

WINDOWS CONFIGURATION



295 South Merrimack, Hollis, NH
email: gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

General Specifications

Double glazed & triple glazed system

Details on installation and sections of
profile

Handle details

Important Information

Drawing information

Date: October 2025

Page: 1

B80 system

General Specification

The handle is shown for reference only. Its position can be adjusted as needed.

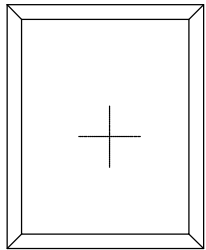
Important information

These are examples of types of windows with many more available on request

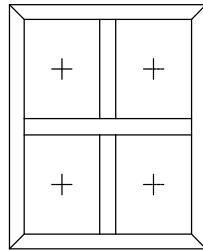
Drawing Information

Date: October

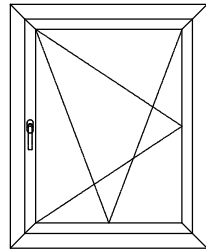
Page:2



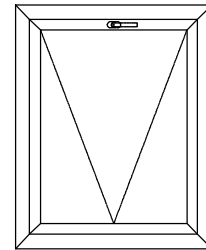
FIXED WINDOW



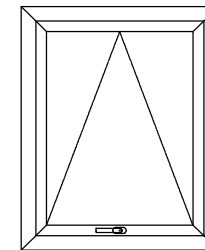
FIXED WINDOW
WITH INTEGRAL
MULLIONS



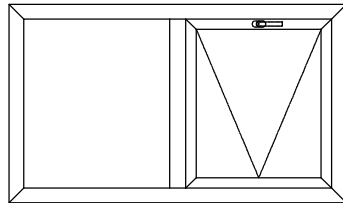
OPERABLE WINDOW
TILT & TURN



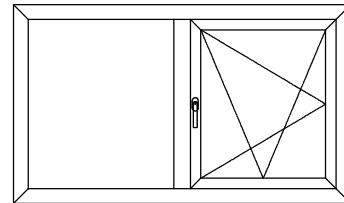
OPERABLE WINDOW
TILT ONLY



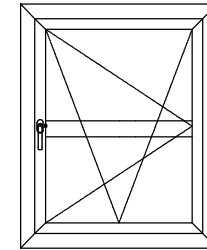
OPERABLE WINDOW
AWNING ONLY



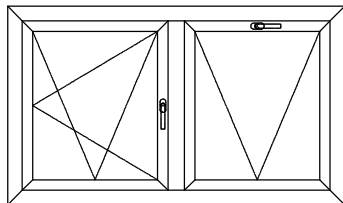
FIXED AND OPERABLE
TILT ONLY WINDOW



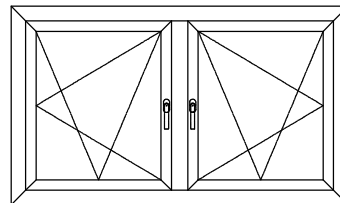
FIXED AND OPERABLE
TILT & TURN WINDOW



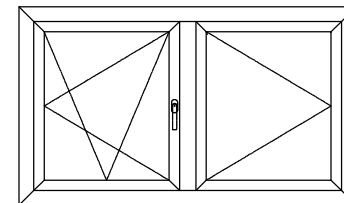
OPERABLE WINDOW
TILT & TURN
With integral
mullion



OPERABLE TILT& TURN
AND TILT ONLY WINDOW



OPERABLE TILT& TURN
WINDOW WITH
INTEGRAL MULLION



OPERABLE TILT& TURN
WINDOW WITH
BLIND MULLION

SIZE LIMITATION



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

Maximum sizes can go up to 10%
higher, but best to check with
a consultant from BNA

General Information

There's a different topic on the
aluminum size limitations, as well
as sliding doors and entrance
doors

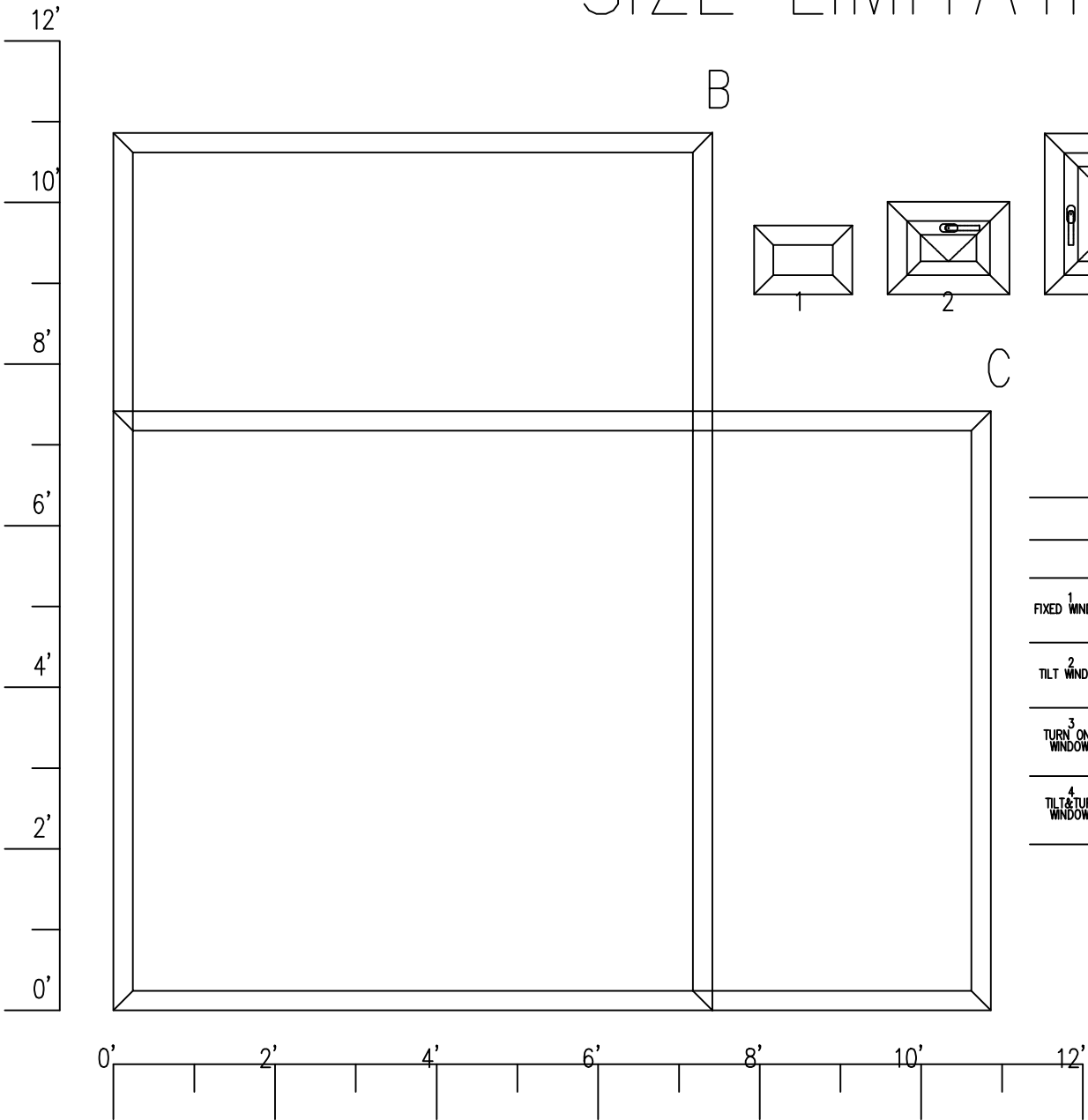
Important Information

Size limitations on all PVC
windows from BNA, not just the
B75 system.

Drawing Information

Page 3

October 2025



SIZE LIMITATIONS						
		Width (min)	Height (min)	Width (max)	Height (max)	Area (max)
FIXED WINDOW	White	1'	1'	8'	11'	64'
	Color	1'	1'	8'	11'	45'
TILT WINDOW	White	1' 6"	1' 6"	5'	8'	24'
	Color	1' 6"	1' 6"	5'	8'	24'
TURN ONLY WINDOW	White	1' 6"	1' 6"	4'	7'	28'
	Color	1' 6"	1' 6"	4'	7'	28'
TILT & TURN WINDOW	White	2'	1' 6"	4'	7'	28'
	Color	2'	1' 6"	4'	7'	28'

Window opening



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

Turn detail

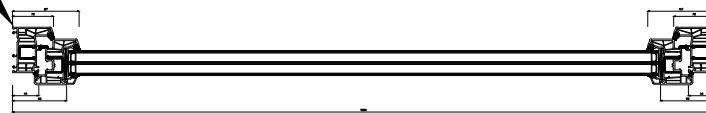
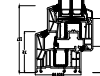
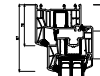
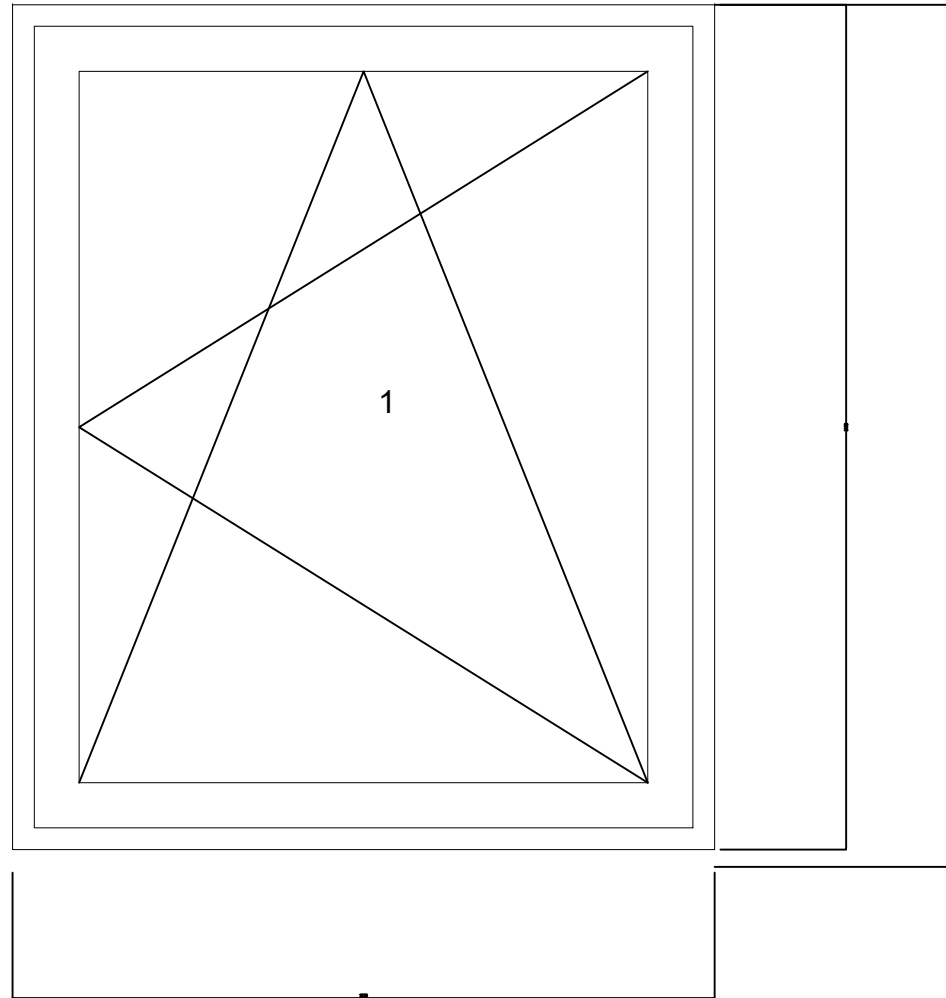
Important information

