

# GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL FRAME ANCHORS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HHHZ).
5. THIS PRODUCT IS NON-IMPACT RATED & MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. UNLESS OTHERWISE SPECIFIED HERE-IN, PRODUCT ASSEMBLY AND ALL ASSEMBLY REQUIREMENTS/OPTIONS SHALL BE AS TESTED, ARE THE RESPONSIBILITY OF EACH THE MANUFACTURER AND THEIR APPLICABLE QUALITY ASSURANCE & ARE NOT THE RESPONSIBILITY OF THESE DOCUMENTS NOR THE CERTIFICATION OF THESE DOCUMENTS.
10. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.
11. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
12. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFORM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

## FRAME ANCHOR REQUIREMENTS TABLE

| OPENING TYPE<br>(SUBSTRATE)                              | FRAME/FIN TO OPENING FASTENER<br>TYPE | MINIMUM<br>EMBED | MINIMUM<br>EDGE DIST. |
|----------------------------------------------------------|---------------------------------------|------------------|-----------------------|
| (2) FRAME & RECEPTOR SCREWS                              |                                       |                  |                       |
| (4) MIN. 2X6 WOOD FRAME OR BUCK<br>(MIN. GR. 3 & G=0.55) | NO. 12 SMS OR WOOD SCREW              | 1 1/4"           | 7/8"                  |
| MIN. 18 GA. 33 KSI METAL STUD                            | NO. 12 GR. 5 SELF TAP/DRILL SCREW     | FULL             | 1/2"                  |
| MIN. 1/8" THK A36 STEEL                                  | NO. 12 GR. 5 SELF TAP/DRILL SCREW     | FULL             | 1/2"                  |
| MIN. 1/8" THK 6063-T5 ALUM.                              | NO. 12 GR. 5 SELF TAP/DRILL SCREW     | FULL             | 1/2"                  |
| MIN. C-90 CMU OR 2500 PSI CONCRETE                       | (1) 1/4" CONCRETE SCREW               | 1 1/4"           | 2"                    |
| (3) NAILING FIN FASTENERS                                |                                       |                  |                       |
| MIN. 2X4 WOOD FRAME OR BUCK<br>(MIN. GR. 3 & G=0.55)     | NO. 8 SMS SCREW                       | 1 3/8"           | 1/2"                  |
| MIN. 1/8" THK A36 STEEL                                  | NO. 8 GR. 5 SELF TAP/DRILL SCREW      | FULL             | 1/2"                  |
| MIN. 1/8" THK 6063-T5 ALUM.                              | NO. 8 GR. 5 SELF TAP/DRILL SCREW      | FULL             | 1/2"                  |

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).
- (2) ALL FRAME & RECEPTOR SCREWS SHALL BE FLAT HEAD, PAN HEAD OR HEX HEAD TYPE SCREWS.
- (3) ALL NAIL FIN SCREWS SHALL BE PAN HEAD OR HEX HEAD TYPE SCREWS.
- (4) 2X6 FRAME/BUCK MAY BE RIPPED DOWN TO MIN. 4 1/4" WIDE.

## SINGLE WINDOW SIZE/PRESSURE TABLE (SINGLE WINDOW WITH GLASS OPTION 1)

| MAX. FRAME LONG DIMENSION (IN.) | MAX. FRAME SHORT DIMENSION (IN.) | MAX. LONG D.L.O. (IN.) | MAX. SHORT D.L.O. (IN.) | ALLOWABLE PRESSURE (PSF) |
|---------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|
|                                 |                                  |                        |                         | POS. NEG.                |
| 120                             | 48                               | 117 1/2                | 45 1/2                  | 70.0 90.0                |
| 114                             | 50 1/2                           | 115 1/2                | 48                      | 68.4 87.9                |
|                                 | 48 1/2                           | 115 1/2                | 45                      | 70.0 90.0                |
| 108                             | 53 1/4                           | 105 1/2                | 50 3/4                  | 67.0 86.1                |
|                                 | 49 3/4                           | 105 1/2                | 47 1/4                  | 70.0 90.0                |
| 102                             | 56 1/2                           | 99 1/2                 | 54                      | 65.8 84.6                |
|                                 | 51                               | 99 1/2                 | 48 1/2                  | 70.0 90.0                |
| 96                              | 60                               | 93 1/2                 | 57 1/2                  | 65.2 83.8                |
|                                 | 53                               | 93 1/2                 | 50 1/2                  | 70.0 90.0                |

1. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES & DO NOT EXCEED THE WINDOW AREA TESTED.
2. FOR GLAZING OPTIONS, SEE GLAZING DETAILS ON SHEET B.

## SINGLE WINDOW SIZE/PRESSURE TABLE (SINGLE WINDOW WITH GLASS OPTION 2)

| MAX. FRAME LONG DIMENSION (IN.) | MAX. FRAME SHORT DIMENSION (IN.) | MAX. LONG D.L.O. (IN.) | MAX. SHORT D.L.O. (IN.) | ALLOWABLE PRESSURE (PSF) |
|---------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|
|                                 |                                  |                        |                         | POS. NEG.                |
| 120                             | 15                               | 117 1/2                | 12 1/2                  | 60.0 60.0                |
|                                 | 14                               | 117 1/2                | 11 1/2                  | 60.0 64.3                |
| 108                             | 16 1/2                           | 115 1/2                | 14                      | 60.0 60.6                |
|                                 | 15                               | 115 1/2                | 12 1/2                  | 60.0 66.7                |
|                                 | 14                               | 115 1/2                | 11 1/2                  | 60.0 71.4                |
| 102                             | 17 1/2                           | 99 1/2                 | 15                      | 60.0 60.5                |
|                                 | 15                               | 99 1/2                 | 12 1/2                  | 60.0 70.6                |
|                                 | 14                               | 99 1/2                 | 11 1/2                  | 60.0 75.6                |
| 96                              | 18 3/4                           | 93 1/2                 | 16 1/4                  | 60.0 60.0                |
|                                 | 15                               | 93 1/2                 | 12 1/2                  | 60.0 75.0                |
|                                 | 14                               | 93 1/2                 | 11 1/2                  | 60.0 80.0                |
| 90                              | 20                               | 87 1/2                 | 17 1/2                  | 60.0 60.0                |
|                                 | 18                               | 87 1/2                 | 15 1/2                  | 60.0 66.7                |
|                                 | 15                               | 87 1/2                 | 12 1/2                  | 60.0 80.0                |
| 84                              | 21 1/2                           | 81 1/2                 | 19                      | 60.0 60.0                |
|                                 | 18                               | 81 1/2                 | 15 1/2                  | 60.0 71.4                |
|                                 | 16                               | 81 1/2                 | 13 1/2                  | 60.0 80.0                |
| 78                              | 23                               | 75 1/2                 | 20 1/2                  | 60.0 60.2                |
|                                 | 21                               | 75 1/2                 | 18 1/2                  | 60.0 65.9                |
|                                 | 18                               | 75 1/2                 | 15 1/2                  | 60.0 76.9                |
| 72                              | 17                               | 75 1/2                 | 14 1/2                  | 60.0 80.0                |
|                                 | 25                               | 69 1/2                 | 22 1/2                  | 60.0 60.0                |
|                                 | 21                               | 69 1/2                 | 18 1/2                  | 60.0 71.4                |
|                                 | 18                               | 69 1/2                 | 15 1/2                  | 60.0 80.0                |
| 66                              | 27 1/4                           | 63 1/2                 | 24 3/4                  | 60.0 60.1                |
|                                 | 24                               | 63 1/2                 | 21 1/2                  | 60.0 68.2                |
|                                 | 21                               | 63 1/2                 | 18 1/2                  | 60.0 77.9                |
|                                 | 20                               | 63 1/2                 | 17 1/2                  | 60.0 80.0                |
| 60                              | 30                               | 57 1/2                 | 27 1/2                  | 60.0 60.0                |
|                                 | 27                               | 57 1/2                 | 24 1/2                  | 60.0 66.7                |
|                                 | 24                               | 57 1/2                 | 21 1/2                  | 60.0 75.0                |
|                                 | 22                               | 57 1/2                 | 19 1/2                  | 60.0 80.0                |
| 54                              | 33 1/4                           | 51 1/2                 | 30 3/4                  | 60.0 60.2                |
|                                 | 30                               | 51 1/2                 | 27 1/2                  | 60.0 66.7                |
|                                 | 27                               | 51 1/2                 | 24 1/2                  | 60.0 74.1                |
|                                 | 25                               | 51 1/2                 | 22 1/2                  | 60.0 80.0                |
| 48                              | 37 1/2                           | 45 1/2                 | 35                      | 60.0 60.0                |
|                                 | 36                               | 45 1/2                 | 33 1/2                  | 60.0 62.5                |
|                                 | 33                               | 45 1/2                 | 30 1/2                  | 60.0 68.2                |
|                                 | 30                               | 45 1/2                 | 27 1/2                  | 60.0 75.0                |
|                                 | 28                               | 45 1/2                 | 25 1/2                  | 60.0 80.0                |
| 42 1/2                          | 42 1/2                           | 40                     | 40                      | 60.0 60.0                |
|                                 | 39                               | 39.5                   | 36 1/2                  | 60.0 65.9                |
|                                 | 36                               | 39.5                   | 33 1/2                  | 60.0 71.4                |
|                                 | 33                               | 39.5                   | 30 1/2                  | 60.0 77.9                |
|                                 | 32                               | 39.5                   | 29 1/2                  | 60.0 80.0                |
| 39                              | 39                               | 36.5                   | 36 1/2                  | 60.0 71.0                |
|                                 | 36                               | 36.5                   | 33 1/2                  | 60.0 76.9                |
|                                 | 34                               | 36.5                   | 31 1/2                  | 60.0 80.0                |
| 36                              | 36                               | 33.5                   | 33 1/2                  | 60.0 80.0                |

1. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES & DO NOT EXCEED THE WINDOW AREA TESTED.
2. FOR GLAZING OPTIONS, SEE GLAZING DETAILS ON SHEET B.

## SINGLE PANEL INSERT WINDOW SIZE/PRESSURE TABLE

| MAX. FRAME LONG DIMENSION (IN.) | MAX. FRAME SHORT DIMENSION (IN.) | MAX. LONG D.L.O. (IN.) | MAX. SHORT D.L.O. (IN.) | ALLOWABLE PRESSURE (PSF) |
|---------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|
|                                 |                                  |                        |                         | POS. NEG.                |
| 60                              | 24                               | 57 1/2                 | 21 1/2                  | 60.0 80.0                |
| 57                              | 25 1/4                           | 54 1/2                 | 22 3/4                  | 60.0 80.0                |
| 54                              | 26 1/2                           | 51 1/2                 | 24                      | 60.0 80.0                |
| 51                              | 28 1/4                           | 48 1/2                 | 25 3/2                  | 60.0 80.0                |
| 48                              | 30                               | 45 1/2                 | 27 1/2                  | 60.0 80.0                |
| 45                              | 32                               | 42 1/2                 | 29 1/2                  | 60.0 80.0                |
| 42                              | 34 1/4                           | 39 1/2                 | 31 3/4                  | 60.0 80.0                |
| 39                              | 37                               | 36 1/2                 | 34 1/2                  | 60.0 80.0                |
| 38                              | 38                               | 35 1/2                 | 35 1/2                  | 60.0 80.0                |

1. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES & DO NOT EXCEED THE WINDOW AREA TESTED.

## SINGLE LOUVER INSERT WINDOW SIZE/PRESSURE TABLE

| MAX. FRAME WIDTH (IN.) | MAX. FRAME HEIGHT (IN.) | MAX. D.L.O. WIDTH (IN.) | MAX. D.L.O. HEIGHT (IN.) | ALLOWABLE PRESSURE (PSF) |
|------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
|                        |                         |                         |                          | POS. NEG.                |
| 60                     | 48                      | 57 1/2                  | 45 1/2                   | 60.0 80.0                |
| 57                     | 25 1/4                  | 54 1/2                  | 22 3/4                   | 60.0 80.0                |
| 54                     | 26 1/2                  | 51 1/2                  | 24                       | 60.0 80.0                |
| 51                     | 28 1/4                  | 48 1/2                  | 25 3/2                   | 60.0 80.0                |
| 48                     | 30                      | 45 1/2                  | 27 1/2                   | 60.0 80.0                |
| 45                     | 32                      | 42 1/2                  | 29 1/2                   | 60.0 80.0                |
| 42                     | 34 1/4                  | 39 1/2                  | 31 3/4                   | 60.0 80.0                |
| 39                     | 37                      | 36 1/2                  | 34 1/2                   | 60.0 80.0                |
| 38                     | 38                      | 35 1/2                  | 35 1/2                   | 60.0 80.0                |
| 36                     | 40                      | 33 1/2                  | 37 1/2                   | 60.0 80.0                |
| 33                     | 43 1/2                  | 30 1/2                  | 41                       | 60.0 80.0                |
| 30                     | 48                      | 27 1/2                  | 45 1/2                   | 60.0 80.0                |
| 27                     | 53 1/4                  | 24 1/2                  | 51 3/4                   | 60.0 80.0                |
| 24                     | 60                      | 21 1/2                  | 57 1/2                   | 60.0 80.0                |

1. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES & DO NOT EXCEED THE WINDOW AREA TESTED.

DRAWN BY: W.W.S.  
PLOT: 1=16  
DATE: 11/15/19

| DATE | BY | REVISION DESCRIPTION | NO. |
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6600 ALUMINUM FIXED NON-IMPACT WINDOWS

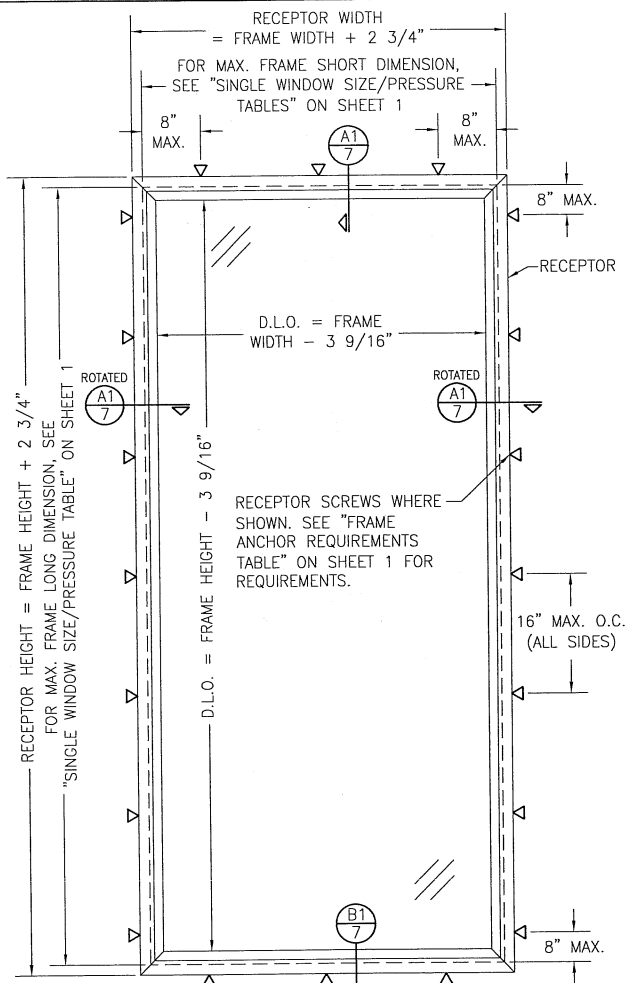
MANUFACTURER  
PEERLESS PRODUCTS, INC.  
2403 SOUTH MAIN  
FT. SCOTT, KS 66701  
866-420-4000

CONSULTANTS  
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PALM BEACH, FL 33418  
PHONE: 561-744-3424

CERTIFICATION  
NO. 44135  
NOV 20 2019  
W. W. SCHAEFER  
P.E.  
EL. NO. 44135

DRAWING NO. 1964A  
SHEET NO. 1 OF 8

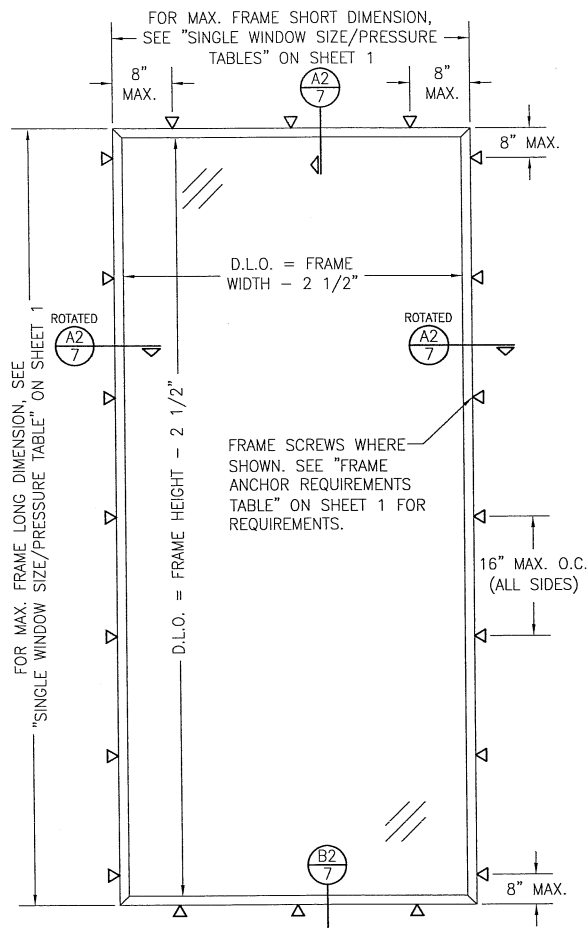
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.



