

SERIES GW9994G IMPACT RESISTANT, STRAIGHT, OUTSIDE & INSIDE CORNER WINDOW SYSTEM, 7/8" TRIPLE GLAZED

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY WINDOW.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

TABLE 1:

| Anchor Type                     | Substrate                 | Min. Edge Distance | Max. O.C. Distance | Min. Embedment or Metal Thickness |
|---------------------------------|---------------------------|--------------------|--------------------|-----------------------------------|
| #12 Steel SMS, G5               | Southern Pine (SG = 0.55) | 9/16"              | 9"                 | 1-3/8"                            |
|                                 | 6063-T5 Aluminum          | 3/8"               | 9"                 | 0.093"                            |
|                                 | A36 Steel                 | 3/8"               | 9"                 | 0.050"                            |
|                                 | Steel Stud, Gr. 33        | 3/8"               | 9"                 | 0.057", 16 Ga.                    |
| #14 Steel SMS, G5               | Southern Pine (SG = 0.55) | 5/8"               | 9"                 | 1-3/8"                            |
|                                 | 6063-T5 Aluminum          | 3/8"               | 9"                 | 0.093"                            |
|                                 | A36 Steel                 | 3/8"               | 9"                 | 0.050"                            |
|                                 | Steel Stud, Gr. 33        | 3/8"               | 9"                 | 0.057", 16 Ga.                    |
| #14 410 Stainless Steel SMS, G5 | Southern Pine (SG = 0.55) | 5/8"               | 9"                 | 1-3/8"                            |
|                                 | 6063-T5 Aluminum          | 3/8"               | 9"                 | 0.093"                            |
|                                 | A36 Steel                 | 3/8"               | 9"                 | 0.050"                            |
|                                 | Steel Stud, Gr. 33        | 3/8"               | 9"                 | 0.057", 16 Ga.                    |
| 1/4" DeWalt UltraCon+           | Concrete (min. 23.00 ksi) | 2-1/2"             | 9"                 | 1-3/8"                            |
| 1/4" Elco Creteflex             | Concrete (min. 2.85 ksi)  | 1-3/4"             | 9"                 | 1-3/4"                            |

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) ANY HEAD TYPE ALLOWABLE.

TABLE 2:

| Glass Type | Description (Listed from Exterior to Interior)                                       |
|------------|--------------------------------------------------------------------------------------|
| 1          | 1/4" HS - 0.090" SG - 1/4" HS - 0.090" SG - 1/4" HS                                  |
| 2          | 1/4" HS - 0.090" SG - 1/4" HS - 0.045" EVA - 0.062" SmartFilm - 0.045" EVA - 1/4" HS |

HS = HEAT STRENGTHENED  
SG = SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.  
EVA = EVA INTERLAYER

1 X 3 WITH OUTSIDE CORNER CONFIGURATION

ADDITIONAL PANELS, INSIDE CORNER OR STRAIGHT CONFIGURATION ALSO ALLOWED.

