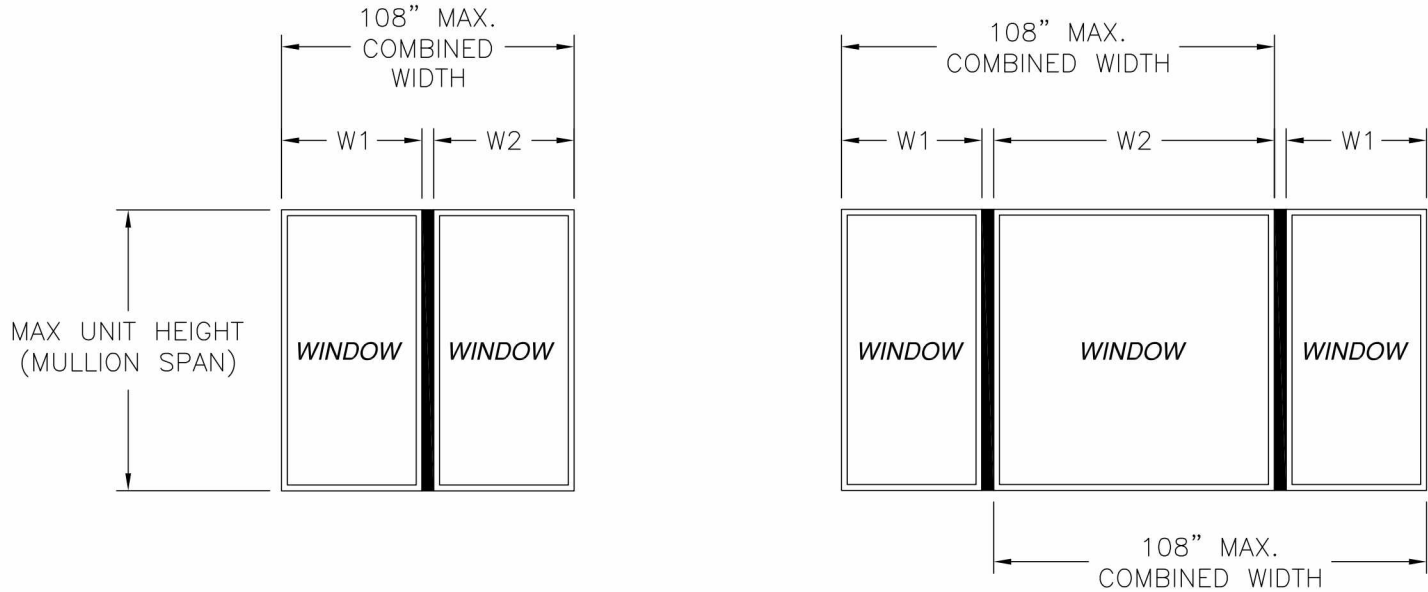




Design Pressure Rating (psf)						
Mullion span (in)	Tributary width (in)					
	24.00	30.00	36.00	42.00	48.00	54.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	112.5	100.0
42.00	120.0	120.0	120.0	110.2	96.4	85.7
48.00	120.0	120.0	112.5	96.4	84.4	75.0
54.00	120.0	120.0	100.0	85.7	75.0	66.7
60.00	120.0	108.0	90.0	77.1	67.5	60.0
66.00	120.0	98.2	81.8	70.1	61.4	54.5
72.00	112.5	90.0	75.0	64.3	56.3	50.0

IMPACT RATED UP TO WIND ZONE 3

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1) DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE 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.

TRIBUTARY WIDTH =

W1

+

W2

2

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, NOTES AND DESIGN PRESSURE CHART
2 – 4	INSTALLATION DETAILS
5	COMPONENTS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	09/15/15	R.L.

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 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) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 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 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 COMFORT VIEW PRODUCTS, LLC..
- 8) DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT.
- 9) UNITS MAY BE MULLED TOGETHER INDEFINITELY AS LONG AS SINGLE UNIT WIDTH AND HEIGHT ARE NOT EXCEEDED AND MULLION IS ANCHORED AS SHOWN HEREIN.
- 10) MULLION VERTICAL INSTALLATION IS SHOWN, MULLION MAY BE USED IN HORIZONTAL APPLICATIONS.
- 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.

