

PLY GEM WINDOWS

PRO CLASSIC / 1500 SERIES VINYL  
SLIDING PATIO DOOR (IMPACT)

NOTES:

1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS HEREIN.
2. THIS PRODUCT IS MISSILE LEVEL D, WIND ZONE 3 IMPACT RESISTANT. WHEN USED IN WIND ZONE 3 OR BELOW AREAS, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
3. ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.
5. WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).
6. IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
7. SHIMS ARE REQUIRED WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E1300.
10. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.
11. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS NATIONAL CERTIFIED TESTING LABORATORIES I10-21611-I, I10-21566-I & I10-21567-I.
13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
14. USE A BACKER ROD ON ALL JOINTS >3/4" DEEP AND/OR WIDER THAN 1/4". FINISHED CAULK JOINT SHOULD BE A MINIMUM OF 3/8" DEEP.

| SIZE CHART   |         |                |                      |                          |
|--------------|---------|----------------|----------------------|--------------------------|
| OVERALL SIZE |         | PRODUCT RATING | MAX. DESIGN PRESSURE | MISSILE IMPACT RATING    |
| WIDTH        | HEIGHT  |                |                      |                          |
| 71-1/2"      | 81-1/2" | LC-PG50        | +55/-55 PSF          | MISSILE D<br>WIND ZONE 3 |

| TABLE OF CONTENTS |                                                 |
|-------------------|-------------------------------------------------|
| SHEET             | SHEET DESCRIPTION                               |
| 1                 | INSTALLATION & GENERAL NOTE                     |
| 2                 | ELEVATION & ANCHOR LAYOUTS                      |
| 3                 | VERTICAL / HORIZONTAL SECTIONS & GLAZING DETAIL |

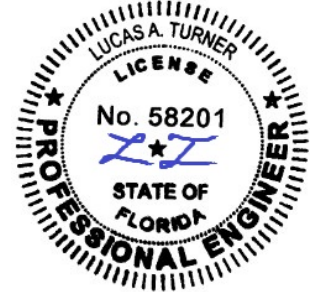
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| TABLE I: INSTALLATION FASTENERS TABLE                            |                                                                |                                                       |                           |                    |
|------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------|---------------------------|--------------------|
| ID                                                               | SUBSTRATE TYPE                                                 | ANCHOR TYPE                                           | MIN. EMBED.               | MIN. EDGE DISTANCE |
| FIN INSTALLATION                                                 |                                                                |                                                       |                           |                    |
| A                                                                | 2X MIN. SOUTHERN PINE WOOD (G=0.55)                            | 10D COMMON NAIL                                       | 2-1/2"                    | 7/8"               |
| B                                                                | 2X MIN. SOUTHERN PINE WOOD (G=0.55)                            | #8 WOOD SCREW                                         | 1-1/2"                    | 3/8"               |
| C                                                                | 16 GAUGE (0.060") STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN. | #10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX) | FULL, PLUS 3 THREADS MIN. | 1/2"               |
| FRAME INSATLLATION (ONE LOCATED AT CENTER OF HEAD, SEE DET. A/2) |                                                                |                                                       |                           |                    |
| D                                                                | 2X MIN. SOUTHERN PINE WOOD (G=0.55)                            | #8 WOOD SCREW                                         | 2"                        | 5/8"               |
| E                                                                | 16 GAUGE (0.060") STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN. | #10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX) | FULL, PLUS 3 THREADS MIN. | 1/2"               |

