

FL 5891.2

# THERMA TRU®

## THERMA TRU DOORS

118 INDUSTRIAL DR., EGGERTON, OH 43517

### 3'0" X 6'8"

### "SMOOTH STAR"

### FIBERGLASS SINGLE DOOR

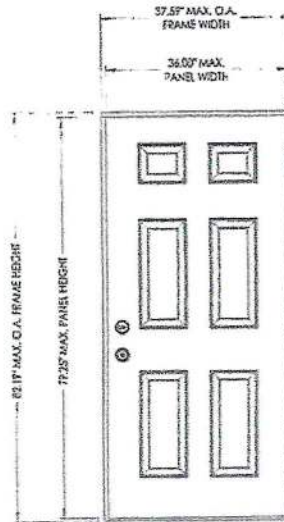
### INSWING / OUTSWING

### "IMPACT"

#### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall framing or flange.
3. When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets minimum level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and Section 1609.1.2.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x brick masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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|-------------------|--------------------------------------------------|
| SHEET #           | DESCRIPTION                                      |
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| 5                 | Door top rail                                    |
| 6                 | Door bottom rail                                 |
| 7                 | Door hinge style                                 |
| 8                 | Door latch style                                 |
| 9                 | Door lock block                                  |
| 10                | Door panel                                       |

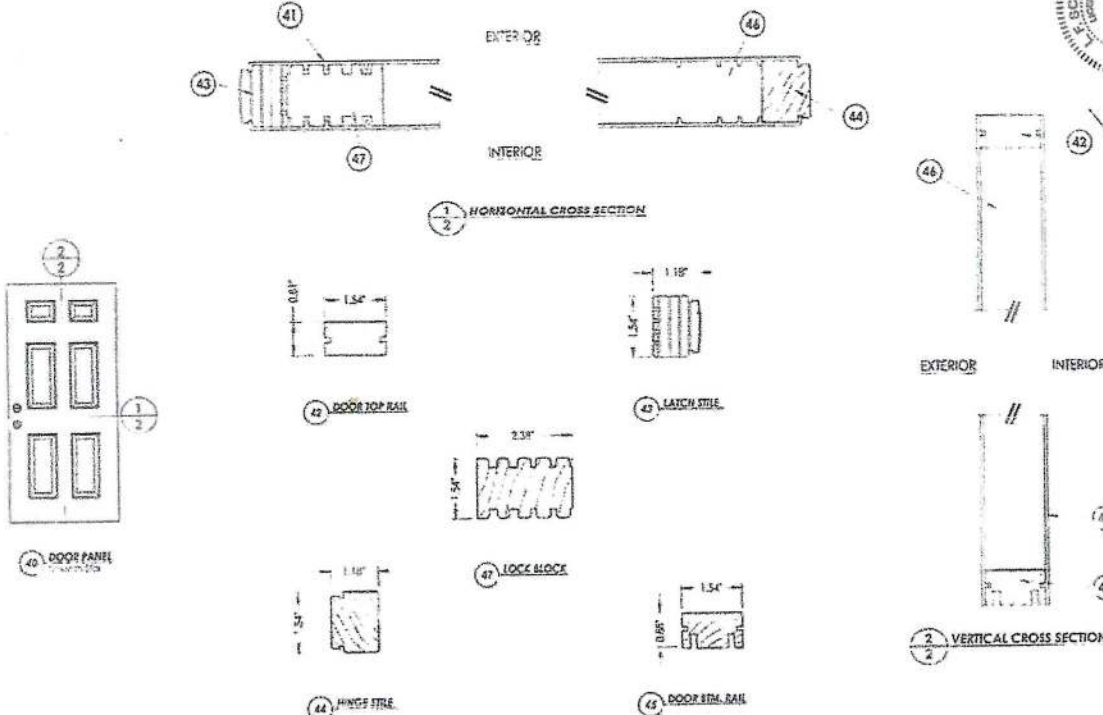


| SWING    | OVERALL FRAME DIMENSION | DESIGN PRESSURE (PSF) |          |
|----------|-------------------------|-----------------------|----------|
|          |                         | POSITIVE              | NEGATIVE |
| INSWING  | 37.5" x 82.1"           | +67.0                 | -67.0    |
| OUTSWING | 37.5" x 80.6"           | +67.0                 | -67.0    |

