



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 ELF375DXD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-021902-00D**, titled "ELF375DXD Louver", sheets 1 through 11 of 11, dated 05/26/2006, with revision **D** dated 03/02/2018, prepared by Ruskin Company, signed and sealed by Melissa M. Massar, 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 into the room, and the room will house water resistant/ water proof 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 **revises NOA # 18-0201.08** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



NOA-No. 20-0909.02
Expiration Date: January 03, 2023
Approval Date: November 19, 2020
Page 1

Ruskin Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS “Submitted under NOA # 15-0923.05”

1. Drawing No. **60-021902-01D** through **05B**, titled “ELF375DXD Louver”, sheets 1 through 5 of 5, dated 05/26/2006, with revision **C**, dated 09/11/2015, prepared by Ruskin Company, signed and sealed by Chelsea GQ Welch, P.E.

B. TESTS “Submitted under NOA # 07-0621.07”

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 ELF375DXD Test Louver, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-3377-1**, dated 03/19/2007, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS “Submitted under NOA # 15-0923.05”

1. Louver and anchor calculations prepared by Ruskin Engineering, dated 09/08/2015, signed and sealed by Chelsea GQ Welch, P.E.

“Submitted under NOA # 07-0621.07”
2. Louver and anchor calculations prepared by Ruskin Engineering, dated 05/14/2007 and 11/20/2007, signed and sealed by Daniel J. Rau, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.


F. STATEMENTS “Submitted under NOA # 16-1110.03”

1. Distributor agreement dated 09/22/2016.

“Submitted under NOA # 15-0923.05”
2. Statement letter of code conformance to the 5th edition (2014) FBC, issued by Ruskin Company, dated 09/08/2015, signed and sealed by Chelsea GQ Welch, P.E.

“Submitted under NOA # 12-0816.02”
3. Statement letter of code conformance to 2010 FBC, issued by Ruskin Company, dated 06/13/2012, signed and sealed by Daniel J. Rau, P.E.

“Submitted under NOA # 07-0621.07”
4. No financial interest letter issued by Ruskin Company, dated 05/25/2007. signed and sealed by Daniel J. Rau, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 20-0909.02

Expiration Date: January 03, 2023
Approval Date: November 19, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA # 18-0201.08

A. DRAWINGS

1. Drawing No. **60-021902-00D**, titled “ELF375DXD Louver”, sheets 1 through 11 of 11, dated 05/26/2006, with revision **D** dated 03/02/2018, prepared by Ruskin Company, signed and sealed by Melissa M. Massar, 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 203-94along with marked-up drawings and installation diagram of ELF375DXD Test Louver, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-4090-01**, dated 12/07/2017, signed and sealed by Douglas J. McDougall, P.E.

C. CALCULATIONS

1. Louver wind load review prepared by Ruskin Company, dated 03/08/2018, signed and sealed by Melissa M. Massar, 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 6th edition (2017) FBC issued by Ruskin Company, dated 03/08/2018, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of no financial interest issued by Ruskin Company, dated 03/08/2018, signed and sealed by Melissa M. Massar, P.E.
3. Laboratory compliance letter for Test Report No. **NCTL-210-4090-01**, issued by National Certified Testing Laboratories, Inc., dated 12/07/2017, signed and sealed by Douglas J. McDougall, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 20-0909.02

Expiration Date: January 03, 2023
Approval Date: November 19, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 18-0201.08”

1. Drawing No. **60-021902-00D**, titled “ELF375DXD Louver”, sheets 1 through 11 of 11, dated 05/26/2006, with revision **D** dated 03/02/2018, prepared by Ruskin Company, signed and sealed by Melissa M. Massar, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

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 7th edition (2020) FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of no changes and not been affected by any changes in the 2020 FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.

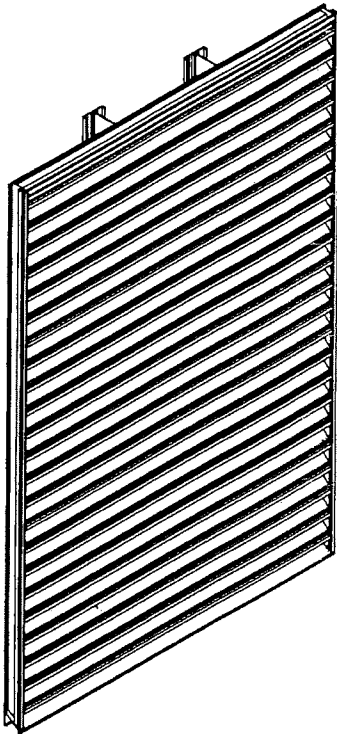


Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 20-0909.02

Expiration Date: January 03, 2023
Approval Date: November 19, 2020

PARTS LIST			
FOR CHANNEL FRAME LOUVER			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	.080" THK EXTRUDED ALUM.	6063-T6
2	SILL FRAME	.125" THK EXTRUDED ALUM.	6063-T6
3	JAMB FRAME	.080" THK EXTRUDED ALUM.	6063-T6
4	BLADE	.080" THK EXTRUDED ALUM.	6063-T6
5	BLADE BRACE	.080" THK EXTRUDED ALUM.	6063-T6
6	2 X .125 STRAP	.125" THK EXTRUDED ALUM.	6063-T6
7	H.V.B.S.	VARIES REF TABLE 1	6063-T6
7A	H.V.B.S.	VARIES REF TABLE 1	6063-T6
MULTI SECTION CONNECTION PARTS			
8	MULLION SUPPORT	VARIES REF TABLE 2	6063-T6
8A	MULLION SUPPORT	VARIES REF TABLE 2	6063-T6
9	3/8-16 X 3.000" LG A307 GRADE A HHB W/ WASHER & LOCKNUT	ZINC PLATED	-
10	1/4-20 X 1.500" LG A307 GRADE A HHB BOLT W/ WASHER & LOCKNUT	ZINC PLATED	-
STANDARD UNIVERSAL SLEEVE			
11	FRONT FLANGE UNIVERSAL SLEEVE	.188" THK FORMED ALUM.	3003-H14 OR 5005-H34
12	HEAD FRAME W/ INTEGRAL FLANGE	.080" THK EXTRUDED ALUM.	6063-T6
13	SILL FRAME W/ INTEGRAL FLANGE	.125" THK EXTRUDED ALUM.	6063-T6
14	JAMB FRAME W/ INTEGRAL FLANGE	.080" THK EXTRUDED ALUM.	6063-T6
15	CONT. RETAINING ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
16	1/4-14 SAE GRADE 2 "HWH" TYPE "SD" SCREW	ZINC PLATED	-
17	UNIVERSAL SLEEVE ATTACHMENT ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
INSTALLATION PARTS			
18	ATTACHMENT CLIP ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
19	#10-16 SAE GRADE 2 "HWH" "SD" SCREW W/ WASHER	ZINC PLATED	-
20	SUBSTRATE FASTENER (BY OTHERS)	VARIES REF TABLE 3/11	-

TABLE 1			
H.V.B.S.			
ITEM	LOUVER SIZE	SUPPORT	MATERIAL
7	HEIGHT > 60"	(2)70-021466-00B	.094" THK EXTRUDED ALUM.
7A	HEIGHT ≤ 60"	(2)70-021468-00B	.080" THK EXTRUDED ALUM.
TABLE 2			
MULLION SUPPORT			
8	HEIGHT > 60"	(2)70-021466-00B	.094" THK EXTRUDED ALUM.
8A	HEIGHT ≤ 60"	(2)70-021468-00B	.080" THK EXTRUDED ALUM.



RECTANGLE LOUVER
N.T.S.
CHANNEL FRAME REF. SHEETS 02 THRU 05
UNIVERSAL SLEEVE REF. SHEETS 06 THRU 08

ABBREVIATIONS:

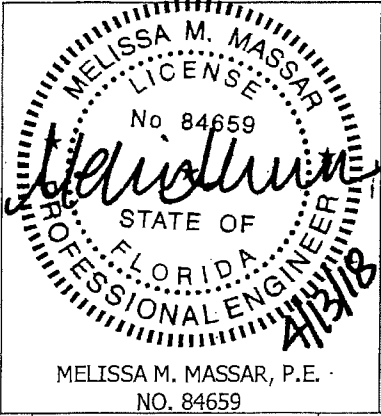
CONT. - CONTINUOUS
H.V.B.S.- HIDDEN VERTICAL BLADE SUPPORT
H.H.B.S.- HIDDEN HORIZONTAL BLADE SUPPORT
L.D. - LOUVER DIMENSION
MAX. - MAXIMUM
MIN. - MINIMUM
NOM. - NOMINAL
N.T.E.- NOT TO EXCEED
O/C - ON CENTER
OPP. - OPPOSITE
R.O. - ROUGH OPENING
SIM. - SIMILAR
S.S. - SHIP SECTION
S.S.D. - SHIP SECTION DIMENSION
TYP. - TYPICAL
U.N.C.- UNLESS NOTED OTHERWISE
DIM. - DIMENSION
FLG. - FLANGE
D - SUBSTRATE DEPTH
SUB. -SUBSTRATE

DRAWING INDEX:

SHEET 01 - NOTES, PARTS LIST & DRAWING INDEX
SHEET 02 - ASSEMBLY 'A' CHANNEL FRAME & DETAILS
SHEET 03 - ASSEMBLY 'A' CONNECTION DETAILS
SHEET 04 - ASSEMBLY 'A' ATTACHMENT DETAILS
SHEET 05 - ASSEMBLY 'A' ATTACHMENT DETAILS
SHEET 06 - ASSEMBLY 'B' UNIVERSAL SLEEVE & DETAILS
SHEET 07 - ASSEMBLY 'B' CONNECTION DETAILS
SHEET 08 - ASSEMBLY 'B' ATTACHMENT DETAILS
SHEET 09 - PARTS
SHEET 10 - PARTS
SHEET 11 - PARTS

NOTES:


- 1) THE ELF375DXD HAS BEEN TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY 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 +/- 130 PSF OR LESS. THIS LOUVER IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
- 3) THIS LOUVER IS TO BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER THAT PENETRATES INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/ WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
- 4) RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. SUBSTRATE REQUIREMENTS GIVEN IN TABLE 3 ON SHEET 11 ARE AS NEEDED FOR ANCHORAGE ONLY.
- 5) MAXIMUM SINGLE SECTION SIZE: 90" WIDE X 120" HIGH. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE BY SIDE
- 6) SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
- 7) ALL CMU BLOCK MUST BE GROUT FILLED. MIN. PRISM STRENGTH OF 1500 PSI AT TIME OF INSTALLATION. CMU BLOCKS MUST BE MN. TYPE 1, GRADE N, LIGHT, MEDIUM, OR NORMAL WEIGHT PER ASTM C90. GROUT AND MORTAR MUST COMPLY WITH FBC.
- 8) ALL WELDED ATTACHMENTS REQUIRE MIN. FILLER METAL OF 4043 ALUMINUM ALLOY WITH MIN. TENSILE STRENGTH OF 24 KSI.



