## RELIANCE™ UNIT WALL - NON-CAPTURED - STRUCTURAL SILICONE GLAZED

2-1/2" X 7-1/4" W/ 1" GLAZING

(Drawing numbers---i.e., H1803---used as CAD detail reference only)

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Reliance™ Unit Wall
Dead Load Anchor @ Floor Slab - H1801

RU-768-FP-01 ANCHOR BRACKET (TYPICAL & INSIDE 90° CORNER)
SEE VERTICAL DETAIL FOR ATTACHMENT

UCW-309 ANCHOR SLOTTED FOR IN/OUT ADJUSTMENT

UCW-307-01 ANCHOR HOOK
FREEZE W/ #10 X 1/2" HWH

UCW-200 SERRATED WASHER
ISOLATOR

FS-346 THREADED INSERT

FS-347 (3/8"-16 X 5" SQUARE HD CUP BOLT) FOR UP/DOWN ADJUSTMENT.
FREEZE W/ FSN-81 (3/8"-16 HH NUT)

UCW-309 ANCHOR SLOTTED FOR IN/OUT ADJUSTMENT

UCW-387-01 ANCHOR HOOK
FREEZE W/ #10 X 1/2" HWH

UCW-200 SERRATED WASHER
ISOLATOR

BACK OF VERTICAL MULLION

1-1/2" NOM. @ OUTSIDE 90° CORNER
(SEE DETAIL V1603)

2" NOM. @ TYP. & INSIDE 90° CORNER

2 1/2" NOM.
Reliance™ Unit Wall
Wind Load Anchor @ Floor Slab - H1802

UCW-309 ANCHOR SLOTTED FOR IN/OUT ADJUSTMENT
UCW-309 ANCHOR HOOK FREEZE W/ #10 X 1/2" HWH
UCW-200 SERRATED WASHER
ISOLATOR
2 1/2" NOM.

2 1/2" NOM.

2" NOM. @ TYP. & INSIDE 90° CORNER
1 1/2" NOM. @ OUTSIDE 90° CORNER (SEE DETAIL V1603)

BACK OF VERTICAL MULLION

RU-768-FP-01 ANCHOR BRACKET (TYPICAL & INSIDE 90° CORNER)
SEE VERTICAL DETAIL FOR ATTACHMENT
Reliance™ Unit Wall

Typical Anchor @ Floor Slab - V1801

UCW-200 SERRATED WASHERS

(1) LATERAL RESTRAINT PER VERTICAL ANCHOR CONNECTION

UCW-309 ANCHOR PLATE ATTACHMENT, LENGTH & QTY. OF ATTACHMENT BOLTS TO BE PER PROJECT REQUIREMENT

UCW-387-01 ANCHOR HOOKS

FS-346 THREADED INSERT & FS-347 SQ. HD. BOLT (DEAD LOAD CONDITION ONLY, SEE DETAIL H1601)

RU-768-FP-1 ANCHOR BRACKETS ATTACH W/ (2) FS-289 HH BOLTS, (2) FSW-80 FLAT WASHERS, (2) FSW-83 LOCK WASHERS & (2) FSN-81 NUTS PER BRACKET

2 1/2" NOMINAL FACE OF SLAB TO BACK OF VERTICAL MULLIONS

2-1/2" NOMINAL FACE OF SLAB TO BACK OF VERTICAL MULLIONS

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V1801-Typical-Anchor
Reliance™ Unit Wall
Anchoring @ 90° Outside Corner - V1803

(1) LATERAL RESTRAINT PER VERTICAL ANCHOR CONNECTION

UCW-387-01 ANCHOR HOOKS
UCW-200 SERRATED WASHERS
1 1/2" NOMINAL
2 1/2" NOMINAL FACE OF SLAB TO BACK OF VERTICAL MULLIONS

FS-346 THREADED INSERT & FS-347 SQ. HD. BOLT (DEAD LOAD CONDITION ONLY, SEE DETAIL H1601)

