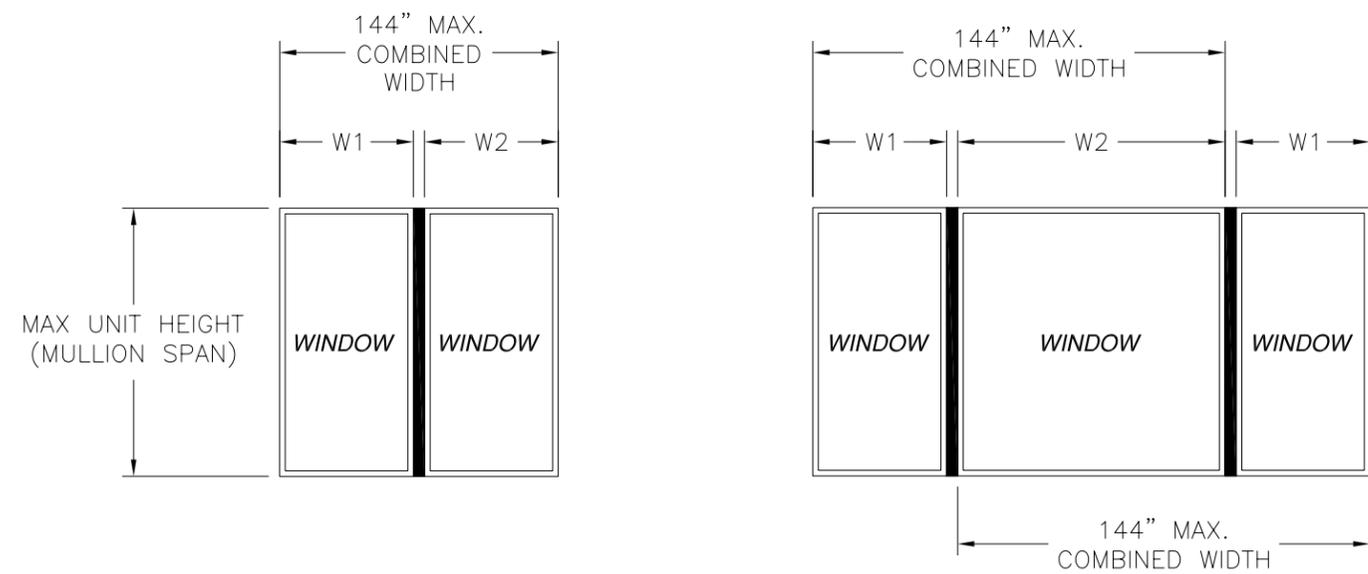


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS STATE MODIFICATIONS.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF WINDOW OPENING AND ALL WOOD FRAMING AROUND WINDOW.
- 4) RESPONSIBILITY OF SELECTING FENESTRATION PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS REST SOLELY WITH THE ARCHITECT, ENGINEER OF RECORD, BUILDING OWNER OR CONTRACTOR.
- 5) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
- 6) DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
- 7) SINGLE UNITS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. SINGLE UNITS TO BE MULLED TOGETHER MUST BE MANUFACTURED BY WINCORE WINDOWS.
- 8) DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT.
- 9) TWIN CONFIGURATION SHOWN. UNITS MAY BE MULLED TOGETHER INDEFINITELY AS LONG AS THE SINGLE UNIT WIDTH AND THE SINGLE UNIT HEIGHT ARE NOT EXCEEDED AND MULLION IS ANCHORED AS SHOWN HEREIN.
- 10) MULLION VERTICAL INSTALLATION IS SHOWN, MULLION MAY BE USED IN HORIZONTAL APPLICATIONS AS LONG AS DIMENSIONS INDICATED HEREIN ARE NOT EXCEEDED AND MULLION IS ANCHORED ACCORDING TO THIS DOCUMENT.
- 11) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.

