RELIANCE™ CURTAIN WALL W/ FRP PRESSURE PLATE
2-1/2" X 6-1/4" / 1" GLAZING

Elev-RcwFRP-625

**Horizontal Details**
- H3201 Head
- H3204 Sill
- H3205 Typical Horizontal
- H3208 Roll-Over Horizontal
- H3209 Roll-Under Horizontal
- H3218 Pocket Frame Operable Window
- H3219 Flat Frame Operable Window

**Corner Details**
- V3217 90° Inside Corner
- V3221 90° Outside Corner

**Misc. Details**
- H0042 Steel Anchor
- H3146 Spandrel Glazing Options
- H3148 Vision Glazing Options
- H3421 Shear Block Anchor
- H3425 'F' & 'T' Mullion Anchor
- H3430 Steel Reinforcement
- H3443 Mullion Splicing

**Vertical Details**
- V3201 Jamb - Open Back
- V3202 Typical Vertical
- V3205 Heavy Vertical
- V3208 Jamb - Tubular
Note: For Door Models visit: http://www.obe.com/products/entrances/swing-entrances/standard-ns-212ms-375ws-500-door-and-frame

Reliance™ Curtain Wall w/ FRP Pressure Plate
2-1/2" x 6-1/4" w/ 1" Glazing - Elevation

July 2019
1-866-OLDCASTLE (653-2278) www.obe.com
Reliance™ Curtain Wall w/ FRP Pressure Plate
Head at Vision - H3201

- WW-181-01 SHEAR BLOCK @ JAMB & MULLIONS
  ATTACH TO VERTICALS W/ FS-9,
  ATTACH TO HORIZONTALS W/ FS-115. SEAL PRIOR TO
  INSTALLING HORIZONTAL. SEE TOP VIEWS FOR SHEAR
  BLOCKS @ CORNERS.

- WW-401 HEAD

- AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
  LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
  FIELD ATTACH W/ FS-325 @ 9" O.C.

- 5/16" WEEP HOLE @ C.L. OF D.L.O.

- GP-103 GASKETS TYP.

- 1" GLAZING

- 6 1/4"

- BACKER ROD & SEALANT (BY OTHERS)

- PIPE SLEEVE ANCHOR (BY OTHERS)

- SEE TOP VIEWS FOR MULLION CAP INFO

- WW-104-01 SHEAR BLOCK ANCHOR
  SEE TOP VIEW FOR "T" ANCHOR OPTION

- WW-216 FACE CAP

- 1/2"

- 2 1/2"

- D.L.O.

July 2019
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WW-402 SILL

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
FIELD ATTACH W/ FS-325 @ 9" O.C.

5/16" WEEP HOLE @ C.L. OF D.L.O.

1" GLAZING ON GP-109 SETTING BLOCK

GP-103 GASKETS TYP.

BACKER ROD & SEALANT (BY OTHERS)

SEE TOP VIEW FOR MULLION CAP INFO

SHIM (BY OTHERS)

WW-104-01 SHEAR BLOCK ANCHOR SEE TOP VIEW FOR "T" ANCHOR OPTION

WW-181-01 SHEAR BLOCK @ JAMB & MULLIONS
ATTACH TO VERTICALS W/ FS-9, ATTACH TO HORIZONTALS W/ FS-115.
SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEWS FOR SHEAR BLOCKS @ CORNERS.

Reliance™ Curtain Wall w/ FRP Pressure Plate
Sill at Vision - H3204

July 2019
1-866-OLDCASTLE (653-2278) www.obe.com

H3204-Sill-Horizontal
Reliance™ Curtain Wall w/ FRP Pressure Plate
Intermediate Horizontal at Vision - H3205

1" GLAZING ON GP-109
SETTING BLOCK

WW-181-01 SHEAR BLOCK
ATTACH TO VERTICAL W/ FS-9, ATTACH TO HORIZONTAL W/ FS-115. SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEW FOR SHEAR BLOCK AT CORNERS.

WW-400 HORIZONTAL

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
FIELD ATTACH W/ FS-325 @ 9" O.C.

GP-103 GASKETS TYP.

5/16" WEEP HOLE @ C.L. OF D.L.O.

2 1/2"

D.L.O.

WW-216 FACE CAP

6 1/4"

WW-216 FACE CAP

D.L.O.

D.L.O.

Reliance™ Curtain Wall w/ FRP Pressure Plate
Intermediate Horizontal at Vision - H3205
Reliance™ Curtain Wall w/ FRP Pressure Plate
Roll-over Horizontal at Vision - H3208

1" GLAZING ON GP-109 SETTING BLOCK

WW-181-01 SHEAR BLOCK
ATTACH TO VERTICAL W/ FS-9, ATTACH TO HORIZONTAL W/ FS-115. SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEW FOR SHEAR BLOCK AT CORNERS.

