

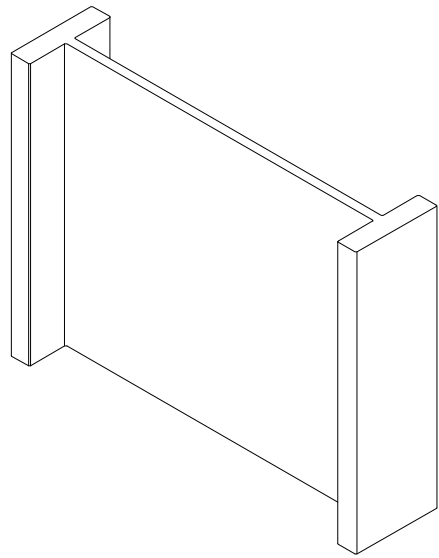


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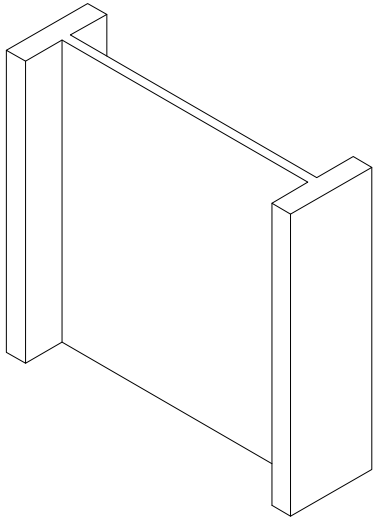
EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES

MULLIONS MEET THE REQUIREMENTS OF THE CURRENT  
FLORIDA BUILDING CODE.

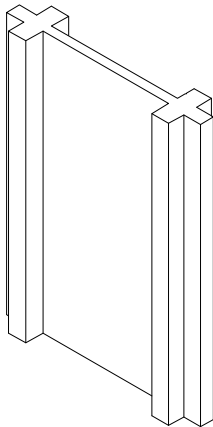
| REVISIONS |                                                                      |            |        |
|-----------|----------------------------------------------------------------------|------------|--------|
| REV.      | DESCRIPTION                                                          | DATE       | BY     |
| 3         | Revised per 2007 Florida Building Code, Added Sheet 8.               | 04/15/2011 | JRM    |
| 4         | Revised per 2010 Florida Building Code, updated general notes sht.1. | 01/20/2012 | CAP    |
| 5         | Updated DP ratings chart and added new mullion covers.               | 06/20/2012 | T.D.D. |
| 6         | Revised per 5th Ed. (2014) FBC                                       | 04/25/2015 | LAT    |
| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |



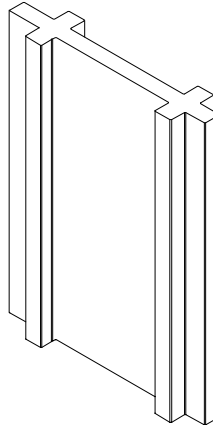
LARGE MULLION  
REINFORCEMENT CM0146  
ALUMINUM 6063-T6



LARGE MULLION  
REINFORCEMENT #16991  
ALUMINUM 6063-T6



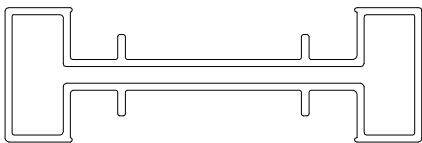
MEDIUM MULLION  
REINFORCEMENT #16990  
ALUMINUM 6063-T6



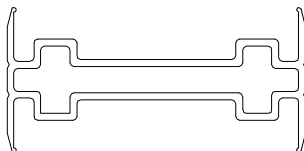
MEDIUM MULLION  
REINFORCEMENT #20634  
ALUMINUM 6063-T6



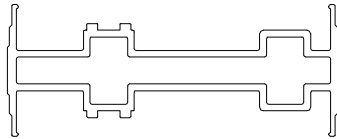
5000 FIN & J FRAME VINYL  
H-MULLION COVER #VPI-573  
EXTRUDED VINYL 0.071" MIN.



PROFINISH LARGE VINYL  
H-MULLION COVER #VPI-560  
EXTRUDED VINYL 0.079" MIN.

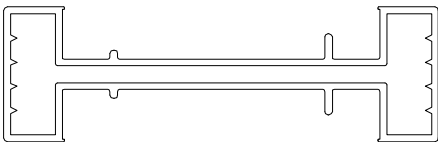


PROFINISH MEDIUM VINYL  
H-MULLION COVER #VPI-346A  
EXTRUDED VINYL 0.071" MIN.

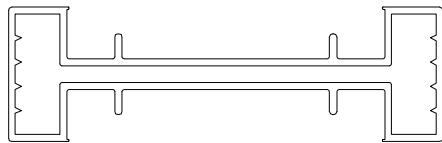


RETROFIT MEDIUM VINYL  
H-MULLION COVER #VPI-436  
EXTRUDED VINYL 0.070" MIN.

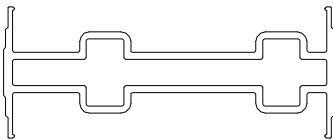
- PRODUCT DESCRIPTION:
- ALL MULLION REINFORCEMENTS ARE EXTRUDED ALUMINUM 6063-T6.
  - ALL MULLION COVERS ARE EXTRUDED VINYL. SEE ABOVE FOR INDIVIDUAL MULLION THICKNESS.



RETROFIT LARGE VINYL  
H-MULLION COVER #VPI-354  
EXTRUDED VINYL 0.071" MIN.



4000 SERIES LARGE VINYL  
H-MULLION COVER #VPI-354A  
EXTRUDED VINYL 0.071" MIN.



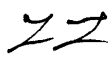
4000 SERIES MEDIUM VINYL  
H-MULLION COVER #MPO347  
EXTRUDED VINYL 0.070" MIN.

Lucas  
Turner  
2017-10-18  
11:15+20:00



- GENERAL NOTES:
- THE FOUR (4) MULLION PRODUCTS MEET THE CURRENT FLORIDA BUILDING CODE SECTION 1709.8, INCLUDING L/175 DEFLECTION LIMIT, LOAD TRANSFER, AND FIBERSTRESS ANALYSES IN THE DESIGN PRESSURES SHOWN IN THE TABLES IN THIS DRAWING. THE ANALYSES DID NOT ADDRESS AIR OR WATER INFILTRATION. OVERALL WINDOW ASSEMBLY ALLOWABLE DESIGN PRESSURES SHALL BE THE LOWER OF THE MULLION PER THIS APPROVAL OR THE SIMONTON WINDOWS PER SEPARATE PRODUCT APPROVAL.
  - PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN HEREIN.

| TABLE OF CONTENTS |                                                |
|-------------------|------------------------------------------------|
| SHT               | DESCRIPTION                                    |
| 1                 | INDIVIDUAL MULLION APPLICATIONS                |
| 2                 | DESIGN PRESSURES FOR REINFORCEMENT CM0146      |
| 3                 | DESIGN PRESSURES FOR REINFORCEMENT 16991       |
| 4                 | DESIGN PRESSURES FOR REINFORCEMENT 16990       |
| 5                 | DESIGN PRESSURES FOR REINFORCEMENT 20634       |
| 6                 | MULLION ATTACHMENT AND ANCHORING               |
| 7                 | MULLION CROSS SECTIONS-WOOD FRAME SUBSTRATE    |
| 8                 | MULLION CROSS SECTIONS-MASONRY/CONC. SUBSTRATE |

|                                                                                                         |                                                        |                                |                                   |                                                        |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------------|--------------------------------------------------------|
|                    |                                                        | SIMONTON<br>WINDOWS            |                                   | SIZE: C1<br>DRAWING NUMBER: RM0015B<br>DATE: 10/3/2017 |
| LUCAS A. TURNER, P.E.<br>TURNER ENGINEERING & CONSULTING, INC.<br>1239 JABARA AVE, NORTH PORT, FL 34288 | FL PE #58201<br>FBPE C.O.A. #29779<br>PH. 941-380-1574 | SCALE: 0.75:1<br>SHEET: 1 of 8 | CHECKED BY: CAP<br>DATE: 01/20/12 | DATE: 3-20-06<br>DATE: 12/18/08<br>DATE: 01/20/12      |
| SERIES: ALL MULLED PRODUCTS<br>TITLE: REINFORCED VINYL MULLIONS                                         |                                                        |                                |                                   |                                                        |