- DESIGN PRESSURE TABLE INSTRUCTIONS:
- 1) DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE 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.

COMFORT VIEW PRODUCTS, LLC
320 COWETA INDUSTRIAL PARKWAY
NEWNAN, GA 30265

H MULLION, REINFORCED
VERTICAL
ELEVATION AND NOTES

DRAWN:
R.L.

DWG NO.
08-01264

REV
A

SCALE NTS

DATE 06/27/11

SHEET 1 OF 5

SIGNED: 09/15/2015

LUIS R. LOMAS

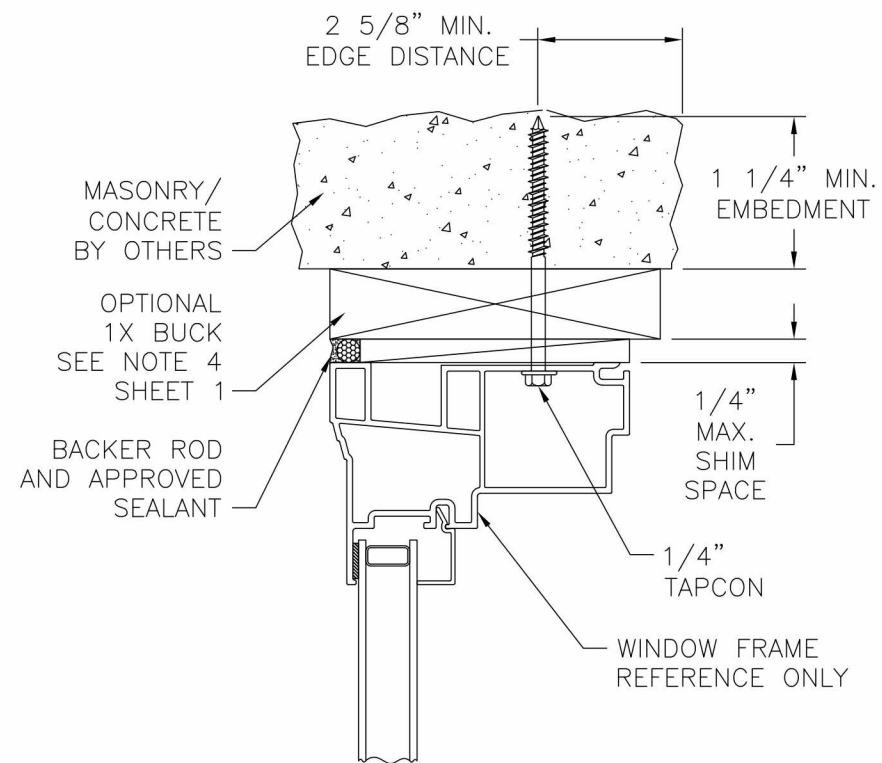
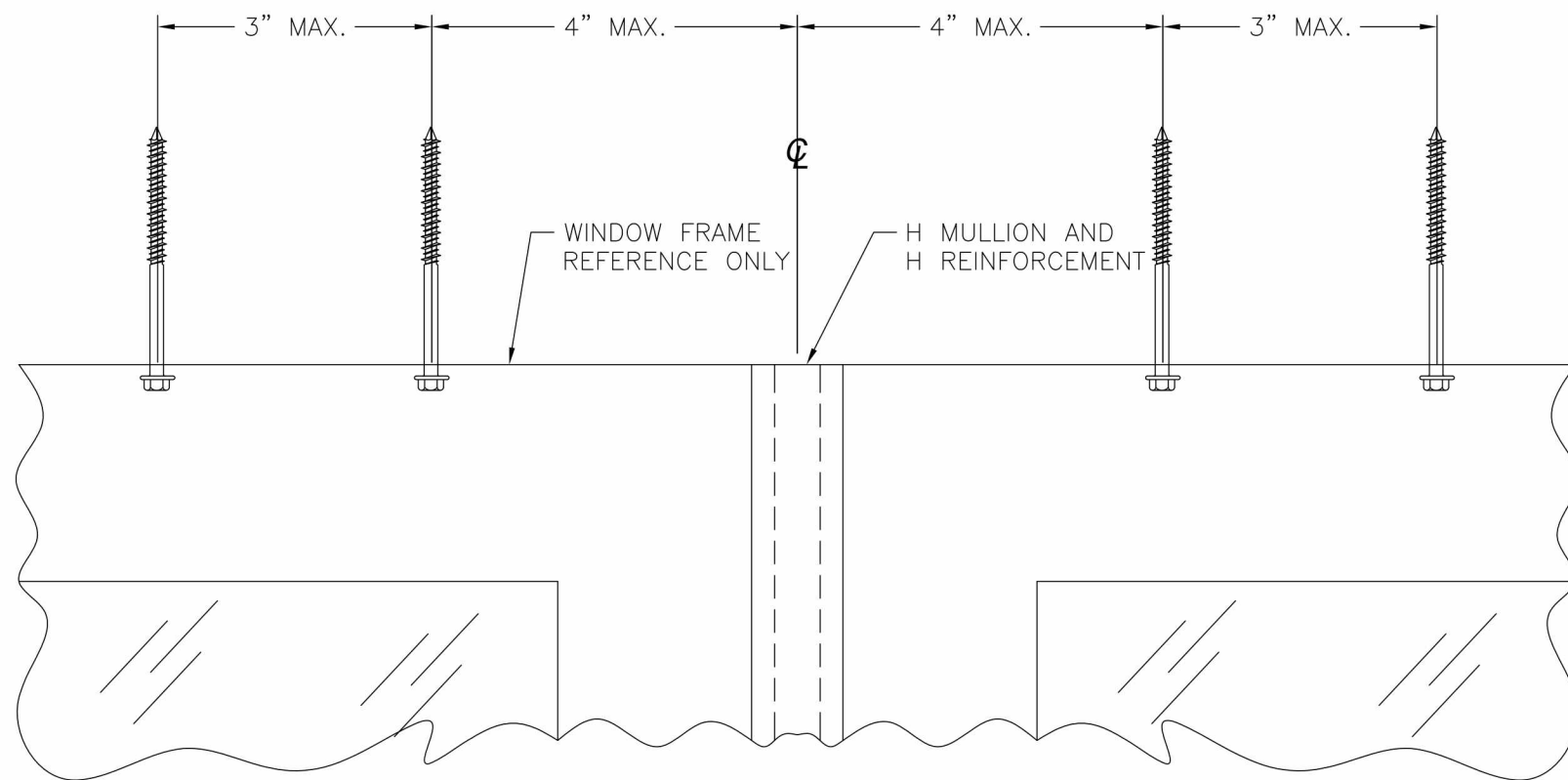
LICENSE