MELISSA M. MASSAR, P.E.
NO. 84659

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0201.08**
Expiration Date **01/03/2023**
By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0909.02**
Expiration Date **01/03/2023**
By *[Signature]*
Miami-Dade Product Control

D	COMPLETE REVISION	CJD	SDL	MMM		3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
		PLOT SCALE				
		NONE		ECN: _____		
TITLE		ELF375DXD STANDARD INSTALLATION		REV. D SHEET 1 OF 11		
				DWG. NO. 60-021902-00D		

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: DJR
DATE: 3/15/06
CHK. BY: DLC
DATE: 5/26/06
APPV'D. BY: DLC
DATE: 5/26/06
APPV'D. BY: _____
DATE: _____
NOTES, PARTS LIST & ASSEMBLY VIEWS

REF DET. 10/05 FOR 466 MULLION CONNECTION
REF DET. 11/05 FOR 468 MULLION CONNECTION

REF DET. 12/05 FOR 466 H.V.B.S CONNECTION
REF DET. 13/05 FOR 468 H.V.B.S CONNECTION

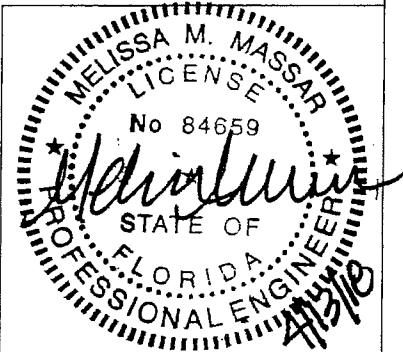
REF DET. 8/04 FOR STANDARD INSTALL
REF DET. 9/04 FOR ALT. INSTALL

SECTION B-B
N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0909.02

Expiration Date 01/03/2023

By *[Signature]*
Miami-Dade Product Control



MELISSA M. MASSAR, P.E.
NO. 84659

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 18-0201.08

Expiration Date 01/03/2023

By *[Signature]*
Miami-Dade Product Control

REF DET. 6/04 FOR 466 SUPPORT INSTALL
REF DET. 7/04 FOR 468 SUPPORT INSTALL

REF DET. 6/04 FOR 466 SUPPORT INSTALL (SIM.)
REF DET. 7/04 FOR 468 SUPPORT INSTALL (SIM.)

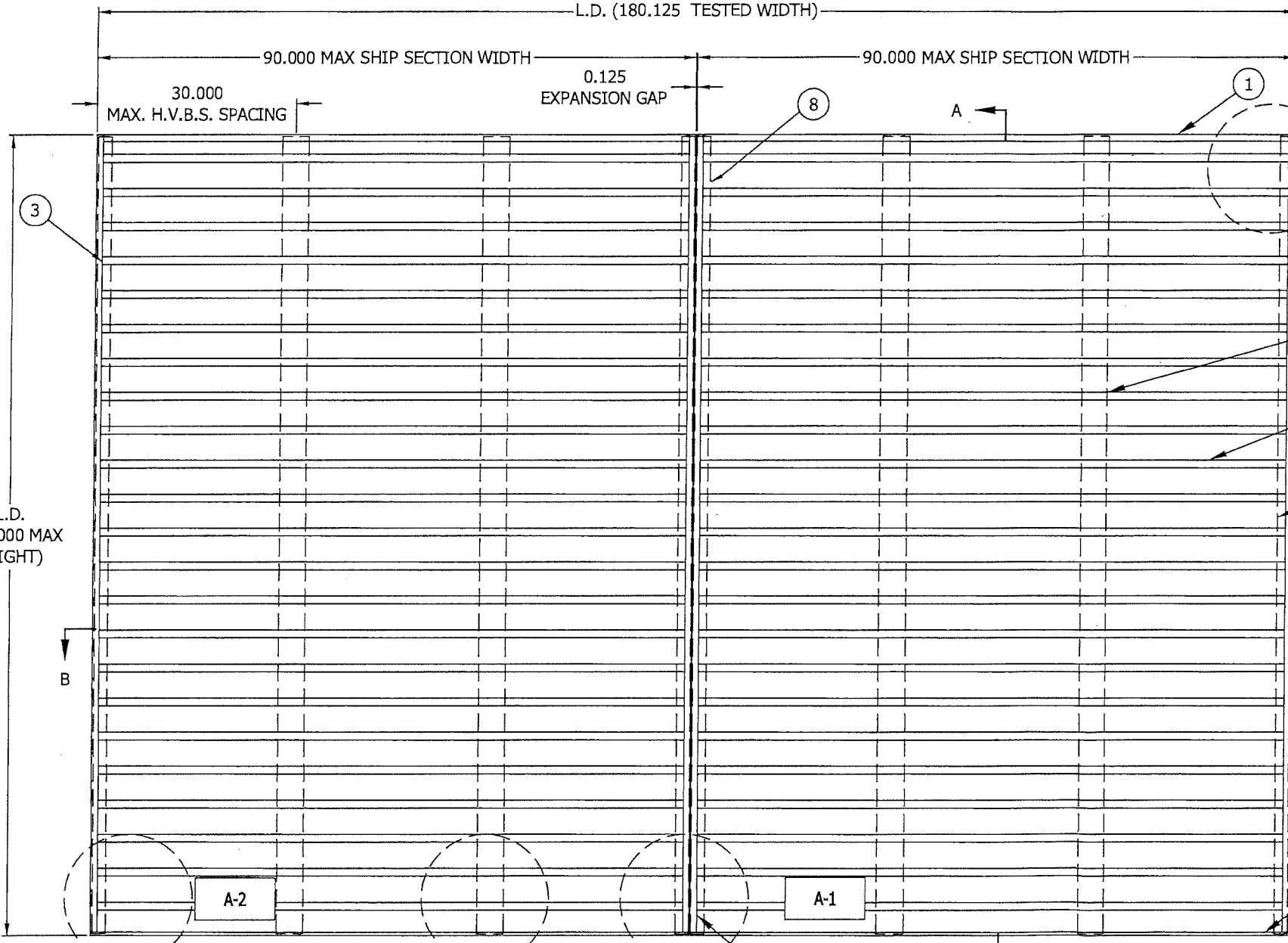
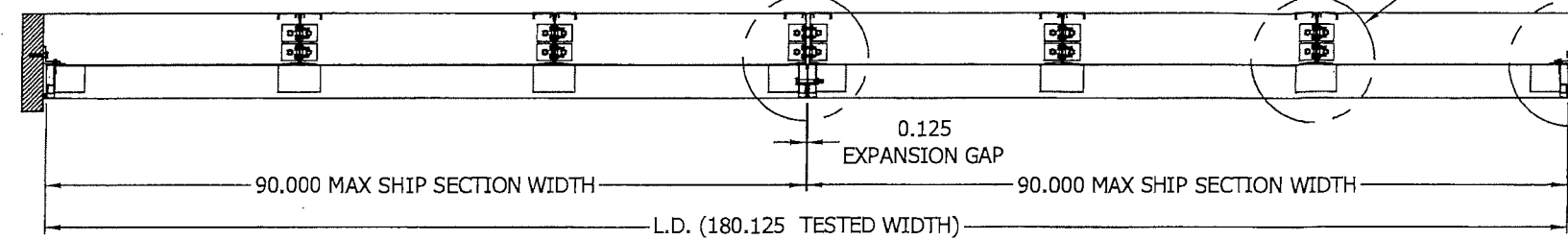
SECTION A-A
N.T.S.

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS ±1/16
ANGLE DIMENSIONS ±2°
USE W10-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: DJR DATE: 3/15/06	CHK. BY: DLC DATE: 5/26/06	APPV'D. BY: DLC DATE: 5/26/06	APPV'D. BY: _____ DATE: _____
----------------------------------	----------------------------------	-------------------------------------	-------------------------------------

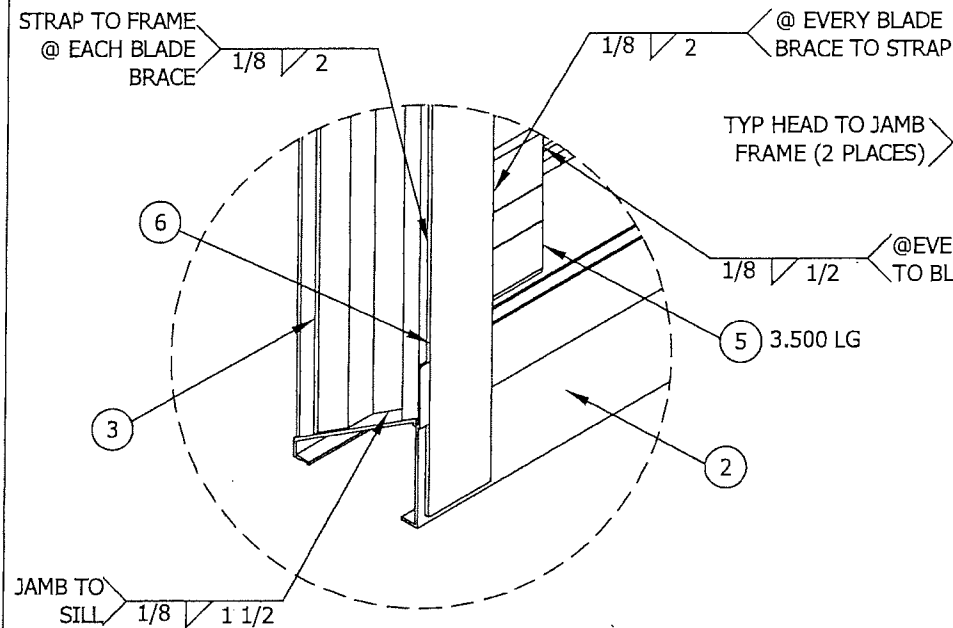
ASSEMBLY 'A' CHANNEL FRAME
& DETAILS

D	COMPLETE REVISION	CJD	SDL	MMM	3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN DATE
RUSKIN 3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE NONE		ECN: _____	
ELF375DXD STANDARD INSTALLATION		REV. D		SHEET 2 OF 11	
		DWG. NO.		60-021902-00D	

