

PELLA CORPORATION

SERIES 250 VINYL WINDOW MULLION SYSTEM

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED AND IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES. THIS PRODUCT EVALUATION DOCUMENT IS NOT FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ). THIS PRODUCT WAS TESTED IN ACCORDANCE WITH THE FOLLOWING:

1.1. AAMA 450-10

1.2. ASTM E283-04

1.3. ASTM E330-02

1.4. ASTM E547-00
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
4. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THIS PRODUCT SHALL REQUIRE AN IMPACT PROTECTIVE DEVICE.
5. SEPARATE PRODUCT EVALUATION DOCUMENTS (PED) FOR EACH GLAZING PRODUCT USED IN CONJUNCTION WITH THESE MULLIONS MUST BE SUBMITTED ALONG WITH THIS PRODUCT EVALUATION DOCUMENT.
6. THE INSTALLATION DETAILS DESCRIBED IN THIS PRODUCT EVALUATION DOCUMENT ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED IN THIS PRODUCT EVALUATION DOCUMENT, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED FOR USE WITH THIS DOCUMENT BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT
7. FOR MULLION DESIGN PRESSURE RATINGS SEE APPROPRIATE LOAD SPAN RATING TABLES AS LISTED IN THE TABLE OF CONTENTS.
8. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE THE LESSER OF THE LOAD CAPACITY OF THE MULLION AS DETERMINED USING THIS PRODUCT EVALUATION DOCUMENT OR THE CERTIFIED DESIGN PRESSURE RATING OF THE INDIVIDUAL GLAZING PRODUCTS USED.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES.
10. THE SERIES 250 MULLION SHOWN IN THIS PRODUCT APPROVAL DOCUMENT HAS BEEN EVALUATED FOR USE WITH THE FOLLOWING PELLA SERIES 250 VINYL WINDOWS IN ACCORDANCE WITH AAMA 450-10, OPTION NO. 1 AND SECTION 6.0.

10.1. SERIES 250 FIXED WINDOW

10.2. SERIES 250 SINGLE HUNG WINDOW

10.3. SERIES 250 DOUBLE HUNG WINDOW

10.4. SERIES 250 CASEMENT WINDOW

PRODUCT APPROVAL DOCUMENT USAGE :

1. THIS DOCUMENT PROVIDES THE FOLLOWING.

1.1. LOAD CAPACITY TABLES BASED ON LOAD WIDTH VS. MULLION SPAN FOR 1/2" AND 1" MULLION.

1.2. INSTALLATION REQUIREMENTS FOR THE 1/2" AND 1" MULLION.
2. THE USER SHALL DETERMINE WHICH SIZE MULLION AND IN THE CASE OF THE 1" MULLION IF REINFORCEMENT IS NEEDED FOR THE WINDOW CONFIGURATION (SEE SHEET 2) THEY INTEND ON MULLING.

2.1. THIS WILL BE DETERMINED BASED ON THE SIZE OF THE PRODUCT TO BE MULLED AND THE DESIGN PRESSURE REQUIRED FOR THE MULLED ASSEMBLY.
3. INSTALLATION OF THE MULLION AND MULLED WINDOWS SHALL BE AS FOLLOWS.

3.1. SERIES 250 1/2" AND 1" MULLIONS ARE INSTALLED AS FOLLOWS.

3.1.1. PER THIS PRODUCT APPROVAL DOCUMENT.

3.1.2. PELLA SERIES 250 MULLION ASSEMBLY DRAWING NO. DES-V985287-DFT.

3.1. SERIES 250 VINYL WINDOW ARE INSTALLED IN ACCORDANCE WITH THE INDIVIDUAL PRODUCT APPROVAL DOCUMENTS.

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8	1" MULLION WITH ONE REINFORCEMENT - LOAD TABLE 3
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INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE *INSTALLATION ANCHOR SCHEDULE* FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.

2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.

2.2. SEE SHEET 2 FOR ILLUSTRATION OF ANCHOR EDGE DISTANCE AND SPACING.

2.3. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. 1/2" AND 1" MULLIONS ARE APPROVED WITH THIS DOCUMENT (SEE SHEET 2).

3.1. FOR INSTALLATION OF THE 1/2" MULLION SYSTEM SEE THE FOLLOWING.

3.1.1. SHEETS 4 THROUGH 6 OF THIS PRODUCT APPROVAL DOCUMENT.

3.1.2. PELLA SERIES 250 MULLION ASSEMBLY DRAWING NO. DES-V985287-DFT.

3.1. FOR INSTALLATION OF THE 1" MULLION SYSTEM SEE THE FOLLOWING.

3.1.1. SHEETS 7 THROUGH 14 OF THIS PRODUCT APPROVAL DOCUMENT.

3.1.2. PELLA SERIES 250 MULLION ASSEMBLY DRAWING NO. DES-V985287-DFT.

PROJECT # 420-0804				RA	BY
			9/11/20		DATE
		UPDATED TO 7TH EDITION (2020) FBC	C	REV	DESCRIPTION

PELLA CORPORATION

102 MAIN STREET

PELLA, IA 50219

TITLE:

SERIES 250 VINYL WINDOW MULLION SYSTEM

GENERAL & INSTALLATION NOTES / PED USAGE

PREPARED BY:

DATE:

3/5/18

DRAWING NO:

PELL00039

SHEET:

1 OF 14

DRAWN BY:

RJA

SCALE:

N.T.S.

REV:

A

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775

LONGWOOD, FLORIDA 32752

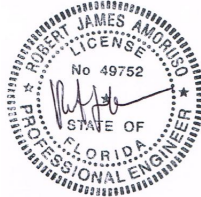
FPE CA NO. 23585

Phone: 321.690.1788

Fax: 321.690.1789

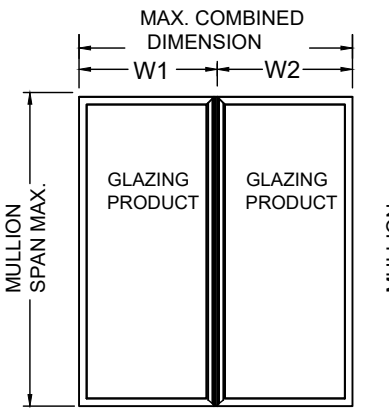
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

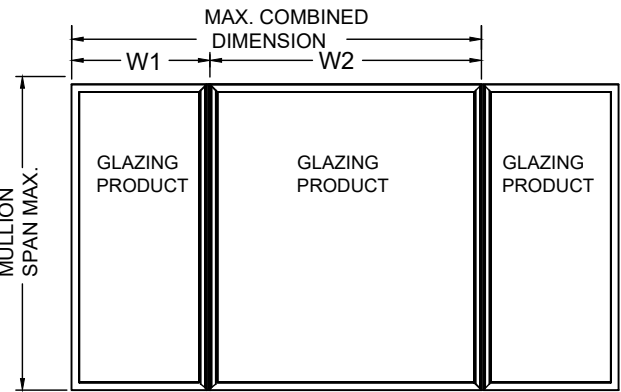


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Date: 2020.09.11 15:46:25 -04'00'

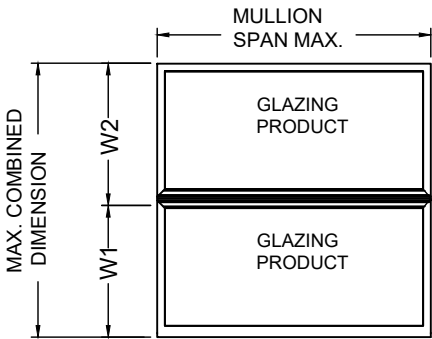
APPROVED MULLED WINDOW CONFIGURATIONS



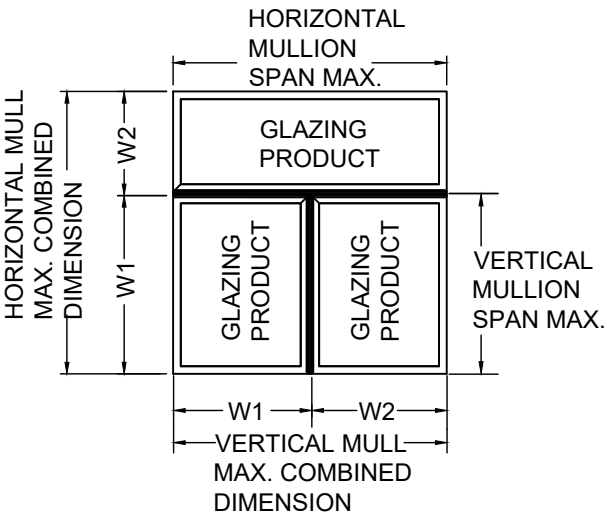
2-WAY VERTICAL MULLION CONFIGURATION



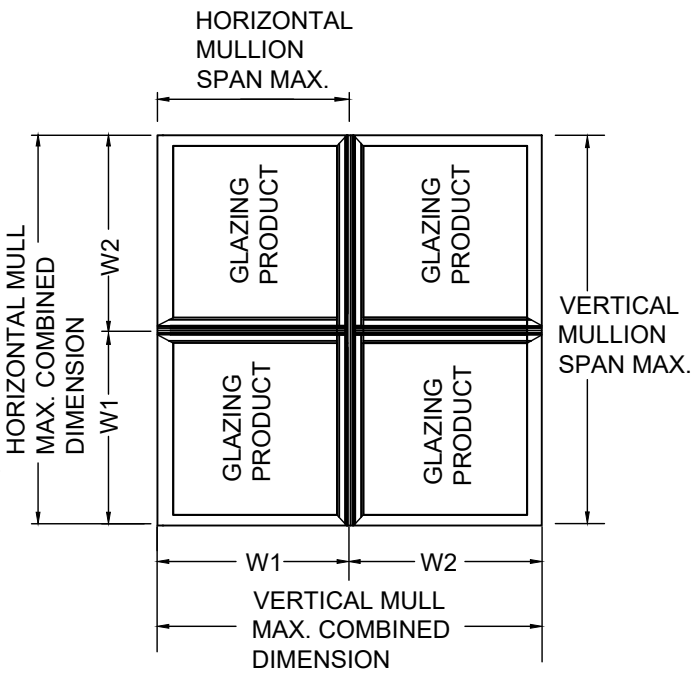
2-WAY VERTICAL MULLION CONFIGURATION



2-WAY HORIZONTAL MULLION CONFIGURATION

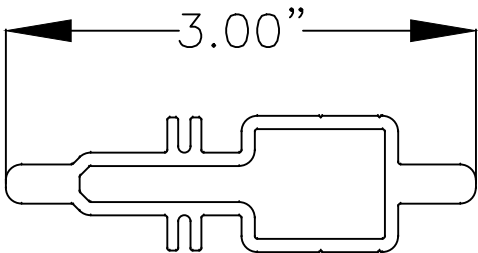


3-WAY MULLION CONFIGURATION (HORIZONTAL MULLION IS CONTINUOUS - VERTICAL MULLION FRAMES INTO HORIZONTAL MULLION WHERE IT IS UNCLIPPED.)

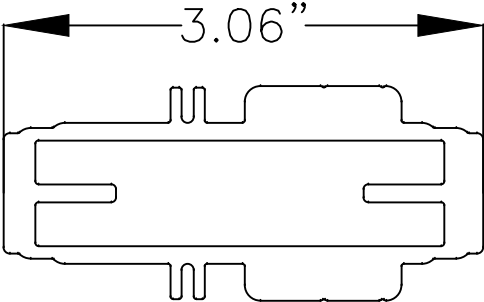


4-WAY MULLION CONFIGURATION (VERTICAL MULLION IS CONTINUOUS. HORIZONTAL MULLIONS ARE DISCONTINUOUS AND FRAME INTO VERTICAL MULLION WHERE THEY ARE UNCLIPPED.)

APPROVED MULLIONS



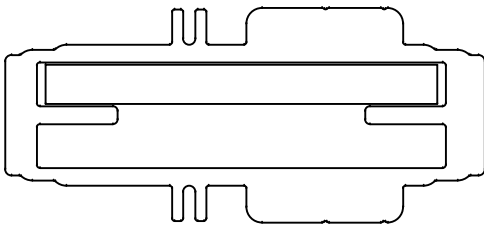
1/2" ALUMINUM MULLION EXTRUSION DWG. NO. V985276



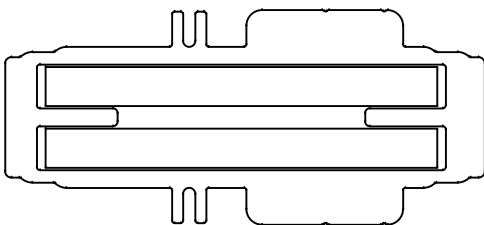
1" ALUMINUM MULLION EXTRUSION DWG. NO. DES-000023418



1" ALUMINUM MULLION REINFORCEMENT DWG. NO. DES-000023421



1" ALUMINUM MULLION EXTRUSION WITH ONE REINFORCEMENT

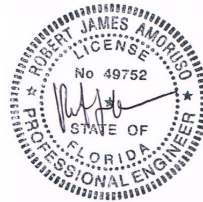


1" ALUMINUM MULLION EXTRUSION WITH TWO REINFORCEMENTS

PROJECT # 420-0804					
				RA	BY
				9/11/20	DATE
				UPDATED TO 7TH EDITION (2020) FBC	DESCRIPTION
				C	REV

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		DATE: 3/5/18		DRAWING NO: PELL00039	
SERIES 250 VINYL WINDOW MULLION SYSTEM APPROVED MULLED WINDOW CONFIGURATIONS AND MULLIONS		SCALE: N.T.S.		SHEET: 2 OF 14	
PREPARED BY: RJA		REV: A		PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com	

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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1/2" ALUMINUM MULLION - MULL SPAN vs. LOAD WIDTH CAPACITY TABLES