**SCHMIDT**  
FL 43500  
P.O. Box 43409  
Eggerton, OH 43517  
Phone No. 614.589.9177  
Fax No. 614.589.9178

**IMPACT-RESISTANT FIBERGLASS DOOR**  
PART OF ASSEMBLY  
FOR WIND-BORNE DEBRIS PROTECTION  
PRESSURES & CENTRAL NOTES

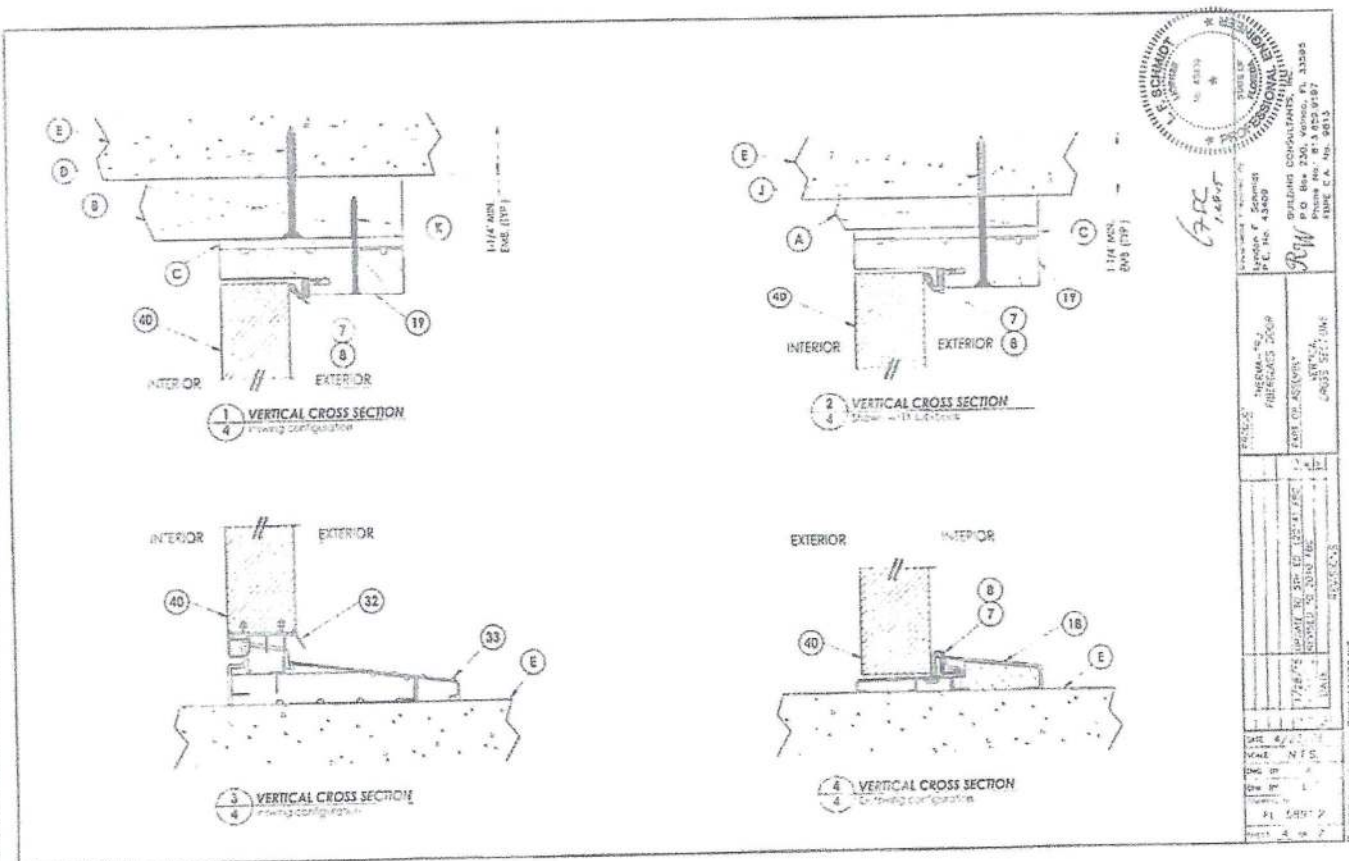
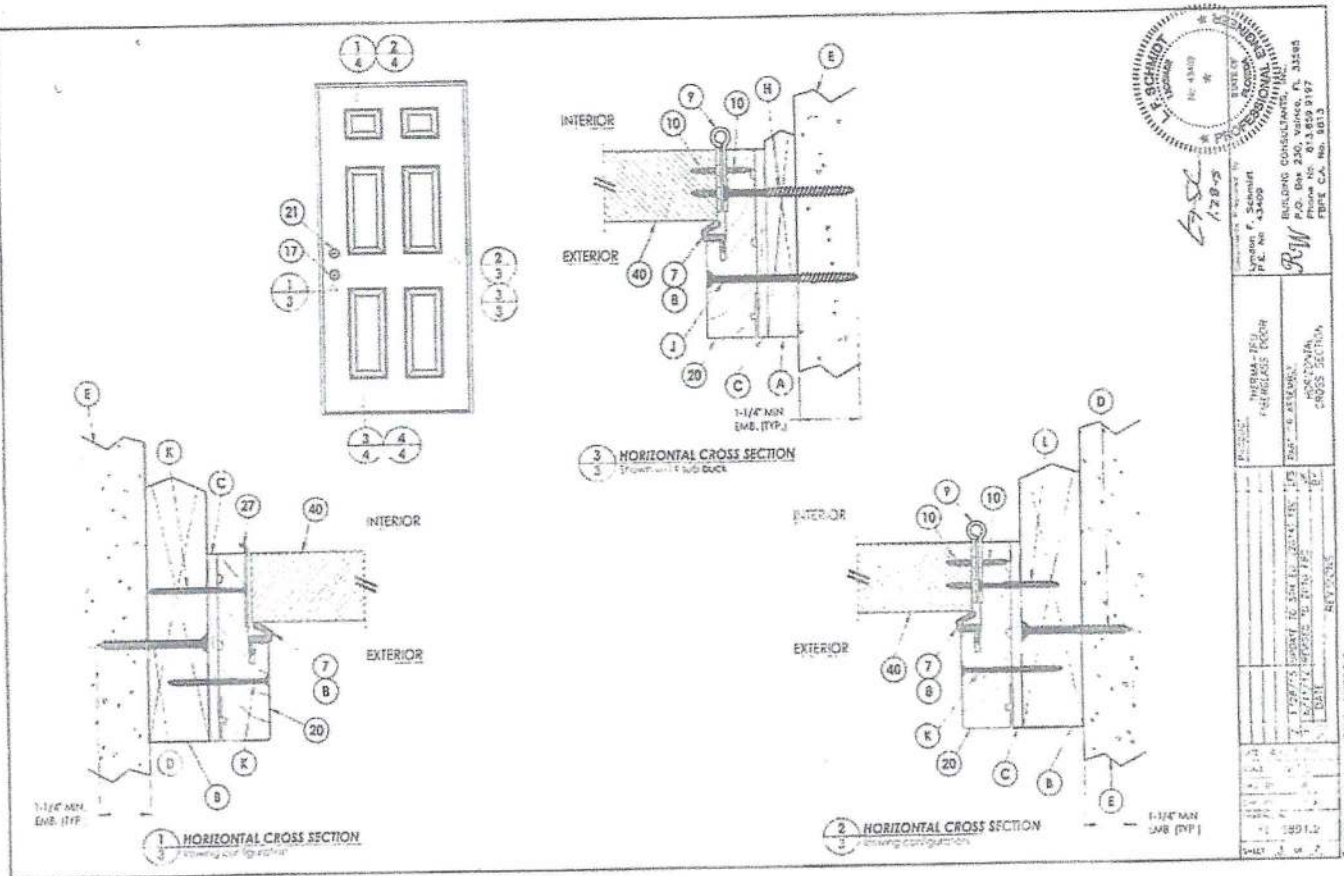
FL-5891.2