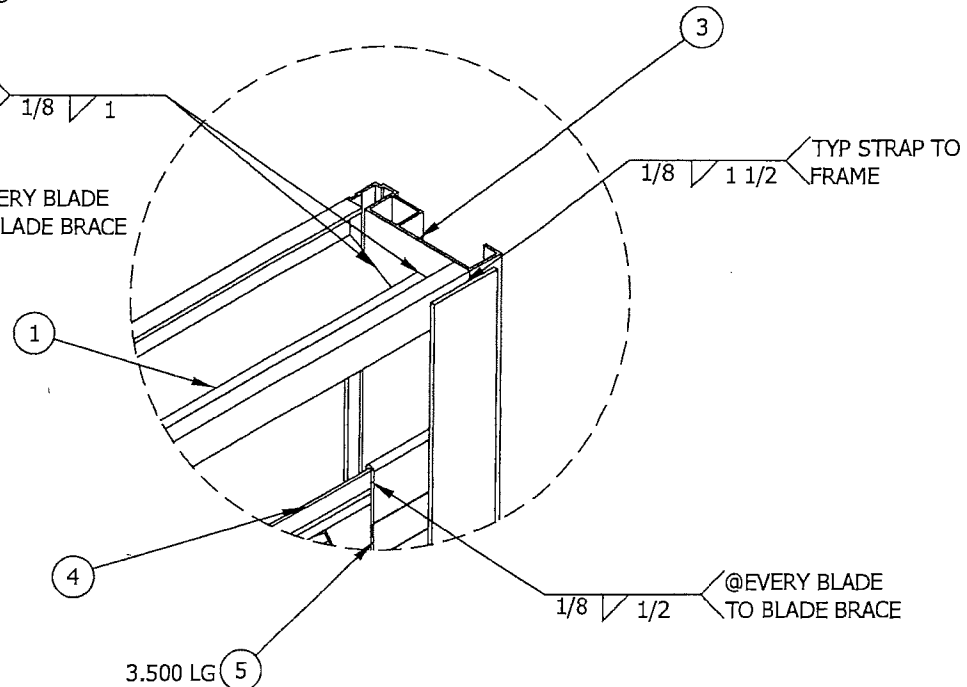


ASSEMBLY 'A' CHANNEL FRAME LOUVER
N.T.S.
MAX SHIP SECTION 90" X 120".

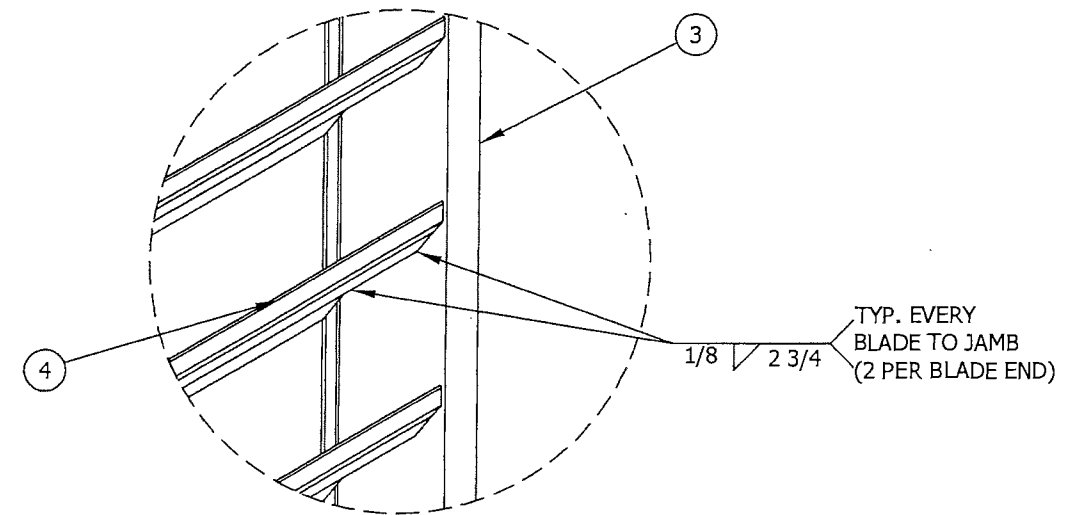
REAR VIEW



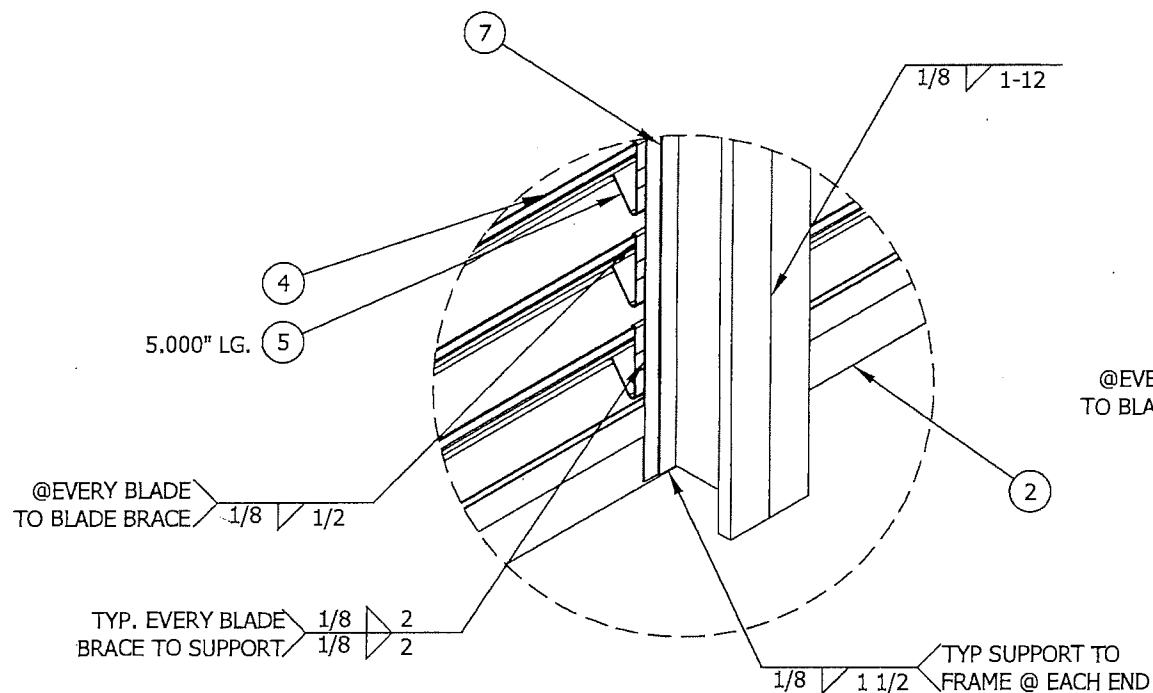
1 JAMB FRAME CONNECTION DETAIL
02,05 N.T.S. REAR VIEW



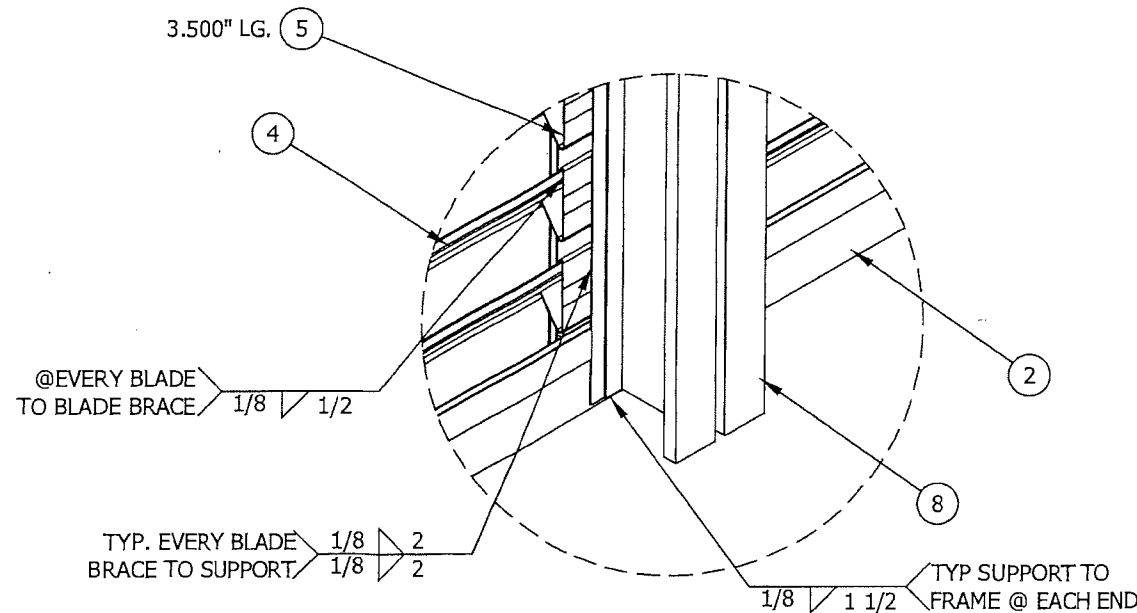
2 HEAD FRAME CONNECTION DETAIL
02 N.T.S. REAR VIEW



