DELTA®

FGEF NCPDMPK?LAC ?GP $ KMGQRSPC @?PPGCPQ

DÖRKEN

Installation Guide
DELTA®-VENT SA

Flashing Systems for

FLANGE WINDOWS

uuu,bmpicl,amk

?npgj 0.00 Cbgrgml

Dörken –
Leading Through Technical Competence

Dörken Systems Inc. (ISO 9001-2008) is a subsidiary of the Dörken Group that has over 100 years of experience in the construction industry. Developed from innovative ideas and manufactured on state-of-the-art production lines, the premium quality products for moisture management in building enclosures set standards for reliability, durability, and energy savings. Located in Beamsville, Ontario, Canada, Dörken provides customized solutions and products of outstanding quality. Dörken Systems Inc. is and always will be a trustworthy and highly respected partner for designers, architects, distributors and installers.

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ESR-2932

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RDH
Making Buildings Better

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DÖRKEN

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Introduction

DELTA®-VENT SA water-resistive barrier and air barrier

This Installation Guide covers the preparation of rough window openings with DELTA®-VENT SA Water-resistive Barrier and Air Barrier and its components.

The following diagrams present a step-by-step sequence for all installations. There are several options for these installation sequences. The window manufacturer's specifications, and architectural considerations, such as flashing and trim will vary.
All installations, regardless of variations, will follow the same fundamental approach.

The membrane's primary purpose is to function as a vapor permeable water-resistive barrier and continuous air barrier. Special attention is paid to interface areas to ensure that water or air cannot penetrate the assembly. Following the steps outlined in this Installation Guide will help ensure best practice installations.

These diagrams for DELTA®-VENT SA are intended only as a guide and are for the convenience of architects, specifiers, contractors and other interested parties. The final application and details are the sole responsibility of the design authority on record for the project.

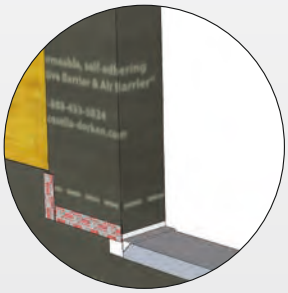
?bbgrgm l _j Rca f l ga_j _ l b G l qr_jj_rgm l
Esgbcq _pc _t_gj_`jc

Method Selection Guide

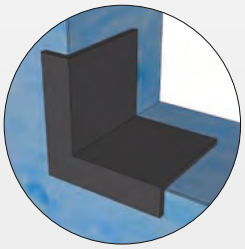
Qrpgn+g l kcrfmbq dmp dj_lec ug lbmuq

Flange Windows

Qrpgn+g l kcrfmb

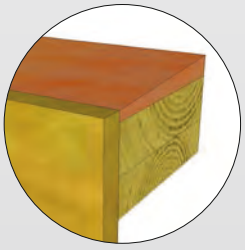


/, BCJR?ã+D?Q AMPLCP &n_ec 4'

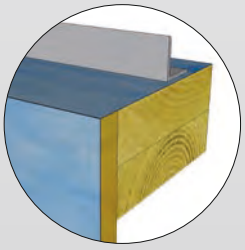


0, Dj_r qgjj &n_ec /2'

1, Qjmncb qgjj &n_ec 00'



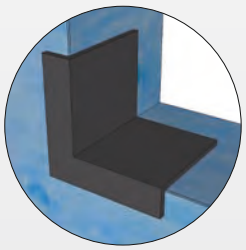
2, @_aib_k &n_ec 1.'



Asr+msr kcrfmbq dmp dj_lec uglbmuq

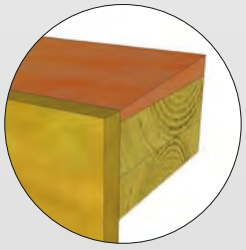
Asr+msr kcrfmb

/, BCJR?ã+D?Q AMPLCP &n_ec 16'

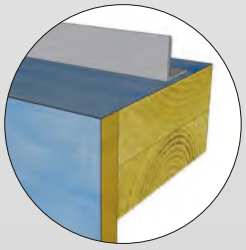


0, Dj_r qgjj &n_ec 22'

1, Qjmncb qgjj &n_ec 3.'

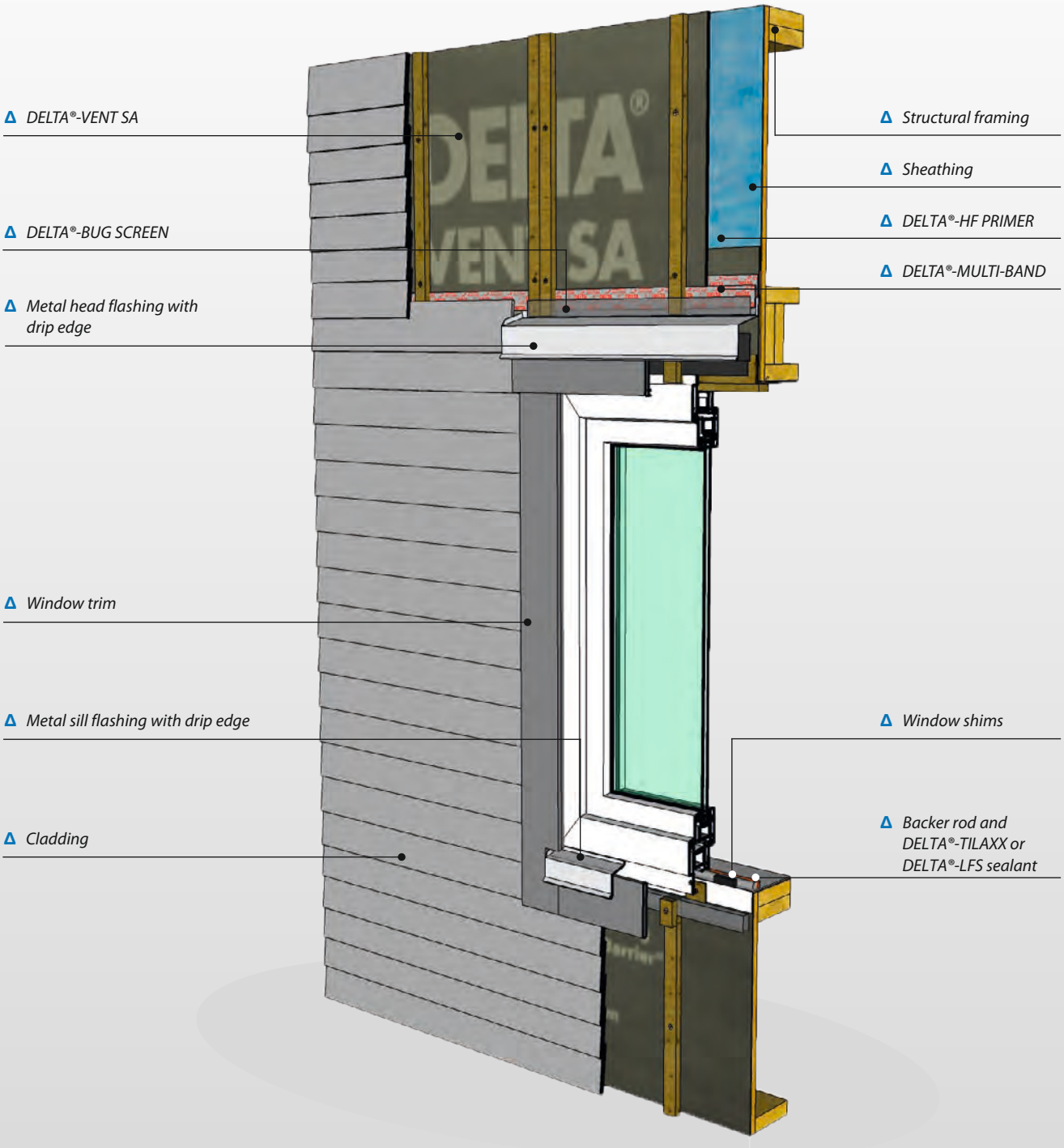


2, @_aib_k &n_ec 34'

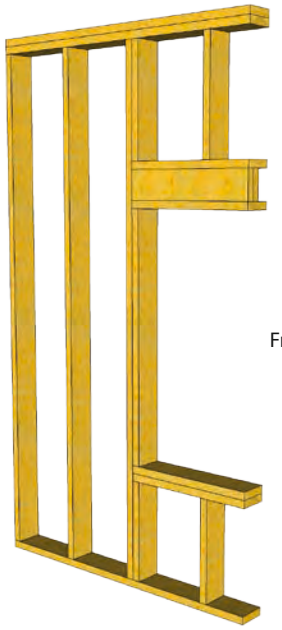


Strip-in method

1. With DELTA®-FAS CORNER

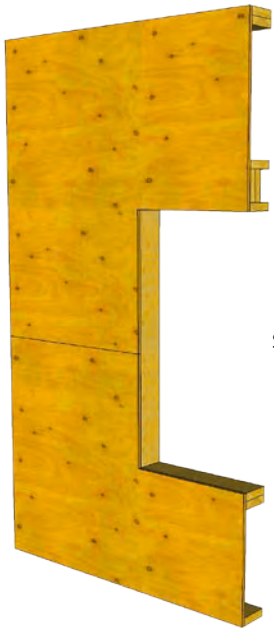


Step 1



Framing

Step 2

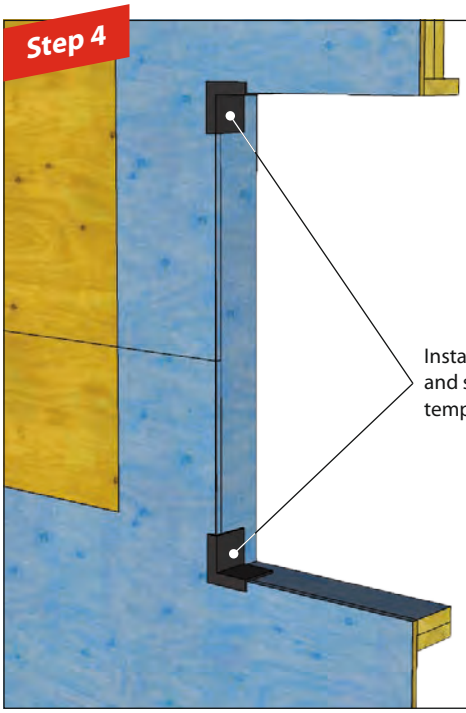


Sheathing

Step 3

Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

Step 4

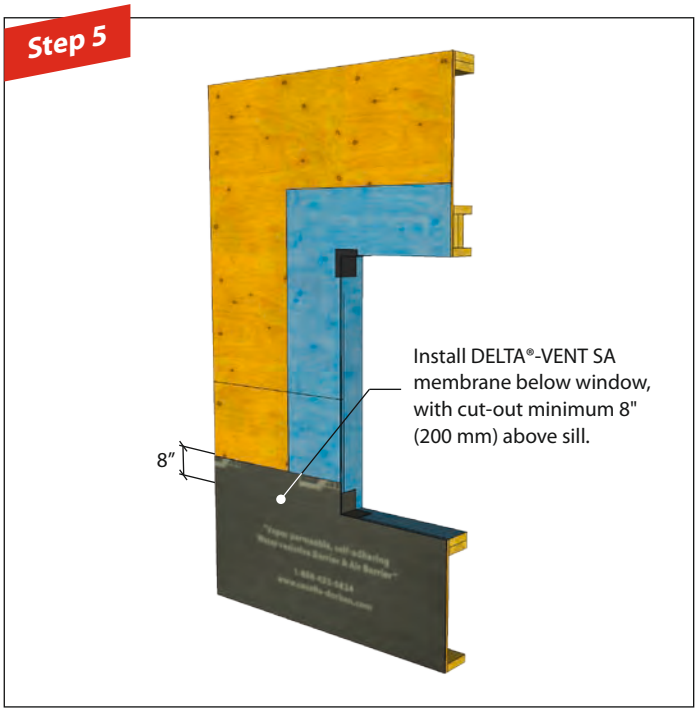


Install DELTA®-FAS CORNERS and staple on vertical leg to temporarily hold in place.

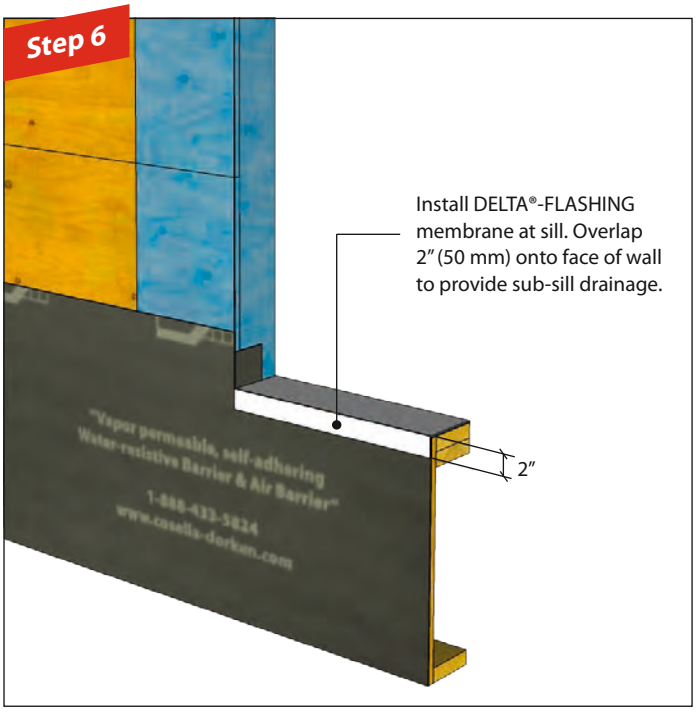
Strip-in method

1. With DELTA®-FAS CORNER

Step 5

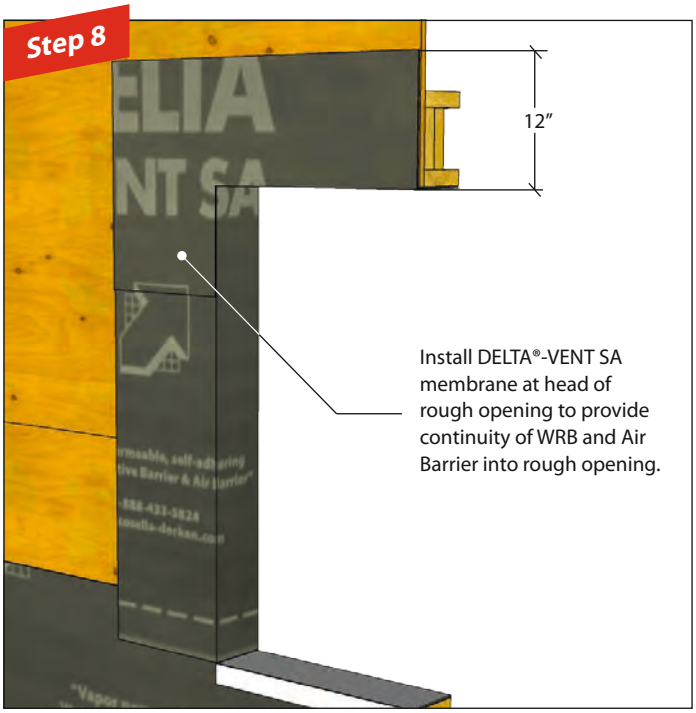


Step 6



Step 7

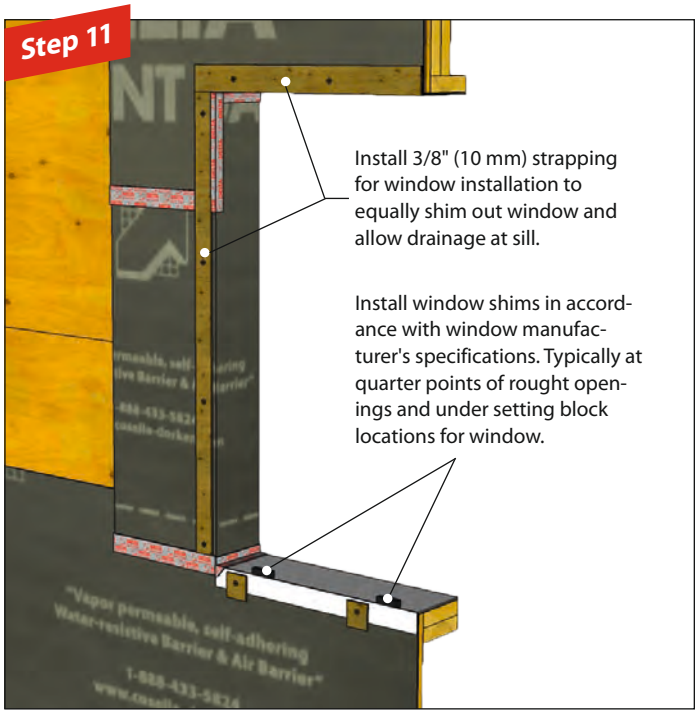
Step 8



Step 9

Step 10

Step 11

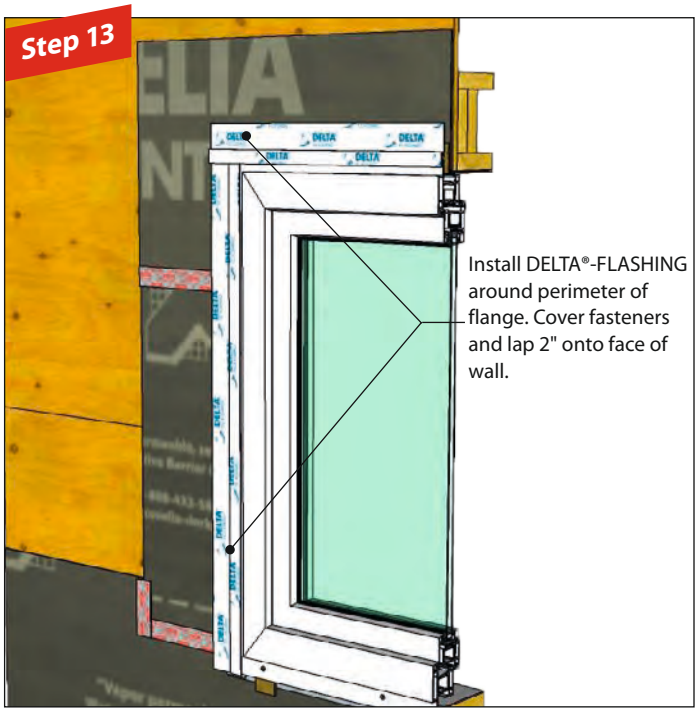


Step 12

Strip-in method

1. With DELTA®-FAS CORNER

Step 13



Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 14

Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

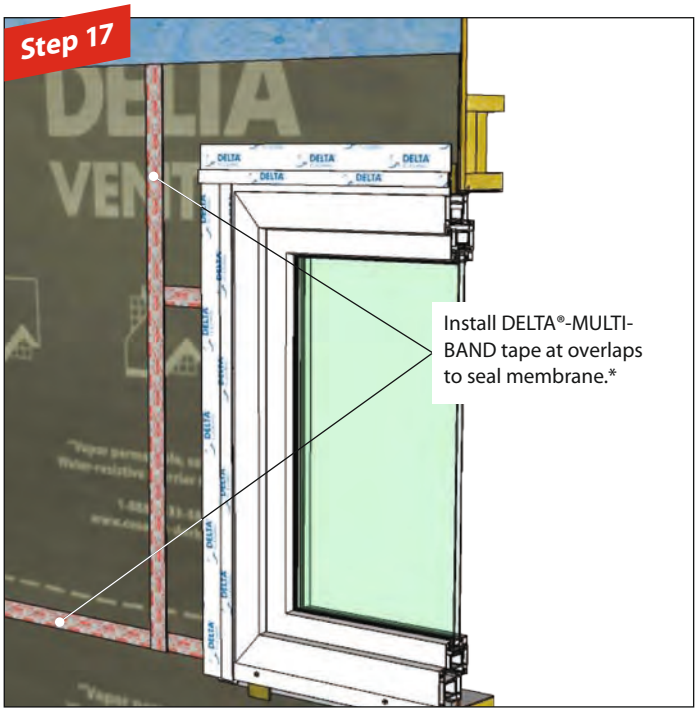
Step 15

Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA

Step 16

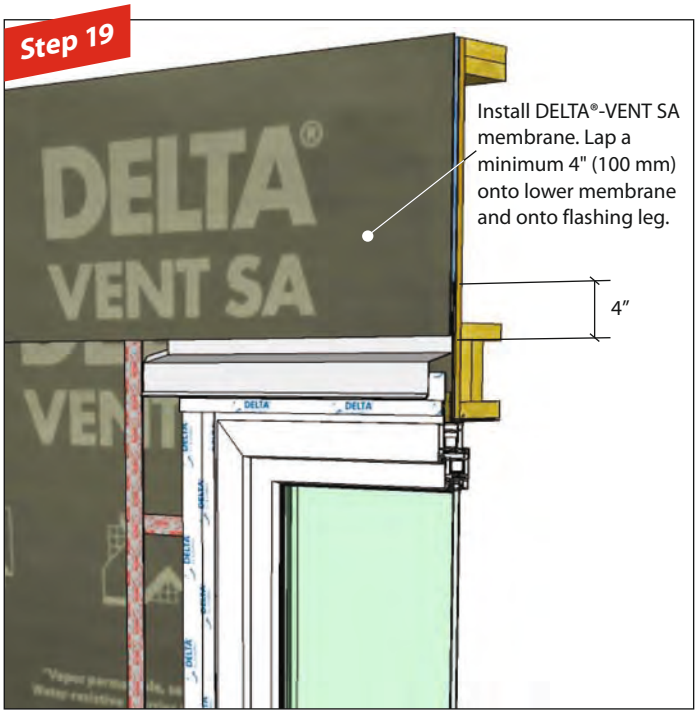
Install DELTA®-VENT SA membrane, minimum 6" (150 mm) vertical lap.

Step 17

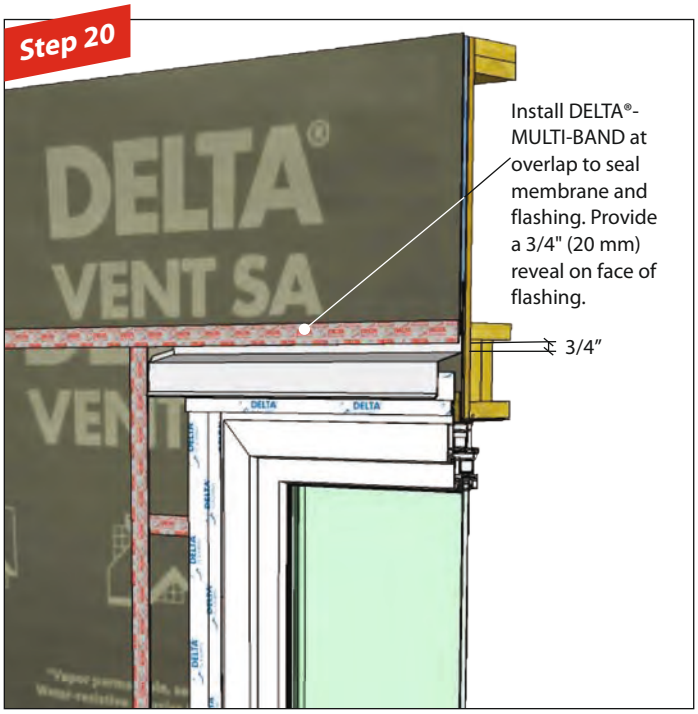


Step 18

Step 19



Step 20

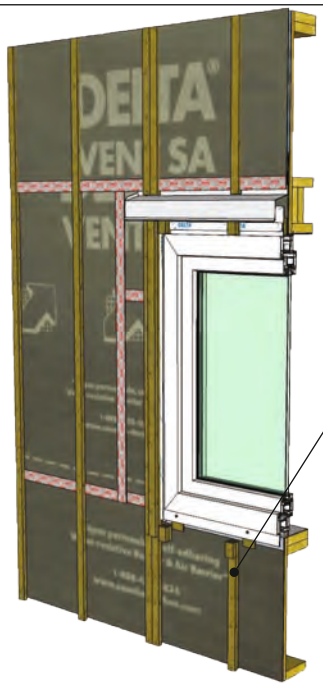


* Not required where there is a self-adhered edge.