No. 62514

STATE OF

FLORIDA

PROFESSIONAL ENGINEER



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	09/15/15	R.L.

MASONRY MULLION INSTALLATION DETAIL
HEAD SHOWN SILL SIMILAR
FOR NUMBER OF ANCHORS REQUIRED REFER TO CHART

ANCHORING NOTES:

- 1) FOR ANCHORING INTO MASONRY USE 1/4" 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 THROUGH FRAME USE #12 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 3) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK THROUGH CLIP USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE AND #10X1 1/4" SELF DRILLING SCREW TO ANCHOR CLIP TO WINDOW FRAME. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4) FOR ATTACHING WINDOW UNITS TO MULLION USE #8 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 12" 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).

Anchors required into masonry at each mullion end						
Mullion span (in)	Tributary width (in)					
	24.00	30.00	36.00	42.00	48.00	54.00
24.00	2	2	2	2	2	2
30.00	2	2	2	2	2	2
36.00	2	2	2	2	2	2
42.00	2	2	2	2	2	2
48.00	2	4	4	4	2	2
54.00	4	4	4	4	4	2
60.00	4	4	4	4	4	4
66.00	4	4	4	4	4	4
72.00	4	4	4	4	4	4

SIGNED: 09/15/2015

COMFORT VIEW PRODUCTS, LLC
320 COWETA INDUSTRIAL PARKWAY
NEWNAN, GA 30265

H MULLION, REINFORCED
VERTICAL
MASONRY INSTALLATION DETAILS

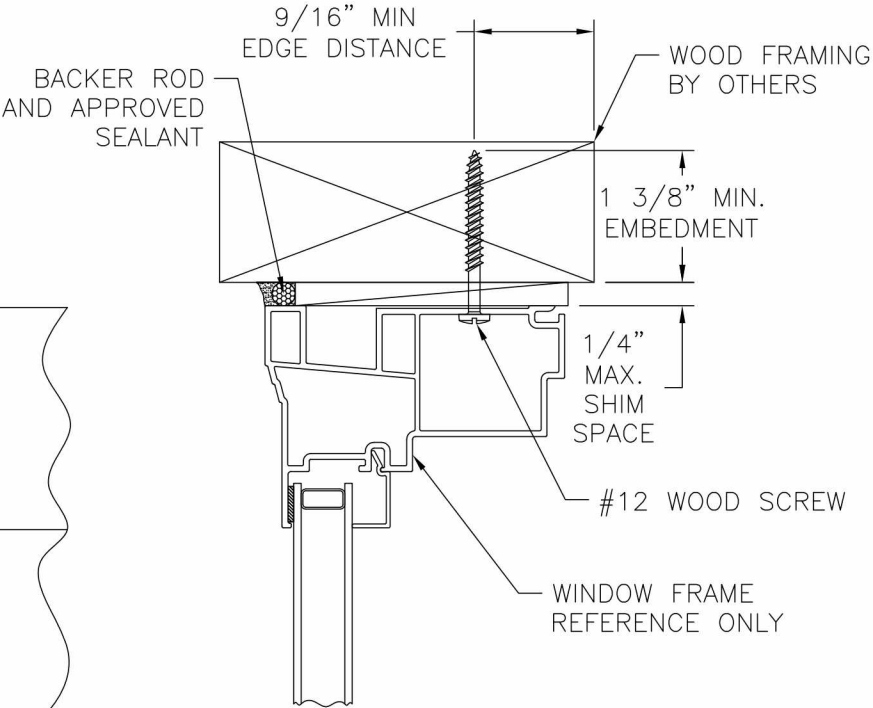
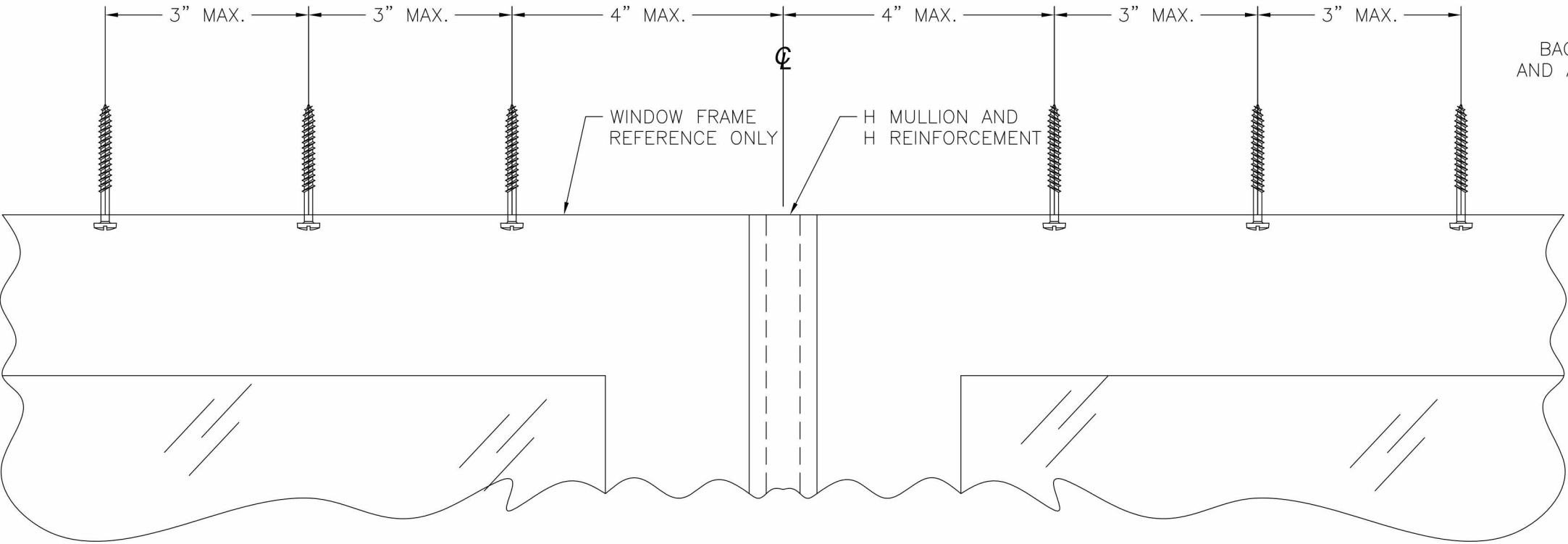
DRAWN:
R.L.