3 BLADE CONNECTION DETAIL
02 N.T.S. REAR VIEW
BLADE BRACE & STRAP NOT SHOWN FOR CLARITY



4 H.V.B.S. CONNECTION DETAIL
02 N.T.S. REAR VIEW



5 MULLION SUPPORT CONNECTION DETAIL
02 N.T.S. REAR VIEW

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS ±1/16
ANGLE DIMENSIONS ±2°
USE WIC-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: DJR DATE: 3/15/06	CHK. BY: DLC DATE: 5/25/06	APPV'D. BY: DLC DATE: 5/26/06	APPV'D. BY: [Signature] DATE:
----------------------------------	----------------------------------	-------------------------------------	-------------------------------------

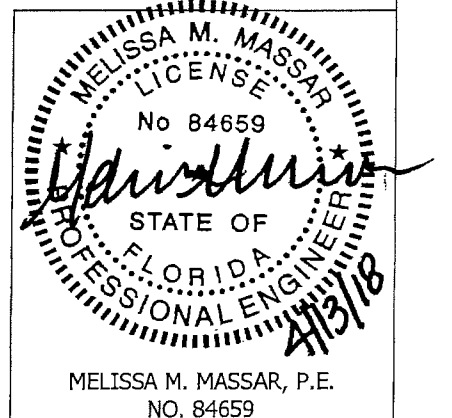
ASSEMBLY 'A' CONNECTION DETAILS
DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0909.02

Expiration Date 01/03/2023

By [Signature]
Miami-Dade Product Control

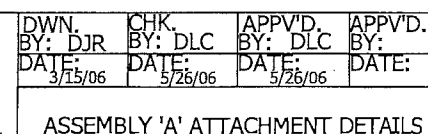
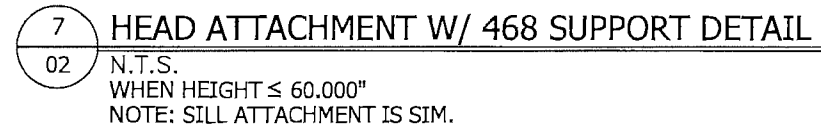
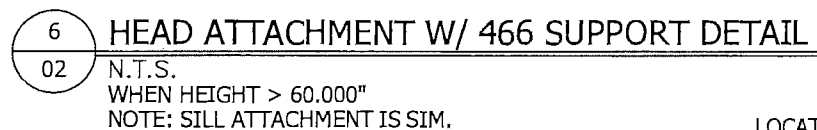
D	COMPLETE REVISION	CJD	SDL	MMM	3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN DATE
RUSKIN AUTHORITY IN AIR CONTROL		3900 DR. GREAVES RD GRANDVIEW, MO 64130		PLOT SCALE NONE	ECN:
ELF375DXD STANDARD INSTALLATION		REV. D		SHEET 3 OF 11	
		DWG. NO.		60-021902-00D	




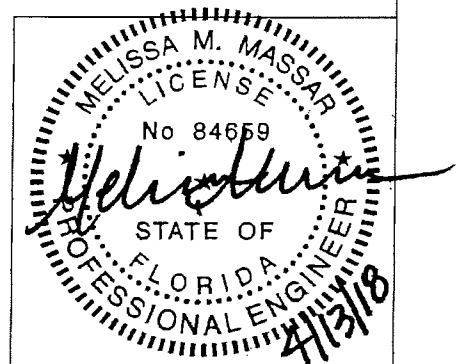
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 18-0201.08

Expiration Date 01/03/2023

By [Signature]
Miami-Dade Product Control



D	COMPLETE REVISION	CJD	SDL	MMM		3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
 3900 DR. GREAVES RD GRANDVIEW, MO 64030 AUTHORITY IN AIR CONTROL		PLOT SCALE				
		NONE		ECN: _____		
TITLE		REV. D		SHEET 4 OF 11		
ELF375DXD STANDARD INSTALLATION		DWG. NO. 60-021902-00D				



MELISSA M. MASSAR, P.E.
NO. 84659

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0201.08**

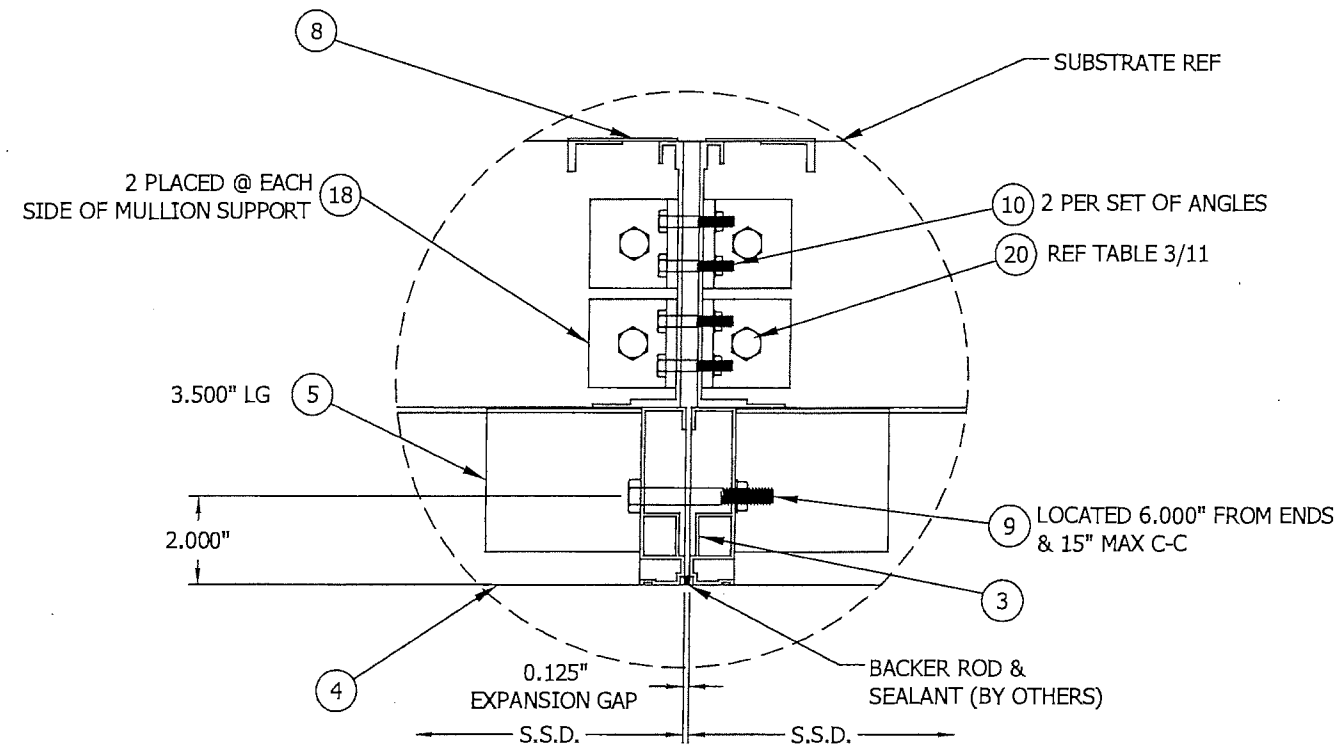
Expiration Date 01/03/2023

By [Signature]
Miami-Dade Product Control

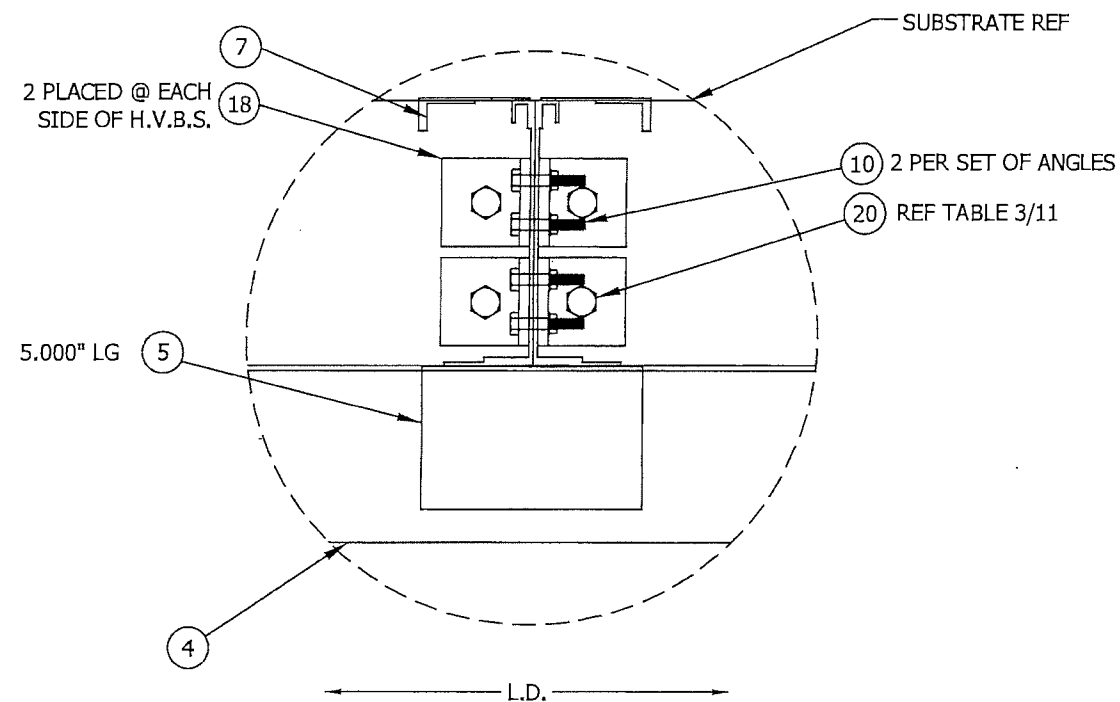
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0909.02

