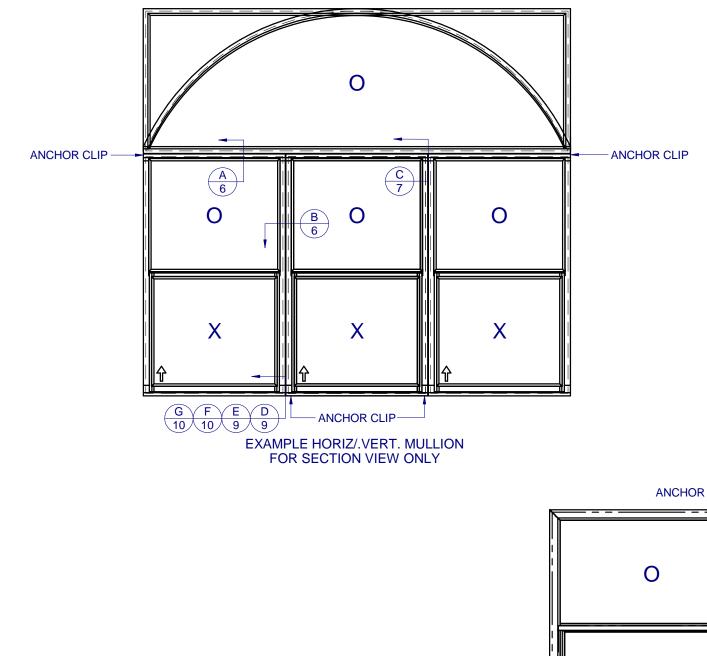
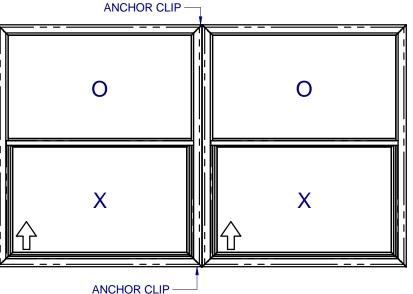
4" PVC MULL BAR - LARGE MISSILE IMPACT SHOWN W/DIFFERENT OPTIONS



GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
- 2. CONFIGURATIONS (SEE SHEETS 2-3): VERTICAL OR HORIZONTAL.
- 3. SEE MULLION CHARTS FOR MAX. DESIGN PRESSURES AND LENGTH. (REFER TO SHEETS 2-3)
- 4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 9-10 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5. PRODUCT APPROVED FOR IMPACT RESISTANCE. USE OF SHUTTER IS NOT REQUIRED.
- 6. DESIGN PRESSURE OF MULLED UNITS SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNITS.
- 7. DESIGN PRESSURES AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
- 8. RESPONSIBILITY OF SELECTING FENESTRATION PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFTEY REQUIREMENTS RESTS SOLEY WITH THE ARCHITECT, ENGINEER OF RECORD, BUILDING OWNER OR CONTRACTOR.
- 9. SINGLE UNITS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. SINGLE UNITS TO BE MULLED TOGETHER MUST BE MANUFACTURED BY CUSTOM WINDOW SYSTEMS, INC. AND MUST BE MADE OUT OF VINYL PVC OR EXTRUDED ALUMINUM.
- 10. VERTICAL MULLED UNITS MAY BE MULLED INDEFINITELY AS LONG AS THE SINGLE UNIT WIDTH AND HEIGHT ARE NOT EXCEEDED, AND MULLIONS ARE ANCHORED AS SHOWN HERE IN.
- 11. HORIZONTAL MULLION SHALL EXTEND THE ENTIRE WIDTH OF THE MULLED UNIT. VERTICAL MULLION IS USED TO MULL SIDE BY SIDE UNITS TOGETHER.



EXAMPLE VERTICAL MULLION FOR PVC WINDOWS FOR SECTION VIEWS ONLY

TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS	
DP CHARTS	2-3
BOM & EXTRUSIONS	4
EXTRUSIONS	5
SECTION VIEWS	6-7
CONFIGURATIONS & ANCHOR NOTES	8
INSTALLATION DETAILS9	-10