MULLION TABLE 1																						
(1/2 INCH ALUMINUM MULLION)																						
MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)
30	24	50		48	24	50		60	24	50		72	24	50		80	24	38		108	24	15
30	30	50		48	30	50		60	30	50		72	30	42		80	30	30		108	30	-
30	36	50		48	36	50		60	36	50		72	36	35		80	36	25		108	36	-
30	42	50		48	42	50		60	42	50		72	42	30		80	42	22		108	42	-
30	48	50		48	48	50		60	48	45		72	48	26		80	48	19		108	48	-
30	54	50		48	54	50		60	54	40		72	54	23		80	54	17		108	54	-
30	60	50		48	60	50		60	60	36		72	60	21		80	60	15		108	60	-
30	66	50		48	66	50		60	66	33		72	66	19		80	66	-		108	66	-
30	72	50		48	72	50		60	72	30		72	72	17		80	72	-		108	72	-
30	78	50		48	78	50		60	78	28		72	78	16		80	78	-		108	78	-
30	84	50		48	84	50		60	84	26		72	84	-		80	84	-		108	84	-
30	90	50		48	90	47		60	90	24		72	90	-		80	90	-		108	90	-
30	96	50		48	96	44		60	96	23		72	96	-		80	96	-		108	96	-
30	108	50		48	108	39		60	108	20		72	108	-		80	108	-		108	108	-

36	24	50		53	24	50		66	24	50		78	24	41		96	24	22		
36	30	50		53	30	50		66	30	50		78	30	33		96	30	18		
36	36	50		53	36	50		66	36	45		78	36	27		96	36	-		
36	42	50		53	42	50		66	42	39		78	42	24		96	42	-		
36	48	50		53	48	50		66	48	34		78	48	21		96	48	-		
36	54	50		53	54	50		66	54	30		78	54	18		96	54	-		
36	60	50		53	60	50		66	60	27		78	60	16		96	60	-		
36	66	50		53	66	48		66	66	25		78	66	-		96	66	-		
36	72	50		53	72	44		66	72	23		78	72	-		96	72	-		
36	78	50		53	78	40		66	78	21		78	78	-		96	78	-		
36	84	50		53	84	37		66	84	19		78	84	-		96	84	-		
36	90	50		53	90	35		66	90	18		78	90	-		96	90	-		
36	96	50		53	96	33		66	96	17		78	96	-		96	96	-		
36	108	50		53	108	29		66	108	15		78	108	-		96	108	-		

INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE:

1. DETERMINE THE WINDLOAD REQUIREMENT (D.P. PSF) FOR THE PARTICULAR OPENING.
2. FOR THE PARTICULAR OPENING (SEE SHEET 2 FOR APPROVED MULLION CONFIGURATIONS), DETERMINE THE TRIBUTARY WIDTH AND MULLION SPAN. REFERENCE THE SKETCHES ON THIS SHEET FOR MULLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN IN THE TABLE, LOCATE MULLION SPAN. IN SECOND COLUMN OF THE TABLE , LOCATE THE TRIBUTARY WIDTH. IN THE THIRD COLUMN CORRESPONDING TO THE DESIRED MULLION SPAN vs. LOAD WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DEFINED IN STEP 1 ABOVE.
4. UNITS:

4.1. DESIGN PRESSURE IN PSF.

4.2. MULL SPAN AND LOAD WIDTH IS IN INCHES.

TABLE NOTES:

1. FOR INSTALLATION DETAILS, SEE SHEETS 4 & 5 FOR DETAIL.
2. IN ORDER TO SIMPLIFY TABLES, TABLE PRESSURES ARE LIMITED TO 50 PSF. USE OF THESE MULLIONS FOR PRESSURES HIGHER THAN 50 PSF SHALL BE REVIEWED UNDER SEPARATE ENGINEERING EVALUATION.
3. THESE LOAD TABLES ARE CERTIFIED AS CORRECT IN CONTENT. HOWEVER, CHOOSING OF THE CORRECT MULLION & CONNECTION FROM THESE TABLES FOR ITS SPECIFIC USE IS THE RESPONSIBILITY OF THOSE USING THE TABLES AND SHOULD BE VERIFIED BY THE BUILDING OFFICIAL OR A FLORIDA LICENSED ENGINEER.
4. ALL LOADS IN THESE TABLES RESTRICT MULLION DEFLECTION TO L/175 PER THE FLORIDA BUILDING CODE.

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1/2" MULLION - LOAD TABLE 2

DATE: 3/5/18

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

PREPARED BY:

DRAWING NO: PELL00039

SHEET: 3 OF 14

UPDATED TO 7TH EDITION (2020) FBC

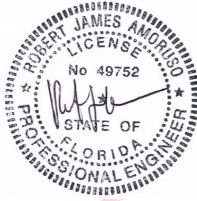
RA

9/11/20

DATE

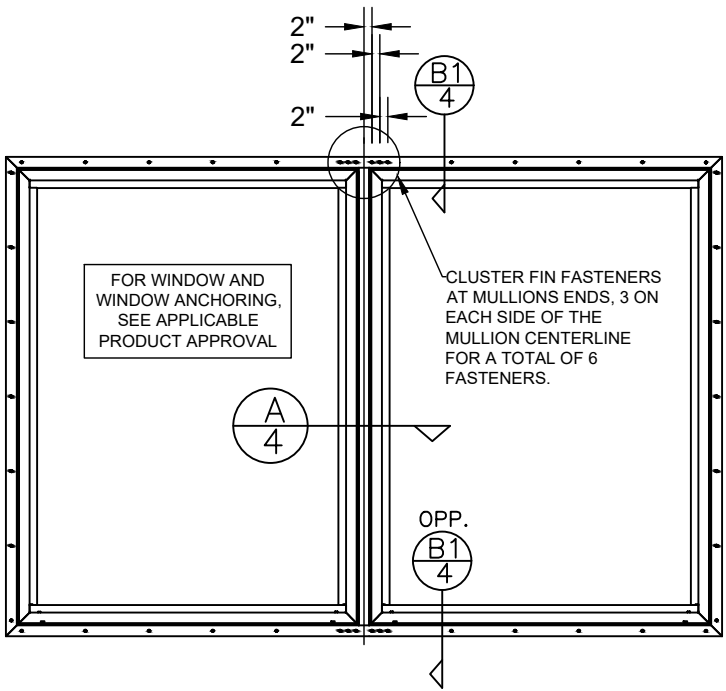
BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

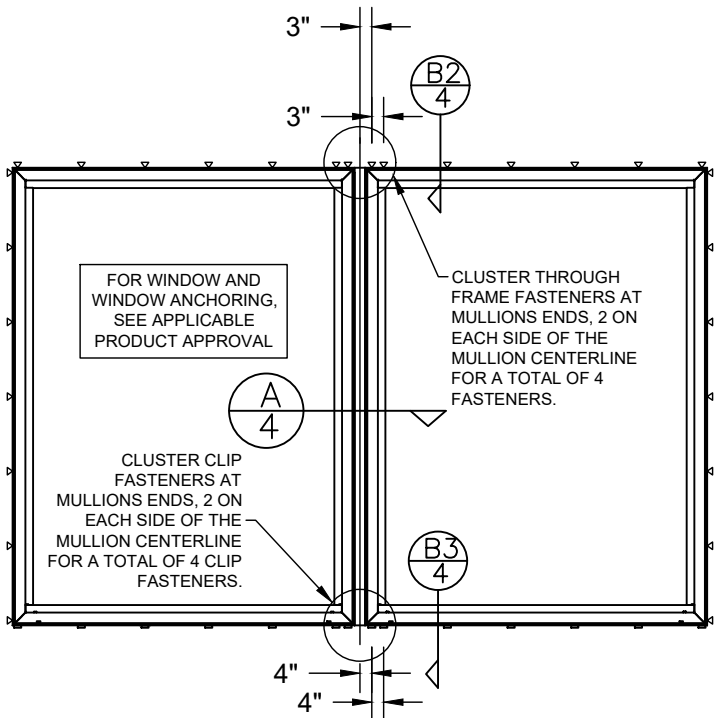


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Date: 2020.09.11 15:46:47 -04'00'

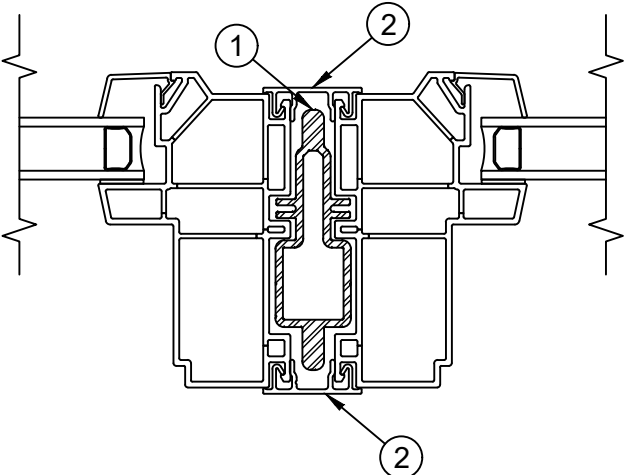
1/2" ALUMINUM MULLION - WINDOW INSTALLATION



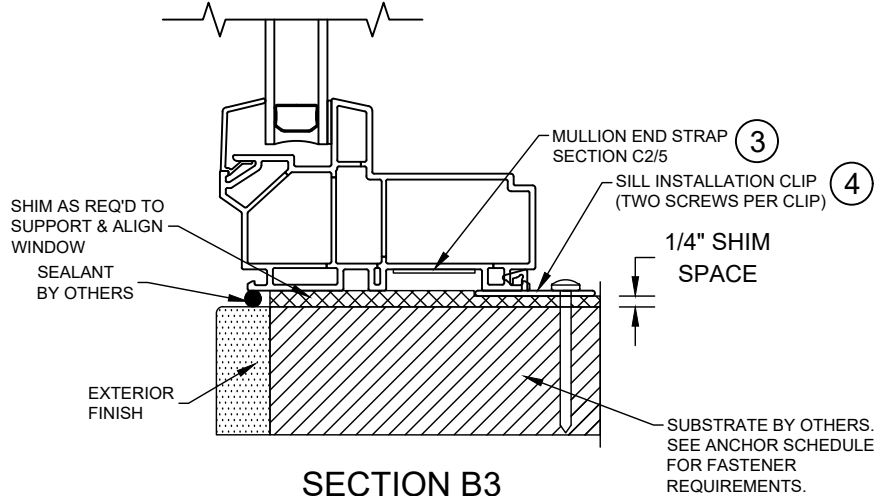
EXTERIOR ELEVATION - TYPICAL MULLED UNIT
VERTICAL 1/2" MULLION SHOWN
(APPLICABLE TO HORIZONTAL MULLION)
NAIL FIN MOUNT CONDITION



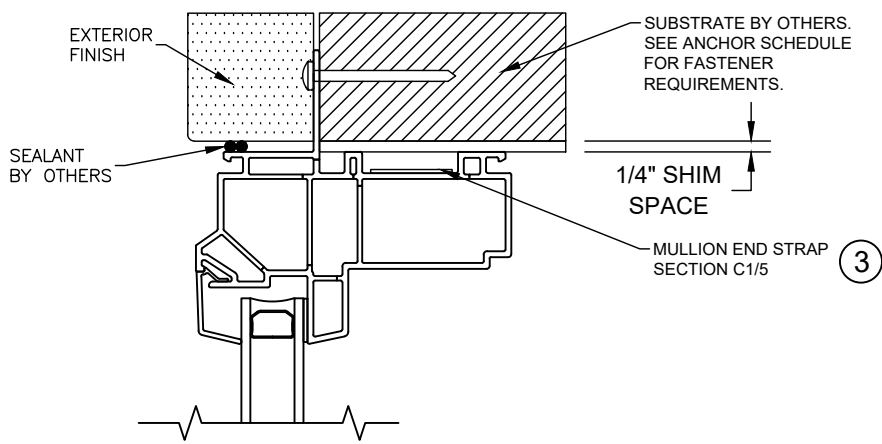
EXTERIOR ELEVATION - TYPICAL MULLED UNIT
VERTICAL 1/2" MULLION SHOWN
(APPLICABLE TO HORIZONTAL MULLION)
THROUGH FRAME AND CLIP MOUNT CONDITION



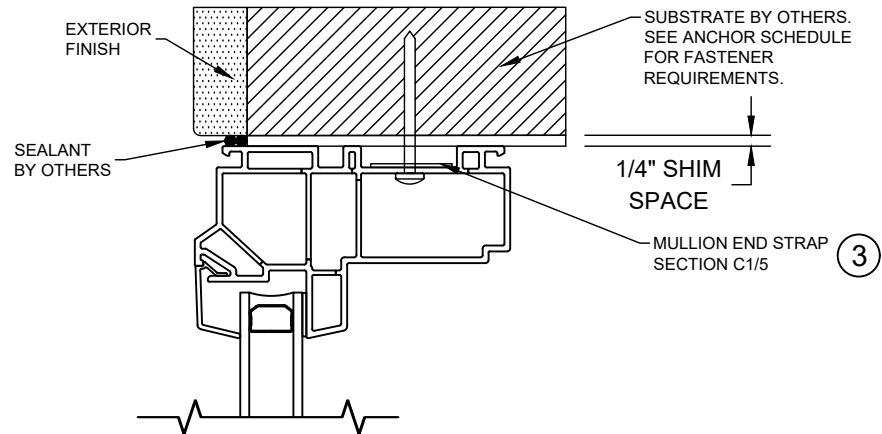
EXTERIOR ELEVATION - SECTION A
TYPICAL MULLED UNIT
VERTICAL 1/2" MULLION SHOWN
(APPLICABLE TO HORIZONTAL MULLION)
NAIL FIN MOUNT CONDITION



SECTION B3
THROUGH FRAME MOUNT
(SILL SHOWN)