**EXTERIOR ELEVATION:  
SINGLE FIXED WINDOW**

SCALE: 3/4" = 1'-0"  
(RECEPTOR MOUNT CONDITION)

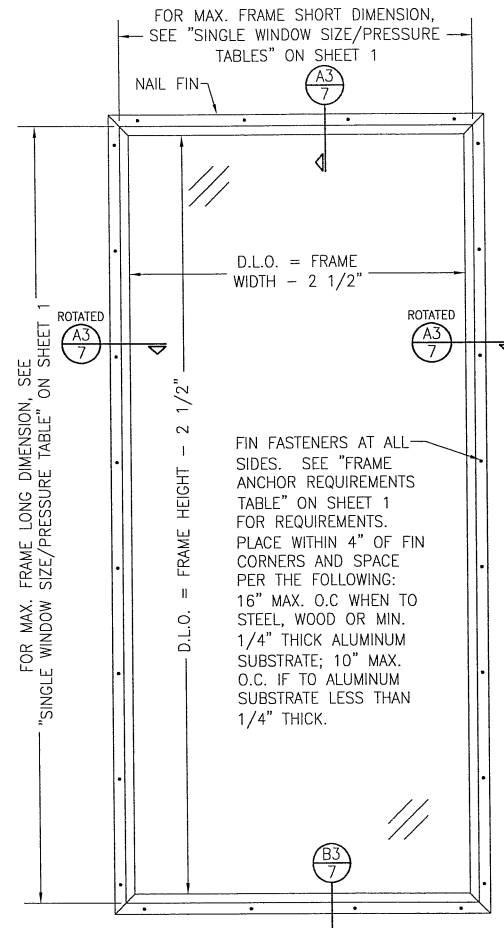
SEE TABLES ON SHEET 1 FOR ALLOWABLE  
DESIGN PRESSURE ON SINGLE WINDOWS.



**EXTERIOR ELEVATION:  
SINGLE FIXED WINDOW**

SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

LONG DIMENSION OF SINGLE WINDOWS MAY BE  
HORIZONTAL OR VERTICAL PROVIDING THE  
PROPER QUANTITY OF WEEP HOLES EXIST AT  
THE SILL IN THE FRAME AND RECEPTOR.



**EXTERIOR ELEVATION:  
SINGLE FIXED WINDOW**

SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

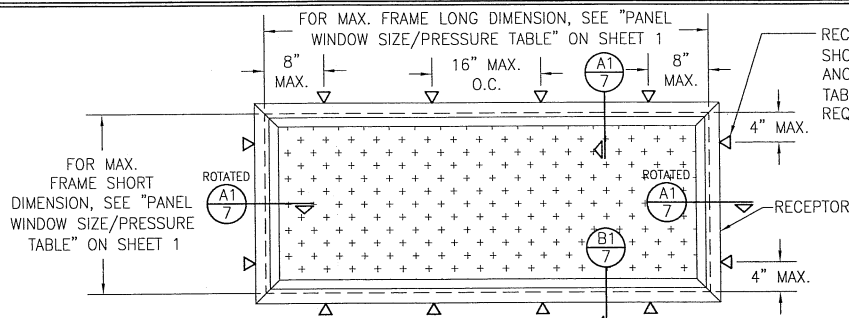
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| DRAWN BY: W.W.S. |                      | CHECKED BY: W.W.S. |      |
| PLOT: 1-16       |                      | DATE: 11/15/18     |      |
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DRAWING TITLE: 6600 ALUMINUM FIXED NON-IMPACT WINDOWS

MANUFACTURER  
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|               |             |
|---------------|-------------|
| CERTIFICATION | NOV 20 2019 |
| DRAWING NO.   | 1964A       |
| SHEET NO.     | 2 OF 8      |

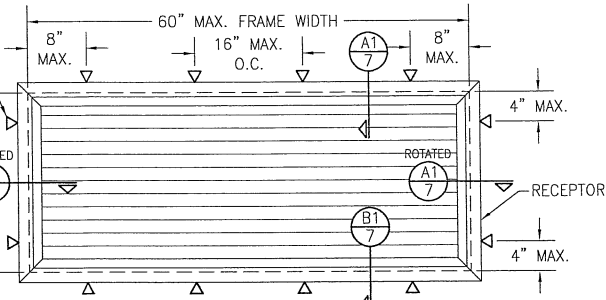


**EXTERIOR ELEVATION:**  
**SINGLE FIXED WINDOW WITH PANEL INSERT**  
 SCALE: 3/4" = 1'-0"  
 (RECEPTOR MOUNT CONDITION)

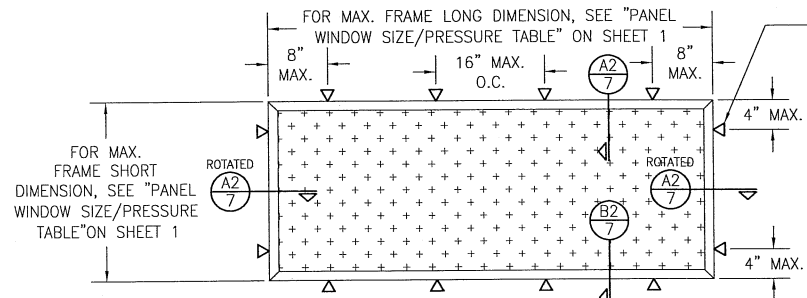
RECEPTOR SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FOR MAX. FRAME HEIGHT, SEE "LOUVER WINDOW SIZE/PRESSURE TABLE" ON SHEET 1

NOTE: LONG DIMENSION OF PANEL INSERT WINDOWS MAY BE HORIZONTAL OR VERTICAL. LOUVER INSERT WINDOWS ARE LIMITED TO THE HEIGHT & WIDTH SPECIFIED.



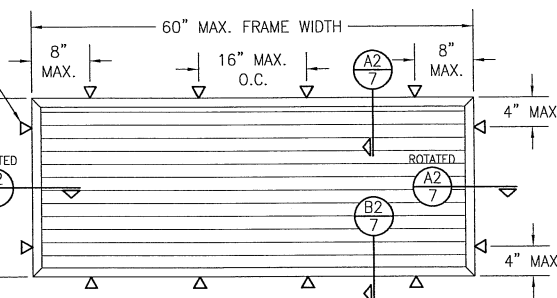
**EXTERIOR ELEVATION:**  
**SINGLE FIXED WINDOW WITH LOUVER INSERT**  
 SCALE: 3/4" = 1'-0"  
 (RECEPTOR MOUNT CONDITION)



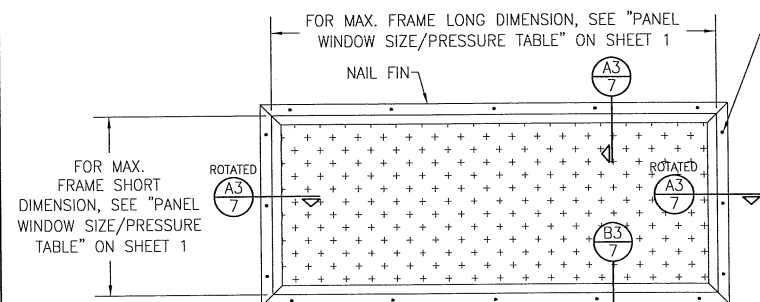
**EXTERIOR ELEVATION:**  
**SINGLE FIXED WINDOW WITH PANEL INSERT**  
 SCALE: 3/4" = 1'-0"  
 (FRAME SCREW MOUNT CONDITION)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FOR MAX. FRAME HEIGHT, SEE "LOUVER WINDOW SIZE/PRESSURE TABLE" ON SHEET 1



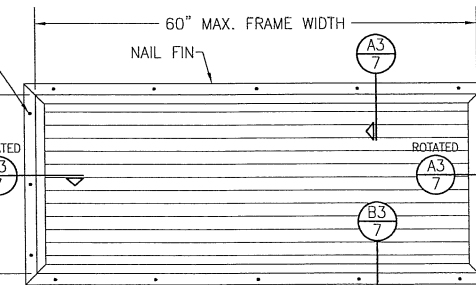
**EXTERIOR ELEVATION:**  
**SINGLE FIXED WINDOW WITH LOUVER INSERT**  
 SCALE: 3/4" = 1'-0"  
 (FRAME SCREW MOUNT CONDITION)



**EXTERIOR ELEVATION:**  
**SINGLE FIXED WINDOW WITH PANEL INSERT**  
 SCALE: 3/4" = 1'-0"  
 (NAIL FIN MOUNT CONDITION)

FIN FASTENERS AT ALL SIDES. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS. PLACE WITHIN 4" OF FIN CORNERS AND MAX. 16" O.C. ALL SIDES.