Expiration Date 01/03/2023

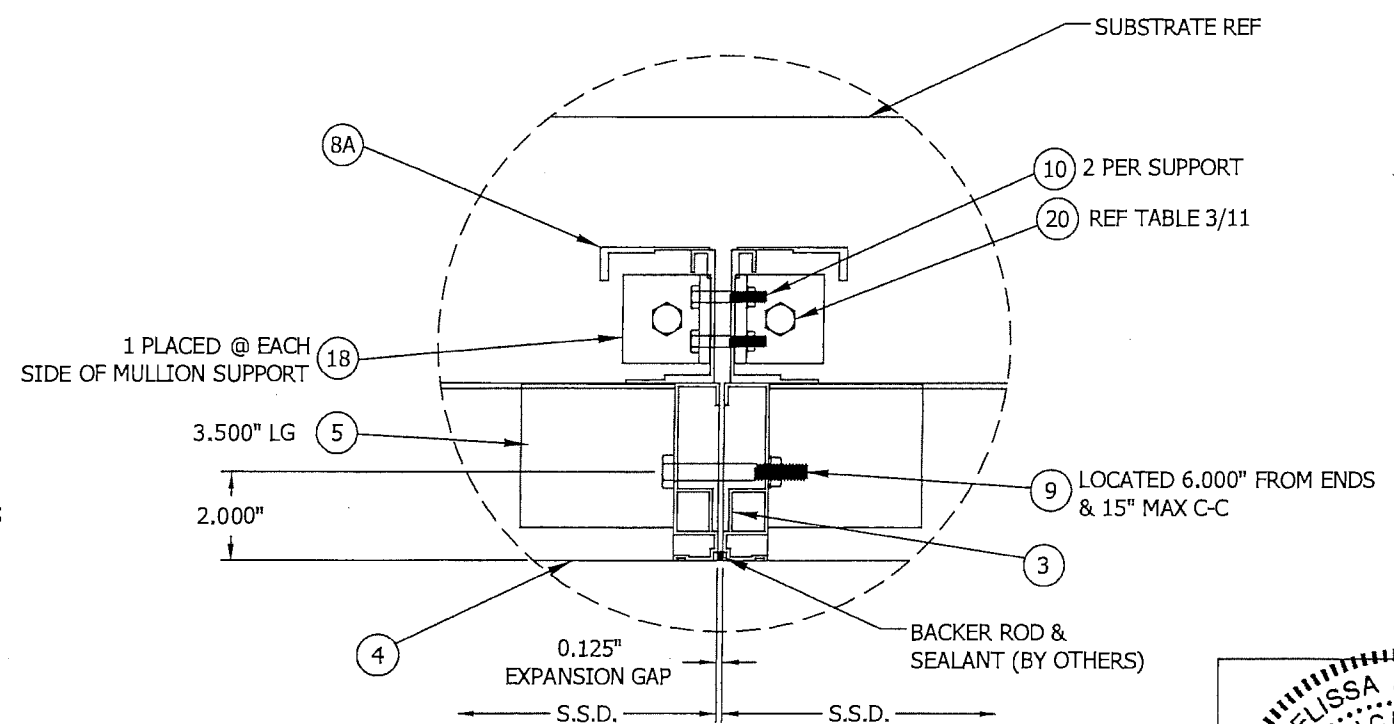
By 
Miami-Dade Product Control



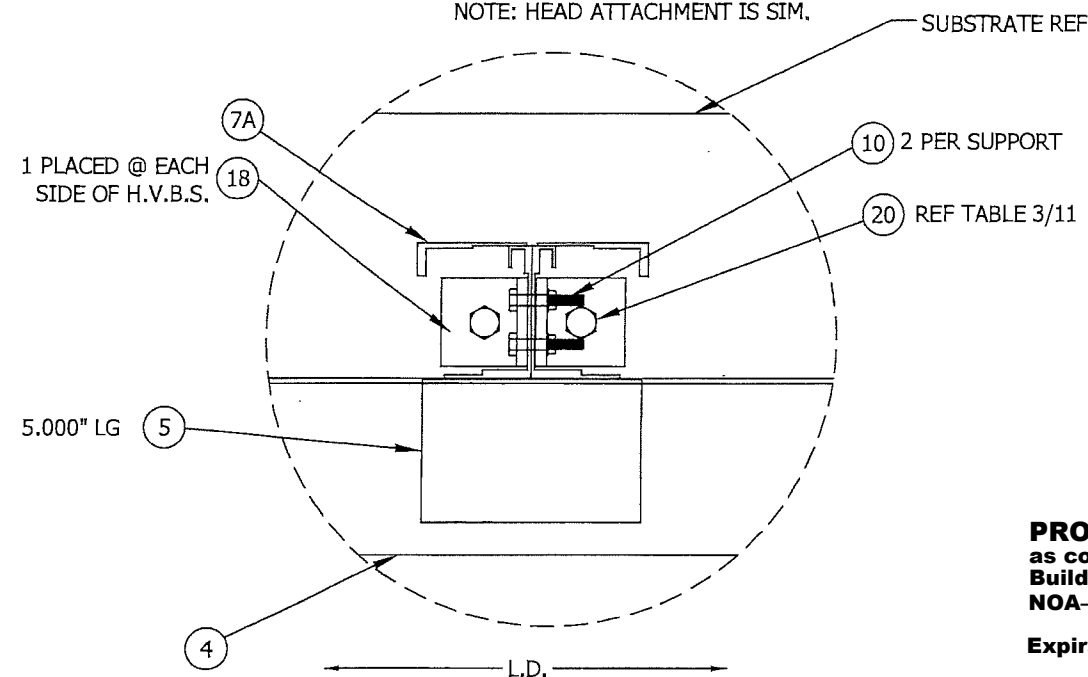
10 466 MULLION ATTACHMENT DETAIL
02 N.T.S.
WHEN HEIGHT > 60.000"
NOTE: HEAD ATTACHMENT IS SIM.



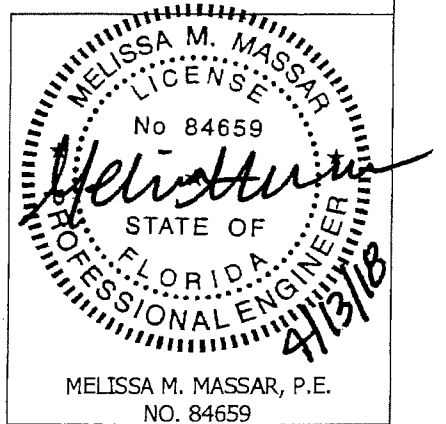
12 466 H.V.B.S. ATTACHMENT DETAIL
02 N.T.S.
WHEN HEIGHT > 60.000"
NOTE: HEAD ATTACHMENT IS SIM.



11 468 MULLION ATTACHMENT DETAIL
02 N.T.S.
WHEN HEIGHT ≤ 60.000"
NOTE: HEAD ATTACHMENT IS SIM.



13 468 H.V.B.S. ATTACHMENT DETAIL
02 N.T.S.
WHEN HEIGHT ≤ 60.000"
NOTE: HEAD ATTACHMENT IS SIM.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0201.08**
Expiration Date **01/03/2023**
By *[Signature]*
Miami-Dade Product Control

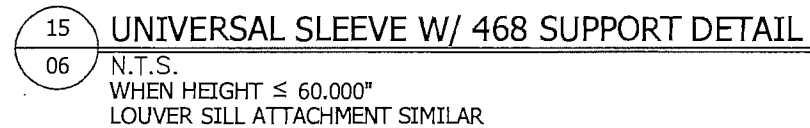
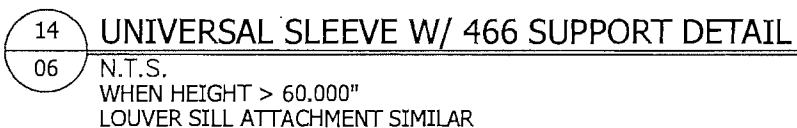
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0909.02**
Expiration Date **01/03/2023**
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS: ±2°
USE W10-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN.	CHK.	APPV'D.	APPV'D.
BY: DJR	BY: DLC	BY: DLC	BY:
DATE:	DATE:	DATE:	DATE:
3/15/06	5/26/06	5/26/06	

ASSEMBLY 'A' ATTACHMENT DETAILS

D	COMPLETE REVISION	CJD	SDL	MMM	3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN DATE
RUSKIN AUTHORITY IN AIR CONTROL		3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE NONE ECN: _____	
ELF375DXD STANDARD INSTALLATION		REV. D		SHEET 5 OF 11 DWG. NO. 60-021902-00D	




DWN. BY: DJR	CHK. BY: DLC	APPV'D. BY: DLC	APPV'D. BY:
DATE: 3/15/06	DATE: 5/26/06	DATE: 5/26/06	DATE:

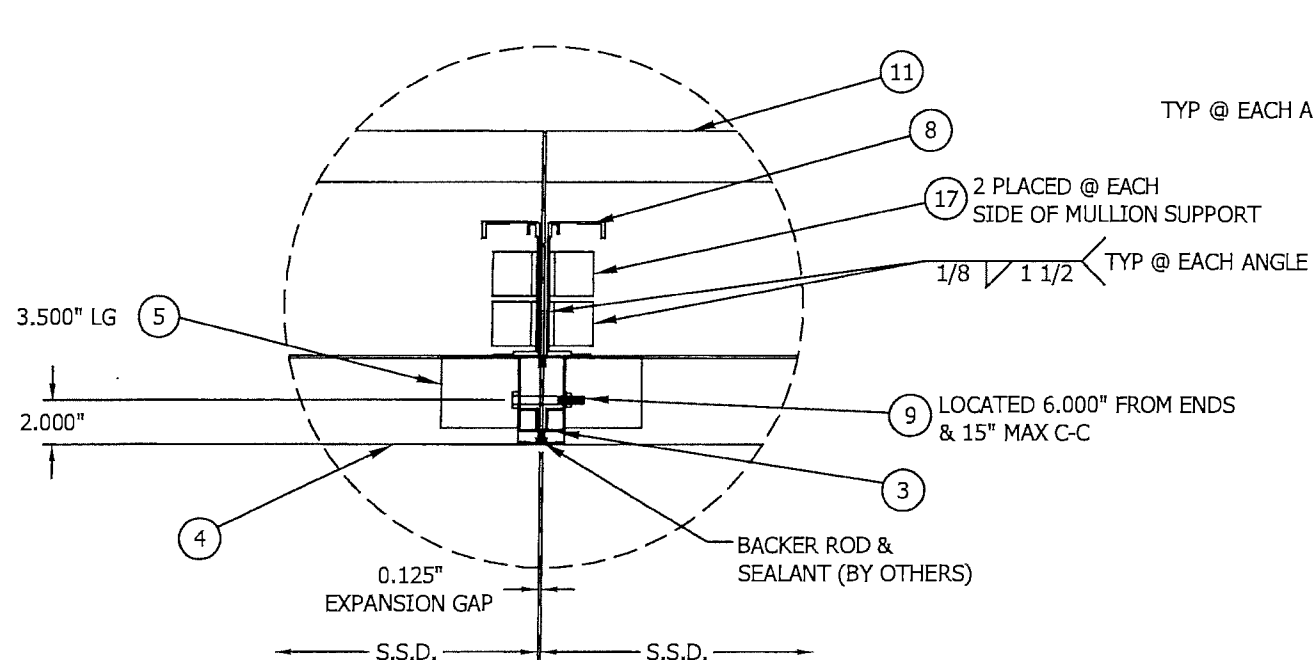
ASSEMBLY 'B' CONNECTION DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0909.02
Expiration Date 01/03/2023
By [Signature]
Miami-Dade Product Control