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Phone No. 614.589.9177  
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**IMPACT-RESISTANT FIBERGLASS DOOR**  
PART OF ASSEMBLY  
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PRESSURES & CENTRAL NOTES

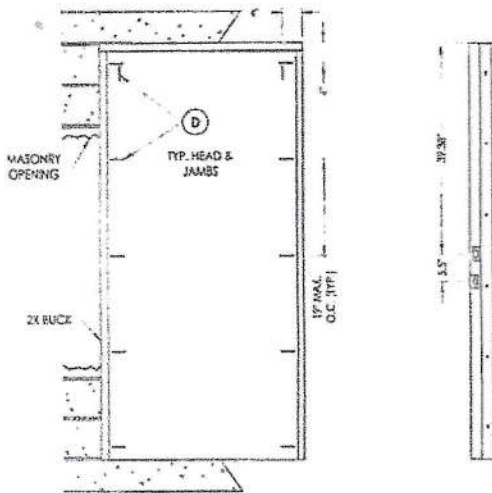
FL-5891.2





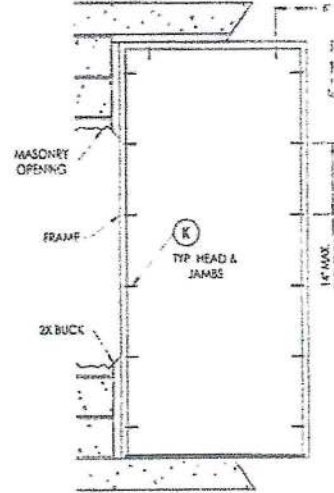
**GAINESVILLE**  
**APPROVED**

BP-17-07307 New  
SFD- Dickerson

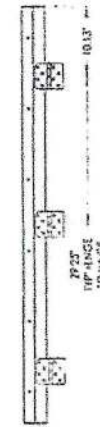


**BUCK ANCHORING**

**STRIKE JAMB**



**FRAME ANCHORING**



**HINGE JAMB**

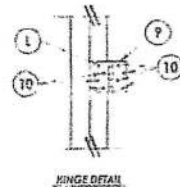
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to masonry joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to masonry joints; additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

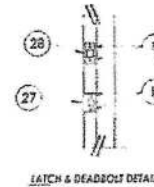
| ANCHOR TYPE    | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|----------------|-------------|----------------|--------------------------------|-----------------------------------|
| TYP. TAPCON®   | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| ULCO ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

**DOOR LATCH & DEADBOLT DETAILS**

Anchor locations shall be 1" edge distance, 1" end distance, & 1" o.c. spacing at wood screws to prevent the splitting of wood.



**HINGE DETAIL**

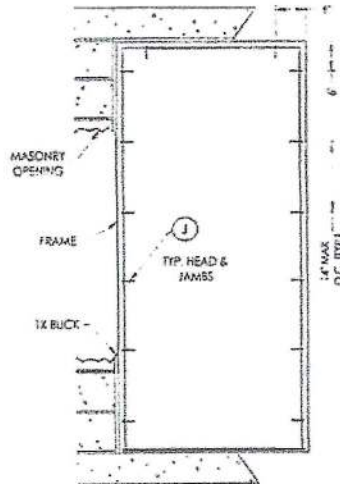


**LATCH & DEADBOLT DETAIL**

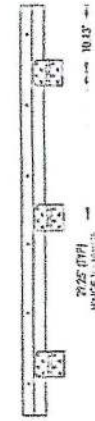
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DATE: 4/23/18  
PROJECT: BP-17-07307 New SFD- Dickerson  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
SCALE: AS SHOWN  
SHEET NO. 1 OF 1



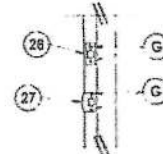
**STRIKE JAMB**



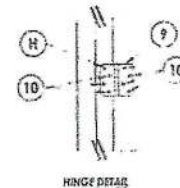
**FRAME ANCHORING**



**HINGE JAMB**



**LATCH & DEADBOLT DETAIL**



**HINGE DETAIL**

**CONCRETE ANCHOR NOTES:**

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|--------------|-------------|----------------|--------------------------------|-----------------------------------|
| TYP. TAPCON® | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| TYP. TAPCON® | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |

**DOOR LATCH & DEADBOLT DETAILS**

Anchor locations shall be 1" edge distance, 1" end distance, & 1" o.c. spacing at wood screws to prevent the splitting of wood.

APPROVED FOR CONSTRUCTION BY: [Signature]  
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APPROVED FOR CONSTRUCTION BY: [Signature]  
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PROJECT: BP-17-07307 New SFD- Dickerson  
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SHEET NO. 1 OF 1

APPROVED FOR CONSTRUCTION BY: [Signature]  
DATE: 4/23/18  
PROJECT: BP-17-07307 New SFD- Dickerson  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
SCALE: AS SHOWN  
SHEET NO. 1 OF 1





| REVISIONS |               |          |          |
|-----------|---------------|----------|----------|
| REV       | DESCRIPTION   | DATE     | APPROVED |
| A         | REVISED NOTES | 08/06/19 | R.L.     |

