

SERIES 3000 THERMAL MULTI-PLANE INSTALLATION AND GLAZING MANUAL

Note: Installation and Glazing Manuals are product specific. FOR REVIEW ONLY!

January 2024

Phone: 1-866-OLDCASTLE (653-2278)

Web: www.obe.com

TABLE OF CONTENTS

Frame Fabrication and Cut List. Pages 6-7 Sill Receptor Installation: Thermal Performance Recommendations. Page 8 Sill Receptor installation. Pages 9-10 Outside Glazed Systems: Center Set: Screw Spline Assembly. Page 11 Shear Block Assembly. Page 12 Front Set: Page 14 Screw Spline Assembly. Page 13 Shear Block Assembly. Page 14 Back Set: Screw Spline Assembly. Page 15 Shear Block Assembly. Page 15 Shear Block Assembly. Page 15 Glazing Procedures and Details: Page 17 Center Set. Page 17 Center Set. Page 18 Front Set. Page 18 Front Set. Page 19 Back Set. Page 19 Back Set. Page 20 Inside Glazed Systems: Page 21 Center Set. Screw Spline Assembly. Page 22 Shear Block Assembly. Page 22 Shear Block Assembly. Page 22 SG Mullion Assembly for 2-Sided SSG System. Page 24 Jamb Assembly for 2-Sided SSG System. Page 28	General Information	Pages 4-5
Thermal Performance Recommendations Page 8 Sill Receptor installation Pages 9-10 Outside Glazed Systems: Center Set: Screw Spline Assembly Page 11 Shear Block Assembly Page 12 Front Set: Screw Spline Assembly Page 13 Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 General Guidelines and Details: Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Page 20 Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 24 Jamb Assembly for 2-Sided SSG System Page 26 Captured Mullion Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Asse		
Thermal Performance Recommendations Page 8 Sill Receptor installation Pages 9-10 Outside Glazed Systems: Center Set: Screw Spline Assembly Page 11 Shear Block Assembly Page 12 Front Set: Screw Spline Assembly Page 13 Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 General Guidelines and Details: Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Page 20 Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 24 Jamb Assembly for 2-Sided SSG System Page 26 Captured Mullion Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Asse	Sill Receptor Installation:	
Sill Receptor installation Pages 9-10 Outside Glazed Systems: Center Set: Screw Spline Assembly Page 11 Shear Block Assembly Page 12 Front Set: Screw Spline Assembly Page 13 Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 General Guidelines and Details Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29	•	Page 8
Center Set: Screw Spline Assembly Page 11 Shear Block Assembly Page 12 Front Set: Screw Spline Assembly Page 13 Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 General Guidelines and Details Page 31	Sill Receptor installation	Pages 9-10
Center Set: Screw Spline Assembly Page 11 Shear Block Assembly Page 12 Front Set: Screw Spline Assembly Page 13 Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 General Guidelines and Details Page 31	Outside Glazed Systems:	
Shear Block Assembly Page 12 Front Set: Screw Spline Assembly Page 13 Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 General Guidelines and Details Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Page 20 Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 29 General Guidelines and Details Page 30 Center Set Page 31		
Front Set: Screw Spline Assembly. Page 13 Shear Block Assembly. Page 14 Back Set: Screw Spline Assembly. Page 15 Shear Block Assembly. Page 16 Glazing Procedures and Details. Page 17 Center Set. Page 18 Front Set. Page 18 Front Set. Page 19 Back Set. Page 20 Inside Glazed Systems: Center Set: Center Set: Screw Spline Assembly. Page 21 Shear Block Assembly. Page 22 Front Set: Screw Spline Assembly. Page 24 Jamb Assembly for 2-Sided SSG System. Page 24 Jamb Assembly for 2-Sided SSG System. Page 25 SSG Mullion Assembly. Page 26 Captured Mullion Assembly for SSG System. Page 27 Back Set: Screw Spline Assembly. Page 28 Shear Block Assembly. Page 29 Glazing Procedures and Details: General Guidelines and Details. Page 30 Center Set. Page 31 Front Set. Page 32	Screw Spline Assembly	Page 11
Front Set: Screw Spline Assembly. Page 13 Shear Block Assembly. Page 14 Back Set: Screw Spline Assembly. Page 15 Shear Block Assembly. Page 16 Glazing Procedures and Details. Page 17 Center Set. Page 18 Front Set. Page 18 Front Set. Page 19 Back Set. Page 20 Inside Glazed Systems: Center Set: Center Set: Screw Spline Assembly. Page 21 Shear Block Assembly. Page 22 Front Set: Screw Spline Assembly. Page 24 Jamb Assembly for 2-Sided SSG System. Page 24 Jamb Assembly for 2-Sided SSG System. Page 25 SSG Mullion Assembly. Page 26 Captured Mullion Assembly for SSG System. Page 27 Back Set: Screw Spline Assembly. Page 28 Shear Block Assembly. Page 29 Glazing Procedures and Details: General Guidelines and Details. Page 30 Center Set. Page 31 Front Set. Page 32	Shear Block Assembly	Page 12
Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 Center Set Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 Center Set Page 31 Front Set Page 31 Front Set Page 32<	·	J
Shear Block Assembly Page 14 Back Set: Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 Center Set Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 Center Set Page 31 Front Set Page 31 Front Set Page 32<	Screw Spline Assembly	Page 13
Screw Spline Assembly Page 15 Shear Block Assembly Page 16 Glazing Procedures and Details: Page 17 General Guidelines and Details Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 25 SSG Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 General Guidelines and Details Page 31 Front Set Page 31 Front Set Page 33 SG Bridge Installation and Sealing Page 34 Head & Sill	·	_
Shear Block Assembly Page 16 Glazing Procedures and Details: General Guidelines and Details Page 17 Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SG Mullion Assembly Page 25 SG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 29 Glazing Procedures and Details: Page 30 Center Set Page 31 Front Set Page 33 SG Bridge Installation and Sealing Page 34 Head & Sill Splice Installation Page 35	Back Set:	· ·
Glazing Procedures and Details: General Guidelines and Details	Screw Spline Assembly	Page 15
Glazing Procedures and Details: General Guidelines and Details	Shear Block Assembly	Page 16
Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Page 20 Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 25 SSG Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 Center Set Page 31 Front Set Page 31 Front Set Page 32 2-Sided SSG Page 33 SSG Bridge Installation and Sealing Page 34 Head & Sill Splice Installation Page 35	•	· ·
Center Set Page 18 Front Set Page 19 Back Set Page 20 Inside Glazed Systems: Page 20 Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 25 SSG Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: Page 30 Center Set Page 31 Front Set Page 31 Front Set Page 32 2-Sided SSG Page 33 SSG Bridge Installation and Sealing Page 34 Head & Sill Splice Installation Page 35	General Guidelines and Details	Page 17
Back Set. Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: General Guidelines and Details Page 30 Center Set Page 31 Front Set Page 32 2-Sided SSG Page 33 SSG Bridge Installation and Sealing Page 34 Head & Sill Splice Installation Page 35		_
Back Set. Page 20 Inside Glazed Systems: Center Set: Screw Spline Assembly Page 21 Shear Block Assembly Page 22 Front Set: Screw Spline Assembly Page 23 Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: General Guidelines and Details Page 30 Center Set Page 31 Front Set Page 32 2-Sided SSG Page 33 SSG Bridge Installation and Sealing Page 34 Head & Sill Splice Installation Page 35	Front Set	Page 19
Center Set: Screw Spline Assembly		_
Center Set: Screw Spline Assembly	Inside Glazed Systems:	
Screw Spline Assembly	· · · · · · · · · · · · · · · · · · ·	
Shear Block Assembly		Page 21
Front Set: Screw Spline Assembly	·	_
Screw Spline Assembly	·	
Shear Block Assembly Page 24 Jamb Assembly for 2-Sided SSG System Page 25 SSG Mullion Assembly Page 26 Captured Mullion Assembly for SSG System Page 27 Back Set: Screw Spline Assembly Page 28 Shear Block Assembly Page 29 Glazing Procedures and Details: General Guidelines and Details Page 30 Center Set Page 31 Front Set Page 32 2-Sided SSG Page 33 SSG Bridge Installation and Sealing Page 34 Head & Sill Splice Installation Page 35		Page 23
Jamb Assembly for 2-Sided SSG System	·	_
SSG Mullion Assembly	· · · · · · · · · · · · · · · · · · ·	_
Captured Mullion Assembly for SSG System	·	_
Back Set: Screw Spline Assembly		
Screw Spline Assembly	·	3
Shear Block Assembly		Page 28
Glazing Procedures and Details: General Guidelines and Details	·	_
General Guidelines and Details	•	3
Center Set	· · · · · · · · · · · · · · · · · · ·	Page 30
Front Set		_
2-Sided SSGPage 33 SSG Bridge Installation and SealingPage 34 Head & Sill Splice InstallationPage 35		
SSG Bridge Installation and SealingPage 34 Head & Sill Splice InstallationPage 35		_
Head & Sill Splice InstallationPage 35		•
·		_
	·	

January 2024

TABLE OF CONTENTS

Drill Jigs and Frame Fabrication:	
Center Set, Outside Glazed	Page 37
Center Set, Inside Glazed	Page 38
Front Set	_
SSG Mullion and Sill	
Back Set	
Frame Installation:	
General Frame Installation Detail and Notes	Page 42
Sill Anchoring	Page 43
Outside Glazed Anchorage and Perimeter Seals	_
Inside Glazed Anchorage and Perimeter Seals	Page 45
Glazing Adaptors	9
Expansion Installation	•
Optional Verticals for Multi-Set Application	<u> </u>
Corners	G
Entrance Framing	O O
Parts List	Pages 51-56

3

January 2024

Phone: 1-866-OLDCASTLE (653-2278)

Web: www.obe.com

SERIES 3000 THERMAL MULTIPLANE INSTALLATION MANUAL GENERAL INFORMATION

The Oldcastle BuildingEnvelope® Series 3000 Thermal Multi-Plane (2" x 4-1/2") system represents the latest in product development technology complemented by installer on-the-job input and experience. Proper use of this system will assure optimum results in erection and long-term performance.

Oldcastle BuildingEnvelope® does not control the application nor selection of its product configurations, sealant, or glazing materials and assumes no responsibility thereof. It is the responsibility of the owner, architect and installer to make these selections are in strict compliance with applicable laws and building codes.

Over the years many components were added to our flush glaze systems. In addition, there are many ways to install storefront products. This manual represents recommendations for the best results.

PROTECTION AND STORAGE:

Handle the material carefully. Do not drop from the truck. Stack with adequate separation so that the material will not rub together. Store material off the ground. Protect against the elements and other construction hazards by using a well-ventilated covering. Remove material from package if it is wet or is located in a damp area.

CHECK MATERIAL:

Check all material upon arrival for quality and to assure against shipping damage. Any visible damage must be noted on the freight bill at the time of receipt. If a claim is required, then the receiving party must process a claim with the freight company.

Completely check construction, which will receive your materials against contract documents. Notify general contractor by letter of any discrepancies before proceeding with work. Failure to do so constitutes acceptance of work by other trades.

Check shop drawings and installation instructions to become familiar with the project. The shop drawings take precedence and include specific details for the project. The installation instructions are of a general nature and cover the most common conditions. Due to varying job conditions, all sealants used should be approved by the sealant manufacturer, to insure they will function for conditions shown on instructions and shop drawings. They must be compatible with all surfaces in which adhesion is required, including other sealant surfaces. Use primers where directed by manufacturer of sealant. Be sure to properly store sealants at recommended temperatures and check sealant for remainder of shelf life before using.

FIELD CONDITIONS:

- Do not install wall if there is a walkway with a down slope towards an entrance or a storefront.
- All materials to be installed plumb, level and true. Aluminum to be placed in direct contact with the masonry or incompatible materials should be isolated with a heavy coat of zinc-chromate or bituminous paint.
- After sealant is set and a representative amount of wall has been glazed (250 square feet of more), run a water hose to check installation. On large jobs, hose test should be repeated during glazing operation. Test should be conducted in accordance with AAMA 501.2 specifications.
- Coordinate protection of installed materials with general contractors and other trades.

Web: www.obe.com

January 2024 Phone: 1-866-OLDCASTLE (653-2278) 4

SERIES 3000 THERMAL MULTIPLANE INSTALLATION MANUAL GENERAL INFORMATION

CLEANING MATERIALS:

Cement, plaster, terrazzo, alkaline and acid based materials used to clean masonry are very harmful to finishes and should be removed with water and a mild soap immediately or permanent staining will occur. A spot test is recommended before any cleaning agent is used.

EXPANSION JOINTS:

Expansion joints and perimeter seals shown in these instructions and in the shop drawings are shown at normal size. Actual dimensions may vary due to perimeter conditions and/or differences in metal temperature between the time of fabrication and time of installation. For example, a 12 foot unrestrained length of aluminum extrusion can expand or contract 3/32 of an inch over a 50 degree Fahrenheit change. Any movement potential should be accounted for at time of the installation.

THERMAL IMPROVEMENT SUGGESTIONS:

To maintain or improve your wall installation, the following items should be considered:

- 1. Blinds or drapes prevent warm air from washing the window.
- 2. Warm air ventilators too far from window will not adequately wash the window with air to prevent condensation.
- In extreme conditions, the fan of the heating systems should not cycle on and off, but run 3. continuously.
- Some heating systems have a water injection feature that can raise humidity levels. The higher the humidity levels the more likely condensation or frost will form. Raising the temperature and reducing humidity will usually solve this problem.
- On rare occasions, an extremely cold storm may cause frost to appear on the glass or framing. A 5. space heater and electric fan blowing along the plane of the window wall can reduce or eliminate this temporary condition.

FABRICATION SUGGESTIONS:

Oldcastle BuildingEnvelope® recommends the use of our EZ Punch tooling for faster and more accurate fabrication of wall systems. If hand fabricating the mullions; drill fixtures are available to improve accuracy. Fabrication instructions for use of these drill fixtures are described within this manual on pages 37 through 41.

January 2024 Phone: 1-866-OLDCASTLE (653-2278) 5

Web: www.obe.com

MATERIAL FABRICATION AND CUT LIST

Measure ROUGH OPENING to determine FRAME WIDTH and FRAME HEIGHT dimensions. Allow 1/4" minimum clearance for shimming and caulking around perimeter frame. (FG-3413 Sill Receptor requires minimum 3/8" joint at head)

Cut material to size per dimensions given below:

Frame Members

Sub-Sill or Sill Receptor: Frame Width plus 1/4"

Mullions and Mullion Fillers: Frame Height (Rough Opening minus Head & Sill Joints minus

Sub Sill height; FG-3223 minus 3/8", FG-3413 minus 1/2")

Horizontal, Head & Sill: Day Light Opening (D.L.O.)

Horizontal Glazing Beads & Fillers: D.L.O. minus 1/16"

Accessories

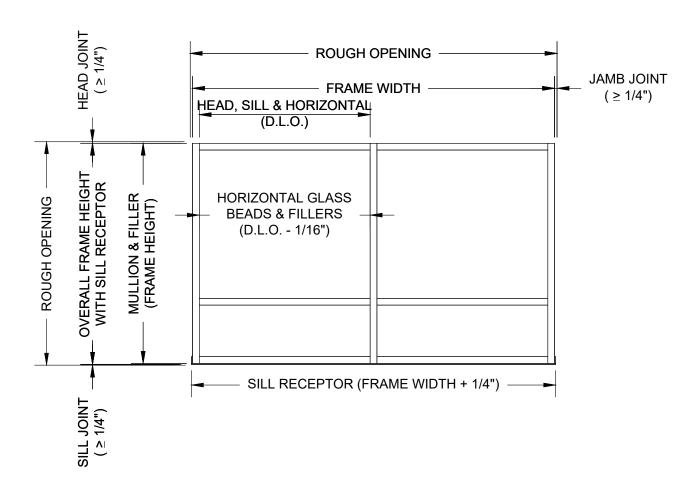
Horizontal Gaskets: D.L.O. plus 1/4" per foot

Vertical Gaskets: D.L.O. plus 1" plus 1/4" per foot

Accessories

Horizontal Glazing Adaptors: D.L.O. minus 1/16" Vertical Glazing Adaptors: D.L.O. plus 7/8"

Door Jambs: Rough Opening minus Head Joint



January 2024

Phone: 1-866-OLDCASTLE (653-2278)
Web: www.obe.com

6

2-SIDED SSG FRAME FABRICATION AND CUT LIST:

Measure ROUGH OPENING to determine FRAME WIDTH and FRAME HEIGHT dimensions. Allow 1/4" minimum clearance for shimming and caulking around perimeter frame. (FG-3413 Sill Receptor requires minimum 3/8" joint at head)

(Reference page 6 for elevation and terminology)

Cut material to size per dimensions given below:

Frame Members

Sub-Sill or Sill Receptor: Frame Width plus 1/4"

Mullions and Jamb (see Dtl A): Overall Frame Height minus 3" minus Sub Sill height.