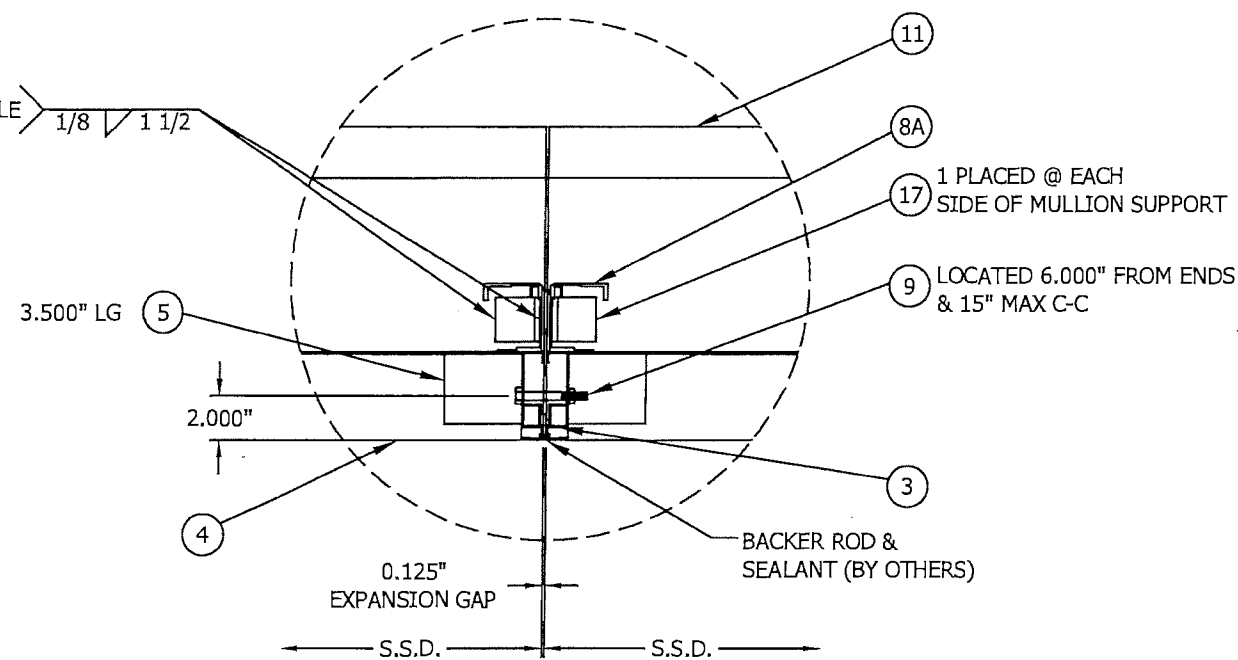


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 18-0201.08
Expiration Date 01/03/2023
By [Signature]
Miami-Dade Product Control

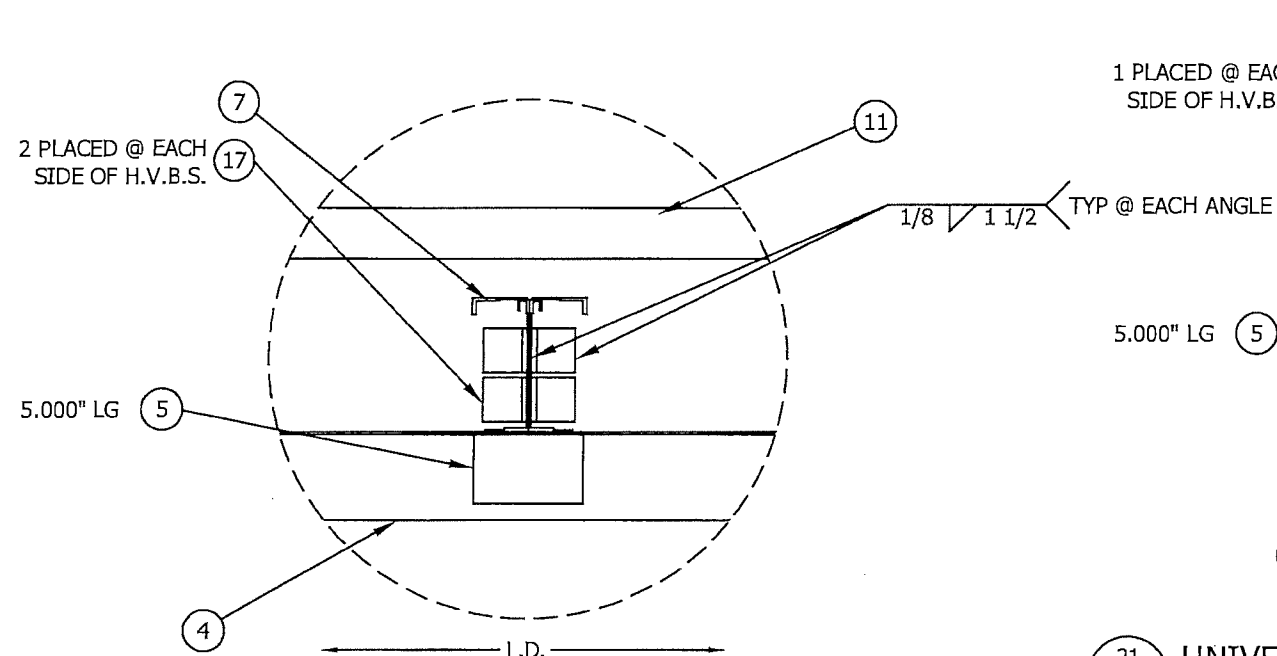
D		COMPLETE REVISION		CJD	SDL	MMM	3/2/18	
REV. LETTER		REVISION DESCRIPTION		DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
 RUSKIN 3900 DR. GREAVES RD GRANDVIEW, MO 64030 AUTHORITY IN AIR CONTROL				PLOT SCALE		ECN: _____		
				NONE				
TITLE				REV. D		SHEET 7 OF 11		
ELF375DXD STANDARD INSTALLATION				DWG. NO.		60-021902-00D		



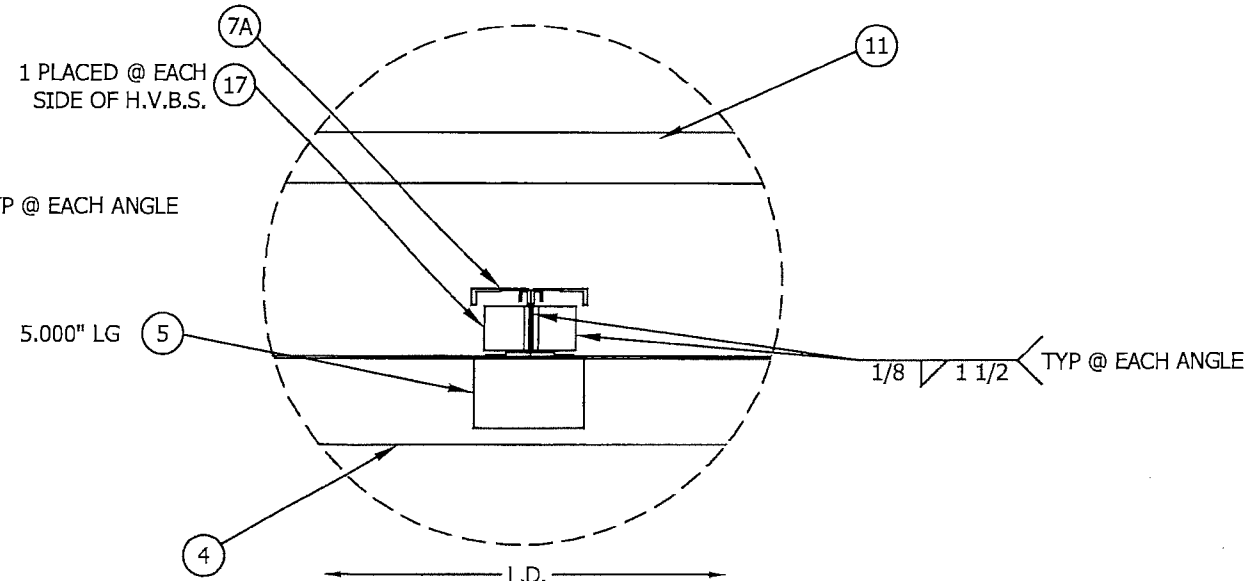
18 UNIVERSAL SLEEVE 466 MULLION ATTACHMENT DETAIL
06 N.T.S.
WHEN HEIGHT > 60.000"