- NOTES:
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
  - 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.
  - 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
  - WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
  - WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
  - 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.
  - BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
  - SHIM AS REQUIRED AT WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
  - SHIMS SHALL BE MADE FROM MATERIALS CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
  - WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
  - FRAME MATERIAL: EXTRUDED PVC.
  - UNITS MUST BE GLAZED PER ASTM E1300-04/09.
  - APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
  - FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #6 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
  - FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #6 SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
  - ALL FASTENERS TO BE CORROSION RESISTANT.
  - 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:
    - WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
    - METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
  - GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

- MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 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.
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| SHEET NO.         | NOTES                | DESCRIPTION |  |
| 1                 | NOTES                |             |  |
| 2                 | ELEVATION            |             |  |
| 3 - 6             | INSTALLATION DETAILS |             |  |
| 7                 | COMPONENTS           |             |  |

|                                                                                                                                                                        |                     |            |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|---------|
| <b>MI WINDOWS &amp; DOORS, LLC</b><br>650 WEST MARKET STREET<br>GRATZ, PA 17030-0370<br>SERIES 3540 PVC SINGLE HUNG WINDOW<br>REINFORCED NON-IMPACT 36" x 74"<br>NOTES |                     |            |         |
| DRAWN:<br>A.R.                                                                                                                                                         | DWG NO.<br>08-03347 | REV<br>A   |         |
| SCALE<br>NTS                                                                                                                                                           | DATE<br>11/06/18    | SHEET<br>1 | OF<br>7 |
| L. ROBERTO LOMAS P.E.<br>1433 WOODFORD RD LEWISVILLE, NC 27023<br>434-686-0809 lromas@lromaspa.com                                                                     |                     |            |         |

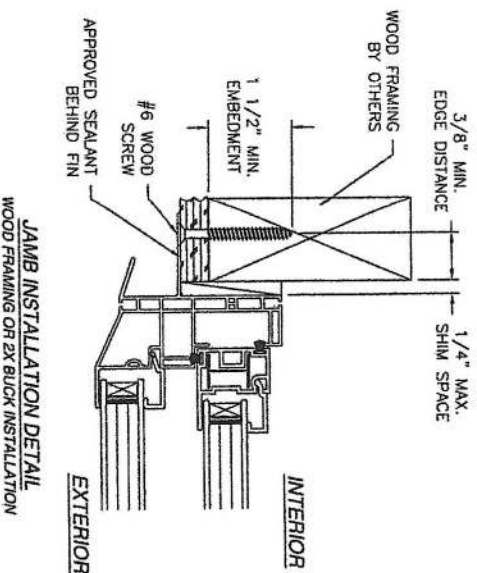
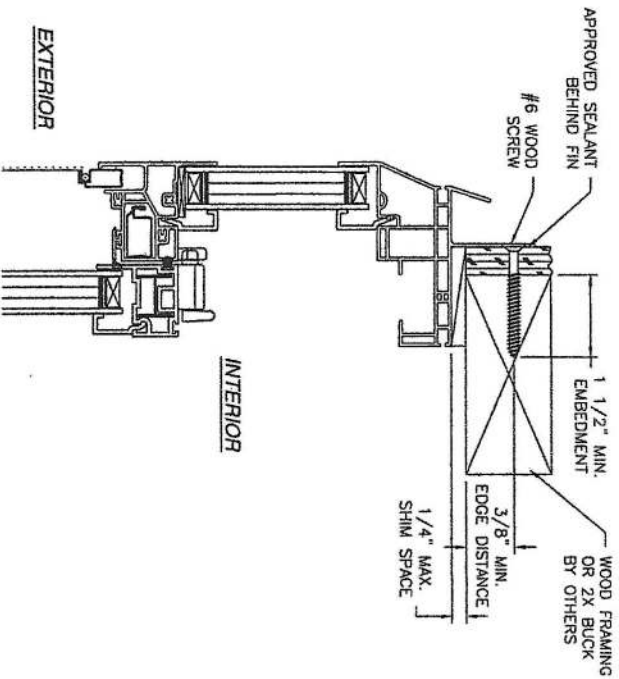


