



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

NOTICE OF ACCEPTANCE (NOA)

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

Reliable Products a div. of Ruskin Company
3900 Dr. Greaves Road
Grandview, MO 64030

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 6375DC Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022283-00B**, titled "6375DC", sheets 1 through 32 of 32, prepared by the Reliable Products a div. of Ruskin Company, dated 08/18/2025, signed and sealed by Jeffrey D. Smith, 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, Geneva, AL and Juarez Mexico, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

LIMITATION: This louver is to be installed in a location where the room behind the louver is designed to drain water penetrating the room, and the room will house water resistant/waterproof equipment, components, or supplies.

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews and revises NOA # 23-1116.18** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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

11/05/25



NOA No. 25-0929.01
Expiration Date: July 9, 2030
Approval Date: November 13, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOAs

A. DRAWINGS “Submitted under NOA # 22-0809.01”

1. Drawing No. **60-022277-00B**, titled “ELF6375DXD Approval Drawings”, sheets 1 through 25 of 25, dated 03/23/2012, with revision G dated 07/18/2022, prepared by manufacturer, signed and sealed by Jeffrey D. Smith, P.E. on 10/11/2022.

B. TESTS “Submitted under NOA # 01-0328.04”

1. Test report on Large Missile Impact Test per PA 201, Cyclic wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 of “Open, Extruded Aluminum Louver Assembly,” prepared by Construction Research Laboratory Inc., Report No. **97-1124.22**, dated 08/04/2000 and revised on 12/18/2000, signed and sealed by N. S. Balsara, 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 marked-up drawings and installation diagram of ELF6375DXD Aluminum Louvers”, prepared by National Certified Testing Laboratories, Report No. **210-3780-1**, dated 03/26/2012, signed and sealed by Gerard J. Ferrara, P.E.
“Submitted under NOA # 12-0601.22”
3. 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 ELF6375DXD Aluminum Louvers”, prepared by National Certified Testing Laboratories, Report No. **NCTL-210-4234-01**, dated 01/10/2022, signed and sealed by Douglas J. McDougall, P.E.
“Submitted under NOA # 22-0809.01”

C. CALCULATIONS “Submitted under NOA # 16-0519.10”

1. ELF6375DXD louver wind load review, prepared by Ruskin Company, dated 05/04/2016, signed and sealed by Daniel J. Rau, P.E.
2. ELF6375DXD clip angle installation Dade County wind load review, prepared by Ruskin Company, dated 08/06/2010, signed and sealed by Daniel J. Rau, P.E.
“Submitted under NOA # 11-0408.05”
3. Louver wind load review prepared by Ruskin Company, dated 07/19/2022, signed and sealed by Jeffrey D. Smith, P.E. **“Submitted under NOA # 22-0809.01”**



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0929.01
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Reliable Products a div. of Ruskin Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Distributor agreement dated 09/22/2016. ***“Submitted under NOA # 16-0519.10”***
2. Statement letter of code conformance to the 5th edition (2014) FBC issued by Ruskin Company, dated 05/04/2016, signed and sealed by Daniel J. Rau, P.E. ***“Submitted under NOA # 16-0519.10”***
3. Statement letter of code conformance to 2010 FBC and no financial interest, issued by Ruskin Company, dated 04/26/2012, signed and sealed by Daniel J. Rau, P.E. ***“Submitted under NOA # 12-0601.22”***
4. Statement letter of code conformance to the 6th edition (2017) FBC issued by Ruskin Company, dated 10/09/2017, signed and sealed by Daniel J. Rau, P.E. ***“Submitted under NOA # 17-1025.02”***
5. Statement letter of code conformance to **7th Edition (2020)** of the **FBC** and of no financial interest, prepared by Ruskin Company, dated 03/08/2022, signed and sealed by Jeffrey D. Smith, P.E. ***“Submitted under NOA # 22-0809.01”***
6. Statement letter of code conformance to the **8th Edition (2023)** of the FBC and of no financial interest, issued by Ruskin Company, dated 10/30/2023, signed and sealed by Jeffrey Devon Smith, P.E.

G. OTHER

1. This NOA **revises NOA # 22-0809.01** for the 8th edition (2023) of the FBC update.



Carlos M. Utrera, P.E.
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NOA No. 25-0929.01
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 24-0605.04

A. DRAWINGS

1. Drawing No. **60-022277-00B**, titled “ELF6375DXD Approval Drawings”, sheets 1 through 29 of 29, dated 03/23/2012, with revision H dated 05/08/2024, prepared by the manufacturer, signed and sealed by Jeffrey D. Smith, 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 marked-up drawings and installation diagram of ELF6375DXD Aluminum Louvers, prepared by Intertek, Report No. **Q1195.01-801-18 R0**, dated 09/08/2023, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Louver wind load review prepared by Ruskin Company, dated 05/08/2024, signed and sealed by Jeffrey D. Smith, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Ruskin Company, dated 05/07/2024, signed and sealed by Jeffrey D. Smith, P.E.
2. Statement letter of no financial interest, issued by Ruskin Company, dated 05/07/2024, signed and sealed by Jeffrey D. Smith, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0929.01
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New evidence submitted

A. DRAWINGS

1. Drawing No. **60-022283-00B**, titled “6375DC”, sheets 1 through 32 of 32, prepared by the Reliable Products a div. of Ruskin Company, dated 08/18/2025, signed and sealed by Jeffrey D. Smith, P.E.

B. TESTS “Submitted under NOA # 25-0408.03”

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of ELF6375DXD Aluminum Louvers, prepared by Intertek, Report No. **S0188.01-801-18 r0**, dated 12/17/2024, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS “Submitted under NOA # 25-0408.03”

1. Louver wind load review prepared by Ruskin Company, dated 03/14/2025, signed and sealed by Jeffrey D. Smith, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Ruskin Company, dated 08/18/2025, signed and sealed by Jeffrey D. Smith, P.E.
2. Statement letter of no financial interest, issued by Ruskin Company, dated 08/18/2025, signed and sealed by Jeffrey D. Smith, P.E.



Carlos M. Utrera, P.E.
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TABLE 01 - PARTS LIST FOR 100PSF JAMB ONLY ATTACHMENT			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME - JAMB ONLY	0.125" THK. EXTRUDED ALUM.	6063-T6
2	SILL FRAME - JAMB ONLY	0.125" THK. EXTRUDED ALUM.	6063-T6
3	JAMB FRAME	0.080" THK. EXTRUDED ALUM.	6063-T6
4	DRAINABLE BLADE	0.080" THK. EXTRUDED ALUM.	6063-T6
5	BLADE BRACE	0.100" THK. EXTRUDED ALUM.	6063-T6
6	OFFSET TEE SUPPORT FOR BLADE	0.125" THK EXTRUDED ALUM.	6063-T6
7	1/4-20 X 3/4" HHB W LOCK WASHER AND HEX NUT	3005	-
8	SCREW #10-16 X 1" LG HWH TEK3	PLTD STL	-

TABLE 02 - PARTS LIST FOR 100PSF PERIMETER ATTACHMENT			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	0.080" THK. EXTRUDED ALUM.	6063-T6
2	SILL FRAME	0.125" THK. EXTRUDED ALUM.	6063-T6
3	JAMB FRAME	0.080" THK. EXTRUDED ALUM.	6063-T6
4	DRAINABLE BLADE	0.080" THK. EXTRUDED ALUM.	6063-T6
5	BLADE BRACE	0.100" THK. EXTRUDED ALUM.	6063-T6
6	OFFSET TEE SUPPORT FOR BLADE	0.125" THK EXTRUDED ALUM.	6063-T6
7	1/4-20 X 3/4" HHB W LOCK WASHER AND HEX NUT	3005S	-
8	SCREW #10-16 X 1" LG HWH TEK3	PLTD STL	-

TABLE 03 - MULTI-SECTION CONNECTION PARTS			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
9	MULLION ATTACHMENT ANGLE	0.125" THK EXTRUDED ALUM.	6063-T6
10	2" SPLICE PLATE	EXTRUDED ALUM.	6063-T6
11	FSNR KIT 3/8-16X3" LG W LOCKNUT	ZINC PLATED	-

TABLE 04 - INSTALLATION PARTS (SHIP LOOSE) - 100 PSF WINDLOAD			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
12	ATTACHMENT CLIP ANGLE, 2" LG.	0.250" THK EXTRUDED ALUM.	6063-T6
13	CONT. FORMED ANGLE - JAMBS	0.250" THK FORMED ALUM.	3003-H14
14	CONT. ATTACHMENT ANGLE - JAMBS	0.250" THK EXTRUDED ALUM.	6063-T6
15	ALTERNATE ATTACHMENT CLIP ANGLE, 6" LG.	0.250" THK EXTRUDED ALUM.	6063-T6
16	CLIP ANGLE - FORMED (CMU), 6" LG	0.250" THK FORMED ALUM.	3003-H14
17	STRUCTURAL ATTACHMENT ANGLE, 15" LG.	.375" EXTRUDED ALUM.	6063-T6
18	CLIP ANGLE - FORMED, 2" LG	0.250" THK FORMED ALUM.	3003-H14
19	ATTACHMENT ANGLE (CMU), 4" LG.	0.250" THK EXTRUDED ALUM.	6063-T6
20	REVERSE CLIP ANGLE - JAMBS	0.250" THK EXTRUDED ALUM.	6063-T6
21	REVERSE CLIP ANGLE - HEAD/SILL	0.250" THK EXTRUDED ALUM.	6063-T6
22	#10 - 16 x 1" LG TEK SCREW	4105S/ZC	-
23	SCREW #10-16 X 1.500" LG. HWH SDS	4105S/ZINC COATED	-
24	SCREW 1/4-20 X 1.000" LG. HWH SDS	4105S/ZINC COATED	-
25	FSNR KIT 1/4-20X1.5" LG W LOCKNUT	ZINC PLATED	-
26	FSNR KIT 3/8-16X2" LG W LOCKNUT	ZINC PLATED	-
27	SUBSTRATE FASTENER (BY OTHERS)	REFER TABLES 08/05 & 09/10	-

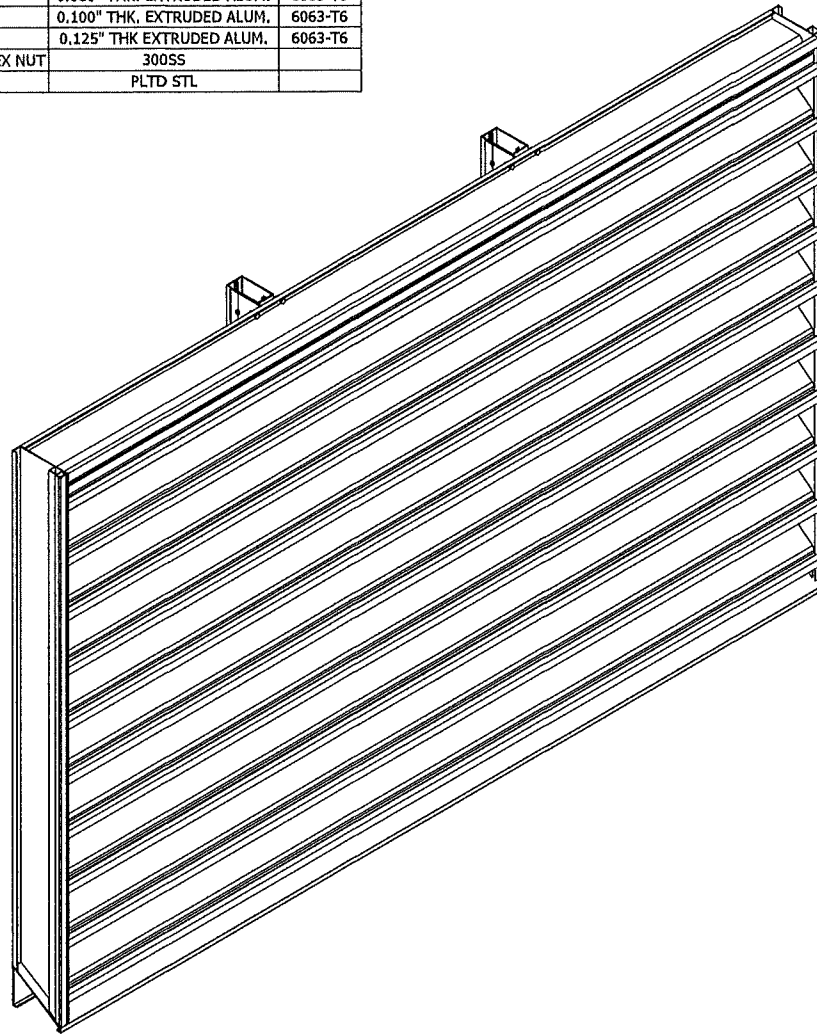
TABLE 05 - UNIVERSAL SLEEVE PARTS			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
28	HEAD FRAME W/INTEGRAL FLANGE	0.125" THK. EXTRUDED ALUM.	6063-T6
29	SILL FRAME W/INTEGRAL FLANGE	0.125" THK. EXTRUDED ALUM.	6063-T6
30	JAMB FRAME W/INTEGRAL FLANGE	0.080" THK. EXTRUDED ALUM.	6063-T6
31	FRONT FLANGE UNIVERSAL SLEEVE	0.250" THK FORMED ALUM.	3003-H14
32	CONT. RETAINING ANGLE - 8" SPACING	0.250" THK EXTRUDED ALUM.	6063-T6
33	CONT. RETAINING ANGLE - 18" SPACING	0.250" THK EXTRUDED ALUM.	6063-T6
34	CONT. RETAINING ANGLE - 24" SPACING	0.250" THK EXTRUDED ALUM.	6063-T6
35	US SUPPORT ATTACHMENT ANGLE, 5" LG.	0.250" THK EXTRUDED ALUM.	6063-T6
36	FSNR KIT 1/2-13X3.5" LG W LOCKNUT	ZINC PLATED A307	-
37	SCREW 1/4-20 X 1.000" LG. HWH SDS	4105S/ZINC COATED A307	-

TABLE 06 - H.V.B.S. SUPPORTS OPTIONS BASED ON SECTION HEIGHT - JAMB ONLY ATTACHMENT

ITEM #	DESCRIPTION	LOUVER HEIGHT RANGE	MATERIAL	ALLOY
38	3" HVBS DOUBLE FLANGED	UP TO 34" TALL	EXT. ALUMINIUM	6063-T6
39	6" HVBS DOUBLE FLANGED	GREATER THAN 34" TO 49"	EXT. ALUMINIUM	6063-T6
40	6" HVBS I SHAPE	GREATER THAN 49" TO 60"	EXT. ALUMINIUM	6063-T6

TABLE 07 - H.V.B.S./ MULLION SUPPORTS OPTIONS BASED ON SECTION HEIGHT - PERIMETER ATTACHMENT

ITEM #	DESCRIPTION	LOUVER HEIGHT RANGE	MATERIAL	ALLOY
38	3" HVBS DOUBLE FLANGED	UP TO 34" TALL	EXT. ALUMINIUM	6063-T6
39	6" HVBS DOUBLE FLANGED	GREATER THAN 34" TO 49"	EXT. ALUMINIUM	6063-T6
40	6" HVBS I SHAPE	GREATER THAN 49" TO 65"	EXT. ALUMINIUM	6063-T6
41	2" X 4" X 1/8" THICK TUBE SUPPORT	GREATER THAN 65" TO 72"	EXT. ALUMINIUM	6063-T6
42	2" X 6" X 1/8" THICK TUBE SUPPORT	GREATER THAN 72" TO 90"	EXT. ALUMINIUM	6063-T6



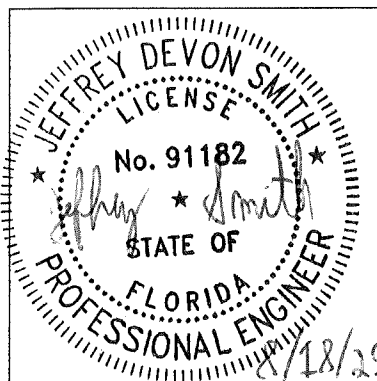
6375DC LOUVER - FOR 100 PSF WINDLOAD

NOTES

- LOUVER SYSTEM WITH 100 PSF WINDLOAD HAS TWO TYPES OF ASSEMBLIES AS PER INSTALLATION METHOD - **JAMB ONLY ATTACHMENT & PERIMETER ATTACHMENT.**
- THIS LOUVER SYSTEM IS APPROVED FOR JAMB ONLY ATTACHMENT AND APPLICATION WITH DESIGN PRESSURE +/- 100PSF, MAXIMUM SINGLE SECTION SIZE IS 96" WIDE X 60" HIGH, 96" WIDE X UNLIMITED HIGH
- ALTERNATE ATTACHMENT USED IN **DETAIL B/03** IS NOT THE RESPONSIBILITY OF RELIABLE AND HAVE TO BE DESIGNED AND SPECIFIED BY ENGINEER OF RECORD.
- THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
- IT SHALL BE RESPONSIBILITY OF PERMIT HOLDER/BUILDING DESIGN ENGINEER OF RECORD TO VERIFY THE STRUCTURAL INTEGRITY OF THE STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THIS LOUVER SYSTEM.
- MAXIMUM SINGLE SECTION SIZE IS **120" WIDE X 90" HIGH.**
- MAXIMUM ASSEMBLED LOUVER SIZE : **UNLIMITED WIDTH X 90" HEIGHT OR 96" WIDTH X UNLIMITED HEIGHT.**
- ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDED A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
- THIS LOUVER SYSTEM IS TO BE INSTALLED IN LOCATIONS 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.
- ALL CMU BLOCKS MUST BE GROUT FILLED, MIN. PRISM STRENGTH OF 1500 PSI AT TIME OF INSTALLATION. CMU BLOCKS MUST BE MIN. TYPE 1, GRADE N, LIGHT, MEDIUM OR NORMAL WEIGHT PER ASTM C90. GROUT AND MORTAR MUST COMPLY WITH FLORIDA BUILDING CODE.
- PART NUMBERS WITH SQUARE BALLOONS ARE "**SHIP LOOSE PARTS**".
- ALL FASTENERS SHALL BE CORROSION RESISTANT.

DRAWING SHEET INDEX:

- SHEET 01 - NOTES, PARTS LIST, DRAWING INDEX, ISO VIEW - 100 PSF
- SHEET 02 - ASSEMBLY "A" - BASIC ASSEMBLY & DETAILS - 100PSF (JAMB ONLY ATTACHMENT)
- SHEET 03 - ASSEMBLY "A" - MULTI SECTION ASSEMBLY - 100PSF (JAMB ONLY ATTACHMENT)
- SHEET 04 - ASSEMBLY "A" - INSTALLATION DETAILS
- SHEET 05 - ASSEMBLY "A" - UNIVERSAL SLEEVE INSTALL & WALL FASTENER TABLE
- SHEET 06 - ASSEMBLY "B" - BASIC ASSEMBLY - 100 PSF (PERIMETER ATTACHMENT)
- SHEET 07 - ASSEMBLY "B" - MULTI SECTION ASSEMBLY & DETAILS - 100 PSF (PERIMETER ATTACHMENT)
- SHEET 08 - ASSEMBLY "B" - CMU/NON CMU INSTALL
- SHEET 09 - ASSEMBLY "B" - UNIVERSAL SLEEVE INSTALL
- SHEET 10 - ASSEMBLY "B" - UNIVERSAL SLEEVE, ALTERNATE CLIP INSTALL & WALL FASTENER TABLE
- SHEET 11 - PARTS
- SHEET 12 - PARTS
- SHEET 13 - PARTS
- SHEET 14 - PARTS & WALL FASTENER TABLE
- SHEET 15 - NOTES, PARTS LIST, ISO VIEW - 150 PSF
- SHEET 16 - ASSEMBLY "C" - SINGLE SECTION ASSEMBLY - 150PSF
- SHEET 17 - ASSEMBLY "C" - MULTI SECTION ASSEMBLY - 150PSF
- SHEET 18 - STANDARD LOUVER BUILD DETAILS
- SHEET 19 - ASSEMBLY "C" - STANDARD INSTALLATION DETAILS
- SHEET 20 - ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS - REVERSED
- SHEET 21 - ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS (>6" CMU)
- SHEET 22 - ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS (6" CMU)
- SHEET 23 - WALL FASTENER TABLE
- SHEET 24 - UNIVERSAL SLEEVE ASSEMBLY
- SHEET 25 - UNIVERSAL SLEEVE INSTALLATION DETAILS
- SHEET 26 - ASSEMBLY "D" & "E" - SINGLE SECTION ASSEMBLY - 150PSF
- SHEET 27 - ASSEMBLY "D" & "E" - DETAILS - 150PSF
- SHEET 28 - PARTS
- SHEET 29 - PARTS
- SHEET 30 - PARTS
- SHEET 31 - PARTS
- SHEET 32 - PARTS



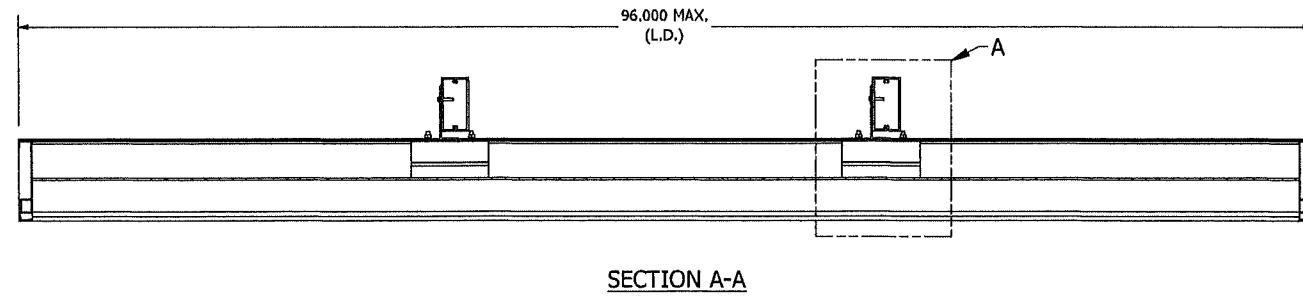
PRODUCT REVISED
 as complying with the Florida Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
 By *[Signature]*
Miami-Dade Product Control

JEFFREY DEVON SMITH, P.E.
 NO. 91182

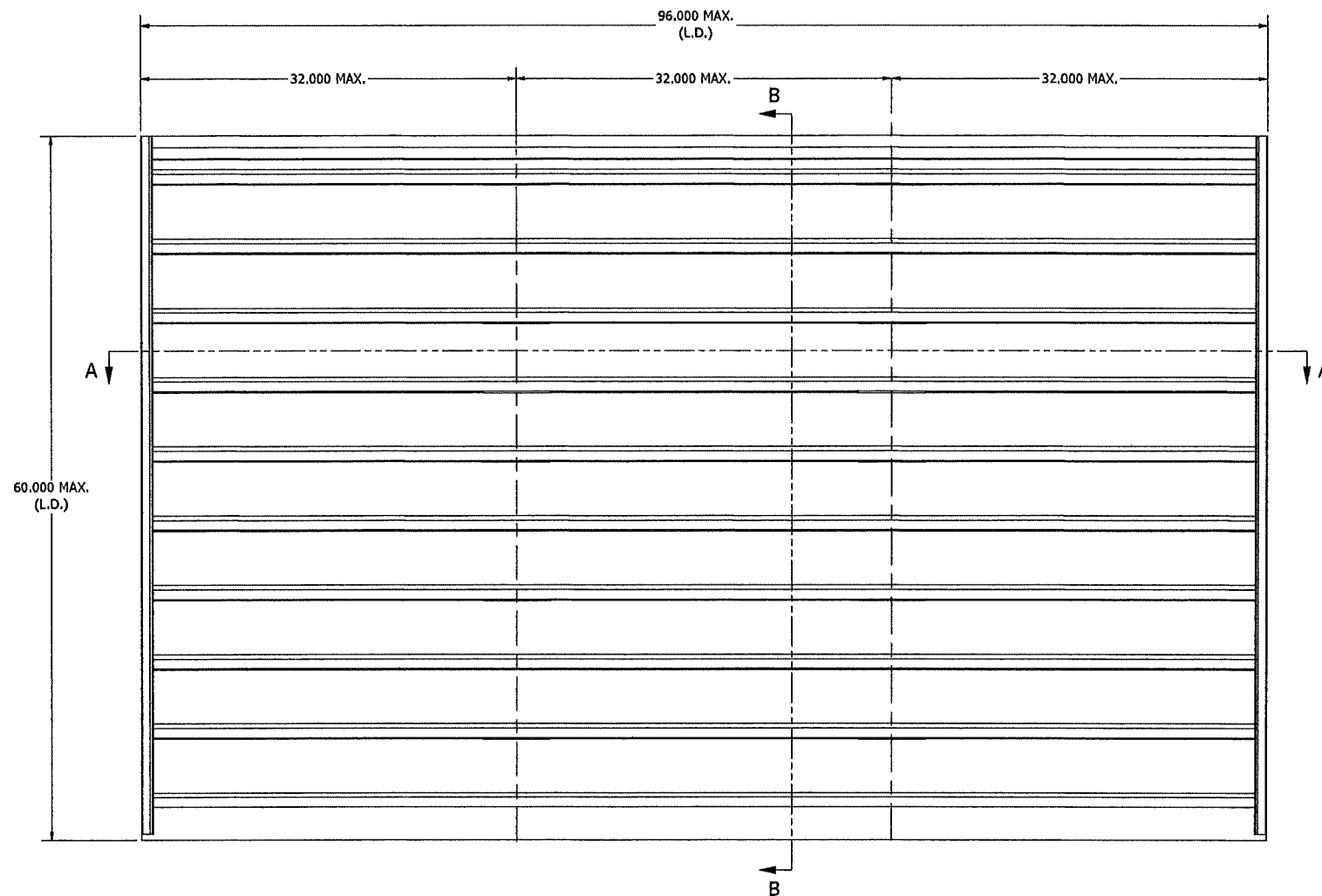
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
PRODUCT	6375DC					
TITLE	NOTES, PARTS LIST, DRAWING INDEX, ISO VIEW-100PSF					
SIZE	D	DWG NO	60-022283-00B		REV	E
SCALE	NONE	INVENTOR	SHEET 1 of 32			

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

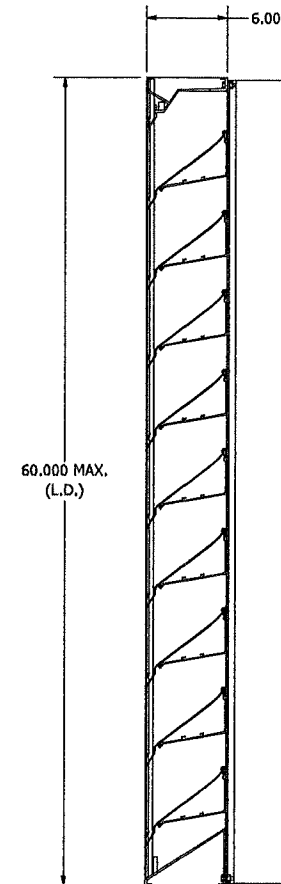
100PSF WINDLOAD - JAMB ONLY ATTACHMENT



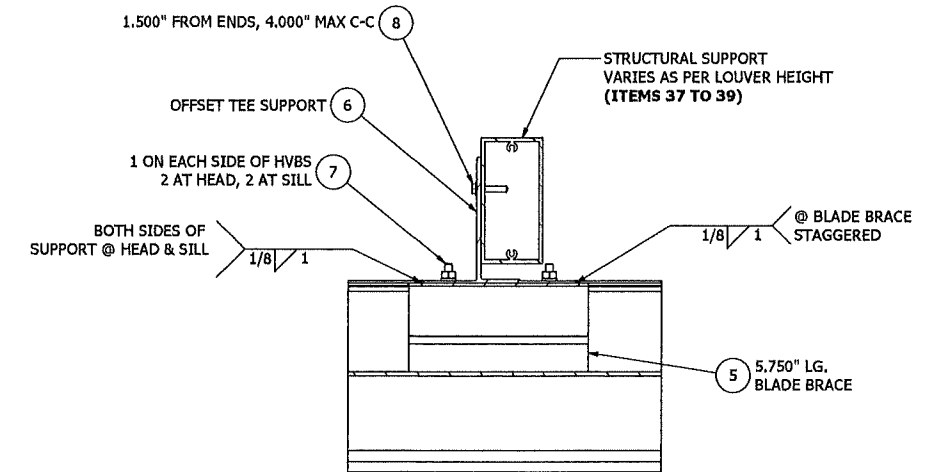
SECTION A-A



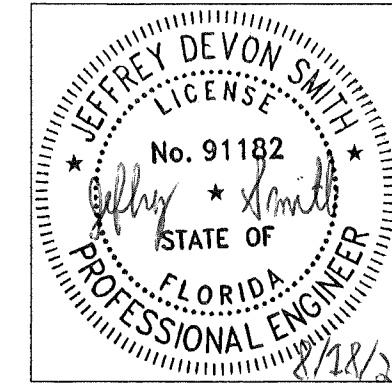
ASSEMBLY "A" - SINGLE SECTION VIEW-FOR WINDLOAD-100PSF JAMB ONLY ATTACHMENT
LOUVER SIZE - 96.000" W X 60.000" H



SECTION B-B



DETAIL A
HVBS CONNECTION DETAIL



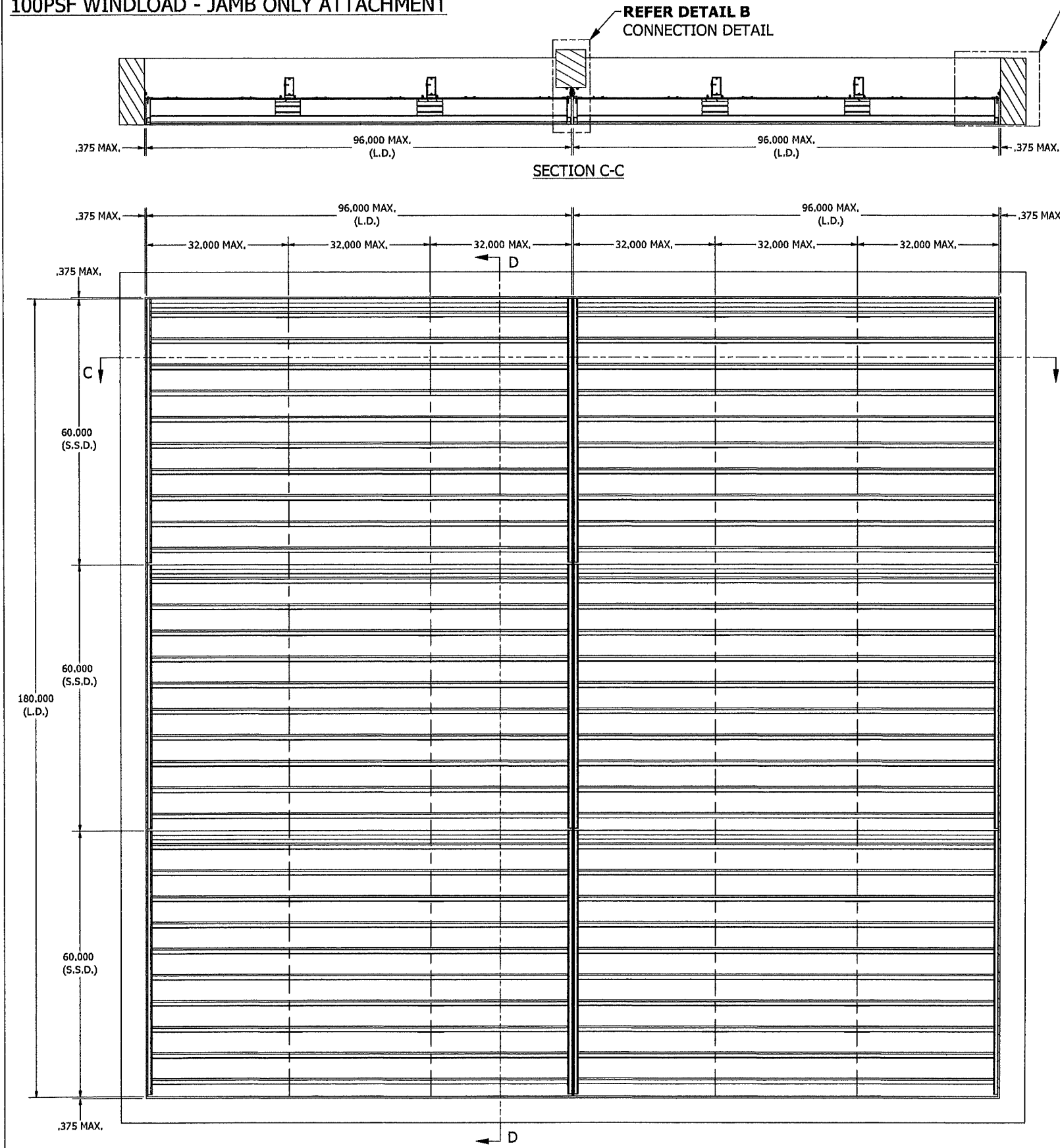
JEFFREY DEVON SMITH, P.E.
NO. 91182

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	PRODUCT	6375DC				
	TITLE	ASSEMBLY "A" - BASIC ASSEMBLY & DETAILS - 100PSF (JAMB ONLY ATTACHMENT)				
	SIZE	D	DWG NO.	60-022283-00B	REV	E
	SCALE	NONE	INVENTOR		SHEET	2 OF 32

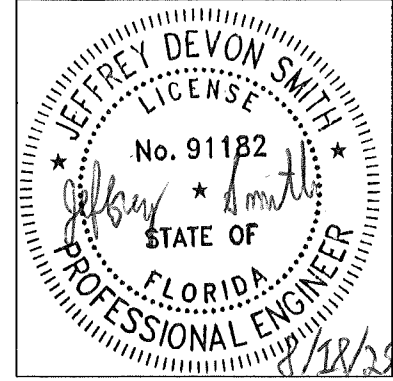
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER W1Q-007

100PSF WINDLOAD - JAMB ONLY ATTACHMENT



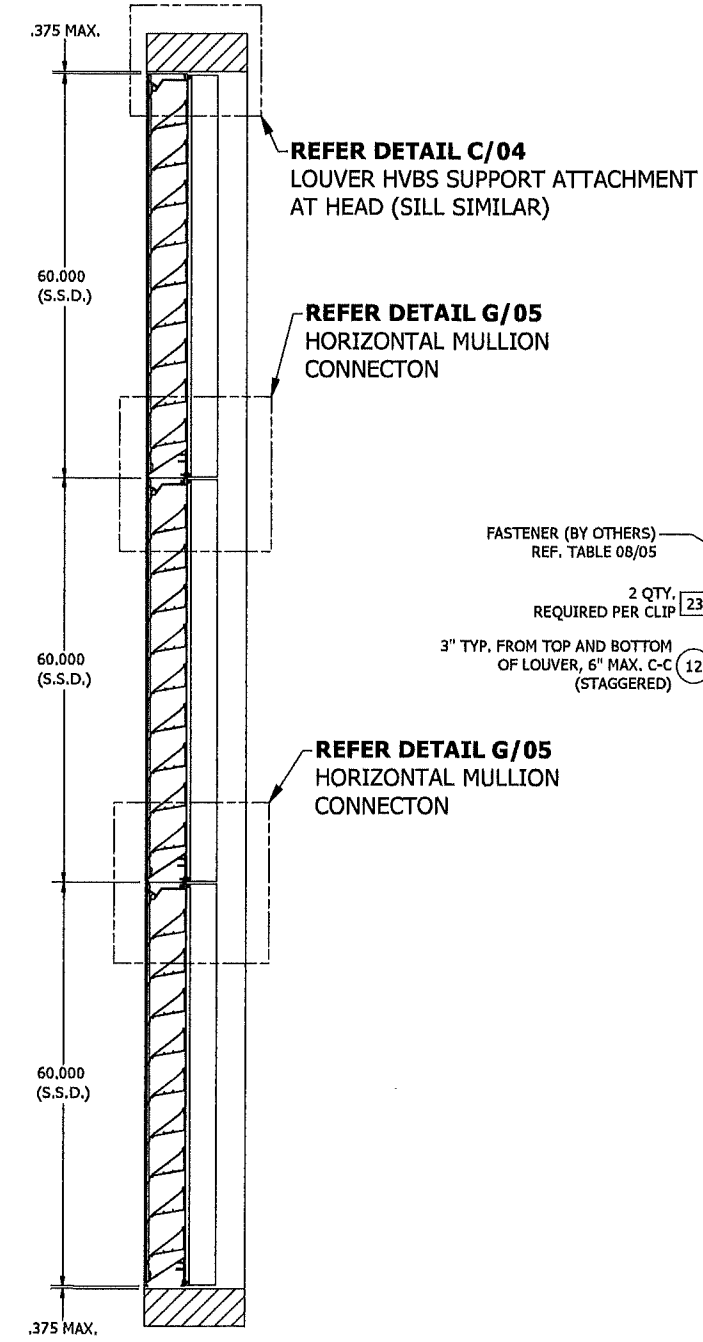
REFER DETAIL B
CONNECTION DETAIL

REFER DETAIL D/04
FOR ATTACHMENT CLIP ANGLE INSTALLATION
@ JAMBS (WOOD/METAL/CONCRETE/12" CMU)
REFER DETAIL E/04
DOUBLE ANGLE INSTALLATION (6" CMU ONLY)
REFER DETAIL F/04
ALTERNATE ATTACHMENT CLIP ANGLE INSTALLATION
@ JAMBS (WOOD/METAL/CONCRETE/8", 10" & 12" CMU)
REFER DETAIL H/05
UNIVERSAL SLEEVE ATTACHMENT DETAIL



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Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

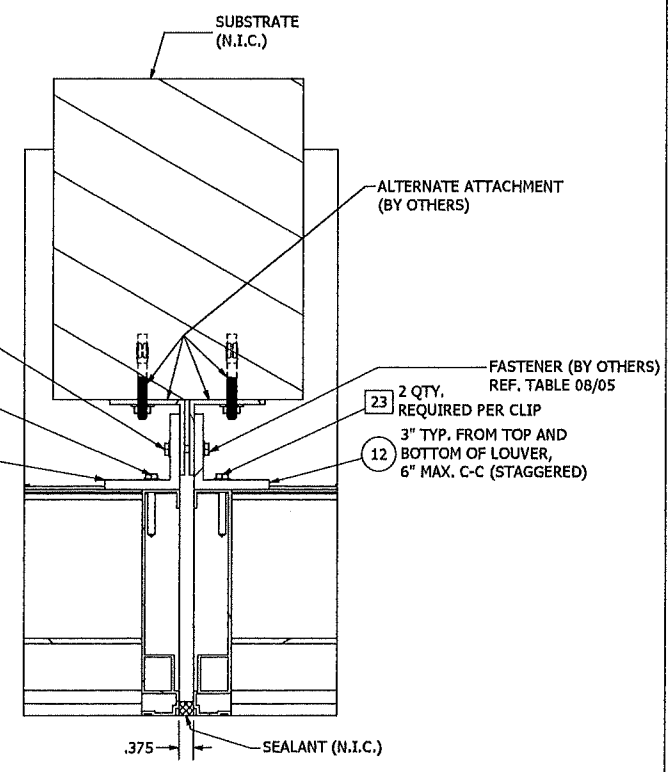
JEFFREY DEVON SMITH, P.E.
NO. 91182



REFER DETAIL C/04
LOUVER HVBS SUPPORT ATTACHMENT
AT HEAD (SILL SIMILAR)

