VDS® by FORSTER® CURTAIN WALL
Fire-Rated Curtain Wall System

CLASSIFICATION

PRODUCT DESCRIPTION

VDS CURTAIN WALL is a comprehensive steel curtain wall system that offers monumental advantages. Ideal for applications that require high-span, self-supporting construction. VDS® CURTAIN WALL can meet the demand for fire resistance and a barrier to radiant heat in both interior and exterior openings. The versatile VDS CURTAIN WALL features a thermal break which adds to the overall performance of this fire-rated system.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>US Testing/Compliant</td>
<td>ASTM E 119, NFPA 257, UL 263, &amp; UBC 7</td>
</tr>
<tr>
<td>CAN Testing/Compliant</td>
<td>CAN/ULC-S101</td>
</tr>
<tr>
<td>Finish Option</td>
<td>Powder Coat/Enamel/Cover Caps: Stainless Steel/Aluminum</td>
</tr>
<tr>
<td>Custom Colors¹</td>
<td>Yes</td>
</tr>
<tr>
<td>Fabrication</td>
<td>Welded/Clipped</td>
</tr>
<tr>
<td>Certification</td>
<td>Underwriters Laboratories</td>
</tr>
<tr>
<td>Fabricated in the US</td>
<td>Yes</td>
</tr>
<tr>
<td>Glazing Options</td>
<td>CONTRAFLAM 60, 90 &amp; 120</td>
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<tr>
<td>Single/Double Doors</td>
<td>Yes (see VDS Doors)</td>
</tr>
<tr>
<td>Weight (lbs/lin. ft.)</td>
<td>3.5 - 7 (does not include glass)</td>
</tr>
</tbody>
</table>

DETAILS

¹Surcharge may apply

Rev. 11.11.15 The information published in this document is correct at the time of going to press. Such information may be subject to change and products may be modified.

www.vetrotechUSA.com
CLIP JOINT AND CORNER DETAIL

1

2

3

4 OPP. HND

5

6

7

VDS CURTAIN WALL WALL ELEVATION
NOTE:
Refer to current data sheet for maximum sizes of exposed glass.

VDS 60/120 WALL ELEVATION
WITH 60/90 MIN. SINGLE DOOR

VDS 60/120 WALL ELEVATION
WITH 60/90 MIN. PAIR OF DOORS
**KEY NOTES**

A. VDS STEEL CURTAIN WALL HORIZONTAL MEMBER.

B. VDS STEEL CURTAIN WALL VERTICAL MEMBER.

C. PRESSURE PLATE LOCKING SCREW.

D. SETTING BLOCK (NOT BY VETROTECH).

E. SETTING BLOCK SHELF.

F. PRESSURE PLATES.

G. HORIZONTAL COVER CAP.

H. SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.

I. HORIZONTAL WEATHER STRIPPING.

J. SILL & HEAD PLATE WITH SHEAR LUG @ VERTICAL MULLION.

K. HARDWOOD BLOCK.

L. ANCHORS (NOT BY VETROTECH).

M. SHIM AS NECESSARY (NOT BY VETROTECH).

N. FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).

O. FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).

P. FINISH SEALANT (NOT BY VETROTECH).

Q. CLAMPING FOOT.

**NOTE:**
ACTUAL ANCHORING MAY VARY PER PROJECT REQUIREMENTS. DRAWING FOR REFERENCE ONLY.
KEY NOTES

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E  SETTING BLOCK SHELF.
F  PRESSURE PLATES.
G  VERTICAL COVER CAP.
H  SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.
I  VERTICAL WEATHER STRIPPING.
J  SILL & HEAD PLATE WITH SHEAR LUG @ VERTICAL MULLION.
K  HARDWOOD BLOCK.
L  ANCHORS (NOT BY VETROTECH).
M  SHIM AS NECESSARY (NOT BY VETROTECH).
N  FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O  FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).
P  FINISH SEALANT (NOT BY VETROTECH).
Q  CLAMPING FOOT.

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E SETTING BLOCK SHELF.
F PRESSURE PLATES.
G VERTICAL COVER CAP.
H SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.
I VERTICAL WEATHER STRIPPING.
J FRAME SILL/HEAD PLATE @ VERTICAL MULLION.
K HARDWOOD BLOCK.
L ANCHORING ASSEMBLY (NOT BY VETROTECH).
M ANCHOR BOLT (NOT BY VETROTECH).
N FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).
P FINISH SEALANT (NOT BY VETROTECH).
Q. CLAMPING FOOT.
R. FIELD WELD.

NOTE:
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KEY NOTES
SOME CALLOUTS MAY NOT APPLY TO SPECIFIC DETAIL

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F  PRESSURE PLATES.
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I  VERTICAL WEATHER STRIPPING.
J  FRAME SILL/HEAD PLATE @ VERTICAL MULLION.
K  HARDWOOD BLOCK.
L  ANCHOR ASSEMBLY (NOT BY VETROTECH).
M  ANCHOR BOLT (NOT BY VETROTECH).
N  FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O  FIRE RESISTANT LOOSE INSULATION (VETROTECH).
P  FINISH SEALANT (NOT BY VETROTECH).
Q  CLAMPING FOOT.
R  FIELD WELD.