Inward opening

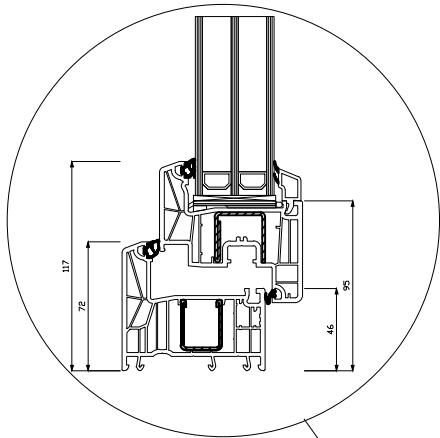
Drawing information

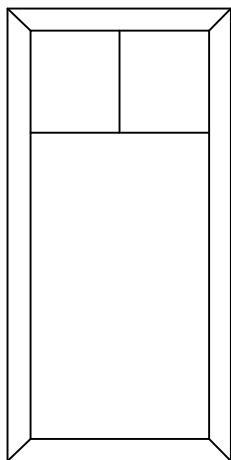
Page 4

Date: October 2025

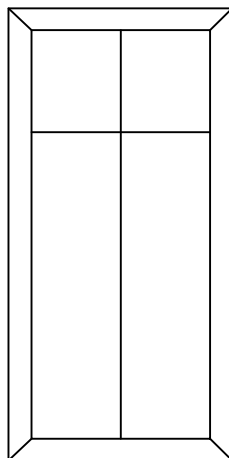


Cross Section S1

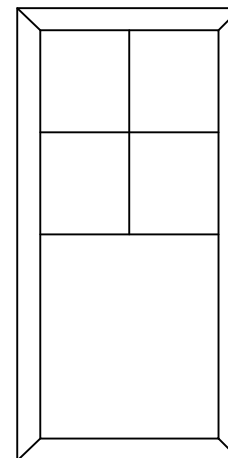




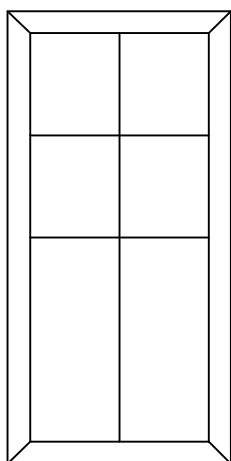
FRACTIONAL



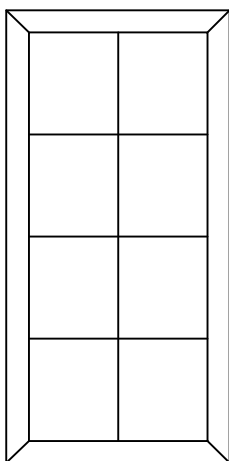
TRADITIONAL



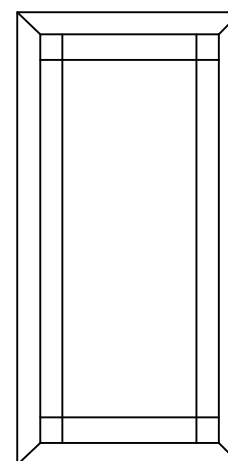
ELEGANT



ENGLAND



COLONIAL



PRAIRIE



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

Muntin simple examples

General specifications

Muntins can be glued on the glass
or inside the glass sheets

Important information

Models are changeable

Drawing information

Date: October 2025

Page: 5



295 South
Merrimack, Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

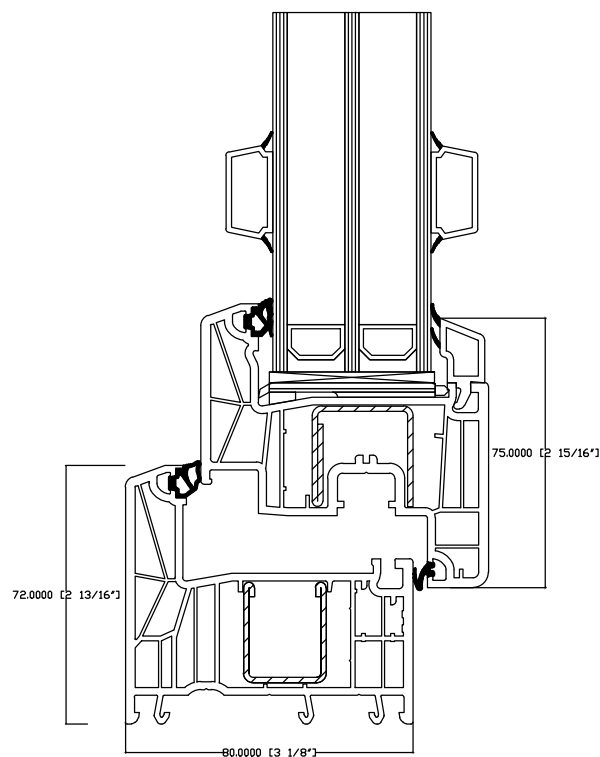
General specification

Important information

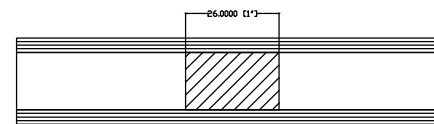
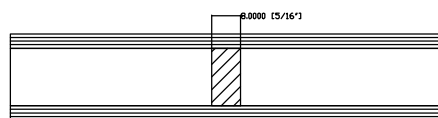
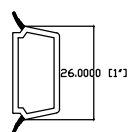
Drawing information