FOR MAX. FRAME HEIGHT, SEE "LOUVER WINDOW SIZE/PRESSURE TABLE" ON SHEET 1



**EXTERIOR ELEVATION:**  
**SINGLE FIXED WINDOW WITH LOUVER INSERT**  
 SCALE: 3/4" = 1'-0"  
 (NAIL FIN MOUNT CONDITION)

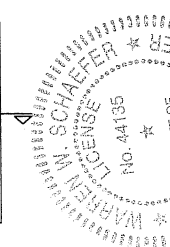
SEE TABLES ON SHEET 1 FOR ALLOWABLE DESIGN PRESSURE ON SINGLE WINDOWS.

|                       |        |             |          |
|-----------------------|--------|-------------|----------|
| DRAWN BY:             | W.W.S. | CHECKED BY: | W.W.S.   |
| PLOT:                 | 1=16   | DATE:       | 11/15/19 |
| DATE:                 |        |             |          |
| BY:                   |        |             |          |
| REVISION DESCRIPTION: |        |             |          |
| NO.                   |        |             |          |

DRAWING TITLE: 6600 ALUMINUM FIXED NON-IMPACT WINDOWS

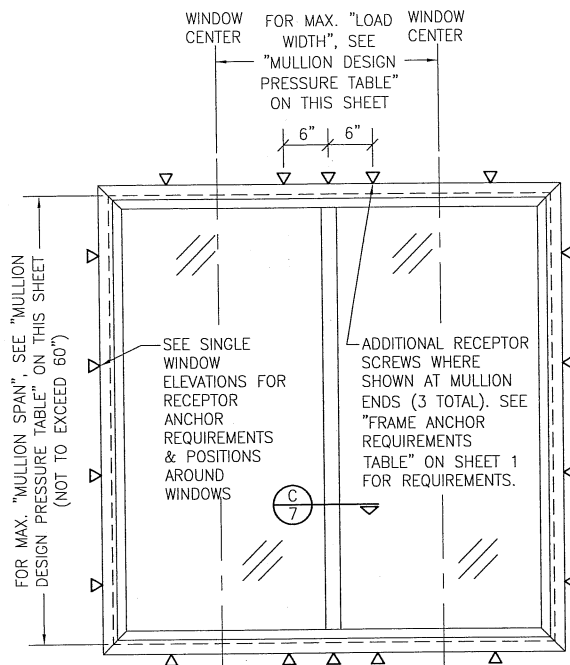
MANUFACTURER  
 PEERLESS PRODUCTS, INC.  
 2403 SOUTH MAIN  
 FT. SCOTT, KS 66701  
 866-420-4000

CONSULTANTS  
 W. W. SCHAEFER ENGINEERING  
 & CONSULTING, P.A. (CA 6809)  
 7480 15TH COURT NORTH  
 PALM BEACH GARDENS, FL 33418  
 PHONE: 561-744-3424

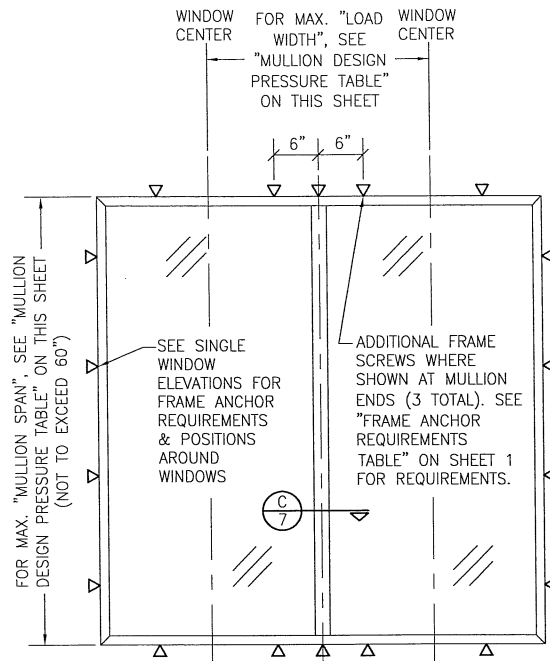


DATE OF CERTIFICATION: NOV 2, 2019  
 W. W. SCHAEFER, P.E.  
 NO. 44135

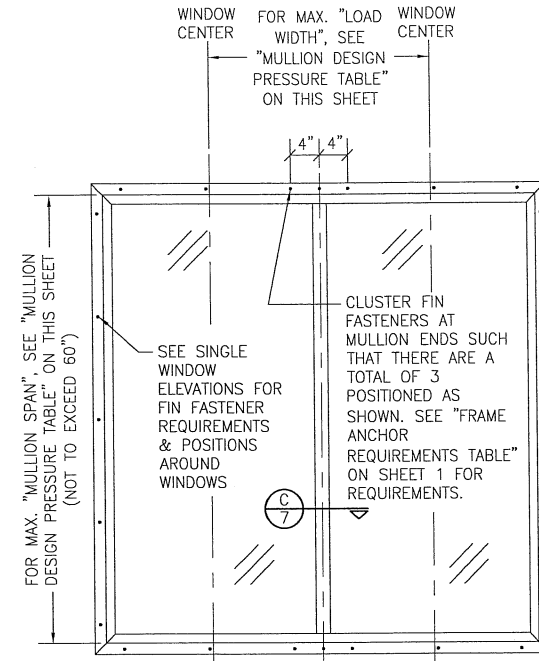
|             |       |      |   |
|-------------|-------|------|---|
| DRAWING NO. | 1964A | REV. |   |
| SHEET NO.   | 3     | OF   | 8 |



EXTERIOR ELEVATION:  
DOUBLE GLASS WINDOW UNIT  
SCALE: 3/4" = 1'-0"  
(RECEPTOR MOUNT CONDITION)



EXTERIOR ELEVATION:  
DOUBLE GLASS WINDOW UNIT  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)



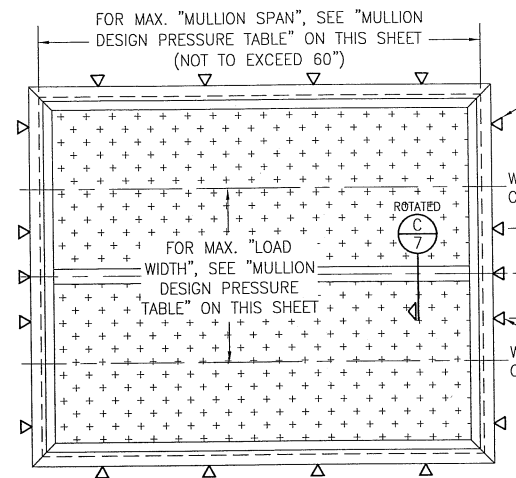
EXTERIOR ELEVATION:  
DOUBLE GLASS WINDOW UNIT  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

