



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

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 ELF6375DXD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022277-00B**, titled "ELF6375DXD Approval Drawings", sheets 1 through 32 of 32, dated 02/16/2026, prepared by Ruskin Company, 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 NOA # 25-0408.03** 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.**




04/16/26

NOA No. 26-0310.01
Expiration Date: July 9, 2031
Approval Date: April 23, 2026
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 Ruskin Company, 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. 26-0310.01
Expiration Date: July 9, 2031
Approval Date: April 23, 2026

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.
Product Control Examiner
NOA No. 26-0310.01
Expiration Date: July 9, 2031
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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 Ruskin Company, 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. 26-0310.01
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under 25-0408.03 and new

A. DRAWINGS

1. Drawing No. **60-022277-00B**, titled “ELF6375DXD Approval Drawings”, sheets 1 through 32 of 32, dated 02/16/2026, prepared by Ruskin Company, 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. **S0188.01-801-18 r0**, dated 12/17/2024, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

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.

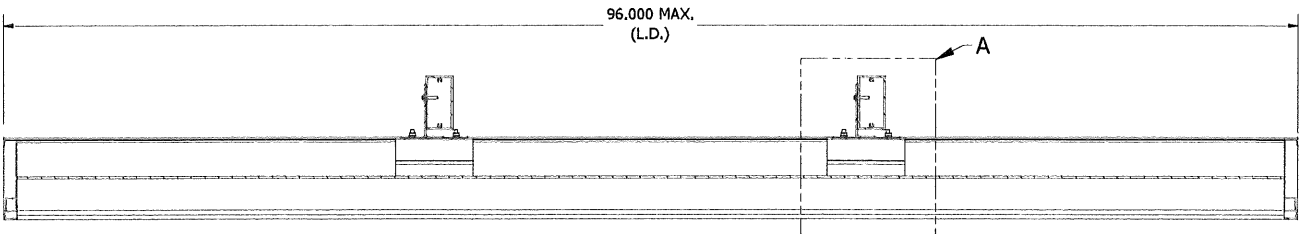
F. STATEMENTS

3. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Ruskin Company, dated 02/23/2026, signed and sealed by Jeffrey D. Smith, P.E.
4. Statement letter of no financial interest, issued by Ruskin Company, dated 02/23/2026, signed and sealed by Jeffrey D. Smith, P.E.

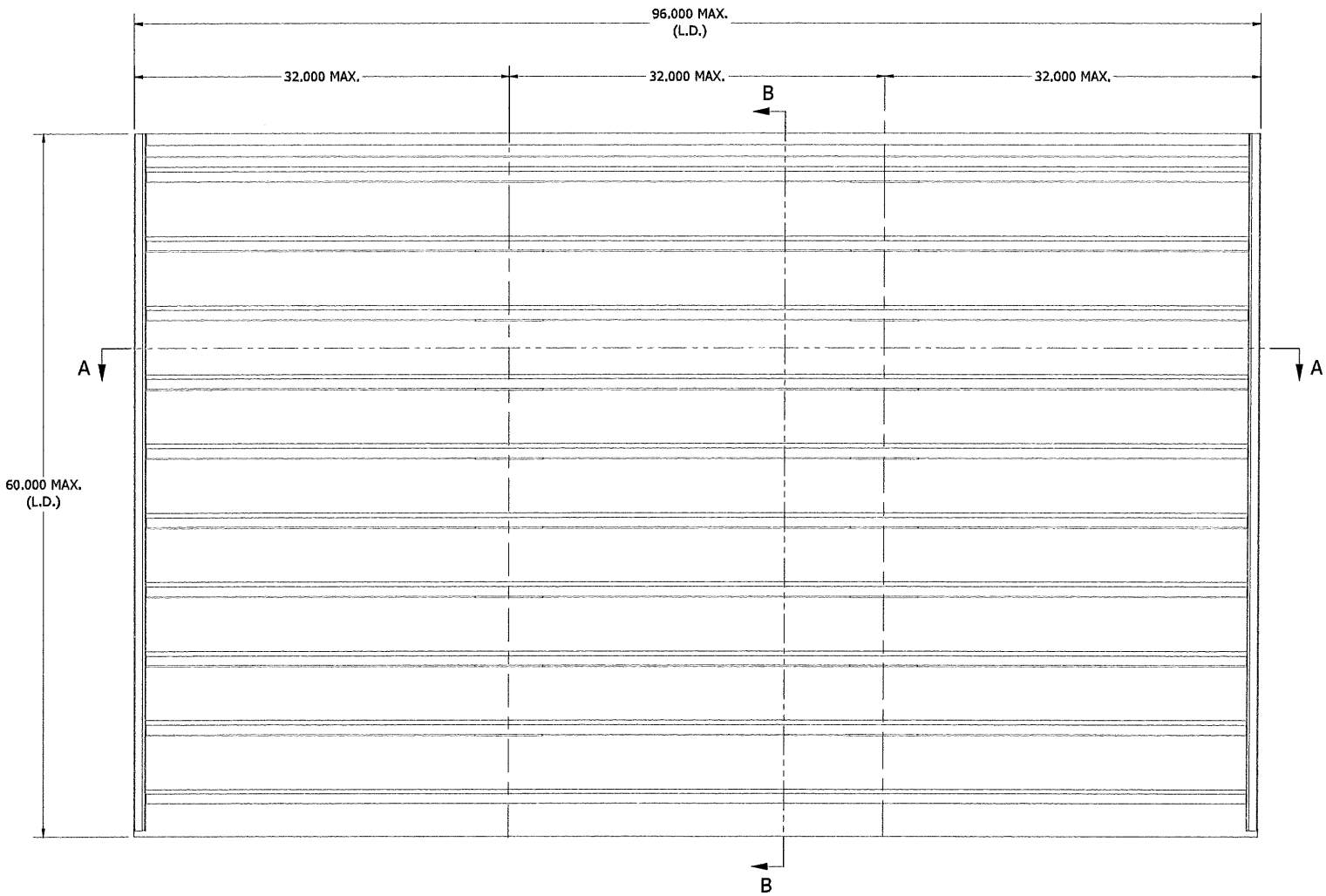


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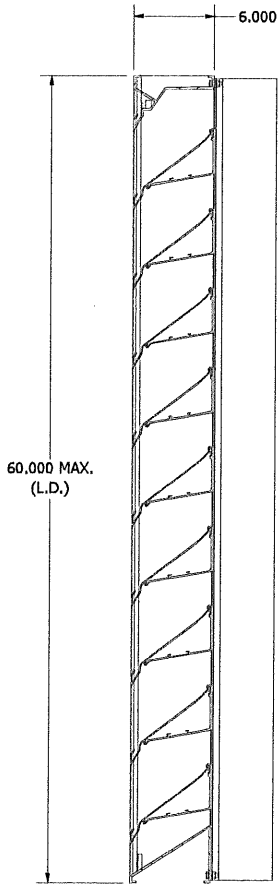
100PSF WINDLOAD - JAMB ONLY ATTACHMENT



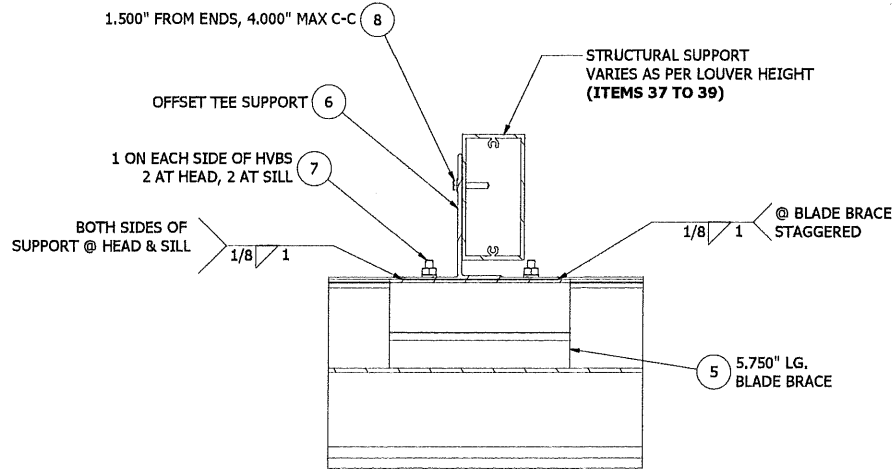
SECTION A-A



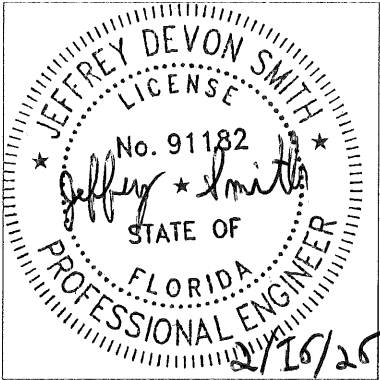
ASSEMBLY "A" - SINGLE SECTION VIEW-FOR WINDLOAD-100PSF_JAMB ONLY ATTACHMENT
LOUVER SIZE - 96.000" W X 60.000" H



SECTION B-B



DETAIL A
HVBS CONNECTION DETAIL



JEFFREY DEVON SMITH, P.E.
NO. 91182

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01

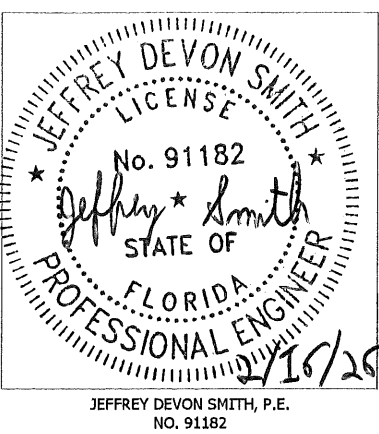
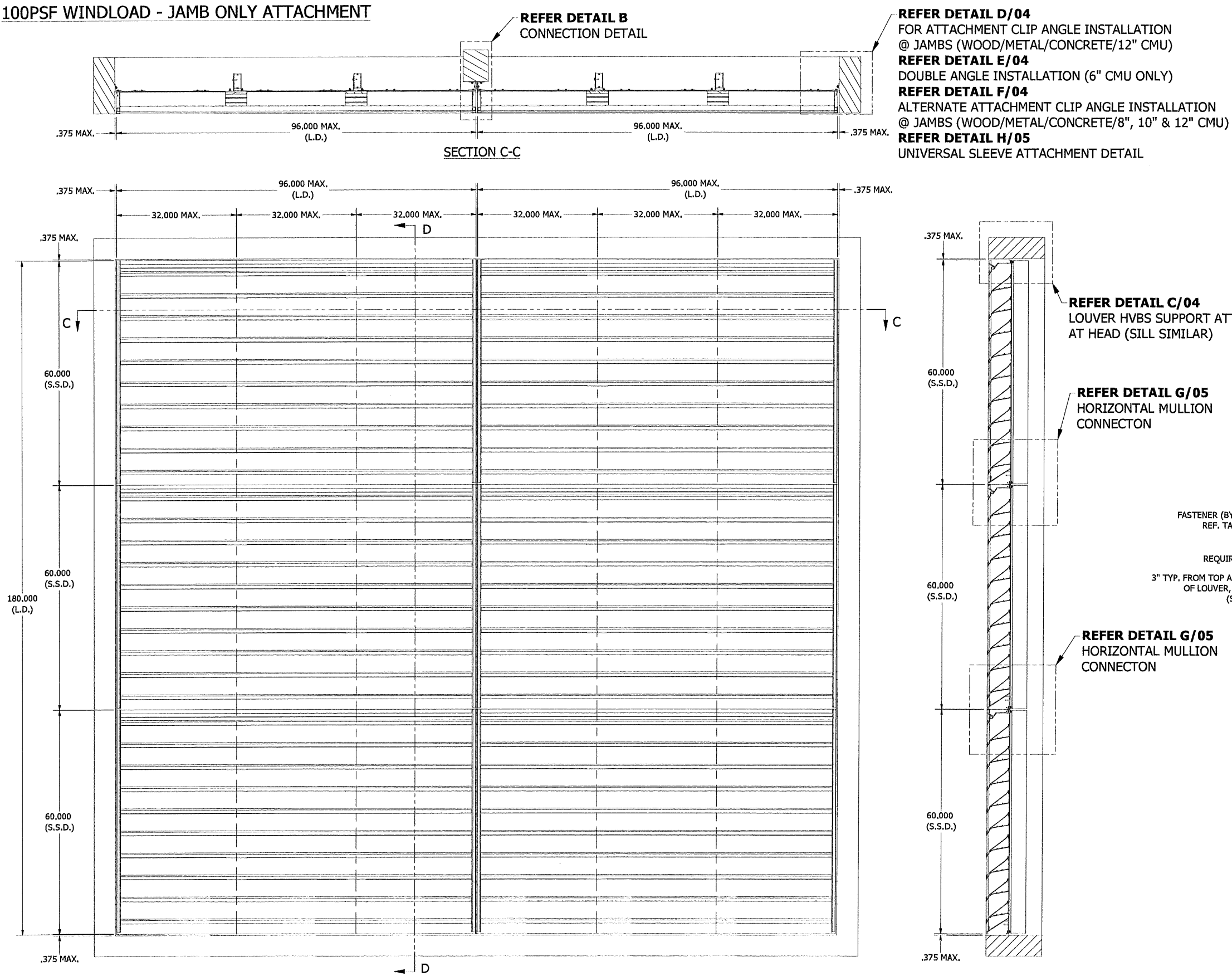
Expiration Date 07/09/2031

By *[Signature]*
Miami-Dade Product Control

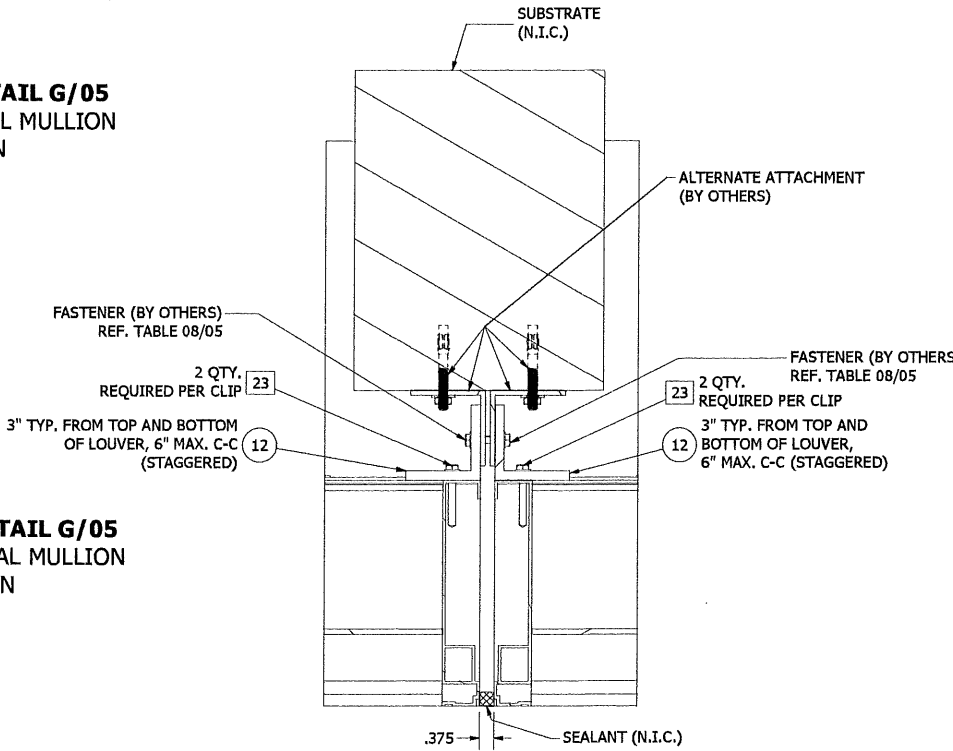
J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR 2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL				
CHECKED	DRP 3/23/2012					
APPROVED	DRP 3/23/2012					
MATERIAL		PRODUCT ELF63750XD				
		TITLE ASSEMBLY "A" - BASIC ASSEMBLY & DETAILS - 100PSF (JAMB ONLY ATTACHMENT)				
		SIZE D	DWG NO	60-022277-00B	REV J	
ECN	13705	SCALE	NONE	INVENTOR	SHEET 2 OF 32	

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

100PSF WINDLOAD - JAMB ONLY ATTACHMENT



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0310.01**
Expiration Date **07/09/2031**
By *[Signature]*
Miami-Dade Product Control



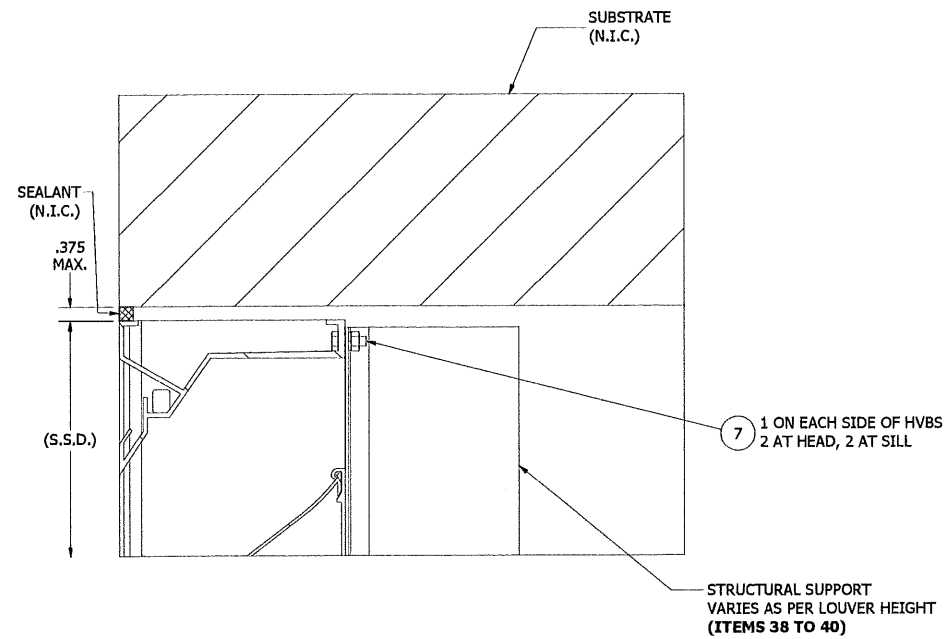
DETAIL B
CONNECTION DETAIL

ASSEMBLY "A" - MULTI SECTION VIEW-FOR WINDLOAD-100PSF_JAMB ONLY ATTACHMENT
MAX. SHIP SECTION - 96,000" W X 60,000" H

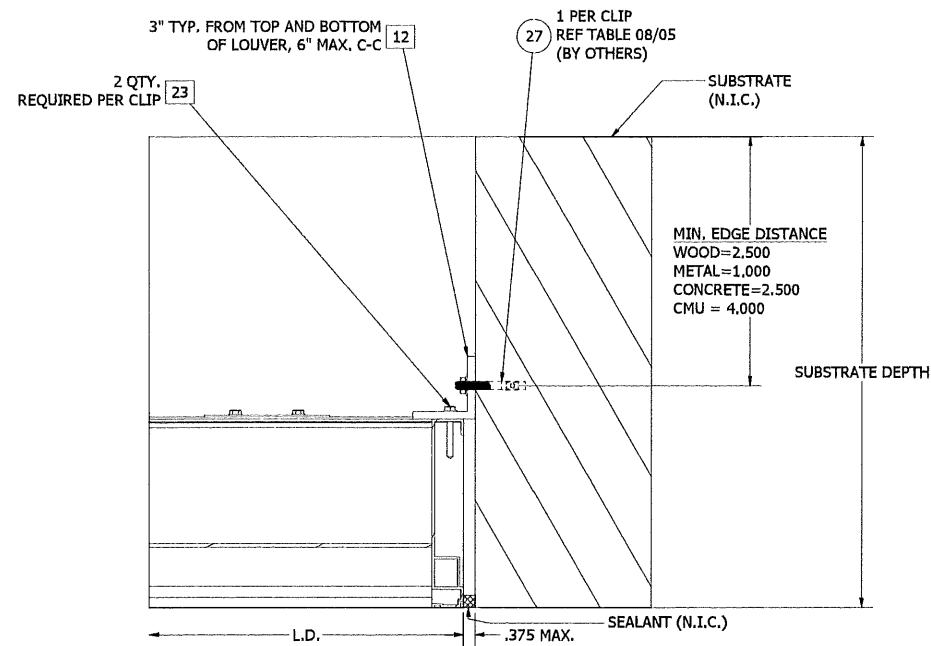
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT	ELF6375DXD					
TITLE	ASSEMBLY "A" - MULTI SECTION ASSEMBLY - 100PSF (JAMB ONLY ATTACHMENT)					
SIZE	D	DWG NO	60-022277-00B		REV	J
SCALE	NONE	INVENTOR	SHEET 3 OF 32			
BEN	13705					

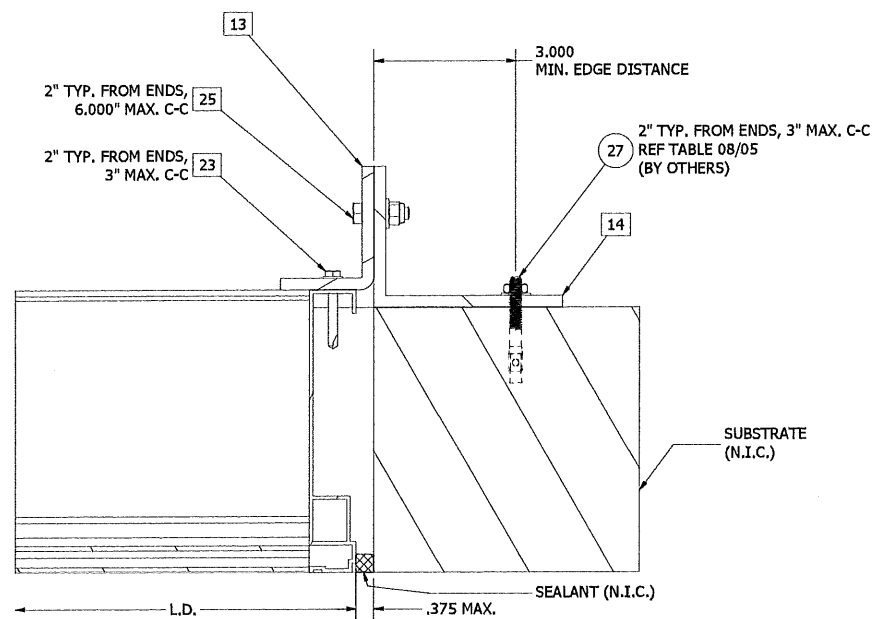
100PSF WINDLOAD - JAMB ONLY ATTACHMENT



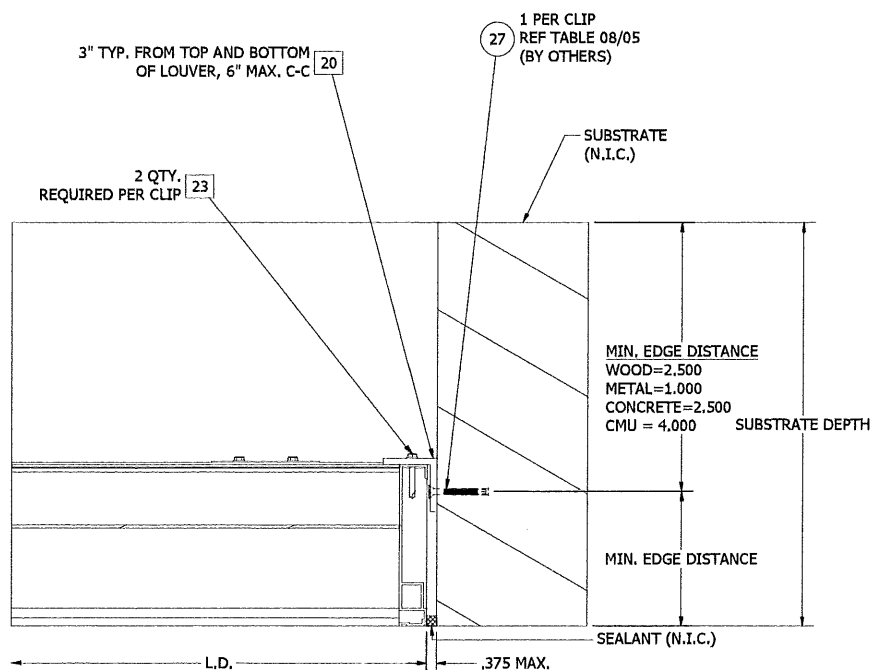
DETAIL C
LOUVER HVBS SUPPORT ATTACHMENT AT HEAD (SILL SIMILAR)