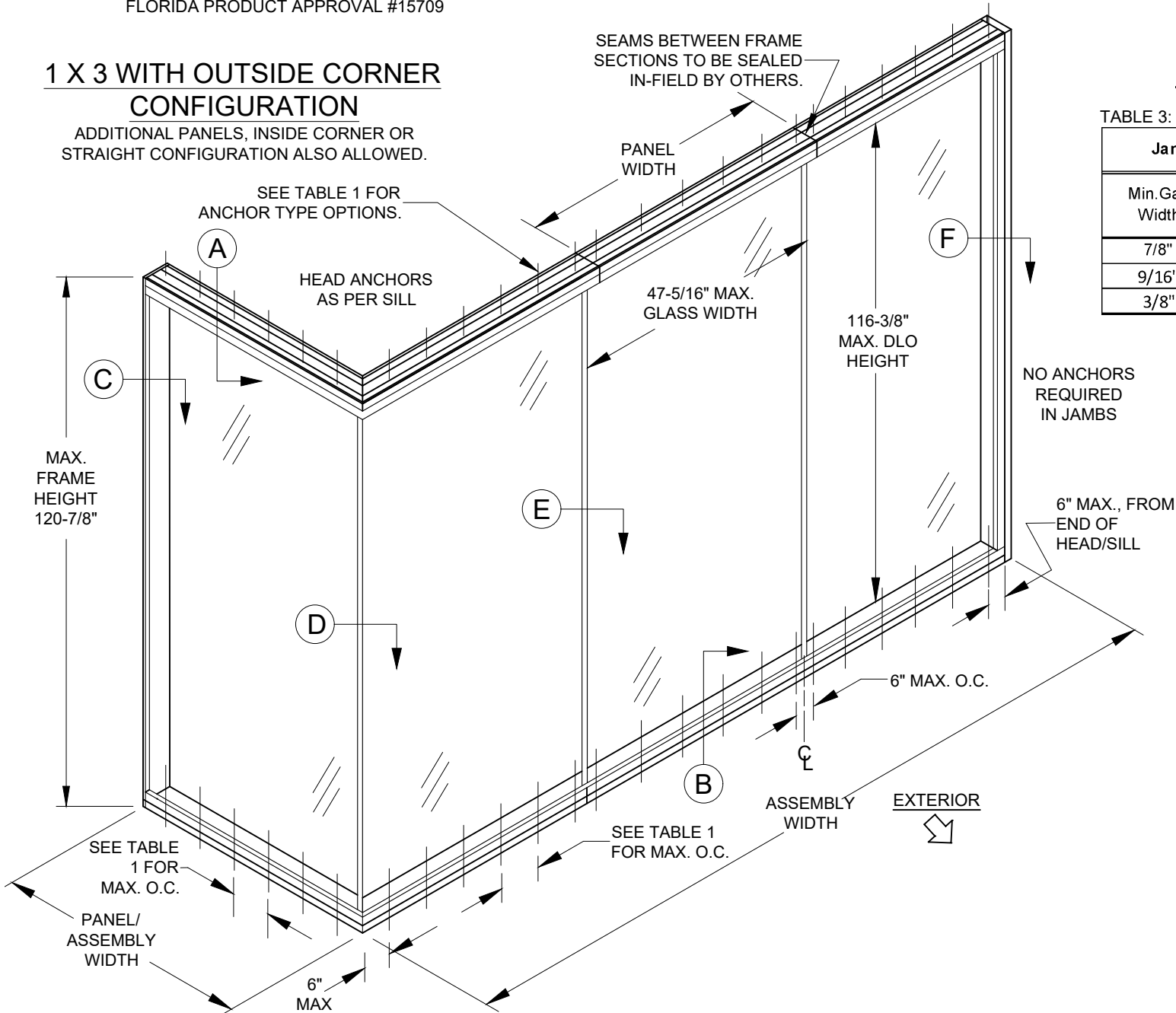


TABLE 4:

| Frame Height (in) | Maximum Design Pressure (psf) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | Glass Width (in)              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   | 47.313                        |      | 48   |      | 54   |      | 60   |      | 66   |      | 72   |      | 78   |      | 84   |      | 90   |      | 96   |      |
|                   | Pos                           | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  |
| 48                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 54                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 88.2 | 88.2 |
| 60                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 88.8 | 88.8 | 85.6 | 85.6 |      |      |
| 66                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 89.9 | 89.9 | 85.5 | 85.5 |      |      |      |      |
| 72                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 88.3 | 88.3 |      |      |      |      |      |      |
| 78                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 89.9 | 89.9 | 88.3 | 88.3 |      |      |      |      |      |      |      |      |
| 84                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 88.8 | 88.8 | 85.5 | 85.5 |      |      |      |      |      |      |      |      |      |      |
| 90                | 90.0                          | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 85.6 | 85.6 |      |      |      |      |      |      |      |      |      |      |      |      |
| 96                | 90.0                          | 90.0 | 90.0 | 90.0 |      | 88.2 | 88.2 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 102               | 90.0                          | 90.0 | 90.0 | 90.0 |      | 86.3 | 86.3 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 108               | 90.0                          | 90.0 | 90.0 | 90.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 114               | 90.0                          | 90.0 | 90.0 | 90.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 120.875           | 90.0                          | 90.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

NOTES:  
1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE DIMENSION.