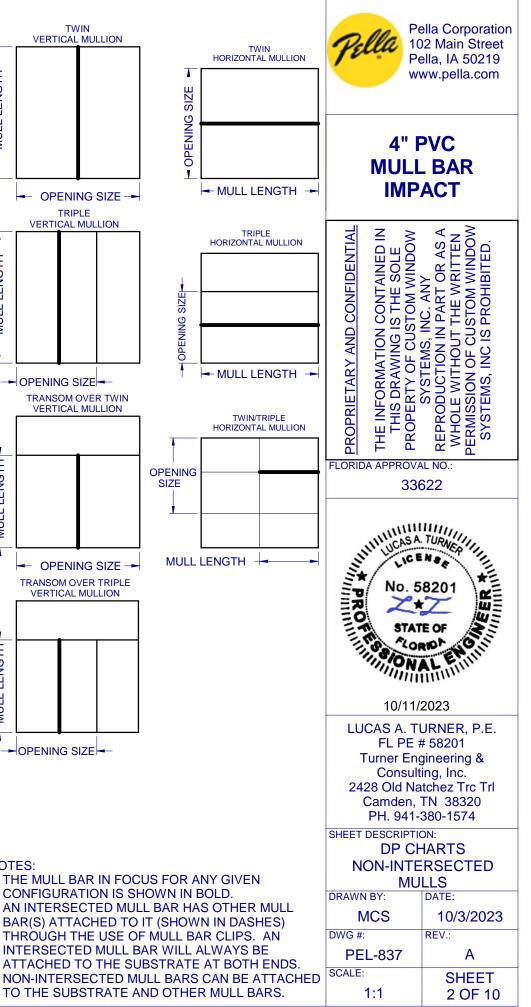


Pella Corporation 102 Main Street Pella, IA 50219 www.pella.com

4" PVC MULL BAR IMPACT



	Design F	ressure Cha	rt, PSF, for N	lon-Intersect	ed Impact PV	C4" Mullion	H-1759, With	1522 clips us			or masonry a	anchors per	each end of	mullion. See	note below	chart for furt	her anchora	ge informatio	n.	li	
		39	45	51	57	63	69	75 3/8	81	87	93	99	107 3/8	114	120	126	132	138	145 3/8	l i	TWIN VERTICAL MULI
	48 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	l i Ŧ	
	53 1/8	120.0	120.0	120.0	120.0	120.0	120.0	118.6	115.1	112.3	110.3	109.1	108.6	108.6	108.6	108.6	108.6	108.6	108.6	ΪË	
(-mi)	57 63	120.0 120.0	120.0 120.0	120.0 119.6	120.0 110.3	117.9 102.9	111.7 97.1	106.5 92.1	102.9 88.5	99.9 85.4	97.6 82.9	96.0 80.9	94.6 78.9	94.3 77.9	94.3 77.4	94.3 77.2	94.3 70.0	94.3 70.0	70.0 70.0	61	
	68	120.0	120.0	108.8	100.0	93.1	87.5	82.7	79.2	76.2	73.6	71.6	69.3	68.1	67.2	66.6	66.3	66.3	66.3	.5NET	
	72	120.0	112.1	100.0	93.1	86.5	81.1	76.5	73.1	70.1	67.6	65.5	63.2	61.8	60.8	60.0	59.5	59.2	00.0		
	76	118.6	105.2	95.0	87.1	80.7	75.6	71.1	67.9	64.9	62.5	60.4	58.1	56.6	55.5	54.7	54.0				
	80	70.0	70.0	70.0	70.0	70.0	70.0	66.5	63.3	60.5	58.1	56.0	53.7	52.2	51.1	50.1					
	84	70.0	70.0	70.0	70.0	70.0	66.5	62.4	59.3	56.6	54.2	52.2	49.9	48.4	47.3						
	88	70.0	70.0	70.0	70.0	67.3	62.8	58.8	55.8	53.2	50.9	48.9	46.7	45.2						1!	
	92	70.0	70.0	70.0	69.1	63.8	59.4	55.6	52.7	50.1	47.9	46.0	43.8								
	96	70.0	70.0	70.0	65.8	60.6	56.4	52.7	49.9	47.4	45.3	43.4	41.3							1	TRIPLE VERTICAL MUL
1	N-INTERS 522 CLIP (4) #10 S (4) 3/16" (4) 1/4"	'S SCREWS I ITW TAI DEWAL	S INTO W PCONS o T ULTRA	OOD or DEWA CON+ II	METAL LT ULTR NTO HOL	ACON+ LOW or	INTO SC GROUT-	DLID CON FILLED E	ICRETE BLOCK	or WOOI 	D										
_	Design I	Pressure Cha	art, PSF, for I	Non-Intersec	ted Impact P	VC 4" Mullion	H-1759, with	n 1767 clips u		#10 screws OPENING	ormasonrya	nchors per e	each end of n	nullion. See	note below o	hart for furt	ner anchorag	e informatior	ו.		
		39	45	51	57	63	69	75 3/8	81	87	93	99	107 3/8	114	120	126	132	138	145 3/8		OPENING SIZE
-	48 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		TRANSOM OVE
	53 1/8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		VERTICAL MU
	57	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	70.0		
	63	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	117.5	116.0	115.2	114.9	70.0	70.0	70.0		
	68	120.0	120.0	120.0	120.0	120.0	120.0	120.0	117.9	113.4	109.6	106.5	103.2	101.3	100.0	70.0	70.0	70.0	70.0	l i ∔-	·
	72	120.0	120.0	120.0	120.0	120.0	120.0	113.9	108.8	104.3	100.6	97.5	94.1	70.0	70.0	70.0	70.0	70.0		NGTH	
	76 80	120.0 70.0	120.0 70.0	120.0 70.0	120.0 70.0	120.0 70.0	112.5 70.0	105.9 70.0	101.0 70.0	96.7 70.0	93.0 70.0	89.9 70.0	86.4 70.0	70.0 70.0	70.0 70.0	70.0	70.0				
	84	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0					
	88	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.5	67.3	70.0						
	92	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	68.5	65.2							∣≥	
	96	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.0	65.3	62.2	58.5								
01 1 -	CHART IS N-INTERS 767 CLIP (6) #10 S (6) 3/16" (6) 1/4" 	SECTED PS SCREWS TTW TAI DEWAL	S INTO W PCONS o T ULTRA	OOD or DEWA CON+ IN	METAL ILT ULTR NTO HOL	ACON+ LOW or	INTO SC GROUT-	DLID CON FILLED E	ICRETE BLOCK	or WOOI	,		each end of					— — —	— — —	LENGTH	TRANSOM OVER VERTICAL MUL
_					ou inpuori r	0 1 11010111		or enpe dem			i SIZE (in.)	accorr por						90 01112.10			
		39	45	51	57	63	69	75 3/8	81	87	93	99	107 3/8	114	120	126	132	138	145 3/8	¥ ا	
	48 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
	53 1/8	120.0 120.0	120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 120.0	120.0 70.0	' ' -	
	57 63	120.0	120.0 120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	70.0	70.0	70.0		
	68	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	70.0	70.0	70.0	70.0		
	72	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	116.7	112.6	70.0	70.0	70.0	70.0	70.0	10.0		
	76	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	115.7	111.3	107.6	103.5	70.0	70.0	70.0	70.0			l I	
	80	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0					
	84	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0					1	
	88	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0							
	92	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.2								HE MULL BAR
	96	70.0 S FOR:	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.0	65.3	62.2	58.5							2. A	N INTERSECT AR(S) ATTACH



										OPENING	SIZE (in.)								
		39	45	51	57	63	69	75 3/8	81	87	93	99	110 3/8	114	120	126	132	138	145 3/8
	37	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	118.3	106.6	103.4	98.5	94.0	89.9	86.2	82.0
€ [42 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	114.3	107.4	101.3	91.6	88.9	84.6	80.8	77.3	74.1	70.5
	48 3/4	120.0	120.0	120.0	120.0	120.0	120.0	112.9	105.8	99.1	93.3	88.0	79.6	77.2	73.6	70.4	67.4	64.6	61.4
Εſ	53 1/8	120.0	120.0	120.0	120.0	120.0	111.1	102.7	96.3	90.3	85.0	80.3	72.6	70.4	67.1	64.2	61.5	59.0	56.2
ž [57	120.0	120.0	120.0	120.0	111.2	102.8	95.0	89.1	83.6	78.7	74.3	67.3	65.3	62.3	59.5	57.0	54.7	52.1
٦ <u>۲</u>	63	120.0	120.0	118.6	108.1	99.3	91.8	85.0	79.7	74.8	70.5	66.6	60.4	58.6	56.0	53.5	51.2		
ן ב	68	120.0	120.0	108.4	98.9	90.9	84.2	78.0	73.2	68.7	64.8	61.3	55.5	53.9	51.5				
₹ [72	120.0	112.1	101.4	92.5	85.1	78.8	73.1	68.6	64.5	60.8	57.5	52.2	50.7					
- r	75 3/8	119.7	106.2	95.9	87.7	80.7	74.8	69.4	65.2	61.3	57.8	54.7	49.6						