Date: October
2025

Page: 6



WINDOW GRID DETAILS



GRID OPTIONS 1 & 2
AVAILABLE IN ALL LAMINATE COLORS:
MATCHED LAMINATES TO INTERIOR OR EXTERIOR

SECTION PROFILES



295 South Merrinack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

General Information

Important Information

Drawing Information

Date: October 2025	Page: 7
--------------------	---------



295 South
Merrinack, Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

Fixed
Window

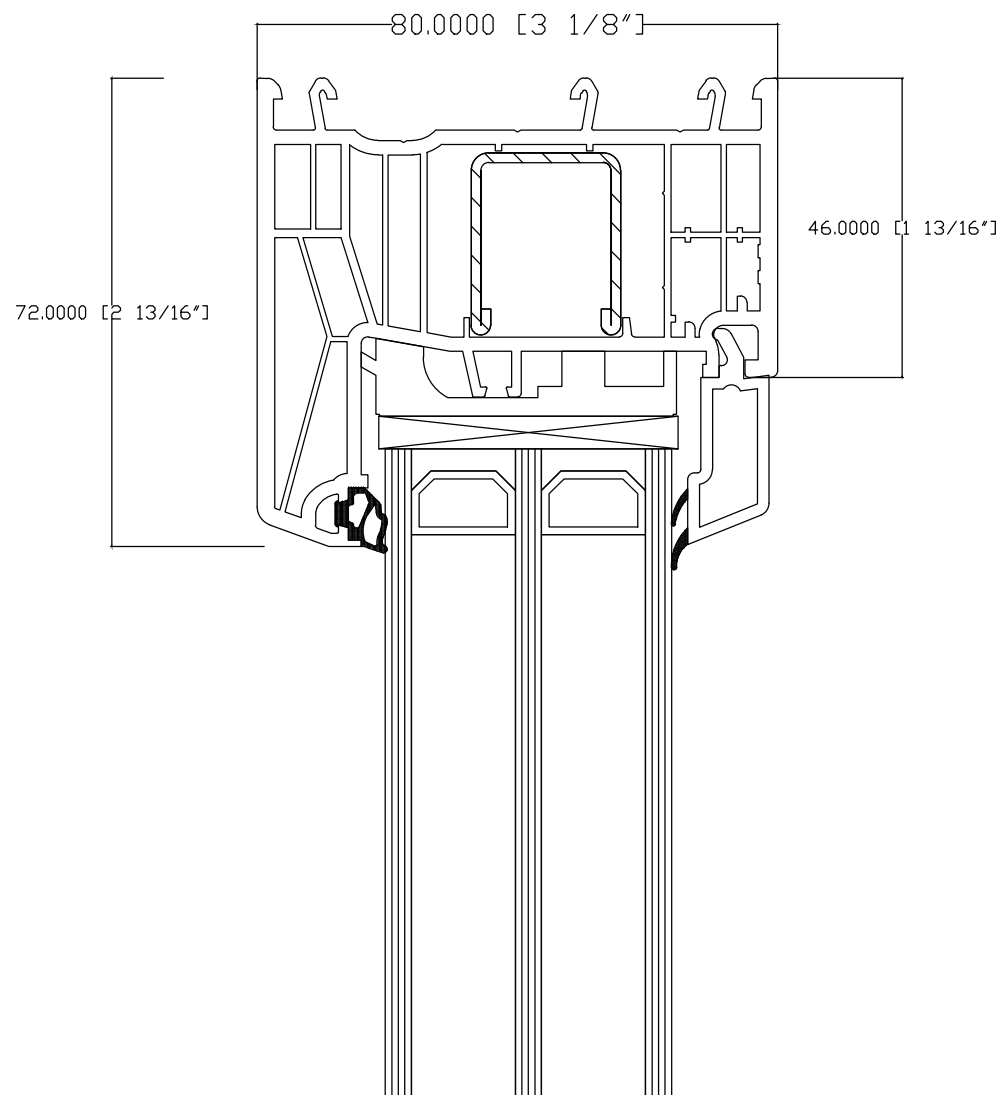
Important information

Inward opening

Drawing information

Date: October
2025

Page 6

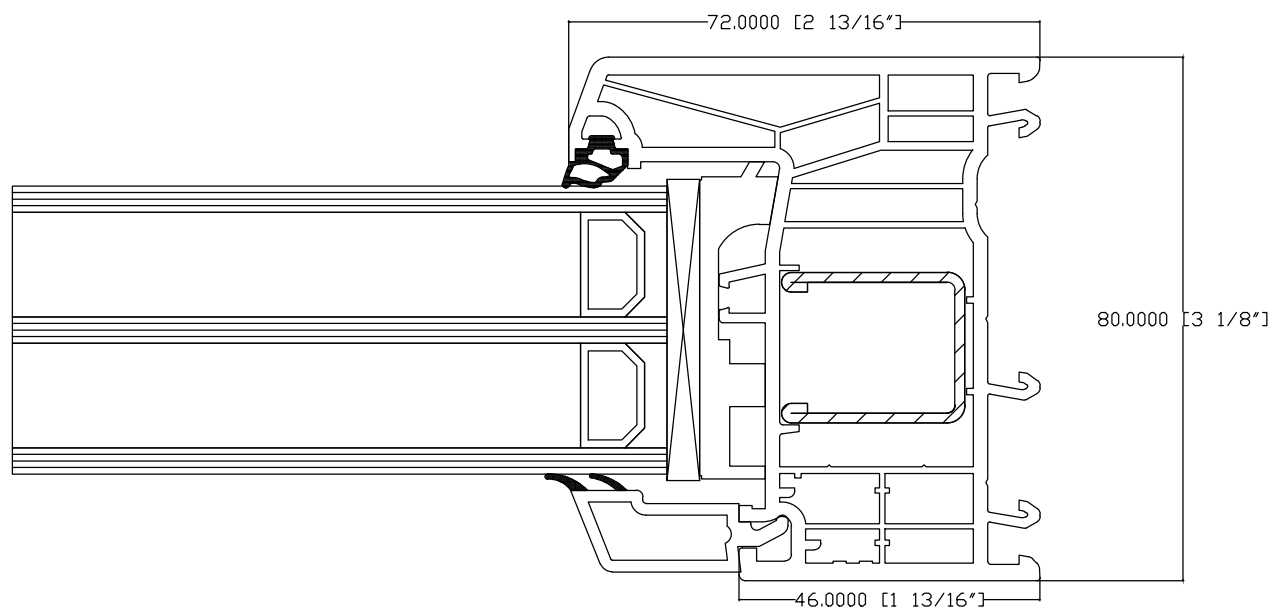




295 South
Merrimack, Hollis,
NH
email:
gabriel@barriernorthamerica.com
phone: 1 (978)
328-8334

B80 System

Fixed
Window



Important information

Drawing information

Date: October
2025

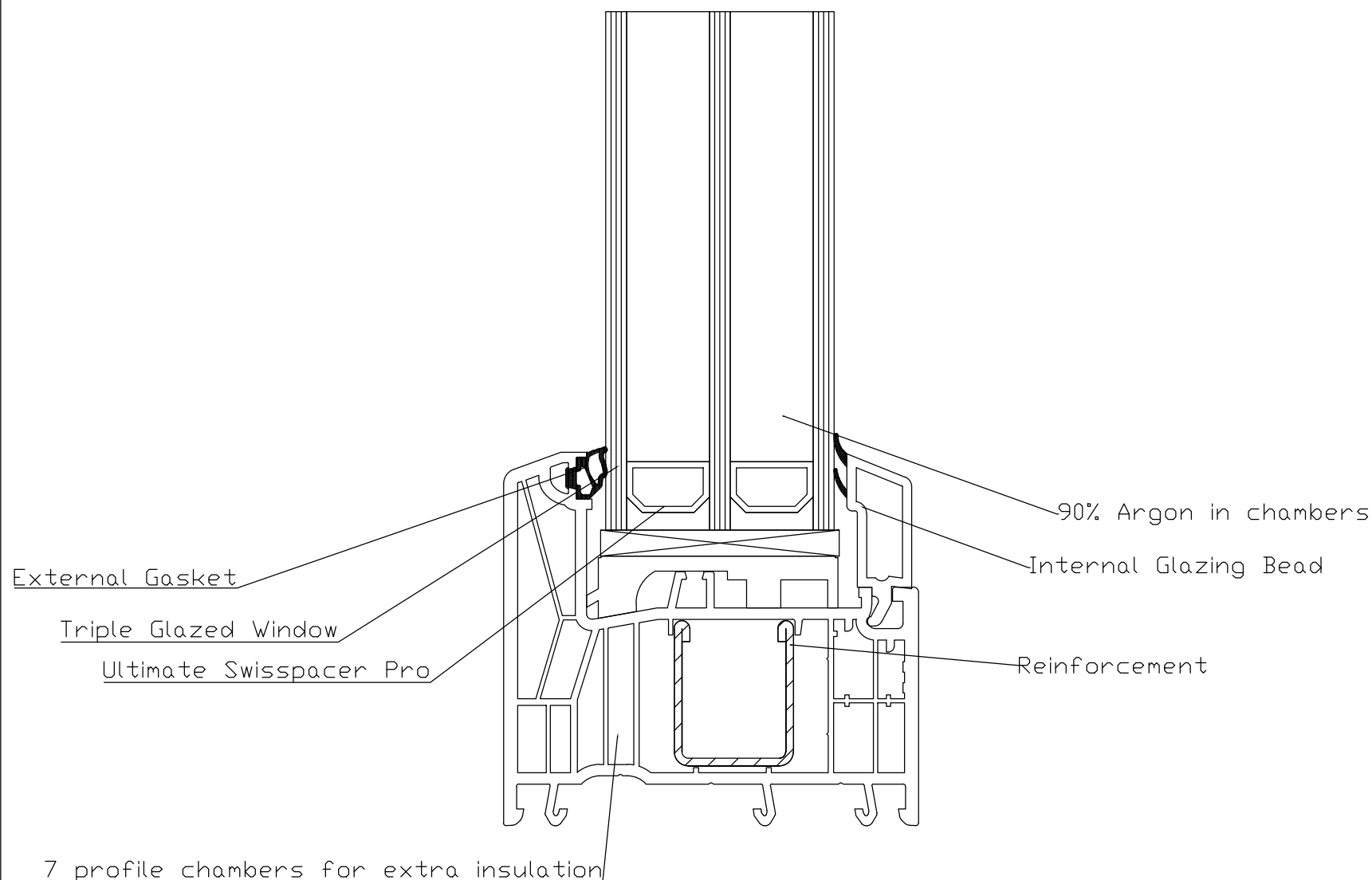
Page 9



295 South
Merrimack, Hollis,
NH
email:
gabriele@barriernorthamerica.com
phone: 1 (978)
328-8334

B80 System

Fixed Window



Important information

Drawing information

Date: October
2025

Page 10



295 South
Merrimack, Hollis,
NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