(FG-3223 minus 3/8", FG-3413 minus 1/2")

Head & Sill: Frame Width

Horizontal (Shear Block Assy)

Day Light Opening (D.L.O.)

Horizontal (Screw Spline Assy)

D.L.O. minus 1/16"

Horizontal Glazing Beads & Fillers:

D.L.O. minus 1/16"

Accessories

Head & Sill Exterior Gaskets: D.L.O. plus 1" plus 1/4" per foot

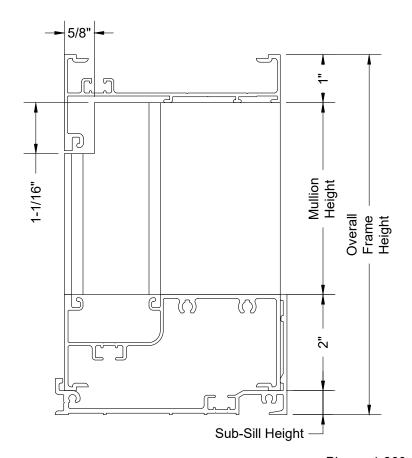
Head & Sill Interior Gaskets: D.L.O. plus 1/4" per foot Horizontal Gaskets: D.L.O. plus 1/4" per foot

Vertical Gaskets: D.L.O. plus 1" plus 1/4" per foot

Other Members (as required)

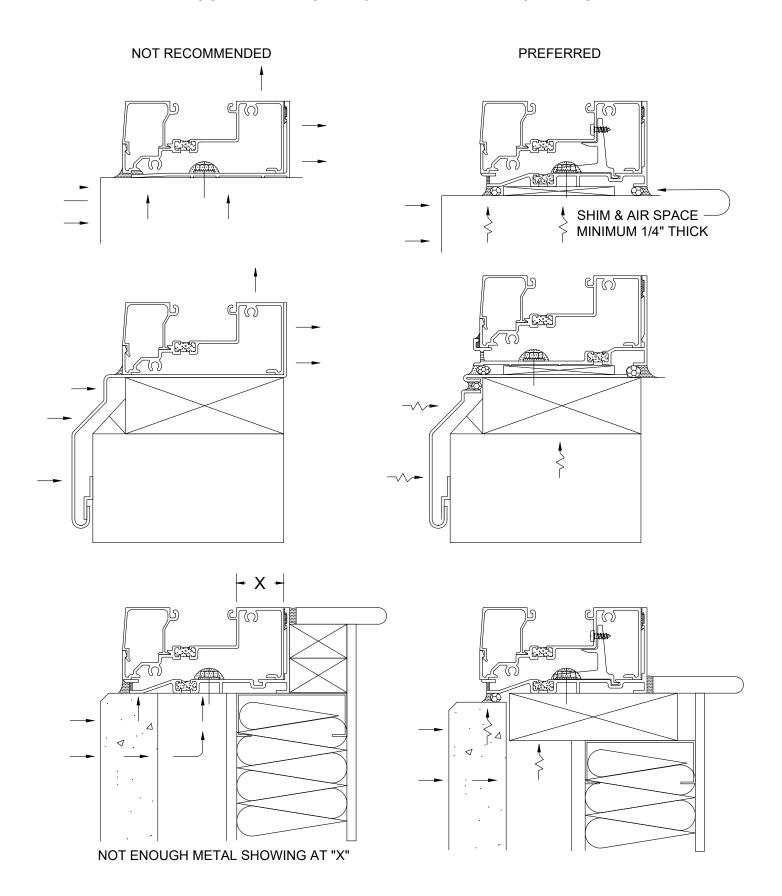
Horizontal Glazing Adaptors: D.L.O. minus 1/16" Vertical Glazing Adaptors: D.L.O. pllus 7/8"

Door Jambs: Rough Opening minus Head Joint



January 2024

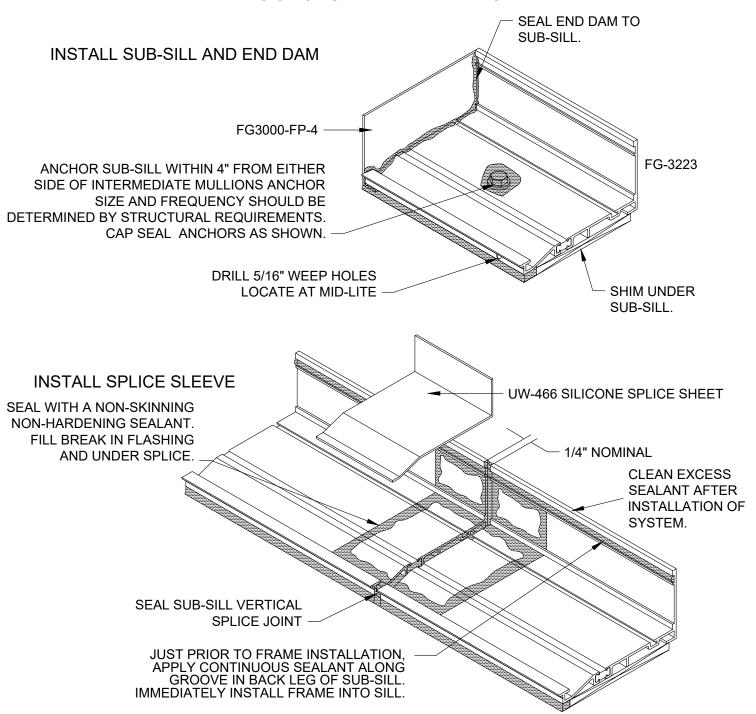
RECOMMENDATIONS FOR THERMAL PERFORMANCE

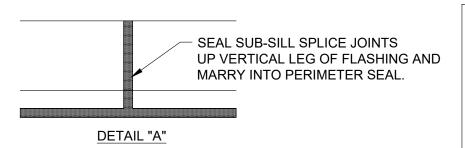


TO DERIVE THE GREATEST BENEFIT FROM YOUR STOREFRONT INSTALLATION, WE RECOMMEND YOU REVIEW THE DETAILS ABOVE.

January 2024

FG-3223 SUB SILL INSTALLATION





NOTE:

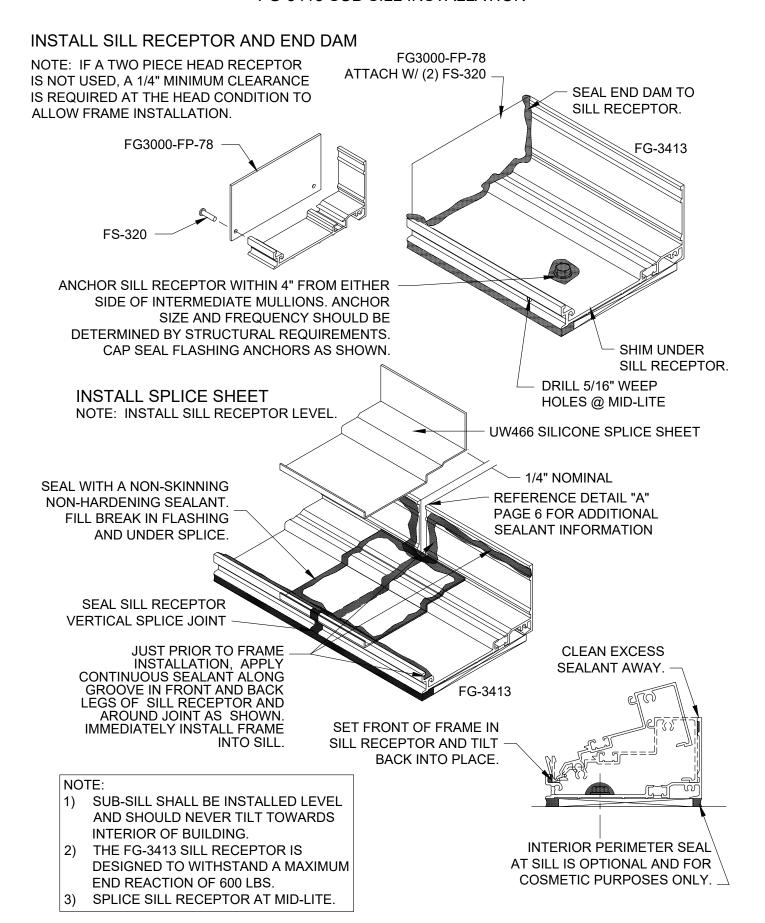
- SUB-SILL SHALL BE INSTALLED LEVEL AND SHOULD NEVER TILT TOWARDS INTERIOR OF BUILDING.
- 2) REFERENCE PAGE 43 FOR END REACTIONS FOR SPECIFIC SILL ANCHORS
- SPLICE SUB-SILL AT MID-LITE ON LONG RUNS

January 2024

Phone: 1-866-OLDCASTLE (653-2278)

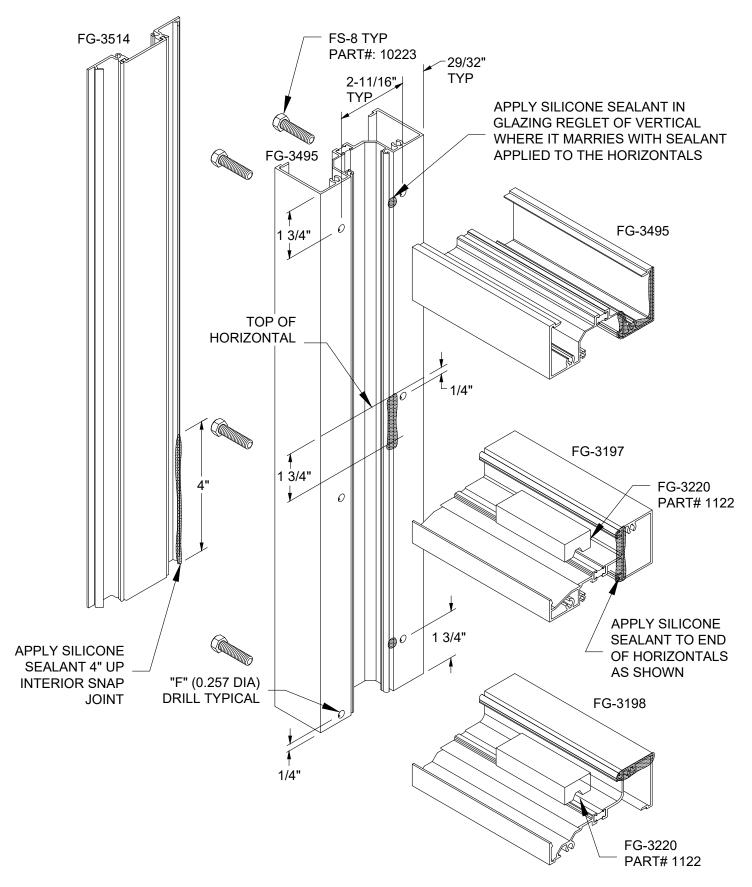
9

FG-3413 SUB SILL INSTALLATION



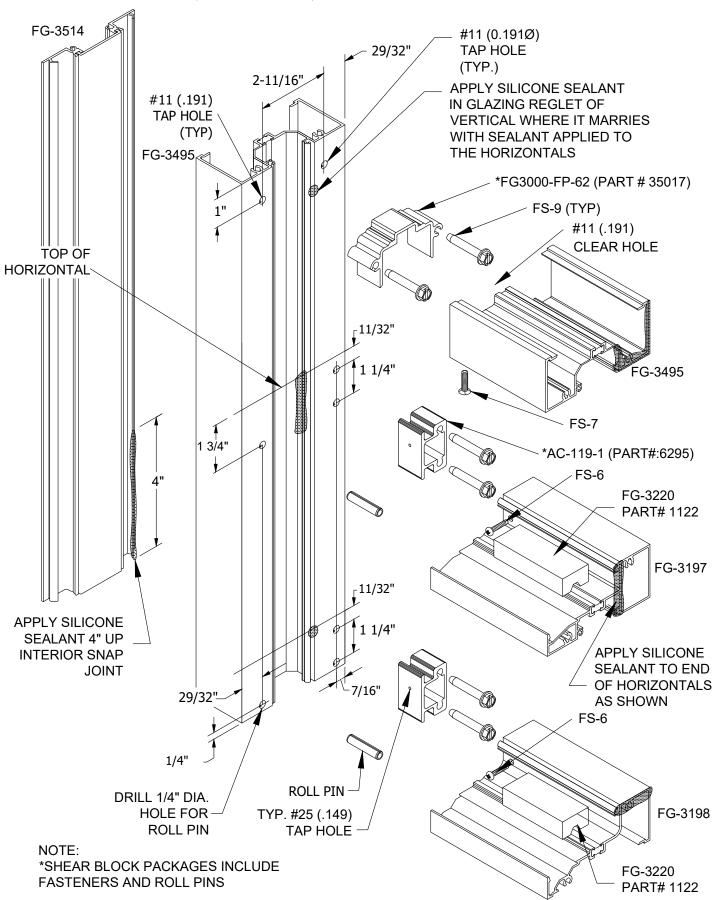
January 2024 Phone: 1-866-OLDCASTLE (653-2278) 10

OUTSIDE GLAZED, CENTER SET SCREW SPLINE ASSEMBLY



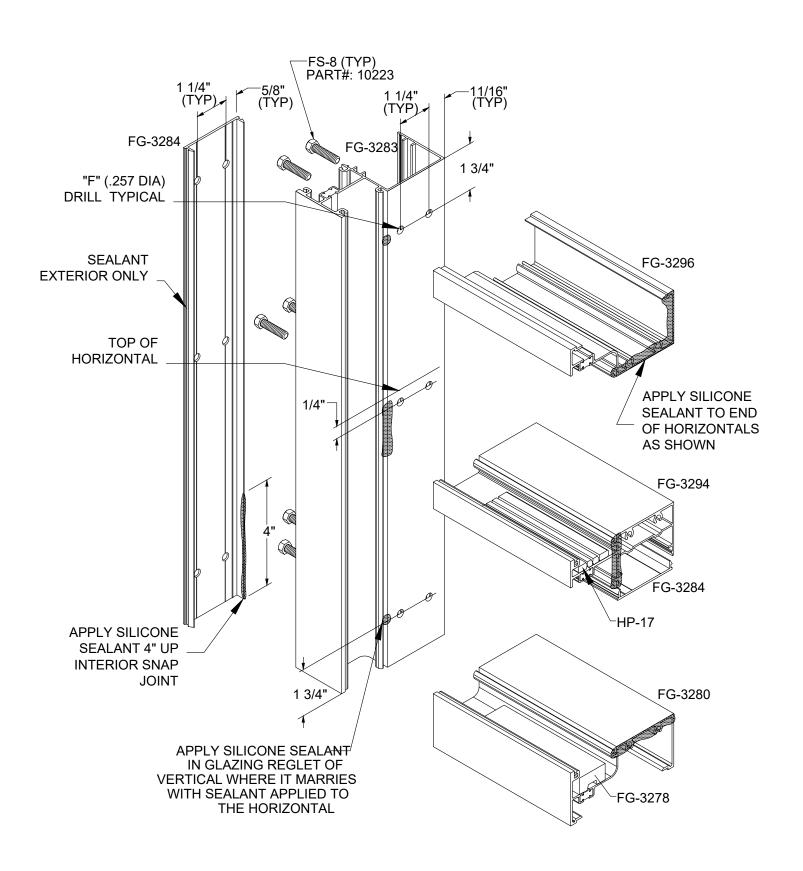
REFERENCE PAGE 37 FOR USE OF DJ-8 DRILL FIXTURE. January 2024