SIGNED: 08/06/2019

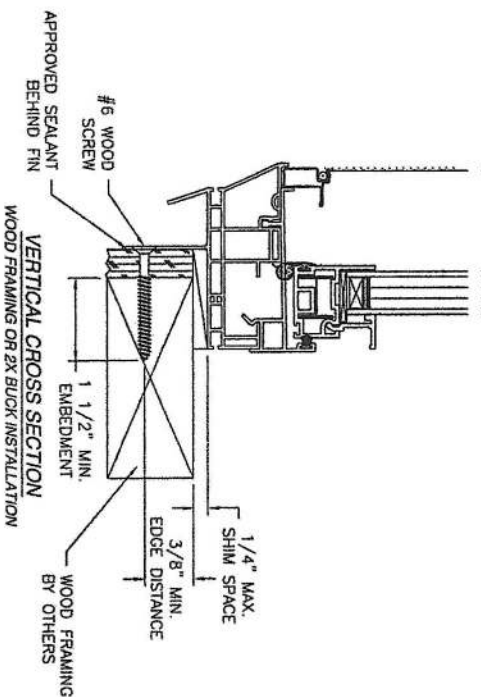
Nail Fin

FL#17676.1

| REVISIONS |               |          |          |
|-----------|---------------|----------|----------|
| REV       | DESCRIPTION   | DATE     | APPROVED |
| A         | REVISED NOTES | 08/06/19 | R.L.     |



JAMB INSTALLATION DETAIL  
WOOD FRAMING OR 2X BUCK INSTALLATION



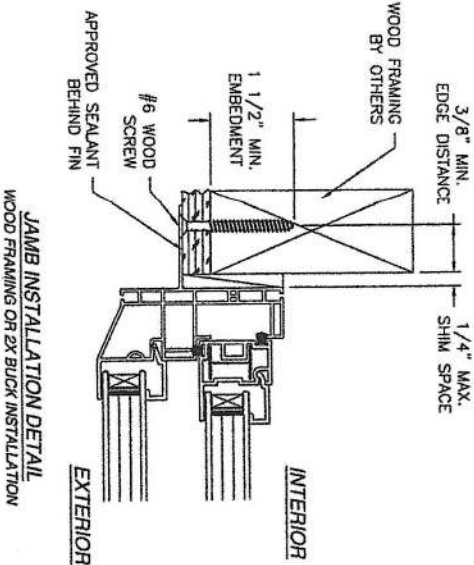
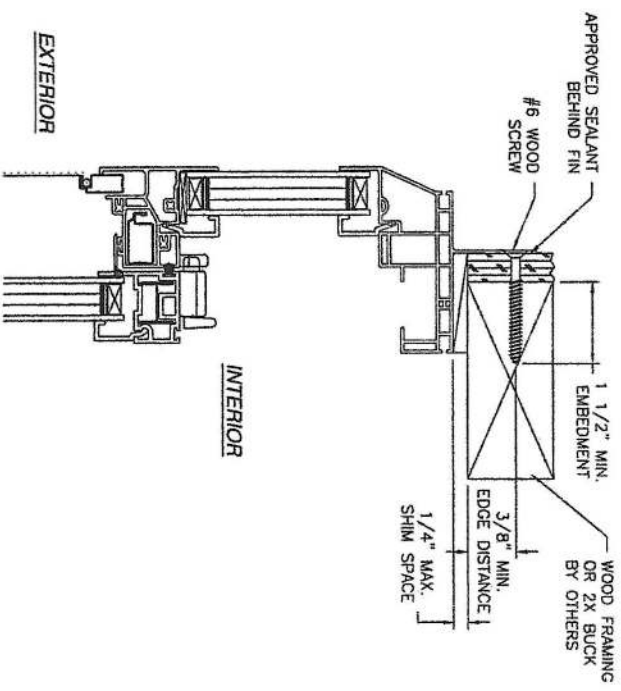
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/06/2019

|                                                                                                                |                     |                                                                                                    |                  |
|----------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------|------------------|
| <b>MI WINDOWS &amp; DOORS, LLC</b><br>650 WEST MARKET STREET<br>GRAITZ, PA 17030-0370                          |                     |                                                                                                    |                  |
| SERIES 3540 PVC SINGLE HUNG WINDOW<br>REINFORCED NON-IMPACT 36" x 74"<br>INSTALLATION DETAILS WITH "J" CHANNEL |                     |                                                                                                    |                  |
| DRAWN:<br>A.R.                                                                                                 | DWG NO.<br>08-03347 | REV<br>A                                                                                           | DATE<br>11/06/18 |
| SCALE<br>NTS                                                                                                   | SHEET<br>3 OF 7     | L. ROBERTO LOMAS P.E.<br>1432 WOODFORD RD LEWISVILLE, NC 27023<br>434-688-0693 rlomas@lomasppa.com |                  |

