

**IMPACT  
RESISTANT**

**GENERAL NOTES :**

1) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE 2007 EDITION FOR THE DESIGN PRESSURES LISTED IN THE APPLICABLE PRODUCT TEST REPORTS. THE 1/3 STRESS INCREASE WAS NOT USED IN THIS ANCHOR EVALUATION. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF WOOD SCREWS

2) MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE AND CONCRETE MASONRY UNITS COMPLYING WITH ASTM C-90.

3) WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. ATTACHMENT METHOD OF WOOD BUCKS SHALL BE DONE BY OTHERS.

4) SHIM EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE, USING SHIMS CAPABLE OF TRANSFERRING THE APPLIED LOADS.

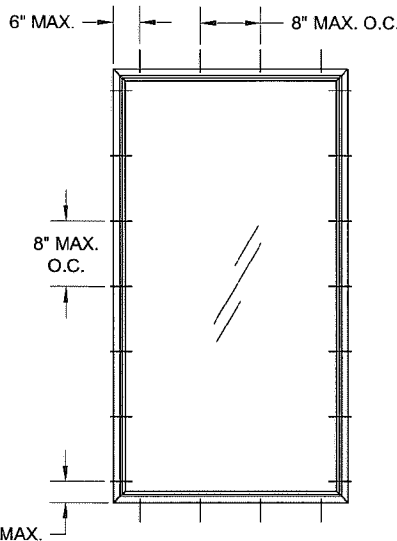
5) ANCHORS SHALL BE COATED OR CORROSION RESISTANT AS APPROPRIATE FOR SUBSTRATE MATERIAL. DISSIMILAR MATERIALS SHALL BE PROTECTED AS REQUIRED TO PREVENT REACTIONS. ALUMINUM SHALL BE PROTECTED FROM DISSIMILAR MATERIALS AS SPECIFIED IN FLORIDA BUILDING CODE CHAPTER 20.

6) ADHESIVE SEALANT SHALL BE USED BETWEEN SUBSTRATE AND FLANGE/FIN. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS.

7) REFERENCE TEST REPORTS: NCTL-210-3636-2A, NCTL-210-3642-2A

8) PRODUCT MAY BE INSTALLED INTO STEEL OR ALUMINUM SIMILAR TO THE WOOD INSTALLATION DETAILS.

9) USE ANCHOR GUIDELINES BELOW:



**THROUGH FRAME MAX. SPACING**

| ANCHOR        | SUBSTRATE     | MIN. EDGE DISTANCE | MIN. EMBEDMENT |
|---------------|---------------|--------------------|----------------|
| 3/16" MASONRY | CONCRETE      | 1"                 | 1-3/8"         |
|               | CMU           | 1"                 | 1-1/4"         |
| #10 SMS       | WOOD          | 7/8"               | 1-3/8"         |
|               | STL STUD GR33 | 3/8"               | .060" (16 GA)  |
|               | ALUM-6063 T5  | 3/8"               | .125"          |
|               | STEEL, A36    | 3/8"               | .125"          |

| MAX. SIZE | DP (PSF) | GLASS TYPE |          | INTERLAYER   |     |
|-----------|----------|------------|----------|--|-----|
|           |          | WIDTH      | HEIGHT   |  |     |
| 48"       | 96"      | 65.0 (+)   | 80.0 (-) | 7/16" HS LAMI OR 7/16" HS LAMI IG WITH 3/16" T CAP | PVB |
| 53"       | 84"      | 65.0 (+)   | 80.0 (-) | 7/16" HS LAMI OR 7/16" HS LAMI IG WITH 3/16" T CAP | PVB |

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

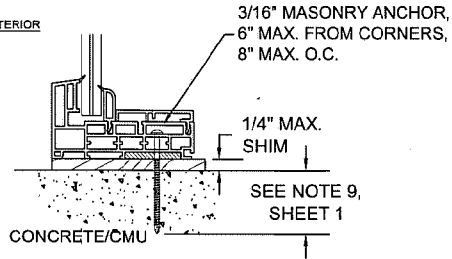
PGT  
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
FL CERT. OF AUTH. : 29296

|                                     |          |            |             |
|-------------------------------------|----------|------------|-------------|
| Drawn By:                           | Date:    | Material:  |             |
| J. ROSOWSKI                         | 03/04/11 | VINYL      |             |
| Revised By:                         | Date:    | Revisions: |             |
|                                     |          |            |             |
| Description:                        |          |            |             |
| Title:                              |          |            |             |
| <b>PICTURE WINDOW INSTALLATION</b>  |          |            |             |
| Series/Model:                       | Scale:   | Sheet:     | Drawing No. |
| PW-2720                             | NTS      | 1 of 2     | 1030411JR   |
| A. Lynn Miller, P.E.<br>P.E. #58705 |          |            | Rev:        |