REFER DETAIL G/05
HORIZONTAL MULLION
CONNECTOR

REFER DETAIL G/05
HORIZONTAL MULLION
CONNECTOR



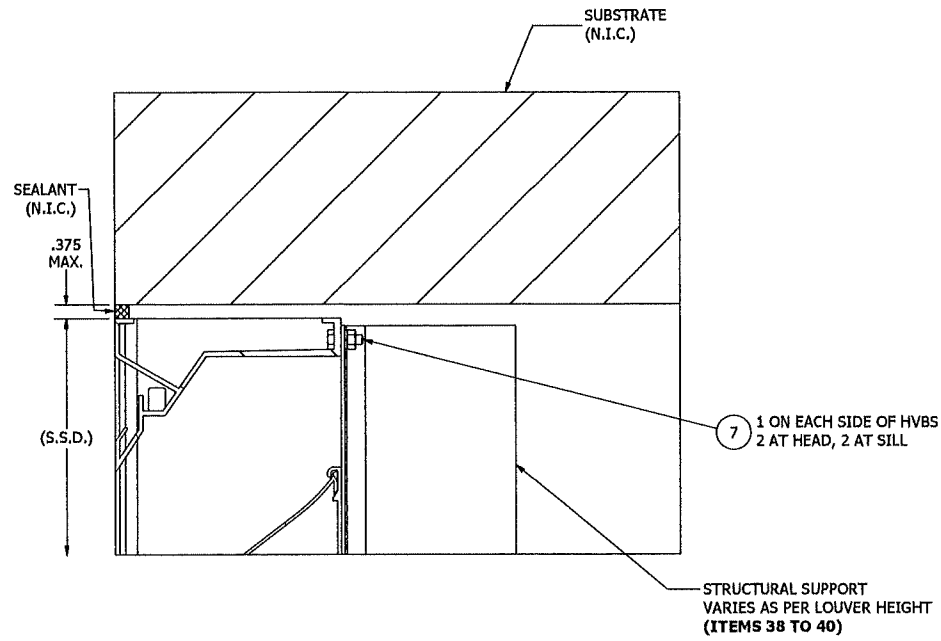
DETAIL B
CONNECTION DETAIL

ASSEMBLY "A" - MULTI SECTION VIEW-FOR WINDLOAD-100PSF JAMB ONLY ATTACHMENT
MAX. SHIP SECTION - 96.000" W X 60.000" H

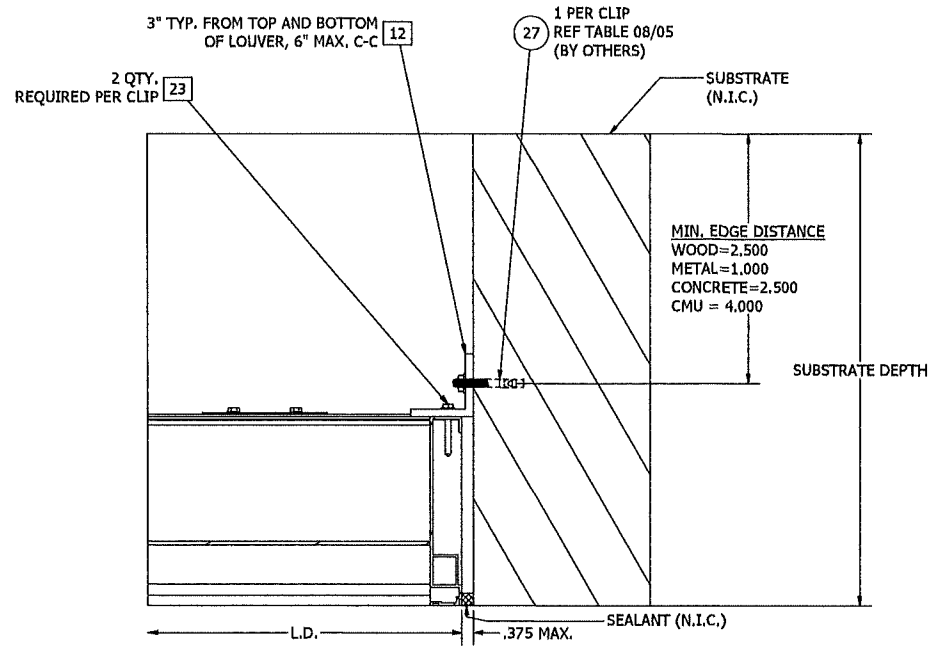
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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT	6375DC					
TITLE	ASSEMBLY "A" - MULTI SECTION ASSEMBLY - 100PSF (JAMB ONLY ATTACHMENT)					
SIZE	D	DWG NO.	60-022283-00B			
SCALE	NONE	INVENTOR	SHEET 3 OF 32			

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

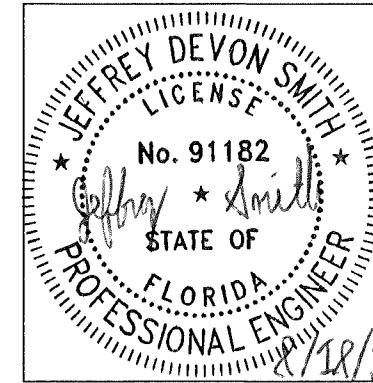
100PSF WINDLOAD - JAMB ONLY ATTACHMENT



DETAIL C
LOUVER HVBS SUPPORT ATTACHMENT AT HEAD (SILL SIMILAR)

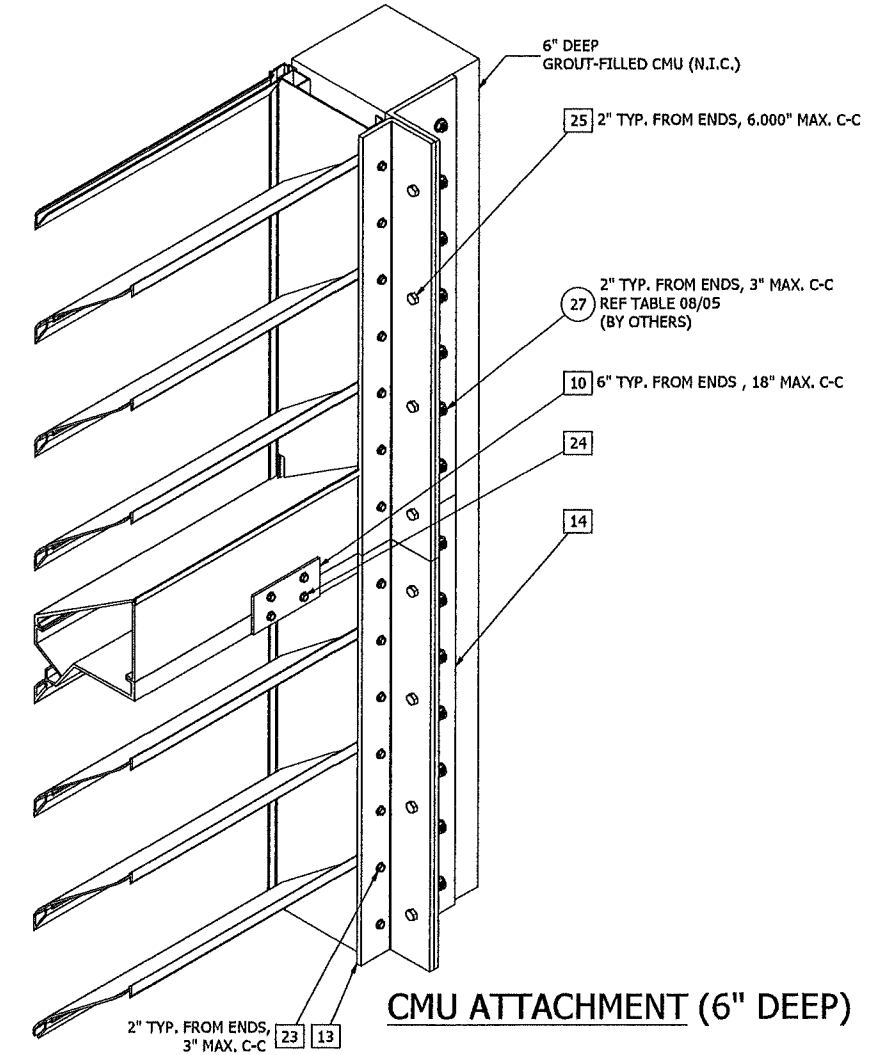


DETAIL D
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME

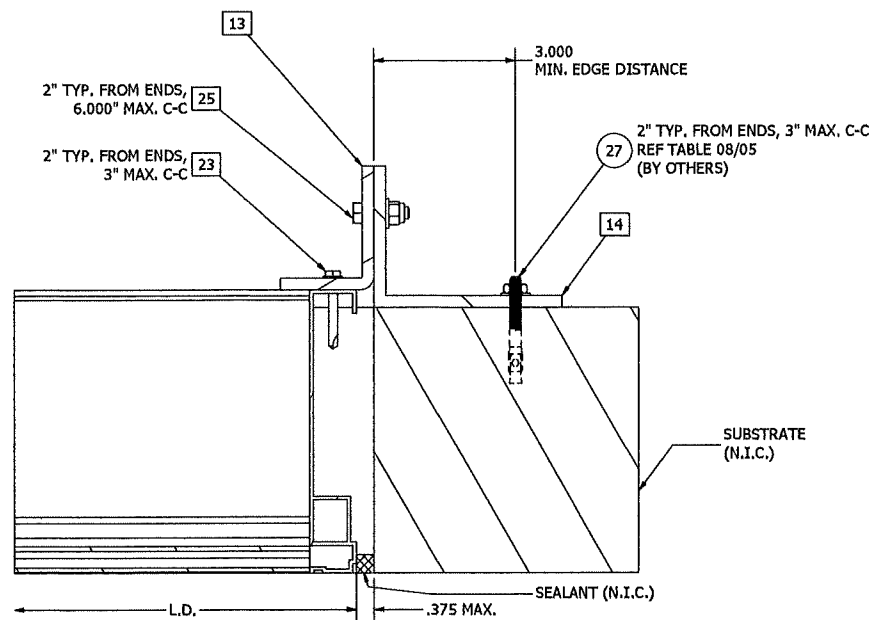


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NO. 91182

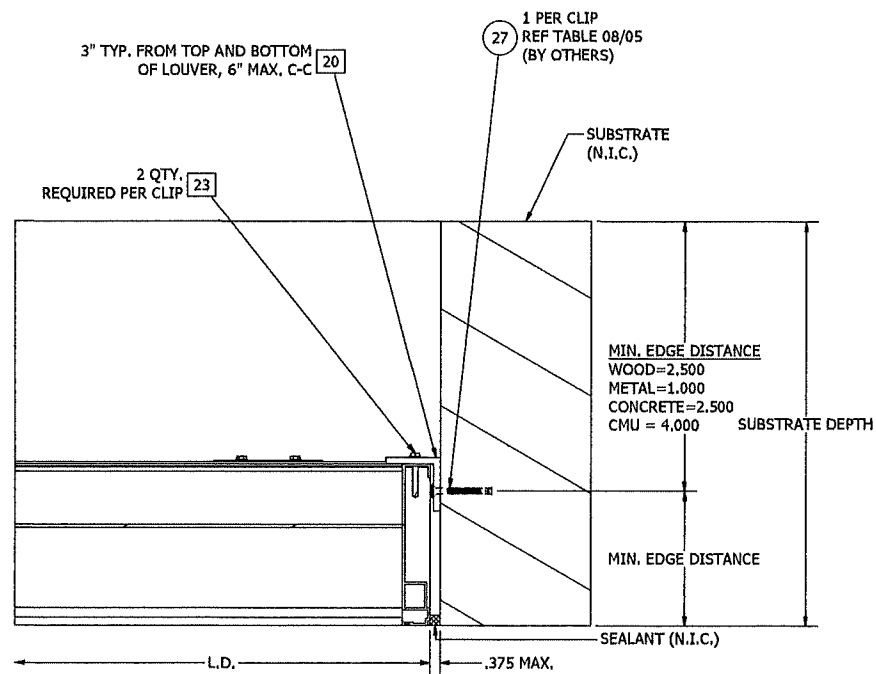
PRODUCT REVISED
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CMU ATTACHMENT (6" DEEP)



DETAIL E
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME
(GROUT-FILLED CMU, 6" CMU ONLY)

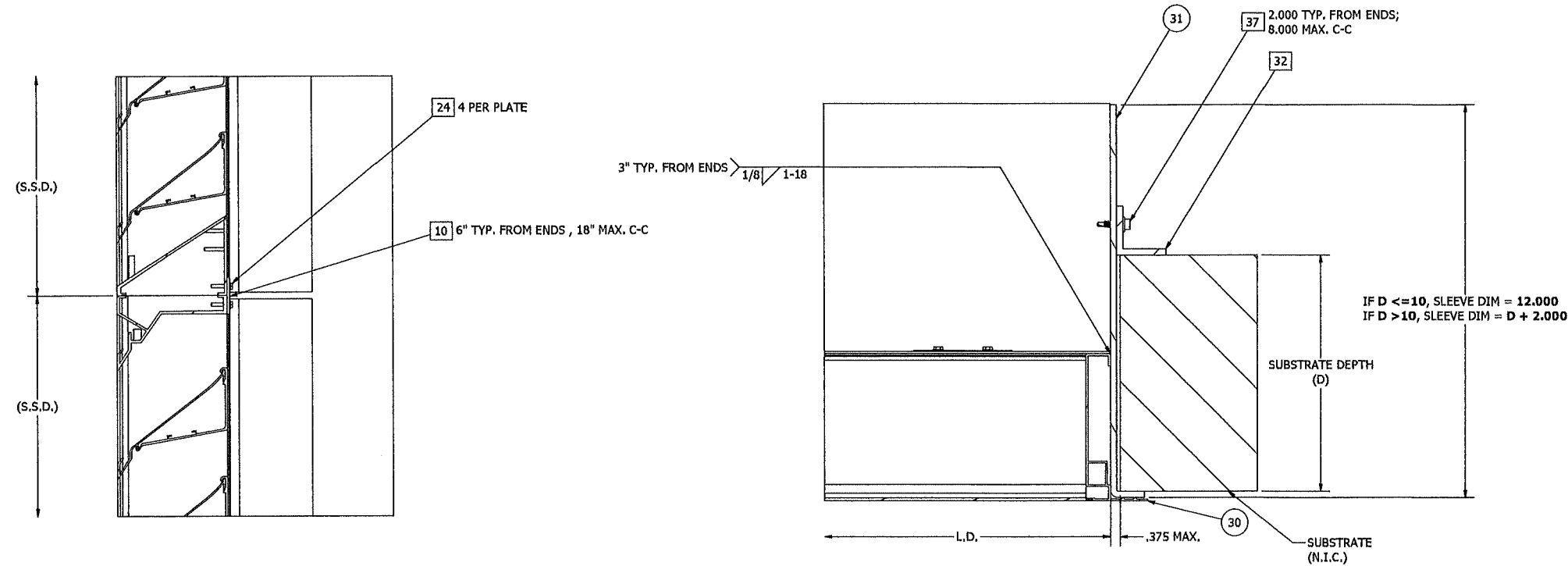


DETAIL F
ALTERNATE ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME
IN REVERSE DIRECTION (ALTERNATE CONNECTION)

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	PRODUCT	6375DC				
	TITLE	ASSEMBLY "A" - INSTALLATION DETAILS				
	SIZE	D	DWG NO	60-022283-00B	REV	E
	SCALE	NONE	INVENTOR	SHEET 4 OF 32		

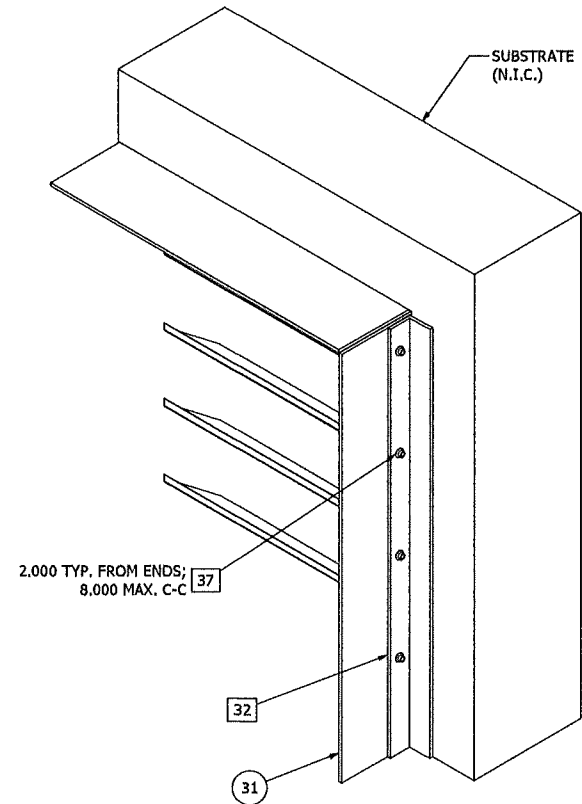
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

100PSF WINDLOAD - JAMB ONLY ATTACHMENT



DETAIL G
HORIZONTAL MULLION CONNECTION DETAIL
(BOLT ATTACHING HEAD/SILL FRAME TO HVBS IS HIDDEN FOR CLARITY)

DETAIL H
UNIVERSAL SLEEVE WELDMENT/CONNECTION DETAIL
JAMBS



UNIVERSAL SLEEVE ATTACHMENT

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE (STANDARD/REVERSE)
WOOD	SPECIFIC GRAVITY = 0.4	1/4" Ø BOLT, A307 WASHER & LOCKNUT	NA	2 1/2"
STEEL & ALUMINUM	STEEL - MIN. 14 GA ALUM. - MIN. 1/8" THICK	1/4" Ø A307 BOLT OR TEK SCREW	NA	1"
CONCRETE	3000 PSI MIN. COMPRESSIVE STRENGTH (UNCRACKED)	1/4" Ø X 2 1/4" HILTI KWIK CON + W/ WASHER**	1 3/4"	2 1/2"
GROUT FILLED CMU (SINGLE ANGLE)	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH. (UNCRACKED)	1/4" Ø X 2 1/2" HILTI KWIK HUS EZ W/ WASHER **	1 5/8"	4"
GROUT FILLED CMU (DOUBLE ANGLE)	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH. (UNCRACKED)	1/4" Ø X 1 1/4" HILTI KWIK CON + **	1"	3"

NOTES:
- DOUBLE ANGLE SHOULD BE USED IF MIN. WALL DEPTHS FOR STANDARD & REVERSE ANGLE IS NOT MET.
- ** COUNTERSUNK VARIANT MAY BE USED FOR ONLY KWIK HUS EZ & HILTI KWIK CON +. ALSO, WASHERS ARE NOT NEEDED FOR COUNTERSUNK VARIANTS.

JEFFREY DEVON SMITH
LICENSE
No. 91182
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/18/25

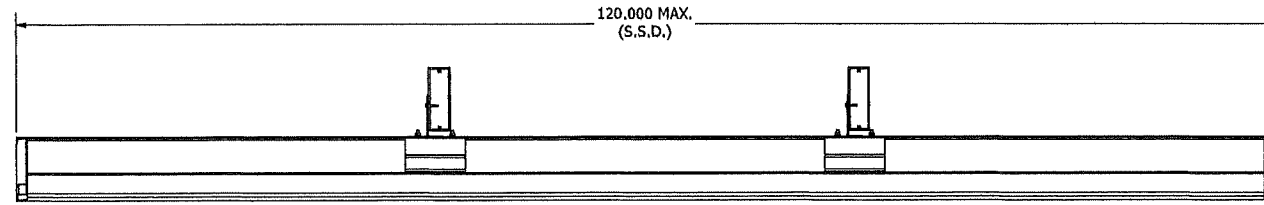
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 25-0929.01
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JEFFREY DEVON SMITH, P.E.
NO. 91182

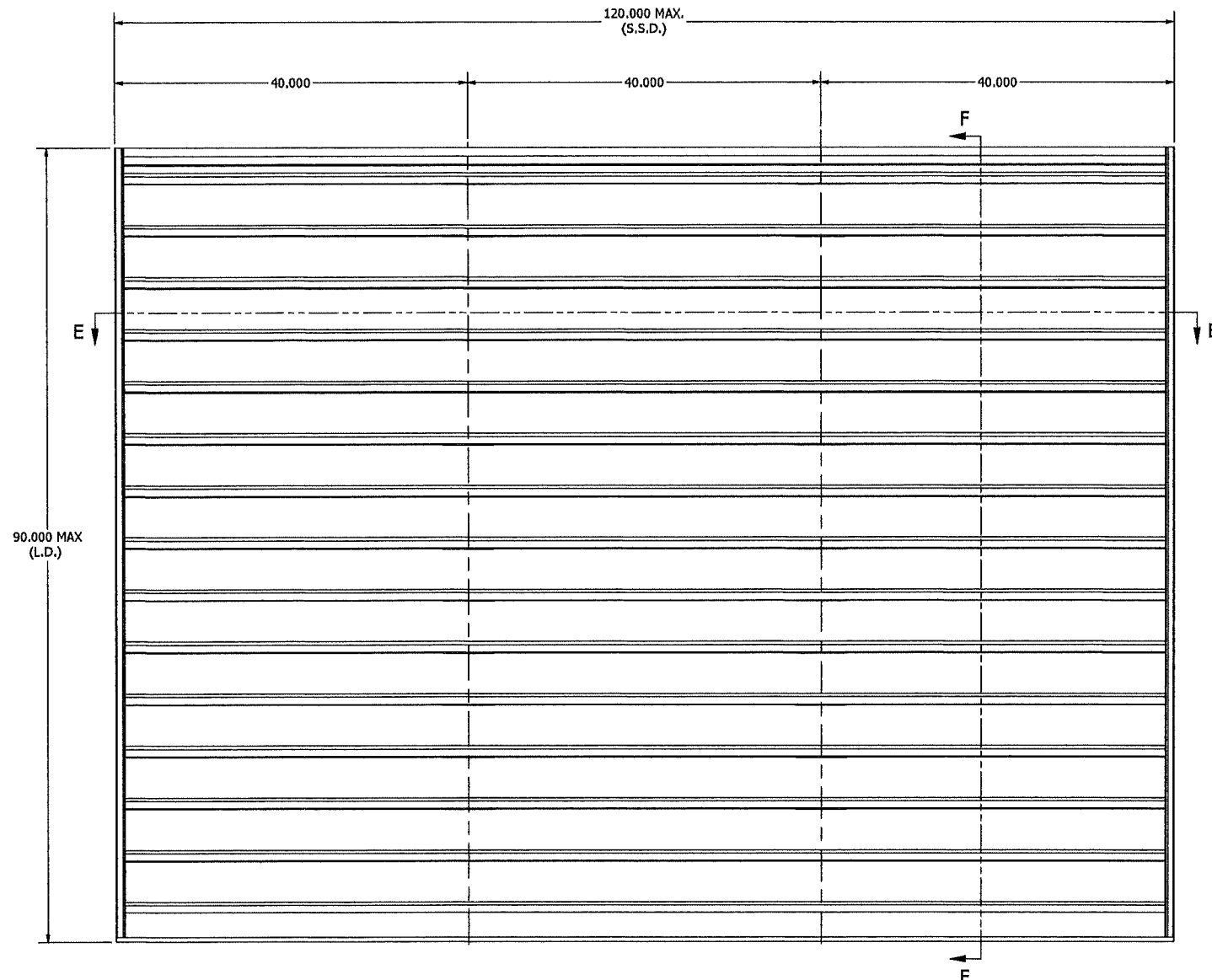
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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	PRODUCT	6375DC				
	TITLE	ASSEMBLY "A" - UNIVERSAL SLEEVE INSTALL & WALL FASTENER TABLE				
	SIZE	D	DWG NO.	60-022283-00B		
	SCALE	NONE	INVENTOR	SHEET 5 OF 32		

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER W1Q-007

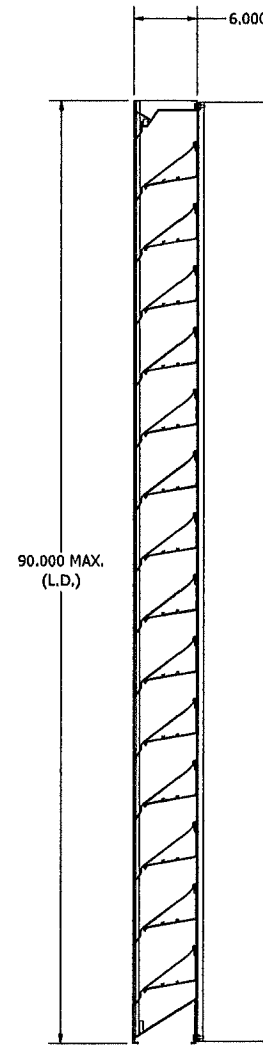
100PSF WINDLOAD - PERIMETER ATTACHMENT



SECTION E-E

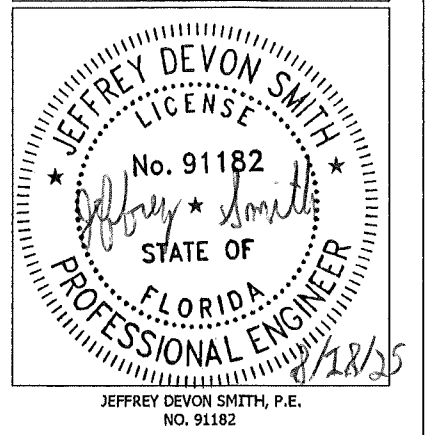


ASSEMBLY "B" - SINGLE SECTION VIEW-FOR WINDLOAD-100PSF PERIMETER ATTACHMENT
MAX. SHIP SECTION - 120.000" W X 90.000" H



SECTION F-F

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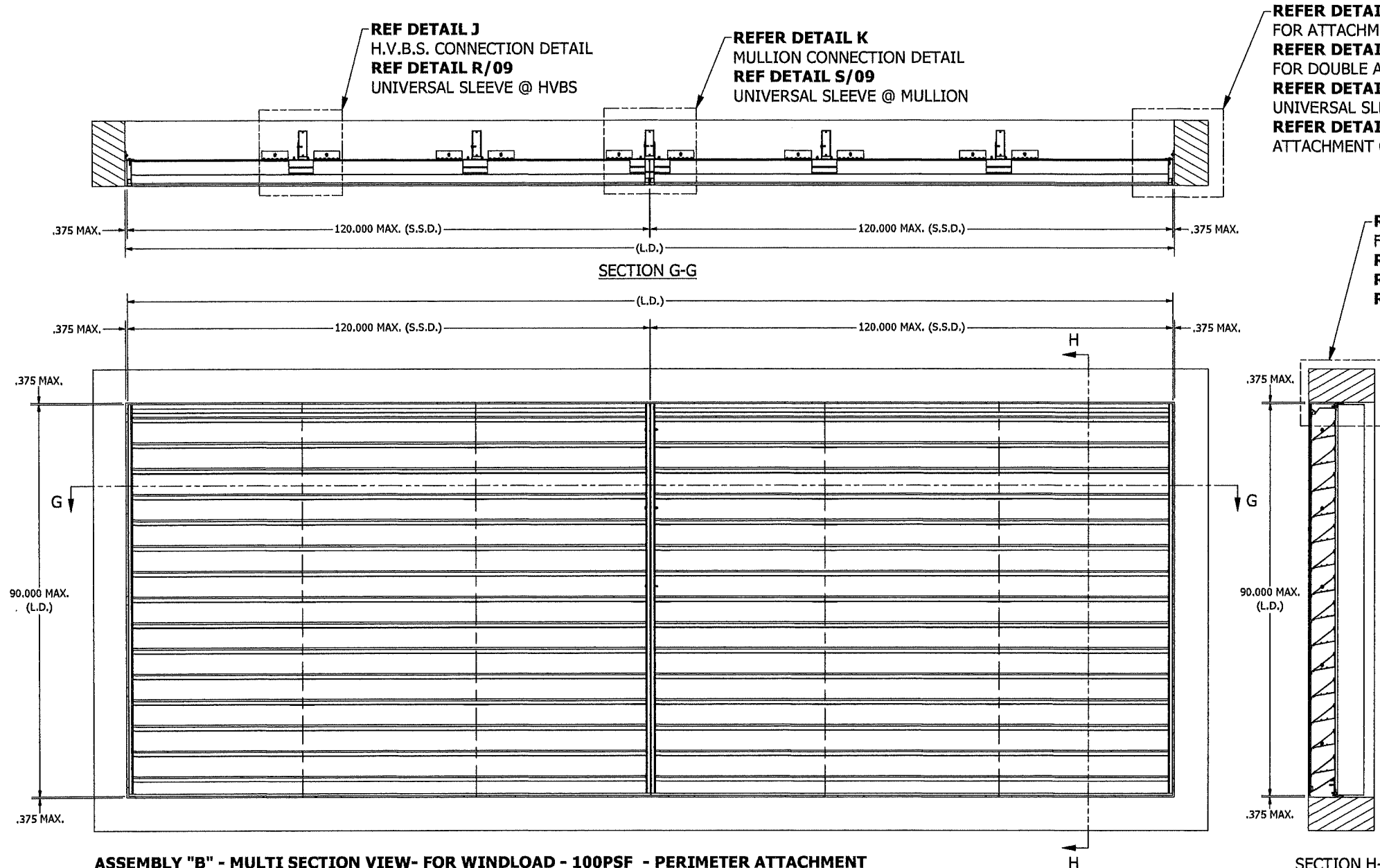
NOTE :

THIS LOUVER SYSTEM IS APPROVED FOR PERIMETER ATTACHMENT AND APPLICATION WITH DESIGN PRESSURE +/-100PSF , MAXIMUM SINGLE SECTION SIZE IS 120"WIDE X 90"HIGH, UNLIMITED WIDTH X 90" HIGH

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL		PRODUCT		TITLE		REV
		6375DC		ASSEMBLY "B" - BASIC ASSEMBLY - 100PSF (PERIMETER ATTACHMENT)		E
SCALE		NONE		DWG NO.		
ECH XXXXX				60-022283-00B		
		INVENTOR		SHEET 6 OF 32		

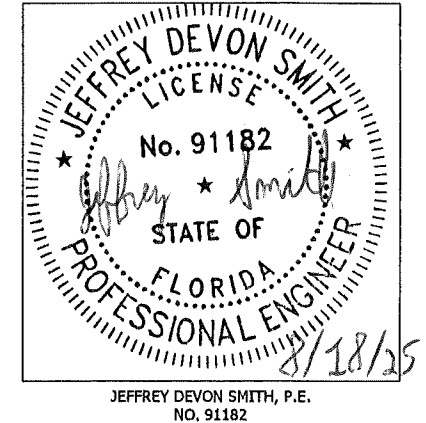
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WJQ-007

100PSF WINDLOAD - PERIMETER ATTACHMENT

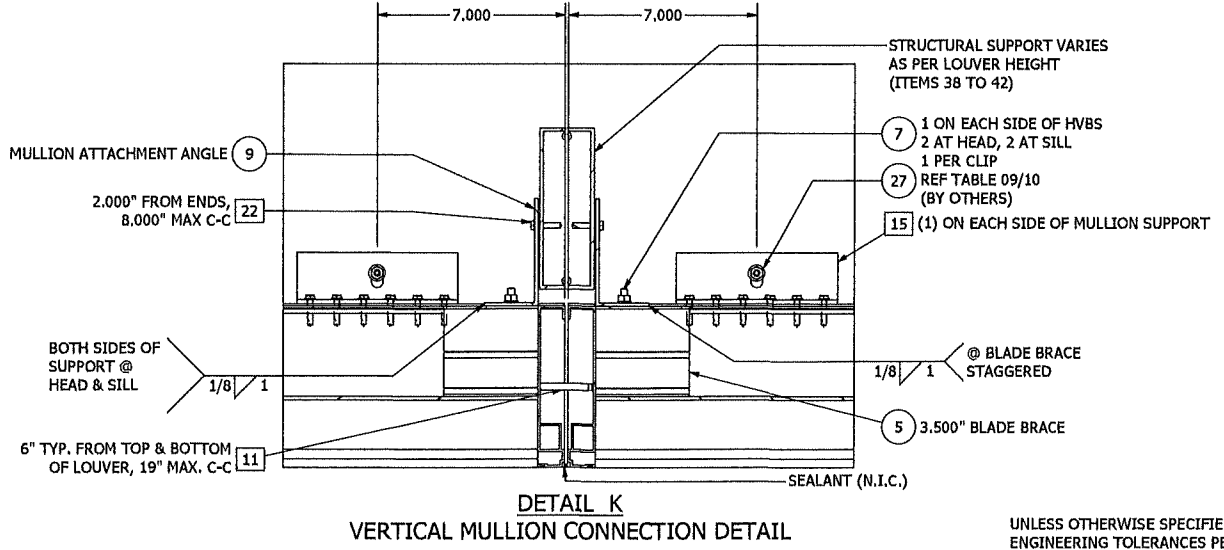
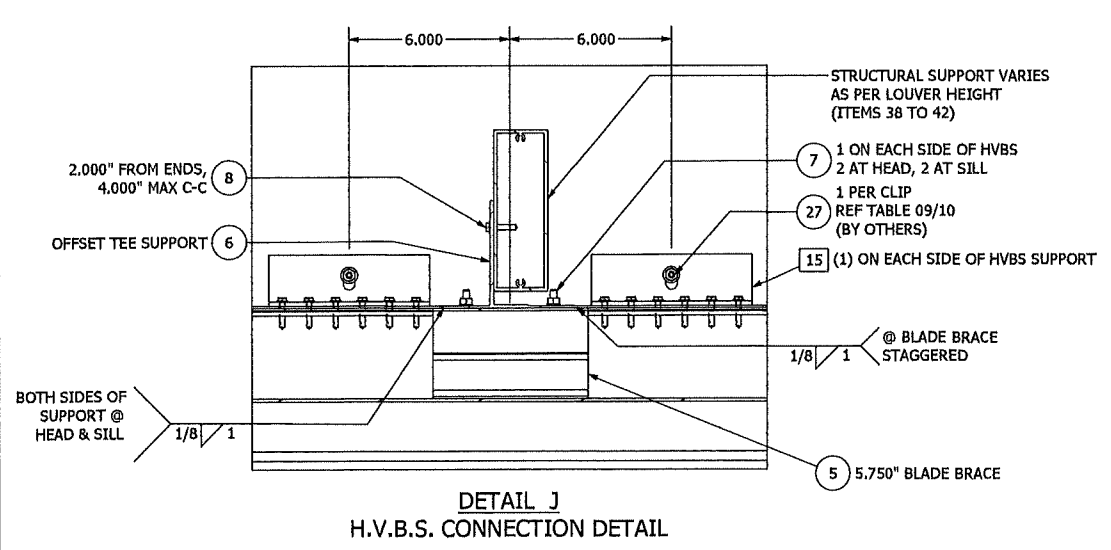


- REFER DETAIL J**
H.V.B.S. CONNECTION DETAIL
REFER DETAIL R/09
UNIVERSAL SLEEVE @ HVBS
- REFER DETAIL K**
MULLION CONNECTION DETAIL
REFER DETAIL S/09
UNIVERSAL SLEEVE @ MULLION
- REFER DETAIL L/08**
FOR ATTACHMENT CLIP ANGLE INSTALLATION @ JAMBS (WOOD/METAL/CONCRETE/12" CMU)
- REFER DETAIL M/08**
FOR DOUBLE ANGLE INSTALLATION (6" CMU)
- REFER DETAIL T/10**
UNIVERSAL SLEEVE @ JAMBS
- REFER DETAIL U/10**
ATTACHMENT CLIP ANGLE ALTERNATE INSTALLATION (8", 10" CMU, WOOD, METAL, CONCRETE)
- REFER DETAIL N/08**
FOR ATTACHMENT CLIP ANGLE INSTALLATION @ HEAD (WOOD/METAL/CONCRETE)
- REFER DETAIL P/08** (CMU)
- REFER DETAIL Q/09** (UNIVERSAL SLEEVE CONNECTION)
- REFER DETAIL V/10** (ATTACHMENT CLIP ANGLE ALTERNATE INSTALLATION)

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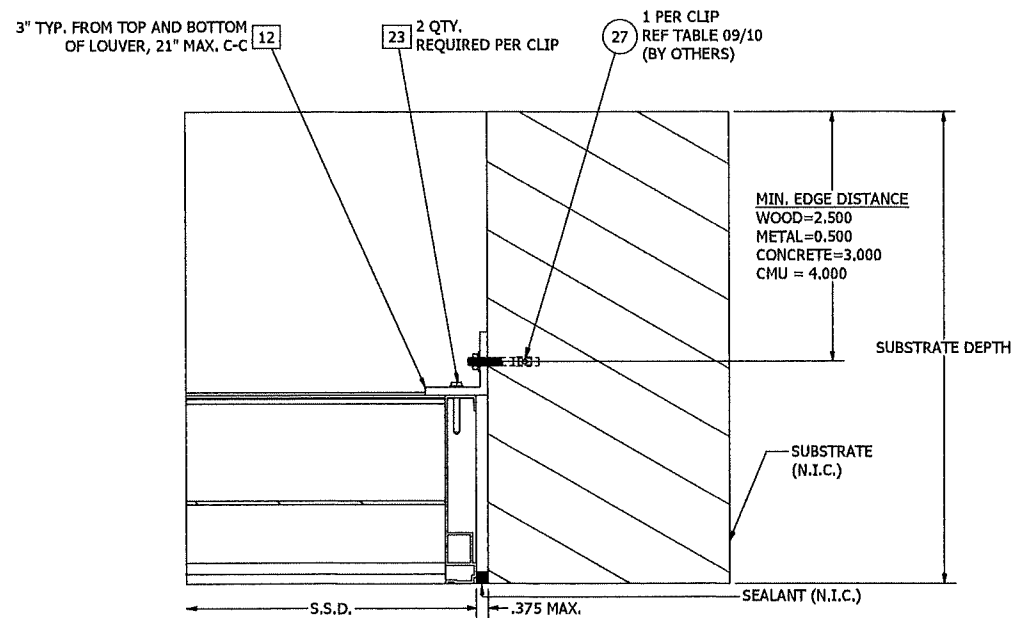
ASSEMBLY "B" - MULTI SECTION VIEW- FOR WINDLOAD - 100PSF - PERIMETER ATTACHMENT
MAX. SHIP SECTION - 120.000" W X 90.000" H