Strip-in method

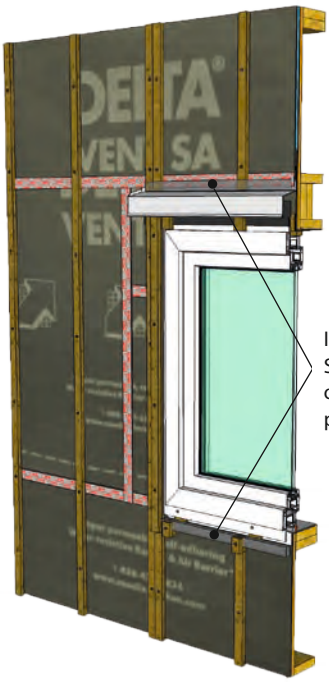
1. With DELTA®-FAS CORNER

Step 21



Install vertical strapping for cladding attachment and to provide cavity for drainage and venting.

Step 22

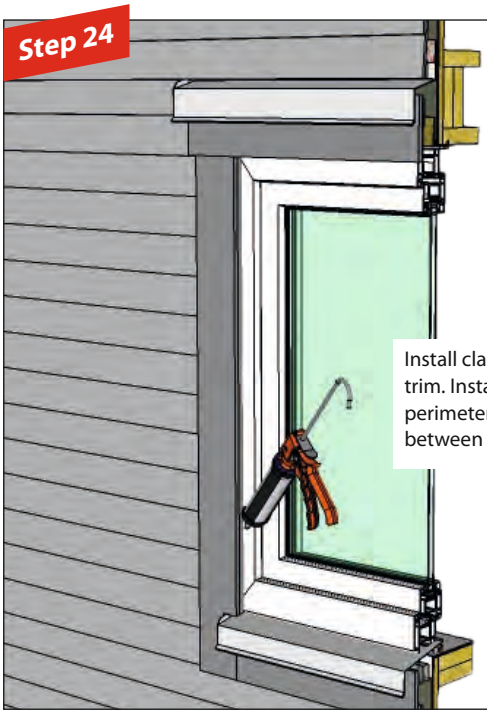


Install DELTA®-BUG SCREEN at cladding openings. Fasten in place with nails.

Step 23

Install metal window sill flashing as part of water-shedding surface.

Step 24

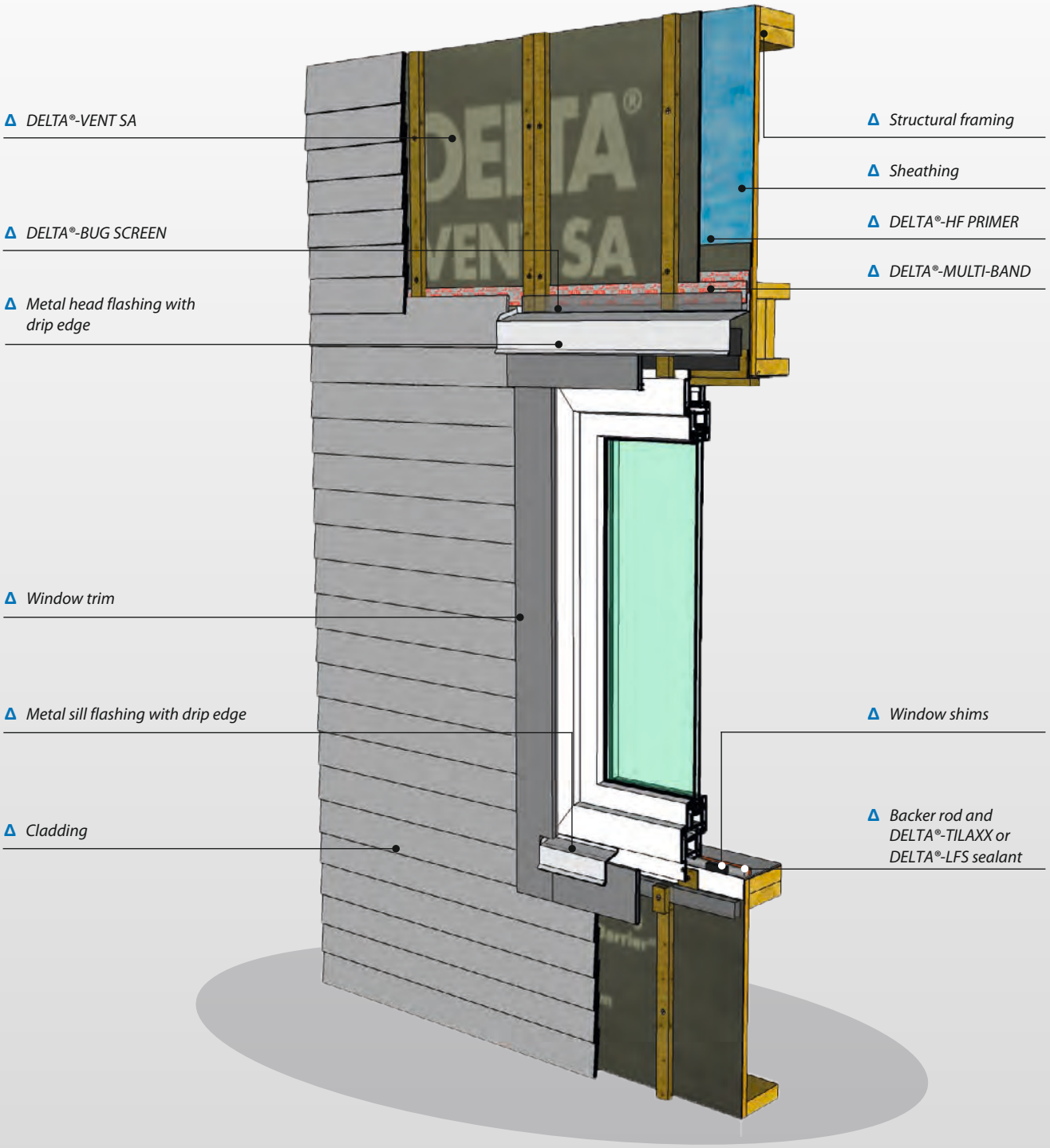


Install cladding and window trim. Install sealant around perimeter of window frame between trim and frame.

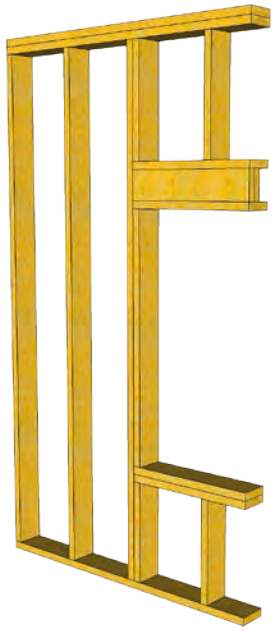
Notes

Strip-in method

2. With flat sill



Step 1



Framing

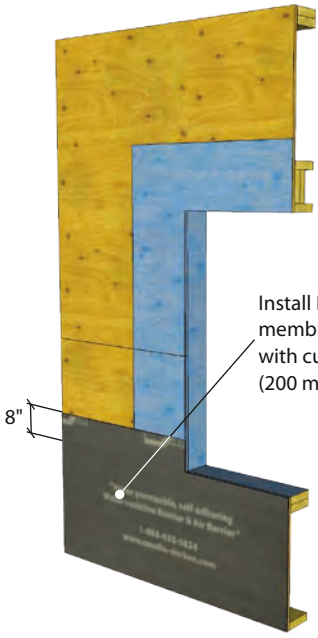
Step 2

Sheathing

Step 3

Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

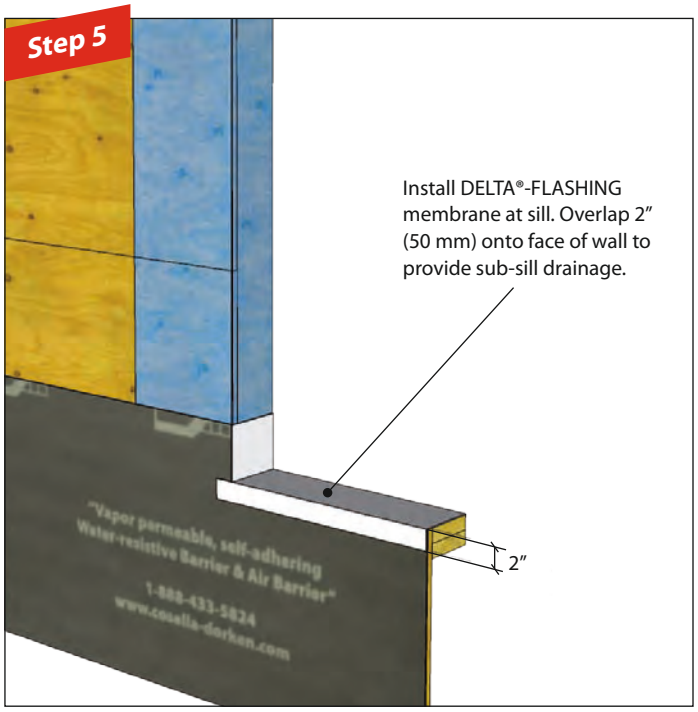
Step 4

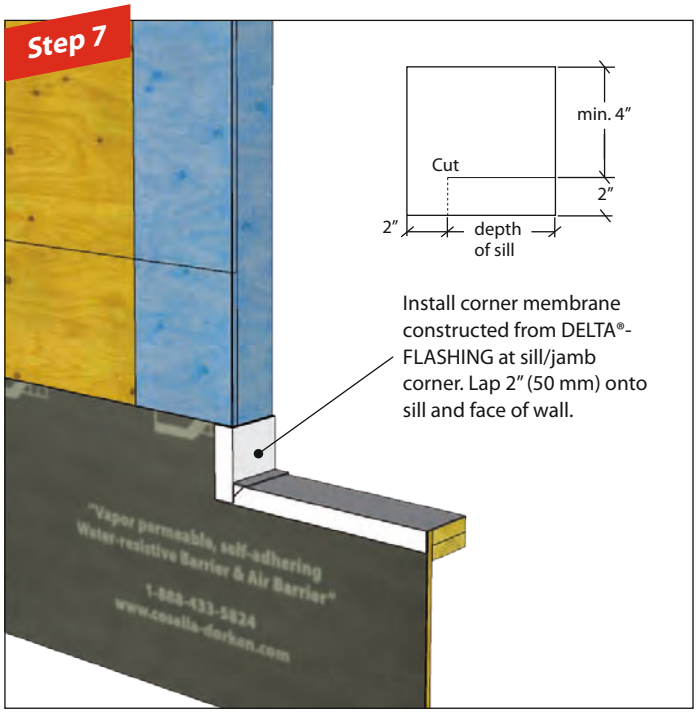


Install DELTA®-VENT SA membrane below window with cut-out minimum 8" (200 mm) above sill.

Strip-in method

2. With flat sill





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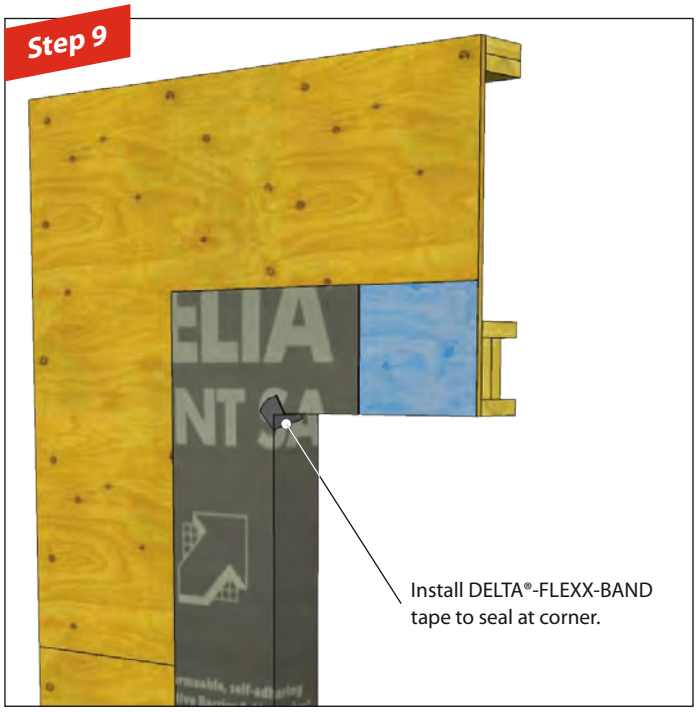
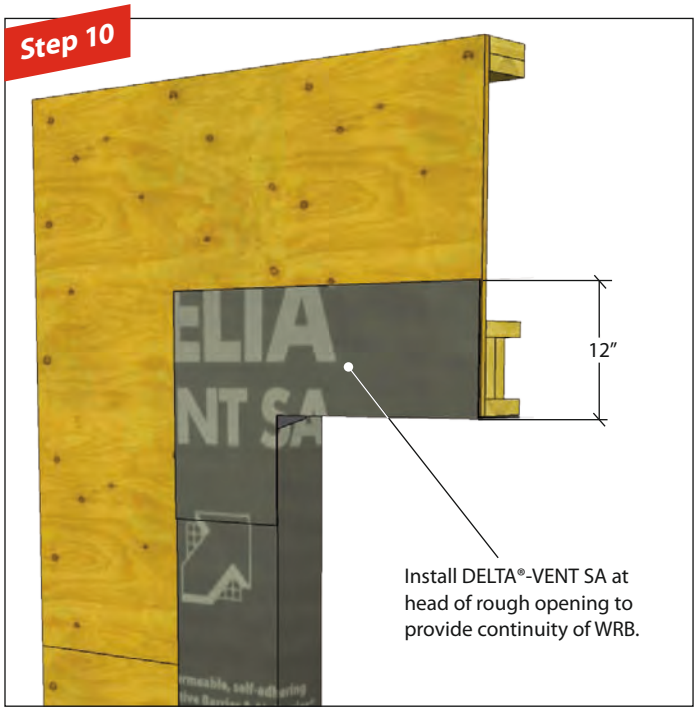


Install DELTA®-FLEXX-BAND tape to seal at corner.

Step 10



Install DELTA®-VENT SA at head of rough opening to provide continuity of WRB.

Step 11

Install DELTA®-MULTI-BAND tape at overlaps to seal membrane and ensure continuity of air barrier.

Step 12

Install 3/8" (10 mm) strapping for window installation to equally shim out window and allow drainage at sill.

Install window shims in accordance with window manufacturer's specifications. Typically at quarter points of rough openings and under setting block locations for window.

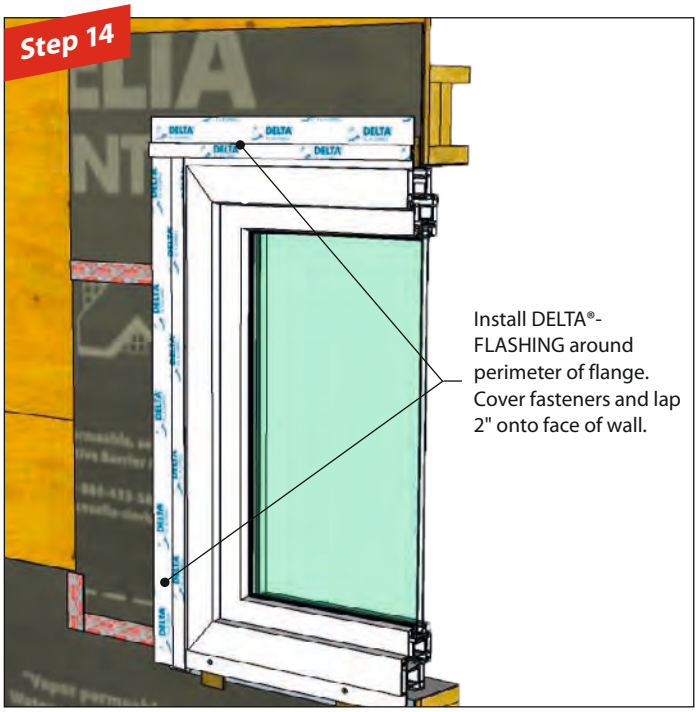
Strip-in method

2. With flat sill

Step 13

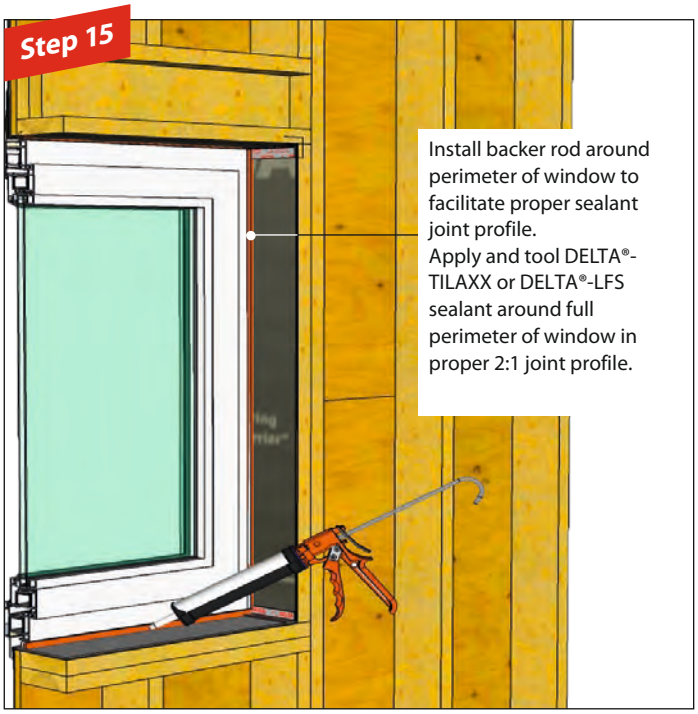
Install window in accordance with manufacturer's specifications.

Step 14



Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 15

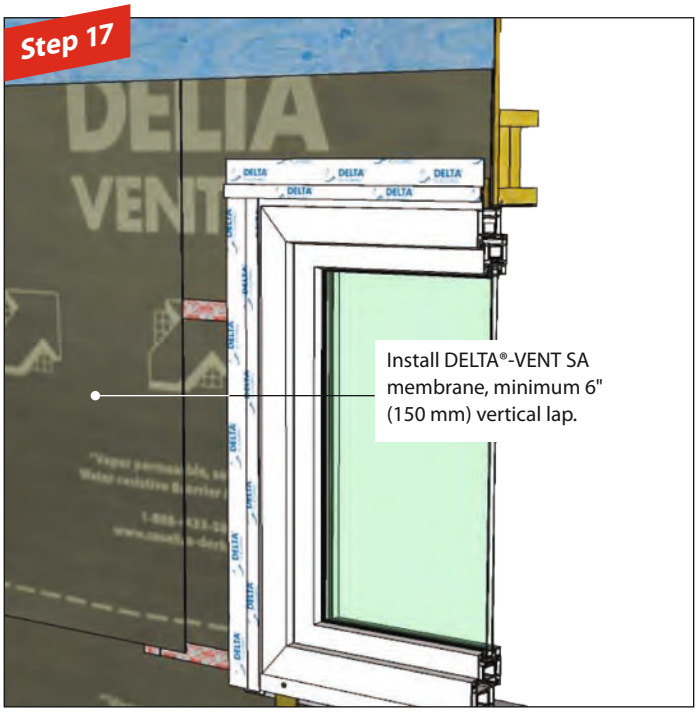


Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

Step 16

Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA

Step 17



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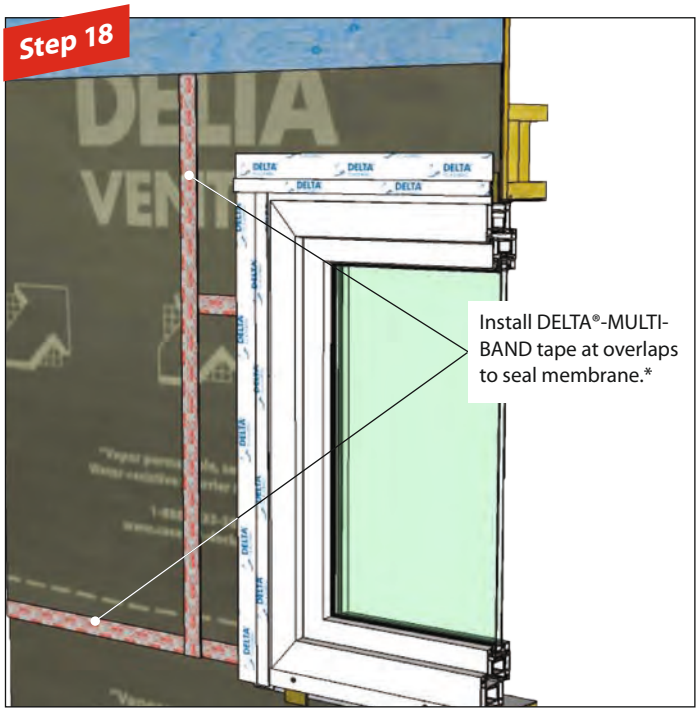

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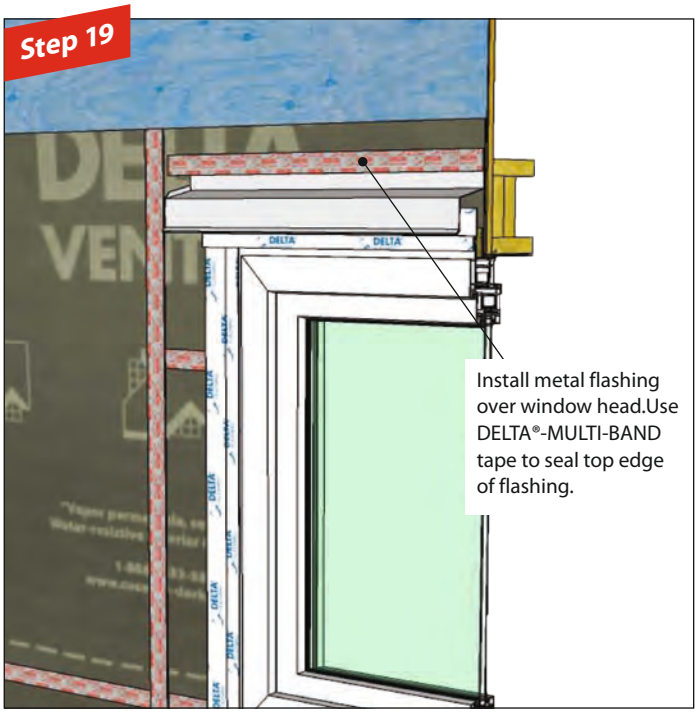

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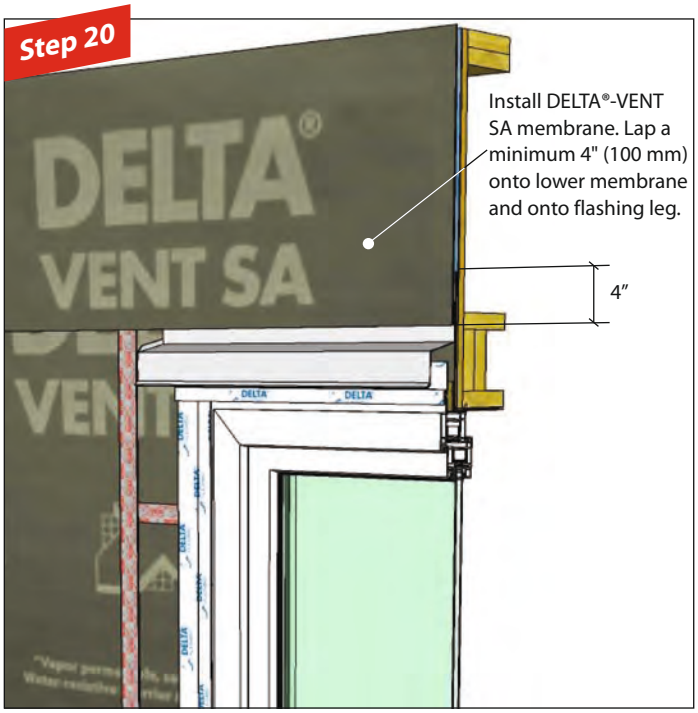
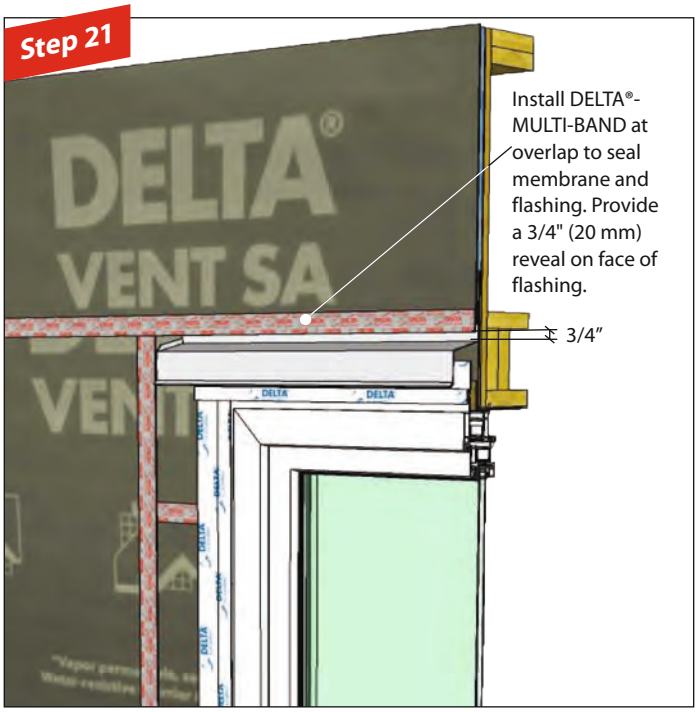


* Not required where there is a self-adhered edge.

