

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND 2006 IRC WITH STATE OF TEXAS MODIFICATIONS.
2. WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 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.
4. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
5. DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
6. SINGLE WINDOWS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. WINDOWS MUST BE MANUFACTURED BY VISTAMARK ENTERPRISES, LLC.
7. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW OR DOOR UNIT.

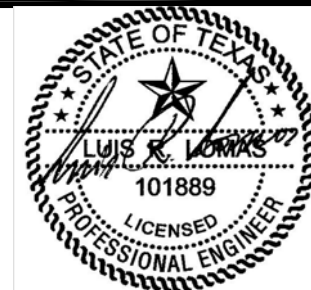
ANCHORING NOTES:

1. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
2. FOR ANCHORING INTO CONCRETE USE 3/16" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
3. FOR ATTACHING WINDOW UNITS TO MULLION USE #8 X 1" PH SELF DRILLING SCREWS. LOCATE SCREWS IN ACCORDANCE WITH WINDOW ANCHORING SCHEDULE AS SHOWN IN WINDOW SEPARATE APPROVAL OR AS SHOWN HEREIN.
4. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5. ALL FASTENERS TO BE CORROSION RESISTANT.
6. 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).
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM.
7. TO ATTACH MULLION TO CLIP USE (1) #10 x 2" SELF DRILLING SCREWS PER CLIP. SCREWS MUST BE FIELD INSTALLED. SEE INSTALLATION DETAILS.

SIGNED: 09/14/2015

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VISTAMARK ENTERPRISES, LLC 3637 N HIGHWAY 77, SUITE C WAXAHACHIE, TX 75165		
793.800 HORIZONTAL MULLION IMPACT NOTES		
DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 1 OF 11



Luis R. Lomas P.E.
TX No.: 101889

REVISIONS			
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**THESE CHARTS APPLY TO TWIN W/TRANSOM CONFIGURATIONS
WITH FOUR DIFFERENT TRANSOM HEIGHTS**

CHART #1 (12" TRANSOM)

Maximum design pressure capacity chart (psf)										
Height (in)		Span and Tributary width (in)								
Window	Transom	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
24.00	12.00	120.0	120.0	120.0	104.3	79.8	62.4	49.7	40.3	33.1
30.00	12.00	120.0	120.0	112.6	91.2	69.6	54.4	43.2	35.0	28.7
36.00	12.00	120.0	117.6	103.3	81.5	62.1	48.4	38.5	31.1	25.4
42.00	12.00	120.0	108.4	95.4	73.8	56.3	43.9	34.8	28.1	23.0
48.00	12.00	115.7	100.6	86.6	67.3	51.4	40.1	31.9	25.7	21.0
54.00	12.00	107.7	93.8	78.7	62.0	47.3	37.0	29.4	23.7	19.4
60.00	12.00	100.8	87.9	72.2	57.4	43.9	34.3	27.2	22.0	18.0
66.00	12.00	94.7	82.3	66.6	53.4	40.9	31.9	25.4	20.5	16.8
72.00	12.00	89.3	76.4	61.8	50.0	38.2	29.9	23.8	19.2	15.7
78.00	12.00	84.4	71.3	57.7	46.9	35.9	28.1	22.4	18.1	-
84.00	12.00	80.1	66.8	54.1	44.3	33.9	26.5	21.1	17.1	-
90.00	12.00	76.2	62.9	50.9	41.9	32.1	25.1	20.0	16.2	-
96.00	12.00	72.7	59.4	48.1	39.7	30.4	23.8	19.0	15.4	-

IMPACT RATED UP TO WIND ZONE 3

CHART #2 (18" TRANSOM)

Maximum design pressure capacity chart (psf)										
Height (in)		Span and Tributary width (in)								
Window	Transom	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
24.00	18.00	120.0	120.0	108.7	90.1	68.9	53.9	42.9	34.7	28.5
30.00	18.00	120.0	113.4	99.2	80.1	61.2	47.8	38.0	30.7	25.2
36.00	18.00	120.0	104.8	91.9	72.6	55.3	43.1	34.2	27.7	22.7
42.00	18.00	112.6	97.4	85.6	66.4	50.6	39.5	31.3	25.3	20.7
48.00	18.00	105.0	91.1	79.2	61.1	46.7	36.4	28.9	23.3	19.1
54.00	18.00	98.4	85.5	72.5	56.6	43.3	33.8	26.8	21.7	17.7
60.00	18.00	92.6	80.5	66.9	52.8	40.3	31.5	25.1	20.2	16.6
66.00	18.00	87.4	76.1	62.1	49.4	37.8	29.5	23.5	19.0	15.5
72.00	18.00	82.8	71.6	57.9	46.4	35.5	27.8	22.1	17.9	-
78.00	18.00	78.6	67.1	54.3	43.8	33.5	26.2	20.9	16.9	-
84.00	18.00	74.8	63.2	51.1	41.5	31.8	24.8	19.8	16.0	-
90.00	18.00	71.4	59.6	48.2	39.4	30.2	23.6	18.8	15.2	-
96.00	18.00	68.3	56.5	45.7	37.5	28.7	22.5	17.9	-	-

IMPACT RATED UP TO WIND ZONE 3

CHART #3 (24" TRANSOM)

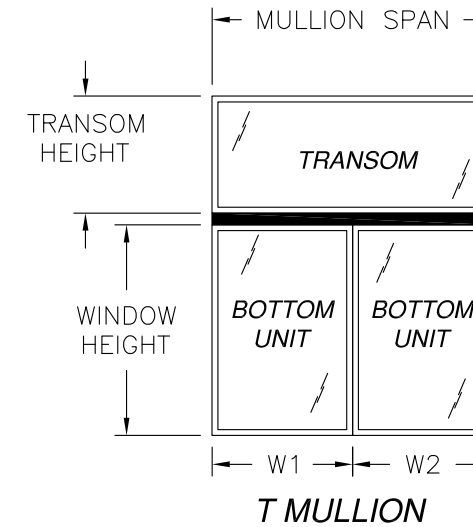
Maximum design pressure capacity chart (psf)										
Height (in)		Span and Tributary width (in)								
Window	Transom	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
24.00	24.00	120.0	111.6	97.6	79.9	61.0	47.6	37.9	30.7	25.2
30.00	24.00	120.0	103.1	89.9	72.0	54.9	42.8	34.0	27.5	22.5
36.00	24.00	111.6	95.9	83.9	65.8	50.1	39.0	31.0	25.0	20.5
42.00	24.00	104.1	89.7	78.6	60.6	46.2	36.0	28.6	23.0	18.8
48.00	24.00	97.6	84.3	73.3	56.2	42.9	33.4	26.5	21.4	17.5
54.00	24.00	91.9	79.5	67.6	52.4	40.0	31.2	24.8	20.0	16.4
60.00	24.00	86.8	75.2	62.7	49.1	37.5	29.3	23.3	18.8	15.4
66.00	24.00	82.2	71.3	58.4	46.2	35.3	27.5	21.9	17.7	-
72.00	24.00	78.1	67.8	54.7	43.6	33.3	26.0	20.7	16.7	-
78.00	24.00	74.4	63.7	51.5	41.3	31.5	24.6	19.6	15.9	-
84.00	24.00	71.0	60.1	48.6	39.2	30.0	23.4	18.6	15.1	-
90.00	24.00	67.9	56.9	46.0	37.3	28.5	22.3	17.8	-	-
96.00	24.00	65.1	54.0	43.7	35.6	27.2	21.3	17.0	-	-

IMPACT RATED UP TO WIND ZONE 3

CHART #4 (30" TRANSOM)

Maximum design pressure capacity chart (psf)										
Height (in)		Span and Tributary width (in)								
Window	Transom	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
24.00	30.00	120.0	103.3	89.9	72.4	55.1	42.9	34.1	27.6	22.6
30.00	30.00	112.6	95.9	83.3	65.8	50.0	39.0	30.9	25.0	20.5
36.00	30.00	105.0	89.7	78.1	60.6	46.1	35.8	28.4	22.9	18.8
42.00	30.00	98.4	84.3	73.5	56.2	42.8	33.3	26.4	21.2	17.4
48.00	30.00	92.6	79.5	68.7	52.4	39.9	31.1	24.6	19.9	16.2
54.00	30.00	87.4	75.2	63.6	49.1	37.4	29.1	23.1	18.6	15.2
60.00	30.00	82.8	71.3	59.2	46.2	35.2	27.4	21.8	17.6	-
66.00	30.00	78.6	67.8	55.4	43.6	33.2	25.9	20.6	16.6	-
72.00	30.00	74.8	64.7	52.1	41.2	31.5	24.6	19.5	15.8	-
78.00	30.00	71.4	61.0	49.1	39.2	29.9	23.3	18.6	-	-
84.00	30.00	68.3	57.7	46.5	37.3	28.5	22.2	17.7	-	-
90.00	30.00	65.4	54.7	44.1	35.6	27.2	21.2	16.9	-	-
96.00	30.00	62.8	52.1	42.0	34.0	26.0	20.3	16.2	-	-

IMPACT RATED UP TO WIND ZONE 3



DESIGN PRESSURE TABLE INSTRUCTIONS:

1. DEFINE REQUIRED DESIGN LOAD PER 2006 IBC CHAPTER 16.
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.
4. IF ACTUAL TRANSOM HEIGHT IS BETWEEN TWO HEIGHTS USE VALUES WITH HIGHER TRANSOM.

