

| REVISIONS |                              |          |          |
|-----------|------------------------------|----------|----------|
| REV       | DESCRIPTION                  | DATE     | APPROVED |
| A         | REVISED INSTALLATION DETAILS | 01/29/16 | R.L.     |
| B         | REVISED GLAZING DETAIL       | 01/08/18 | R.L.     |

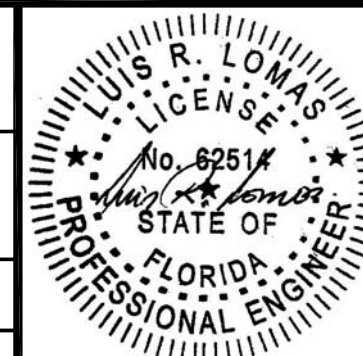
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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. 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.
4. 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.
5. FRAME MATERIAL: EXTRUDED RIGID FOAM PVC.
6. UNITS MUST BE GLAZED PER ASTM E1300-04/09, SEE SHEET 2 FOR GLASS DETAILS
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" 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.
11. ALL FASTENERS TO BE CORROSION RESISTANT.
12. 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 3,192 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
13. TRANSOM UNITS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.

SIGNED: 01/08/2018

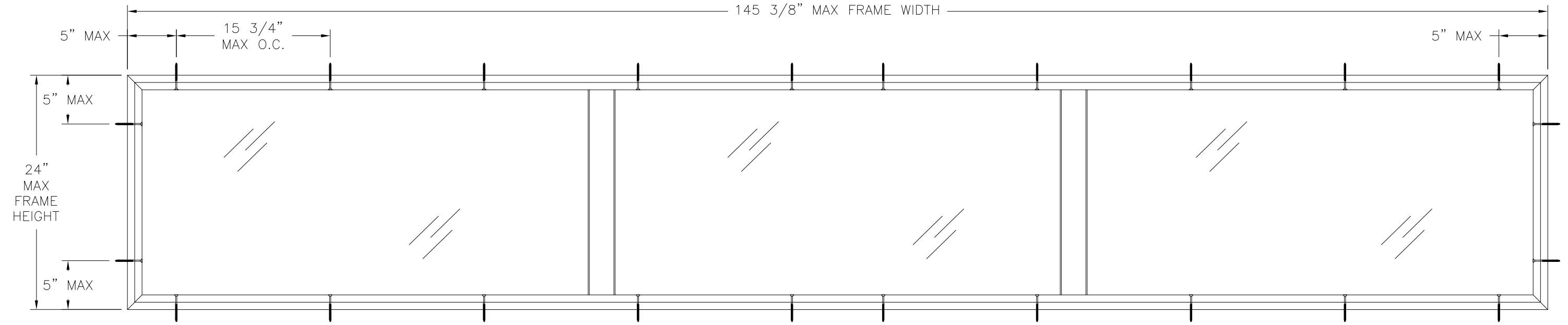
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| SHEET NO.         | DESCRIPTION          |
| 1                 | NOTES                |
| 2                 | ELEVATION            |
| 3                 | INSTALLATION DETAILS |

|   |                     |                 |
|---|---------------------|-----------------|
| NAN YA PLASTICS CORP. USA<br>8989 NORTH LOOP EAST<br>HOUSTON, TX 77029                              |                     |                 |
| SERIES OUT-SWING TRANSOM, VINYL TRANSOM<br>WINDOW, GTO 12020 IMPACT<br>NOTES                        |                     |                 |
| DRAWN:<br>V.L.  | DWG NO.<br>08-01972 | REV<br>B        |
| SCALE<br>NTS  | DATE<br>03/22/13    | SHEET<br>1 OF 3 |
| L. ROBERTO LOMAS P.E.<br>1432 WOODFORD RD LEWISVILLE, NC 27023<br>434-688-0609 rllomas@rlomaspe.com |                     |                 |



