## RELIANCE CURTAIN WALL
### 2-1/2" X 5-1/4" - 1/4" GLAZING

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<td>H3730 Steel Reinforcement</td>
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1-866-OLDCASTLE (653-2278) www.obe.com
Reliance™ Curtain Wall
2-1/2" x 5-1/4" w/ 1/4" Glazing - Elevation

July 2019

Note: For Door Models visit: http://www.obe.com/products/entrances/swing-entrances/standard-ns-212ms-375ws-500-door-and-frame
Reliance™ Curtain Wall
Head Horizontal at Vision - H3801

**Primary Seal and Backer Rod**
- Marry with Vertical Seal

**WW-104-01 Shear Block Anchor**
- See Top View for "T" Anchor Option

**WW-110 Face Cap**

**WW-162 Pressure Plate**
- W/ GP-108 Isolator
- Attach w/ FS-322 @ 9" O.C.

**5/16" Weep Hole**
- 2 Per D.L.O.

**WW-181-01 Shear Block**
- Attach to Horizontal w/ (2) FS-115,
- Attach to Vertical w/ (2) FS-9
- Seal Prior to Installing Horizontal. See Top Views for Shear Blocks at Corners.

**WW-451 Head**

**GP-103 Gaskets**

**1/4" Glazing**

**5 1/4"**

**1/2"**

**1 1/2"**

**SEE TOP VIEW FOR MULL CAP INFO**

**PIPE SLEEVE ANCHOR**

*BY OTHERS*
Reliance™ Curtain Wall
Sill Horizontal at Vision - H3804

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

WW-181-01 SHEAR BLOCK
ATTACH TO HORIZONTAL W/ (2) FS-115,
ATTACH TO VERTICAL W/ (2) FS-9.
SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEWS FOR SHEAR BLOCKS AT CORNERS.

GP-103 GASKETS TYP.

WW-452 SILL

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

WW-110 FACE CAP

WW-162 PRESSURE PLATE W/ GP-108 ISOLATOR
ATTACH W/ FS-322 @ 9" O.C.

GP-103 GASKETS TYP.

WW-181-01 SHEAR BLOCK
ATTACH TO HORIZONTAL W/ (2) FS-115,
ATTACH TO VERTICAL W/ (2) FS-9.
SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEWS FOR SHEAR BLOCKS AT CORNERS.

5/16" WEEP HOLE
(2) PER D.L.O.

1/2" SHIMS, BACKER RODS & SEALANT (BY OTHERS)

5/16" WEEP HOLE
(2) PER D.L.O.

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

SEE TOP VIEW FOR MULL CAP INFO

WW-110 FACE CAP

WW-162 PRESSURE PLATE W/ GP-108 ISOLATOR
ATTACH W/ FS-322 @ 9" O.C.

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

ANCHOR BOLT (BY OTHERS)
Reliance™ Curtain Wall
Intermediate Horizontal at Vision - H3805

1/4" GLAZING ON GP-110
SETTING BLOCKS (2) PER D.L.O.

WW-110
FACE CAP

5/16" WEEP HOLE
(2) PER D.L.O.

WW-162
PRESSURE PLATE W/ GP-108
ISOLATOR
ATTACH W/ FS-322 @ 9" O.C.

GP-103
GASKETS TYP.

WW-181-01 SHEAR BLOCK
ATTACH TO HORIZONTAL W/ (2) FS-115,
ATTACH TO VERTICAL W/ (2) FS-9.
SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEWS FOR SHEAR BLOCKS AT CORNERS.

WW-450 HORIZONTAL

2 1/2"

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

5 1/4"
Reliance™ Curtain Wall
Roll-Over Horizontal at Vision - H3808

1/4" GLAZING ON GP-110
SETTING BLOCKS
(2) PER D.L.O.

WW-110
FACE CAP

5/16" WEEP HOLE
(2) PER D.L.O.

WW-162
PRESSURE
PLATE W/ GP-108
ISOLATOR
ATTACH W/ FS-322 @ 9" O.C.

WW-482 HORIZONTAL

WW-236 SNAP COVER

GASKETS TYP.