SECTION B1
NAIL FIN MOUNT
(HEAD SHOWN - APPLICABLE TO
JAMBS AND SILL)



SECTION B2
THROUGH FRAME MOUNT
(HEAD SHOWN - APPLICABLE TO
JAMBS)

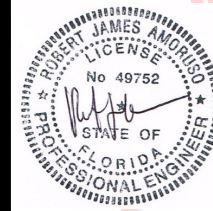
PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

			RA	BY
		9/11/20		DATE
		UPDATED TO 7TH EDITION (2020) FBC		DESCRIPTION
		C	REV	

Pella, IA 50219	
TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM 1/2" MULLION - WINDOW INSTALLATION	
PREPARED BY:	
DRAWN BY:	RJA
DATE:	3/5/18
SCALE:	N.T.S.
DRAWING NO:	PELL0039
REV:	A
SHEET:	4 OF 14
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com	

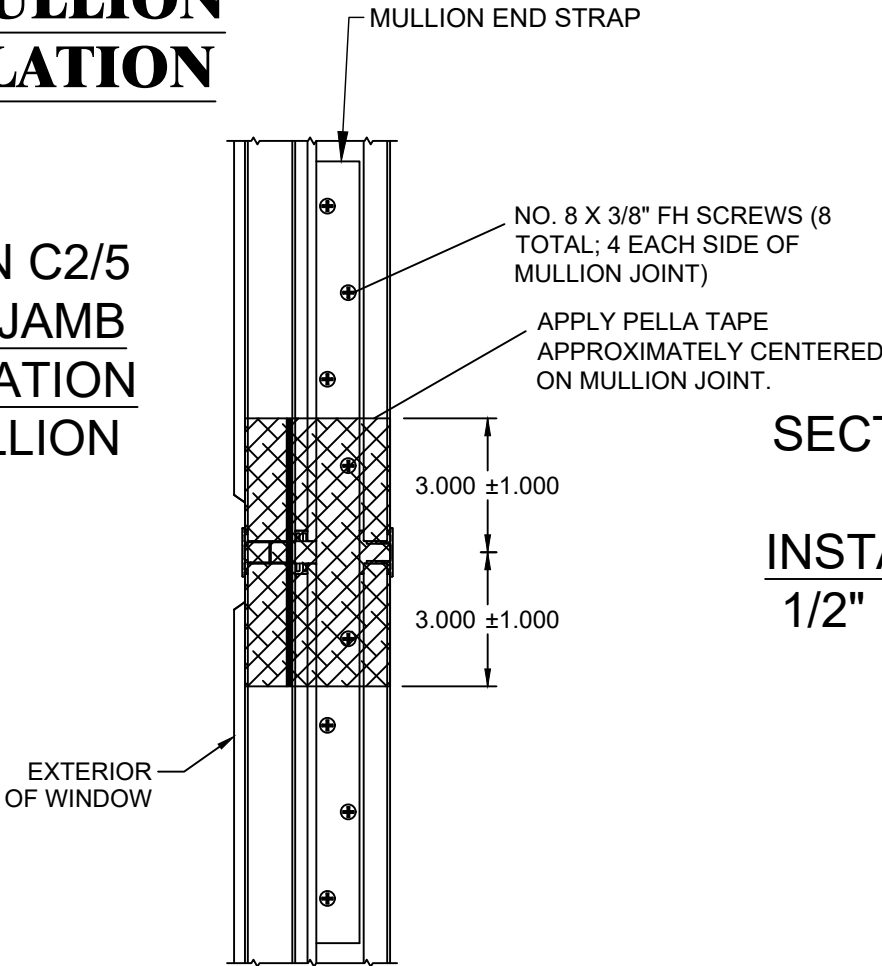
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



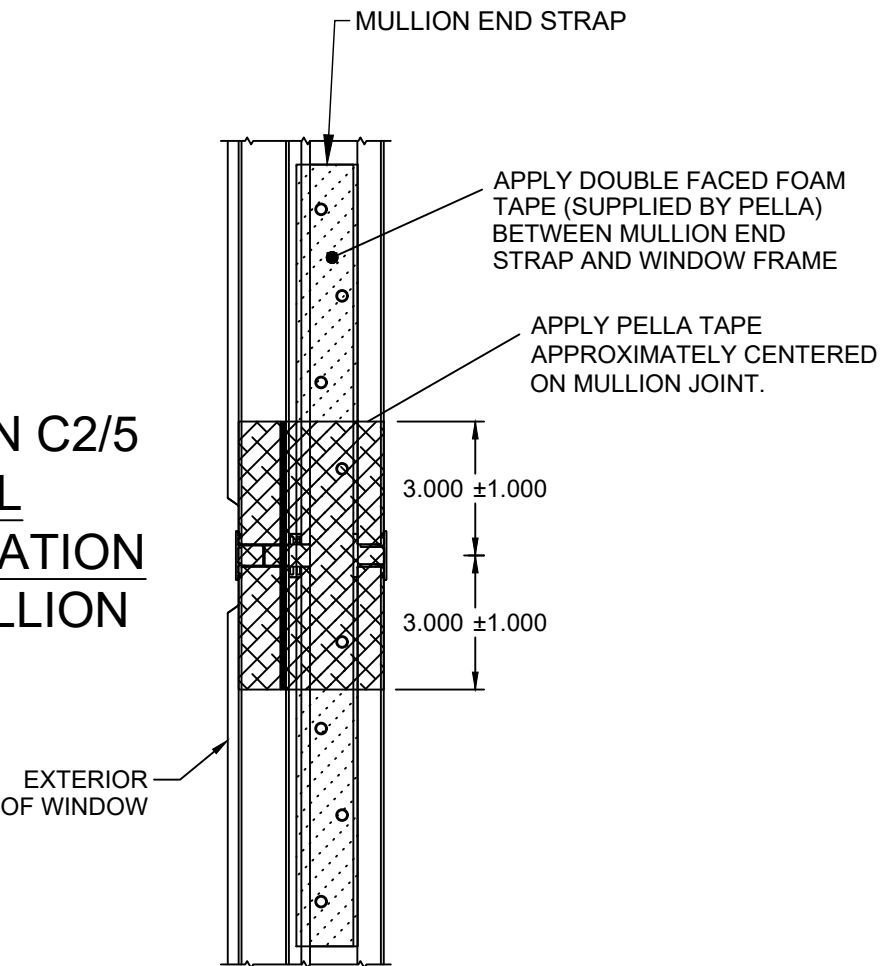
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Robert J
Amoruso
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1/2" ALUMINUM MULLION
WINDOW INSTALLATION

SECTION C2/5
HEAD & JAMB
INSTALLATION
1/2" MULLION



SECTION C2/5
SILL
INSTALLATION
1/2" MULLION



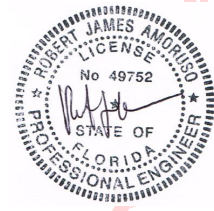
1/2" MULLION INSTALLATION ANCHOR SCHEDULE								
CONNECTION	SUBSTRATE	HEAD TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN)	SUBSTRATE CAPACITIES BASED ON
THROUGH FRAME INSTALLATION	CONCRETE	PAN HEAD	3/16"	ITW TAPCONS (2)	1-3/4"	1-1/8"	2"	MIN. 2000 PSI CONCRETE
				ELCO CRETE-FLEX SS4	2"	1-7/8"	2"	MIN. 2500 PSI CONCRETE
				HILTI KWIK-CON II	1-1/2"	1-1/8"	2"	MIN. 2500 PSI CONCRETE
	MASONRY (BLOCK/CMU)	PAN HEAD	3/16"	ITW TAPCONS (2)	1"	2"	3"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT, DENSITY > 117 pcf
				ELCO CRETE-FLEX SS4	1-1/4"	1-7/8"	3"	
				HILTI KWIK-CON II	1"	1-1/8"	3"	
	WOOD (1)	PAN HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW), GR. 5 ASME B18.6.4 (TAPPING SCREW), GR. 5	1-1/4"	3/4"	3/4"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42
	1/8" THK. ALUMINUM	PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	3/8"	5/8"	ALUMINUM 6063-T5 ALUMINUM OR BETTER
	1/8" THK. STEEL	PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5		3/8"	5/8"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER
NAILING FIN (FIN FRAME) INSTALLATION	20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS	PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5		3/8"	5/8"	ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER
	WOOD (1)	PAN HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW), GR. 5 ASME B18.6.4 (TAPPING SCREW), GR. 5	1-1/2"	3/8"	3/4"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42
	1/8" THK. ALUMINUM	PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	3/8"	5/8"	ALUMINUM 6063-T5 ALUMINUM OR BETTER
	1/8" THK. STEEL	PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5		3/8"	5/8"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

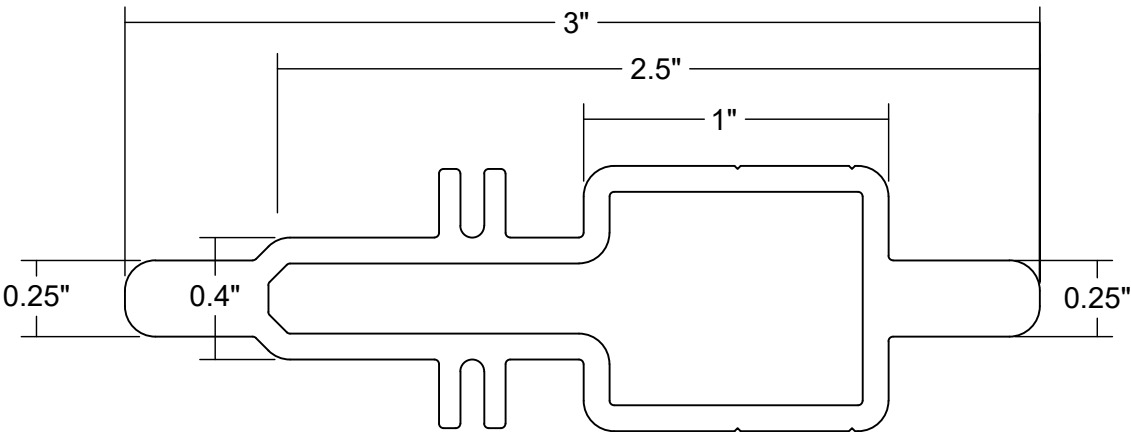
TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1/2" MULLION - WINDOW INSTALLATION & ANCHOR SCHEDULE

PREPARED BY: DATE: 3/5/18
DRAWN BY: RJA
SCALE: N.T.S.
SHEET: 5 OF 14
PELLA
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@gate-corp.com

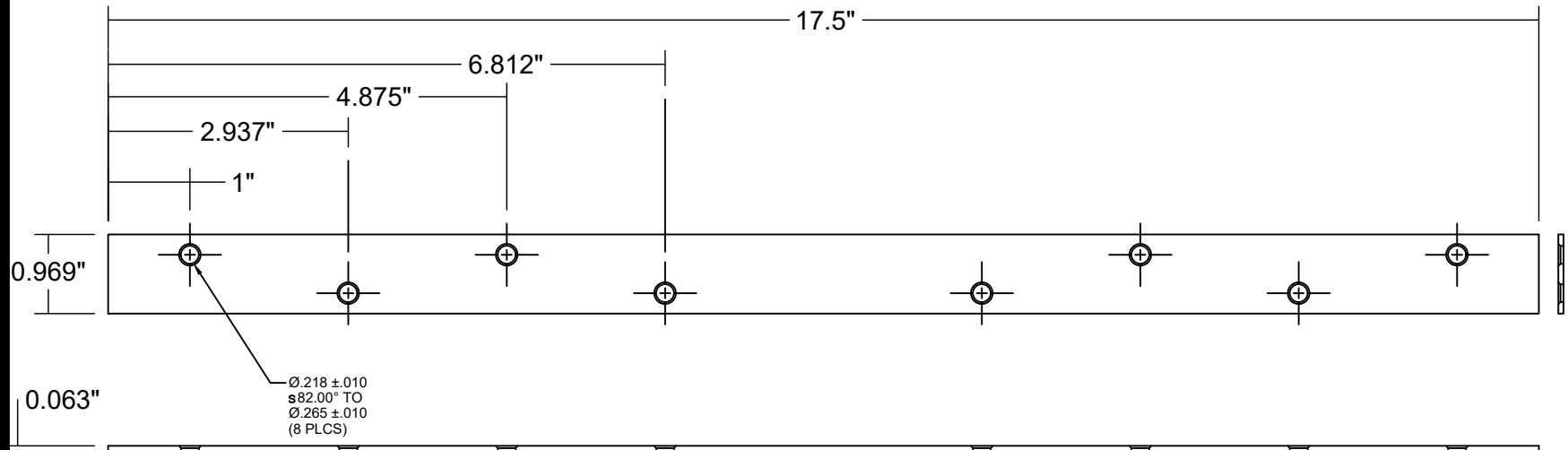


Digitally signed by Robert J Amoruso
Date: 2020.09.11 15:47:09 -04'00'