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EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES

| REVISIONS |                                                                      |            |        |
|-----------|----------------------------------------------------------------------|------------|--------|
| REV.      | DESCRIPTION                                                          | DATE       | BY     |
| 3         | Revised per 2007 Florida Building Code, Added Sheet 8.               | 04/15/2011 | JRM    |
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| 6         | Revised per 5th Ed. (2014) FBC                                       | 04/25/2015 | LAT    |
| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |

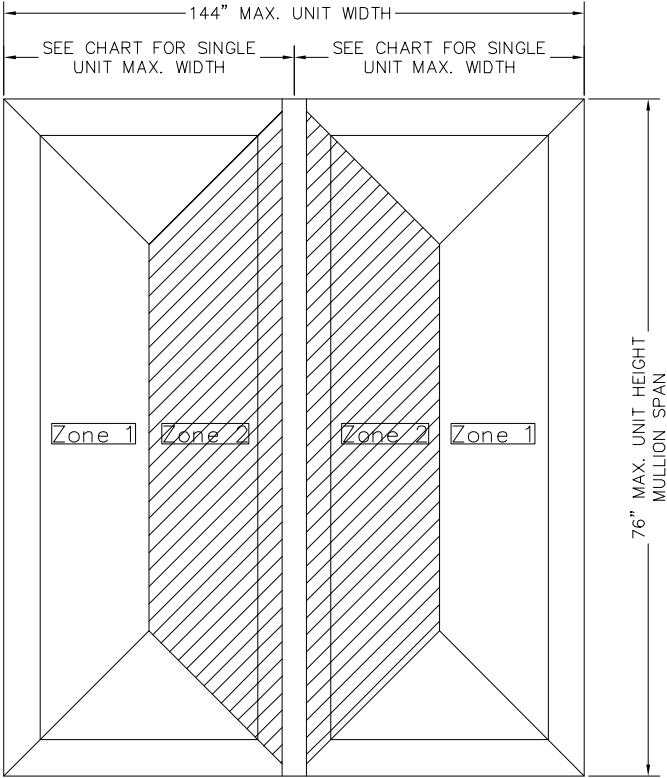


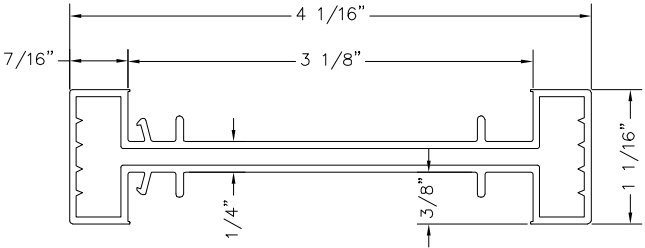
TABLE A – MAXIMUM DESIGN PRESSURES (PSF)  
MULLION # CM0146

|                |    | Individual Unit Width |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|
|                |    | 24                    | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
| Mullion Length | 40 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 44 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 48 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 52 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 56 | 75                    | 75 | 75 | 75 | 75 | 75 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
|                | 60 | 75                    | 75 | 75 | 75 | 70 | 65 | 65 | 65 | 60 | 60 | 60 | 60 | 60 |
|                | 64 | 75                    | 75 | 70 | 65 | 65 | 60 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
|                | 68 | 75                    | 75 | 65 | 60 | 55 | 55 | 50 | 50 | 50 | 50 | 45 | 45 | 45 |
|                | 72 | 75                    | 70 | 60 | 55 | 55 | 50 | 45 | 45 | 45 | 45 | 40 | 40 | 40 |
|                | 76 | 70                    | 65 | 55 | 50 | 50 | 45 | 45 | 40 | 40 | 40 | 40 | 40 | 35 |
|                | 80 | 65                    | 60 | 55 | 50 | 45 | 40 | 40 | 40 | 35 | 35 | 35 | 35 | 35 |
|                | 84 | 65                    | 55 | 50 | 45 | 40 | 40 | 35 | 35 | 35 | 35 | 30 | 30 | 30 |
|                | 88 | 60                    | 55 | 45 | 45 | 40 | 35 | 35 | 35 | 30 | 30 | 30 | 30 | 30 |
| 92             | 55 | 50                    | 45 | 40 | 35 | 35 | 35 | 30 | 30 | 30 | 25 | 25 | 25 |    |
| 96             | 55 | 45                    | 40 | 40 | 35 | 35 | 30 | 30 | 30 | 25 | 25 | 25 | 25 |    |

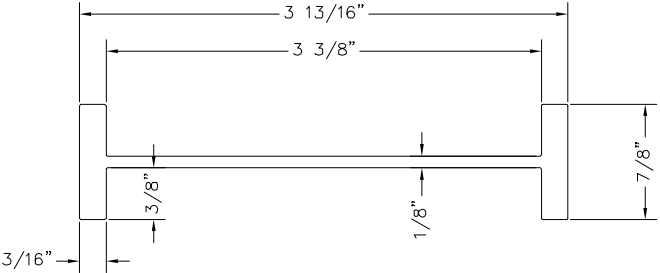
MAXIMUM SINGLE WINDOW WIDTH

| WINDOW TYPE       | WINDOW WIDTH |
|-------------------|--------------|
| DOUBLE HUNG       | 56"          |
| HORIZONTAL SLIDER | 72"          |
| CASEMENT          | 36"          |
| FIXED             | 96"          |

MULLION TRIBUTARY WIDTH = SUM  
OF ZONE 2 WINDOW WIDTHS



ALL FIN & J FRAMES H-MULLION  
LARGE VINYL MULLION COVER #VPI-573  
EXTRUDED VINYL .071" MIN.



LARGE MULL REINFORCEMENT #CM0146  
ALUMINUM 6063-T6



SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.