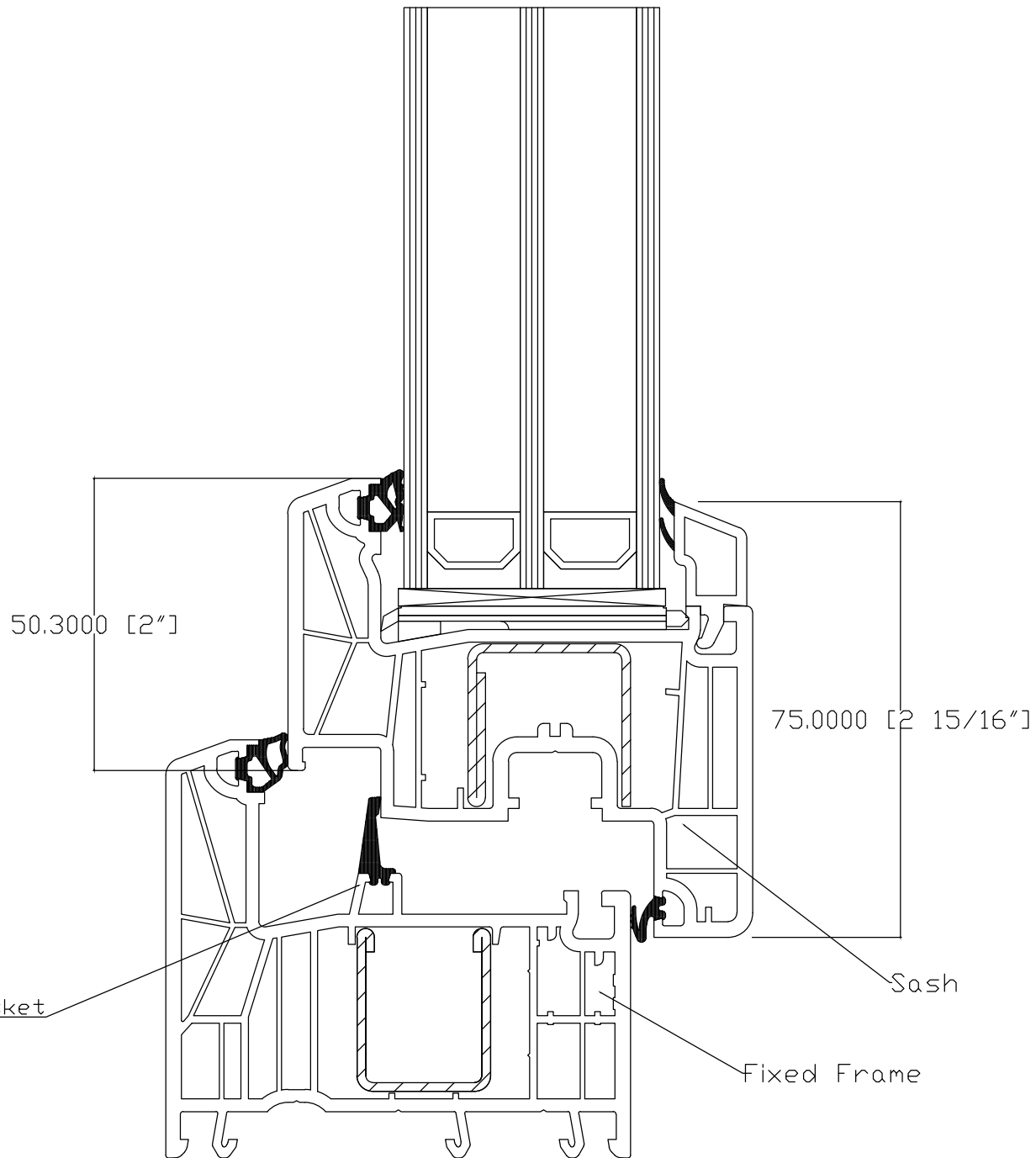
Opening
Window

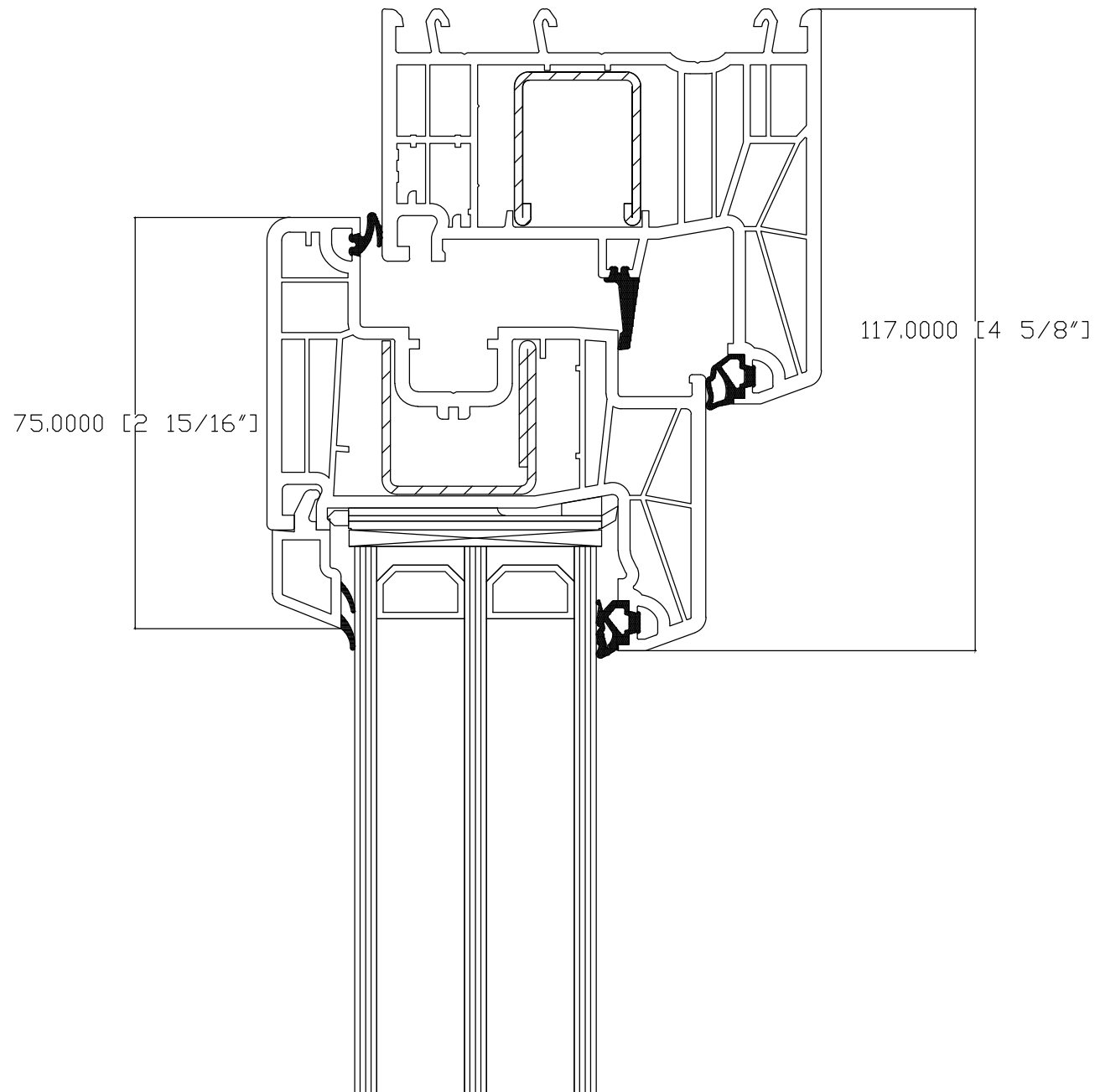
Important information
Inward opening

Drawing information

Date: October
2025

Page 11





295 South
Merrimack, Hollis,
NH
email:
gabriel@barriernorthamerica.com
phone: 1 (978)
328-8334

B80 System

Opening
Window

Important information
Inward opening

Drawing information
Page 12
Date: October
2025

Mullion Sections



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

Important information
Inward opening

Drawing information
Date: October 2025

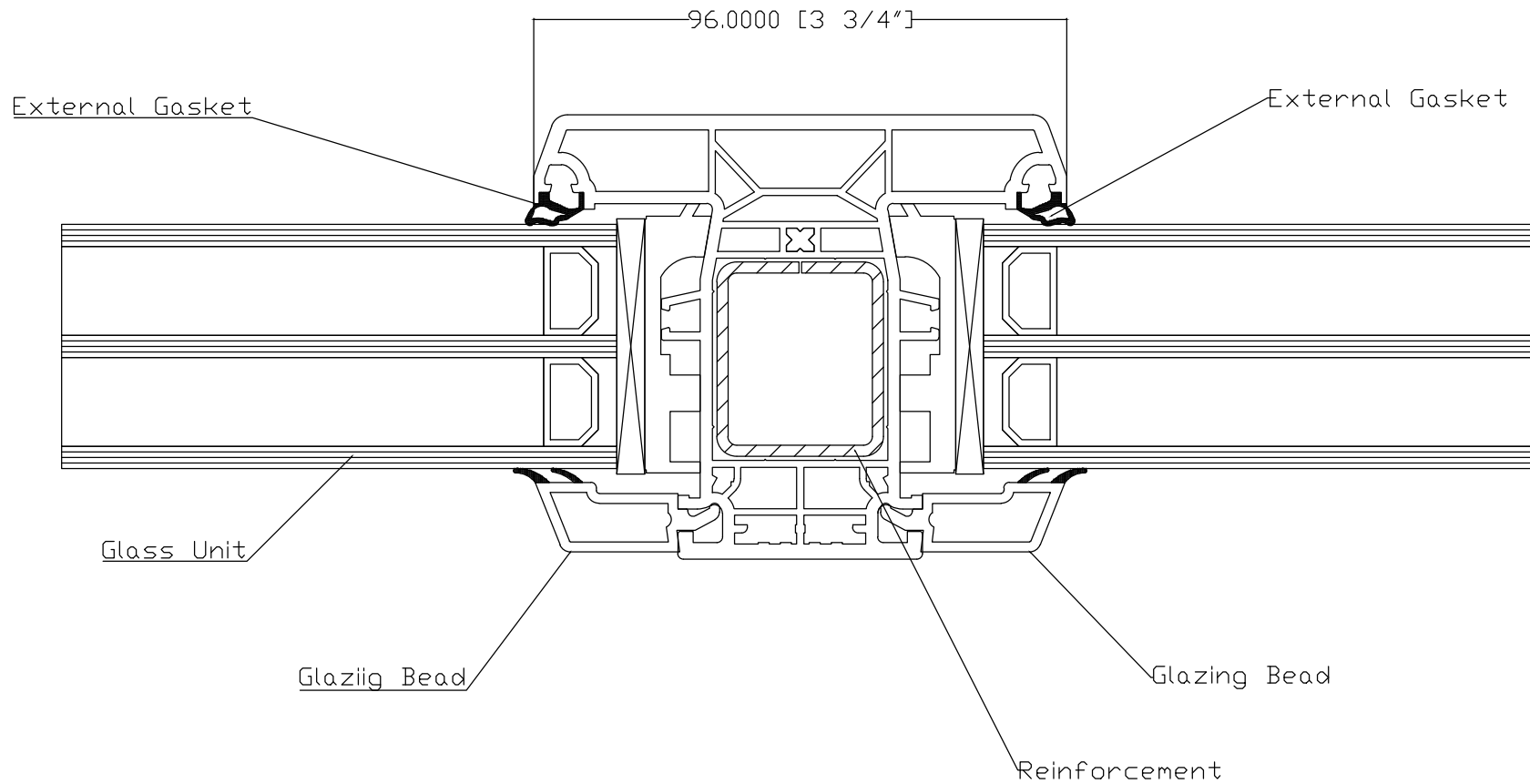
Page 13



295 South
Merrimack, Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

Mullion Fixed with Fixed



Important information

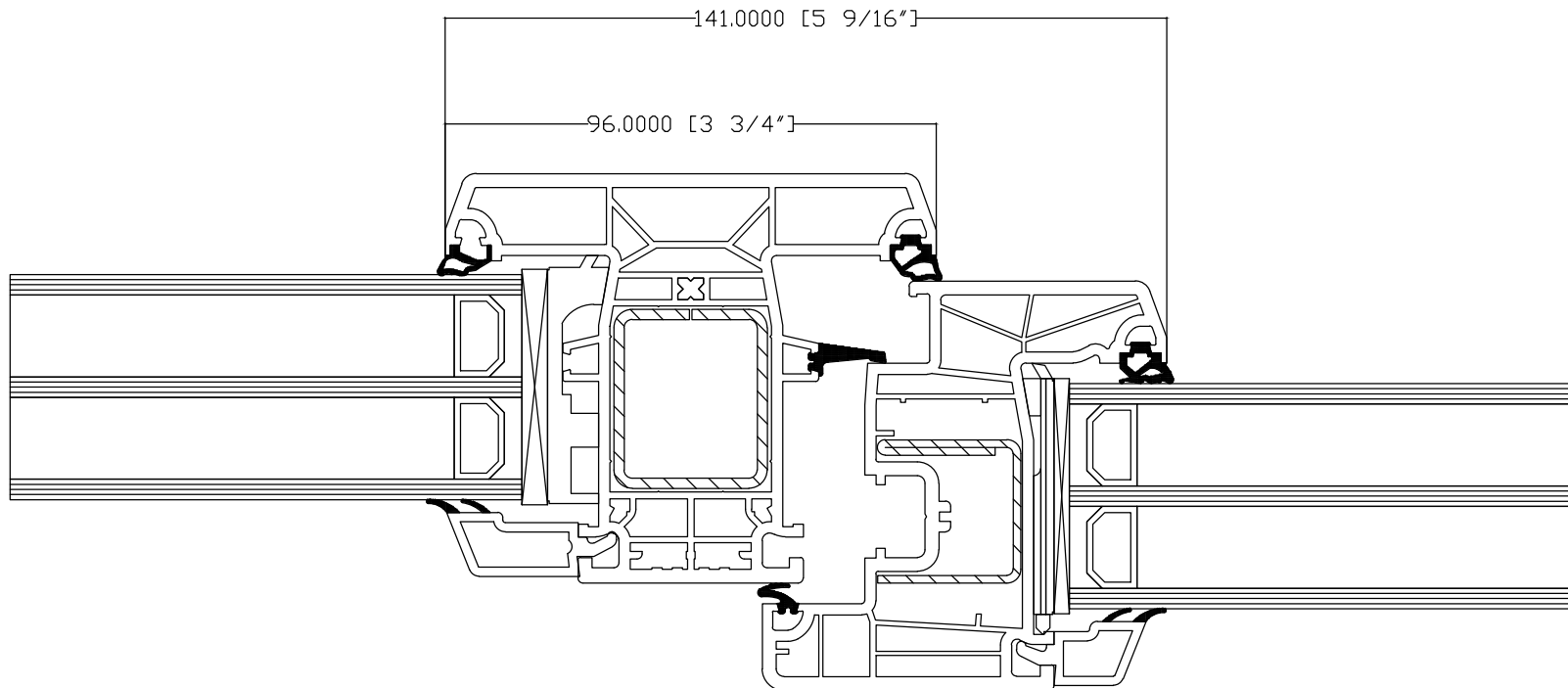
Drawing information

Date: October
2025

Page 4



295 South
Merrinack, Hollis, NH
email:
gabriel@barriernorthamerica.com
phone: 1 (978)
328-8334



B80 System

Mullion With fixed
frame and sash

Important information
Inward opening

Drawing information
Page 15

Date: October
2025



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica.com
phone: 1 (978) 328-8334