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KEY NOTES

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B  VDS STEEL CURTAIN WALL VERTICAL MEMBER.
C  PRESSURE PLATE LOCKING SCREW.
D  SETTING BLOCK (NOT BY VETROTECH).
E  SETTING BLOCK SHELF.
F  PRESSURE PLATES WITH WEEP HOLES.
G  HORIZONTAL COVER CAP WITH WEEP HOLES.
H  SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.
I  HORIZONTAL WEATHER STRIPPING WITH FIN.
J  FIRE SAFING AND INSULATION (NOT BY VETROTECH).
K  HARDWOOD BLOCK.
L  ANCHOR ASSEMBLY (NOT BY VETROTECH).
M  ANCHOR BOLTS (NOT BY VETROTECH).
N  FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O  FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).
P  FINISH SEALANT (NOT BY VETROTECH).
Q  CLAMPING FOOT.
R  FIELD WELD.

NOTE:
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HORIZONTAL SECTION AT FLOOR SLAB

EXTERIOR APPLICATION SHOWN
KEY NOTES

A. VDS STEEL CURTAIN WALL HORIZONTAL MEMBER.
B. VDS STEEL CURTAIN WALL VERTICAL MEMBER.
C. PRESSURE PLATE LOCKING SCREW.
D. SETTING BLOCK (NOT BY VETROTECH).
E. SETTING BLOCK SHELF.
F. PRESSURE PLATES.
G. VERTICAL COVER CAP.
H. SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.
I. VERTICAL WEATHER STRIPPING.
J. SILL & HEAD PLATE WITH SHEAR LUG @ VERTICAL MULLION.
K. HARDWOOD BLOCK.
L. ANCHOR (NOT BY VETROTECH).
M. SHIM AS NECESSARY (NOT BY VETROTECH).
N. FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O. FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).
P. FINISH SEALANT (NOT BY VETROTECH).
Q. CLAMPING FOOT
R. HINGE PER HARDWARE SCHEDULE.
S. VDS 60/90 DOOR.
T. DOOR ASSEMBLY FASTENER TO CURTAIN WALL.

NOTE:
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D. SETTING BLOCK (NOT BY VETROTECH).
E. SETTING BLOCK SHELF.
F. PRESSURE PLATES.
G. HORIZONTAL COVER CAP.
H. SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.
I. HORIZONTAL WEATHER STRIPPING.
J. FRAME BASE PLATE @ VERTICAL.
K. HARDWOOD BLOCK.
L. ANCHOR (NOT BY VETROTECH).
M. SHIM AS NECESSARY (NOT BY VETROTECH).
N. FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O. FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).
P. FINISH SEALANT (NOT BY VETROTECH).
Q. CLAMPING FOOT.
R. HINGE PER HARDWARE SCHEDULE.
S. VDS 60/90 DOOR.
T. DOOR ASSEMBLY FASTENER TO CURTAIN WALL.
KEY NOTES

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D SETTING BLOCK (NOT BY VETROTECH).
E SETTING BLOCK SHELF.
F PRESSURE PLATES.
G HORIZONTAL COVER CAP.
H SGG FIRE RATED GLAZING. SEE GLAZING OPTIONS FOR MORE INFORMATION.
I HORIZONTAL WEATHER STRIPPING.
J FRAME BASE PLATE @ VERTICAL.
K HARDWOOD BLOCK.
L ANCHOR (NOT BY VETROTECH).
M SHIM AS NECESSARY (BY NOT BY VETROTECH).
N FIRE STOP & SMOKE SEAL (NOT BY VETROTECH).
O FIRE RESISTANT LOOSE INSULATION (NOT BY VETROTECH).
P FINISH SEALANT (NOT BY VETROTECH).
Q. CLAMPING FOOT.
R. HINGE PER HARDWARE SCHEDULE.
S. VDS 60/90 DOOR.
T. DOOR ASSEMBLY FASTENER TO CURTAIN WALL.
VETROTECH
SAINT-GOBAIN

1/8"
[3 mm]
76.856

1/16"
[2 mm]
76.855

1/16"
[2 mm]
76.854

1/16"
[1.8 mm]
76.853

1/16"
[1.8 mm]
76.852

1/16"
[1.8 mm]
76.851

VARIATES

D.L.O.

GLASS DIM.

1/2"
[12 mm]

PRESSURE PLATE

LOCKING SCREW

WEATHER STRIPPING

TEMPERATURE RISE GLAZING
• See Glazing options for more information.