10/3/2017

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1239 JABARA AVE, NORTH PORT, FL 34288

SCALE: 0.75:1

SHEET: 2 of 8

SERIES: ALL MULLED PRODUCTS

TITLE: REINFORCED VINYL MULLIONS

SIZE: C1

DRAWING NUMBER: RM0015B

REV: 7

DRAWN BY: RTW

CHECKED BY: TDD

APPROVED BY: CAP

DATE: 3-20-06

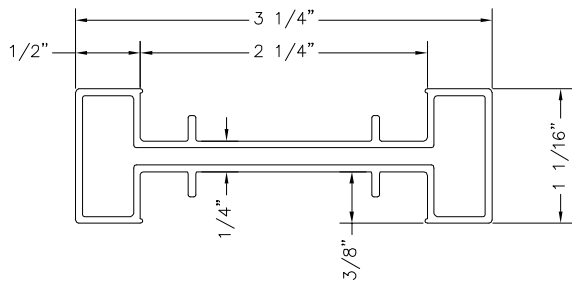
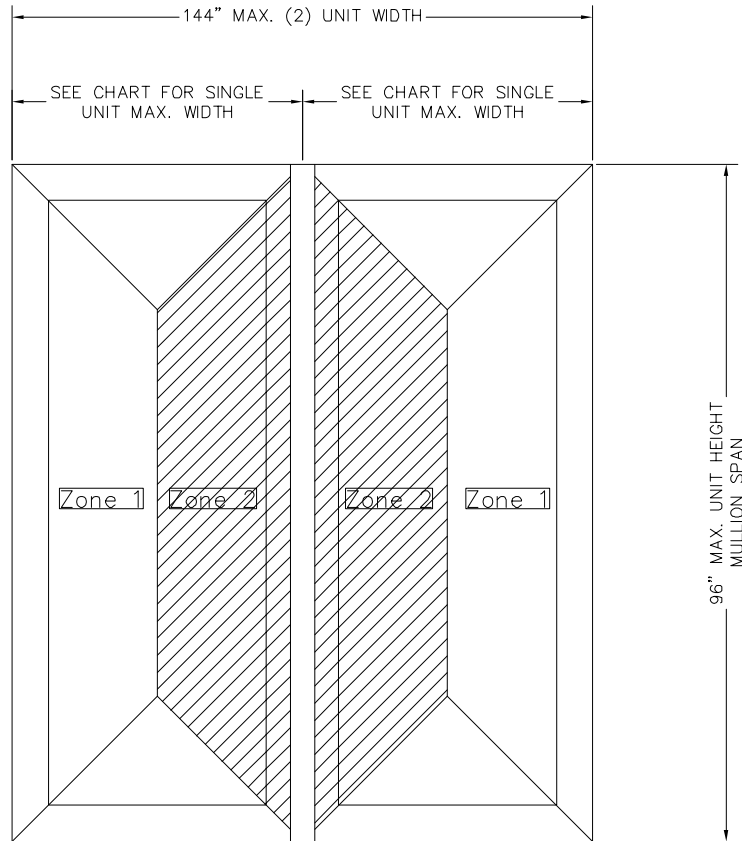
DATE: 12/18/08

DATE: 01/20/12



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EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES



PROFINISH H-MULLION  
LARGE VINYL MULLION COVER #VPI-560  
EXTRUDED VINYL .079" MIN.

| MAXIMUM SINGLE WINDOW WIDTH |              |
|-----------------------------|--------------|
| WINDOW TYPE                 | WINDOW WIDTH |
| SINGLE HUNG                 | 52"          |
| DOUBLE HUNG                 | 56"          |
| HORIZONTAL SLIDER           | 72"          |
| CASEMENT                    | 36"          |
| FIXED                       | 96"          |

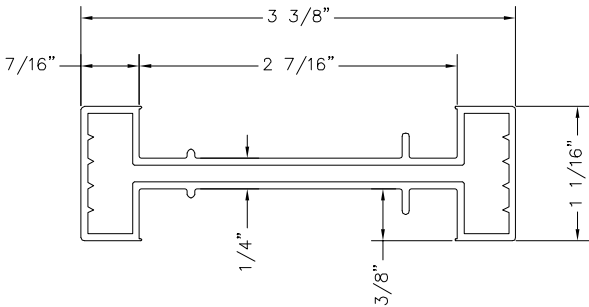
MULLION TRIBUTARY WIDTH = SUM  
OF ZONE 2 WINDOW WIDTHS

SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

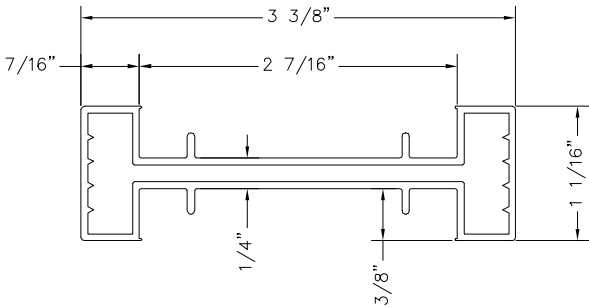
| REVISIONS |                                                                      |            |        |
|-----------|----------------------------------------------------------------------|------------|--------|
| REV.      | DESCRIPTION                                                          | DATE       | BY     |
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| 6         | Revised per 5th Ed. (2014) FBC                                       | 04/25/2015 | LAT    |
| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |

TABLE B – MAXIMUM DESIGN PRESSURES (PSF)  
MULLION #16991

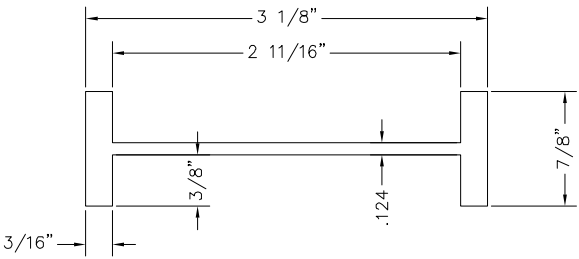
|                |    | Individual Unit Width |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|
|                |    | 24                    | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
| Mullion Length | 40 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 44 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 48 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 52 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 56 | 75                    | 75 | 75 | 75 | 75 | 75 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
|                | 60 | 75                    | 75 | 75 | 75 | 70 | 65 | 65 | 65 | 60 | 60 | 60 | 60 | 60 |
|                | 64 | 75                    | 75 | 70 | 65 | 65 | 60 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
|                | 68 | 75                    | 75 | 65 | 60 | 55 | 55 | 50 | 50 | 50 | 50 | 45 | 45 | 45 |
|                | 72 | 75                    | 70 | 60 | 55 | 55 | 50 | 45 | 45 | 45 | 45 | 40 | 40 | 40 |
|                | 76 | 70                    | 65 | 55 | 50 | 50 | 45 | 45 | 40 | 40 | 40 | 40 | 40 | 35 |
|                | 80 | 65                    | 60 | 55 | 50 | 45 | 40 | 40 | 40 | 35 | 35 | 35 | 35 | 35 |
|                | 84 | 65                    | 55 | 50 | 45 | 40 | 40 | 35 | 35 | 35 | 35 | 30 | 30 | 30 |
|                | 88 | 60                    | 55 | 45 | 45 | 40 | 35 | 35 | 35 | 30 | 30 | 30 | 30 | 30 |
|                | 92 | 55                    | 50 | 45 | 40 | 35 | 35 | 35 | 30 | 30 | 30 | 25 | 25 | 25 |
|                | 96 | 55                    | 45 | 40 | 40 | 35 | 35 | 30 | 30 | 30 | 25 | 25 | 25 | 25 |



RETROFIT H-MULLION  
LARGE VINYL MULLION COVER #VPI-354  
EXTRUDED VINYL .071" MIN.