RU-237-FP-01 ANCHOR BRACKETS ATTACH W/ (2) FS-289 HH BOLTS, (2) FSW-80 FLAT WASHERS, (2) FSN-81 LOCK WASHERS & (2) FSN-87 NUTS PER BRACKET

UCW-309 ANCHORS.
ATTACHMENT, LENGTH & QTY. OF ATTACHMENT BOLTS TO BE PER PROJECT REQUIREMENT.
Reliance™ Unit Wall
Anchoring @ 90° Inside Corner - V1805

UCW-200 SERRATED WASHERS
UCW-309 ANCHOR PLATES
ATTACHMENT, LENGTH & QTY. OF ATTACHMENT BOLTS TO BE PER PROJECT REQUIREMENT

2" NOMINAL
2 1/2" NOMINAL
FACE OF SLAB TO BACK OF VERTICAL MULLIONS

RU-768-FP-1 ANCHOR BRACKETS
ATTACH W/ (2) FS-289 HH BOLTS, (2) FSW-80 FLAT WASHERS, (2) FSW-83 LOCK WASHERS & (2) FSN-81 NUTS PER BRACKET

UCW-387-01 ANCHOR HOOKS
FS-346 THREADED INSERT & FS-347 SQ. HD. BOLT (DEAD LOAD CONDITION ONLY, SEE DETAIL H1601)
Reliance™ Unit Wall - Non-Captured SSG
Sunshade Anchoring at Jamb & Intermediate Verticals - H1840
Reliance™ Unit Wall - Non-Captured SSG
Sunshade Anchoring at 90° Outside Corner - H1844
Reliance™ Unit Wall - Non-Captured SSG
Sunshade Anchoring at Jamb Vertical - V1840

FS-8 ASS'Y
FASTENER TYP.

GP-498 GASKET W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

7 1/4"

RU-951 MULLION HALF

FS-310 W (1) FSW-76 SPACER WASHER PER BOLT (NOTE: WASHER NECESSARY AT JAMB CONDITION ONLY)

GP-498 GASKET W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

RU-233-FP-01 SUNSHADE BRACKET
NOTCH RU-951 MULLION TO CLEAR

SHOP SEAL ALONG LENGTH OF SUNSHADE ANCHOR

SPW-1482 TRIM CAP

GP-486 GASKET

3/4"

BACKER ROD & SEALANT (BY OTHERS)

GP-483 WEATHER GASKET

SHOP REMOVE GASKET LEG

RU-238-FP-01 THERMAL ISOLATOR

RU-957 PERIMETER FILLER W/ GP-487 ISOLATOR
ATTACH W/ FS-322 @ 12" O.C.

RU-952 MULLION HALF

RU-735-FP-01 JAMB BRACKET

RU-951 MULLION HALF

RU-239-FP-01 SUNSHADE BRACKET SUPPORT
ATTACH TO MULLION W/ (4) FS-42

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**Reliance™ Unit Wall - Non-Captured SSG**

**Sunshade Anchoring @ Intermediate Vertical - V1842**

- RU-951 Mullion Half
- RU-952 Mullion Half
- GP-483 Weather Gasket
- GP-486 Gasket
- GP-498 Gaskets w/ Structural Silicone Sealant (Sealant by Others)
- 1" Vision Glazing
- 3/4" Both Sides
- RU-232-FP-01 Sunshade Bracket Support
- ATTACH TO MULLION W/ (4) FS-42
- RU-233-FP-01 Sunshade Bracket Notch RU-951 Mullion to Clear
- RU-234-FP-01 Thermal Isolator
- FS-310
- FS-8 Assy'Y Fastener TYP.