DP CHART IS FOR:

INTERSECTED IMPACT 4" MULLION 1759, HORIZONTAL OR VERTICAL, USING (PER END):

1522 CLIPS

- (4) #10 SCREWS INTO WOOD or METAL

- (4) 3/16" ITW TAPCONS or DEWALT ULTRACON+ INTO SOLID CONCRETE or WOOD

- (4) 1/4" DEWALT ULTRACON+ INTO HOLLOW or GROUT-FILLED BLOCK

Design Pressure Chart, PSF, for Intersected Impact PVC 4" Mullion H-1759, with 1767 clips using six (6) #10 screws or masonry anchors per each end of mullion. See note below chart for further anchorage information.

										OPENING	SIZE (in.)								
		39	45	51	57	63	69	75 3/8	81	87	93	99	110 3/8	114	120	126	132	138	145 3/8
	37	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
<u>i</u>	42 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	115.1	110.3	105.0
Ξ H	48 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	118.5	114.9	109.6	104.7	100.3	96.1	91.5
Ē	53 1/8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	119.5	108.1	104.9	100.0	95.5	91.5	87.8	83.6
Ž	57	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	117.1	110.7	100.2	97.2	92.7	88.6	84.8	81.4	77.6
1	63	120.0	120.0	120.0	120.0	120.0	120.0	120.0	118.7	111.4	105.0	99.2	89.9	87.3	83.3	79.6	76.2		
	68	120.0	120.0	120.0	120.0	120.0	120.0	116.1	109.0	102.3	96.5	91.2	82.7	80.3	76.6				
ΙĒ	72	120.0	120.0	120.0	120.0	120.0	117.3	108.8	102.2	96.0	90.5	85.6	77.7	75.4					
	75 3/8	120.0	120.0	120.0	120.0	120.0	111.3	103.3	97.0	91.2	86.0	81.4	73.9						

DP CHART IS FOR:

INTERSECTED IMPACT 4" MULLION 1759, HORIZONTAL OR VERTICAL, USING (PER END):

1767 CLIPS

- (6) #10 SCREWS INTO WOOD or METAL

- (6) 3/16" ITW TAPCONS or DEWALT ULTRACON+ INTO SOLID CONCRETE or WOOD

- (6) 1/4" DEWALT ULTRACON+ INTO HOLLOW or GROUT-FILLED BLOCK

										OPENING	SIZE (in.)								
		39	45	51	57	63	69	75 3/8	81	87	93	99	110 3/8	114	120	126	132	138	145 3/8
-	37	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Ĺ.	42 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Ť	48 3/4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	115.1	109.5
Ε	53 1/8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	119.7	114.3	109.5	105.1	100.1
ž	57	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	116.4	111.0	106.0	101.6	97.4	92.8
Ξ	63	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	118.8	107.6	104.5	99.7	95.3	91.2		
	68	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	115.5	109.2	99.0	96.1	91.7				
N N	72	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	115.0	108.3	102.5	93.0	90.3					
	75 3/8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	116.2	109.2	103.0	97.4	88.4						

DP CHART IS FOR:

INTERSECTED IMPACT 4" MULLION 1759, HORIZONTAL OR VERTICAL, USING (PER END):

1767 CLIPS

- (6) #12 SCREWS INTO WOOD or METAL

- (6) 1/4" DEWALT ULTRACON+ INTO SOLID CONCRETE or WOOD



LENGTH

MULL

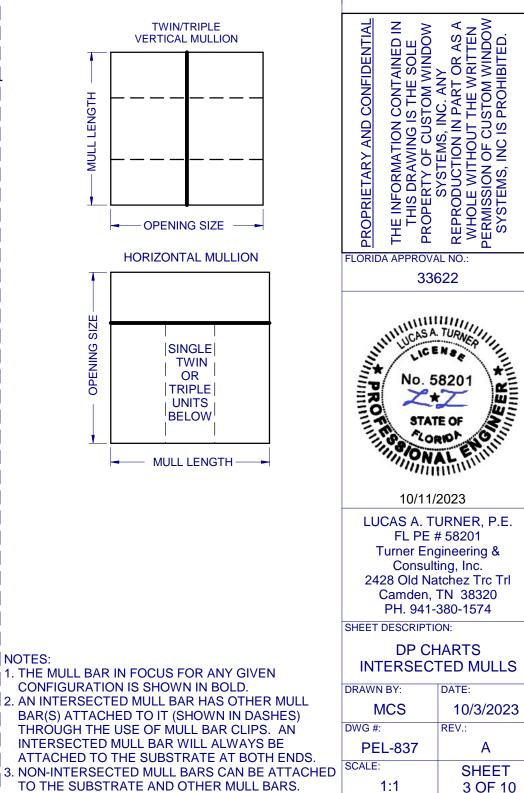
OPENING SIZE



Pella Corporation 102 Main Street Pella, IA 50219 www.pella.com

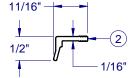
А

4" PVC MULL BAR IMPACT



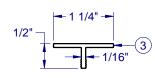
ITEM	PART #	DESCRIPTION
1	H-1759	MULL, 1 3/8" x 4", FLAT, PVC
2	S-1895	DRIP ADAPTER, HORZ, FLG
3	S-1896	FLANGE ADAPTER, VERT, FLG
4	S-6018	MULL COVER, EXT, FIN/BOX
5	F-1522-014	RETRO FIT MULL ANCHOR CLIP, FLG/BOX
6	F-1522-027	MULL ANCHOR CLIP, FIN
7	F-1767-002	L-ANGLE 4" MULL CLIP, STANDARD
8	F-1767-005L	L-ANGLE 4" MULL CLIP, FIN, LEFT
9	F-1767-005R	L-ANGLE 4" MULL CLIP, FIN, RIGHT
10	F-1767-007L	L-ANGLE 4" MULL CLIP, RETRO FLANGE, LEFT, FLG/BOX
11	F-1767-007R	L-ANGLE 4" MULL CLIP, RETRO FLANGE, RIGHT, FLG/BOX
12		#10 x 1 1/2", PANHEAD PHILIPS ZINC
13		#10 FLAT WASHER
14		CAULK
15		#10 OR #12 HEX WASHER HEAD TEK SCREW *(see note below)
16	S-1898	4" HORIZ. MULLION CLIP, PVC, INTERSECTING
18		#10 HEX WASHER HEAD TEK SCREW
19		#10 FH TEK SCREW