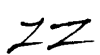


4000 SERIES RETROFIT H-MULLION  
LARGE VINYL MULLION COVER #VPI-354  
EXTRUDED VINYL .071" MIN.



LARGE MULL REINFORCEMENT #16991  
ALUMINUM 6063-T6





10/3/2017



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TURNER ENGINEERING & CONSULTING, INC.  
FBPE C.O.A. #29779 Ph. 941-380-1574  
1239 JABARA AVE, NORTH PORT, FL 34288

SCALE: 0.75:1  
SHEET: 3 of 8  
SERIES: ALL MULLED PRODUCTS  
TITLE: REINFORCED VINYL MULLIONS

SIZE: C1  
DRAWING NUMBER: RM0015B  
REV: 7

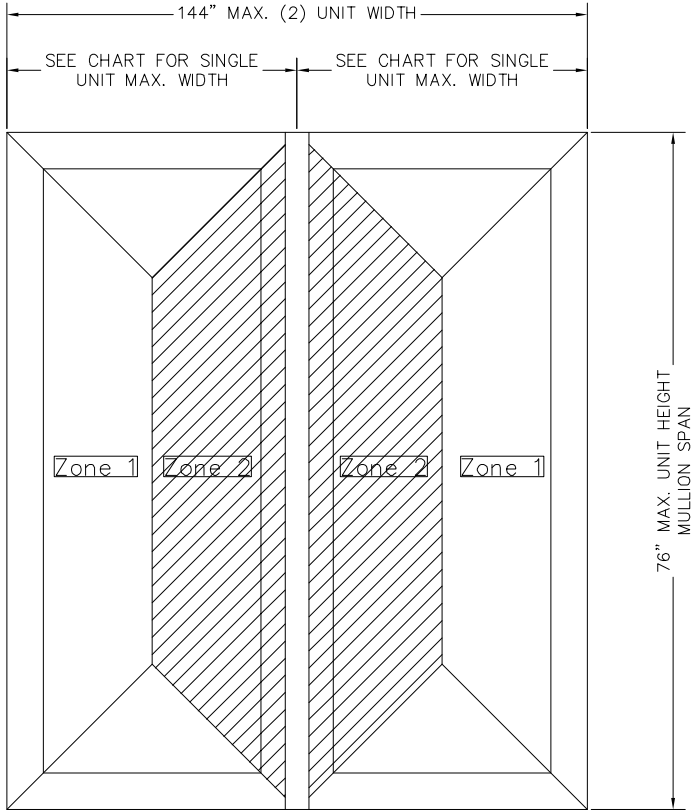
DRAWN BY: RTW  
DATE: 3-20-06  
CHECKED BY: TDD  
DATE: 12/18/08  
APPROVED BY: CAP  
DATE: 01/20/12



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EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES

| REVISIONS |                                                                      |            |        |
|-----------|----------------------------------------------------------------------|------------|--------|
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| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |

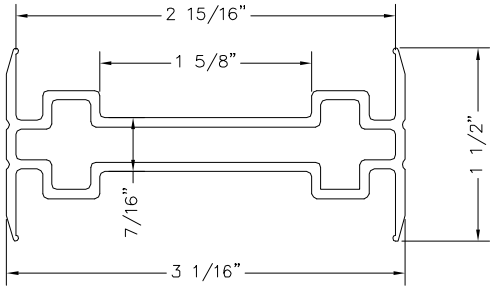


| MAXIMUM SINGLE WINDOW WIDTH |              |
|-----------------------------|--------------|
| WINDOW TYPE                 | WINDOW WIDTH |
| SINGLE HUNG                 | 52"          |
| DOUBLE HUNG                 | 56"          |
| HORIZONTAL SLIDER           | 72"          |
| CASEMENT                    | 36"          |
| FIXED                       | 96"          |

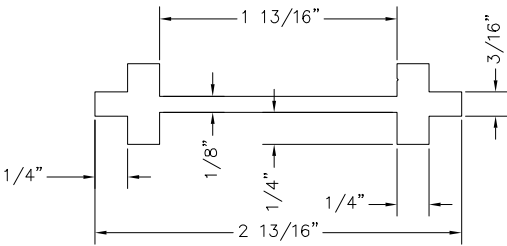
MULLION TRIBUTARY WIDTH = SUM  
OF ZONE 2 WINDOW WIDTHS

TABLE C – MAXIMUM DESIGN PRESSURES (PSF)  
MULLION #16990

|                |    | Individual Unit Width |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|
|                |    | 24                    | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
| Mullion Length | 40 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 44 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 48 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 52 | 75                    | 75 | 75 | 75 | 75 | 75 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
|                | 56 | 75                    | 75 | 70 | 65 | 60 | 60 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
|                | 60 | 70                    | 60 | 55 | 50 | 50 | 45 | 45 | 40 | 40 | 40 | 40 | 40 | 40 |
|                | 64 | 60                    | 50 | 45 | 40 | 40 | 35 | 35 | 35 | 30 | 30 | 30 | 30 | 30 |
|                | 68 | 45                    | 40 | 35 | 35 | 30 | 30 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|                | 72 | 40                    | 35 | 30 | 25 | 25 | 25 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|                | 76 | 35                    | 30 | 25 | 20 | 20 | 20 | 20 | 15 | 15 | 15 | 15 | 15 | 15 |



MEDIUM H-MULLION VINYL COVER #V346A  
ALL NEW CONSTRUCTION  
EXTRUDED VINYL .071" MIN.



MEDIUM MULL REINFORCEMENT #16990  
ALUMINUM 6063-T6



SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.



10/3/2017

LUCAS A. TURNER, P.E. FL PE #58201  
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FBPE C.O.A. #29779 Ph. 941-380-1574  
12286 JABARA BLVD, NORTH PORT, FL 34288

SCALE: 0.75:1  
SHEET: 4 of 8  
SERIES: ALL MULLED PRODUCTS  
TITLE: REINFORCED VINYL MULLIONS

SIZE: C1  
DRAWING NUMBER: RM0015B  
DRAWN BY: RTW  
CHECKED BY: TDD  
APPROVED BY: CAP

DATE: 3-20-06  
DATE: 12/18/08  
DATE: 01/20/12



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EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES

| REVISIONS |                                                                      |            |        |
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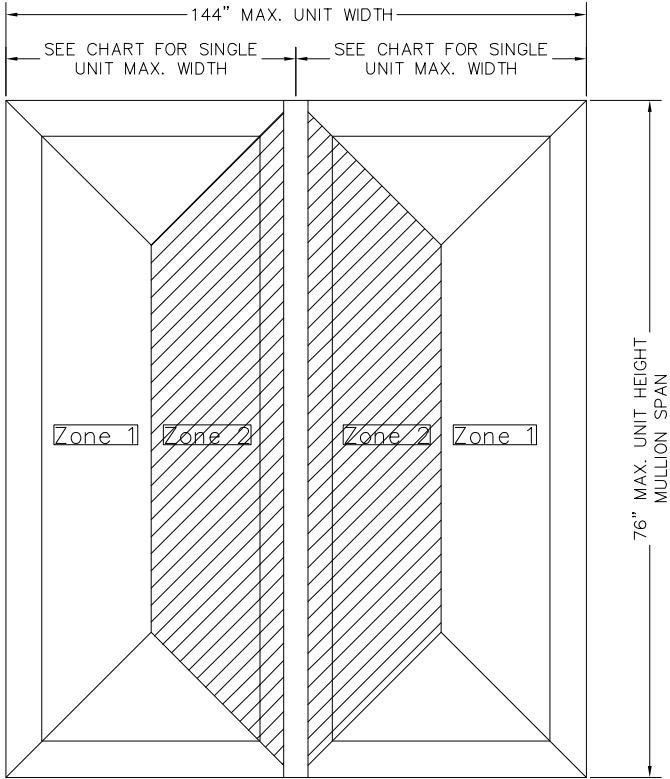


