

MP WINDOWS, INC.

SERIES 700 VINYL SH WINDOW, IMPACT, NON-HVHZ

GENERAL NOTES:

- 1.THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORTS BY NATIONAL CERTIFIED TESTING LABORATORIES, INC., TEST REPORT NO. NCTL-210-3726-2A. PERFORMANCE TEST PROTOCOLS AND STANDARDS USED IN TESTING WERE:

1.1. AAMA/WDMA/CSA 101/I.S.2/A440-05.

1.2. ASTM E1886-02/05

1.3. ASTM E1996-02/05.
- 2.THIS PRODUCT CAN NOT BE USED INSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 3.ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4.1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 5.WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THIS PRODUCT DOES NOT REQUIRE OPENING PROTECTION.
- 6.SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 7.MATERIALS:

7.1. FRAME: RIGID PVC / VINYL
- 8.GLAZING:

8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-16.

8.2. SEE GLAZING DETAILS ON SHEET 3 OF 5.

8.3. THE LAMINATED IGU WAS SET FROM THE EXTERIOR ONTO A BED OF POLYURETHANE (PUR) ADHESIVE SEALANT AND SECURED IN PLACE WITH VINYL GLAZING BEADS.

8.4. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
- 9.DESIGNATION "O" STANDS FOR FIXED LITE., "X" STANDS FOR OPERABLE.
10. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

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| 1                 | GENERAL & INSTALLATION NOTES           |
| 2                 | ELEVATION & ANCHOR LAYOUTS             |
| 3                 | CROSS SECTIONAL VIEWS & GLAZING DETAIL |
| 4                 | ANCHOR DETAILS                         |
| 5                 | COMPONENTS & BILL OF MATERIALS         |

INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 4 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.

2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.

2.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. SEE SHEET 4 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
4. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
5. ANCHOR QUANTITIES AND SPACING, EMBEDMENT AND EDGE DISTANCE.

5.1. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH ELEVATIONS ON SHEET 2.

5.2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEETS 2 ARE ACCEPTABLE.

5.3. FOR WINDOW SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.

5.4. ANCHOR QUANTITIES AND SPACINGS SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.

5.5. SEE SPACING, EMBEDMENT AND EDGE DISTANCE REQUIREMENTS IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 4.
6. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
7. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
8. 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 IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 4.

PROJECT # ACE-2024-210

M.P. WINDOWS, INC.

407 RIVER HEIGHTS CIRCLE

ANDERSON, SC 29621

TITLE:

MODEL 700 VINYL SINGLE HUNG- LMI - NON-HVHZ

GENERAL & INSTALLATION NOTES, PERFORMANCE RATING

DRAWN BY:

JRM

DATE:

01/05/2025

SCALE:

NONE

DRAWING NO.:

SCS-0034

REV:

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SHEET:

1 OF 5

AMORUSO CONSULTING

ENGINEERING, LLC

226 N. NOVA RD.

NO. 142

ORMOND BEACH, FL 32174

FBPE REGISTRATION No. 38327

Email: jjaerppc@gmail.com

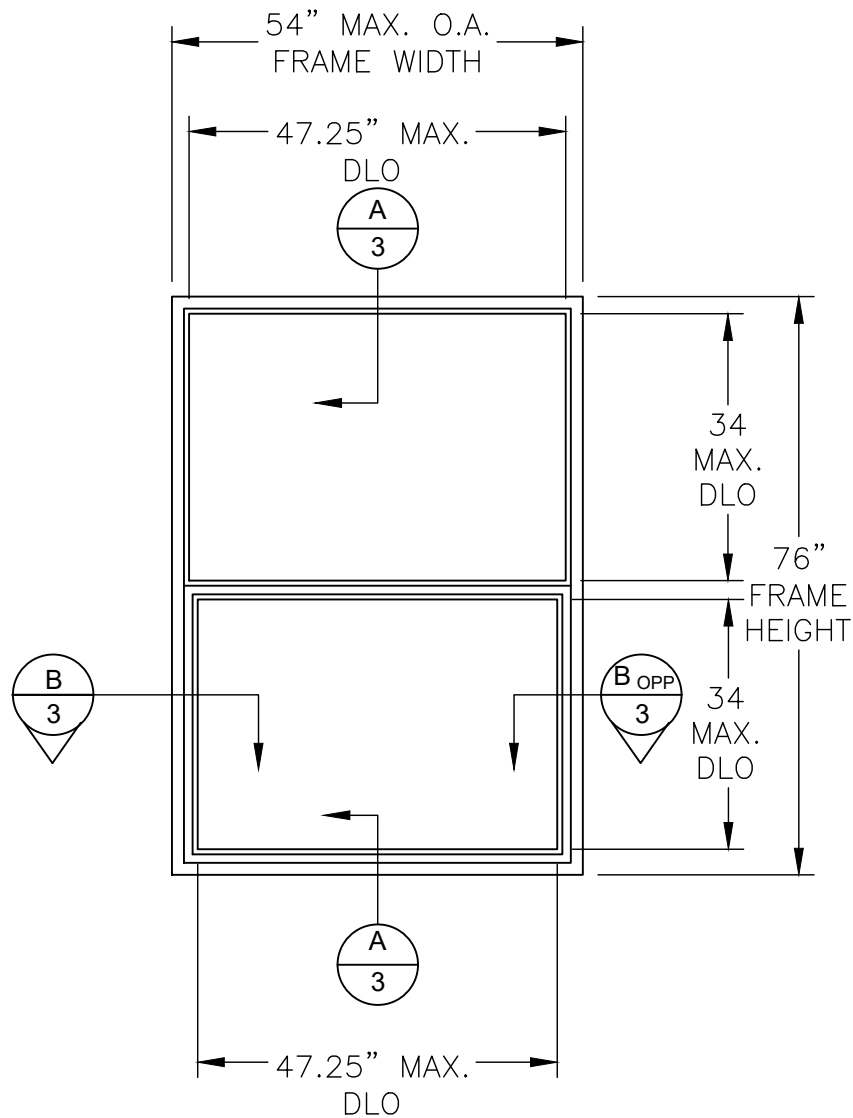
ROBERT J. AMORUSO, P.E.

