RELIANCE™-TC TYPE I (STD. HORIZONTALS & TC VERTICALS) w/ FRP Pressure Plates
2-1/2" X 6-1/4" W/ 1" TYPICAL INFILL

(Drawing numbers---i.e., H3201---used as CAD detail reference only)

Elevation

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

**Corner Details**
- V3265 90° Outside Corner - 2 Mullion
- V3267 90° Inside Corner - 2 Mullion
- V3271 90° Outside Corner
- V3290 SSG 90° Outside Corner Option 1
- V3291 SSG 90° Outside Corner Option 2

**Vertical Details**
- V3251 Jamb
- V3252 Typical Vertical
- V3255 Heavy Vertical
- V3259 Vertical at Operable Window
- V3282 SSG Vertical

**Misc. Details**
- H0042 Steel Anchoring
- H3421 Shear Block Anchoring
- H7425 'F' & 'T' Anchoring
- H7443 Mullion Splicing
- H7448 Spandrel Glazing Option

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Table of Contents
Reliance™-TC Type I - Standard Horizontals w/ FRP Pressure Plates and TC Verticals
2-1/2" x 6-1/4" w/ 1" Glazing - Elevation
Reliance™ Curtain Wall
Head at Vision - H3201

- WW-401 HEAD
- WW-104-01 SHEAR BLOCK ANCHOR (BY OTHERS)
- SEE SHEET H7425 FOR 'F' & 'T' ANCHORS

- WW-216
- AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR AND (2) 5/16" WEEP HOLES PER D.L.O.
- FIELD ATTACH W/ FS-325 @ 9" O.C.

- GP-103 GASKETS TYP.
- 1" GLAZING

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

- BACKER ROD & SEALANT (BY OTHERS)
- PIPE SLEEVE ANCHOR (BY OTHERS)
- SEE TOP VIEWS FOR MULLION CAP INFO

6 1/4"
2 1/2"
1/2"
Reliance™ Curtain Wall
Sill at Vision - H3204

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WW-402 SILL

WW-104-01 SHEAR BLOCK ANCHOR SEE SHEET H7425 FOR 'F' & 'T' ANCHORS

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

ANCHOR BOLT (BY OTHERS)

SHIM (BY OTHERS)

GP-103 GASKETS TYP.

BACKER ROD & SEALANT (BY OTHERS)

SEE TOP VIEW FOR MULLION CAP INFO

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

1/2" D.L.O.

2 1/2"

1 1/4"

1" GLAZING ON GP-109 SETTING BLOCK

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR AND (2) 5/16" WEEP HOLES PER D.L.O. 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

WW-181-01 SHEAR BLOCK ATTACH TO VERTICAL W/ FS-9, ATTACH TO HORIZONTAL W/ FS-115. SEAL PRIOR TO INSTALLING HORIZONTAL

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107 ISOLATOR AND (2) 5/16" WEEP HOLES PER D.L.O. FIELD ATTACH W/ FS-325 @ 9" O.C.

GP-103 GASKETS TYP.

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

WW-400 HORIZONTAL

Reliance™ Curtain Wall
Intermediate Horizontal at Vision - H3205

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H3205-Typical-Horizontal
Reliance™ Curtain Wall
Roll-over Horizontal at Vision - H3208

1" GLAZING ON GP-109
SETTING BLOCK

WW-216 FACE CAP

AW-162 PRESSURE
PLATE W/ GP-107
ISOLATOR AND (2) 5/16"
WEEP HOLES PER D.L.O.
FIELD ATTACH W/ FS-325
@ 9" O.C.

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

GP-103
GASKETS TYP.

WW-432 HORIZONTAL

WW-181-01 SHEAR BLOCK
ATTACH TO VERTICAL W/ FS-9, ATTACH
TO HORIZONTAL W/ FS-115. SEAL PRIOR
TO INSTALLING HORIZONTAL.