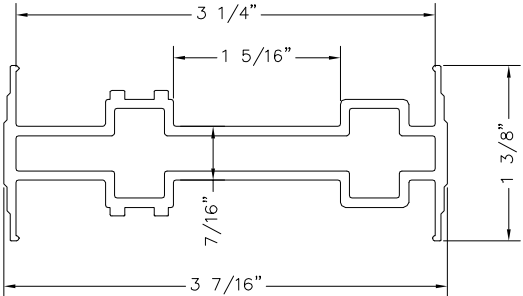
TABLE D – MAXIMUM DESIGN PRESSURES (PSF)  
MULLION # 20634

|                |    | Individual Unit Width |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|
|                |    | 24                    | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
| Mullion Length | 40 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 44 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 48 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 52 | 75                    | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
|                | 56 | 75                    | 75 | 75 | 70 | 65 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
|                | 60 | 75                    | 65 | 60 | 55 | 50 | 50 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
|                | 64 | 60                    | 55 | 50 | 45 | 40 | 40 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
|                | 68 | 50                    | 45 | 40 | 35 | 30 | 30 | 30 | 25 | 25 | 25 | 25 | 25 | 25 |
|                | 72 | 40                    | 35 | 30 | 30 | 25 | 25 | 25 | 20 | 20 | 20 | 20 | 20 | 20 |
|                | 76 | 35                    | 30 | 25 | 25 | 20 | 20 | 20 | 20 | 15 | 15 | 15 | 15 | 15 |

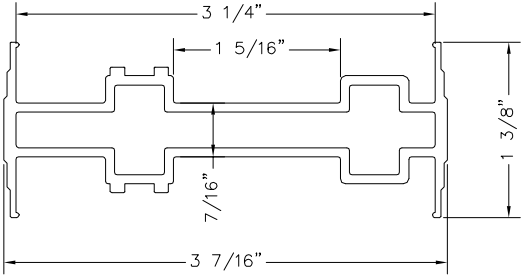
MAXIMUM SINGLE WINDOW WIDTH

| WINDOW TYPE       | WINDOW WIDTH |
|-------------------|--------------|
| DOUBLE HUNG       | 56"          |
| HORIZONTAL SLIDER | 72"          |
| CASEMENT          | 36"          |
| FIXED             | 96"          |

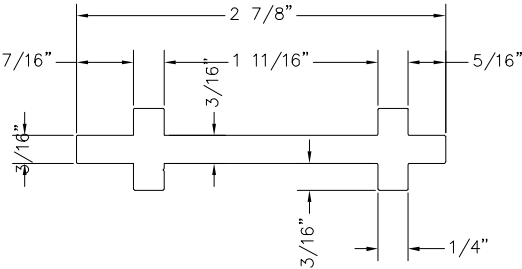
MULLION TRIBUTARY WIDTH = SUM  
OF ZONE 2 WINDOW WIDTHS



MEDIUM H-MULLION VINYL COVER #VPI-436  
FOR ANY RETROFIT HOOKED FRAME  
EXTRUDED VINYL .070" MIN.



MEDIUM H-MULLION VINYL COVER #VPI-436  
FOR ANY RETROFIT HOOKED FRAME  
EXTRUDED VINYL .070" MIN.



MEDIUM MULL REINFORCEMENT #20634  
ALUMINUM 6063-T6



SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.



10/3/2017

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1239 JABARA AVE, NORTH PORT, FL 34288

SCALE: 0.75:1

SHEET: 5 of 8

SERIES: ALL MULLED PRODUCTS

TITLE: REINFORCED VINYL MULLIONS

SIZE: C

DRAWING NUMBER: RM0015B

REV: 7

DRAWN BY: RTW

CHECKED BY: TDD

APPROVED BY: CAP

DATE: 3-20-06

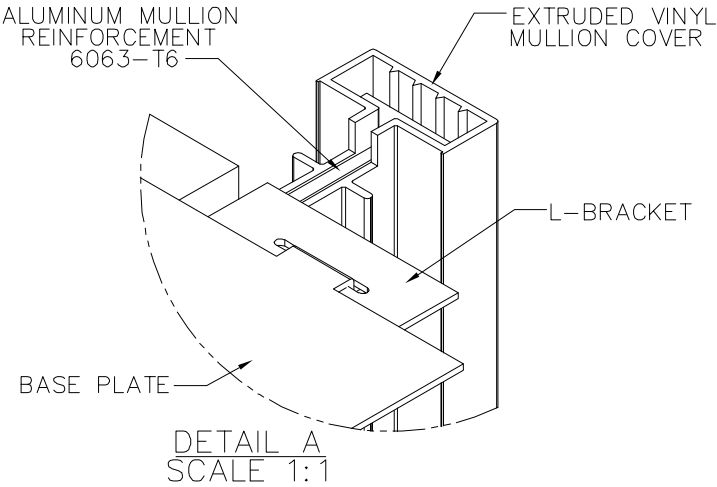
DATE: 12/18/08

DATE: 01/20/12

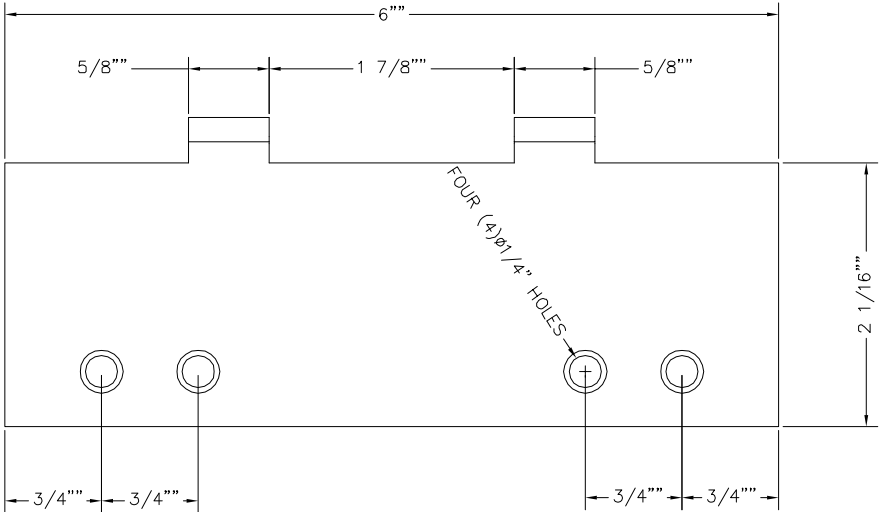


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PH. 800-426-2249

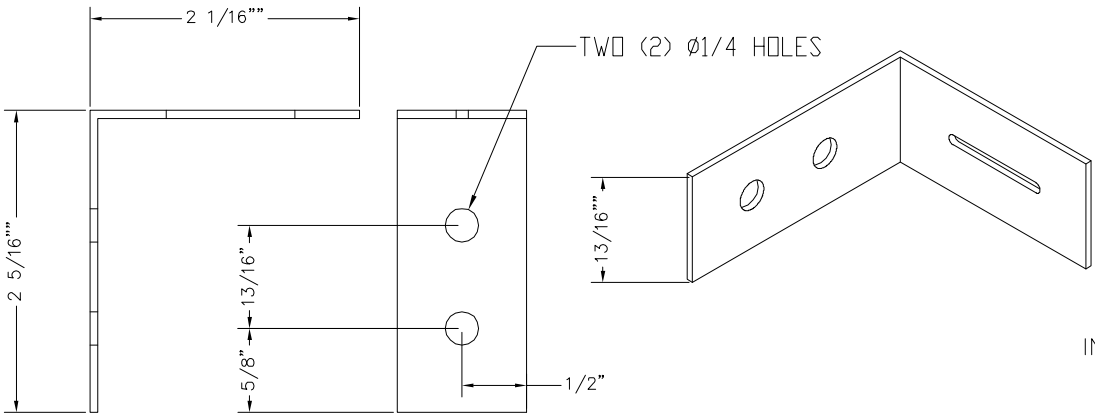
EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES



SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ATTACHING REINFORCED MULLIONS TO WINDOW UNITS. TYPICALLY, USE SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO FULLY ENGAGE THREADS THROUGH THE ALUMINUM REINF., AT THE ANCHOR SIZE AND SPACING INDICATED IN THE APPLICABLE WINDOW PRODUCT APPROVAL FOR ATTACHMENT TO WOOD SUBSTRATE.