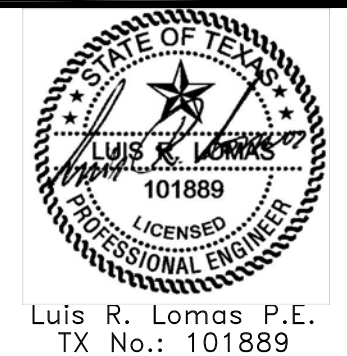
$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

SIGNED: 09/14/2015

VISTAMARK ENTERPRISES, LLC
3637 N HIGHWAY 77, SUITE C
WAXAHACHIE, TX 75165

793.800 HORIZONTAL MULLION
IMPACT
APPROVED CONFIGURATIONS

DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 2 OF 11



Luis R. Lomas P.E.
TX No.: 101889

THESE CHARTS APPLY TO TRIPLE W/SINGLE TRANSOM CONFIGURATIONS WITH FOUR DIFFERENT TRANSOM HEIGHTS

CHART #5 (12" TRANSOM)

Maximum design pressure capacity chart (psf)								
Height (in)		Span and Tributary width (in)						
		72.00	81.00	90.00	99.00	108.00	117.00	126.00
Window	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00
24.00	12.00	83.3	58.2	42.2	31.6	24.3	19.0	15.2
30.00	12.00	72.2	50.4	36.6	27.3	21.0	16.4	-
36.00	12.00	63.7	44.5	32.3	24.1	18.5	-	-
42.00	12.00	57.0	39.8	28.9	21.6	16.6	-	-
48.00	12.00	51.5	36.0	26.2	19.6	15.0	-	-
54.00	12.00	47.0	32.9	23.9	17.9	-	-	-
60.00	12.00	43.3	30.3	22.0	16.5	-	-	-
66.00	12.00	40.1	28.0	20.4	15.3	-	-	-
72.00	12.00	37.3	26.1	19.0	-	-	-	-
78.00	12.00	34.9	24.4	17.8	-	-	-	-
84.00	12.00	32.8	23.0	16.7	-	-	-	-
90.00	12.00	30.9	21.6	15.7	-	-	-	-
96.00	12.00	29.2	20.5	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

CHART #6 (18" TRANSOM)

Maximum design pressure capacity chart (psf)								
Height (in)		Span and Tributary width (in)						
		72.00	81.00	90.00	99.00	108.00	117.00	
Window	Transom	24.00	27.00	30.00	33.00	36.00	39.00	
24.00	18.00	71.8	50.1	36.3	27.2	20.9	16.4	
30.00	18.00	63.4	44.2	32.0	24.0	18.4	-	
36.00	18.00	56.7	39.6	28.7	21.5	16.5	-	
42.00	18.00	51.3	35.9	26.0	19.5	-	-	
48.00	18.00	46.9	32.8	23.8	17.8	-	-	
54.00	18.00	43.1	30.2	21.9	16.4	-	-	
60.00	18.00	39.9	27.9	20.3	15.2	-	-	
66.00	18.00	37.2	26.0	18.9	-	-	-	
72.00	18.00	34.8	24.3	17.7	-	-	-	
78.00	18.00	32.7	22.9	16.6	-	-	-	
84.00	18.00	30.8	21.6	15.7	-	-	-	
90.00	18.00	29.2	20.4	-	-	-	-	
96.00	18.00	27.7	19.4	-	-	-	-	

IMPACT RATED UP TO WIND ZONE 3

CHART #7 (24" TRANSOM)

Maximum design pressure capacity chart (psf)							
Height (in)		Span and Tributary width (in)					
		72.00	81.00	90.00	99.00	108.00	
Window	Transom	24.00	27.00	30.00	33.00	36.00	
24.00	24.00	63.4	44.2	32.0	23.9	18.4	
30.00	24.00	56.8	39.6	28.6	21.4	16.4	
36.00	24.00	51.4	35.8	25.9	19.4	-	
42.00	24.00	46.9	32.7	23.7	17.7	-	
48.00	24.00	43.2	30.1	21.8	16.3	-	
54.00	24.00	40.0	27.9	20.2	15.1	-	
60.00	24.00	37.2	26.0	18.9	-	-	
66.00	24.00	34.8	24.3	17.7	-	-	
72.00	24.00	32.7	22.9	16.6	-	-	
78.00	24.00	30.8	21.6	15.7	-	-	
84.00	24.00	29.2	20.4	-	-	-	
90.00	24.00	27.7	19.4	-	-	-	
96.00	24.00	26.3	18.4	-	-	-	

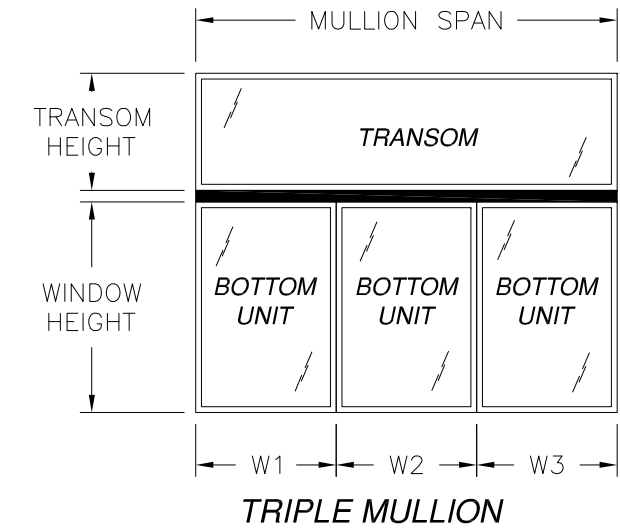
IMPACT RATED UP TO WIND ZONE 3

CHART #8 (30" TRANSOM)

Maximum design pressure capacity chart (psf)							
Height (in)		Span and Tributary width (in)					
		72.00	81.00	90.00	99.00	108.00	
Window	Transom	24.00	27.00	30.00	33.00	36.00	
24.00	30.00	57.3	39.8	28.7	21.4	16.4	
30.00	30.00	51.8	36.0	26.0	19.4	-	
36.00	30.00	47.2	32.9	23.8	17.7	-	
42.00	30.00	43.4	30.2	21.9	16.3	-	
48.00	30.00	40.2	28.0	20.3	15.1	-	
54.00	30.00	37.4	26.1	18.9	-	-	
60.00	30.00	35.0	24.4	17.7	-	-	
66.00	30.00	32.9	22.9	16.6	-	-	
72.00	30.00	31.0	21.6	15.7	-	-	
78.00	30.00	29.3	20.5	-	-	-	
84.00	30.00	27.8	19.4	-	-	-	
90.00	30.00	26.4	18.5	-	-	-	
96.00	30.00	25.2	17.6	-	-	-	

IMPACT RATED UP TO WIND ZONE 3

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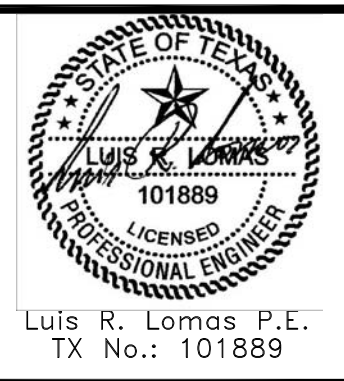
DESIGN PRESSURE TABLE INSTRUCTIONS:

1. DEFINE REQUIRED DESIGN LOAD WITH 2006 IBC CHAPTER 16.
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.
4. IF ACTUAL TRANSOM HEIGHT IS BETWEEN TWO HEIGHTS USE VALUES WITH HIGHER TRANSOM.