* USE WOOD SCREW SIZE (#10 OR #12), SPECIFIED IN WINDOW UNIT APPROVAL DOCUMENT





DRIP ADAPTER S-1895



3 1/2" 57 (16) 1 1/16" 1/8

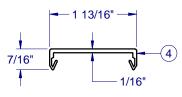
> 4" HORIZ. MULLION CLIP S-1898 4 1/4'

> > 1/8" -

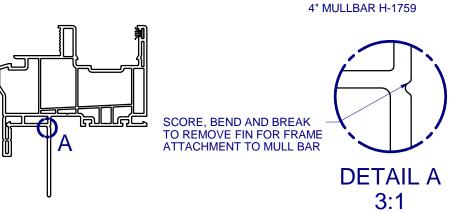
- 3/16"

ß

FLANGE ADAPTER S-1896



PVC MULL COVER-6018

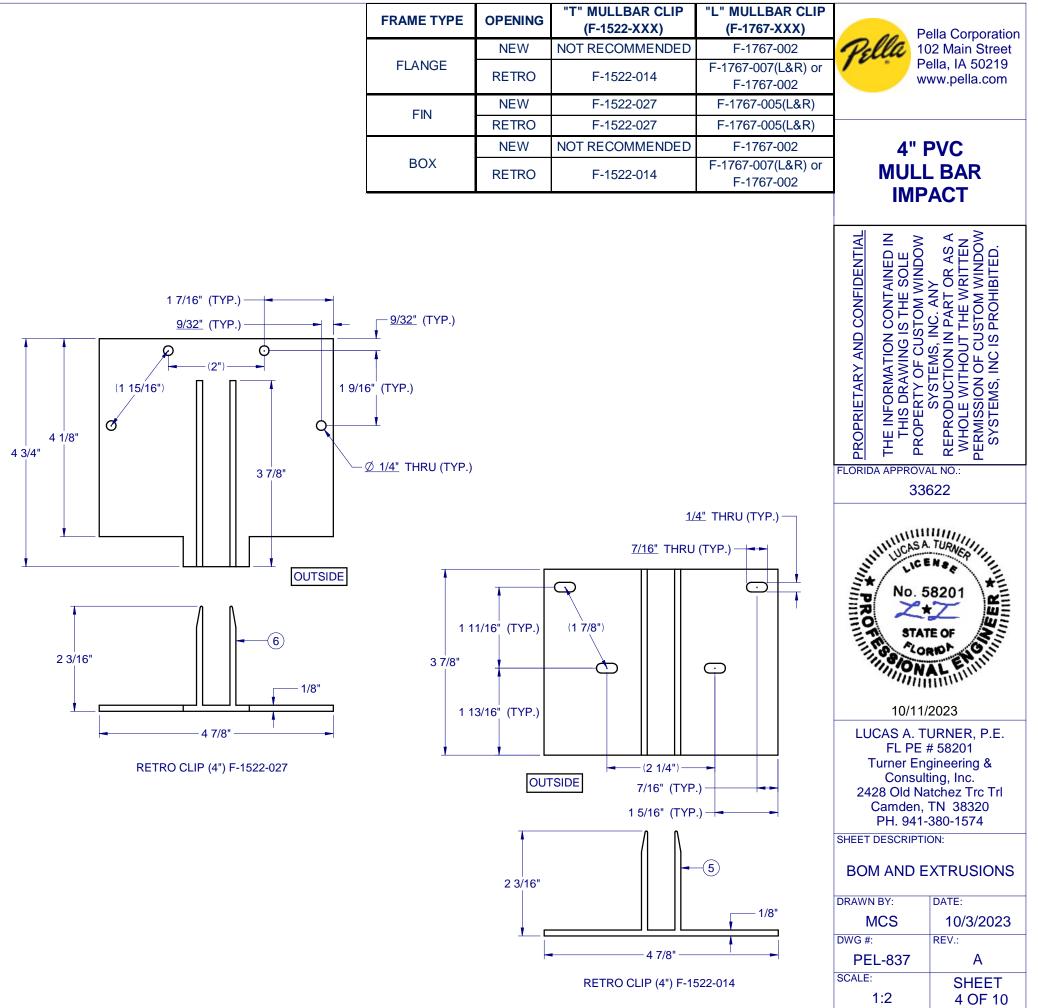


1 3/8"

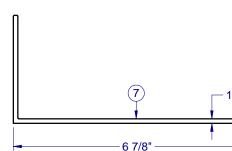


NOTE: ALL EXTRUSIONS ARE ALUMINUM 6063-T6 UNLESS OTHERWISE NOTED.