**Maximum design pressure capacity (psf)  
1" x 3" Structural Tubing with bull nose clip 1" x 3"**

Height (in)	Tributary width (in)								
	24.00	30.00	36.00	42.00	48.00	54.00	60.00	66.00	72.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	119.8	116.4	116.4	116.4	116.4	116.4	116.4	116.4
42.00	104.8	93.2	87.3	85.6	85.6	85.6	85.6	85.6	85.6
48.00	87.3	76.2	69.9	66.5	65.5	65.5	65.5	65.5	65.5
54.00	74.9	64.5	58.2	54.4	52.4	51.8	51.8	51.8	51.8
60.00	65.5	55.9	49.9	46.1	43.7	42.3	41.9	41.9	41.9
66.00	58.2	49.3	43.7	39.9	37.4	35.8	34.9	34.6	34.6
72.00	52.4	44.1	38.8	35.2	32.8	31.1	29.9	29.3	29.1
78.00	47.6	39.9	34.9	31.5	29.1	27.4	26.2	25.4	25.0
84.00	43.7	36.5	31.8	28.5	26.2	24.5	23.3	22.4	21.8

**Maximum design pressure capacity (psf)  
1" x 3" Structural Tubing with Bracket clip 1" x 3"**

Height (in)	Tributary width (in)								
	24.00	30.00	36.00	42.00	48.00	54.00	60.00	66.00	72.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54.00	120.0	120.0	116.4	108.9	104.8	103.5	103.5	103.5	103.5
60.00	120.0	111.8	99.8	92.1	87.3	84.7	83.8	83.8	83.8
66.00	116.4	98.6	87.3	79.8	74.9	71.7	69.9	69.3	69.3
72.00	104.8	88.3	77.1	68.6	62.8	58.9	56.3	54.8	54.3
78.00	85.3	69.7	59.7	52.8	48.0	44.6	42.2	40.7	39.7
84.00	67.9	55.4	47.2	41.6	37.6	34.7	32.6	31.1	30.1

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1) DEFINE REQUIRED DESIGN LOAD PER 2006 INTERNATIONAL BUILDING CODE AND 2006 RESIDENTIAL CODE WITH TEXAS STATE MODIFICATIONS.
- 2) DETERMINE TRIBUTARY WIDTH AND MULLION SPAN BASED ON PRODUCT TO BE INSTALLED. SEE FORMULA FOR TRIBUTARY WIDTH.
- 3) LOCATE MULLION SPAN (UNIT HEIGHT) AND TRIBUTARY WIDTH. AT THE INTERSECTION OF ROW AND COLUMN CONTAINING THE MULLION SPAN AND TRIBUTARY WIDTH RESPECTIVELY IS THE MULLION RATING FOR PRODUCT IN STEP 2. MULLION RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.

$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

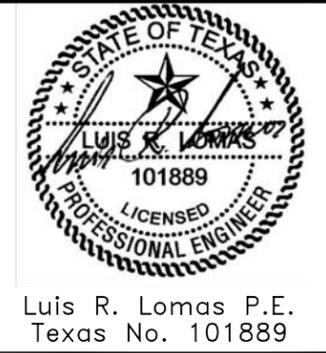
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATIONS, NOTES AND DESIGN PRESSURE CHARTS
2	BILL OF MATERIALS AND INSTALLATION DETAILS
3	COMPONENTS