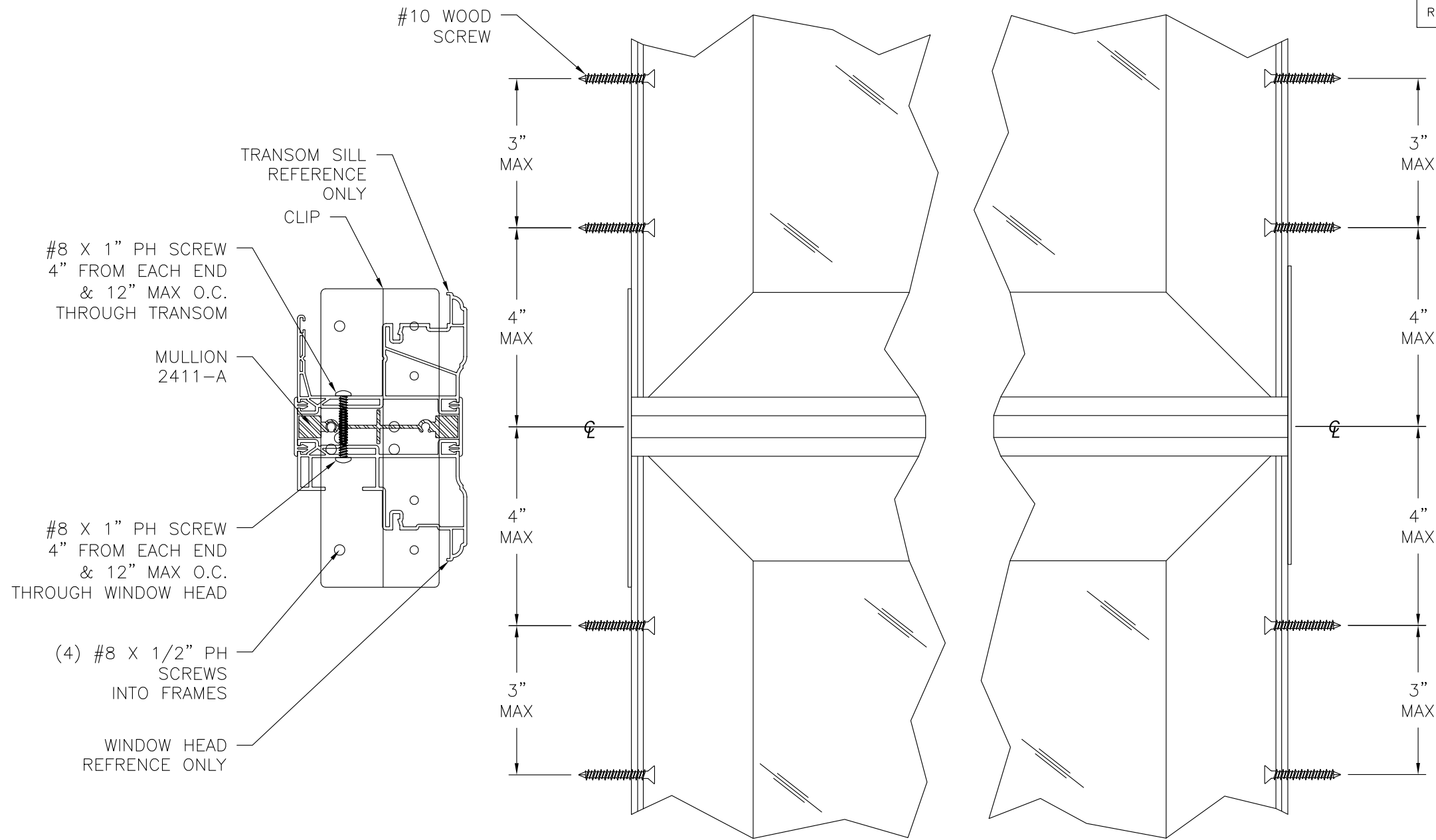
$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2 + W3}{3}$$

SIGNED: 09/14/2015

VISTAMARK ENTERPRISES, LLC 3637 N HIGHWAY 77, SUITE C WAXAHACHIE, TX 75165		
793.800 HORIZONTAL MULLION IMPACT APPROVED CONFIGURATIONS		
DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 3 OF 11