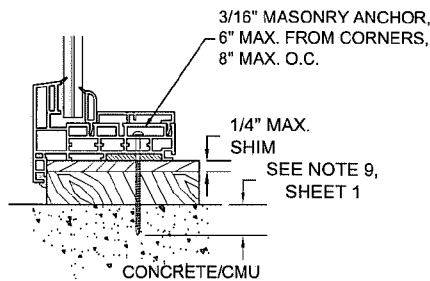
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**MASONRY  
INSTALLATION**

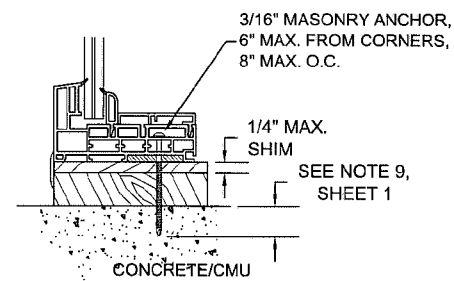
← EXTERIOR



**EQUAL-LEG  
MOUNTED DIRECTLY  
TO MASONRY**



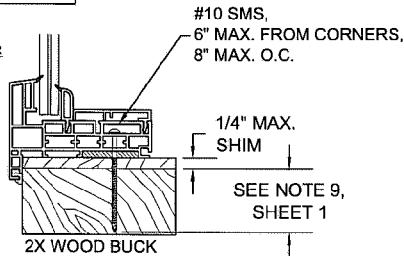
**FLANGED  
MOUNTED THROUGH  
1X WOOD BUCK**



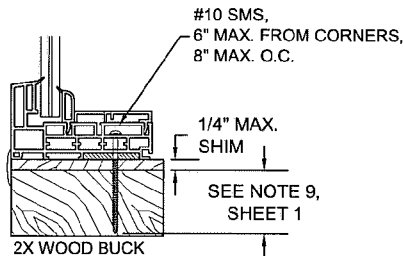
**EQUAL-LEG  
MOUNTED THROUGH  
1X WOOD BUCK**

**WOOD-FRAME  
INSTALLATION**

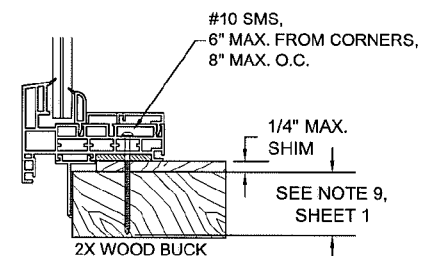
← EXTERIOR



**FLANGED  
MOUNTED TO  
2X WOOD BUCK**

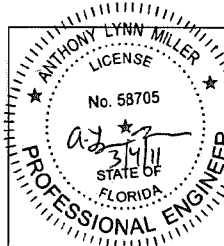


**EQUAL-LEG  
MOUNTED TO  
2X WOOD BUCK**



**ADDON FIN  
MOUNTED TO  
2X WOOD BUCK**

- 1) SEE GENERAL NOTES SHEET 1.
- 2) HEAD SHOWN, JAMBS AND SILL SIMILAR.
- 3) GLASS TYPE SHOWN NOT SPECIFIC, AND MAY BE AN ALTERNATE CONFIGURATION.



**PGT**  
11070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
FL CERT. OF AUTH. : 28296  
A. Lynn Miller, P.E.  
P.E. #58705

|                          |                   |                    |   |
|--------------------------|-------------------|--------------------|---|
| Drawn By:<br>J. ROSOWSKI | Date:<br>03/04/11 | Material:<br>VINYL | THE INFORMATION, DESIGN OR DATA CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF PGT INDUSTRIES AND CONSIDERED CONFIDENTIAL AND PROPRIETARY. NO PORTION OF THIS DOCUMENT MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PGT INDUSTRIES. |
| Revised By:              | Date:             | Revisions:         |   |
| Description:             |                   |                    | <b>PICTURE WINDOW INSTALLATION</b><br>Title:  |
| Series/Model:<br>PW-2720 | Scale:<br>NTS     | Sheet:<br>2 of 2   |   |
| Rev:                     |                   |                    |   |