**WINCORE WINDOWS**  
250 STAUNTON AVE.  
PARKERSBURG, WV 26104

**1" x 3" STRUCTURAL TUBING MULLION  
VERTICAL IMPACT WIND ZONE 3  
ELEVATIONS NOTES AND DESIGN PRESSURE CHARTS**

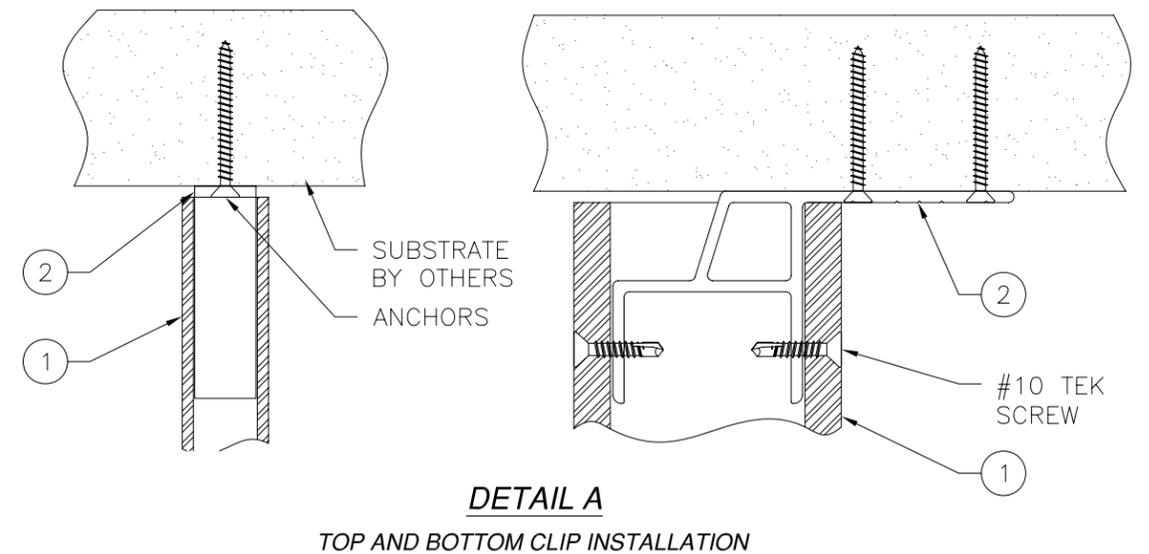
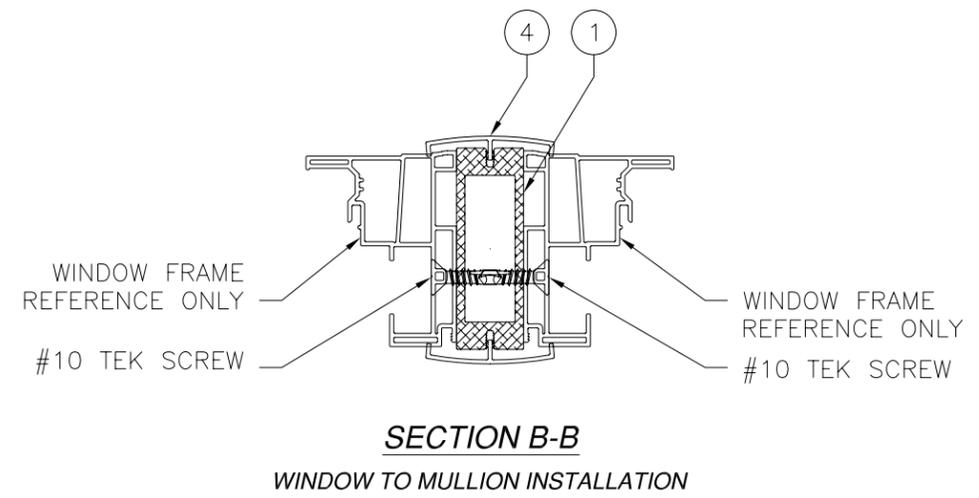
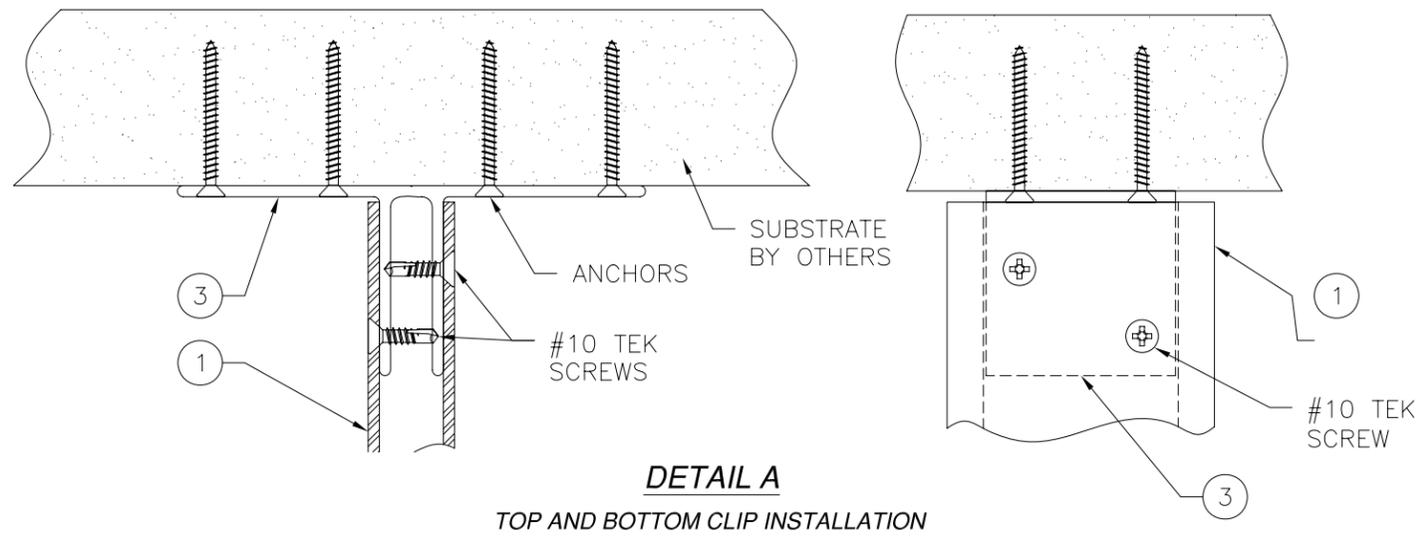
DRAWN: TJH      DWG NO. 08-01062      REV -