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#8 X 1" PH SCREW
4" FROM EACH END
& 12" MAX O.C.
THROUGH TRANSOM

MULLION
2411-A

#8 X 1" PH SCREW
4" FROM EACH END
& 12" MAX O.C.
THROUGH WINDOW HEAD

(4) #8 X 1/2" PH
SCREWS
INTO FRAMES

WINDOW HEAD
REFERENCE ONLY

#10 WOOD
SCREW

TRANSOM SILL
REFERENCE
ONLY

CLIP

3"
MAX

4"
MAX

4"
MAX

3"
MAX

3"
MAX

4"
MAX

4"
MAX

3"
MAX

1 1/4" EMBEDMENT

1/2" MIN.
EDGE DISTANCE

#10 WOOD
SCREW

WOOD FRAMING OR
2X BUCK
BY OTHERS

WINDOW JAMB
REFERENCE ONLY

(4) #8 X 1/2" PH
SCREWS
INTO FRAME

CLIP

VERTICAL SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

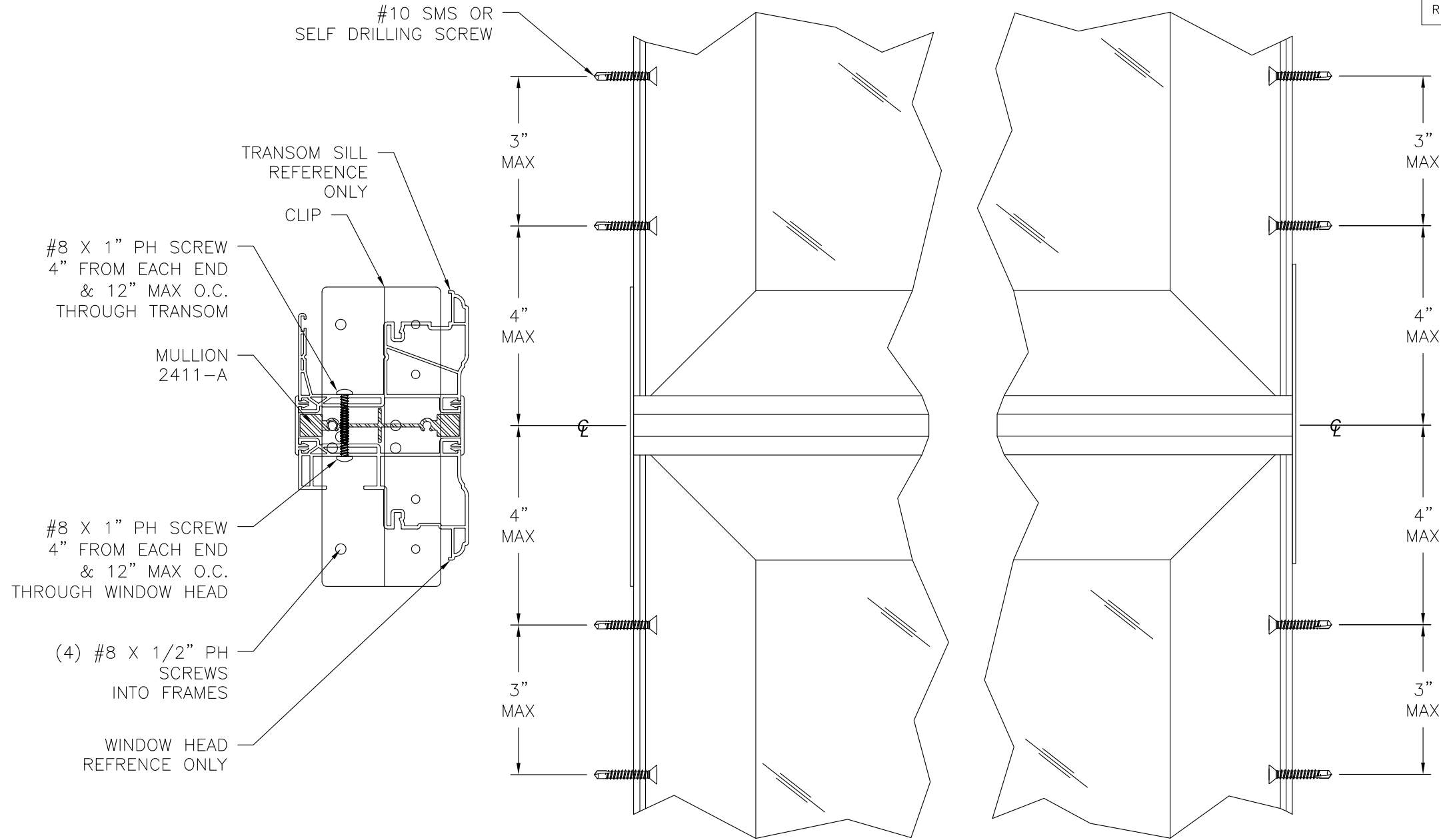
SIGNED: 09/14/2015

VISTAMARK ENTERPRISES, LLC 3637 N HIGHWAY 77, SUITE C WAXAHACHIE, TX 75165		
793.800 HORIZONTAL MULLION IMPACT REPLACEMENT INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 4 OF 11



Luis R. Lomas P.E.
TX No.: 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



#8 X 1" PH SCREW
4" FROM EACH END
& 12" MAX O.C.
THROUGH TRANSOM

MULLION
2411-A

#8 X 1" PH SCREW
4" FROM EACH END
& 12" MAX O.C.
THROUGH WINDOW HEAD

(4) #8 X 1/2" PH
SCREWS
INTO FRAMES

WINDOW HEAD
REFERENCE ONLY

TRANSOM SILL
REFERENCE
ONLY

CLIP

#10 SMS OR
SELF DRILLING SCREW

3"
MAX

4"
MAX

4"
MAX

3"
MAX

3"
MAX

4"
MAX

4"
MAX

3"
MAX

3/4" MIN.
EDGE DISTANCE

#10 SMS OR
SELF DRILLING SCREW

METAL STRUCTURE
BY OTHERS

WINDOW JAMB
REFERENCE ONLY

(4) #8 X 1/2" PH
SCREWS
INTO FRAME

CLIP

VERTICAL SECTION
METAL STRUCTURE INSTALLATION

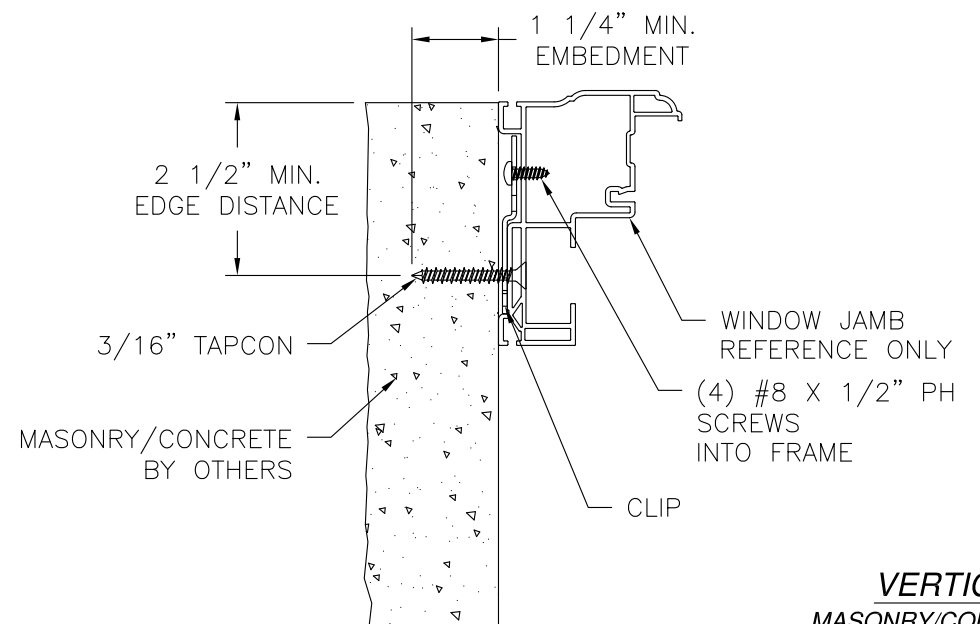
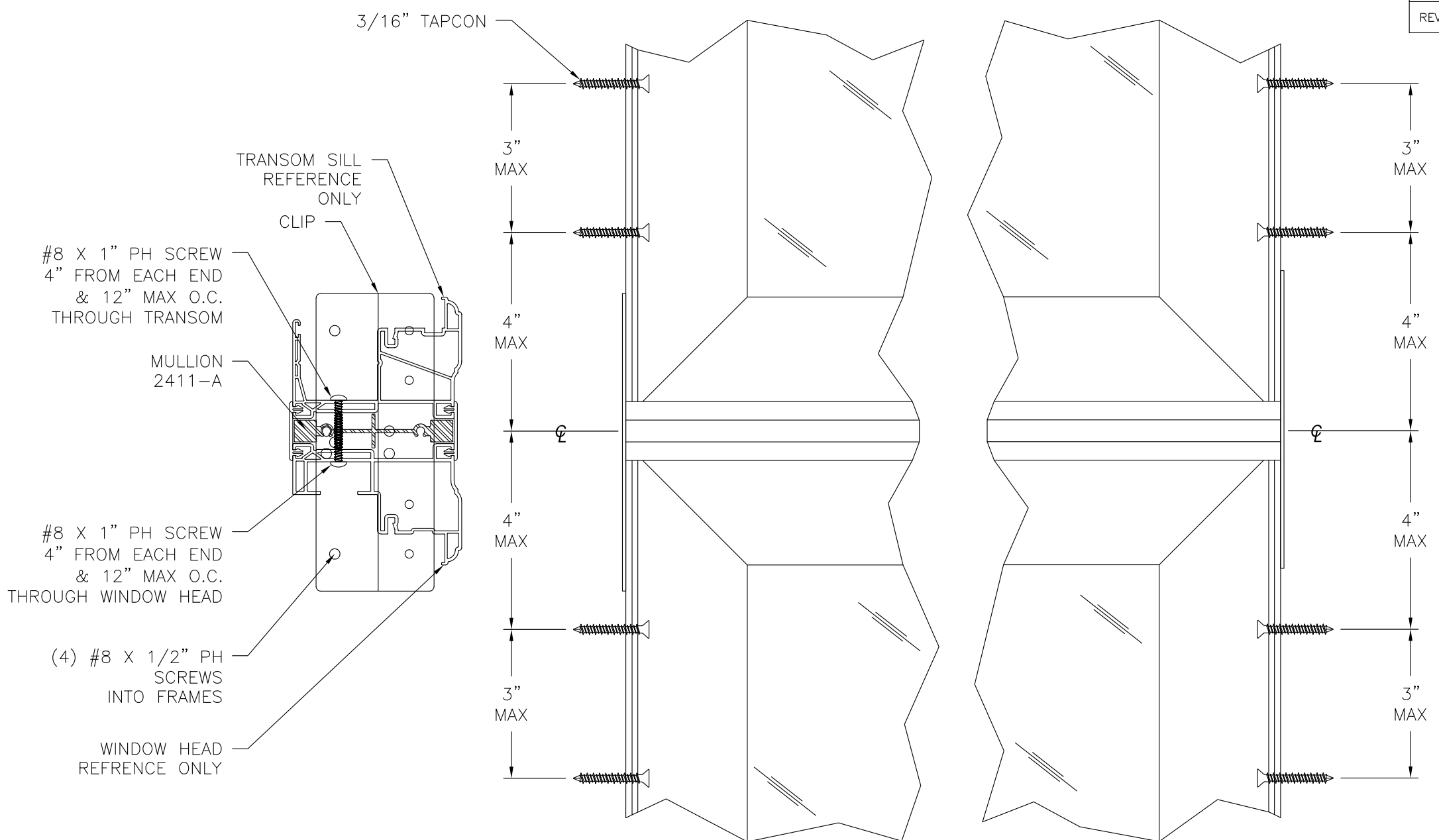
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VISTAMARK ENTERPRISES, LLC 3637 N HIGHWAY 77, SUITE C WAXAHACHIE, TX 75165		
793.800 HORIZONTAL MULLION IMPACT REPLACEMENT INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 5 OF 11