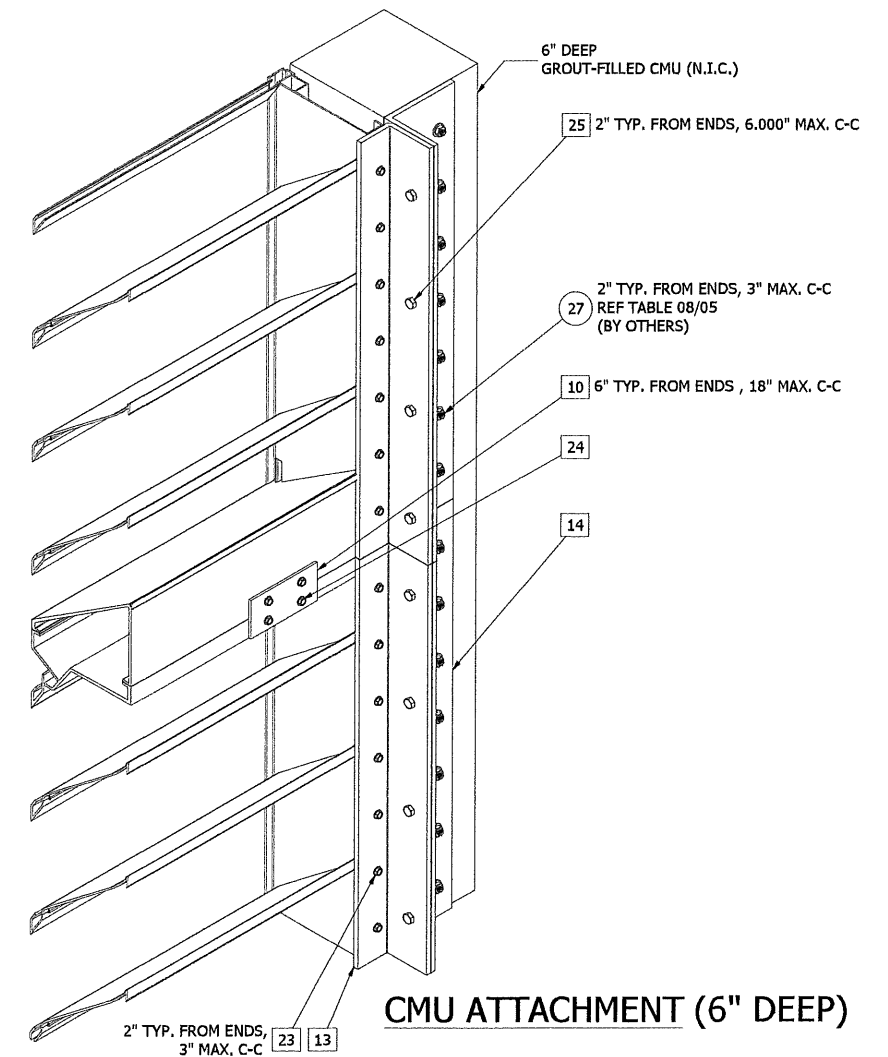
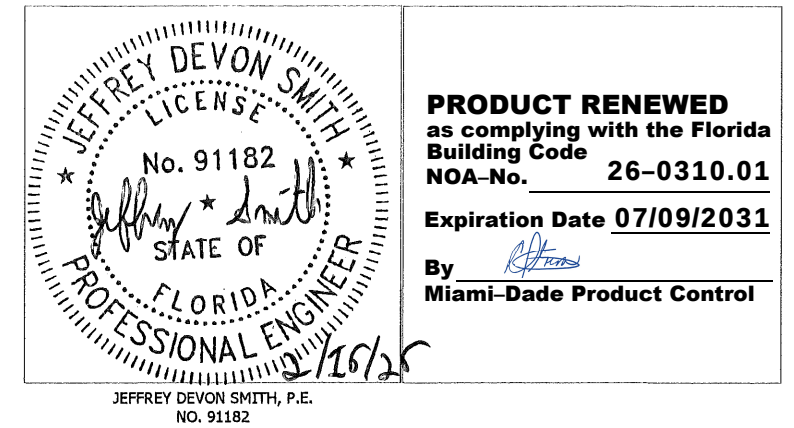
DETAIL D
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME



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



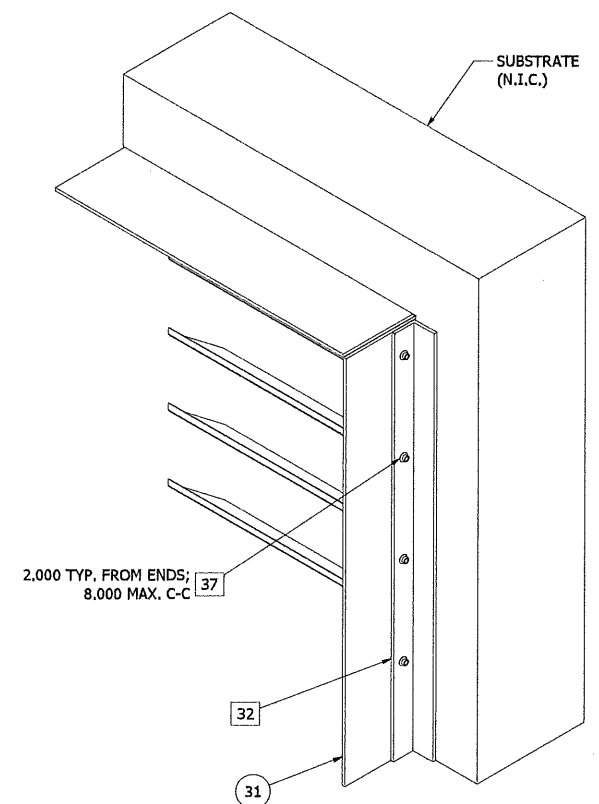
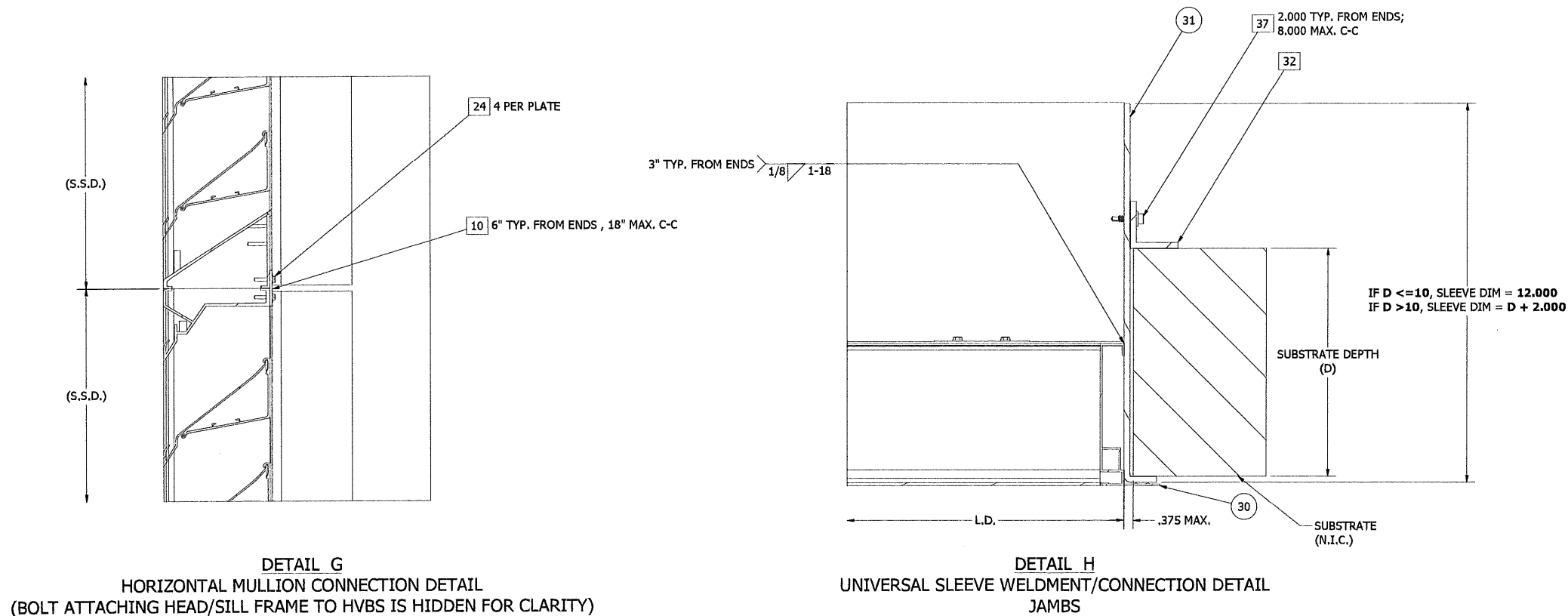
DETAIL F
ALTERNATE ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME
IN REVERSE DIRECTION (ALTERNATE CONNECTION)



J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL			PRODUCT ELFP6375DXD TITLE ASSEMBLY "A" - INSTALLATION DETAILS SIZE D DWG NO 60-022277-00B REV J SCALE NONE INVENTOR SHEET 4 OF 32			
ECN	13705					

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

100PSF WINDLOAD - JAMB ONLY ATTACHMENT

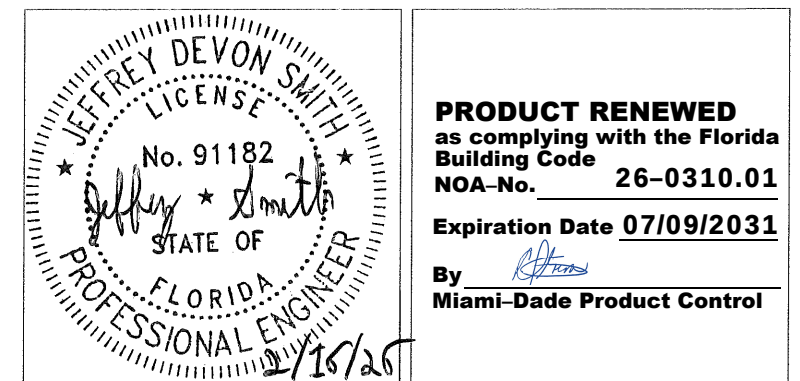


UNIVERSAL SLEEVE ATTACHMENT

TABLE 08 - ELF6375DXD - WALL FASTENER TABLE (N.I.C.) - FOR JAMB ONLY CONNECTION - 100PSF (ITEM 27)

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 (UNCRAKED)	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. (UNCRAKED)	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. (UNCRAKED)	1/4" Ø X 1 1/4" HILTI KWIK CON + **	1"	3"

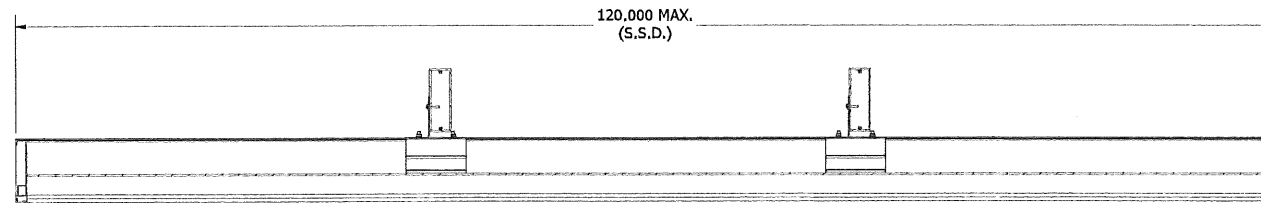
NOTES:
- DOUBLE ANGLE SHOULD BE USED IF MIN. WALL DEPTHS FOR STANDARD & REVERSE ANGLE IS NOT MET.
- ** COUNTERSUNK VARIANT MAY BE USED FOR ONLY KWIK HUS EZ & HILTI KWIK CON +. ALSO, WASHERS ARE NOT NEEDED FOR COUNTERSUNK VARIANTS.



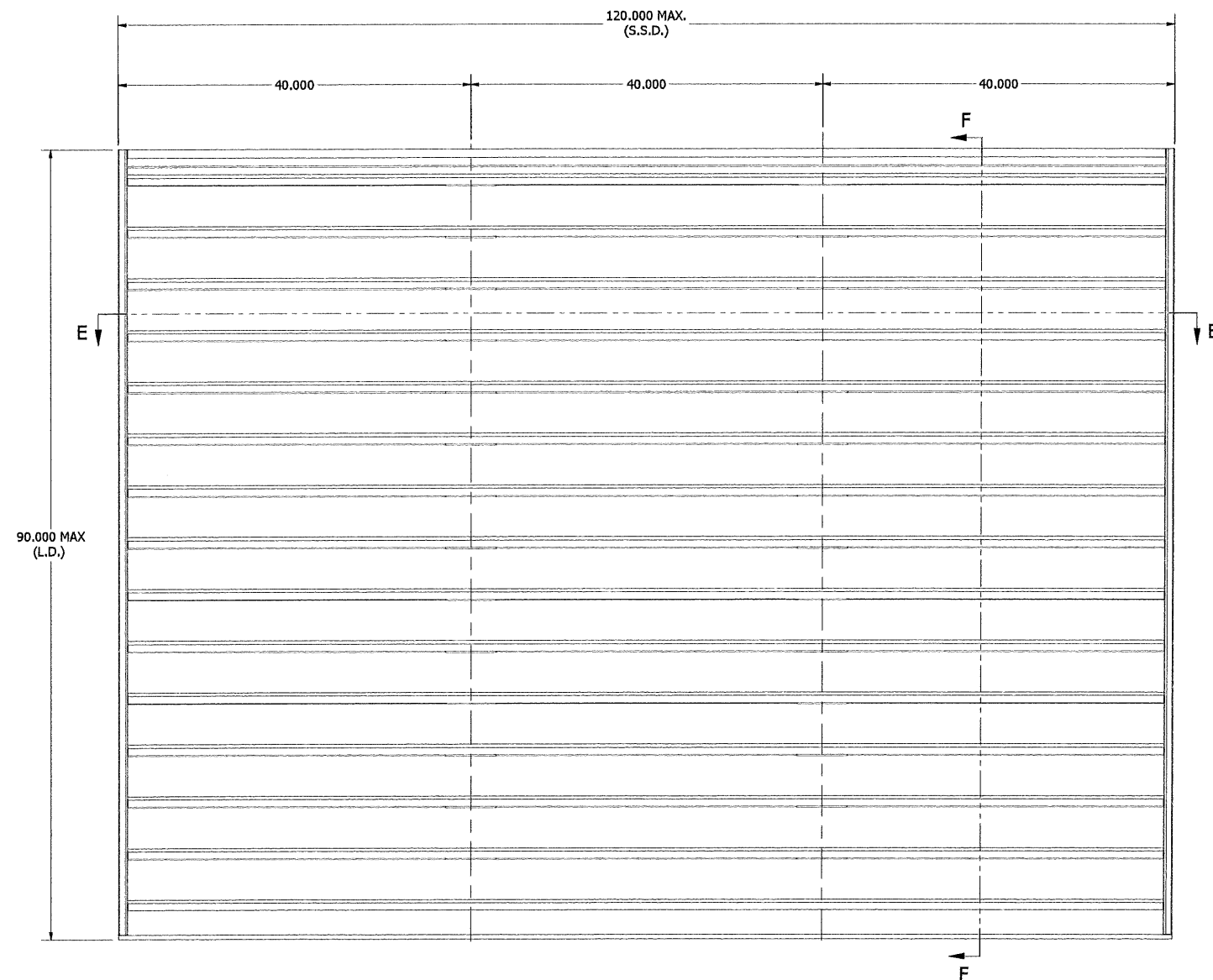
J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL			PRODUCT	ELF635DXD		
			TITLE	ASSEMBLY "A" - UNIVERSAL SLEEVE INSTALL & WALL FASTENER TABLE		
			SIZE	DWG NO		REV
			D	60-022277-00B		J
ECN	13705		SCALE	NONE		
			INVENTOR	SHEET 5 OF 32		

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

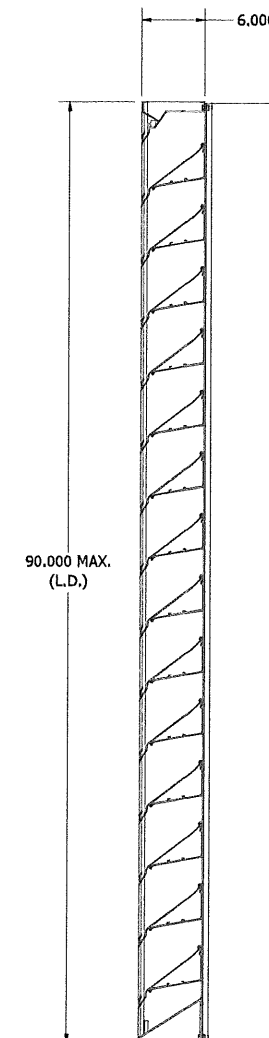
100PSF WINDLOAD - PERIMETER ATTACHMENT



SECTION E-E

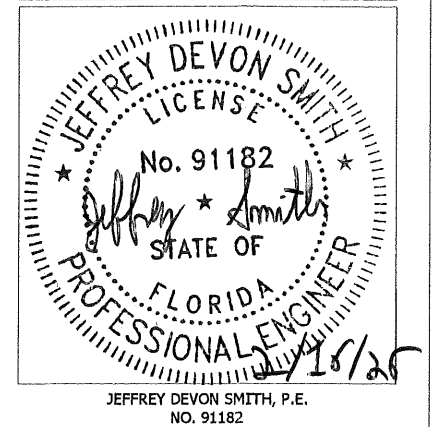


ASSEMBLY "B" - SINGLE SECTION VIEW-FOR WINDLOAD-100PSF_PERIMETER ATTACHMENT
MAX. SHIP SECTION - 120.000" W X 90.000" H



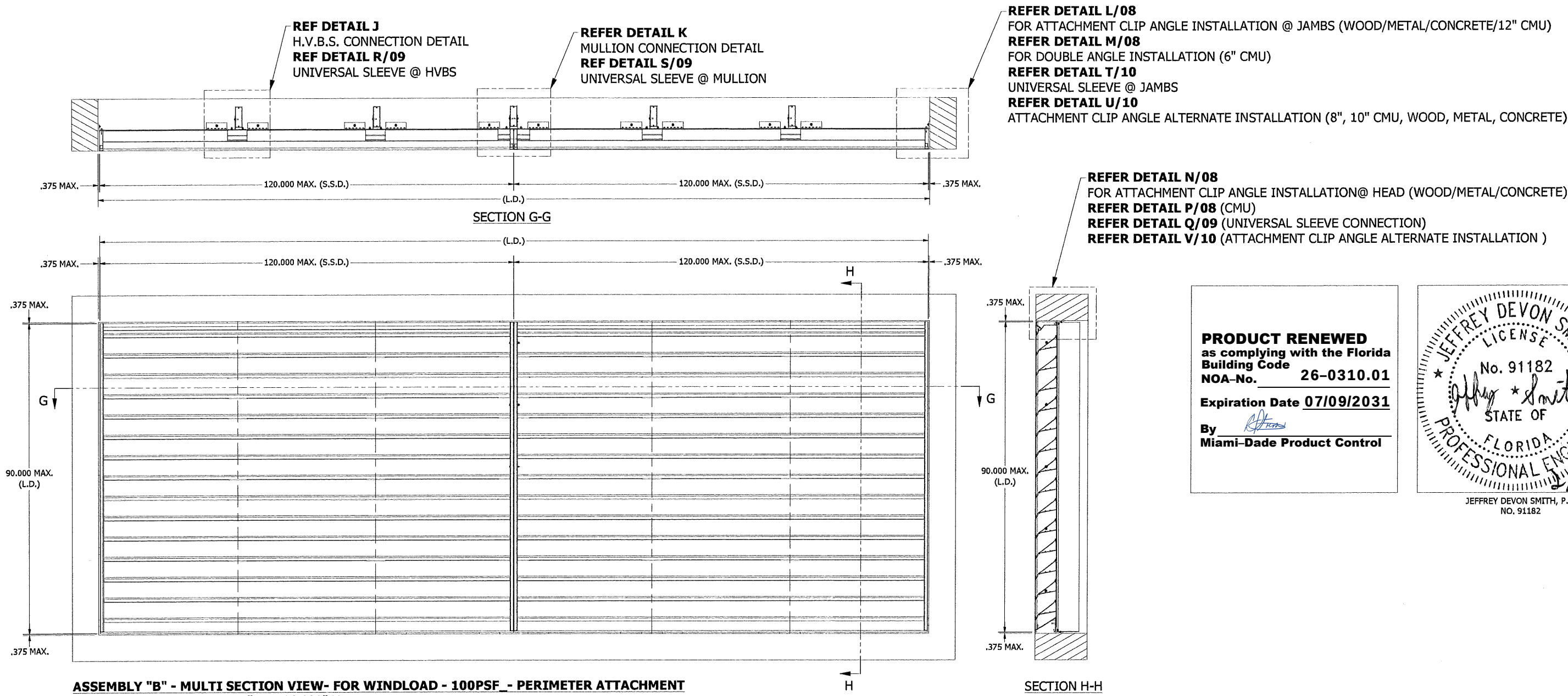
SECTION F-F

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01
Expiration Date 07/09/2031
By 
Miami-Dade Product Control

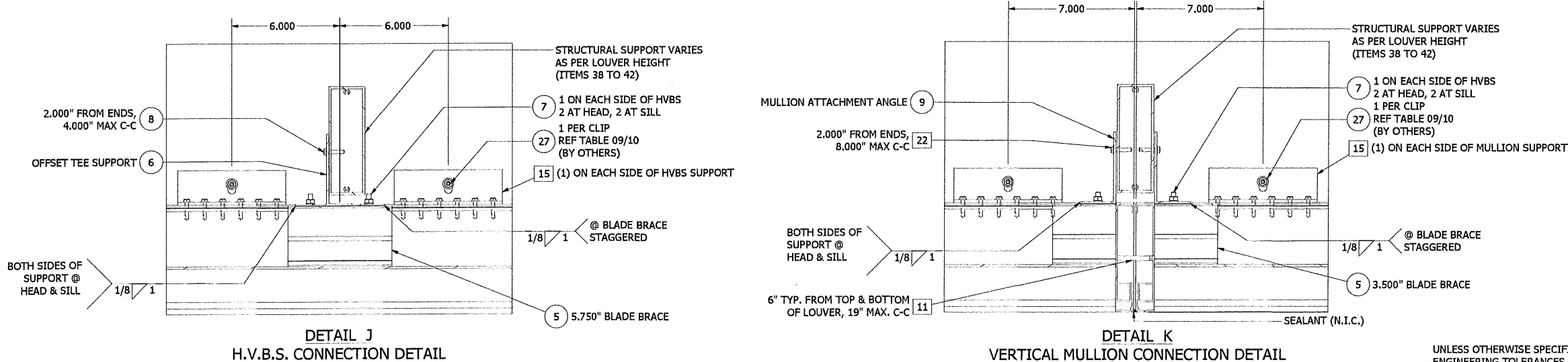
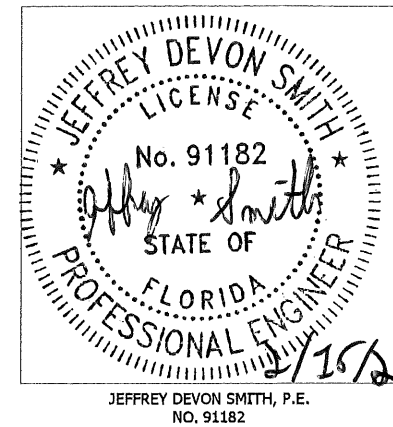


J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED			PRODUCT		ELF6375DxD	
MATERIAL			TITLE		ASSEMBLY "B" - BASIC ASSEMBLY - 100PSF (PERIMETER ATTACHMENT)	
			SIZE	DWG NO	REV	
				60-022277-00B	J	
ECN	13705		SCALE	NONE	NUMBER	SHEET 6 OF 32

100PSF WINDLOAD - PERIMETER ATTACHMENT



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01
Expiration Date 07/09/2031
By *[Signature]*
Miami-Dade Product Control