Strip-in method

2. With flat sill

Step 21

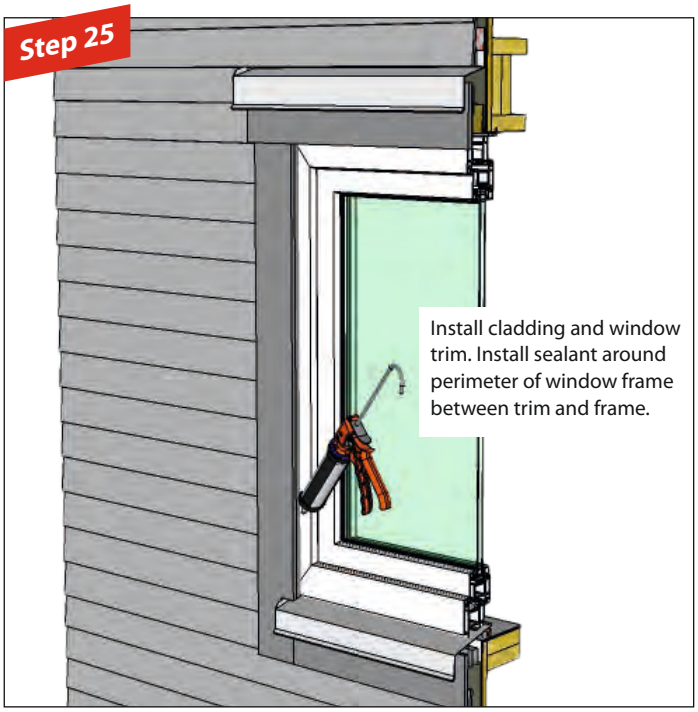


Step 22

Step 23

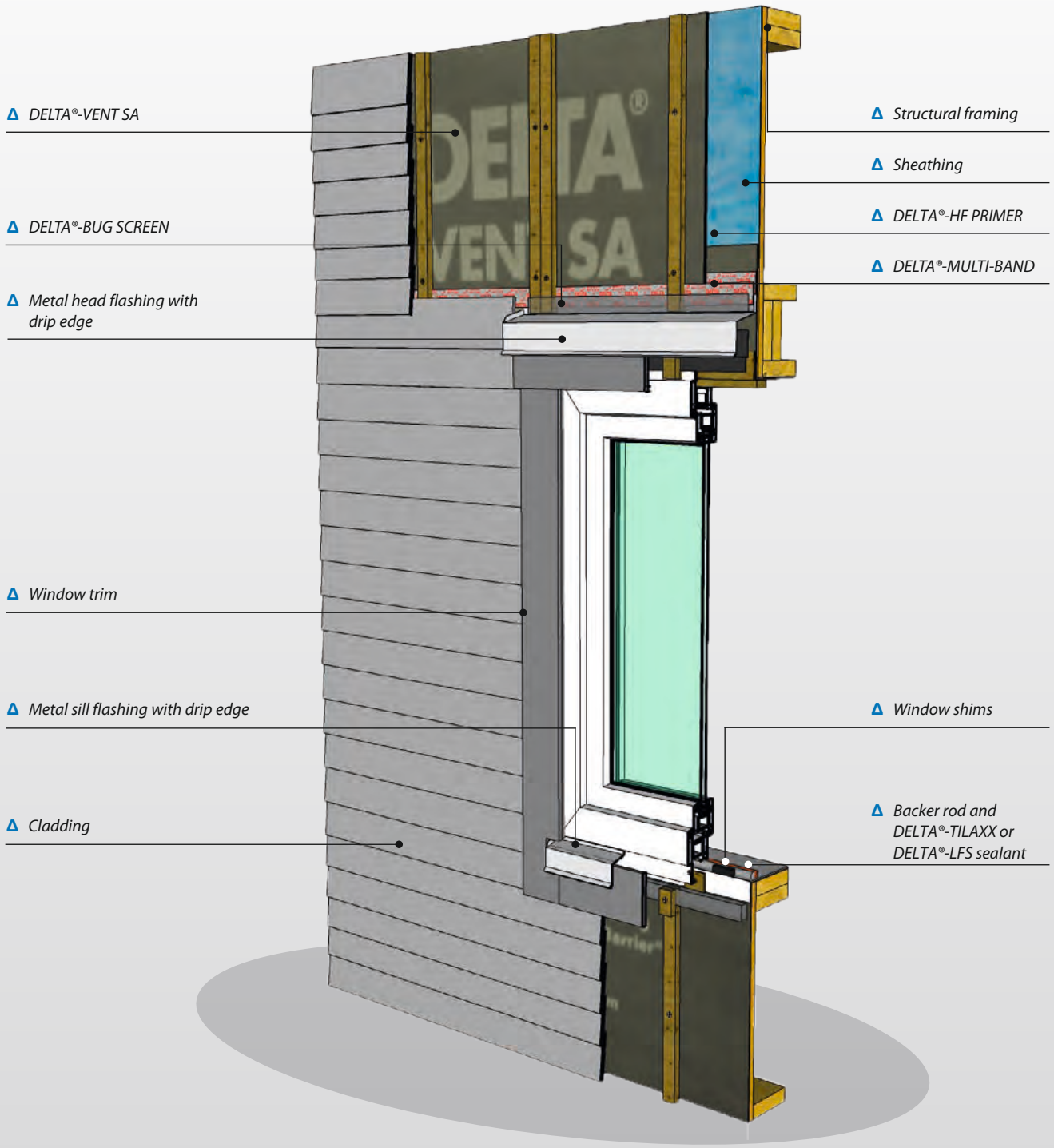
Step 24

Notes

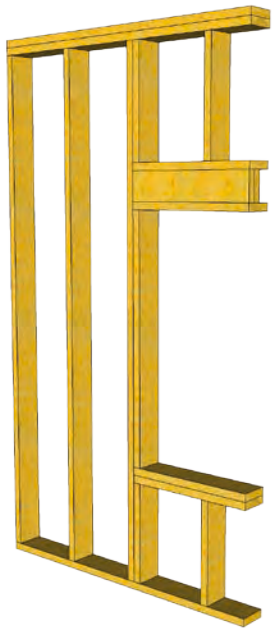

Step 25
Install cladding and window trim. Install sealant around perimeter of window frame between trim and frame.

Strip-in method

3. With sloped sill

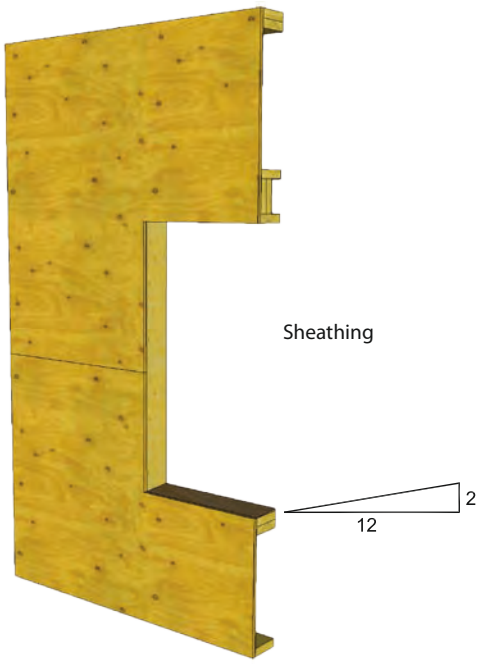


Step 1



Framing

Step 2

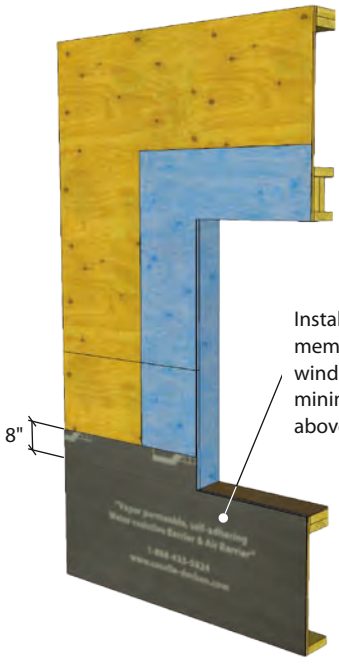


Sheathing

Step 3

Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

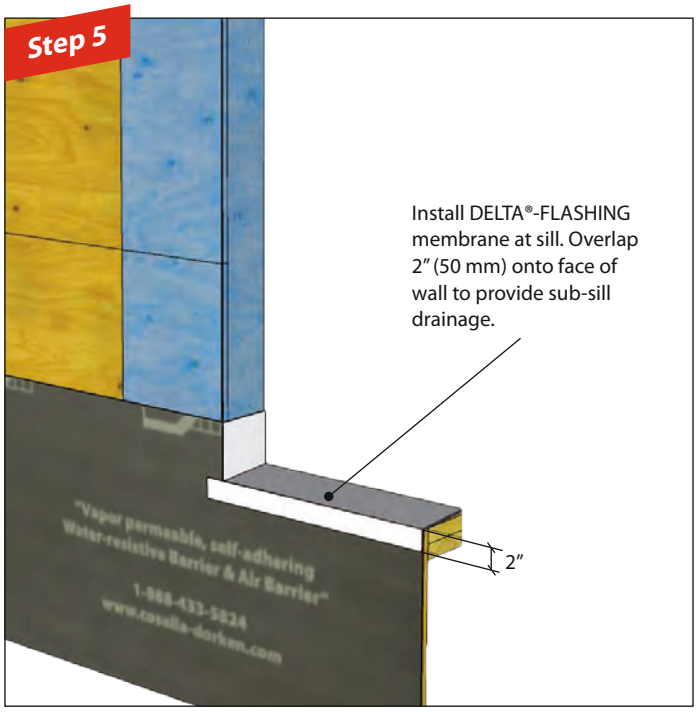
Step 4

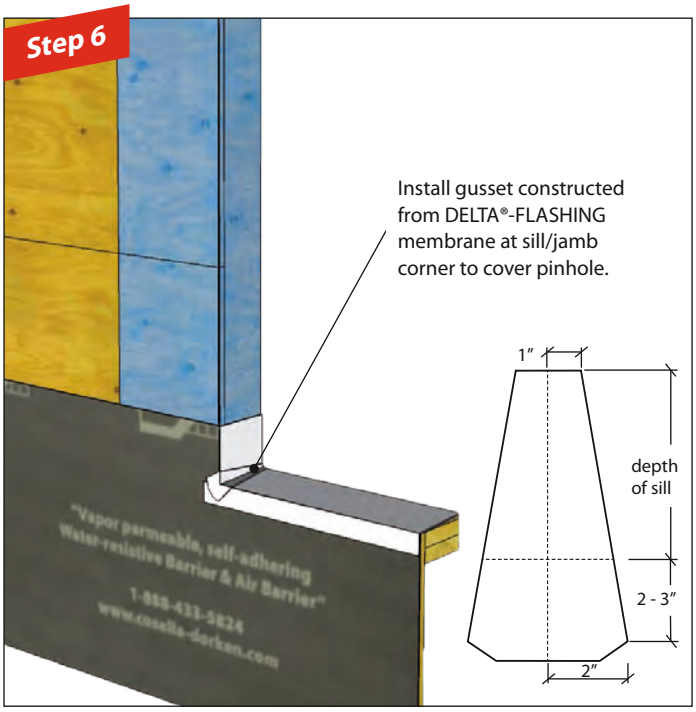


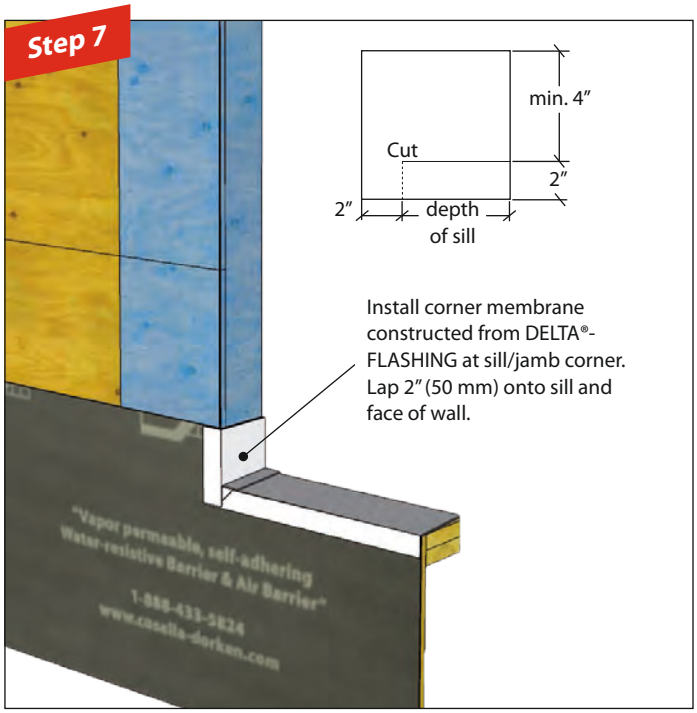
Install DELTA®-VENT SA membrane below window with cut-out minimum 8" (200 mm) above sill.

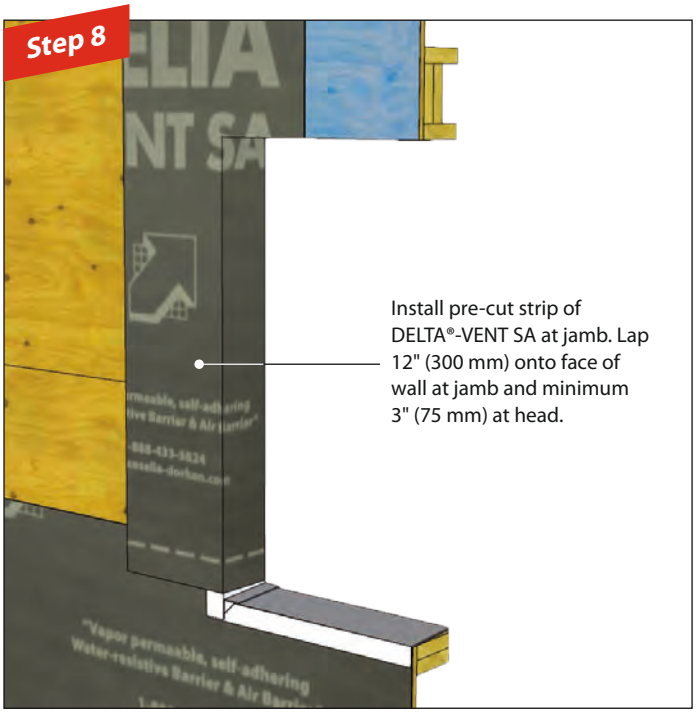
Strip-in method

3. With sloped sill





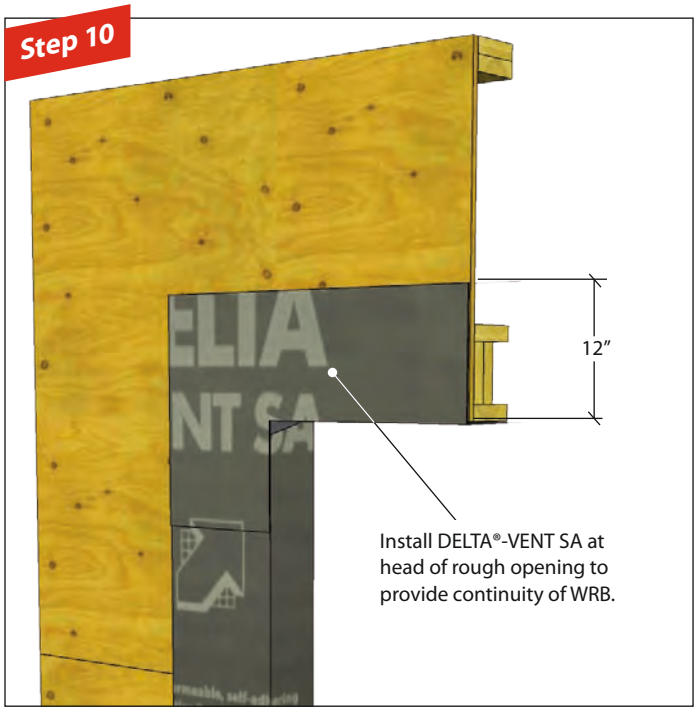




Step 9

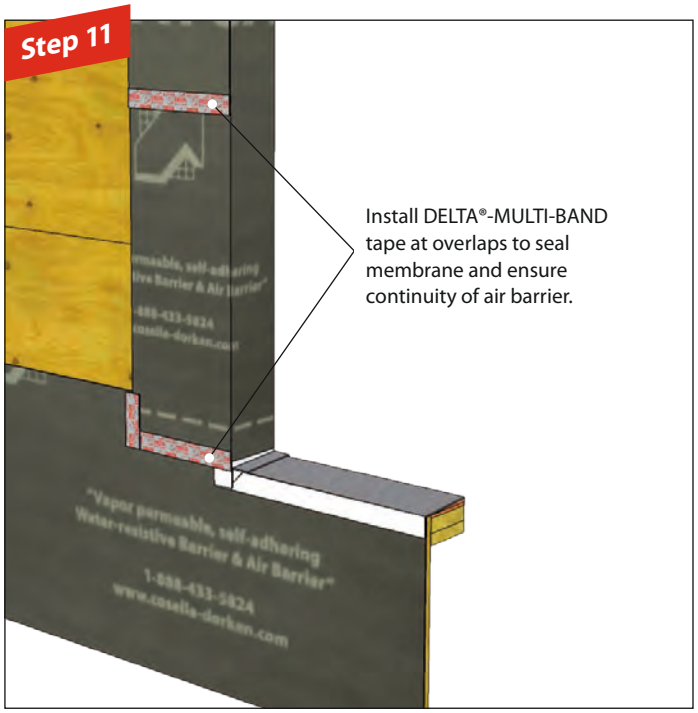
Install DELTA®-FLEXX-BAND tape to seal at corner.

Step 10



Install DELTA®-VENT SA at head of rough opening to provide continuity of WRB.

Step 11



Install DELTA®-MULTI-BAND tape at overlaps to seal membrane and ensure continuity of air barrier.

Step 12

Install 3/8" (10 mm) strapping for window installation to equally shim out window and allow drainage at sill.

Install window shims in accordance with window manufacturer's specifications. Typically at quarter points of rough openings and under setting block locations for window.

Strip-in method

3. With sloped sill

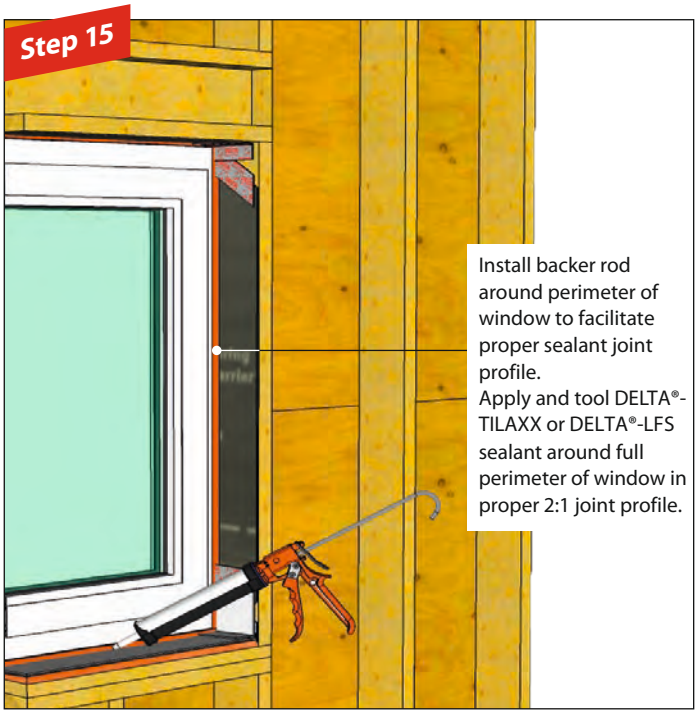
Step 13

Install window in accordance with manufacturer's specifications.