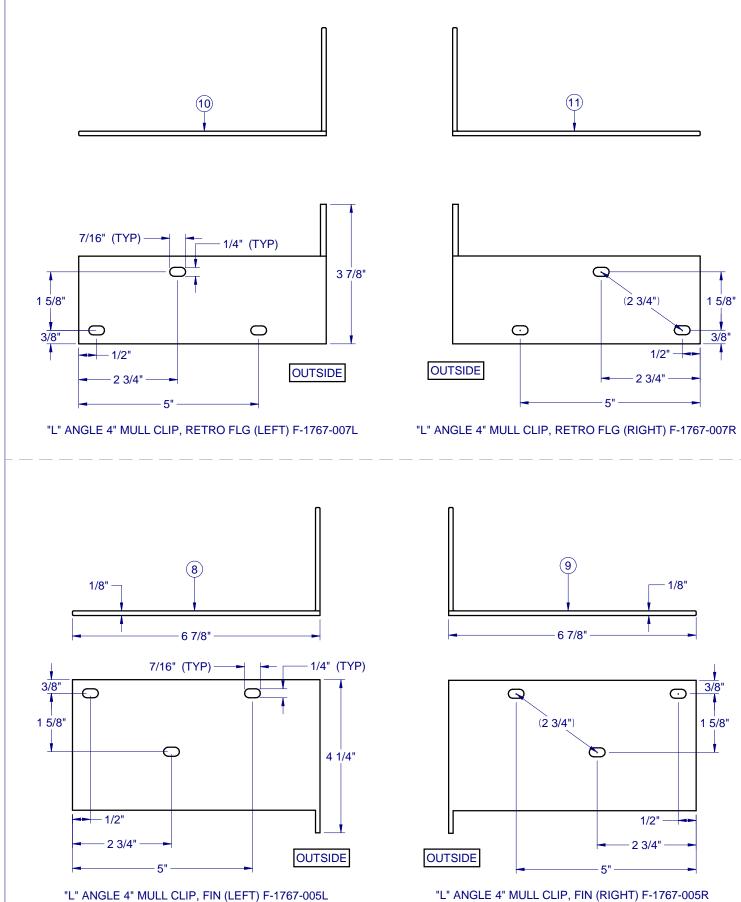
FRAME TYPE	OPENING	"T" MUL (F-152
	NEW	NOT RECO
FLANGE	RETRO	F-15
FIN	NEW	F-15
FIIN	RETRO	F-15
	NEW	NOT RECO
BOX	RETRO	F-15



FLANGE NEW NOT RECOMMENDED F-1767-002 PURP 14 50219 Purp 16 14 50219 FIN NEW F-1522-027 F-1767-002(LRR) or F-1767-002(LRR) or F-1767-002(LRR) or F-1767-002 4" PVC MULL BAR IMPACT BOX NEW NOT RECOMMENDED F-1767-002(LRR) or F-1767-002 4" PVC MULL BAR IMPACT BOX RETRO F-1522-014 F-1767-002(LRR) or F-1767-002 4" PVC MULL BAR IMPACT W11 and W0 State 12 Or MARY 24 ULT MO W12 State 12 Or MARY 24 ULT MARY 24 ULT MO W12 State 12 Or MARY 24 ULT MARY	FRAME TYPE	OPENING	"T" MULLBAR CLIP (F-1522-XXX)	"L" MULLBAR CLIP (F-1767-XXX)	P	ella Corporation
RETRO F-1522-014 T. P-1767-002 FIN NEW F-1522-027 F-1767-005(L&R) BOX NETRO F-1522-027 F-1767-002(L&R) BOX RETRO F-1522-014 F-1767-002(L&R) BOX RETRO F-1522-014 F-1767-002(L&R) WULL BAR MULL BAR MPACT WULL BAR WWW.pella.com WULL BAR WOOR WOOL STREED WULL BAR WULL BAR MPACT WULL BAR WULL BAR WULL BAR WUNC Street WULL Street		NEW	NOT RECOMMENDED	F-1767-002	Pella 1	02 Main Street
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BOX RETRO F-1522-014 F-1767-007(L&R) or F-1767-002 MULL BAR IMPACT MULL BAR IMPACT No S S NO S		NEW	NOT RECOMMENDED	F-1767-002	⊿ "	PVC
P-1767-302 IMPACT Impact Impact Impact <td>BOX</td> <td>DETDO</td> <td>E 1500 011</td> <td>F-1767-007(L&R) or</td> <td></td> <td></td>	BOX	DETDO	E 1500 011	F-1767-007(L&R) or		
Image: Second		REIRU	F-1522-014	F-1767-002		
Image: Construction of the second					ROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW	EMS, I ION IN DF CU NC IS
7 1/8" 6 7/16" (TYP.) 7/16" (TYP.) 10/11/2023 LUCAS A. TURNER, P.E. FL PE # 58201 Turner Engineering & Consulting, Inc. 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574 SHEET DESCRIPTION: EXTRUSIONS DRAWN BY: 0UTSIDE 27/16" (2X) 27/16" (2X) 7/16" (1/2" (2X)					FLORIDA APPROV	AL NO.:
7/16" (TYP.) 1/4" (TYP.) LUCAS A. TURNER, P.E. FL PE # 58201 Turner Engineering & Consulting, Inc. 19/16" (TYP.) /8" (27/8") 19/16" 3/8" (2X) OUTSIDE 27/16" (2X) 1/2" (2X)		(7) 	1/8"		PROFESSION	
/8" FL PE # 58201 /8" 1 9/16" (TYP.) (2 7/8") 1 9/16" 2 7/8") 1 9/16" EXTRUSIONS DUTSIDE 2 7/16" (2X) - 2 7/16"					10/11	/2023
OUTSIDE 2 7/16" (2X) 1/2" (2X) DATE: MCS 10/3/2023	8" 	O		(TYP.)	FL PE Turner En Consul 2428 Old Na Camden, PH. 941-	# 58201 gineering & ting, Inc. atchez Trc Trl TN 38320 -380-1574
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OUTSIDE - 2 7/16" (2X) - 2 7/16" - 1/2" (2X) MCS 10/3/2023	Ø		1 J/8" (۲۸)		
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		7/16" (2X) 		X)	MCS	10/3/2023
PEL-837 A			2 7/16" 1/2" (2	Х)	MCS DWG #:	10/3/2023 REV.:
SCALE: SHEET 1:2 5 OF 10			2 7/16" 1/2" (2	X)	MCS	10/3/2023 REV.: A



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(WOOD CONSTRUCTION ONLY)