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

WW-181-01 SHEAR BLOCK
ATTACH TO HORIZONTAL W/ (2) FS-115,
ATTACH TO VERTICAL W/ (2) FS-9.
SEAL PRIOR TO INSTALLING HORIZONTAL. SEE TOP VIEWS FOR SHEAR BLOCKS AT CORNERS.

GP-103

5 1/4"

5 1/4"
Zero-sightline type operable window. Go to www.obe.com/products/architectural-windows for the most current details and vent options available.

Reliance™ Curtain Wall
Horizontal at Operable Window - H3819

WW-124 Pocket Filler
Attach with FS-322

WW-110 Face Cap

WW-162 Pressure Plate with GP-108 Isolator
Attach with FS-322 @ 9" O.C.

5/16" Weep Hole (2) per d.l.o.

5/16" Weep Hole @ C.L. of D.L.O.

2 1/2" D.L.O.

5 1/4" HORIZONTAL

WW-181-01 Shear Block
Attach to Horizontal with (2) FS-115, Attach to Vertical with (2) FS-9.
Seal prior to installing Horizontal. See top views for shear blocks at corners.

GP-103 Gaskets Typ.

Reliance™ Curtain Wall
Horizontal at Operable Window - H3819
Reliance™ Curtain Wall
Open-Back Jamb Vertical - V3801

- WW-452 JAMB
- WW-104-01 SHEAR BLOCK ANCHOR
- WW-181-01 SHEAR BLOCK
- WW-162 PRESSURE PLATE W/ GP-108 ISOLATOR
  ATTACH W/ FS-322 @ 9" O.C.
- BACKER ROD & SEALANT (BY OTHERS)
- GP-103 GASKETS TYP.
- WW-110 FACE CAP
- 1/4" GLAZING
- WW-338-02 MULLION CAP ATTACH W/ FS-320
- NOTCH LEG TO CLEAR HOOK INSIDE JAMB
- 1/2" D.L.O.
- 2 1/2"
- 5 1/4"
Reliance™ Curtain Wall
Typical Vertical Mullion - V3802

WW-450 MULLION

WW-102-03 "T" ANCHOR

WW-181-01 SHEAR BLOCKS

WW-326 MULLION CAP
ATTACH W/ (2) FS-320

GP-103 GASKETS TYP.

WW-110 FACE CAP

WW-162 PRESSURE PLATE
W/ GP-108 ISOLATOR
ATTACH W/ FS-322 @ 9" O.C.

1/4" GLAZING

D.L.O. 2 1/2" D.L.O.
Reliance™ Curtain Wall
SSG Vertical Mullion - V3852

WW-404 MULLION

WW-102-04 "T" ANCHOR

WW-181-01 SHEAR BLOCKS

WW-301 ZONE BRIDGE

5 1/4"

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

LINE @ HORIZONTAL FACE CAP

1/4" GLAZING

2 1/2"

D.L.O.

D.L.O.
Reliance™ Curtain Wall

SSG Vertical Mullion @ SSG to Captured Transition - V3853

WW-404 MULLION

WW-181-01 SHEAR BLOCKS

WW-102-04 "T" ANCHOR

1/4" GLAZING

WW-142 MULL TONGUE ADAPTOR
ATTACH W/ FS-318, (3) PER LITE,
STAGGERED TO AVOID FS-322

GP-103 EXT. GASKETS

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

WW-328 MULL CAP
ATTACH W/ (2) FS-320

WW-110 FACE CAP

D.L.O.

2 1/2"

D.L.O.

WW-162 PRESSURE PLATE W/
GP-108 ISOLATOR
ATTACH TO TONGUE W/
FS-322. TORQUE FS-322 TO 40
IN-LBS THIS CONDITION ONLY

WW-181-01 SHEAR BLOCKS

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V3853-SSG-Vert-Mull-Captured
Reliance™ Curtain Wall
SSG Vertical at Operable Window - V3859

ZERO-SIGHTLINE TYPE OPERABLE WINDOW. GO TO www.obe.com/products/architectural-windows FOR THE MOST CURRENT DETAILS AND VENT OPTIONS AVAILABLE.
Reliance™ Curtain Wall
90° Outside Corner - V3815

1/8" FORMED ALUM. CLOSURE

1/8" GLAZING

WW-453 JAMBS

WW-103-03 "F" ANCHORS

WW-181-01 SHEAR BLOCKS

WW-162 PRESSURE PLATES
W/ GP-108 ISOLATORS
ATTACH W/ FS-322 @ 9" O.C.