Step 14

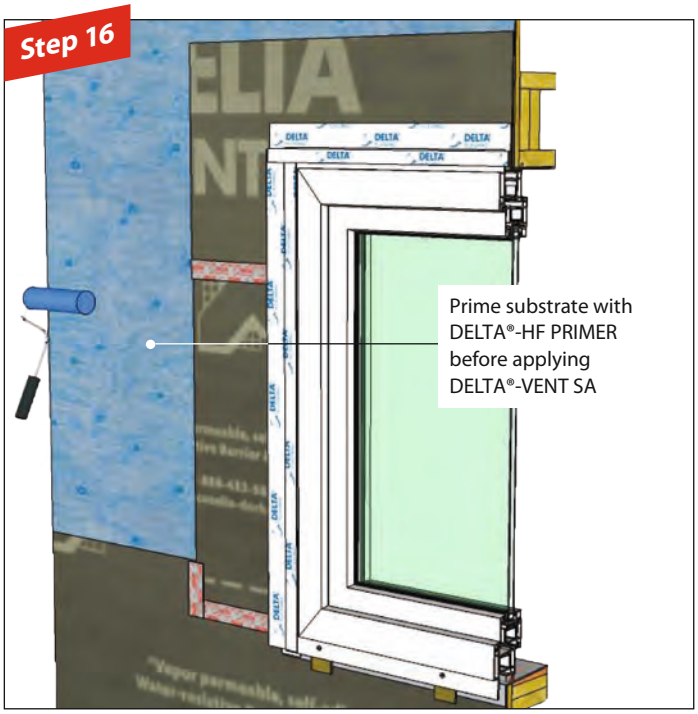
Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 15



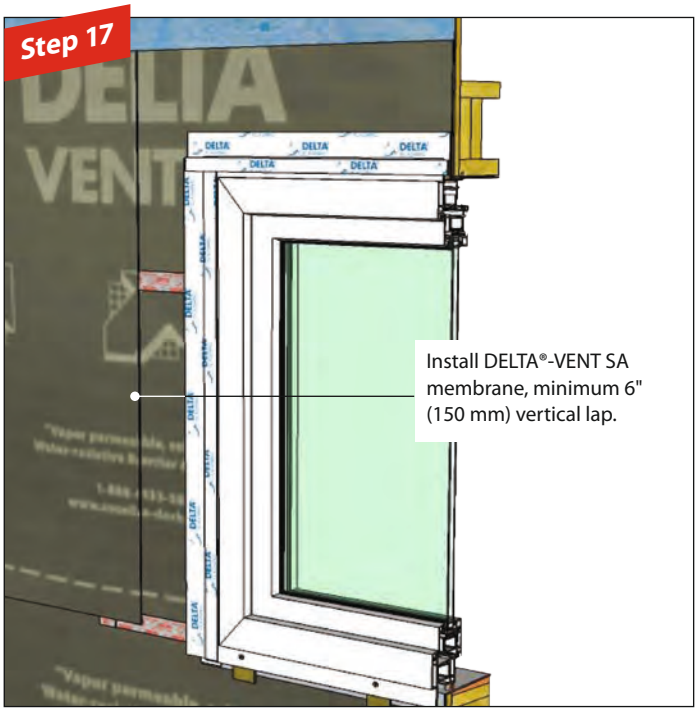
Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

Step 16

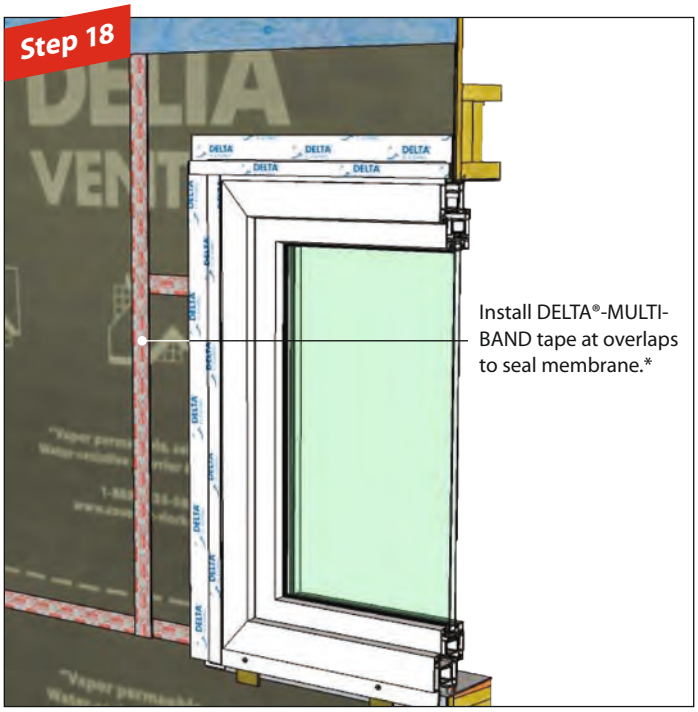


Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA

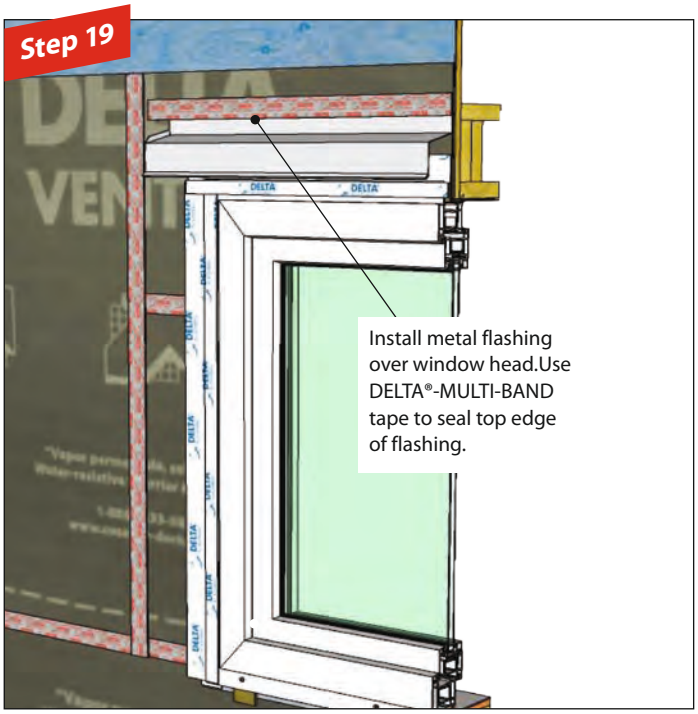
Step 17



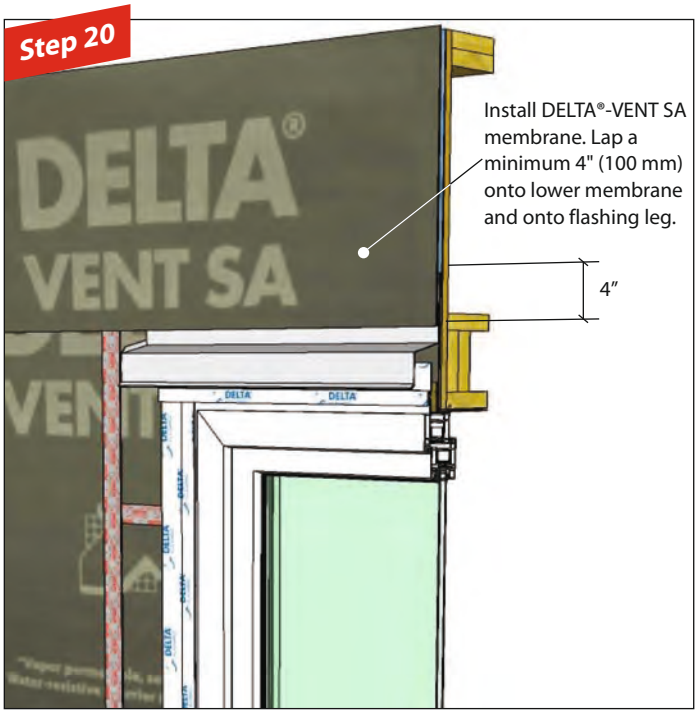
Step 18



Step 19



Step 20

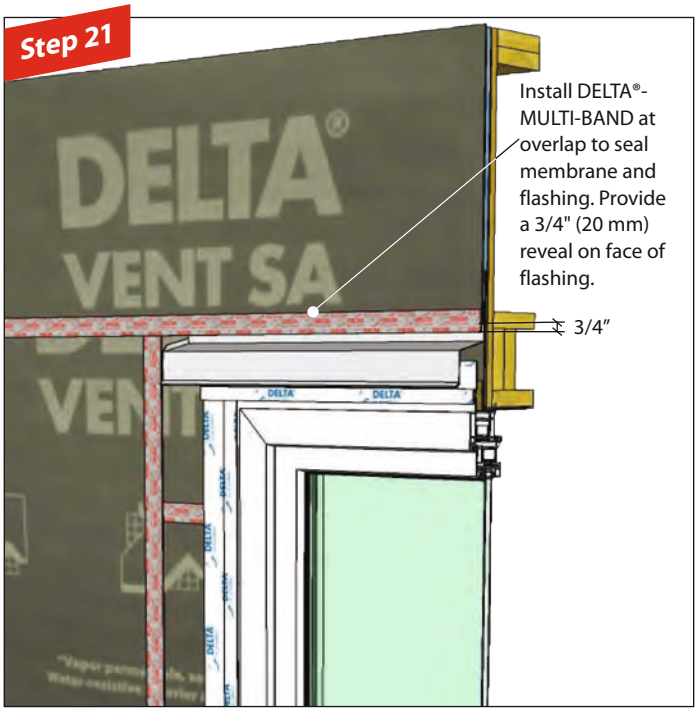


* Not required where there is a self-adhered edge.

Strip-in method

3. With sloped sill

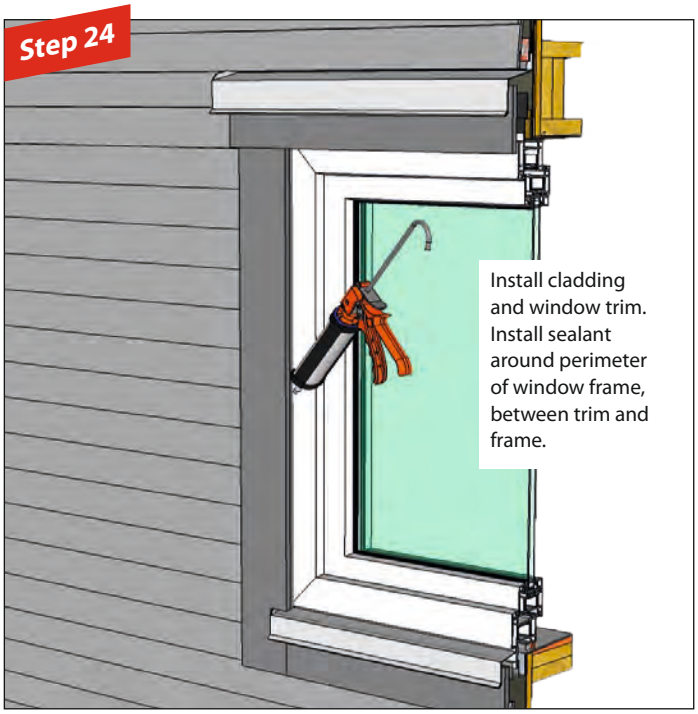
Step 21



Step 22

Step 23

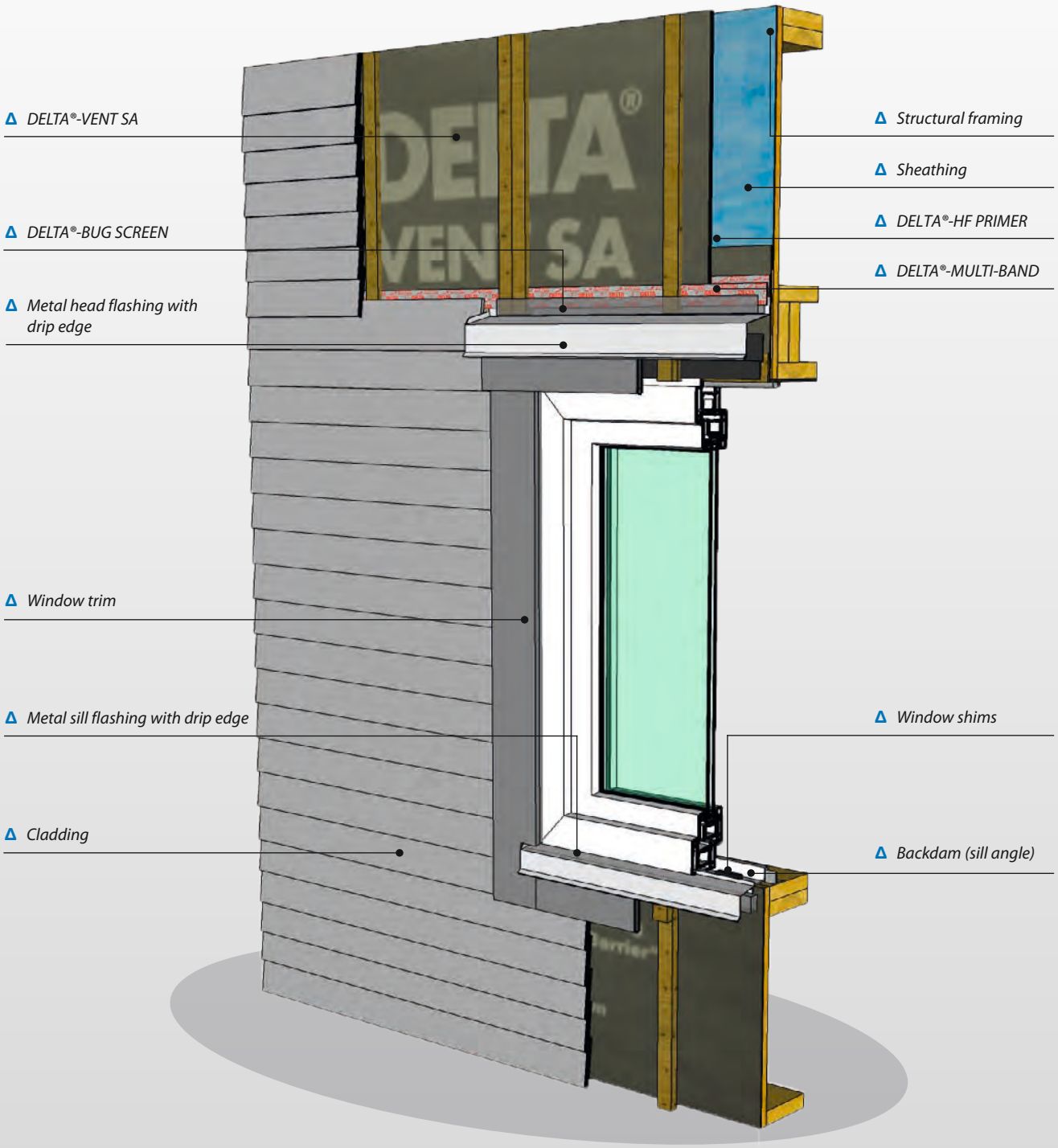
Step 24



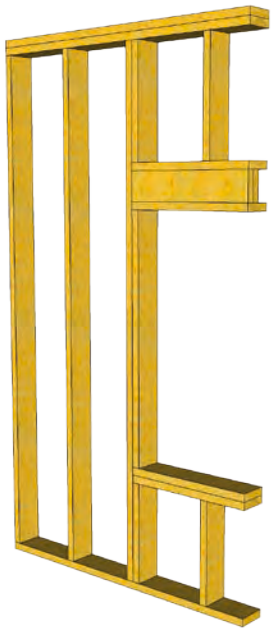
Notes

Strip-in method

4. With backdam



Step 1



Framing

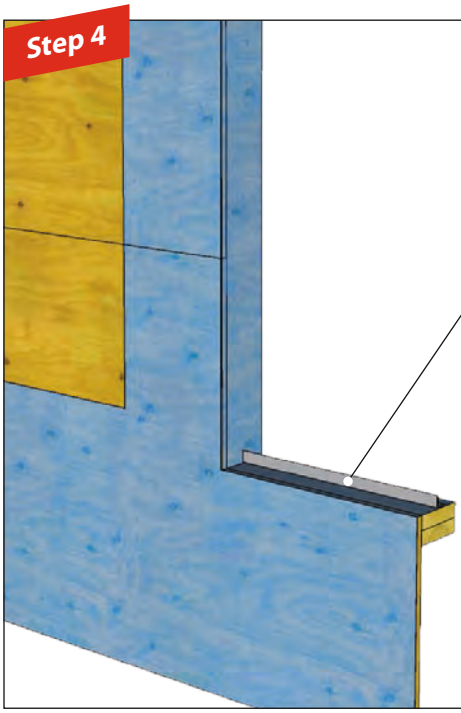
Step 2

Sheathing

Step 3

Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

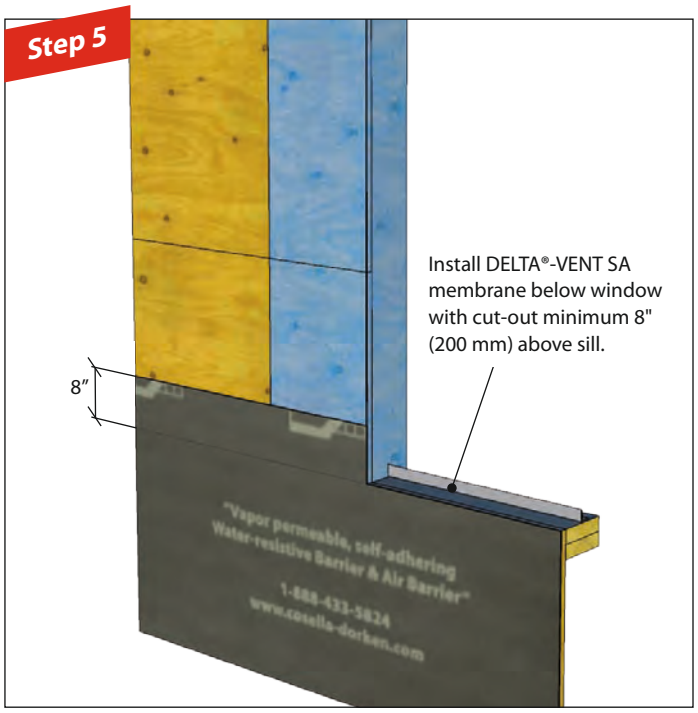
Step 4

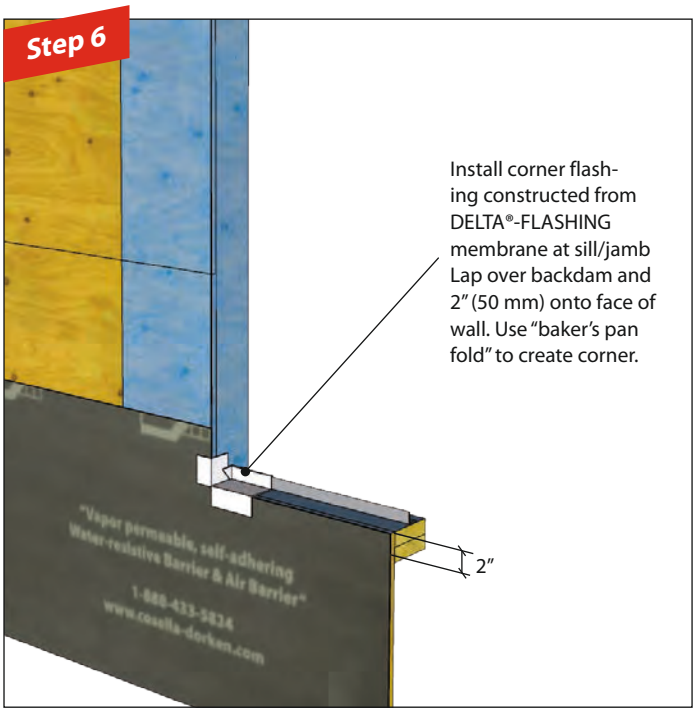


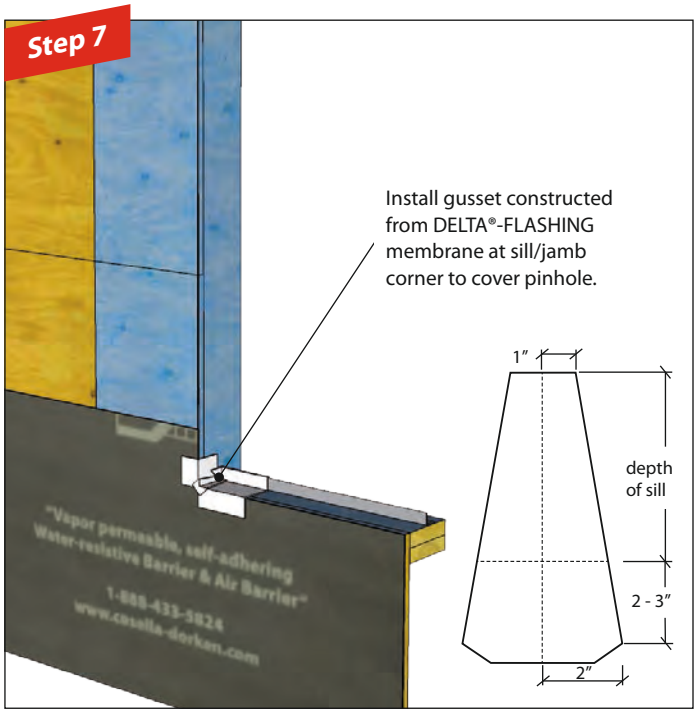
Install backdam at expected depth of window.

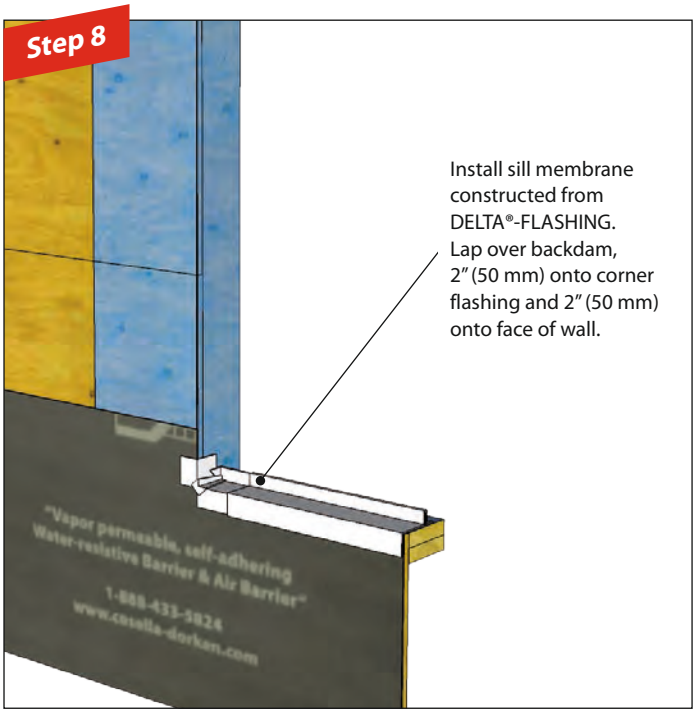
Strip-in method

4. With backdam

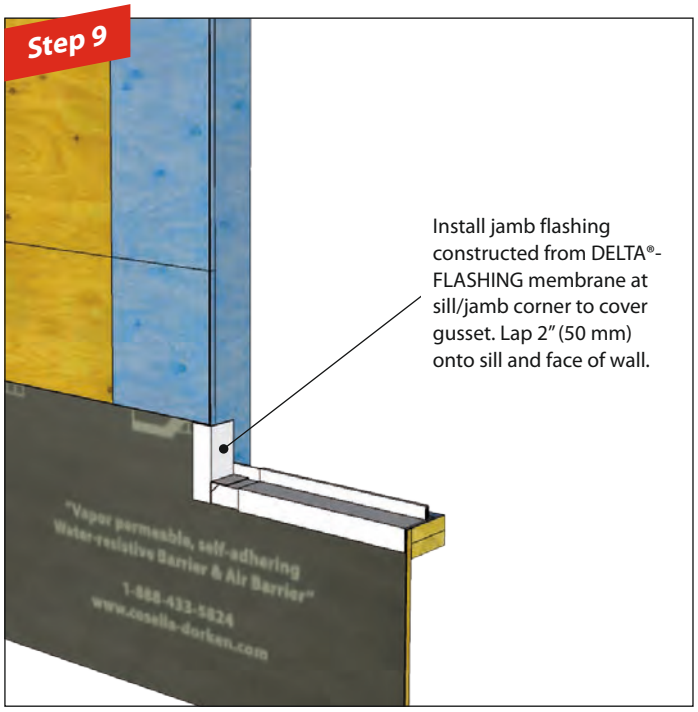






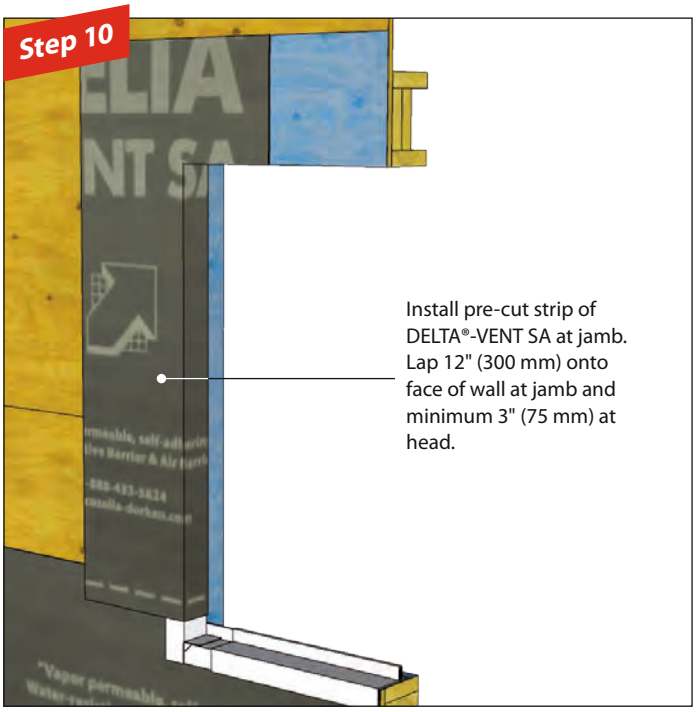


Step 9



Install jamb flashing constructed from DELTA®-FLASHING membrane at sill/jamb corner to cover gusset. Lap 2″ (50 mm) onto sill and face of wall.