#### DOUBLE GLASS WINDOW UNIT & MULLION TABLE NOTES:

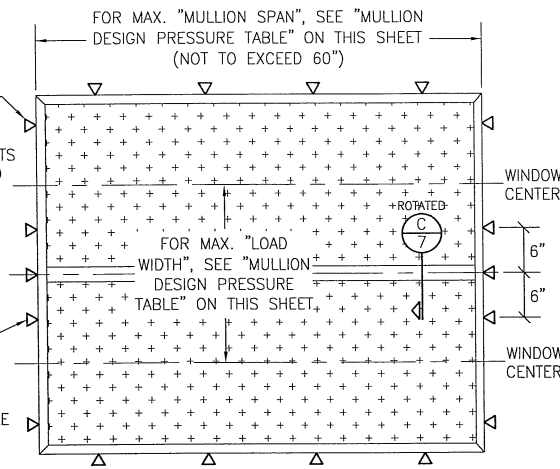
- FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS.
- MULLION MAY BE HORIZONTAL OR VERTICAL PROVIDING UNIT SIZES ARE RESTRICTED AS SHOWN IN THESE ELEVATIONS.
- IF VERTICALLY STACKED, THE MANUFACTURER &/OR INSTALLER SHALL INSURE THAT THE DEAD LOAD WEIGHT OF THE ABOVE WINDOWS CAN NOT CAUSE UNDO FAILURE TO THE BELOW WINDOWS.
- EACH INDIVIDUAL WINDOW SECTION WITHIN THE UNIT SHALL NOT EXCEED THE REQUIREMENTS SPECIFIED FOR SINGLE WINDOWS (D.L.O. DIMENSIONS AND CORRESPONDING ALLOWABLE PRESSURE IN THE SINGLE WINDOW PRESSURE TABLES MAY NOT BE EXCEEDED).
- THE LESSER OF THE DESIGN PRESSURE FOR EACH THE MULLION AND THE INDIVIDUAL WINDOWS WITHIN SHALL CONTROL FOR THE OVERALL UNIT.
- MULLION SPAN DIMENSION IS TAKEN TO THE OUTER WINDOW FRAME.
- GLASS NEXT TO GLASS IS SHOWN IN THESE ELEVATIONS. THE FOLLOWING ALSO APPLIES TO THE ELEVATIONS AND LOAD TABLE ON THIS SHEET:
  - GLASS OVER GLASS
  - GLASS NEXT TO, OVER OR UNDER A PANEL INSERT
  - GLASS OVER OR UNDER A LOUVER INSERT

| MULLION ALLOWABLE DESIGN PRESSURE TABLE (2 WINDOW UNITS) |                          |                          |      |                            |                          |                          |      |                            |                          |
|----------------------------------------------------------|--------------------------|--------------------------|------|----------------------------|--------------------------|--------------------------|------|----------------------------|--------------------------|
| MAXIMUM MULLION SPAN (IN.)                               | MAXIMUM LOAD WIDTH (IN.) | ALLOWABLE PRESSURE (PSF) |      | MAXIMUM MULLION SPAN (IN.) | MAXIMUM LOAD WIDTH (IN.) | ALLOWABLE PRESSURE (PSF) |      | MAXIMUM MULLION SPAN (IN.) | MAXIMUM LOAD WIDTH (IN.) |
|                                                          |                          | POS.                     | NEG. |                            |                          | POS.                     | NEG. |                            |                          |
| 60                                                       | 60 OR MORE               | 41.0                     | 41.0 | 57                         | 36                       | 57.7                     | 57.7 | 54                         | 24                       |
|                                                          | 48                       | 43.4                     | 43.4 |                            | 33                       | 60.0                     | 60.6 |                            | 51 OR MORE               |
|                                                          | 42                       | 46.8                     | 46.8 |                            | 30                       | 60.0                     | 64.3 |                            | 60.0                     |
|                                                          | 36                       | 51.8                     | 51.8 |                            | 27                       | 60.0                     | 69.0 |                            | 60.0                     |
|                                                          | 33                       | 55.5                     | 55.5 |                            | 24                       | 60.0                     | 75.0 |                            | 60.0                     |
|                                                          | 30                       | 60.0                     | 60.0 |                            | 21                       | 60.0                     | 80.0 |                            | 60.0                     |
|                                                          | 27                       | 60.0                     | 64.5 | 54                         | 54 OR MORE               | 55.6                     | 55.6 | 48                         | 48 OR MORE               |
|                                                          | 24                       | 60.0                     | 70.3 |                            | 48                       | 56.3                     | 56.3 |                            | 60.0                     |
|                                                          | 21                       | 60.0                     | 77.9 |                            | 42                       | 58.4                     | 58.4 |                            | 60.0                     |
|                                                          | 20                       | 60.0                     | 80.0 |                            | 36                       | 60.0                     | 62.5 |                            | 60.0                     |
|                                                          | 57 OR MORE               | 47.8                     | 47.8 |                            | 33                       | 60.0                     | 65.5 |                            | 60.0                     |
|                                                          | 48                       | 49.7                     | 49.7 |                            | 30                       | 60.0                     | 69.2 |                            | 60.0                     |
| 57                                                       | 42                       | 53.0                     | 53.0 |                            | 27                       | 60.0                     | 74.1 | 45                         | 45 OR MORE               |
|                                                          |                          |                          |      |                            |                          |                          |      |                            | 60.0                     |

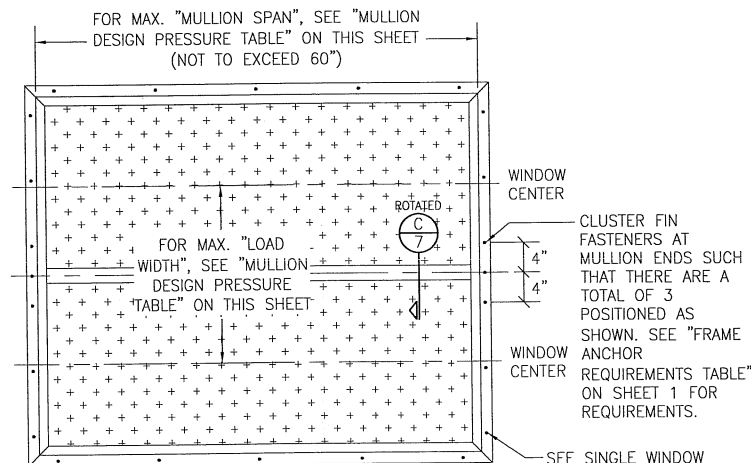
|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                    |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|------|
| DRAWN BY: W.W.S.                                                                                                                                                                                                                                                                                                                                                                                                                             |                      | CHECKED BY: W.W.S. |      |
| PLOT: 1-16                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      | DATE: 11/15/19     |      |
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                          | REVISION DESCRIPTION | BY                 | DATE |
| DRAWING TITLE: 6600 ALUMINUM FIXED NON-IMPACT WINDOWS<br>MANUFACTURER: PEERLESS PRODUCTS, INC.<br>2403 SOUTH MAIN<br>FT. SCOTT, KS 66701<br>866-420-4000<br>CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)<br>7480 150TH COURT NORTH<br>PALM BEACH GARDENS, FL 33418<br>PHONE: 561-744-3424<br>STATE OF FLORIDA<br>CERTIFICATION: W. W. SCHAEFER<br>No. 44135<br>DATE: NOV 20 2019<br>P.E. W. W. SCHAEFER<br>No. 44135 |                      |                    |      |
| DRAWING NO. 1964A                                                                                                                                                                                                                                                                                                                                                                                                                            |                      | REV.               |      |
| SHEET NO. 4                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      | OF 8               |      |



**EXTERIOR ELEVATION:**  
**DOUBLE LOUVER OR PANEL INSERT WINDOW UNIT**  
SCALE: 3/4" = 1'-0"  
(RECEPTOR MOUNT CONDITION)



**EXTERIOR ELEVATION:**  
**DOUBLE LOUVER OR PANEL INSERT WINDOW UNIT**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)



**EXTERIOR ELEVATION:**  
**DOUBLE LOUVER OR PANEL INSERT WINDOW UNIT**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

**MULLION ALLOWABLE DESIGN PRESSURE TABLE**  
(MULLIONS BETWEEN LOUVER AND PANEL INSERTS)

| MAXIMUM MULLION SPAN (IN.) | MAXIMUM LOAD WIDTH (IN.) | ALLOWABLE PRESSURE (PSF) |      |
|----------------------------|--------------------------|--------------------------|------|
|                            |                          | POS.                     | NEG. |
| 60                         | 24                       | 60                       | 80   |
| 57                         | 25 1/4                   | 60                       | 80   |
| 54                         | 26 1/2                   | 60                       | 80   |
| 51                         | 28 1/4                   | 60                       | 80   |
| 48                         | 30                       | 60                       | 80   |
| 45                         | 32                       | 60                       | 80   |
| 42                         | 34 1/4                   | 60                       | 80   |
| 39                         | 37                       | 60                       | 80   |
| 38                         | 38                       | 60                       | 80   |