B80 System

Mullion with 2 sashes

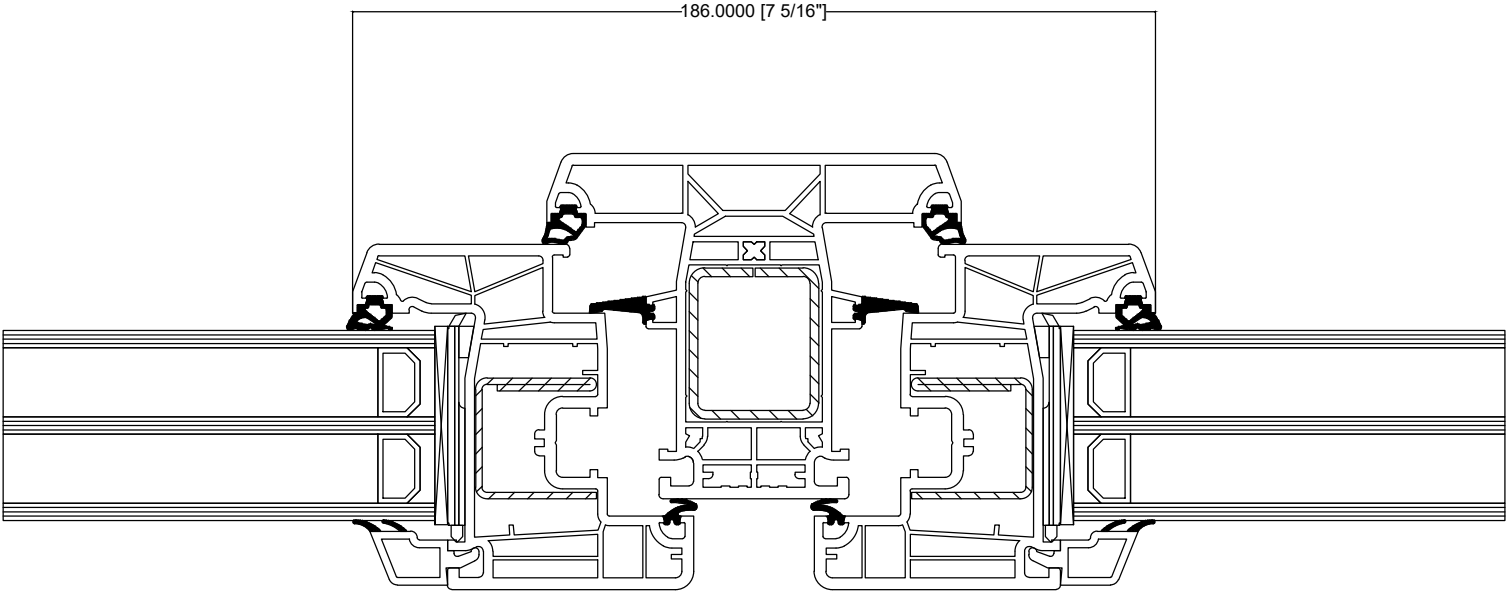
Important information

Inward opening

Drawing information

Page: 16

Date: October 2025



ACCESSORIES



295 South Merrinack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

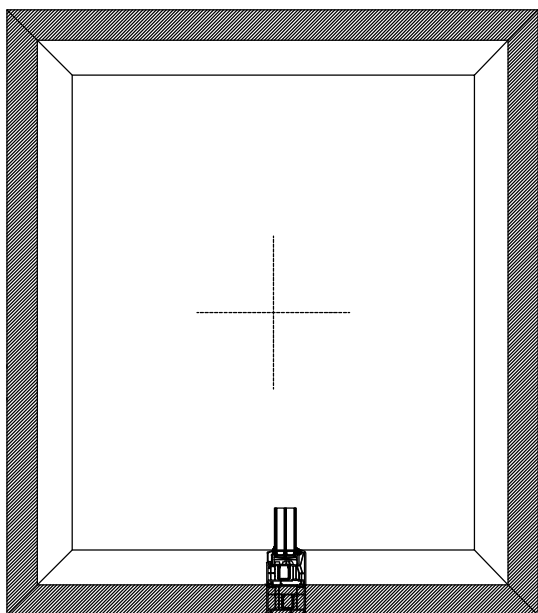
B80 System

General Information

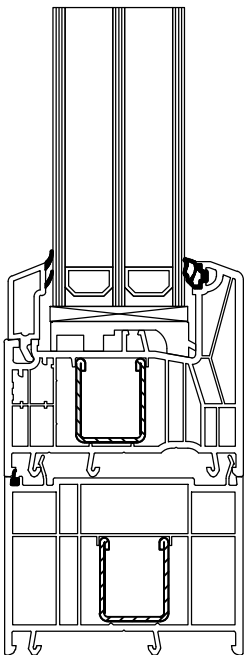
Important Information

Date: October 2025

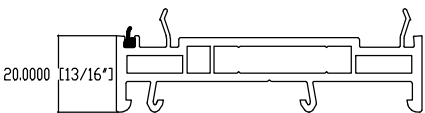
Page: 17



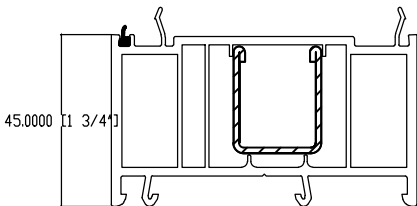
FIXED WINDOW WITH WIDENING PROFILE KP384



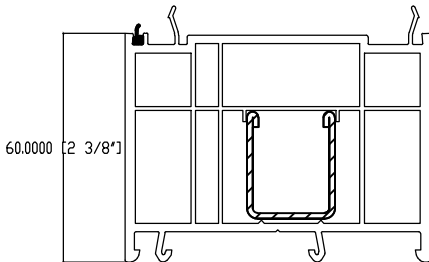
WIDENING PROFILE 20mm



WIDENING PROFILE 45mm



WIDENING PROFILE 60mm



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica.com
phone:1 (978) 328-8334

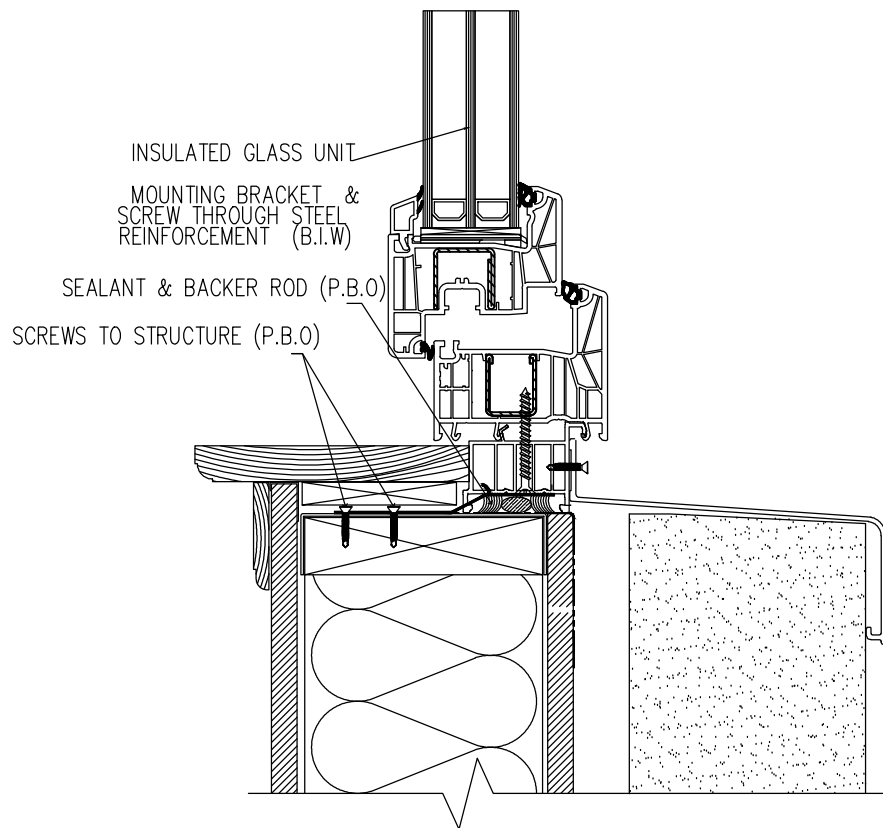
Widening Profile

General Information

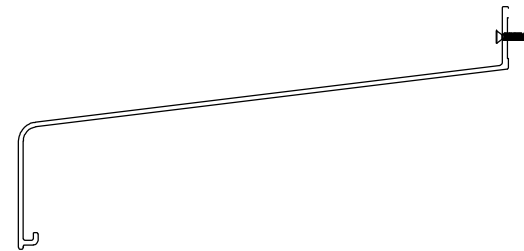
Important Information

Drawing info

Date: October 2025 | Page: 18



TYPICAL OPERABLE WINDOW SILL DETAIL IN CONVENTIONAL WALL STRUCTURE WITH MOUNTING BRACKETS AND ALUMINUM SILL PLATE



ALUMINUM SILL OVERHANG DIMENSIONS

(110mm)
(130mm)
(150mm)
(180mm)
(210mm)
(240mm)
(260mm)
(280mm)
(300mm)

Typical RAL colours for sills
including Black, Anthracite Gray,
White etc.