FLORIDA PE NO. 49752

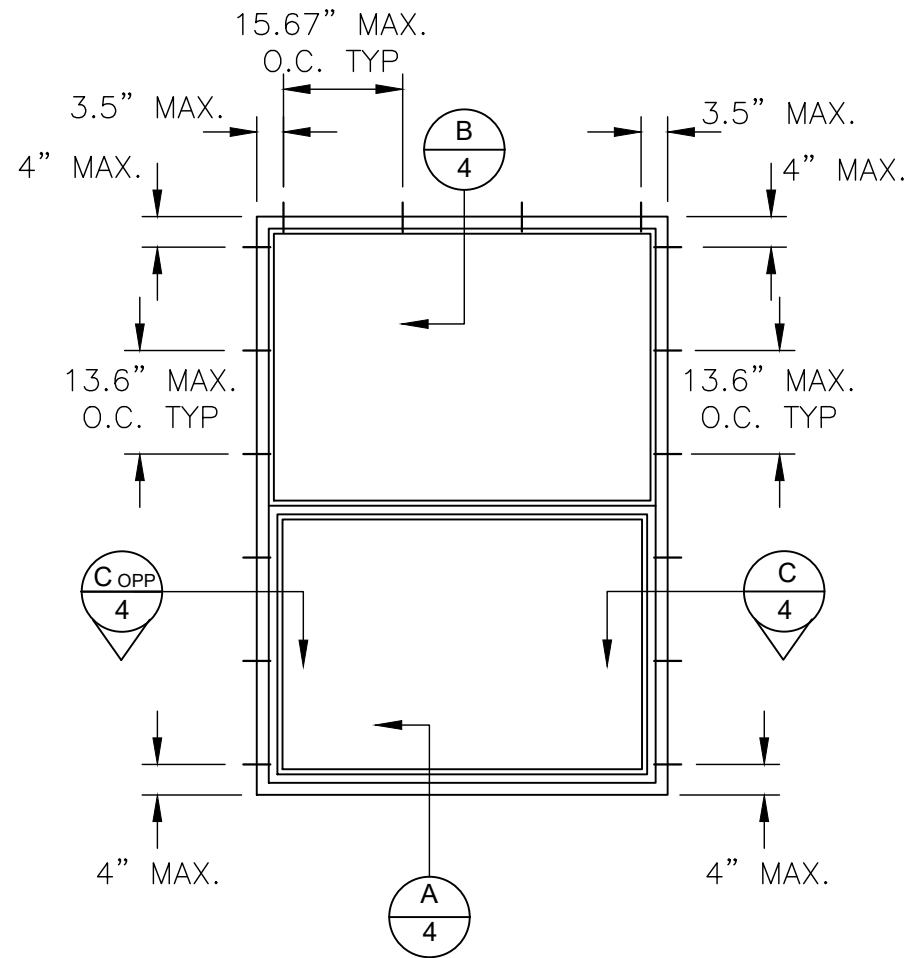


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ELEVATION LAYOUT  
SINGLE HUNG WINDOW



ANCHOR LAYOUT  
THROUGH FRAME  
INSTALLATION

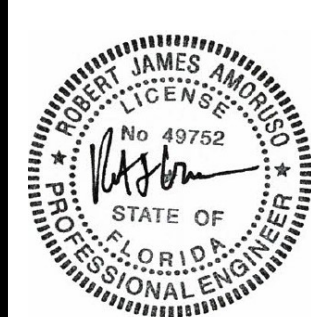
| DESIGN PRESSURE RATING        | IMPACT RATING                  |
|-------------------------------|--------------------------------|
| <b>+ 60.0 PSF / -60.0 PSF</b> | LARGE AND SMALL MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 4 (NON-HVHZ)