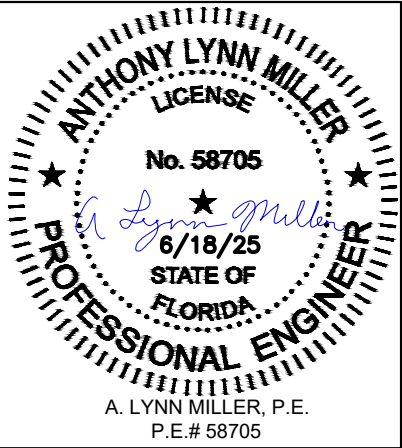
| IMPACT RATING                                     |
|---------------------------------------------------|
| RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE |

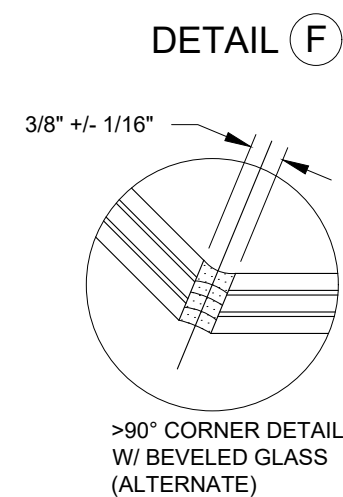
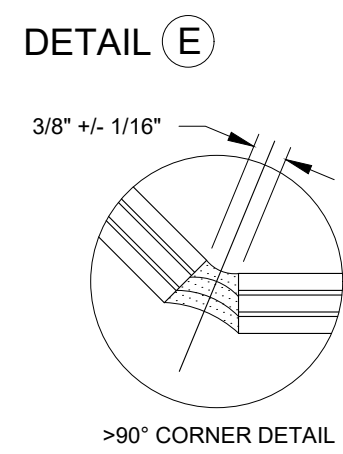
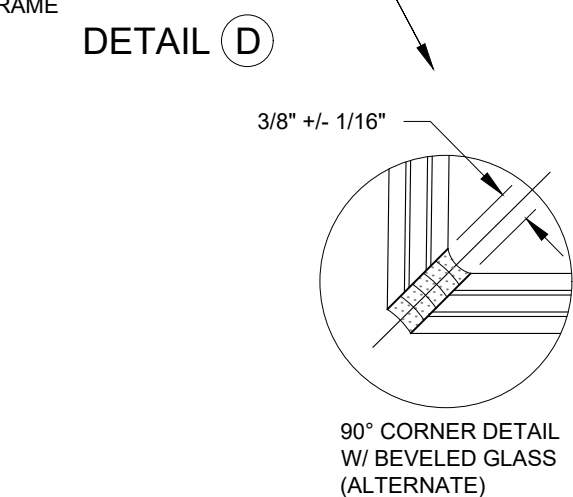
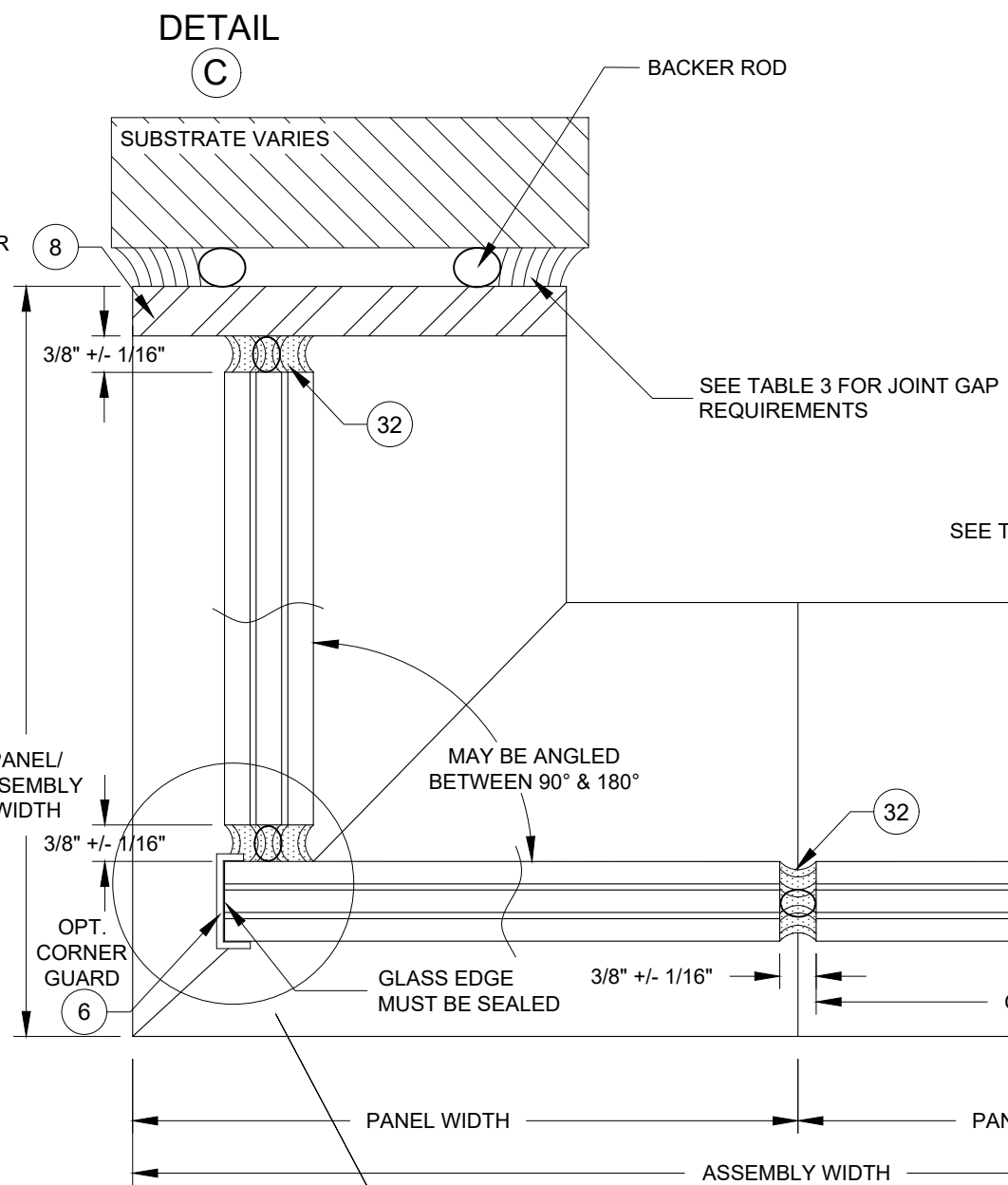
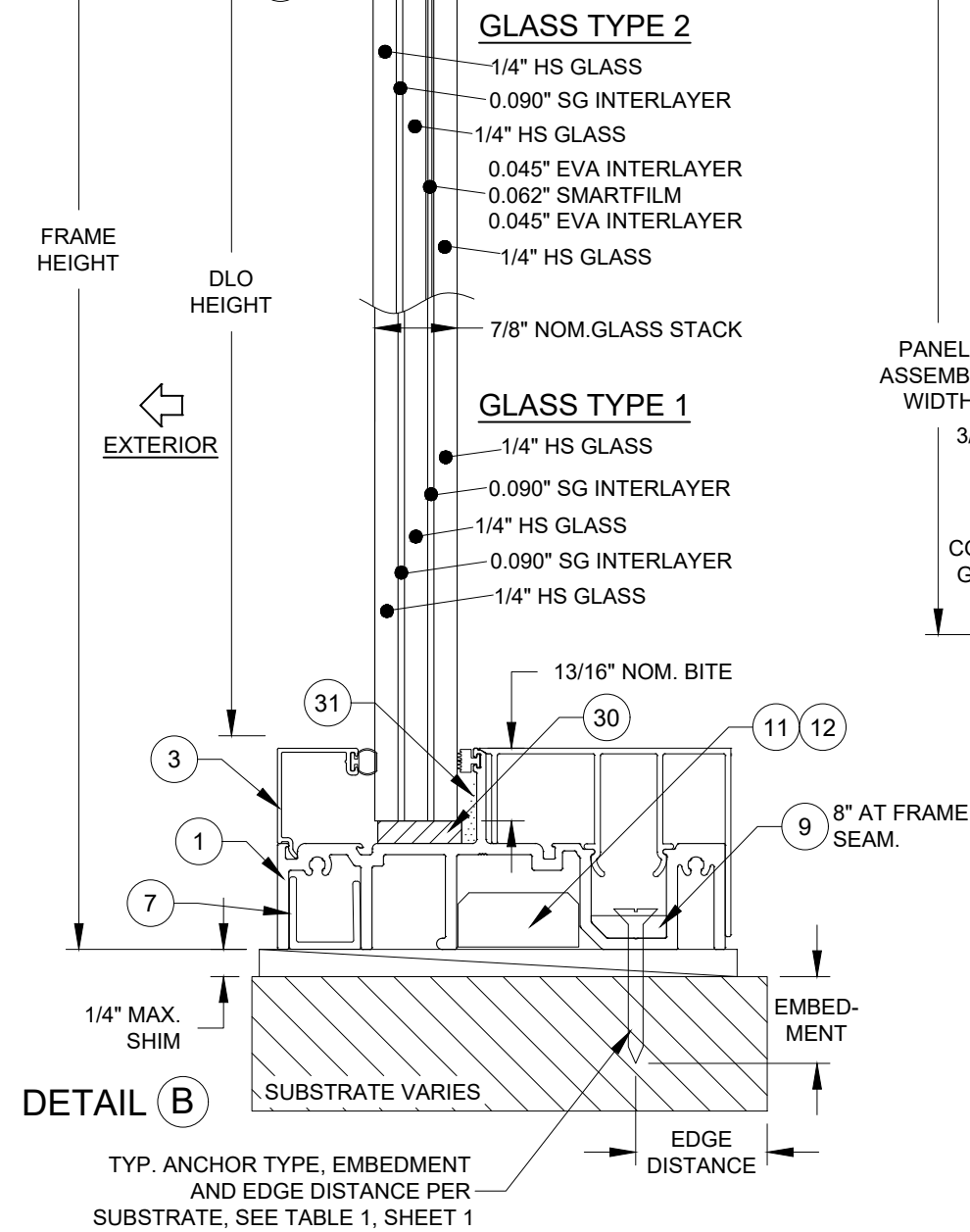
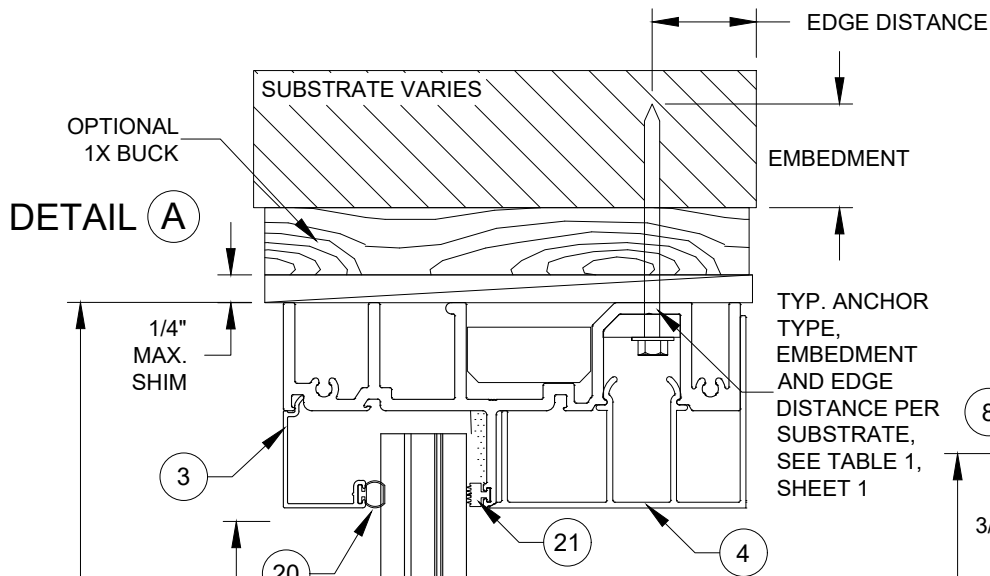
TABLE 3:

| Jamb Joint Gap Requirements |                |                              |
|-----------------------------|----------------|------------------------------|
| Min. Gap Width              | Max. Gap Width | Sealant Movement Capability* |
| 7/8"                        | 1"             | 25%                          |
| 9/16"                       | 11/16"         | 50%                          |
| 3/8"                        | 1/2"           | 100%                         |

\*NOTE: ANY COMPATIBLE SEALANT MAY BE USED PROVIDED TABLE GAP WIDTHS ARE FOLLOWED

|                                                                                                  |                                   |                                                                                              |      |            |  |
|--------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------|------|------------|--|
| <br>WINDOOR |                                   | PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600 |      |            |  |
|                                                                                                  |                                   | REGISTRATION #29296                                                                          |      |            |  |
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| Title                                                                                            | WINDOW SYSTEM, 7/8" 3-PLY GLAZING |                                                                                              | Date | 10/10/21   |  |
| ELEVATION, NOTES & ANCHORS                                                                       |                                   | Drawn By                                                                                     |      | J ROSOWSKI |  |
|                                                                                                  |                                   | DWG No.                                                                                      |      | 9994.2-FPA |  |
| Series                                                                                           | GW9994G                           | Sheet                                                                                        |      | 1 OF 3     |  |





- NOTES**
- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN TABLE 1. FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY FRAME MEMBER.
  - 2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
  - 3) JAMBS MAY BE EITHER PART #2, PART #8 OR A COMBINATION OF BOTH, AS SHOWN. VERTICAL GAPS TO BE FIELD-GLAZED WITH PART #31.
  - 4) ALL JOINT SEALANTS MUST BE COMPATIBLE WITH ALL ADJACENT MATERIALS.

|                                                                                                    |                 |                                                                                                         |                   |
|----------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------|-------------------|
| PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600       |                 | REGISTRATION #29296<br>COPYRIGHT © 2025 WINDOOR, LLC, LIMITED<br>LICENSE TO MAKE COPIES FOR PERMITTING. | 10/10/21<br>Date  |
| <b>WINDOOR</b><br>WINDOOR, LLC<br>104 TRIPLE DIAMOND BLVD<br>N. VENICE, FL 34275<br>(833) 554-5432 |                 | WINDOW SYSTEM, 7/8" 3-PLY GLAZING                                                                       |                   |
| SECTION DETAILS                                                                                    |                 | J ROSOWSKI<br>Drawn By                                                                                  | 9994.2-FPA<br>No. |
| GW9994G<br>Series                                                                                  | 2 OF 3<br>Sheet | 9994.2-FPA                                                                                              |                   |