Step 10



Install pre-cut strip of DELTA®-VENT SA at jamb. Lap 12" (300 mm) onto face of wall at jamb and minimum 3" (75 mm) at head.

Step 11

Install DELTA®-FLEXX-BAND tape to seal at corner.

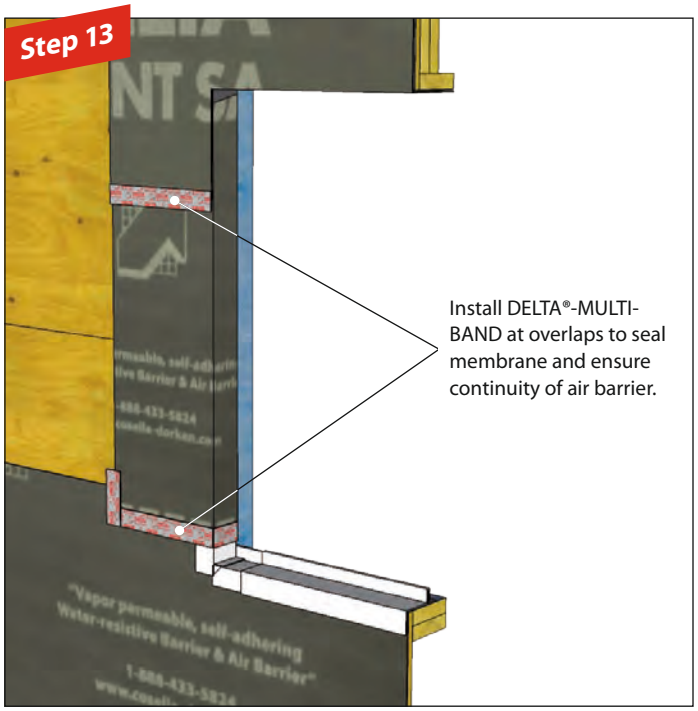
Step 12

Install DELTA®-VENT SA membrane at head of rough opening to provide continuity of WRB.

Strip-in method

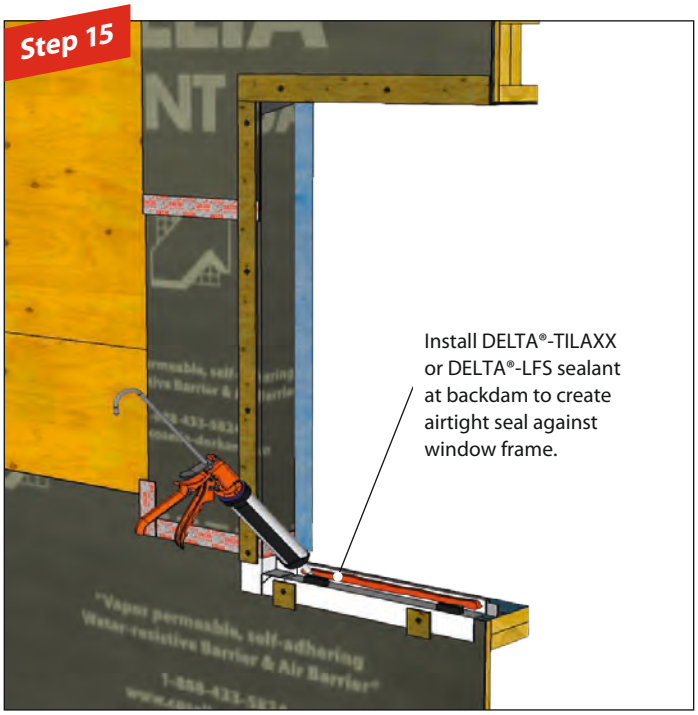
4. With backdam

Step 13



Step 14

Step 15

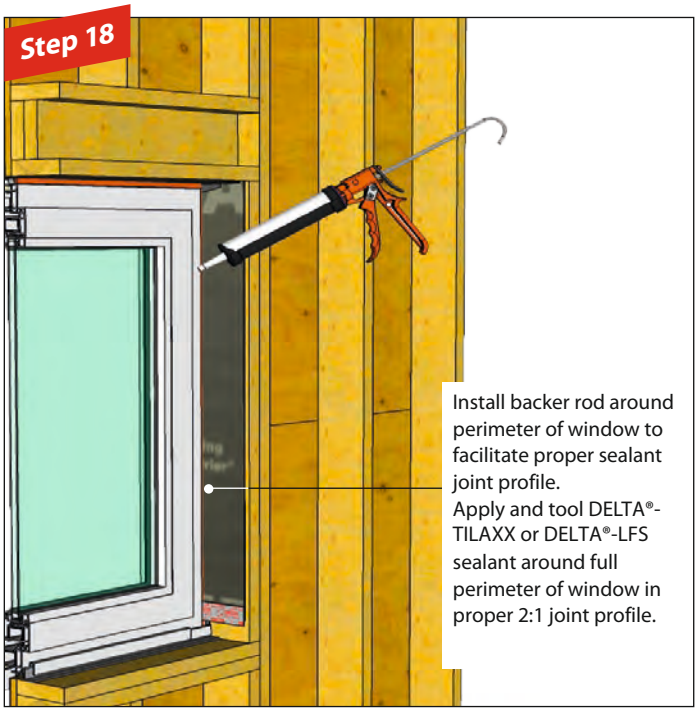


Step 16

Step 17

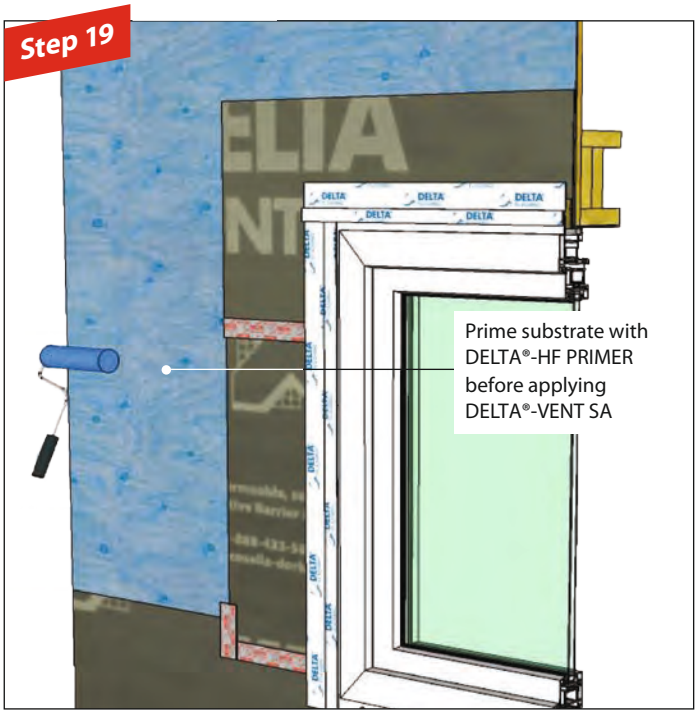
Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 18



Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

Step 19



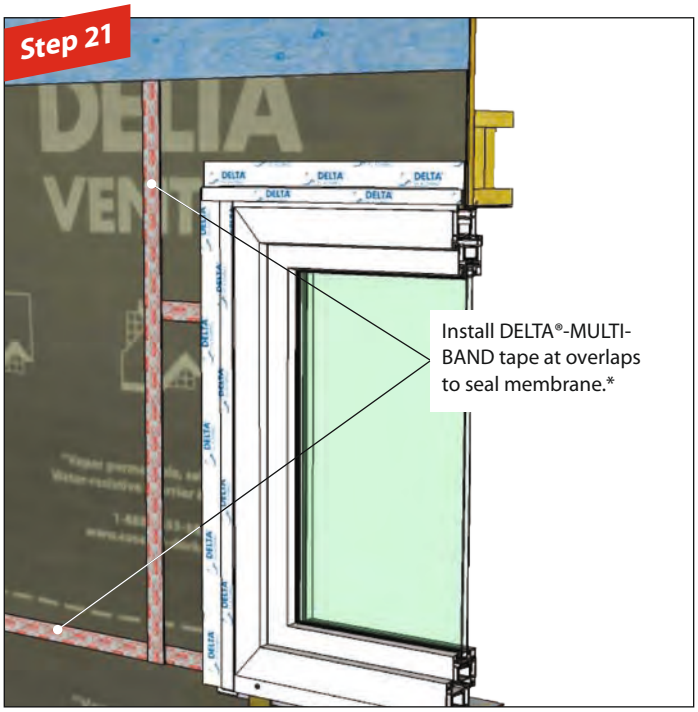
Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA

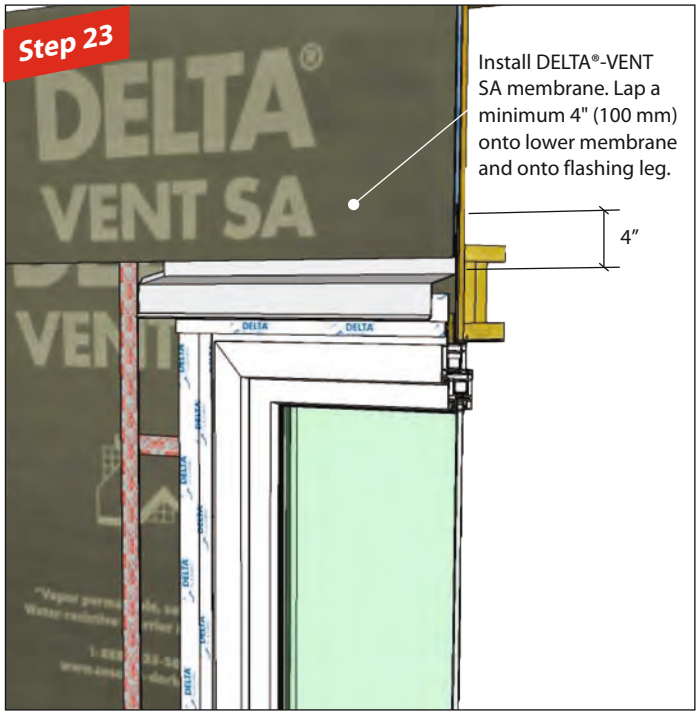
Step 20

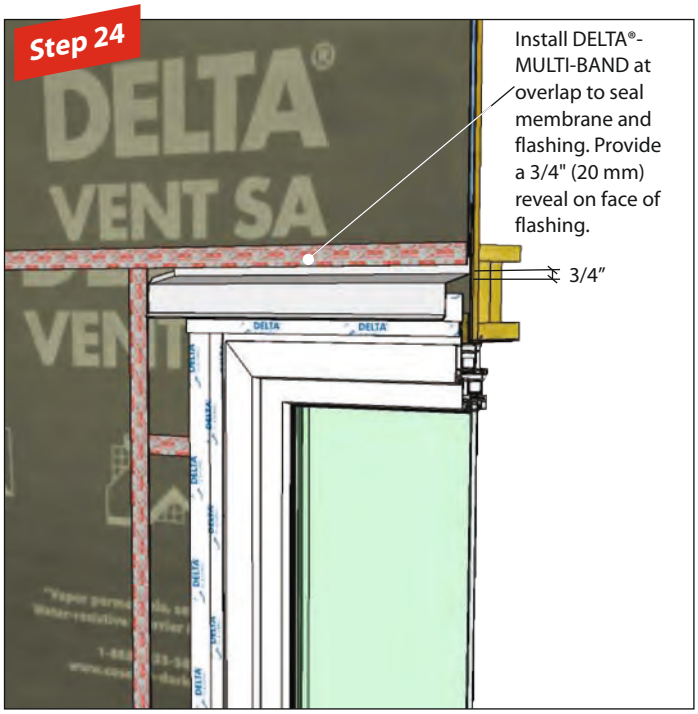
Install DELTA®-VENT SA membrane, minimum 6" (150 mm) vertical lap.

Strip-in method

4. With backdam

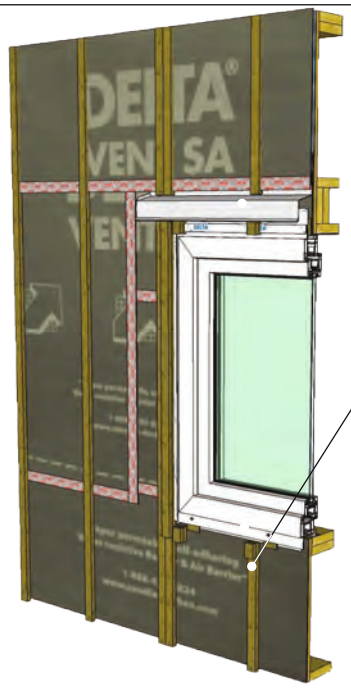






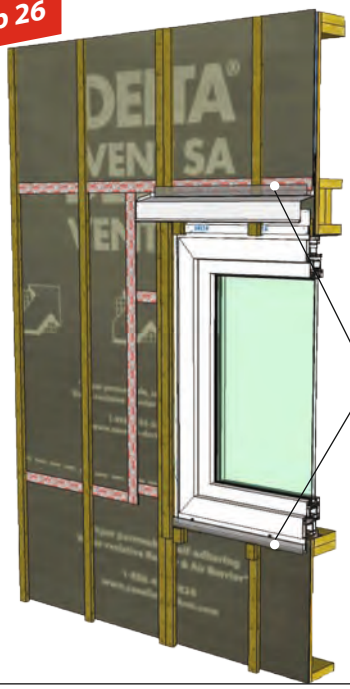
* Not required where there is a self-adhered edge.

Step 25



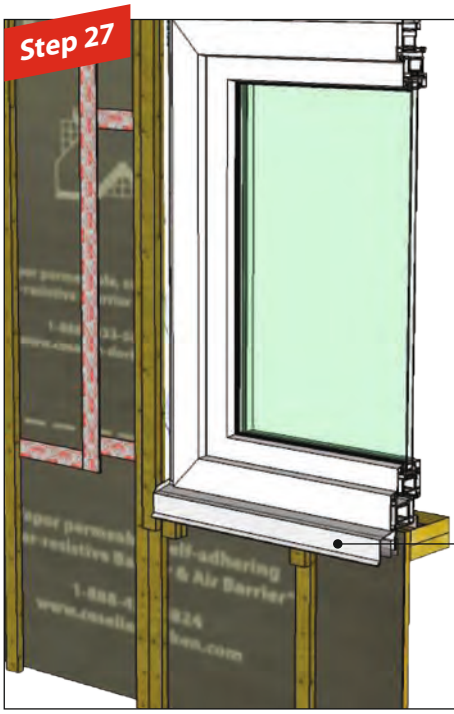
Install vertical strapping for cladding attachment and to provide cavity for drainage and venting.

Step 26



Install DELTA®-BUG SCREEN at cladding openings. Fasten in place with nails.

Step 27



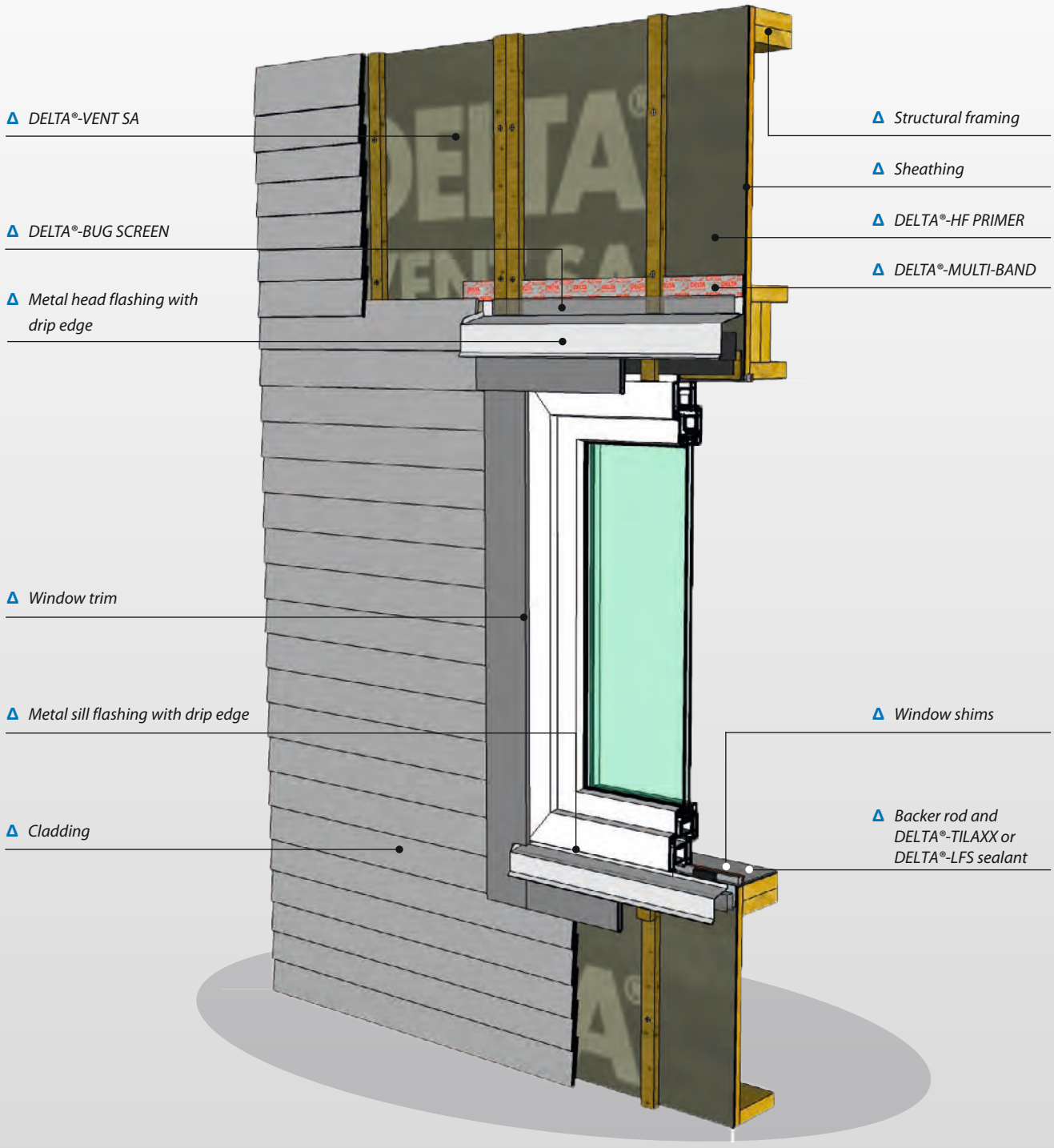
Install metal window sill flashing as part of water-shedding surface.

Step 28

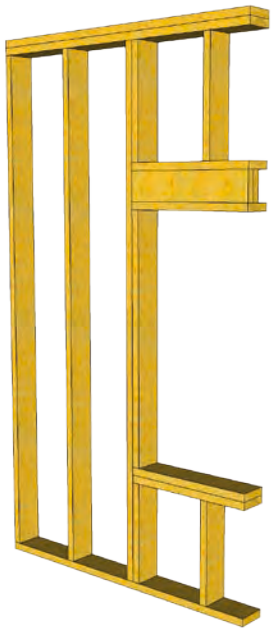
Install cladding and window trim. Install sealant around perimeter of window frame, between trim and frame.

Cut-out method

5. With DELTA®-FAS CORNER



Step 1

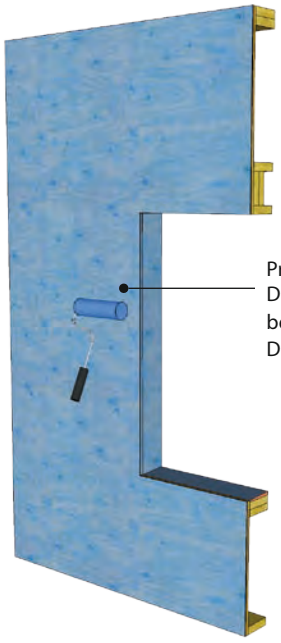


Framing

Step 2

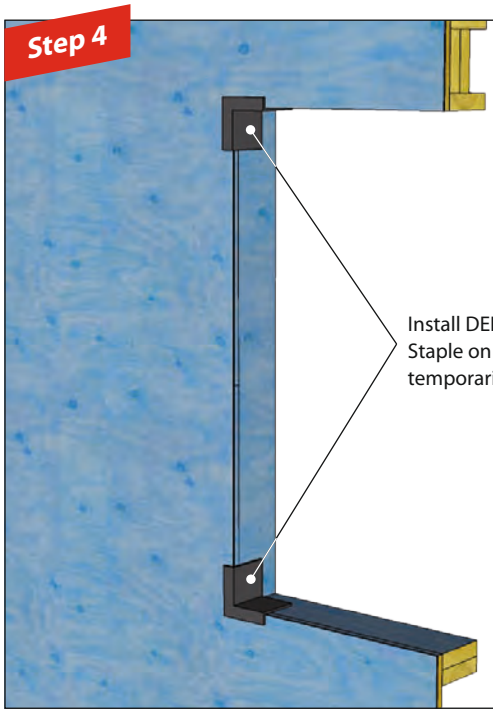
Sheathing

Step 3



Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

Step 4



Install DELTA®-FAS CORNERS. Staple on vertical leg to temporarily hold in place.

Cut-out method

5. With DELTA®-FAS CORNER

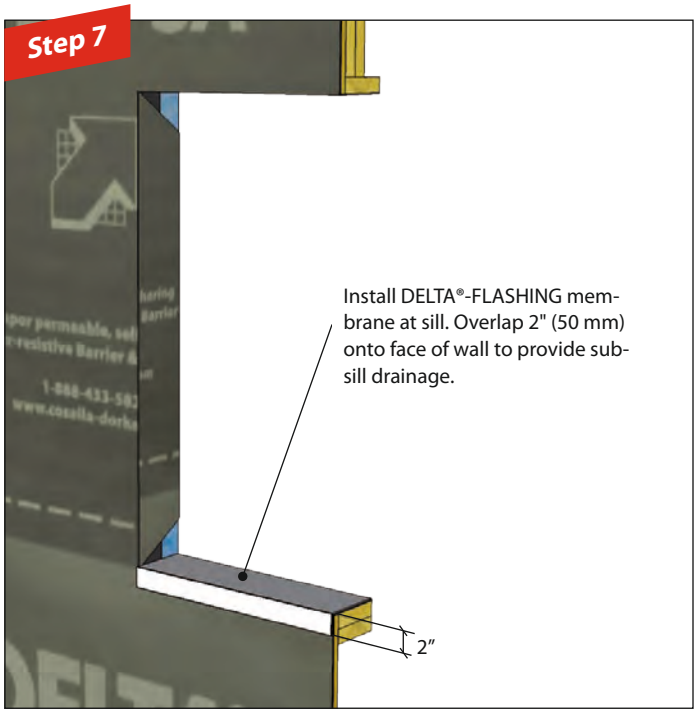
Step 5

Install DELTA®-VENT SA membrane over entire wall surface. X-cut the membrane.

