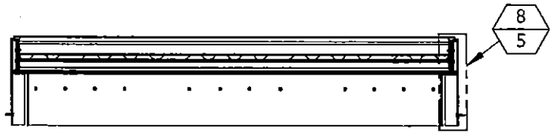
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: SHAPED LOUVER DETAILS

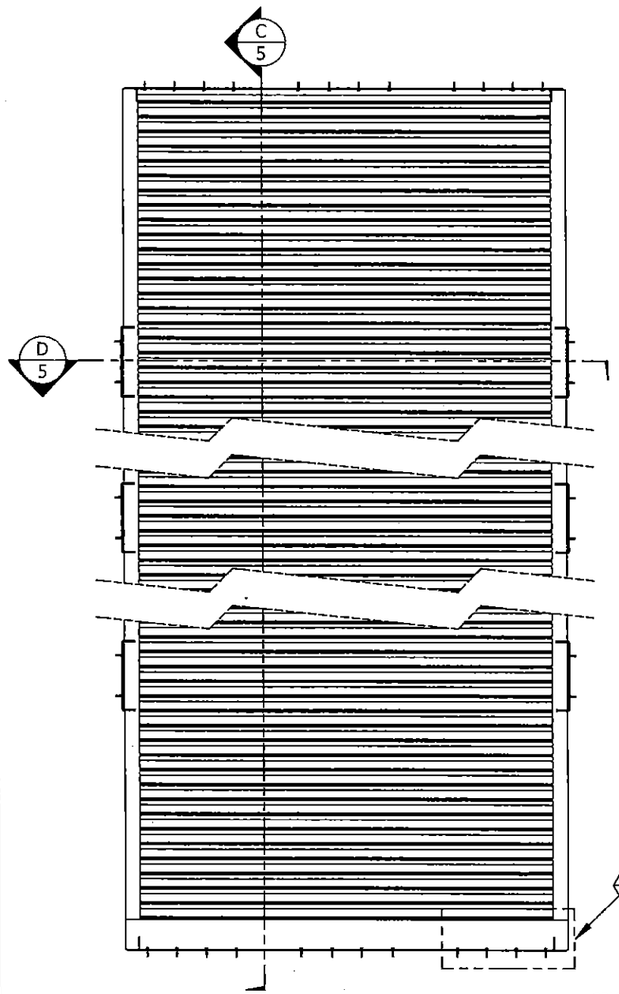
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER
SHEET: 4 of 19	SCALE: 3/4"=1'-0"		ECD-545-MD NOA

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

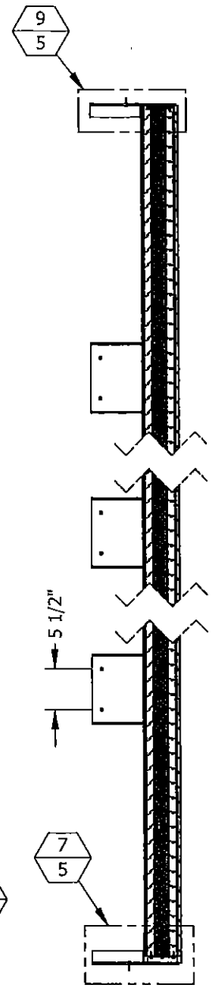
SINGLE SECTION WIDE X SINGLE SECTION HIGH - STEEL CONDITION



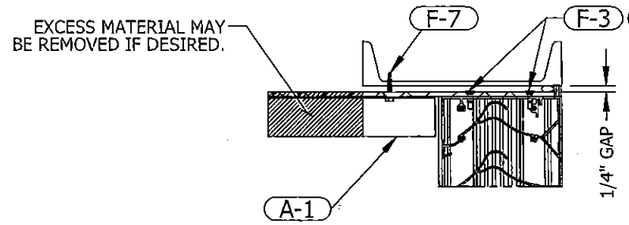
SECTION VIEW D 5 STEEL CONDITION
3/4" = 1'-0" 5



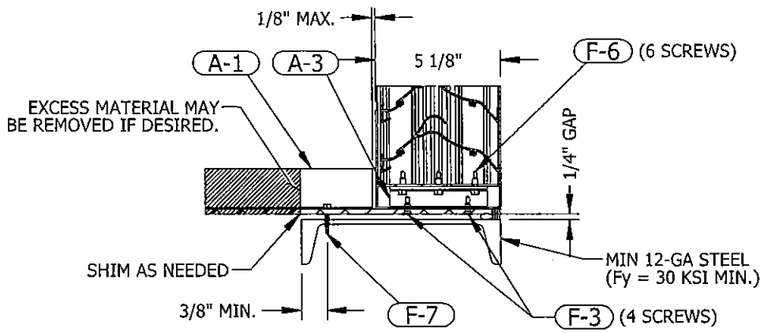
INTERIOR ELEVATION



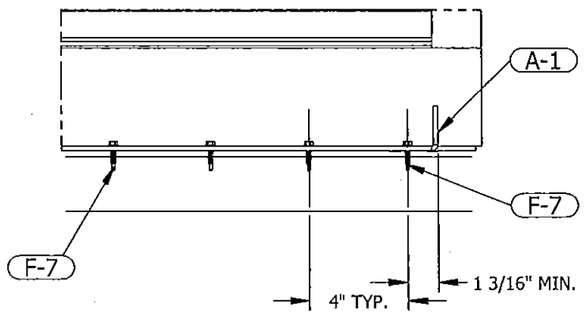
SINGLE SECTION HIGH C 5 STEEL CONDITION
3/4" = 1'-0" 5



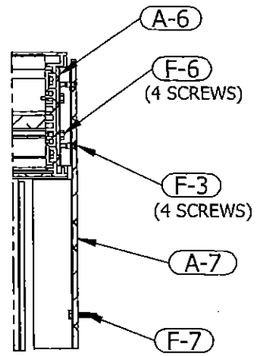
TOP MOUNT DETAIL 9 5 STEEL CONDITION
6"=1'-0" 5



BTM MOUNT DETAIL 7 5 STEEL CONDITION
6"=1'-0" 5



TOP & BTM MOUNT DETAIL 6 5 STEEL CONDITION
6"=1'-0" 3, 5, 12



SIDE MOUNT DETAIL 8 5 STEEL CONDITION
6"=1'-0" 5

PRODUCT REVISED
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Acceptance No 14-0714.02
Expiration Date 10/07/2018
By
Miami Dade Product Control

P.E. STAMP

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

01/21/2015

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS

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

THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: SINGLE SECTION WIDE X SINGLE SECTION HIGH - STEEL CONDITION
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 5 of 19
SCALE: 3/4"=1'-0"

ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
		ECD-545-MD NOA

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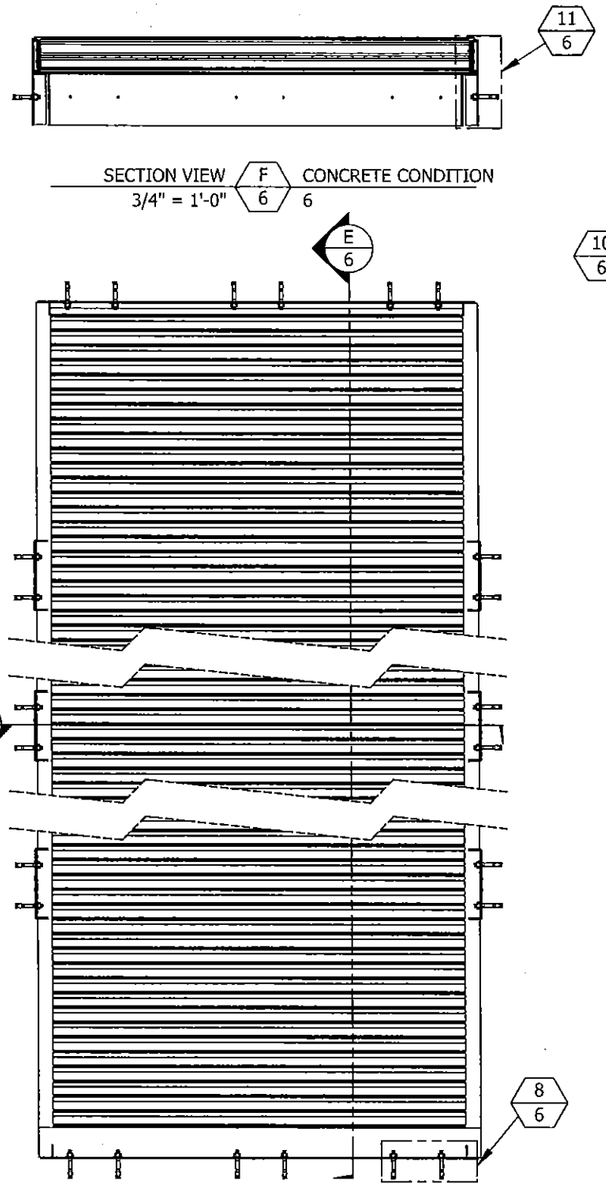
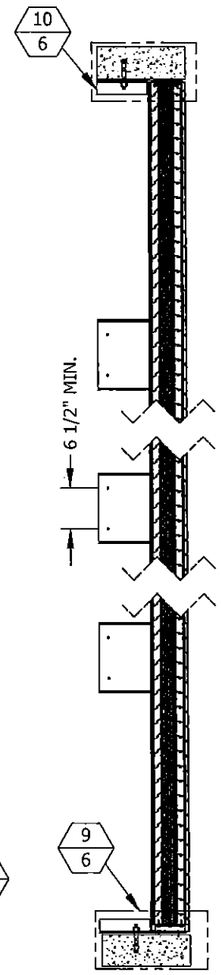
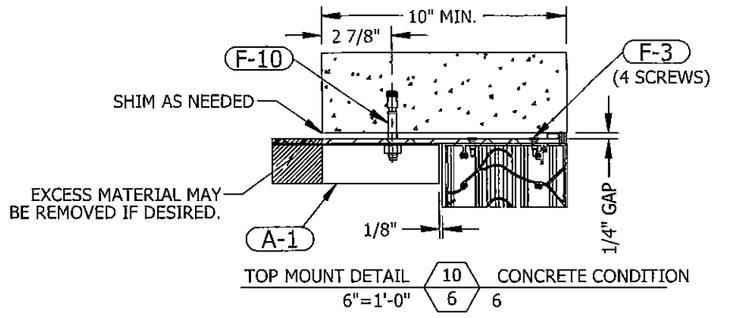
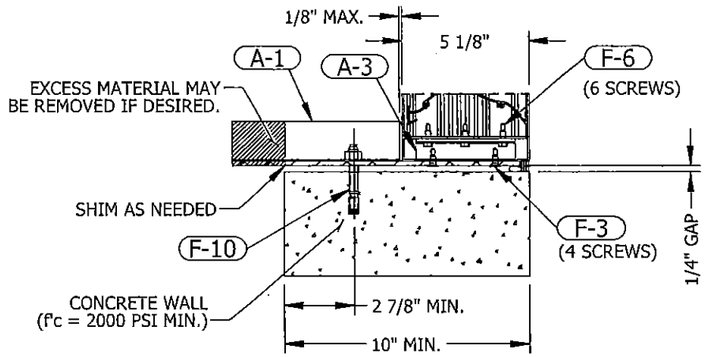
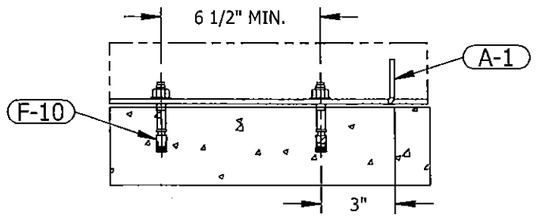