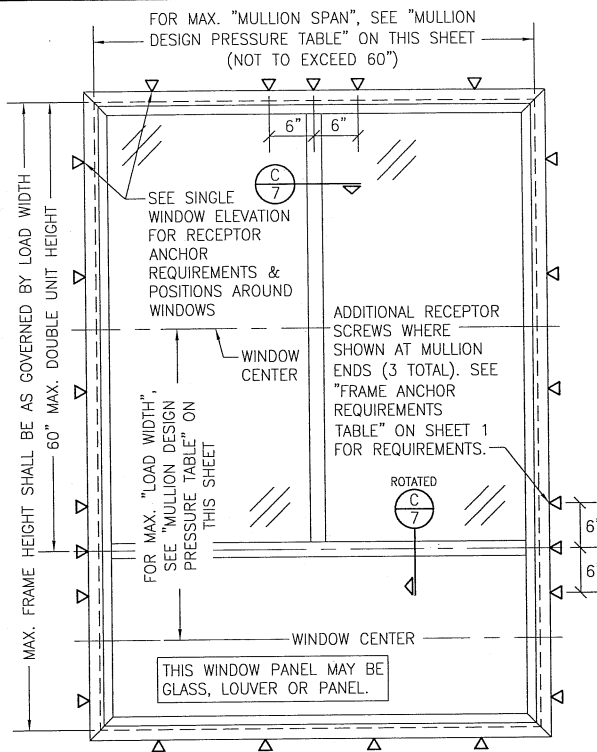
**NOTES:**

1. SEE ELEVATIONS FOR DIMENSIONING OF LOAD WIDTH.
2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL WINDOWS.

**DOUBLE LOUVER/PANEL WINDOW UNIT NOTES:**

1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE LOUVER/PANEL WINDOW ELEVATIONS.
2. MULLION MAY BE HORIZONTAL OR VERTICAL WITH PANEL INSERT WINDOWS PROVIDING UNIT SIZES ARE RESTRICTED AS SHOWN IN THESE ELEVATIONS.
3. MULLION MAY ONLY BE HORIZONTAL WITH LOUVER INSERT WINDOWS.
4. EACH INDIVIDUAL WINDOW SECTION WITHIN THE UNIT SHALL NOT EXCEED THE REQUIREMENTS SPECIFIED FOR SINGLE LOUVER/PANEL INSERT WINDOWS (INDIVIDUAL WINDOW DIMENSIONS AND CORRESPONDING ALLOWABLE PRESSURE IN THE SINGLE LOUVER/PANEL INSERT WINDOW PRESSURE TABLES MAY NOT BE EXCEEDED). NOTE THAT THE INDIVIDUAL WINDOW UNITS SHALL BE MEASURED FROM THE OUTER FRAME TO THE MULLION CENTER TO DETERMINE THE APPLICABLE INDIVIDUAL WINDOW SIZE.
5. THE LESSER OF THE DESIGN PRESSURE FOR EACH THE MULLION AND THE INDIVIDUAL WINDOWS WITHIN SHALL CONTROL FOR THE OVERALL UNIT.
6. MULLION SPAN DIMENSION IS TAKEN TO THE OUTER WINDOW FRAME.
7. PANEL OVER PANEL IS SHOWN. THE FOLLOWING ALSO APPLIES TO THE ELEVATIONS AND LOAD TABLE ON THIS SHEET:
  - PANEL NEXT TO A PANEL
  - LOUVER OVER A LOUVER
  - PANEL OVER OR UNDER A LOUVER

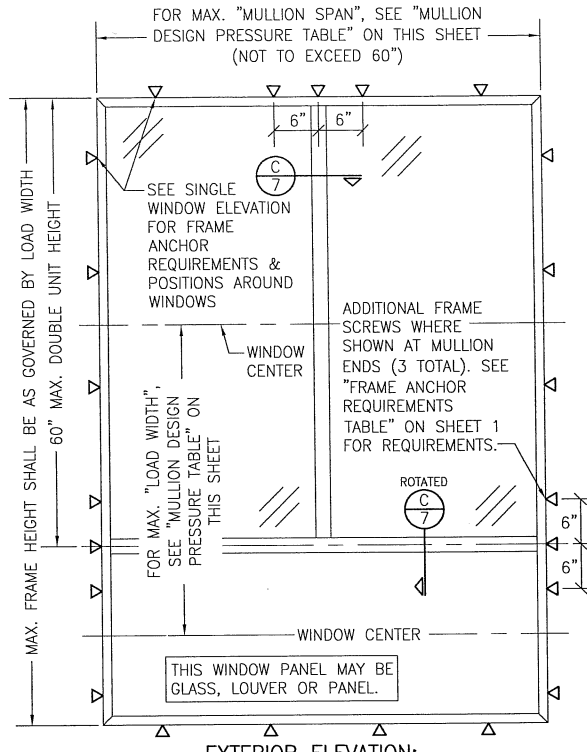
|                                                       |    |                                                                      |    |
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| DRAWN BY: W.W.S.                                      |    | CHECKED BY: W.W.S.                                                   |    |
| PLOT: 1=16                                            |    | DATE: 11/15/18                                                       |    |
| DATE                                                  | BY | REVISION DESCRIPTION                                                 | NO |
|                                                       |    |                                                                      |    |
| DRAWING TITLE: G600 ALUMINUM FIXED NON-IMPACT WINDOWS |    |                                                                      |    |
| MANUFACTURER: PEERLESS PRODUCTS, INC.                 |    | CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) |    |
| 2403 SOUTH MAIN                                       |    | 7480 150TH COURT NORTH                                               |    |
| FT. SCOTT, KS 66701                                   |    | PALM BEACH GARDENS, FL 33418                                         |    |
| 866-420-4000                                          |    | PHONE: 561-744-3424                                                  |    |
| NOV 20 2019                                           |    | P.E. W. W. SCHAEFER No. 44135                                        |    |
| DRAWING NO. 1964A                                     |    | REV.                                                                 |    |
| SHEET NO. 5                                           |    | OF 8                                                                 |    |



**EXTERIOR ELEVATION:  
3 SECTION WINDOW UNIT**

SCALE: 3/4" = 1'-0"

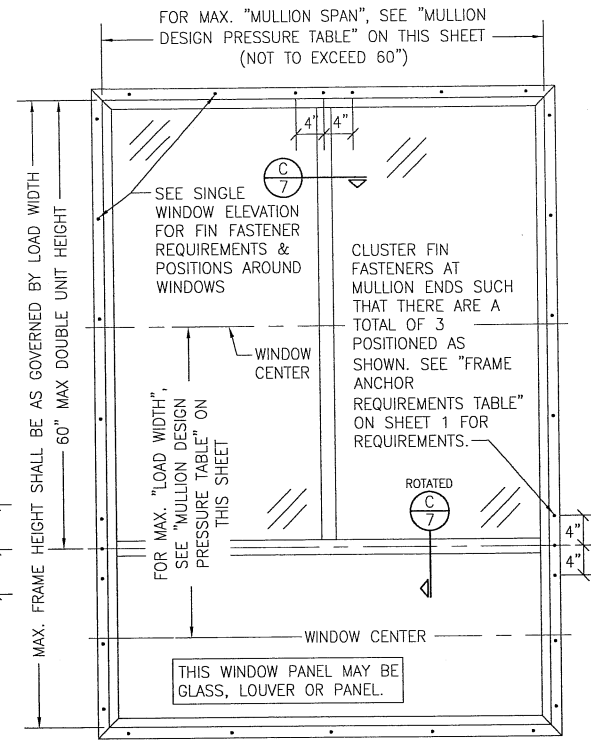
(RECEPTOR MOUNT CONDITION)



**EXTERIOR ELEVATION:  
3 SECTION WINDOW UNIT**

SCALE: 3/4" = 1'-0"

(FRAME SCREW MOUNT CONDITION)



**EXTERIOR ELEVATION:  
3 SECTION WINDOW UNIT**

SCALE: 3/4" = 1'-0"