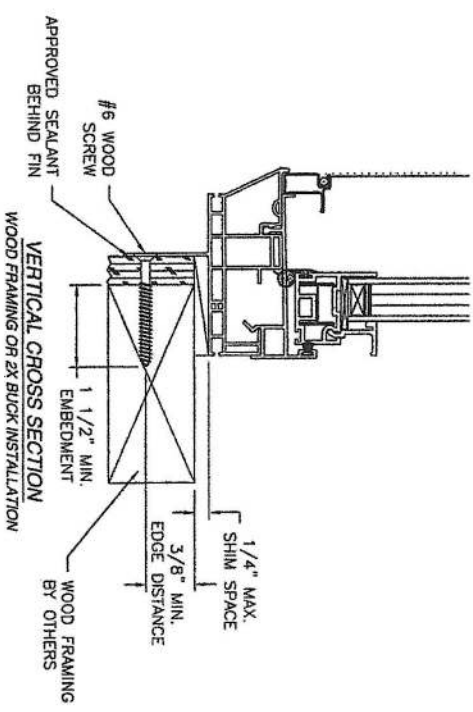
Luis R. Lomas P.E.  
FL No.: 62514

| REVISIONS |               |          |          |
|-----------|---------------|----------|----------|
| REV       | DESCRIPTION   | DATE     | APPROVED |
| A         | REVISED NOTES | 08/06/19 | R.L.     |



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SIGNED: 08/06/2019



**MI WINDOWS & DOORS, LLC**  
 650 WEST MARKET STREET  
 GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW  
 REINFORCED NON-IMPACT 36" x 74"  
 INSTALLATION DETAILS STANDARD FRAME

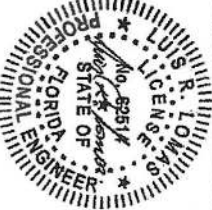
DATE 11/06/18 SHEET 5 OF 7

08-03347

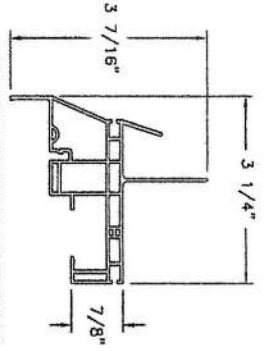
REV A

L. ROBERTO LOMAS P.E.  
 1432 WOODFORD RD LEWISVILLE, NC 27023  
 434-589-0809 rlomas@lomaspa.com

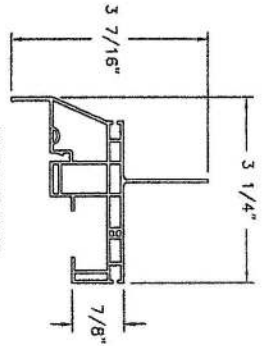
Luis R. Lomas P.E.  
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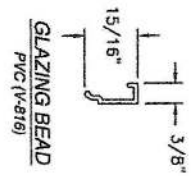
| REVISIONS |               |          |          |
|-----------|---------------|----------|----------|
| REV       | DESCRIPTION   | DATE     | APPROVED |
| A         | REVISED NOTES | 08/06/19 | R.L.     |



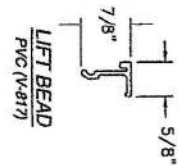
**MAIN FRAME WITH "J" CHANNEL**  
PVC (V-539)



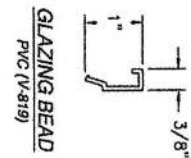
**MAIN FRAME**  
PVC (V-539)



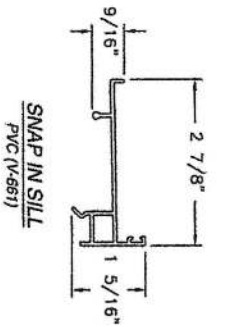
**GLAZING BEAD**  
PVC (V-616)



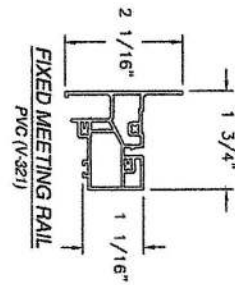
**LIFT BEAD**  
PVC (V-617)