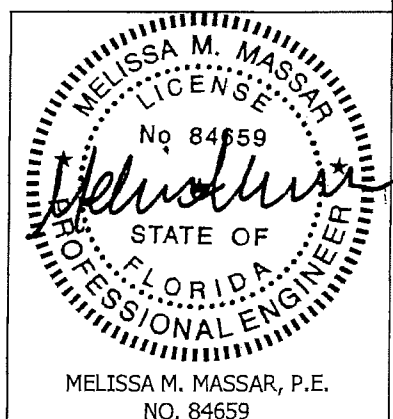
19 UNIVERSAL SLEEVE 468 MULLION ATTACHMENT DETAIL
06 N.T.S.
WHEN HEIGHT ≤ 60.000"



20 UNIVERSAL SLEEVE 466 HVBS ATTACHMENT DETAIL
06 N.T.S.
WHEN HEIGHT > 60.000"



21 UNIVERSAL SLEEVE 468 H.V.B.S. ATTACHMENT DETAIL
06 N.T.S.
WHEN HEIGHT ≤ 60.000"



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0201.08**
Expiration Date **01/03/2023**
By *[Signature]*
Miami-Dade Product Control

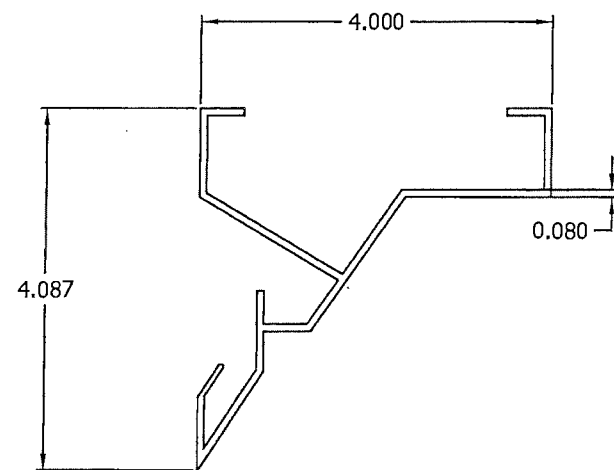
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0909.02**
Expiration Date **01/03/2023**
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: DJR	CHK. BY: DLC	APPV'D. BY: DLC	APPV'D. BY:
DATE: 3/15/06	DATE: 5/25/06	DATE: 5/26/06	DATE:

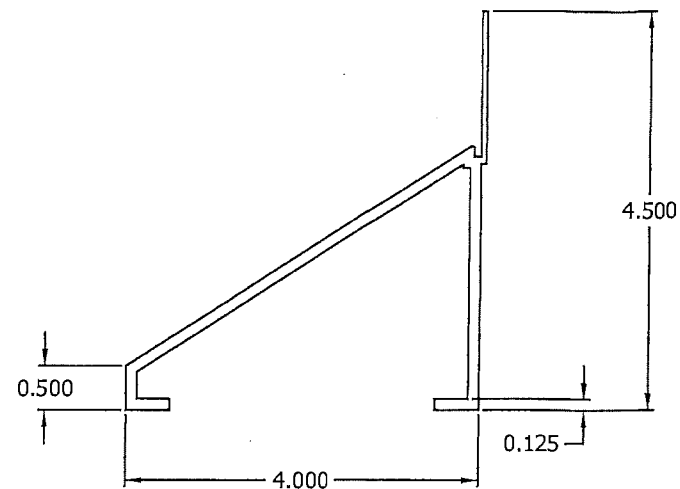
ASSEMBLY "B" ATTACHMENT DETAILS

D	COMPLETE REVISION	CJD	SDL	MMM	3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN DATE
RUSKIN 3900 DR. GREAVES RD GRANDVIEW, MO 64030 AUTHORITY IN AIR CONTROL		PLOT SCALE		ECN: _____	
TITLE		REV. D		SHEET 8 OF 11	
ELF375DXD STANDARD INSTALLATION		DWG. NO.		60-021902-00D	



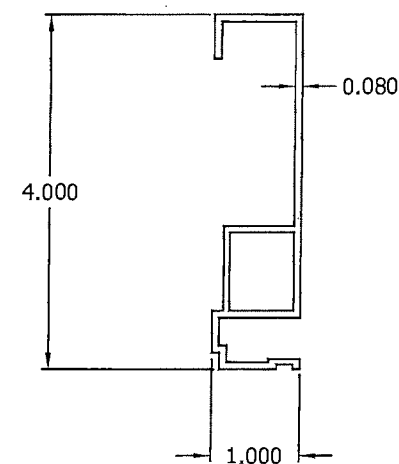
ITEM 1 LOUVER HEAD FRAME

N.T.S.
RUSKIN PART# : 70-020574-00B



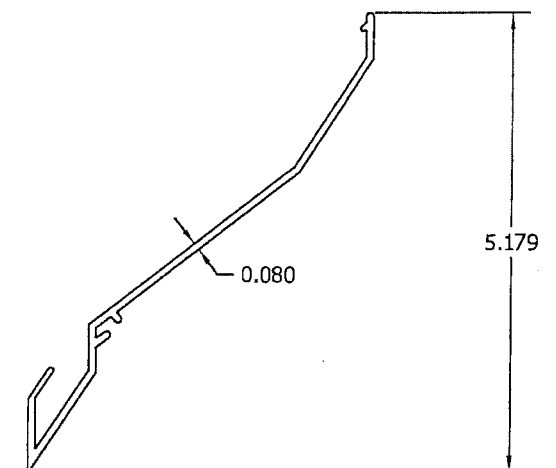
ITEM 2 LOUVER SILL FRAME

N.T.S.
RUSKIN PART# : 70-020695-00B



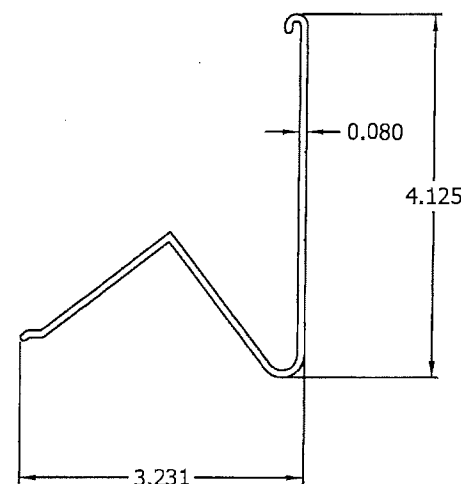
ITEM 3 LOUVER JAMB FRAME

N.T.S.
RUSKIN PART# : 70-020374-00B



ITEM 4 LOUVER BLADE

N.T.S.
RUSKIN PART# : 70-0201524-00B



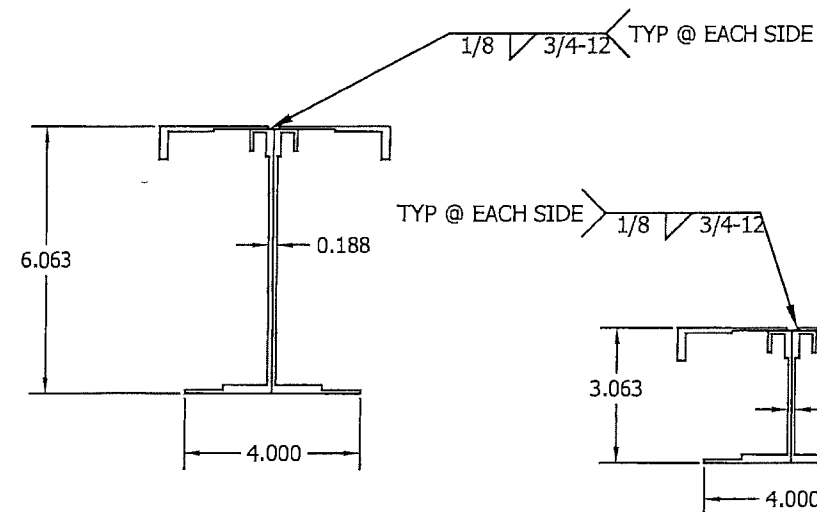
ITEM 5 BLADE BRACE

N.T.S.
RUSKIN PART# : 70-021526-00B



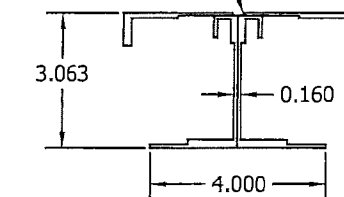
ITEM 6 STRAP

N.T.S.
RUSKIN PART# : 85-021658-00B



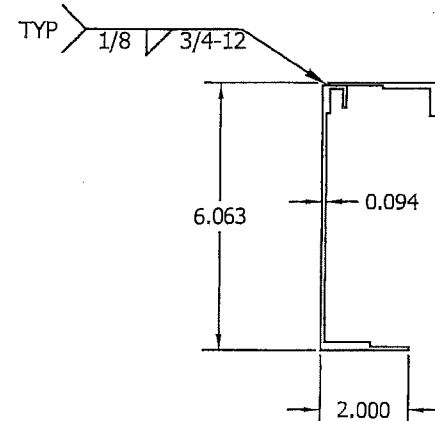
ITEM 7 H.V.B.S. (2) 466

N.T.S.
RUSKIN PART# : 70-021466-00B



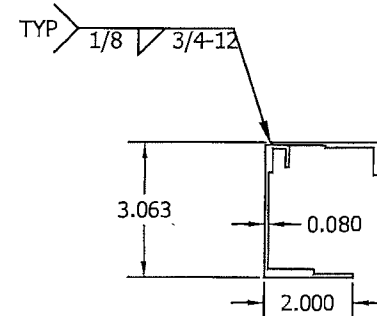
ITEM 7A H.V.B.S. (2) 468

N.T.S.
RUSKIN PART# : 70-021468-00B



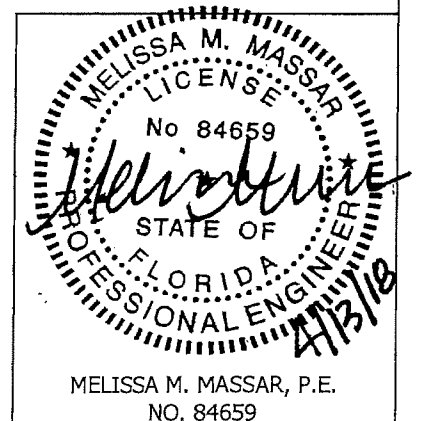
ITEM 8 MULLION SUPPORT (466)