J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
ECN	13705					

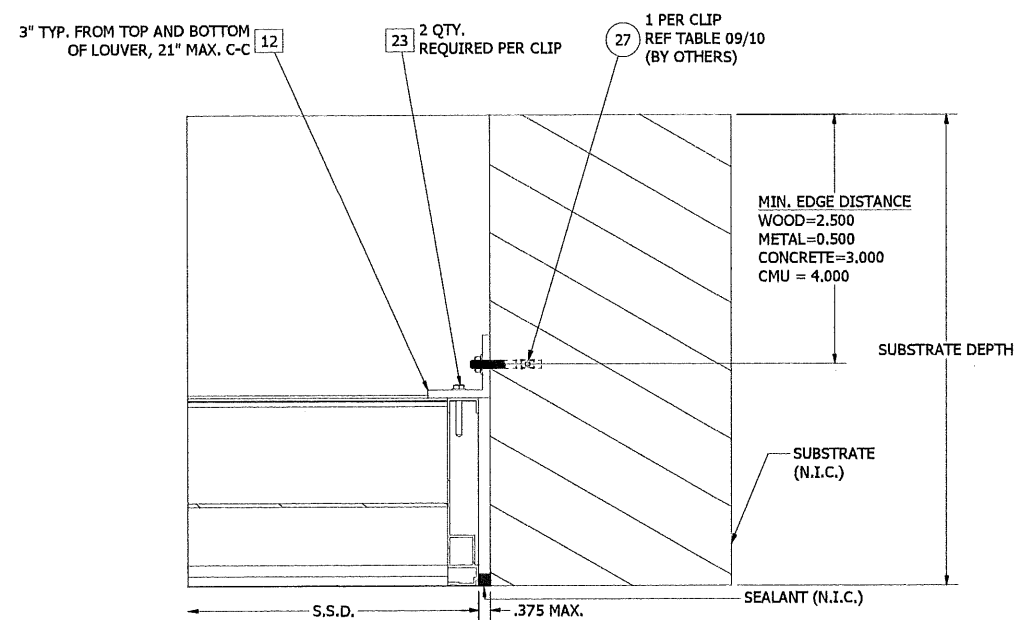
RUSKIN
AUTHORITY IN AIR CONTROL

3900 Doctor Greaves Rd,
Grandview, MO 64030
PROPRIETARY AND
CONFIDENTIAL

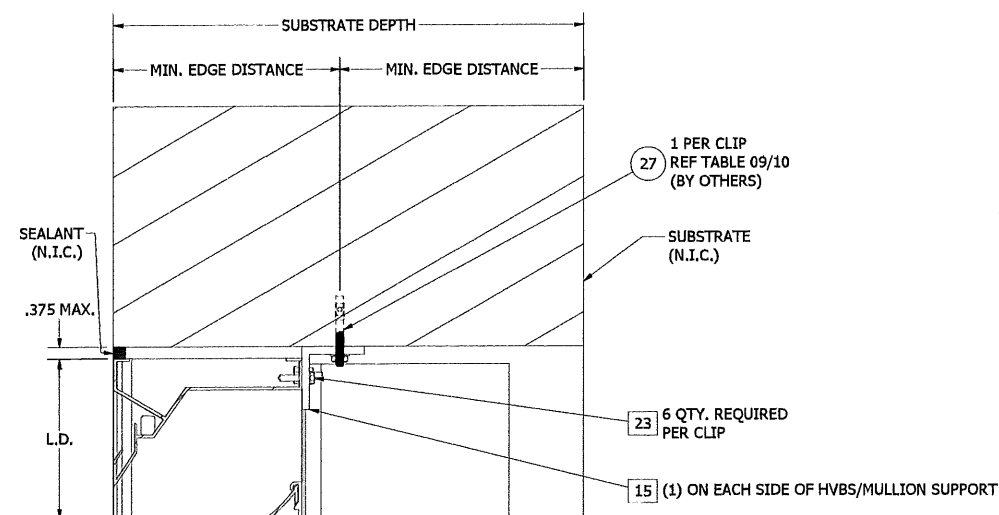
PRODUCT	ELF6375DXD
TITLE	ASSY "B" - MULTI SECTION ASSEMBLY & DETAILS - 100 PSF (PERIMETER ATTACHMENT)
SIZE	D
DWG NO	60-022277-00B
REV	J
SCALE	NONE
INVENTOR	
SHEET	7 OF 32

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

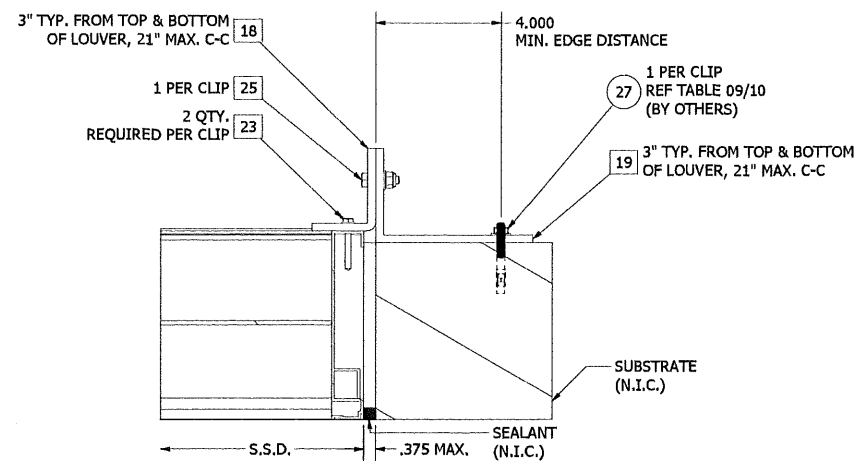
100PSF WINDLOAD - PERIMETER ATTACHMENT



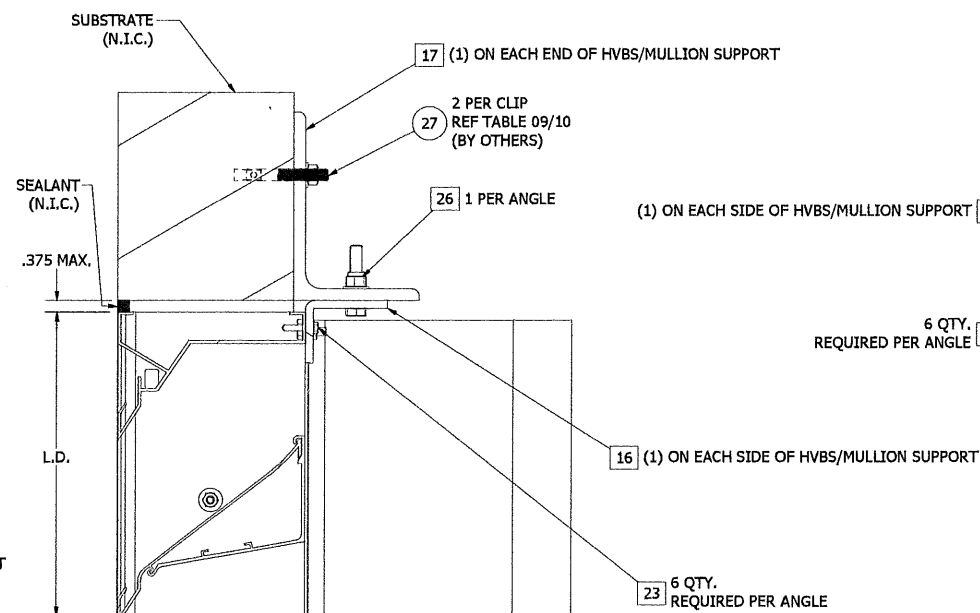
DETAIL L
ATTACHMENT CLIP ANGLE INSTALLATION @ JAMB FRAME



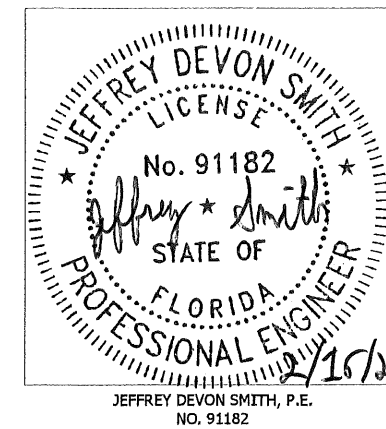
DETAIL N
ATTACHMENT CLIP ANGLE INSTALLATION @ HEAD FRAME (SILL SIMILAR)
(WOOD, METAL & CONCRETE SUBSTRATE ONLY)



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



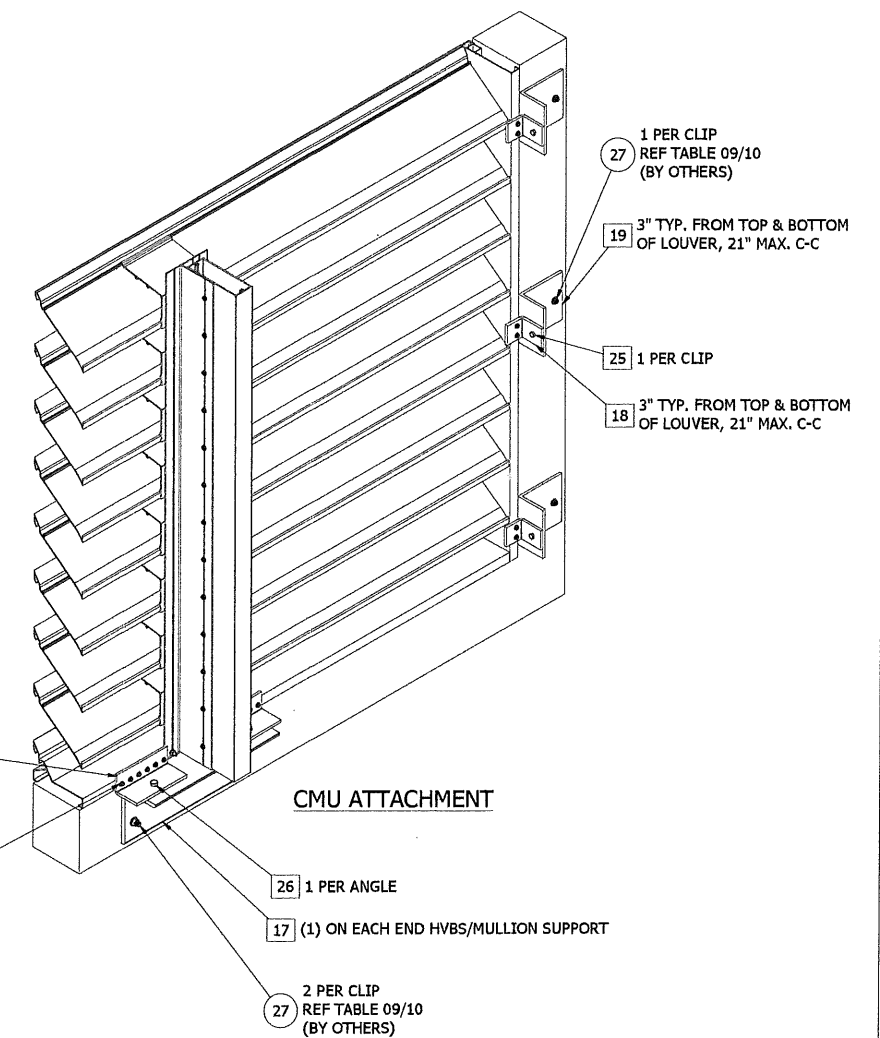
DETAIL P
ATTACHMENT CLIP ANGLE INSTALLATION @ HEAD FRAME (SILL SIMILAR)
(GROUT FILLED CMU)



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01

Expiration Date 07/09/2031

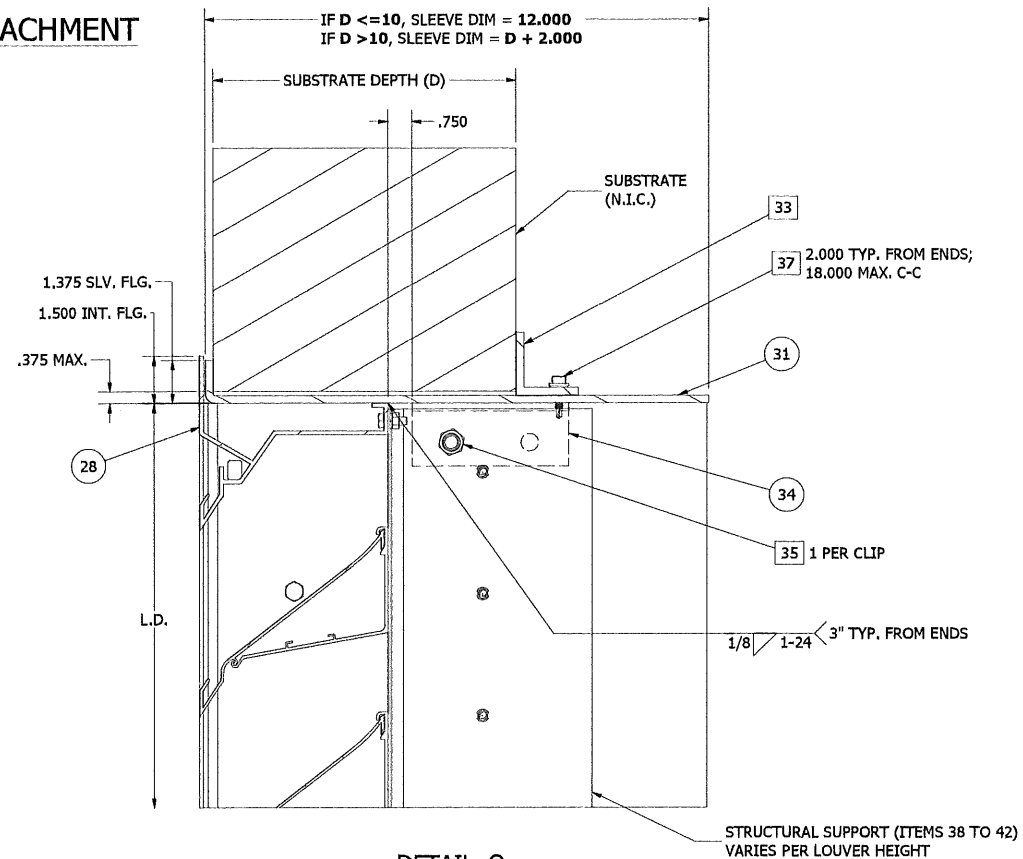
By *R. Hines*
Miami-Dade Product Control

CMU ATTACHMENT

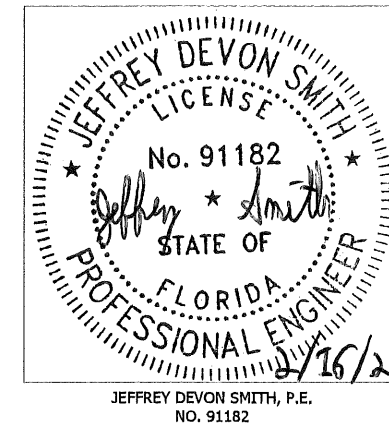
J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DIR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL	PRODUCT		ELF6375DXD			
TITLE		ASSEMBLY "B" - CMU / NON-CMU INSTALL				
SIZE D		DWG NO		60-022277-00B		REV J
ECN	13705	SCALE		NONE		T/REVISOR
				SHEET 8 OF 32		

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

100PSF WINDLOAD - PERIMETER ATTACHMENT



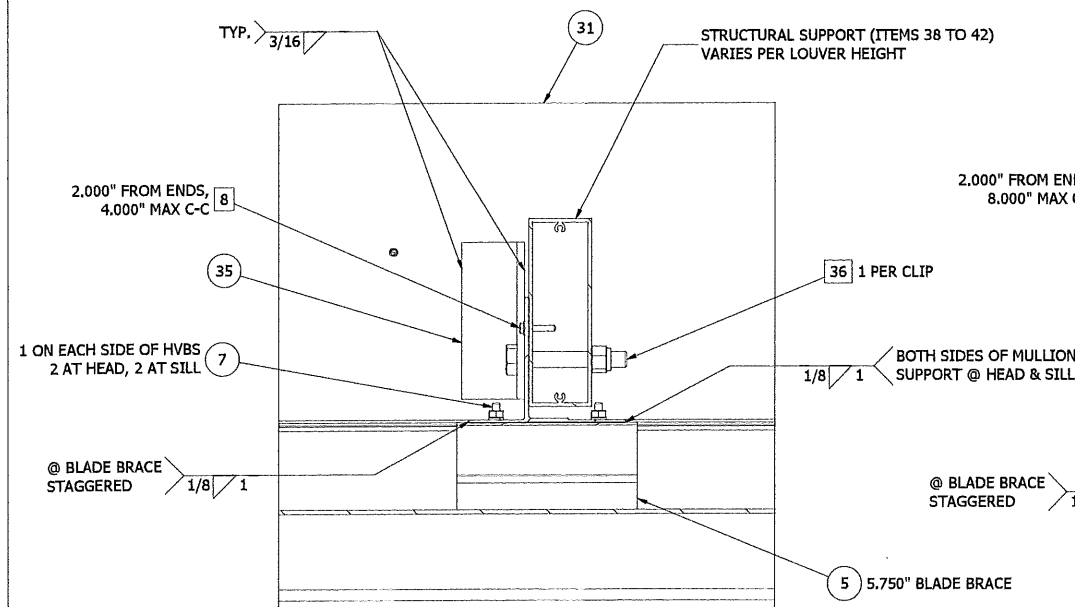
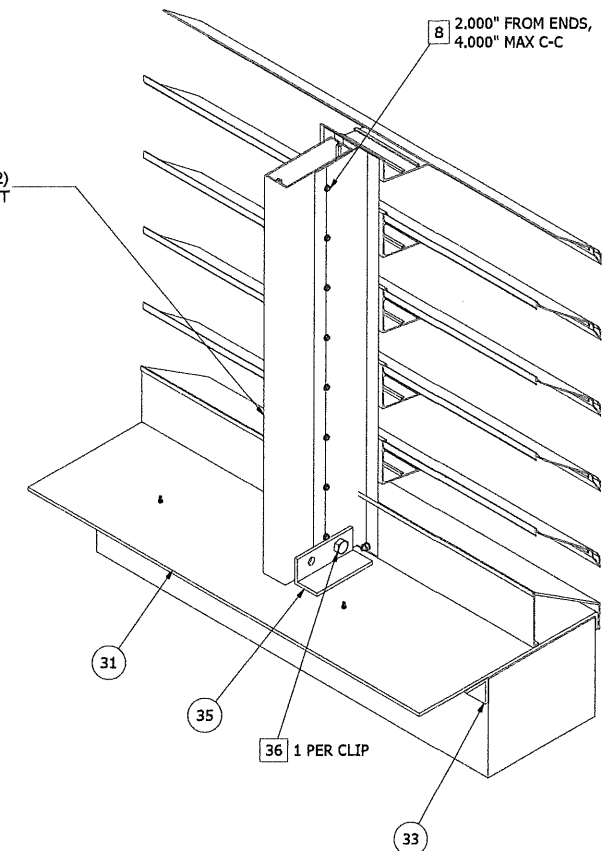
DETAIL Q
UNIVERSAL SLEEVE CONNECTION DETAIL
(HEAD FRAME SHOWN, SILL FRAME SIMILAR)



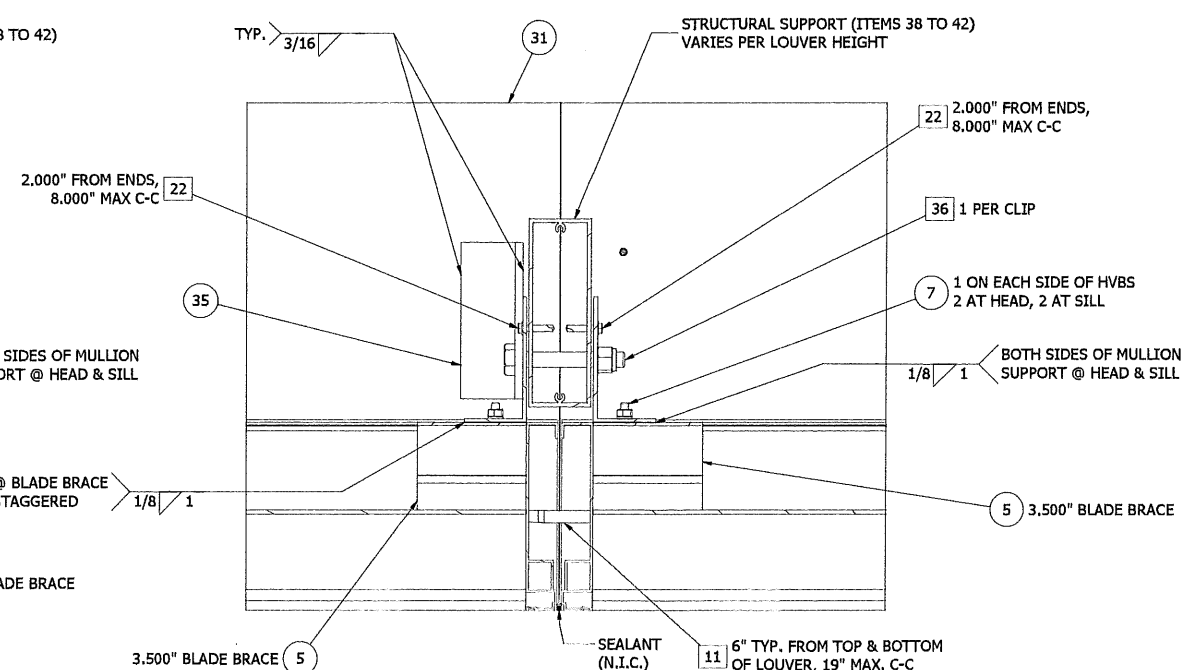
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01

Expiration Date 07/09/2031

By 
Miami-Dade Product Control



DETAIL R
UNIVERSAL SLEEVE SUPPORT ATTACHMENT ANGLE
INSTALLATION DETAIL @ HVBS

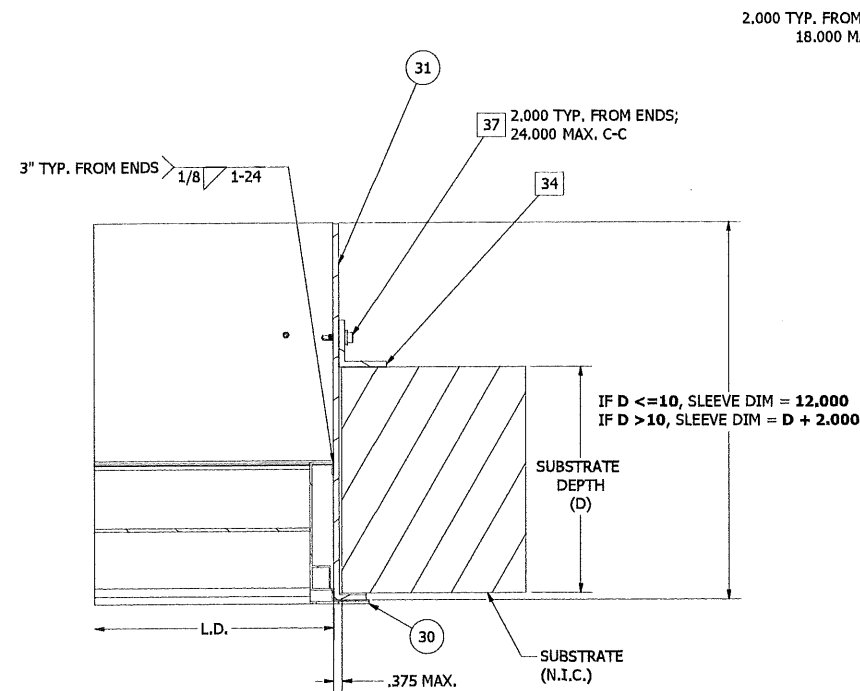


DETAIL S
UNIVERSAL SLEEVE SUPPORT ATTACHMENT ANGLE
INSTALLATION DETAIL @ MULLIONS

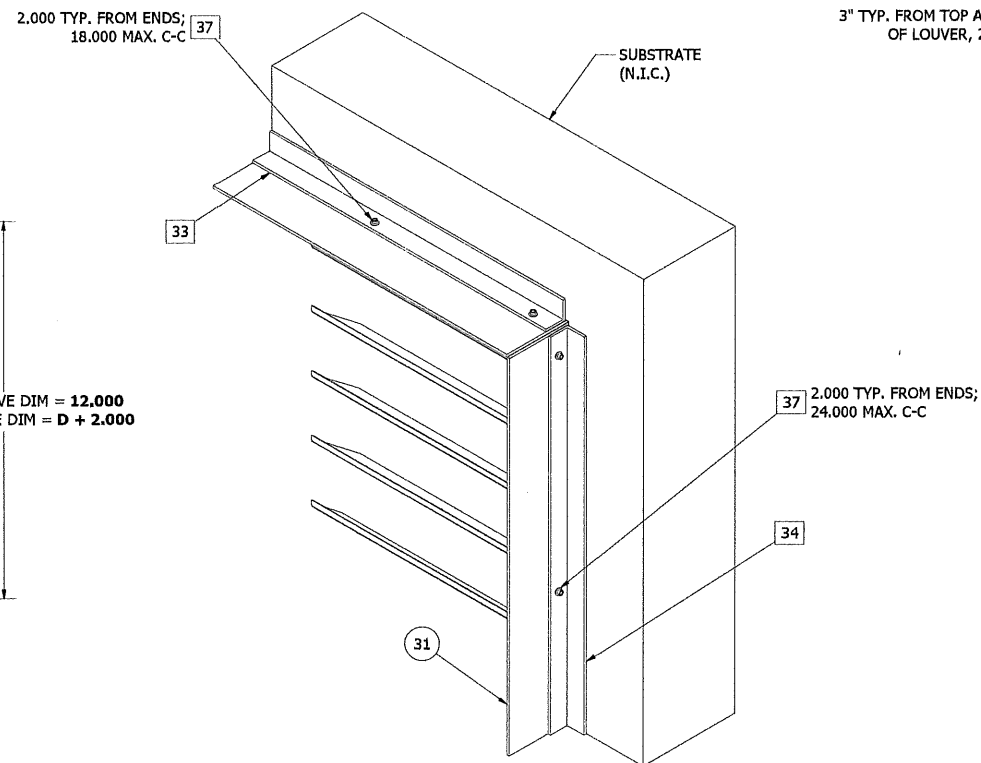
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Graves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL	TITLE		PRODUCT ELF6375DXD ASSEMBLY "B" - UNIVERSAL SLEEVE INSTALL			
SIZE D	DWG NO		60-022277-00B			REV J
SCALE	NONE		INVENTOR		SHEET 9 OF 32	