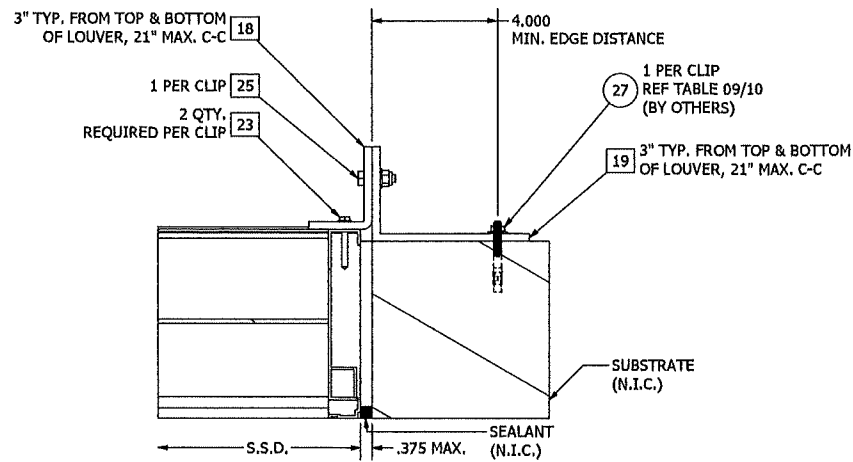
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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
PRODUCT		6375DC				
TITLE		ASSY "B" - MULTI SECTION ASSEMBLY & DETAILS - 100 PSF (PERIMETER ATTACHMENT)				
SIZE		D		DWG NO		REV
SCALE		NONE		INVENTOR		E
EEN		XXXXX		SHEET		7 of 32

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

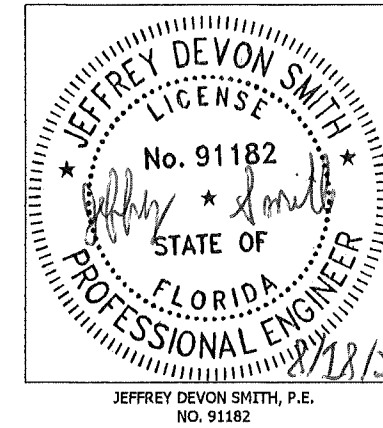
100PSF WINDLOAD - PERIMETER ATTACHMENT



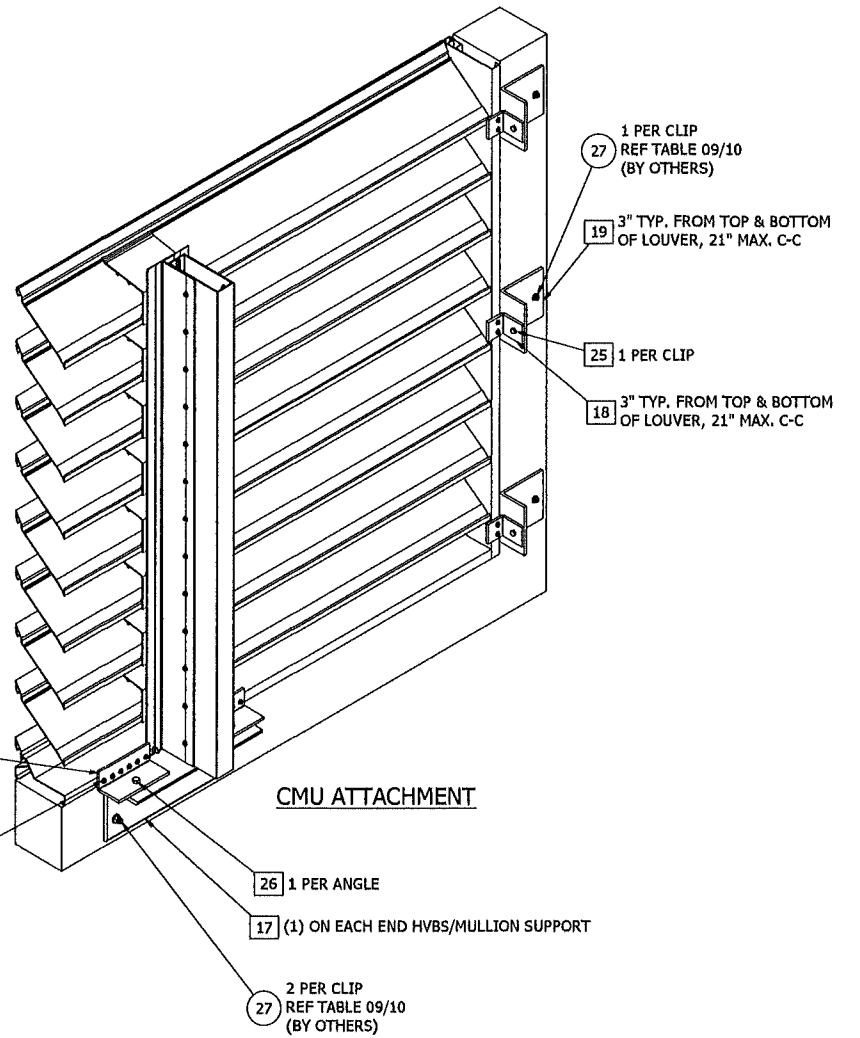
DETAIL L
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME



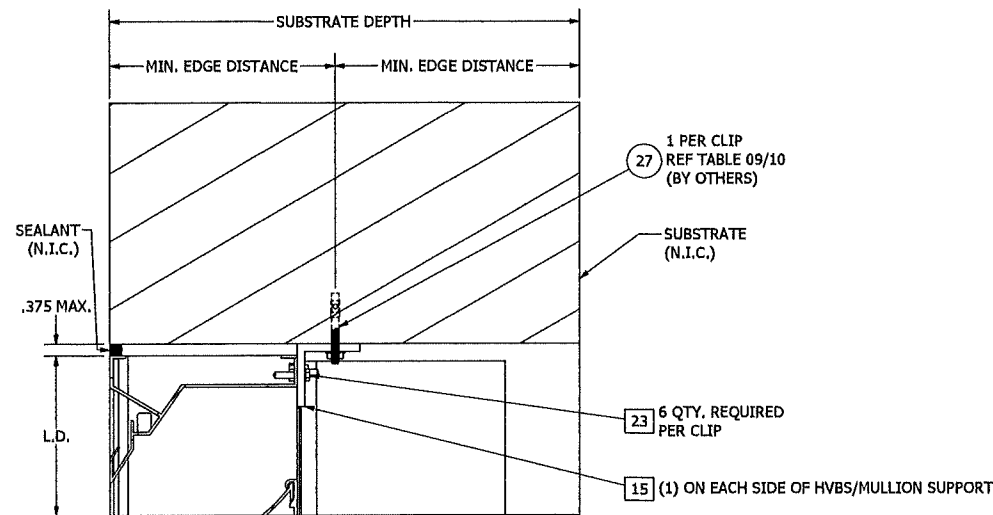
DETAIL M
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME
(GROUT-FILLED CMU)



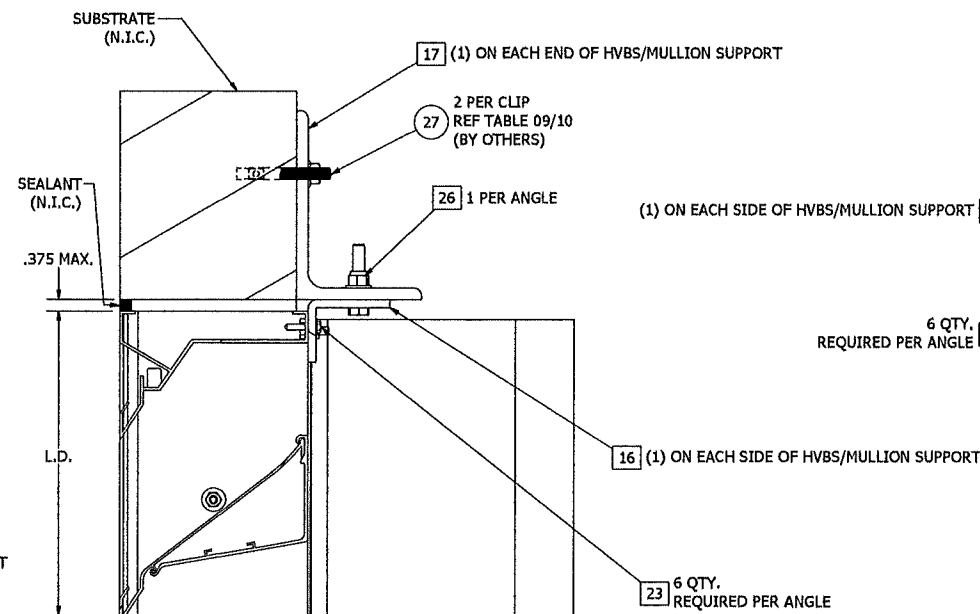
PRODUCT REVISED
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Miami-Dade Product Control



CMU ATTACHMENT



DETAIL N
ATTACHMENT CLIP ANGLE INSTALLATION @ HEAD FRAME (SILL SIMILAR)
(WOOD, METAL & CONCRETE SUBSTRATE ONLY)

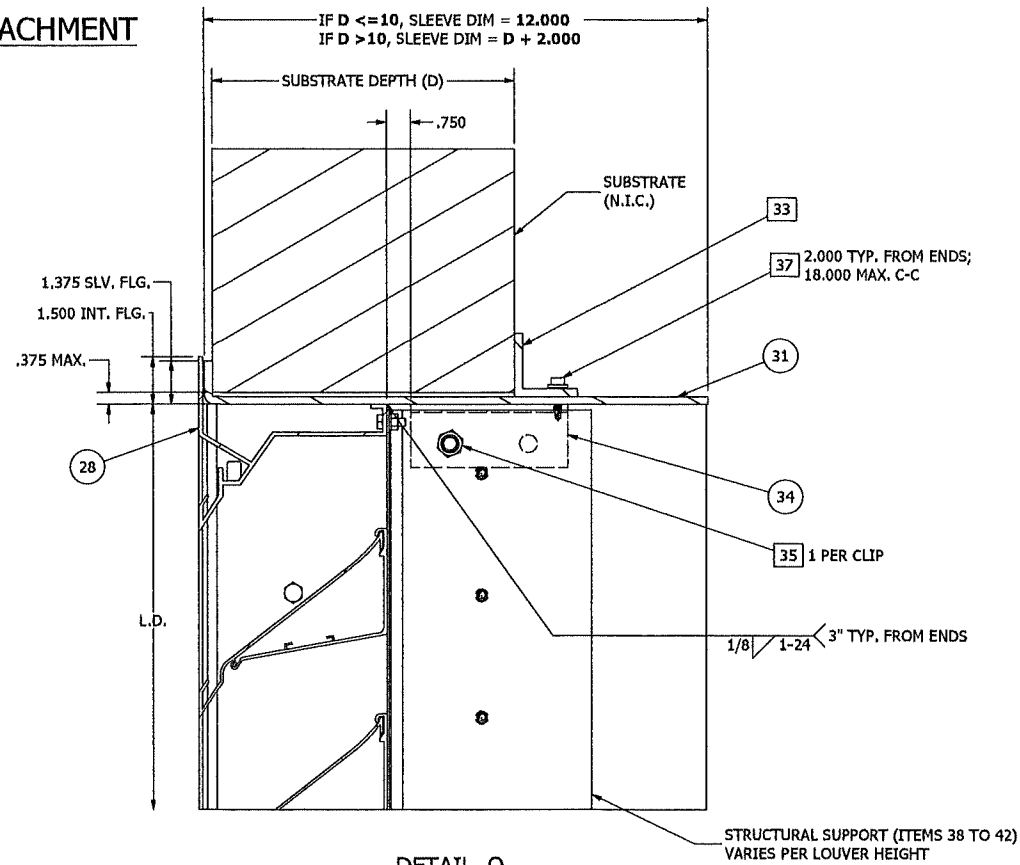


DETAIL P
ATTACHMENT CLIP ANGLE INSTALLATION @ HEAD FRAME (SILL SIMILAR)
(GROUT FILLED CMU)

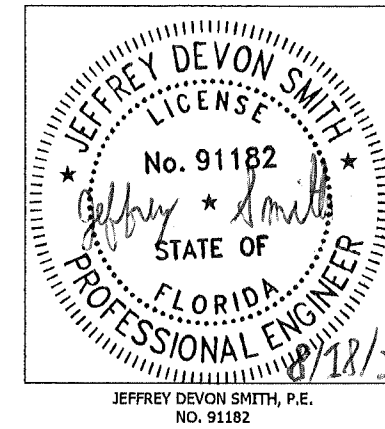
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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	PRODUCT	6375DC				
	TITLE	ASSEMBLY "B" - CMU / NON-CMU INSTALL				
	SIZE	D	DWG NO	60-022283-00B		
	SCALE	NONE	INVENTOR	SHEET 8 of 32		

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

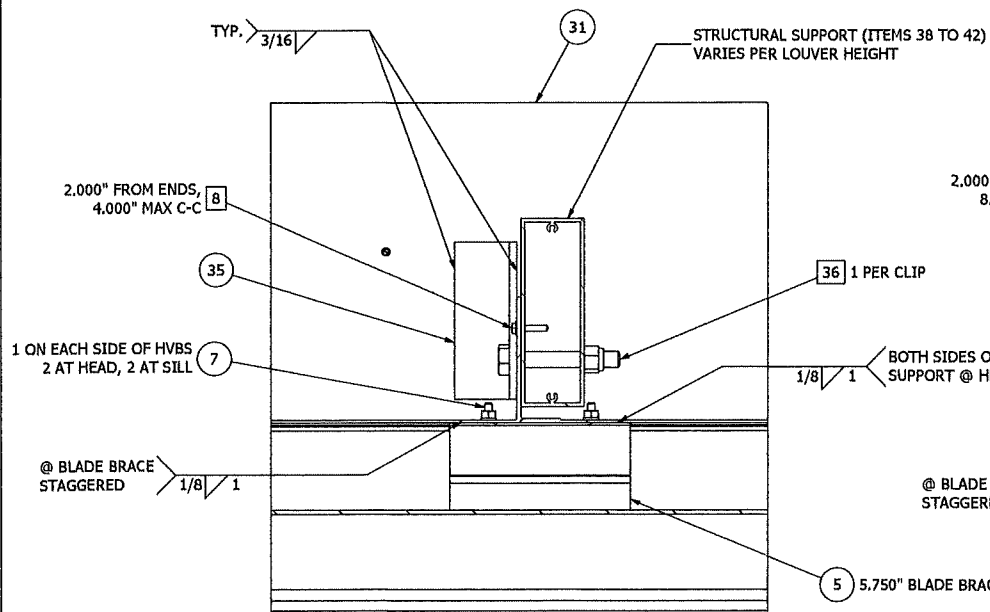
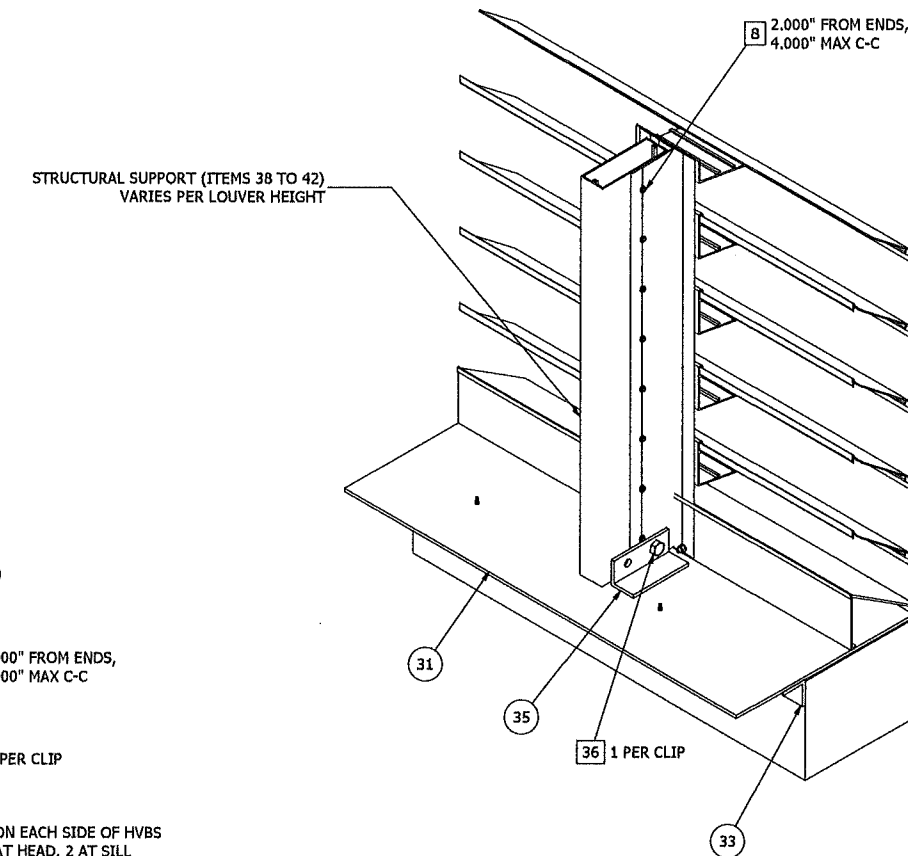
100PSF WINDLOAD - PERIMETER ATTACHMENT



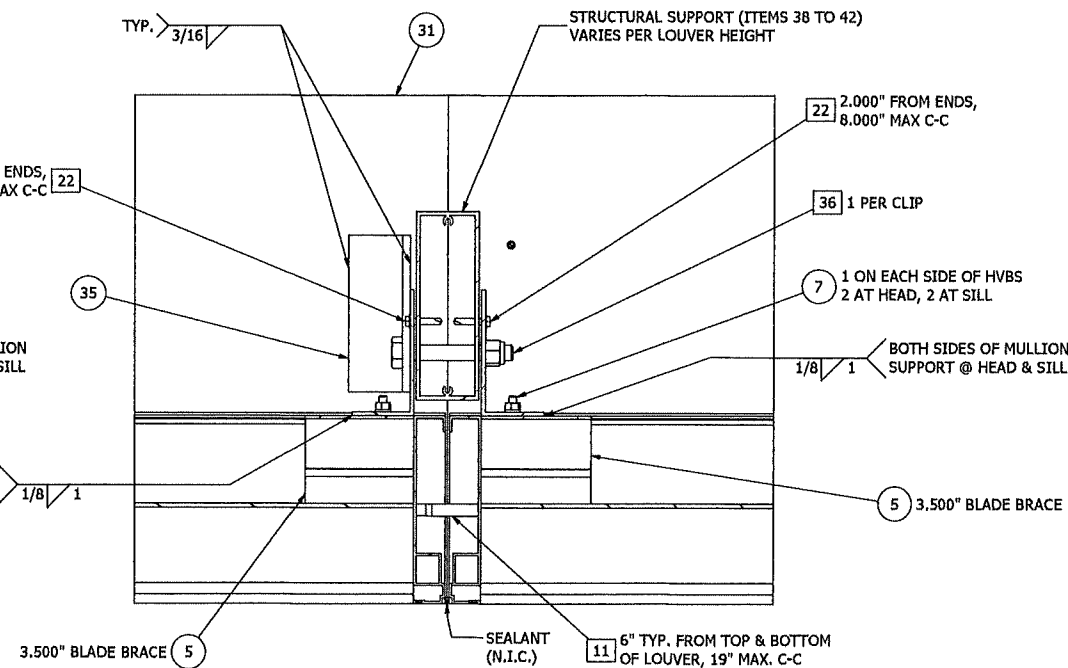
DETAIL Q
UNIVERSAL SLEEVE CONNECTION DETAIL
(HEAD FRAME SHOWN, SILL FRAME SIMILAR)



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DETAIL R
UNIVERSAL SLEEVE SUPPORT ATTACHMENT ANGLE
INSTALLATION DETAIL @ HVBS

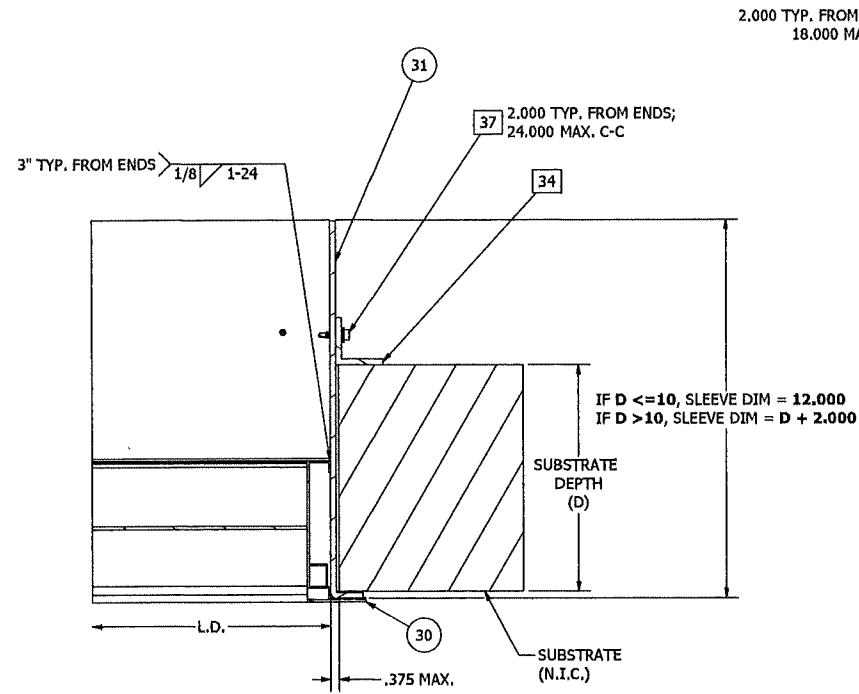


DETAIL S
UNIVERSAL SLEEVE SUPPORT ATTACHMENT ANGLE
INSTALLATION DETAIL @ MULLIONS

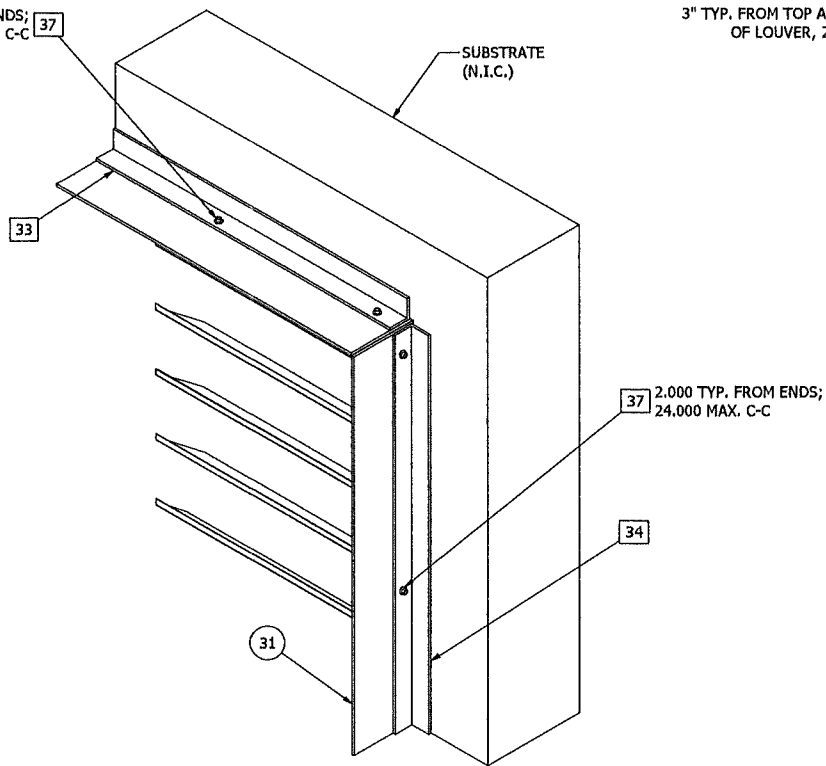
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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
TITLE		6375DC				
ASSEMBLY "B" - UNIVERSAL SLEEVE INSTALL						
SIZE	D	DWG NO	60-022283-00B			REV E
SCALE	NONE	INVENTOR	SHEET 9 of 32			

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

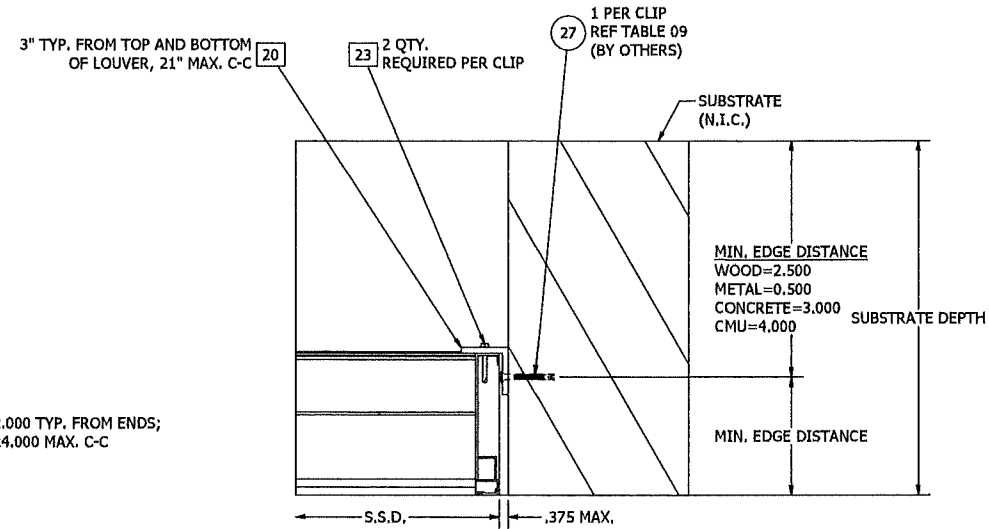
100PSF WINDLOAD - PERIMETER ATTACHMENT



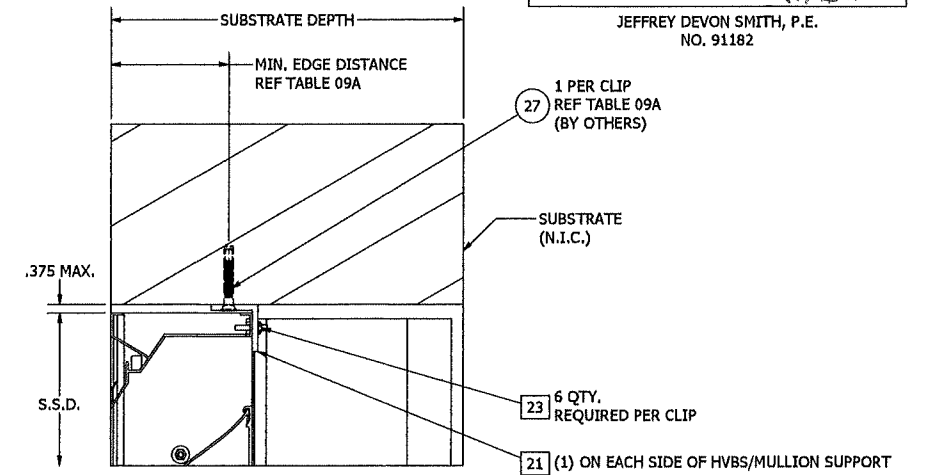
DETAIL T
UNIVERSAL SLEEVE CONNECTION DETAIL @ JAMBS



UNIVERSAL SLEEVE ATTACHMENT

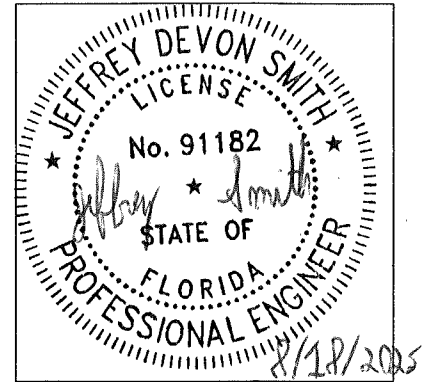


DETAIL U
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME
IN REVERSE DIRECTION (ALTERNATE CONNECTION)



DETAIL V
ATTACHMENT CLIP ANGLE INSTALLATION @ HEAD FRAME
(SILL SIMILAR) (ALTERNATE CONNECTION)
(WOOD, METAL & CONCRETE SUBSTRATE ONLY)

PRODUCT REVISED
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Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control



JEFFREY DEVON SMITH, P.E.
NO. 91182

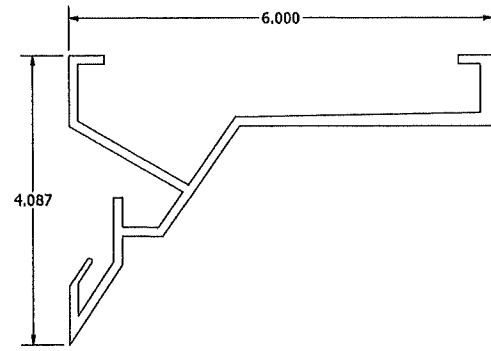
TABLE 09 - 6375DC - WALL FASTENER TABLE (N.I.C.) - FOR PERIMETER ATTACHMENT-100 PSF - ITEM 27

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	LOCATION	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE (STANDARD/REVERSE)
WOOD	SPECIFIC GRAVITY = 0.4	JAMB	1/4" Ø BOLT, WASHER & LOCKNUT	NA	2 1/2"
		HEAD/SILL	3/8" Ø A307 BOLT, WASHER & LOCKNUT	NA	2 1/2"
STEEL & ALUMINUM	STEEL - MIN. 12 GA ALUM. - MIN. 3/16" THICK	JAMB	1/4" Ø A307 BOLT OR TEK SCREW	NA	1/2"
		HEAD/SILL	3/8" Ø A307 BOLT, LOCKNUT & WASHER	NA	3/4"
CONCRETE	3000 MIN. COMPRESSIVE STRENGTH (UNCRACKED)	JAMB	1/4" Ø X 2 1/4" HILTI KWIK BOLT 3 W WASHER**	2"	3"
	4000 MIN. COMPRESSIVE STRENGTH (UNCRACKED)	HEAD/SILL	1/2" Ø HILTI KWIK BOLT 3 EXPANSION ANCHORS	3 1/4"	4"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH. (UNCRACKED)	JAMB (SINGLE ANGLE)	1/4" Ø X 3" HILTI KWIK HUS EZ W/ WASHER**	2 1/2"	4"
		JAMB (DOUBLE ANGLE)	1/4" Ø X 3" HILTI KWIK HUS EZ	2 1/2"	4"
		HEAD/SILL (DOUBLE ANGLE)	3/8" Ø HILTI KWIK HUS EZ SCREW ANCHORS	2 1/2"	4"

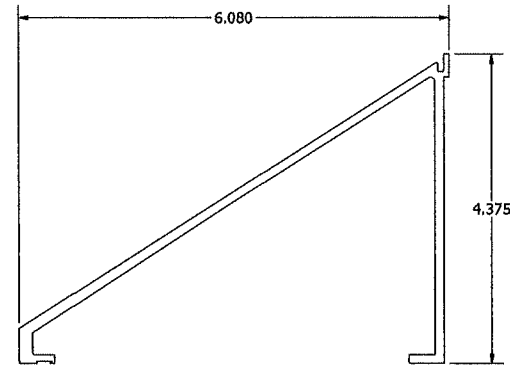
NOTES:
- DOUBLE ANGLE SHOULD BE USED IF MIN. WALL DEPTHS FOR STANDARD & REVERSE ANGLE IS NOT MET.
- ** COUNTERSUNK VARIANT MAY BE USED FOR ONLY KWIK HUS EZ & HILTI KWIK CON II +. ALSO, WASHERS ARE NOT NEEDED FOR COUNTERSUNK VARIANTS.

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	PRODUCT	6375DC				
	TITLE	ASSEMBLY "B" - UNIVERSAL SLEEVE, ALTERNATE CLIP INSTALL & WALL FASTENER TABLE				
	SIZE	D	DWG NO	60-022283-00B		
	ECH	XXXXXX	SCALE	NONE	INVENTOR	SHEET 10 OF 32

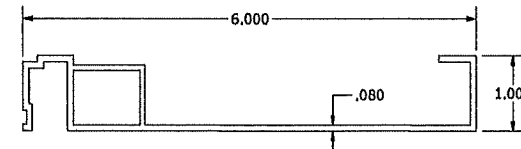
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



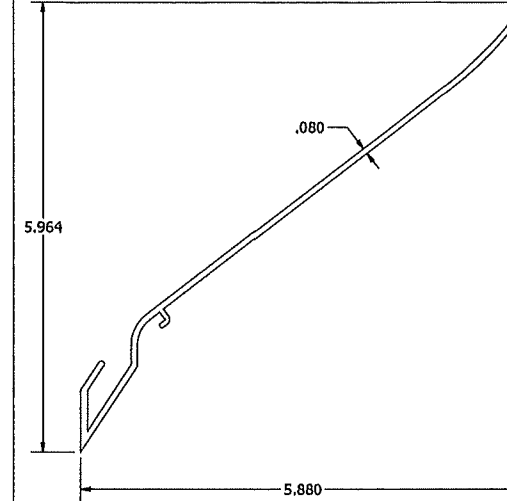
HEAD FRAME ITEM #01 (TABLE-01)
RELIABLE #70-024024-00B



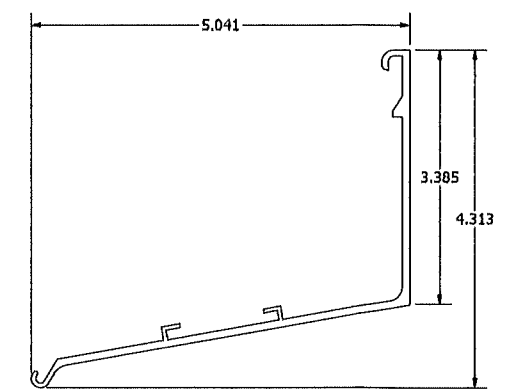
SILL FRAME ITEM #02 (TABLE-01)
RELIABLE #70-024025-00B



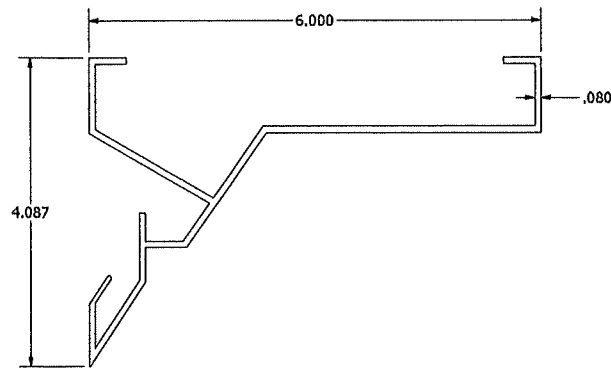
JAMB FRAME ITEM #03
RELIABLE #70-020382-00B



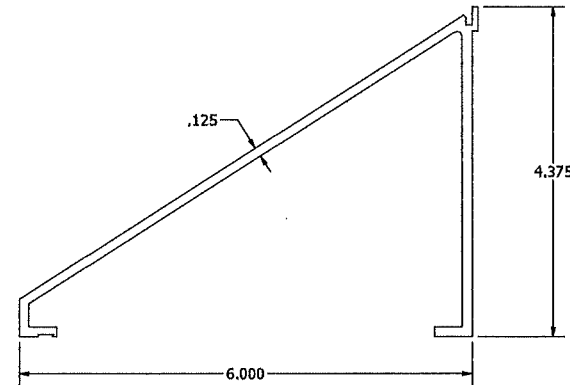
BLADE ITEM #04
RELIABLE #70-020560-00B



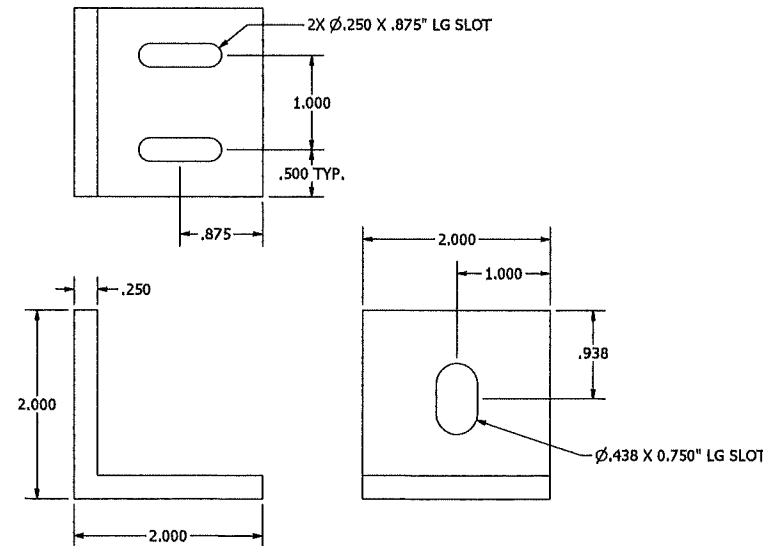
BLADE BRACE ITEM #05
RELIABLE #70-020568-00B



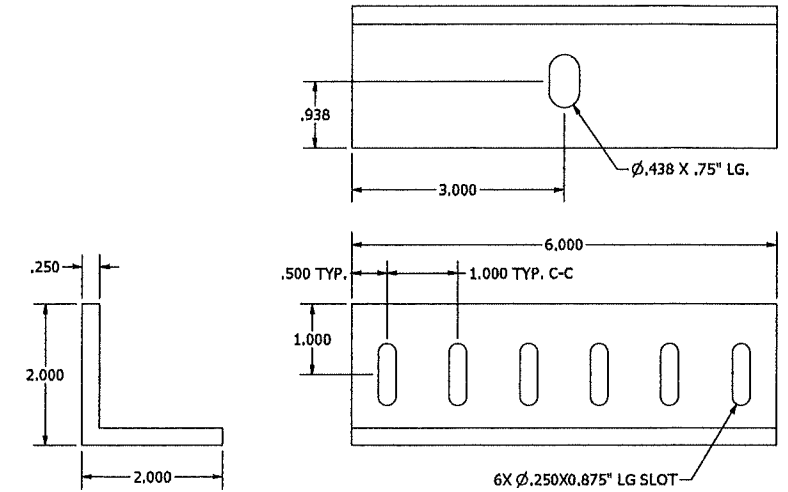
HEAD FRAME ITEM #01 (TABLE-02)
RELIABLE #70-020578-00B



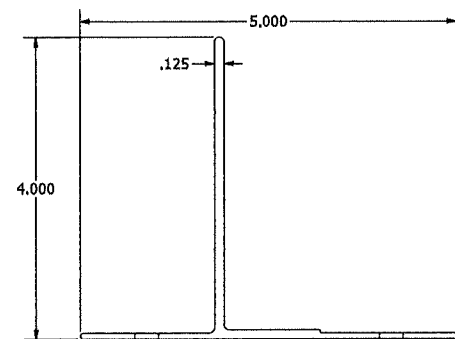
SILL FRAME ITEM #02 (TABLE-02)
RELIABLE #70-021130-00B



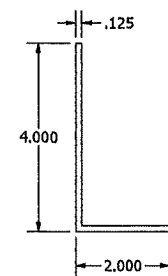
ATTACHMENT CLIP ANGLE ITEM #12
RELIABLE #85-022012-00B
(WOOD/METAL/CONCRETE/12" CMU)



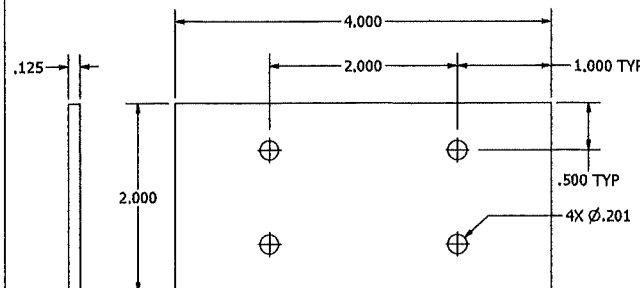
ALTERNATE ATTACHMENT CLIP ANGLE ITEM #15
RELIABLE #85-023260-00B
(WOOD/METAL/CONCRETE)