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
FIELD ATTACH W/ FS-325 @ 9" O.C.

5/16" WEEP HOLE @ C.L. OF D.L.O.

GP-103 GASKETS TYP.

WW-236 SNAP COVER

WW-432 HORIZONTAL

6 1/4"
Reliance™ Curtain Wall w/ FRP Pressure Plate
Roll-under Horizontal at Vision - H3209

1" GLAZING ON GP-109
SETTING BLOCK

WW-181-01 SHEAR BLOCK
ATTACH TO VERTICAL W/ FS-9, ATTACH TO HORIZONTAL W/ FS-115. SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEW FOR SHEAR BLOCK AT CORNERS.

WW-216 FACE CAP

WW-236 SNAP COVER

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
FIELD ATTACH W/ FS-325 @ 9" O.C.

GP-103 GASKETS TYP.

5/16" WEEP HOLE @ C.L. OF D.L.O.

WW-433 HORIZONTAL

6 1/4"
"POCKET FRAME" OPERABLE WINDOW. GO TO OBE.COM/PRODUCTS/ARCHITECTURAL-WINDOWS FOR THE MOST CURRENT DETAILS AND VENT OPTIONS.

Reliance™ Curtain Wall w/ FRP Pressure Plate
Horizontal at Operable Window - H3218

GP-103
GASKETS TYP.

WW-400 HORIZONTAL

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
FIELD ATTACH W/ FS-325 @ 9" O.C.

5/16" WEEP HOLE @ C.L. OF D.L.O.

Reliance™ Curtain Wall w/ FRP Pressure Plate
Horizontal at Operable Window - H3218
"FLAT FRAME" OPERABLE WINDOW. GO TO OBE.COM/PRODUCTS/ARCHITECTURAL-WINDOWS THE MOST CURRENT DETAILS AND VENT OPTIONS.

Reliance™ Curtain Wall w/ FRP Pressure Plate
Horizontal at Operable Window - H3219

WW-122 POCKET FILLER
SET IN SEALANT.
ATTACH W/ CAP SEALED FS-322 @ 18" O.C.

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR.
LOCATE 5/16" WEEP HOLES @ 1/4 PTS.
FIELD ATTACH W/ FS-325 @ 9" O.C.

5/16" WEEP HOLE @ C.L. OF D.L.O.

GP-103 GASKETS TYP.

WW-400 HORIZONTAL

6 1/4"

2 1/2"
**Reliance™ Curtain Wall w/ FRP Pressure Plate**

**Open Back Jamb Vertical - V3201**

- WW-402 JAMB
- WW-216 FACE CAP
- WW-338-01 MULLION CAP ATTACH W/ FS-320
- WW-104-01 SHEAR BLOCK ANCHOR
- WW-181-01 SHEAR BLOCK
- 1" GLAZING
- 1/2" FACE CAP
- 2 1/2" FACE CAP
- AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR FIELD ATTACH W/ FS-325 @ 9" O.C.
- GP-103 GASKETS TYP.
- BACKER ROD & SEALANT (BY OTHERS)
- D.L.O.

*July 2019*
WW-400 MULLION

WW-102-03 "T" ANCHOR

WW-181-01 SHEAR BLOCKS

WW-325 MULLION CAP
ATTACH W/ FS-320

GP-103
GASKETS TYP.

WW-216
FACE CAP

AW-162 PRESSURE PLATE W/
GP-107 ISOLATOR
FIELD ATTACH W/ FS-325 @ 9" O.C.

1" GLAZING

6 1/4"

D.I.O.

2 1/2"

D.I.O.

Reliance™ Curtain Wall w/ FRP Pressure Plate
Typical Vertical Mullion - V3202
Reliance™ Curtain Wall w/ Pressure Plate
Heavy Vertical Mullion - V3205

WW-410 MULLION
WW-102-04 "T" ANCHOR
WW-181-01 SHEAR BLOCKS

WW-325 MULLION CAP
ATTACH W/ FS-320

GP-103 GASKETS TYP.
AW-162 PRESSURE PLATE W/
GP-107 ISOLATOR
FIELD ATTACH W/ FS-325 @ 9" O.C.

1" GLAZING

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

July 2019
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V3205-Vertical-Heavy-Mullion
Reliance™ Curtain Wall w/ FRP Pressure Plate
Tubular Jamb Vertical - V3208

July 2019

WW-403 JAMB

WW-103-03 "F" ANCHOR

WW-181-01 SHEAR BLOCK

1" GLAZING

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR FIELD ATTACH W/ FS-325 @ 9" O.C.

D.L.O.

GP-103 GASKETS TYP.