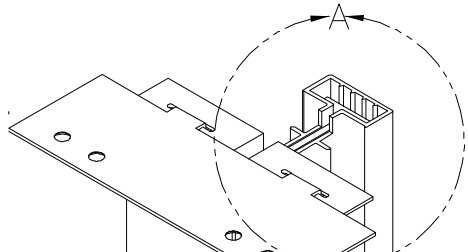
REINFORCEMENT BASE PLATE DETAIL  
.060" MIN. STAINLESS STEEL  
ANSI 302/304



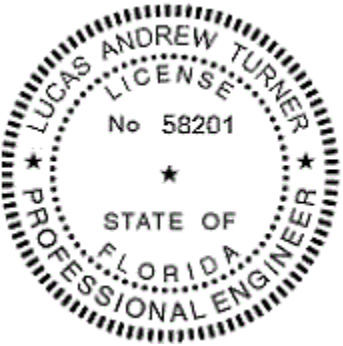
REINFORCEMENT L-BRACKET  
0.076" MIN. STAINLESS STEEL  
ANSI 302/304

- NOTES:
- WOOD FRAME: USE (4) #10 X 1 3/4" WOOD SCREWS AT THE HEAD AND SILL THROUGH BASE PLATES, WITH 1-1/2" MINIMUM EMBEDMENT INTO WOOD FOR MULLION ATTACHMENT. SEE SHEET 7 FOR DETAILS.
  - MASONRY/CONCRETE: USE (2) ITW TAPCON OR ELCO ULTRAICON ANCHORS AT HEAD AND SILL THROUGH BASE PLATES. SEE SHEET 8 FOR DETAILS.
  - TWO (2) RIVETS OR BARREL NUTS ARE REQUIRED TO ATTACH L-BRACKETS TO ALUMINUM MULLION. SEE TABLE 1 (THIS SHEET).

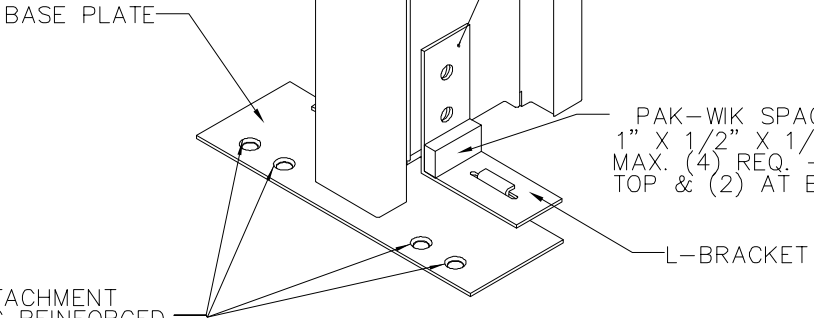
| REVISIONS |                                                                      |            |        |
|-----------|----------------------------------------------------------------------|------------|--------|
| REV.      | DESCRIPTION                                                          | DATE       | BY     |
| 3         | Revised per 2007 Florida Building Code, Added Sheet 8.               | 04/15/2011 | JRM    |
| 4         | Revised per 2010 Florida Building Code, updated general notes sht.1. | 01/20/2012 | CAP    |
| 5         | Updated DP ratings chart and added new mullion covers.               | 06/20/2012 | T.D.D. |
| 6         | Revised per 5th Ed. (2014) FBC                                       | 04/25/2015 | LAT    |
| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |



L-BRACKET IS ATTACHED TO VINYL MULLION COVER AND MULLION REINFORCEMENT USING (2) RIVETS OR BARREL NUTS (305 LB. MAX. SHEAR) 2 PLACES EACH L-BRACKET (REFER TO TABLE 1)



SEE MANUFACTURER'S ATTACHMENT INSTRUCTIONS FOR ATTACHING REINFORCED MULLIONS TO WINDOW UNITS



ASSEMBLED MULLION ATTACHMENT VIEW

TABLE 1 – MULLION ATTACHING HARDWARE

|            |                                                                                           |
|------------|-------------------------------------------------------------------------------------------|
| RIVET      | .25 DIA. STEEL RIVET WITH A GRIP LENGTH OF .50 MAX.                                       |
| BARREL NUT | #10-24 OR #10-32 STAINLESS STEEL BARREL NUT. .250 O.D. X .25" LG WITH .125 MIN ENGAGEMENT |