OUTSIDE GLAZED, CENTER SET, SHEAR BLOCK FABRICATION & ASSEMBLY



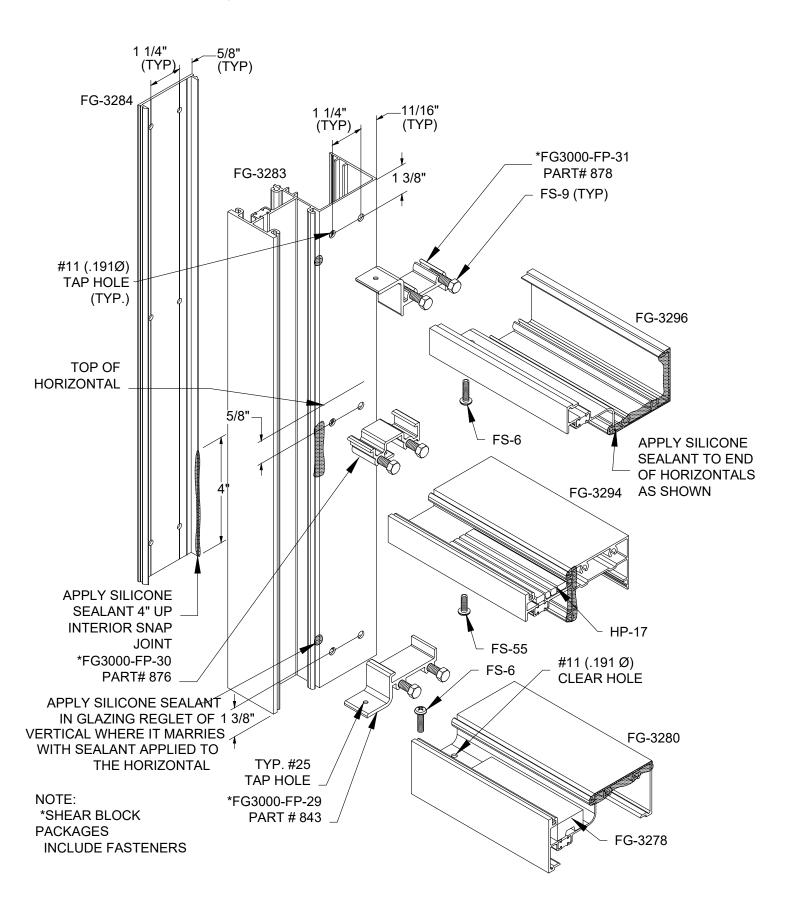
REFERENCE PAGE 37 FOR USE OF DJ-8 DRILL FIXTURE. $January\ 2024$

OUTSIDE GLAZED, FRONT SET SCREW SPLINE FABRICATION & ASSEMBLY



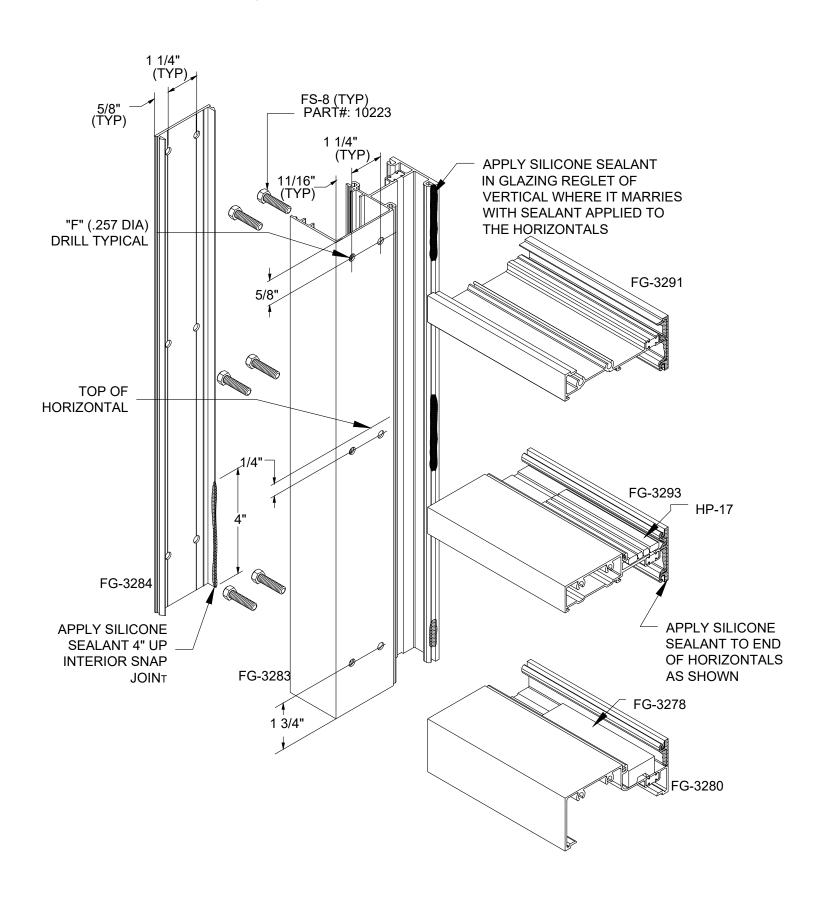
REFERENCE PAGE 39 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

OUTSIDE GLAZED, FRONT SET SHEAR BLOCK FABRICATION & ASSEMBLY

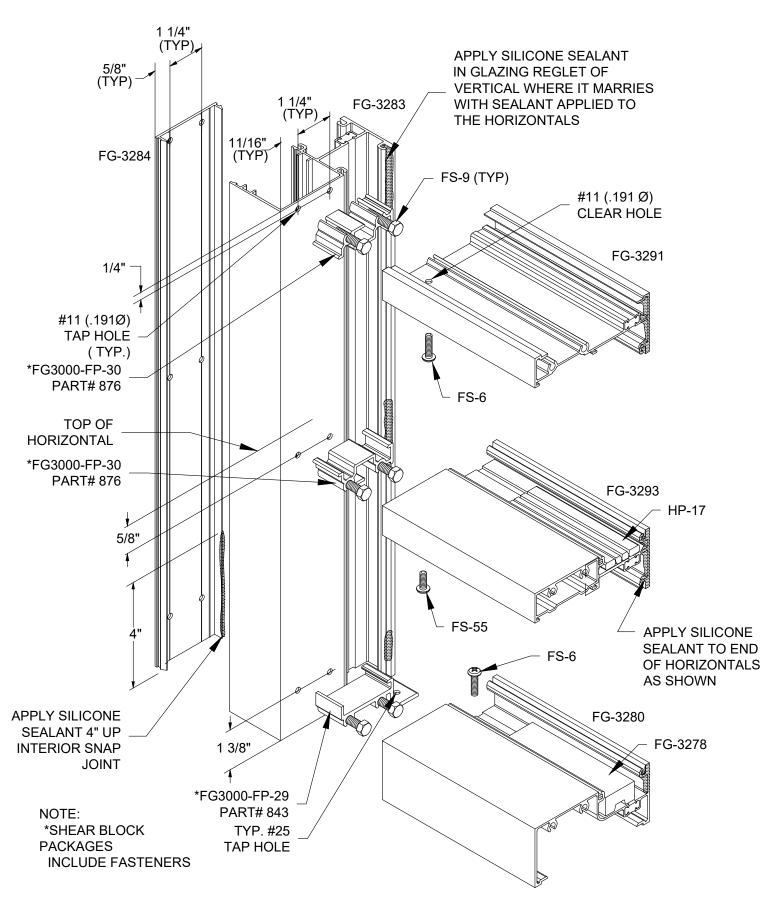


REFERENCE PAGE 39 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

OUTSIDE GLAZED, BACK SET SCREW SPLINE FABRICATION & ASSEMBLY



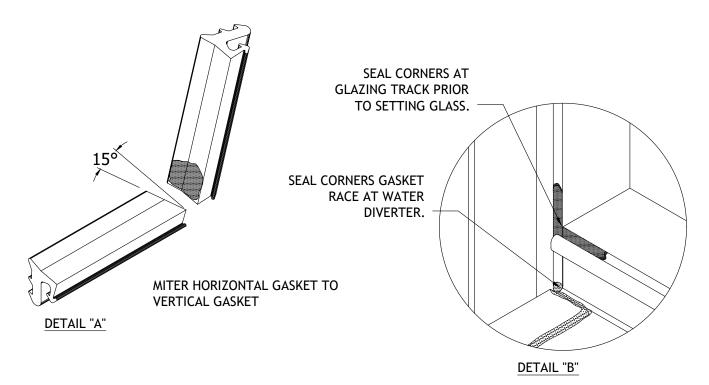
OUTSIDE GLAZED, BACK SET SHEAR BLOCK FABRICATION & ASSEMBLY



REFERENCE PAGE 41 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

OUTSIDE GLAZING GUIDELINES

- REMOVE GASKETS FROM ROLL AND ALLOW TO RELAX OVERNIGHT. ALL GASKETS TO BE CUT D.L.O. PLUS 1/4" PER FOOT HORIZONTALLY AND D.L.O. PLUS 1" PLUS 1/4" PER FOOT VERTICALLY.
- 2. VERTICAL GASKETS RUN THRU, HORIZONTAL GASKETS SHOULD BE MITERED ON ENDS AS SHOWN IN DETAIL "A".
- 3. INSTALL INTERIOR GASKETS PRIOR TO GLAZING. CORNERS OF INTERIOR GASKETS TO BE SET IN SEALANT (DTL."B") AND CORNERS SEALED JUST PRIOR TO SETTING GLASS (DTL."A"). NOTE: CLEAN GASKETS AND SURFACES WITH ISOPOPYL ALCOHOL PRIOR TO SEALING CORNERS.
- 4. LOCATE SETTING BLOCKS AT EITHER 1/4 POINTS OR 1/8 POINTS, DEPENDENT ON SIZE OF GLASS.
- 5. GLASS BITE AT TYPICAL HORIZONTAL AND VERTICAL MEMBERS IS 7/16". AT SSG VERTICAL 3/4".
- 6. GLAZE OPENINGS FROM BOTTOM TO TOP. INSTALLING WATER DIVERTERS IN HORIZONTAL ABOVE, AFTER LITE BELOW IS IN POSITION.
- 7. WATER DIVERTERS (FG1000-FP-2) MUST BE LOCATED ON EACH END OF HORIZONTALS AND SET IN SEALANT.
- 8. WHEN INSTALLING GLASS: FIRST, WET TOP OF SETTING BLOCK WITH SOAPY WATER. ONCE GLASS IS SET IN PLACE, PUSH GLASS AGAINST INTERIOR GASKET AT SETTING BLOCK AREA. FAILURE TO DO SO MAY CAUSE DIAGONAL CRACKS TOWARDS SETTING BLOCKS DUE TO GLASS BENDING WHILE INSTALLING GASKET(S) IN CORNERS.

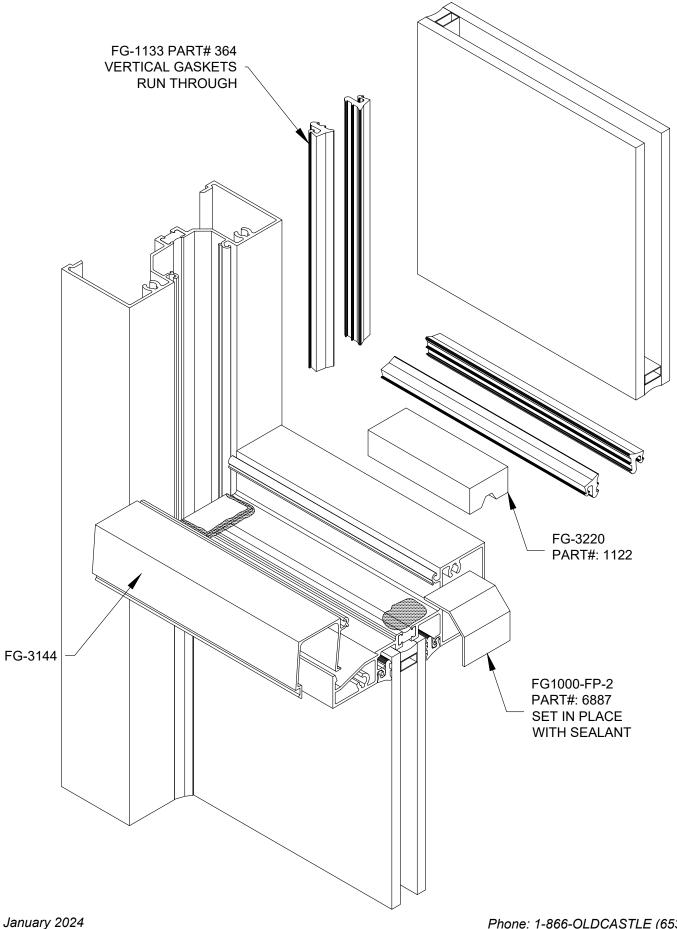


January 2024

Phone: 1-866-OLDCASTLE (653-2278)