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Reliance™ Unit Wall - Non-Captured SSG
Sunshade Anchoring at 90° Outside Corner - V1844

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Reliance™ Unit Wall - Non-Captured SSG
Head Horizontal - Multi-Span - H1803

RU-953 HEAD
RU-937 FILLER

SPW-1482 TRIM CAP
RU-957 PERIMETER TRIM & GP-487 ISOLATOR
ATTACH W/ FS-322 @ 12" O.C.

GP-498 GASKET & STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

1" GLAZING

BACKER ROD & SEALANT (BY OTHERS)

SILICONE SHEET

OPTIONAL PIPE SLEEVE ANCHORING CONDITION SIZED PER PROJECT REQUIREMENT

1 1/4" MIN.

2 1/2"

3/4"

1/2"

1/2"

7 1/4"

D.L.O.
Reliance™ Unit Wall - Non-Captured SSG
Head Horizontal - Single Span - H1804

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H1804-Head-Horizontal-SingleSpan
Reliance™ Unit Wall - Non-Captured SSG
Stack Joint - Vision over Spandrel w/ Shear Sleeve/Lifting Lug - H1810

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H1810-Stack-Joint-Vision-Over-Spandrel
Reliance™ Unit Wall - Non-Captured SSG
Stack Joint - Vision over Spandrel w/ Shear Sleeve Angle - H1811

RU-973 EXPANSION SILL

RU-949 COMPOSITE STACK STEM HORIZONTAL ATTACH TO EXPANSION HEAD CLOSER W/ FS-327 @ 12" O.C. & 1" FROM EACH END.

RU-944 HEAD CLOSER

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION

GP-185 WEATHER GASKET

GP-498 GASKETS & STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

RU-645-FP-01 SHEAR SLEEVE ANGLE (2) PER MULLION LOCATION, CRIMPED IN PLACE

3/8" VENT HOLE

1" VISION GLAZING ON GP-497 SETTING BLOCK

RU-220 THERMAL SHIELD

GP-601 EXPANSION GASKET

1" SPANDREL GLAZING

1 1/16" NOM.

1 1/4"

3/4"

1 1/4"

7 1/4"
Reliance™ Unit Wall - Non-Captured SSG
Intermediate Horizontal @ Spandrel over Vision - H1812
Reliance™ Unit Wall - Non-Captured SSG
Intermediate Horizontal @ Shadow Box over Vision - H1814

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Reliance™ Unit Wall - Non-Captured SSG
Stack Joint - Vision over Shadow Box w/ Shear Sleeve/Lifting Lug - H1815

November 2018
Reliance™ Unit Wall - Non-Captured SSG
Stack Joint - Vision over Shadow Box w/ Shear Sleeve Angle - H1816

3/8" VENT HOLE

RU-949 COMPOSITE STACK STEM HORIZONTAL ATTACH TO EXPANSION HEAD CLOSER W/ FS-327 @ 12" O.C. & 1" FROM EACH END.

RU-944 HEAD CLOSER

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION

RU-973 EXPANSION SILL

± 1/2"

RU-645-FP-01 SHEAR SLEEVE ANGLE (2) PER MULLION LOCATION, CRIMPED IN PLACE

RU-944 HEAD CLOSER

1 1/4"

1 1/16"

3/4"

GP-601 EXPANSION GASKET

GP-185 WEATHER GASKET

GP-497 GASKETS & STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

RU-220 THERMAL SHIELD

1" VISION GLAZING ON GP-497 SETTING BLOCK

1" VISION GLAZING ON GP-497 SETTING BLOCK

SILICONE SHEET @ JOINT OF STACK STEM HORIZONTALS

1" VISION GLAZING ON GP-497 SETTING BLOCK

7 1/4"

3/8" VENT HOLE

SHADOW BOX

GP-498 GASKETS & STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

RU-973 EXPANSION SILL

± 1/2"

RU-645-FP-01 SHEAR SLEEVE ANGLE (2) PER MULLION LOCATION, CRIMPED IN PLACE

RU-949 COMPOSITE STACK STEM HORIZONTAL ATTACH TO EXPANSION HEAD CLOSER W/ FS-327 @ 12" O.C. & 1" FROM EACH END.