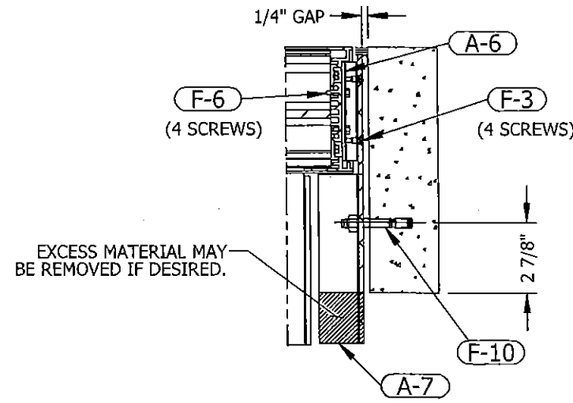








SINGLE SECTION WIDE X SINGLE SECTION HIGH - CONCRETE CONDITION



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/07/2016
By _____
Miami Dade Product Control

P.E. STAMP

L. DAVID RICE
LICENSE
No. 50923
STATE OF FLORIDA
PROFESSIONAL ENGINEER

RICE ENGINEERING
105 School Creek Trail
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Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

01/21/2015

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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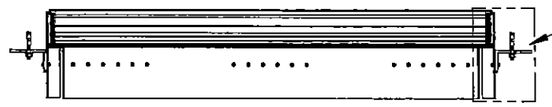
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: SINGLE SEC. WIDE X SINGLE SEC. HIGH - CONCRETE CONDITION			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER
SHEET: 6 of 19	SCALE: 3/4"=1'-0"		ECD-545-MD NOA

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\



SECTION VIEW X/7 3/4" = 1'-0" CONCRETE CONDITION 7

4/7

PRODUCT REVISED
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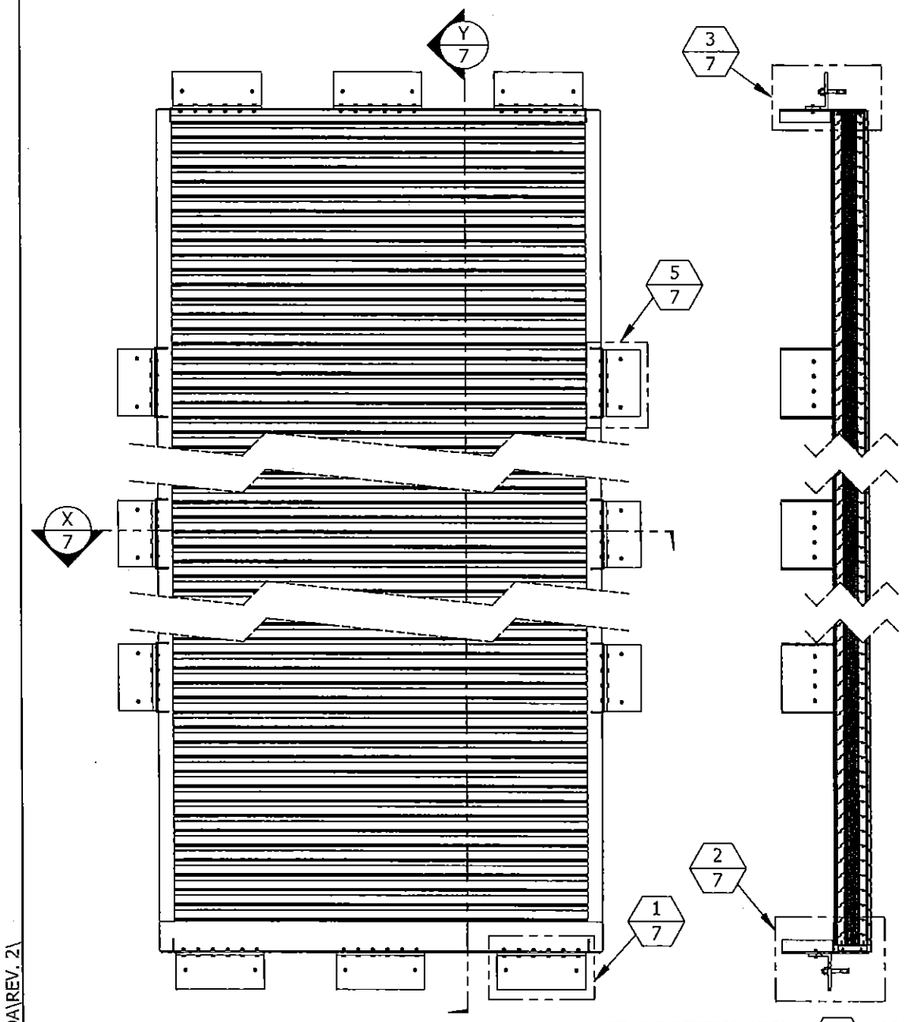
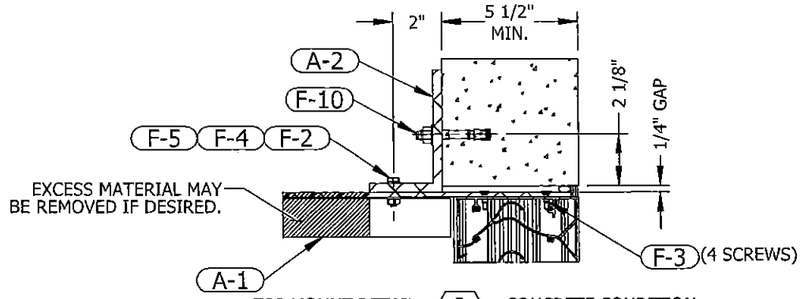
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

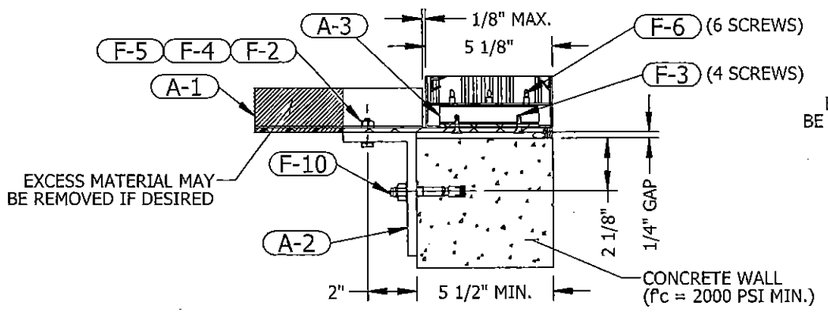


INTERIOR ELEVATION



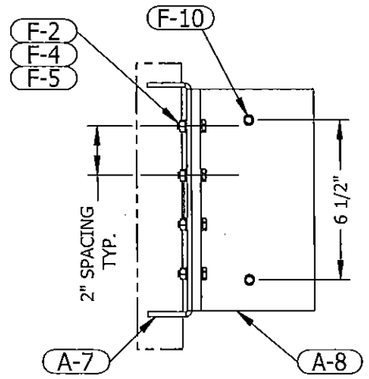
TOP MOUNT DETAIL 3/7 6"=1'-0" CONCRETE CONDITION 7

TENSION CONNECTION
(WALL THICKNESS 5-1/2" MIN, 10" MAX)

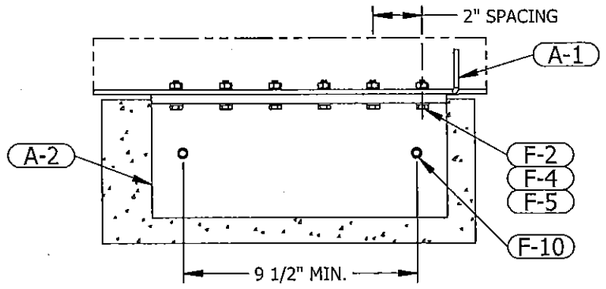


BTM MOUNT DETAIL 2/7 6"=1'-0" CONCRETE CONDITION 7

TENSION CONNECTION
(WALL THICKNESS 5-1/2" MIN, 10" MAX)



SIDE MOUNT DETAIL 5/7 6"=1'-0" CONCRETE CONDITION 7

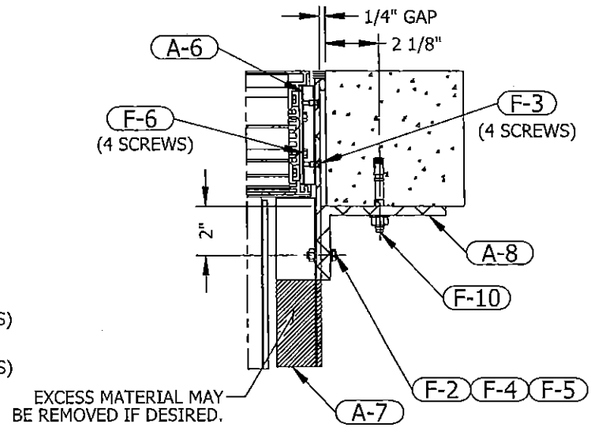


TOP & BTM MOUNT DETAIL 1/7 6"=1'-0" CONCRETE CONDITION 3, 7, 12

TENSION CONNECTION
(WALL THICKNESS 5-1/2" MIN, 10" MAX)

SINGLE SECTION HIGH Y/7 3/4" = 1'-0" CONCRETE CONDITION 7

SINGLE SECTION WIDE X SINGLE SECTION HIGH - CONCRETE CONDITION



SIDE MOUNT DETAIL 4/7 6"=1'-0" CONCRETE CONDITION 7

TENSION CONNECTION
(WALL THICKNESS 5-1/2" MIN, 10" MAX)

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

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01/21/2015

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
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Registration No: 50923

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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THIRD ANGLE PROJECTION

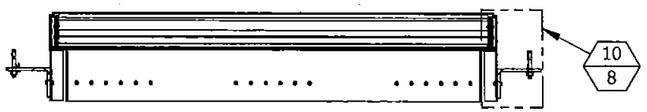
PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: SINGLE SEC. WIDE X SINGLE SEC. HIGH - CONCRETE CONDITION			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER
SHEET: 7 of 19	SCALE: 3/4"=1'-0"		ECD-545-MD NOA

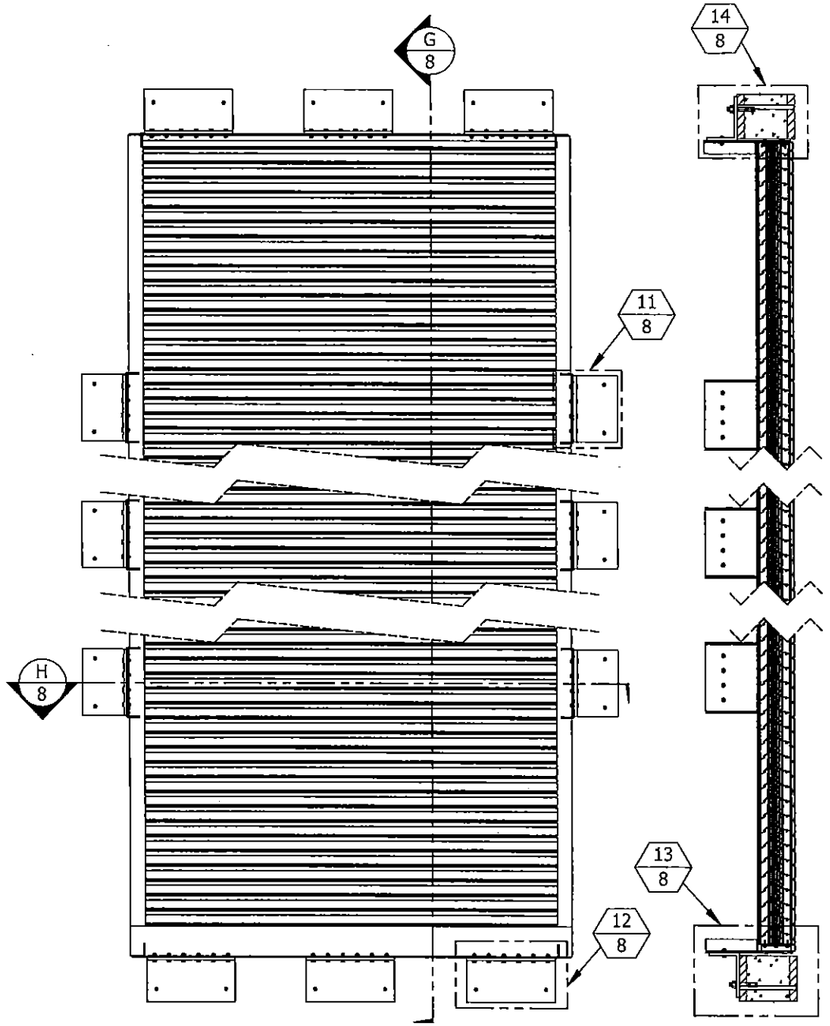
I:\Jonathan Cott\ECD-545-MD NOA\REV. 2\

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2019
By
Miami Dade Product Control