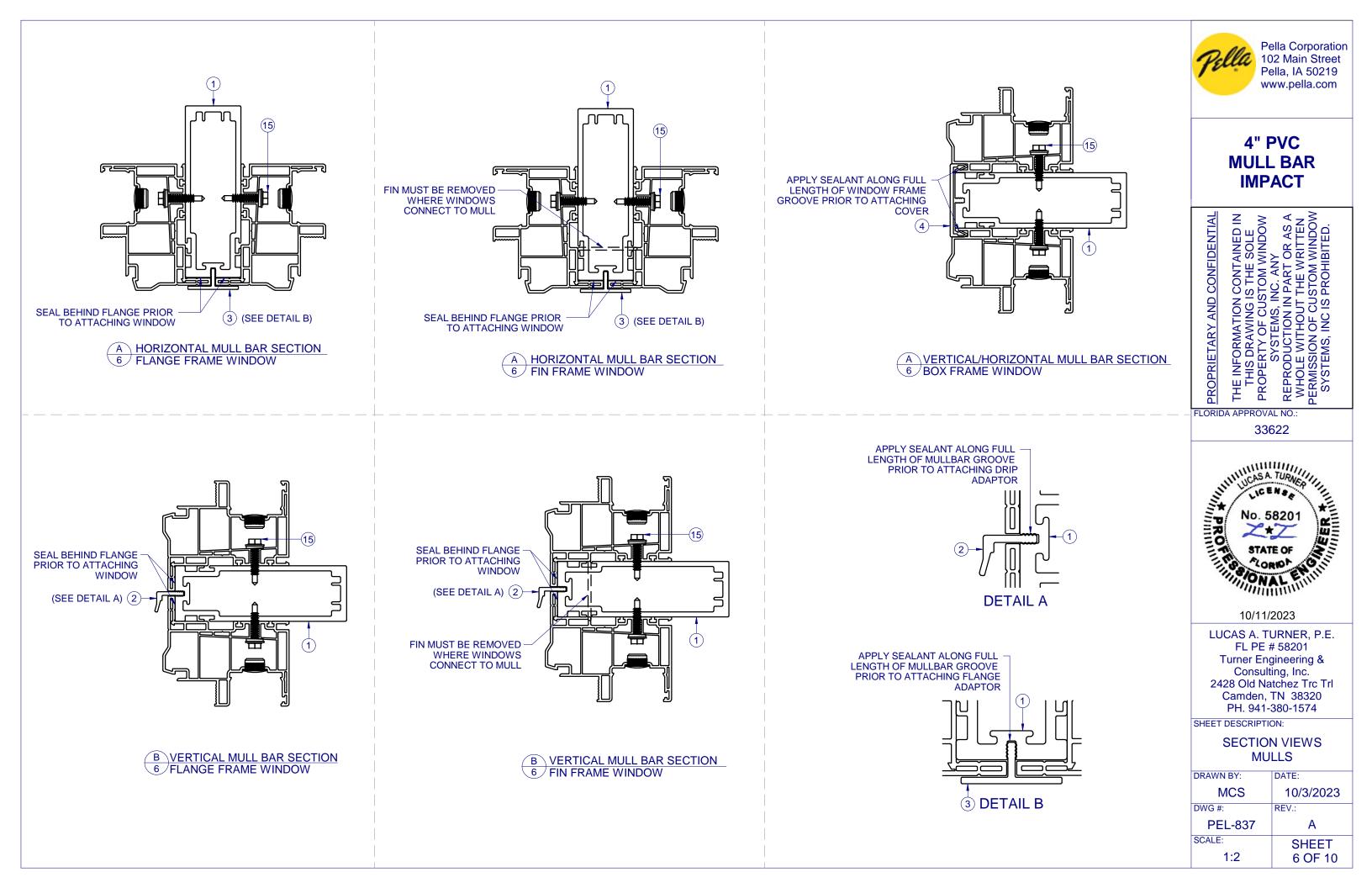
3/8'

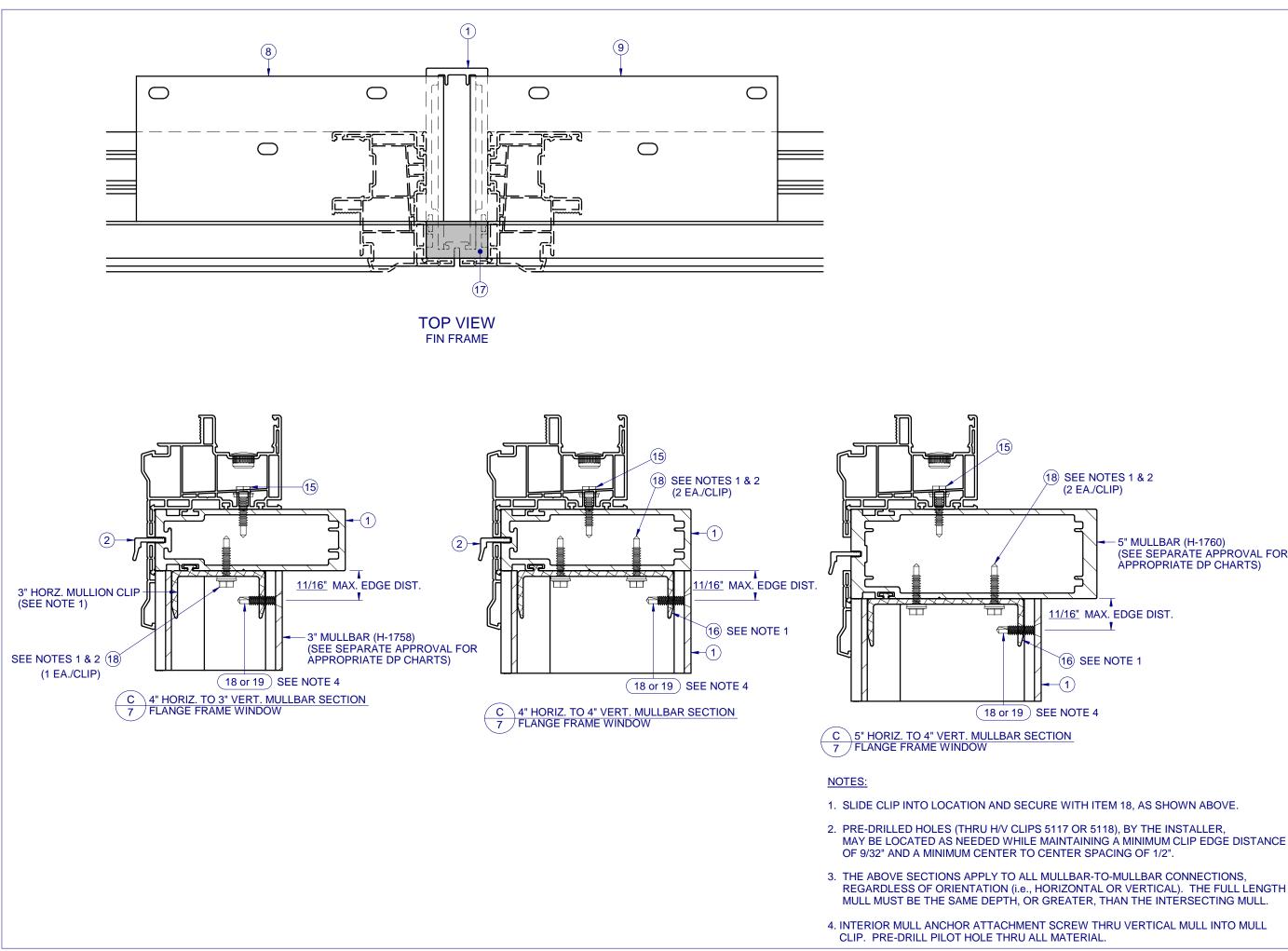
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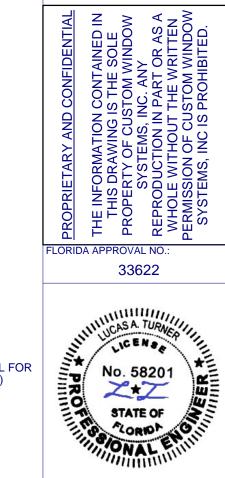






