

PLY GEM WINDOWS

PRO SERIES CLASSIC HORIZONTAL MULLION IMPACT

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE.
2. MULLION INSTALLATION DETAILS APPLY TO DUAL 253273 HP MULL STEEL REINFORCEMENTS WITH EXTRUDED VINYL MULL STRIP WHEN USED TO MULL WINDOWS SIDE BY SIDE.
3. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS ZONE 3 OR LESS. INDIVIDUAL UNITS MUST BE IMPACT RATED.
4. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGION ZONE 4.
5. USE 3/16" ITW TAPCON ANCHOR OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1-1/4" INTO MASONRY OR CONCRETE. 3/16" ITW TAPCON MUST HAVE A 2-1/2" MINIMUM EDGE DISTANCE FROM EDGE OF MASONRY OR CONCRETE. (SEE CHARTS & NOTES ON SHEET 5 FOR DESIGN PRESSURE AND ANCHOR NOTES).
6. USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1-1/2" INTO WOOD FRAMING. (SEE CHARTS & NOTES ON SHEET 5 FOR DESIGN PRESSURE AND ANCHOR NOTES).
7. USE #8 TEK SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND STEEL STRUCTURE. (SEE CHARTS & NOTES ON SHEET 5 FOR DESIGN PRESSURE AND ANCHOR NOTES).
8. MASONRY, 1X2 & 2X4 WOOD BUCKS TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
9. THIS MULLION IS ONLY VALID WHEN USED IN CONJUNCTION WITH APPLICABLE PLY GEM PRODUCTS.
10. ALL WINDOWS USED WITH THIS MULLION SHALL BE QUALIFIED UNDER SEPARATE APPROVAL.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.
 - D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

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TITLE: PRO CLASSIC SERIES
HORIZONTAL MULLION
IMPACT

INSTALLATION & GENERAL NOTES

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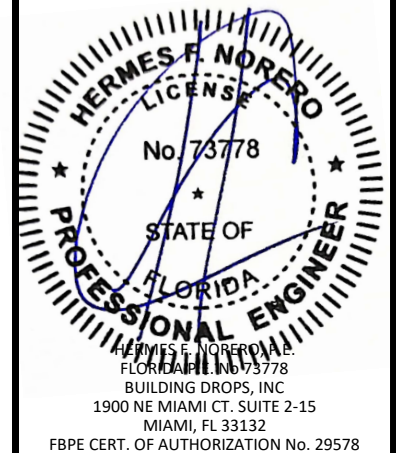
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REMARKS	BY	DATE
5TH EDITION FBC UPDATE	SM	08.20.14
UPDATED NOTE 8, SHEET 5	LMH	09.26.17
CURRENT FBC	LMH	07.22.26

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

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Reason: I am approving this document
Date: 2026.08.06 20:25:47 -04'00'