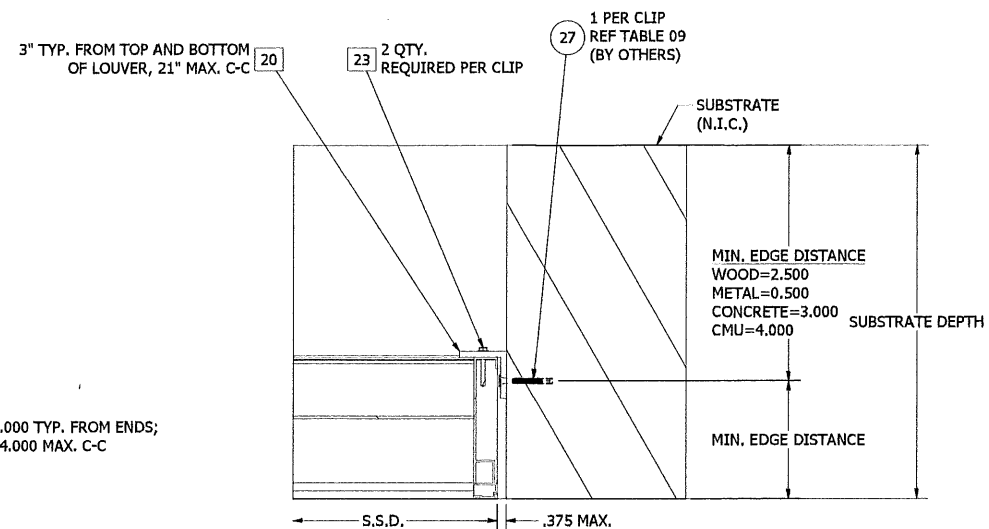
100PSF WINDLOAD - PERIMETER ATTACHMENT



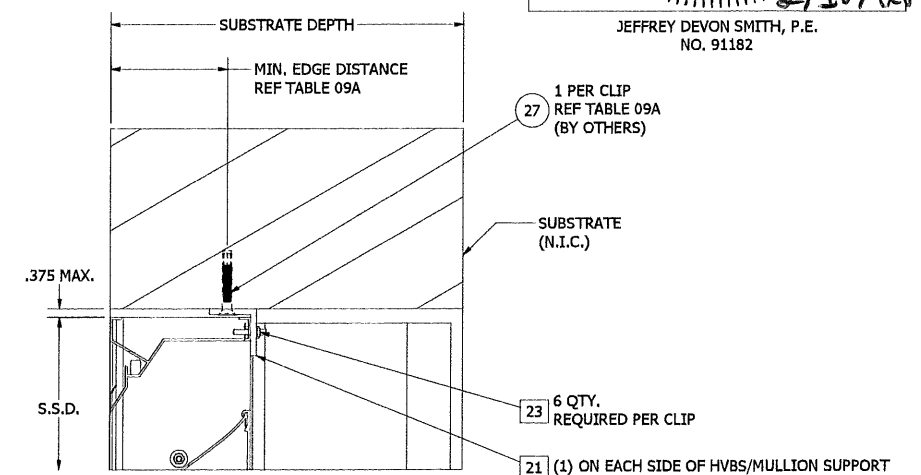
DETAIL T
UNIVERSAL SLEEVE CONNECTION DETAIL @ JAMBS



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)

TABLE 09 - ELF6375DXD - 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"

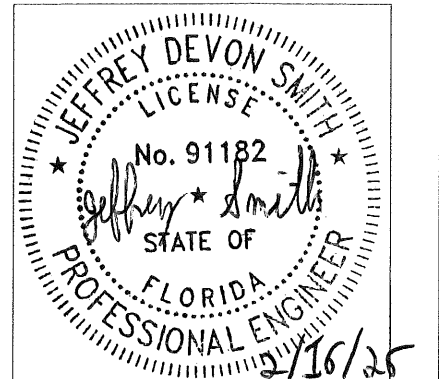
NOTES:

- 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.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01

Expiration Date 07/09/2031

By *R. F. [Signature]*
Miami-Dade Product Control



JEFFREY DEVON SMITH, P.E.
NO. 91182

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012			3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL		PRODUCT	ELF3575DXD			
		TITLE	ASSEMBLY "B" - UNIVERSAL SLEEVE, ALTERNATE CLIP INSTALL & WALL FASTENER TABLE			
		SIZE	DWG NO			REV
		SCALE	60-022277-00B			J
ECN	13705	NONF	INVENT	SHEET	10 of 32	

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

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

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

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

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

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

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

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

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

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

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

MULLION SUPPORT ATTACHMENT ANGLE ITEM #09
RUSKIN #A1139

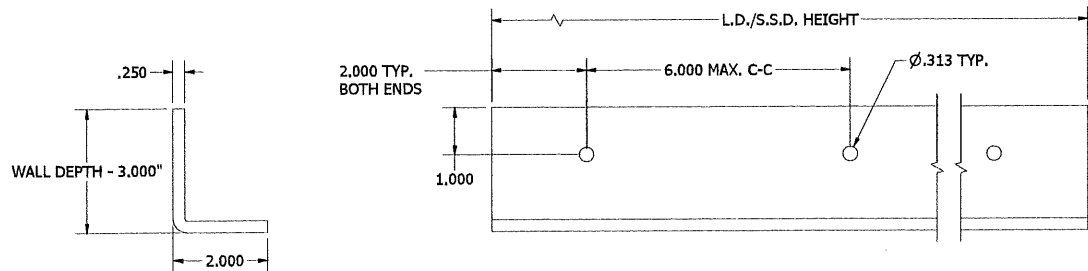
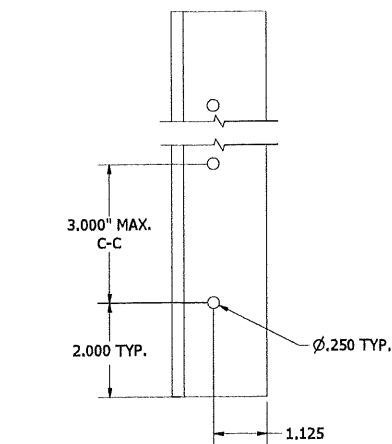
SPLICE PLATE ITEM #10
RUSKIN #85-021546-00B

JEFFREY DEVON SMITH, P.E.
NO. 91182

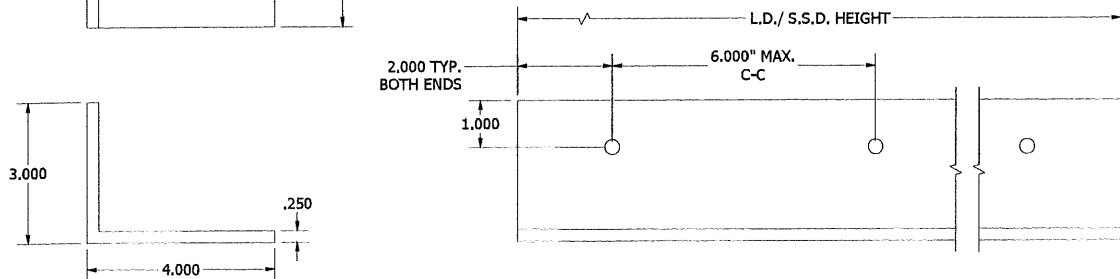
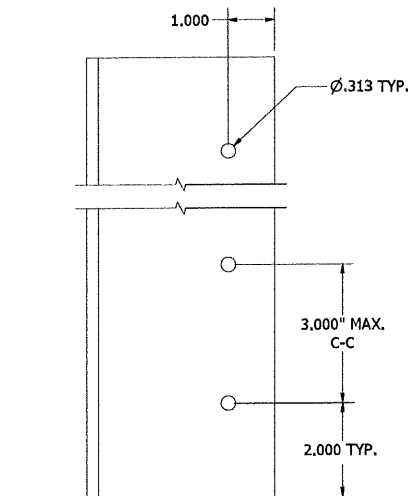
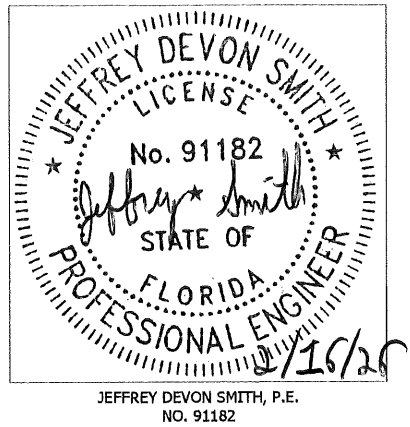
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0310.01**
Expiration Date **07/09/2031**
By *[Signature]*
Miami-Dade Product Control

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
PRODUCT		ELF6375DXD				
TITLE		ELF6375DXD - PARTS				
SIZE	D	DWG NO	60-022277-00B		REV	J
SCALE	NONE		INVENTOR	SHEET 11 OF 32		

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

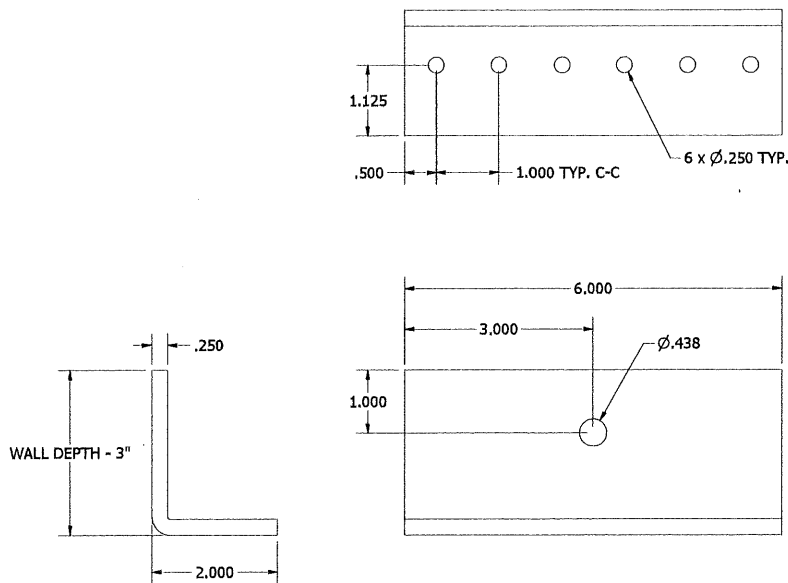


CONT. FORMED ANGLE ITEM #13
RUSKIN #85-023257-00B
(6, 8 & 10 IN GROUT-FILLED CMU)

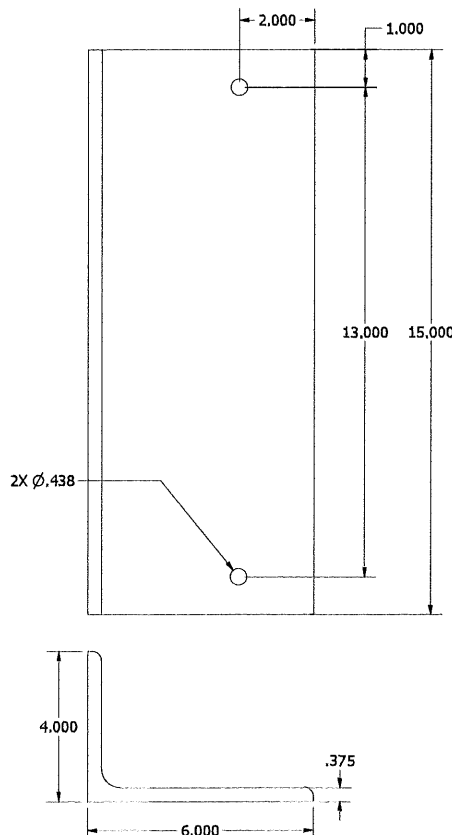


CONT. ATTACHMENT ANGLE ITEM #14
RUSKIN #85-023258-00B

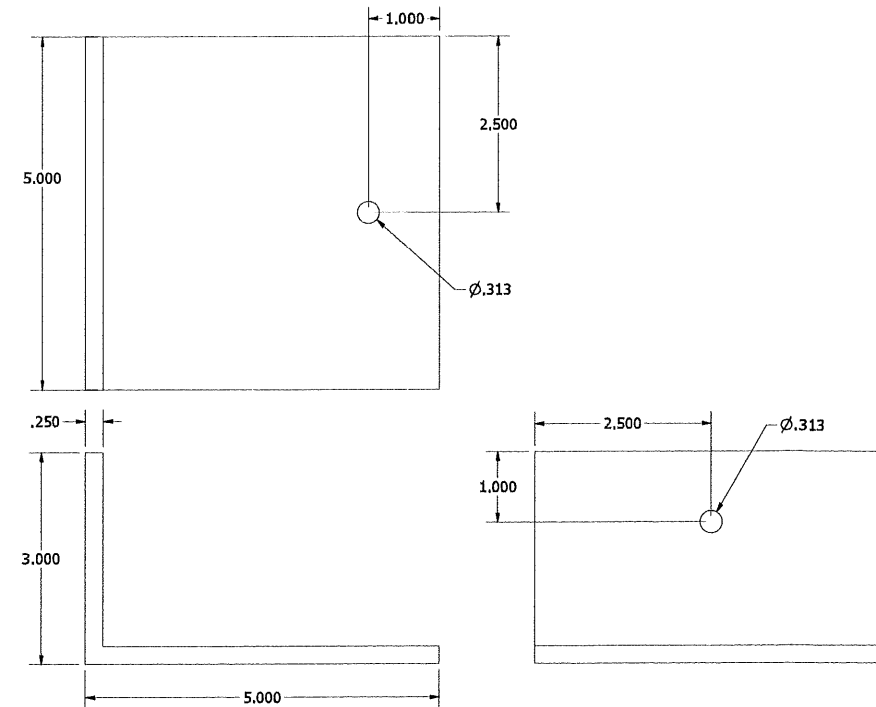
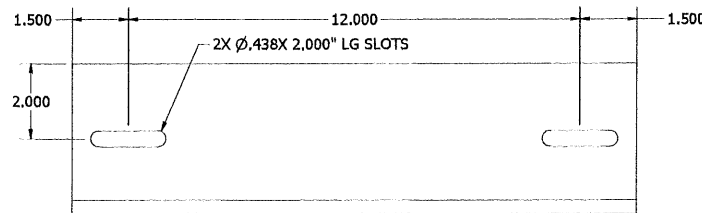
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01
Expiration Date 07/09/2031
By *[Signature]*
Miami-Dade Product Control



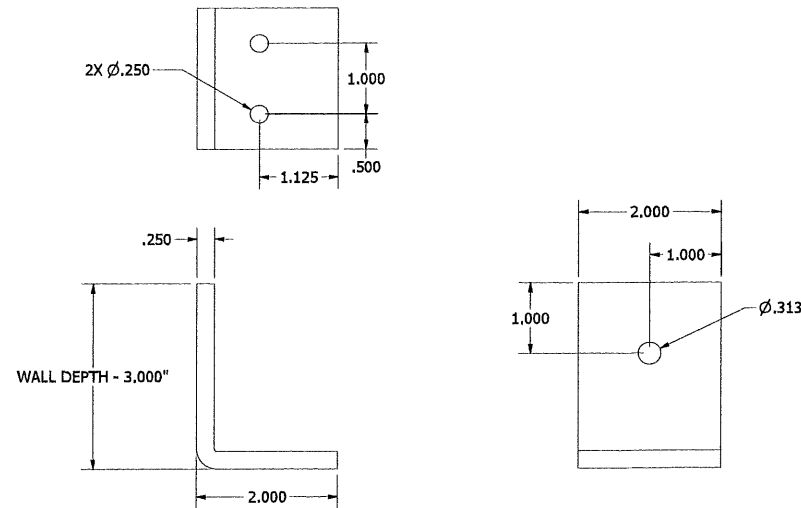
ATTACHMENT CLIP ANGLE - FORMED ITEM #16
RUSKIN #85-023252-00B
(6, 8, 10 & 12 IN GROUT-FILLED CMU)



STRUCTURAL ATTACHMENT ANGLE, 15" LG. ITEM #17
RUSKIN #85-023251-00B
(6, 8, 10 & 12 IN GROUT-FILLED CMU)



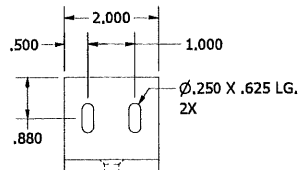
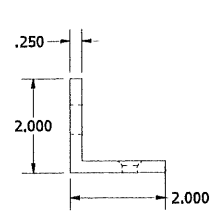
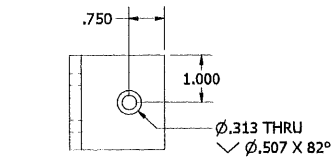
ATTACHMENT ANGLE (CMU) ITEM #19
RUSKIN #85-023253-00B
(6, 8 & 10 IN GROUT-FILLED CMU)



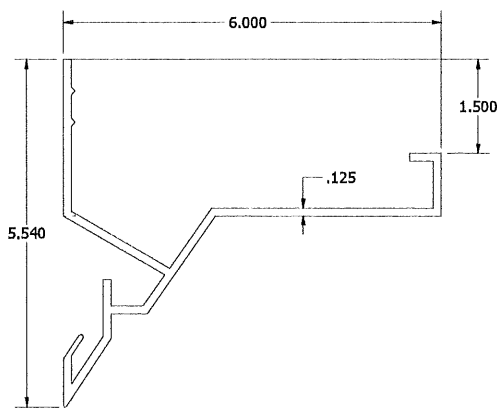
ATTACHMENT CLIP ANGLE - FORMED ITEM #18
RUSKIN #85-023250-00B
(6, 8, 10 IN GROUT-FILLED CMU)

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

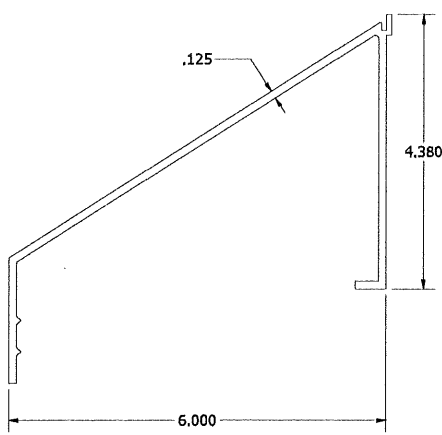
J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL	ELF6375DXD					
TITLE	ELF6375DXD - PARTS - 100PSF					
SIZE	D	DWG NO	60-022277-00B			
SCALE	NONE	INVENTOR	SHEET 12 OF 32			
ECN	13705					



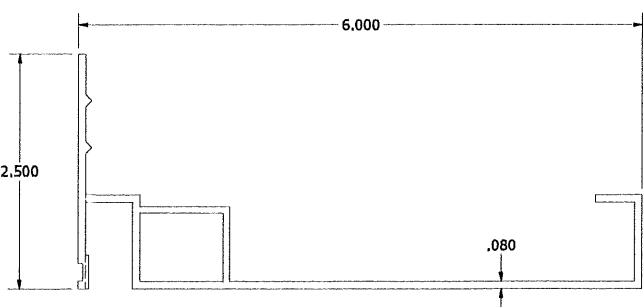
REVERSE CLIP ANGLE - JAMBS ITEM #20
RUSKIN #85-023017-00B



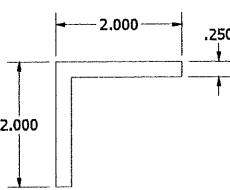
HEAD FRAME W/INTEGRAL FLANGE ITEM #28
RUSKIN #70-020838-00B



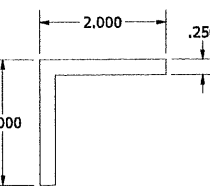
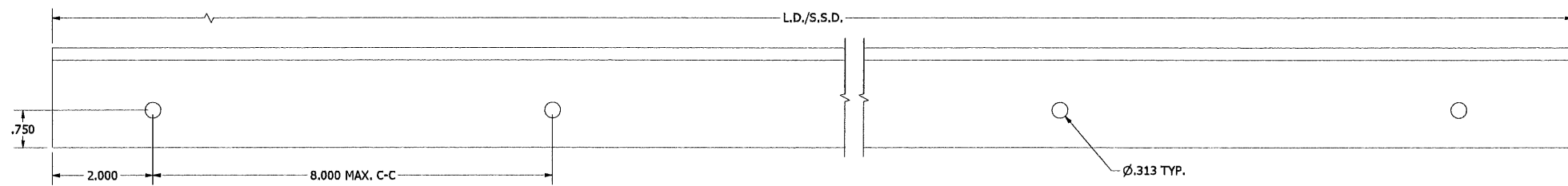
SILL FRAME W/INTEGRAL FLANGE ITEM #29
RUSKIN #70-021129-00B



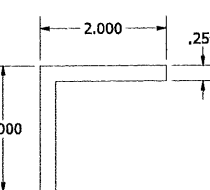
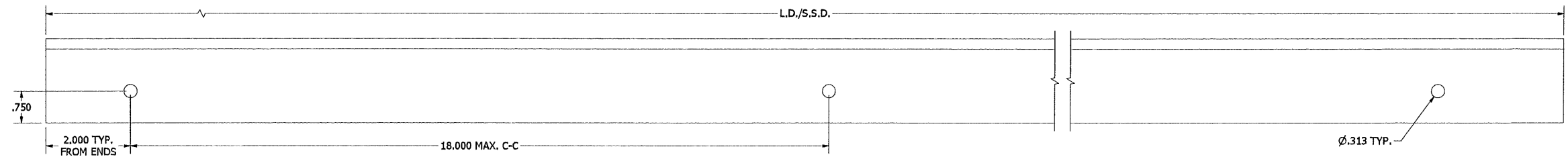
JAMB FRAME W/INTEGRAL FLANGE ITEM #30
RUSKIN #70-020470-00B



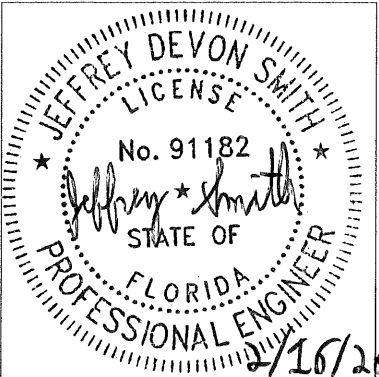
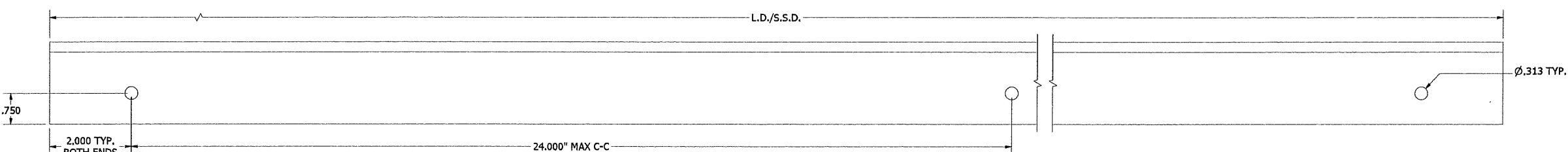
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RUSKIN #85-023168-00B



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



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



JEFFREY DEVON SMITH, P.E.
NO. 91182

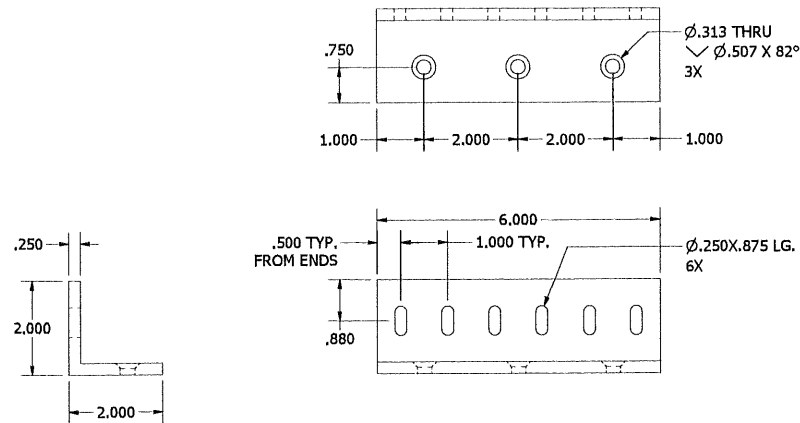
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0310.01

Expiration Date 07/09/2031

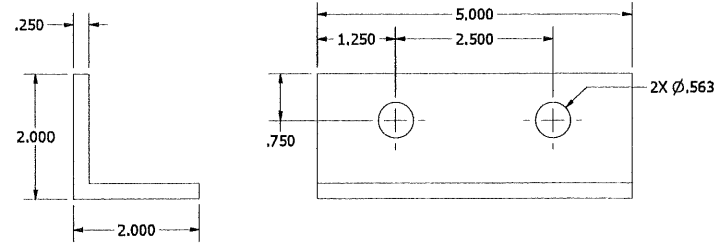
By *[Signature]*
Miami-Dade Product Control

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
TITLE	ELF6375DXD					
SIZE	ELF6375DXD - PARTS - 100PSF					
D		DWG NO	60-022277-00B		REV	J
SCALE	NONE	INVENTOR	SHEET 13 OF 32			
ECN	13705					

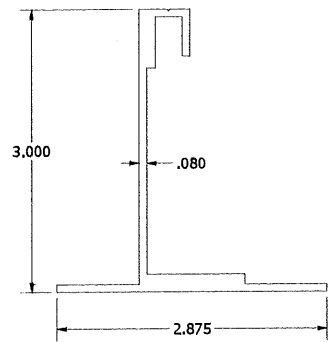
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007



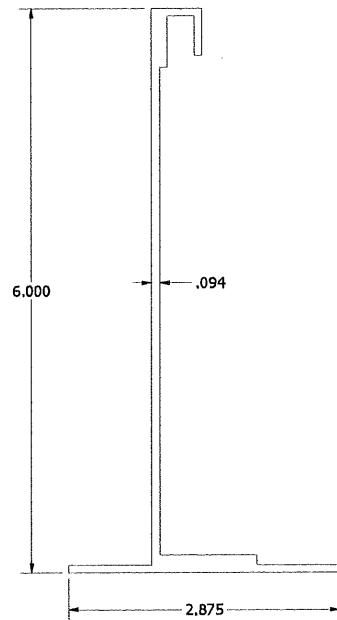
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RUSKIN #TBD