17

OUTSIDE GLAZED, CENTER SET GLAZING DETAIL

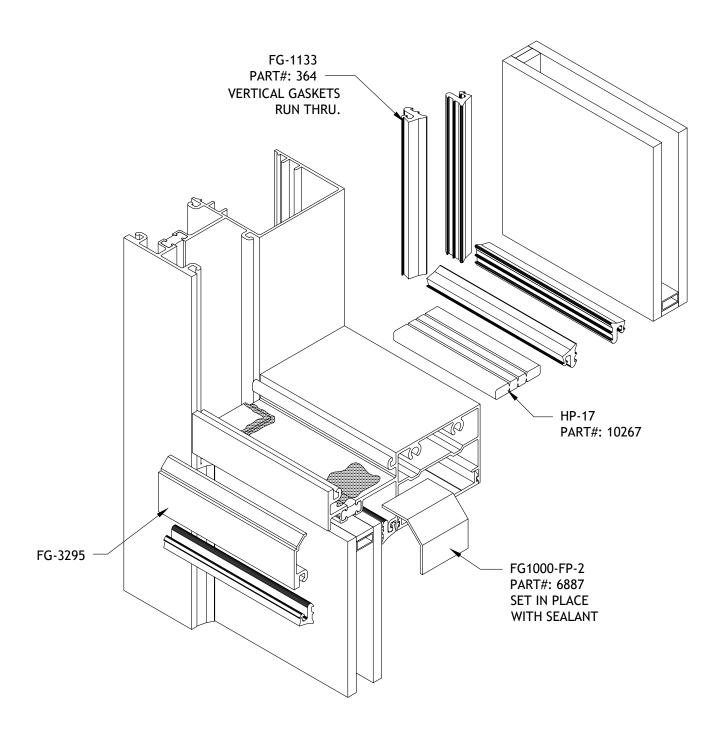


18

Phone: 1-866-OLDCASTLE (653-2278) Web: www.obe.com

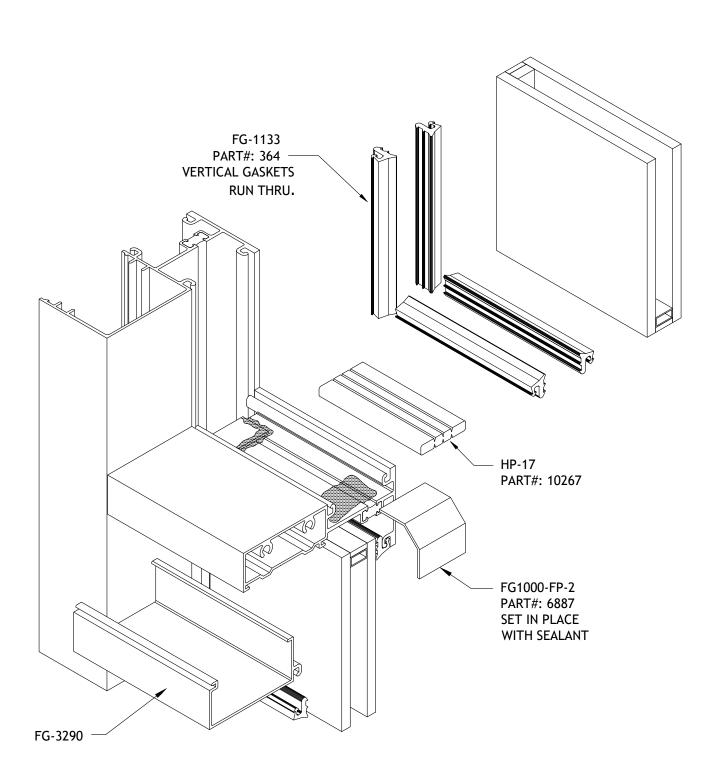
Web: www

OUTSIDE GLAZED, FRONT SET GLAZING DETAIL



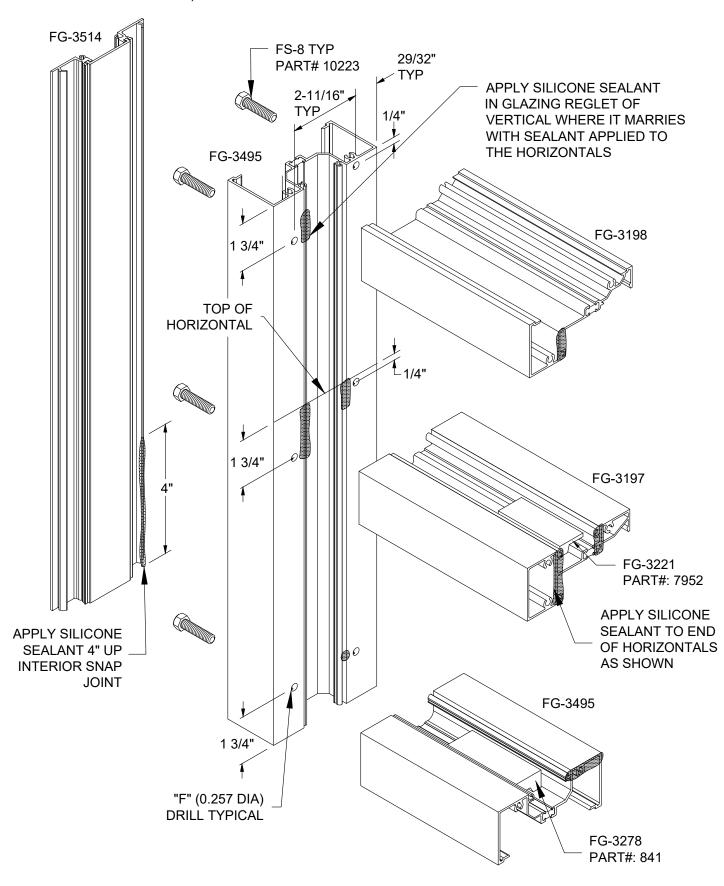
January 2024

OUTSIDE GLAZED, BACK SET GLAZING DETAIL



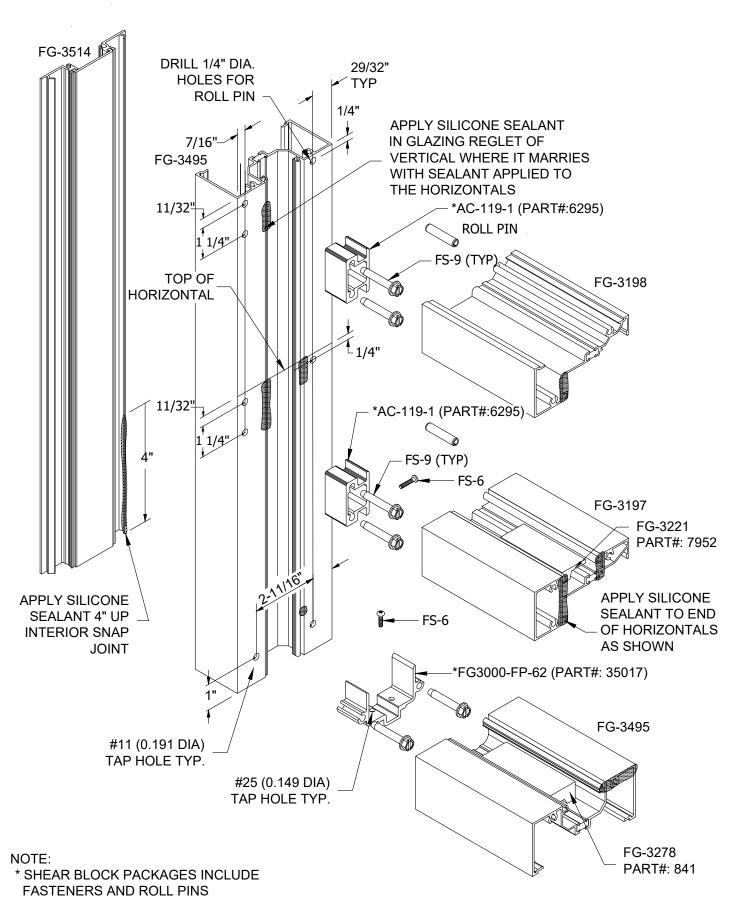
January 2024

INSIDE GLAZED, CENTER SET SCREW SPLINE FABRICATION & ASSEMBLY



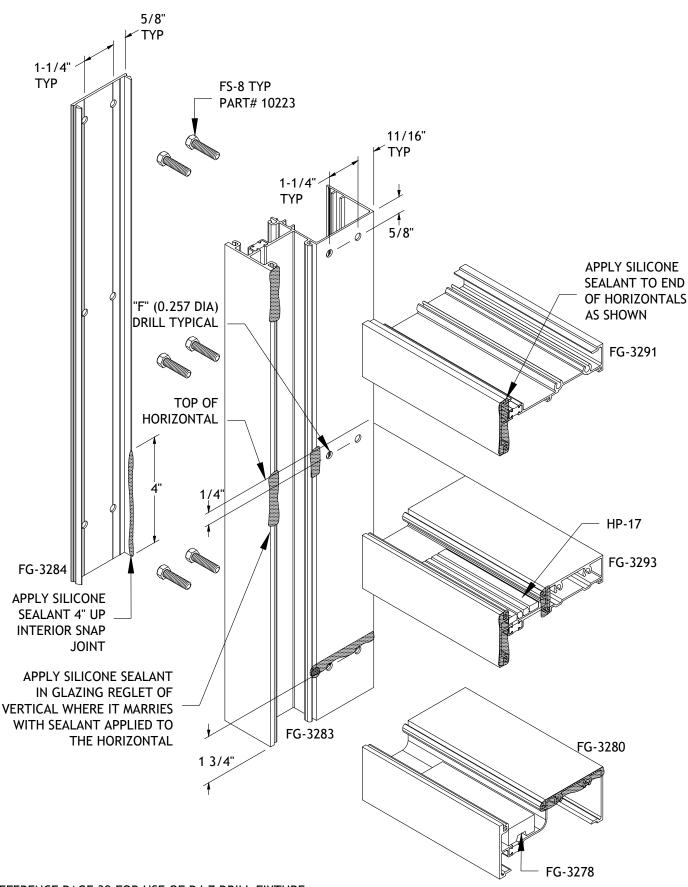
REFERENCE PAGE 38 FOR USE OF DJ-8 DRILL FIXTURE. January 2024

INSIDE GLAZED, CENTER SET SHEAR BLOCK FABRICATION & ASSEMBLY



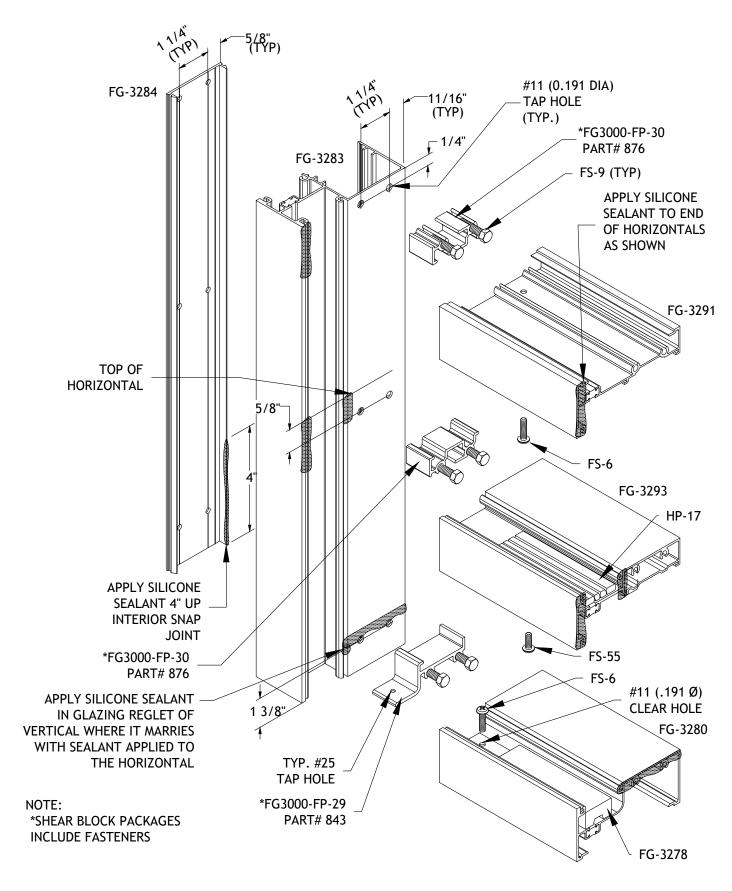
REFERENCE PAGE 38 FOR USE OF DJ-8 DRILL FIXTURE. January 2024

INSIDE GLAZED, FRONT SET SCREW SPLINE FABRICATION & ASSEMBLY



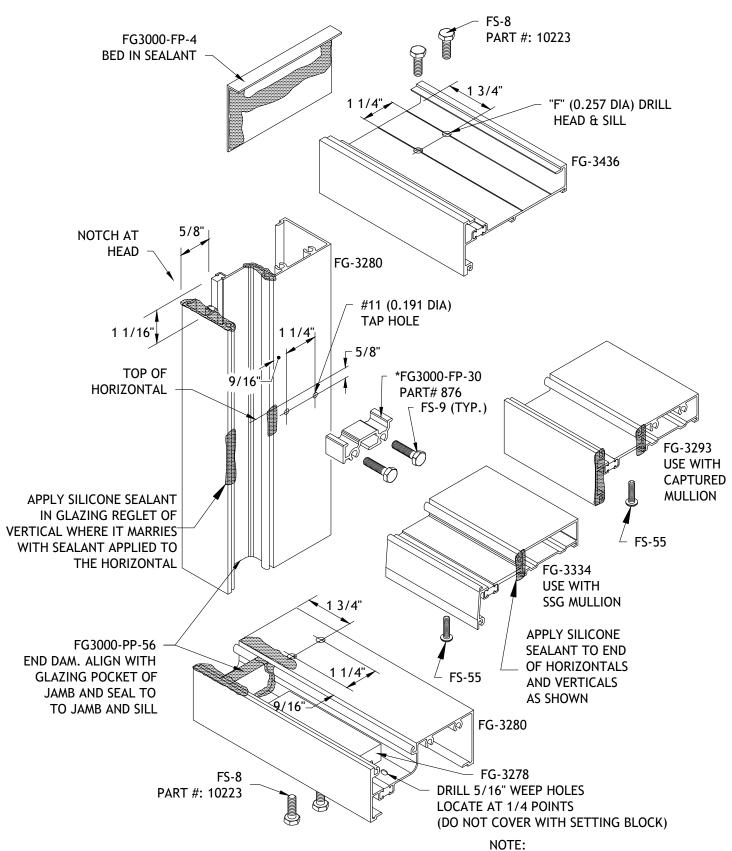
REFERENCE PAGE 39 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

INSIDE GLAZED, FRONT SET SHEAR BLOCK FABRICATION & ASSEMBLY



REFERENCE PAGE 39 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

INSIDE GLAZED, FRONT SET SHEAR BLOCK FABRICATION & ASSEMBLY

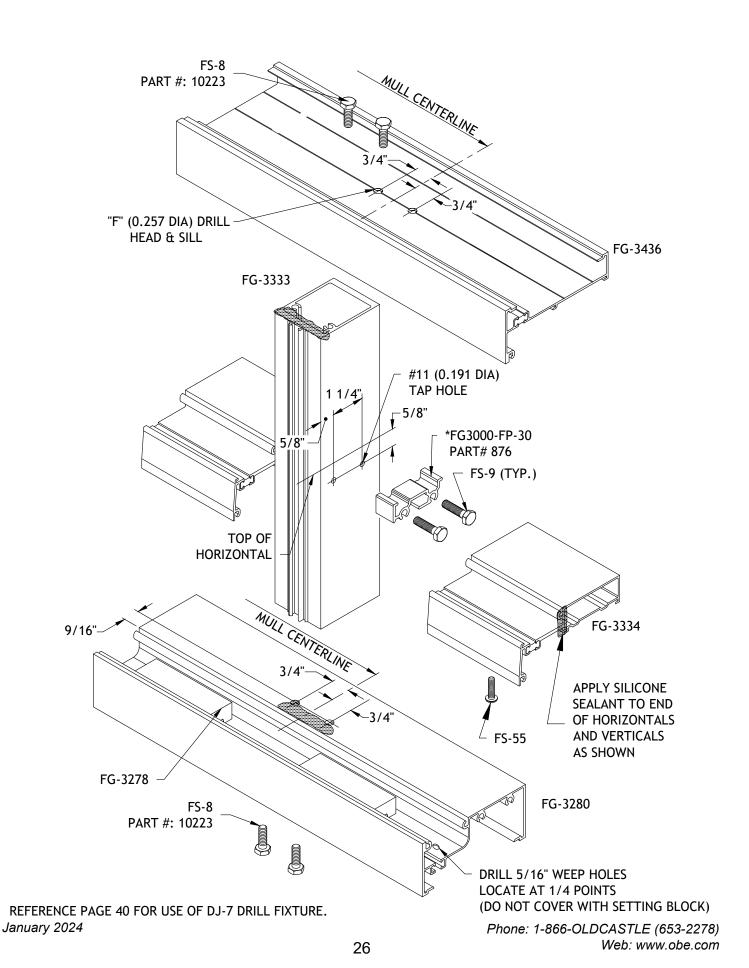


REFERENCE PAGE 40 FOR USE OF DJ-7 DRILL FIXTURE. January 2024 *SHEAR BLOCK PACKAGES INCLUDE FASTENERS

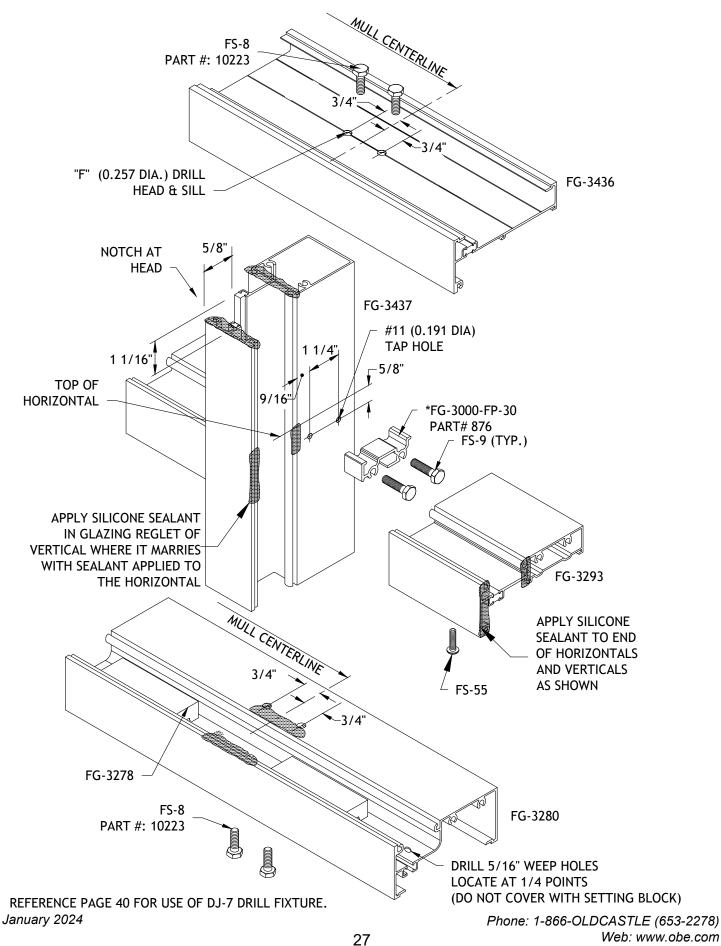
Phone: 1-866-OLDCASTLE (653-2278)