WW-338-01 MULLION CAP ATTACH W/ FS-320

BACKER ROD & SEALANT (BY OTHERS)

FS-55 (2)

WW-103-03 "F" ANCHOR

1/2" 2 1/2"

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

V3208-Jamb-Mullion-Tubular
Reliance™ Curtain Wall w/ FRP Pressure Plate
90° Inside Corner - V3217
Reliance™ Curtain Wall w/ FRP Pressure Plate

90° Outside Corner at Vision - V3221

July 2019
Standard Curtain Wall
Steel Anchor - H0042

July 2019

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HOLE IN ANCHOR @ DEAD LOAD
SLOT IN ANCHOR @ WIND LOAD

WELD AS REQUIRED BY INSTALLER

FLOOR SLAB OR BEAM
WW-2223 JAMB ANCHOR PLATE
ATTACH W/ (6) FS-336 (1/4"-20 X 1-1/8" HWH DRILL FLEX)

Plan View
Jamb Option

Plan View
Intermediate Mullion

Plan View
Jamb Option

Plan View
Single Mull Corners

ANCHOR BOLT
(BY OTHERS)

ACCESS HOLE

STEEL ANCHOR
DESIGN DETERMINED
BY ENGINEER. SEE
APPROVED SHOP
DRAWINGS.

Floor Slab or Beam
WW-2223 Jamb Anchor Plate
Attach w/ (6) FS-336 (1/4"-20 x 1-1/8" HWH Drill Flex)

Access Hole

Steel Anchor
Design Determined
By Engineer. See
Approved Shop
Drawings.

Anchor Bolt
(By Others)

Weld as Required by Installer

Intermediate Mullion

Single Mull Corners
NOTES:
1. AW-162 FRP pressure plate w/ GP-107 isolator typical
2. GP-110 setting block typical, (GP-126 at 1/2" and 9/16" glazing)
3. Glass pocket with adaptor = 3/4" (1" glass pocket at 1/2" and 9/16" glazing)
4. Adaptors/glazing beads set in sealant (sealant by others).

GLASS CHART

<table>
<thead>
<tr>
<th>GLAZING THICKNESS</th>
<th>GASKET EXTERIOR</th>
<th>GASKET INTERIOR</th>
<th>GLAZING ADAPTOR</th>
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<tbody>
<tr>
<td>3/16&quot; (.1875)</td>
<td>GP-118</td>
<td>GP-103</td>
<td>WW-130</td>
</tr>
<tr>
<td>1/4&quot; (.250)</td>
<td>GP-103</td>
<td>GP-103</td>
<td>WW-130</td>
</tr>
<tr>
<td>5/16&quot; (.3125)</td>
<td>GP-117</td>
<td>GP-103</td>
<td>WW-130</td>
</tr>
<tr>
<td>5/8&quot; (.375)</td>
<td>GP-117</td>
<td>GP-117</td>
<td>WW-130</td>
</tr>
<tr>
<td>1/2&quot; (.500)</td>
<td>GP-103</td>
<td>GP-103</td>
<td>&quot;WW-1128&quot;</td>
</tr>
<tr>
<td>9/16&quot; (.5625)</td>
<td>GP-103</td>
<td>GP-103</td>
<td>&quot;WW-1318&quot;</td>
</tr>
</tbody>
</table>

*Non-stock item

Reliance™ Curtain Wall w/ FRP Pressure Plate
Glazing Adaptors & Spandrel Options - H3146

July 2019
1-866-OLDCASTLE (653-2278) www.obe.com
Reliance™ Curtain Wall w/ FRP Pressure Plate
Vision Glass Options - H3148

NOTES:
1. AW-162 FRP pressure plate w/ GP-107 isolator typical
2. GP-109 setting block typical
3. Glass Pocket = 1-1/2" (typical)

GLASS CHART

<table>
<thead>
<tr>
<th>GLAZING THICKNESS</th>
<th>GASKET EXTERIOR</th>
<th>GASKET INTERIOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/8&quot; (0.875)</td>
<td>GP-118</td>
<td>GP-118</td>
</tr>
<tr>
<td>15/16&quot; (0.9375)</td>
<td>GP-118</td>
<td>GP-103</td>
</tr>
<tr>
<td>1&quot;</td>
<td>GP-103</td>
<td>GP-103</td>
</tr>
<tr>
<td>1-1/16&quot; (1.0625)</td>
<td>GP-117</td>
<td>GP-103</td>
</tr>
<tr>
<td>1-1/8&quot; (1.125)</td>
<td>GP-117</td>
<td>GP-117</td>
</tr>
</tbody>
</table>
TYPICAL SHEAR BLOCK

NOTE:
1. ANCHOR BOLT DESIGNED BY STRUCTURAL ENGINEER.
2. WWW-104-01 ALUM. ANCHOR MAXIMUM ALLOWABLE END REACTION IS 375 LBS. PER ANCHOR, I.E. 375 LBS. AT JAMB VERTICAL, 750 LBS. AT INTERMEDIATE VERTICAL.