1/2" ALUMINUM MULLION - COMPONENTS



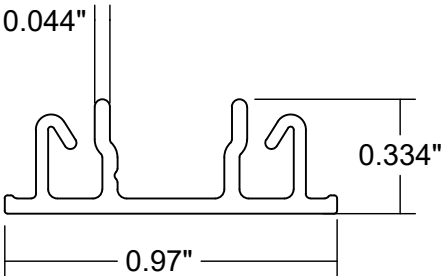
① 1/2" MULLION
6063-T6 ALUMINUM



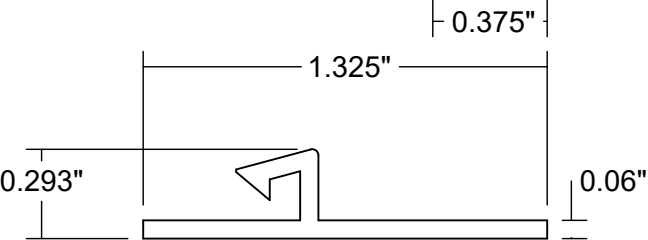
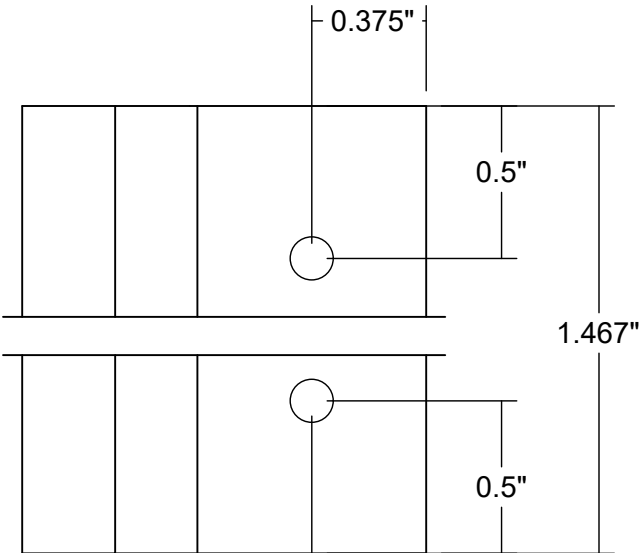
③ MULLION END STRAP
GALVANIZED STEEL

1/2" MULLION COMBINATION BILL OF MATERIALS

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
1	DES-V985276	V985276	MULLION, 1/2", STIFFENER
2	DES-V982591-DFT	---	1/2" MULLION COVER
3	DES-V985278-DFT	V985278	PLATE, MULLION, TRUSS
4	V421016	V421016	INSTALLATION CLIP



② MULL CAP
RIGID PVC



④ INSTALLATION CLIP
RIGID PVC

PROJECT # 420-0804

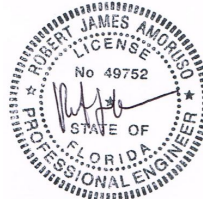
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1/2" MULLION - COMPONENTS

DATE:	3/5/18
DRAWING NO:	PELL0039
SCALE:	N.T.S.
REV:	A
SHEET:	6 OF 14

REV:	DESCRIPTION	DATE	BY
C	UPDATED TO 7TH EDITION (2020) FBC	9/11/20	RA

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed by Robert J Amoruso
Date: 2020.09.11 15:47:21 -04'00'

1" ALUMINUM MULLION - MULL SPAN vs. LOAD WIDTH CAPACITY TABLES

MULLION TABLE 2																						
(1 INCH ALUMINUM MULLION)																						
MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)
30	24	50		48	24	50		60	24	50		72	24	50		80	24	50		108	24	36
30	30	50		48	30	50		60	30	50		72	30	50		80	30	50		108	30	29
30	36	50		48	36	50		60	36	50		72	36	50		80	36	50		108	36	24
30	42	50		48	42	50		60	42	50		72	42	50		80	42	50		108	42	21
30	48	50		48	48	50		60	48	50		72	48	50		80	48	44		108	48	18
30	54	50		48	54	50		60	54	50		72	54	50		80	54	40		108	54	16
30	60	50		48	60	50		60	60	50		72	60	49		80	60	36		108	60	-
30	66	50		48	66	50		60	66	50		72	66	44		80	66	32		108	66	-
30	72	50		48	72	50		60	72	50		72	72	41		80	72	30		108	72	-
30	78	50		48	78	50		60	78	50		72	78	38		80	78	27		108	78	-
30	84	50		48	84	50		60	84	50		72	84	35		80	84	25		108	84	-
30	90	50		48	90	50		60	90	50		72	90	33		80	90	24		108	90	-
30	96	50		48	96	50		60	96	50		72	96	31		80	96	22		108	96	-
30	108	50		48	108	50		60	108	47		72	108	27		80	108	20		108	108	-

36	24	50		53	24	50		66	24	50		78	24	50		96	24	50				
36	30	50		53	30	50		66	30	50		78	30	50		96	30	41				
36	36	50		53	36	50		66	36	50		78	36	50		96	36	34				
36	42	50		53	42	50		66	42	50		78	42	50		96	42	29				
36	48	50		53	48	50		66	48	50		78	48	48		96	48	26				
36	54	50		53	54	50		66	54	50		78	54	43		96	54	23				
36	60	50		53	60	50		66	60	50		78	60	38		96	60	21				
36	66	50		53	66	50		66	66	50		78	66	35		96	66	19				
36	72	50		53	72	50		66	72	50		78	72	32		96	72	17				
36	78	50		53	78	50		66	78	49		78	78	30		96	78	16				
36	84	50		53	84	50		66	84	45		78	84	27		96	84	-				
36	90	50		53	90	50		66	90	42		78	90	26		96	90	-				
36	96	50		53	96	50		66	96	40		78	96	24		96	96	-				
36	108	50		53	108	50		66	108	35		78	108	21		96	108	-				

INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE:

1. DETERMINE THE WINDLOAD REQUIREMENT (D.P. PSF) FOR THE PARTICULAR OPENING.
2. FOR THE PARTICULAR OPENING (SEE SHEET 2 FOR APPROVED MULLION CONFIGURATIONS), DETERMINE THE TRIBUTARY WIDTH AND MULLION SPAN. REFERENCE THE SKETCHES ON THIS SHEET FOR MULLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN IN THE TABLE, LOCATE MULLION SPAN. IN SECOND COLUMN OF THE TABLE , LOCATE THE TRIBUTARY WIDTH. IN THE THIRD COLUMN CORRESPONDING TO THE DESIRED MULLION SPAN vs. LOAD WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DEFINED IN STEP 1 ABOVE.
4. UNITS:

4.1. DESIGN PRESSURE IN PSF.

4.2. MULL SPAN AND LOAD WIDTH IS IN INCHES.

TABLE NOTES:

1. FOR INSTALLATION DETAILS, SEE SHEETS 4 & 5 FOR DETAIL.
2. IN ORDER TO SIMPLIFY TABLES, TABLE PRESSURES ARE LIMITED TO 50 PSF. USE OF THESE MULLIONS FOR PRESSURES HIGHER THAN 50 PSF SHALL BE REVIEWED UNDER SEPARATE ENGINEERING EVALUATION.
3. THESE LOAD TABLES ARE CERTIFIED AS CORRECT IN CONTENT. HOWEVER, CHOOSING OF THE CORRECT MULLION & CONNECTION FROM THESE TABLES FOR ITS SPECIFIC USE IS THE RESPONSIBILITY OF THOSE USING THE TABLES AND SHOULD BE VERIFIED BY THE BUILDING OFFICIAL OR A FLORIDA LICENSED ENGINEER.
4. ALL LOADS IN THESE TABLES RESTRICT MULLION DEFLECTION TO L/175 PER THE FLORIDA BUILDING CODE.

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1" MULLION - LOAD TABLE 2

DATE: 3/5/18

DRAWN BY: RJA

SCALE: N.T.S.

PREPARED BY:

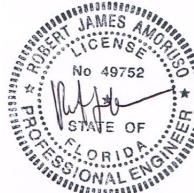
DRAWING NO: PELL0039

REV: A

SHEET: 7 OF 14



Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed by Robert J Amoruso
Date: 2020.09.11 15:47:32 -04'00'

1" ALUMINUM MULLION WITH ONE REINFORCEMENT - MULL SPAN vs. LOAD WIDTH CAPACITY TABLES

MULLION TABLE 3																				
(1 INCH ALUMINUM MULLION WITH ONE REINFORCEMENT INSERT)																				
MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)
30	24	50		48	24	50		60	24	50		72	24	50		80	24	50		108
30	30	50		48	30	50		60	30	50		72	30	50		80	30	50		108
30	36	50		48	36	50		60	36	50		72	36	50		80	36	50		108
30	42	50		48	42	50		60	42	50		72	42	50		80	42	50		108
30	48	50		48	48	50		60	48	50		72	48	50		80	48	50		108
30	54	50		48	54	50		60	54	50		72	54	50		80	54	50		108
30	60	50		48	60	50		60	60	50		72	60	50		80	60	45		108
30	66	50		48	66	50		60	66	50		72	66	50		80	66	41		108
30	72	50		48	72	50		60	72	50		72	72	50		80	72	37		108
30	78	50		48	78	50		60	78	50		72	78	47		80	78	35		108
30	84	50		48	84	50		60	84	50		72	84	44		80	84	32		108
30	90	50		48	90	50		60	90	50		72	90	41		80	90	30		108
30	96	50		48	96	50		60	96	50		72	96	39		80	96	28		108
30	108	50		48	108	50		60	108	50		72	108	34		80	108	25		108

36	24	50		53	24	50		66	24	50		78	24	50		96	24	50		
36	30	50		53	30	50		66	30	50		78	30	50		96	30	50		
36	36	50		53	36	50		66	36	50		78	36	50		96	36	43		
36	42	50		53	42	50		66	42	50		78	42	50		96	42	37		
36	48	50		53	48	50		66	48	50		78	48	50		96	48	33		
36	54	50		53	54	50		66	54	50		78	54	50		96	54	29		
36	60	50		53	60	50		66	60	50		78	60	49		96	60	26		
36	66	50		53	66	50		66	66	50		78	66	44		96	66	24		
36	72	50		53	72	50		66	72	50		78	72	40		96	72	22		
36	78	50		53	78	50		66	78	50		78	78	37		96	78	20		
36	84	50		53	84	50		66	84	50		78	84	35		96	84	19		
36	90	50		53	90	50		66	90	50		78	90	32		96	90	17		
36	96	50		53	96	50		66	96	50		78	96	30		96	96	16		
36	108	50		53	108	50		66	108	45		78	108	27		96	108	-		

INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE:

1. DETERMINE THE WINDLOAD REQUIREMENT (D.P. PSF) FOR THE PARTICULAR OPENING.
2. FOR THE PARTICULAR OPENING (SEE SHEET 2 FOR APPROVED MULLION CONFIGURATIONS), DETERMINE THE TRIBUTARY WIDTH AND MULLION SPAN. REFERENCE THE SKETCHES ON THIS SHEET FOR MULLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN IN THE TABLE, LOCATE MULLION SPAN. IN SECOND COLUMN OF THE TABLE , LOCATE THE TRIBUTARY WIDTH. IN THE THIRD COLUMN CORRESPONDING TO THE DESIRED MULLION SPAN vs. LOAD WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DEFINED IN STEP 1 ABOVE.
4. UNITS:

4.1. DESIGN PRESSURE IN PSF.

4.2. MULL SPAN AND LOAD WIDTH IS IN INCHES.

TABLE NOTES:

1. FOR INSTALLATION DETAILS, SEE SHEETS 4 & 5 FOR DETAIL.
2. IN ORDER TO SIMPLIFY TABLES, TABLE PRESSURES ARE LIMITED TO 50 PSF. USE OF THESE MULLIONS FOR PRESSURES HIGHER THAN 50 PSF SHALL BE REVIEWED UNDER SEPARATE ENGINEERING EVALUATION.
3. THESE LOAD TABLES ARE CERTIFIED AS CORRECT IN CONTENT. HOWEVER, CHOOSING OF THE CORRECT MULLION & CONNECTION FROM THESE TABLES FOR ITS SPECIFIC USE IS THE RESPONSIBILITY OF THOSE USING THE TABLES AND SHOULD BE VERIFIED BY THE BUILDING OFFICIAL OR A FLORIDA LICENSED ENGINEER.
4. ALL LOADS IN THESE TABLES RESTRICT MULLION DEFLECTION TO L/175 PER THE FLORIDA BUILDING CODE.

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1" MULLION WITH ONE REINFORCEMENT - LOAD TABLE 3

DATE: 3/5/18

DRAWING NO: PELL0039

SHEET: 8 OF 14

DRAWN BY: RJA

SCALE: N.T.S.