Web: www.obe.com

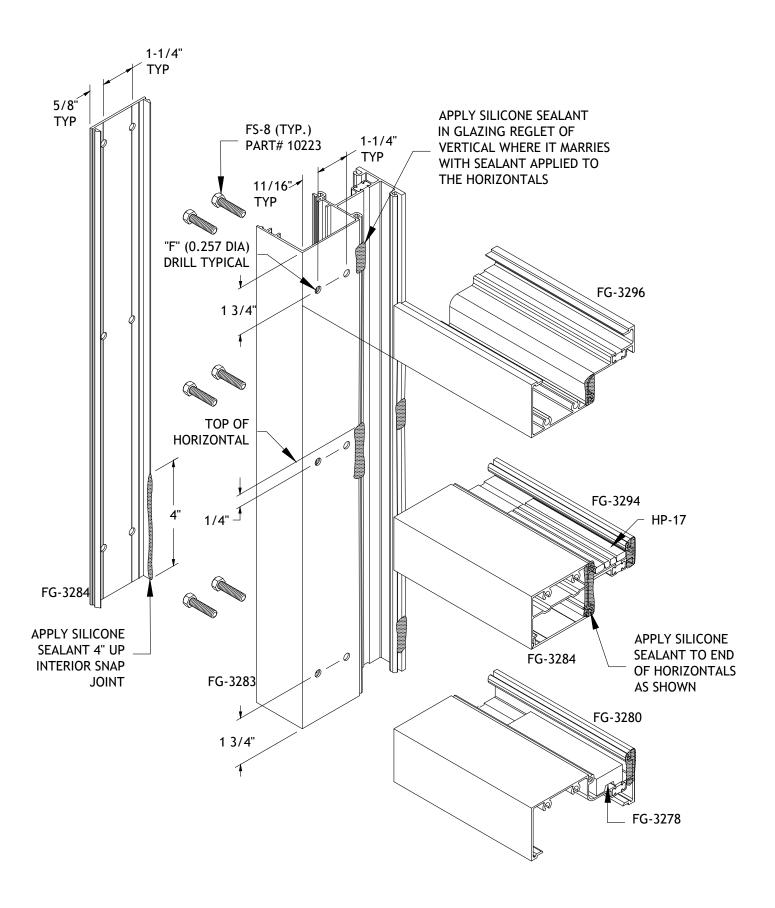
INSIDE GLAZED, FRONT SET 2-SIDED SSG FRAMING FABRICATION AND ASSEMBLY



INSIDE GLAZED, FRONT SET FABRICATION & ASSEMBLY



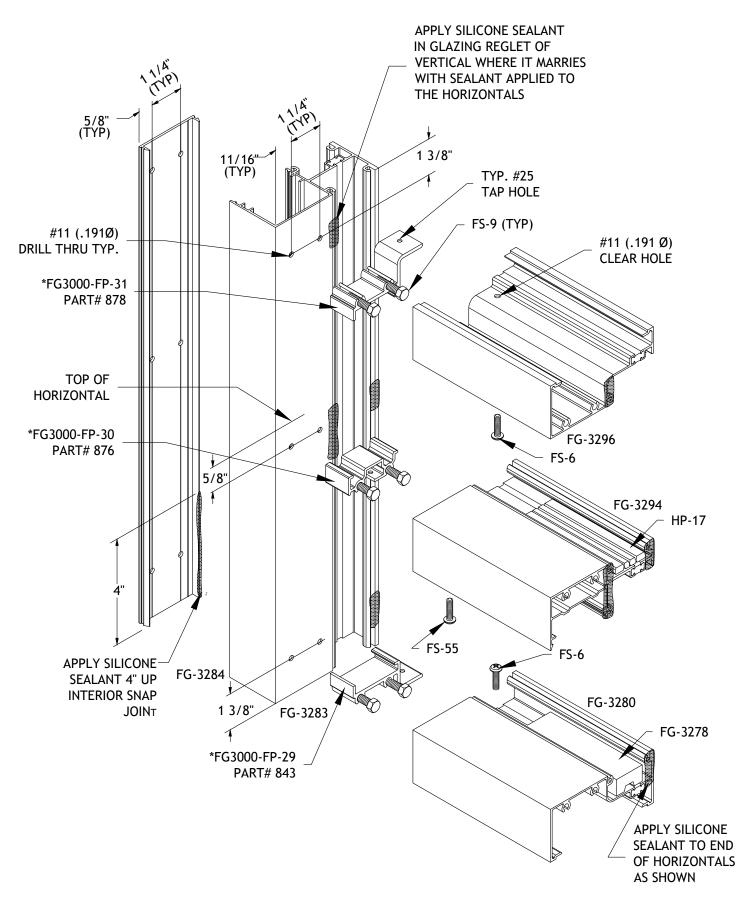
INSIDE GLAZED, BACK SET SCREW SPLINE FABRICATION & ASSEMBLY



28

REFERENCE PAGE 41 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

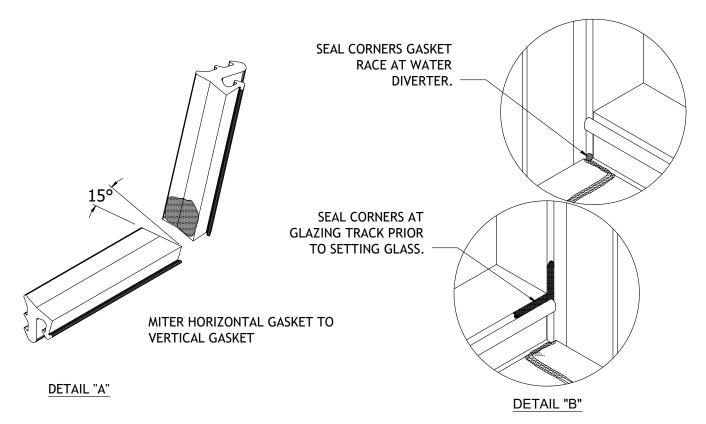
INSIDE GLAZED, BACK SET SHEAR BLOCK FABRICATION & ASSEMBLY



REFERENCE PAGE 41 FOR USE OF DJ-7 DRILL FIXTURE. January 2024

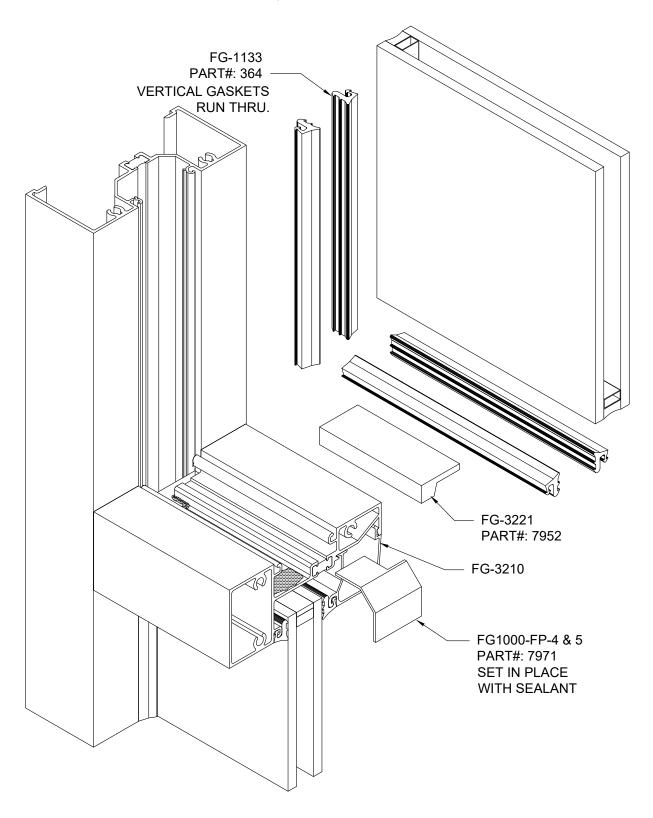
INSIDE GLAZING GUIDELINES

- REMOVE GASKETS FROM ROLL AND ALLOW TO RELAX OVERNIGHT. ALL GASKETS TO BE CUT D.L.O. PLUS 1/4" PER FOOT HORIZONTALLY AND D.L.O. PLUS 1" PLUS 1/4" PER FOOT VERTICALLY.
- VERTICAL GASKETS RUN THRU, HORIZONTAL GASKETS SHOULD BE MITERED ON ENDS AS SHOWN IN DETAIL "A".
- 3. INSTALL EXTERIOR GASKETS PRIOR TO GLAZING. CORNERS OF EXTERIOR GASKETS TO BE SET IN SEALANT (DTL."B") AND CORNERS SEALED JUST PRIOR TO SETTING GLASS (DTL."A"). NOTE: CLEAN GASKETS AND SURFACES WITH ISOPOPYL ALCOHOL PRIOR TO SEALING CORNERS.
- 4. LOCATE SETTING BLOCKS AT EITHER 1/4 POINTS OR 1/8 POINTS, DEPENDENT ON SIZE OF GLASS.
- 5. GLASS BITE AT TYPICAL HORIZONTAL AND VERTICAL MEMBERS IS 7/16". AT SSG VERTICAL 3/4".
- 6. GLAZE OPENINGS FROM BOTTOM TO TOP, INSTALLING WATER DIVERTERS IN HORIZONTAL ABOVE, AFTER LITE BELOW IS IN POSITION.
- 7. WATER DIVERTERS (FG1000-FP-2) MUST BE LOCATED ON EACH END OF HORIZONTALS AND SET IN SEALANT.
- 8. WHEN INSTALLING GLASS: FIRST, WET TOP OF SETTING BLOCK WITH SOAPY WATER. ONCE GLASS IS SET IN PLACE, PUSH GLASS AGAINST EXTERIOR GASKET AT SETTING BLOCK AREA. FAILURE TO DO SO MAY CAUSE DIAGONAL CRACKS TOWARDS SETTING BLOCKS DUE TO GLASS BENDING WHILE INSTALLING GASKET(S) IN CORNERS.