10/3/2017

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2  
C1 RM0015B 7

DRAWN BY: RTW  
CHECKED BY: TDD  
APPROVED BY: CAP

DATE: 3-20-06  
DATE: 12/18/08  
DATE: 01/20/12

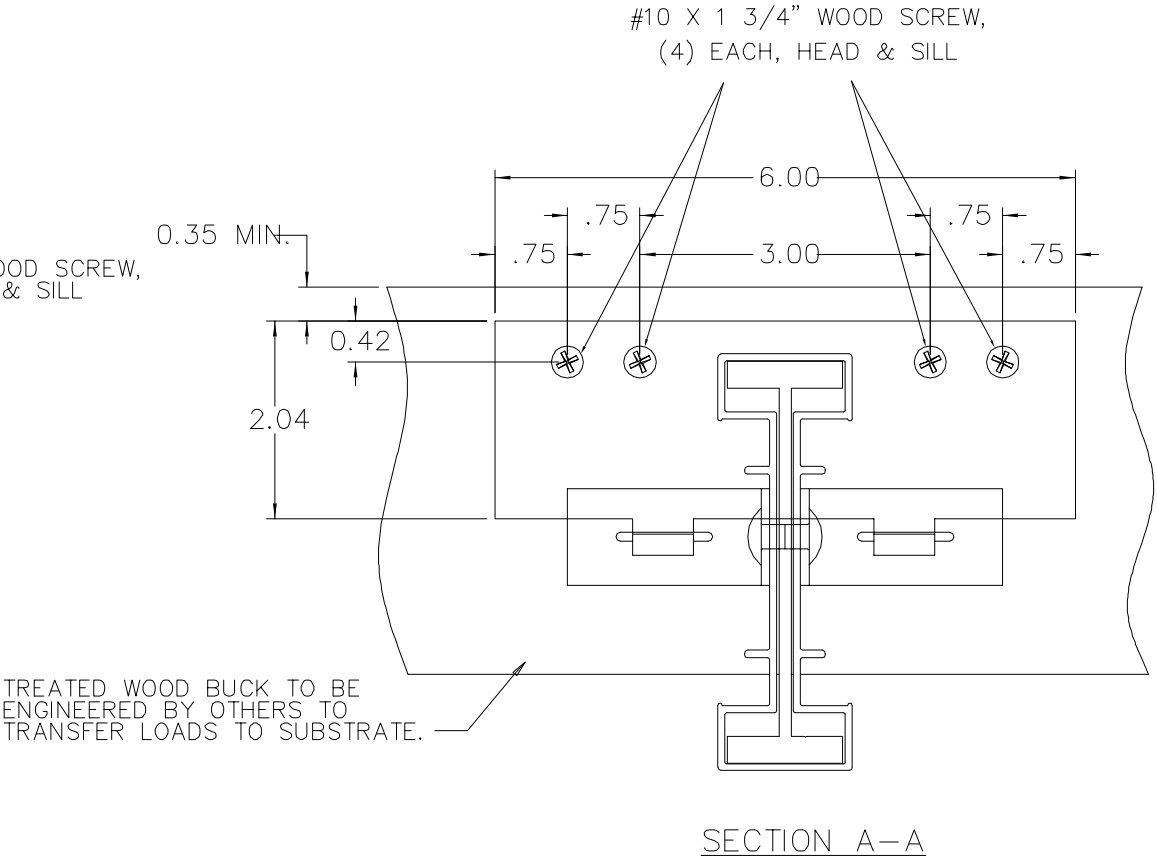
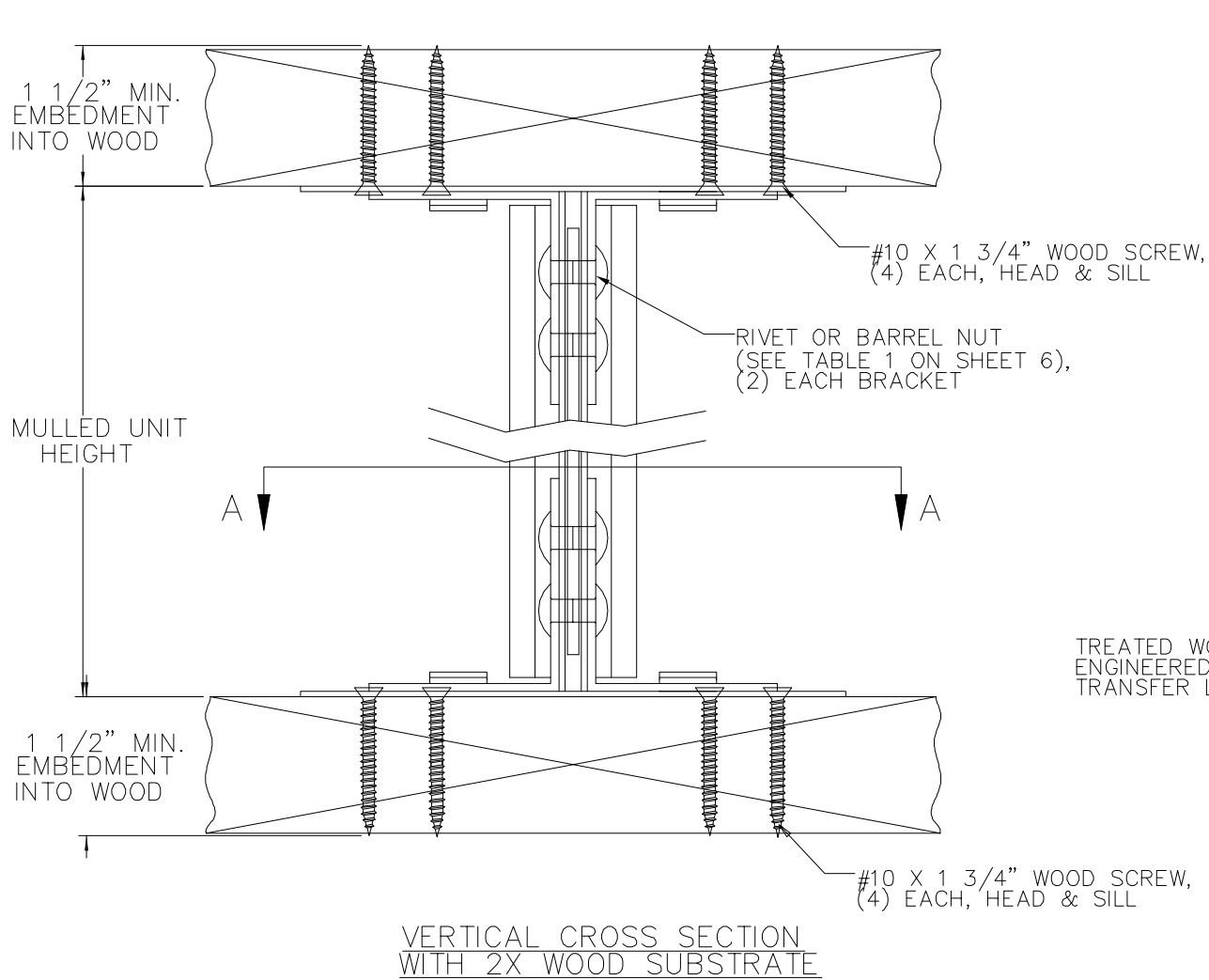
SCALE: 0.75:1  
SHEET: 6 of 8  
SERIES: ALL MULLED PRODUCTS  
TITLE: REINFORCED VINYL MULLIONS



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EXTRUDED NON-IMPACT VINYL MULLIONS  
WITH ALUMINUM REINFORCEMENT  
ALL NON-IMPACT WINDOW SERIES

| REVISIONS |                                                                      |            |        |
|-----------|----------------------------------------------------------------------|------------|--------|
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| 6         | Revised per 5th Ed. (2014) FBC                                       | 04/25/2015 | LAT    |
| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |



- NOTES:
1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HVHZ.
  2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
  3. ANCHORS SHALL HAVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD AND 7/8" MINIMUM WOOD EDGE DISTANCE.
  4. ATTACHMENT OF ALL 2X TREATED WOOD BUCKS SHALL BE ENGINEERED SEPARATELY BY OTHERS.
  5. WOOD SHALL BE TREATED 2X SPRUCE, PINE, OR FIR.
  6. #10 WOOD SCREWS SHALL BE STEEL CONFORMING TO ASTM A 653.
  7. BASE PLATES AND L-BRACKETS ARE STAINLESS STEEL CONFORMING TO ANSI 302/304.
  8. SIMILAR INSTALLATIONS ARE USED ON HEAD AND SILL.
  9. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION IS REQUIRED, USE OF AN IMPACT PROTECTIVE SYSTEM IS REQUIRED.