Luis R. Lomas P.E.
TX No.: 101889

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VERTICAL SECTION
MASONRY/CONCRETE INSTALLATION

VISTAMARK ENTERPRISES, LLC
3637 N HIGHWAY 77, SUITE C
WAXAHACHIE, TX 75165

793.800 HORIZONTAL MULLION
IMPACT
REPLACEMENT INSTALLATION DETAILS

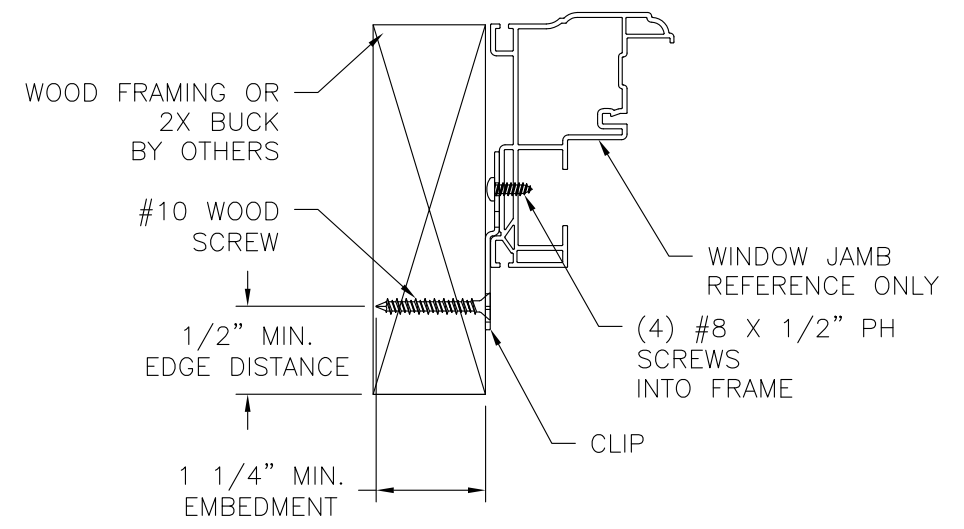
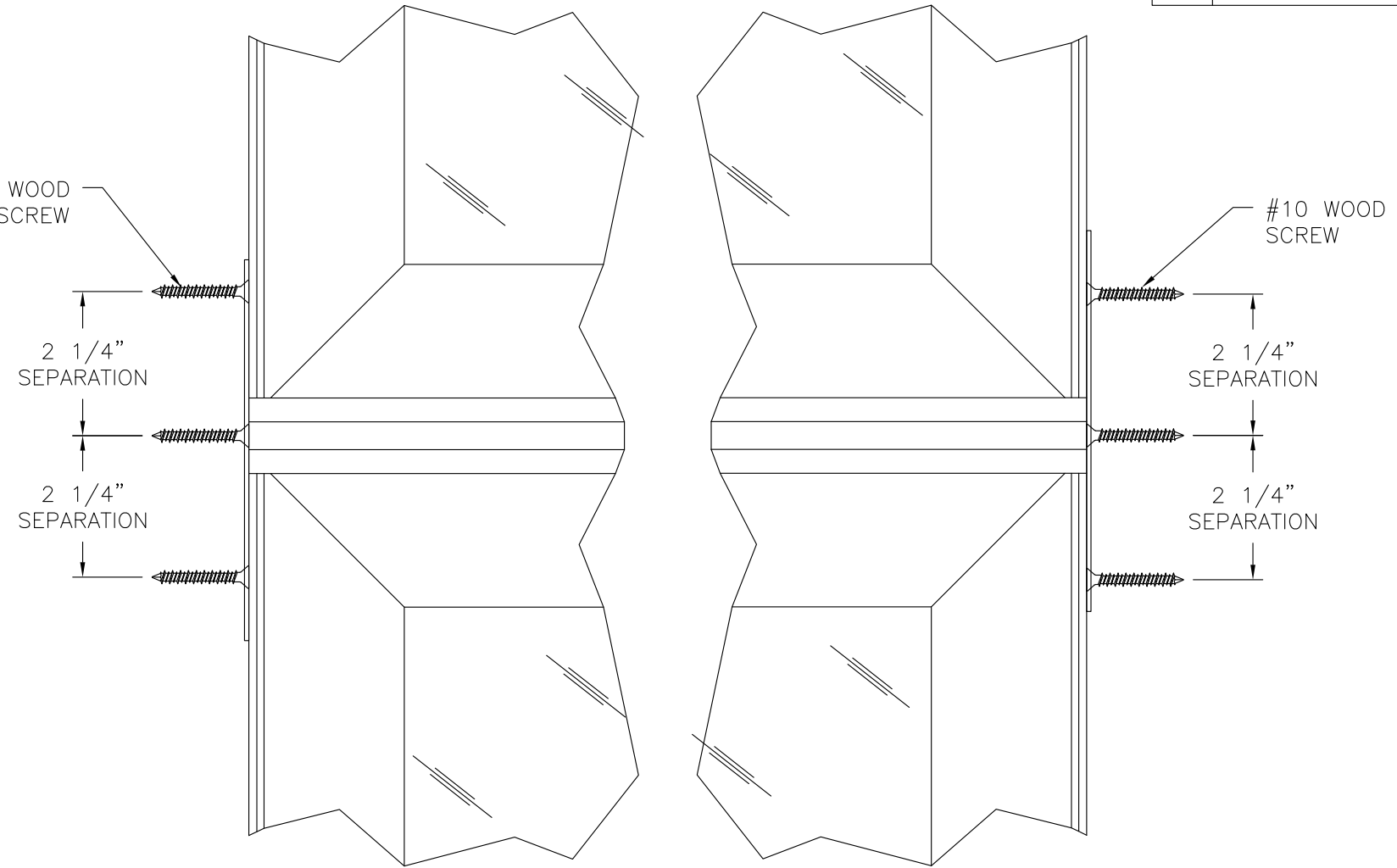
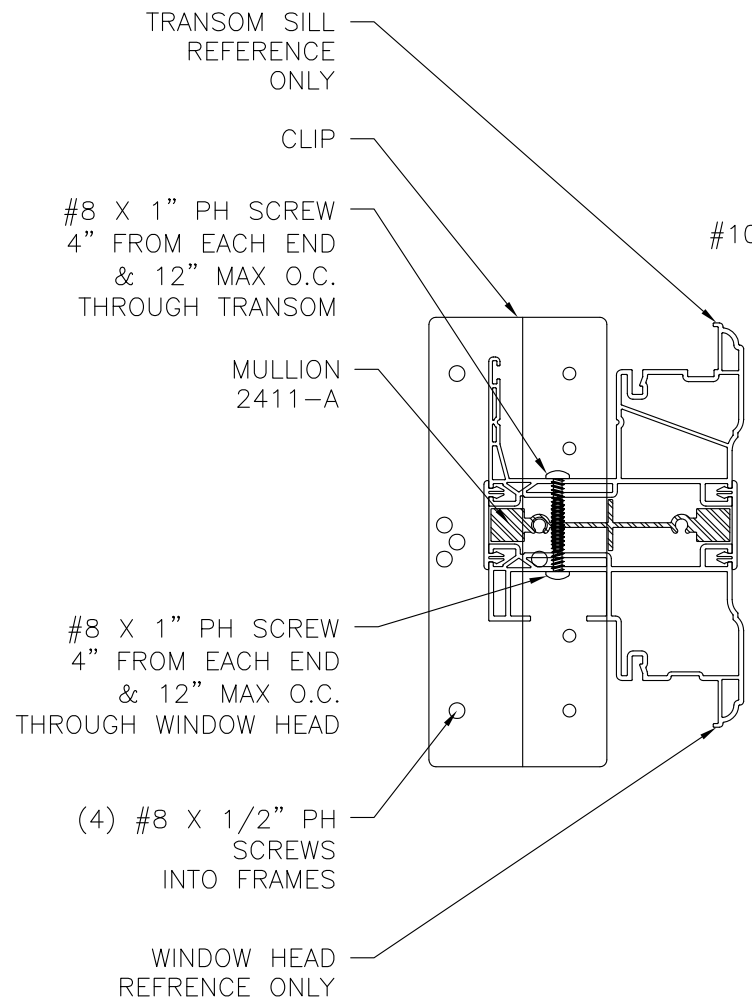
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SCALE NTS	DATE 07/23/2015	SHEET 6 OF 11