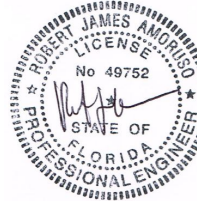
REV: A

PREPARED BY:



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1789
Fax: 321.690.1789
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed by Robert J Amoruso
Date: 2020.09.11 15:47:43 -04'00'

1" ALUMINUM MULLION WITH TWO REINFORCEMENTS - MULL SPAN vs. LOAD WIDTH CAPACITY TABLES

MULLION TABLE 4																				
(1 INCH ALUMINUM MULLION WITH TWO REINFORCEMENT INSERTS)																				
MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)	LOAD WIDTH (in)	DESIGN PRESSURE (psf)		MULL SPAN (in)
30	24	50		48	24	50		60	24	50		72	24	50		80	24	50		108
30	30	50		48	30	50		60	30	50		72	30	50		80	30	50		108
30	36	50		48	36	50		60	36	50		72	36	50		80	36	50		108
30	42	50		48	42	50		60	42	50		72	42	50		80	42	50		108
30	48	50		48	48	50		60	48	50		72	48	50		80	48	50		108
30	54	50		48	54	50		60	54	50		72	54	50		80	54	50		108
30	60	50		48	60	50		60	60	50		72	60	50		80	60	50		108
30	66	50		48	66	50		60	66	50		72	66	50		80	66	49		108
30	72	50		48	72	50		60	72	50		72	72	50		80	72	45		108
30	78	50		48	78	50		60	78	50		72	78	50		80	78	42		108
30	84	50		48	84	50		60	84	50		72	84	50		80	84	39		108
30	90	50		48	90	50		60	90	50		72	90	50		80	90	36		108
30	96	50		48	96	50		60	96	50		72	96	46		80	96	34		108
30	108	50		48	108	50		60	108	50		72	108	41		80	108	30		108

36	24	50		53	24	50		66	24	50		75	24	50		96	24	50		
36	30	50		53	30	50		66	30	50		75	30	50		96	30	50		
36	36	50		53	36	50		66	36	50		75	36	50		96	36	50		
36	42	50		53	42	50		66	42	50		75	42	50		96	42	45		
36	48	50		53	48	50		66	48	50		75	48	50		96	48	39		
36	54	50		53	54	50		66	54	50		75	54	50		96	54	35		
36	60	50		53	60	50		66	60	50		75	60	50		96	60	31		
36	66	50		53	66	50		66	66	50		75	66	50		96	66	29		
36	72	50		53	72	50		66	72	50		75	72	50		96	72	26		
36	78	50		53	78	50		66	78	50		75	78	50		96	78	24		
36	84	50		53	84	50		66	84	50		75	84	47		96	84	22		
36	90	50		53	90	50		66	90	50		75	90	44		96	90	21		
36	96	50		53	96	50		66	96	50		75	96	41		96	96	20		
36	108	50		53	108	50		66	108	50		75	108	37		96	108	17		

INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE:

1. DETERMINE THE WINDLOAD REQUIREMENT (D.P. PSF) FOR THE PARTICULAR OPENING.
2. FOR THE PARTICULAR OPENING (SEE SHEET 2 FOR APPROVED MULLION CONFIGURATIONS), DETERMINE THE TRIBUTARY WIDTH AND MULLION SPAN. REFERENCE THE SKETCHES ON THIS SHEET FOR MULLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN IN THE TABLE, LOCATE MULLION SPAN. IN SECOND COLUMN OF THE TABLE , LOCATE THE TRIBUTARY WIDTH. IN THE THIRD COLUMN CORRESPONDING TO THE DESIRED MULLION SPAN vs. LOAD WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DEFINED IN STEP 1 ABOVE.
4. UNITS:

4.1. DESIGN PRESSURE IN PSF.

4.2. MULL SPAN AND LOAD WIDTH IS IN INCHES.

TABLE NOTES:

1. FOR INSTALLATION DETAILS, SEE SHEETS 4 & 5 FOR DETAIL.
2. IN ORDER TO SIMPLIFY TABLES, TABLE PRESSURES ARE LIMITED TO 50 PSF. USE OF THESE MULLIONS FOR PRESSURES HIGHER THAN 50 PSF SHALL BE REVIEWED UNDER SEPARATE ENGINEERING EVALUATION.
3. THESE LOAD TABLES ARE CERTIFIED AS CORRECT IN CONTENT. HOWEVER, CHOOSING OF THE CORRECT MULLION & CONNECTION FROM THESE TABLES FOR ITS SPECIFIC USE IS THE RESPONSIBILITY OF THOSE USING THE TABLES AND SHOULD BE VERIFIED BY THE BUILDING OFFICIAL OR A FLORIDA LICENSED ENGINEER.
4. ALL LOADS IN THESE TABLES RESTRICT MULLION DEFLECTION TO L/175 PER THE FLORIDA BUILDING CODE.

PROJECT # 420-0804			RA	BY
			9/11/20	DATE
		UPDATED TO 7TH EDITION (2020) FBC	C	REV

PELLA CORPORATION

102 MAIN STREET

PELLA, IA 50219

TITLE:

SERIES 250 VINYL WINDOW MULLION SYSTEM

1" MULLION WITH TWO REINFORCEMENTS - LOAD TABLE 4

PREPARED BY:

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE:

3/5/18

DRAWING NO: PELL0039

SHEET: 9 OF 14

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775

LONGWOOD, FLORIDA 32752

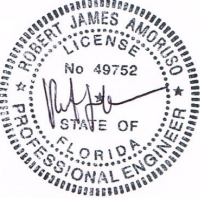
PEPE CA, INC. 23355

Phone: 321.690.1788

Fax: 321.690.1789

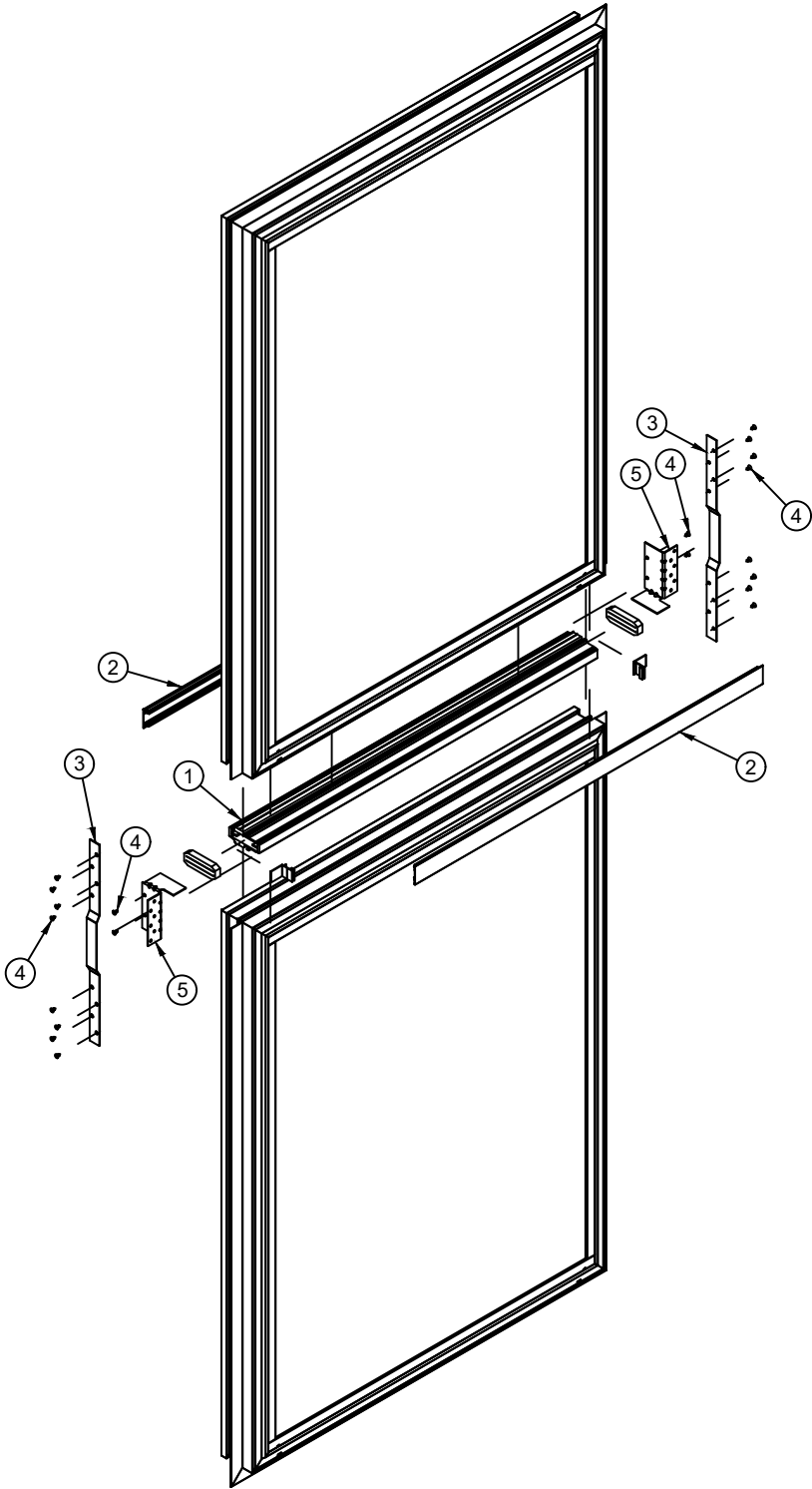
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



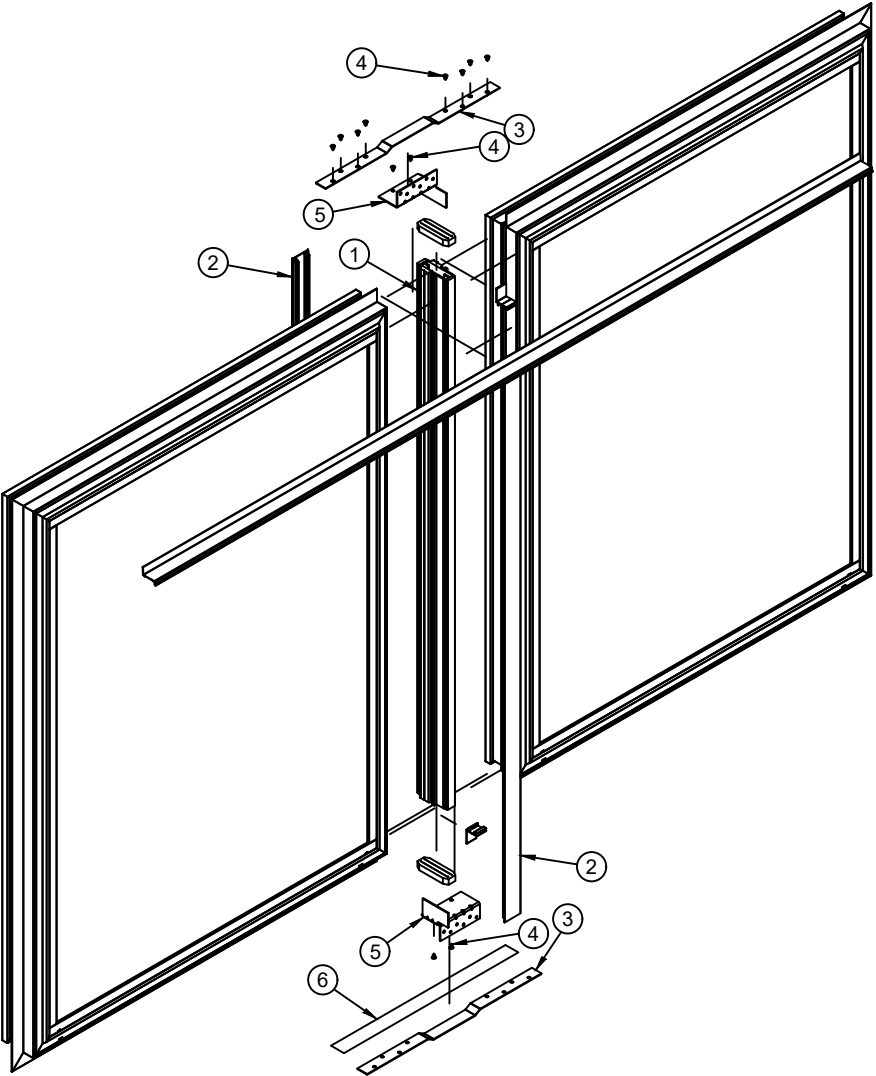
Digitally signed by
Robert J Amoruso
Date: 2020.09.11
15:47:54 -04'00'

1" ALUMINUM MULLION - NAIL FIN (FIN FRAME) WINDOW INSTALLATION



HORIZONTAL 1" MULLION
(NAIL FIN)

1" MULLION COMBINATION BILL OF MATERIALS			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
1	DES-000023418	V986947	MULLION, 1", STIFFENER
2	DES-V982703-DFT	---	1" MULLION COVER
3	DES-000024870	V986957	PLATE, MULLION, TRUSS
4	DES-V782780-DFT	V980367	SCREW, #8 X 0.375, FLAT HEAD
5	DES-000024871	V986948 (LH) AND V986949 (RH)	ANCHOR, END, NAIL FIN
6	DES-MS83G5-DFT	83G50000	DOUBLE FACED FOAM TAPE
7	DES-000024869	V986951	ANCHOR, END, BLOCK FRAME
8	DES-000023421	V986950	REINFORCEMENT, MULLION, 1", STRUCTURAL



VERTICAL 1" MULLION
(NAIL FIN)

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1" ALUMINUM MULLION - NAIL FIN WINDOW INSTALLATION

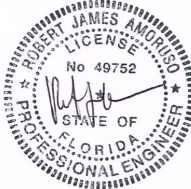
PREPARED BY: DATE: 3/5/18
DRAWING NO: PELL00039

SCALE: N.T.S.
REV: A

SHEET: 10 OF 14

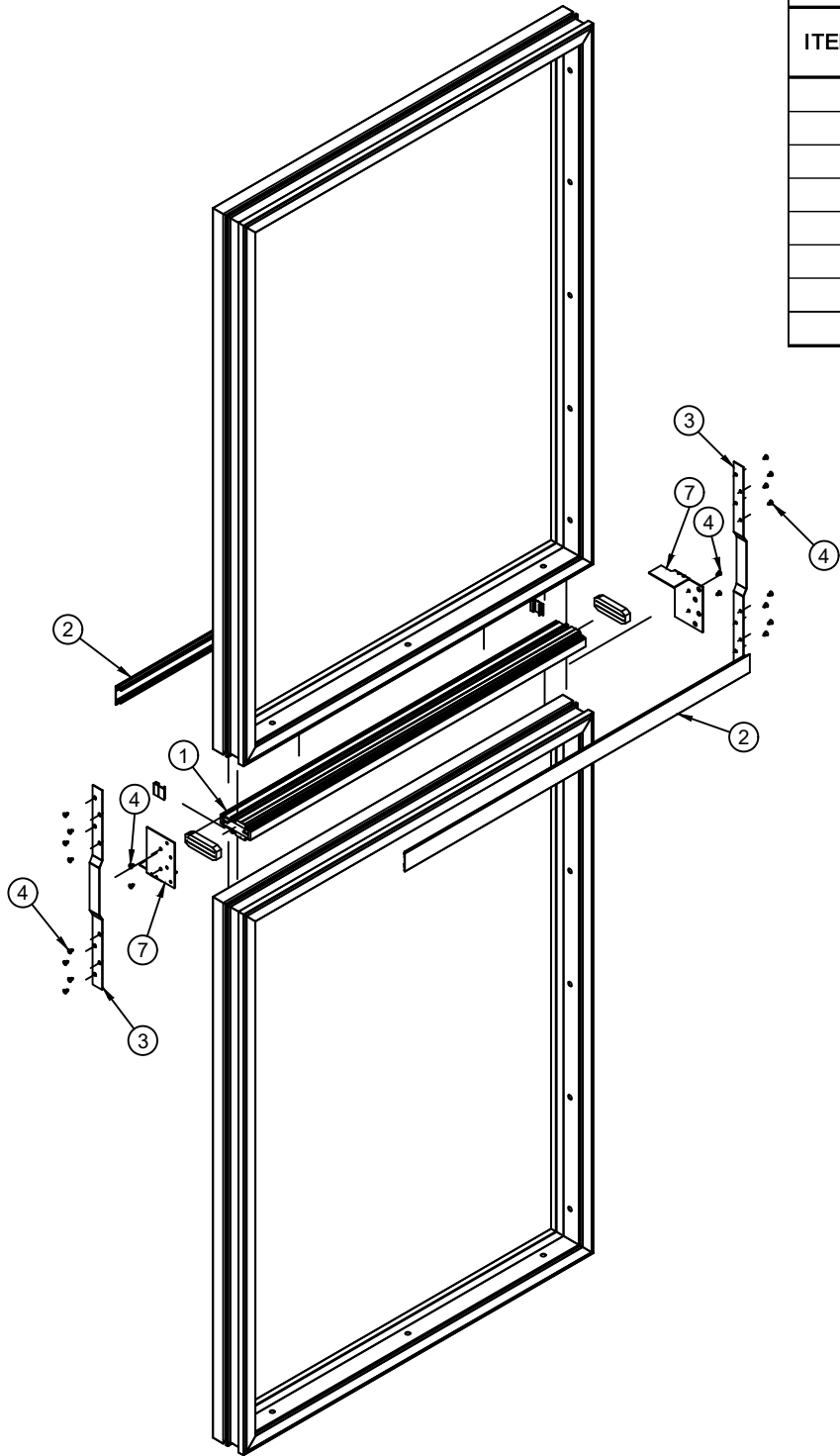
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
P&PE C.A. NO. 23585