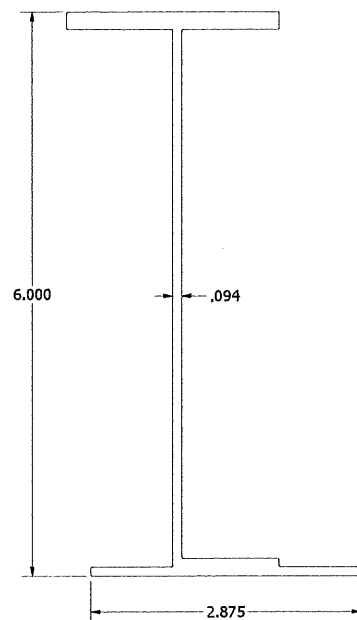
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RUSKIN #85-023256-00B



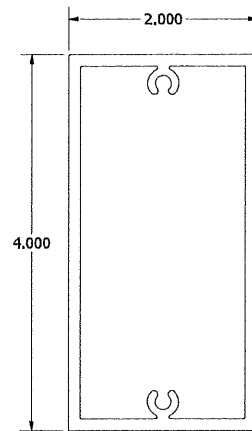
3" DOUBLE FLANGE
ITEM #38



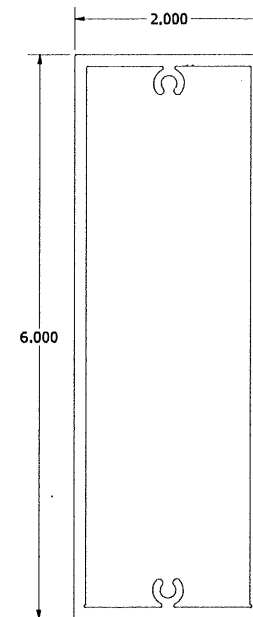
6" DOUBLE FLANGE
ITEM #39



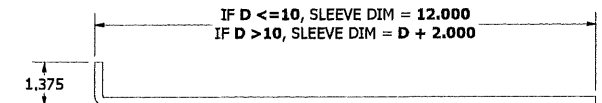
6" I SHAPE
ITEM #40



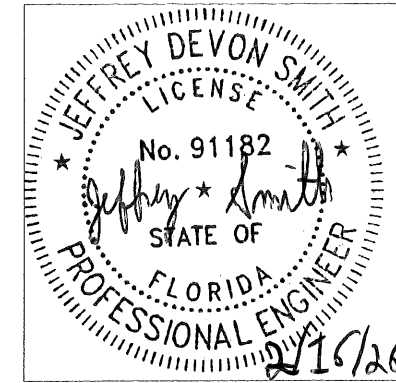
2 X 4 X 1/8" TUBE SUPPORT
ITEM #41



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



FRONT FLANGE UNIVERSAL SLEEVE
ITEM #31



JEFFREY DEVON SMITH, P.E.
NO. 91182

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TABLE 9A - ELF6375DXD - 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

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL						
3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL ELF6375DXD PARTS & WALL FASTENER TABLE - 100PSF 60-022277-00B NONE J 13705 SHEET 14 OF 32						

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

TABLE 10 - PARTS LIST FOR 150PSF ELF6375DXD			
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	PLTD STL	
8	SCREW 1/4"-14 X 1 1/2" LG HWH TEK3	410 SS/ZC	

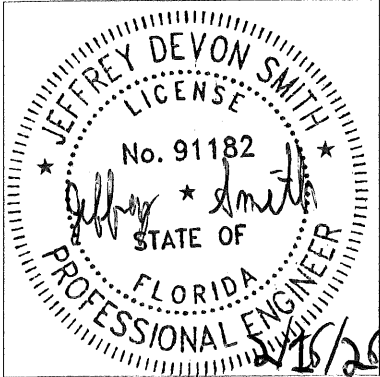
TABLE 11 - MULTI-SECTION CONNECTION PARTS			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
9	MULLION ATTACHMENT ANGLE	0.125" THK EXTRUDED ALUM.	6063-T6
10	FSNR KIT 3/8-16X3"LG W LOCKNUT	ZINC PLATED	-

TABLE 12 - INSTALLATION PARTS (SHIP LOOSE) - 150 PSF WINDLOAD			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
11	CLIP ANG 2 X 2 X 1/4 X 6" LG PUNCHED STD	.25" THK. EXTRUDED ALUM.	6063-T6
12	CLIP ANG 2 X 2 X 1/4 X 6" LG PUNCHED CNTRS NK	.25" THK. EXTRUDED ALUM.	6063-T6
13	CLIP ANG 2 X 2 X 1/4 X 2" LG PUNCHED	.25" THK. EXTRUDED ALUM.	6063-T6
14	CLIP ANG 2 X 2 X 1/4 X 2" LG CNTRS NK	.25" THK. EXTRUDED ALUM.	6063-T6
15	STRUCTURAL ATTACHMENT ANGLE - HEAD/SILL	.375" THK. EXTRUDED ALUM.	6063-T6
16	CMU ATTACHMENT ANGLE - HEAD/SILL	.25" THK. FORMED ALUM.	3003-H14
17	CLIP ANG 2 X 2 X 1/4 X 6" LG PUNCHED STD	.25" THK. EXTRUDED ALUM.	6063-T6
18	ATTACHMENT ANGLE - JAMB	.25" THK. EXTRUDED ALUM.	6063-T6
19	CMU ATTACHMENT ANGLE - JAMB	.25" THK. FORMED ALUM.	3003-H14
20	SCREW 1/4"-14 X 1 1/2" LG HWH TEK3	410 SS/ZC PLT	
21	SCREW 1/4"-14 X 1 1/4" LG HWH TEK3	410 SS/ZC PLT	
22	SCREW 1/4"-14 X 1" LG HWH TEK3	410 SS/ZC PLT	
23	FSNR KIT 3/8-16X2"LG HHB BOLT W LOCKNUT	ZINC PLT	
24	FSNR KIT 1/4-20X1.5"LG HHB BOLT W LOCKNUT	ZINC PLT	
25	SUBSTRATE FASTENER	REF TABLE 15/23 & 16/23	

TABLE 13 - PARTS - UNIVERSAL SLEEVE INSTALL			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
26	HEAD FRAME W INTEGRAL FLANGE (FF)	.125" THK. EXTRUDED ALUM.	6063-T6
27	SILL FRAME W INTEGRAL FLANGE (FF)	.125" THK. EXTRUDED ALUM.	6063-T6
28	JAMB FRAME W INTEGRAL FLANGE (FF)	.080" THK. EXTRUDED ALUM.	6063-T6
29	UNIVERSAL SLEEVE	.190" THK. FORMED ALUM.	3003-H14
30	CONT. RETAINING ANGLE - HEAD/SILL	.25" THK. EXTRUDED ALUM.	6063-T6
31	CONT. RETAINING ANGLE - JAMBS	.25" THK. EXTRUDED ALUM.	6063-T6
32	UNIVERSAL SLEEVE ATTACHMENT ANGLE	.25" THK. EXTRUDED ALUM.	6063-T6
33	SCR 1/4X1 HWH TEK 410/ZC	410 SS/ZC PLT GR 2	
34	1/2-13 X 3.5" LG. SAE GRADE 5 HHB W/WASHER & LOCKNUT	ZINC PLT	

TABLE 14 - H.V.B.S. / MULLION SUPPORTS OPTIONS BASED ON SECTION HEIGHT				
ITEM #	DESCRIPTION	LOUVER HEIGHT RANGE	MATERIAL	ALLOY
35	3" ALUM. H.V.B.S.	UP TO 33" TALL	EXT. ALUM.	6063-T6
36	6" ALUM. H.V.B.S.	GREATER THAN 33" TO 48"	EXT. ALUM.	6063-T6
37	6" ALUM. "I" H.V.B.S.	GREATER THAN 48" TO 63"	EXT. ALUM.	6063-T6
38	2X4 TUBE H.V.B.S.	GREATER THAN 63" TO 71"	EXT. ALUM.	6063-T6
39	2X6 TUBE H.V.B.S.	GREATER THAN 71" TO 94"	EXT. ALUM.	6063-T6
40	2X8 TUBE H.V.B.S.	GREATER THAN 94" TO 116"	EXT. ALUM.	6063-T6
41	2X8X1/4 TUBE H.V.B.S.	GREATER THAN 116" TO 144"	EXT. ALUM.	6063-T6

TABLE 15 - PARTS - ASSEMBLY D & E			
ITEM #	DESCRIPTION	MATERIAL	ALLOY
42	CLIP ANG 2 X 2 X 1/4 X 2" LG PUNCHED	.25" THK. EXTRUDED ALUM.	6063-T6
43	CLIP ANG 2 X 2 X 1/4 X CONT. (ASSEMBLY D)	.25" THK. EXTRUDED ALUM.	6063-T6
44	CLIP ANG 2 X 2 X 1/4 X CONT. (ASSEMBLY E)	.25" THK. EXTRUDED ALUM.	6063-T6
45	CLIP ANG 2 X 2 X 1/4 X CONT. X CNTRS NK (ASSEMBLY E)	.25" THK. EXTRUDED ALUM.	6063-T6
46	SCREW 1/4"-14 X 1 1/2" LG HWH TEK3	410 SS/ZC PLT	

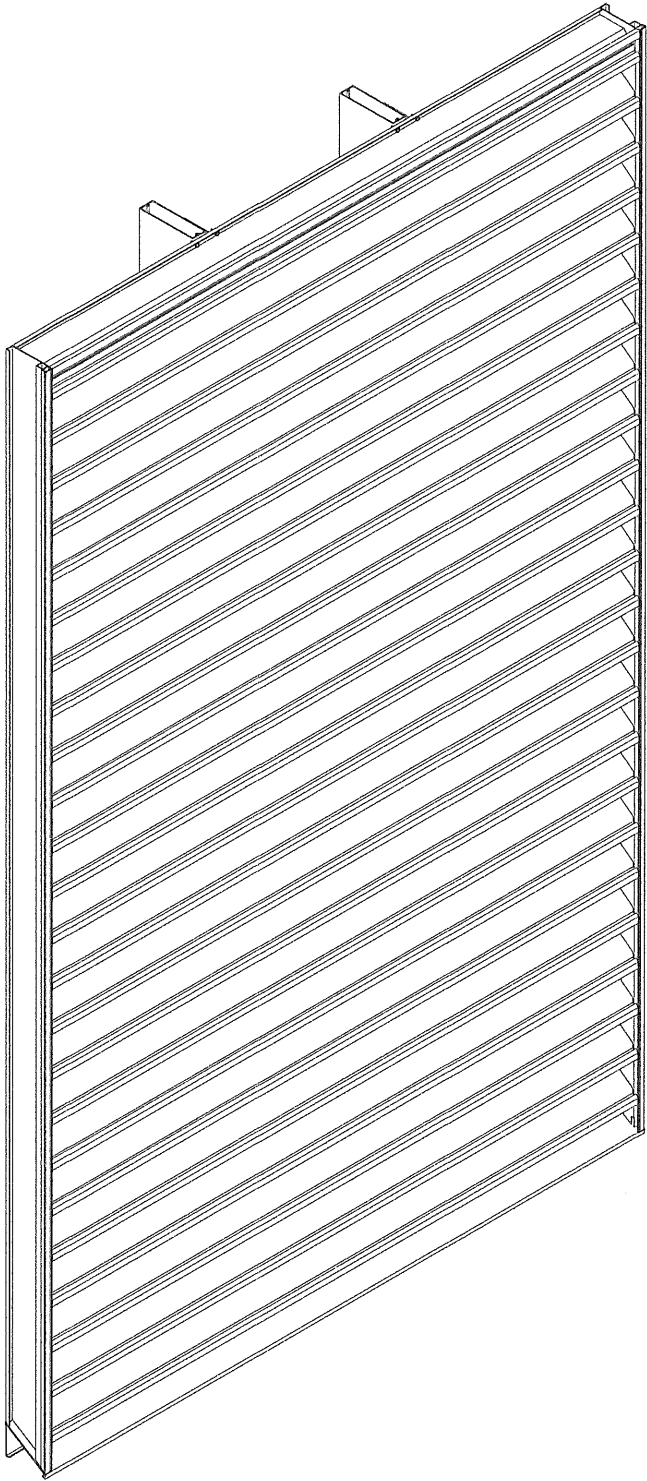


JEFFREY DEVON SMITH, P.E.
NO. 91182

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NOA-No. 26-0310.01

Expiration Date 07/09/2031

By 
Miami-Dade Product Control



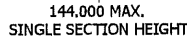
ELF6375DXD LOUVER - FOR 150 PSF WINDLOAD

NOTES

1. THE ELF6375DXD HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE AND CYCLIC WIND PRESSURE.
2. THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESSURES OF **± 150 PSF OR LESS**.
3. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
4. 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.
5. MAXIMUM SINGLE SECTION SIZE IS **90" WIDE X 144" HIGH**.
6. MAXIMUM ASSEMBLED LOUVER SIZE : **UNLIMITED WIDE X 144" HIGH**.
7. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDED A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
8. 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.
9. 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.
10. PART NUMBERS WITH SQUARE BALLOONS ARE **"SHIP LOOSE PARTS"**.
11. ALL FASTENERS SHALL BE CORROSION RESISTANT.

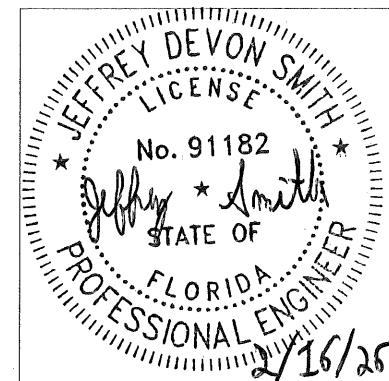
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H	REV'D ENGINEER OF RECORD, UPDATED INFO.		NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.		NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD		RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.		NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION		BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL				
CHECKED	DRP	3/23/2012					
APPROVED	DRP	3/23/2012					
APPROVED			PRODUCT		ELF6375DXD		
MATERIAL			TITLE				
			NOTES, PARTS LIST & ISO VIEW - 150PSF				
			SIZE D		DWG NO		REV J
					60-022277-00B		
EEN 13705			SCALE NONE		INVENTOR		SHEET 15 OF 32

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



REF DETAIL X/19 (FOR STANDARD INSTALL)
 REF DETAIL AB/20 (FOR ALTERNATE INSTALL - REVERSED)
 REF DETAIL AF/21 (FOR ALTERNATE INSTALL - CMU)
 REF DETAIL AK/22 (FOR ALTERNATE INSTALL - 6" CMU)

SECTION K-K



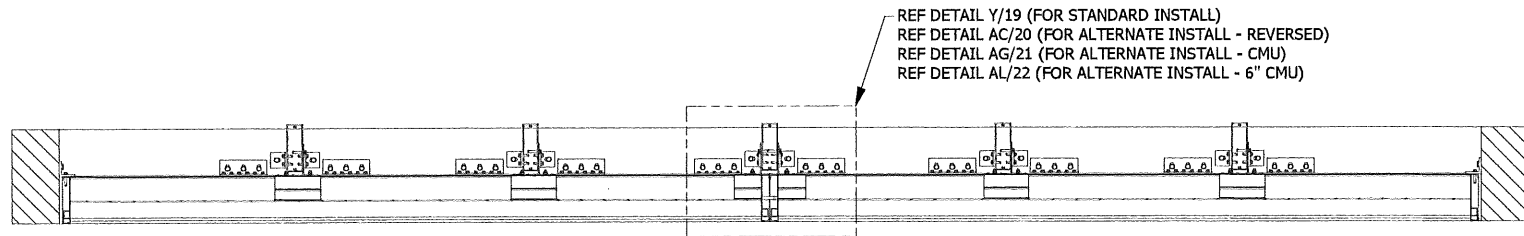
JEFFREY DEVON SMITH, P.E.
NO. 91182

Expiration Date 07/09/2031

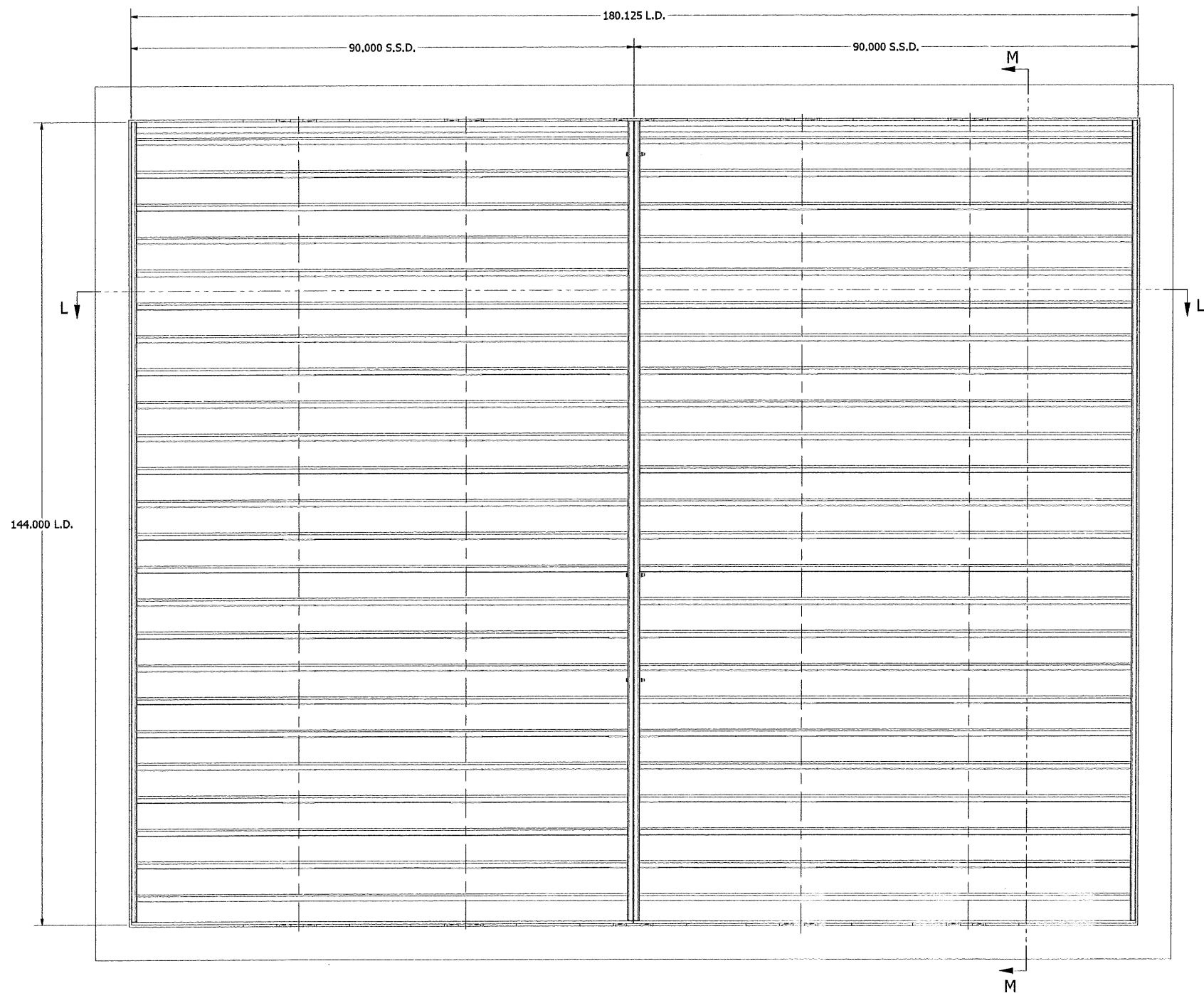
By *R. Funn*
Miami-Dade Product Control

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL	PRODUCT		ELF6375DXD			
TITLE		ASSEMBLY "C" - SINGLE SECTION ASSEMBLY - 150PSF				
SIZE D		DWG NO		60-022277-00B		RE J
SCALE		NONE		INVENTOR		SHEET 16 of 32
TD, 07	ECON 13705					

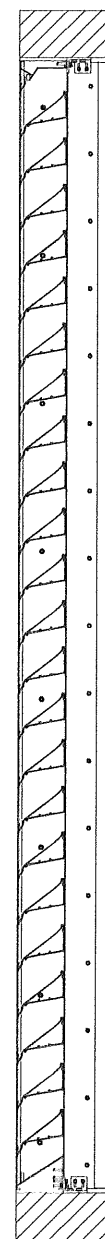
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ENGINEERING TOLERANCES PER WIQ-007



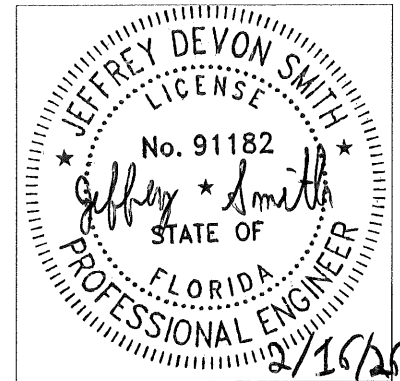
SECTION L-L



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



SECTION M-M



JEFFREY DEVON SMITH, P.E.
NO. 91182

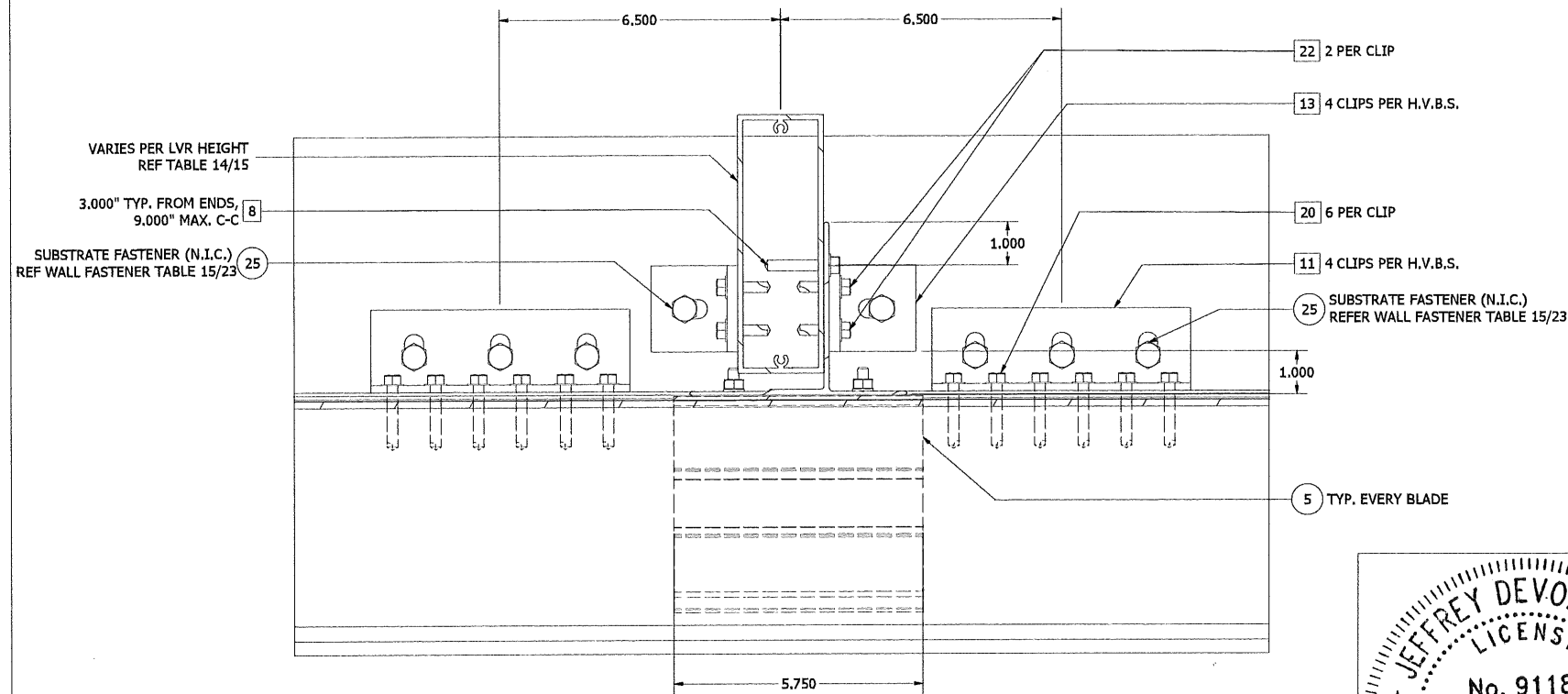
PRODUCT RENEWED
as complying with the Florida
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NOA-No. **26-0310.01**