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

5 1/4" 5 1/4"

GP-103 GASKETS TYP.

AN-2 ALUM. ANGLE
(1" X 1" X 1/8")

BACKER ROD & SEALANT
(BY OTHERS)

AN-1 ALUM. ANGLE
(3/4" X 3/4" X 1/8")

AN-1 ALUM. ANGLES
SHOP ATTACHED @ HEAD & SILL FOR PERIMETER SEALANT

WW-338-02 MULLION CAPS
ATTACH W/ FS-320

WW-110 FACE CAPS

WW-110 PRESSURE PLATES
W/ GP-108 ISOLATORS
ATTACH W/ FS-322 @ 9" O.C.

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

5 1/4" 5 1/4"
V3817-90-ISC-2mull

Reliance™ Curtain Wall
90° Inside Corner - V3817

VW-453 JAMBS

AN-1 ALUM. ANGLES (3/4" X 3/4" X 1/8")

1/8" FORMED ALUM. CLOSURES

AN-1 ALUM. ANGLES
SHOP ATTACHED @ HEAD & SILL FOR PERIMETER SEALANT

WW-181-01 SHEAR BLOCKS

FS-55 (2) PER ANCHOR LOCATION

WW-110 FACE CAPS

WW-338-02 MULLION CAPS
ATTACH W/ FS-320

COSMETIC SEAL, BACKER RODS & SEALANT BY OTHERS.

WW-162 PRESSURE PLATES W/ GP-108 ISOLATORS
ATTACH W/ FS-322 @ 9” O.C.

WWW-103-03 "F" ANCHORS

WW-162-01 FORMED ALUM. CLOSURES
Reliance™ Curtain Wall
90° Outside Corner - V3821

WWW-119 FACE CAPS
WWW-165 PRESSURE PLATE
ATTACH W/ FS-325
WWW-119 FACE CAPS
WWW-324 MULLION CAP
ATTACH W/ (2) FS-320
CONT. SEAL
(BY OTHERS)

GP-103 GASKETS TYP.

WWW-180-01 SHEAR BLOCKS

CW-823 FILLER

WW-240 MULLION

1/4" GLAZING

1/4" GLAZING

3"

D.L.O.

2 1/2"

5 1/4"

WWW-102-05 "T" ANCHOR

WW-324 MULLION CAP
ATTACH W/ (2) FS-320

WWW-240 MULLION
Reliance™ Curtain Wall
90° Inside Corner - V3825

WW-180-01 SHEAR BLOCKS
WW-102-05 "T" ANCHOR
WW-320 MULLION CAP ATTACH W/ (2) FS-320
WW-139 GLAZING ADAPTORS ATTACH W/ FS-322 @ 12" O.C.
1" GLAZING

GP-103 GASKETS TYP.
WW-143 PRESSURE PLATE W/ GP-108 ISOLATOR ATTACH W/ FS-322 @ 9" O.C.
WW-118 FACE CAP
WW-102-05 "T" ANCHOR

V3825-90-Inside-Corner
Reliance™ Curtain Wall
90° Outside SSG Corner - V3871

GP-105 GASKETS W/ STRUCTURAL SILICONE (SILICONE BY OTHERS)

BACKER ROD & SEALANT (BY OTHERS)

CW-823 FILLER

WW-240 MULLION

WW-180-01 SHEAR BLOCKS

WW-102-05 "T" ANCHOR

WW-324 MULLION CAP ATTACH W/ (2) FS-320

1/4" GLAZING

LINE AT HORIZONTAL FACE CAP

2 1/2" 5 1/4"