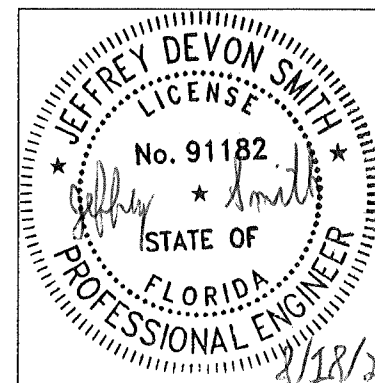
OFFSET TEE SUPPORT FOR BLADE ITEM #06
RELIABLE # 70-024309-00B



MULLION SUPPORT ATTACHMENT ANGLE ITEM#09
RELIABLE #A1139



SPLICE PLATE ITEM #10
RELIABLE # 85-021546-00B

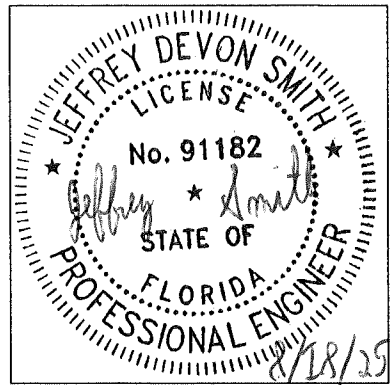
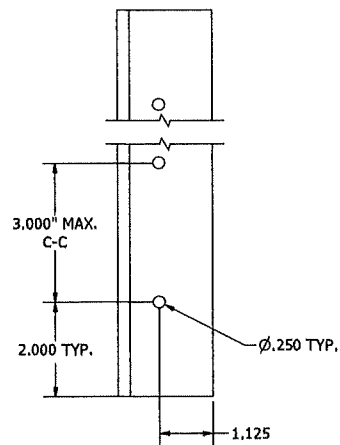


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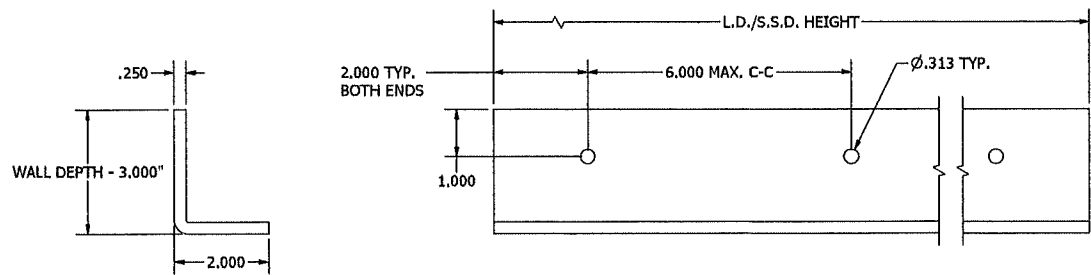
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
CHECKED	DJR 2/17/2012					
APPROVED	DRP 3/23/2012					
APPROVED	DRP 3/23/2012					
MATERIAL		PRODUCT	6375DC			
		TITLE	6375DC - PARTS			
		SIZE	D	DWG NO	60-022283-00B	REV E
		SCALE	NONE	INVENTOR	SHEET 11 OF 32	

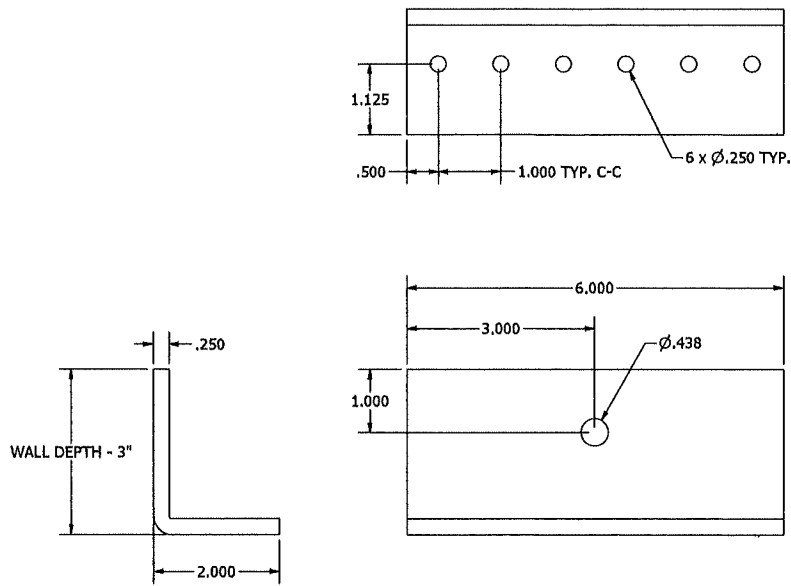
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007



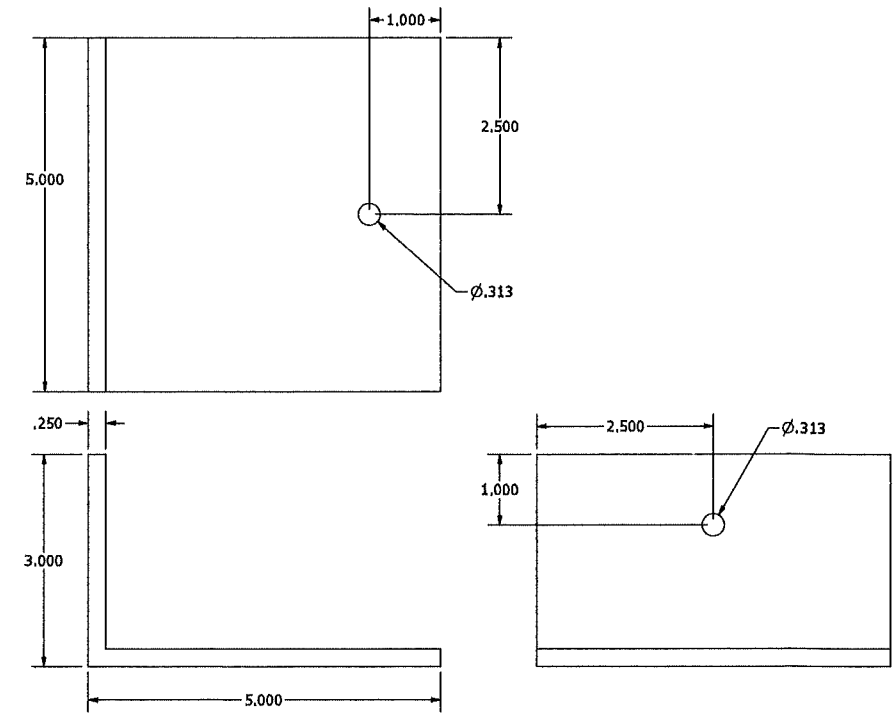
JEFFREY DEVON SMITH, P.E.
NO. 91182



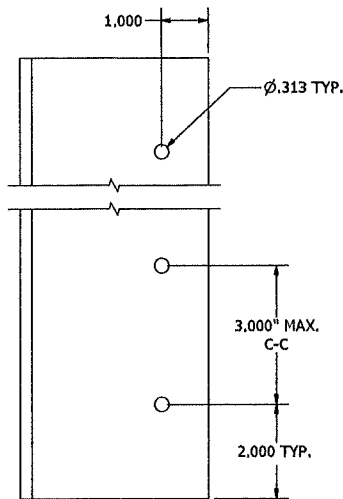
CONT. FORMED ANGLE ITEM #13
RELIABLE #85-023257-00B
(6, 8 & 10 IN GROUT-FILLED CMU)



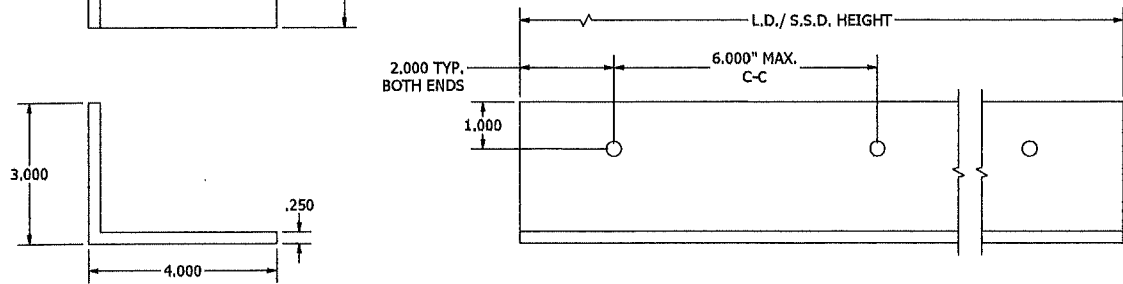
ATTACHMENT CLIP ANGLE - FORMED ITEM #16
RELIABLE #85-023252-00B
(6, 8, 10 & 12 IN GROUT-FILLED CMU)



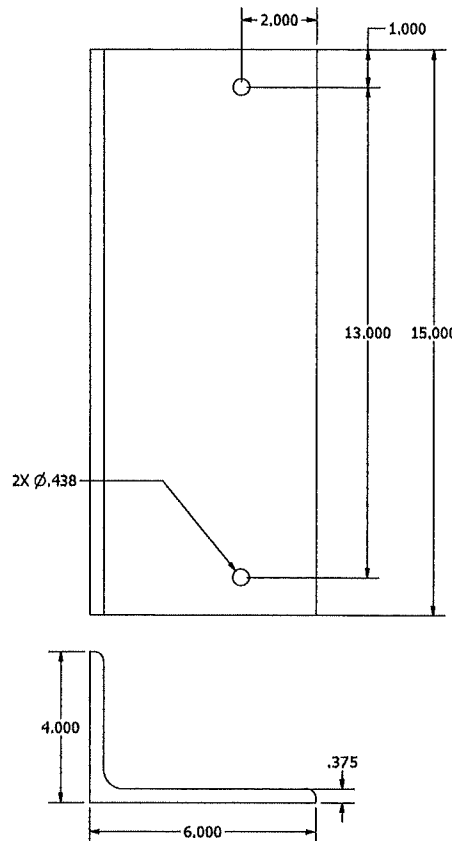
ATTACHMENT ANGLE (CMU) ITEM #19
RELIABLE #85-023253-00B
(6, 8 & 10 IN GROUT-FILLED CMU)



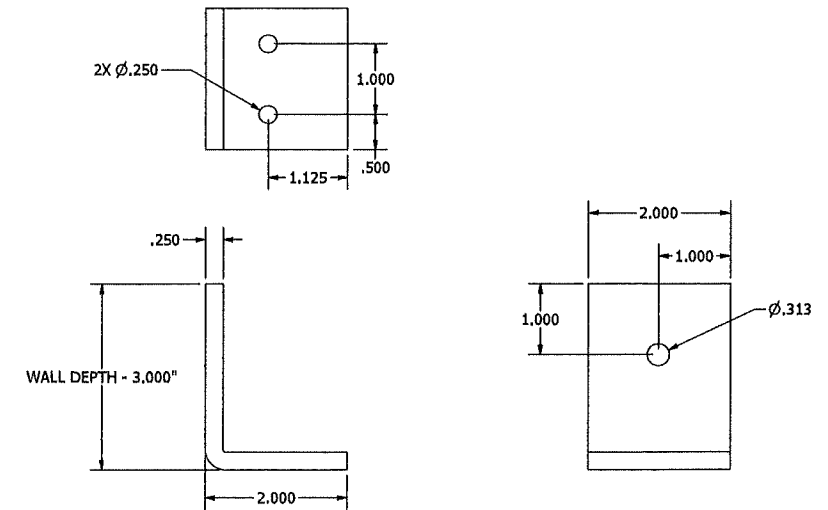
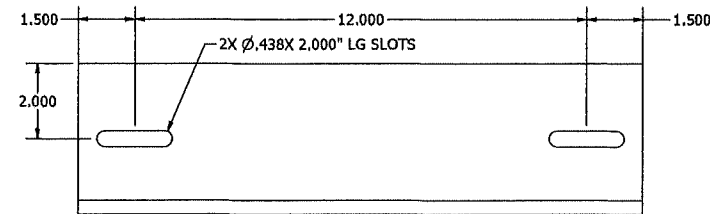
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control



CONT. ATTACHMENT ANGLE ITEM #14
RELIABLE #85-023258-00B



STRUCTURAL ATTACHMENT ANGLE, 15\"/>

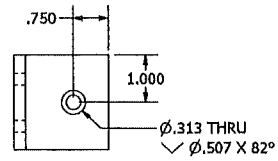


ATTACHMENT CLIP ANGLE - FORMED ITEM #18
RELIABLE #85-023250-00B
(6, 8, 10 IN GROUT-FILLED CMU)

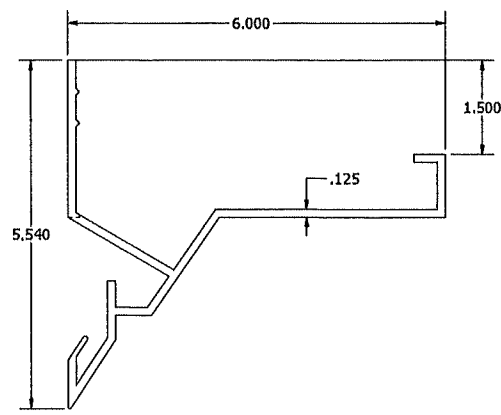
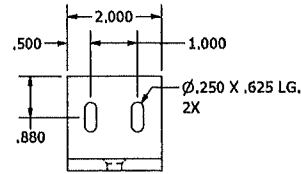
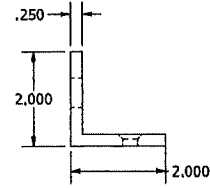
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
TITLE	6375DC					
	6375DC - PARTS - 100PSF					
SCALE	60-022283-00B					REV
ECH	XXXXXX					E
	SCALE	NONE	INVENTOR	SHEET 12 OF 32		

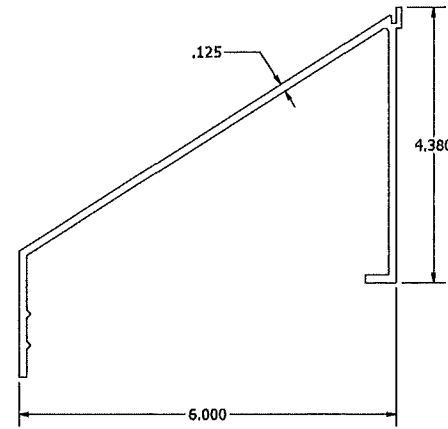
1300 Enterprise Road,
Geneva, Alabama 36340
PROPRIETARY AND
CONFIDENTIAL



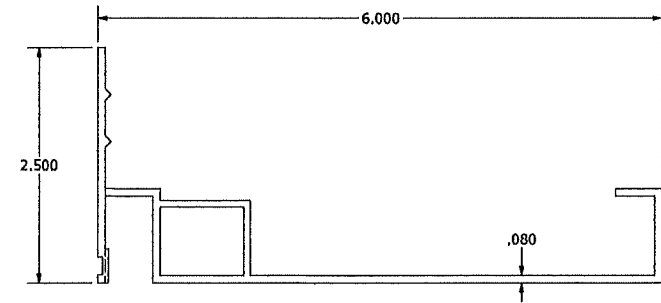
REVERSE CLIP ANGLE - JAMBS ITEM #20
RELIABLE #85-023017-00B



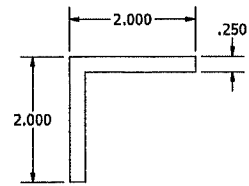
HEAD FRAME W/INTEGRAL FLANGE ITEM #28
RELIABLE #70-020838-00B



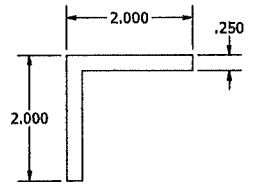
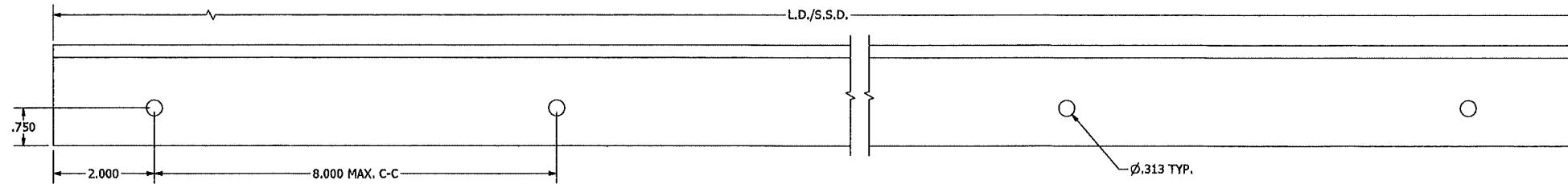
SILL FRAME W/INTEGRAL FLANGE ITEM #29
RELIABLE #70-021129-00B



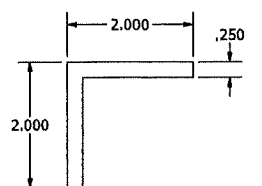
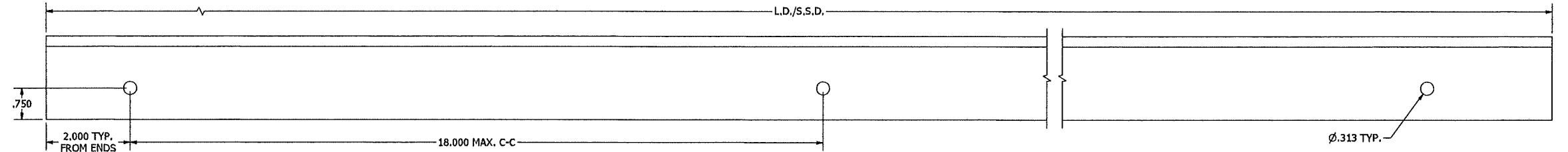
JAMB FRAME W/INTEGRAL FLANGE ITEM #30
RELIABLE #70-020470-00B



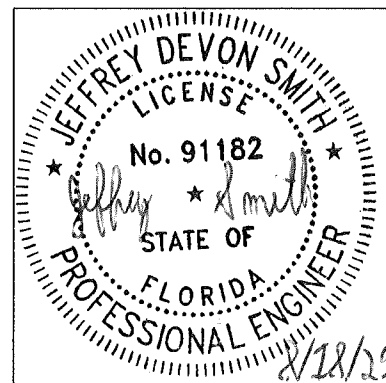
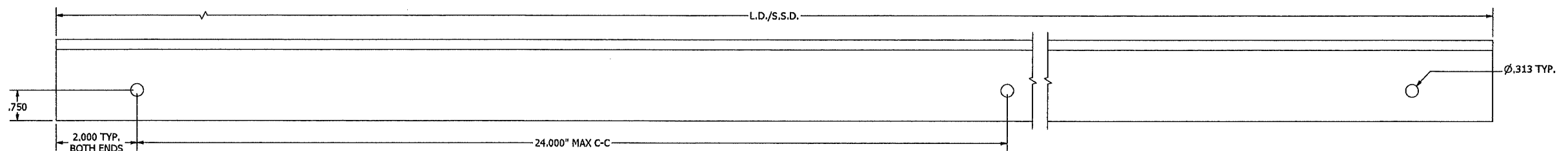
CONT. RETAINING ANGLE ITEM #32
RELIABLE #85-023168-00B



CONT. RETAINING ANGLE ITEM #33
RELIABLE #85-023168-00B



CONT. RETAINING ANGLE ITEM #34
RELIABLE #85-023168-00B

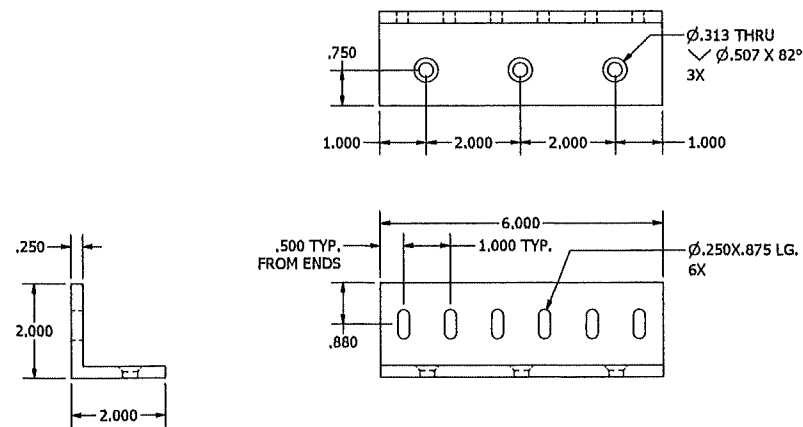


JEFFREY DEVON SMITH, P.E.
NO. 91182

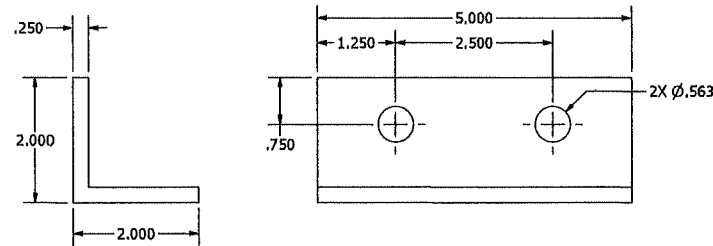
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
TITLE	6375DC - PARTS - 100PSF					
SIZE	D	DWG NO	60-022283-00B			
SCALE	NONE	INVENTOR	SHEET 13 OF 32			

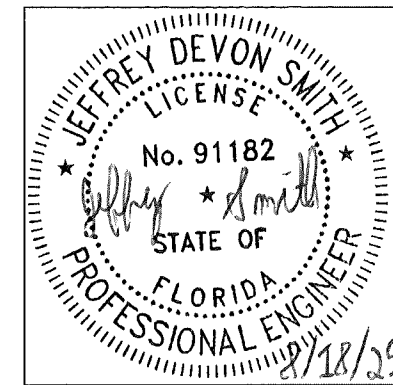
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



ATTACHMENT ANGLE ITEM #21
RELIABLE #TBD

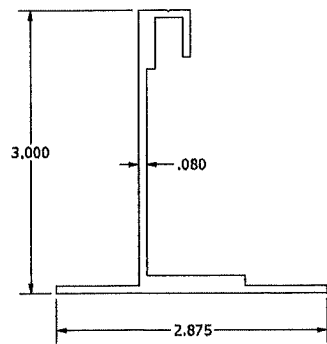


US - SUPPORT ATTACHMENT ANGLE ITEM #35
RELIABLE #85-023256-00B

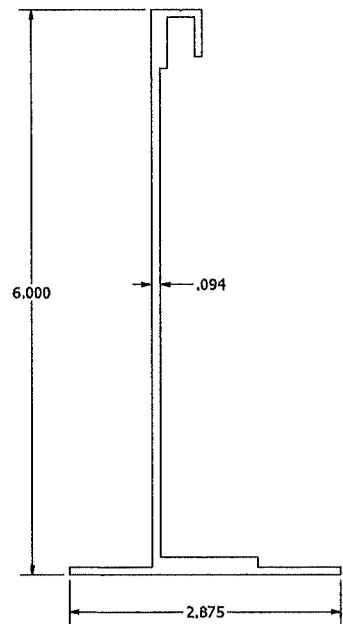


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

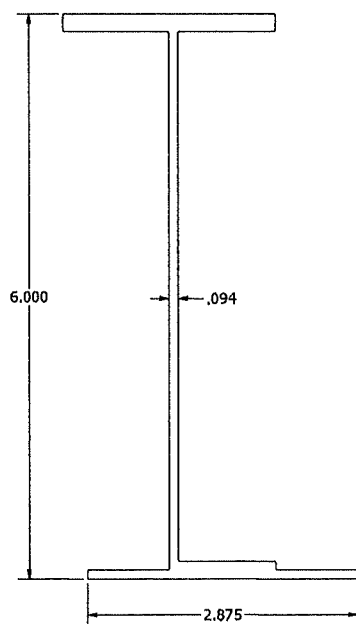
JEFFREY DEVON SMITH, P.E.
NO. 91182



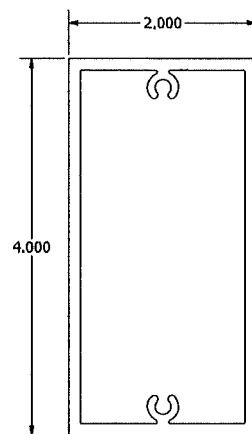
3" DOUBLE FLANGE
ITEM #38



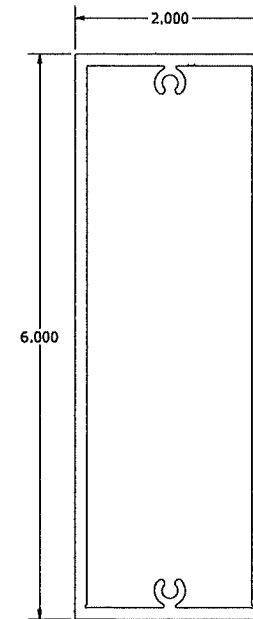
6" DOUBLE FLANGE
ITEM #39



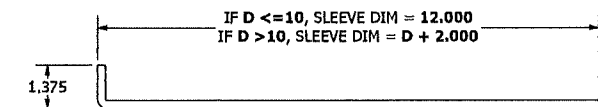
6" I SHAPE
ITEM #40



2 X 4 X 1/8" TUBE SUPPORT
ITEM #41



2 X 6 X 1/8" TUBE SUPPORT
ITEM #42



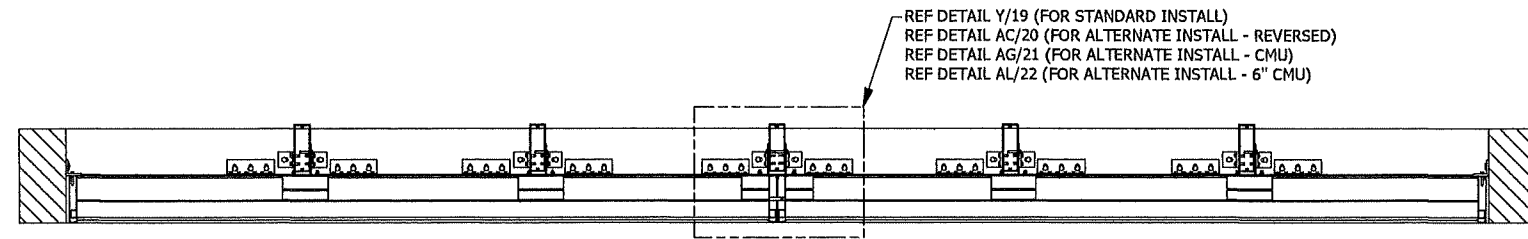
FRONT FLANGE UNIVERSAL SLEEVE
ITEM #31

TABLE 9A - 6375DC - WALL FASTENER TABLE (N.I.C.) - FOR HEAD/SILL COUNTERSUNK ATTACHMENT - 100PSF - ITEM 27

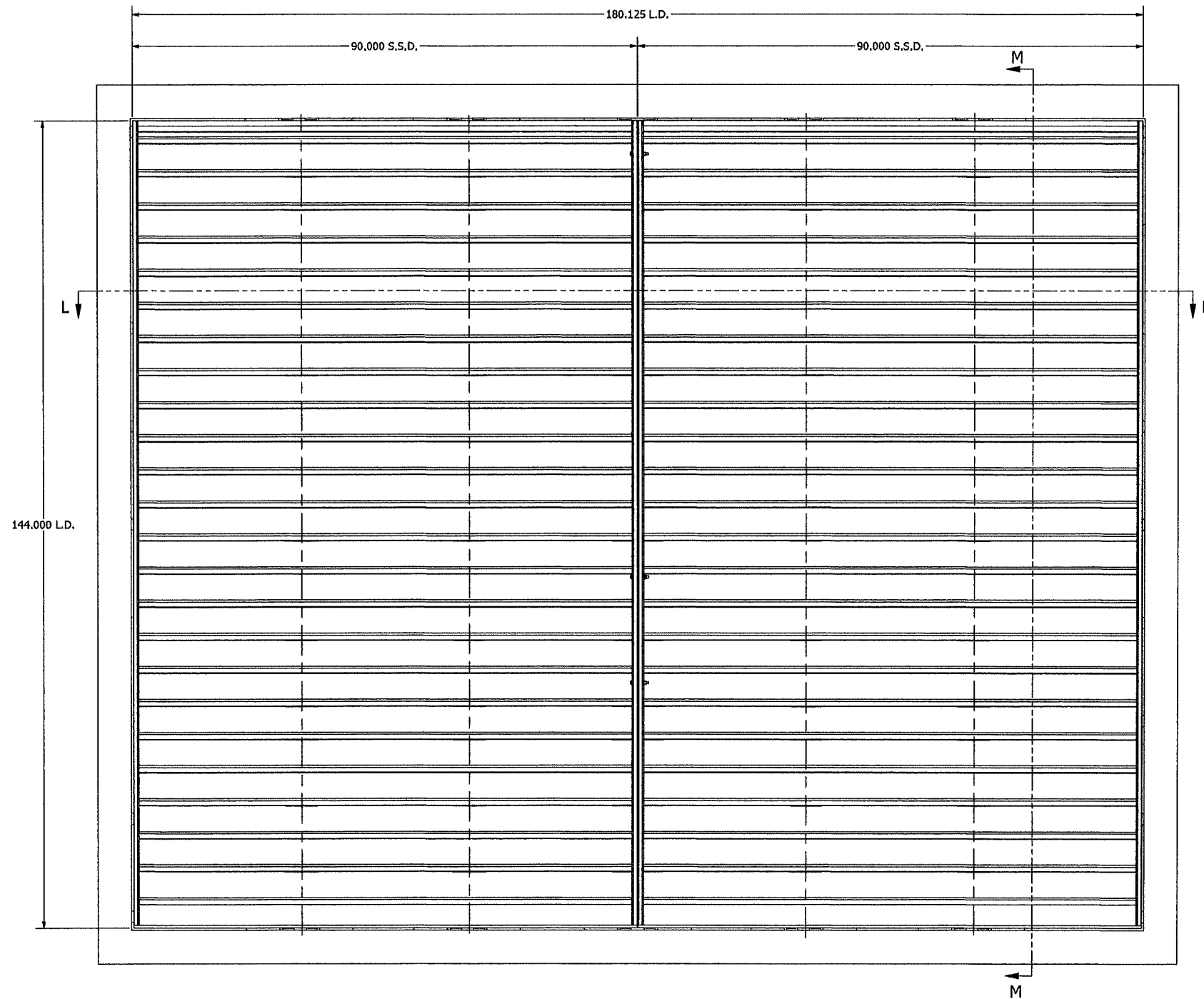
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	FASTENER QTY. PER 6" LG. ANGLE
STEEL	MIN 14 GA	1/4"-20 A307 GRADE A BOLT, W/WASHER & LOCKNUT	N/A	1/2"	3
	MIN 12 GA	1/4"-20 A307 GRADE A SCREW	N/A	1/2"	3
ALUMINUM	MIN 1/8" THICK	1/4"-20 A307 GRADE A BOLT, W/WASHER & LOCKNUT	N/A	1/2"	3
	MIN 3/16" THICK	1/4"-20 A307 GRADE A SCREW	N/A	1/2"	3
CONCRETE	4000 PSI MIN. COMP. STRENGTH (UNCRACKED)	1/4" DIA HILTI KWIK BOLT 3 EXPANSION ANCHOR	1 1/2"	4"	2

REV	DESCRIPTION	BY	CHK	APVD	DATE
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS
AUTHOR	DJR	2/17/2012			
CHECKED	DRP	3/23/2012			
APPROVED	DRP	3/23/2012			
MATERIAL					
PRODUCT	6375DC				
TITLE	6375DC - PARTS & WALL FASTENER TABLE - 100PSF				
SIZE	D	DWG NO	60-022283-00B		
SCALE	NONE	INVENTOR	SHEET 14 OF 32		

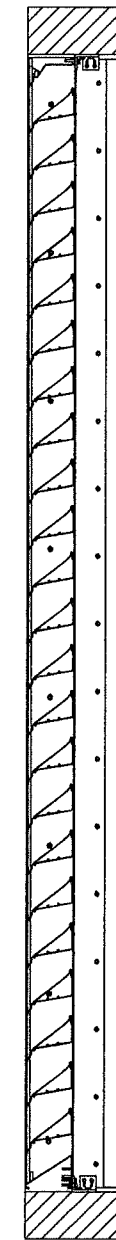
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



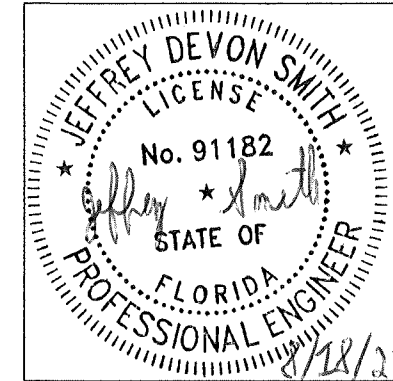
SECTION L-L



ASSEMBLY "C" - MULTI SECTION VIEW- FOR WINDLOAD - 150PSF - PERIMETER ATTACHMENT
MAX. SHIP SECTION - 90" W X 144" H



SECTION M-M

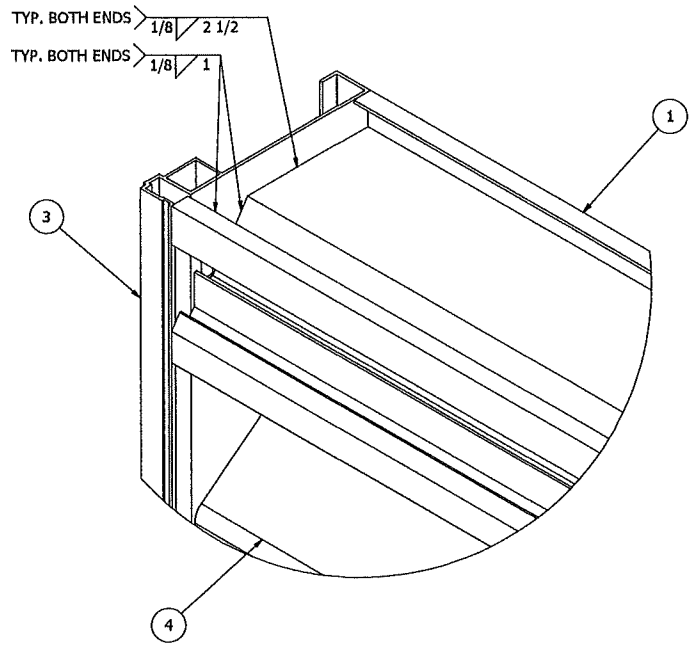


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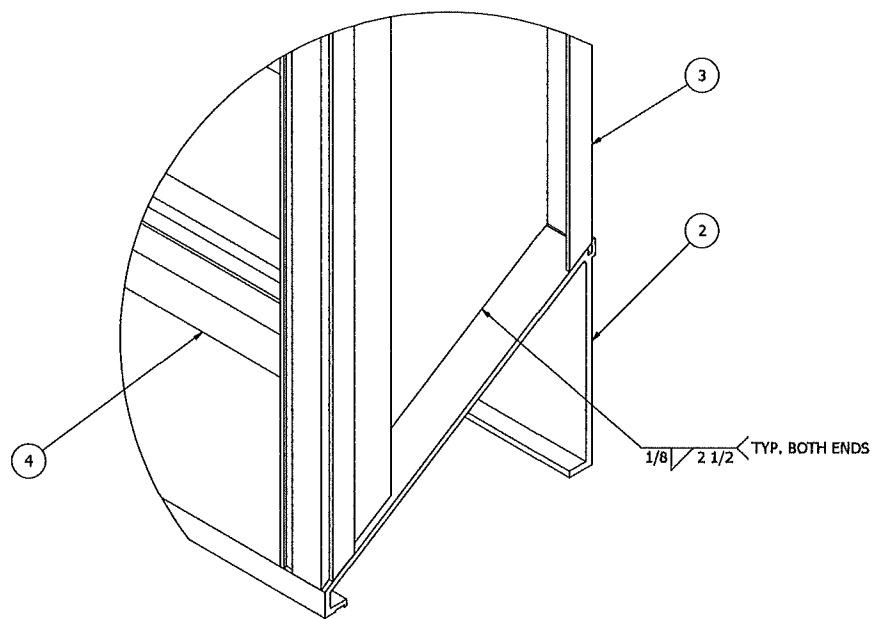
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL		PRODUCT	6375DC			
		TITLE	ASSEMBLY "C" - MULTI SECTION ASSEMBLY - 150PSF			
		SIZE	D	DWG NO	60-022283-00B	REV E
		SCALE	NONE	INVENTOR		SHEET 17 OF 32

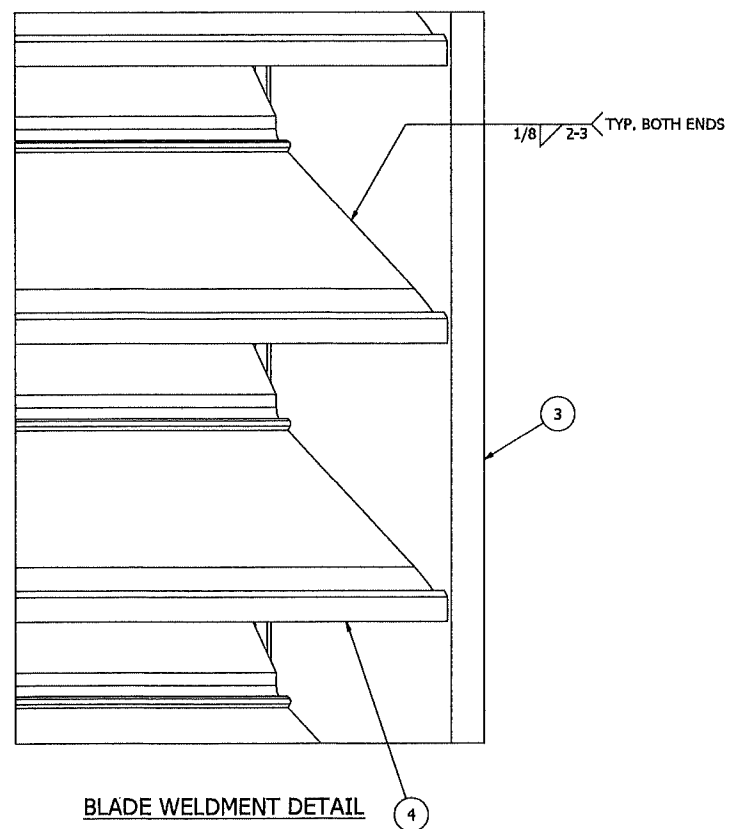
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