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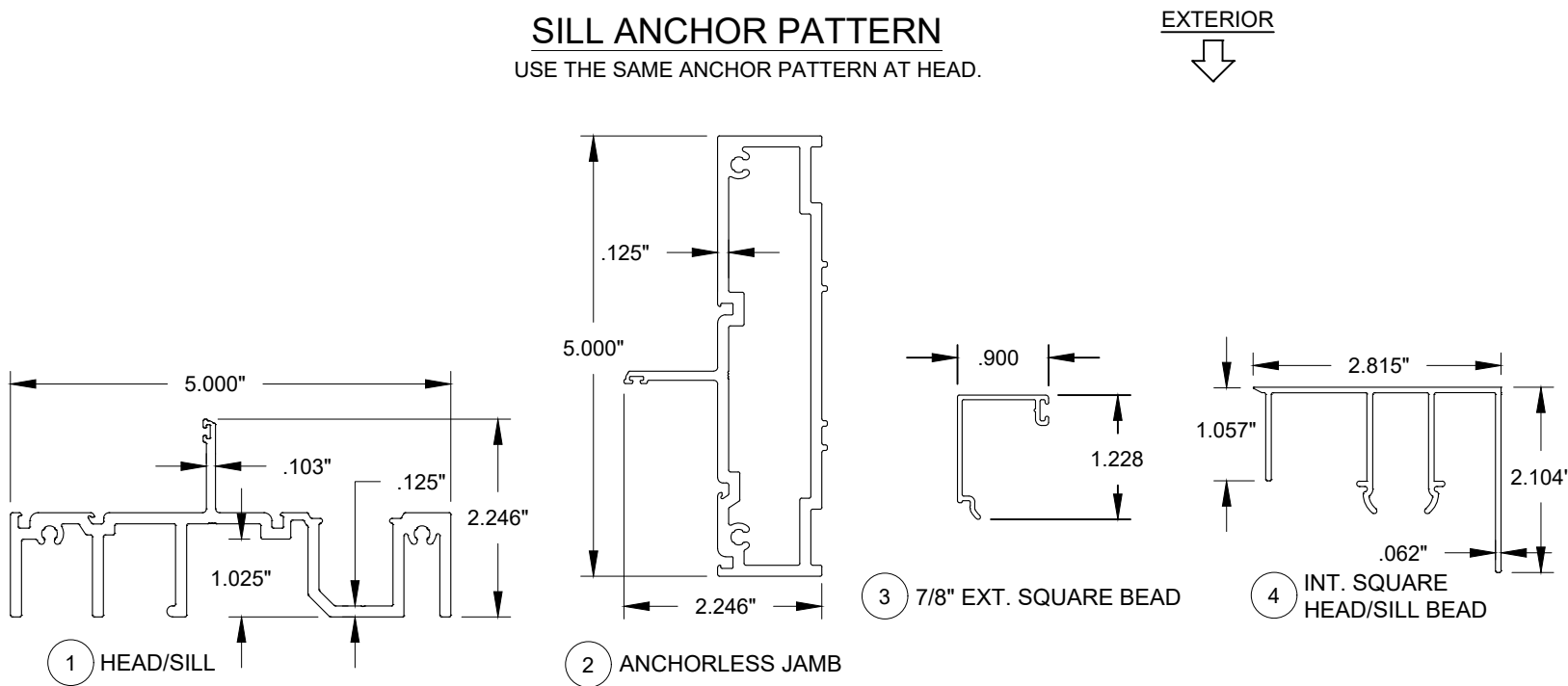
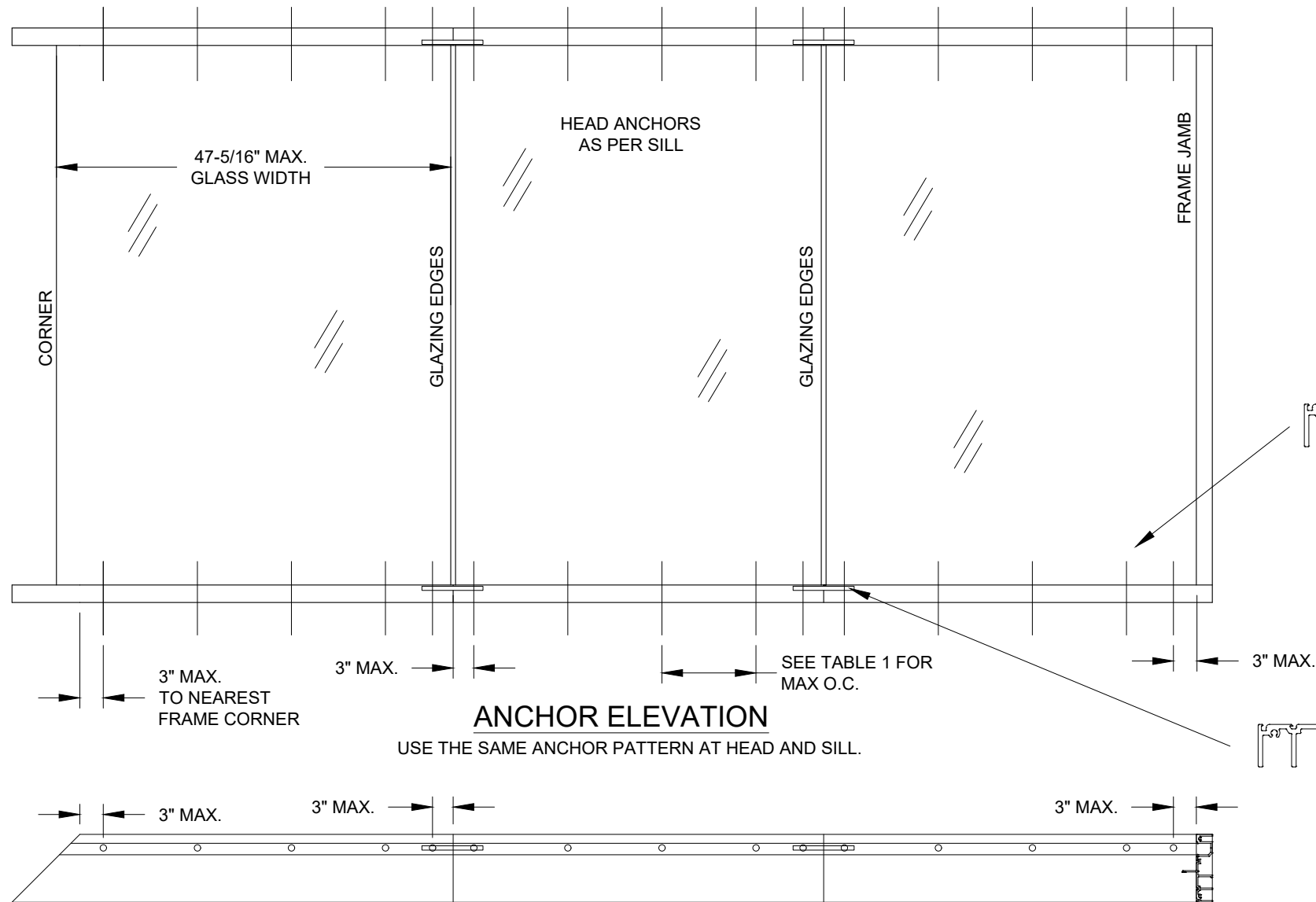
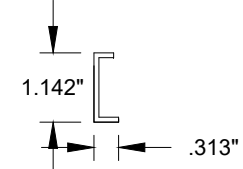
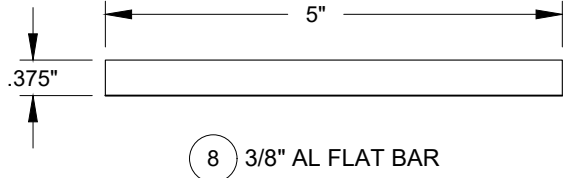
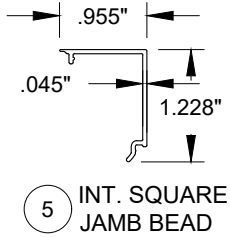
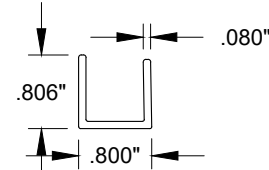