Reliance™ Curtain Wall Shear Block Anchors - H3421
Reliance™ Curtain Wall
"F" & "T" Anchors - H3425

"F" ANCHOR CHART

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MULLION</th>
</tr>
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<tbody>
<tr>
<td>WW-103-01</td>
<td>WW-500 / WW-503 / WW-550 / WW-553</td>
</tr>
<tr>
<td>WW-103-02</td>
<td>WW-504 / WW-510 / WW-560</td>
</tr>
<tr>
<td>WW-103-03</td>
<td>WW-400 / WW-403 / WW-450 / WW-453</td>
</tr>
<tr>
<td>WW-103-04</td>
<td>WW-404 / WW-410 / WW-460</td>
</tr>
<tr>
<td>WW-106-01</td>
<td>WW-800 / WW-804 / WW-850</td>
</tr>
<tr>
<td>WW-106-02</td>
<td>WW-810</td>
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</tbody>
</table>

"T" ANCHOR CHART

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MULLION</th>
</tr>
</thead>
<tbody>
<tr>
<td>WW-102-01</td>
<td>WW-500 / WW-550</td>
</tr>
<tr>
<td>WW-102-02</td>
<td>WW-504 / WW-510 / WW-560</td>
</tr>
<tr>
<td>WW-102-03</td>
<td>WW-400 / WW-450</td>
</tr>
<tr>
<td>WW-102-04</td>
<td>WW-404 / WW-410 / WW-460</td>
</tr>
<tr>
<td>WW-102-05</td>
<td>WW-240 (90° CORNER)</td>
</tr>
<tr>
<td>WW-102-06</td>
<td>WW-230 (135° CORNER)</td>
</tr>
<tr>
<td>WW-102-07</td>
<td>WW-241 (135° INSIDE SSG CORNER)</td>
</tr>
<tr>
<td>WW-105-01</td>
<td>WW-800 / WW-804 / WW-850</td>
</tr>
<tr>
<td>WW-105-02</td>
<td>WW-810</td>
</tr>
<tr>
<td>WW-105-06</td>
<td>WW-1175 (90° OUTSIDE CORNER)</td>
</tr>
</tbody>
</table>

NOTE:
1. ANCHOR BOLT SIZE AND LOCATION DETERMINED BY STRUCTURAL ENGINEER

PLAN VIEW
(2) FS-55 (#10 X 1/2" PPH)

NOTE:
SHIM UNDERNEATH MULLION (BY OTHERS)
ANCHOR BOLT (SEE NOTE)

HEAD
TYPICAL SHEAR BLOCK
JAMB
SILL

1 1/4"

"F" ANCHOR (SEE CHART)
"T" ANCHOR (SEE CHART)
SEE APPROVED SHOP DRAWINGS FOR SPECIFIC REQUIREMENTS.

REF. INSTALLATION MANUAL FOR ADDITIONAL INFO.

STEEL REINFORCING CHART

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>RS-19 (1 9/16&quot; X 4 13/16&quot; 10 GA.)</td>
</tr>
<tr>
<td>B</td>
<td>PP-16 (1 1/2&quot; X 4 1/4&quot; 10 GA.)</td>
</tr>
<tr>
<td>C</td>
<td>PP-17 (1 5/16&quot; X 3 3/4&quot; 10 GA.)</td>
</tr>
<tr>
<td>D</td>
<td>RS-18 (1 7/8&quot; X 4 11/16&quot; 10 GA.)</td>
</tr>
<tr>
<td>E</td>
<td>RS-22 (1 9/16&quot; X 3 9/16&quot; 10 GA.)</td>
</tr>
<tr>
<td>F</td>
<td>RS-21 (1 1/2&quot; X 3&quot; 10 GA.)</td>
</tr>
<tr>
<td>G</td>
<td>RS-23 (1 7/8&quot; X 3 7/16&quot; 10 GA.)</td>
</tr>
<tr>
<td>H</td>
<td>STEEL BAR OPTION (BY OTHERS)</td>
</tr>
<tr>
<td>J</td>
<td>1/4&quot;-20 X 3&quot; HEX HEAD BOLT</td>
</tr>
<tr>
<td></td>
<td>1/4&quot;-20 HEX NUT &amp; WASHERS</td>
</tr>
<tr>
<td>K</td>
<td>FS-259 (1/4&quot;-.20 X 1&quot; PFH)</td>
</tr>
</tbody>
</table>

Reliance™ Curtain Wall
Steel Reinforcement - H3430

July 2019