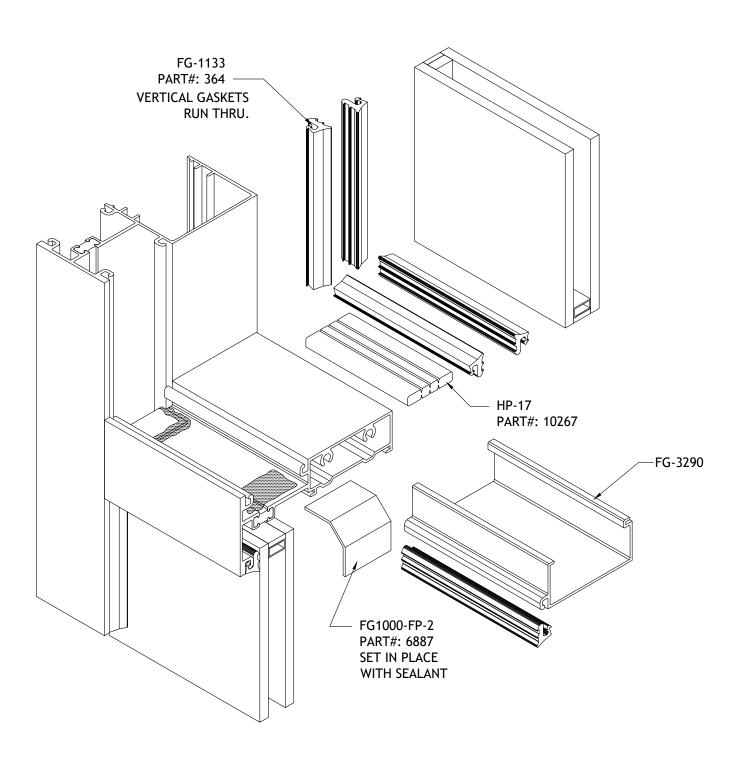
January 2024

INSIDE GLAZED, CENTER SET GLAZING DETAIL



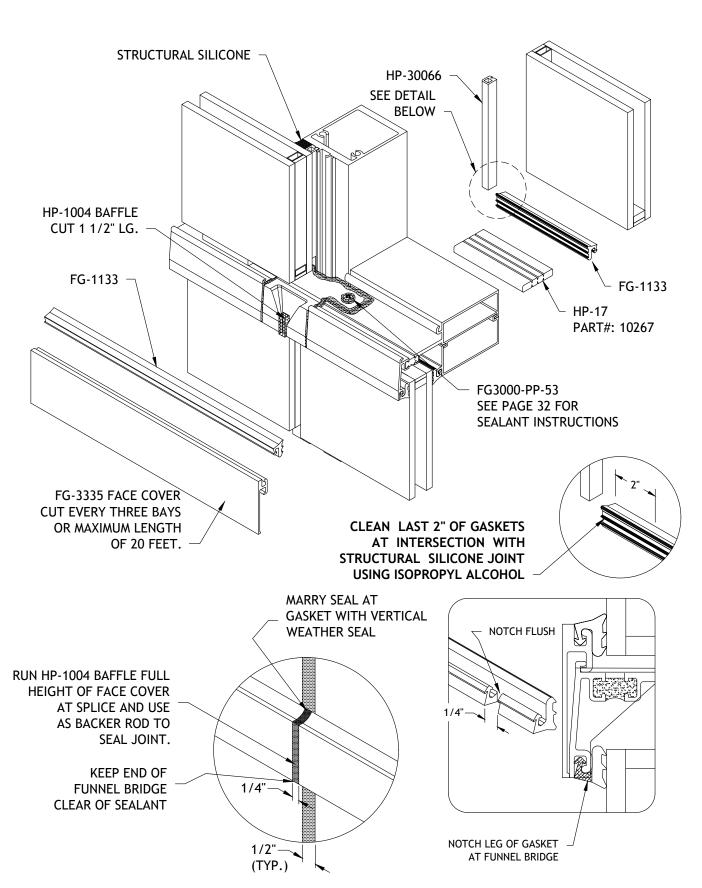
January 2024

INSIDE GLAZED, FRONT SET GLAZING DETAIL



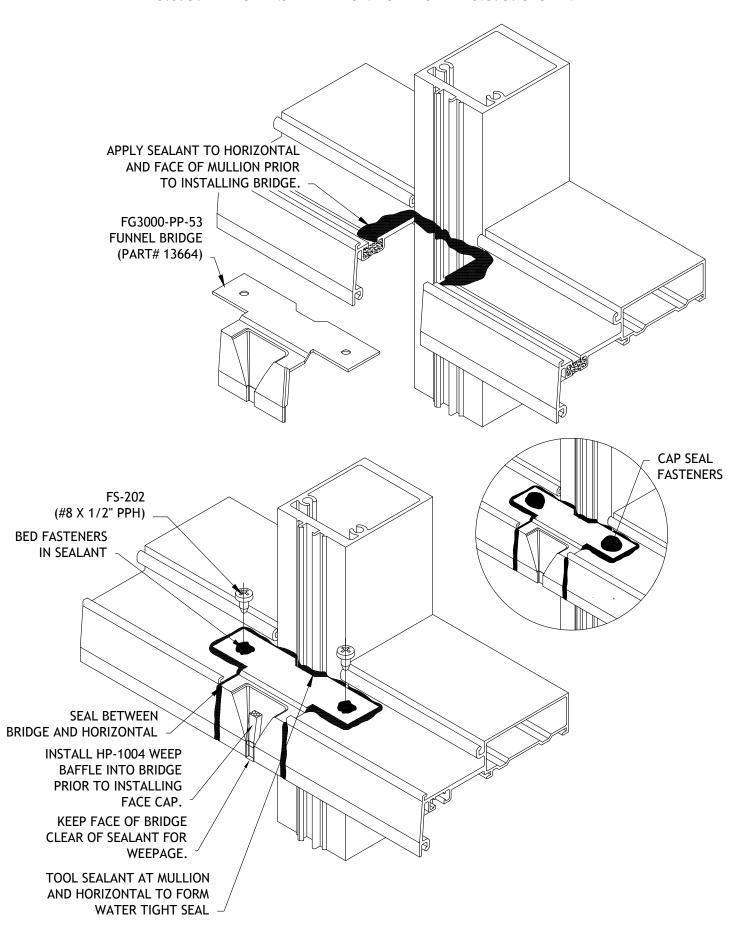
January 2024

INSIDE GLAZED, FRONT SET 2-SIDED SSG GLAZING DETAIL



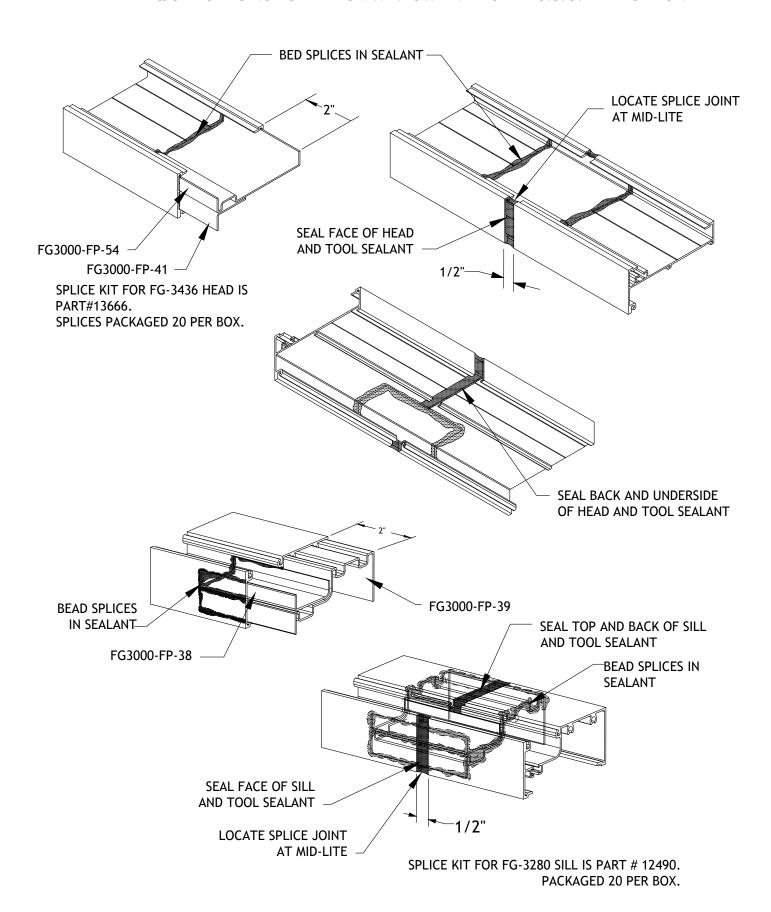
January 2024

S.S.G. BRIDGE INSTALLATION FOR 2-SIDED S.S.G. SYSTEM



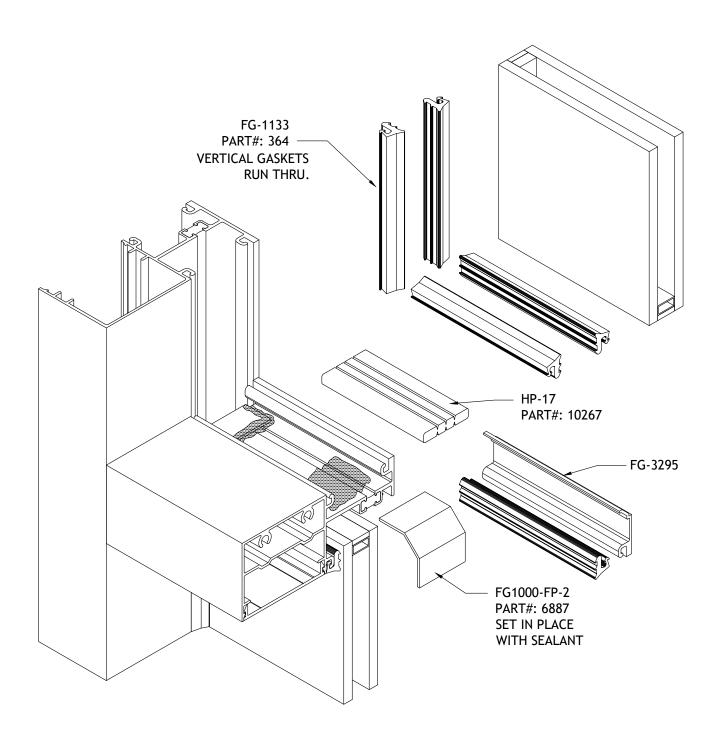
January 2024

HEAD & SILL SPLICING FOR RIBBON WINDOW AND 2-SIDED S.S.G. APPLICATION



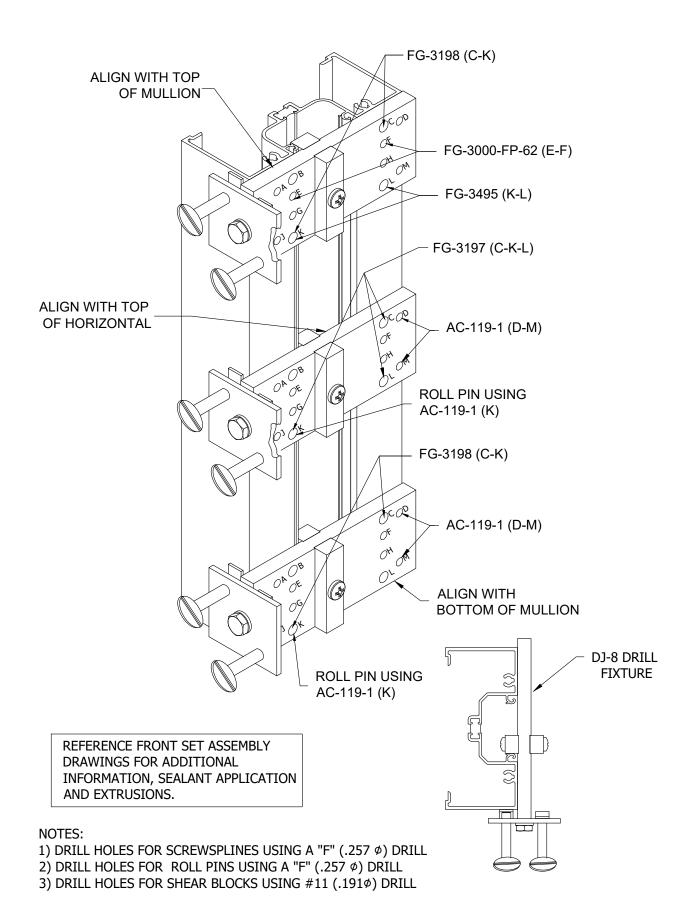
January 2024

INSIDE GLAZED, BACK SET GLAZING DETAIL



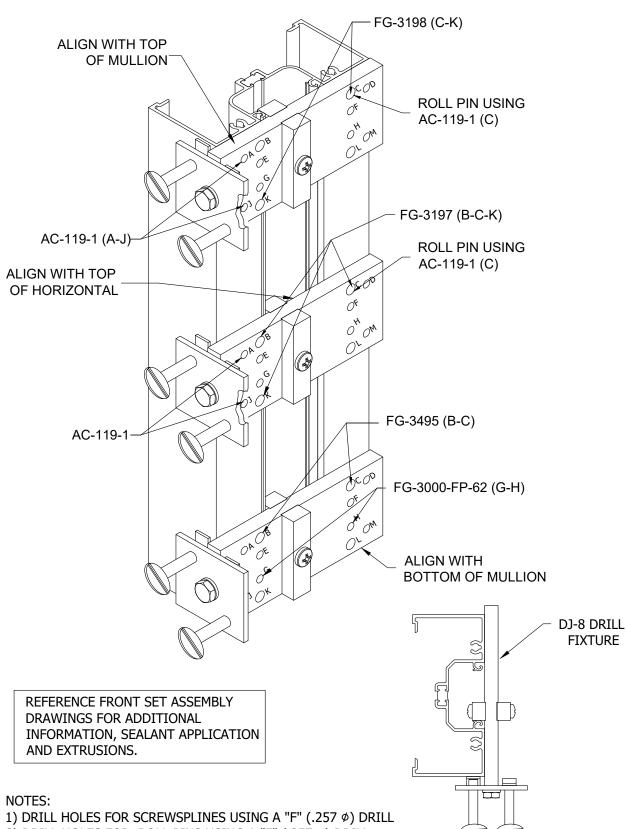
January 2024

OUTSIDE GLAZED, CENTER SET FABRICATION USING DRILL FIXTURE



January 2024

INSIDE GLAZED, CENTER SET FABRICATION USING DRILL FIXTURE



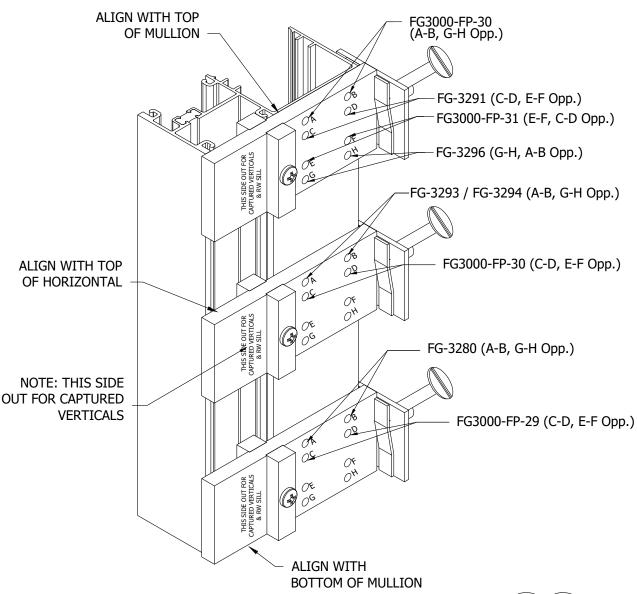
38

January 2024

- 2) DRILL HOLES FOR ROLL PINS USING A "F" (.257 Φ) DRILL
- 3) DRILL HOLES FOR SHEAR BLOCKS USING #11 (.191¢) DRILL

Phone: 1-866-OLDCASTLE (653-2278)

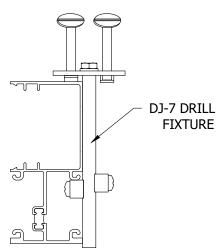
FRONT SET FABRICATION USING DRILL FIXTURE



REFERENCE FRONT SET ASSEMBLY DRAWINGS FOR ADDITIONAL INFORMATION, SEALANT APPLICATION AND EXTRUSIONS.

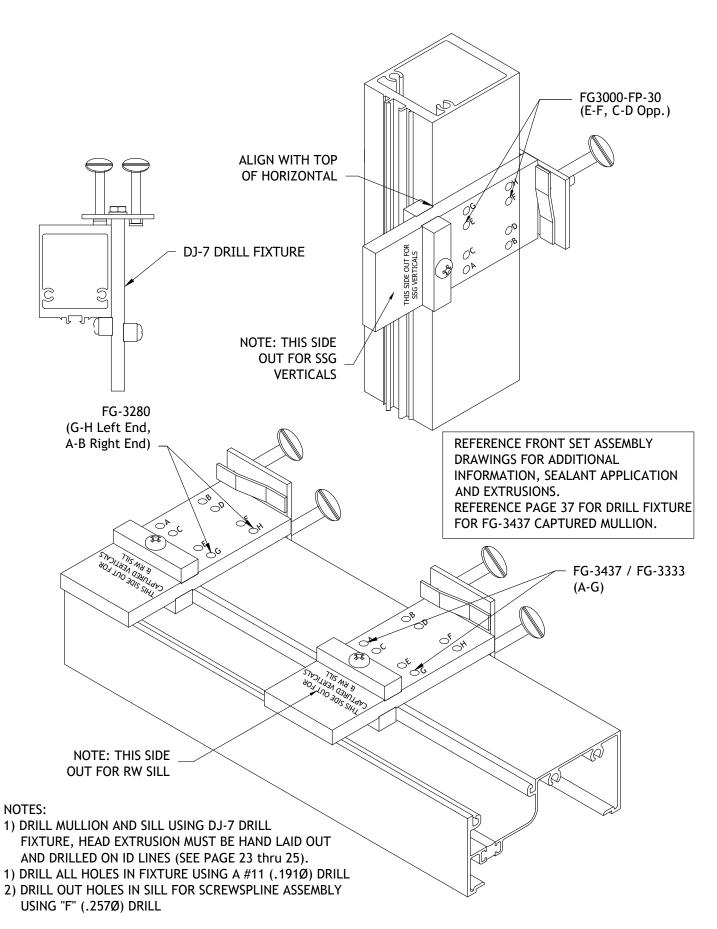
NOTES:

- 1) DRILL ALL HOLES USING A #11 (.191¢) DRILL (SHEAR BLOCKS REQUIRE #11 DRILL)
- 2) DRILL OUT HOLES FOR SCREWSPLINE ASSEMBLY USING "F" (.257\(\phi\)) DRILL



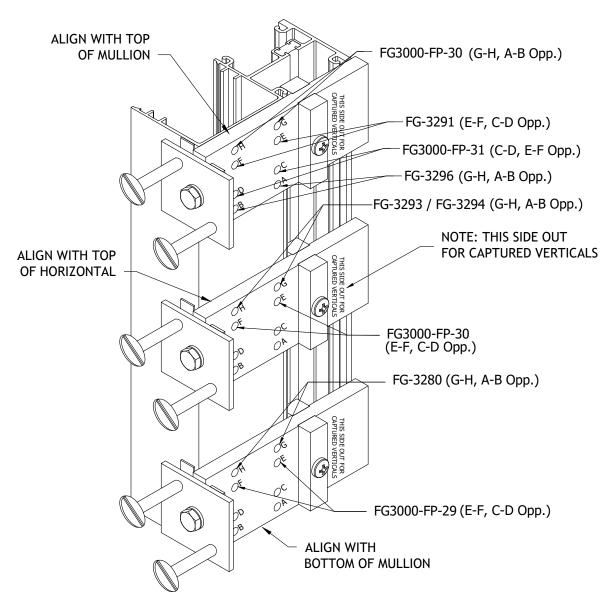
January 2024

2-SIDED S.S.G. SYSTEM FABRICATION USING DRILL FIXTURE



January 2024

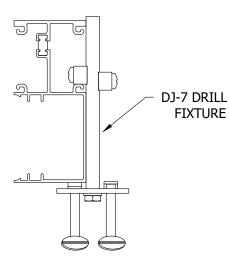
BACK SET FABRICATION USING DRILL FIXTURE



REFERENCE FRONT SET ASSEMBLY DRAWINGS FOR ADDITIONAL INFORMATION, SEALANT APPLICATION AND EXTRUSIONS.