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VERTICAL SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

VISTAMARK ENTERPRISES, LLC
3637 N HIGHWAY 77, SUITE C
WAXAHACHIE, TX 75165

793.800 HORIZONTAL MULLION
IMPACT
NEW CONSTRUCTION INSTALLATION DETAILS

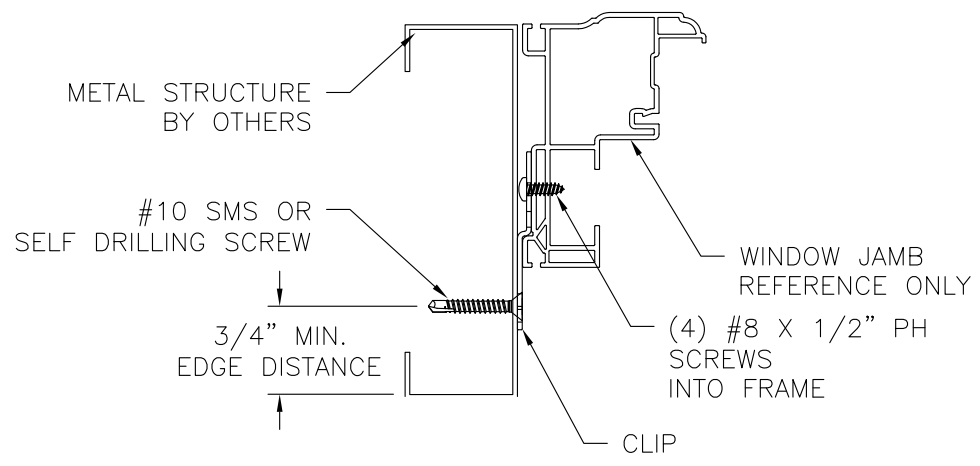
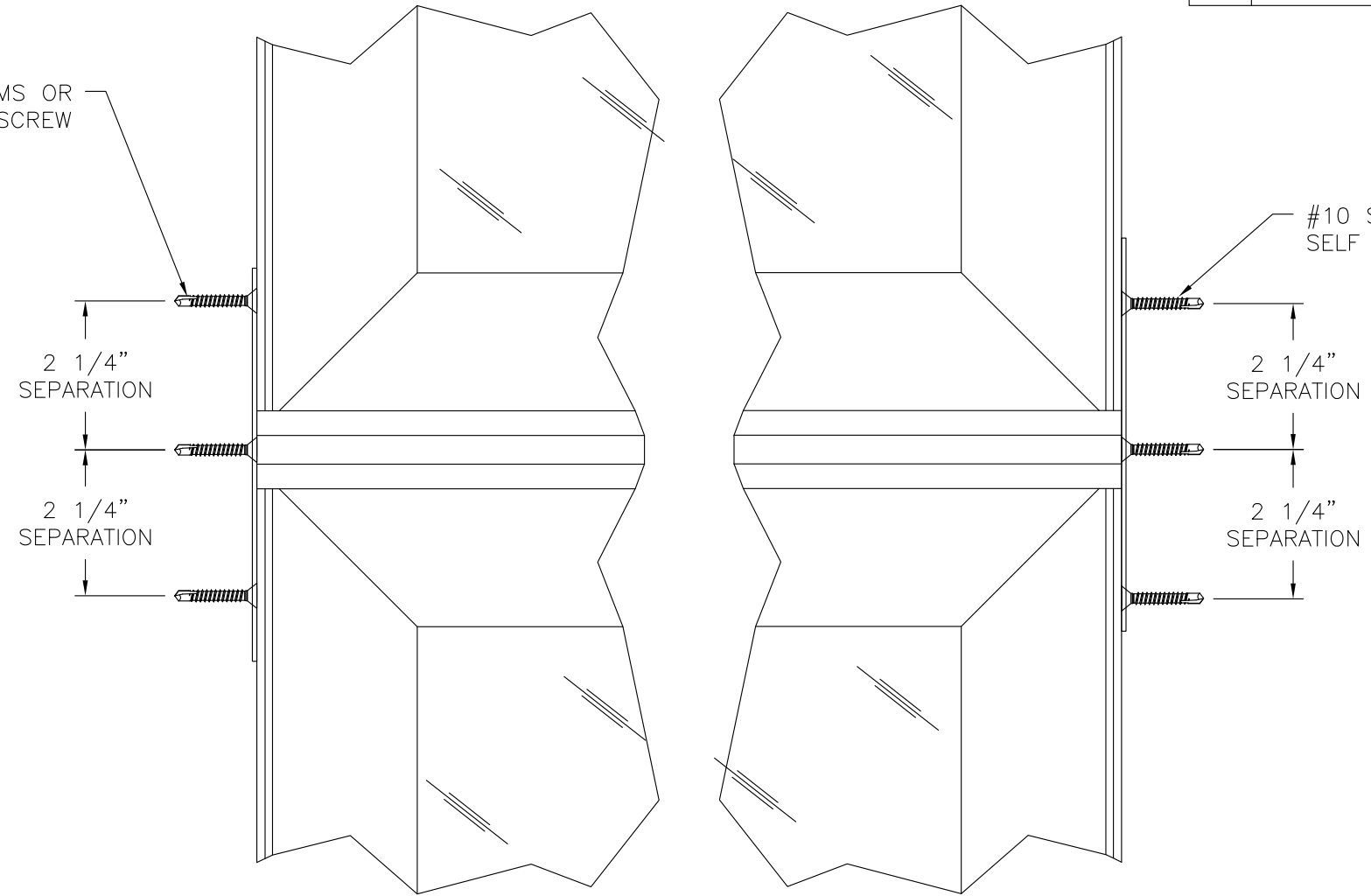
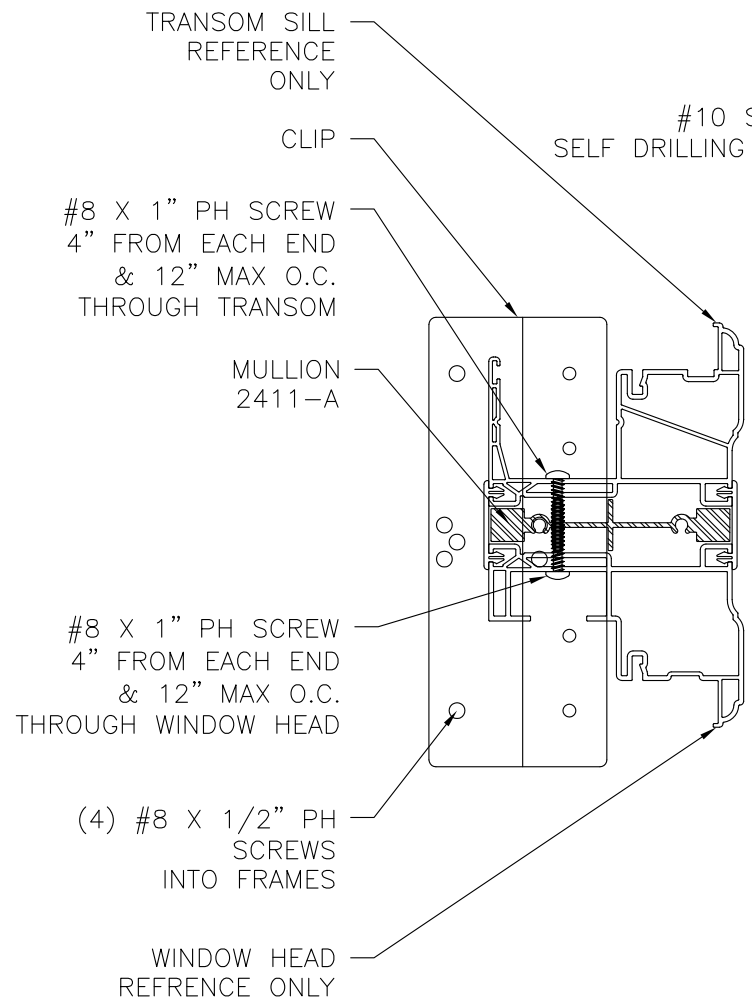
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VERTICAL SECTION
METAL STRUCTURE INSTALLATION