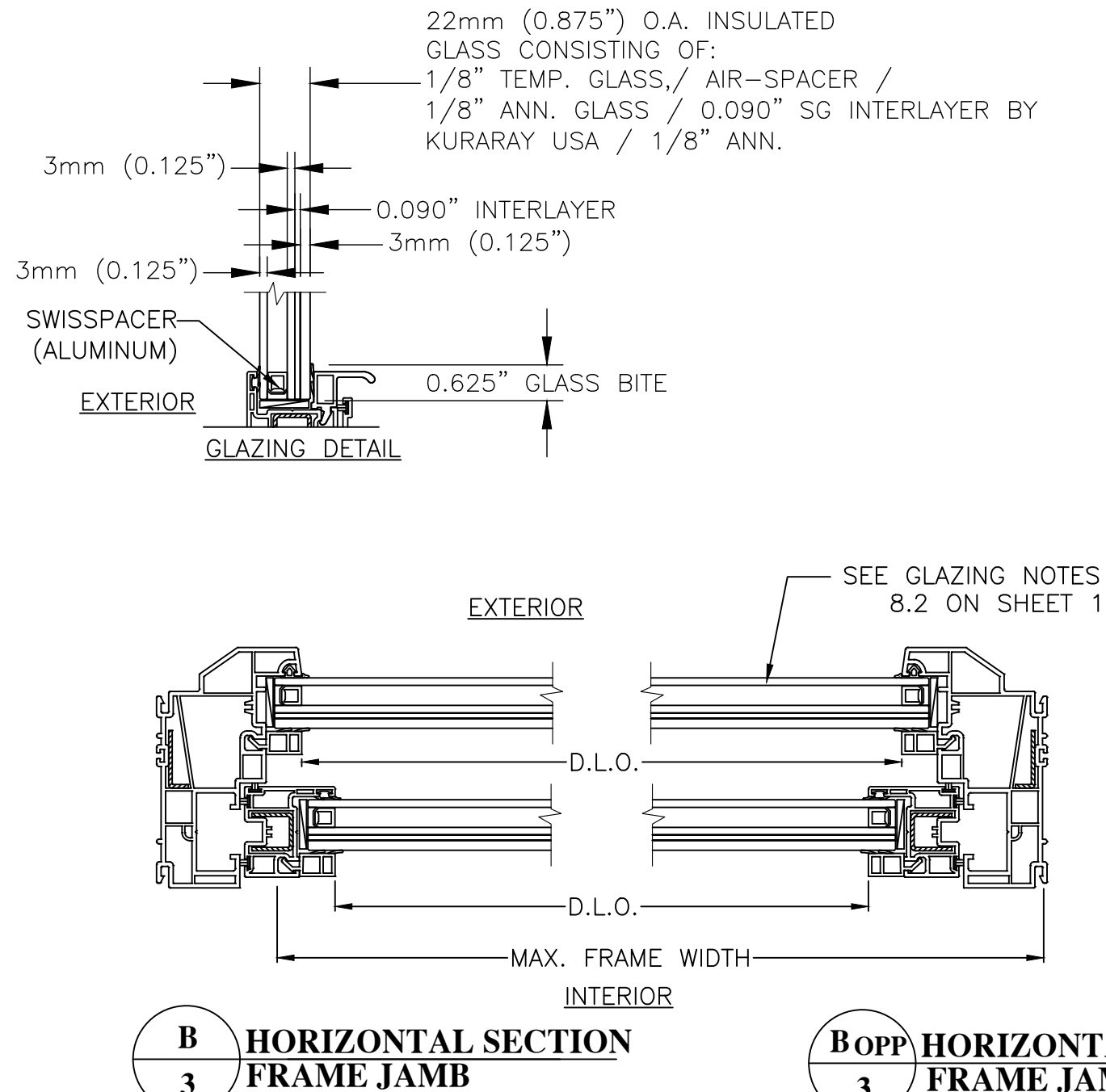
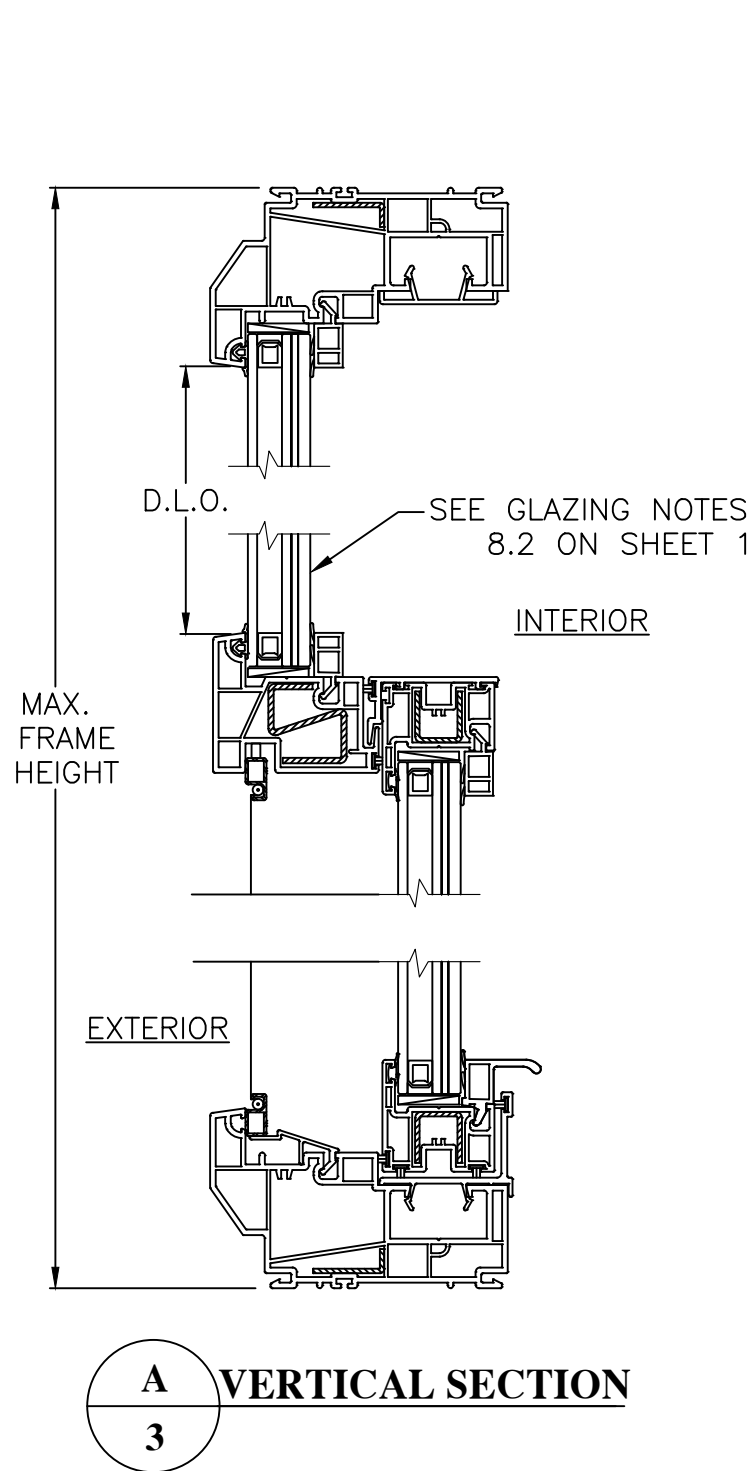
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|----------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| M.P. WINDOWS, INC.<br>407 RIVER HEIGHTS CIRCLE<br>ANDERSON, SC 29621 |                  | TITLE: MODEL 700 VINYL SINGLE HUNG- LMI - NON-HVHZ<br>ELEVATIONS & ANCHOR LAYOUTS (THROUGH FRAME)                                                |               |
| DRAWN BY: JRM                                                        | DATE: 01/05/2025 | DRAWING NO: SCS-0034                                                                                                                             | SHEET: 2 OF 5 |
| SCALE: NONE                                                          | REV: ---         | AMORUSO CONSULTING<br>ENGINEERING, LLC<br>226 N. NOVA RD.<br>ORMOND BEACH, FL 32174<br>FBPE REGISTRATION No. 38327<br>Email: jjeerpppe@gmail.com |               |