DWG NO.
08-01264

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SCALE NTS DATE 06/27/11 SHEET 2 OF 5

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	09/15/15	R.L.



WOOD FRAMING MULLION INSTALLATION DETAIL
 HEAD SHOWN SILL SIMILAR
 FOR NUMBER OF ANCHORS REQUIRED REFER TO CHART
 LOCATE ANCHORS 3" MAX. O.C.

Anchors required into wood framing at each mullion end						
Mullion span (in)	Tributary width (in)					
	24.00	30.00	36.00	42.00	48.00	54.00
24.00	2	2	2	2	2	2
30.00	4	4	4	4	4	4
36.00	4	4	4	4	4	4
42.00	4	6	6	6	4	4
48.00	6	6	6	6	6	4
54.00	6	8	6	6	6	6
60.00	8	8	8	6	6	6
66.00	8	8	8	6	6	6
72.00	8	8	8	8	6	6

SIGNED: 09/15/2015

COMFORT VIEW PRODUCTS, LLC
 320 COWETA INDUSTRIAL PARKWAY
 NEWNAN, GA 30265

H MULLION, REINFORCED
 VERTICAL
 TROUGH FRAME INSTALLATION INTO WOOD FRAMING

DRAWN:
R.L.

DWG NO.
08-01264

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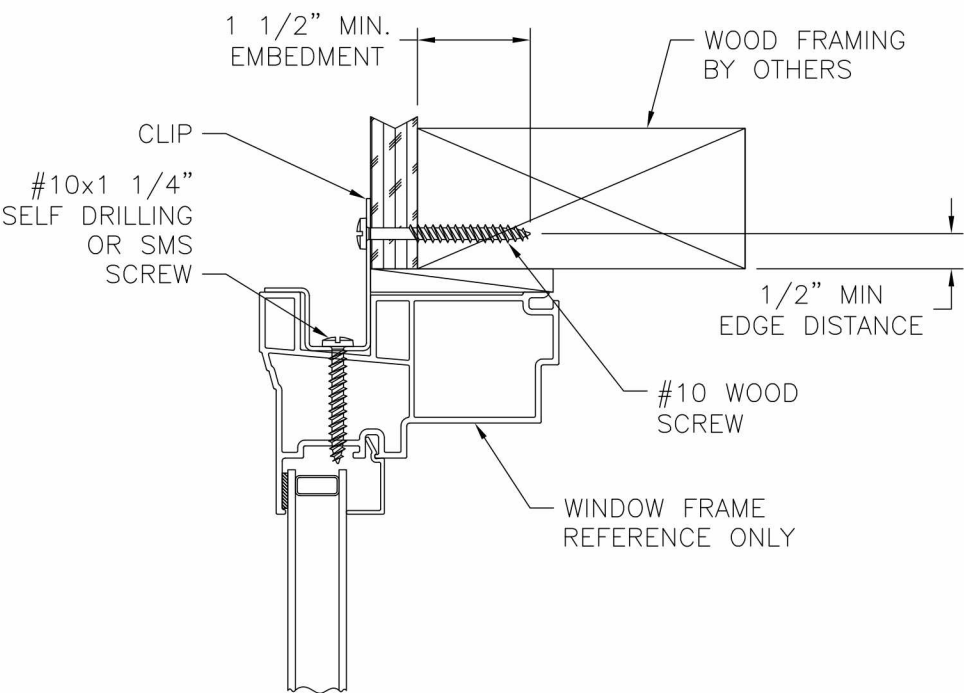
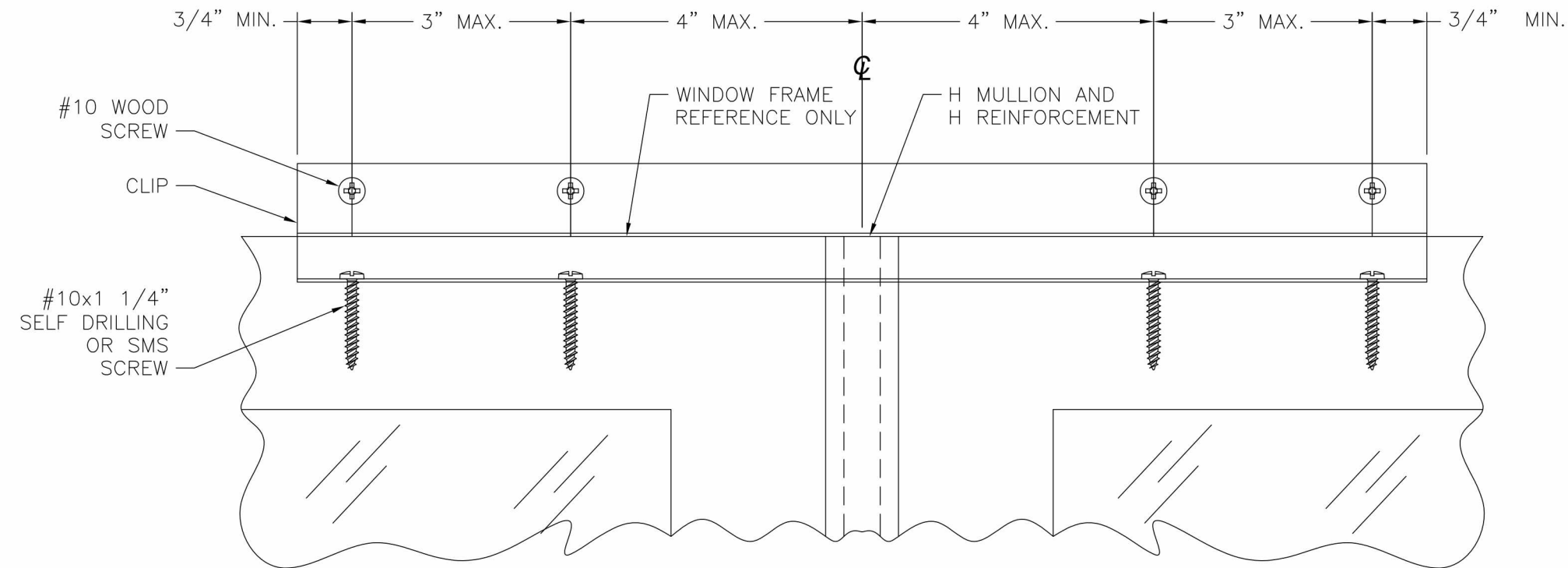
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DATE 06/27/11

SHEET 3 OF 5



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	09/15/15	R.L.



WOOD FRAMING MULLION WITH CLIP INSTALLATION DETAIL
 HEAD SHOWN SILL SIMILAR
 IF MORE ANCHORS NEEDED LOCATE THEM AT 3" O.C. SEE CHART

Anchors required into wood framing with clip at each mullion end

Mullion span (in)	Tributary width (in)					
	24.00	30.00	36.00	42.00	48.00	54.00
24.00	2	2	2	2	2	2
30.00	2	2	2	2	2	2
36.00	2	2	2	2	2	2
42.00	2	4	4	4	2	2
48.00	4	4	4	4	4	2
54.00	4	4	4	4	4	4
60.00	4	4	4	4	4	4
66.00	4	4	4	4	4	4
72.00	4	4	4	4	4	4

SIGNED: 09/15/2015

COMFORT VIEW PRODUCTS, LLC
 320 COWETA INDUSTRIAL PARKWAY
 NEWNAN, GA 30265

H MULLION, REINFORCED
 VERTICAL
 CLIP INSTALLATION DETAILS

DRAWN:
R.L.