Step 6

Fold in membrane around header, sill and jamb.

Step 7



Install DELTA®-FLASHING membrane at sill. Overlap 2" (50 mm) onto face of wall to provide sub-sill drainage.

Step 8

Install DELTA®-MULTI-BAND gusset at jamb/sill corner to seal pinhole. Overlap onto face of wall.

Step 9

Install DELTA®-MULTI-BAND vertically to seal edge of corner and maintain air barrier continuity.

Step 10

Install DELTA®-MULTI-BAND diagonally to seal edge of membrane.

Step 11

Install DELTA®-MULTI-BAND at jamb to seal edge of membrane. Overlap onto face of wall.

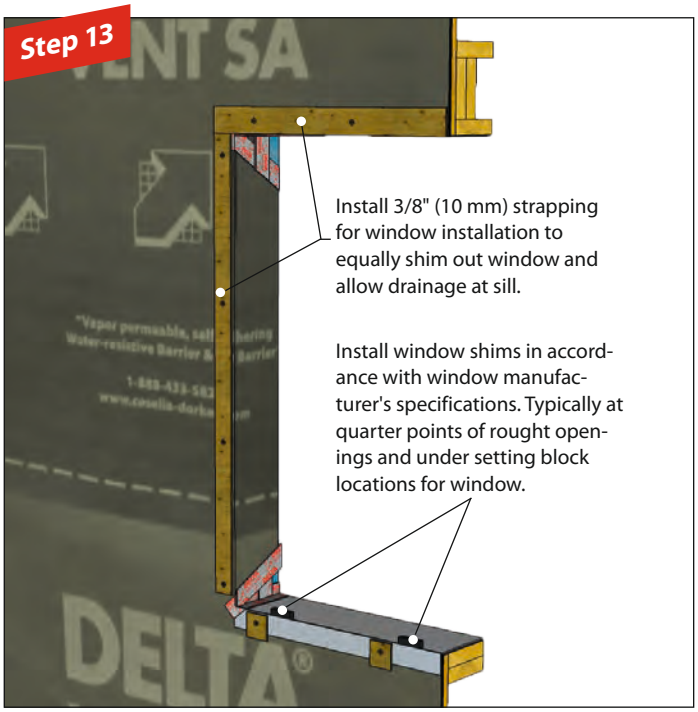
Step 12

Install DELTA®-MULTI-BAND gusset at jamb/head corner. Seal face end of gusset with DELTA®-MULTI-BAND.

Cut-out method

5. With DELTA®-FAS CORNER

Step 13



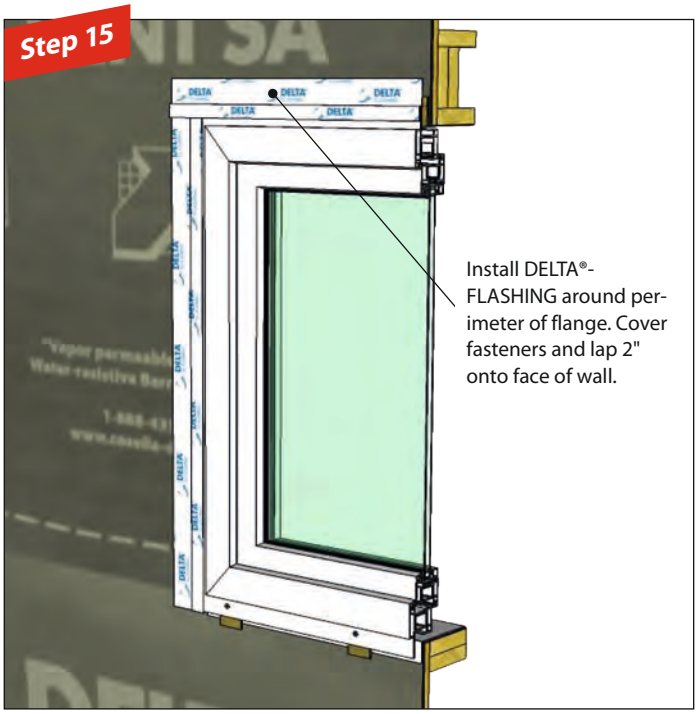
Install 3/8" (10 mm) strapping for window installation to equally shim out window and allow drainage at sill.

Install window shims in accordance with window manufacturer's specifications. Typically at quarter points of rought openings and under setting block locations for window.

Step 14

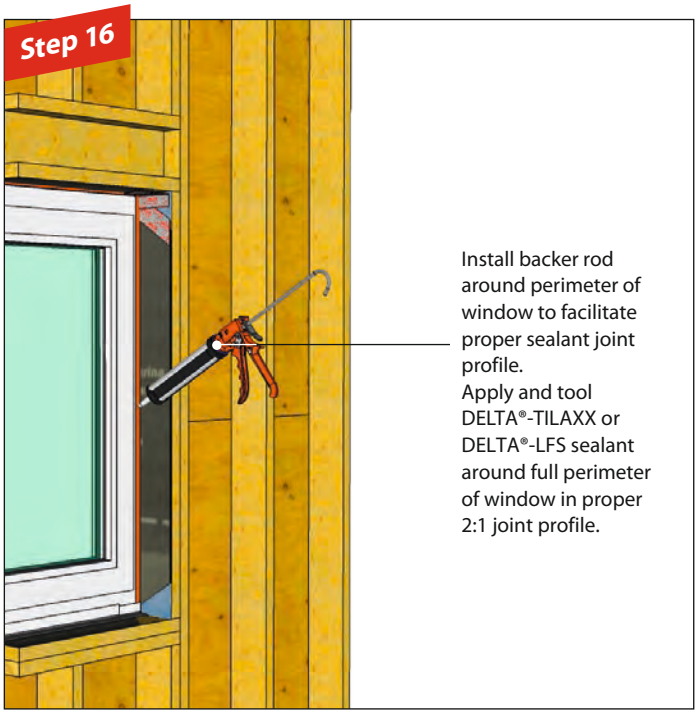
Install window in accordance with manufacturer's specifications.

Step 15



Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 16

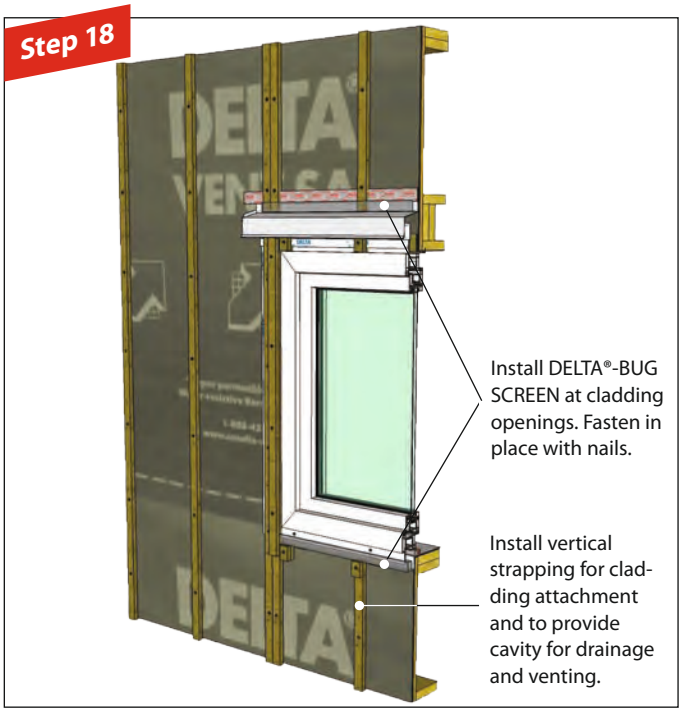


Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

Step 17

Install metal flashing at window head. Seal with DELTA®-MULTI-BAND tape.

Step 18



Install DELTA®-BUG SCREEN at cladding openings. Fasten in place with nails.

Install vertical strapping for cladding attachment and to provide cavity for drainage and venting.

Step 19

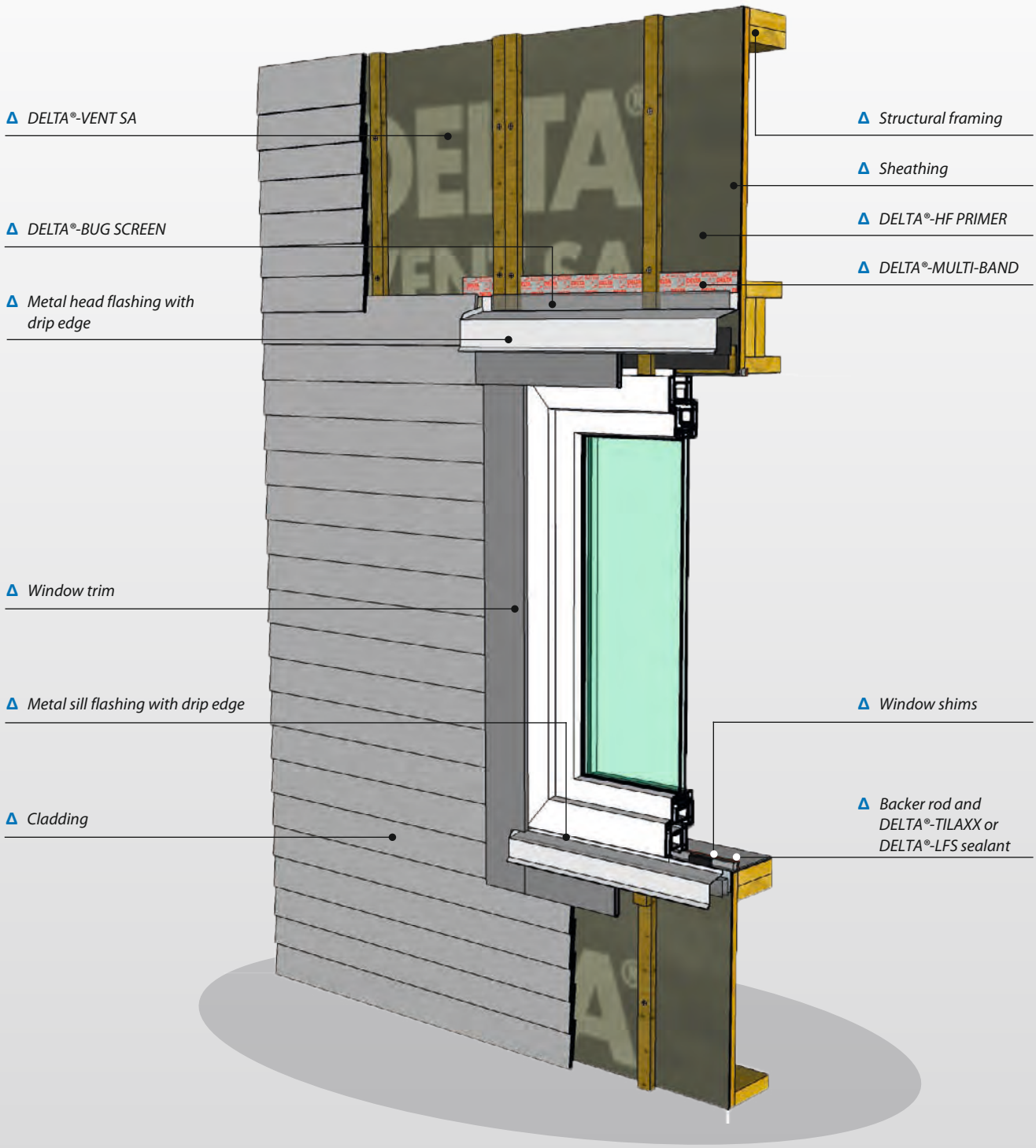
Install metal window sill flashing as part of water-shedding surface.

Step 20

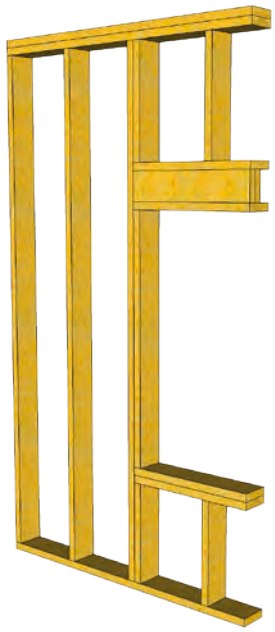
Install cladding and window trim. Install sealant around perimeter of window frame, between trim and frame.

Cut-out method

6. With flat sill

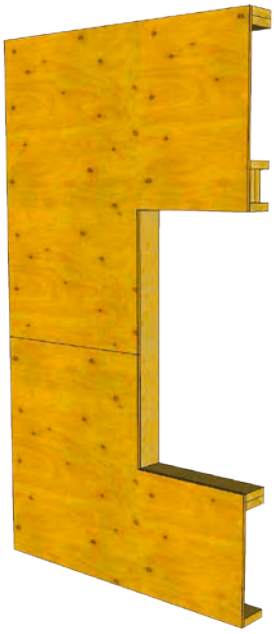


Step 1



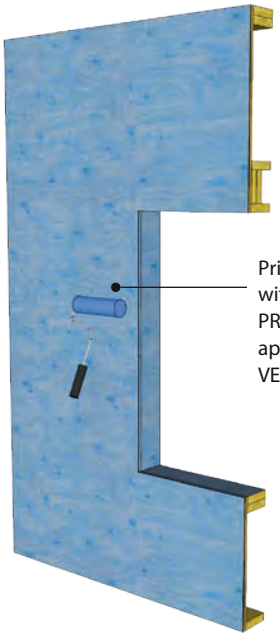
Framing

Step 2



Sheathing

Step 3



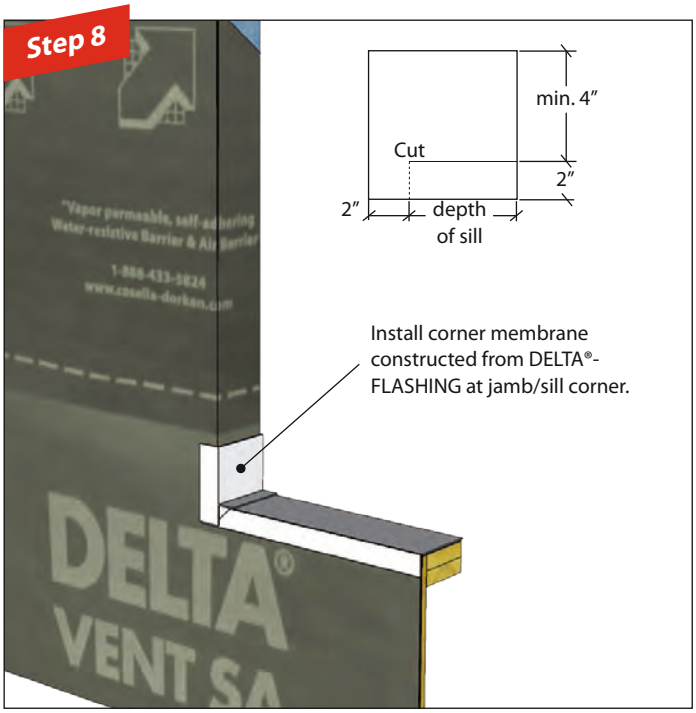
Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

Step 4

Install DELTA®-VENT SA membrane over entire wall surface. X-cut the membrane.

Cut-out method

6. With flat sill



Step 9

Install DELTA®-MULTI-BAND to seal membrane lap and ensure continuity of air barrier.

Step 10

Install DELTA®-MULTI-BAND to seal edge at header. Lap 2" (50 mm) onto face of wall.

Step 11

Install DELTA®-MULTI-BAND gusset at jamb/head corner. Seal face end of gusset with DELTA®-MULTI-BAND.

Step 12

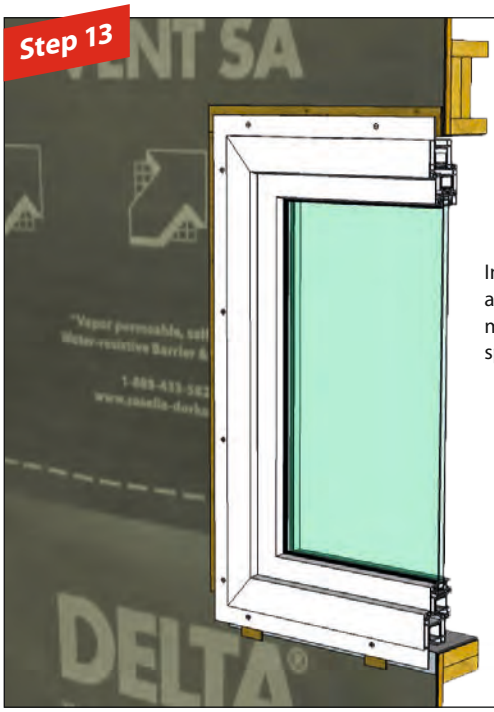
Install 3/8" (10 mm) strapping for window installation to equally shim out window and allow drainage at sill.

Install window shims in accordance with window manufacturer's specifications. Typically at quarter points of rought openings and under setting block locations for window.

Cut-out method

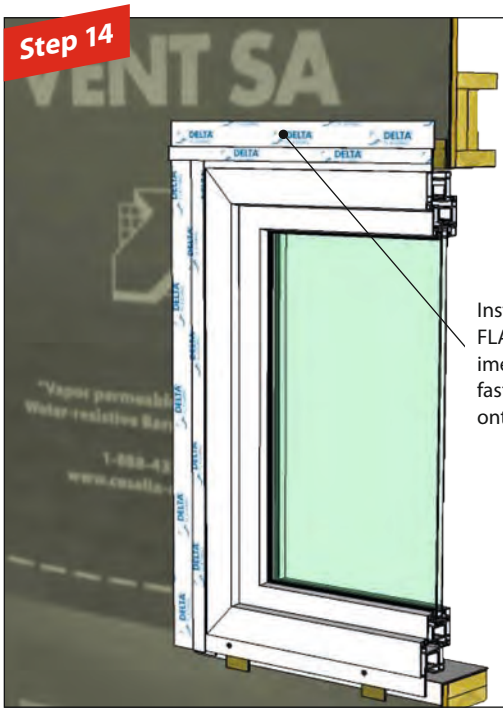
6. With flat sill

Step 13



Install window in accordance with manufacturer's specifications.

Step 14

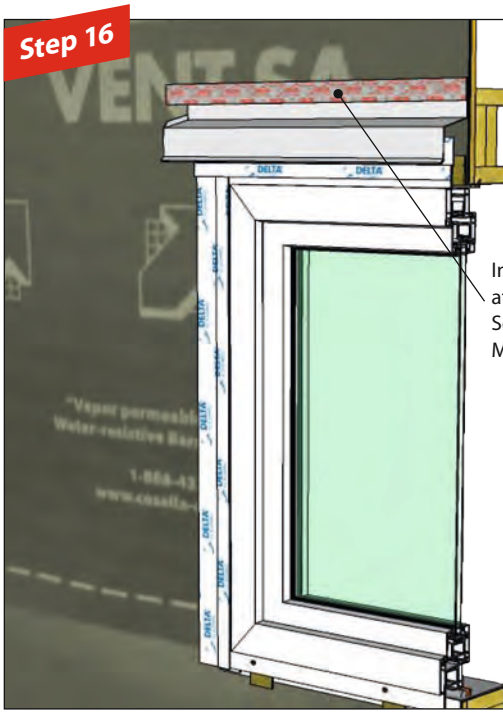


Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 15

Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

Step 16



Install metal flashing at window head. Seal with DELTA®-MULTI-BAND tape.

Step 17

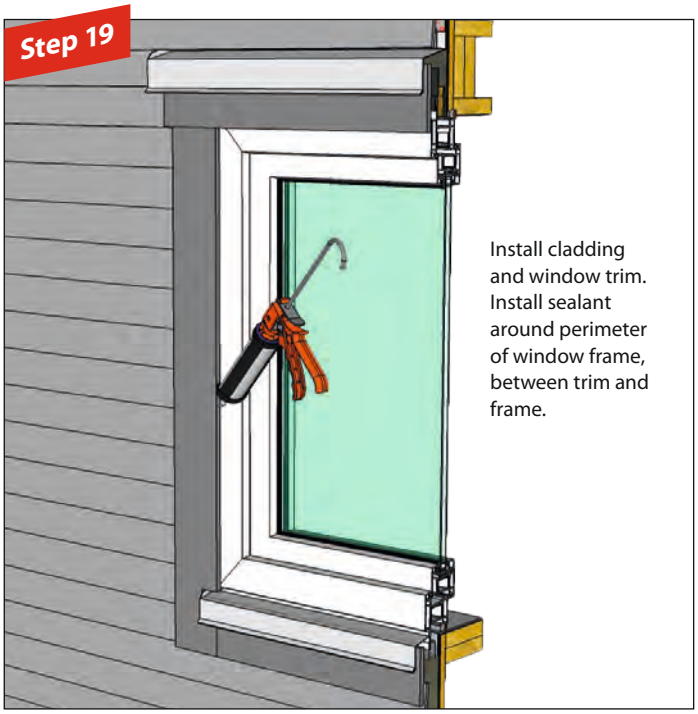
Install DELTA®-BUG SCREEN at cladding openings. Fasten in place with nails.

Install vertical strapping for cladding attachment and to provide cavity for drainage and venting.

Step 18

Install metal window sill flashing as part of water-shedding surface.