3/4" 9/16"
Reliance™ Curtain Wall
135° Outside SSG Corner - V3873

CW-823 FILLER
WW-230 MULLION
WW-180-02 SHEAR BLOCKS
WW-102-06 "T" ANCHOR
WW-322 MULLION CAP
ATTACH W/ (2) FS-320
GP-105 GASKETS & STRUCTURAL SILICONE (SILICONE BY OTHERS)
LINE AT HORIZONTAL FACE CAP

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V3873-SSG-135-Outside-Corner
Reliance™ Curtain Wall
90° Inside SSG Corner - V3875
Standard Curtain Wall
Steel Anchor - H0042

H0042-Steel-Anchor
PIE SLEEVE ANCHOR (BY OTHERS)

TYPICAL SHEAR BLOCK

WW-104-01 (TYPICAL)

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.
"F" ANCHOR CHART

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MULLION</th>
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<tr>
<td>WW-103-01</td>
<td>WW-500 / WW-503 / WW-550 / WW-553</td>
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<tr>
<td>WW-103-02</td>
<td>WW-504 / WW-510 / WW-560</td>
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<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>
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<tr>
<td>WW-106-01</td>
<td>WW-800 / WW-804 / WW-850</td>
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<tr>
<td>WW-106-02</td>
<td>WW-810</td>
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"T" ANCHOR CHART

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<th>PART NO.</th>
<th>MULLION</th>
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<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>
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<tr>
<td>WW-102-06</td>
<td>WW-230 (135° CORNER)</td>
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<tr>
<td>WW-102-07</td>
<td>WW-241 (135° INSIDE SSG CORNER)</td>
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<tr>
<td>WW-105-01</td>
<td>WW-800 / WW-804 / WW-850</td>
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<tr>
<td>WW-105-02</td>
<td>WW-810</td>
</tr>
<tr>
<td>WW-105-06</td>
<td>WW-1175 (90° OUTSIDE CORNER)</td>
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Reliance™ Curtain Wall
"F" & "T" Anchors - H3425

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NOTE:
1. ANCHOR BOLT SIZE AND LOCATION DETERMINED BY STRUCTURAL ENGINEER
Reliance™ Curtain Wall
Perimeter Anchor - H3729

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PRIMARY SEAL

COSMETIC SEAL

NOTCH ANCHORS @ JAMBS

PRIMARY SEAL

COSMETIC SEAL

ANCHOR BOLT (BY OTHERS)

BACKER RODS & SEALANT (BY OTHERS TYP.)

NOTCH VERTICALS TOP & BOTTOM

(COSMETIC SEAL)

(OMIT AT WEEPS, (2) WEEPS PER LITE)
SEE APPROVED SHOP DRAWINGS FOR SPECIFIC REQUIREMENTS.

RELANCE™ Curtain Wall
Steel Reinforcement - H3730

STEEL REINFORCING CHART

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

SEE APPROVED SHOP DRAWINGS FOR SPECIFIC REQUIREMENTS.
REF. INSTALLATION MANUAL FOR ADDITIONAL INFO.
Reliance™ Curtain Wall
Mullion Splice - H3743

5-1/4" SYSTEM DEPTH

MULLION | SPLICe
---------|---------
WW-450   | WW-229-01
WW-452   | WW-238-01
WW-453   | WW-229-01
WW-404   | WW-192-01
WW-460   | WW-192-01
WW-230   | WW-190-01
WW-240   | WW-191-01
WW-241   | WW-202-01

6-1/2" SYSTEM DEPTH

MULLION | SPLICe
---------|---------
WW-550   | WW-235-01
WW-552   | WW-239-01
WW-553   | WW-235-01
WW-504   | CW-74
WW-560   | CW-74
WW-230   | WW-190-01
WW-240   | WW-191-01
WW-241   | WW-202-01

REFERENCE INSTALLATION MANUAL FOR ADDITIONAL SPLICe INFO.

NOTE: OMIT UPPER FASTENERS AT EXPANSION SPLICE

SEALANT (BY OTHERS)
LINE AT GLAZING ADAPTOR
SPLICe CENTERLINE