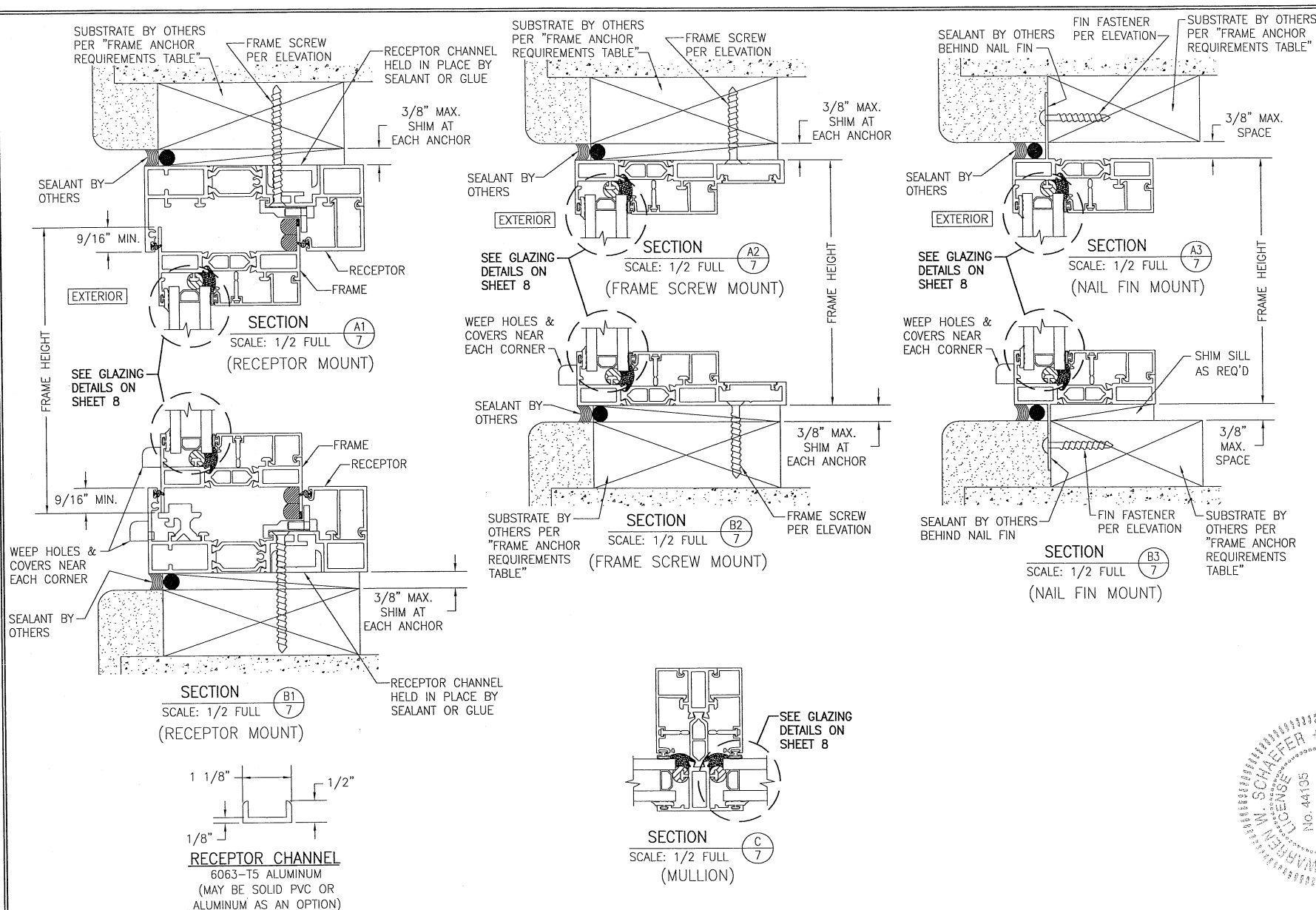
(NAIL FIN MOUNT CONDITION)

**3-SECTION WINDOW UNIT & MULLION  
TABLE NOTES:**

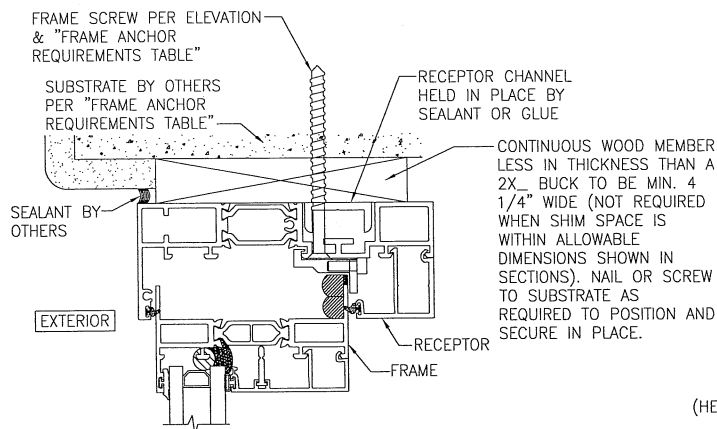
1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW/LOUVER/PANEL ELEVATIONS.
2. UNIT MAY BE ROTATED 90 DEGREES OR MIRRORED PROVIDING ALL CONDITIONS OTHERWISE APPLY AS SHOWN.
3. EACH INDIVIDUAL WINDOW SECTION WITHIN THE UNIT SHALL NOT EXCEED THE REQUIREMENTS SPECIFIED FOR SINGLE WINDOWS (D.L.O. DIMENSIONS AND CORRESPONDING ALLOWABLE PRESSURE IN THE SINGLE WINDOW PRESSURE TABLES MAY NOT BE EXCEEDED).
4. THE LESSER OF THE DESIGN PRESSURE FOR EACH THE MULLIONS AND THE INDIVIDUAL WINDOWS WITHIN SHALL CONTROL FOR THE OVERALL UNIT.
5. MULLION SPAN DIMENSION IS TAKEN TO THE OUTER WINDOW FRAME.
6. TOP WINDOWS AS SHOWN ARE GLASS. BOTTOM WINDOW AS SHOWN MAY BE GLASS, A LOUVER INSERT OR A PANEL INSERT.

| MULLION ALLOWABLE DESIGN PRESSURE TABLE (FOR 3 WINDOW UNITS) |                          |                          |      |                            |                          |                          |      |                            |                          |                          |      |
|--------------------------------------------------------------|--------------------------|--------------------------|------|----------------------------|--------------------------|--------------------------|------|----------------------------|--------------------------|--------------------------|------|
| MAXIMUM MULLION SPAN (IN.)                                   | MAXIMUM LOAD WIDTH (IN.) | ALLOWABLE PRESSURE (PSF) |      | MAXIMUM MULLION SPAN (IN.) | MAXIMUM LOAD WIDTH (IN.) | ALLOWABLE PRESSURE (PSF) |      | MAXIMUM MULLION SPAN (IN.) | MAXIMUM LOAD WIDTH (IN.) | ALLOWABLE PRESSURE (PSF) |      |
|                                                              |                          | POS.                     | NEG. |                            |                          | POS.                     | NEG. |                            |                          | POS.                     | NEG. |
| 60                                                           | 60                       | 42.0                     | 42.0 | 57                         | 36                       | 60.0                     | 73.7 | 51                         | 39                       | 60.0                     | 76.0 |
|                                                              | 54                       | 46.7                     | 46.7 |                            | 33                       | 60.0                     | 80.0 |                            | 37                       | 60.0                     | 80.0 |
|                                                              | 48                       | 52.5                     | 52.5 |                            | 60                       | 46.7                     | 46.7 |                            | 60                       | 52.5                     | 52.5 |
|                                                              | 42                       | 60.0                     | 60.0 |                            | 54                       | 51.9                     | 51.9 |                            | 54                       | 58.3                     | 58.3 |
|                                                              | 39                       | 60.0                     | 64.6 | 54                         | 48                       | 58.3                     | 58.3 | 48                         | 48                       | 60.0                     | 65.6 |
|                                                              | 36                       | 60.0                     | 70.0 |                            | 42                       | 60.0                     | 66.7 |                            | 42                       | 60.0                     | 75.0 |
|                                                              | 33                       | 60.0                     | 76.4 |                            | 39                       | 60.0                     | 71.8 |                            | 39                       | 60.0                     | 80.0 |
|                                                              | 31                       | 60.0                     | 80.0 |                            | 36                       | 60.0                     | 77.8 |                            | 36                       | 60.0                     | 80.0 |
| 57                                                           | 60                       | 44.2                     | 44.2 | 51                         | 35                       | 60.0                     | 80.0 | 45                         | 60                       | 56.0                     | 56.0 |
|                                                              | 54                       | 49.1                     | 49.1 |                            | 60                       | 49.4                     | 49.4 |                            | 54                       | 60.0                     | 62.2 |
|                                                              | 48                       | 55.3                     | 55.3 |                            | 54                       | 54.9                     | 54.9 |                            | 48                       | 60.0                     | 70.0 |
|                                                              | 42                       | 60.0                     | 63.2 |                            | 48                       | 60.0                     | 61.8 |                            | 42                       | 60.0                     | 80.0 |
|                                                              | 39                       | 60.0                     | 68.0 | 42                         | 42                       | 60.0                     | 70.6 |                            | 60                       | 60.0                     | 60.0 |
|                                                              |                          |                          |      |                            |                          |                          |      |                            | 54                       | 60.0                     | 66.7 |