WW-236 SNAP COVER

6 1/4"

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

Reliance™ Curtain Wall
Horizontal at Operable Window - H3218

WW-216 FACE CAP

AW-162 PRESSURE PLATE W/ GP-107
ISOLATOR AND (2) 5/16" WEEP HOLES PER D.L.O.
FIELD ATTACH W/ FS-325 @ 9" O.C.

GP-103 GASKETS TYP.

WW-400 HORIZONTAL

6 1/4"
Reliance™ Curtain Wall
Horizontal at Operable Window - H3219

WW-216 FACE CAP
WW-122 POCKET FILLER
SET IN SEALANT.
ATTACH W/ CAP SEALED
FS-322 @ 18" O.C.

AW-162 PRESSURE
PLATE W/ GP-107
ISOLATOR AND (2) 5/16"
WEEP HOLES PER D.L.O.
FIELD ATTACH W/ FS-325
@ 9" O.C.

GP-103
GASKETS TYP.

"FLAT FRAME" OPERABLE WINDOW. GO TO OBE.COM/
PRODUCTS/ARCHITECTURAL-WINDOWS THE MOST
CURRENT DETAILS AND VENT OPTIONS.

WW-400 HORIZONTAL

2 1/2"
6 1/4"

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H3219-Flat-Frame-OperWin
WW-343 MULLION CAP, MODIFIED FOR JAMB. ATTACH W/ FS-320 DRIVE SCREWS

WW-341 VINYL POCKET FILLER

BACKER ROD & SEALANT (BY OTHERS)

WW-364 ZONE PLUG

WW-438 MULLION

SHEAR BLOCK @ HORIZONTALS (SEE HORIZ. DETAILS FOR MORE INFORMATION)

GP-103 INTERIOR FIXED GASKET, GP-113 EXTERIOR WEDGE GASKET

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

1" GLAZING

Reliance™-TC Type I
Jamb - V3251

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Reliance™-TC Type I
Intermediate Vertical - V3252

WW-438 MULLION

WW-364 ZONE PLUG (DEEP POCKET), WW-365 ZONE PLUG (SHALLOW POCKET)

WW-343 MULLION CAP, ATTACH W/ FS-320 DRIVE SCREWS

WW-110 FACE CAP

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

GP-103 INTERIOR FIXED GASKETS, GP-113 EXTERIOR WEDGE GASKETS

SHEAR BLOCKS @ HORIZONTALS (SEE HORIZ. DETAILS FOR MORE INFORMATION)

1" GLAZING
WW-431 MULLION

WW-364 ZONE PLUG (DEEP POCKET), WW-365 ZONE PLUG (SHALLOW POCKET)

WW-343 MULLION CAP, ATTACH W/ FS-320 DRIVE SCREWS

SHEAR BLOCKS @ HORIZONTALS (SEE HORIZ. DETAILS FOR MORE INFORMATION)

GP-103 INTERIOR FIXED GASKETS, GP-113 EXTERIOR WEDGE GASKETS

WW-110 FACE CAP

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

1" GLAZING

Reliance™-TC Type I
Heavy Vertical - V3255
Reliance™-TC Type I
Vertical at Operable Window - V3259

ZERO SIGHTLINE FLAT FRAME OPERABLE WINDOW. GO TO www.obe.com/products/architectural-windows FOR THE MOST CURRENT AVAILABLE VENT OPTIONS.

WW-438 MULLION
GP-103 INTERIOR FIXED GASKETS, GP-113 EXTERIOR WEDGE GASKETS

WW-128 POCKET FILLER, SET IN SEALANT

WW-110 FACE CAP

D.L.O. 2 1/2"
Reliance™-TC Type I
SSG Vertical - V3282

WW-404 MULLION

WW-327 MULLION CAP,
WW-300 ZONE BRIDGE

GP-105 SPACER
GASKETS W/ STRUCT.
SILICONE SEALANT
(SEALANT BY OTHERS)

1" GLAZING

1/2" GLAZING

WW-181-01 SHEAR
BLOCKS @
HORIZONTALS

BACKER ROD & SEALANT
(BY OTHERS)