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



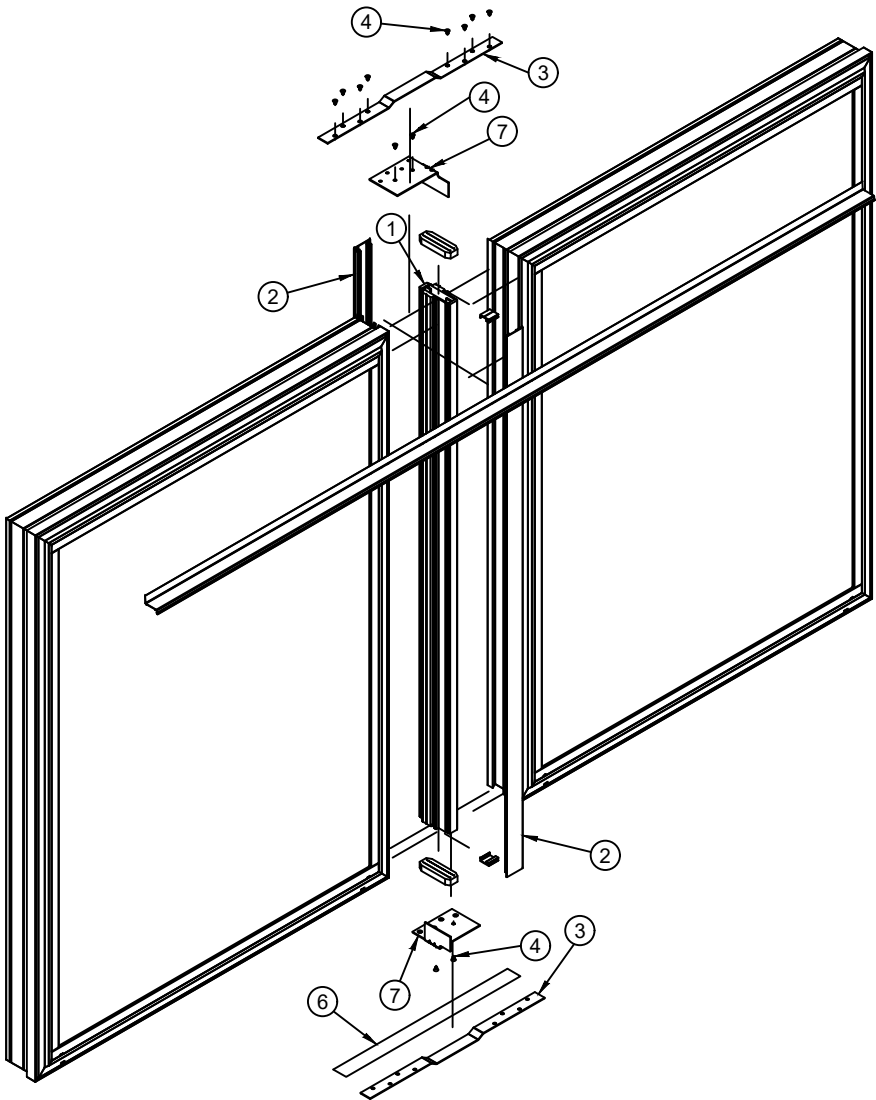
Digitally
signed by
Robert J
Amoruso
Date:
2020.09.11
15:48:04
-04'00'

1" ALUMINUM MULLION - BLOCK FRAME WINDOW INSTALLATION



HORIZONTAL 1" MULLION
(BLOCK FRAME)

1" MULLION COMBINATION BILL OF MATERIALS			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
1	DES-000023418	V986947	MULLION, 1", STIFFENER
2	DES-V982703-DFT	---	1" MULLION COVER
3	DES-000024870	V986957	PLATE, MULLION, TRUSS
4	DES-V782780-DFT	V980367	SCREW, #8 X 0.375, FLAT HEAD
5	DES-000024871	V986948 (LH) AND V986949 (RH)	ANCHOR, END, NAIL FIN
6	DES-MS83G5-DFT	83G50000	DOUBLE FACED FOAM TAPE
7	DES-000024869	V986951	ANCHOR, END, BLOCK FRAME
8	DES-000023421	V986950	REINFORCEMENT, MULLION, 1", STRUCTURAL



VERTICAL 1" MULLION
(BLOCK FRAME)

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE:
SERIES 250 VINYL WINDOW MULLION SYSTEM
1" ALUMINUM MULLION - BLOCK FRAME WINDOW INSTALLATION

PREPARED BY:
RJA

DRAWN BY:
RJA

DATE:
3/5/18

DRAWING NO:
PELL0039

SHEET:
11 OF 14

9/1/20

RA

BY

DESCRIPTION

REV

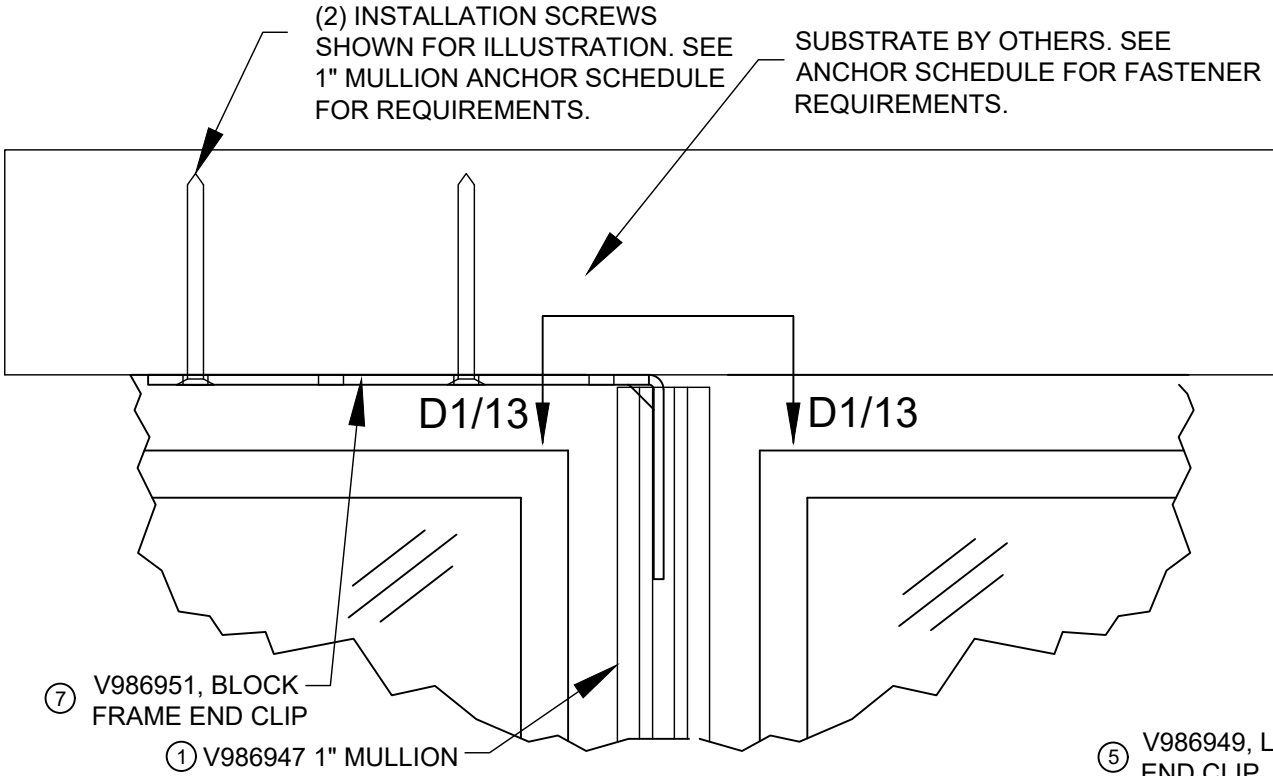
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UPDATED TO 7TH EDITION (2020) FBC

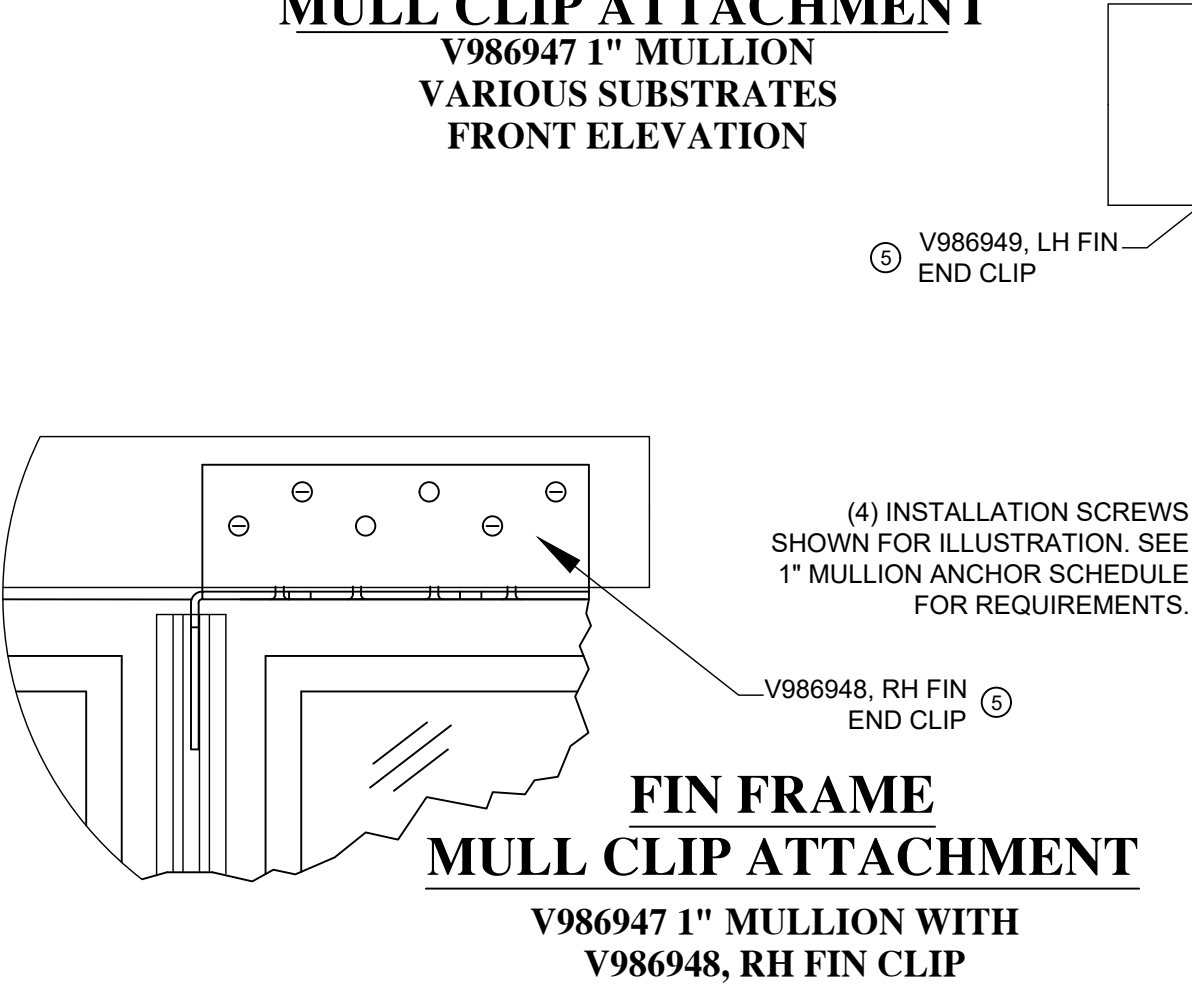
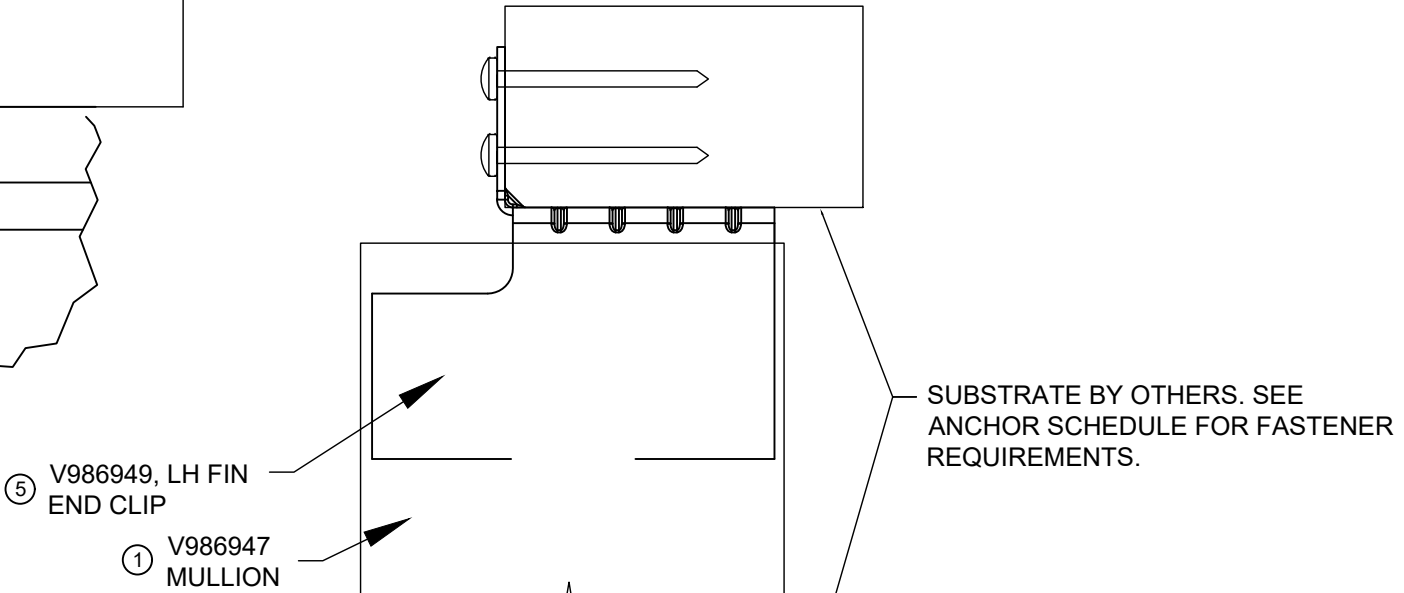
Robert J. Amoruso, P.E.
Florida P.E. No. 49752