VISTAMARK ENTERPRISES, LLC
3637 N HIGHWAY 77, SUITE C
WAXAHACHIE, TX 75165

793.800 HORIZONTAL MULLION
IMPACT
NEW CONSTRUCTION INSTALLATION DETAILS

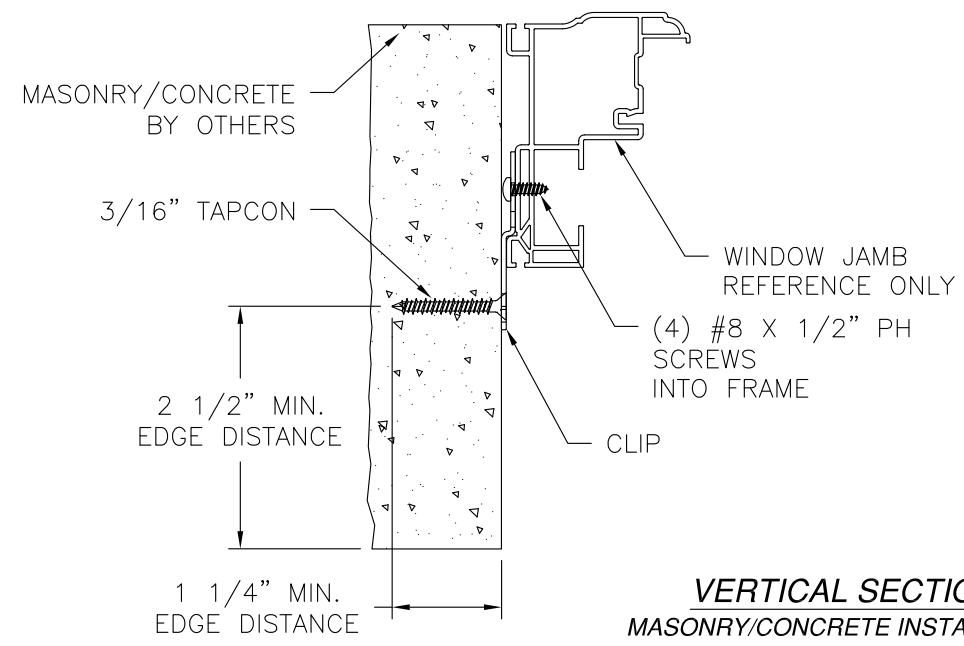
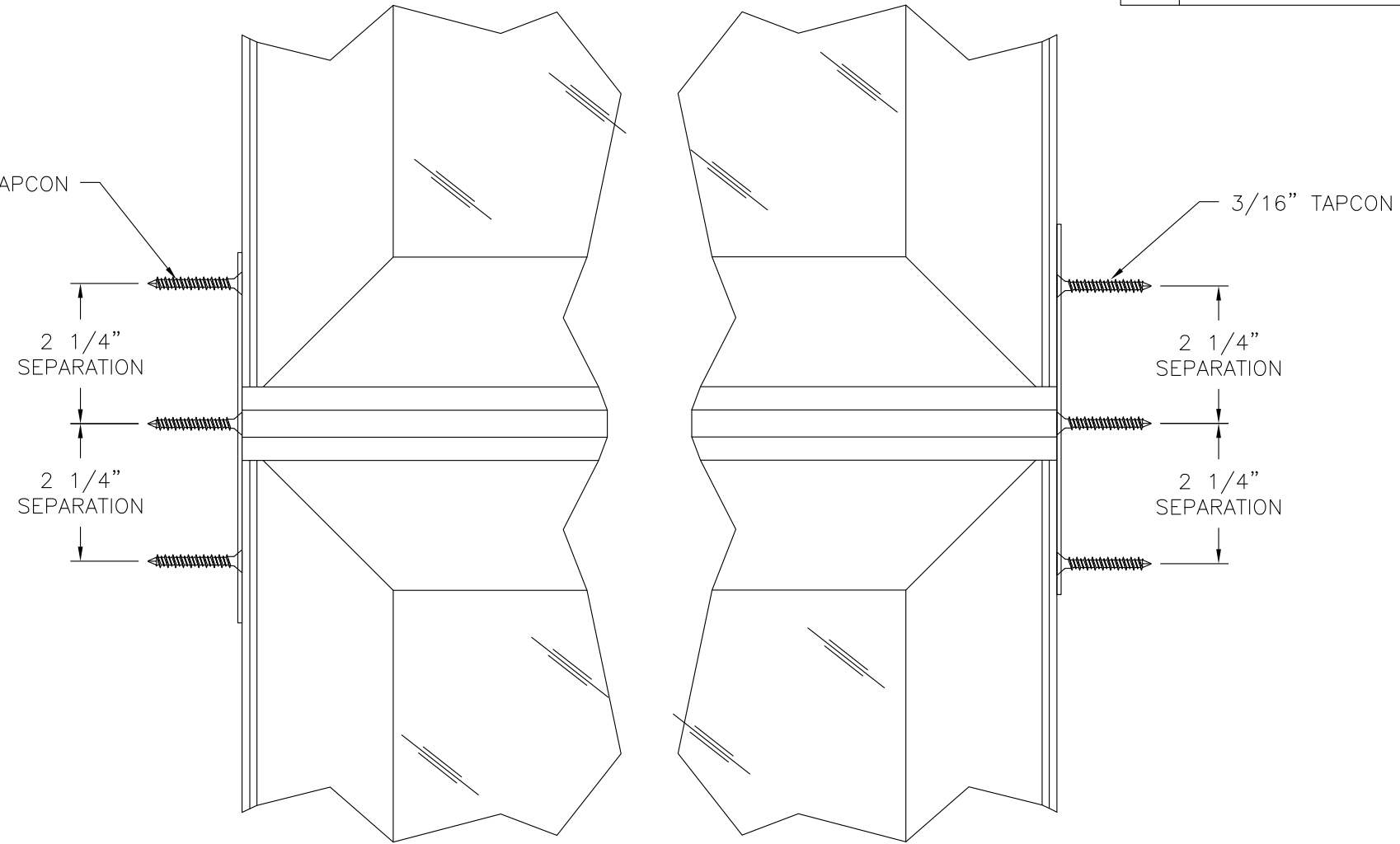
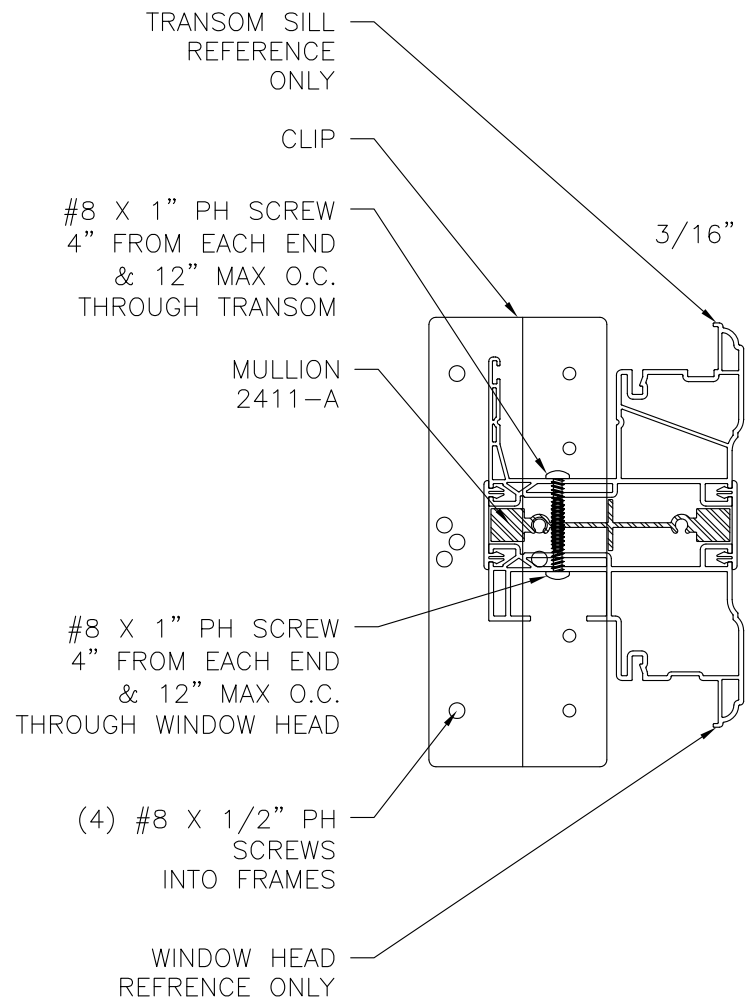
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VERTICAL SECTION
MASONRY/CONCRETE INSTALLATION