SINGLE SECTION WIDE X SINGLE SECTION HIGH - GROUT-FILLED CMU CONDITION

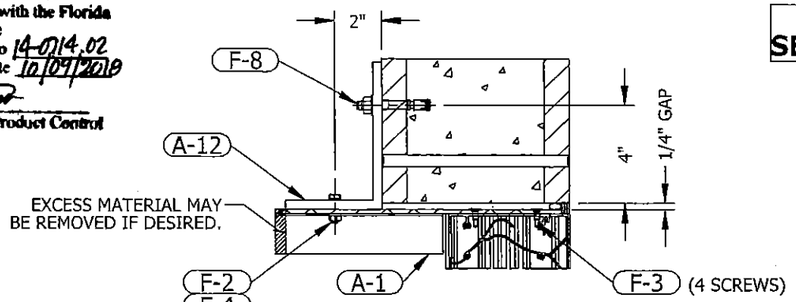


SECTION VIEW H 8 CONCRETE CONDITION
3/4" = 1'-0" 8 8

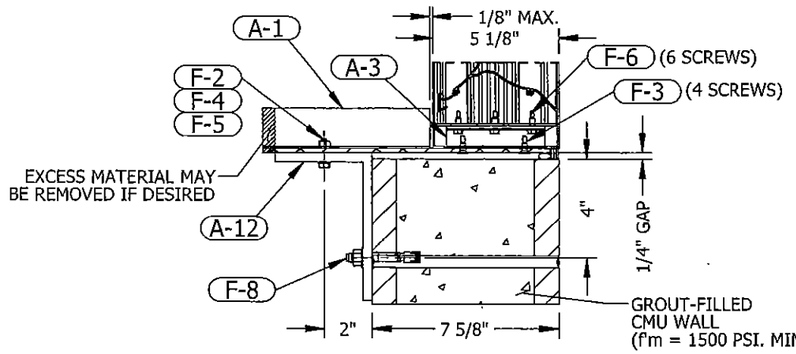


INTERIOR ELEVATION

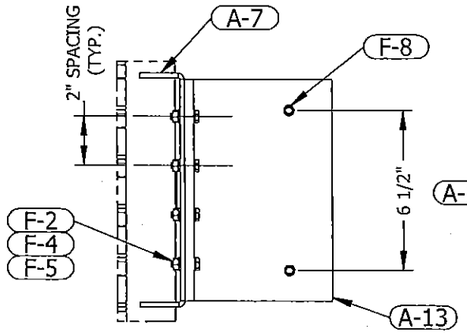
SINGLE SECTION HIGH G 8 CMU CONDITION
3/4" = 1'-0" 8 8



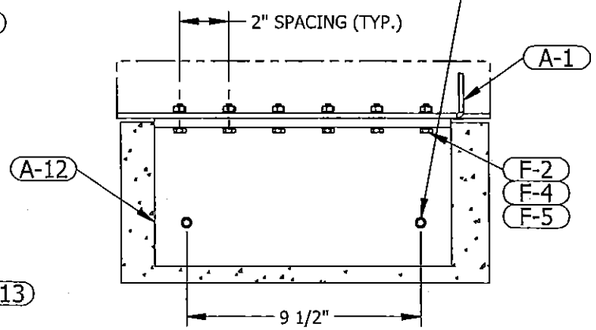
TOP MOUNT DETAIL 14 8 CMU CONDITION
6"=1'-0" 8



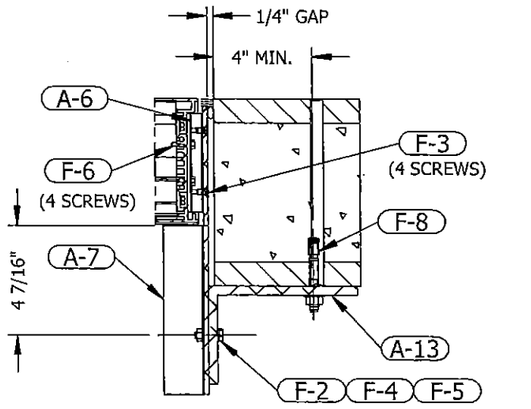
BTM MOUNT DETAIL 13 8 CMU CONDITION
6"=1'-0" 8



SIDE MOUNT DETAIL 11 8 CMU CONDITION
6"=1'-0" 8



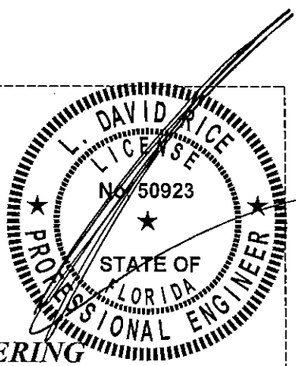
TOP & BTM MOUNT DETAIL 12 8 CMU CONDITION
6"=1'-0" 8 3, 8, 12



SIDE MOUNT DETAIL 10 8 CMU CONDITION
6"=1'-0" 8

NOTE:
NO ANCHOR MAY BE LOCATED CLOSER THAN 1-3/8" TO A VERTICAL JOINT BETWEEN CMU BLOCKS AND NO CELL IN EACH BLOCK MAY BE PENETRATED BY MORE THAN ONE ANCHOR.

P.E. STAMP



RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
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Fax: 920.845.1048
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

01/21/2015

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

5101 Blue Mound Road
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Phone: 817-509-2300
Fax: 817-831-3110

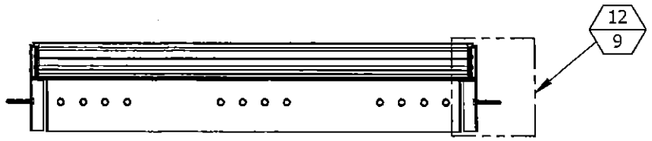
THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

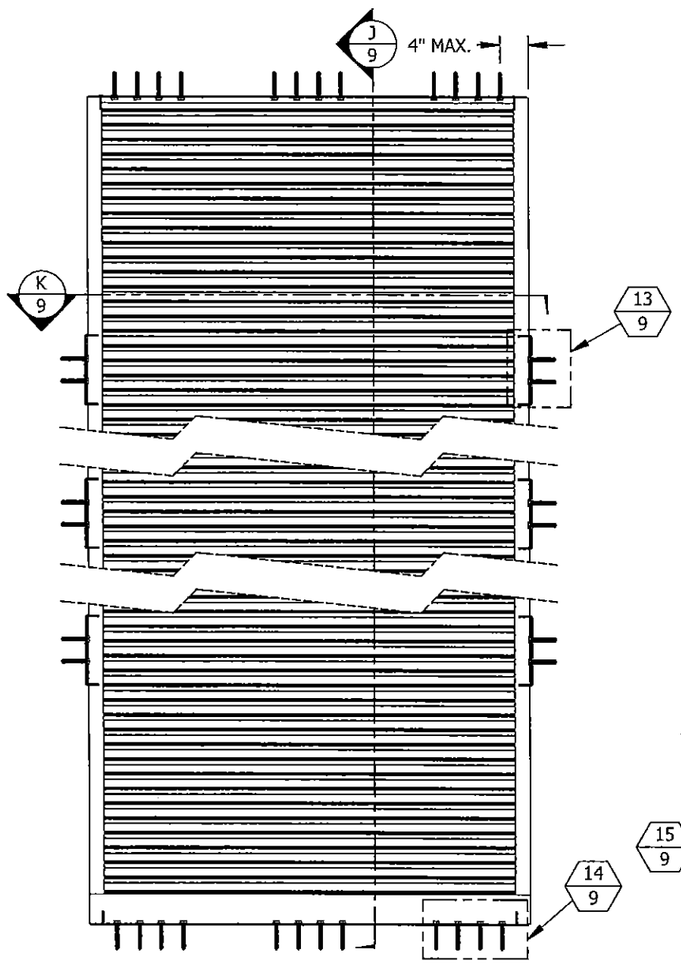
DRAWING DESCR: SINGLE SECTION WIDE X SINGLE SECTION HIGH - CMU CONDITION			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER: ECD-545-MD NOA
SHEET: 8 of 19	SCALE: 3/4"=1'-0"		

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

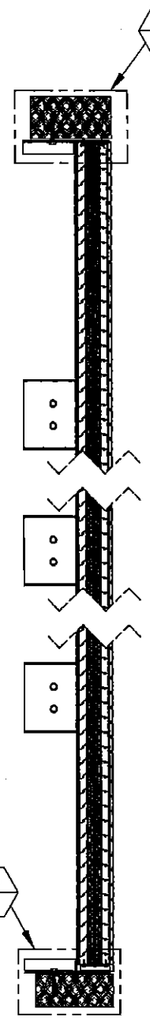
SINGLE SECTION WIDE X SINGLE SECTION HIGH - WOOD CONDITION



SECTION VIEW K 9 WOOD CONDITION 9
3/4" = 1'-0"

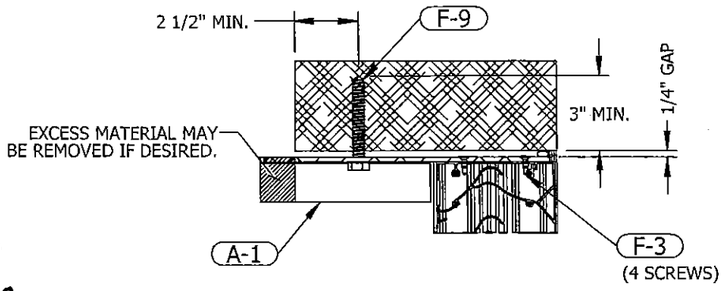


INTERIOR ELEVATION

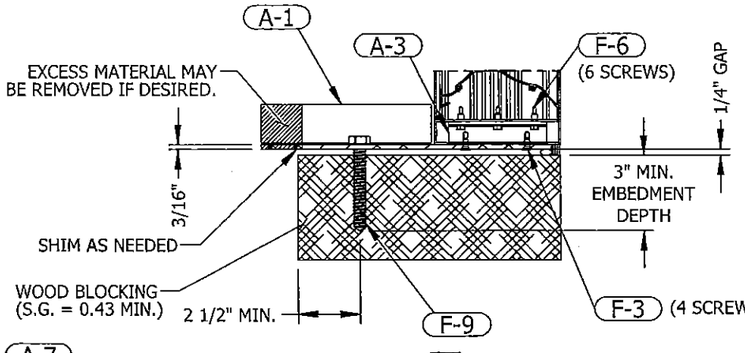


SINGLE SECTION HIGH J 9 WOOD CONDITION 9
3/4"=1'-0"

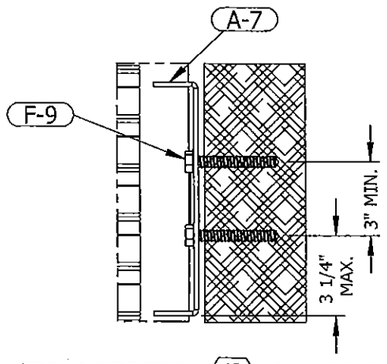
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0114.02
Expiration Date 10/09/2018
By
Miami Dade Product Control



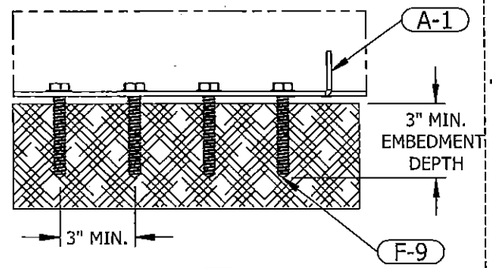
TOP MOUNT DETAIL 16 9 WOOD CONDITION 9
6"=1'-0"