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Date: 2020.09.11 15:50:15 -04'00'

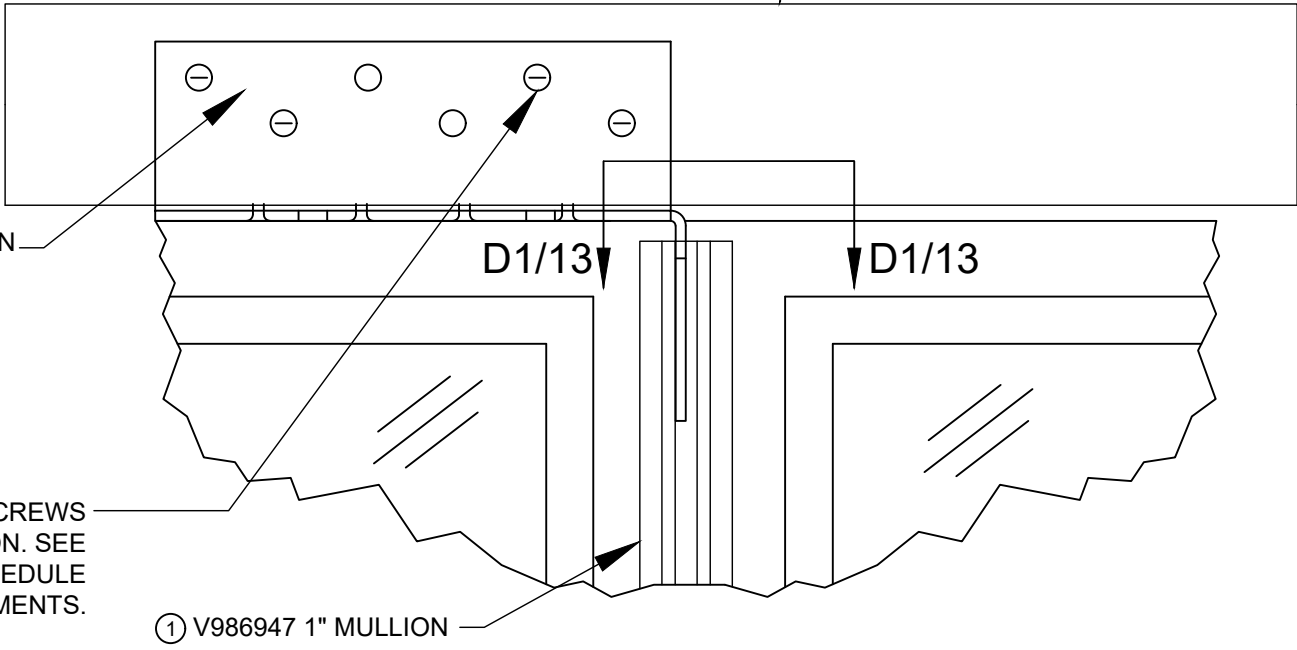
1" ALUMINUM MULLION - NAIL FIN (FIN FRAME) AND BLOCK FRAME MULL CLIP INSTALLATION



BLOCK FRAME
MULL CLIP ATTACHMENT
V986947 1" MULLION
VARIOUS SUBSTRATES
FRONT ELEVATION



FIN FRAME
MULL CLIP ATTACHMENT
V986947 1" MULLION WITH
V986948, RH FIN CLIP



FIN FRAME
MULL CLIP ATTACHMENT
V986947 1" MULLION WITH
V986949, LH FIN CLIP
VARIOUS SUBSTRATES
FRONT ELEVATION

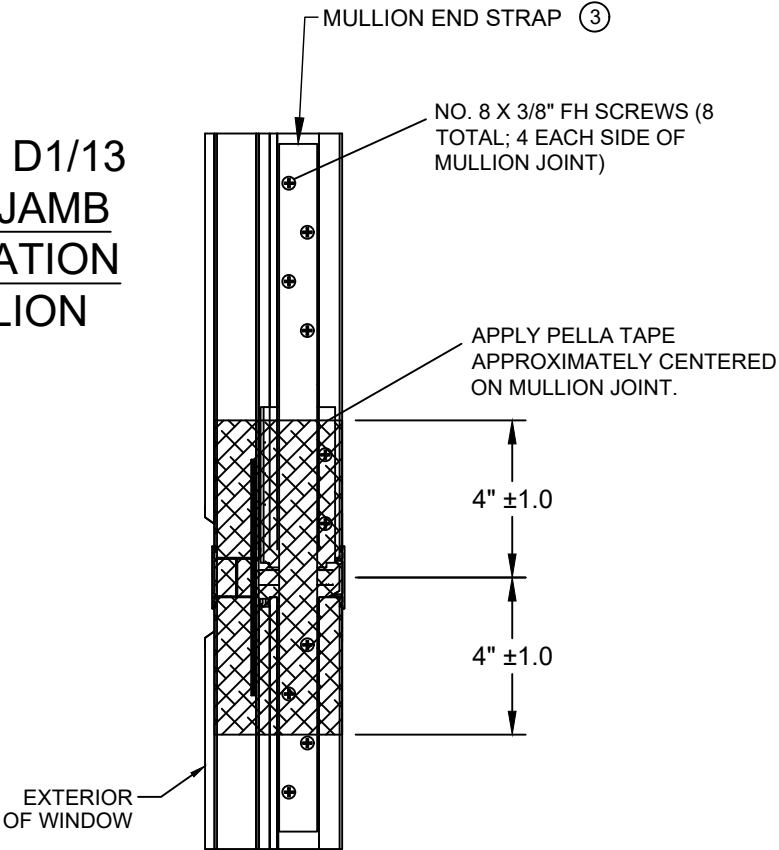
PROJECT # 420-0804				RA	BY
				9/1/20	DATE
				UPDATED TO 7TH EDITION (2020) FBC	DESCRIPTION
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219	C	REV			
	TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM 1" ALUM. MULLION - NAIL FIN & BLOCK FRAME MULL CLIP INSTALL.				
	DRAWN BY: RJA	DATE: 3/5/18	DRAWING NO: PELL0039	SHEET: 12 OF 14	
PREPARED BY: SCALE: N.T.S.					
REV: A					
PTC PRODUCT DESIGN GROUP, LLC PO BOX 52075 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com					

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

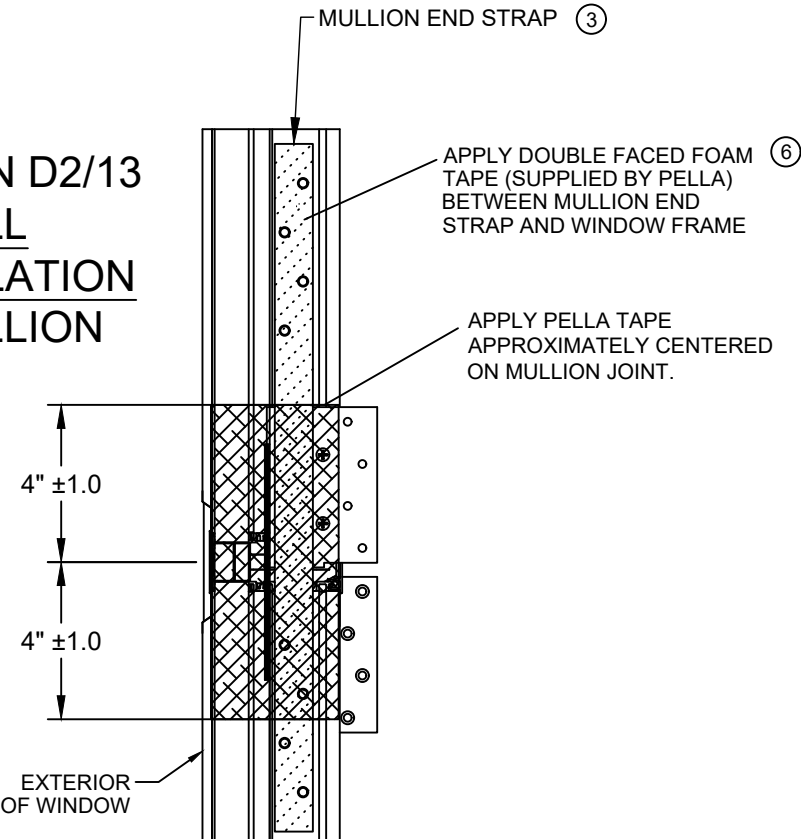
Digitally signed by Robert J Amoruso
Date: 2020.09.11 15:50:26 -04'00'

1" ALUMINUM MULLION - INSTALLATION

SECTION D1/13
HEAD & JAMB
INSTALLATION
1" MULLION



SECTION D2/13
SILL
INSTALLATION
1" MULLION



1" MULLION INSTALLATION ANCHOR SCHEDULE											
CONNECTION											
TYPE	PART NO.	CLIP QUANTITY	ANCHOR QUANTITY	SUBSTRATE	HEAD TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN)	SUBSTRATE CAPACITIES BASED ON
THROUGH FRAME CLIP INSTALLATION	V986951	ONE (1) PER MULLION END	2 ANCHORS PER CLIP	CONCRETE	FLAT HEAD	3/16"	ITW TAPCONS (2)	1-3/4"	1-1/8"	2"	MIN. 2000 PSI CONCRETE
							ELCO CRETE-FLEX SS4	2"	1-7/8"	2"	MIN. 2500 PSI CONCRETE
							HILTI KWIK-CON II	1-1/2"	1-1/8"	2"	MIN. 2500 PSI CONCRETE
				MASONRY (BLOCK/CMU)	FLAT HEAD	3/16"	ITW TAPCONS (2)	1"	2"	3"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT, DENSITY > 117 pcf
							ELCO CRETE-FLEX SS4	1-1/4"	1-7/8"	3"	
							HILTI KWIK-CON II	1"	1-1/8"	3"	
			WOOD (1)	FLAT HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW), GR. 5 ASME B18.6.4 (TAPPING SCREW), GR. 5	1-1/4"	3/4"	3/4"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42	
						1/8" THK. ALUMINUM				FLAT HEAD	NO. 10
1/8" THK. STEEL	FLAT HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5		3/8"	5/8"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER				
4 ANCHORS PER CLIP	20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS	FLAT HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	3/8"	5/8"	ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER			
NAILING FIN (FIN FRAME) CLIP INSTALLATION	V986948 (LH) OR V986949 (RH)	ONE (1) PER MULLION END, EITHER LH OR RH	4 ANCHORS PER CLIP	WOOD (1)	FLAT OR PAN HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW), GR. 5 ASME B18.6.4 (TAPPING SCREW), GR. 5	1-1/2"	3/8"	3/4"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42
				1/8" THK. ALUMINUM	FLAT OR PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	3/8"	5/8"	ALUMINUM 6063-T5 ALUMINUM OR BETTER
				1/8" THK. STEEL	FLAT OR PAN HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW), GR. 5		3/8"	5/8"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER
NOTES:											
1) FOR WOOD AND TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 7/64" HOLE FOR NO. 10 WOOD SCREW AND NO. 10 TAPPING SCREW.											
2) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.											

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE:
SERIES 250 VINYL WINDOW MULLION SYSTEM
1" ALUM. MULLION - INSTALLATION DETAILS AND ANCHOR SCHEDULE

DATE:
3/5/18

DRAWING NO:
PELL0039

SHEET:
13 OF 14

PREPARED BY:
RJA

SCALE:
N.T.S.