Expiration Date **07/09/2031**

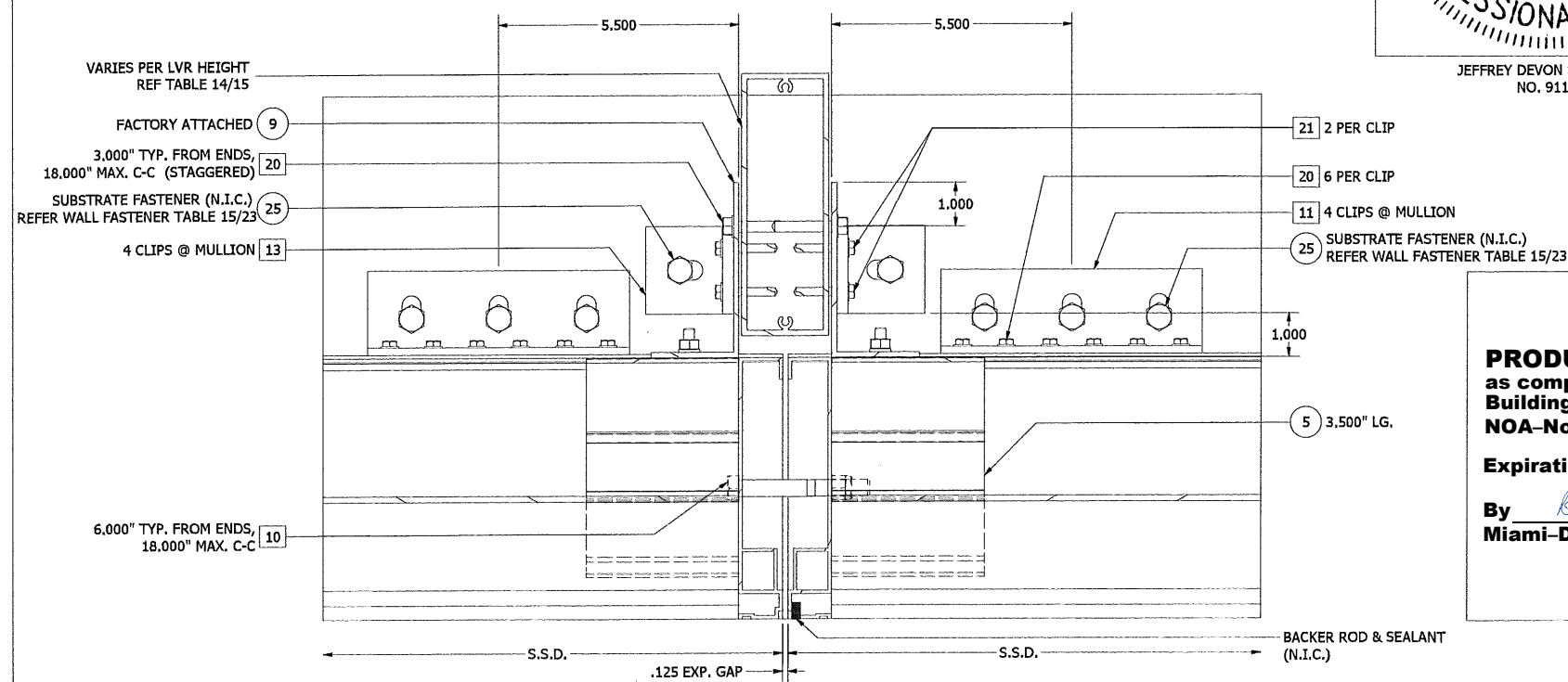
By *[Signature]*
Miami-Dade Product Control

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012	PRODUCT			
MATERIAL		ELF6375DXD				
		TITLE				
		ASSEMBLY "C" - MULTI SECTION ASSEMBLY - 150PSF				
SIZE		D	DWG NO		60-022277-00B	REV J
SCALE		NONE		INVENTOR		SHEET 17 of 32
ECN	13705					

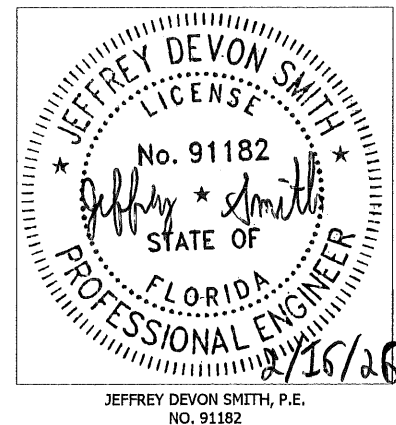
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007



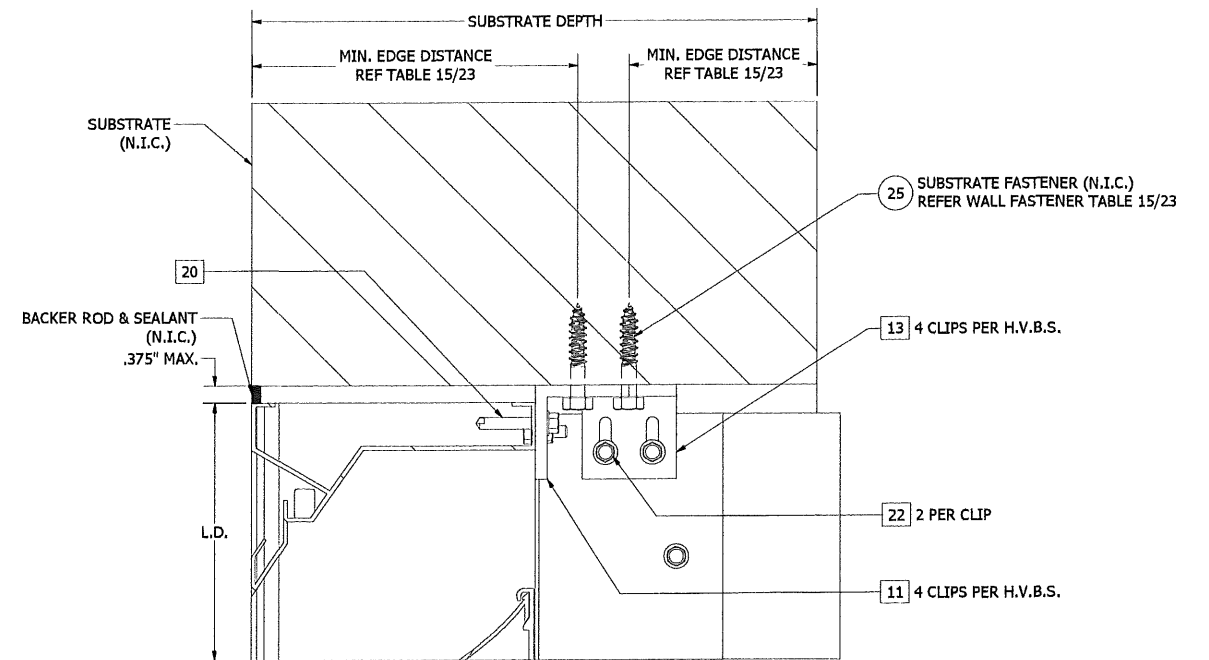
DETAIL W
H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL/CONCRETE)



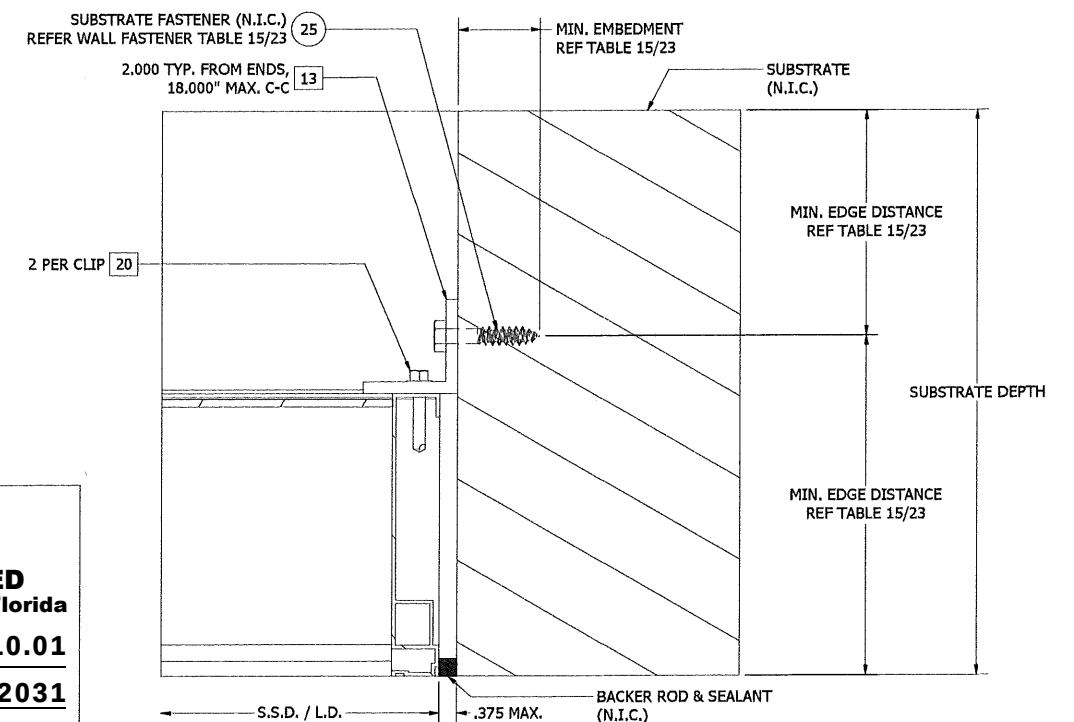
DETAIL Y
MULLION ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL/CONCRETE)



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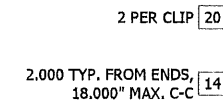
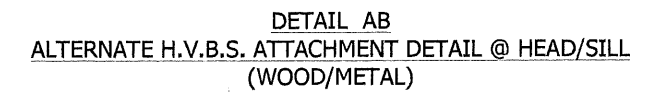
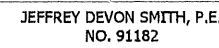
DETAIL X
H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(WOOD/METAL/CONCRETE)



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

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL			PRODUCT	ELF6375DXD		
		TITLE				
		ASSEMBLY "C" - STANDARD INSTALLATION DETAILS				
		SIZE	D	DWG NO	60-022277-00B	
				REV J		
ECN	13705	SCALE	NONE		INVENTOR	
				SHEET 19 OF 32		

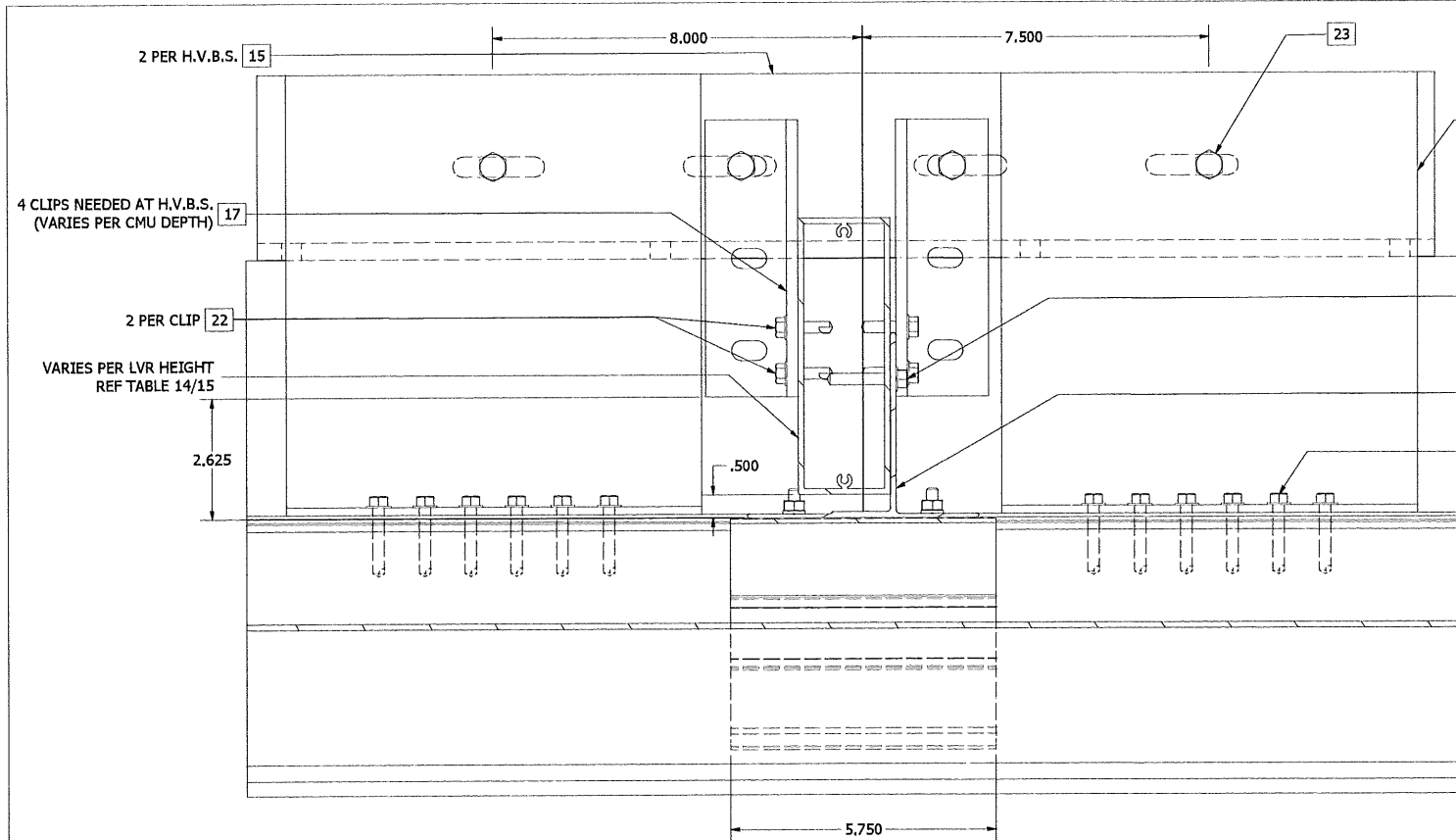
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007



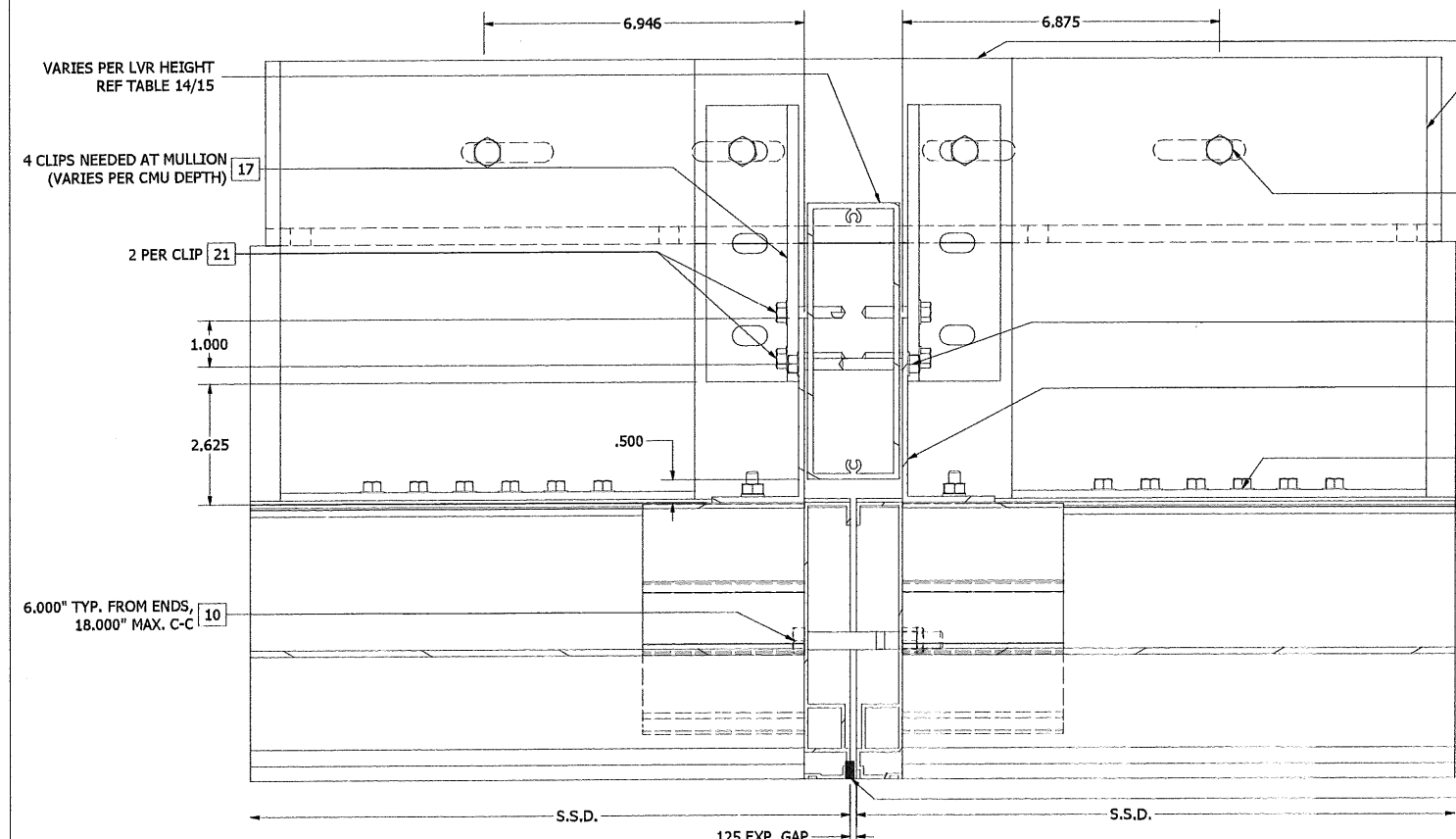
By *R. Evans*
Miami-Dade Product Control

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

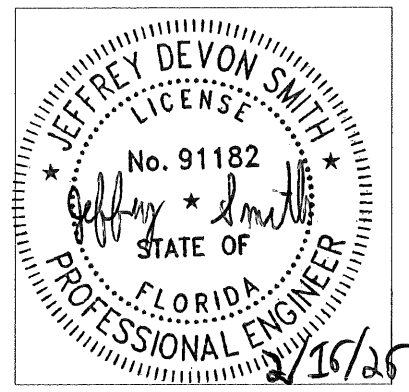
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REV	DESCRIPTION		BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL				
CHECKED	DRP	3/23/2012					
APPROVED	DRP	3/23/2012					
APPROVED							
MATERIAL			PRODUCT ELF6375DXD TITLE ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS - REVERSED SIZE D DWG NO 60-022277-00B REV J				
ECN	13705		SCALE NONE		INVENTOR		SHEET 20 OF 32



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

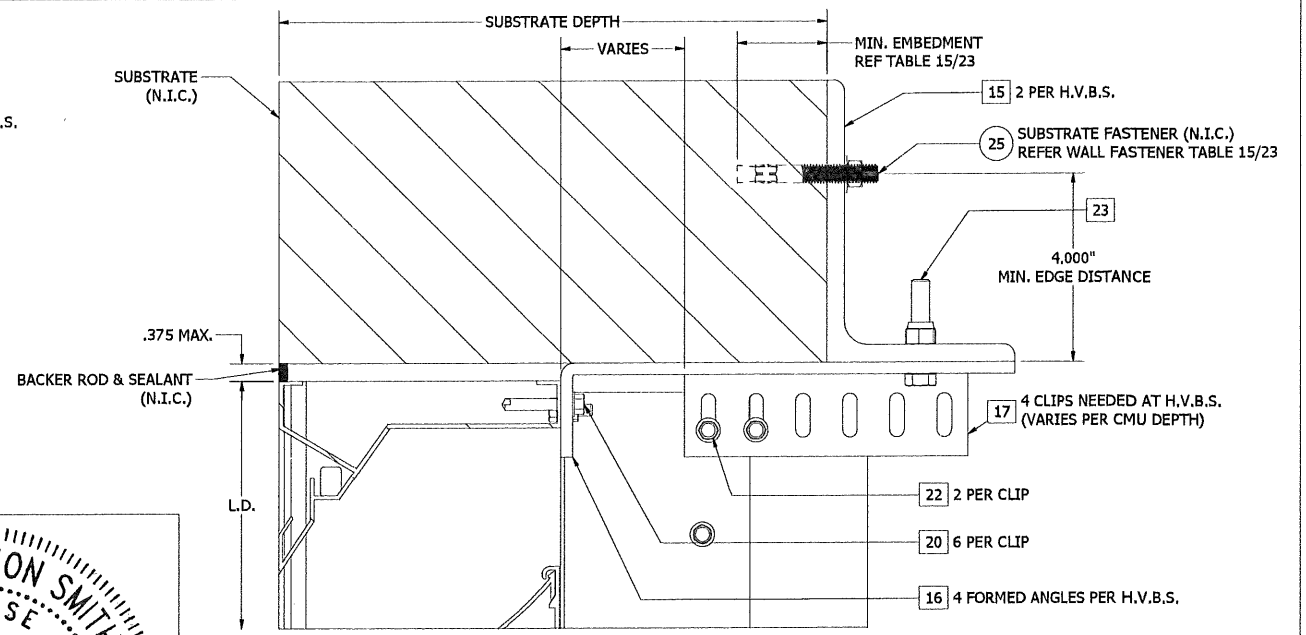


DETAIL AG
ALTERNATE MULLION ATTACHMENT DETAIL @ HEAD/SILL
(> 6" CMU)

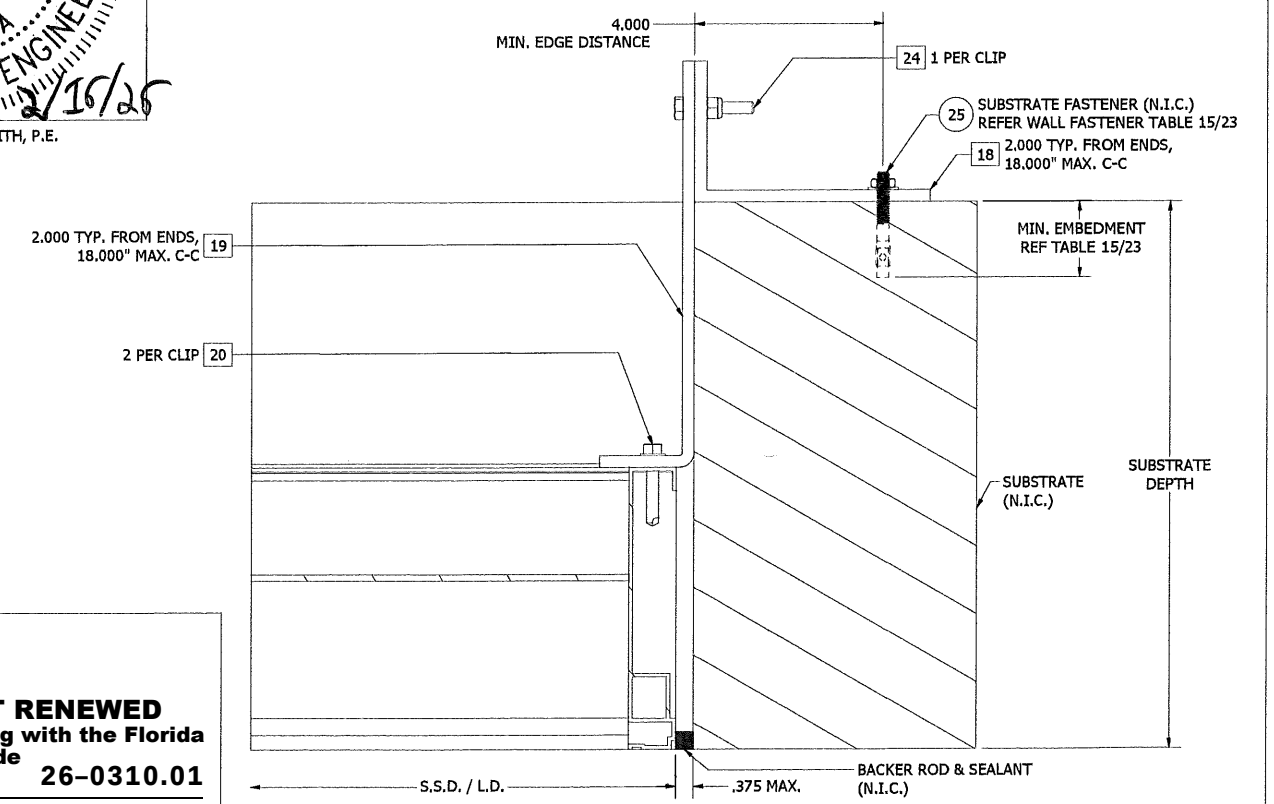


JEFFREY DEVON SMITH, P.E.
NO. 91182

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0310.01**
Expiration Date **07/09/2031**
By *[Signature]*
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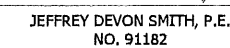
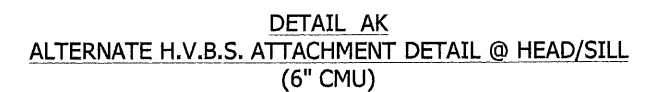
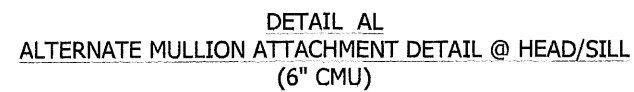
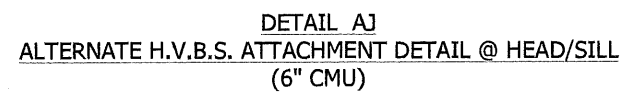
DETAIL AF
ALTERNATE H.V.B.S. ATTACHMENT DETAIL @ HEAD/SILL
(> 6" CMU)