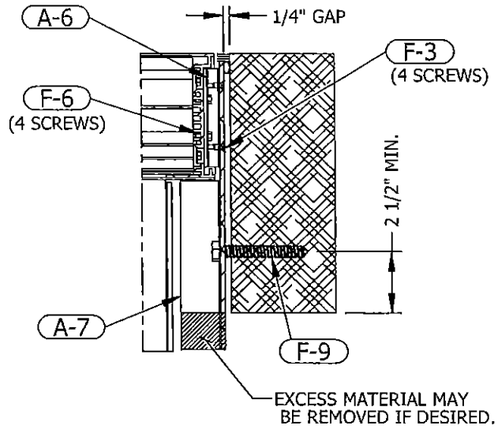
BTM MOUNT DETAIL 15 9 WOOD CONDITION 9
6"=1'-0"



SIDE MOUNT DETAIL 13 9 CMU CONDITION 9
6"=1'-0"



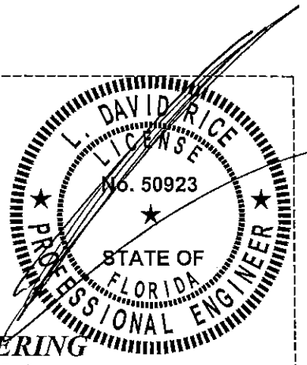
TOP & BTM MOUNT DETAIL 14 9 WOOD CONDITION 3, 9, 12
6"=1'-0"



SIDE MOUNT DETAIL 12 9 WOOD CONDITION 9
6"=1'-0"

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

P.E. STAMP



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Certificate of Authorization: #9090
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REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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THIRD ANGLE PROJECTION

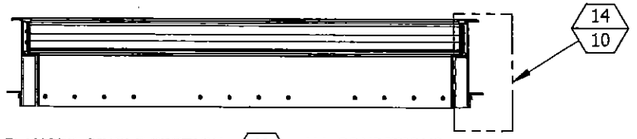
PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

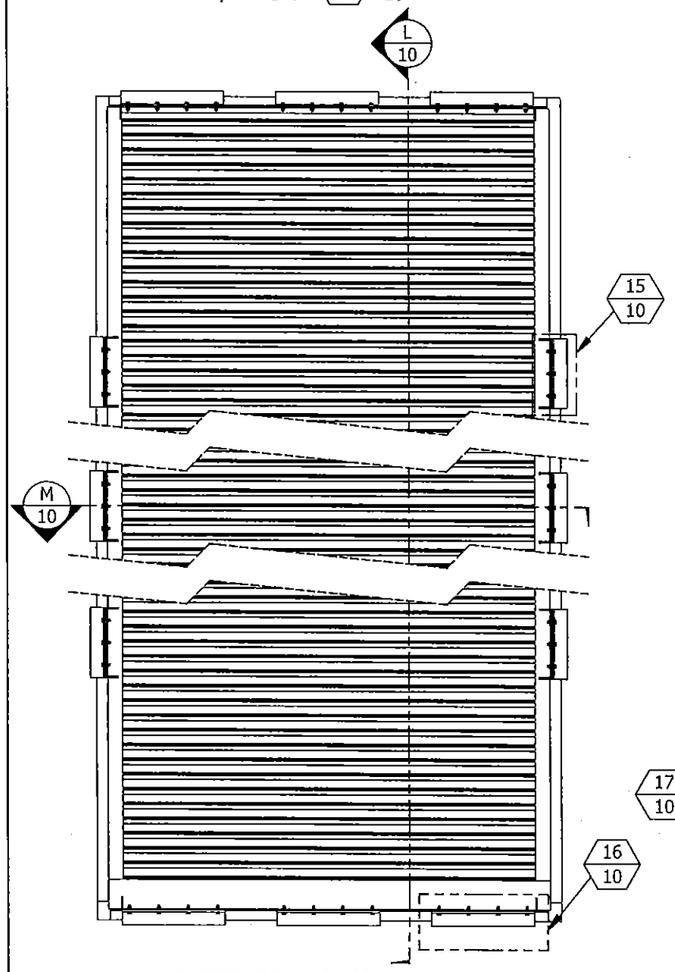
DRAWING DESCR: SINGLE SECTION WIDE X SINGLE SECTION HIGH - WOOD CONDITION
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 9 of 19
SCALE: 3/4"=1'-0"
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER
ECD-545-MD NOA

I:\Jonathan Cot\ECD-545-MD NOA\REV. 2\

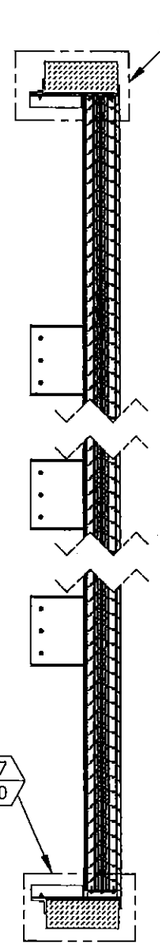
SINGLE SECTION WIDE X SINGLE SECTION HIGH - FLANGED ASSEMBLY ALL CONDITIONS



FLANGED SINGLE SECTION (M / 10) ALL CONDITIONS
3/4" = 1'-0" 10



INTERIOR ELEVATION



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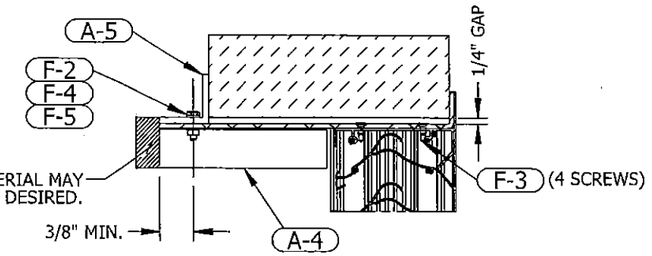
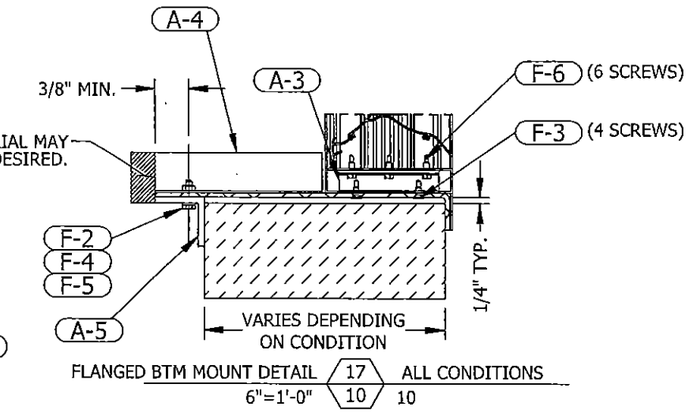
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

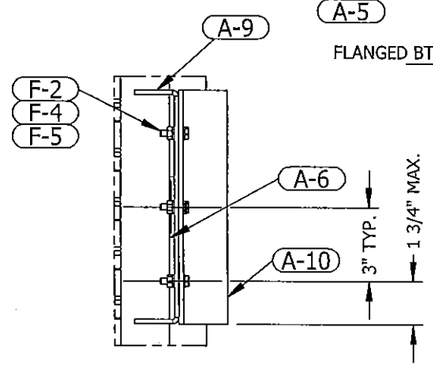
FLANGED SINGLE SECTION HIGH (L / 10) ALL CONDITIONS
3/4" = 1'-0" 10



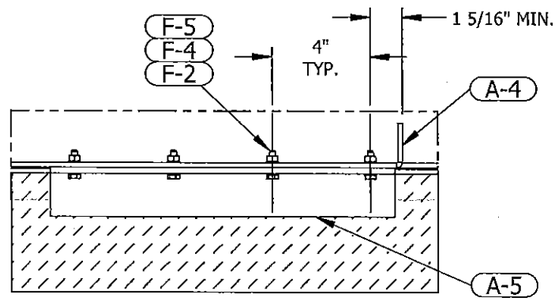
FLANGED TOP MOUNT DETAIL (18 / 10) ALL CONDITIONS
6"=1'-0" 10



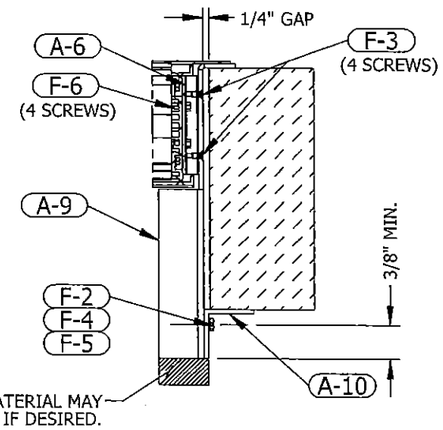
FLANGED BTM MOUNT DETAIL (17 / 10) ALL CONDITIONS
6"=1'-0" 10



SIDE MOUNT DETAIL (15 / 10) ALL CONDITIONS
6"=1'-0" 10



FLANGED BTM MOUNT DETAIL (16 / 10) ALL CONDITIONS
6"=1'-0" 10 3, 10, 13



SIDE MOUNT DETAIL (14 / 10) ALL CONDITIONS
6"=1'-0" 10

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L. David Rice
Registration No: 50923

01/21/2015

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS

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THIRD ANGLE PROJECTION

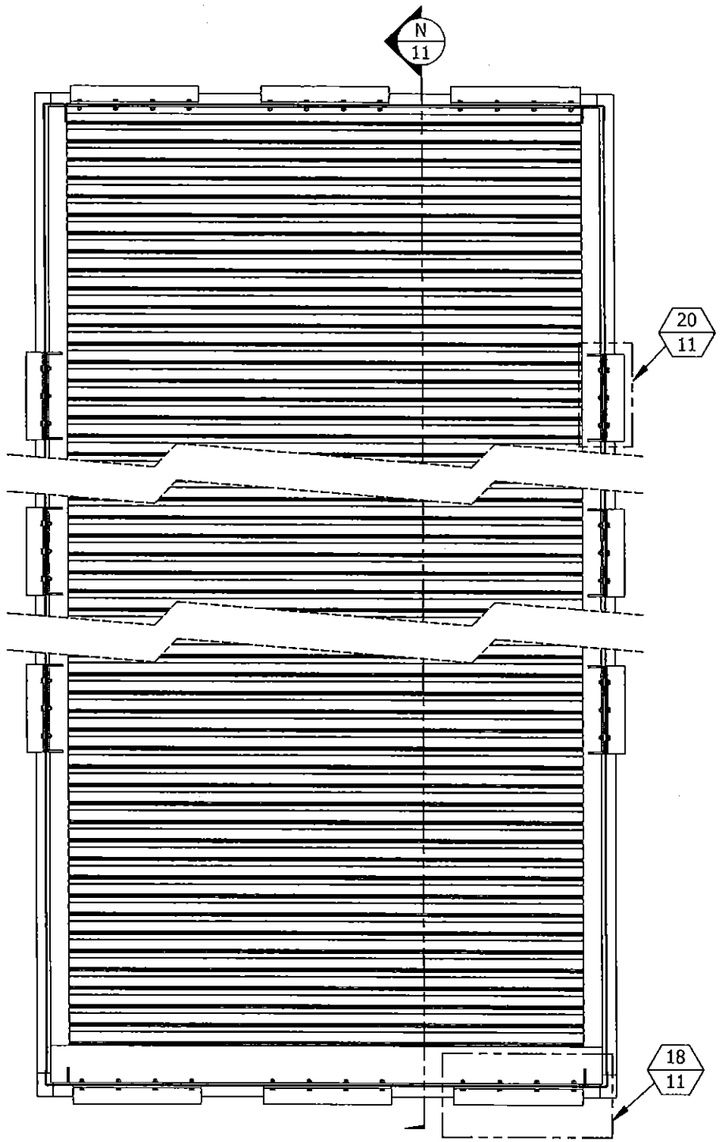
PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

