**SERIES 3000 THERMAL MULTIPLANE STOREFRONT**

**2" X 4-1/2" / 1" GLAZING / FRONT SET**

<table>
<thead>
<tr>
<th>Elev-Series-3000-MP-FS</th>
<th>V4102-Jamb-Typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>H0950-SubSill-Splice-EndDam</td>
<td>V4105-Vertical-Heavy</td>
</tr>
<tr>
<td>H4101-Hrz-OutsideGlz</td>
<td>V4106-Vertical-Typical</td>
</tr>
<tr>
<td>H4102-Hd-OutsideGlz</td>
<td>V4107-Expansion-Vertical</td>
</tr>
<tr>
<td>H4103-Sill</td>
<td>V4110-135-Outside-Corner</td>
</tr>
<tr>
<td>H4109-Sill-Option</td>
<td>V4111-90-Outside-Corner</td>
</tr>
<tr>
<td>H4112-Head-w-Receptor</td>
<td>V4112-90-Inside-Corner</td>
</tr>
<tr>
<td>H4114-Hrz-InsideGlz</td>
<td>V4114-135-Inside-Corner</td>
</tr>
<tr>
<td>H4115-Head-InsideGlz</td>
<td></td>
</tr>
<tr>
<td>H4119-Horiz-at-OpWin</td>
<td></td>
</tr>
<tr>
<td>H4143-Sill-HighSdltBase</td>
<td></td>
</tr>
<tr>
<td>H4148-Glass-Options</td>
<td></td>
</tr>
</tbody>
</table>
Series 3000 Thermal MultiPlane - Front Set
2" x 4-1/2" w/ 1" Glazing - Elevation

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com
Elev-Series3000-Mp-FS
Series 3000 - Thermal MultiPlane
Sub-Sill Splice & End Dam - H0950

Note: Ref installation manual for additional splice & end dam info.
FG-3295 GLAZING BEAD

FG-1000-FP-2 WATER DIVERTER SET IN SEALANT

HP-17 SETTING BLOCK (2) PER D.L.O.

FG-1133 TYP.

FG-3294 HORIZONTAL

FG-3284 FILLER

FG-3000-FP-30 SHEAR BLOCK (OPTIONAL) ATTACH TO HORIZ. W/ FS-55 (#10 X 1/2" PPH), ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)

Series 3000 - Thermal MultiPlane - Front Set
Intermediate Horizontal - H4101

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com

H4101-Hrz-OutsideGlz
Series 3000 - Thermal MultiPlane - Front Set
Head - H4102

1/4" MIN. W/ FG-3223 SUBSILL
3/8" MIN. W/ FG-3413 SUBSILL

SHIM, BACKER
ROD & SEALANT
(BY OTHERS)

ANCHOR BOLT
(BY OTHERS)

FG-2122 ALUM. FILLER
4" LONG @ ANCHORS, RUN FG-2188
VINYL FILLER BETWEEN

FG-3295
GLAZING BEAD

FG-3296 HEAD

FG-3295
GLAZING BEAD

ACCESS
HOLE

FG-1133 TYP.

1" GLAZING

2" D.L.O.

4 1/2"

1/4" MIN. W/ FG-3223 SUBSILL
3/8" MIN. W/ FG-3413 SUBSILL
Series 3000 - Thermal MultiPlane - Front Set
Sill Horizontal - H4103

FG-3280 SILL
CONT. SEAL (BY OTHERS)

FG-1133 TYP.

1" GLAZING ON FG-3278 SETTING BLOCK (2) PER LITE

FG-3413 SILL FLASHING

FG-3000-FP-29 SHEAR BLOCK (OPTIONAL) ATTACH TO SILL W/ FS-6 (#10 X 3/4" PPH), ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)

CONT. SEAL (BY OTHERS)

FG-3000-FP-78 END DAM ATTACH TO SILL FLASHING W/ (2) FS-320 DRIVE PINS

COSMETIC SEAL (OPTIONAL)

ANCHOR BOLT, CAP SEALED (BY OTHERS)

SHIM, BACKER ROD & SEALANT (BY OTHERS)

5/16" WEEP @ MID-LITES

D.L.O.