RU-944 HEAD CLOSER

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION

RU-973 EXPANSION SILL

± 1/2"

RU-645-FP-01 SHEAR SLEEVE ANGLE (2) PER MULLION LOCATION, CRIMPED IN PLACE

RU-949 COMPOSITE STACK STEM HORIZONTAL ATTACH TO EXPANSION HEAD CLOSER W/ FS-327 @ 12" O.C. & 1" FROM EACH END.

RU-944 HEAD CLOSER

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION
Reliance™ Unit Wall - Non-Captured SSG

Dead Load Sill - H1820

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Reliance™ Unit Wall - Non-Captured SSG
Horizontal @ Door Header for Overhead Surface Closer - H1830
Reliance™ Unit Wall - Non-Captured SSG
Horizontal @ Door Header for Overhead Concealed Closer - H1831

- D.L.O.
- 1" GLAZING ON GP-497 SETTING BLOCK
- GP-498 GASKET & STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)
- RU-1482 TRIM CAP
- SPW-1482 TRIM CAP
- RU-954 HORIZONTAL
- RU-957 PERIMETER TRIM & GP-487 ISOLATOR
- ATTACH W/ FS-322 @ 12" O.C. & (2) PER SETTING BLOCK, SPACED 4" APART
- 1" GLAZING ON GP-497 SETTING BLOCK
- 1/4" 1"
- 2 1/2"
SPW-1482 TRIM CAP

RU-954 HORIZONTAL

1" GLAZING ON GP-497 SETTING BLOCK

GP-498 GASKET & STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

RU-957 PERIMETER TRIM & GP-487 ISOLATOR
ATTACH W/ FS-322 @ 12" O.C. & (2) PER SETTING BLOCK, SPACED 4" APART

1" GLAZING ON GP-497 SETTING BLOCK

Reliance™ Unit Wall - Non-Captured SSG
Horizontal @ Thermal Door Header - H1832
Reliance™ Unit Wall - Non-Captured SSG
Horizontal @ Shadow Box over Operable Window - H1834

November 2018
Reliance™ Unit Wall - Non-Captured SSG
Intermediate Vertical @ Vision - V1810

November 2018

D.L.O.

1 1/4"

FS-8 ASS'Y FASTENER TYP.

RU-951 MULLION HALF

GP-483 WEATHER GASKET

RU-952 MULLION HALF

GP-486 GASKETS

1" VISION GLAZING

3/4" BOTH SIDES

1"

D.L.O.

2 1/2"

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

1" VISION GLAZING

1/2" BOTH SIDES

D.L.O.

GP-483 WEATHER GASKET

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Reliance™ Unit Wall - Non-Captured SSG
Intermediate Vertical @ Spandrel - V1811

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Reliance™ Unit Wall - Non-Captured SSG
Intermediate Vertical @ Shadow Box - V1812
Reliance™ Unit Wall - Non-Captured SSG
Intermediate Vertical @ Stack Joint w/ Shear Sleeves - V1813

November 2018
Reliance™ Unit Wall - Non-Captured SSG
Intermediate Vertical @ Stack Joint w/ Shear Sleeve Angle - V1814
Reliance™ Unit Wall - Non-Captured SSG

Jamb Vertical @ Vision - V1815

November 2018
Reliance™ Unit Wall - Non-Captured SSG
Jamb Vertical @ Spandrel - V1816

FS-8 ASS’Y
FASTENER TYP.

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT
(SEALANT BY OTHERS)

RU-957 PERIMETER FILLER W/ GP-487 ISOLATOR
ATTACH W/ FS-322 @ 12" O.C.

BACKER ROD & SEALANT (BY OTHERS)

3/4" ACCESS HOLES

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION

FS-8 ASS’Y FASTENER TYP.