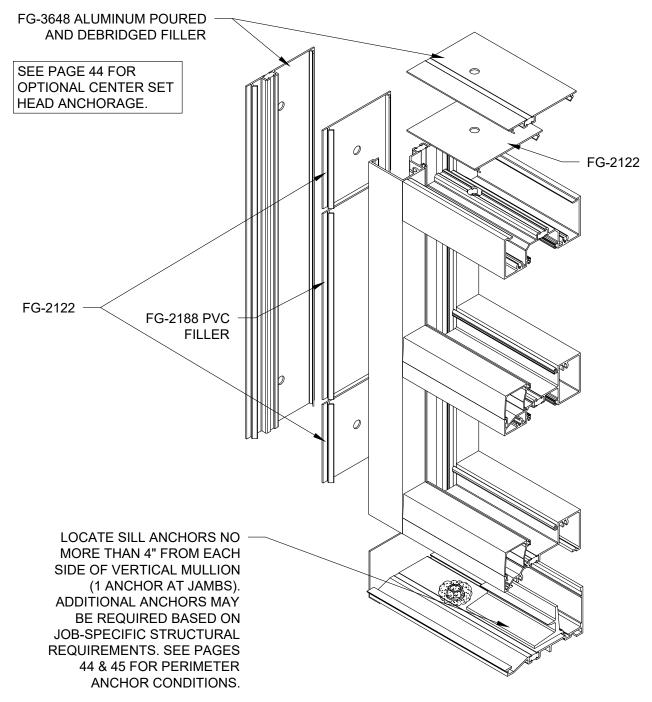
NOTES:

- 1) DRILL ALL HOLES USING A #11 (.191¢) DRILL (SHEAR BLOCKS REQUIRE #11 DRILL)
- 2) DRILL OUT HOLES FOR SCREWSPLINE ASSEMBLY USING "F" (.257\(\phi\)) DRILL



Phone: 1-866-OLDCASTLE (653-2278)

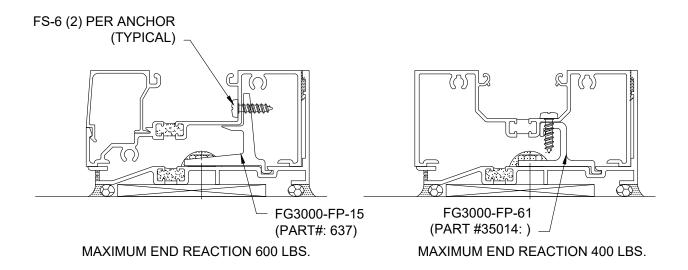
FRAME INSTALLATION

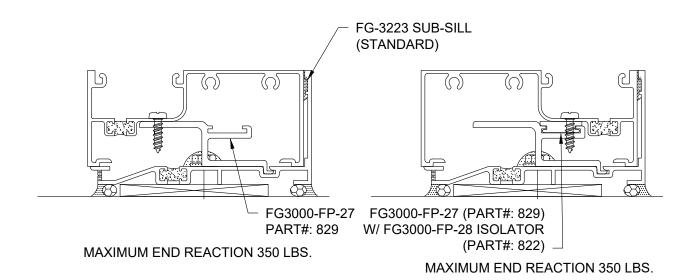


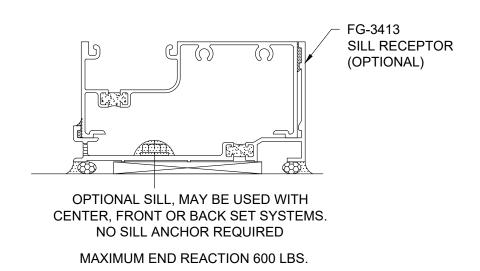
NOTES:

- WHEN USING OPTIONAL FG-3413 SUBSILL, SILL ANCHORS ARE NOT REQUIRED.
- 2. (2) HEAD AND JAMB PERIMETER ANCHORING APPROACHES ARE AVAILABLE:
 - FG-2122 IN 4" LENGTHS AT ANCHOR BOLT LOCATIONS, WITH FG-2188 PVC FILLER OPTIONALLY RUN BETWEEN, OR
 - FG-3648 ALUMINUM POURED AND DEBRIDGED FILLER, RUN CONTINUOUSLY.
- ANCHOR BOLT SIZE AND FREQUENCY WILL BE PER STRUCTURAL REQUIREMENTS.
- 4. SILL AND HEAD ANCHORS SHOULD BE LOCATED SO THAT THE ANCHOR IS NOT MORE THAN 4" AWAY FROM EACH SIDE OF VERTICAL MULLION, OR ON ONE SIDE FOR JAMBS.
- 5. INSTALLATION WITHOUT SUBSILL IS NOT RECOMMENDED.
- 6. INSTALLATION USING A NON-THERMAL OR SHEET METAL FLASHING WILL RESULT IN LOSS OF THERMAL CONTINUITY AND IS NOT RECOMMENDED.
- 7. DO NOT ANCHOR WALL THROUGH VERTICAL LEG OF SUBSILL.

SILL ANCHORING

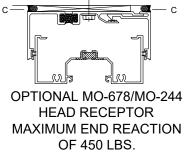




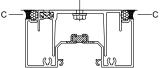


January 2024

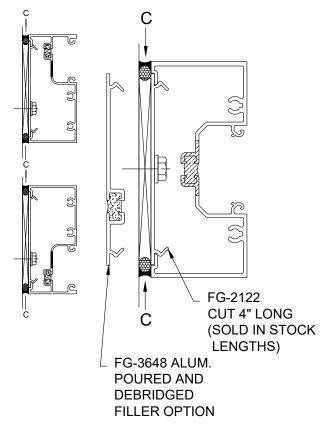
OUTSIDE GLAZED ANCHORAGE & PERIMETER SEAL



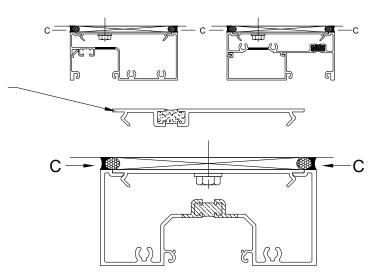
FG-3648 ALUM. POURED AND DEBRIDGED FILLER OPTION



OPTIONAL FG3000-FP-52 ANCHOR, AVAILABLE FOR CENTER SET SYSTEM ONLY. MAXIMUM END REACTION OF 600LBS.



NOTE: 5/16" WEEP HOLES REQUIRED IN SUBSILL (E) AT MID-LITE



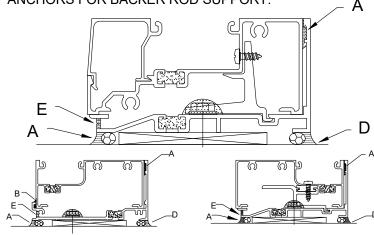
APPLY SEALANT ALONG LENGTH OF SILL FLASHING AT POINT (A).

WHEN USING OPTIONAL FG-3413 SILL RECEPTOR, ONCE THE WALL IS SECURED, APPLY CONTINUOUS FILLET SEAL TO FACE OF FRAME AND SUBSILL AT (B).

THE QUALITY OF THE INSIDE AND OUTSIDE PERIMETER SEALS (C) MAY BE IMPROVED BY USING FG-2188 RIGID PVC FILLER. THE PART MAY BE USED IN FULL LENGTHS OR CUT INTO PIECES. ITS PURPOSE IS TO PROVIDE SUPPORT FOR THE BACKER ROD REGARDLESS OF JOINT SIZE. INTERIOR PERIMETER SEAL AT SILL (D) IS FOR COSMETIC PURPOSES AND IS OPTIONAL.

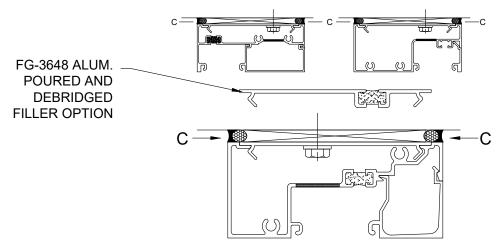
THE FILLER COMBINATION OF FG-2122 AT BOLT LOCATIONS WITH FG-2188 FILLER RUNNING BETWEEN MAY BE SUBSTITUTED WITH FG-3648 POURED AND DEBRIDGED FILLER, RUN CONTINUOUSLY AT HEAD AND/OR JAMB AS REQUIRED.

WHEN OPTIONAL CENTER SET HEAD ANCHOR IS USED, EITHER FG-2188 OR FG-3648 MAY BE USED BETWEEN ANCHORS FOR BACKER ROD SUPPORT.



SHOWN WITH OPTIONAL SILL

INSIDE GLAZED ANCHORAGE & PERIMETER SEAL



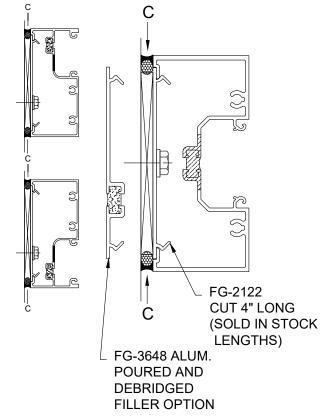
APPLY SEALANT ALONG LENGTH OF SILL FLASHING AT POINT (A).

WHEN USING OPTIONAL FG-3413 SILL RECEPTOR, ONCE THE WALL IS SECURED, APPLY CONTINUOUS FILLET SEAL TO FACE OF FRAME AND SUBSILL AT (B).

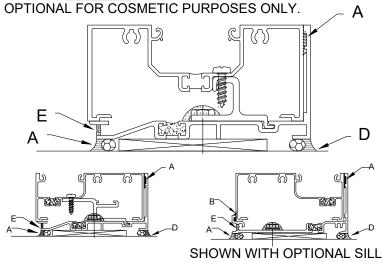
THE QUALITY OF THE INSIDE AND OUTSIDE PERIMETER SEALS (C) MAY BE IMPROVED BY USING FG-2188 RIGID PVC FILLER. THE PART MAY BE USED BETWEEN 4" SECTIONS OF FG-2122. ITS PURPOSE IS TO PROVIDE SUPPORT FOR THE BACKER ROD REGARDLESS OF JOINT SIZE.

THE FILLER COMBINATION OF FG-2122 AT BOLT LOCATIONS WITH FG-2188 FILLER RUNNING BETWEEN MAY BE SUBSTITUTED WITH FG-3648 POURED AND DEBRIDGED FILLER, RUN CONTINUOUSLY AT HEAD AND/OR JAMB AS REQUIRED.

FOR TYPICAL FULLY CAPTURED SYSTEMS, INTERIOR PERIMETER SEAL AT SILL (D) IS FOR COSMETIC PURPOSES AND IS OPTIONAL. FOR 2-SIDED SSG SYSTEM, INTERIOR PERIMETER SEALS "C" & "D" ARE



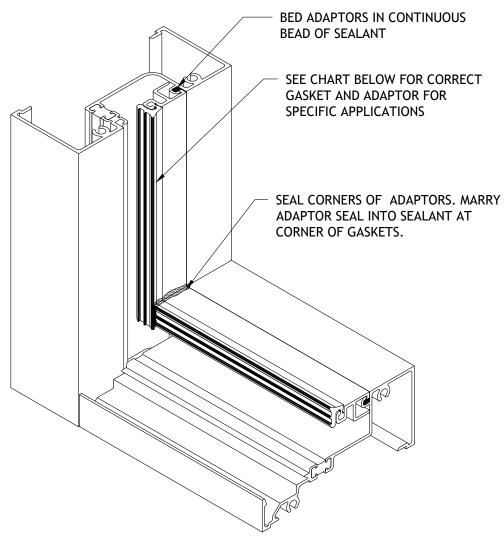
NOTE: 5/16" WEEP HOLES REQUIRED IN SUBSILL (E) AT MID-LITE



Phone: 1-866-OLDCASTLE (653-2278) Web: www.obe.com

January 2024

POCKET REDUCER INSTALLATION



NOTE: ADAPTORS SHOULD BE INSTALLED ON INTERIOR SIDE OF ALL GLAZING OPTIONS.

GLASS	ADAPTOR	GASKETS	GLASS	ADAPTOR	GASKETS
1/4"	FG-3194	FG-1133 Both Sides	11/16"	FG-3237	FG-1133 & FG-1134
5/16"	FG-3236	FG-5125 Both Sides	3/4"	FG-3237	FG-1134 Both Sides
3/8"	FG-3236	FG-1133 & FG-5125	13/16"	N/A	Not Available
7/16"	FG-3236	FG-1133 Both Sides	7/8"	None	FG-5125 Both Sides
1/2"	FG-3237	FG-5125 Both Sides	15/16"	None	FG-1133 & FG-5125
9/16"	FG-3237	FG-1133 & FG-5125	1"	None	FG-1133 Both Sides
5/8"	FG-3237	FG-1133 Both Sides	1 1/16"	None	FG-1133 & FG-1134
5/8"	NONE	FG-3129 Both Sides	1 1/8"	None	FG-1134 Both Sides

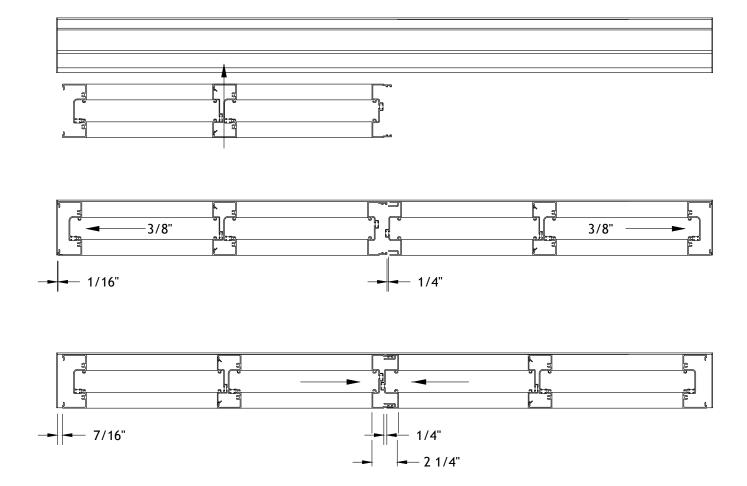
January 2024 Phone: 1-866-OLDCASTLE (653-2278) 46

EXPANSION VERTICAL

The example below shows installation of the center set system, options for front or back set are also available. Please reference price catalog for specific extrusions and anchors required for your installation. Please note the locations of various seals and insure proper locations of these seals when installing typical runs and expansion sections of each of these systems. These seals are shown in the sub-sill installation and assembly sections of this manual.

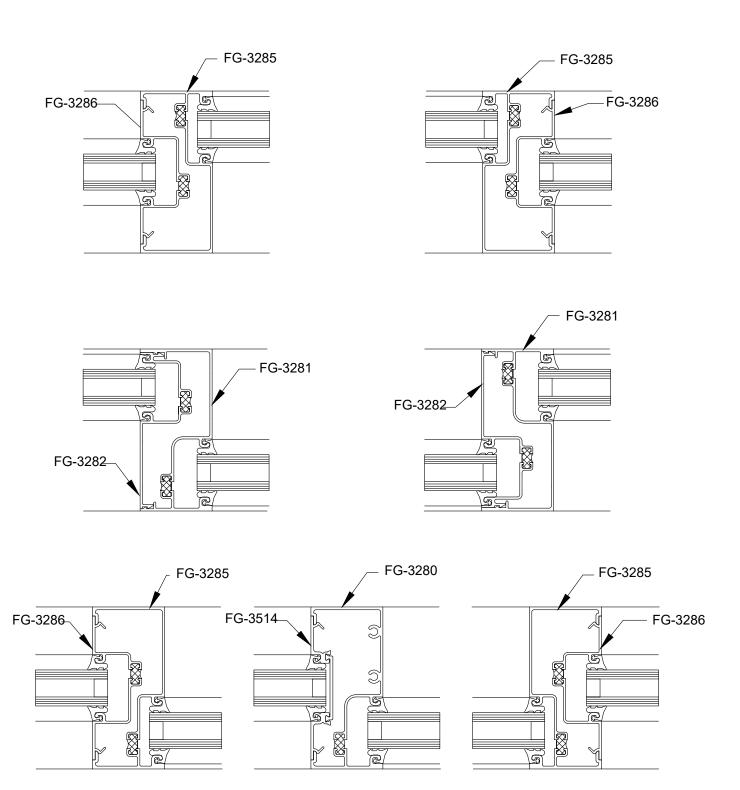
The sub-sills for these products are designed so that sill anchors may be properly sealed prior to frame installation. The frame is either installed over the hook-in anchors or dropped into the sill receptor. This prevents any additional fasteners from penetrating the sill and potentially causing leaks from under the sill. Be sure to properly cap seal all sill anchors prior to beginning installation of frames.