TABLE 5:

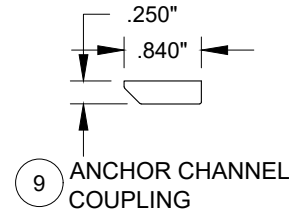
| Item | Part #         | Description                                                 | Mat.     |
|------|----------------|-------------------------------------------------------------|----------|
| 1    | 23045          | Head/Sill                                                   | 6063-T6  |
| 2    | 23046          | Anchorless Jamb                                             | 6063-T6  |
| 3    | 21012          | 7/8\" Ext. Square Beading                                   | 6063-T6  |
| 4    | 23066          | Int. Square Head/Sill Beading                               | 6063-T6  |
| 5    | 21013          | Interior Square Jamb Beading                                | 6063-T6  |
| 6    | 23064          | 7/8\" Glazing Corner Guard                                  | 6063-T6  |
| 7    | 23075          | Installation Clip                                           | 6063-T6  |
| 8    | 23074          | 3/8\" x 5\" Aluminum Bar                                    | 6063-T6  |
| 9    | 23067          | Anchor Channel Coupling                                     | 6063-T6  |
| 10   |                | #8 x 3/4\" Panhead, Ph. SMS                                 | SS       |
| 11   | 23070          | 90 Degree Corner Key                                        | PVC      |
| 12   | 23071          | 135 Degree Corner Key                                       | PVC      |
| 20   | 21091          | Beading Bulb Weatherstrip                                   | Vinyl    |
| 21   | 23083          | Glazing Leg Weatherstrip                                    | Vinyl    |
| 30   |                | Setting Block, 1\" x 1/8\" x 4\", Duro. = 80                | Neoprene |
| 31   | Backbedding    | RGS-7700, Dow-791 or 983                                    | Silicone |
| 32   | Joint Sealants | Any Compatible Sealant with Movement Capability per Table 3 | Silicone |



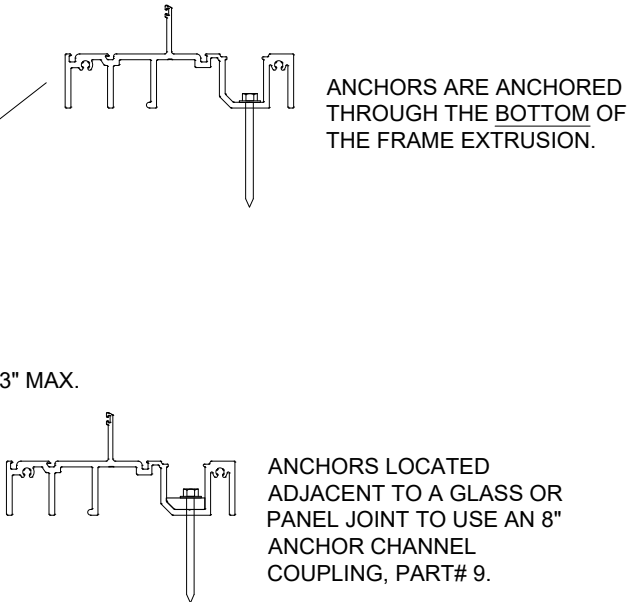
6 OPT. 7/8\" GLAZING CORNER GUARD



7 INSTALLATION CLIP



9 ANCHOR CHANNEL COUPLING



WINDOOR

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PREPARED BY A. LYNN MILLER  
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10/10/21

By J ROSOWSKI

10/10/21

10/10/21

WINDOOR SYSTEM, 7/8\" 3-PLY GLAZING

INSTALL DETAIL, BOM, EXT.

9994.2-FPA

3 OF 3

GW9994G

Sheet

3 OF 3

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