VISTAMARK ENTERPRISES, LLC
3637 N HIGHWAY 77, SUITE C
WAXAHACHIE, TX 75165

793.800 HORIZONTAL MULLION
IMPACT
NEW CONSTRUCTION INSTALLATION DETAILS

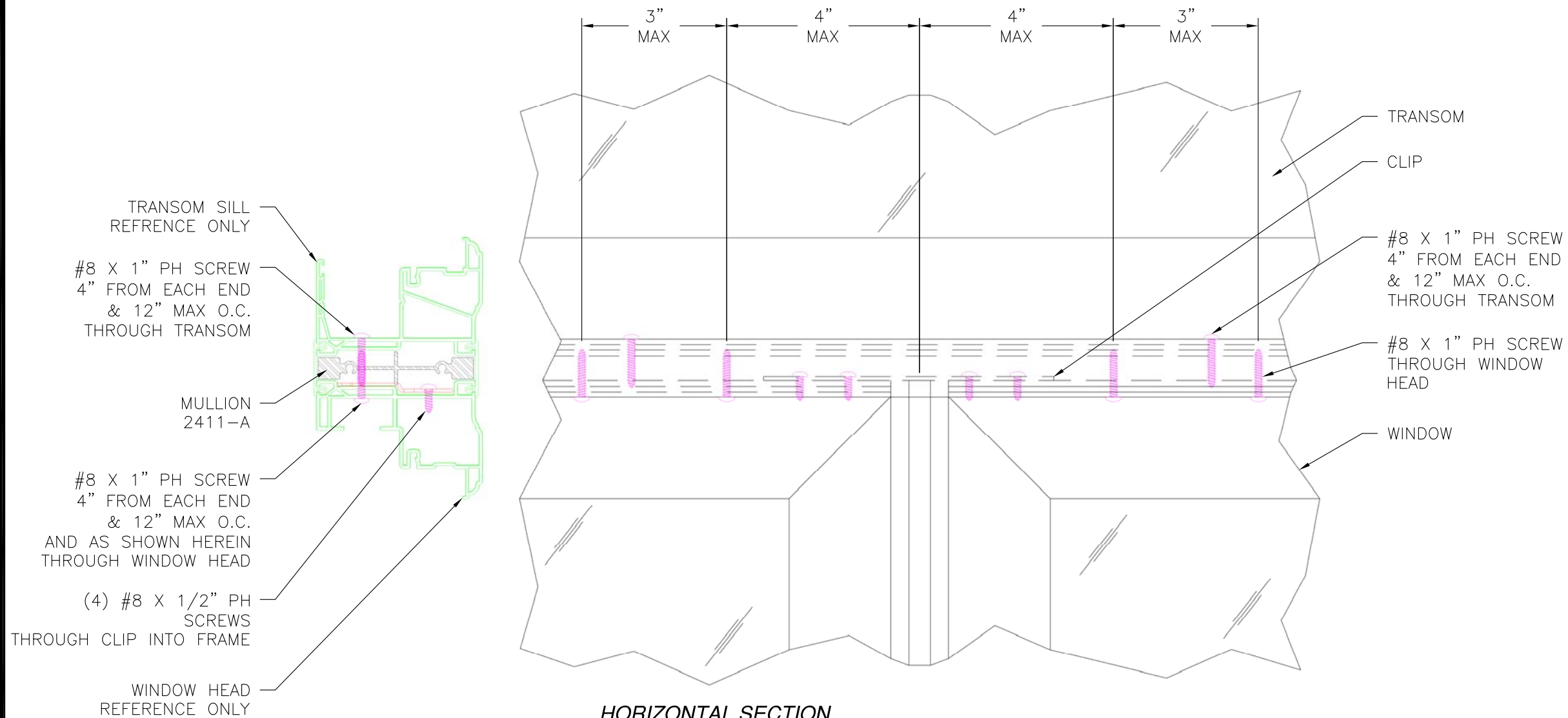
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HORIZONTAL SECTION
 VERTICAL TO HORIZONTAL MULLION CONNECTION
 T MULLION ANCHORAGE/INSTALLATION SHOWN, TRIPLE CONFIGURATION SIMILAR.

TRANSOM SILL
 REFERENCE ONLY

#8 X 1" PH SCREW
 4" FROM EACH END
 & 12" MAX O.C.
 THROUGH TRANSOM

MULLION
 2411-A

#8 X 1" PH SCREW
 4" FROM EACH END
 & 12" MAX O.C.
 AND AS SHOWN HEREIN
 THROUGH WINDOW HEAD

(4) #8 X 1/2" PH
 SCREWS
 THROUGH CLIP INTO FRAME

WINDOW HEAD
 REFERENCE ONLY

TRANSOM

CLIP

#8 X 1" PH SCREW
 4" FROM EACH END
 & 12" MAX O.C.
 THROUGH TRANSOM

#8 X 1" PH SCREW
 THROUGH WINDOW
 HEAD

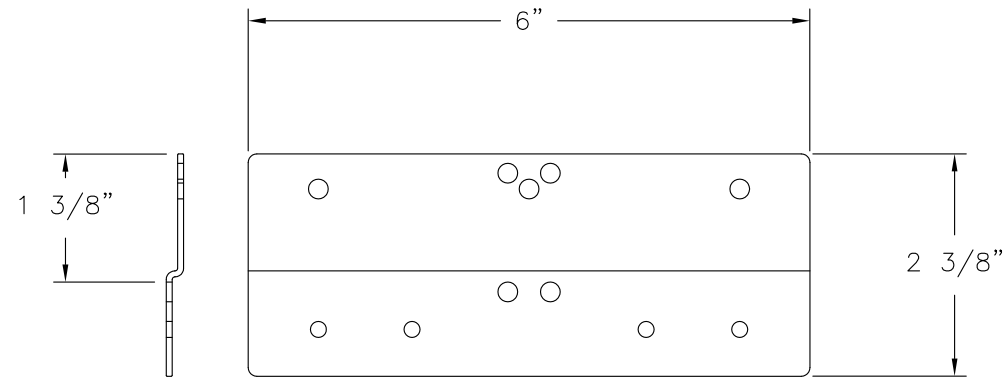
WINDOW

SIGNED: 09/14/2015

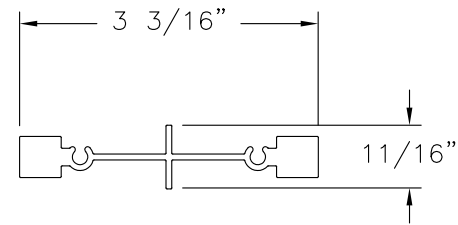
VISTAMARK ENTERPRISES, LLC 3637 N HIGHWAY 77, SUITE C WAXAHACHIE, TX 75165		
793.800 HORIZONTAL MULLION IMPACT INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 10 OF 11

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 TX No.: 101889

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CLIP DETAIL
GALVANIZED STEEL .0635" THICK



MULLION PART 2411-A
ALUMINUM 6063-T6
MOMENT OF INERTIA: .861 IN⁴
SECTION MODULUS: .540 IN³

SIGNED: 09/14/2015

VISTAMARK ENTERPRISES, LLC 3637 N HIGHWAY 77, SUITE C WAXAHACHIE, TX 75165		
793.800 HORIZONTAL MULLION IMPACT COMPONENTS		
DRAWN: R.L.	DWG NO. 08-02750	REV -
SCALE NTS	DATE 07/23/2015	SHEET 11 OF 11



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