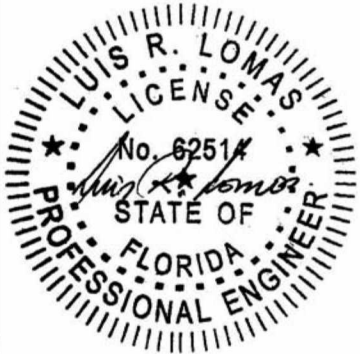
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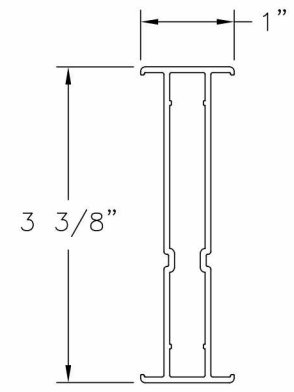
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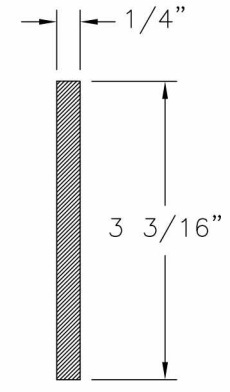
DATE 06/27/11

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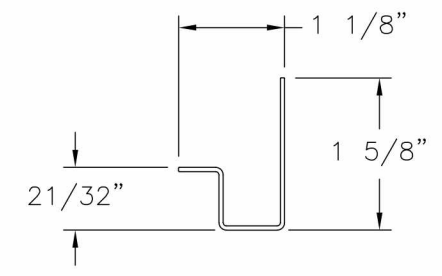




H MULLION
RIGID PVC .062" THICK

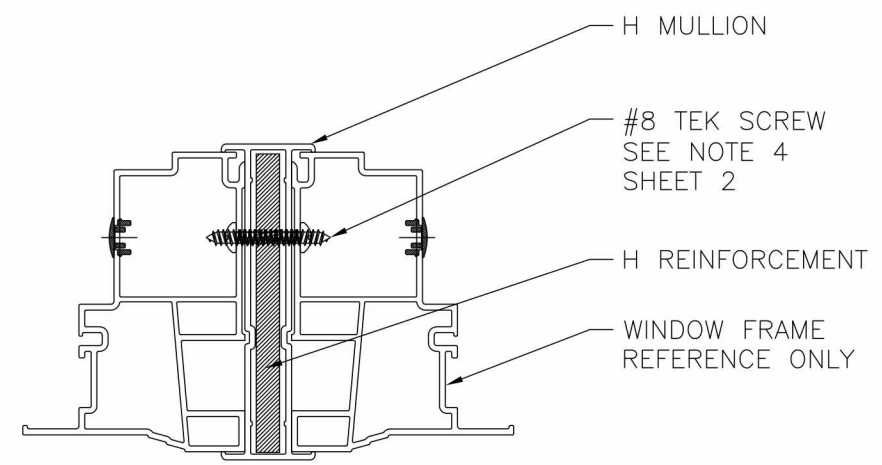


H REINFORCEMENT
ALUMINUM 6063-T6



CLIP
ALUMINUM 6063-T5 .045" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	09/15/15	R.L.



WINDOW ATTACHMENT DETAIL

SIGNED: 09/15/2015

COMFORT VIEW PRODUCTS, LLC 320 COWETA INDUSTRIAL PARKWAY NEWNAN, GA 30265		
H MULLION, REINFORCED VERTICAL COMPONENTS AND WINDOW ATTACHMENT		
DRAWN: R.L.	DWG NO. 08-01264	REV A
SCALE NTS	DATE 06/27/11	SHEET 5 OF 5