PLY GEM WINDOWS SERIES 1500 FIXED WINDOW (IMPACT)

NOTES:

- I. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND 2018 INTERNATIONAL RESIDENTIAL CODE.
- 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 I-I/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 I/16" exist between opening and frame. Max. shim stack is I/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 E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
- 9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
- 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.
- II. 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 II0-I56I5-I AND II0-2I233-I.
- 13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
- 14. USE 100% PURE SILICONE CAULK COMPLIANT WITH AAMA 800 SECTION I SEALANT SPECIFICATIONS FOR USE WITH ARCHITECTURAL FENESTRATION PRODUCTS.
- 15. 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		
OVERAL	LL SIZE	PRODUCT	MAX. DESIGN	GLAZING	MISSILE IMPACT
WIDTH	HEIGHT	RATING	PRESSURE	DETAIL	RATING
60"	71-15/16"	FW-LC50	+50/-60 PSF	ı	LARGE & SMALL
48"	80"	FW-LC50	+50/-50 PSF	2	MISSILE IMPACT

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SHEET	SHEET DESCRIPTION
ı	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & ANCHOR SCHEDULE
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4	HORIZONTAL SECTIONS

TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
		FIN INSTALLATION		
А	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	I-I/2"	7/16"
В	I6 GAUGE (0.060") STEEL 36 KSI MIN. OR I/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	7/16"
	FRAM	IE OR CLIP INSTALLATION		
С	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	I-I/2"	1-1/8"
D	HOLLOW OR GROUT-FILLED CMU (II7 PCF MIN.)	3/16" ITW TAPCON	["	2"
E	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"
F	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
G	I6 GAUGE (0.060") STEEL 36 KSI MIN. OR I/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 AND TAPCONS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER FOR FIN ANCHORS, 0.355" MIN. HEAD OR WASHER DIAMETER FOR FRAME ANCHORS.

PlyGem* Activision of Comparations Building Broads

433 N. MAIN ST., PO BOX 559 ROCKY MOUNT, VA 24151

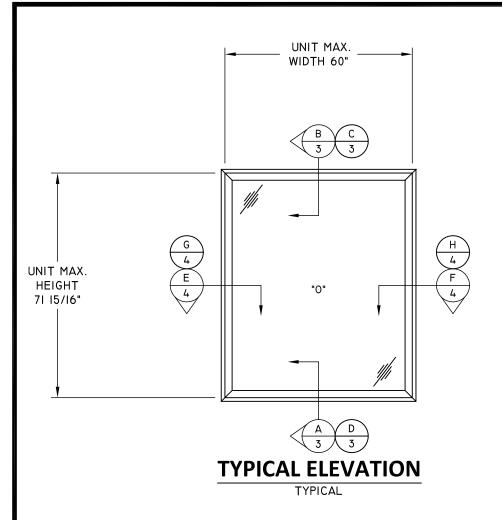
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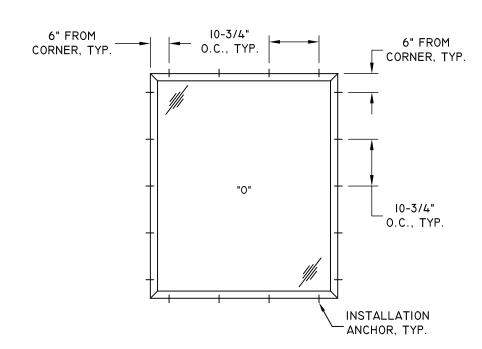
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14.00.14		INSTALLATION AND GENERAL NOTES		
DWN BY: NO.	N0.	REVISION DESCRIPTION	ВҮ	DATE
JLA	∢	A 5TH EDITION FBC REVISIONS	ST	91.60.60 ST
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CHK BY:	В	ADDED NOTES & TABLE I	ГМН	LMH 12.09.17
SCALE:	၁	SCALE: C UPDATED SIZE CHART PER EC 18-104	H ω	LMH 03.27.19
NTS	۵	CODE UPDATE	ГМН	LMH 08.03.20



7/30/2020
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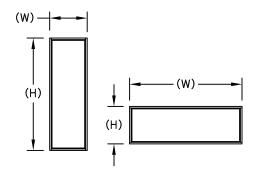




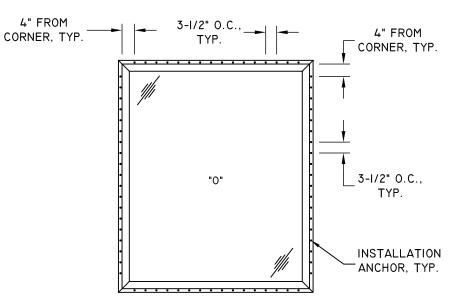
ANCHOR LAYOUT

FRAME INSTALLATION

NOTE:
USE OF EITHER BRICKMOULD OR BEVELED
FRAME TYPES IS QUALIFIED UNDER THIS
APPROVAL TO THE SIZES AND
PERFORMANCE LIMITS LISTED HEREIN.

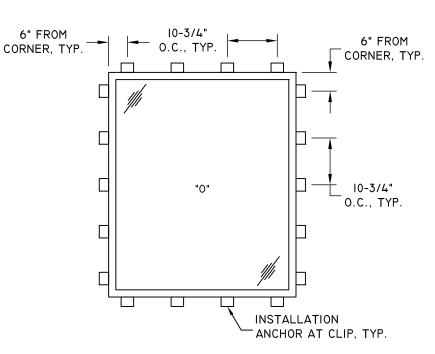


NOTE:
WINDOW WIDTH (W) AND HEIGHT
(H) ARE INTERCHANGEABLE FOR ALL
SIZES SHOWN HEREIN NOT TO EXCEED
MAXIMUM TESTED SQUARE FOOT AREA.



ANCHOR LAYOUT

FIN INSTALLATION



ANCHOR LAYOUT

CLIP INSTALLATION



433 N. MAIN ST., PO BOX 559 ROCKY MOUNT, VA 24151

PH: 540-484-6348 FX: 540-484-6683

DATE:	TIT	TITLE: SERIES 1500 FIXED WINDOW		
12.05.12		ELEVATIONS & ANCHOR SCHEDULE		
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SHEET:

of 4

WIN-1768