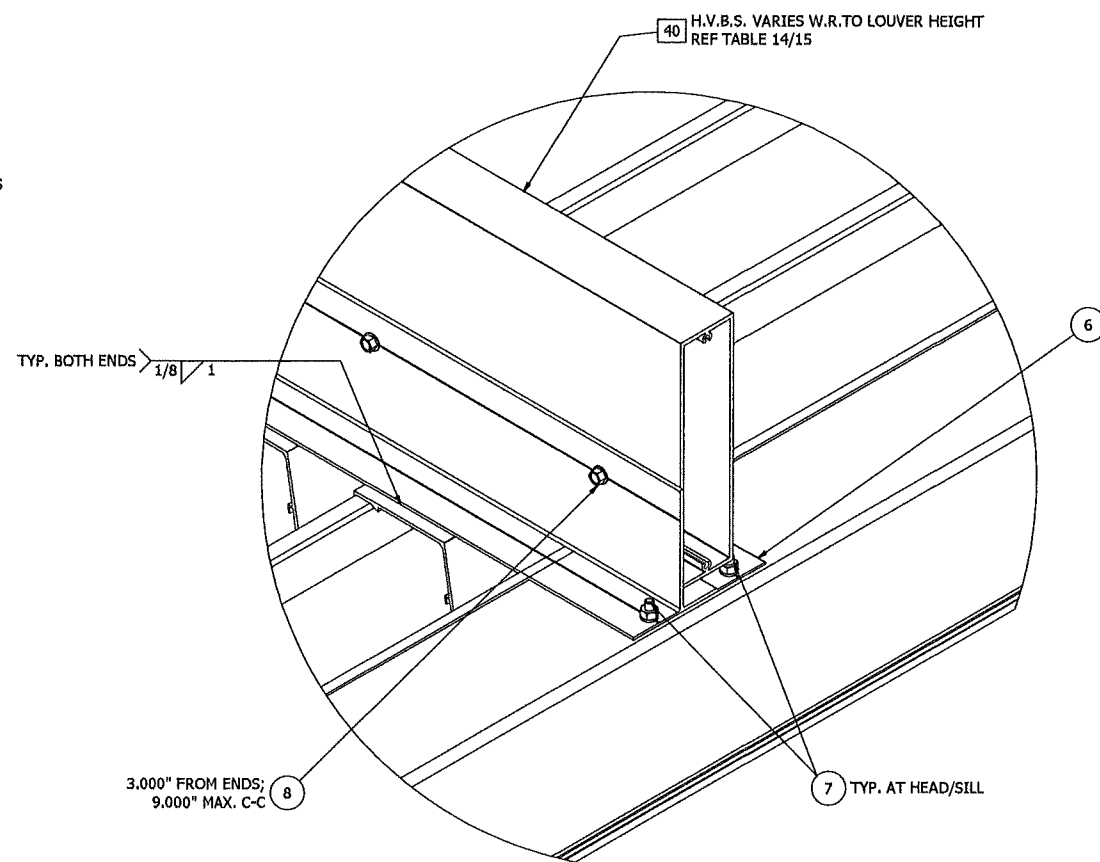
HEAD FRAME CONNECTION DETAIL



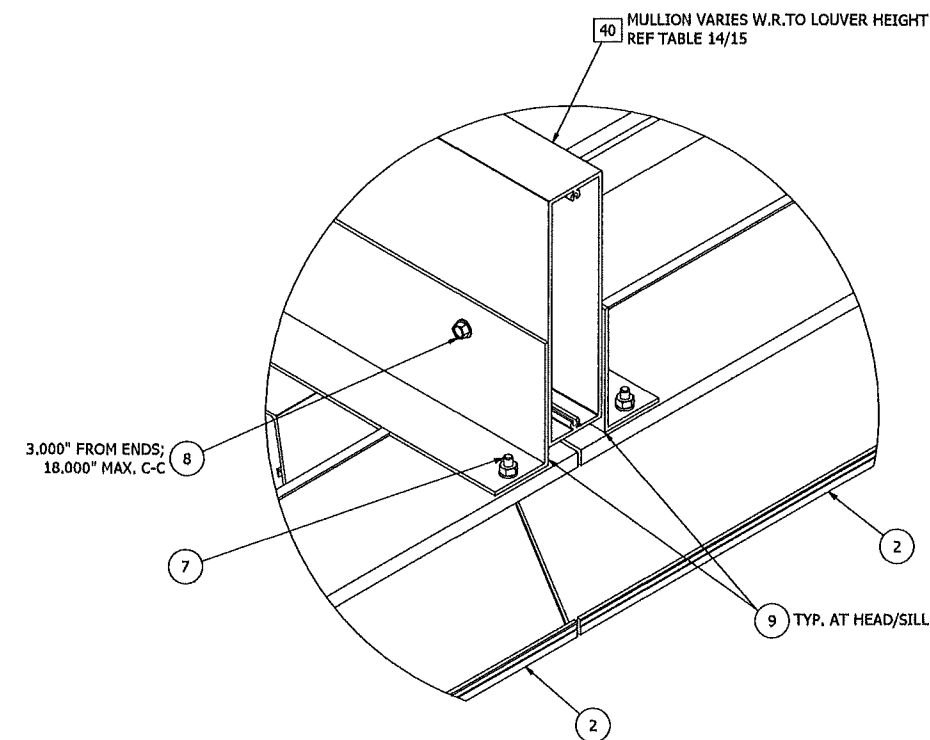
SILL FRAME CONNECTION DETAIL



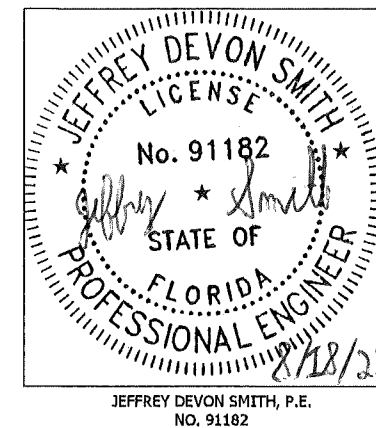
BLADE WELDMENT DETAIL



H.V.B.S. ATTACHMENT DETAIL



MULLION ATTACHMENT DETAIL

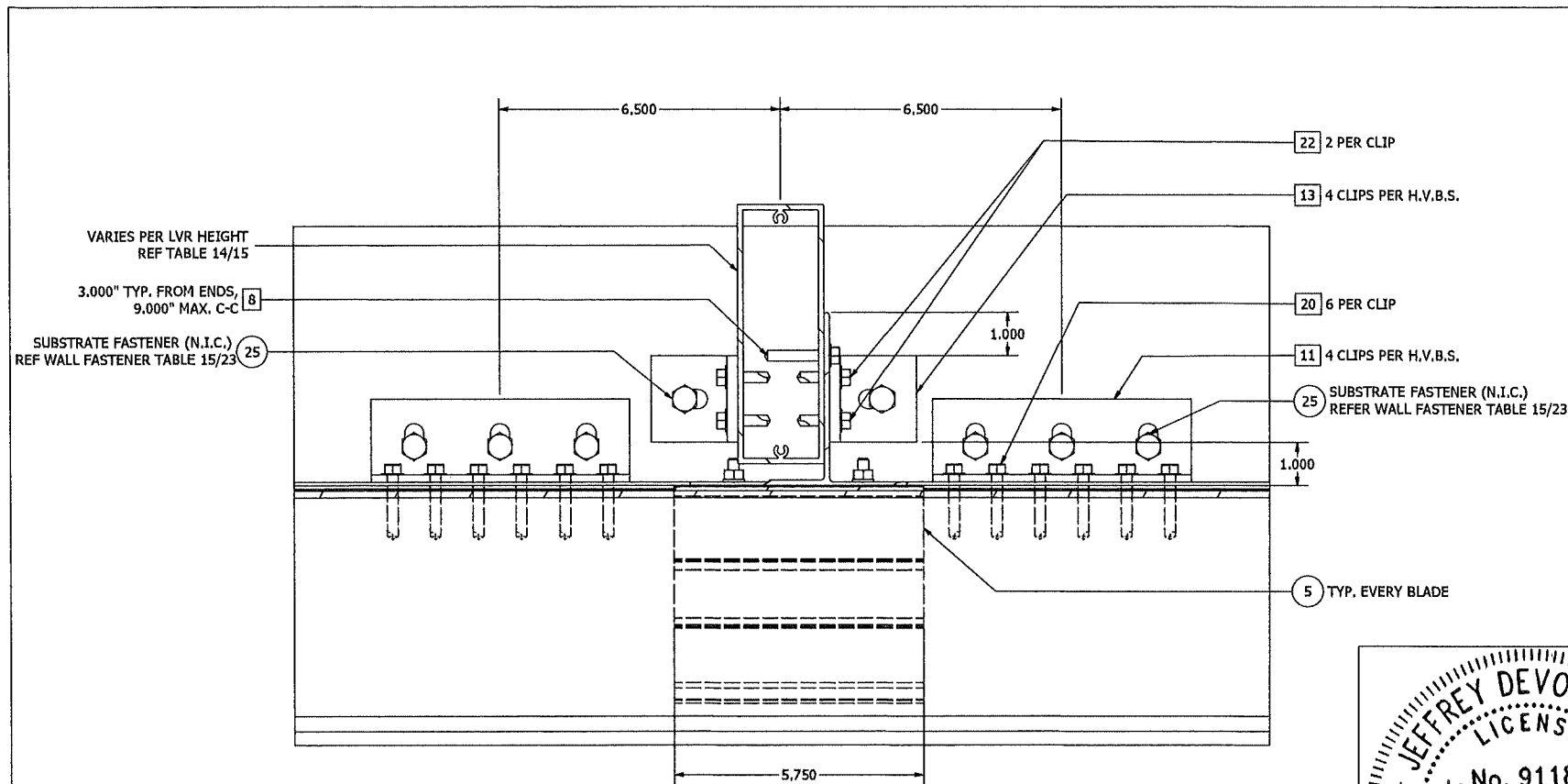


JEFFREY DEVON SMITH, P.E.
No. 91182

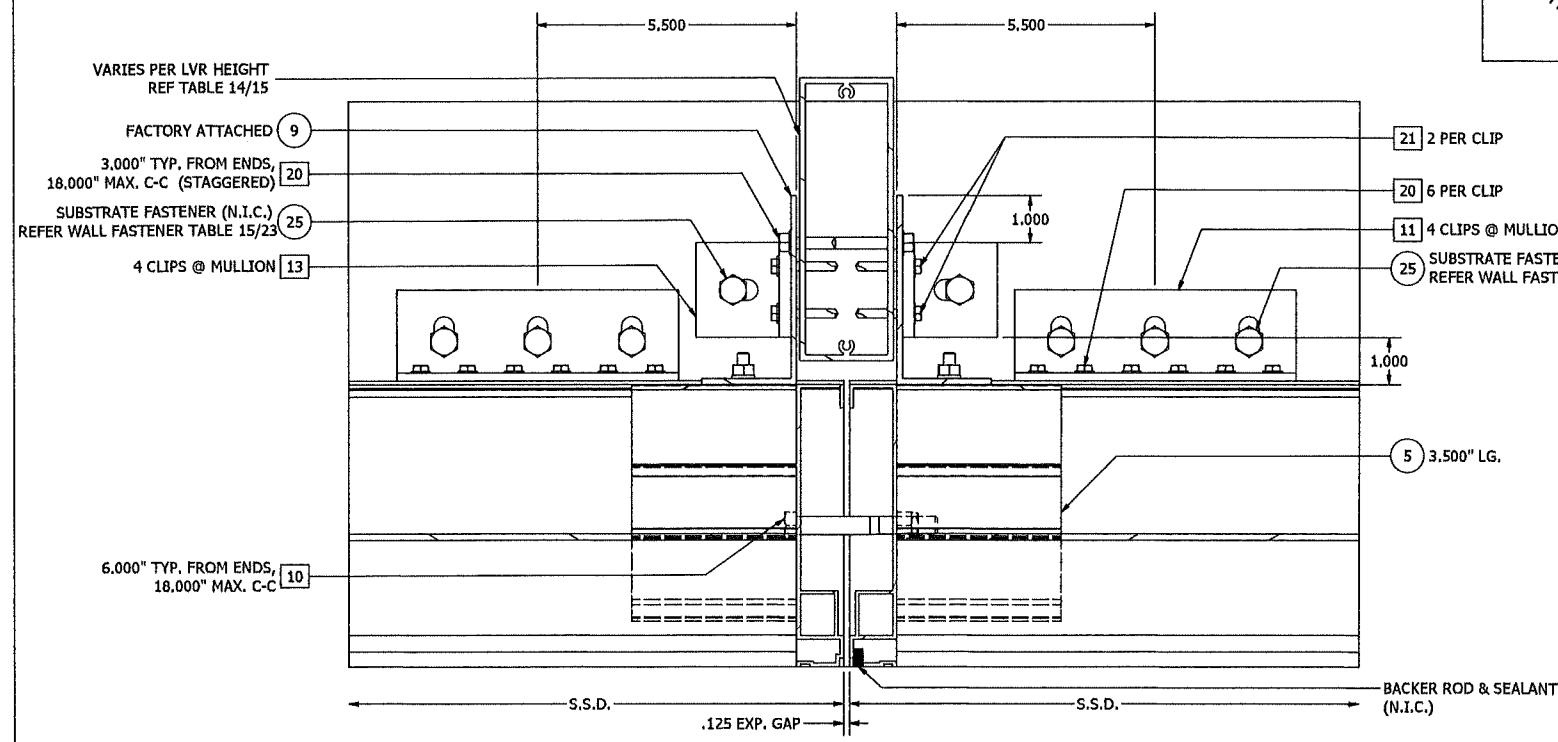
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT	6375DC					
TITLE	STANDARD LOUVER BUILD DETAILS					
SIZE	D	DWG NO	60-022283-00B		REV	E
SCALE	NONE	INVENTOR	SHEET 18		OF 32	

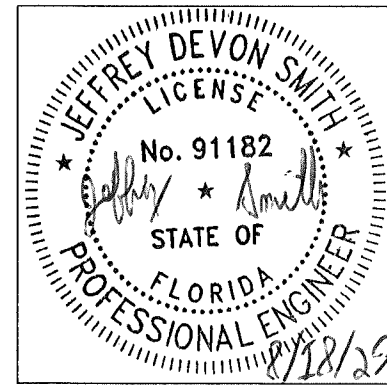
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER W1Q-007



DETAIL W
H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL/CONCRETE)

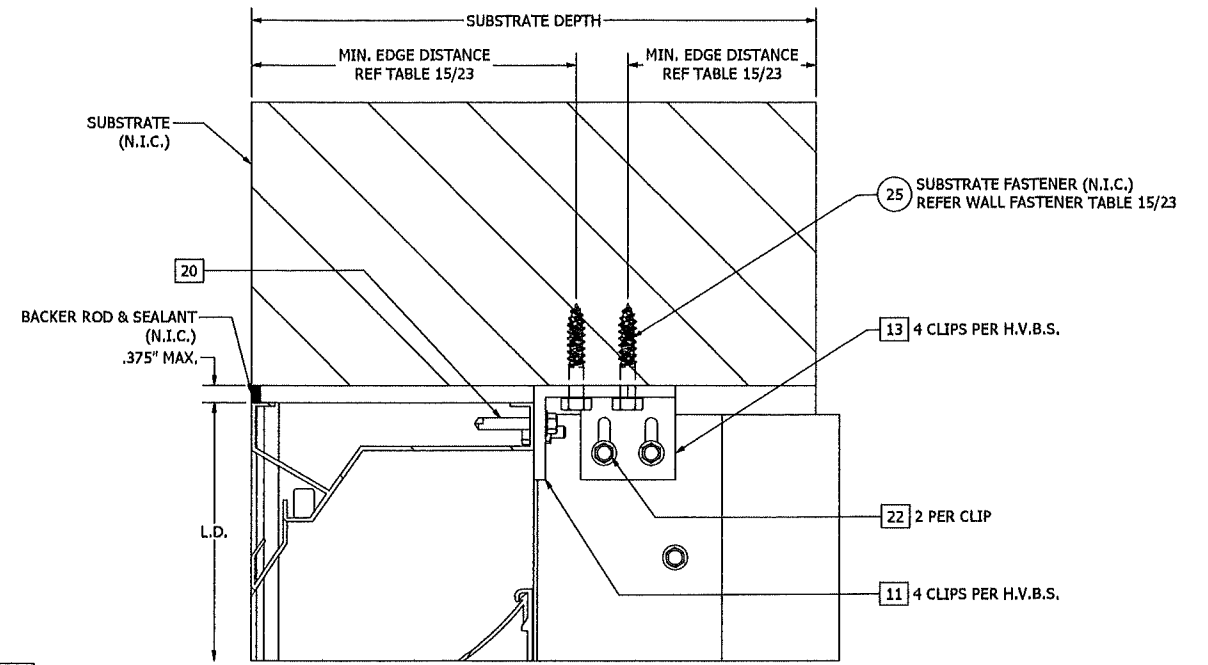


DETAIL Y
MULLION ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL/CONCRETE)

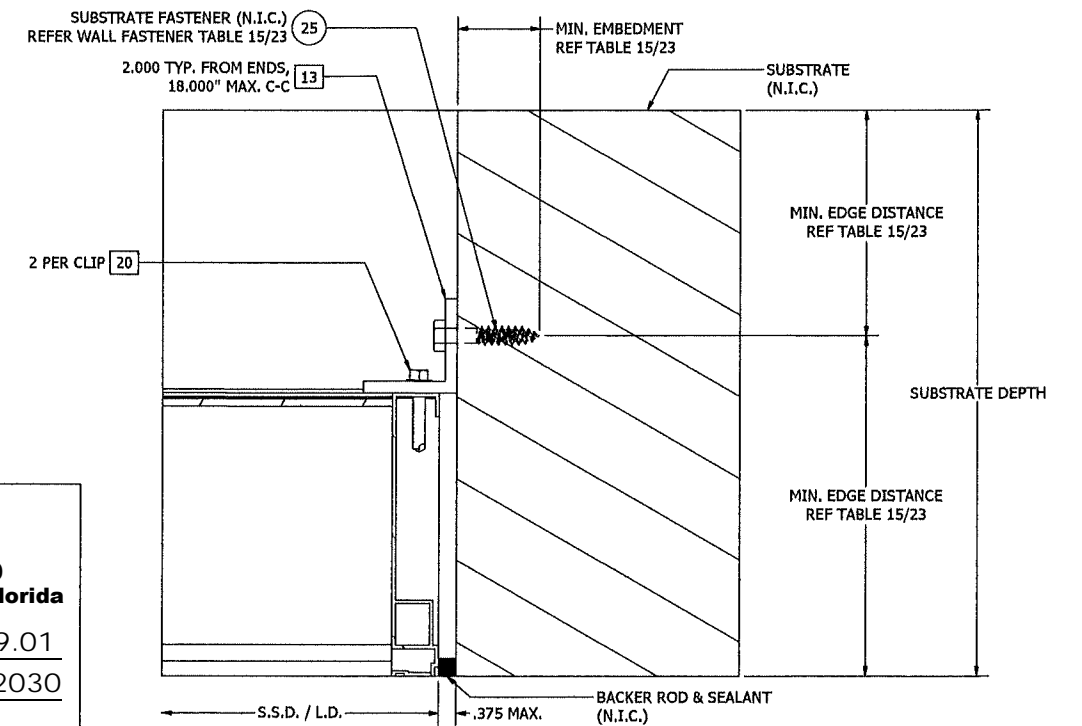


JEFFREY DEVON SMITH, P.E.
NO. 91182

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control



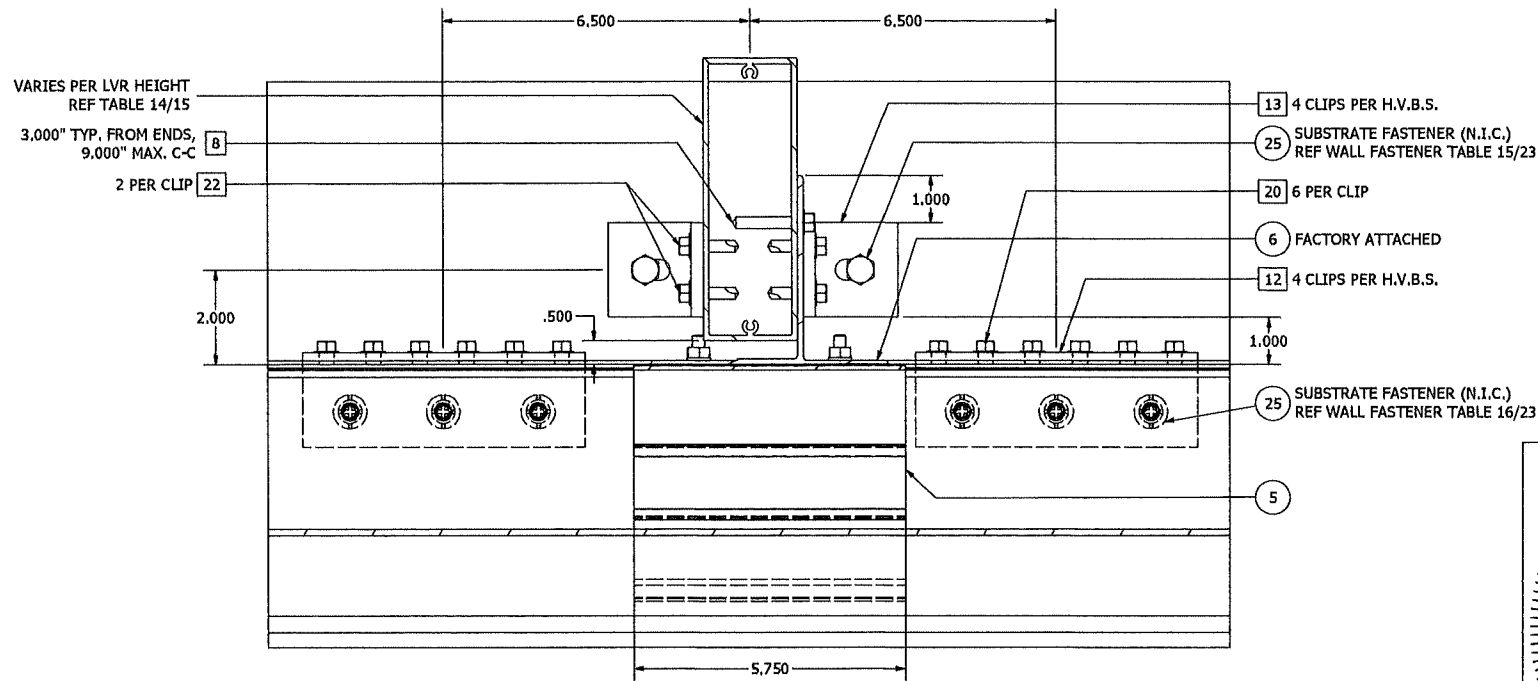
DETAIL X
H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL/CONCRETE)



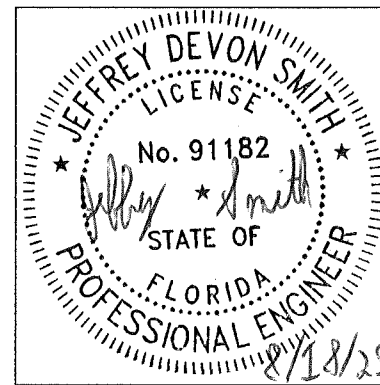
DETAIL Z
JAMB ATTACHMENT DETAIL
(WOOD/METAL/CONCRETE/12" CMU)

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
TITLE		6375DC				
ASSEMBLY "C" - STANDARD INSTALLATION DETAILS						
SIZE	D	DWG NO	60-022283-00B		REV	E
SCALE	NONE	DATE	SHEET 19 OF 32			

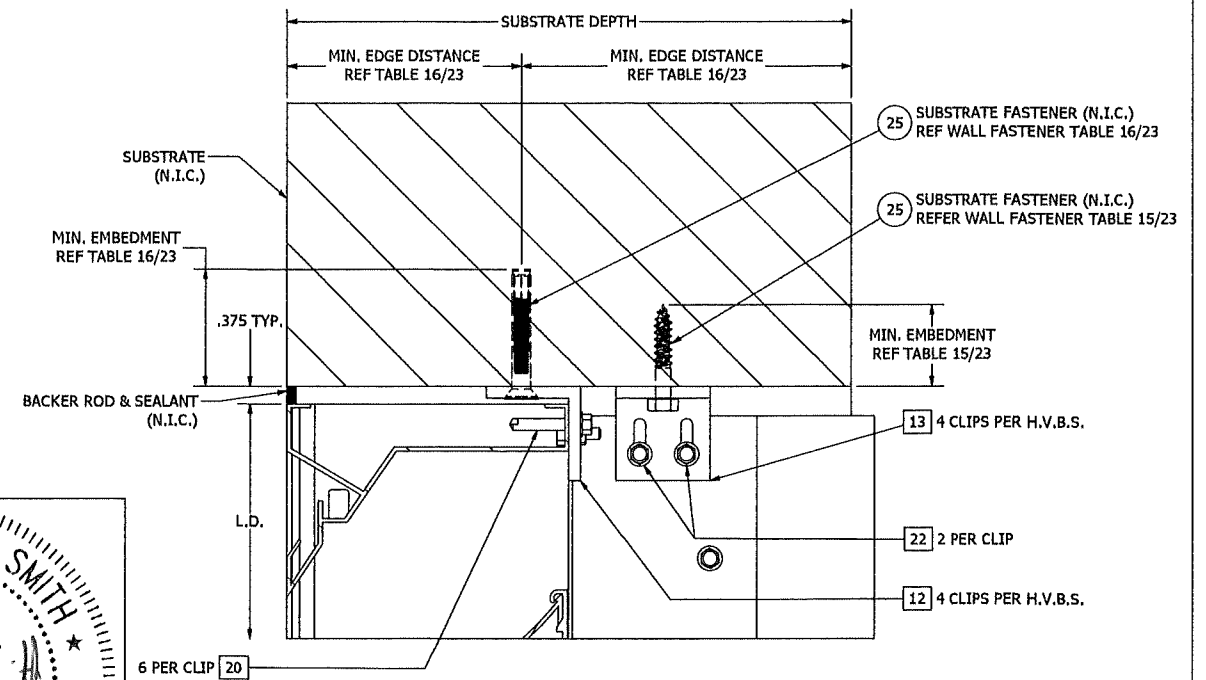
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



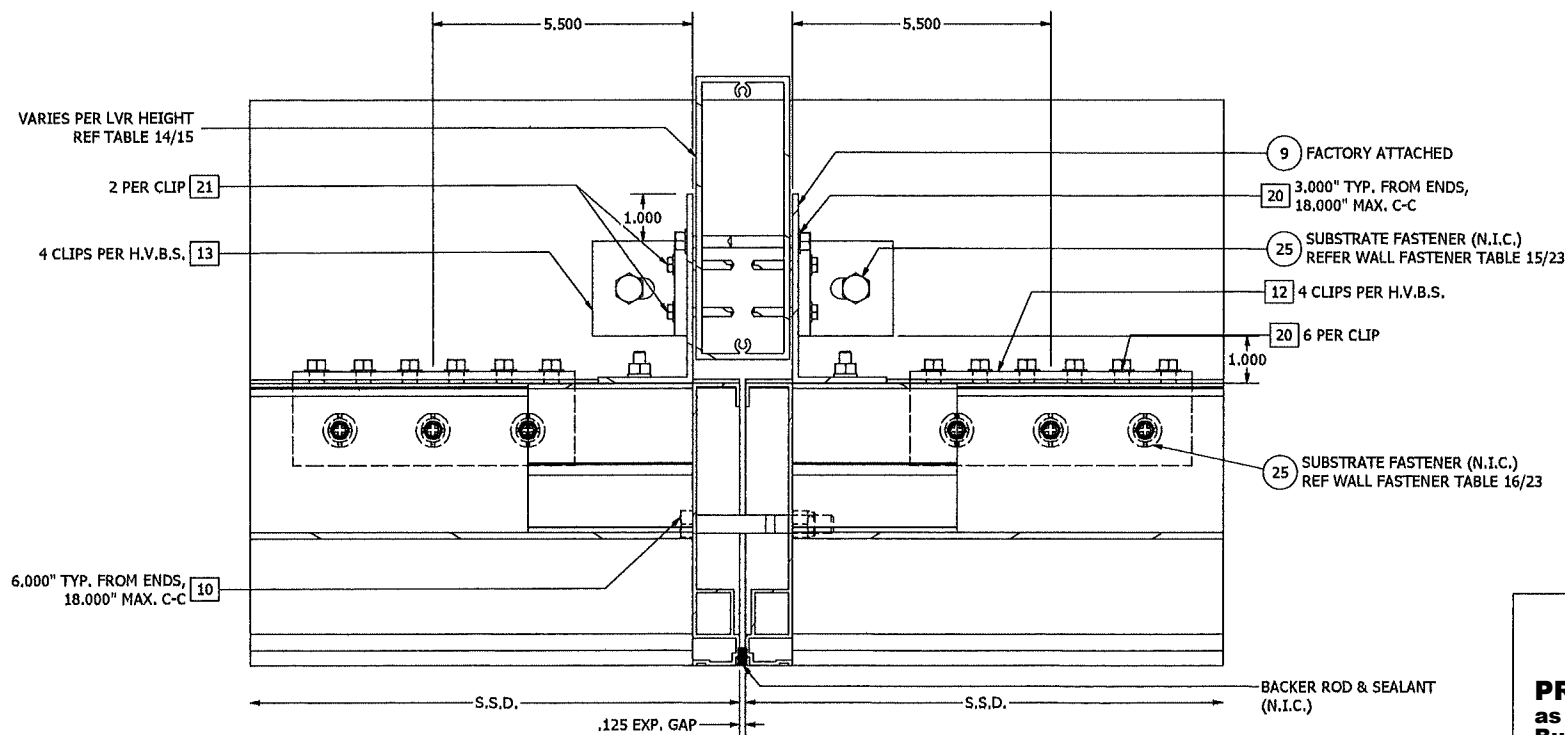
DETAIL AA
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL)



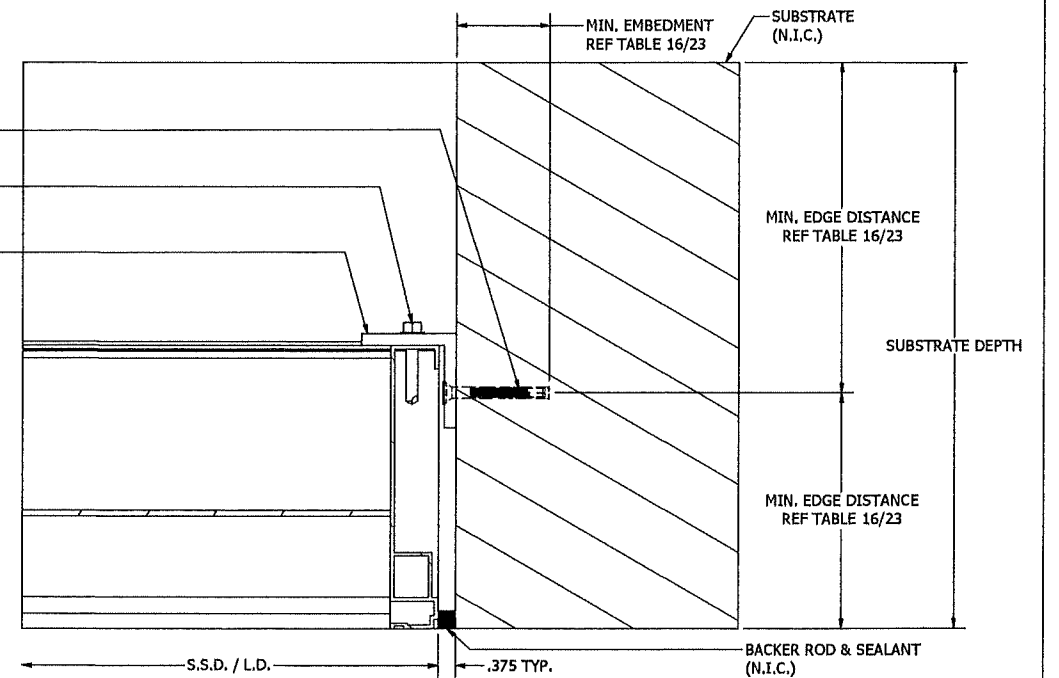
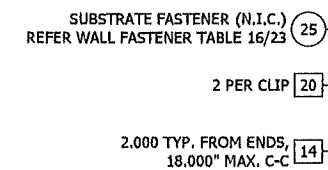
JEFFREY DEVON SMITH, P.E.
NO. 91182



DETAIL AB
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL)



DETAIL AC
ALTERNATE MULLION ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL)

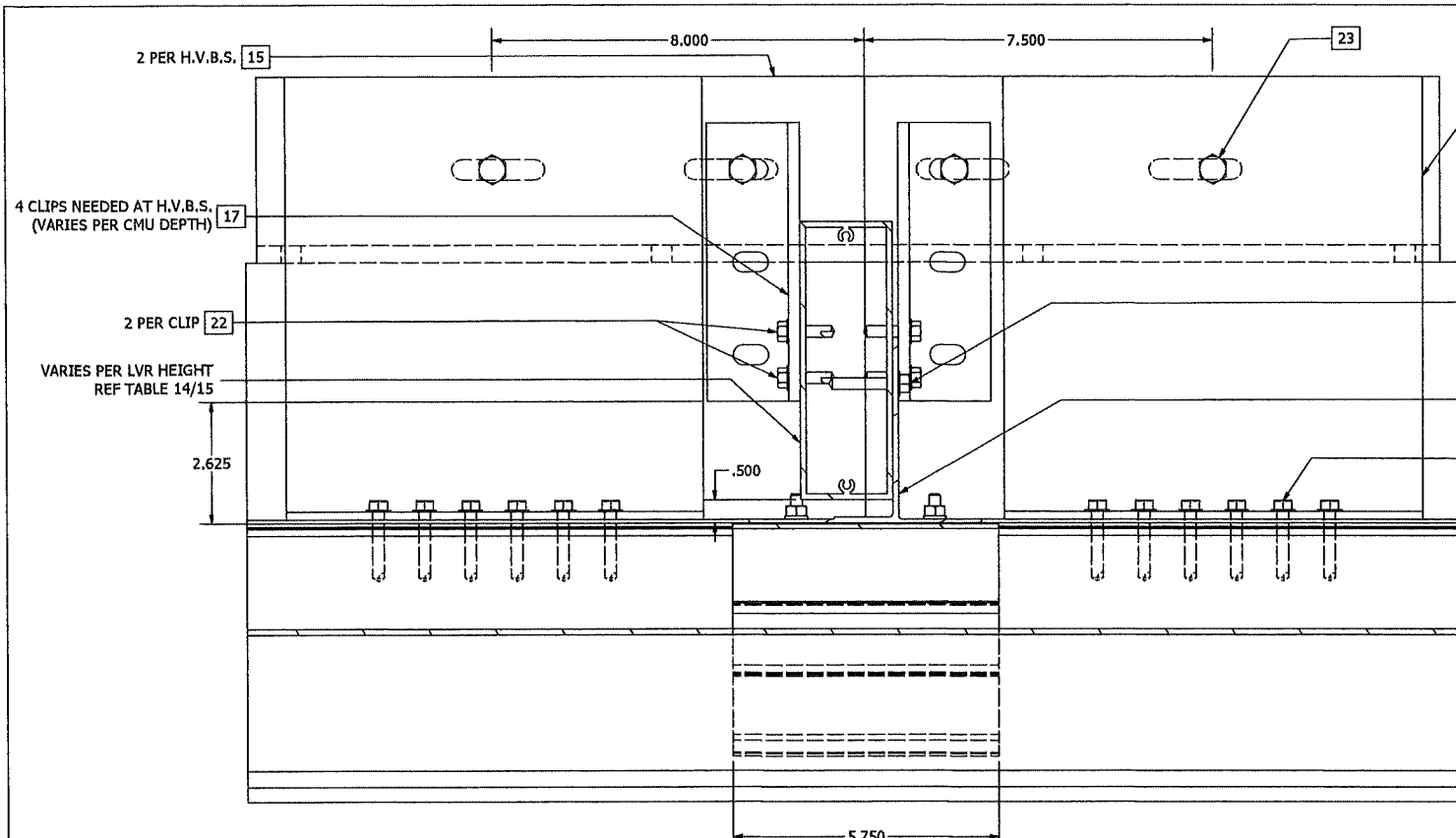


DETAIL AD
ALTERNATE JAMB ATTACHMENT DETAIL
(WOOD/METAL/CONCRETE/10" & 12" CMU)

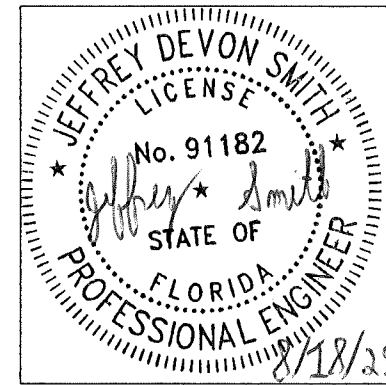
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
PRODUCT		6375DC				
TITLE		ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS - REVERSED				
SIZE	D	DWG NO	60-022283-00B			REV E
SCALE	NONE	INVENTOR				SHEET 20 OF 32

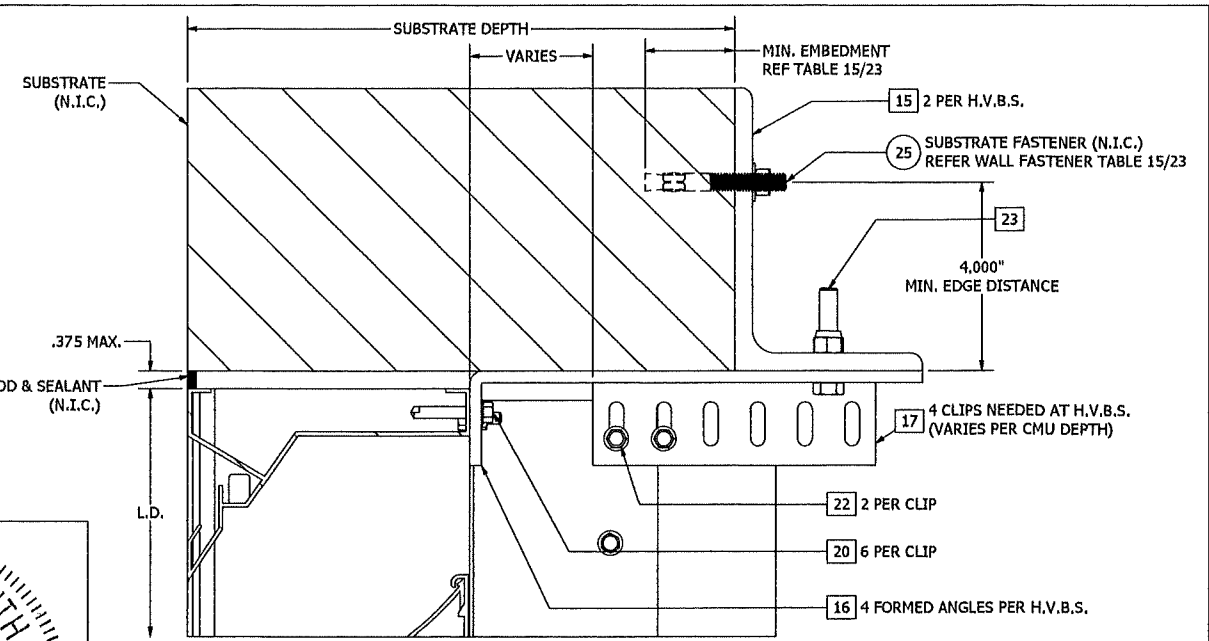
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