N.T.S.
RUSKIN PART# : 70-021466-00B



ITEM 8A MULLION SUPPORT (468)

N.T.S.
RUSKIN PART# : 70-021468-00B



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0201.08**

Expiration Date **01/03/2023**

By **Miami-Dade Product Control**

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0909.02**

Expiration Date **01/03/2023**

By **Miami-Dade Product Control**

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: DJR	CHK. BY: DLC	APPV'D. BY: DLC	APPV'D. BY: DLC
DATE: 3/15/06	DATE: 5/26/06	DATE: 5/26/06	DATE: 5/26/06

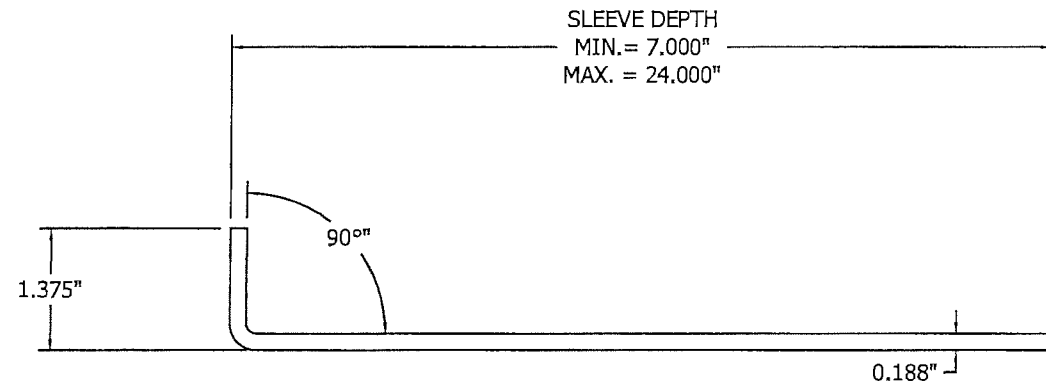
PARTS

RUSKIN
3900 DR. GREAVES RD
GRANDVIEW, MO 64030

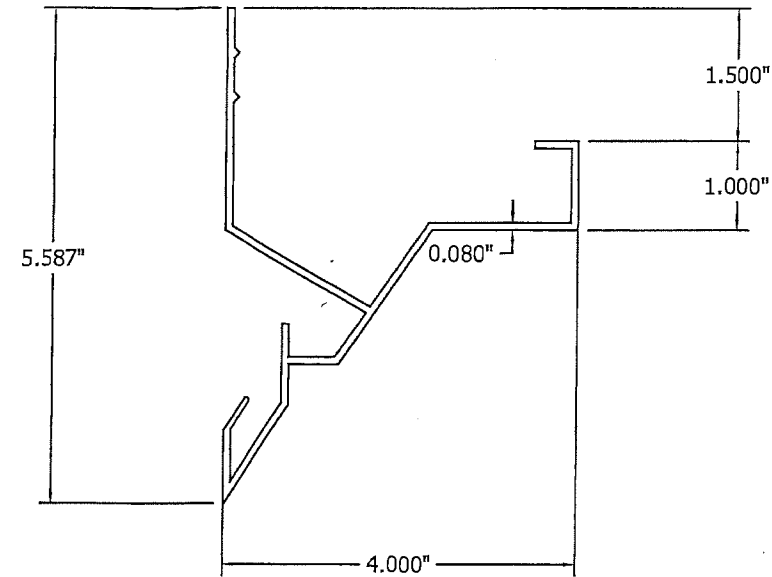
TITLE
ELF375DXD STANDARD
INSTALLATION

D	COMPLETE REVISION	CJD	SDL	MMM	3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN DATE

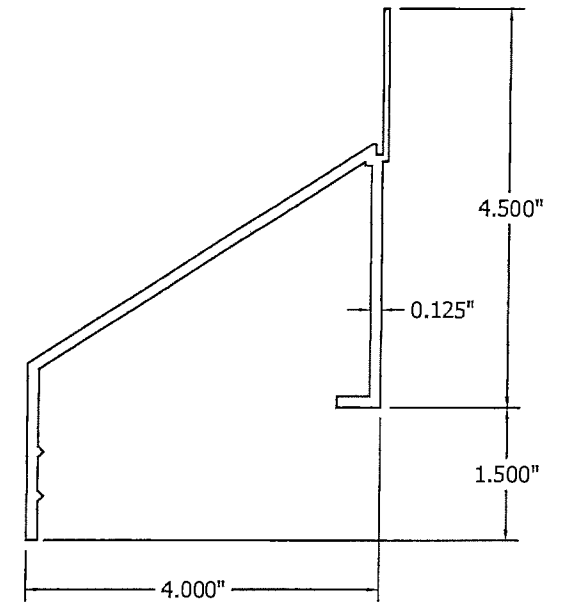
PLOT SCALE	ECN:
NONE	
REV. D	SHEET 9 OF 11
DWG. NO.	60-021902-00D



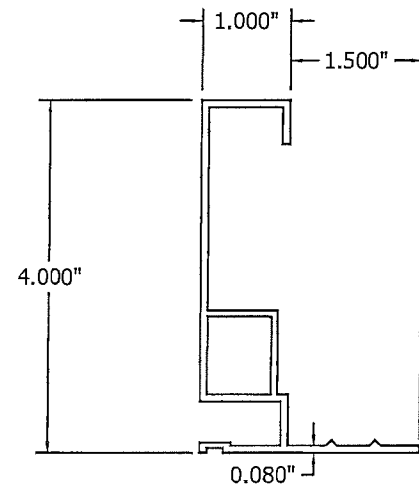
ITEM 11 FRONT FLANGE UNIVERSAL SLEEVE
N.T.S.



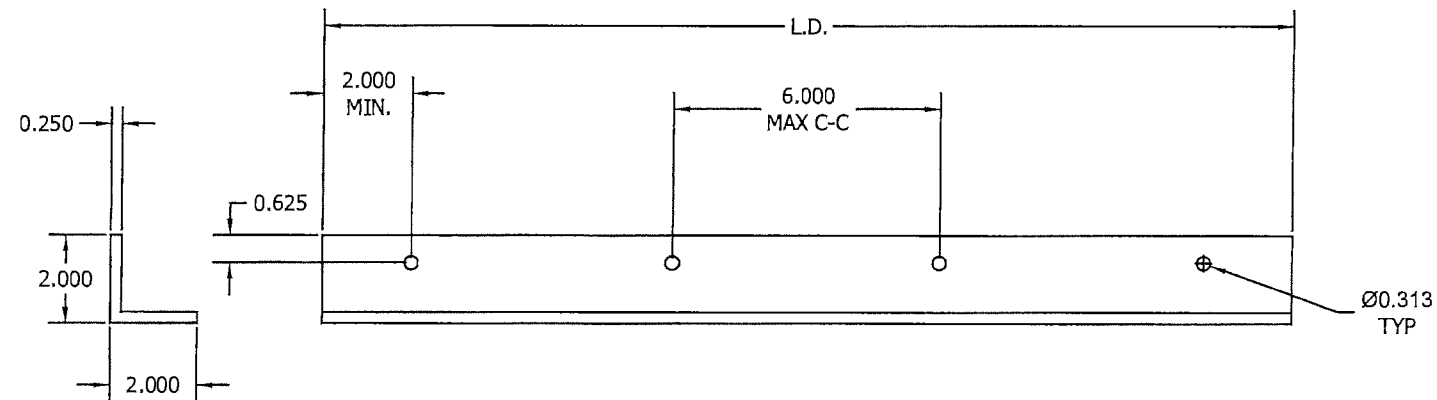
ITEM 12 LOUVER HEAD FRAME W/ INTEGRAL FLANGE
N.T.S.
RUSKIN PART# : 70-020641-00B
OPTIONAL



ITEM 13 LOUVER SILL FRAME W/ INTEGRAL FLANGE
N.T.S.
RUSKIN PART# : 70-020836-00B
OPTIONAL

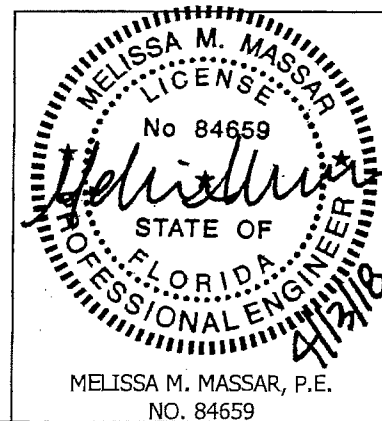


ITEM 14 LOUVER JAMB FRAME W/ INTEGRAL FLANGE
N.T.S.
RUSKIN PART# : 70-020404-00B
OPTIONAL



ITEM 15 CONT. RETAINING ANGLE
N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0909.02
Expiration Date 01/03/2023
By *[Signature]*
Miami-Dade Product Control



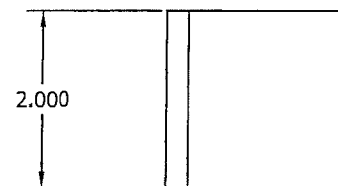
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 18-0201.08
Expiration Date 01/03/2023
By *[Signature]*
Miami-Dade Product Control


TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS: ±2°
USE VWQ-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: DJR	CHK. BY: DLC	APPV'D. BY: DLC	APPV'D. BY:
DATE: 3/15/06	DATE: 5/26/06	DATE: 5/26/06	DATE:

PARTS

D	COMPLETE REVISION	CJD	SDL	MMM	3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN DATE
RUSKIN AUTHORITY IN AIR CONTROL		3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE NONE	
TITLE ELF375DXD STANDARD INSTALLATION		REV. D		SHEET 10 OF 11	
		DWG. NO.		60-021902-00D	



D	COMPLETE REVISION	CJD	SDL	MMM		3/2/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APP'V'D. BY:	ECN	DATE
 RUSKIN <small>AUTHORITY IN AIR CONTROL</small>		3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE		
		NONE		ECN: _____		
TITLE		REV. D		SHEET 11 OF 11		
ELF375DXD STANDARD INSTALLATION		DWG. NO. 60-021902-00D				