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

General Information

Aluminum sill plate, pallet of colors
available

Important Information

Drawing Information

Date: October 2025

Page: 19



295 South Merrimack, Hollis, NH
email: gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

Important information

Drawing information

Date: October 2025 Page: 20

Installation details



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

Installation Detail

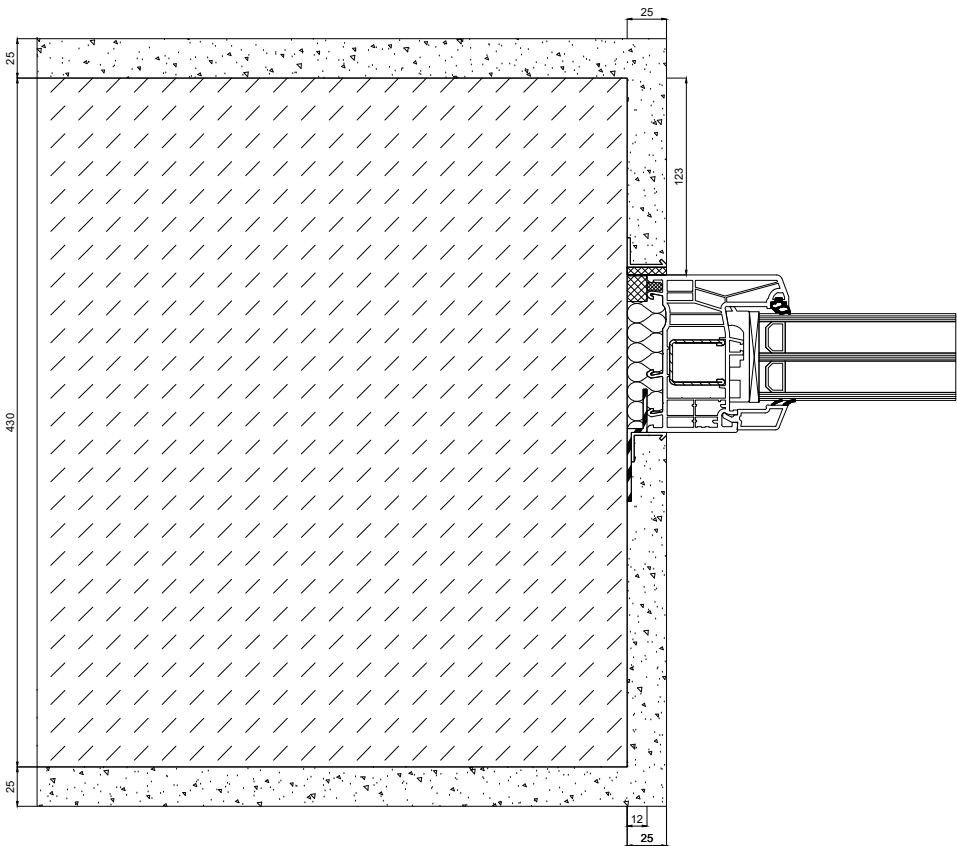
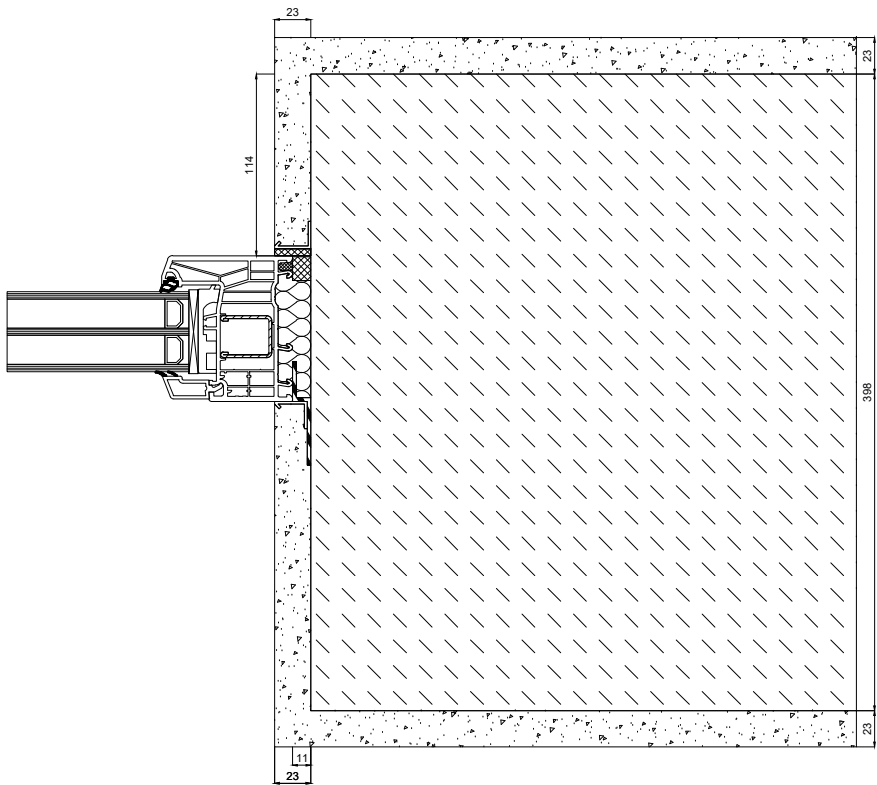
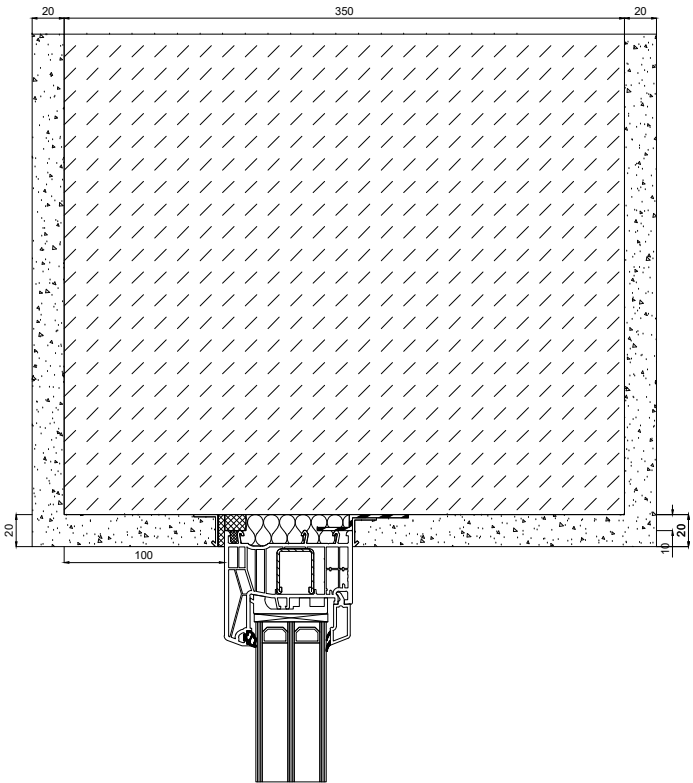
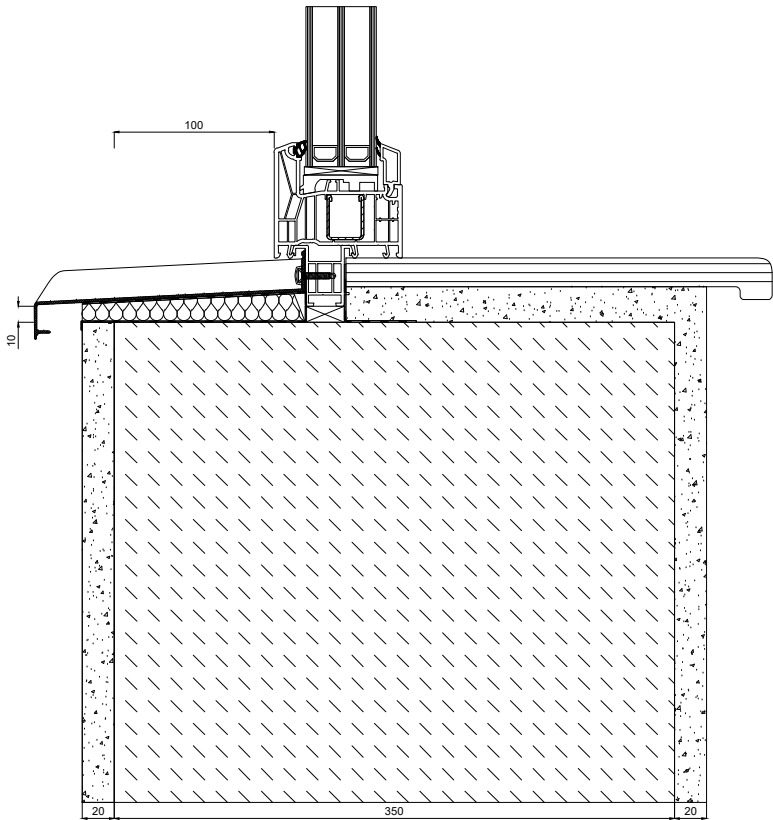
Important information

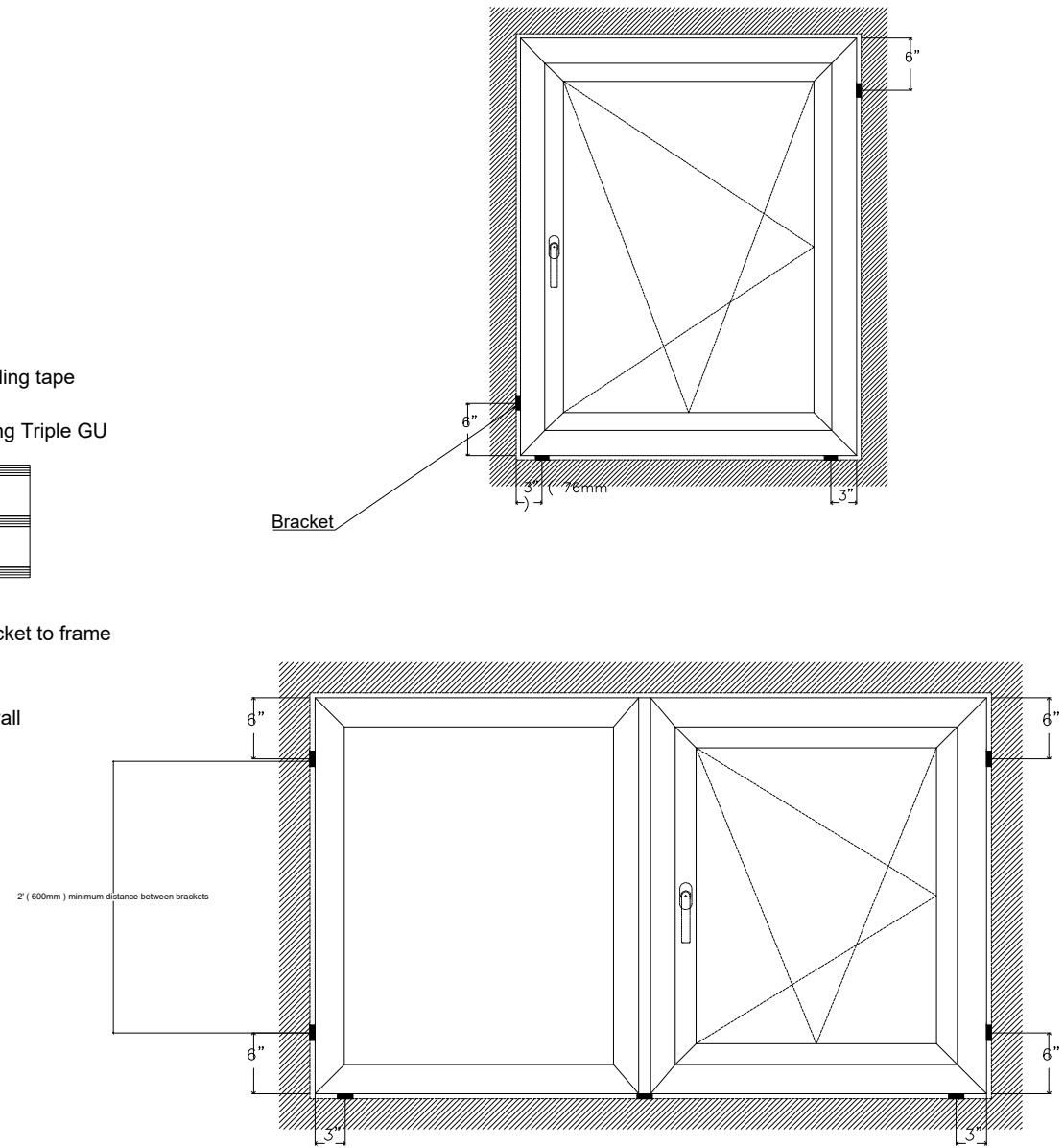
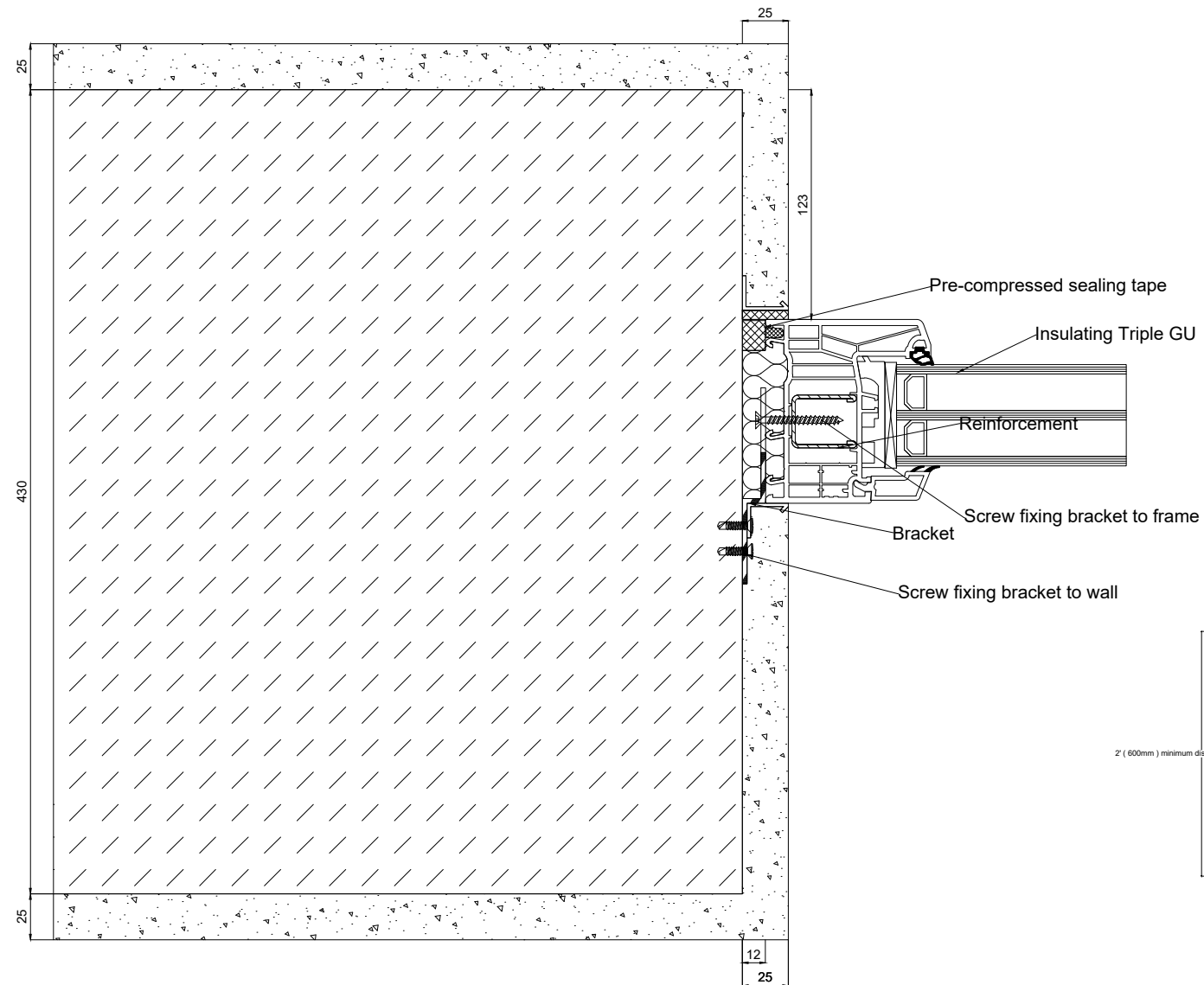
Inward opening