SCALE NTS      DATE 07/29/10      SHEET 1 OF 3



PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1		1X3 STRUCTURAL TUBING MULLION, AL 6063-T6
2		BULL NOSE CLIP 1X3, ALUMINUM 6063-T6
3		BRACKET CLIP, ALUMINUM 6063-T6
4	AM72	COVER, PVC

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



ANCHORING NOTES:

- 1) FOR ANCHORING INTO MASONRY USE 3/16" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 5/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 2) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 3) FOR ATTACHING WINDOW UNITS TO MULLION USE #10 TEK SELF TAPPING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE MULLION WALL. LOCATE SCREWS 6" FROM EACH MULLION END AND 8" MAX. O.C. THEREAFTER. STAGGER SCREWS AT EACH WINDOW.
- 5) FOR WINDOW UNITS ANCHORING SCHEDULE REFER TO WINDOW APPROVED INSTALLATION INSTRUCTIONS.
- 6) ALL FASTENERS TO BE CORROSION RESISTANT.
- 7) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

**WINCORE WINDOWS**  
250 STAUNTON AVE.  
PARKERSBURG, WV 26104

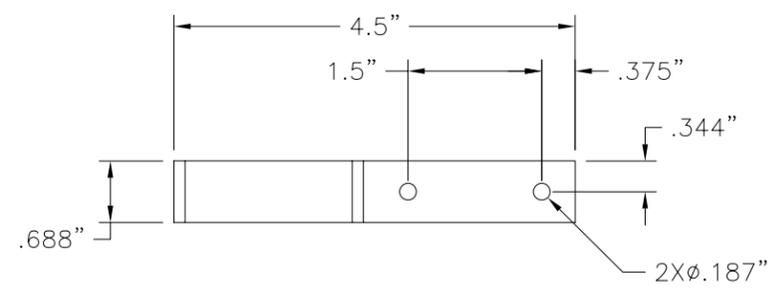
---

1" x 3" STRUCTURAL TUBING MULLION  
VERTICAL IMPACT WIND ZONE 3  
BILL OF MATERIALS AND INSTALLATION DETAILS

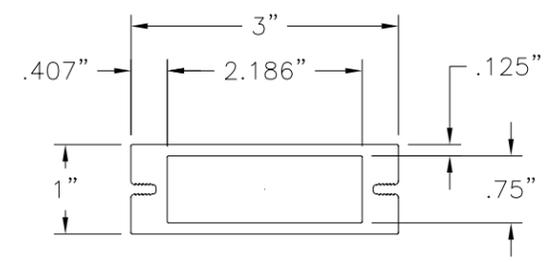
DRAWN: TJH	DWG NO. 08-01062	REV -
SCALE NTS	DATE 07/29/10	SHEET 2 OF 3