Pella Corporation 102 Main Street Pella, IA 50219 www.pella.com

4" PVC MULL BAR IMPACT



10/11/2023

LUCAS A. TURNER, P.E. FL PE # 58201 **Turner Engineering &** Consulting, Inc. 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574 SHEET DESCRIPTION:

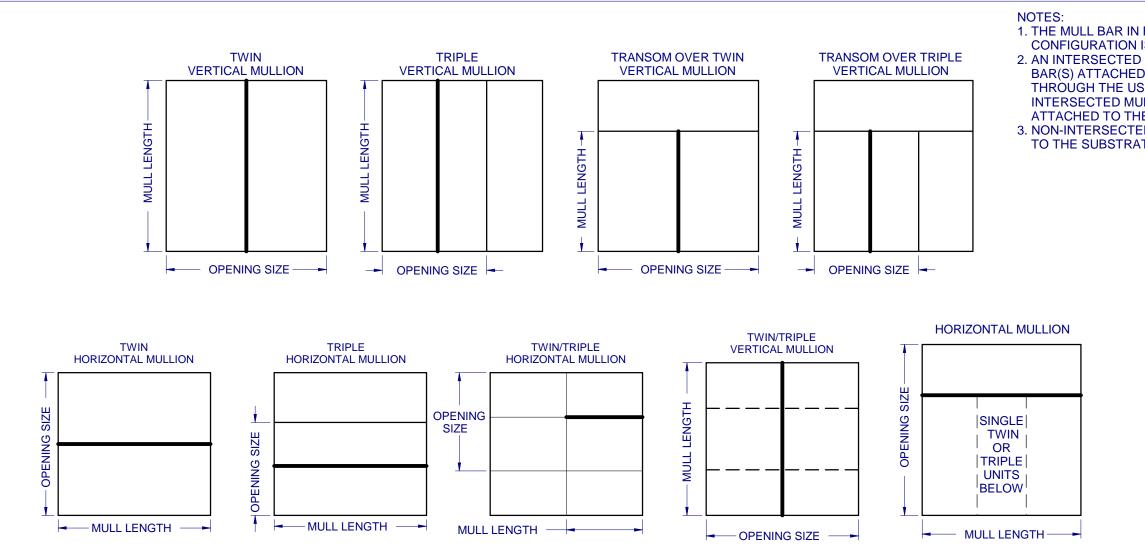
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DRAWN BY:	DATE:
MCS	10/3/2023
DWG #:	REV.:
PEL-837	А
SCALE:	SHEET
1:2	7 OF 10

5" MULLBAR (H-1760) (SEE SEPARÀTE APPROVAL FOR ÀPPROPRIATE DP CHARTS)

11/16" MAX. EDGE DIST.

(16) SEE NOTE 1



NOTES:

- 1. AT MULLION LOCATION, ATTACH WINDOW UNIT(S) TO MULLBAR THRU FRAME AS SPECIFIED IN WINDOW UNIT APPROVAL DOCUMENTS. IF ALUMINUM ATTACHMENT IS NOT SPECIFIED IN THE WINDOW UNIT APPROVAL DOCUMENTS, FOLLOW THE ANCHOR SPACING AS INDICATED IN THE WINDOW APPROVAL FOR ATTACHMENT TO WOOD SUBSTRATE, USING A HEX WASHER HEAD TEK SCREW OF THE SAME SIZE (#10 OR #12) AS THE WOOD SCREW INDICATED IN THE WINDOW APPROVAL. TEK SCREWS SHALL BE LONG ENOUGH TO ENSURE THREE (3) THREADS OF PENETRATION BEYOND THE INSIDE WALL OF MULLBAR.
- 2. MULL CLIP INSTALLATION ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 9,
- 3. ALL MULL CLIP INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
- 4. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1. SHEET 9.
- 5. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE 1X BUCKS ARE OPTIONAL.
- 6. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED AS INDICATED BY THE PRE-DRILLED HOLES AS SHOWN IN THE CLIP LAYOUTS ON SHEETS 4-5.
- 7. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1. SHEET 9. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
- 8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS: FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

1. THE MULL BAR IN FOCUS FOR ANY GIVEN CONFIGURATION IS SHOWN IN BOLD. 2. AN INTERSECTED MULL BAR HAS OTHER MULL BAR(S) ATTACHED TO IT (SHOWN IN DASHES) THROUGH THE USE OF MULL BAR CLIPS. AN INTERSECTED MULL BAR WILL ALWAYS BE ATTACHED TO THE SUBSTRATE AT BOTH ENDS. 3. NON-INTERSECTED MULL BARS CAN BE ATTACHED TO THE SUBSTRATE AND OTHER MULL BARS.