Drawing information

Page: 21

Date: October 2025





295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

General Information

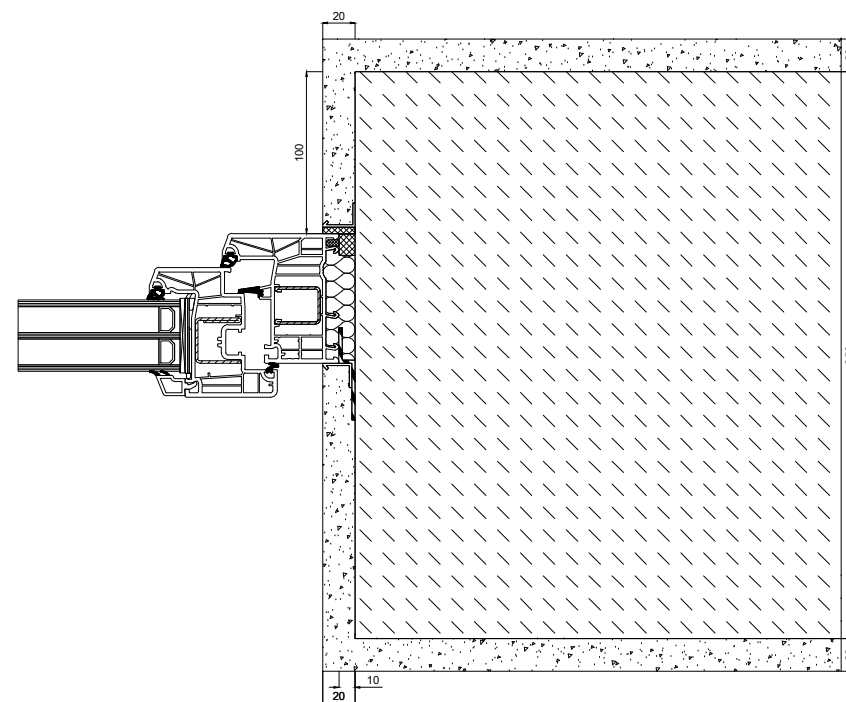
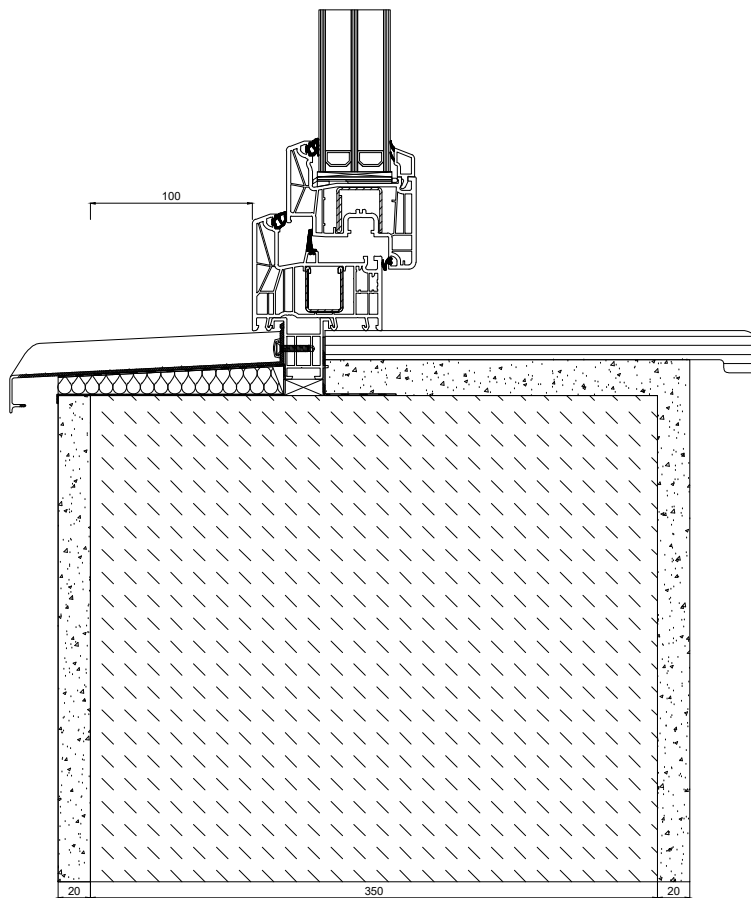
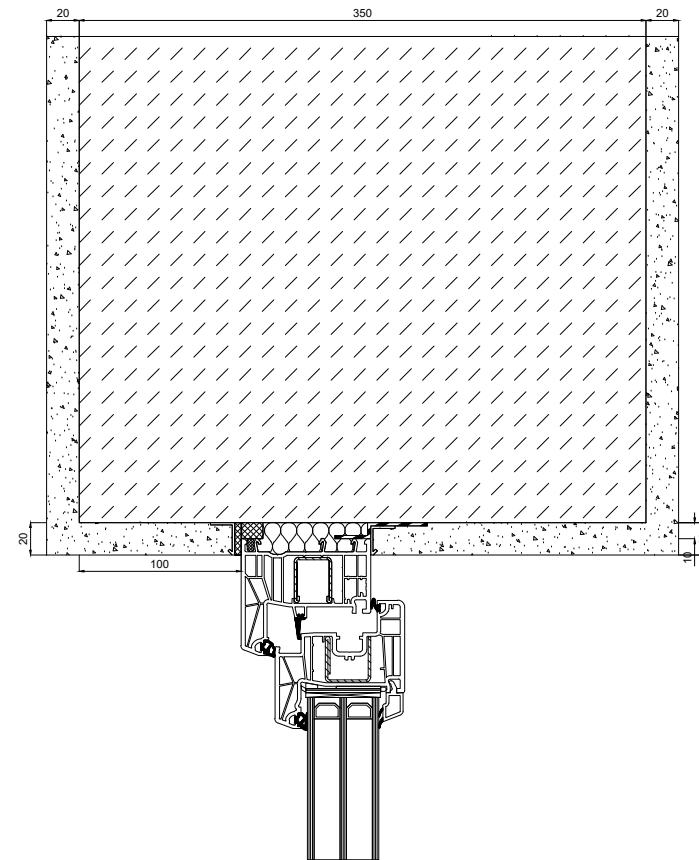
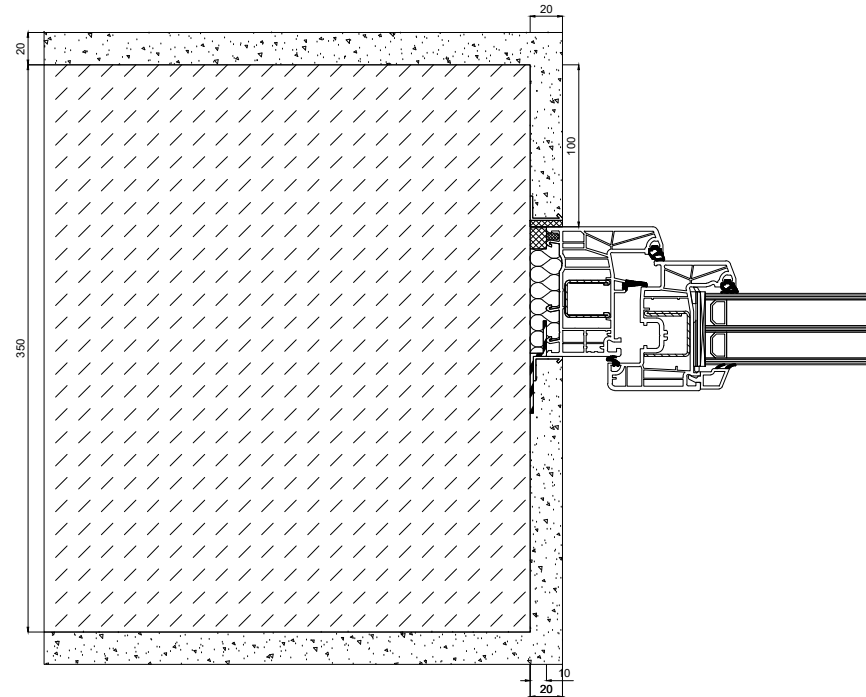
Fixed Window