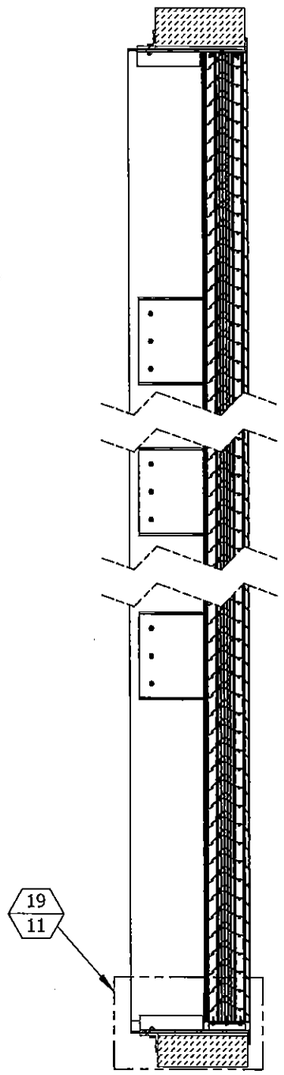
DRAWING DESCR: SINGLE SECTION WIDE X SINGLE SECTION HIGH - FLANGED ASSY - ALL			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER: ECD-545-MD NOA
SHEET: 10 of 19	SCALE: 3/4"=1'-0"		

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

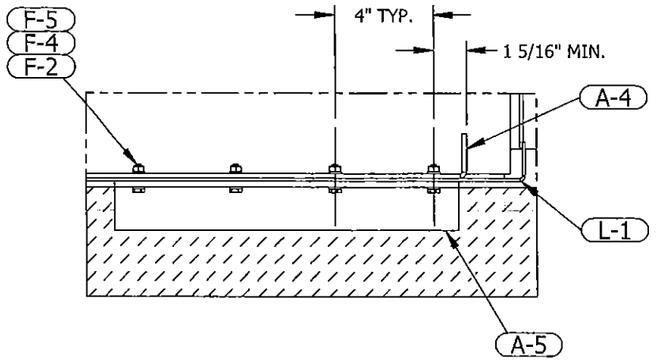
SINGLE SECTION WIDE X SINGLE SECTION HIGH - FLANGED ASSEMBLY WITH SLEEVE - ALL CONDITIONS



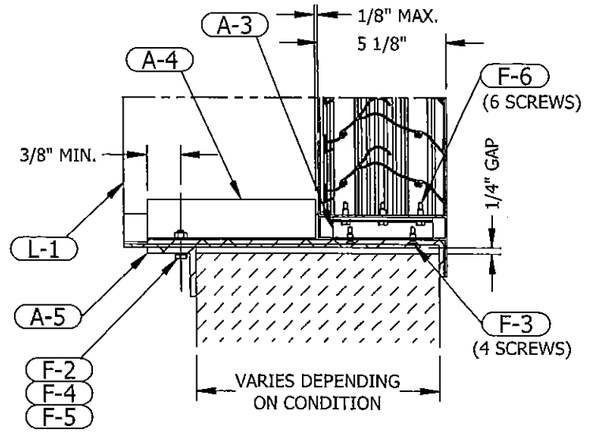
INTERIOR ELEVATION



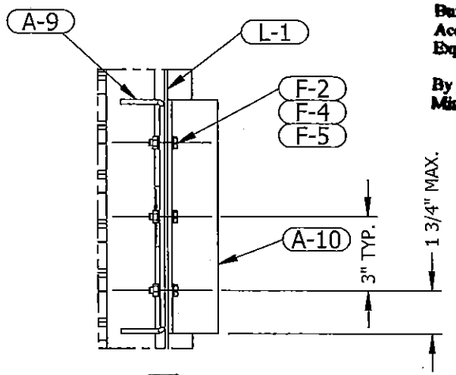
FLANGED SINGLE SECTION HIGH (N / 11) ALL CONDITIONS
3/4" = 1'-0" 11



FLANGED BTM MOUNT DETAIL (18 / 11) WITH SLEEVE - ALL CONDITIONS
6"=1'-0" 3, 11, 13



FLANGED BTM MOUNT DETAIL (19 / 11) WITH SLEEVE - ALL CONDITIONS
6"=1'-0" 11



FLANGED SIDE MOUNT DETAIL (20 / 11) WITH SLEEVE - ALL CONDITIONS
6"=1'-0" 11

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

P.E. STAMP

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01/21/2015

Florida Firm No: F-01000005061
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REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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TOLERANCE UNLESS NOTED:
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X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
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Phone: 817-509-2300
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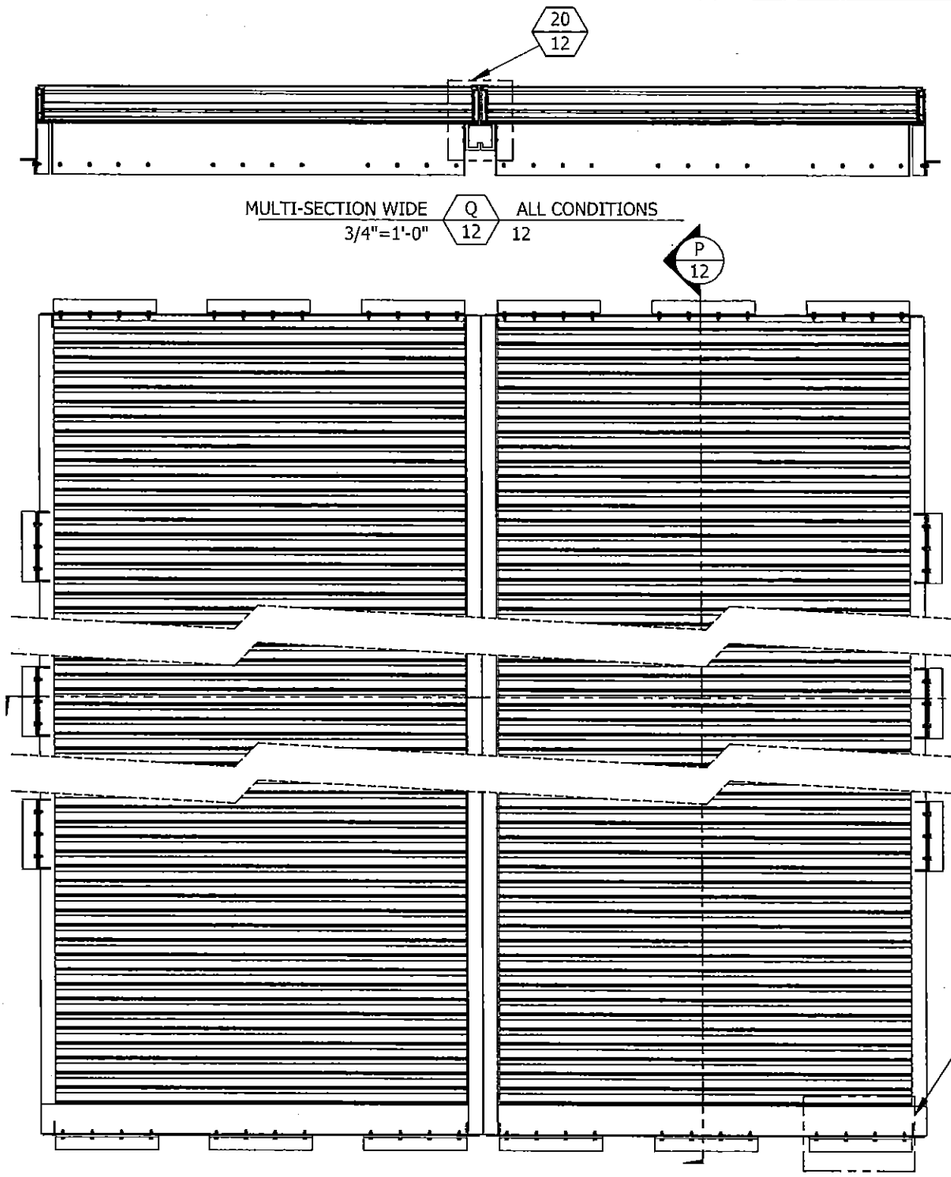
THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: SINGLE SECT WIDE X SINGLE SECT HIGH - FLANGED SLEEVED ASSY - ALL			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER
SHEET: 11 of 19	SCALE: 3/4"=1'-0"		ECD-545-MD NOA

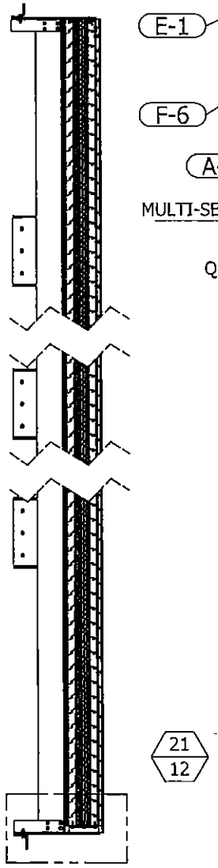
I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