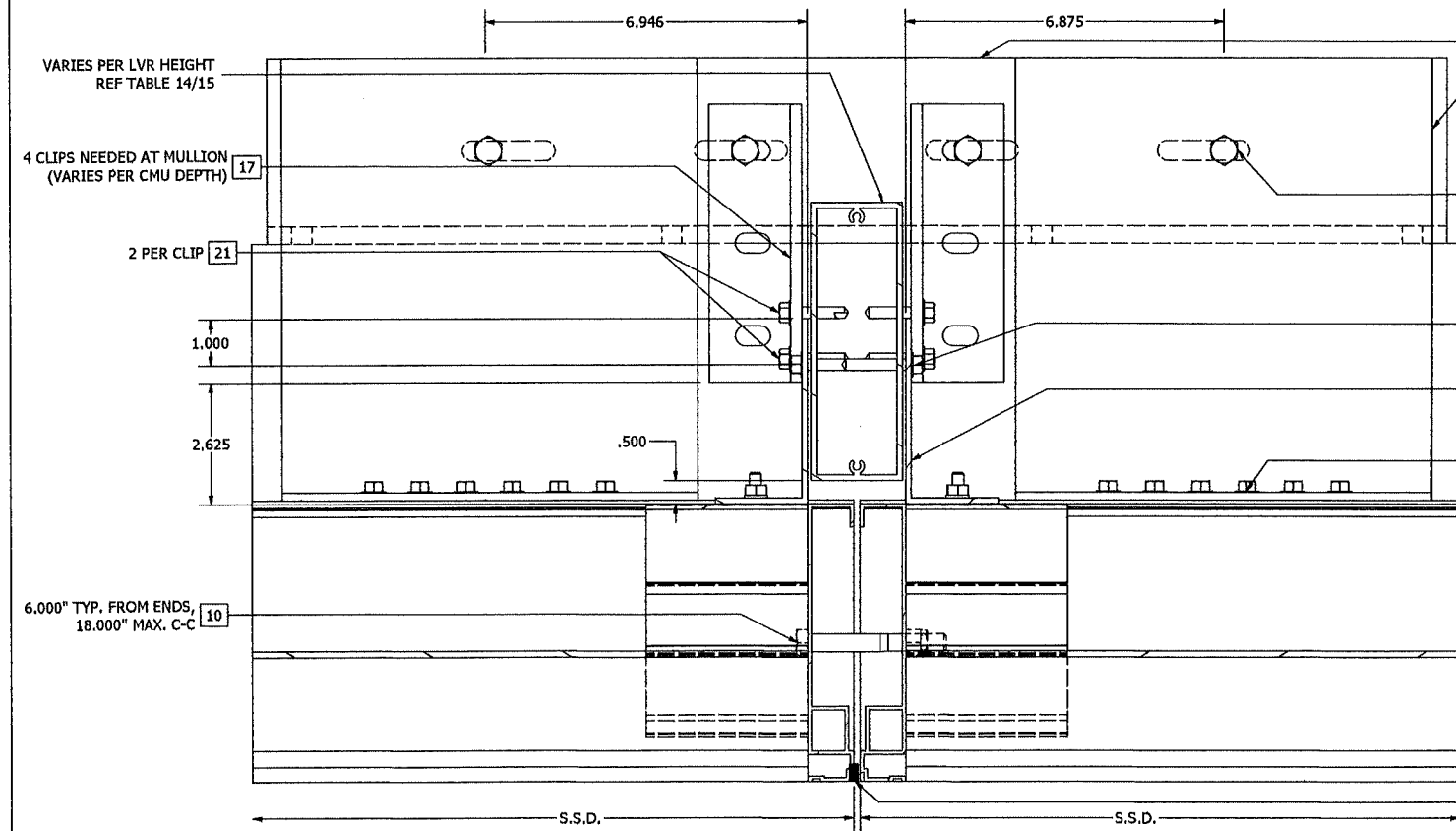
DETAIL AE
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(> 6" CMU)



JEFFREY DEVON SMITH, P.E.
NO. 91182

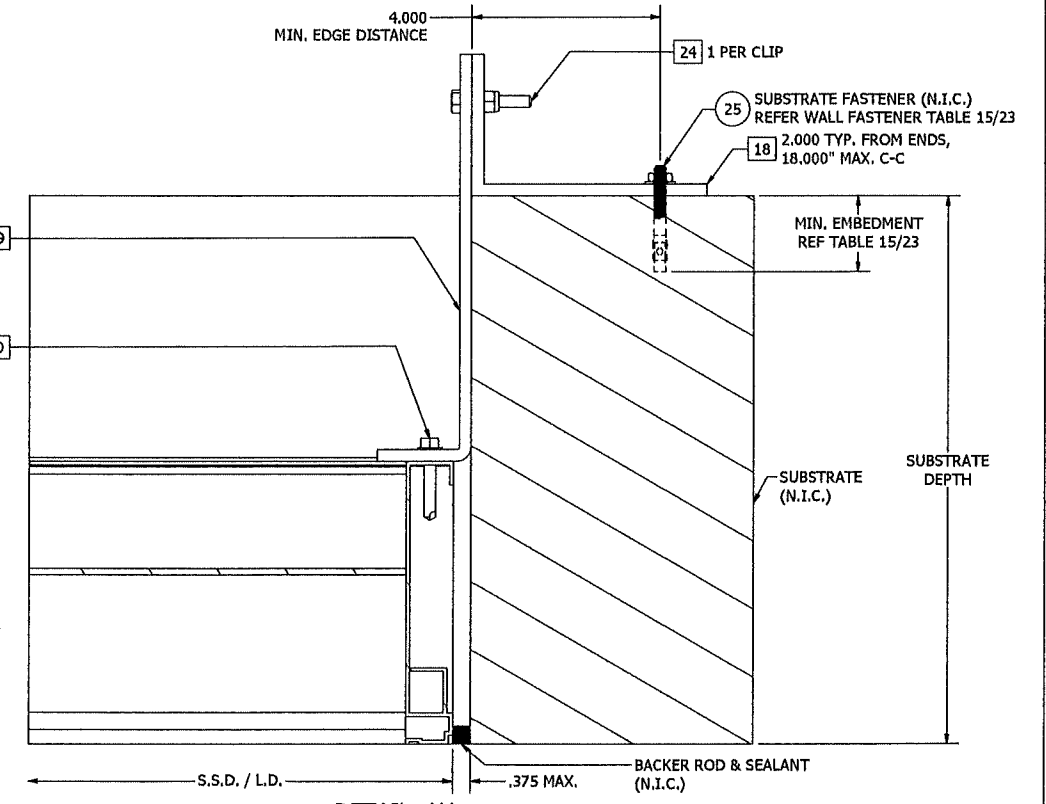


DETAIL AF
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(> 6" CMU)



DETAIL AG
ALTERNATE MULLION ATTACHMENT DETAIL @ HEAD/SILL
(> 6" CMU)

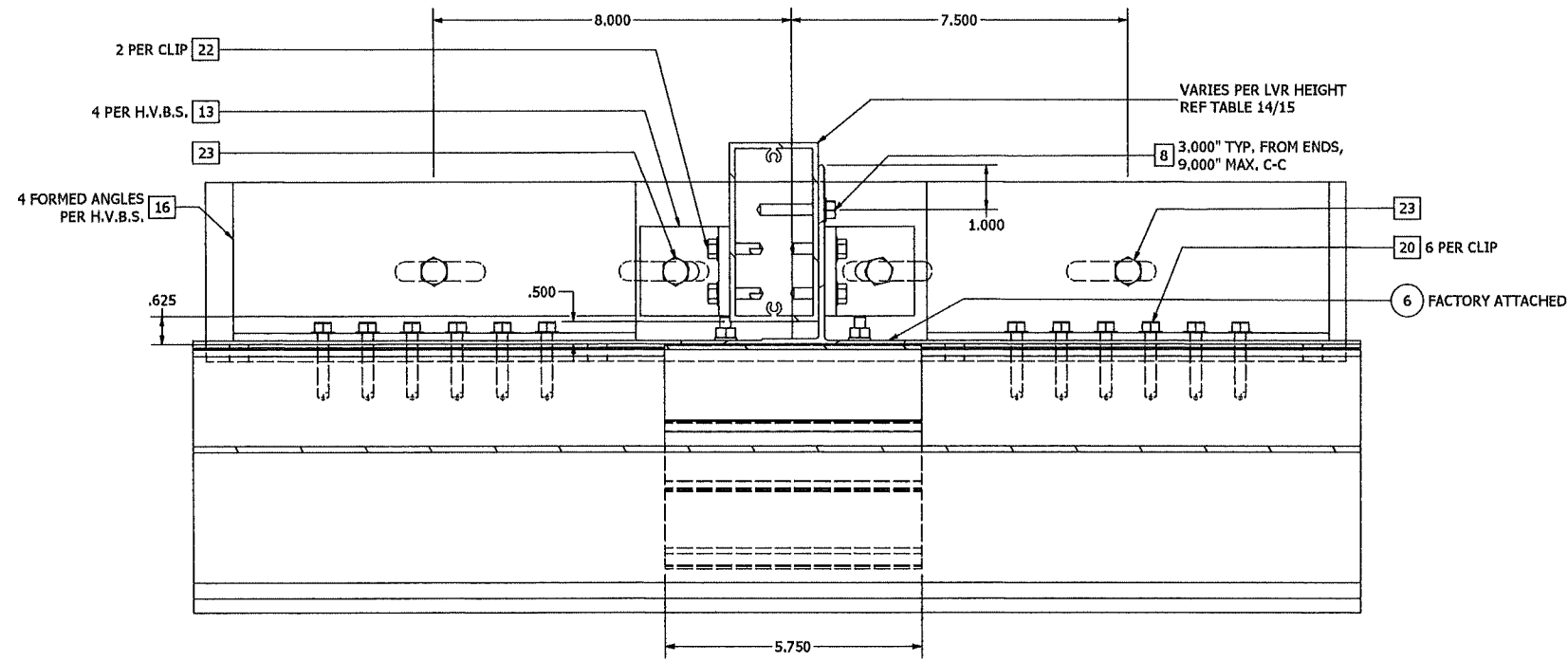
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control



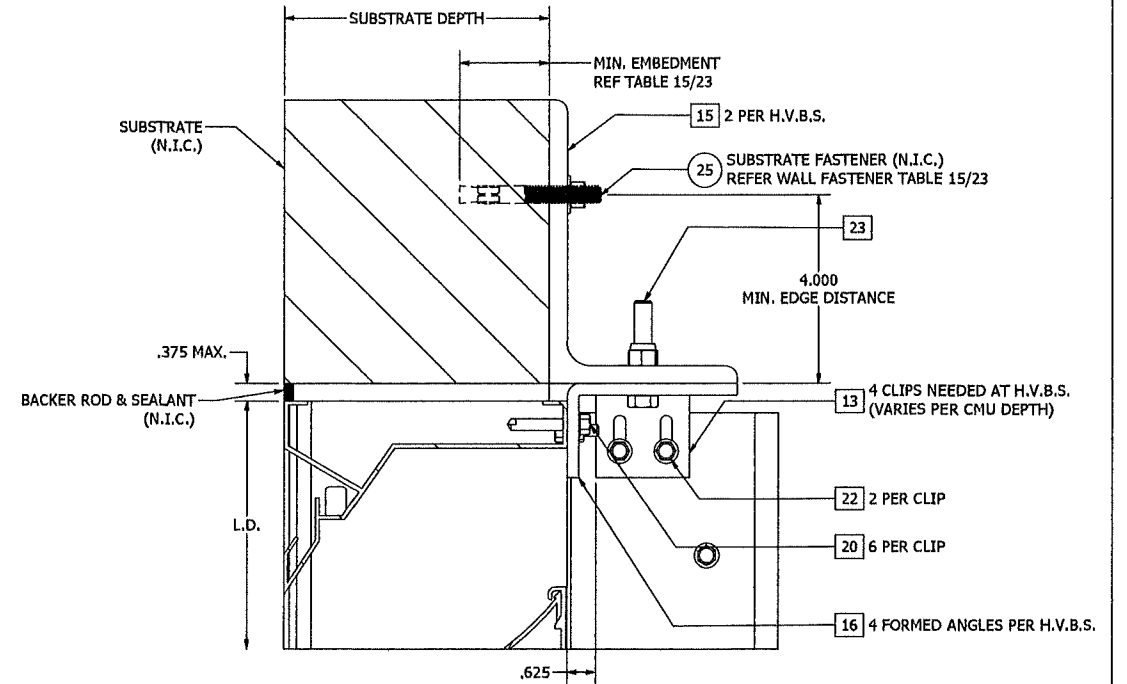
DETAIL AH
ALTERNATE JAMB ATTACHMENT DETAIL
(CMU SUBSTRATE - 8.5" DEPTH OR SMALLER)

UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

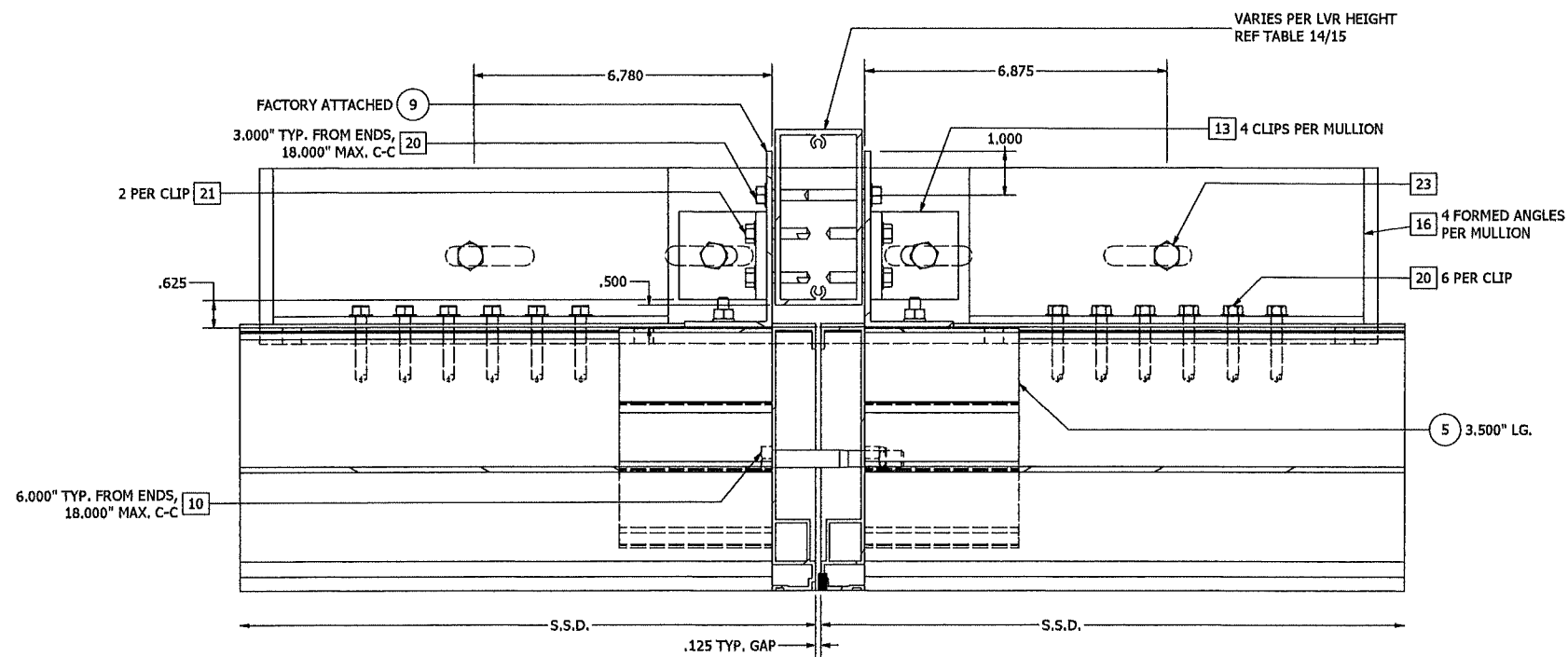
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	TITLE	ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS (>6" CMU)				
	SIZE	D	DWG NO	60-022283-00B		
	SCALE	NONE	INVENTOR	SHEET 21 OF 32		



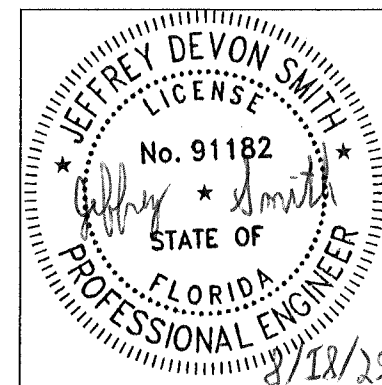
DETAIL AJ
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(6" CMU)



DETAIL AK
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(6" CMU)



DETAIL AL
ALTERNATE MULLION ATTACHMENT DETAIL @ HEAD/SILL
(6" CMU)



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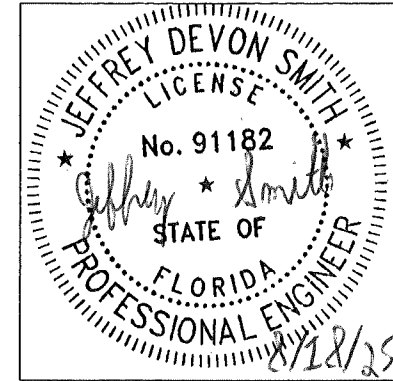
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
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E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL		PRODUCT	6375DC			
		TITLE	ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS (6" CMU)			
		SIZE	D	DWG NO	60-022283-00B	
		SCALE	NONE	INVENTOR	SHEET 22 OF 32	

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

TABLE 15 - 6375DC - WALL FASTENER TABLE (N.I.C.) - ITEM 25

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	LOCATION	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	FASTENER QTY
WOOD	SPECIFIC GRAVITY = 0.4	HVBS/MULLION SUPPORT	3/8" Ø A307 STEEL/STAINLESS STEEL BOLT, WASHER & LOCKNUT	3 THREADS BEYOND NUT	2 1/2"	2 PER 6" LG. ANGLE
			3/8" Ø X 2" LONG LAG SCREW, A307 STEEL/STAINLESS STEEL	1 3/4"	2 1/2"	3 PER 6" LG. ANGLE
		JAMBS	1/4" Ø A307 STEEL/STAINLESS STEEL BOLT, WASHER & LOCKNUT	3 THREADS BEYOND NUT	2 1/2"	1 PER 2" LG. ANGLE
			3/8" Ø X 2" LONG LAG SCREW, A307 STEEL	1 3/4"	2 1/2"	1 PER 2" LG. ANGLE
STEEL & ALUMINUM	STEEL - MIN. 14 GA ALUMINUM - MIN. 3/16" THICK	HVBS/MULLION SUPPORT	3/8" Ø A307 STEEL/STAINLESS STEEL BOLT, WASHER & LOCKNUT	3 THREADS BEYOND NUT	3/4"	2 PER 6" LG. ANGLE
			3/8" Ø SCREW, A307 STEEL/STAINLESS STEEL (THIS SCREW REQUIRES 12 GA STEEL)	3 THREADS BEYOND SUBSTRATE	3/4"	3 PER 6" LG. ANGLE
		JAMBS	5/16" Ø - 18 A307 STEEL/STAINLESS STEEL BOLT OR TEK SCREW	3 THREADS BEYOND NUT OR SUBSTRATE	1/2"	1 PER 2" LG. ANGLE
CONCRETE	4000 PSI MIN. COMP. STRENGTH (UNCRACKED)	HVBS/MULLION SUPPORT	1/2" Ø HILTI KWIK BOLT 3 ANCHOR	3 1/4"	4"	1 PER 6" LG. ANGLE
	3000 PSI MIN. COMP. STRENGTH (UNCRACKED)	JAMBS	1/4" Ø X 2" HILTI KWIK BOLT 3 ANCHOR	2"	4 1/2"	1 PER 2" LG. ANGLE
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH (UNCRACKED)	HVBS/MULLION SUPPORT	3/8" Ø X 3 1/2" HILTI KWIK HUS EZ SCREW ANCHOR	3 1/4"	4"	4 PER SUPPORT ANGLE (ITEM 15)
		JAMBS (SINGLE ANGLE)	1/4" Ø X 3" HILTI KWIK HUS EZ W/WASHER	2 1/2"	4"	1 PER 2" LG. ANGLE
		JAMBS (DOUBLE ANGLE)	1/4" Ø X 3" HILTI KWIK HUS EZ W/WASHER	2 1/2"	4"	1 PER ANGLE (ITEM 18)



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Expiration Date 07/09/2030
By *[Signature]*
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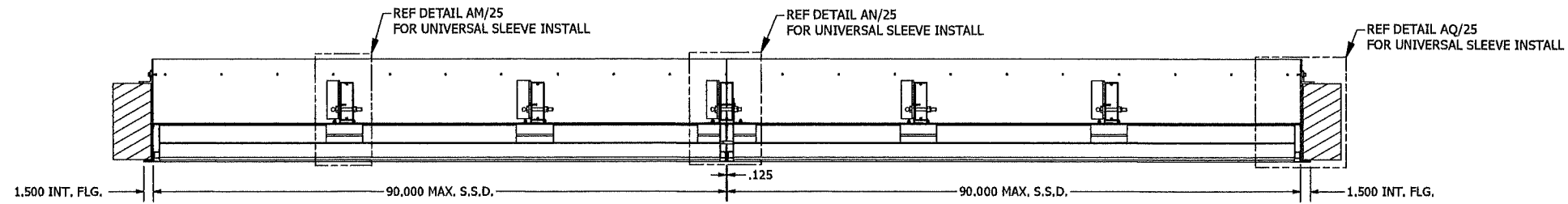
TABLE 16 - 6375DC - COUNTERSUNK FASTENER TABLE (N.I.C.) - ITEM 25

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	FASTENER QTY. PER 6" LG. ANGLE	FASTENER QTY. PER 2" LG. ANGLE
STEEL	14GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	1/4-20 BOLT, SAE GRADE 5 / STAINLESS STEEL	3 THREADS BEYOND NUT	1/2"	3	1
	10GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	1/4-20 SD SCREW, SAE GRADE 5 / STAINLESS STEEL	3 THREADS BEYOND SUBSTRATE THICKNESS			
ALUMINUM	1/8" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-20 BOLT, SAE GRADE 5 / STAINLESS STEEL	3 THREADS BEYOND NUT	1/2"	3	1
	1/4" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-20 SD SCREW, SAE GRADE 5 / STAINLESS STEEL	3 THREADS BEYOND SUBSTRATE THICKNESS			
CONCRETE	3000 PSI MIN. COMP. STRENGTH (UNCRACKED)	1/4" DIA HILTI KWIK BOLT 3 EXPANSION ANCHOR	2"	3"	N/A	1
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH (UNCRACKED)	1/4" Ø X 3" HILTI KWIK HUS EZ W/WASHER	2 1/2"	4"	N/A	1

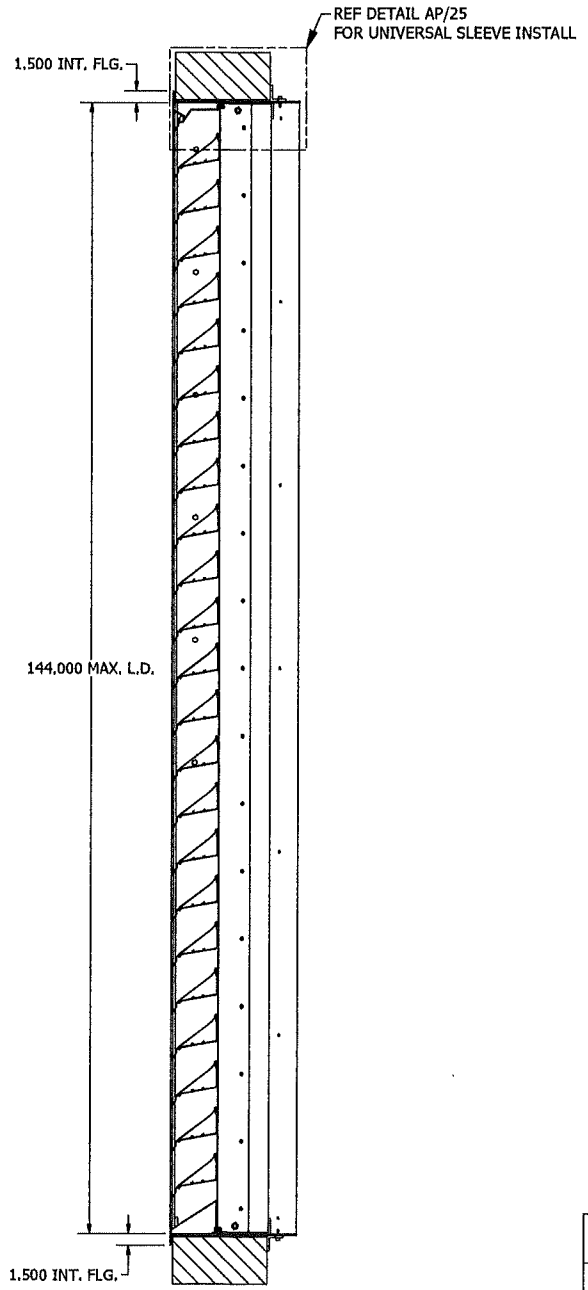
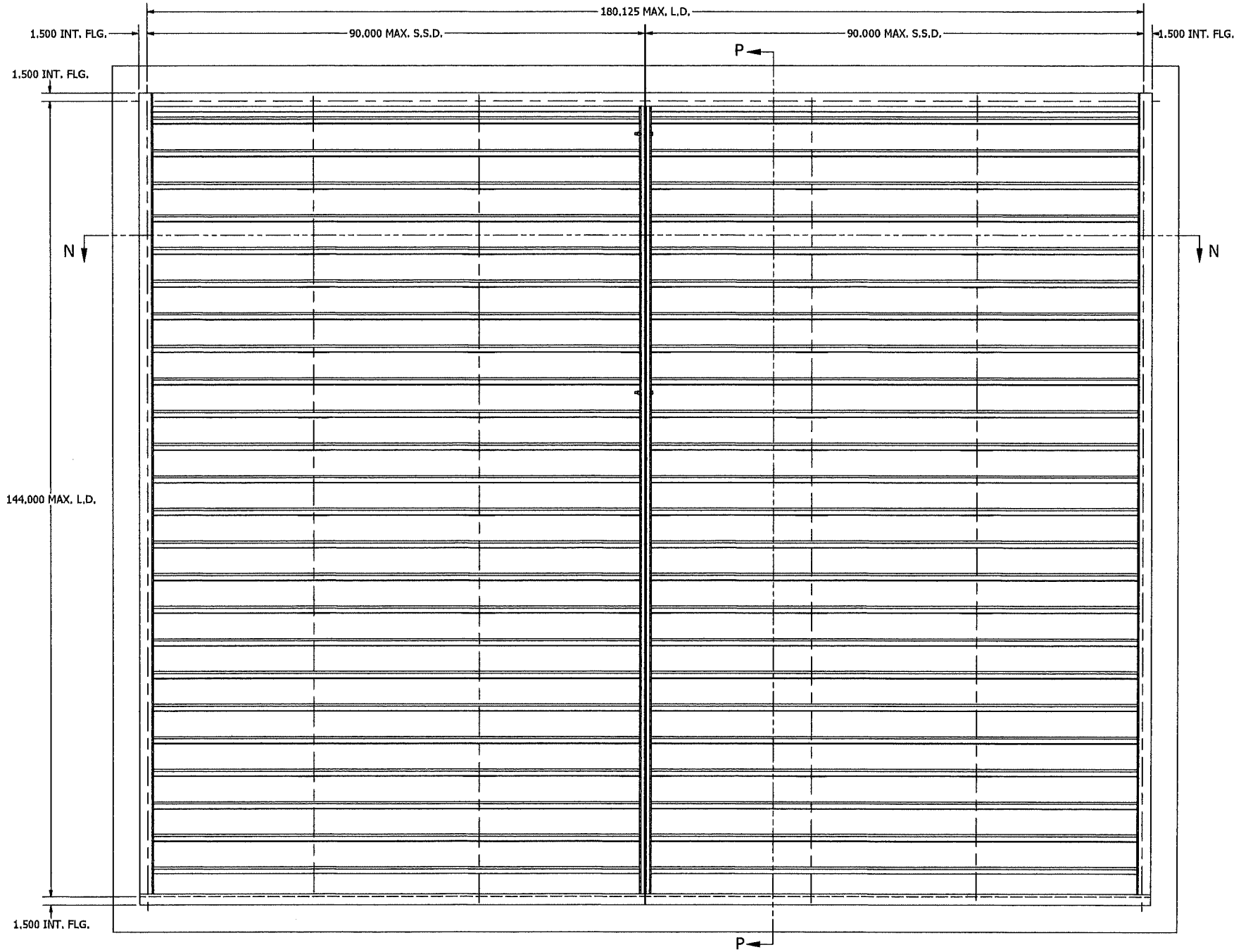
NOTE FOR COUNTERSUNK ATTACHMENT:
MULTIPLE ANCHORS ARE ONLY FOR HVBS / MULLION ATTACHMENT.

JAMB ATTACHMENT NEEDS ONLY ONE ANCHOR PER ANGLE
BOLTS/SCREWS INTO JAMBS CAN BE A307 GR A

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL		PRODUCT		6375DC		
TITLE		WALL FASTENER TABLE				
SIZE	D	DWG NO	60-022283-00B		REV	E
ECH	XXXXX	SCALE	NONE	INVENTOR	SHEET 23 OF 32	

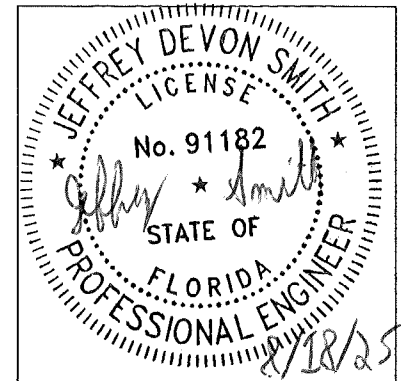


SECTION N-N



SECTION P-P

ASSEMBLY "C" - MULTI SECTION ASSEMBLY - FOR 150PSF WINDLOAD - UNIVERSAL SLEEVE
180" W X 144" H

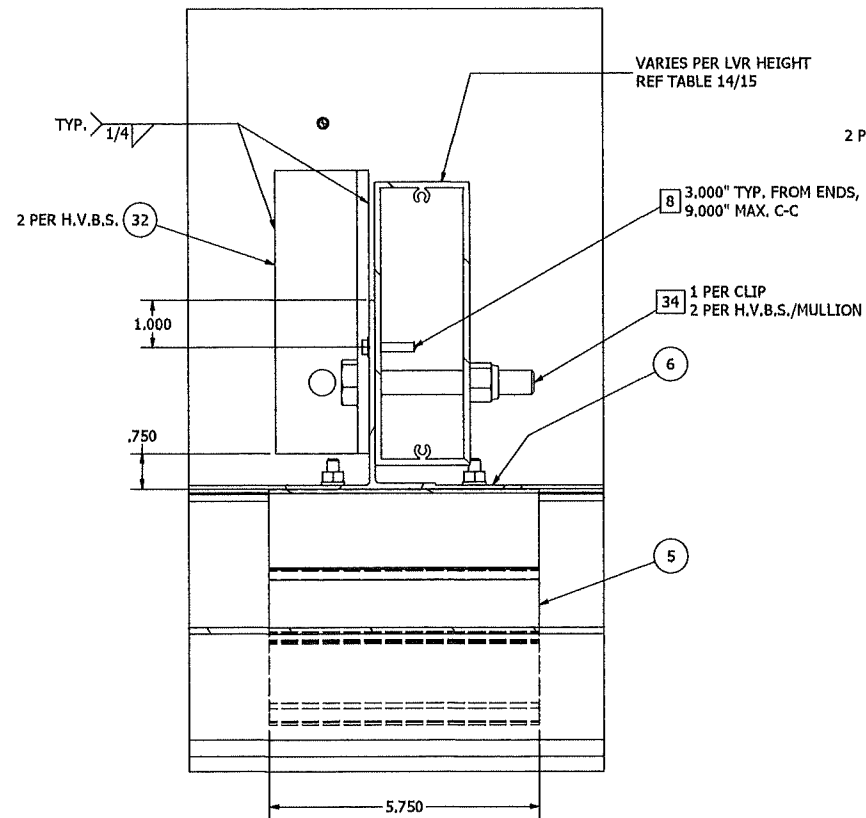


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NO. 91182

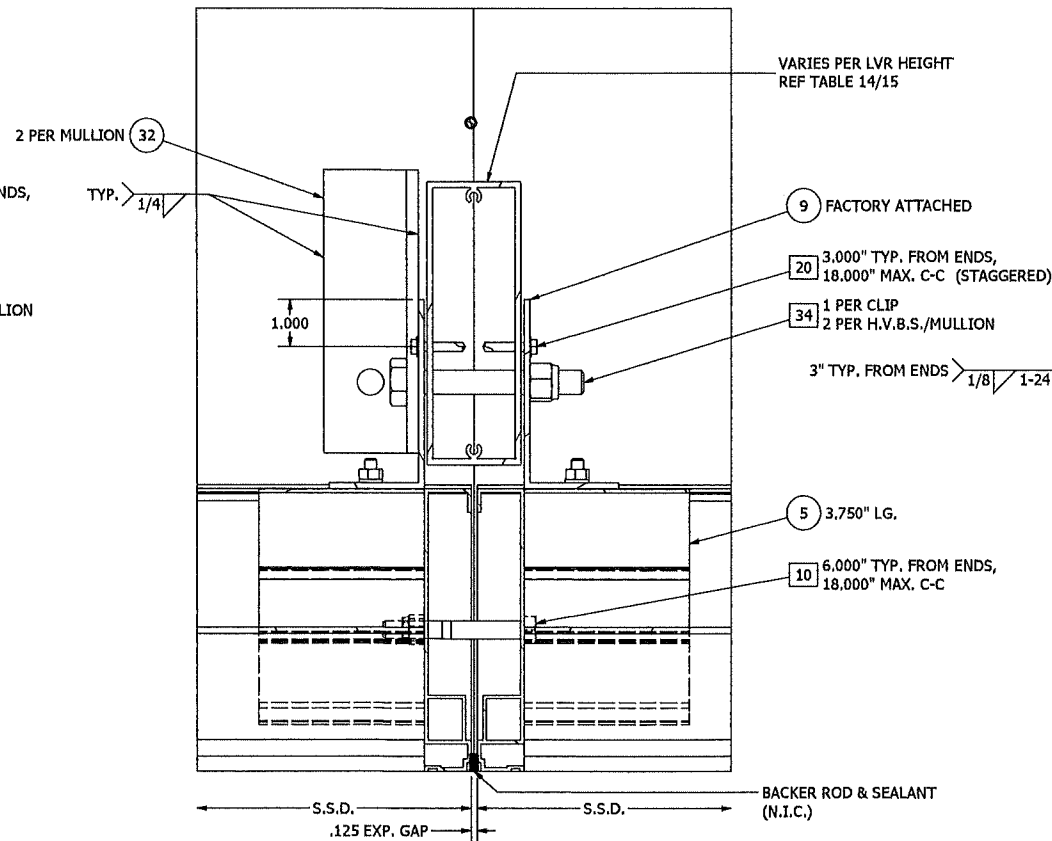
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL		PRODUCT 6375DC				
TITLE		UNIVERSAL SLEEVE ASSEMBLY				
SIZE	D	DWG NO	60-022283-00B		REV	E
SCALE	NONE	INVENTOR	SHEET 24		OF 32	

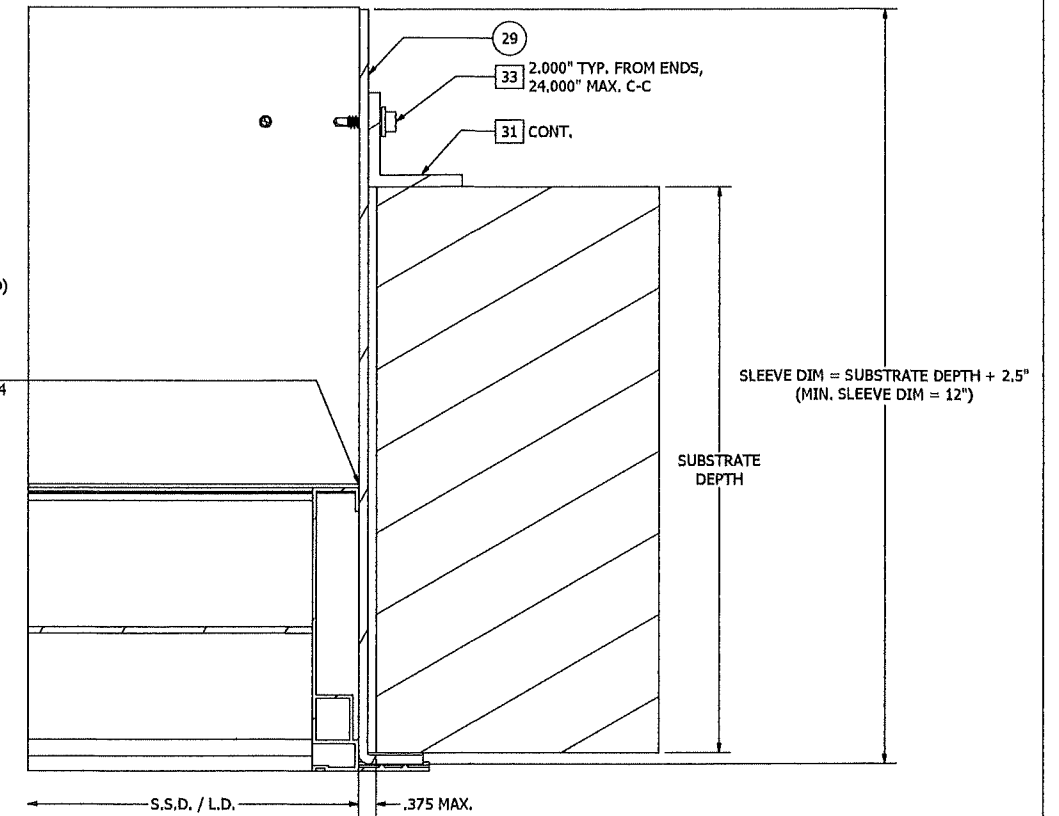
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