1" SPANDREL GLAZING

RU-958 JAMB

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT
(SEALANT BY OTHERS)

1/2" TRIM CAP

3/4" TRIM CAP

2 1/2"

D.L.O.

3/4" MIN.
Reliance™ Unit Wall - Non-Captured SSG
Jamb Vertical @ Shadow Box - V1817

- **RU-958 JAMB**
- **3/4" ACCESS HOLES**
- **GALVANIZED STEEL BACK PAN W/ RIGID INSULATION**
- **SHADOW BOX**
- **3/4" MIN.**
- **2 1/2"**
- **D.L.O.**
- **1" VISION GLAZING**
- **FS-8 ASS'Y FASTENER TYP.**
- **GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT**
  (SEALANT BY OTHERS)
- **RU-957 PERIMETER FILLER W/ GP-487 ISOLATOR ATTACH W/ FS-322 @ 12" O.C.**
- **BACKER ROD & SEALANT (BY OTHERS)**
- **SPW-1482 TRIM CAP 1/2" 3/4"**
- **RU-958 JAMB**

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V1817-Jamb-Vertical-Shadow-Box
Reliance™ Unit Wall - Non-Captured SSG
Jamb Vertical @ Stack Joint - V1818

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3/4" ACCESS HOLES

SILICONE MEMBRANE,
SET IN PLACE ON JAMB MULLION
@ STARTER SILL & STACK JOINT

RU-957 PERIMETER FILLER
W/ GP-487 ISOLATOR
ATTACH W/ FS-322 @ 12" O.C.

BACKER ROD & SEALANT
(BY OTHERS)

RUW-MA04 SHEAR SLEEVE
ATTACH TO MULLION W/ (1) FS-74 (1/2"-13 X
2" HH CAP BOLT), (1) FSW-73 FLAT WASHER,
(1) FSW-71 LOCK WASHER & (1) FSN-69 NUT

RU-958 JAMB
FS-8 ASS'Y
FASTENER TYP.

RUW-MA04 SHEAR SLEEVE
ATTACH TO MULLION W/ (1) FS-74 (1/2"-13 X
2" HH CAP BOLT), (1) FSW-73 FLAT WASHER,
(1) FSW-71 LOCK WASHER & (1) FSN-69 NUT

NOTCH BOTTOM
OF MULLION AT
EXPANSION JOINT

GP-498 GASKETS W/ STRUCTURAL
SILICONE SEALANT
(SEALANT BY OTHERS)

SPW-1482 TRIM CAP
1/2" 3/4"

D.L.O.

1" VISION
GLAZING

3/4" MIN.

2 1/2"
Reliance™ Unit Wall - Non-Captured SSG
Optional 2-Piece Jamb - V1819

November 2018
Reliance™ Unit Wall - Non-Captured SSG
90° Outside Corner @ Vision - V1820

November 2018
Reliance™ Unit Wall - Non-Captured SSG
90° Outside Corner @ Stack Joint - V1821
Reliance™ Unit Wall - Non-Captured SSG
90° Outside Corner @ Spandrel - V1822

1" SPANDREL GLAZING

GP-498 SPACER
GASKETS & STRUCT.
SILICONE SEALANT
(SEALANT BY OTHERS)

RU-963 COMPOSITE
MULLION HALF

GALVANIZED STEEL BACK
PAN W/ RIGID INSULATION

FS-9 ASS'Y SCREWS
TYPICAL @ OUTSIDE
Corners

D.L.O.
3/4" GLASS
BITE TYP.
1/2" 1 3/4" NOM.

GP-60006 GASKETS

GP-483 WEATHER
GASKET

RU-962 COMPOSITE
MULLION HALF

1/2" 3/4" GLASS
BITE TYP.