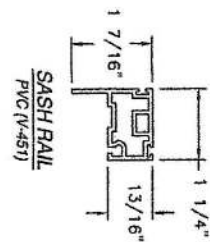
**GLAZING BEAD**  
PVC (V-619)



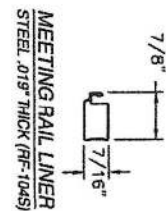
**SNAP IN SILL**  
PVC (V-661)



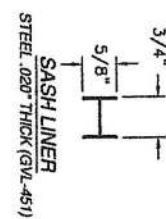
**FIXED MEETING RAIL**  
PVC (V-321)



**SASH RAIL**  
PVC (V-451)



**MEETING RAIL LINER**  
STEEL .019" THICK (RF-1045)



**SASH LINER**  
STEEL .020" THICK (GV-451)

|                                                                                                                                            |                     |               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|--|
| <b>MI WINDOWS &amp; DOORS, LLC</b><br>650 WEST MARKET STREET<br>GRAITZ, PA 17030-0370                                                      |                     |               |  |
| SERIES 3540 PVC SINGLE HUNG WINDOW<br>REINFORCED NON-IMPACT 36" x 74"<br>COMPONENTS                                                        |                     |               |  |
| DRAWN:<br>A.R.                                                                                                                             | DWG NO.<br>08-03347 | REV<br>A      |  |
| SCALE: NTS                                                                                                                                 | DATE: 11/06/18      | SHEET: 7 OF 7 |  |
| L. ROBERTO LOMAS P.E.<br>1432 WOODFORD RD LENOIRVILLE, NC 27023<br>434-688-0609 <a href="mailto:rlomas@lomaspa.com">rlomas@lomaspa.com</a> |                     |               |  |



Luis R. Lomas P.E.  
FL No.: 62514

SIGNED: 08/06/2019



As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

| Category/Subcategory                     | Manufacturer | Product Description  | Approval Number(s) |
|------------------------------------------|--------------|----------------------|--------------------|
| <b>1. EXTERIOR DOORS</b>                 |              |                      |                    |
| A. SWINGING                              | Thermo Tru   | Fiberglass door      | FL5891.2           |
| B. SLIDING                               | MI           | glass                | FL 17880.4         |
| C. SECTIONAL/ROLL UP                     |              |                      |                    |
| D. OTHER                                 |              |                      |                    |
|                                          |              |                      |                    |
| <b>2. WINDOWS</b>                        |              |                      |                    |
| A. SINGLE/DOUBLE HUNG                    | mi           | 3540'sF              | FL17676.8          |
| B. HORIZONTAL SLIDER                     |              |                      |                    |
| C. CASEMENT                              |              |                      |                    |
| D. FIXED                                 |              |                      |                    |
| E. MULLION                               |              |                      |                    |
| F. SKYLIGHTS                             |              |                      |                    |
| G. OTHER                                 | MI           | Nail Finish          | FL17676.1          |
|                                          |              |                      |                    |
| <b>3. PANEL WALL</b>                     |              |                      |                    |
| A. SIDING                                |              |                      |                    |
| B. SOFFITS                               |              |                      |                    |
| C. STOREFRONTS                           |              |                      |                    |
| D. GLASS BLOCK                           |              |                      |                    |
| E. OTHER                                 |              |                      |                    |
|                                          |              |                      |                    |
| <b>4. ROOFING PRODUCTS</b>               |              |                      |                    |
| A. ASPHALT SHINGLES                      | IKO          | Heritage 38 R ASTMD3 | FL7006             |
| B. NON-STRUCTURAL METAL                  |              |                      |                    |
| C. ROOFING TILES                         |              |                      |                    |
| D. SINGLE PLY ROOF                       |              |                      |                    |
| E. OTHER                                 |              |                      |                    |
|                                          |              |                      |                    |
| <b>5. STRUCTURAL COMPONENTS</b>          |              |                      |                    |
| A. WOOD CONNECTORS                       |              |                      |                    |
| B. WOOD ANCHORS                          |              |                      |                    |
| C. TRUSS PLATES                          |              |                      |                    |
| D. INSULATION FORMS                      |              |                      |                    |
| E. LINTELS                               |              |                      |                    |
| F. OTHERS                                |              |                      |                    |
|                                          |              |                      |                    |
| <b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b> |              |                      |                    |

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

  
Contractor OR Agent Signature

7-1-22  
Date

NOTES: \_\_\_\_\_  
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