LINE OF HORIZONTAL FACE CAP

LINE OF HORIZONTAL FACE CAP

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

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V3282-SSG-Vertical
Reliance™-TC Type I
90° Outside Corner - V3265

Additional components and instructions:
- WW-438 Mullions
- WW-341 Vinyl Pocket Fillers
- WW-364 Zone Plugs
- WW-343 Mullion Caps, modified for jamb
- AN-1 Angles, shop attached @ head & sill for perimeter seal
- AN-2 Angle
- 1/4" Shims (or tape) for thermal break
- WW-110 Face Caps
- 1/8" Formed Alum. Closure
- Backer Rod & Sealant (by others)
- 1" Glazing
- GP-103 Interior Fixed Gaskets, GP-113 Exterior Wedge Gaskets
- Shear Blocks @ horizontal (see horiz. details for more information)
- 2 1/2" D.L.O.
- 5 3/4" D.L.O.
- 1/2" 5 3/4"
Reliance™-TC Type I
90° Inside Corner - V3267
Reliance™-TC Type I
90° Outside Corner - V3271

AW-270 MULLION

WW-180-01 SHEAR BLOCKS

WW-102-22 ‘T’ ANCHOR @ HEAD & SILL

AW-309 ZONE PLUGS

WW-323 MULLION CAP @ HEAD & SILL, ATTACH W/ FS-320 DRIVE SCREWS

AW-118 FACE CAPS

1” GLAZING

AW-162 PRESSURE PLATES & GP-108 ISOLATORS, FIELD ATTACH W/ FS-325 @ 9” O.C.

CONT. SEAL (BY OTHERS)

GP-103 GASKETS TYP.

4” D.L.O.

6 1/4”

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V3271-90-Outside-Corner
Reliance™-TC Type I
SSG 90° Outside Corner w/ Cap - V3290

GP-105 SPACER GASKETS & STRUCT. SILICONE SEALANT (SEALANT BY OTHERS)

BACKER RODS & SEALANT (BY OTHERS)

WW-169 MULLION ADAPTOR W/ GP-107 ISOLATOR FIELD ATTACH W/ FS-325 @ 9" O.C.

WW-116 FACE CAP

WW-323 MULLION CAP, WW-312 ZONE BRIDGE

LINE OF HORIZONTAL FACE CAP

D.L.O. 4 1/32" 1 1/2" 1" 2 1/2"

WW-323 MULLION CAP, WW-312 ZONE BRIDGE
Reliance™-TC Type I
SSG 90° Outside Corner - V3291

GP-105 SPACER GASKETS & STRUCT. SILICONE SEALANT (SEALANT BY OTHERS)

1" GLAZING

BACKER ROD & SEALANT (BY OTHERS)

WW-323 MULLION CAP, WW-312 ZONE BRIDGE

WW-180-01 SHEAR BLOCKS @ HORIZONTALS

LINE OF HORIZONTAL FACE CAP

1 5/8"

4 1/32" D.L.O.

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V3291-SSG-90-OSC
**Standard Curtain Wall**  
**Steel Anchor - H0042**

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)

ACCESS HOLE

ANCHOR BOLT (BY OTHERS)

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

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

Plan View  
Jamb Option

Plan View  
Intermediate Mullion

Plan View  
Single Mull Corners

Plan View  
Jamb Option

Side View

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H0042-Steel-Anchor
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™-TC Type I
"F" & "T" Anchors - H7425

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"F" ANCHOR CHART

<table>
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<tr>
<th>PART NO.</th>
<th>MULLION</th>
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<tbody>
<tr>
<td>WW-103-05</td>
<td>WW-520/WW-538</td>
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<tr>
<td>WW-103-06</td>
<td>WW-420/WW-438</td>
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<tr>
<td>WW-103-07</td>
<td>WW-530/WW-531/WW-566</td>
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<tr>
<td>WW-103-08</td>
<td>WW-430/WW-431/WW-466</td>
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"T" ANCHOR CHART