Multiple units may require the use of an expansion mullion if total run exceeds 24 feet in length. When elevation exceeds the 24 foot limit, locate thermal mullions at a distance of no more than every 20 feet. Locate splice in sub-sill at a distance of no more than every 12 feet. A minimum of 7/16" clearance between the jamb and sill end dam must be provided at each end of units when using expansion mullions. This will allow the minimum 3/8" clearance to move the units sideways so that the second unit may be rotated into position and interlocked into first unit. Once in position units should be centered into opening to provide equal joints at the iambs. Vistawall recommends the use of either the FG-2188 PVC filler or FG-3648 aluminum poured and debridged filler in the jambs and head to improve the perimeter seal.



January 2024

OPTIONAL VERTICALS FOR MULTI-SET APPLICATION

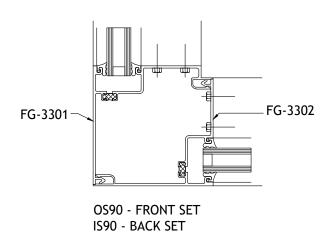


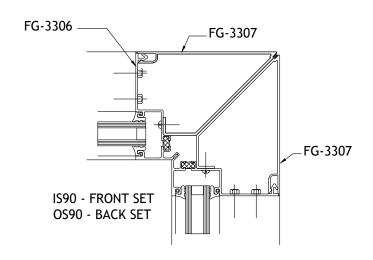
January 2024

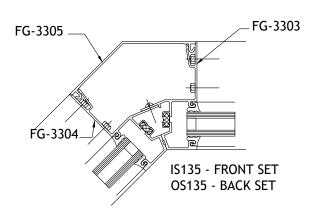
Phone: 1-866-OLDCASTLE (653-2278) Web: www.obe.com

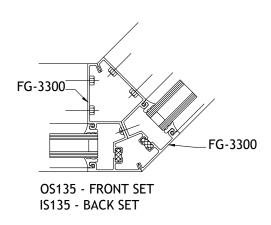
48

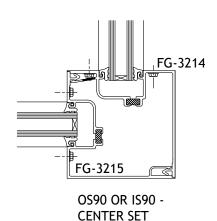
CORNER DETAILS

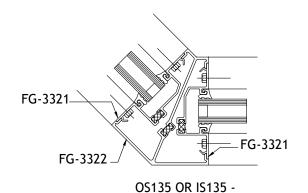




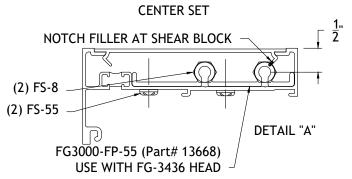








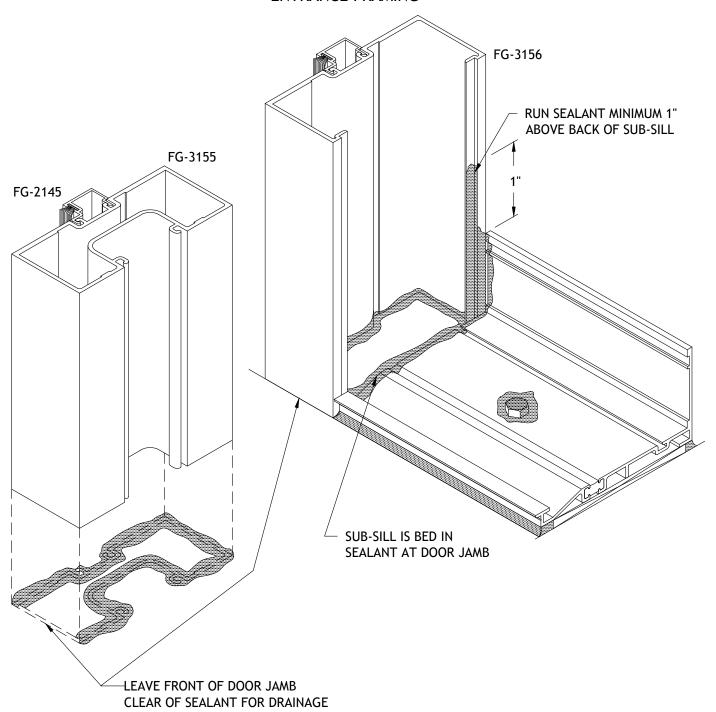
NOTE: WHEN USING ALL CORNER ASSEMBLIES WITH RIBBON WINDOW APPLICATIONS, THE CORNER WILL RUN THROUGH. ATTACH USING CONNECTIONS SHOWN IN FABRICATION AND ASSEMBLY SECTION OF THIS MANUAL. SPECIAL SHEAR BLOCK FOR HEAD IS SHOWN IN DETAIL "A" ON THIS PAGE.



Phone: 1-866-OLDCASTLE (653-2278) Web: www.obe.com

. ..

ENTRANCE FRAMING



NOTES:

- 1) USE SHEAR BLOCKS AS SHOWN IN FRAME ASSEMBLY SECTION OF THIS MANUAL TO SECURE HORIZONTALS TO TUBULAR FRAMES.
- 2) DOOR FRAME IS ANCHORED BY FASTENERS THROUGH THRESHOLD AND DOOR FRAME HEADER.
- 3) DO NOT FABRICATE STANDARD 2 PIECE POUR & DEBRIDGED FRAME EXTRUSIONS FOR DOOR FRAMES. IF THERMAL FRAME IS REQUIRED, OPTIONAL THERMAL DOOR FRAME FG-3389 OR FG-3444 MAY BE USED IN CONJUNCTION WITH THERMAL DOORS.
- 4) WHEN USING THE CENTER SET SYSTEM, THE TWO-PIECE OR TUBULAR FRAMING OPTION ARE AVAILABLE AS SHOWN ABOVE. WHEN USING EITHER THE FRONT SET OR BACK SET SYSTEM ONLY THE TUBULAR OPTION IS AVAILABLE. THE VERTICAL FOR THE FRONT OR BACK SET OPTIONS IS FG-3287.

Phone: 1-866-OLDCASTLE (653-2278) 50

PARTS LIST

SERIES 3000 MULTIPLANE CENTER SET

FG-3495	Open Back Head / Jamb / Mullion
FG-3595	Open Back Heavy Mullion
FG-3328	Expansion Mullion (mates w/ FG-3327)
FG-3329	Expansion Mullion (mates w/ FG-3326)
] FG-3514	Open Back Filler
FG-3197	Intermediate Horizontal
لوسيا FG-3198	Sill
∏ [°] FG-3144	Glass Stop for FG-3197, FG-3198 & FG-3320
្រី FG-3210	Heavy Glass Stop for Inside Glazing

SERIES 3000 MULTIPLANE SILL RECEPTORS

FG-3223	Sill Receptor
FG-3413	Sill Receptor

SERIES 3000 THERMAL FRONT SET

FG-3280	Open Back Jamb & Sill
FG-3283	Open Back Mullion
FG-3297	Open Back Heavy Mullion
FG-3326	Expansion Mullion (mates w/ FG-3327)
FG-3327	Expansion Mullion (mates w/ FG-3326)
FG-3284	Open Back Filler (Mullion & Horizontal)
FG-3296	Outside Glazed Head
FG-3294	Outside Glazed Horizontal
Ç FG-3295	Face Stop for FG-3294 & FG-3296
್ಷ್ FG-3291	Inside Glazed Head
FG-3293	Inside Glazed Horizontal
FG-3290	Glass Stop for FG-3291 & FG-3293

January 2024

PARTS LIST

SERIES 3000 MULTIPLANE BACK SET

	·
्रिट FG-3280	Open Back Jamb & Sill
FG-3283	Open Back Mullion
FG-3297	Open Back Heavy Mullion
FG-3326	Expansion Mullion (mates w/ FG-3327)
FG-3327	Expansion Mullion (mates w/ FG-3326)
FG-3284	Open Back Filler (Mullion & Horizontal)
ਿਰੀ FG-3296	Inside Glazed Head
FG-3294	Inside Glazed Horizontal
្តិ FG-3295	Face Stop for FG-3294 & FG-3296
FG-3291	Outside Glazed Head
FG-3293	Outside Glazed Horizontal
FG-3290	Glass Stop for FG-3291 & FG-3293

SERIES 3000 MULTIPLANE OPTIONAL VERTICALS

FG-3285	Open Back Mullion- Center Set to Front Set or Back Set
FG-3286	Open Back Filler for FG-3285
FG-3281	Open Back Mullion - Front Set to Back Set or Back Set to Front Set
FG-3282	Open Back Filler for FG-3281

SERIES 3000 THERMAL RIBBON WINDOW / FRONT SET SSG

FG-3280	Open Back Jamb & Sill
FG-3333	SSG Mullion
FG-3437	Captured Mullion
FG-3436	Head
FG-3334	Intermediate Horizontal
fG-3335	Face Stop for FG-3334
FG-3290	Glass Stop for FG-3436 & FG-3334

January 2024

Phone: 1-866-OLDCASTLE (653-2278)

PARTS LIST

SERIES 3000 MULTIPLANE AUXILARY EXTRUSIONS

Head Receptor MO-678 Receptor Face MO-244 4-13/16" High Sidelight Base FG-3320 4-5/8" High Sidelight Base (mates w/ FG-3332) FG-3331 4-5/8" High Sidelight Base (mates w/ FG-3331) FG-3332 Center Set 90° Corner FG-3214 Center Set 90° Corner (Self-Mating 180°) FG-3215 Front Set Outside 90°, Back Set Inside 90° Corner FG-3301 Front Set Outside 90°, Back Set Inside 90° Corner (Mates w/ FG-3301) FG-3302 Front Set Inside 90°, Back Set Outside 90° Corner FG-3306 (2 per corner) 90° Corner mates w/ FG-3306 (2 per corner) FG-3307 Center Set 135° Corner FG-3322

SERIES 3000 MULTIPLANE AUXILARY EXTRUSIONS

	FG-3321	Center Set 135° Corner Filler (2 per corner)
J. J.	FG-3304	135° Corner mates w/ FG-3303
3	FG-3305	135° Filler for FG-3303/FG-3304
	FG-3300	Front Set 135° Outside, Back Set Inside 135° Corner (2 per corner)
	FG-3303	Front Set 135° Inside, Back Set Outside 135° Corner (2 per corner)
ß	FG-2122	Alum. Perimeter Filler
<u>R</u>	FG-2188	PVC Perimeter Filler
<u>« ၉၅</u>	FG-3648	Alum. Poured and Debridged Perimeter Filler
	FG-3126	Pocket Filler
	FG-3218	Vinyl Pocket Filler for Window Applications 12' lg.
	FG-3194	Glazing Adaptor for 1/4" glass Use with mullions only
ļ	FG-3237	Glazing Adaptor for 1/2", 9/16",5/8", 11/16" & 3/4" Use with mullions only
J	FG-3236	Glazing Adaptor for 5/16", 3/8" & 7/16" Use with mullions only

Phone: 1-866-OLDCASTLE (653-2278)

PARTS LIST

SERIES 3000 MULTIPLANE AUXILIARY EXTRUSIONS

	FG-3594	Glazing Adaptor for 1/4" glass Use with FG-3514 filler
Ţ	FG-3537	Glazing Adaptor for 1/2", 9/16",5/8", 11/16" & 3/4" Use with FG-3514 filler
	FG-3536	Glazing Adaptor for 5/16", 3/8" & 7/16" Use with FG-3514 filler

SERIES 3000 MULTIPLANE ACCESSORIES

FG1000-FP-2	Water Diverter for Center Set Outside Glazed & all Front Set or Back Set
FG1000-FP-4/5	Water Diverter for Center Set Inside Glazed
UW-466	2" Wide Silicone Sheet for splicing of sill receptors
FG3000-FP-4	End Dam for FG-3223
FG3000-FP-78	End Dam for FG-3413
FG3000-FP-62	Shear Block for FG-3495
AC-119-1	Shear Block for FG-3197 & FG-3198
FG-3647-01	Shear Block for Sidelite Base Horizontal (FG-3331/3332)

SERIES 3000 MULTIPLANE ACCESSORIES

	Shear Block for FG-3280
FG3000-FP-29	
FG3000-FP-30	Shear Block for FG-3291, FG-3293, FG-3294 & FG-3334
FG3000-FP-56	End Dam for FG-3280 Sill for SSG System
FG3000-FP-31	Shear Block for FG-3296
FG3000-FP-55	Shear Block for FG-3436 Head at Corners
FG3000-FP-61	Anchor for FG-3223 Inside Glazed Center Set
FG3000-FP-15	Anchor for FG-3223 Outside Glazed Center Set
FG3000-FP-27	Anchor for FG-3223 Front or Back Set
FG3000-FP-28	Sill Anchor Isolator for Back Set Only (mates w/FG3000-FP-27)
FG3000-FP-32	Anchor for FG-3223 use w/ FG-3332 Sidelight Base
FG3000-FP-52	Anchor for FG-3231 Head

January 2024 Phone: 1-866-OLDCASTLE (653-2278) 54

PARTS LIST

SERIES 3000 MULTIPLANE ACCESSORIES

FG3000-FP-53	Funnel Bridge for FG-3334
FG3000-FP-41/54	Splices for FG-3436 Head
FG3000-FP-38/39	Splices for FG-3280 Sill

SERIES 3000 MULTIPLANE ACCESSORIES GASKETS & SETTING BLOCKS

FG-1133	1" Glazing Gasket
দু FG-1134	Light Gasket
FG-3129	5/8" Glazing Gasket
FG-5125	Heavy Gasket
☐ HP-30066	Spacer Gasket for SSG Mullion
<u>®</u> CW-998	Gasket for Expansion Mullions
'ন' V-11	Gasket for Head Receptor

SERIES 3000 MULTIPLANE ACCESSORIES GASKETS & SETTING BLOCKS

FG-3220	Setting Block for FG-3197, FG-3198 & FG-3231
FG-3221	Setting Block for FG-3197 Inside Glazed
FG-3278	Setting Block for FG-3280
HP-17	Setting Block for FG-3293, FG-3294 & FG-3334
HP-1004	Weep Baffle
GP-152	Side Block for Deep Pocket
GP-154	Side Block for Shallow Pocket

January 2024

PARTS LIST

SERIES 3000 MULTIPLANE ACCESSORIES FASTENERS & DRILL JIGS

FS-6	#10 X 3/4" P.P.H. Attachment of Sill to Sill Anchor & Shear Blocks
FS-7	#10 X 3/4" P.F.H. Attachment of Shear Blocks
FS-8	#14 X 1" H.H.S.T.S. Assembly Screw
FS-55	#10 x 1/2" P.R.H. Attachment of Shear Blocks at Horizontals
FS-202	#8 x 1/2" P.P.H. Attachment of FG3000-FP-53 Bridge
DJ-7	Drill Fixture for Front or Back Set Shear Block or Screwspline Assembly
DJ-8	Drill Fixture for Center Set Shear Block or Screwspline Assembly
FS-320	M4 x 16mm headed helical pin Attachment of end dam to FG-3413 Sub Sill

January 2024 Phone: 1-866-OLDCASTLE (653-2278)
56 Web: www.obe.com