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Reliance™ Unit Wall - Non-Captured SSG
90° Inside Corner @ Vision - V1825

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V1825-90-Inside-Corner-Vision
Reliance™ Unit Wall - Non-Captured SSG

90° Inside Corner @ Stack Joint - V1826

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V1826-90-Inside-Corner-Stack-Joint
Reliance™ Unit Wall - Non-Captured SSG
90° Inside Corner @ Spandrel - V1827

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2 1/2" FS-8 ASS’Y FASTENER TYP.
GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)
1" SPANDREL GLAZING
AN-1 ANGLES @ HEAD & SILL FOR PERIMETER SEALANT
RU-957 PERIMETER FILLERS W/ GP-487 ISOLATORS ATTACH W/ FS-322 @ 12" O.C.

NOTE: JOINT Sized TO ACCOMODATE ± 1/2" MOVEMENT

SECTION A-A

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION
3/4" ACCESS HOLES
1/8" FORMED ALUM. CLOSURES
AN-1 ANGLES
Reliance™ Unit Wall - Non-Captured SSG
90° Inside Corner @ Shadow Box - V1828

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RU-958 JAMBS
3/4" ACCESS HOLES

GALVANIZED STEEL BACK PAN W/ RIGID INSULATION

AN-1 ANGLES
1 1/2" FORMED ALUM. CLOSURES

AN-1 ANGLES @ HEAD & SILL FOR PERIMETER SEALANT

RU-957 PERIMETER FILLERS W/ GP-487 ISOLATORS ATTACH W/ FS-322 @ 12" O.C.

SHADOW BOX

FS-8 ASSY FASTENER TYP.

1" VISION GLAZING

1" VISION GLAZING

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

1/8" FORMED ALUM. CLOSURES

SPW-1482 TRIM CAPS

1/2" D.L.O.

NOTE: JOINT SIZED TO ACCOMODATE ± 1/2" MOVEMENT

SECTION A-A

RU-958 PERIMETER FILLERS W/ GP-487 ISOLATORS ATTACH W/ FS-322 @ 12" O.C.

1" VISION GLAZING

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

1/8" FORMED ALUM. CLOSURES

NOTE: JOINT SIZED TO ACCOMODATE ± 1/2" MOVEMENT

SECTION A-A

RU-958 PERIMETER FILLERS W/ GP-487 ISOLATORS ATTACH W/ FS-322 @ 12" O.C.

1" VISION GLAZING

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

1/8" FORMED ALUM. CLOSURES

NOTE: JOINT SIZED TO ACCOMODATE ± 1/2" MOVEMENT

SECTION A-A

RU-958 PERIMETER FILLERS W/ GP-487 ISOLATORS ATTACH W/ FS-322 @ 12" O.C.

1" VISION GLAZING

GP-498 GASKETS W/ STRUCTURAL SILICONE SEALANT (SEALANT BY OTHERS)

1/8" FORMED ALUM. CLOSURES

NOTE: JOINT SIZED TO ACCOMODATE ± 1/2" MOVEMENT

SECTION A-A
Reliance™ Unit Wall - Non-Captured SSG
Vertical @ Thermal Door Jamb - V1832

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Reliance™ Unit Wall - Non-Captured SSG

Vertical @ Operable Window - V1833

1" VISION GLAZING

3/4"

D.L.O.

7 1/4"

ZERO SIGHTLINE OPERABLE WINDOW
(REFER TO www.obe.com/products/architectural/windows FOR THE MOST CURRENT AVAILABLE VENT OPTIONS.)

SPW-1482 TRIM CAP

GP-486 GASKET
2 1/2"

RU-957 PERIMETER FILLER
W/ GP-487 ISOLATOR
ATTACH W/ FS-322 @ 12" O.C.

GP-498 GASKET W/ STRUCTURAL SILICONE SEALANT
(SEALANT BY OTHERS)

RU-951 MULLION HALF

GP-483 WEATHER GASKET

RU-952 MULLION HALF

FS-8 ASS’Y FASTENER TYP.