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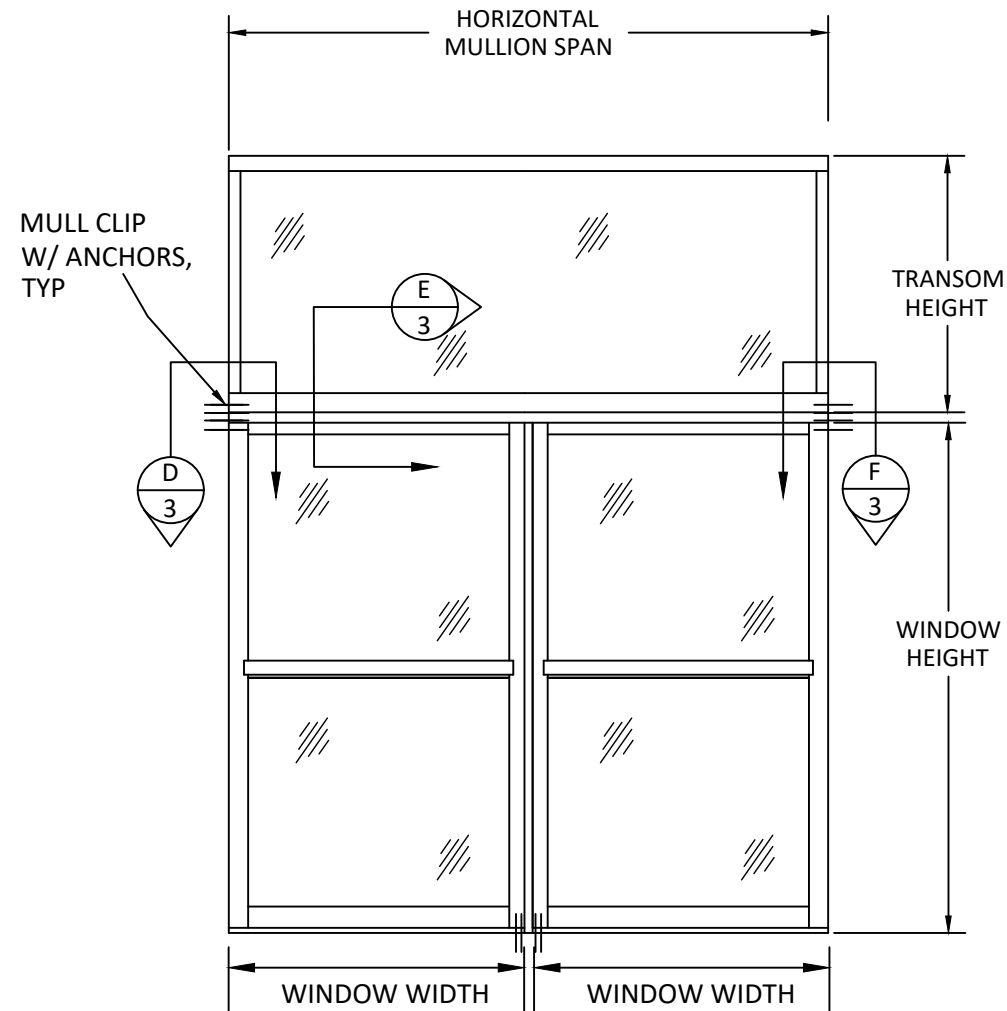
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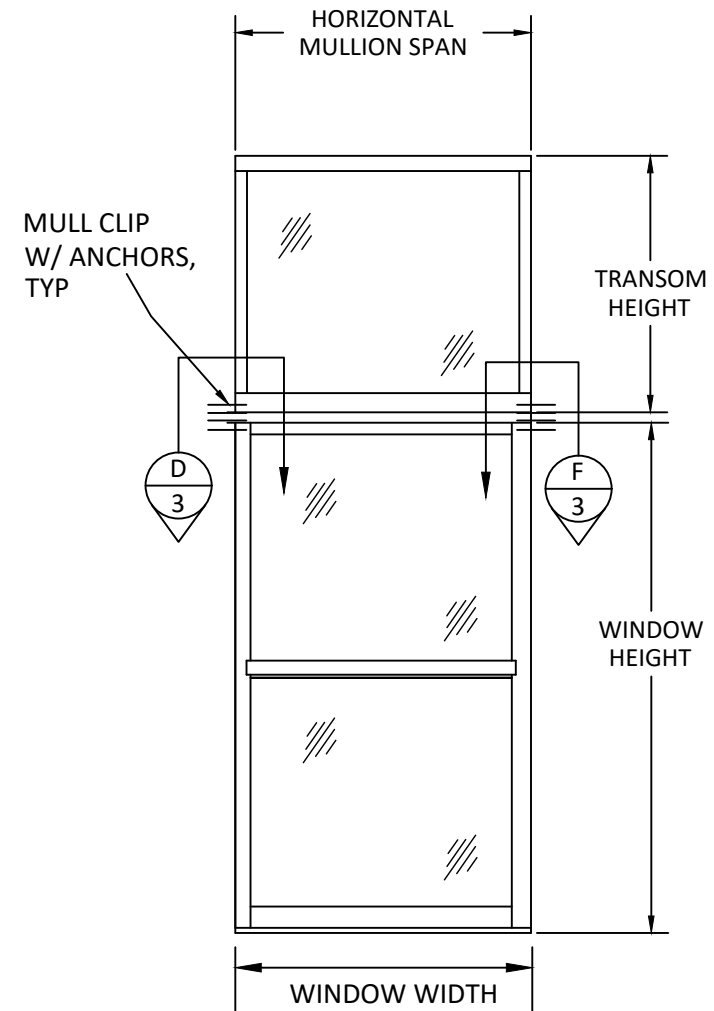
SCALE: NTS

DWG. #: PGW092

SHEET:



HORIZONTAL MULLION
FOR TWIN WINDOW WITH TRANSOM
SEE CHARTS ON SHEET 5 FOR DESIGN PRESSURE
AND ANCHOR SCHEDULE



HORIZONTAL MULLION
FOR SINGLE WINDOW WITH TRANSOM
SEE CHART ON SHEET 5 FOR DESIGN PRESSURE
AND ANCHOR SCHEDULE

TITLE:
PRO CLASSIC SERIES
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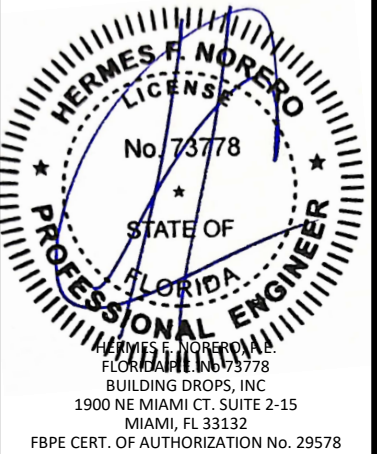
ELEVATION & ANCHOR LAYOUT

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PRO CLASSIC SERIES
HORIZONTAL MULLION
IMPACT

HORIZONTAL SECTIONS

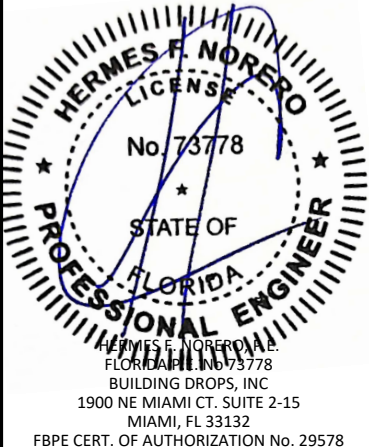
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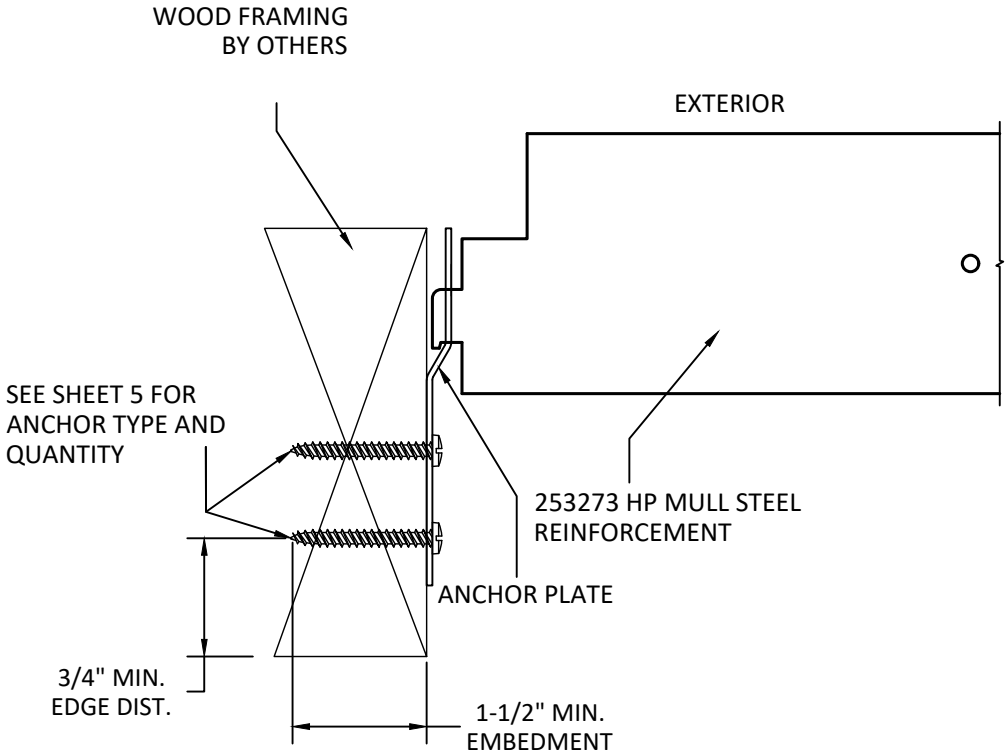


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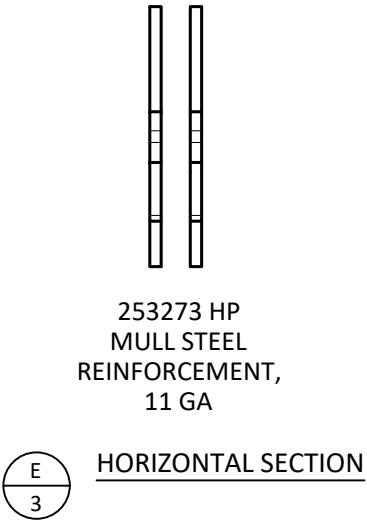
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D
3
HORIZONTAL SECTION
(WOOD, ANCHOR PLATE)