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

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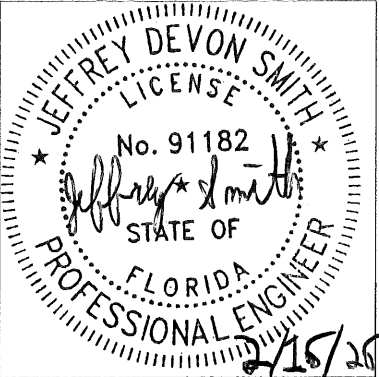
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REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL						
RUSKIN AUTHORITY IN AIR CONTROL 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL						
PRODUCT: ELF6375DXD TITLE: ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS (>6" CMU) SIZE: D DWG NO: 60-022277-00B REV: J SCALE: NONE INVENTOR: SHEET 21 OF 32						
EEN	13705					



J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012			3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL	TITLE		ELF6375DXD			
ASSEMBLY "C" - ALTERNATE INSTALLATION DETAILS (6" CMU)						
SIZE D			DWG NO 60-022277-00B			REV J
ECON 13705	SCALE NONE		INVENTOR		SHEET 22 OF 32	

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

TABLE 15 - ELF6375DXD - 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)



JEFFREY DEVON SMITH, P.E.
NO. 91182

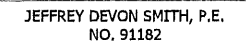
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0310.01**
Expiration Date **07/09/2031**
By 
Miami-Dade Product Control

TABLE 16 - ELF6375DXD - 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

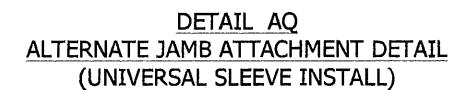
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H	REV'D ENGINEER OF RECORD, UPDATED INFO.		NS	JDS	JDS	04/04/24	
G	REV'D ENGINEER OF RECORD, UPDATED INFO.		NS	JDS	VMA	07/18/22	
F	REV'D FOR 100 PSF WINDLOAD		RVT	JDS	VMA	04/14/22	
E	REV'D ENGINEER OF RECORD, UPDATED INFO.		NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION		BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012			3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL		
CHECKED	DRP	3/23/2012					
APPROVED	DRP	3/23/2012					
APPROVED							
MATERIAL			PRODUCT	ELF6375DXD			
			TITLE				
			WALL FASTENER TABLE				
			SIZE	DWG NO			REV
			D	60-022277-00B			J
			SCALE	NONE			
ECN			13705		INVENTOR		SHEET 23 OF 32



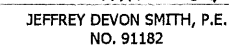
By *R. F. [Signature]*
Miami-Dade Product Control

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ENGINEERING TOLERANCES PER WIQ-007

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL	TITLE		ELF6375DXD			
			UNIVERSAL SLEEVE ASSEMBLY			
SIZE D			DWG NO			REV J
			60-022277-00B			
ECN	13705	SCALE	NONE		INVENTOR	SHEET 74 OF 32

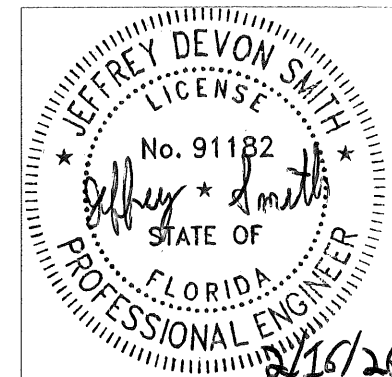


By
Miami-Dade Product Control

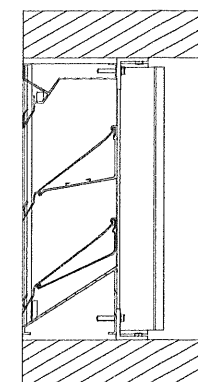


E. UNLESS OTHERWISE SPECIFIED, USE STD. ENGINEERING TOLERANCES PER WIQ-007

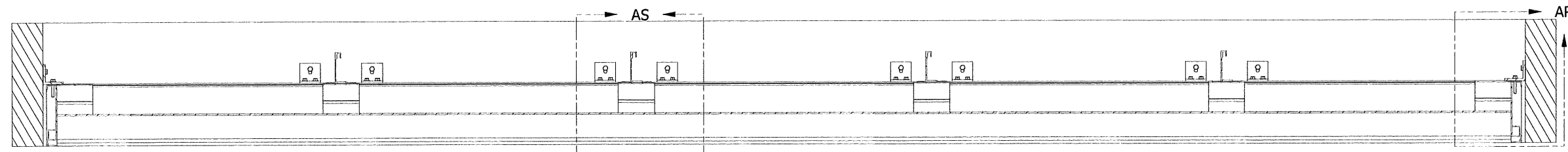
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G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL	PRODUCT		ELF6375DXD			
TITLE		UNIVERSAL SLEEVE INSTALLATION DETAILS				
SIZE D		DWG NO 60-022277-00B				REV J
SCALE		NONE		INVENTOR		SHEET 25 OF 32



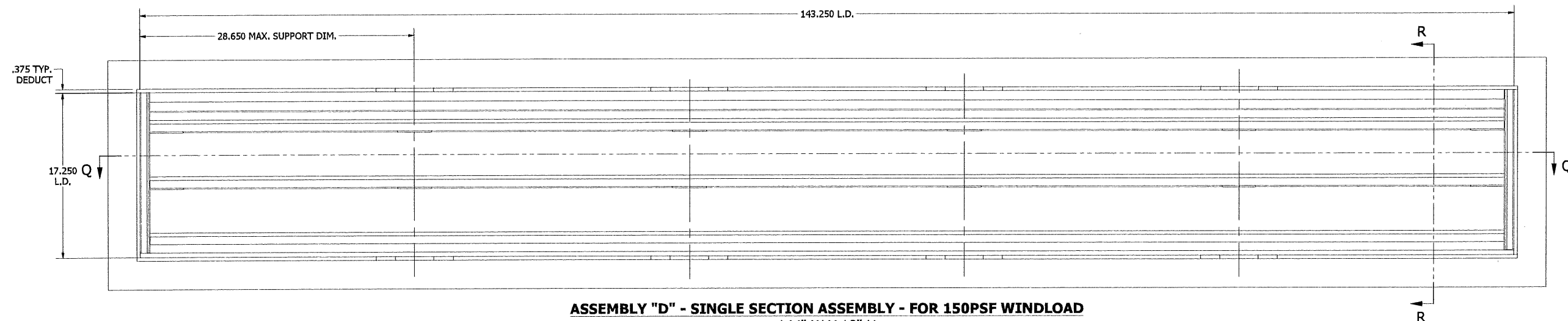
JEFFREY DEVON SMITH, P.E.
NO. 91182



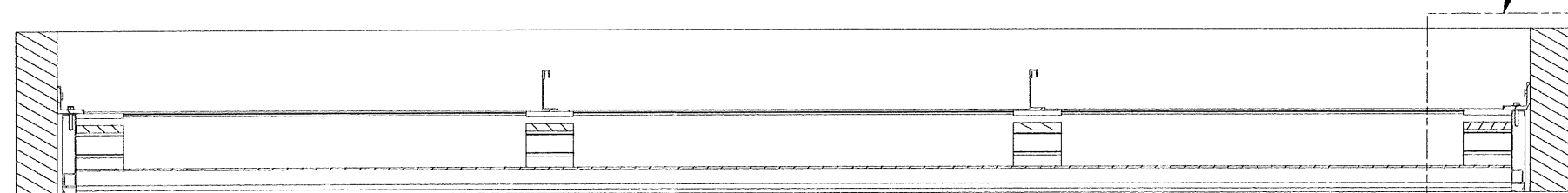
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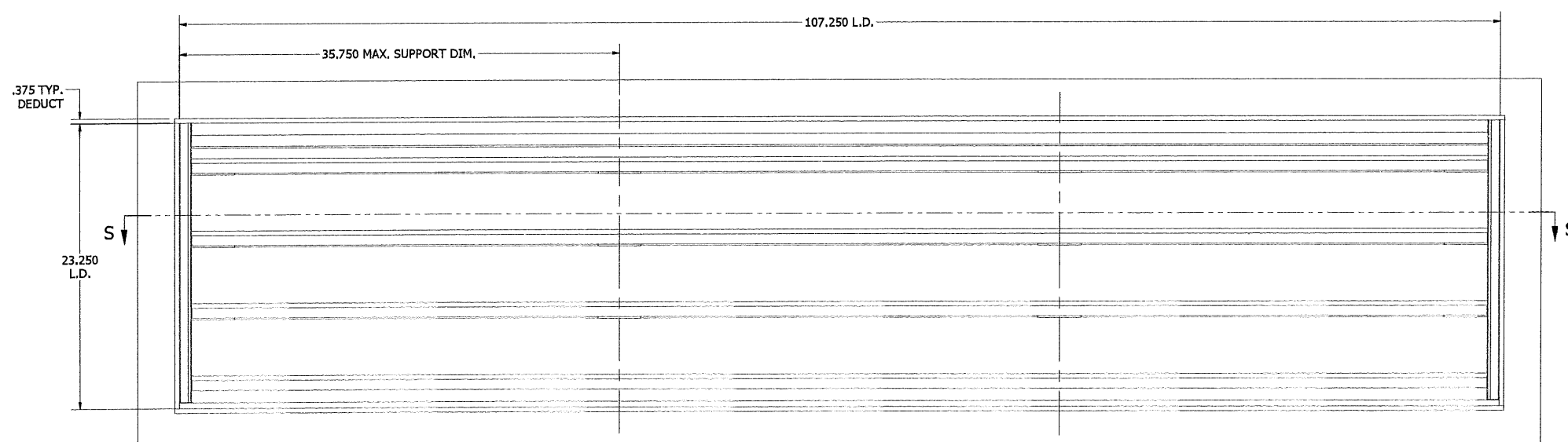
SECTION Q-Q



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

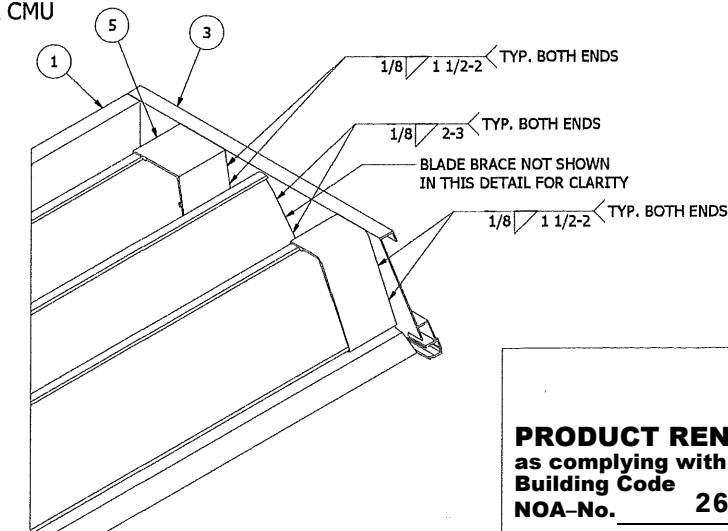


SECTION S-S



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

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



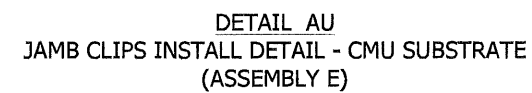
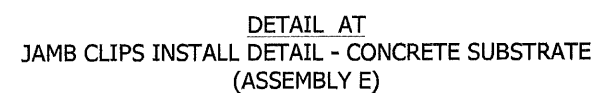
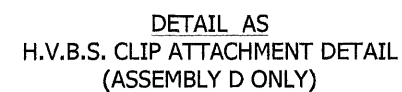
BLADE BRACE WELDING DETAIL
(ASSEMBLY D & E)

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0310.01**
Expiration Date **07/09/2031**

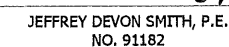
By *[Signature]*
Miami-Dade Product Control

AUTHOR DJR 2/16/2012			 RUSKIN AUTHORITY IN AIR CONTROL	3900 Doctor Greaves Rd Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	
CHECKED DRP 3/23/2012					
APPROVED DRP 3/23/2012					
APPROVED					
MATERIAL			PRODUCT	ELF6375DXD	
			TITLE	ASSEMBLY "D" & "E" - SINGLE SECTION ASSEMBLY - 150PSF	
			SIZE D	DWG NO	60-022277-00B
			SCALE	NONE	INVENTOR SHEET 26 OF 32

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

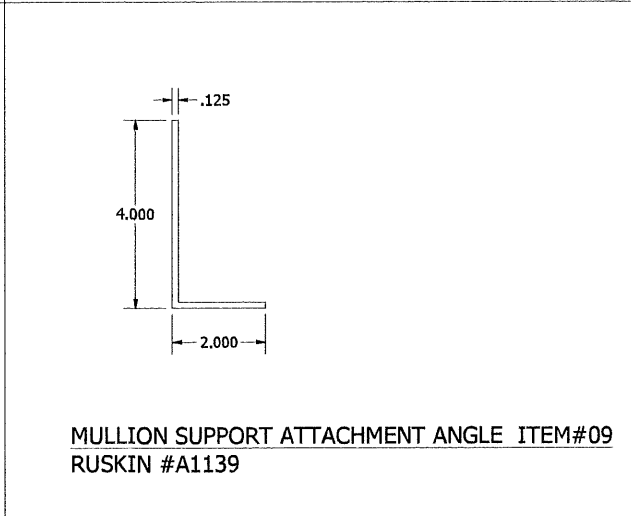
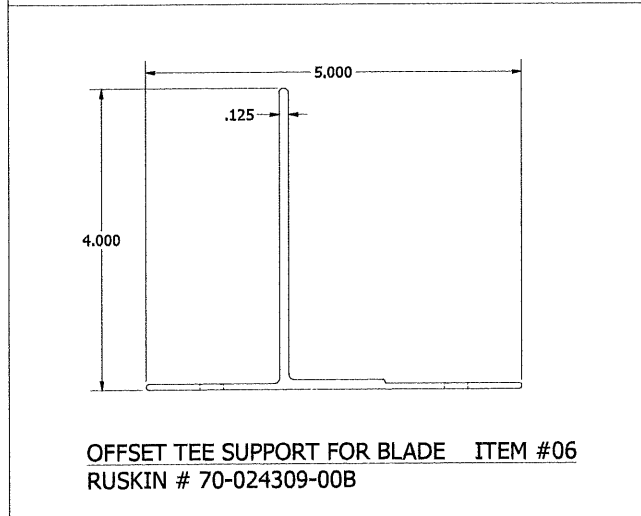
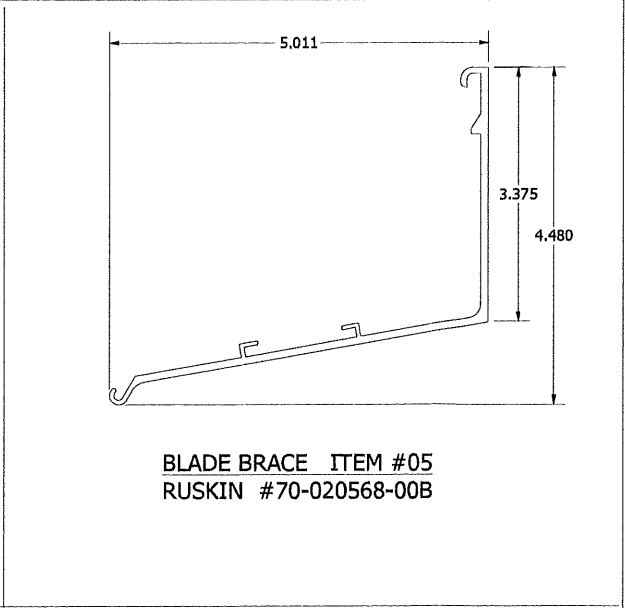
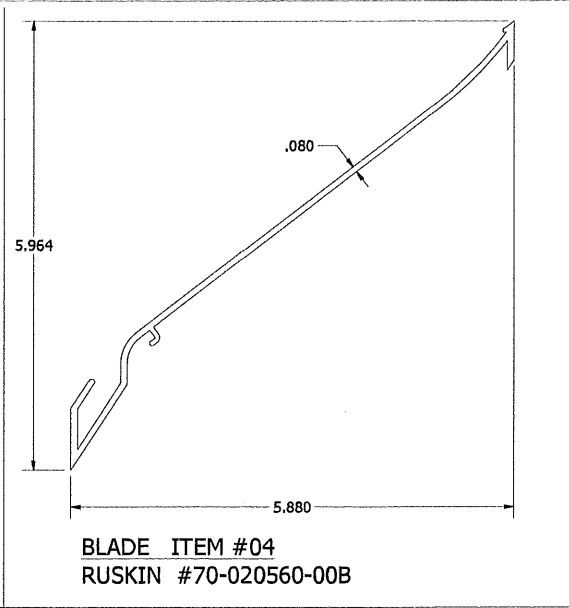
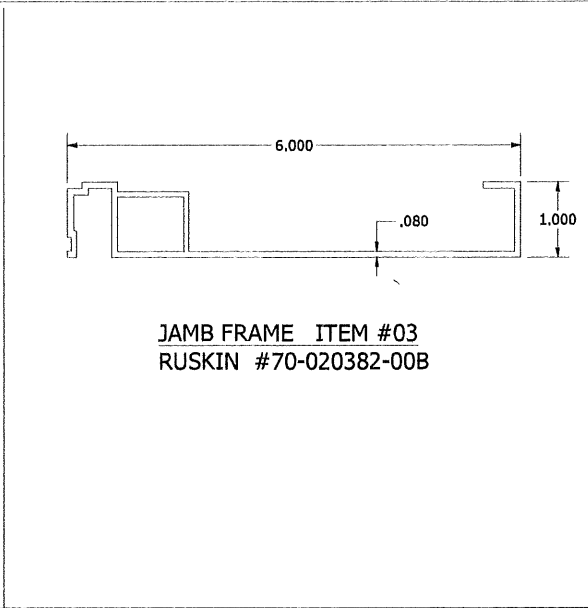
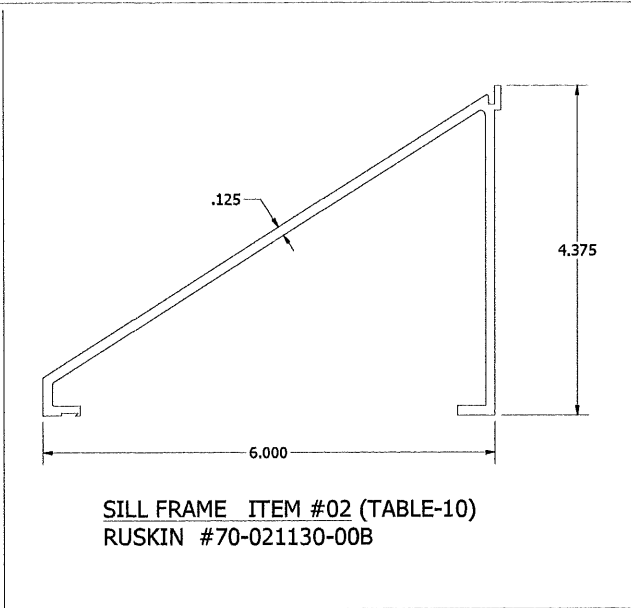
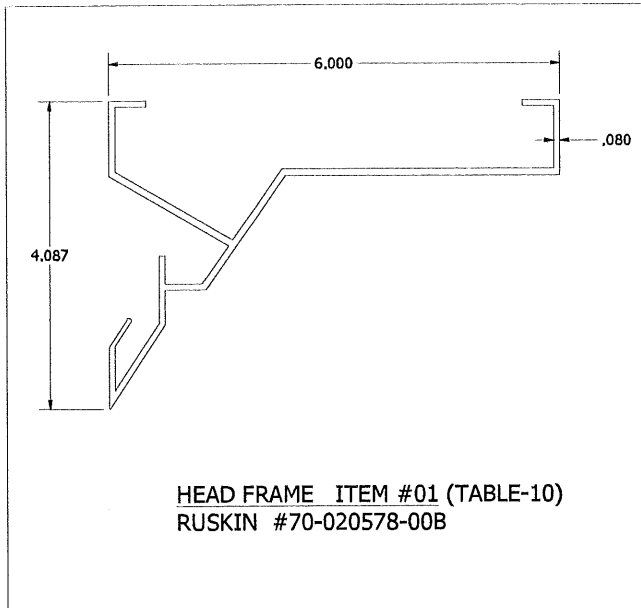


By *[Signature]*
Miami-Dade Product Control



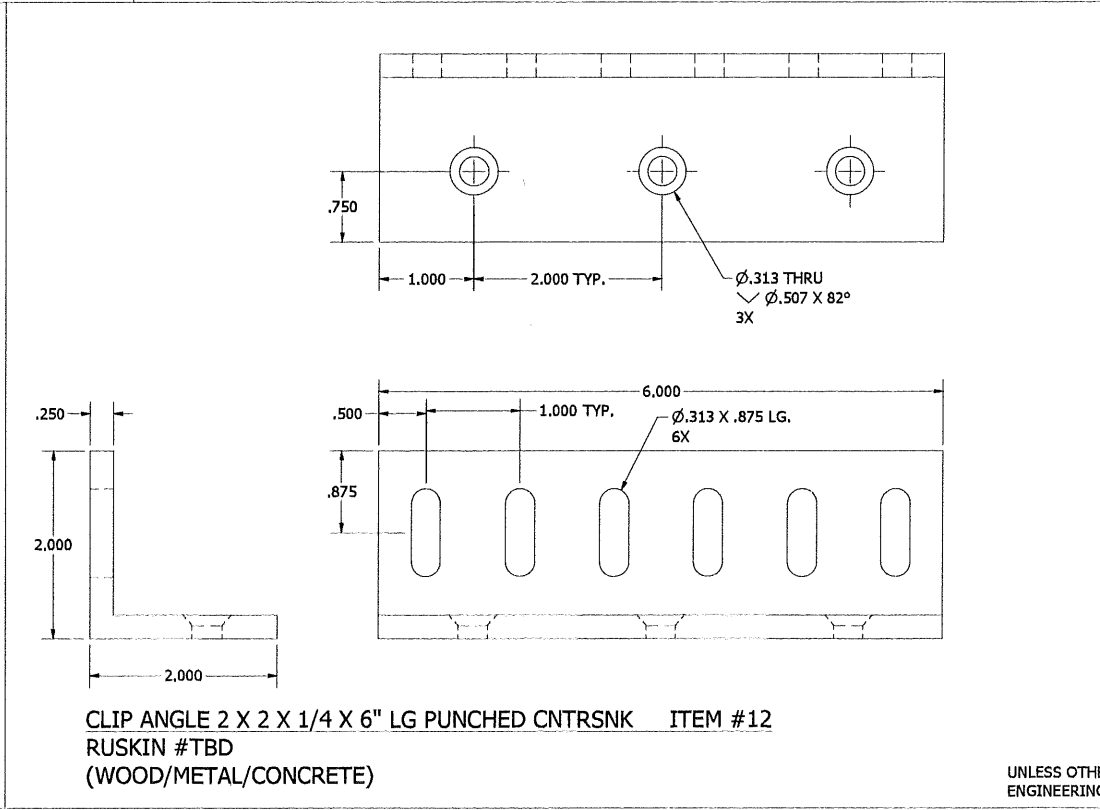
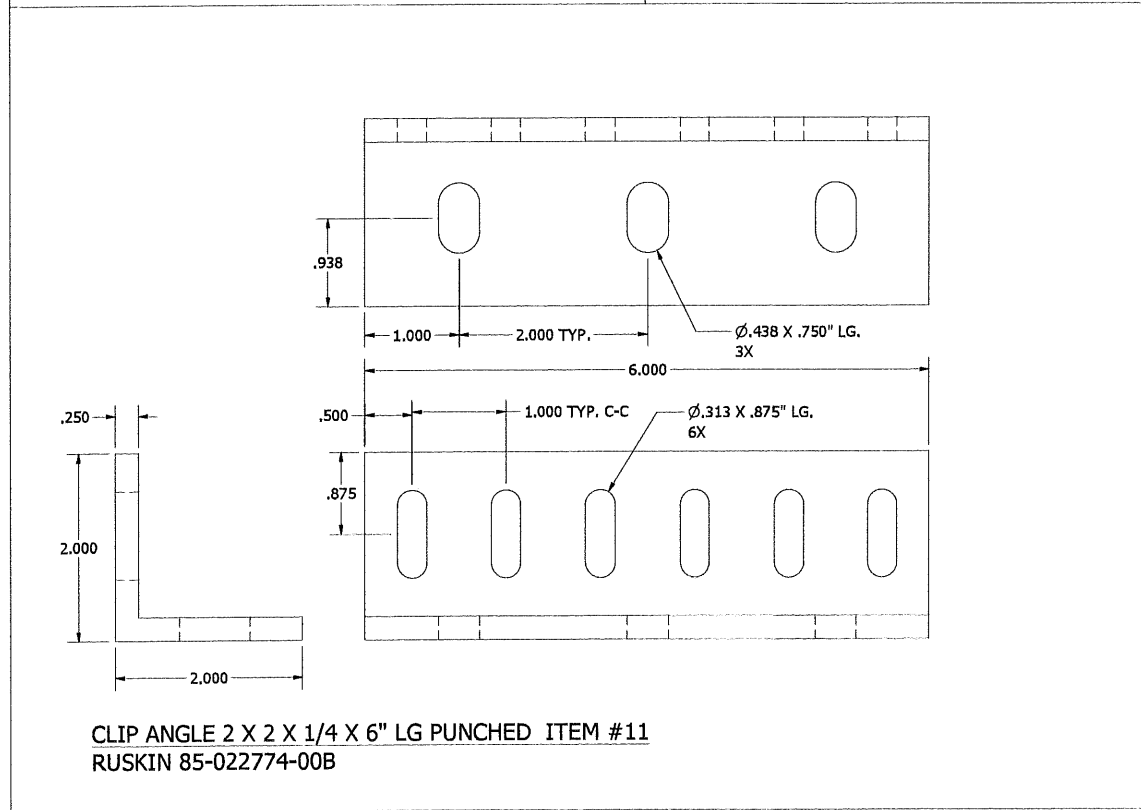
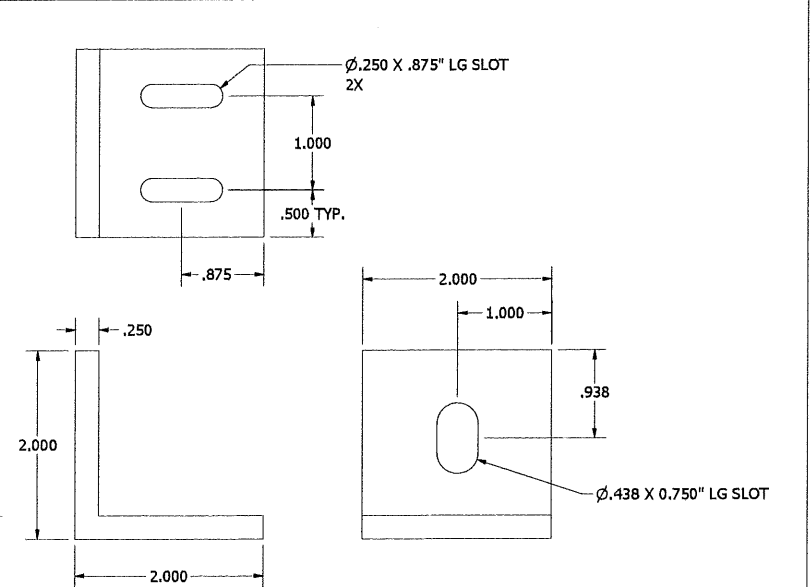
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REV	DESCRIPTION		BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL				
CHECKED	DRP	3/23/2012					
APPROVED	DRP	3/23/2012					
APPROVED							
MATERIAL		PRODUCT		ELF6375DXD			
		TITLE ASSEMBLY "D" & "E" - DETAILS - 150PSF					
		SIZE D		DWG NO		60-022277-00B	
ECN		SCALE		INVENTOR		SHEET 27 OF 32	
13705		NONE					