Luis R. Lomas P.E.  
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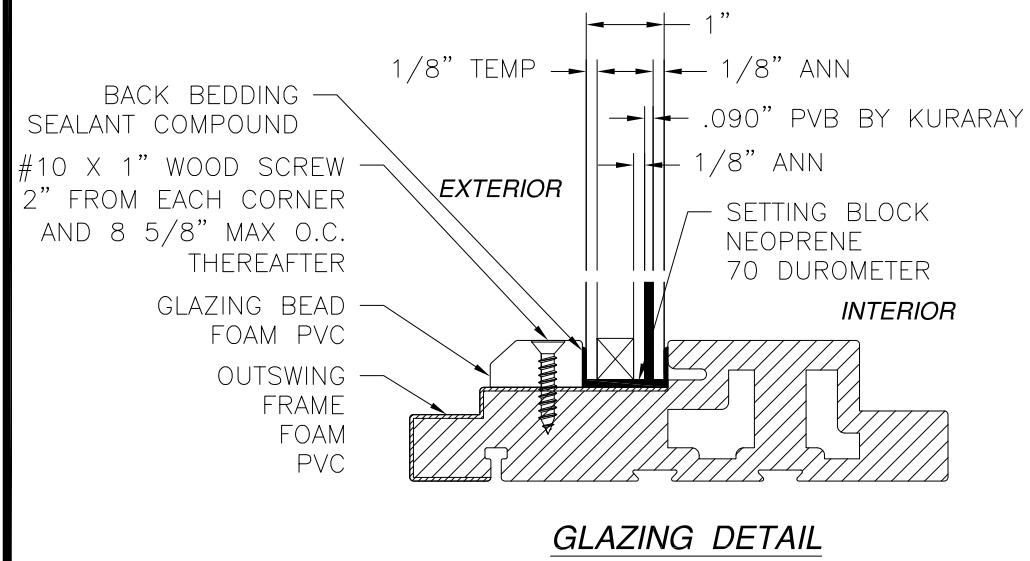
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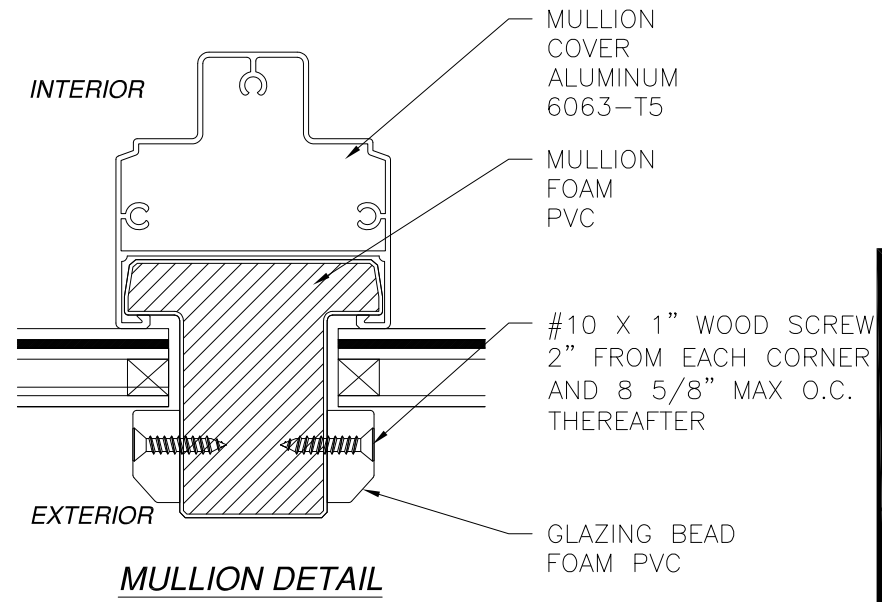
**GTO 1200 OUT-SWING TRANSOM - IMPACT**  
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING                  |
|------------------------|--------------------------------|
| ±80.0PSF               | LARGE AND SMALL MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ



**GLAZING DETAIL**



**MULLION DETAIL**

- NOTES:  
 1. MAXIMUM PANEL SIZE: 48 1/2" X 24"  
 2. MAXIMUM D.L.O.: 45 5/8" X 21"