Important Information

Drawing information

Date: October 2025

Page: 22

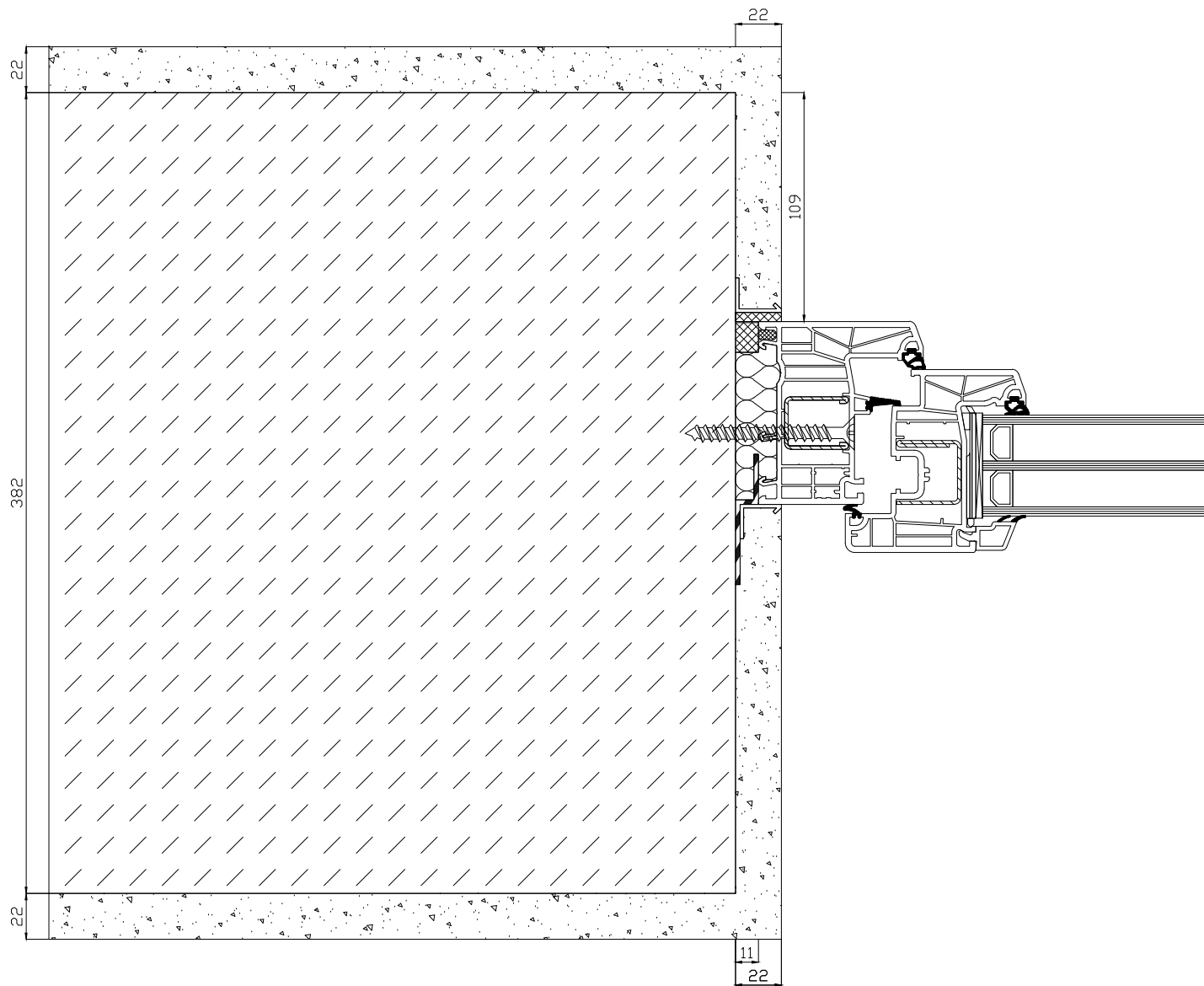


295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

General Information

Important Information



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

B80 System

General Information

Installation with
screw, without
bracket

Important Information

Installation with
screw, without
bracket

Date: October 24
2025

Page: 24



295 South Merrimack, Hollis,
NH
email:
gabriel@barriernorthamerica
phone: 1 (978) 328-8334

B80 System

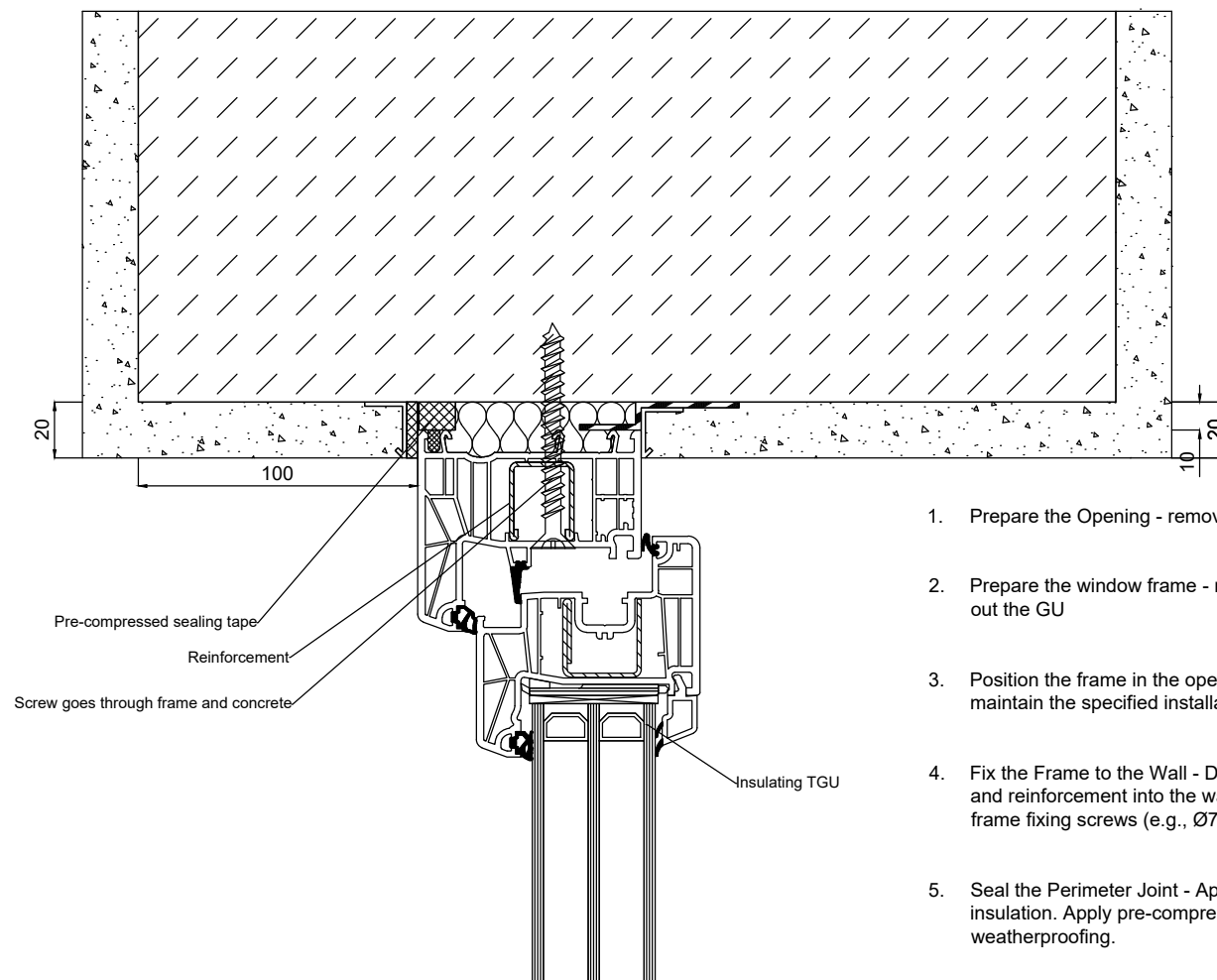
General Information

Installation with screw,
without bracket, detailed

Important Information

Installation with screw,
without bracket

Date: October 2025 Page: 25



1. Prepare the Opening - remove debris and clean the area
2. Prepare the window frame - remove the glazing beads and take out the GU
3. Position the frame in the opening - ensure correct level and maintain the specified installation gap (10-155mm per gap)
4. Fix the Frame to the Wall - Drill pilot holes through the frame and reinforcement into the wall substrate. Insert and tighten the frame fixing screws (e.g., Ø7.5 mm x 112 mm).
5. Seal the Perimeter Joint - Apply PU foam around the frame for insulation. Apply pre-compressed sealing tape externally for weatherproofing.
6. Reinstall the Glass - Reinstall glazing beads carefully.
7. Final Checks - Clean all surfaces. Apply protective film or cover until façade work is complete. Put a cap on top of the screw hole

HARDWARE



295 South Merrimack,
Hollis, NH
email: gabriel@barriernorthamerica.com
phone: 1 (978)
328-8334

B80 System

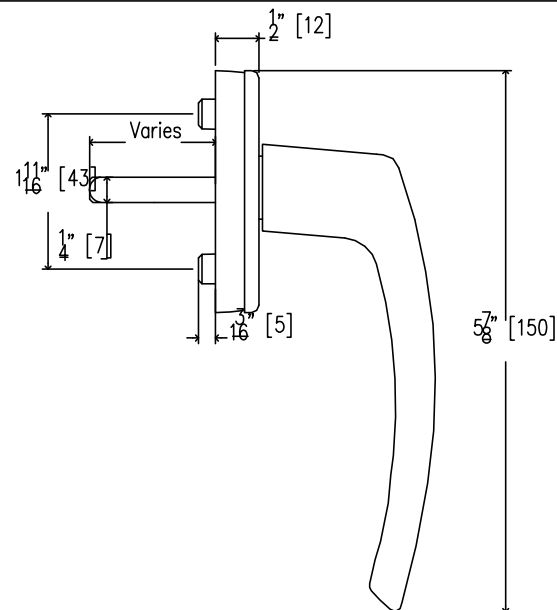
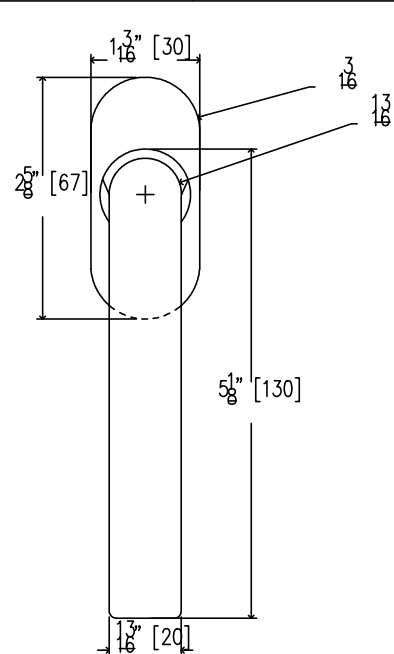
General Information

Important Information

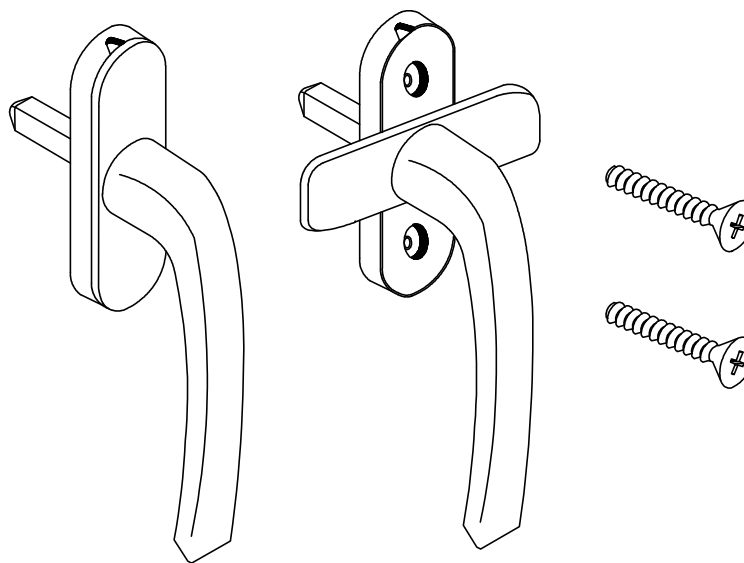
Drawing Information

Date: October 2025

Page: 26



Metz Secustik, 6
colours available



HANDLE – ISOMETRIC VIEW



295 South Merrimack,
Hollis, NH
email:
gabriel@barriernorthamerica
phone: 1 (978)
328-8334

Universal Handle

General Information

Important Information

Date: October 2025 | Page: 27