|                                                                                                                                                                                                                                      |          |                                       |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------|------|
| DRAWN BY: W.W.S.                                                                                                                                                                                                                     |          | CHECKED BY: W.W.S.                    |      |
| PLOT: 1-16                                                                                                                                                                                                                           |          | DATE: 11/15/19                        |      |
| NO.                                                                                                                                                                                                                                  | REVISION | DESCRIPTION                           | DATE |
|                                                                                                                                                                                                                                      |          |                                       |      |
|                                                                                                                                                                                                                                      |          |                                       |      |
|                                                                                                                                                                                                                                      |          |                                       |      |
| <b>6600 ALUMINUM FIXED NON-IMPACT WINDOWS</b><br>MANUFACTURER<br><b>PEERLESS PRODUCTS, INC.</b><br>2403 SOUTH MAIN<br>FT. SCOTT, KS 66701<br>866-420-4000                                                                            |          |                                       |      |
| DRAWING TITLE<br><b>G600 ALUMINUM FIXED NON-IMPACT WINDOWS</b><br>CONSULTANTS<br><b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b><br>7480 150TH COURT NORTH<br>PALM BEACH GARDENS, FL 33418<br>PHONE: 561-744-3424 |          |                                       |      |
| CERTIFICATION<br>STATE OF<br>FLORIDA<br>PROFESSIONAL ENGINEER<br>No. 44135<br>WARREN W. SCHAEFER                                                                                                                                     |          | DRAWING NO. 1964A<br>SHEET NO. 6 OF 8 |      |

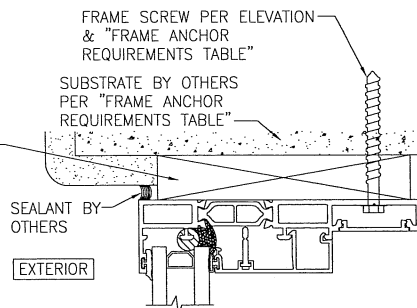


|                                                                                                                                                                           |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| DRAWN BY:<br>W.W.S.                                                                                                                                                       | CHECKED BY:<br>W.W.S. |
| PLT:<br>1-16                                                                                                                                                              | DATE:<br>11/15/18     |
| DATE                                                                                                                                                                      |                       |
| BY                                                                                                                                                                        |                       |
| REVISION DESCRIPTION                                                                                                                                                      |                       |
| NO                                                                                                                                                                        |                       |
| <b>DRAWING TITLE</b><br><b>G600 ALUMINUM FIXED NON-IMPACT WINDOWS</b>                                                                                                     |                       |
| <b>MANUFACTURER</b><br><b>PEERLESS PRODUCTS, INC.</b><br>2403 SOUTH MAIN<br>FT. SCOTT, KS 66701<br>866-420-4000                                                           |                       |
| <b>CONSULTANTS</b><br><b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b><br>7485 SOUTH RIVER DRIVE<br>PALM BEACH GARDENS, FL 33418<br>PHONE: 561-744-3424 |                       |
| <b>DATE</b><br>NOV 20 2019                                                                                                                                                |                       |
| <b>REV.</b><br>7 OF 8                                                                                                                                                     |                       |



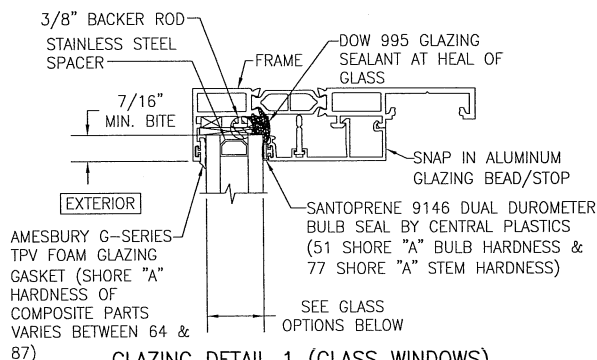
**OPTIONAL DIRECT MOUNT DETAIL  
TO SUBSTRATE WITH SPACER  
(RECEPTOR MOUNT)**

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



**OPTIONAL DIRECT MOUNT DETAIL  
TO SUBSTRATE WITH SPACER  
(FRAME SCREW MOUNT)**

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



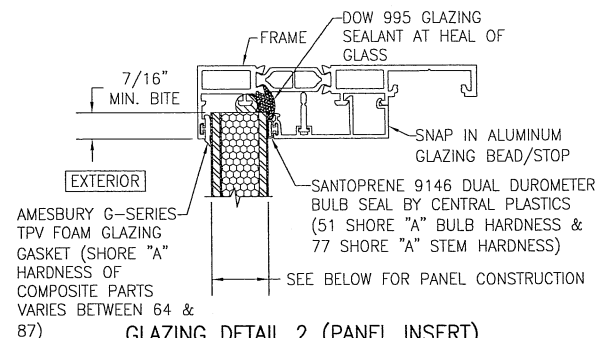
**GLAZING DETAIL 1 (GLASS WINDOWS)**

**NOTE:** GLASS IS TO BE SHIMMED WITH A COMBINATION OF 0.35" X 0.1875" AND 1.125" X 0.124" SHIMS (POLYONE RIGID POLYVINYL CHLORIDE WITH 80 SHORE "A" HARDNESS) AT ALL SIDES APPROXIMATELY 5" TO 8" OFF EACH CORNER.

**GLASS OPTIONS:**

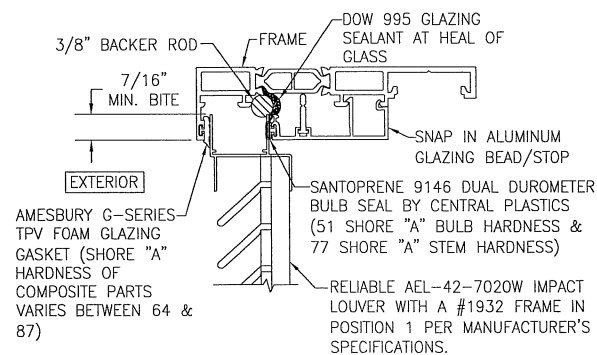
**OPTION 1:** 1" THICK I.G. GLASS (1/4" TEMPERED EXTERIOR; 1/2" SPACER; 1/4" TEMPERED INTERIOR)

**OPTION 2:** 1" THICK I.G. GLASS (1/4" ANNEALED EXTERIOR; 1/2" SPACER; 1/4" ANNEALED INTERIOR)



**GLAZING DETAIL 2 (PANEL INSERT)**

**PANEL CONSTRUCTION:** 1" OVERALL THICK PANEL BY MAPESHIELD WITH 0.024" THICK KYNAR FINISHED ALUMINUM EACH FACE, 0.12" THICK SOLID PLASTIC INSIDE EACH FACE, 0.025" THICK GALV. STEEL IMPACT LAYER INSIDE EXTERIOR PLASTIC & 0.687" POLYSTYRENE CORE



**GLAZING DETAIL 3 (LOUVER INSERT)**

|                                                                                 |                       |
|---------------------------------------------------------------------------------|-----------------------|
| DRAWN BY:<br>W.W.S.                                                             | CHECKED BY:<br>W.W.S. |
| PLOT:<br>1-16                                                                   | DATE:<br>11/15/19     |
| DATE                                                                            |                       |
| BY                                                                              |                       |
| REVISION DESCRIPTION                                                            |                       |
| NO.                                                                             |                       |
| DRAWING TITLE: <b>G600 ALUMINUM FIXED NON-IMPACT WINDOWS</b>                    |                       |
| CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> |                       |
| MANUFACTURER: <b>PEERLESS PRODUCTS, INC.</b>                                    |                       |
| 2403 SOUTH MAIN<br>FT. SCOTT, KS 66701<br>866-420-4000                          |                       |
| DATE OF ISSUE: <b>NOV 20 2019</b>                                               |                       |
| DRAWING NO. <b>1964A</b>                                                        |                       |
| SHEET NO. <b>8 OF 8</b>                                                         |                       |