ROBERT J. AMORUSO, P.E.  
FLORIDA PE NO. 49752



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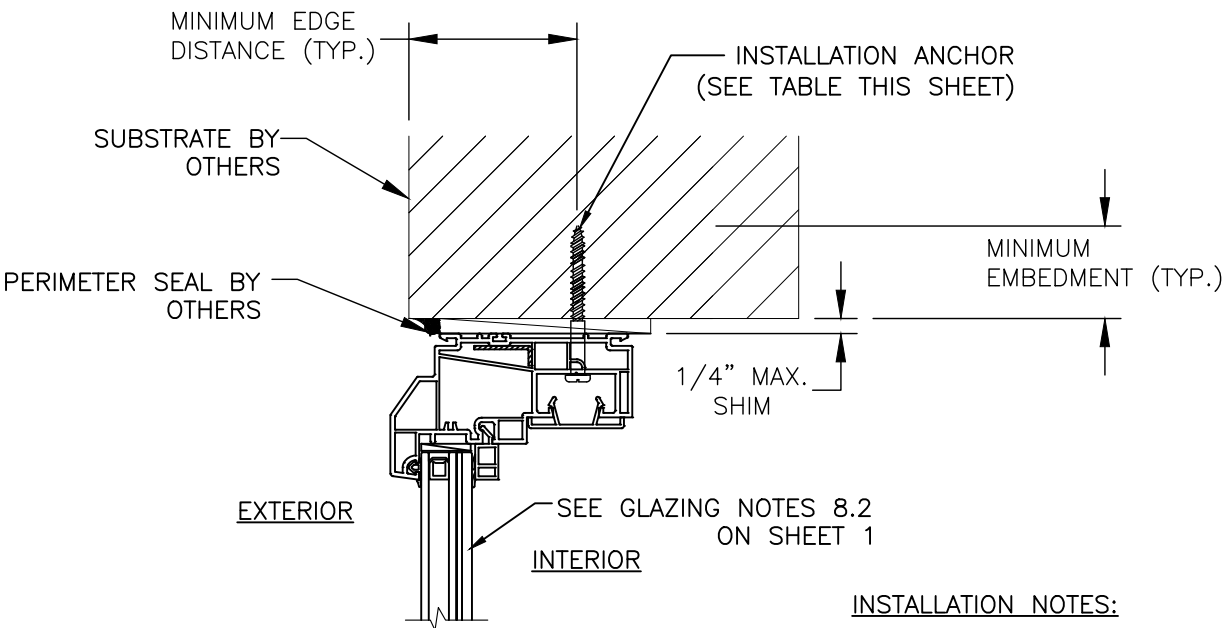
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| M.P. WINDOWS, INC.<br>407 RIVER HEIGHTS CIRCLE<br>ANDERSON, SC 29621                                                                                        |  | MODEL 700 VINYL SINGLE HUNG- LMI - NON-HVHZ<br>CROSS SECTIONAL VIEWS & GLAZING DETAIL |  | DATE: 01/05/2025 | DRAWING NO: SCS-0034 | SHEET: 3 OF 5 |
| TITLE:                                                                                                                                                      |  | DRAWN BY: JRM                                                                         |  | SCALE: NONE      | REV: ---             |               |
| AMORUSO CONSULTING<br>ENGINEERING, LLC<br>226 N. NOVA RD.<br>NO. 142<br>ORMOND BEACH, FL 32174<br>FBPE REGISTRATION No. 38327<br>Email: rjamoruso@gmail.com |  |                                                                                       |  |                  |                      |               |