MULTI-SECTION WIDE X SINGLE SECTION HIGH - ALL CONDITIONS

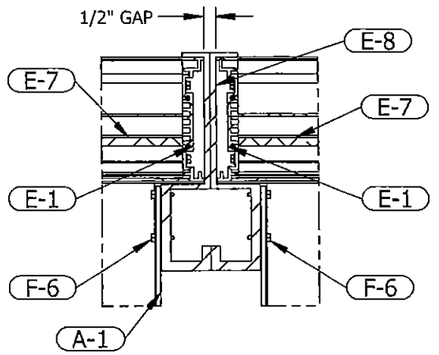


MULTI-SECTION WIDE Q 12 ALL CONDITIONS
3/4"=1'-0" 12

INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED

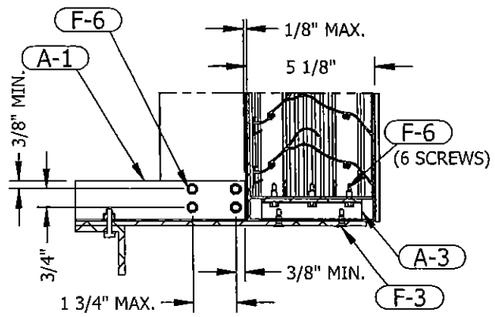


MULTI-SECTION WIDE P 12 ALL CONDITIONS
3/4"=1'-0" 12



MULTI-SECTION WIDE 20 12 MULLION INSTALLATION
6"=1'-0" 12

QUANTITY SECTIONS WIDE IS UNLIMITED



BOTTOM DETAIL 21 12 ALL CONDITIONS
6"=1'-0" 12

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THIRD ANGLE PROJECTION

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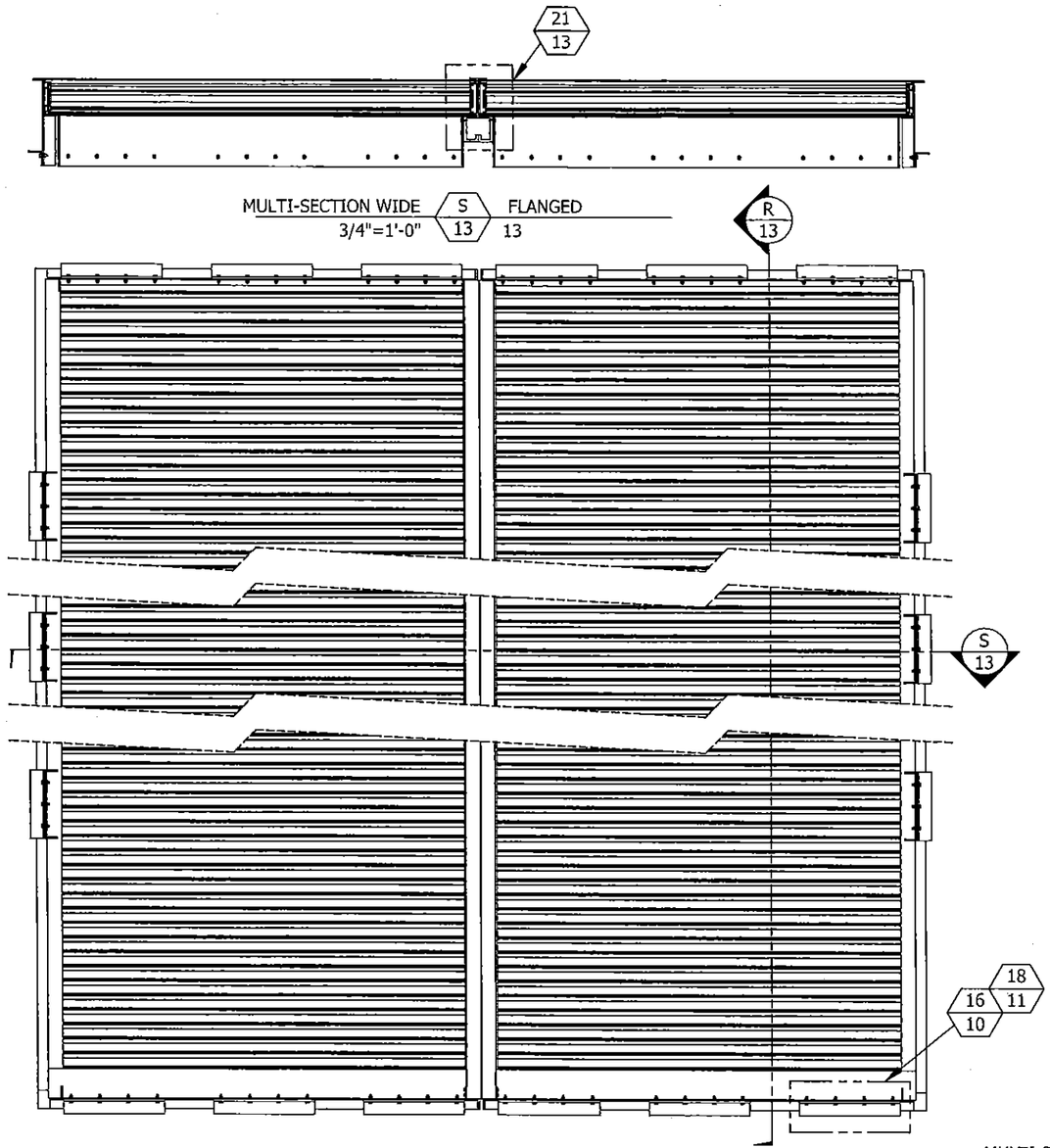
ALL-LITE
ARCHITECTURAL PRODUCTS

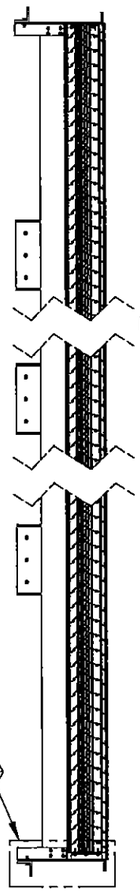
DRAWING DESCR: MULTI-SECTION WIDE X SINGLE SECTION HIGH - ALL CONDITIONS
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER
ECD-545-MD NOA
SHEET: 12 of 19
SCALE: 3/4"=1'-0"

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

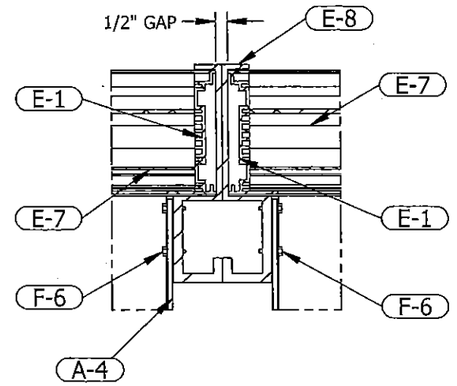
MULTI-SECTION WIDE X SINGLE SECTION HIGH - FLANGED - ALL CONDITIONS



INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED

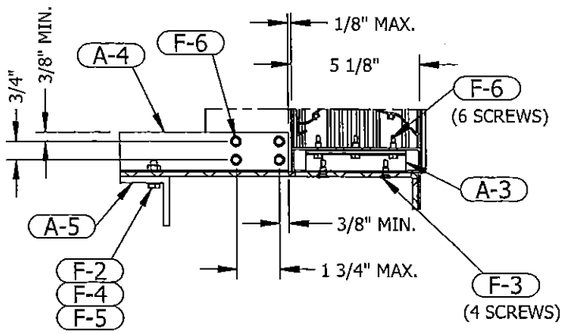


MULTI-SECTION WIDE 3/4"=1'-0" R 13 FLANGED 13



MULTI-SECTION WIDE 6"=1'-0" 21 13 MULLION INSTALLATION 13

QUANTITY SECTIONS WIDE IS UNLIMITED



MULTI-SECTION WIDE 6"=1'-0" 22 13 MULLION INSTALLATION 13

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L. David Rice
Registration No: 50923

01/21/2015

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 144" HIGH AND 60" WIDE. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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

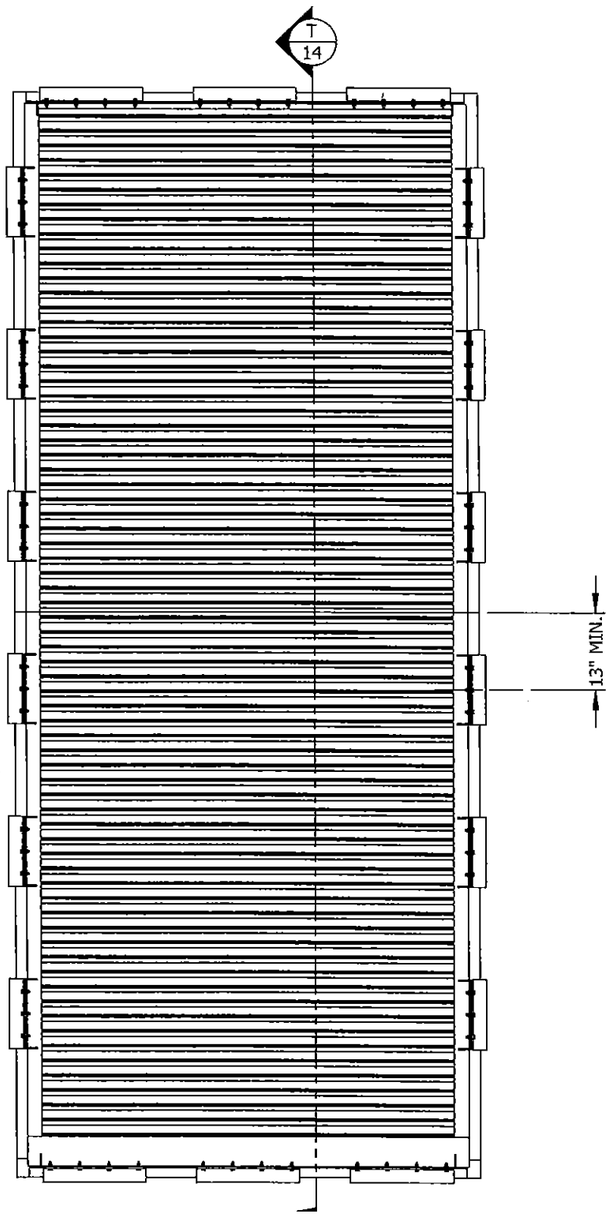
THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

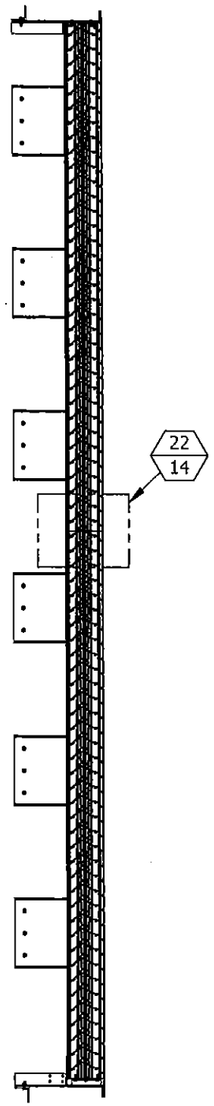
DRAWING DESCR: MULTI-SECTION WIDE X SINGLE SECTION HIGH - FLANGED ASSY - ALL			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER: ECD-545-MD NOA
SHEET: 13 of 19	SCALE: 3/4"=1'-0"		

I:\Jonathan Cott\ECD-545-MD NOA\REV. 2\

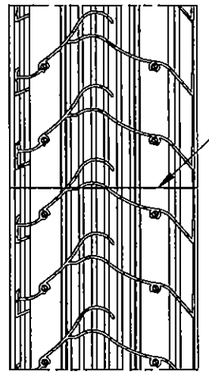
SINGLE SECTION WIDE X MULTI-SECTION HIGH - ALL CONDITIONS



INTERIOR ELEVATION
QUANTITY SECTIONS HIGH IS UNLIMITED

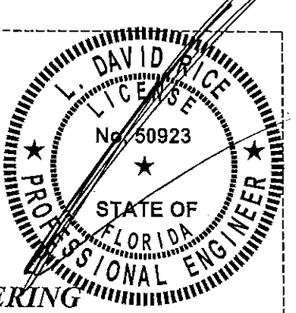


MULTI-SECTION HIGH 3"=1'-0" (T / 14) FLANGED 14



MULTI-SECTION HIGH 3"=1'-0" (22 / 14) SPLICE SECTION DTL 14

P.E. STAMP



RICE
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105 School Creek Trail
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

01/21/2015

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By _____
Miami Dade Product Control

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION 72" HIGH OR LESS. REFER TO SHEET 3 OF 19 FOR ATTACHMENT LOCATIONS ON LOUVER SECTIONS OVER 72" HIGH

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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ANGLE ±1°
FRACTION ±1/16

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THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
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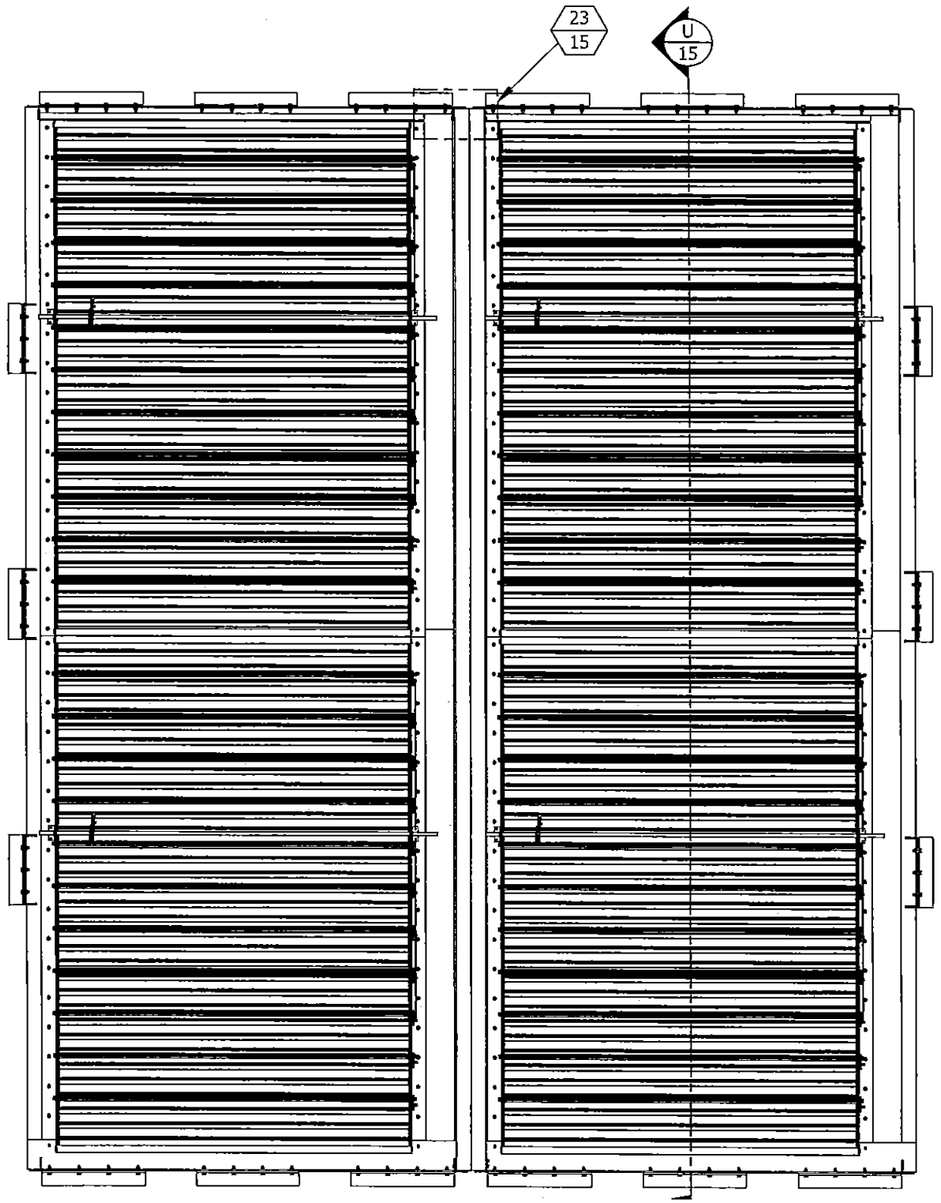
ARCHITECTURAL PRODUCTS