F
3
HORIZONTAL SECTION
(MASONRY, ANCHOR PLATE)

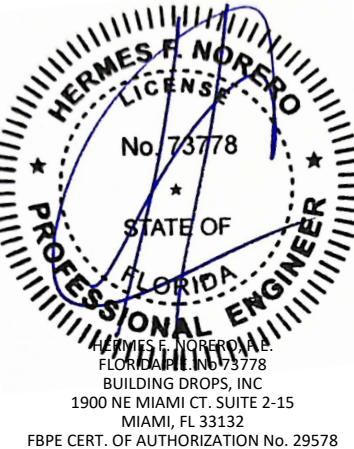
PRO CLASSIC SERIES
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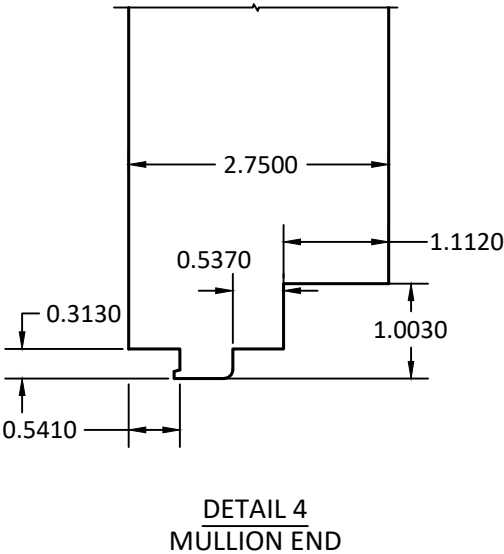
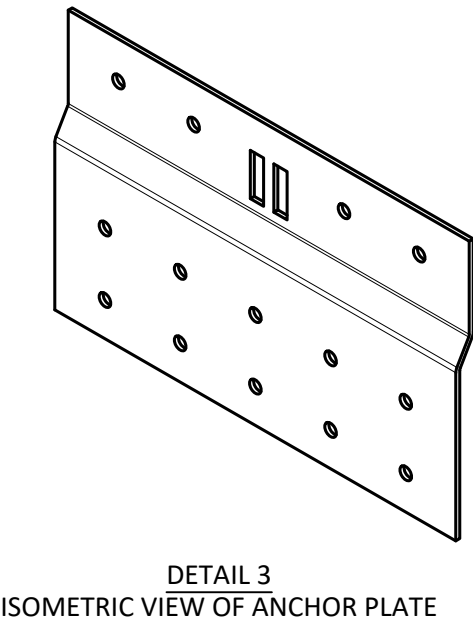
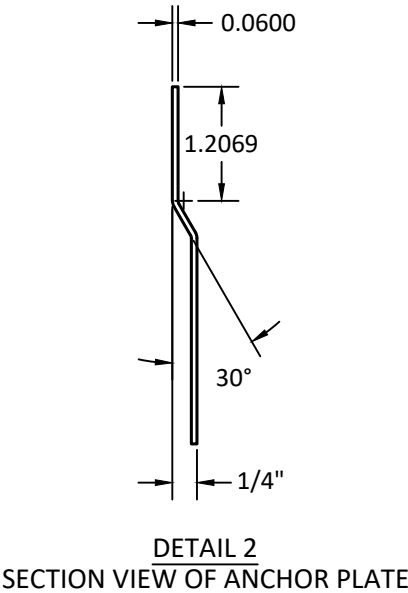
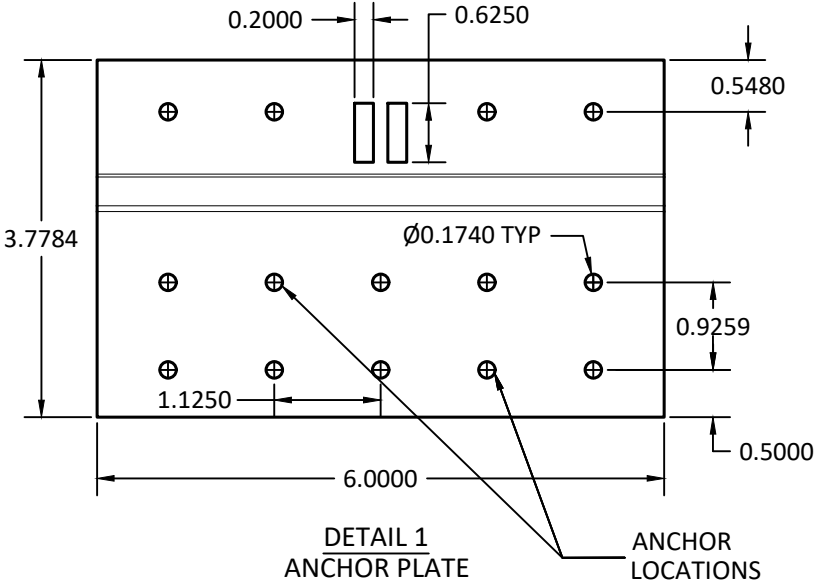
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SHEET:

4

OF 5



DESIGN PRESSURE CHARTS

Maximum design pressure capacity chart (psf)
Pro Classic Horizontal mullion, twin with transom (hook and anchor plate)
Design pressures are limited either by mullion or anchor screw or anchor clip capacity.