ROBERT J. AMORUSO, P.E.  
FLORIDA PE NO. 49752



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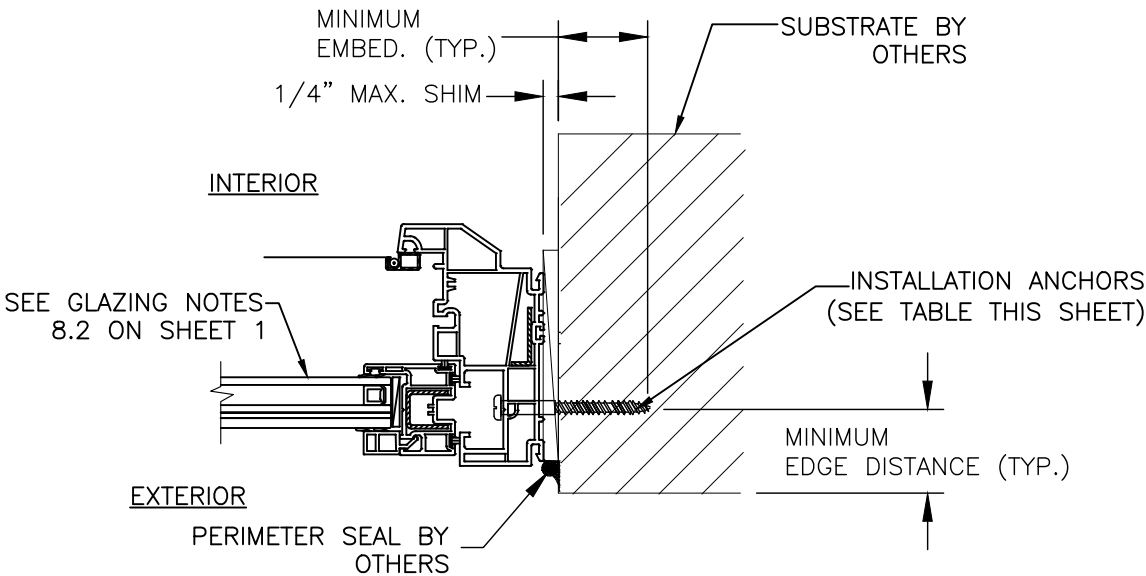
THROUGH FRAME (RETROFIT) ANCHOR DETAIL