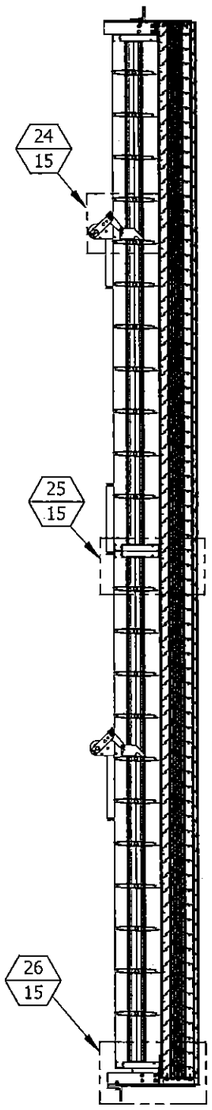
DRAWING DESCR: SINGLE SECTION WIDE X MULTI-SECTION HIGH - ALL CONDITIONS			
PROJECT: ECD-545-MD			
LOCATION:			
CUSTOMER:			
PROJ. MGR:		DRAWN BY: JG	
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER / P.O. NUMBER	DRAWING NUMBER: ECD-545-MD NOA
SHEET: 14 of 19	SCALE: 3/4"=1'-0"		

I:\Jonathan Cot\ECD-545-MD NOA\REV. 2\

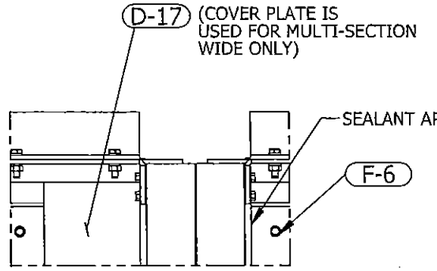
MULTI-SECTION WIDE X SINGLE SECTION HIGH - ALL CONDITIONS



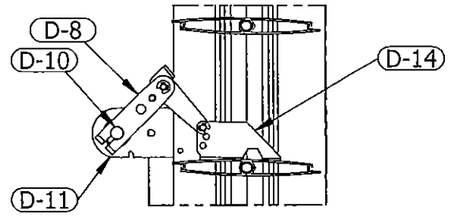
INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED



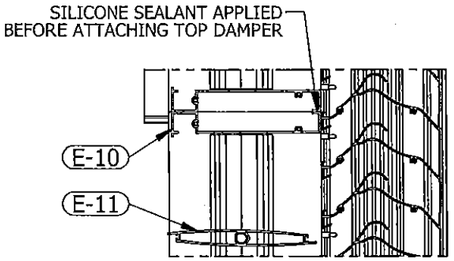
CD-55 DAMPER U 15 VERTICAL SECTION
3/4"=1'-0" 15



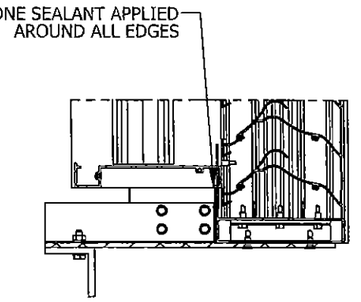
CD-55 MULTI SECT WIDE 23 15 CD-55 SECT DTL
6"=1'-0" 15



CD-55 DRIVE LINKAGE 24 15 CD-55 SECT DTL
6"=1'-0" 15



CD-55 MULTI SECT HIGH 25 15 CD-55 SECTION DTL
6"=1'-0" 15



CD-55 MULTI SECT WIDE 26 15 CD-55 SECTION DTL
6"=1'-0" 15

PRODUCT REVISED
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Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

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L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Fax: 920.845.1048
www.rice-inc.com

01/21/2015

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

NOTE: THE ELEVATION VIEW INCLUDED ON THIS PAGE SHOWS THE ATTACHMENT LOCATIONS FOR A LOUVER SECTION BETWEEN 72" AND 144" HIGH AND 46" TO 60" WIDE. REFER TO SHEET 3 FOR ATTACHMENT LOCATIONS ON SMALLER LOUVER SECTIONS

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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ANGLE ±1°
FRACTION ±1/16

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THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: CD-55 DAMPER ATTACHMENT
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 15 of 19
SCALE: 3/4"=1'-0"
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER
ECD-545-MD NOA

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

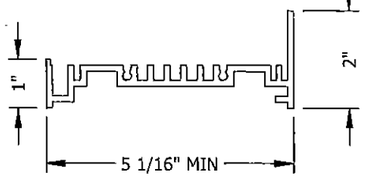
BILL OF MATERIALS

PART NO: E-1

PART NAME: LOUVER JAMB, EXTERIOR

MATERIAL: 0.125" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

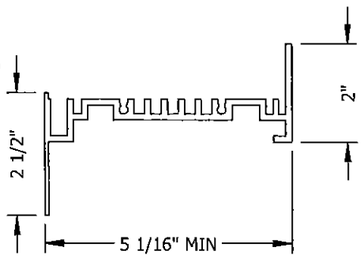


PART NO: E-2

PART NAME: LOUVER JAMB, EXTERIOR, FLANGED

MATERIAL: 0.125" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

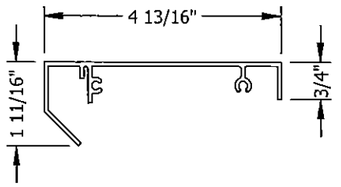


PART NO: E-3

PART NAME: LOUVER HEAD, EXTERIOR

MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

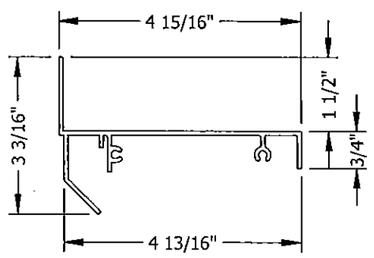


PART NO: E-4

PART NAME: LOUVER HEAD, EXTERIOR, FLANGED

MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

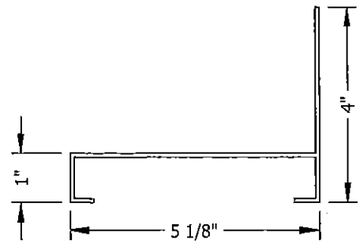


PART NO: E-5

PART NAME: LOUVER SILL, EXTERIOR

MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

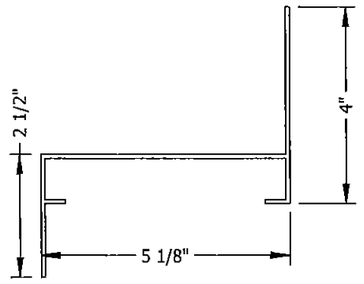


PART NO: E-6

PART NAME: LOUVER SILL, EXTERIOR, FLANGED

MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

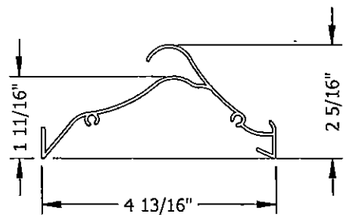


PART NO: E-7

PART NAME: BLADE

MATERIAL: 0.063" THICK 6063-T5 EXTRUDED ALUMINUM OR 0.081" THICK 6063-T5

SCALE: 4"=1'-0"

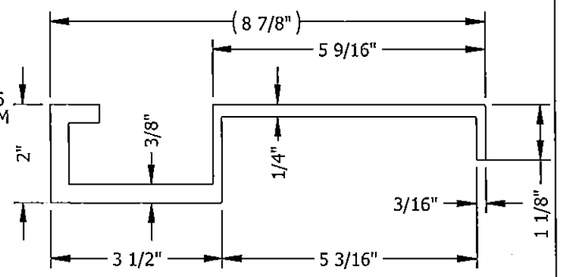


PART NO: E-8

PART NAME: MULLION

MATERIAL: 0.375" THICK 6005-T6 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

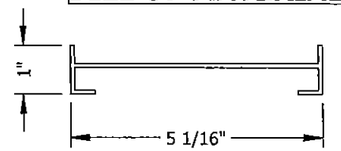


PART NO: E-9

PART NAME: ROLLFRAME EXTRUSION

MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

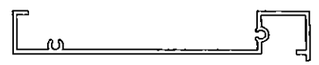


PART NO: E-10

PART NAME: DAMPER SILL

MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

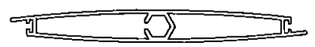


PART NO: E-11

PART NAME: DAMPER AIRFOIL BLADE, FULL

MATERIAL: 0.070" THICK 6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

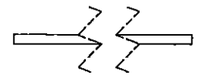


PART NO: L-1

PART NAME: SLEEVE

MATERIAL: MIN. 20 GA. THICK 5052-H32 SHEET ALUMINUM OR MIN. 20-GA THICK GALVANIZED, 304 STAINLESS, OR 316 STAINLESS STEEL SHEET

SCALE: 6"=1'-0"



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L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

PRODUCT REVISED
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Expiration Date 10/09/2018
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Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

01/21/2015

REV.	DESCRIPTION	DATE	DRAWN BY
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1	INITIAL RELEASE	5/8/2014	JG

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X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

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THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: BILL OF MATERIALS
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:

PROJ. MGR:		DRAWN BY: JG		
DATE: 5/8/2014	CHK'D BY: JEC	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
SHEET: 16 of 19	SCALE: AS NOTED			ECD-545-MD NOA

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

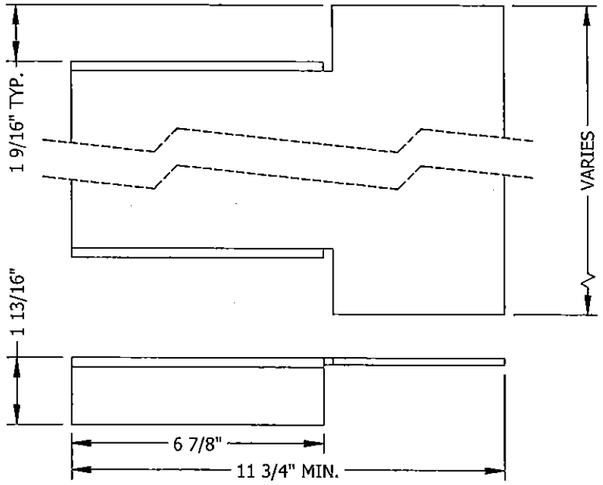
BILL OF MATERIALS

PART NO: A-1

PART NAME: FORMED CLIP, WITHOUT FRONT FLANGE

MATERIAL: 3/16" THICK
5052-H32 FORMED ALUMINUM

SCALE: 3"=1'-0"