SPACER

FACING PROFILE
• Aluminum 6060 T66, cold pressed
• Stainless Steel 1.4301 ground with grain 220-240, with protective adhesive film

PRESSURE PLATE

AVAILABLE VDS CURTAIN WALL PROFILES
17
1-3/4" (45 mm) WIDE PROFILES
AVAILABLE VDS CURTAIN WALL PROFILES

2-3/8" (60 mm) WIDE PROFILES

- Aluminum 6060 T66, cold pressed
- Stainless Steel 1.4301 ground with grain 220-240, with protective adhesive film.
- See Glazing options for more information.

D.L.O. [20mm]
GLASS DIM.

PRESSURE PLATE
FACING PROFILE

WEATHER STRIPPING
TEMPERATURE RISE GLAZING

PRESSURE PLATE
LOCKING SCREW

CLAMPING FOOT
**CONTRAFLAM 60**

60 MIN. INTERIOR TEMPERATURE RISE APPLICATION

**CONTRAFLAM 120**

120 MIN. INTERIOR TEMPERATURE RISE APPLICATION

**CONTRAFLAM 60 IGU WITH 1/4" AIR SPACE**

60 MIN. EXTERIOR TEMPERATURE RISE APPLICATION

**CONTRAFLAM 120 IGU WITH 1/2" AIR SPACE**

120 MIN. EXTERIOR TEMPERATURE RISE APPLICATION

**NOTE:**
Refer to current data sheet for maximum sizes of exposed glass.
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KEY NOTES

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B  VDS STEEL CURTAIN WALL VERTICAL MEMBER.
C  PRESSURE PLATE LOCKING SCREW.
D  SETTING BLOCK -BY OTHERS.
E  SETTING BLOCK SHELF.
F  PRESSURE PLATES.
G  HORIZONTAL COVER CAP.
H  SGG CONTRAFLAM 60 GLAZING, SEE ELEVATIONS FOR ACTUAL GLAZING TYPE.
I  HORIZONTAL WEATHER STRIPPING.
J  FRAME BASE PLATE @ VERTICAL, SEE SHEET XX FOR MORE INFORMATION.
K  SHEAR LUG FOR VERTICAL PROFILE.
L  HARDWOOD BLOCK.
M  ANCHOR BY OTHERS.
N  VERTICAL COVER CAP.
O  VERTICAL WEATHER STRIPPING.
P  SHIM AS NECESSARY -BY OTHERS.
Q  FIRE STOP & SMOKE SEAL -BY OTHERS.
R  FIRE RESISTANT LOOSE INSULATION -BY OTHERS.
S  FINISH SEALANT BY OTHERS.
KEY NOTES

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B  VDS STEEL CURTAIN WALL VERTICAL MEMBER.
C  PRESSURE PLATE LOCKING SCREW.
D  SETTING BLOCK - BY OTHERS.
E  SETTING BLOCK SHELF.
F  PRESSURE PLATES.
G  HORIZONTAL COVER CAP.
H  SGG CONTRAFLAM 120 IGU GLAZING, SEE ELEVATIONS FOR ACTUAL GLAZING TYPE.
I  HORIZONTAL WEATHER STRIPPING WITH FIN.
J  FRAME BASE PLATE @ VERTICAL, SEE SHEET XX FOR MORE INFORMATION.
K  SHEAR LUG FOR VERTICAL PROFILE.
L  HARDWOOD BLOCK.
M  ANCHOR BY OTHERS.
N  VERTICAL COVER CAP.
O  VERTICAL WEATHER STRIPING.
P  SHIM AS NECESSARY - BY OTHERS.
Q  FIRE STOP & SMOKE SEAL - BY OTHERS.
R  FIRE RESISTANT LOOSE INSULATION - BY OTHERS.
S  WEEP HOLES.
T  SILL FLASHING BY OTHERS.
U  FINISH SEALANT BY OTHERS.
THERMIX VARIO
STEEL CURTAIN WALL
VERTICAL MEMBER.

TUBE STL. (A36)

16 GA. STL.
ANCHORING STRIP,
PLUG WELD TO TUBE
STEEL @ 20" O.C.

16 GA. STL. 90°
CORNER

1/4" STEEL (A36)
PLATE (TYP.)
BELOW

CALCIUM SILICATE
INSULATION

ANCHOR BOLT (NOT
BY VETROTECH)

SGG FIRE RATED
GLAZING.

ALIGN
TYP.

D.L.O.

FRAME WIDTH

V.I.F.

VARIES

VARIES

5/16"
SGG CONTRAFLAM IGU GLAZING.

60 x 60 THERMFIX VARIO STEEL CURTAIN WALL VERTICAL MEMBER.

D.L.O.

VARIES

ALUM. COVER

MICROBIFIRE

POWER PANEL H20

ALIGN

VARIES

D.L.O.

VARIES

3/16" - 5/8" [90mm - 150mm]

23/8"

3/8" - 5/8" [90mm - 150mm]

B 90° CORNER DETAIL
EXTERIOR APPLICATION SHOWN

VDS 90 DEGREE CORNER DETAIL