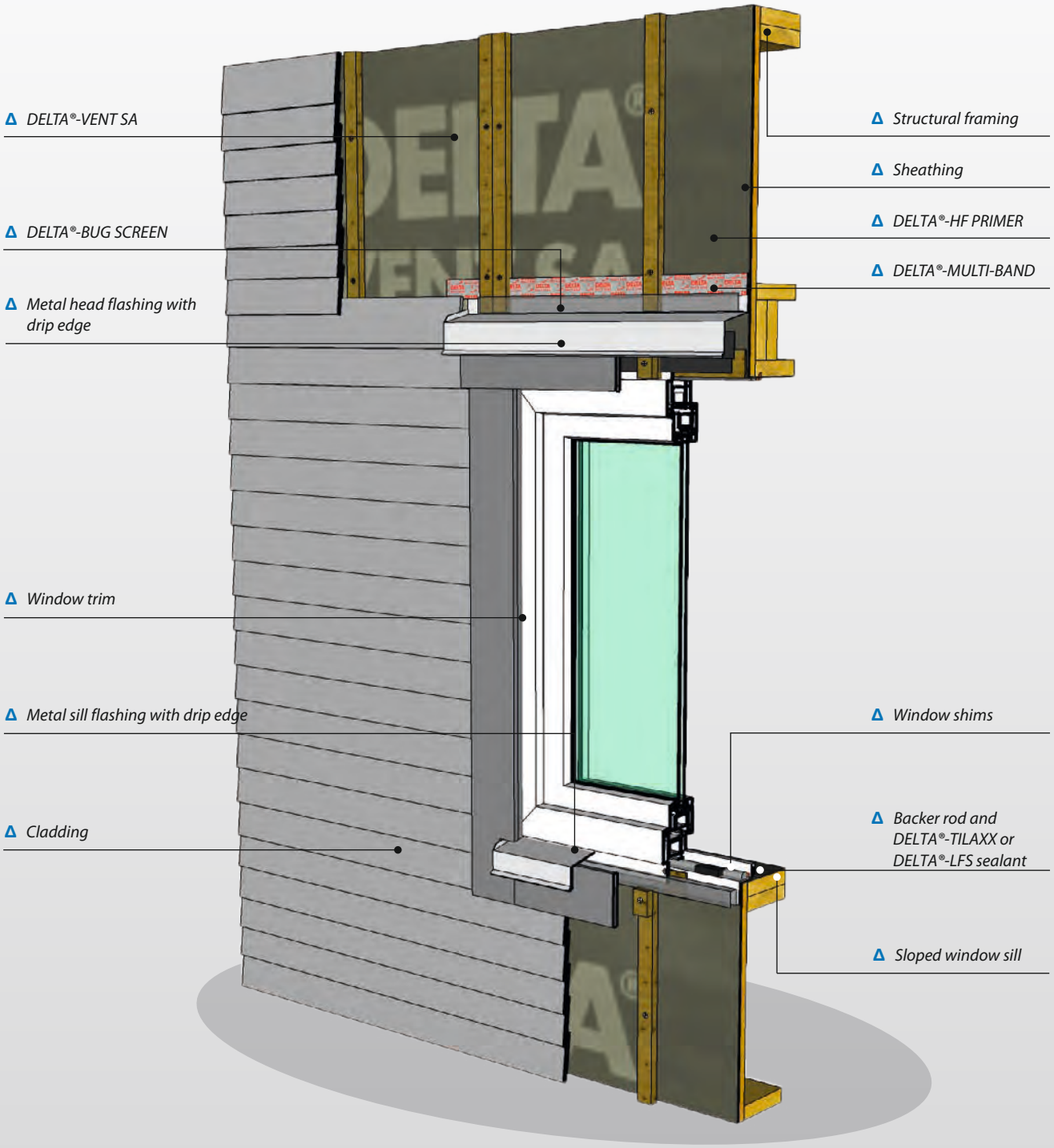
Step 19



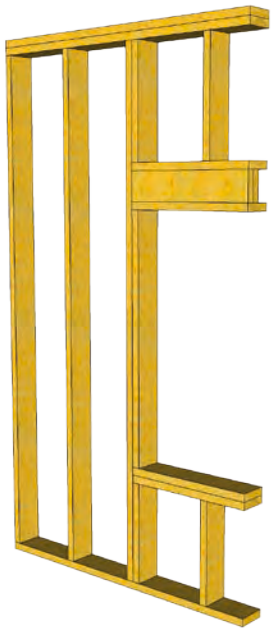
Install cladding and window trim. Install sealant around perimeter of window frame, between trim and frame.

Cut-out method

7. With sloped sill

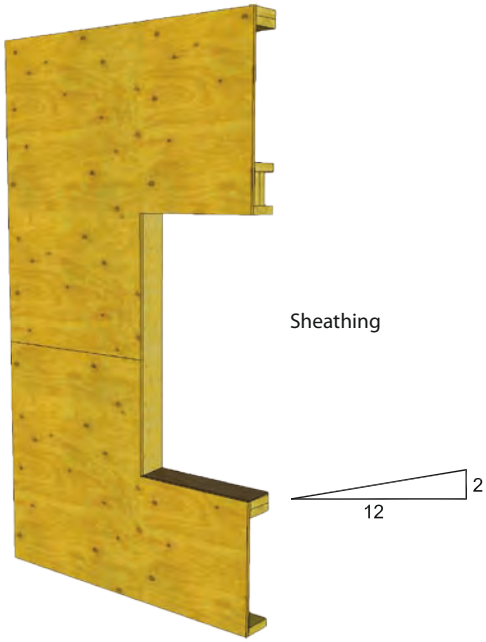


Step 1



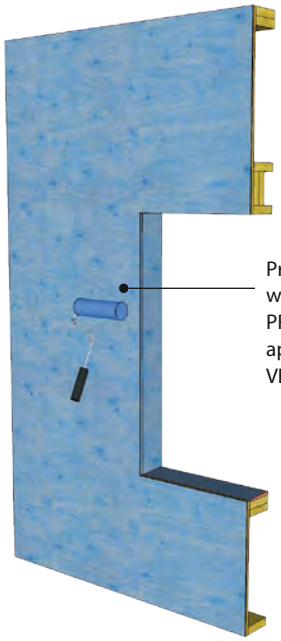
Framing

Step 2



Sheathing

Step 3



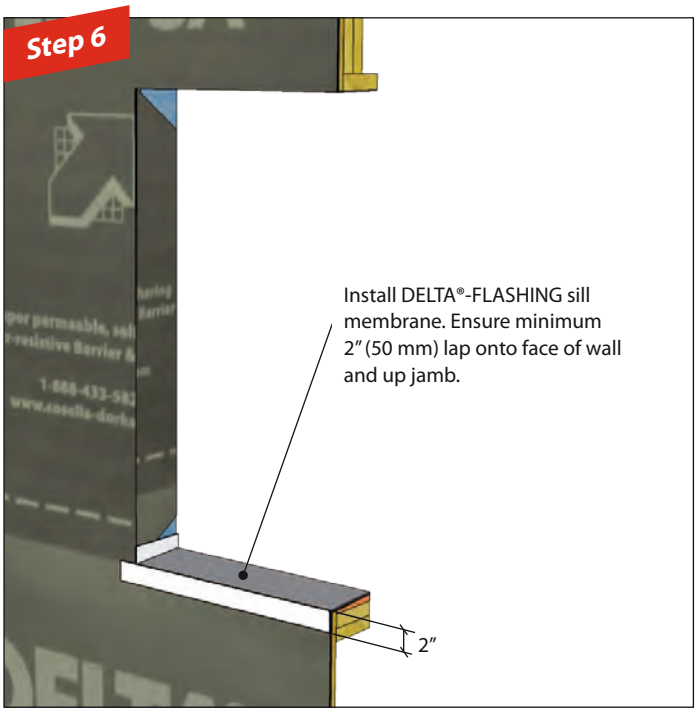
Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

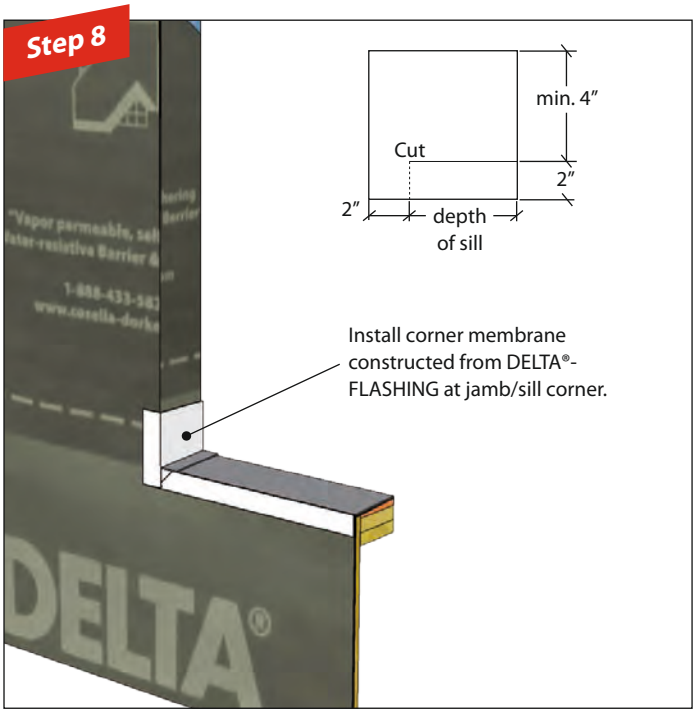
Step 4

Install DELTA®-VENT SA membrane over entire wall surface. X-cut the membrane.

Cut-out method

7. With sloped sill





Step 9

Install DELTA®-MULTI-BAND to seal membrane lap and ensure continuity of air barrier.

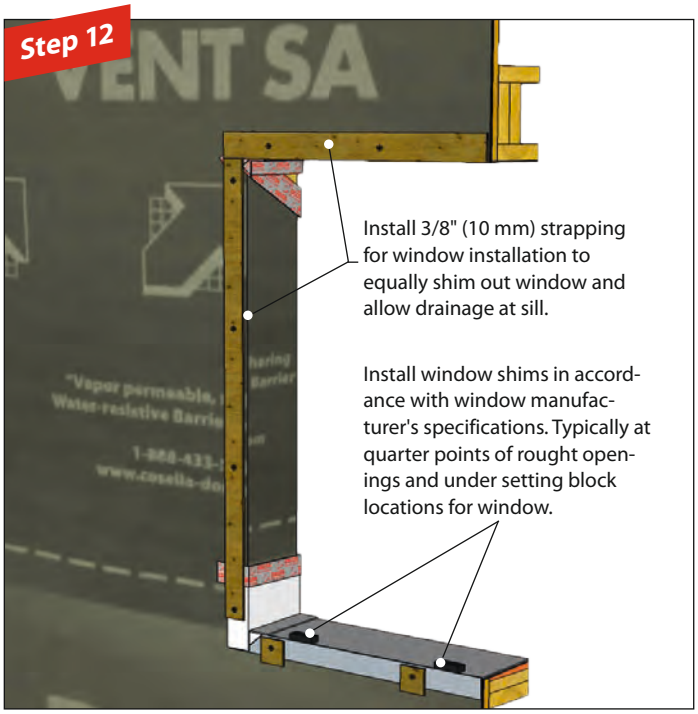
Step 10

Install DELTA®-MULTI-BAND to seal edge at header. Lap 2" (50 mm) onto face of wall.

Step 11

Install DELTA®-MULTI-BAND gusset at jamb/head corner. Seal face end of gusset with DELTA®-MULTI-BAND.

Step 12



Install 3/8" (10 mm) strapping for window installation to equally shim out window and allow drainage at sill.

Install window shims in accordance with window manufacturer's specifications. Typically at quarter points of rought openings and under setting block locations for window.

Cut-out method

7. With sloped sill

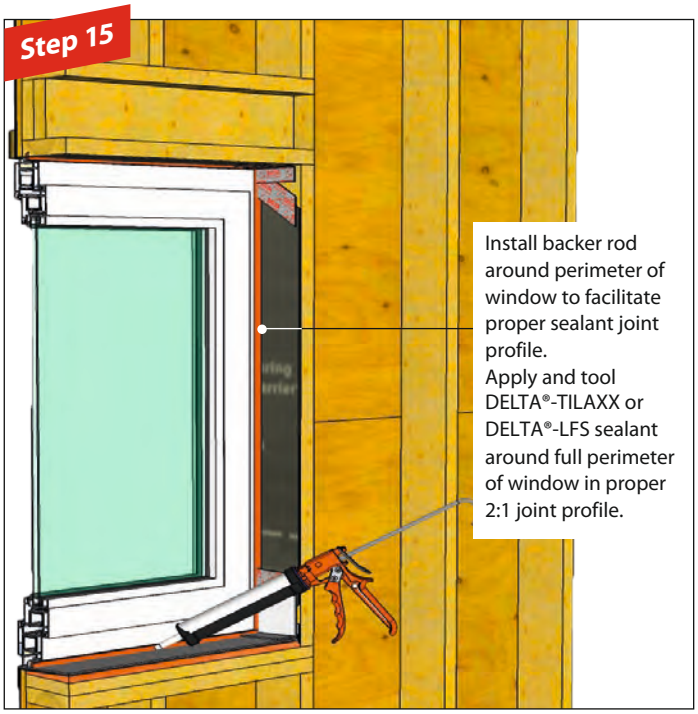
Step 13

Install window in accordance with manufacturer's specifications.

Step 14

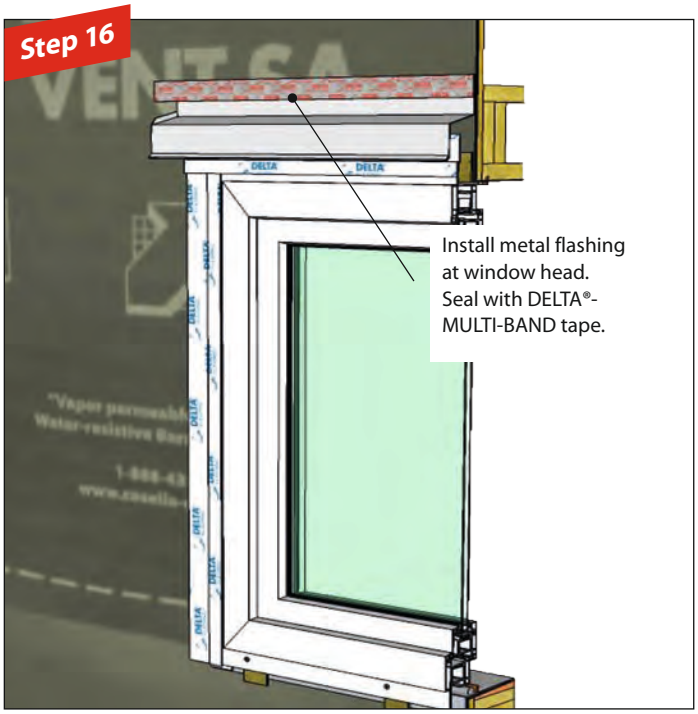
Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 15



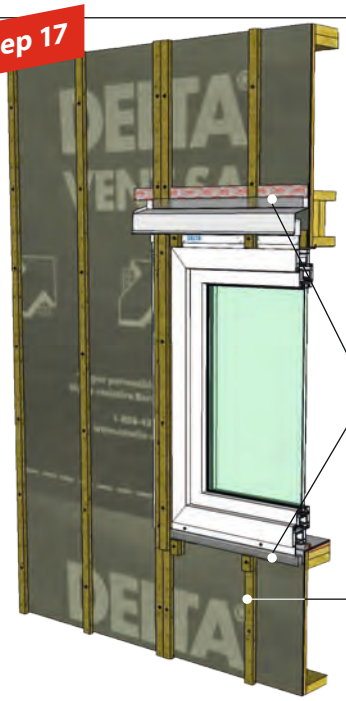
Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of window in proper 2:1 joint profile.

Step 16



Install metal flashing at window head. Seal with DELTA®-MULTI-BAND tape.

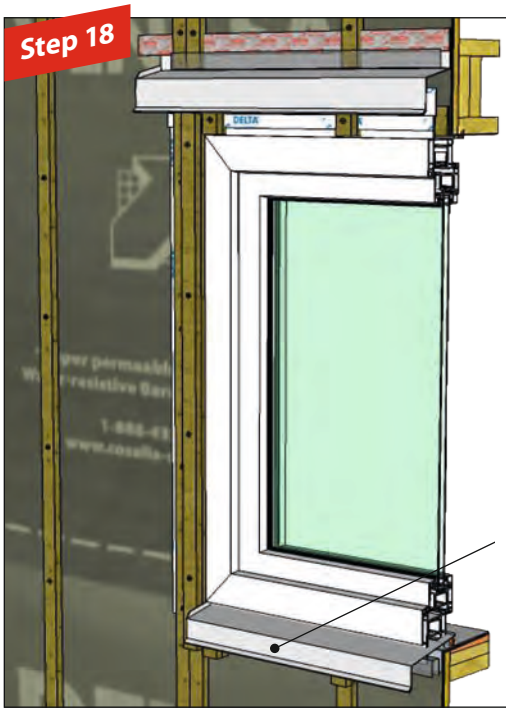
Step 17



Install DELTA®-BUG SCREEN at cladding openings. Fasten in place with nails.

Install vertical strapping for cladding attachment and to provide cavity for drainage and venting.

Step 18



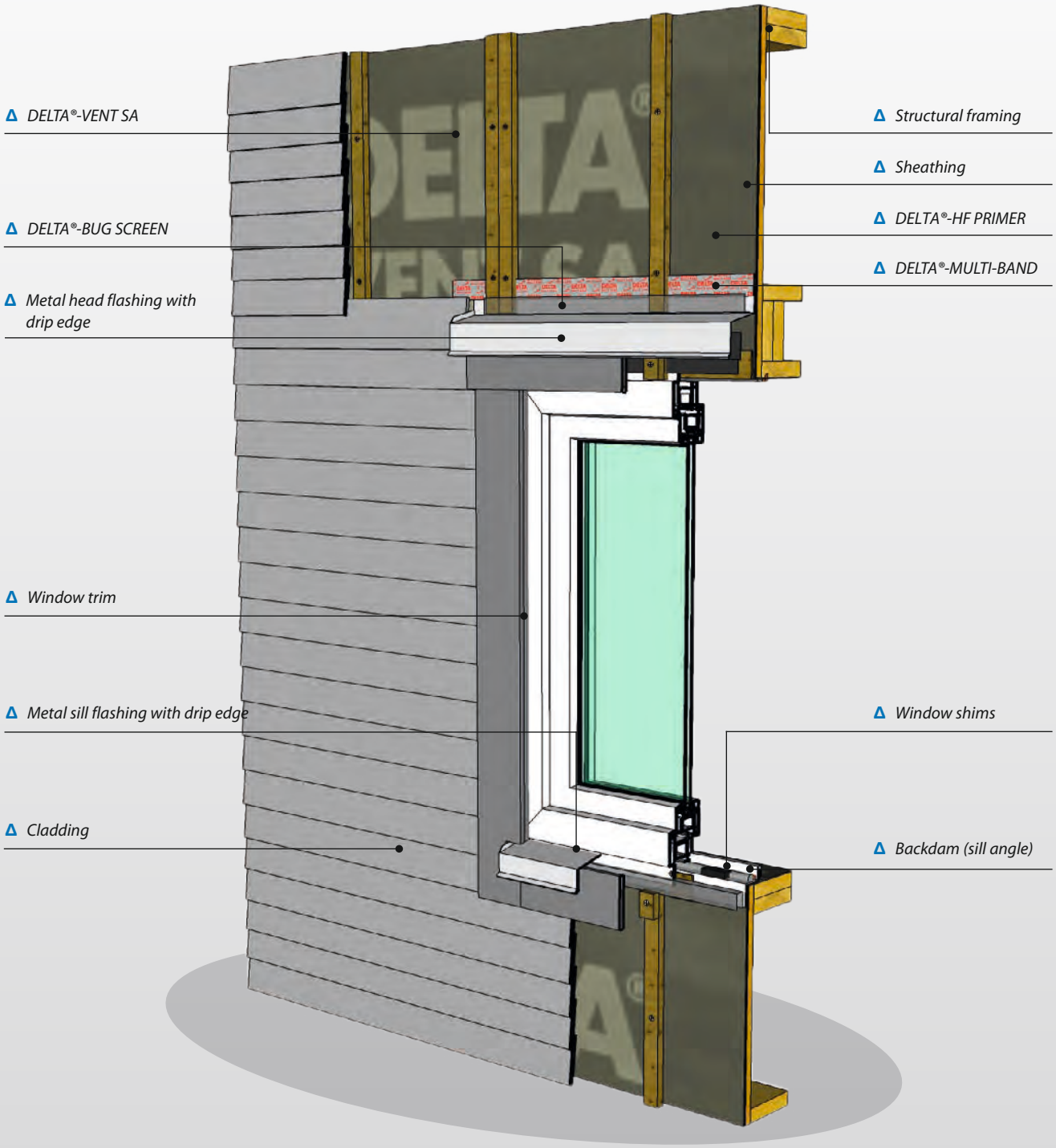
Install metal window sill flashing as part of water-shedding surface.

Step 19

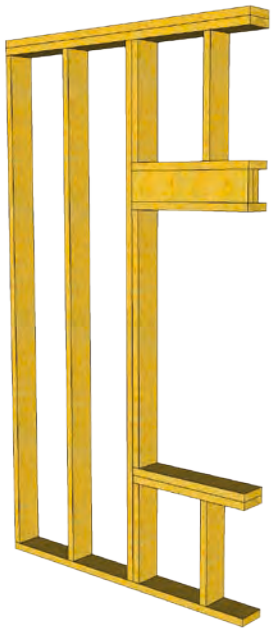
Install cladding and window trim. Install sealant around perimeter of window frame, between trim and frame.

Cut-out method

8. With backdam



Step 1

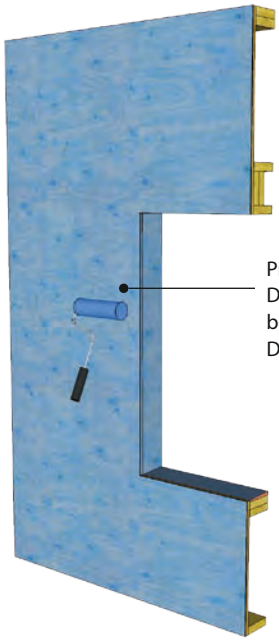


Framing

Step 2

Sheathing

Step 3



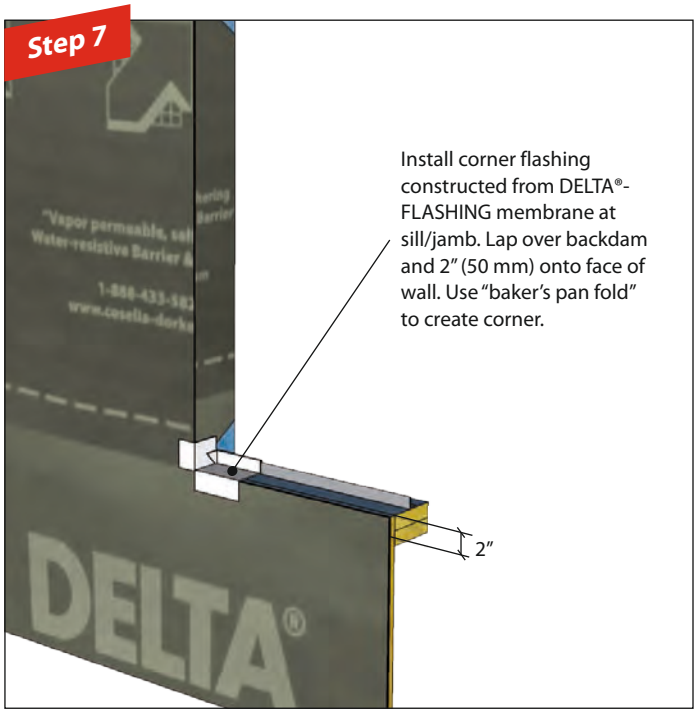
Prime substrate with DELTA®-HF PRIMER before applying DELTA®-VENT SA.

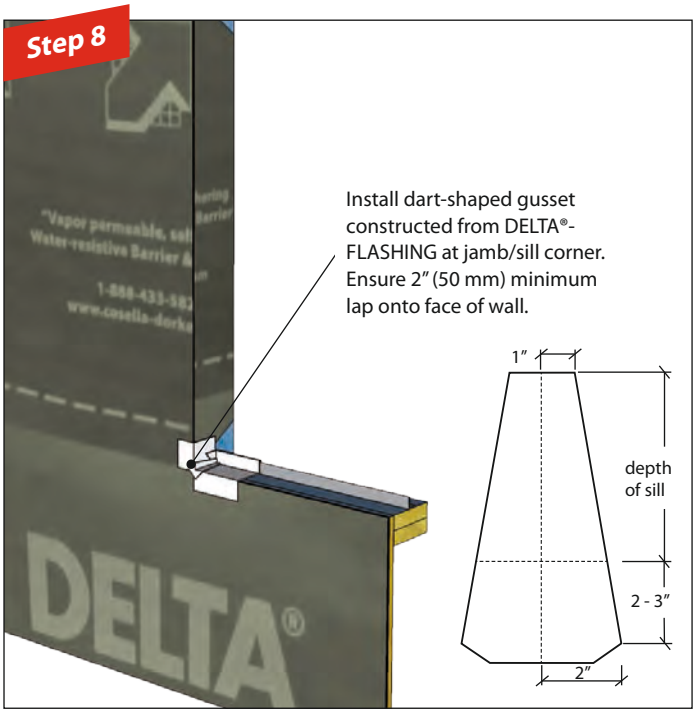
Step 4

Install DELTA®-VENT SA membrane over entire wall surface. X-cut the membrane.