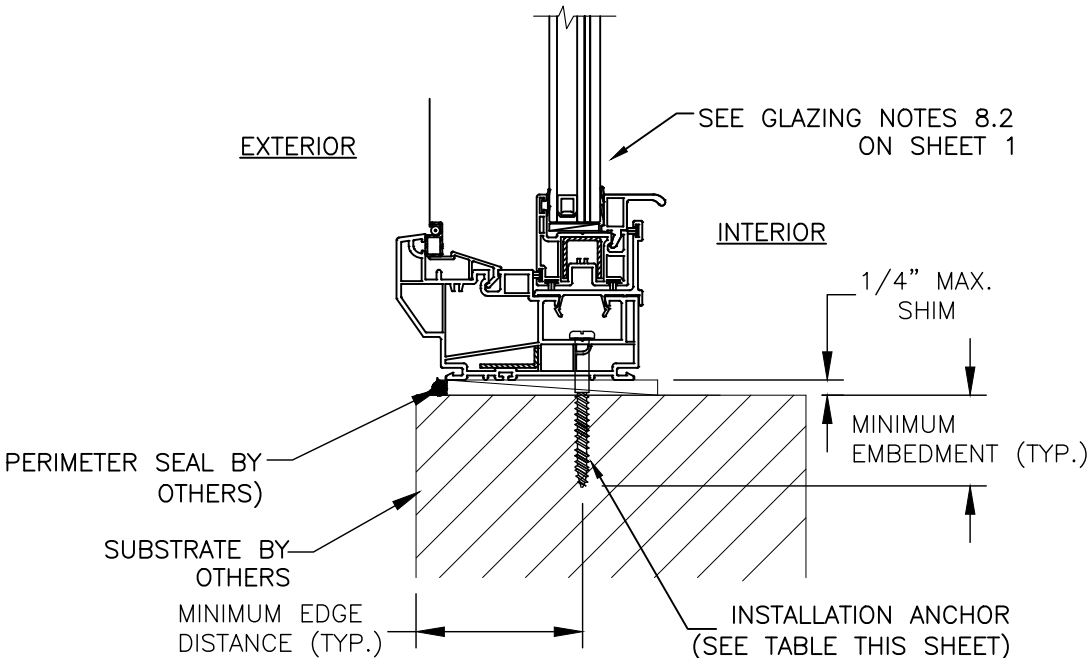
B  
4  
ANCHOR DETAIL  
THROUGH FRAME  
FRAME HEAD

INSTALLATION NOTES:

1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".



C  
4  
ANCHOR DETAIL  
THROUGH FRAME  
FRAME JAMB



A  
4  
ANCHOR DETAIL  
THROUGH FRAME  
FRAME SILL

| INSTALLATION ANCHOR SCHEDULE |                          |                     |            |                                   |                   |                     |                         |                                                          |
|------------------------------|--------------------------|---------------------|------------|-----------------------------------|-------------------|---------------------|-------------------------|----------------------------------------------------------|
| SUBSTRATE                    | INSTALLATION TYPE        | SCREW HEAD TYPE (2) | SCREW SIZE | MANUFACTURER AND/OR SPECIFICATION | MIN. SPACING (IN) | MIN. EMBEDMENT (IN) | MIN. EDGE DISTANCE (IN) | ANCHOR CAPACITIES BASED ON SUBSTRATE STRENGTHS           |
| CONCRETE                     | THROUGH FRAME (RETROFIT) | HEX OR PAN HEAD     | 3/16"      | ITW TAPCONS(1)                    | 3"                | 1-1/2"              | 1-1/8"                  | MIN. 2000 PSI CONCRETE                                   |
| MASONRY (BLOCK/CMU)          | THROUGH FRAME (RETROFIT) | HEX OR PAN HEAD     | 3/16"      | ITW TAPCONS(1)                    | 3"                | 1"                  | 2"                      | STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT         |
| WOOD                         | THROUGH FRAME (RETROFIT) | PAN HEAD            | NO. 10     | ANSI B18.6.1 (WOOD SCREW)         | 3/4"              | 1-3/8"              | 3/4"                    | WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ). |
|                              | THROUGH FRAME (RETROFIT) |                     | NO. 10     | ASME B18.6.4 (TAPPING SCREW)      | 3/4"              | 1-3/8"              | 3/4"                    |                                                          |

- NOTES:
- (1) ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS WILL BE USED FOR CONCRETE/MASONRY INSTALLATION.
- (2) HEX (CONCRETE/MASONRY) OR PAN HEAD PREFERRED. FLAT HEAD ACCEPTABLE FOR THROUGH FRAME.

PROJECT # ACE-2024-210

M.P. WINDOWS, INC.  
407 RIVER HEIGHTS CIRCLE  
ANDERSON, SC 29621

TITLE: MODEL 700 VINYL SINGLE HUNG- LMI - NON-HVHZ  
ANCHORAGE DETAILS - THROUGH FRAME

DRAWN BY: JRM  
DATE: 01/05/2025

SCALE: NONE  
DRAWING NO: SCS-0034

REV: ---  
SHEET: 4 OF 5

ROBERT J. AMORUSO, P.E.  
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