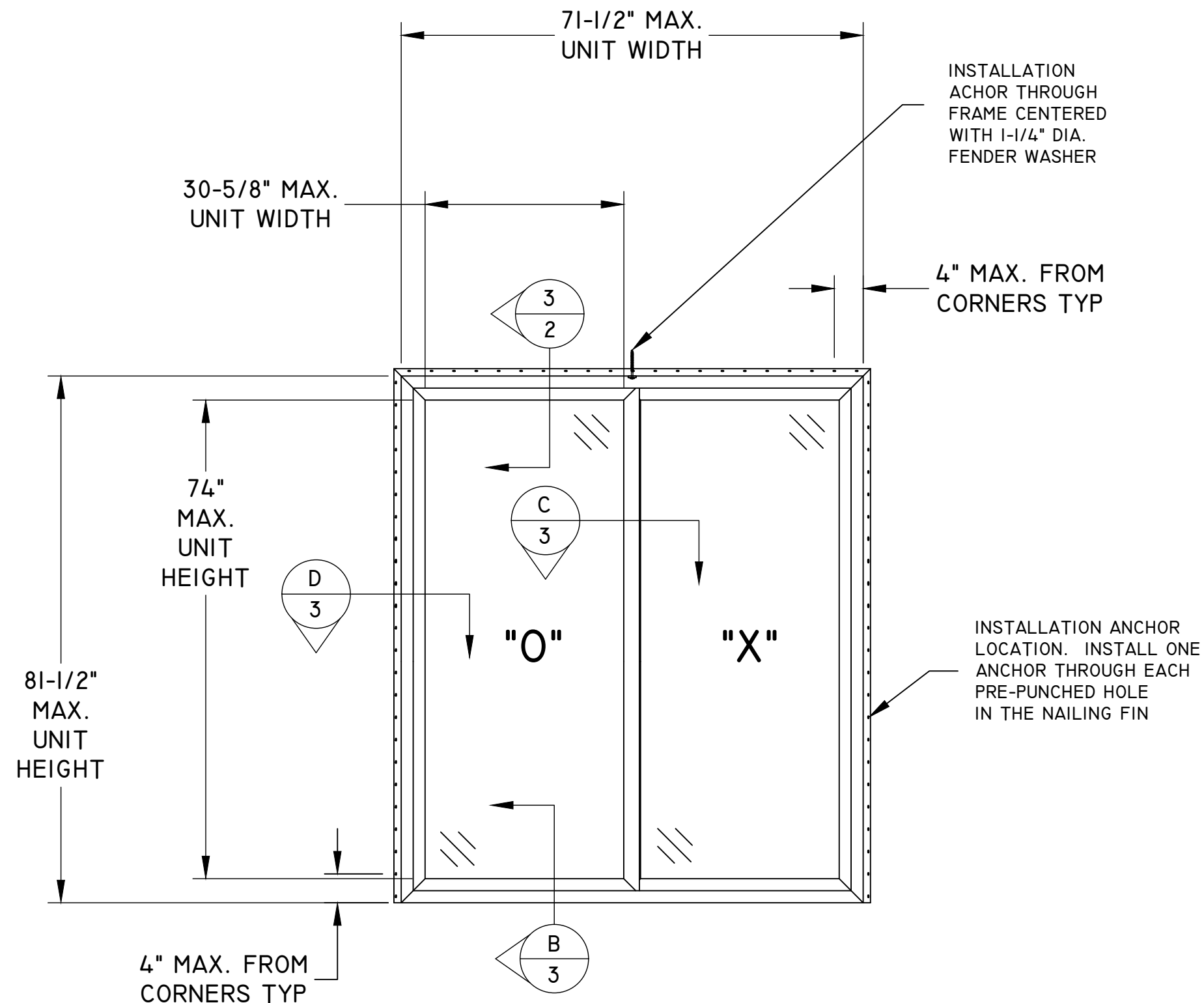
\*NOTE: ALL SCREWS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER. ALL NAILS SHALL HAVE FULL ROUND HEAD (OR USE CAPS/WASHERS), 0.42" MIN. HEAD OR WASHER DIAMETER.

| TITLE: PRO CLASSIC \ 1500 SERIES IMPACT VINYL PATIO DOOR<br>INSTALLATION & GENERAL NOTES | REVISION DESCRIPTION |                            | DATE     |  |
|------------------------------------------------------------------------------------------|----------------------|----------------------------|----------|--|
|                                                                                          | NO.                  | BY                         | DATE     |  |
|                                                                                          | A                    | LMH                        | 12.16.20 |  |
|                                                                                          | B                    | LMH                        | 06.07.22 |  |
| UPDATED FOR 7TH EDITION 2020 FBC/ECO 18-095                                              |                      | UPDATED SIZE CHART/MAX. DP |          |  |
| CURRENT FBC                                                                              |                      | 06.10.26                   |          |  |

|                |             |         |            |
|----------------|-------------|---------|------------|
| DATE: 10.04.19 | DWN BY: LMH | CHK BY: | SCALE: NTS |
|----------------|-------------|---------|------------|



06/10/2026  
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## TYPICAL ELEVATION WITH FASTENER SPACING

FIN INSTALLATION

| TITLE: PRO CLASSIC \ 1500 SERIES IMPACT VINYL PATIO DOOR<br>ELEVATION & ANCHOR DETAILS |                                             |     |          |  |  |  |  |
|----------------------------------------------------------------------------------------|---------------------------------------------|-----|----------|--|--|--|--|
| NO.                                                                                    | REVISION DESCRIPTION                        | BY  | DATE     |  |  |  |  |
| A                                                                                      | UPDATED FOR 7TH EDITION 2020 FBC/ECO 18-095 | LMH | 12.16.20 |  |  |  |  |
| B                                                                                      | UPDATED SIZE CHART/MAX. DP                  | LMH | 06.07.22 |  |  |  |  |
| C                                                                                      | CURRENT FBC                                 | LMH | 06.10.26 |  |  |  |  |

|                   |                |         |               |
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DWG #: PGW318

SHEET: 2 OF 3



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