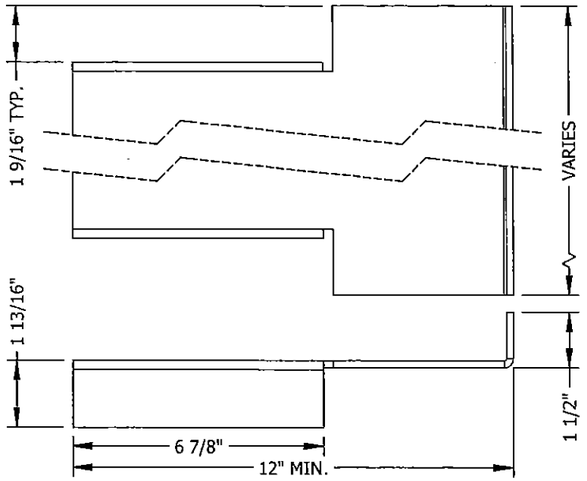


PART NO: A-4

PART NAME: FORMED CLIP WITH FRONT FLANGE

MATERIAL: 3/16" THICK
5052-H32 FORMED ALUMINUM

SCALE: 3"=1'-0"

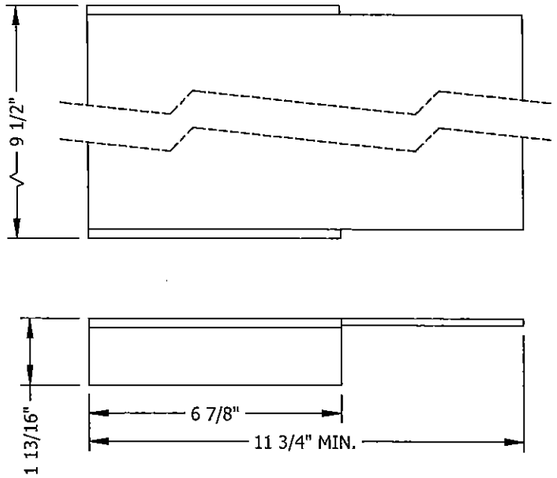


PART NO: A-7

PART NAME: SIDE CLIP WITHOUT FRONT FLANGE

MATERIAL: 3/16" THICK
5052-H32 FORMED ALUMINUM

SCALE: 3"=1'-0"

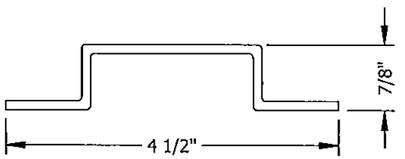


PART NO: A-3

PART NAME: HAT CHANNEL

MATERIAL: 1/8" THICK X 4" LONG
5052-H32 FORMED ALUMINUM

SCALE: 6"=1'-0"

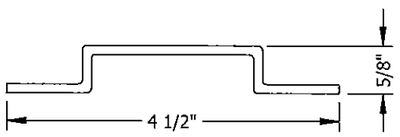


PART NO: A-6

PART NAME: SIDE HAT CHANNEL

MATERIAL: 1/8" THICK X 4" LONG
5052-H32 FORMED ALUMINUM

SCALE: 6"=1'-0"

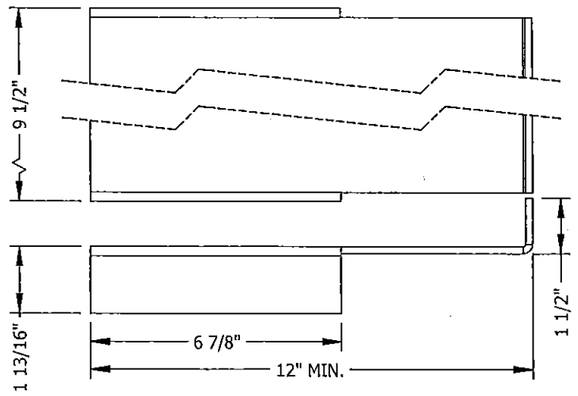


PART NO: A-9

PART NAME: SIDE CLIP WITH FRONT FLANGE

MATERIAL: 3/16" THICK
5052-H32 FORMED ALUMINUM

SCALE: 3"=1'-0"



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Miami Dade Product Control

P.E. STAMP

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LICENSE
No. 50923
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PROFESSIONAL ENGINEER

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THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: BILL OF MATERIALS
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 17 of 19
SCALE: AS NOTED
ORDER NUMBER
P.O. NUMBER
DRAWING NUMBER
ECD-545-MD NOA

I:\Jonathan Coti\ECD-545-MD NOA\REV. 2\

BILL OF MATERIALS

PART NO: A-2

PART NAME: CLIP ANGLE

MATERIAL: 5" X 3" X 3/8" X 12" LONG
6061-T6 EXTRUDED ALUMINUM

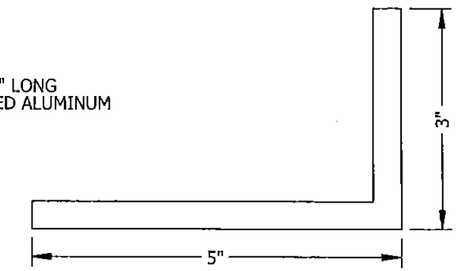
SCALE: 6"=1'-0"

PART NO: A-8

PART NAME: SIDE CLIP ANGLE

MATERIAL: 5" X 3" X 3/8" X 9" LONG
6061-T6 EXTRUDED ALUMINUM

SCALE: 6"=1'-0"



PART NO: A-12

PART NAME: CLIP ANGLE

MATERIAL: 6" X 4" X 3/8" X 12" LONG
6061-T6 EXTRUDED ALUMINUM

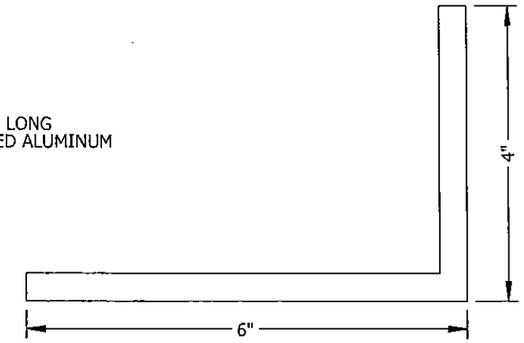
SCALE: 6"=1'-0"

PART NO: A-13

PART NAME: SIDE CLIP ANGLE

MATERIAL: 6" X 4" X 3/8" X 9" LONG
6061-T6 EXTRUDED ALUMINUM

SCALE: 6"=1'-0"



PART NO: A-5

PART NAME: RETAINING ANGLE

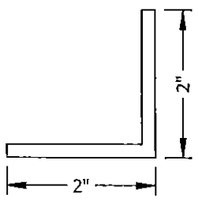
MATERIAL: 1/4" THICK X 14" LONG
6063-T5 EXTRUDED ALUMINUM
OR
3/16" THICK X 14" LONG
5052-H32 FORMED ALUMINUM

SCALE: 6"=1'-0"

PART NO: A-10

PART NAME: RETAINING ANGLE

MATERIAL: 1/4" THICK X 9 1/2" LONG
6063-T5 EXTRUDED ALUMINUM
OR
3/16" THICK X 9 1/2" LONG
5052-H32 FORMED ALUMINUM

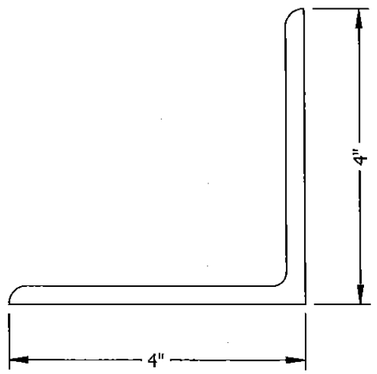


PART NO: A-11

PART NAME: CLIP ANGLE

MATERIAL: 4" X 4" X 1/4" X 2" LONG
6061-T6 EXTRUDED ALUMINUM

SCALE: 6"=1'-0"



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0714.02
Expiration Date 10/09/2018
By
Miami Dade Product Control

P.E. STAMP

L. DAVID RICE LICENSE No. 50923 STATE OF FLORIDA PROFESSIONAL ENGINEER

01/21/2015

RICE 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

I:\Jonathan Cot\ECD-545-MD NOA\REV. 2\

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.030
X.XX ±0.015
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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

THIRD ANGLE PROJECTION

PCI INDUSTRIES DOING BUSINESS AS

ALL-LITE
ARCHITECTURAL PRODUCTS

DRAWING DESCR: BILL OF MATERIALS
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 18 of 19
SCALE: AS NOTED

ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
		ECD-545-MD NOA

BILL OF MATERIALS

MISCELLANEOUS FASTENERS	
PART NO	DESCRIPTION
F-1	#10-16 X 3" LONG, HWH, 410 SST, "F-POINT THREAD-CUTTING MACHINE SCREW
F-2	WASHER, FLAT, 1/4" I.D. X 5/8" O.D., 18-8 S.S.
F-3	#12-14 X 3/4" LONG FLAT HEAD, 410 S.S. SELF-DRILLING TEK MACHINE SCREW
F-4	NUT, HEX, 1/4-20 UNC, 18-8 S.S.
F-5	BOLT, HEX HEAD, 1/4-20 UNC X 1" LONG, 304 S.S.
F-6	#12-14 X 3/4" LONG, HWH, 410 S.S. SELF-DRILLING TEK MACHINE SCREW
F-7	#12-14 X 1" LONG, HWH, SELF-DRILLING TEK MACHINE SCREW
F-8	5/8" x 5-1/2" HILTI KWIK BOLT III EXPANSION ANCHOR
F-9	1/2" X 3-1/2" LAG BOLT W/FLAT WASHER , 3" MINIMUM EMBEDMENT
F-10	1/2" x 5-1/2" HILTI KWIK BOLT TZ EXPANSION ANCHOR
F-11	#10-16 X 3/4" LONG, HWH, 410 SST, "F-POINT THREAD-CUTTING MACHINE SCREW

MISC. DAMPER PARTS		
PART #	DESCRIPTION	MATERIAL
D-1	BLADE SEAL	PVC
D-2	STOP SEAL	PVC
D-3	BLADE STOP, 14 GA. FORMED ALUMINUM	0.063" ALUMINUM
D-4	HEX AXLE, 304 SST	304 SST
D-5	HEX BUSHING,	OIL IMPREGNATED SST
D-6	PARALLEL CAM, 304 SST	304 SST
D-7	LINK BAR, 1/2" X 1/8" GALV FLAT BAR	1/2" X 1/8" GALVANIZED FLAT BAR
D-8	KNEE LOCK ASSEMBLY, GALV.	GALVANIZED
D-9	WASHER, NYLON	NYLON
D-10	JACKSHAFT, GALV	GALVANIZED
D-11	JACKSHAFT BRACKET, GALV	12 GA. GALVANIZED
D-12	JACKSHAFT BEARING	STEEL
D-13	JACKSHAFT SPRING CLIP	SPRING STEEL
D-14	BLADE BRACKET	14 GA. SST
D-15	PIN	304 SST
D-16	E-RING	ZINC PLATED STEEL
D-17	MULTI-SECTION COVER PLATE	0.125" ALUMINUM

P.E. STAMP

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01/21/2015

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NOTE:
ALL INSTALLATION FASTENERS AND ANCHORS SHOULD BE OF CORROSION-RESISTANT STEEL (STAINLESS, HOT-DIP GALVANIZED, OR ZINC-PLATED)

REV.	DESCRIPTION	DATE	DRAWN BY
2	REVISED PER MIAMI DADE COUNTY	9/17/2014	JG
1	INITIAL RELEASE	5/8/2014	JG

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ARCHITECTURAL PRODUCTS

DRAWING DESCR: BILL OF MATERIALS
PROJECT: ECD-545-MD
LOCATION:
CUSTOMER:
PROJ. MGR:
DRAWN BY: JG
DATE: 5/8/2014
CHK'D BY: JEC
SHEET: 19 of 19
SCALE: AS NOTED

ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER
		ECD-545-MD NOA

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