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<tbody>
<tr>
<td>WW-102-02</td>
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<td>WW-520/WW-538</td>
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<td>WW-102-09</td>
<td>WW-420/WW-438</td>
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<td>WW-102-10</td>
<td>WW-530/WW-531/WW-566</td>
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<td>WW-102-11</td>
<td>WW-430/WW-431/WW-466</td>
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<td>WW-102-13</td>
<td>WW-234</td>
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<td>WW-102-14</td>
<td>WW-233</td>
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<tr>
<td>WW-102-22</td>
<td>AW-270</td>
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NOTE:
1. ANCHOR BOLT SIZE AND LOCATION DETERMINED BY STRUCTURAL ENGINEER
Reliance™-TC Type I
Mullion Splice - H7443

SPLICE CENTERLINE

NOTE: OMIT UPPER FASTENERS AT EXPANSION SPLICE

SUNSHADE MULLION

6" SYSTEM DEPTH

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<tr>
<th>MULLION</th>
<th>REAR SPLICE</th>
<th>FRONT SPLICE</th>
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<tr>
<td>WW-420</td>
<td>CW-90</td>
<td>WW-203-01</td>
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<td>WW-430</td>
<td>CW-542</td>
<td>WW-203-01</td>
</tr>
<tr>
<td>WW-431</td>
<td>CW-542</td>
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<tr>
<td>WW-438</td>
<td>CW-90</td>
<td>WW-203-01</td>
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7-1/4" SYSTEM DEPTH

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<th>MULLION</th>
<th>REAR SPLICE</th>
<th>FRONT SPLICE</th>
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</thead>
<tbody>
<tr>
<td>WW-520</td>
<td>CW-66</td>
<td>WW-203-01</td>
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<td>WW-530</td>
<td>CW-1496</td>
<td>WW-203-01</td>
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<tr>
<td>AW-270</td>
<td>AW-129-01</td>
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REFERENCE INSTALLATION MANUAL FOR ADDITIONAL SPLICE INFO.
### GLAZING CHART

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<tr>
<th>INFILL THICKNESS</th>
<th>INTERIOR GASKET</th>
<th>EXTERIOR GASKET (VERTICALS)</th>
<th>EXTERIOR GASKET (HORIZONTALS &amp; CORNERS)</th>
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<tr>
<td>3/16&quot;</td>
<td>GP-103</td>
<td>GP-133</td>
<td>GP-118</td>
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<td>1/4&quot;</td>
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<td>GP-113</td>
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<tr>
<td>3/8&quot;</td>
<td>GP-117</td>
<td>GP-128</td>
<td>GP-117</td>
</tr>
</tbody>
</table>

### NOTES:
1. GP-110 SETTING BLOCK IS TYPICAL @ SPANDEL GLAZING U.N.O.
2. GLASS POCKET WIDTH WITH ADAPTOR = 3/4"
Reliance™-TC Type I
Vision Glazing Options - H7448

NOTES:
1. GLASS POCKET WIDTH = 1-1/2" TYP.
2. SETTING BLOCK = GP-109 TYP.

GLAZING CHART

<table>
<thead>
<tr>
<th>INFILL THICKNESS</th>
<th>INTERIOR GASKET</th>
<th>EXTERIOR GASKET (HORIZONTALS &amp; CORNERS)</th>
<th>EXTERIOR GASKET (VERTICALS)</th>
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<tbody>
<tr>
<td>7/8&quot; (0.875)</td>
<td>GP-118</td>
<td>GP-118</td>
<td>GP-133</td>
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<tr>
<td>15/16&quot; (0.9375)</td>
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<td>GP-103</td>
<td>GP-113</td>
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<tr>
<td>1&quot;</td>
<td>GP-103</td>
<td>GP-103</td>
<td>GP-113</td>
</tr>
<tr>
<td>1-1/16&quot; (1.0625)</td>
<td>GP-117</td>
<td>GP-103</td>
<td>GP-128</td>
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<td>GP-117</td>
<td>GP-117</td>
<td>GP-128</td>
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