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



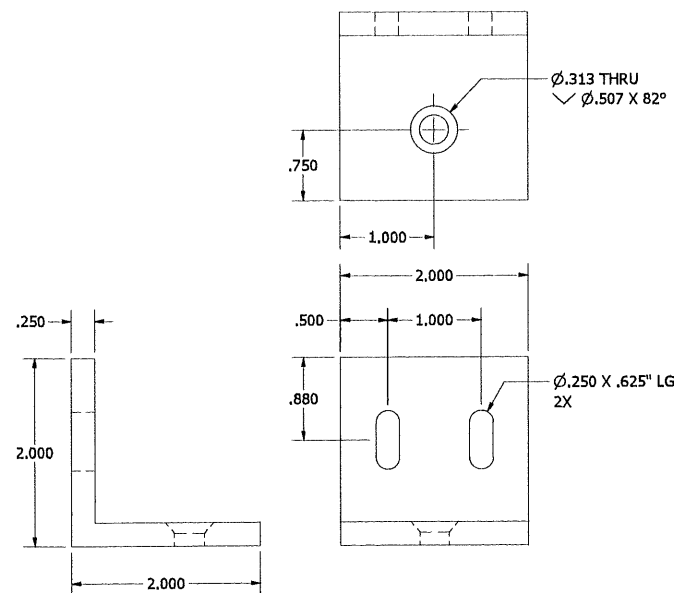
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0310.01**
Expiration Date **07/09/2031**
By *[Signature]*
Miami-Dade Product Control

JEFFREY DEVON SMITH, P.E.
NO. 91182

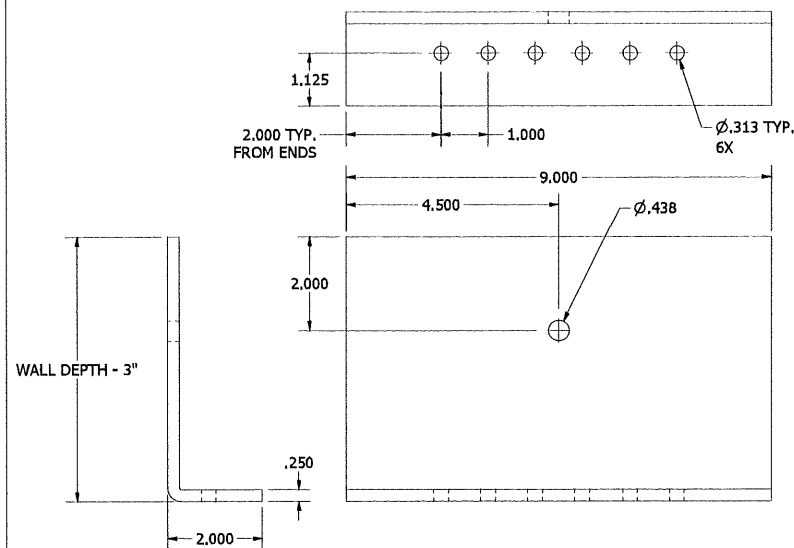


J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL	ELF6375DXD					
	ELF6375DXD - PARTS					
SIZE	D	DWG NO	60-022277-00B	REV	J	
SCALE	NONE	INVENTOR		SHEET	28	OF 32
ECN	13705					

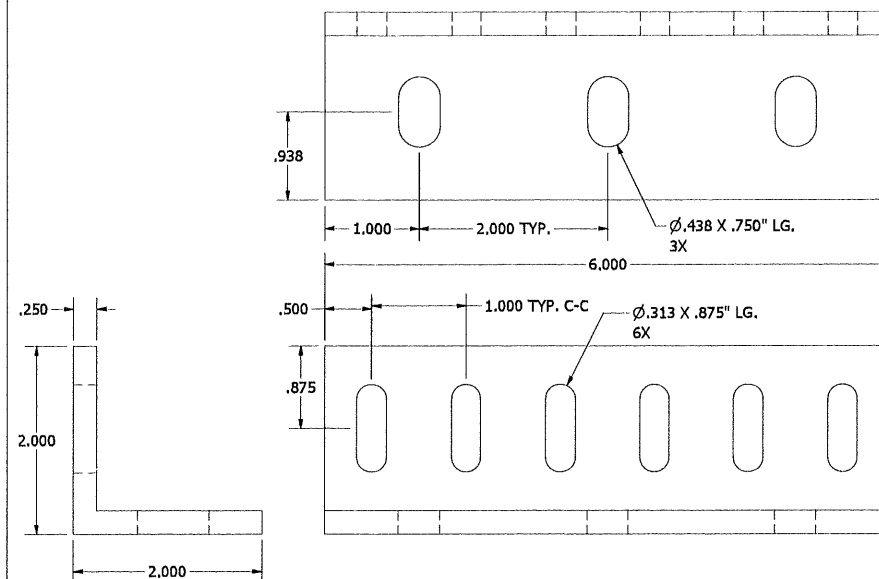
UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007



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

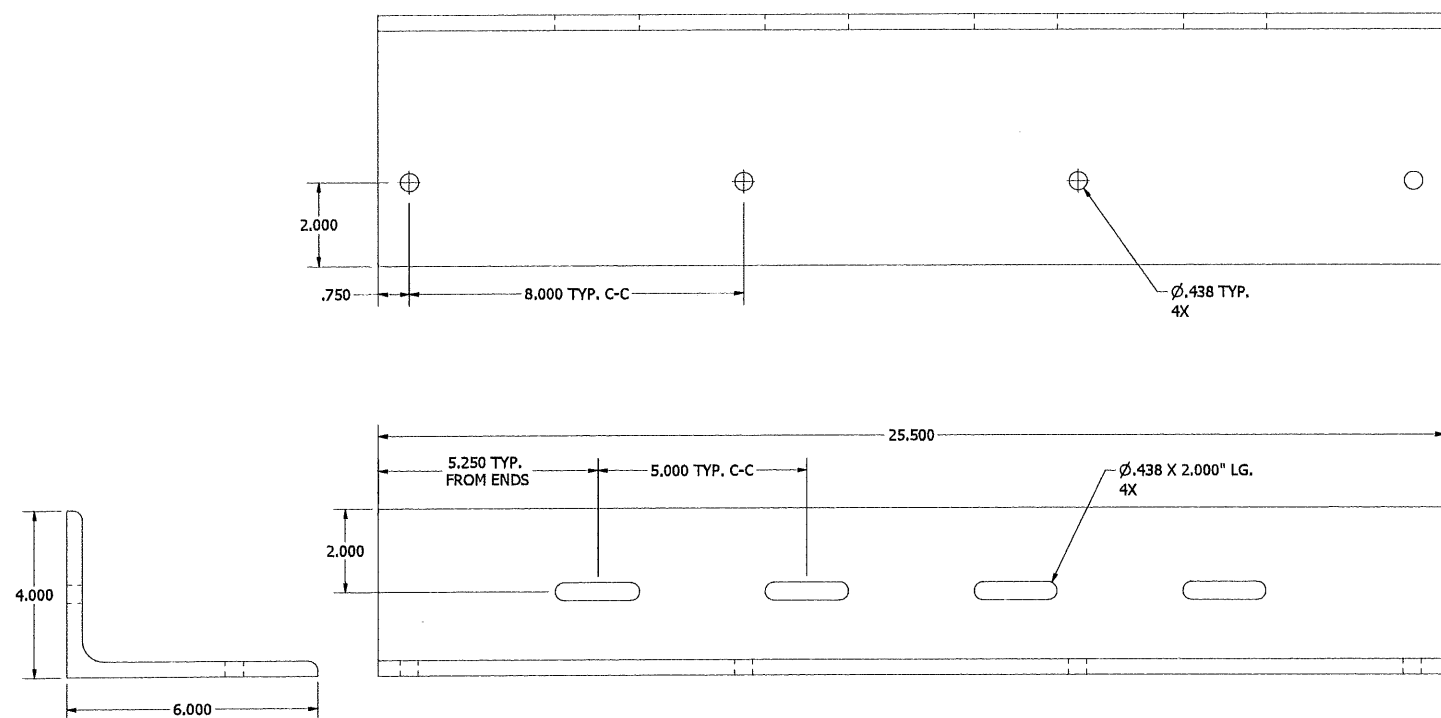


CMU ATTACHMENT ANGLE - HEAD/SILL ITEM #16
 RUSKIN #85-023366-00B
 (6, 8, 10 & 12 IN GROUT-FILLED CMU)

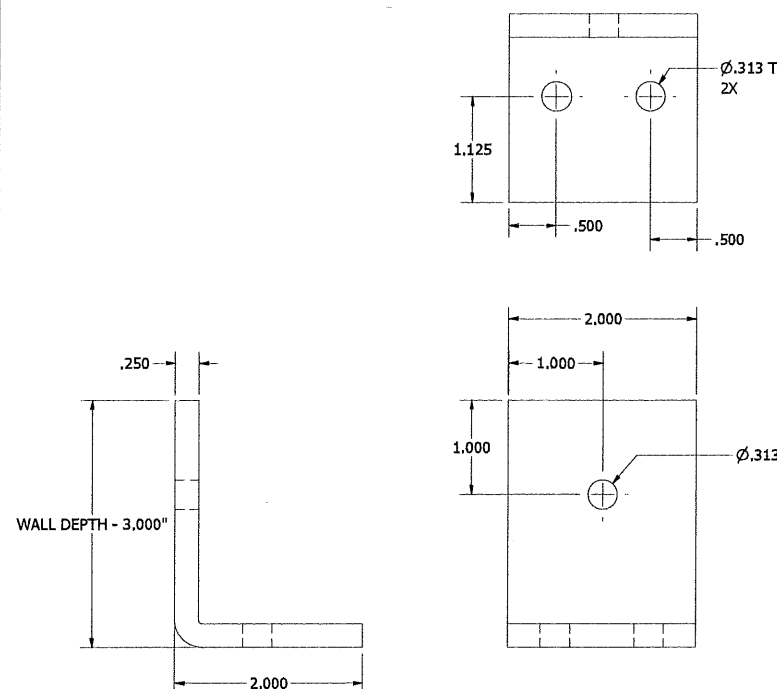


CLIP ANGLE 2 X 2 X 1/4 X 6" LG PUNCHED ITEM #17
 RUSKIN 85-022774-00B

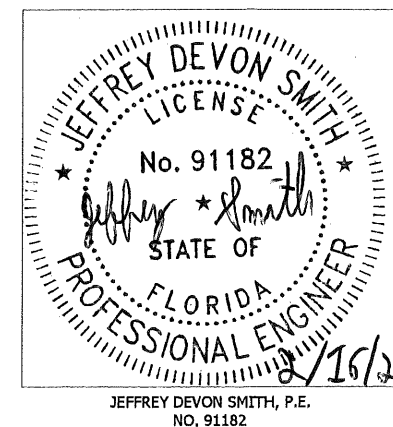
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. **26-0310.01**
 Expiration Date **07/09/2031**
 By *[Signature]*
 Miami-Dade Product Control



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

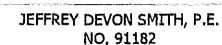
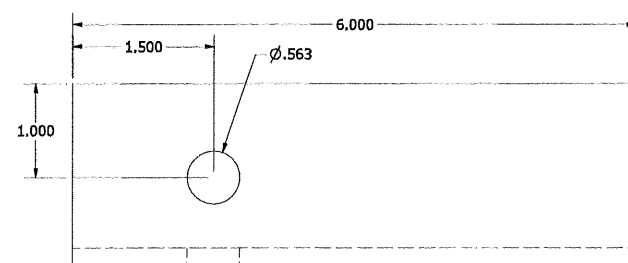
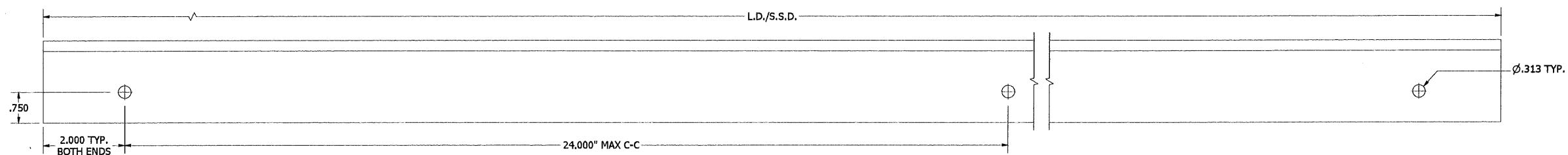
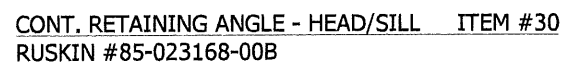
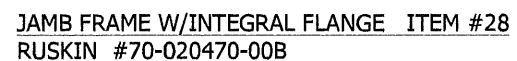
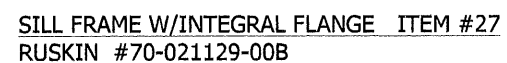


CMU ATTACHMENT ANGLE - JAMBS ITEM #19
 RUSKIN #85-023367-00B
 (GROUT-FILLED CMU)



J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL	PRODUCT		ELF6375DXD			
		TITLE		ELF6375DXD - PARTS		
		SIZE D	DWG NO	60-022277-00B		
ECN	13705	SCALE	NONE	INVENTOR	SHEET 29 of 32	

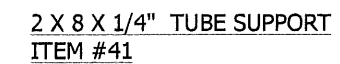
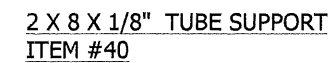
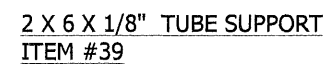
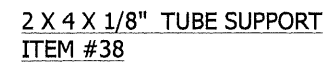
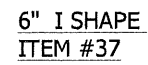
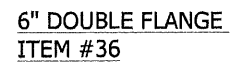
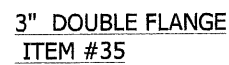
UNLESS OTHERWISE SPECIFIED, USE STD.
 ENGINEERING TOLERANCES PER WIQ-007



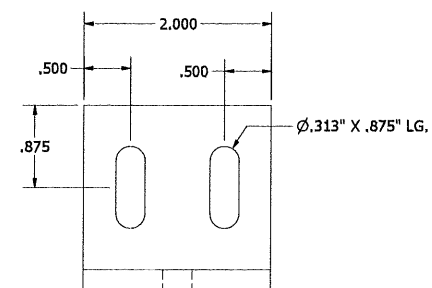
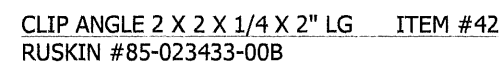
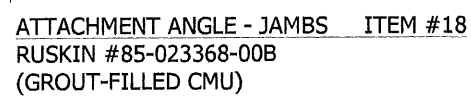
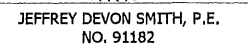
By 
Miami-Dade Product Control

J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/20
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/20
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/20
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/20
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				3900 Doctor Greaves Rd Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
MATERIAL	TITLE		ELF6375DXD			
		ELF6375DXD - PARTS				
		SIZE D	DWG NO		60-022277-00B	
ECN	13705	SCALE	NONE		1/4"=1'-0"	SHEET 30 OF 32

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

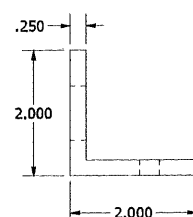
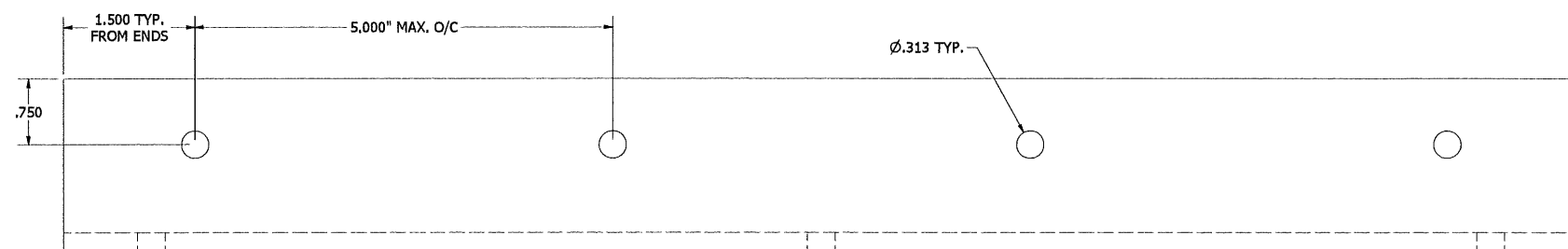
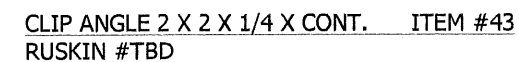


By 
Miami-Dade Product Control

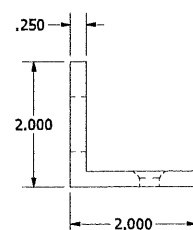
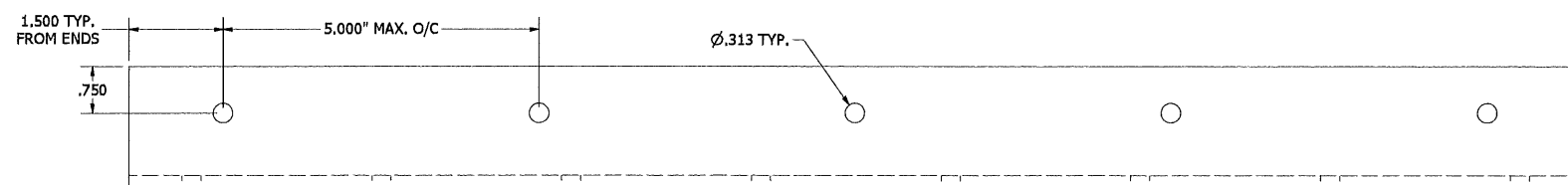
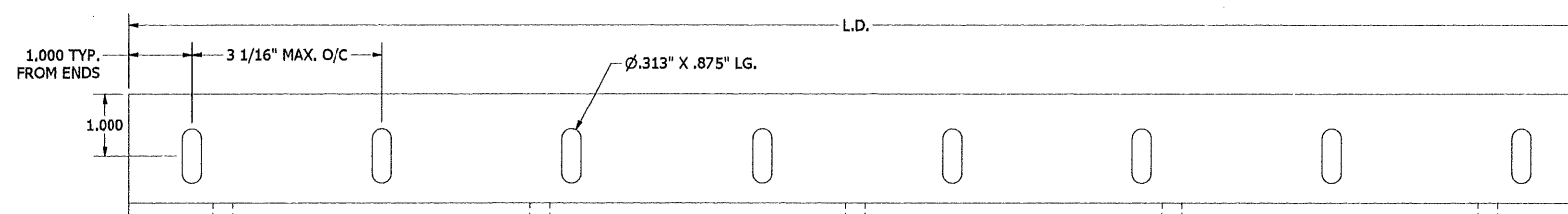


UNLESS OTHERWISE SPECIFIED, USE STD.
ENGINEERING TOLERANCES PER WIQ-007

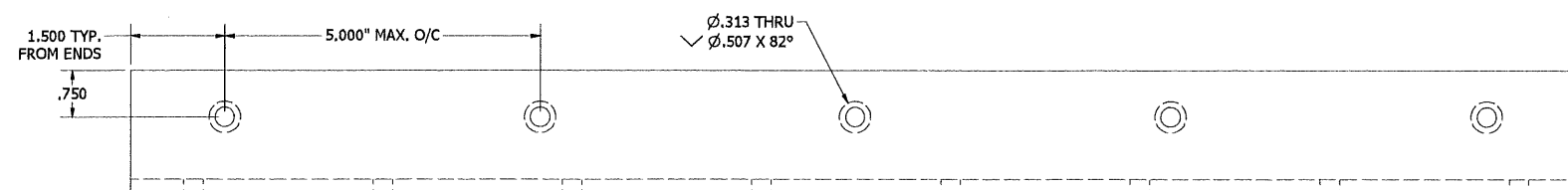
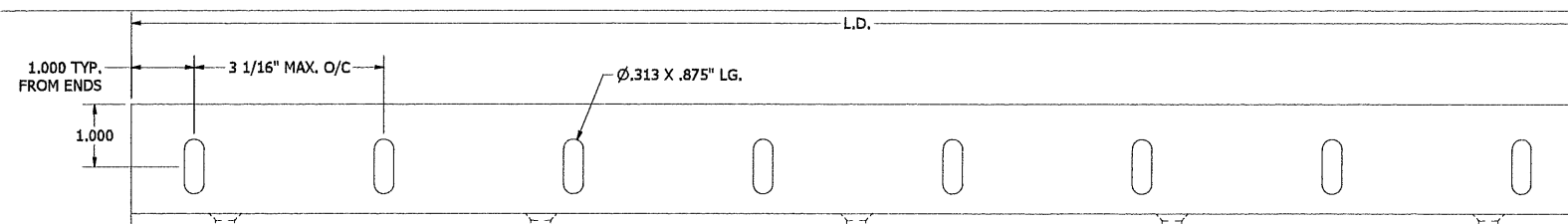
J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES	NS	JDS	JDS	JDS	03/12/25
H	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	JDS	JDS	04/04/24
G	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	VMA	JDS	07/18/22
F	REV'D FOR 100 PSF WINDLOAD	RVT	JDS	VMA	JDS	04/14/22
E	REV'D ENGINEER OF RECORD, UPDATED INFO.	NS	JDS	WRT	MMM	09/25/20
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
CHECKED	DRP	3/23/2012				
APPROVED	DRP	3/23/2012				
APPROVED						
MATERIAL	PRODUCT		ELF6375DXD			
		TITLE				
		ELF6375DXD - PARTS				
		SIZE D	DWG NO			REV J
		60-022277-00B				
ECN	13705	SCALE	NONE		SHEET 31 of 32	



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

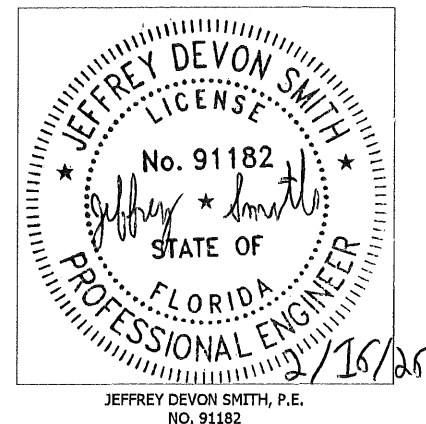


CLIP ANG 2 X 2 X 1/4 X CONT. X CNTRSNK ITEM #45
RUSKIN #TBD



Expiration Date 07/09/2031

By *R. F. F.*
Miami-Dade Product Control



J	REV'D FOR ADDED 150 PSF WINDLOAD SIZES			NS	JDS	JDS	JDS	03/12/2
REV	DESCRIPTION			BY	CHK	APVD	APVD	DATE
AUTHOR	DJR	2/16/2012				3900 Doctor Greaves Rd Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL		
CHECKED	DRP	3/23/2012						
APPROVED	DRP	3/23/2012						
APPROVED								
MATERIAL			PRODUCT			ELF6375DXD		
			TITLE			ELF6375DXD - PARTS		
			SIZE D		DWG NO		60-022277-00B	
ECN 13705			SCALE NONE		INVENTOR		SHEET 32 OF 32	

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