REV:
A

DATE:
3/5/18

DESCRIPTION
UPDATED TO 7TH EDITION (2020) FBC

DATE
9/11/20

BY
RA

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE:
SERIES 250 VINYL WINDOW MULLION SYSTEM
1" ALUM. MULLION - INSTALLATION DETAILS AND ANCHOR SCHEDULE

DATE:
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UPDATED TO 7TH EDITION (2020) FBC

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BY
RA

PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE:
SERIES 250 VINYL WINDOW MULLION SYSTEM
1" ALUM. MULLION - INSTALLATION DETAILS AND ANCHOR SCHEDULE

DATE:
3/5/18

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PELL0039

SHEET:
13 OF 14

PREPARED BY:
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DESCRIPTION
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RA

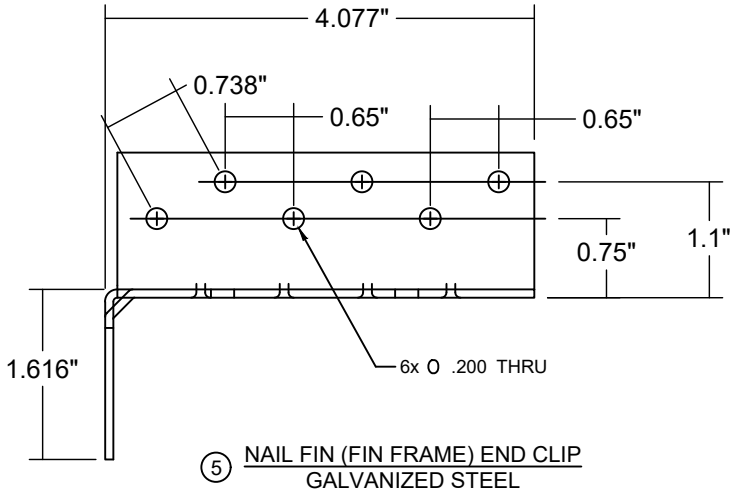
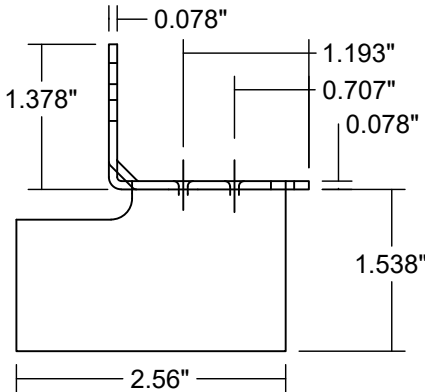
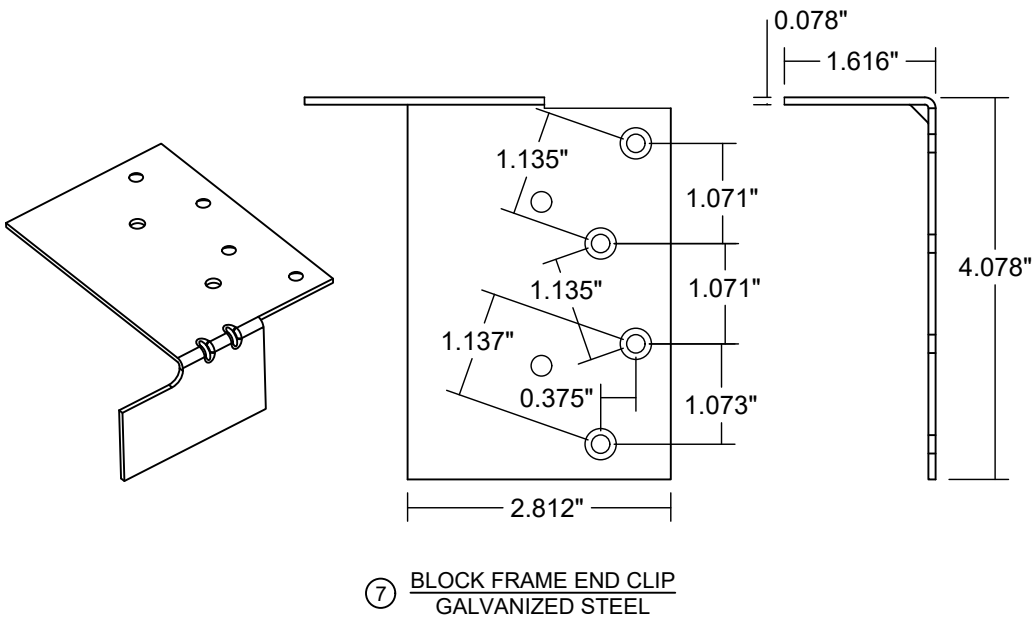
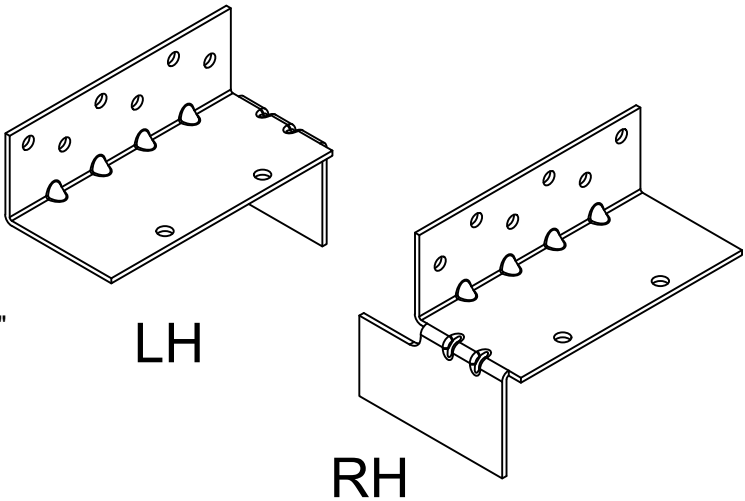
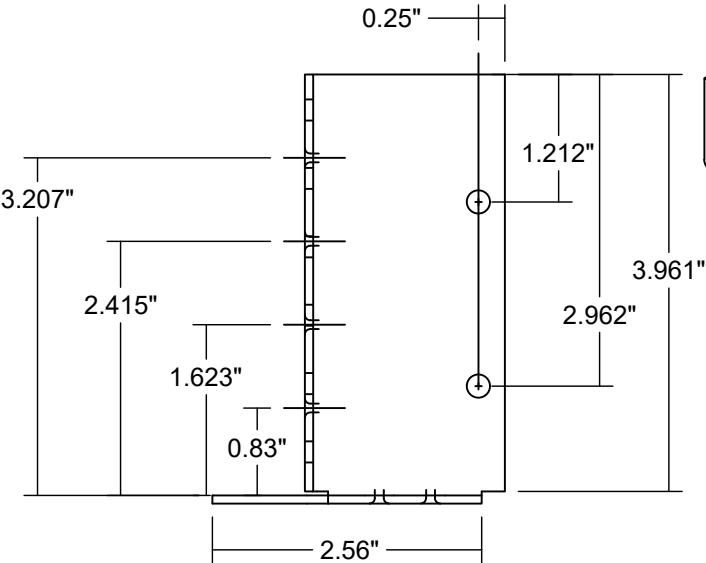
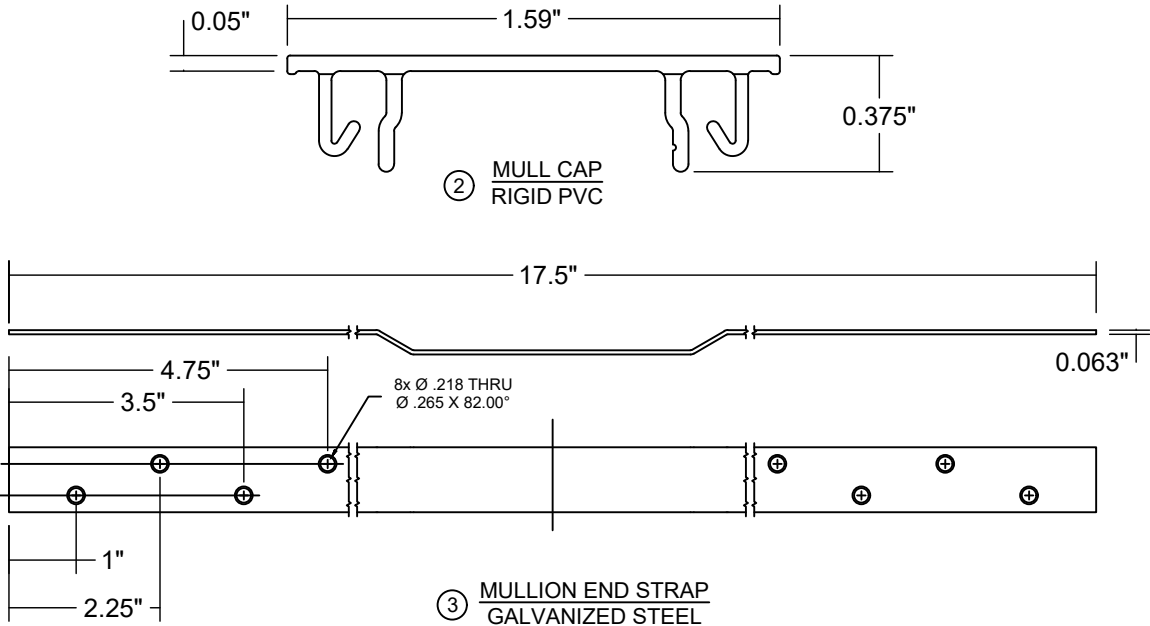
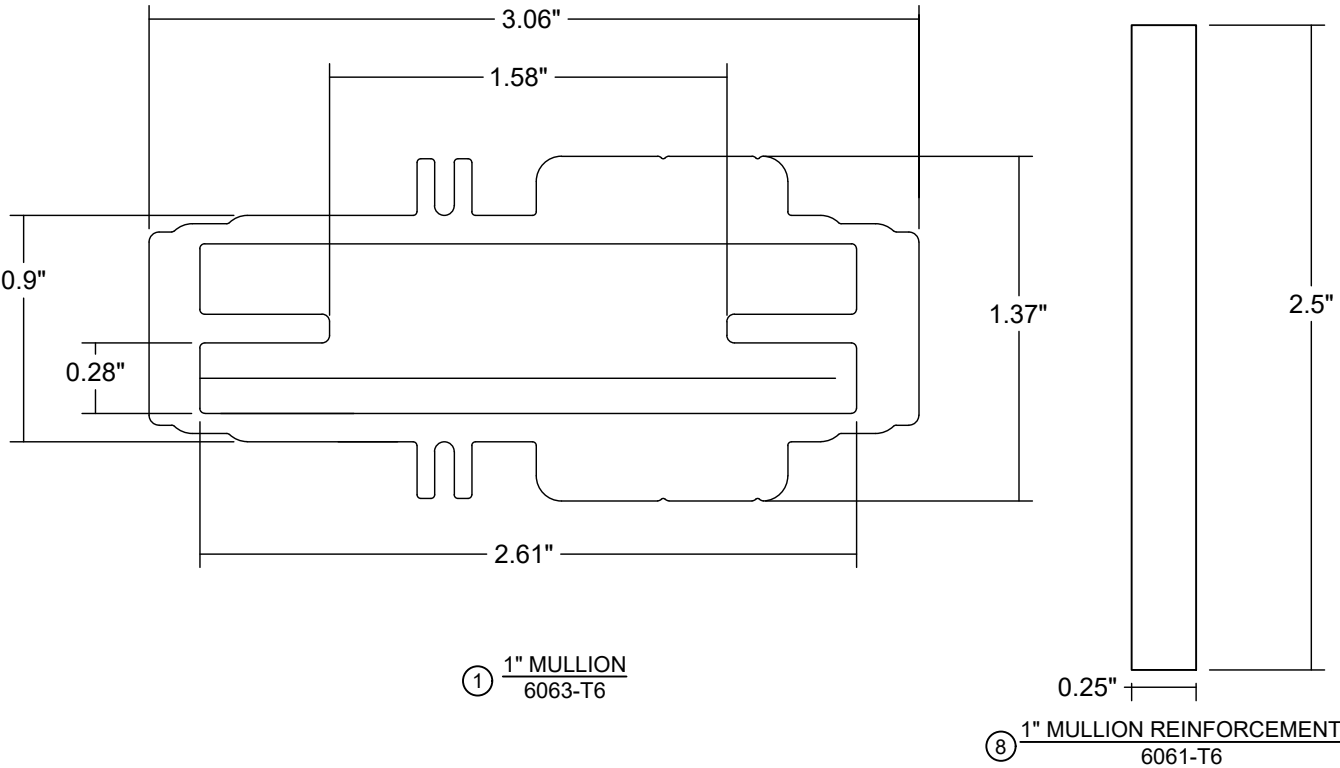
Robert J. Amoruso, P.E.
Florida P.E. No. 49752

Digitally signed by Robert J Amoruso

Date: 2020.09.11 15:50:36 -04'00'

1" ALUMINUM MULLION - COMPONENTS

1" MULLION COMBINATION BILL OF MATERIALS			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
1	DES-000023418	V986947	MULLION, 1", STIFFENER
2	DES-V982703-DFT	---	1" MULLION COVER
3	DES-000024870	V986957	PLATE, MULLION, TRUSS
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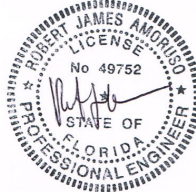
PROJECT # 420-0804

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 250 VINYL WINDOW MULLION SYSTEM
1" ALUMINUM MULLION - COMPONENTS

DRAWN BY: RJA	DATE: 3/5/18	DRAWING NO: PELL0039	SHEET: 14 OF 14
SCALE: N.T.S.	REV: A		

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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Robert J Amoruso
Date: 2020.09.11
15:50:48 -04'00'