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4" PVC MULL BAR IMPACT

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LUCAS A. TI FL PE # Turner Eng Consult 2428 Old Na Camden, PH. 941-3 SHEET DESCRIPTIO CONFIGURA ANCHORA	2023 JRNER, P.E. # 58201 gineering & ing, Inc. tchez Trc Trl TN 38320 380-1574 DN: ATIONS AND GE NOTES DATE:

SCALE: 1:1

SHEET 8 OF 10

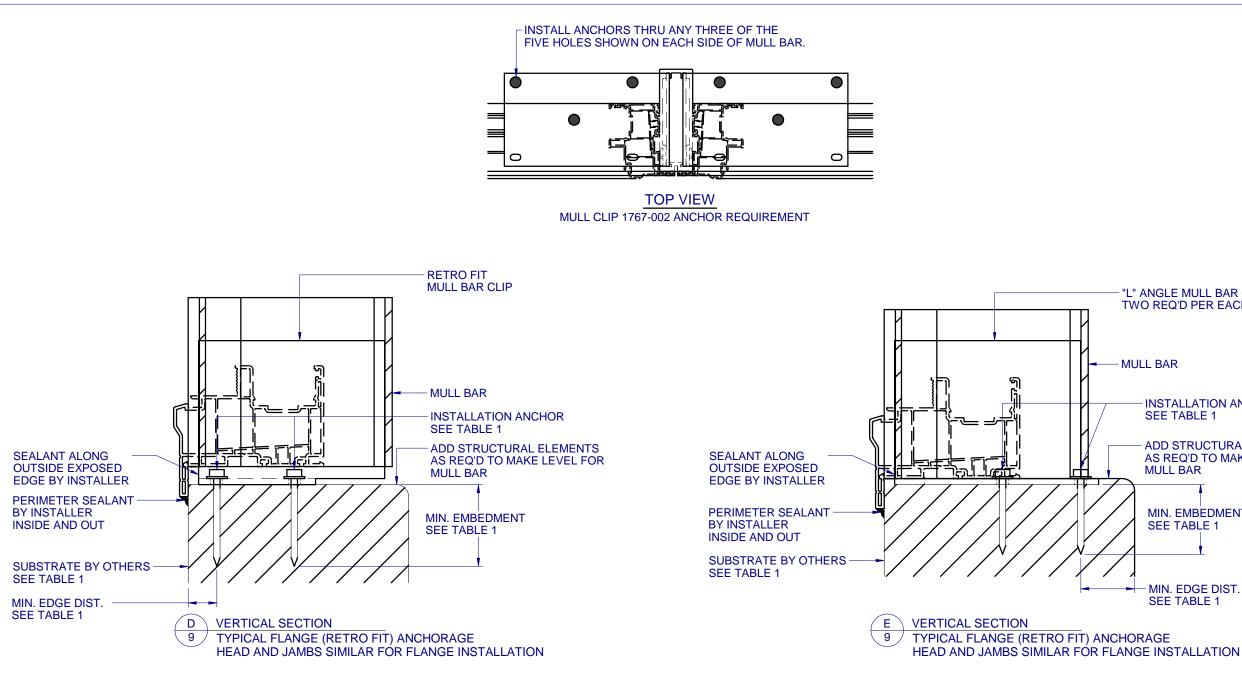


TABLE 1: APPROVE	D MULL CLIP INSTALLATION FAS	TENERS	
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	3"
CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
HOLLOW or GROUT-FILLED CMU (ASTM C-90) or 1767 CLIP INTO SOLID CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR DEWALT ULTRACON+	1-3/8"	7/8"
2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"

NOTES:

- 1. BOX FRAME MULL INSTALLATION SIMILAR TO FLANGE FRAME.
- 2. SILL STOOL MUST BE FLUSH AGAINST INSIDE OF MULLED WINDOWS AFTER INSTALLATION.
- 3. RECESS RETRO MULLION CLIP 3/8" MAX. FOR CLEARANCE OF WINDOW UNIT AS NEEDED.
- 4. FOUR (4) ANCHORS REQUIRED PER "T" MULL CLIP, SEE SHEETS 2-3 THREE (3) ANCHORS REQUIRED PER "L" MULL CLIP, SEE SHEETS 2-3.
- 5. SEAT MULLION TIGHT TO MULL CLIP.
- 6. FOR ANCHORAGE DETAILS FOR THE WINDOW, REFER TO THE WINDOW SPECIFIC INSTALLATION DETAILS.



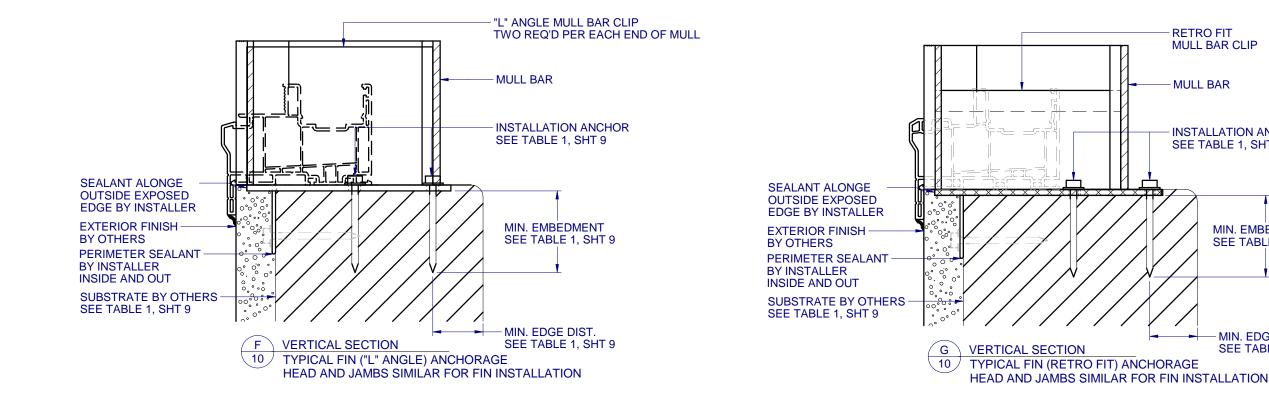
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4" PVC MULL BAR IMPACT

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1:2

9 OF 10



NOTES:

- 1. SILL STOOL MUST BE FLUSH AGAINST INSIDE OF MULLED WINDOWS AFTER INSTALLATION.
- 2. RECESS RETRO MULLION CLIP 3/8" MAX. FOR CLEARANCE OF WINDOW UNIT AS NEEDED.
- 3. FOUR (4) ANCHORS REQUIRED PER "T" MULL CLIP, SEE SHEETS 2-3. THREE (3) ANCHORS REQUIRED PER "L" MULL CLIP, SEE SHEETS 2-3.
- 4. SEAT MULLION TIGHT TO MULL CLIP.
- 5. FOR ANCHORAGE DETAILS FOR THE WINDOW, REFER TO THE WINDOW SPECIFIC INSTALLATION DETAILS.



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4" PVC MULL BAR IMPACT