FG-3278 SETTING BLOCK

3/8" 1/2" 2" 4 1/2"

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com

H4103-Sill
1-866-OLDCASTLE (653-2278) www.obe.com

Series 3000 - Thermal MultiPlane - Front Set
Sill Horizontal - H4109

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com

FG-3278 SILL FASTENERS
ATTACH W/ FS-6, #10 X 3/4" PPH, NOT TO EXCEED 12 PER LITE
ATTACH TO VERTICAL W/ FS-2 (#3 X 2-1/2" HH)

CONT. SEAL (BY OTHERS)

FG-3223 SILL FLASHING
ATTACH TO SILL W/ FS-6, #10 X 3/4" PPH, (2) PER ANCHOR
ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)

SHIM, BACKER ROD & SEALANT (BY OTHERS)

ANCHOR BOLT, CAP SEALED (BY OTHERS)

1" GLAZING ON FG-3278 SETTING BLOCK (2) PER LITE

1/4" WEEP HOLES REQ'D IN FLASHING @ MID-LITES

3/8" D.L.O.

4 1/2"

FG-3000- FP-29 SHEAR BLOCK (OPTIONAL) ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)

FG-3000- FP-27 SILL ANCHOR ATTACH W/ FS-6, (2) PER ANCHOR
LOCATED NOT MORE THAN 4" FROM EACH SIDE OF MULLION

1" GLAZING ON FG-3278 SETTING BLOCK (2) PER LITE
Series 3000 - Thermal MultiPlane - Front Set
Head Horizontal - H4112

MO-244/MO-678
HEAD RECEPTORS
W/ V-11 GASKETS

ANCHOR BOLTS
(BY OTHERS)

SHIM, BACKER
ROD & SEALANT
(BY OTHERS)

FG-3296
HEAD

FG-3295
GLAZING BEAD

1" GLAZING

1/4" MIN. W/ FG-3223 SUBSILL
3/8" MIN. W/ FG-3413 SUBSILL

D.L.O.

1"

2"

1/4"

4 1/2"

FG-3000-FP-31 SHEAR BLOCK (OPTIONAL)
ATTACH TO HEAD W/ FS-6 (#10 X 3/4” PPH),
ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2” HH)

FG-1133
TYP.

FG-3296
HEAD

September 2018

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

H4112-Hd-OutsideGlz-Receptor
Series 3000 - Thermal MultiPlane - Front Set
Intermediate Horizontal - H4114

FG-3290 GLASS STOP

1" GLAZING

FG-3293 HORIZONTAL

FG-1000-FP-2 WATER DIVERTER SET IN SEALANT

FG-1133 TYP.

HP-17 SETTING BLOCK (2) PER D.L.O.

FG-3000-FP-30 SHEAR BLOCK (OPTIONAL) ATTACH TO HORIZ. W/ FS-55 (#10 X 1/2" PPH), ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)
ANCHOR BOLT, CAP SEALED (BY OTHERS)

SHIM, BACKER ROD & SEALANT (BY OTHERS)

FG-2122 ALUM. FILLER
4" LONG @ ANCHORS, RUN FG-2188 VINYL FILLER BETWEEN

FG-3291 HEAD

FG-3290 GLASS STOP

FG-3000-FP-30 SHEAR BLOCK (OPTIONAL) ATTACH TO HEAD W/ FS-55 (#10 X 1/2" PPH), ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)

ACCESS HOLE

1" GLAZING

4 1/2"

1/4" MIN. W/ FG-3223 SILL
3/8" MIN. W/ FG-3413 SILL

Series 3000 - Thermal MultiPlane - Front Set
Head - H4115

September 2018
Series 3000 - Thermal MultiPlant - Front Set
Horizontal at Operable Window - H4119