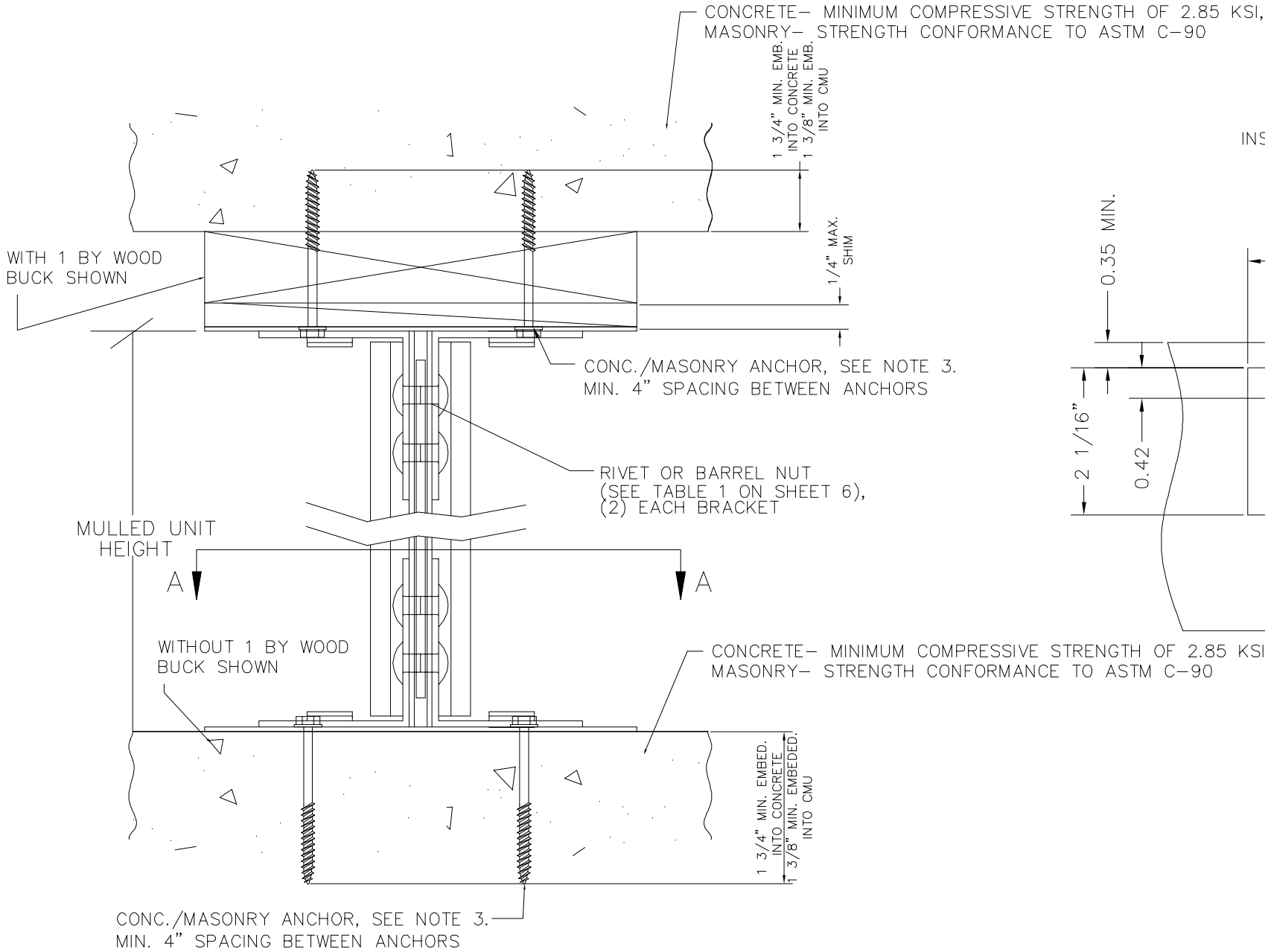
|    |           |                                                                                                                                                             |                                                                                                   |                                                      |                                                   |
|----|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------|
| 22 | 10/3/2017 | LUCAS A. TURNER, P.E. FL PE #58201<br>TURNER ENGINEERING & CONSULTING, INC.<br>FBPE C.O.A. #29779 Ph. 941-380-1574<br>1239 JABARA AVE, NORTH PORT, FL 34288 | SIMONTON<br>WINDOWS                                                                               |                                                      | SIZE: C1<br>DRAWING NUMBER: RM0015B<br>REV: 7     |
|    |           |                                                                                                                                                             | SCALE: 0.75:1<br>SHEET: 7 of 8<br>SERIES: ALL MULLED PRODUCTS<br>TITLE: REINFORCED VINYL MULLIONS | DRAWN BY: RTW<br>CHECKED BY: TDD<br>APPROVED BY: CAP | DATE: 3-20-06<br>DATE: 12/18/08<br>DATE: 01/20/12 |



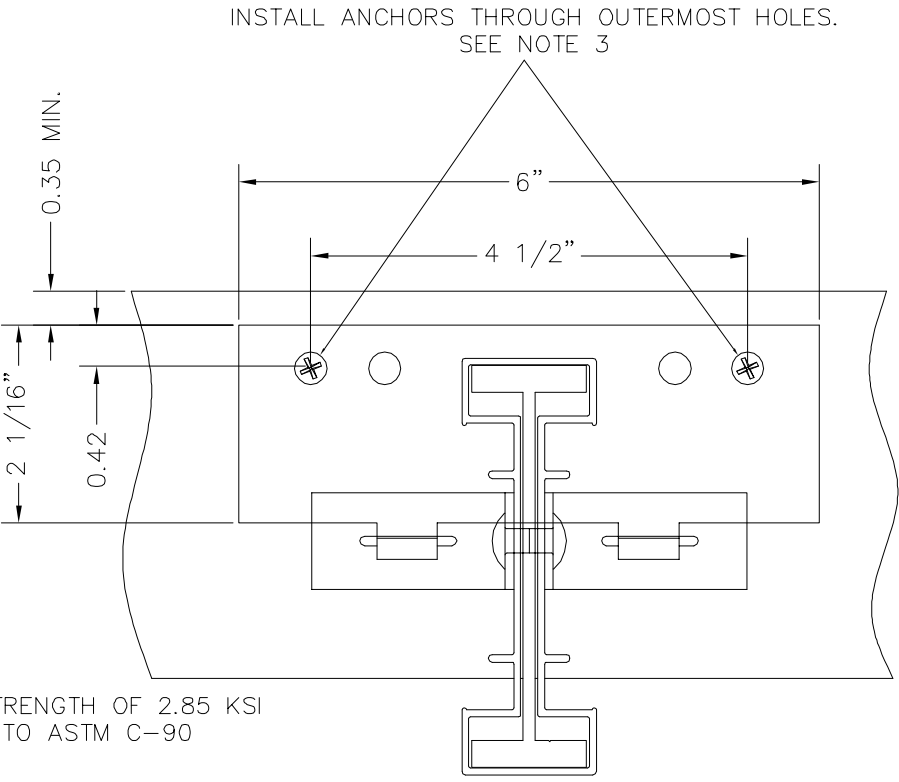
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PH. 800-426-2249

EXTRUDED NON-IMPACT VINYL MULLIONS  
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ALL NON-IMPACT WINDOW SERIES

| REVISIONS |                                                                      |            |        |
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| 6         | Revised per 5th Ed. (2014) FBC                                       | 04/25/2015 | LAT    |
| 7         | Updated Note 1, Sheet 1                                              | 10/03/2017 | LMH    |



VERTICAL CROSS SECTION WITH  
MASONRY/CONCRETE SUBSTRATE



SECTION A-A



- NOTES:
1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HVHZ.
  2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
  3. ANCHORS IN GROUT-FILLED CMU BLOCK (ASTM C-90 COMPLIANT) SHALL BE 1/4" ELCO UTRACONS WITH 1 3/8" MIN. EMBED. TO BLOCK, AND 1" MIN. EDGE DIST. ANCHORS IN SOLID CONCRETE (2.85 KSI MIN.) SHALL BE 3/16" ITW TAPCONS OR 1/4" ELCO UTRACONS WITH 1 3/4" MIN. EMBED. TO CONCRETE, AND 1 1/8" MIN. EDGE DIST.
  4. ATTACHMENT OF ALL 2X TREATED WOOD BUCKS SHALL BE ENGINEERED SEPARATELY BY OTHERS.
  5. WOOD SHALL BE TREATED 2X SPRUCE, PINE, OR FIR.
  6. BASE PLATES AND L-BRACKETS ARE STAINLESS STEEL CONFORMING TO ANSI 302/304.
  7. SIMILAR INSTALLATIONS ARE USED ON HEAD AND SILL.
  8. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION IS REQUIRED, USE OF AN IMPACT PROTECTIVE SYSTEM IS REQUIRED.



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SCALE: 0.75:1

SHEET: 8 of 8

SERIES: ALL MULLED PRODUCTS

TITLE: REINFORCED VINYL MULLIONS

SIZE: C

DRAWING NUMBER: RM0015B

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DRAWN BY: RTW

CHECKED BY: TDD

DATE: 3-20-06

DATE: 12/18/08

DATE: 01/20/12