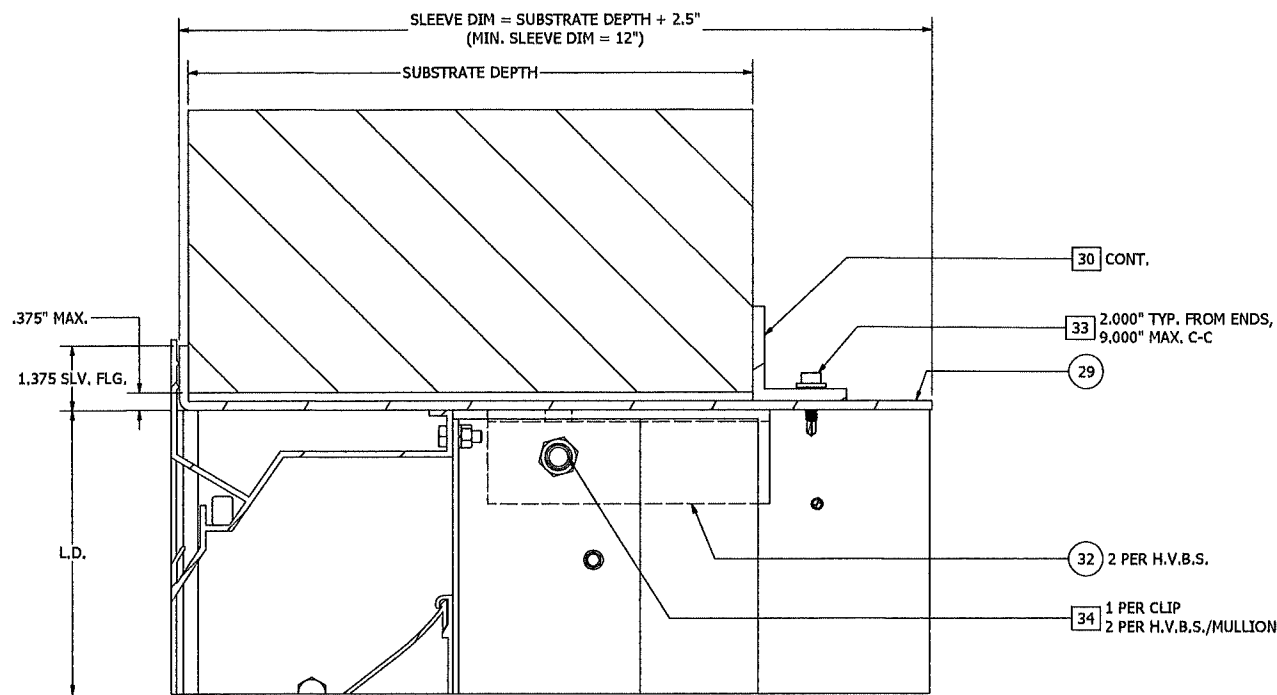
DETAIL AM
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(UNIVERSAL SLEEVE INSTALL)



DETAIL AN
ALTERNATE MULLION ATTACHMENT DETAIL @ HEAD/SILL
(UNIVERSAL SLEEVE INSTALL)

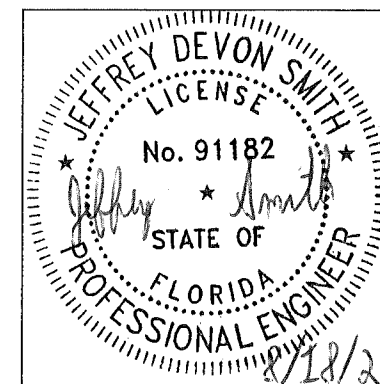


DETAIL AQ
ALTERNATE JAMB ATTACHMENT DETAIL
(UNIVERSAL SLEEVE INSTALL)



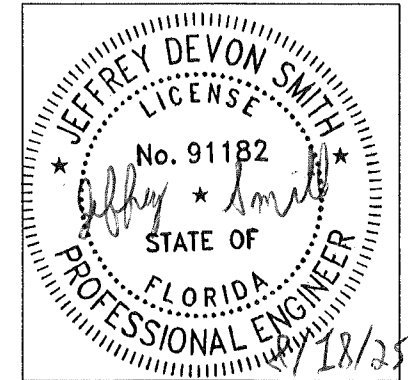
DETAIL AP
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(UNIVERSAL SLEEVE INSTALL)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

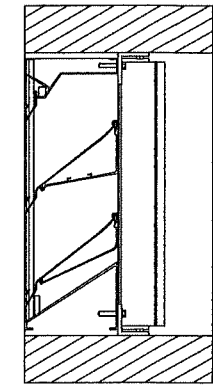


JEFFREY DEVON SMITH, P.E.
NO. 91182
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

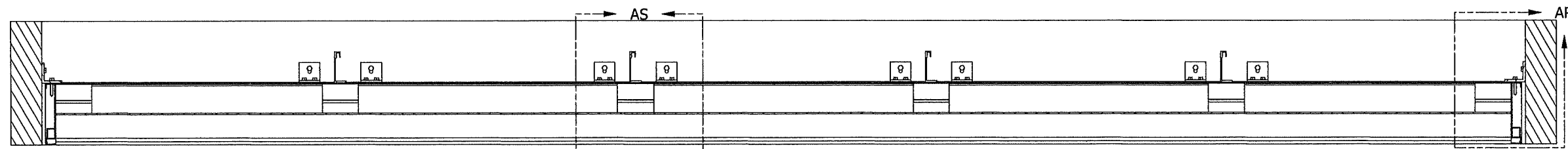
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL		PRODUCT	6375DC			
TITLE UNIVERSAL SLEEVE INSTALLATION DETAILS						
	SIZE D	DWG NO 60-022283-00B	REV E			
SCALE NONE	DRAWN	SHEET 25 OF 32				



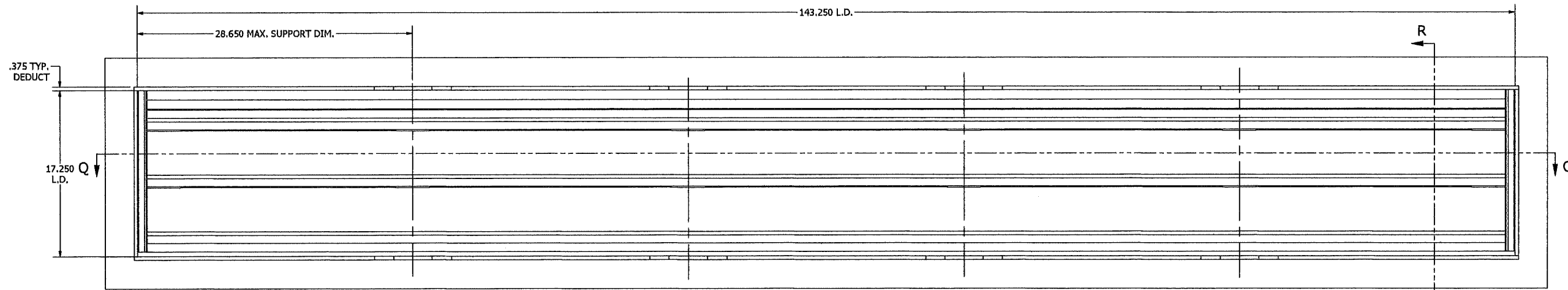
JEFFREY DEVON SMITH, P.E.
NO. 91182



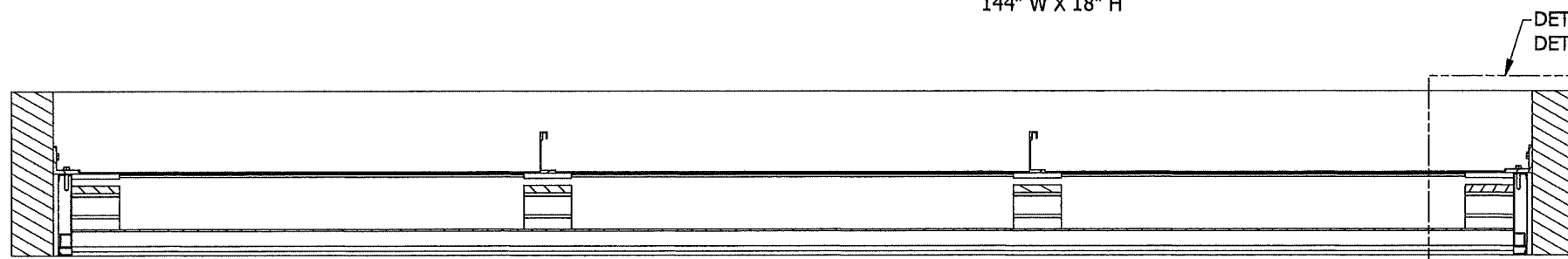
SECTION R-R



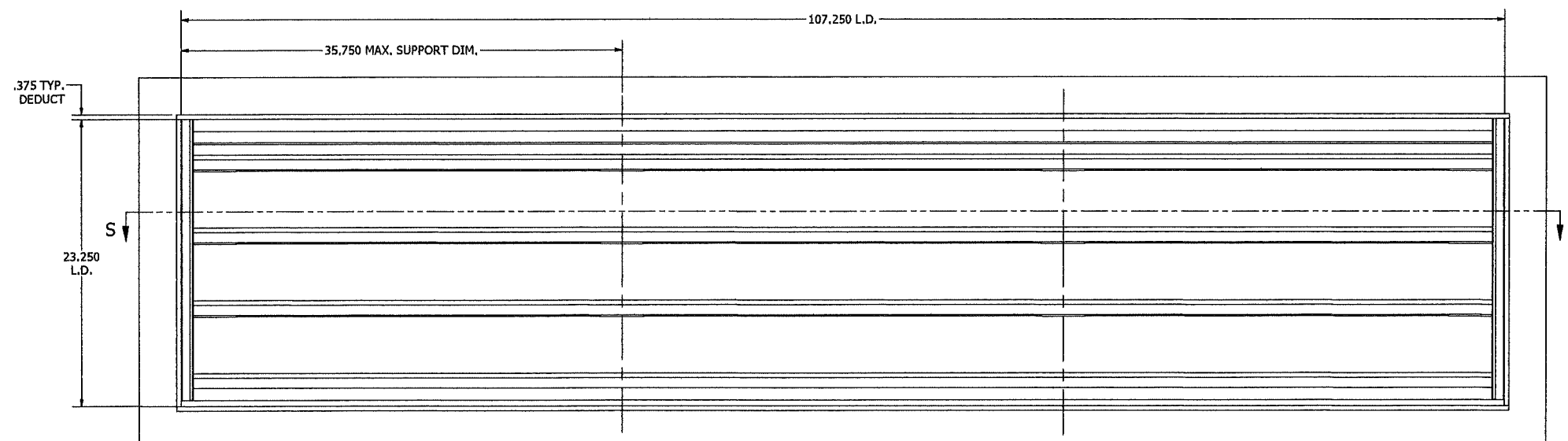
SECTION Q-Q



ASSEMBLY "D" - SINGLE SECTION ASSEMBLY - FOR 150PSF WINDLOAD
144" W X 18" H

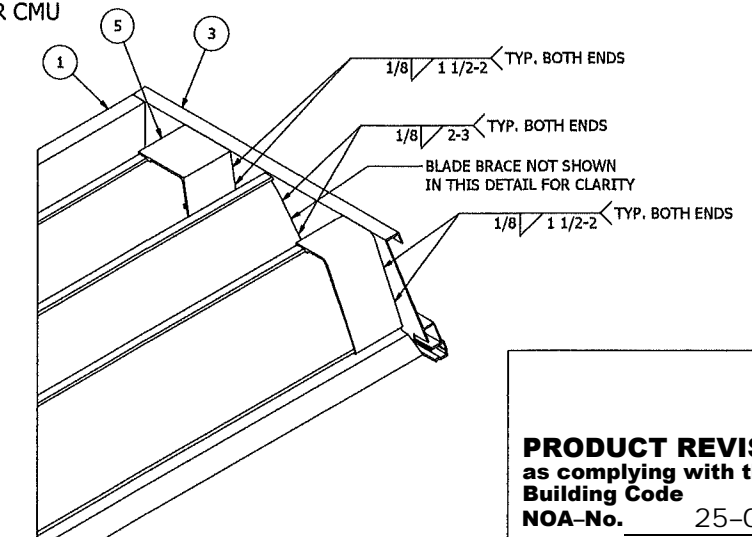


SECTION S-S



ASSEMBLY "E" - SINGLE SECTION ASSEMBLY - FOR 150PSF WINDLOAD
108" W X 24" H

DETAIL AT/27 FOR CONCRETE
DETAIL AU/27 FOR CMU



BLADE BRACE WELDING DETAIL
(ASSEMBLY D & E)

PRODUCT REVISED
as complying with the Florida
Building Code

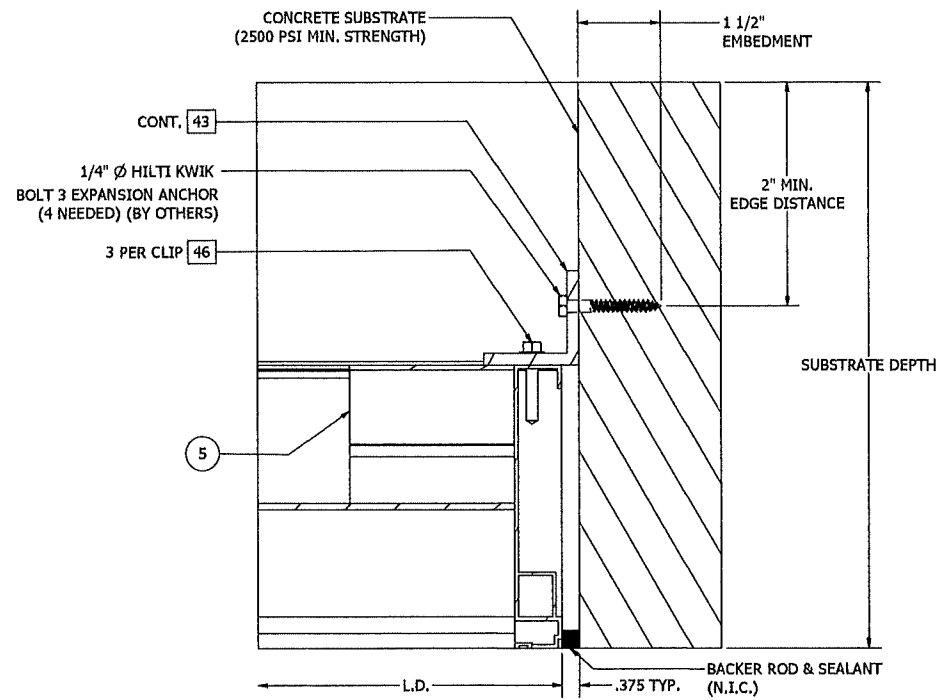
NOA-No. 25-0929.01

Expiration Date 07/09/2030

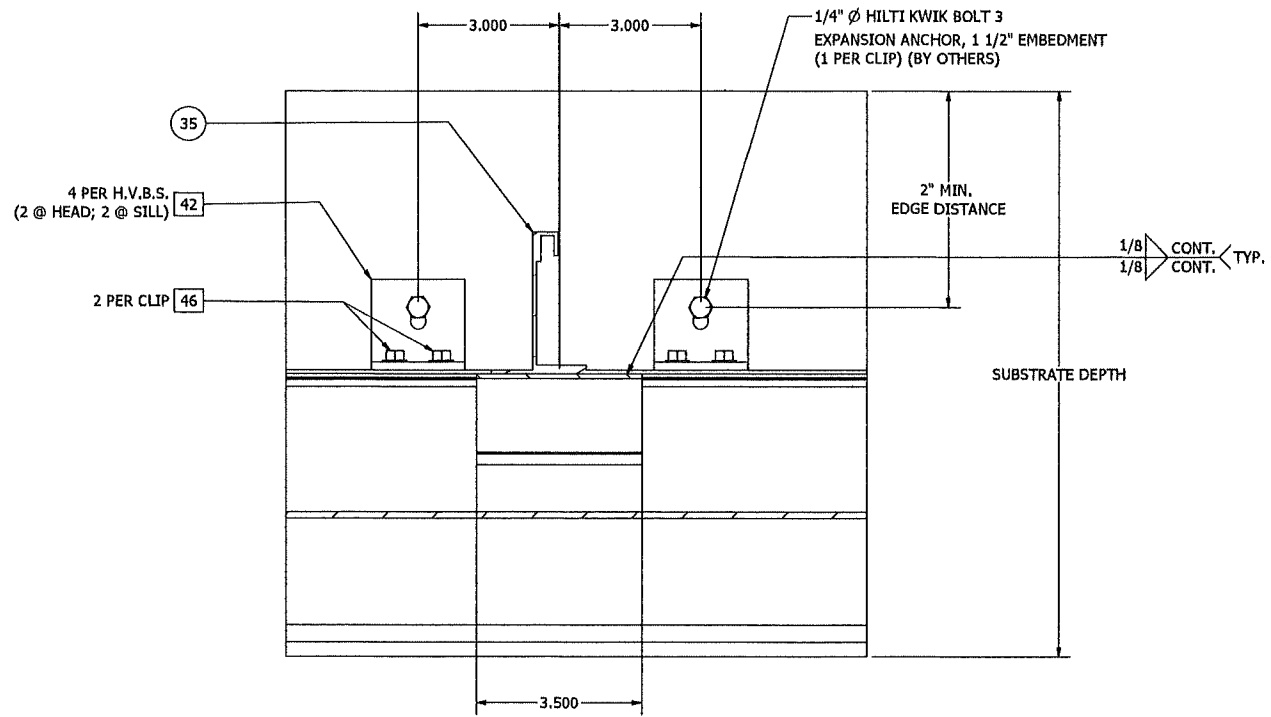
By *[Signature]*
Miami-Dade Product Control

AUTHOR	DJR	2/17/2012		1300 Enterprise Road, Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL	
CHECKED	DRP	3/23/2012			
APPROVED	DRP	3/23/2012			
APPROVED	DRP	3/23/2012			
TITLE	ASSEMBLY "D" & "E" - SINGLE SECTION ASSEMBLY - 150PSF			PRODUCT	6375DC
SIZE	D	DWG NO	60-022283-00B	REV	E
SCALE	NONE	INVENTOR	SHEET 26 OF 32		

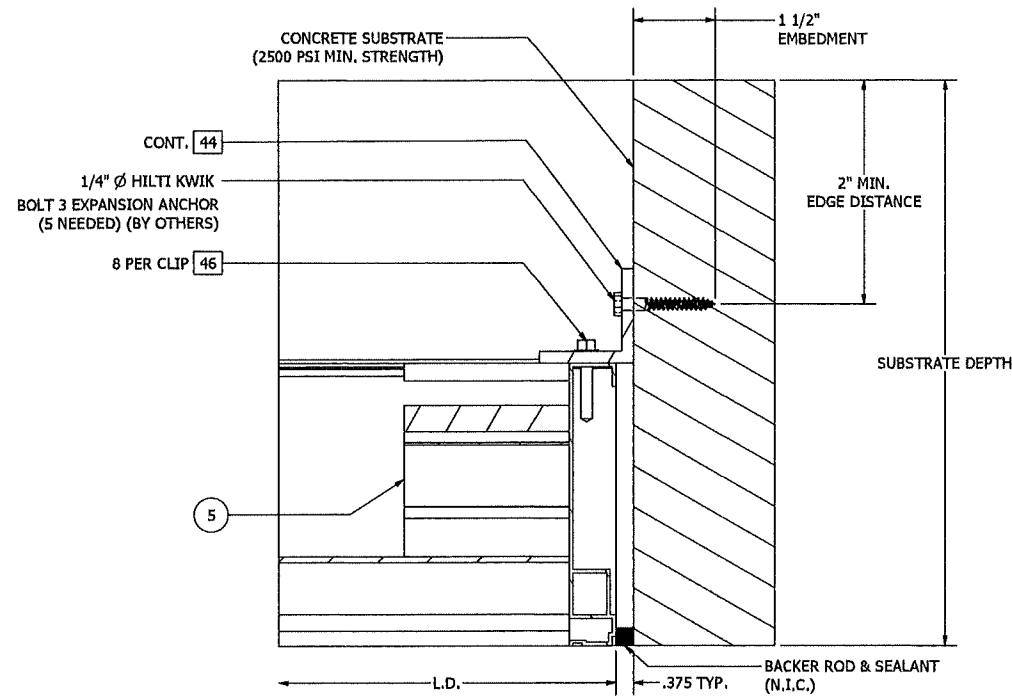
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007



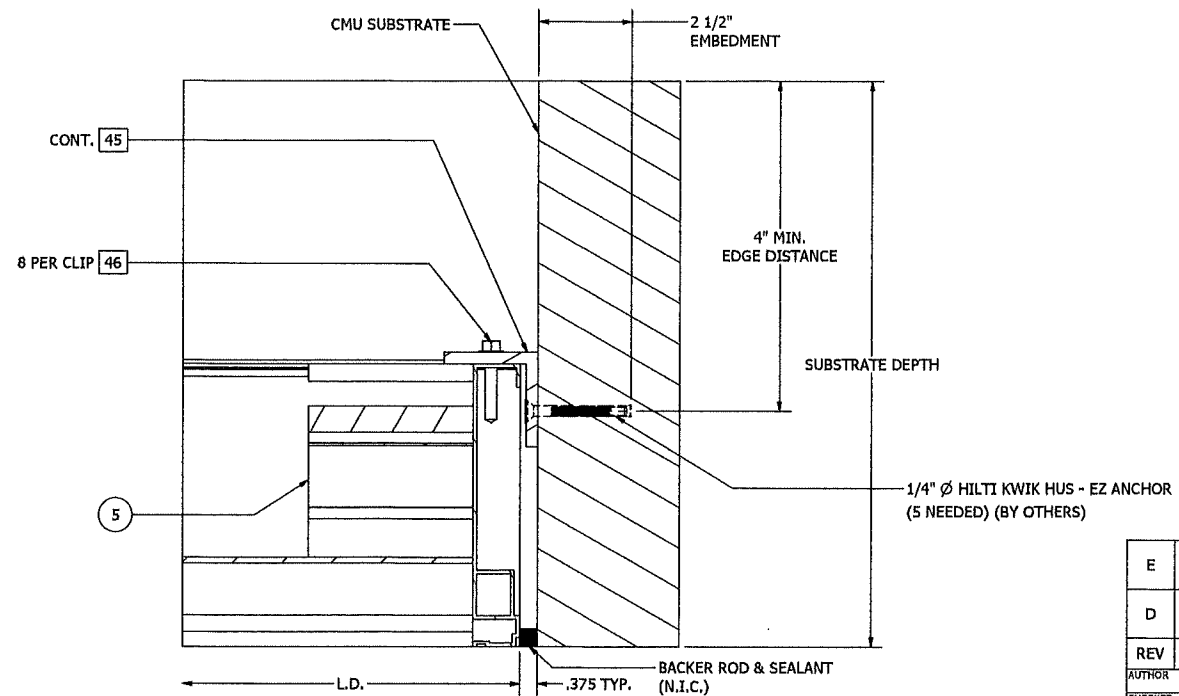
DETAIL AR
JAMB CLIPS INSTALL DETAIL
(ASSEMBLY D)



DETAIL AS
H.V.B.S. CLIP ATTACHMENT DETAIL
(ASSEMBLY D ONLY)

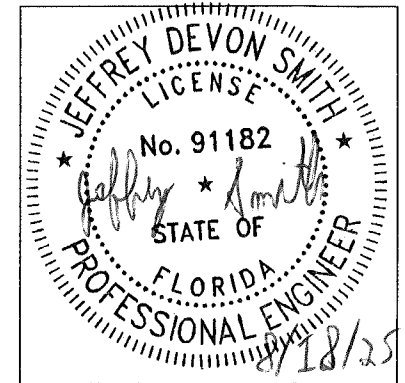


DETAIL AT
JAMB CLIPS INSTALL DETAIL - CONCRETE SUBSTRATE
(ASSEMBLY E)



DETAIL AU
JAMB CLIPS INSTALL DETAIL - CMU SUBSTRATE
(ASSEMBLY E)

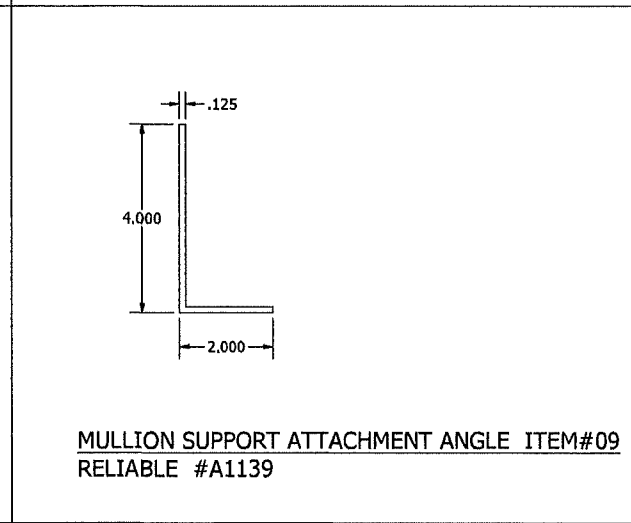
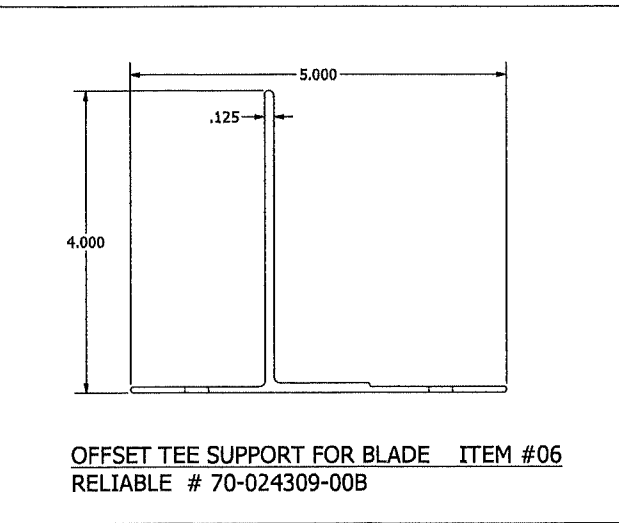
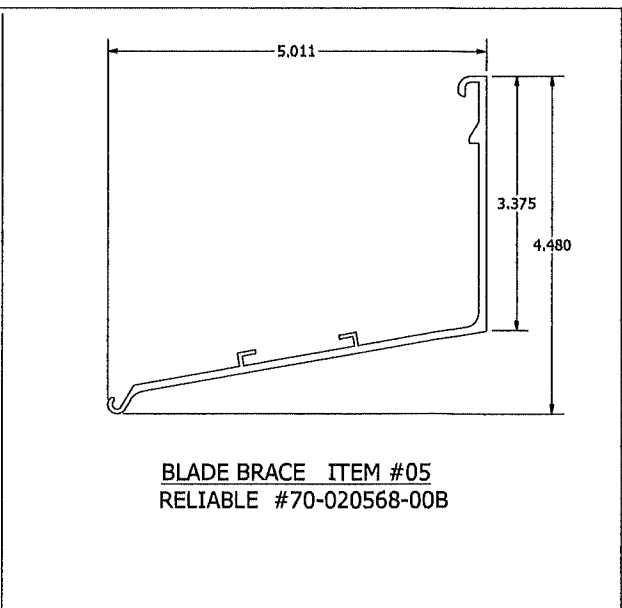
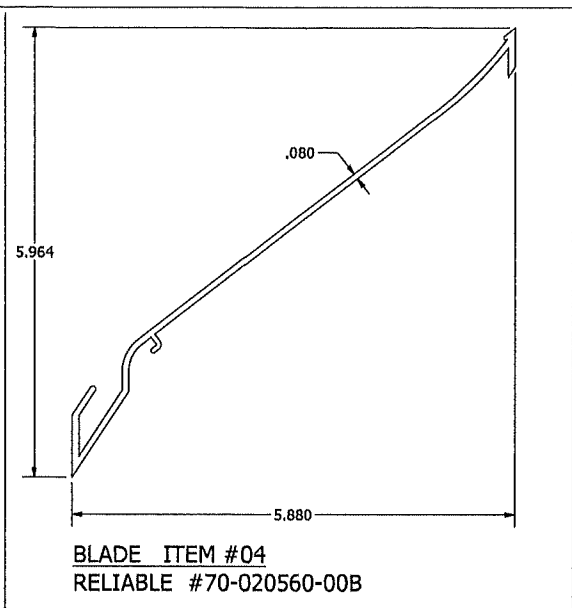
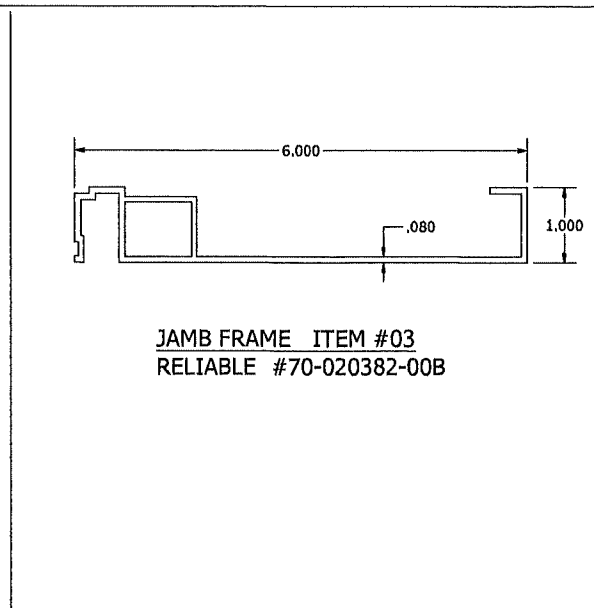
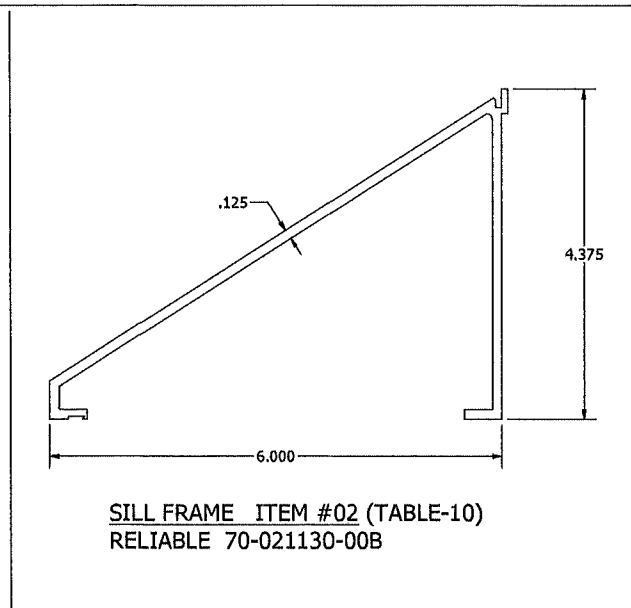
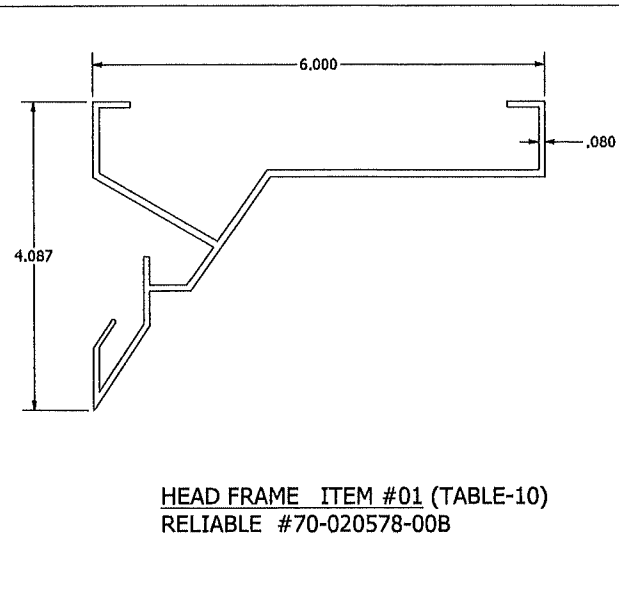
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control



JEFFREY DEVON SMITH, P.E.
NO. 91182

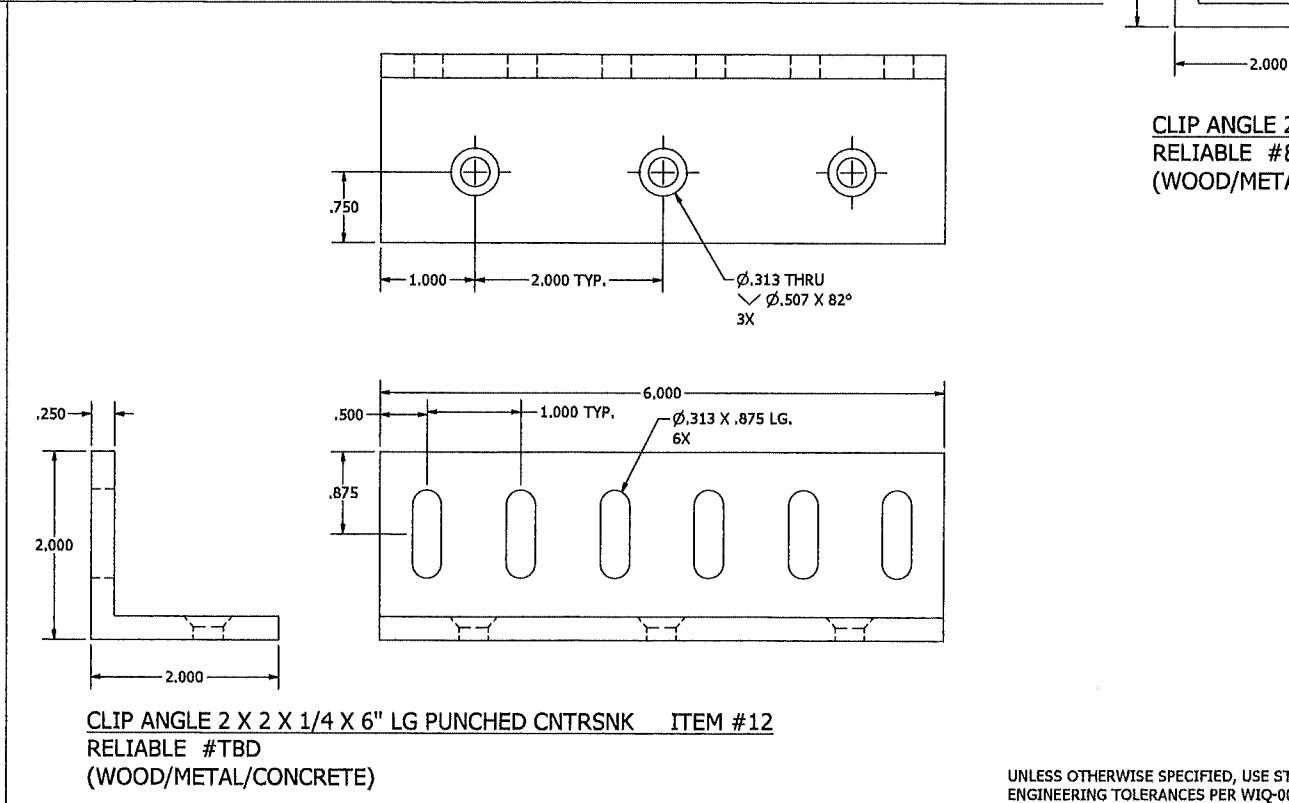
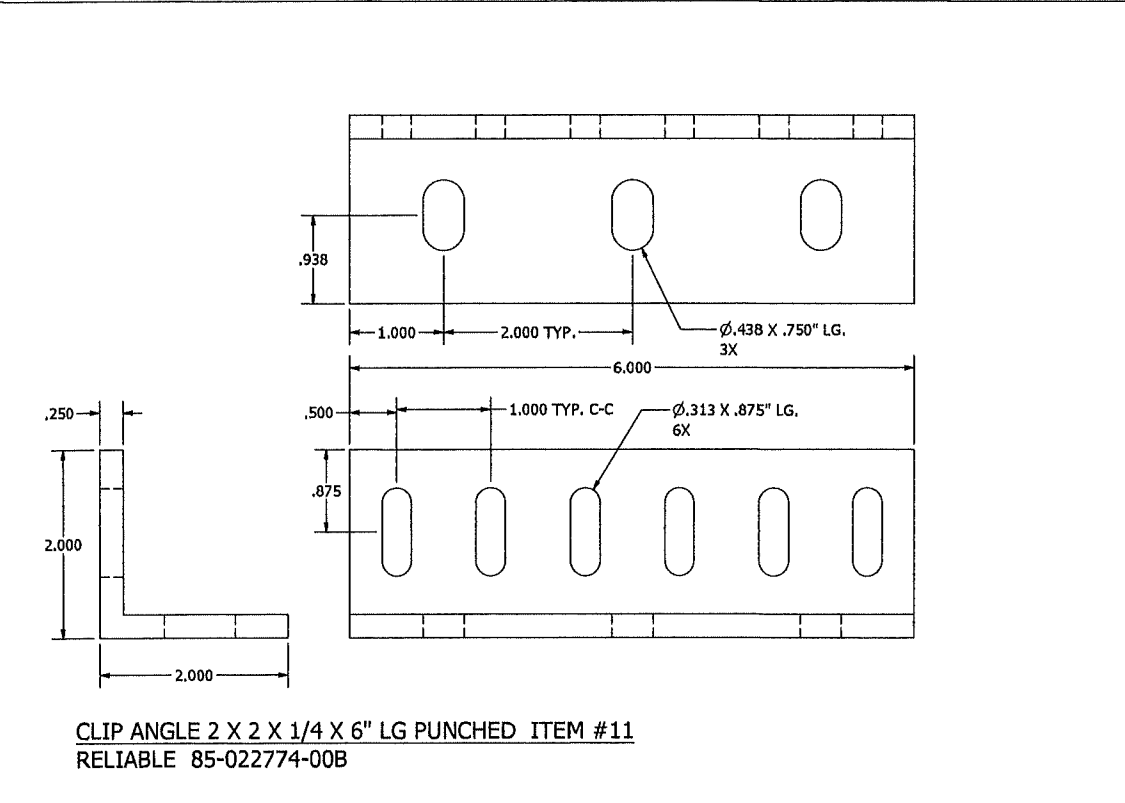
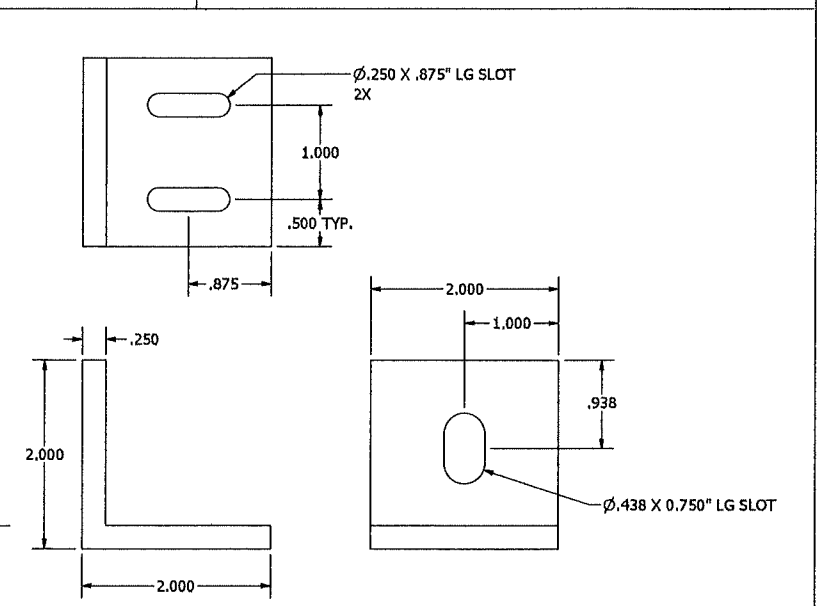
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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
	PRODUCT	6375DC				
	TITLE	ASSEMBLY "D" & "E" - DETAILS - 150PSF				
	SIZE	D	DWG NO	60-022283-00B		
	SCALE	NONE	INVENTOR	SHEET 27 OF 32		
ECH	XXXXX					

UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



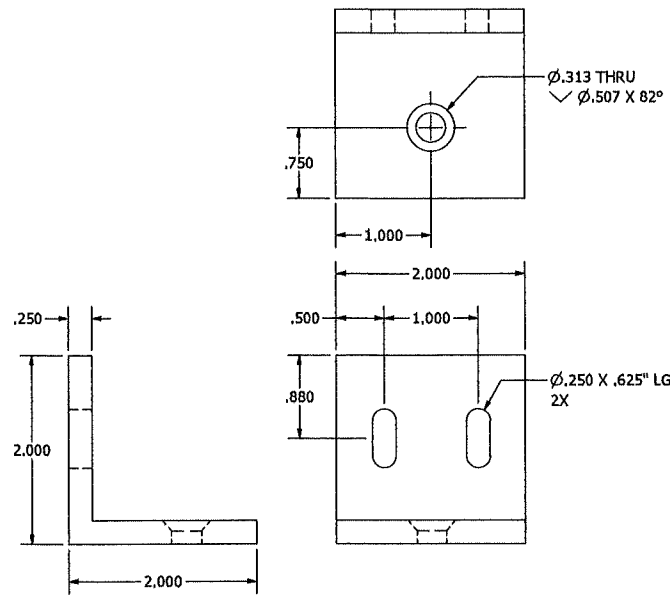
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

JEFFREY DEVON SMITH, P.E.
NO. 91182

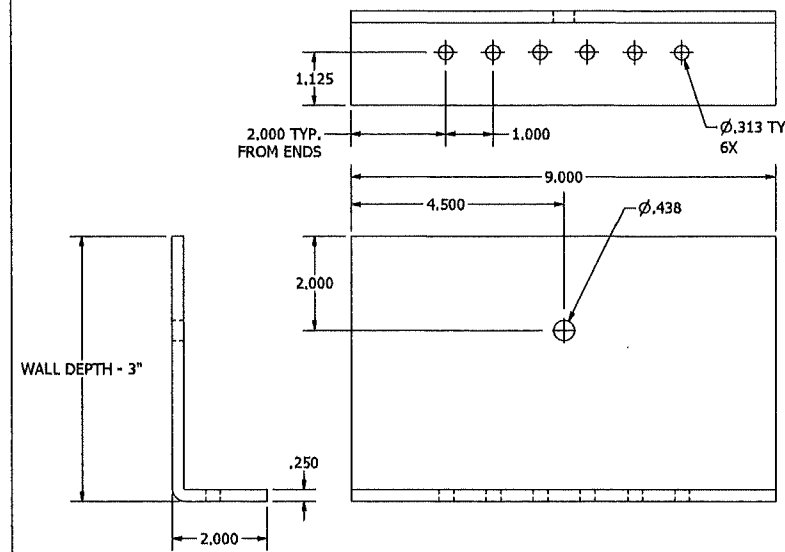


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D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
CHECKED	DJR 2/17/2012					
APPROVED	DRP 3/23/2012					
APPROVED	DRP 3/23/2012					
MATERIAL	PRODUCT	6375DC				
	TITLE	6375DC - PARTS				
	SIZE	DWG NO	REV			
	D	60-022283-00B	E			
	SCALE	NONE	INVENTOR	SHEET 28 OF 32		

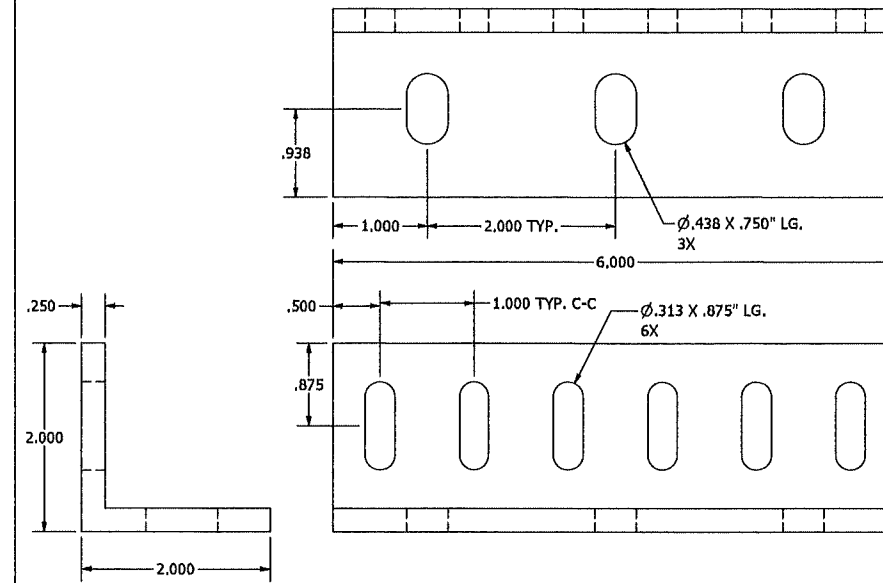
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



CLIP ANGLE 2 X 2 X 1/4 X 2" LG CNTRS NK ITEM #14
 RELIABLE #85-023017-00B
 (WOOD/METAL/CONCRETE/12" CMU)

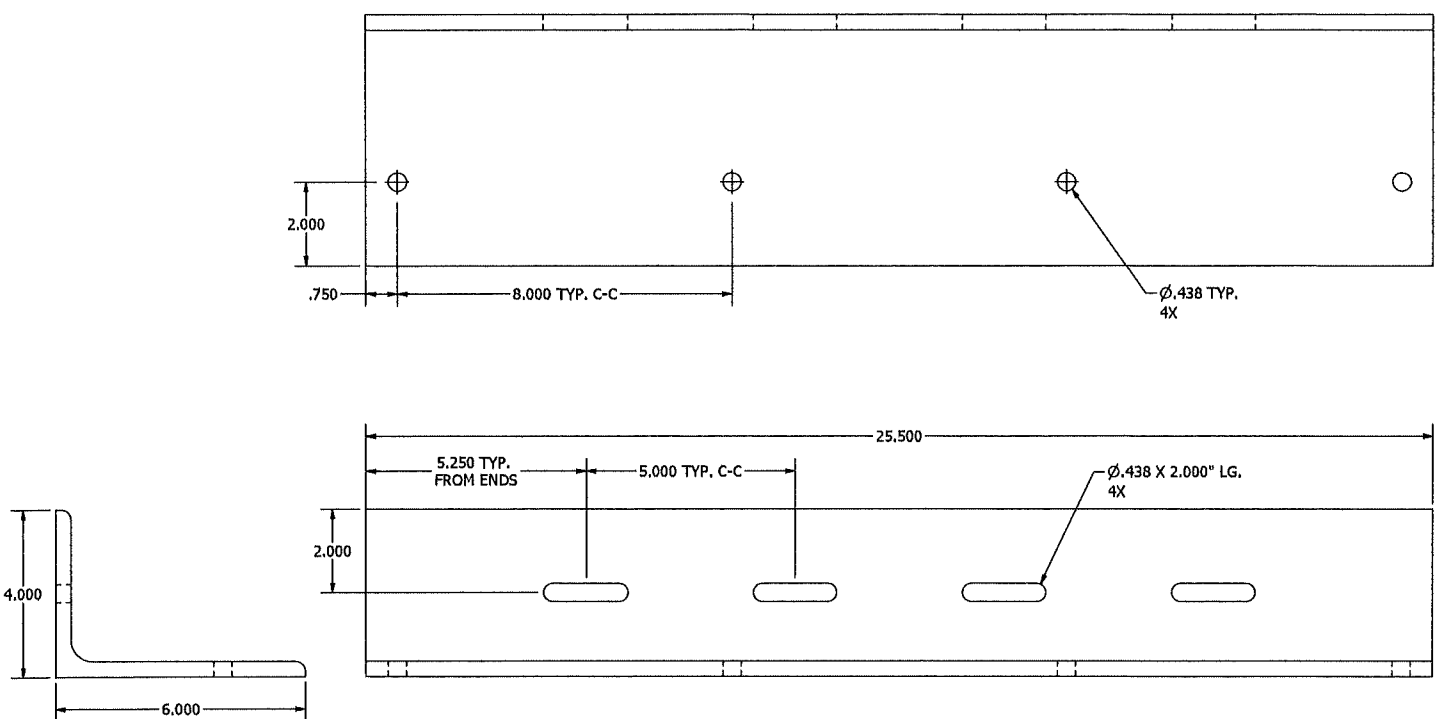


CMU ATTACHMENT ANGLE - HEAD/SILL ITEM #16
 RELIABLE #85-023366-00B
 (6, 8, 10 & 12 IN GROUT-FILLED CMU)

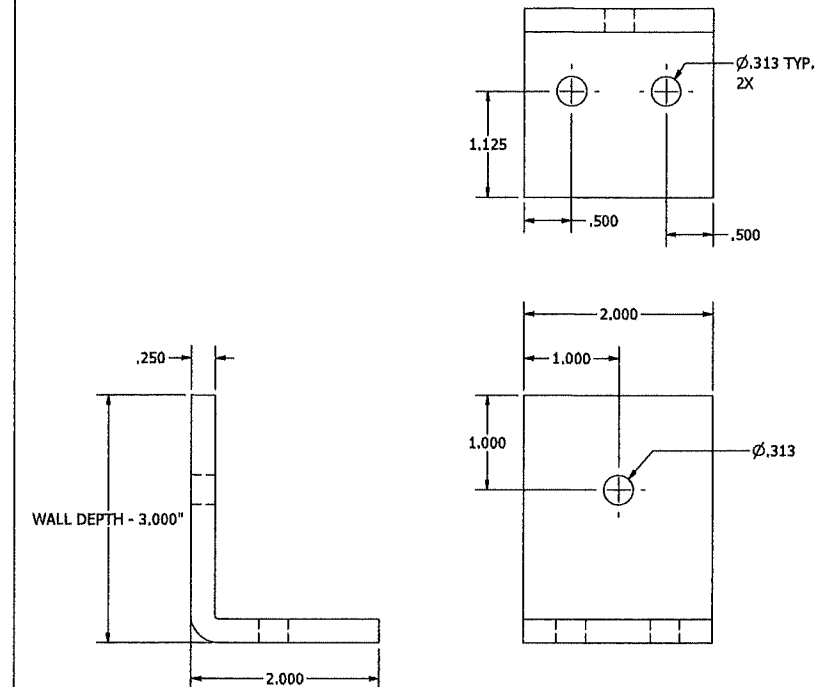


CLIP ANGLE 2 X 2 X 1/4 X 6" LG PUNCHED ITEM #17
 RELIABLE 85-022774-00B

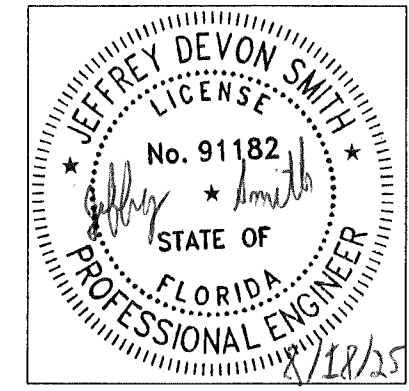
PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 25-0929.01
 Expiration Date 07/09/2030
 By *[Signature]*
 Miami-Dade Product Control



STRUCTURAL ATTACHMENT ANGLE - HEAD/SILL ITEM #15
 RELIABLE #85-023365-00B
 (6, 8, 10 & 12 IN GROUT-FILLED CMU)



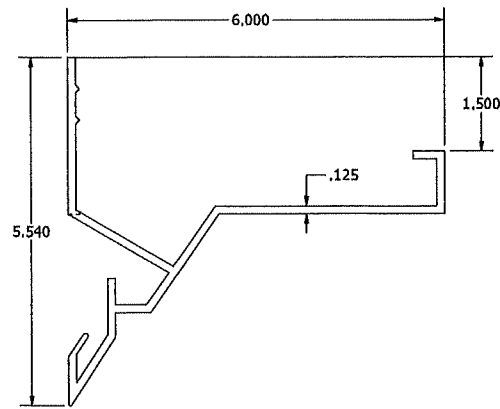
CMU ATTACHMENT ANGLE - JAMBS ITEM #19
 RELIABLE #85-023367-00B
 (GROUT-FILLED CMU)



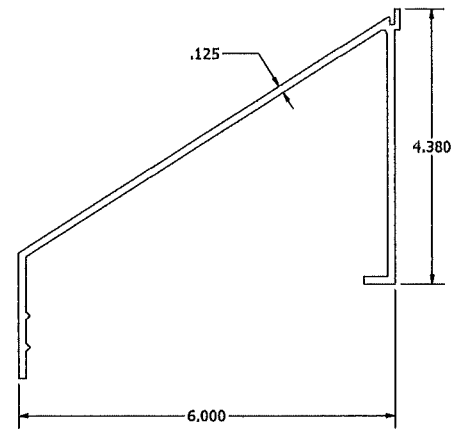
JEFFREY DEVON SMITH, P.E.
 NO. 91182

REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL		PRODUCT	6375DC			
		TITLE	6375DC - PARTS			
		SIZE	DWG NO	REV		
		D	60-022283-00B	E		
SCALE	NONE	INVENTOR	SHEET 29 OF 32			

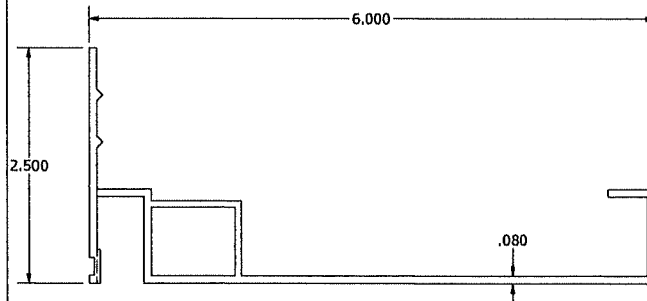
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



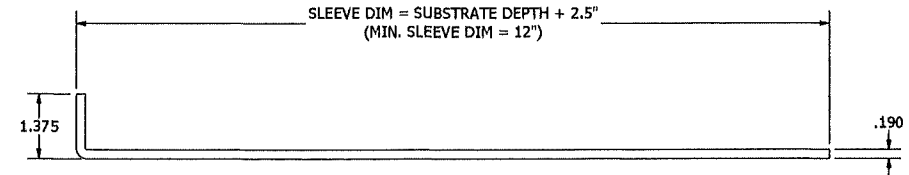
HEAD FRAME W/INTEGRAL FLANGE ITEM #26
RELIABLE #70-020838-00B



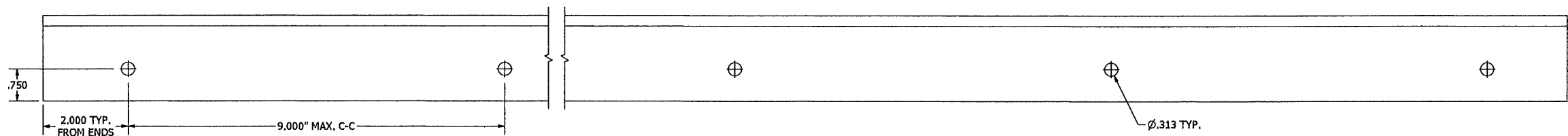
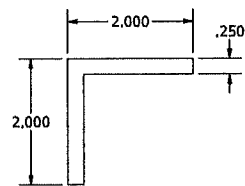
SILL FRAME W/INTEGRAL FLANGE ITEM #27
RELIABLE #70-021129-00B



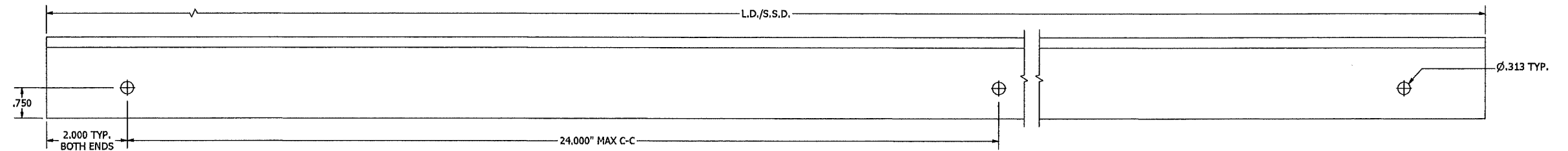
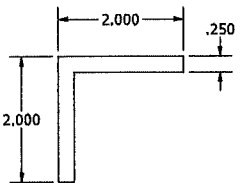
JAMB FRAME W/INTEGRAL FLANGE ITEM #28
RELIABLE #70-020470-00B



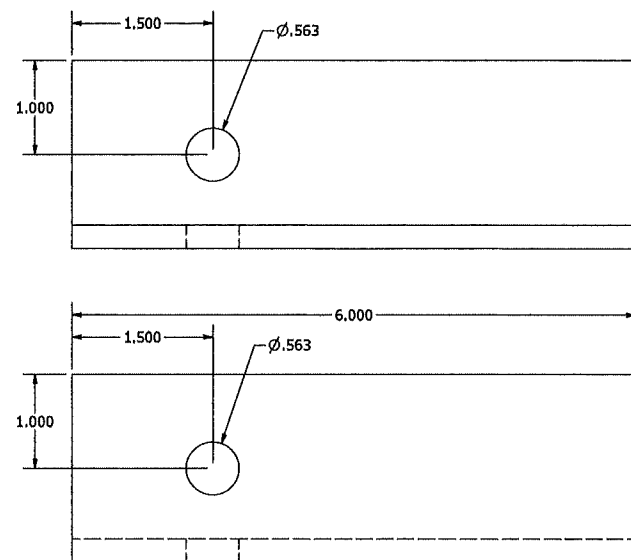
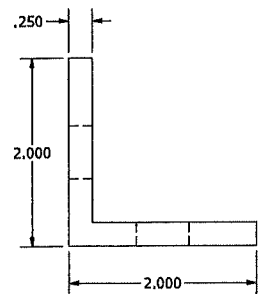
UNIVERSAL SLEEVE ITEM #29



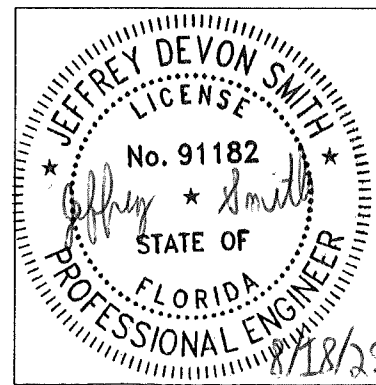
CONT. RETAINING ANGLE - HEAD/SILL ITEM #30
RELIABLE #85-023168-00B



CONT. RETAINING ANGLE - JAMBS ITEM #31
RELIABLE #85-023168-00B



UNIVERSAL SLEEVE ATTACHMENT ANGLE ITEM #32
RELIABLE #TBD

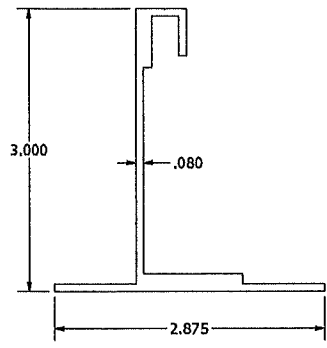


JEFFREY DEVON SMITH, P.E.
NO. 91182

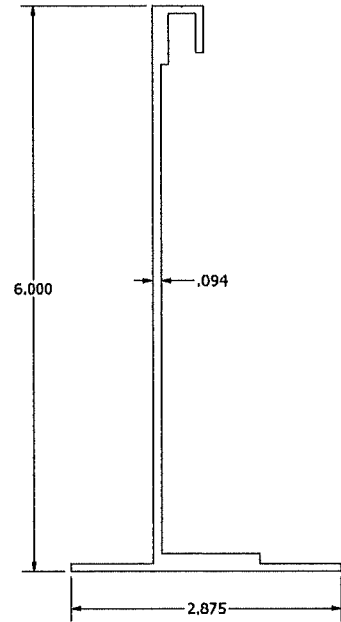
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT	6375DC					
TITLE	6375DC - PARTS					
SIZE	D	DWG NO	60-022283-00B		REV	E
SCALE	NONE	INVENTOR	SHEET 30		OF 32	

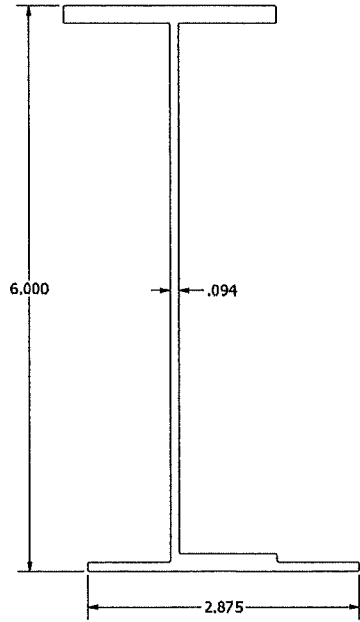
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ENGINEERING TOLERANCES PER WIQ-007



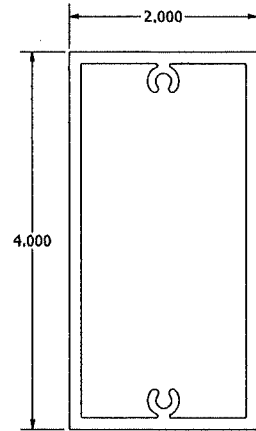
3" DOUBLE FLANGE
ITEM #35



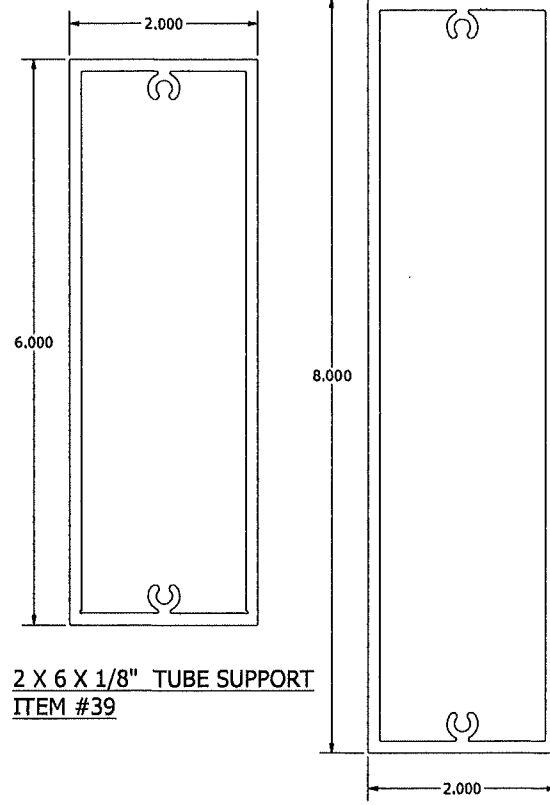
6" DOUBLE FLANGE
ITEM #36



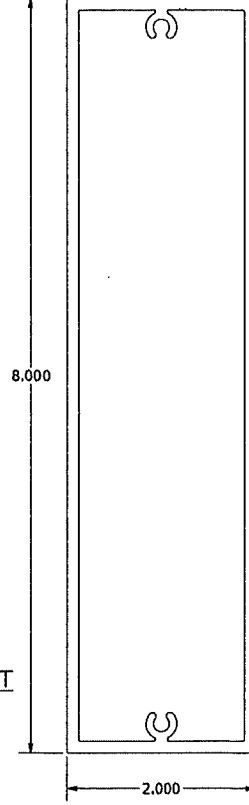
6" I SHAPE
ITEM #37



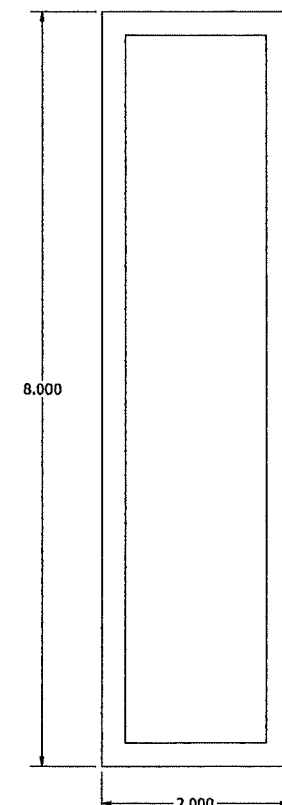
2 X 4 X 1/8" TUBE SUPPORT
ITEM #38



2 X 6 X 1/8" TUBE SUPPORT
ITEM #39

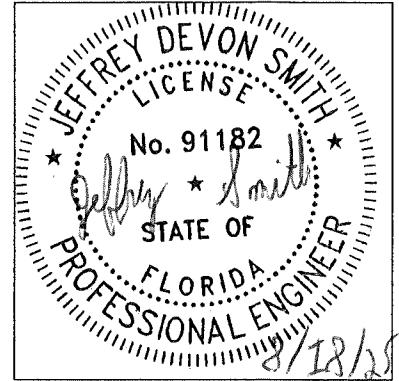


2 X 8 X 1/8" TUBE SUPPORT
ITEM #40

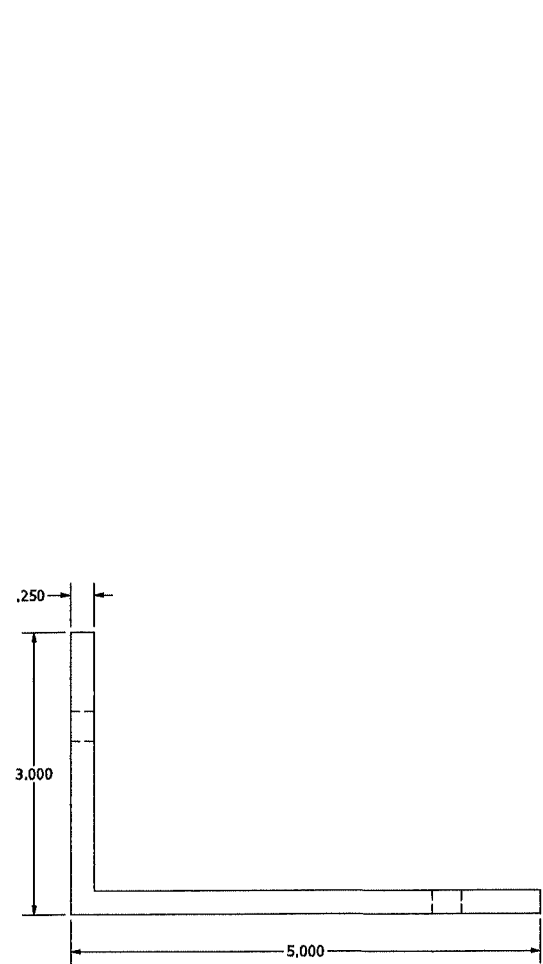


2 X 8 X 1/4" TUBE SUPPORT
ITEM #41

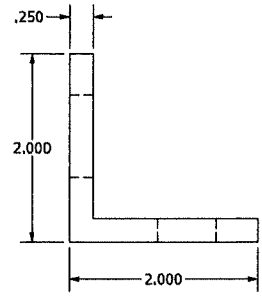
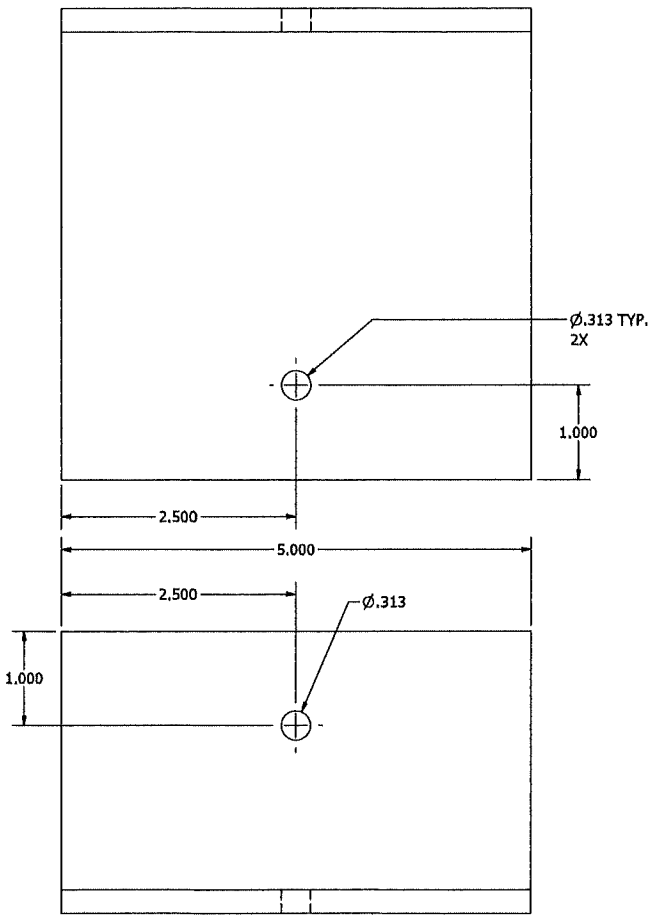
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-0929.01
Expiration Date 07/09/2030
By *[Signature]*
Miami-Dade Product Control



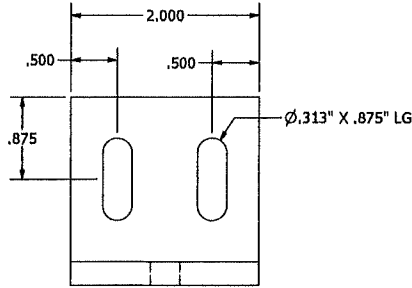
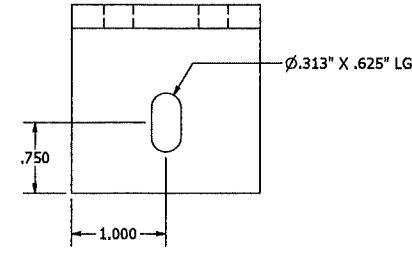
JEFFREY DEVON SMITH, P.E.
NO. 91182



ATTACHMENT ANGLE - JAMBS ITEM #18
RELIABLE #85-023368-00B
(GROUT-FILLED CMU)

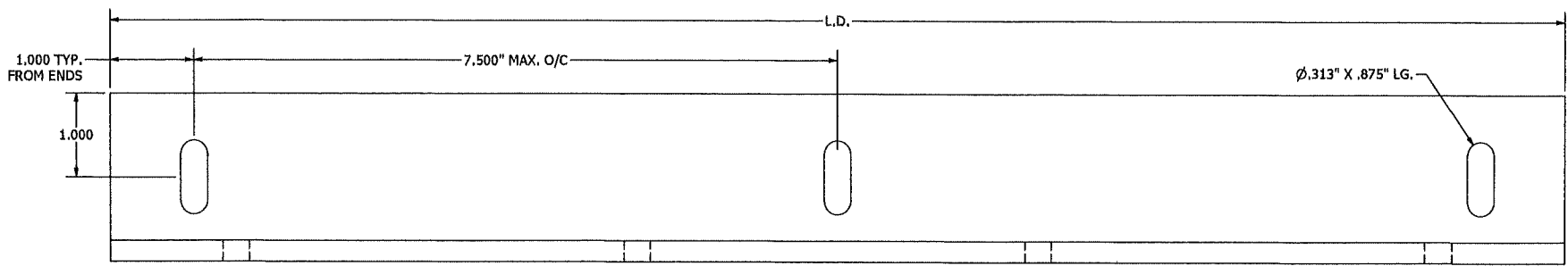
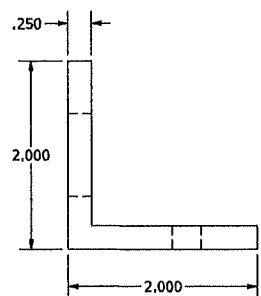


CLIP ANGLE 2 X 2 X 1/4 X 2" LG ITEM #42
RELIABLE #85-023433-00B

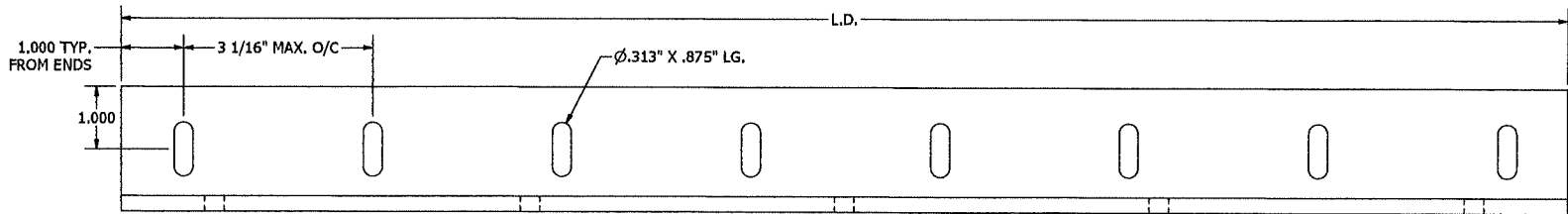
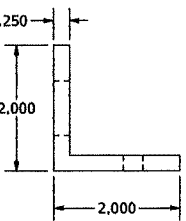
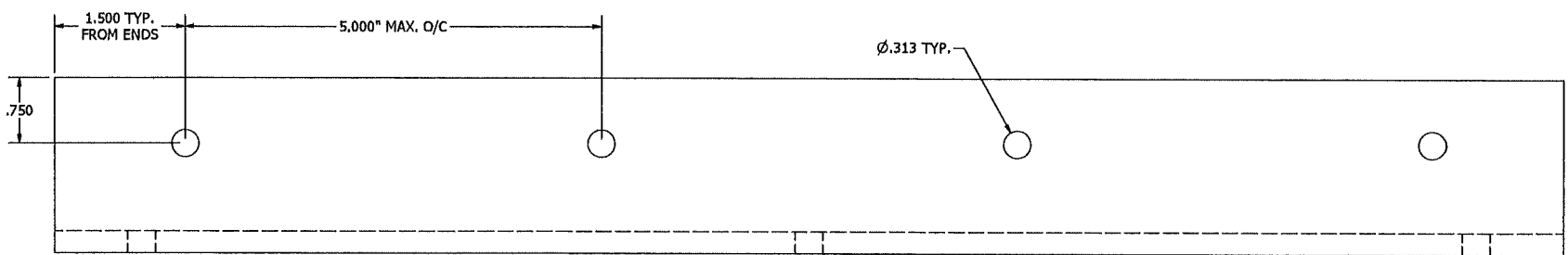


E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT	6375DC					
TITLE	6375DC - PARTS					
SIZE		DWG NO	60-022283-00B		REV	E
D		SCALE	NONE		INVENTOR	SHEET 31 OF 32
EEN	XXXXX					

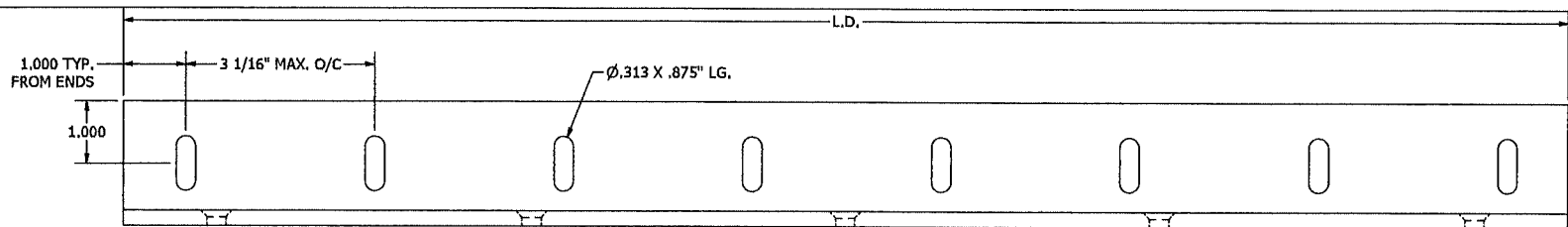
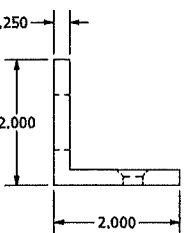
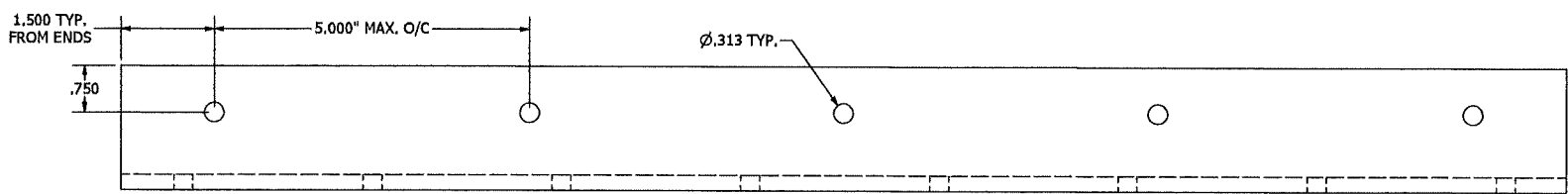
UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007



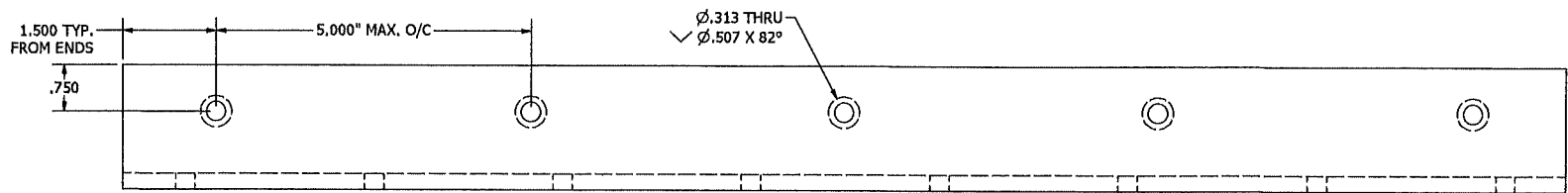
CLIP ANGLE 2 X 2 X 1/4 X CONT. ITEM #43
RELIABLE #TBD



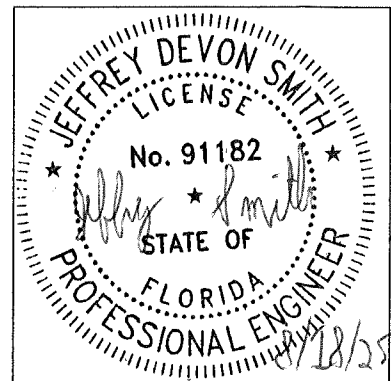
CLIP ANGLE 2 X 2 X 1/4 X CONT. ITEM #44
RELIABLE #TBD



CLIP ANG 2 X 2 X 1/4 X CONT. X CNTRS NK ITEM #45
RELIABLE #TBD



PRODUCT REVISED
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Expiration Date 07/09/2030
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NO. 91182

UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
D	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/17/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT	6375DC					
TITLE	6375DC - PARTS					
SIZE		DWG NO	60-022283-00B		REV	E
SCALE	NONE	INVENTOR	SHEET 32 OF 32			