Cut-out method

8. With backdam

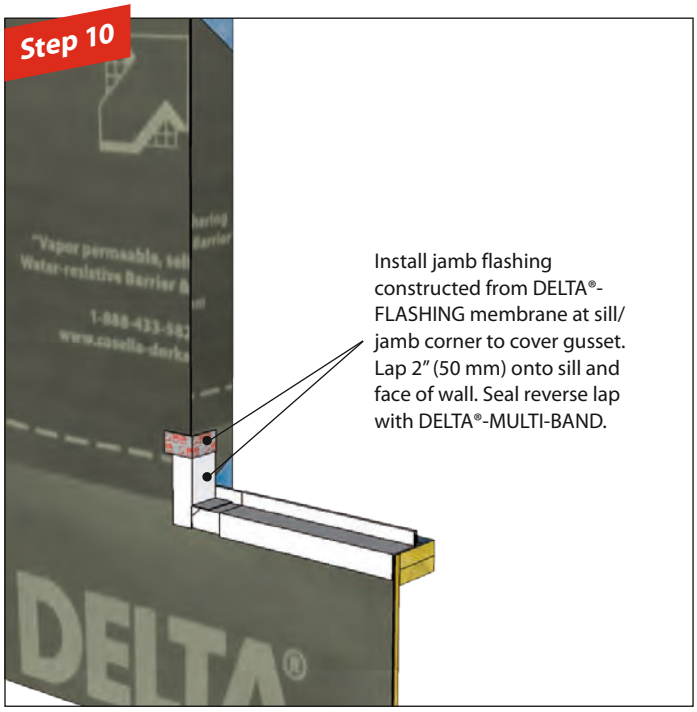




Step 9

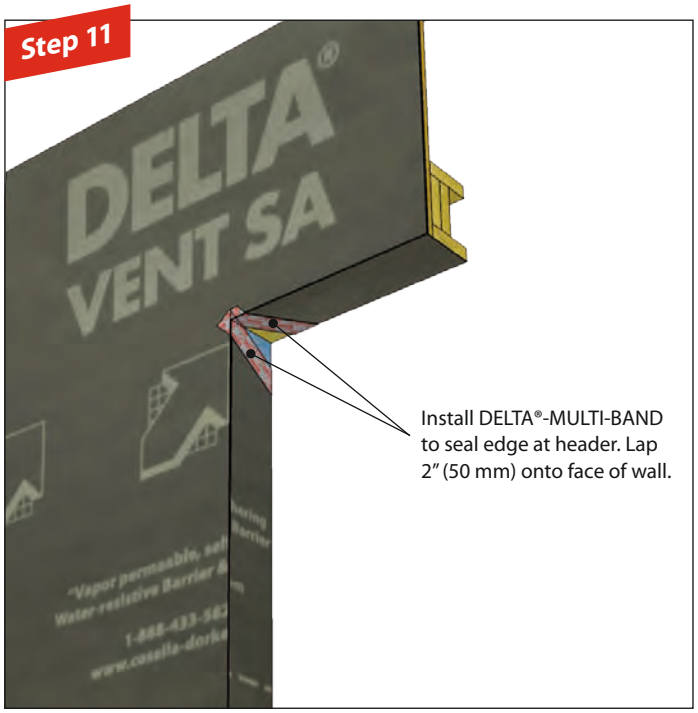
Install sill membrane from DELTA®-FLASHING. Lap over backdam, 2" (50 mm) onto corner flashing and 2" (50 mm) onto face of wall.

Step 10



Install jamb flashing constructed from DELTA®-FLASHING membrane at sill/jamb corner to cover gusset. Lap 2" (50 mm) onto sill and face of wall. Seal reverse lap with DELTA®-MULTI-BAND.

Step 11



Install DELTA®-MULTI-BAND to seal edge at header. Lap 2" (50 mm) onto face of wall.

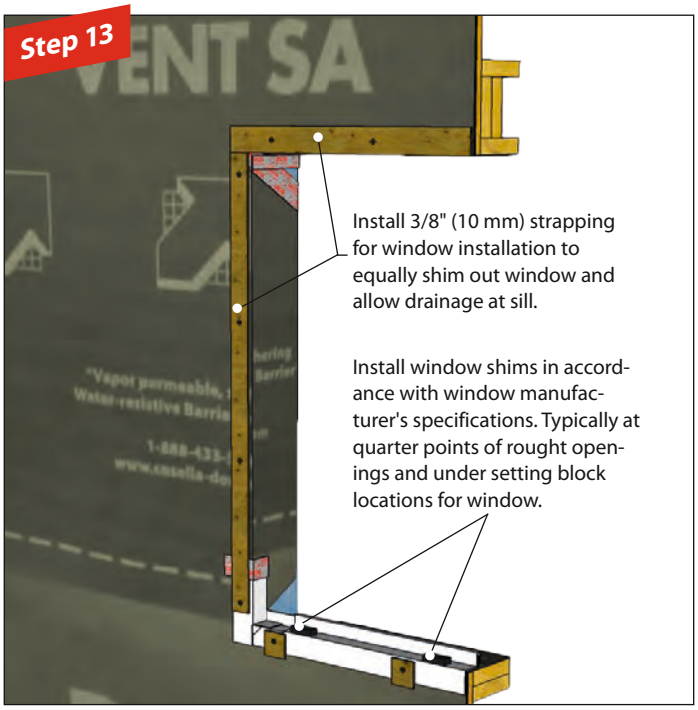
Step 12

Install DELTA®-MULTI-BAND gusset at jamb/head corner. Seal face end of gusset with DELTA®-MULTI-BAND.

Cut-out method

8. With backdam

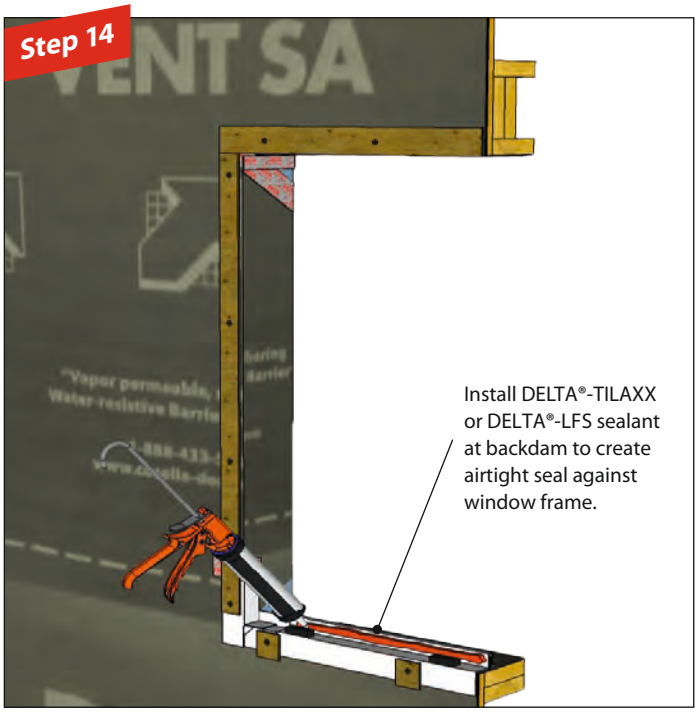
Step 13



Install 3/8" (10 mm) strapping for window installation to equally shim out window and allow drainage at sill.

Install window shims in accordance with window manufacturer's specifications. Typically at quarter points of rought openings and under setting block locations for window.

Step 14



Install DELTA®-TILAXX or DELTA®-LFS sealant at backdam to create airtight seal against window frame.

Step 15

Install window in accordance with manufacturer's specifications.

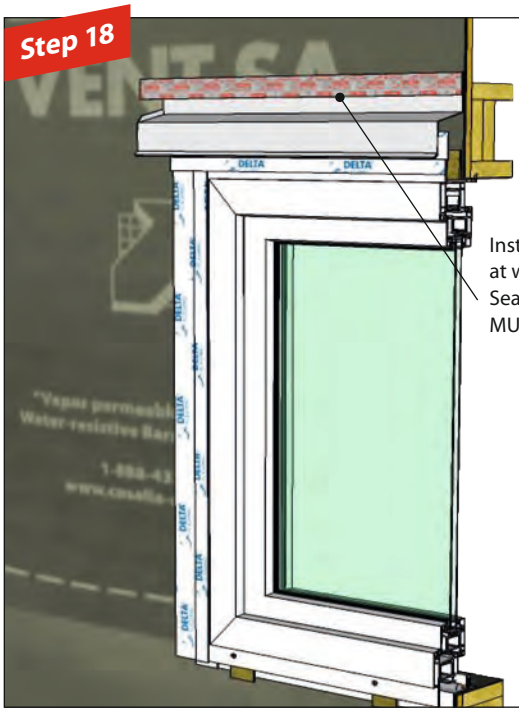
Step 16

Install DELTA®-FLASHING around perimeter of flange. Cover fasteners and lap 2" onto face of wall.

Step 17

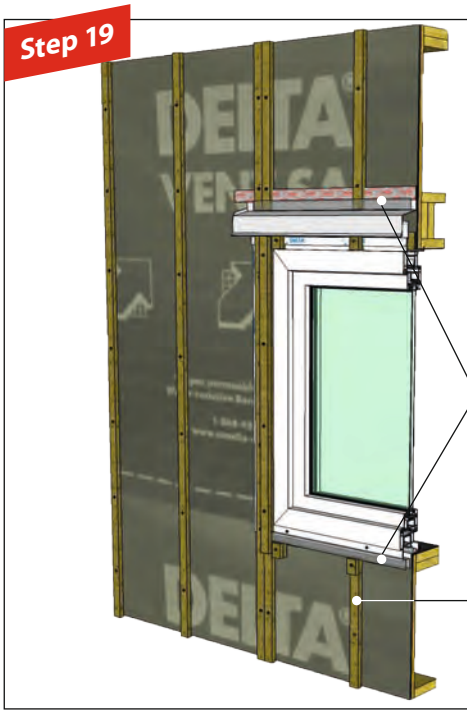
Install backer rod around perimeter of window to facilitate proper sealant joint profile.
Apply and tool DELTA®-TILAXX or DELTA®-LFS sealant around full perimeter of win-dow in proper 2:1 joint profile.

Step 18



Install metal flashing at window head. Seal with DELTA®-MULTI-BAND tape.

Step 19



Install DELTA®-BUG SCREEN at cladding openings. Fasten in place with nails.

Install vertical strapping for clad-ding attachment and to provide cavity for drainage and venting.

Step 20

Install cladding and window trim. Install sealant around perimeter of window frame, between trim and frame.

Install metal window sill flashing as part of water-shedding surface.

DELTA® Accessories

DELTA® Air Barrier System Components

Assuring an air-tight building enclosure

Using DELTA®-VENT SA to create an energy-efficient and air-tight building is a great choice. Choosing premium DELTA® Air Barrier System Components will help complete the job to meet the highest standards.

The secret to ensuring the overall effectiveness of an air barrier system is in the details, such as sealing windows, doors and penetrations. Proper attention to details is critically important to achieve an air-tight assembly. All components must be interconnected to successfully resist air and water infiltration, and turn individual materials, components and assemblies into a complete Air Barrier System.

BCJR?ã+?aacqqmpgcq are exhaustively tested for compatibility. Together they assure superior performance in air-tight building enclosures.

BCJR?ã+DJ?QF&LE is a best-in-class self-adhering membrane used to flash around window and door openings. Cut in practical and convenient widths, it provides superior long-term protection against air and water leaks.

BCJR?ã+KSJR&+@?LB is a very tough and durable seam tape with an aggressive pure acrylic adhesive. It is suitable for use at end and side laps or other detail areas. It sticks tenaciously to DELTA®-VENT SA as well as all other common construction substrates like OSB, plywood, metal, glass, etc.

BCJR?ã+DJCVV+@?LB is a two-ply stretchable tape with a premium butyl rubber adhesive for use at penetrations such as service pipes, arched windows, window flanges, corners and joints. It is formed easily by hand into irregularly-shaped areas, forming a tight bond to wood, vinyl, metal and other common building materials.

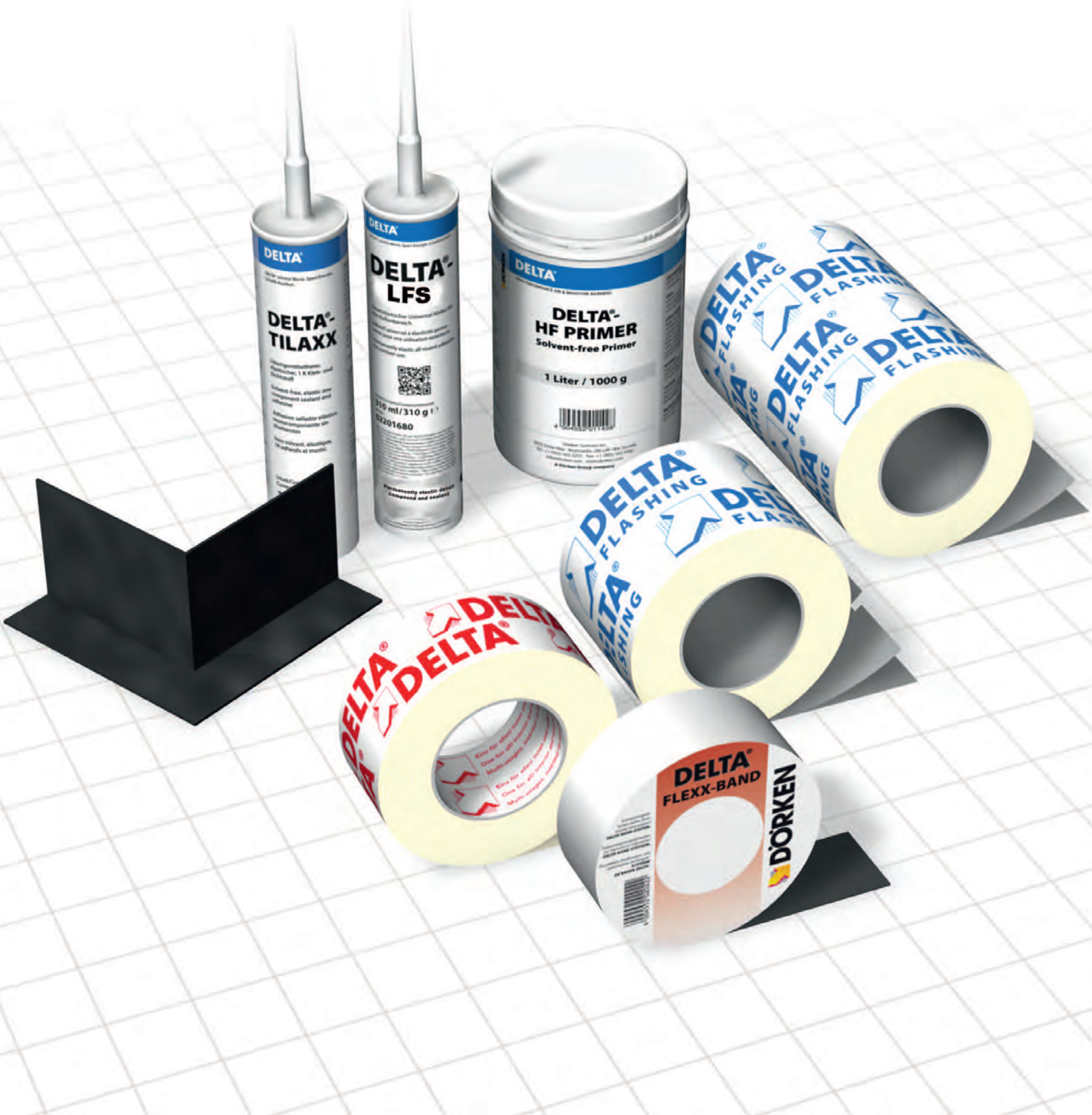
BCJR?ã+D?Q AMPLCP is a unique preformed corner for sealing windows and doors in air- and water-tight construction. Both durable and UV resistant, it provides top performance in detailing energy-efficient enclosures. DELTA®-FAS CORNER is easy to use and saves both time and labor during installation.

DELTA®-LFS is a one-part, moisture curing, room-temperature vulcanizing (RTV), 100% silicone adhesive and sealant that cures to form a low-modulus silicone rubber that maintains long-term adhesion and flexibility.

BCJR?ã+R&J?VV is a high quality permanently elastic adhesive and sealant for durable air-tight bonding to all common construction surfaces where moderate movement of components is expected.

DELTA®-HF PRIMER is a solvent free primer for self-adhering membranes used as per of surface conditioner. It consolidates surface dust on dirty construction site substrates, assur-ing reliable long-term air-tight adhesion for DELTA®-VENT SA.

The comprehensive line of DELTA-Accessories by Dörken delivers complete solutions for energy-efficient and durable building enclosures.

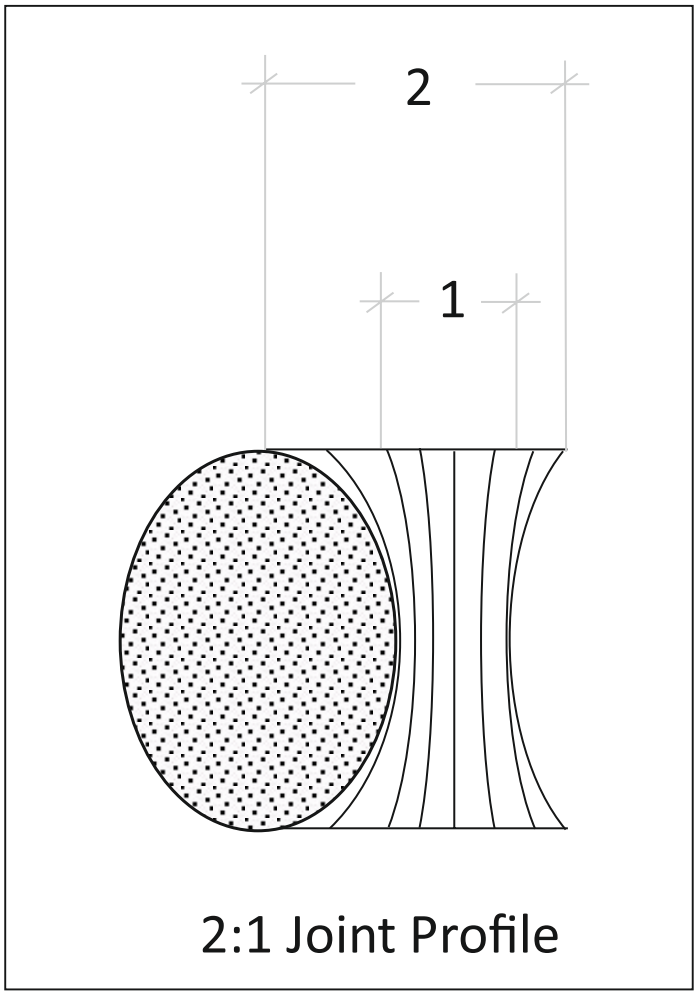

DELTA
DELTA®-
TILAXX
DELTA®-
LFS
DELTA®-
HF PRIMER
Solvent-free Primer
1 Liter / 1000 g
DELTA®
FLEXX-BAND
DÖRKEN

DELTA® Air Barrier System Components

			
DELTA®-FLASHING	**DELTA®-MULTI-BAND**	**DELTA®-FLEXX-BAND**	**DELTA®-FAS CORNER**
Premium self-adhesive flashing membrane with aggressive tack.	**Universal adhesive tape that sticks tenaciously and is highly resistant to aging.**	**Stretchable butyl-rubber compound tape with special carrier membrane.**	**Flexible pre-fabricated window corner. Permanently UV resistant.**
Recommended Use ■ For flashing of window and door openings.	**Recommended Use** ■ For all DELTA® membranes to seal laps and penetrations.	**Recommended Use** ■ Stretchable flashing for details and penetrations. ■ Pre-stretch where required.	**Recommended Use** ■ Provides reliable air- and water-tight window details.
Surface temperature min. +41 °F (+5 °C) Recommended storage: room temperature	**Surface temperature** min. +41 °F (+5 °C) Recommended storage: room temperature	**Surface temperature** min. +41 °F (+5 °C) Recommended storage: room temperature	–
Temperature Range -40 °F to +176 °F (-40 °C to +80 °C)	**Temperature Range** -40 °F to +176 °F (-40 °C to +80 °C)	**Temperature Range** -40 °F to +176 °F (-40 °C to +80 °C)	**Temperature Range** -40 °F to +176 °F (-40 °C to +80 °C)
Size Width: 6" (15.25 cm), 9" (23 cm) Length: 75' (22.85 m)	**Size** Width: 2 3/8" (6 cm), 4" (10 cm) Length: 82' (25 m)	**Size** Width: 4" (10 cm) Length: 33' (10 m)	**Measurements** 7" x 7" x 4" (18 cm x 18 cm x 10 cm)

			
DELTA®-LFS	**DELTA®-TILAXX**	**DELTA®-ADHESIVE LVC**	**DELTA®-HF PRIMER**
Permanently elastic detail compound and sealant .	**High quality permanently elastic adhesive and sealant that retains flexibility.**	**Low solvent surface conditioner.**	**Solvent free primer for self-adhering membranes used as surface conditioner.**
Recommended Use ■ For sealing and adhering of DELTA® membranes. ■ Provides greater security in detail areas. ■ Suitable for areas with minimal movement of components. ■ Liquid flashing for windows and door opening.	**Recommended Use** ■ For durable air-tight bonding to all common construction surfaces where moderate movement of components is expected. ■ Suitable for sealing of openings around windows (installed with backer rod).	**Recommended Use** ■ Consolidates surface dust on dirty construction site substrates assuring reliable long-term air-tight adhesion. ■ Compliant with OTC rules for industrial adhesives and sealants and California South Coast Rule 1168.	**Recommended Use** ■ Consolidates surface dust on dirty construction site substrates assuring reliable long-term air-tight adhesion. ■ Compliant with OTC rules for industrial adhesives and sealants and California South Coast Rule 1168.
Application Conditions Open time: 0°C to 50°C (120°F)	**Application Conditions** Open time: 30 minutes at min. +41 °F (+5 °C)	**Surface temperature** Application conditions: min. +25 °F (-4 °F) Recommended storage: min. 32 °F (0 °C)	**Surface temperature** Application conditions: min. 5 °C (40 °F) to 70 °C (104 °F) Recommended storage: min. 5 °C (40 °F)
Application Rate Approx. 23' (7 linear m) per cartridge	**Application Rate** Approx. 23' (7 linear m) per cartridge	**Application Rate** Up to 250 sqft/gal (6.13 sqm/l) depending on porosity and texture of surface	**Application Rate** Up to 23 m^2/l (250 ft2/0.26 gal.) depending on porosity and texture of surface.
Temperature Range -76°F to 392°F (-60°C to 200°C)	**Temperature Range** -22 °F to +176 °F (-30 °C to +80 °C)	**Temperature Range** -40 °F to +176 °F (-40 °C to +80 °C)	**Temperature Range** 5°C (40°F) to 70°C (150°F)
Size 10.2 fl.oz (300 ml) cartridge 20 fl.oz (600ml) sausage	**Size** 10.5 fl.oz (310 ml)	**Size** 4.5 gal (17 l)	**Size** 5 l (1.3 gal)

Appendix



Recommended 2:1 Window Joint Profile

Notes

About Dörken

Dörken delivers innovative, premium quality products to the construction market.
A North American manufacturer based out of Beamsville, Ontario, Dörken Systems Inc. is a subsidiary of the Dörken Group, a leading European developer and manufacturer of waterproofing and drainage products sold worldwide. Other top-performing WRBs from Dörken include DELTA®-FASSADE S, DELTA®-STRATUS SA and DELTA®-VENT S.

For more information,
call 1-888-4DELTA4 (433-5824) or
visit www.dorken.com

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