Luis R. Lomas P.E.  
Texas No. 101889

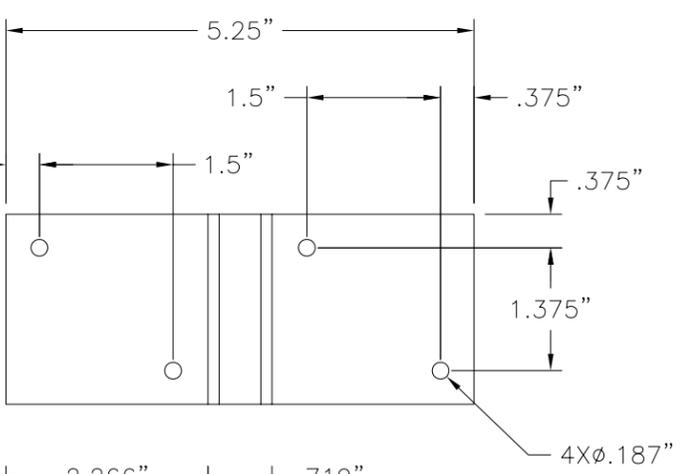
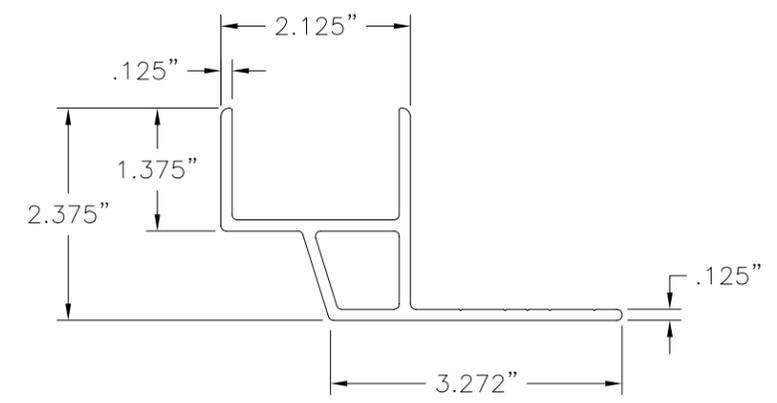
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



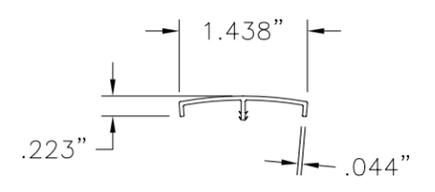
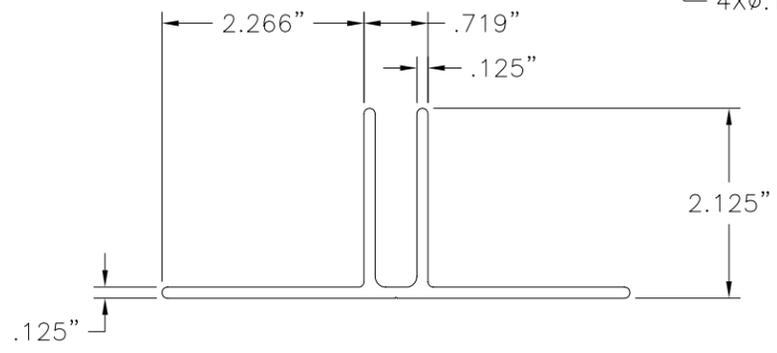
② **BULL NOSE CLIP (1X3)**  
6063-T6 ALUMINUM



① **1X3 STRUCTURAL TUBING MULLION**  
6063-T6 ALUMINUM



③ **BRACKET CLIP**  
6063-T6 ALUMINUM



④ **COVER**  
PVC

**WINCORE WINDOWS**  
250 STAUNTON AVE.  
PARKERSBURG, WV 26104

1" x 3" STRUCTURAL TUBING MULLION  
VERTICAL IMPACT WIND ZONE 3  
COMPONENTS

DRAWN: TJH	DWG NO. 08-01062	REV -
SCALE NTS	DATE 07/29/10	SHEET 3 OF 3



Luis R. Lomas P.E.  
Texas No. 101889