# SERIES 3000 THERMAL MULTIPLANE STOREFRONT

2" X 4-1/2" / 1" GLAZING / BACK SET

<table>
<thead>
<tr>
<th>Elev-Series-3000-MP-BackSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>H0950-SubSill-Splice-EndDam</td>
</tr>
<tr>
<td>H4501-Hrz-OutsideGlz</td>
</tr>
<tr>
<td>H4502-Head-OutsideGlz</td>
</tr>
<tr>
<td>H4503-Sill</td>
</tr>
<tr>
<td>H4509-Sill-Option</td>
</tr>
<tr>
<td>H4512-Head-w-Receptor</td>
</tr>
<tr>
<td>H4514-Hrz-InsideGlz</td>
</tr>
<tr>
<td>H4515-Head-InsideGlz</td>
</tr>
<tr>
<td>H4519-Horiz-at-OpWin</td>
</tr>
<tr>
<td>H4543-Sill-High-SdltBase</td>
</tr>
<tr>
<td>H4548-Glass-Options</td>
</tr>
</tbody>
</table>

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>V4502-Jamb-ScrSpln</td>
</tr>
<tr>
<td>V4505-Vertical-Heavy</td>
</tr>
<tr>
<td>V4506-Vertical-ScrSpln</td>
</tr>
<tr>
<td>V4507-Expansion-Vertical</td>
</tr>
<tr>
<td>V4510-135-Outside-Corner</td>
</tr>
<tr>
<td>V4511-90-Outside-Corner</td>
</tr>
<tr>
<td>V4512-90-Inside-Corner</td>
</tr>
<tr>
<td>V4514-135-Inside-Corner</td>
</tr>
</tbody>
</table>
Series 3000 Thermal Multiplane - Back Set
2" x 4-1/2" w/ 1" Glazing - Elevation
Series 3000 - Thermal MultiPlane
Sub-Sill Splice & End Dam - H0950

Note: Ref installation manual for additional splice & end dam info.
Series 3000 - Thermal MultiPlane - Back Set
Intermediate Horizontal - H4501

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)

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

1" GLAZING

FG-3290 GLASS STOP

FG-1133 TYP.

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

FG-3293 HORIZONTAL
Series 3000 - Thermal MultiPlane - Back Set
Head - H4502

ANCHOR BOLT, CAP SEALED (BY OTHERS)

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

SHIM, BACKER ROD & SEALANT (BY OTHERS)

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

FG-3290 GLASS STOP

FG-3291 HEAD

FG-1133 TYP.

1" GLAZING

D.L.O.

4 1/2"

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

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

2"
Series 3000 - Thermal MultiPlane - Back Set

Sill - H4503

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H4509-Sill-Option

Series 3000 - Thermal MultiPlane - Back Set
Sill Horizontal - H4509

- 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)

- FG-3223 SILL FLASHING

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

- CONT. SEAL (BY OTHERS)

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

- FG-3280 SILL

- FG-1133 TYP.

- 1/4" WEEP HOLES @ MID-LITES

- SHIM, BACKER ROD & SEALANT (BY OTHERS)

- ANCHOR BOLT, CAP SEALED (BY OTHERS)
Series 3000 - Thermal MultiPlane - Back Set
Head Horizontal - H4512

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)

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

ANCHOR BOLTS, CAP SEALED (BY OTHERS)

SHIM, BACKER ROD & SEALANT (BY OTHERS)

FG-3290 GLASS STOP

FG-3291 HEAD

DG-1133 TYP.

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

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

1" GLAZING

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

1 1/2" GLAZING

4 1/2"
Series 3000 - Thermal MultiPlane - Back Set
Intermediate Horizontal - H4514

FG-3295 GLAZING BEAD

FG-1000-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)

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

FG-1133 TYP.

FG-3294 HORIZONTAL

FG-3284 FILLER

2" D.L.O.

4 1/2" 1" GLAZING

2" D.L.O.
Series 3000 - Thermal MultiPlane - Back Set
Head - H4515

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

SHIM, BACKER ROD & SEALANT (BY OTHERS)

ANCHOR BOLT, CAP SEALED (BY OTHERS)

2"

FG-3296 HEAD

FG-3000-FP-31 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)

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

FG-3295 GLAZING BEAD

FG-1133 TYP.

1" GLAZING

ACCESS HOLE

D.L.O.

4 1/2"

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

3/8" W/ D.L.O.

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H4515-Head-InsideGlz
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)

2"

4 1/2"

1" GLAZING

Series 3000 - Thermal MultiPlane - Back Set
Horizontal at Operable Window - H4519

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

FG-3126 ALUM. FILLER (STD)

FG-3294 HORIZONTAL

FG-3295 GLAZING BEAD

FG-3284 FILLER

FG-1133 TYP.

1" GLAZING

FG-3218 PVC POCKET FILLER OPTION

FG-3284 PVC POCKET FILLER OPTION

2"

4 1/2"
Series 3000 - Thermal MultiPlane - Back Set
Glass Options - H4548

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H4548-Glass-Options
Series 3000 - Thermal MultiPlane - Back Set
Jamb Vertical - V4502

anchor bolt, cap sealed (by others)

end dam @ sill flashing set in sealant (by others)

FG-2122 alum. filler
4" long @ anchors, run
FG-2188 vinyl filler between (optional)

access hole

backer rod & sealant (by others)

1" glazing

see horiz. view for water diverter info

FG-1133 typ.

FG-3280 jamb

fs-8 (#14 x 1" hh slotted) ass'y screw typ.

1/4"

2"

D.L.O.
SEE HORIZ. VIEW FOR WATER DIVERTER INFO

1" GLAZING

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

FG-3284 FILLER

RS-2 STEEL REINF. AS REQ'D

FG-3297 MULLION

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

Series 3000 - Thermal MultiPlane - Back Set
Heavy Vertical - V4505

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Series 3000 - Thermal MultiPlane - Back Set
Vertical Mullion - V4506

1" GLAZING

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

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

FG-1133 TYP.

RS-2 STEEL REINF. AS REQ'D

FG-3284 FILLER

FG-3283 MULLION

D.L.O.  2"  D.L.O.
Series 3000 - Thermal MultiPlane - Back Set
Expansion Vertical - V4507

CW-998 GASKET (FRONT AND REAR)

1" GLAZING

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

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

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

FG-1133 TYP.

FG-3327

FG-3326

FG-3326

4 1/2"

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V4507-Expansion-Vertical
Series 3000 - Thermal MultiPlane - Back Set
135° Outside Corner - V4510

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

CONT. SEAL (BY OTHERS)

1 1/4"

1" GLAZING

D.L.O.

3 1/8"

3 1/8"

ACCESS HOLES

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

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

FG-3303

FG-3304

FG-1133 TYP.

FG-3305 FILLER

D.L.O.
Series 3000 - Thermal MultiPlane - Back Set
90° Inside Corner - V4512

1" GLAZING

SEE HORIZ. VIEW FOR WATER DIVERTER INFO

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

FG-3302

FG-3301

FG-1133 TYP.

1" GLAZING

4 1/2"

1/2" D.L.O.

5"

4 1/2"

1/2" D.L.O.

4 1/2"

1/2" D.L.O.

1/2" D.L.O.

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V4512-90-Inside-Corner
Series 3000 - Thermal MultiPlane - Back Set
135° Inside Corner - V4514

1" Glazing

Cont. Seal (by Others)

FG-1133 TYP.

See HORIZ. VIEW FOR WATER DIVERTER INFO

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

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

Cont. Seal (by Others)

D.L.O.

3/8"

4 1/2"

2 1/4"