- FG-3294
- FG-3295
- FG-3126 ALUM. POCKET FILLER (STD)
- FG-3284 FILLER

OPERABLE WINDOW
(GO TO WWW.OBE.COM/PRODUCTS/ARCHITECTURAL-WINDOWS FOR THE MOST CURRENT DETAILS AND VENT OPTIONS)

FG-3218 PVC POCKET FILLER OPTION

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com

H4119-Horiz-w-OpWin
Series 3000 - Thermal MultiPlane - Front Set
Sidelite Base Sill - H4143

1" INSULATED GLAZING ON FG-3278 SETTING BLOCK, (2) PER D.L.O.
FG-1133 (TYP.)
FG-3331 Sidelite Base
ATTACH TO FG-3332 W/ FS-6
RIP SHEAR BLOCK
FG-3332 Sidelite Base
FG-3000-FP-29 Shear Block (optional)
ATTACH TO SILL W/ FS-7 (#10 X 3/4" PFH),
ATTACH TO VERTICAL W/ FS-9 (#14 X 1-1/2" HH)
CONT. SEAL
(BY OTHERS)
FG-3223 Sill Flashing
3/8" SHIM, BACKER ROD & SEALANT
(BY OTHERS)
ANCHOR BOLT, CAP SEALED
(BY OTHERS)
1/4" WEEP HOLES
REQ'D IN FLASHING AT CENTERLINE OF D.L.O.
September 2018
Series 3000 - Thermal MultiPlane - Front Set
Jamb - V4102

FS-8 (#14 X 1" HH SLOTTED) ASS'Y SCREW TYP.
FG-2122 ALUM. FILLER
4" LONG @ ANCHORS, RUN
FG-2188 VINYL FILLER BETWEEN (OPTIONAL)
END DAM @ SILL FLASHING
SET IN SEALANT (BY OTHERS)
ANCHOR BOLT, CAP SEALED
(BY OTHERS)
BACKER ROD & SEALANT
(BY OTHERS)

SEE HORIZ. VIEW FOR
WATER DIVERTER INFO
1" GLAZING

1/4"
2"
D.L.O.
RS-2 STEEL REINF.
AS REQ'D

FG-3297 MULLION

FS-8 (#14 X 1" HH SLOTTED)
ASS'Y SCREW TYP.

FG-3284 FILLER

1" GLAZING

SEE HORIZ. VIEW FOR
WATER DIVERTER INFO

D.L.O.  2"  D.L.O.

Series 3000 - Thermal MultiPlane - Front Set
Heavy Vertical - V4105

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com

V4105-Vertical-Heavy
Series 3000 - Thermal MultiPlane - Front Set
Intermediate Vertical - V4106
Series 3000 - Thermal MultiPlane - Front Set
Expansion Vertical - V4107

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

1" GLAZING

D.L.O.  2 1/4"  D.L.O.

CW-998 GASKET (FRONT AND REAR)

FG-1133 TYP.

FS-8 (#14 X 1" HH SLOTTED) ASS’Y SCREW TYP.

FG-3326

FG-3327

FG-3326

1" GLAZING

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com

V4107-Expansion-Vertical
1" GLAZING

FG-3300 (BOTH SIDES)

FS-6 (#10 X 3/4" PPH)

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

CONT. SEAL (BY OTHERS)

FS-8 (#14 X 1" HH SLOTTED) ASS'Y SCREW TYP.

CONT. SEAL (BY OTHERS)

FG-1133 TYP.

2 1/4" D.L.O.

Series 3000 - Thermal MultiPlane - Front Set
135° Outside Corner - V4110
Series 3000 - Thermal MultiPlane - Front Set
90° Outside Corner - V4111

1" GLAZING

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

D.L.O.

FS-8 (#14 X 1" HH SLOTTED) ASS'Y SCREW TYP.

FG-3301

FG-3302

FG-1133 TYP.

September 2018
1-866-OLDCASTLE (653-2278) www.obe.com
Series 3000 - Thermal MultiPlane - Front Set
135° Inside Corner - V4114