Height (in)		Unit width (in)									
Window	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
17.0	8.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
24.0	12.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
30.0	15.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
36.0	18.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
42.0	21.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
48.0	24.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	31.3
54.0	27.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	33.6	28.1
60.0	30.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	30.5	25.5
66.0	33.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	34.1	28.0	23.3
72.0	36.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	31.6	25.8	21.5

NOTES FOR TWIN WINDOW W/ TRANSOM AND DUAL 253273 HP
MULL STEEL REINFORCEMENTS WITH ANCHOR PLATE

- 1) THE DESIGN PRESSURES IN THIS CHART ARE FOR THE MULLIONS LISTED ABOVE WHEN USED WITH THE CLIP LISTED ABOVE.
- 2) FOR HORIZONTAL MULL CLIPS IN WOOD FRAMING INSTALLATION USE (3) THREE #8 WOOD SCREWS AT EACH ANCHOR CLIP. MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A 1-1/2" MINIMUM EMBEDMENT INTO FRAMING. SEE SHEET 3 FOR DETAILS.
- 3) FOR HORIZONTAL MULL CLIPS IN MASONRY INSTALLATION USE (3) THREE 3/16" ITW TAPCONS AT EACH ANCHOR CLIP WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. SEE SHEET 3 FOR DETAILS.
- 4) FOR HORIZONTAL MULL CLIPS IN STEEL INSTALLATION USE (3) THREE #8 TEK SCREWS, GRADE 5 AT EACH ANCHOR CLIP WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND STEEL STRUCTURE.
- 5) CHART APPLIES ONLY TO DUAL 253273 HP STEEL REINFORCEMENT MULLIONS AS SPECIFIED ABOVE WHEN USED TO MULL WINDOWS ABOVE EACH OTHER.
- 6) READ WINDOW HEIGHT AND MULL SPAN IN INCHES. DESIGN PRESSURE VALUES ON THIS CHART ARE POSITIVE AND NEGATIVE PSF.
- 7) DESIGN PRESSURE VALUES APPLY TO MULLION WHERE TWO OR MORE WINDOWS ARE LISTED IN A SINGLE OPENING.
- 8) INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

1.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

1.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

Maximum design pressure capacity chart
Pro Classic Horizontal mullion, single with transom (hook and anchor plate)
Design pressures are limited either by mullion or anchor screw or anchor clip capacity.

Height (in)		Unit width (in)			
Window	Transom	18.0	24.0	30.0	36.0
17.0	8.5	50.0	50.0	50.0	50.0
24.0	12.0	50.0	50.0	50.0	50.0
30.0	15.0	50.0	50.0	50.0	50.0
36.0	18.0	50.0	50.0	50.0	50.0
42.0	21.0	50.0	50.0	50.0	50.0
48.0	24.0	50.0	50.0	50.0	50.0
54.0	27.0	50.0	50.0	50.0	50.0
60.0	30.0	50.0	50.0	50.0	50.0
66.0	33.0	50.0	50.0	50.0	50.0
72.0	36.0	50.0	50.0	50.0	50.0

NOTES FOR SINGLE WINDOW W/ TRANSOM AND DUAL 253273 HP
MULL STEEL REINFORCEMENTS WITH ANCHOR PLATE

- 1) THE DESIGN PRESSURES IN THIS CHART ARE FOR THE MULLIONS LISTED ABOVE WHEN USED WITH THE CLIP LISTED ABOVE.
- 2) FOR HORIZONTAL MULL CLIPS IN WOOD FRAMING INSTALLATION USE (3) THREE #8 WOOD SCREWS AT EACH ANCHOR CLIP. MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A 1-1/2" MINIMUM EMBEDMENT INTO FRAMING. SEE SHEET 3 FOR DETAILS.
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8.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

8.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

TITLE:

PRO CLASSIC SERIES
HORIZONTAL MULLION
IMPACT

CHARTS & NOTES

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