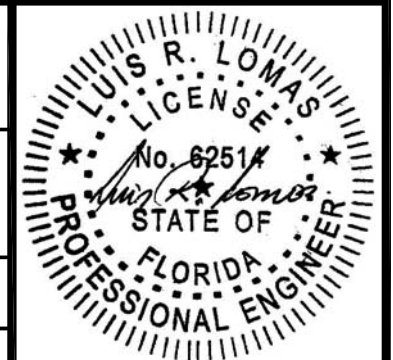
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**NAN YA PLASTICS CORP. USA**  
 8989 NORTH LOOP EAST  
 HOUSTON, TX 77029

SERIES OUT-SWING TRANSOM, VINYL TRANSOM WINDOW, GTO 1200 IMPACT ELEVATION AND DETAILS

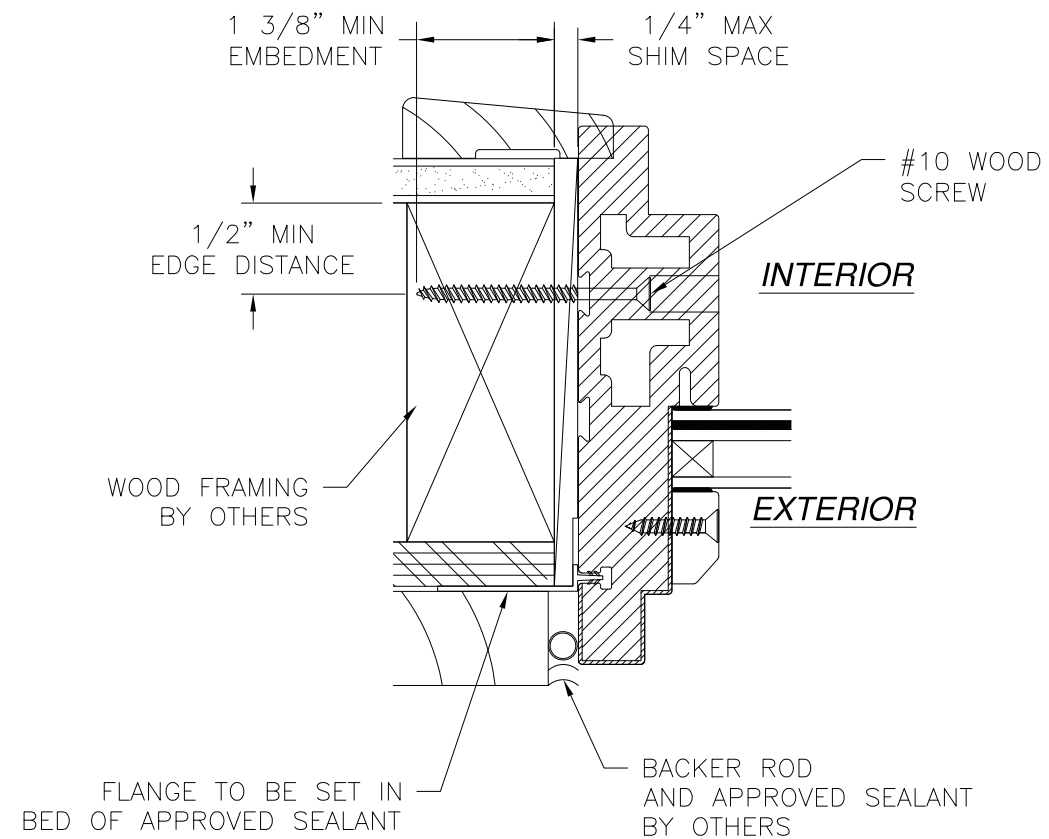
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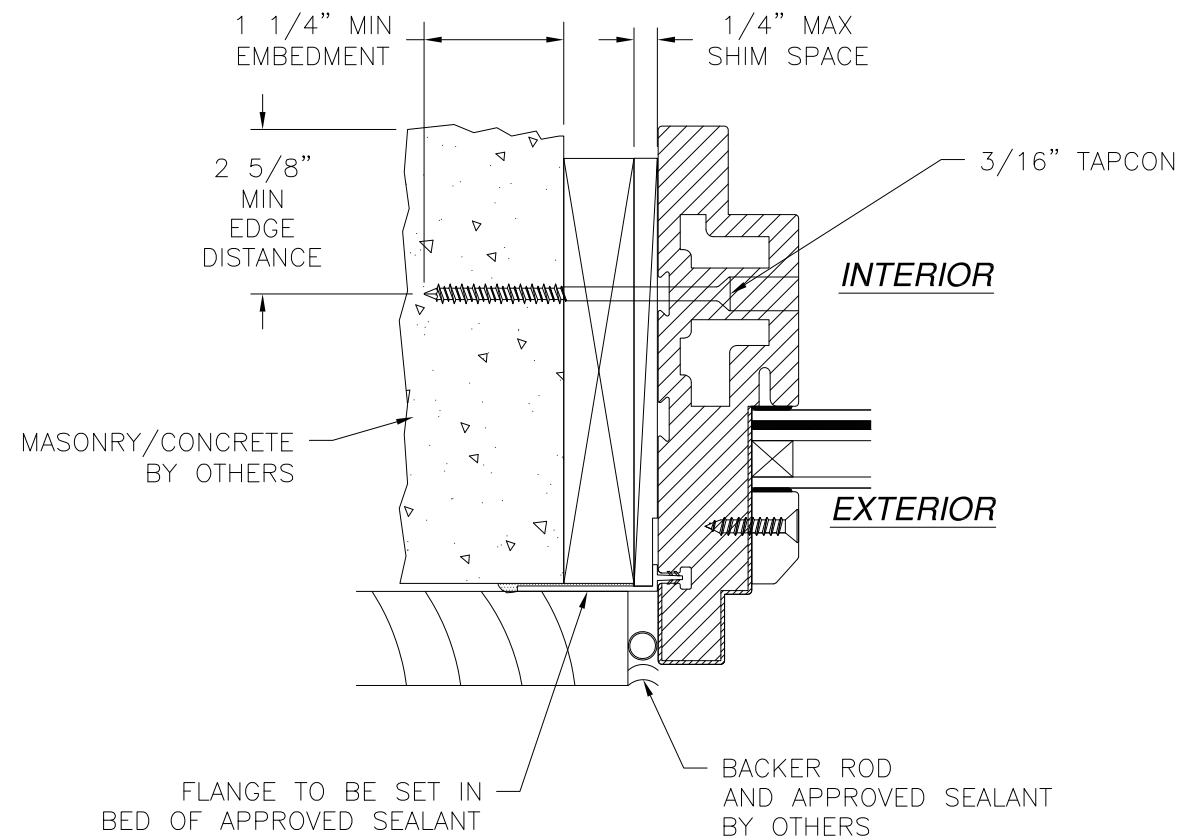


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**HORIZONTAL CROSS SECTION**  
**2X BUCK/WOOD FRAMING INSTALLATION**  
**JAMB SHOWN HEAD AND SILL SIMILAR**

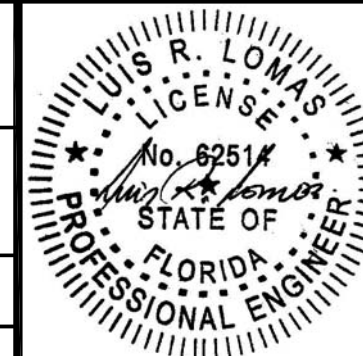


**HORIZONTAL CROSS SECTION**  
**MASONRY/CONCRETE INSTALLATION**  
**JAMB SHOWN HEAD AND SILL SIMILAR**

- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/08/2018

|  |                     |                 |
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| SERIES OUT-SWING TRANSOM, VINYL TRANSOM<br>WINDOW, GTO 12020 IMPACT<br>INSTALLATION DETAILS          |                     |                 |
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