Series 9000, 9200, & 9600
Comparison Data Sheet – Double Glazed

Energy Value Comparison

The energy values provided below are based on fenestration values, not the centre of glass values.

Vision Glazing

Using 6mm with standard low E #2 / argon fill and warm edge spacer / 4mm clear.

SERIES	9000			9200			9600		
Energy	U_{fen} W/m²k	U_{fen} Btu/hft²F	$SHGC_{fen}$	U_{fen} W/m²k	U_{fen} Btu/hft²F	$SHGC_{fen}$	U_{fen} W/m²k	U_{fen} Btu/hft²F	$SHGC_{fen}$
Fixed	1.80	0.32	0.33	1.64	0.29	0.32	1.68	0.30	0.33
Operable	2.32	0.41	0.28	2.12	0.37	0.27	1.92	0.34	0.27

Opaque Areas

The R-Values noted below are based on using either spandrel glass, or various metal panel options on the exterior and an aluminum or galvanized back pan on the interior. **Note:** There is no back pan at bypass.

SERIES	9000		9200		9600	
Slab Nominal Support[1]	2 1/8”	1 1/8”	2 1/8”	1 1/8”	2 1/8”	1 1/8”
Opaque Areas[2]	R8	R8	R11	R11	R13[3]	R13[3]
Bypass[2]	R3	R7	R4	R8	R8	R12

[1] **Note:** Refer to detail page 9.1 for the 2 1/8” nominal support details and 9.2 for the 1 1/8” nominal support details, for the three above noted window wall systems. The 1 1/8” nominal support details provide an additional 1” of continuous mineral wool at the slab edge compared to the 2 1/8” nominal support details.

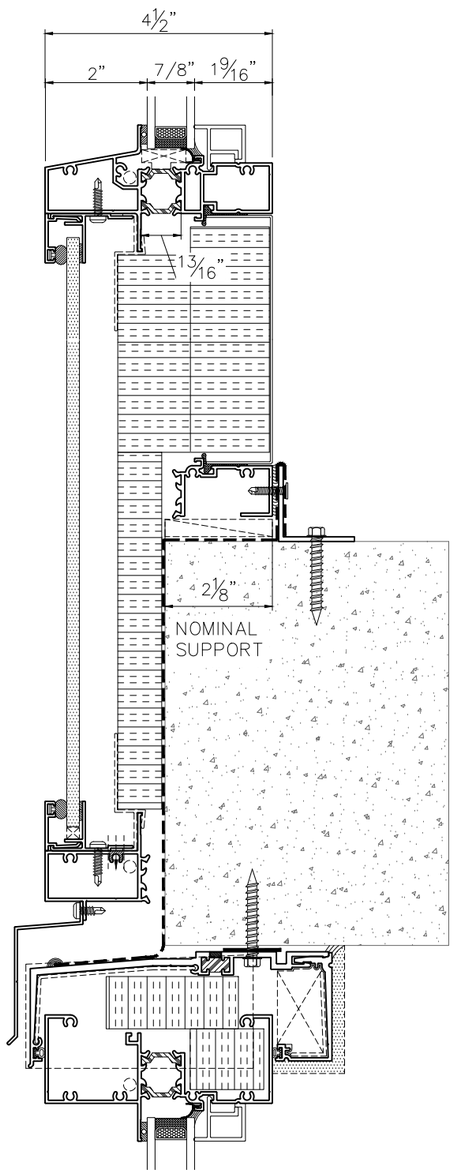
[2] **Note:** The exact R-Value will vary slightly depending on the exact opaque matrix – The exterior opaque option and an aluminum or galvanized back pan can result in the overall R-Value to vary by +/- R1.

[3] **Note:** Option to reduce the mineral wool from 4 1/2" to 3” to achieve an R8, should R8 meet the project specific energy requirements.

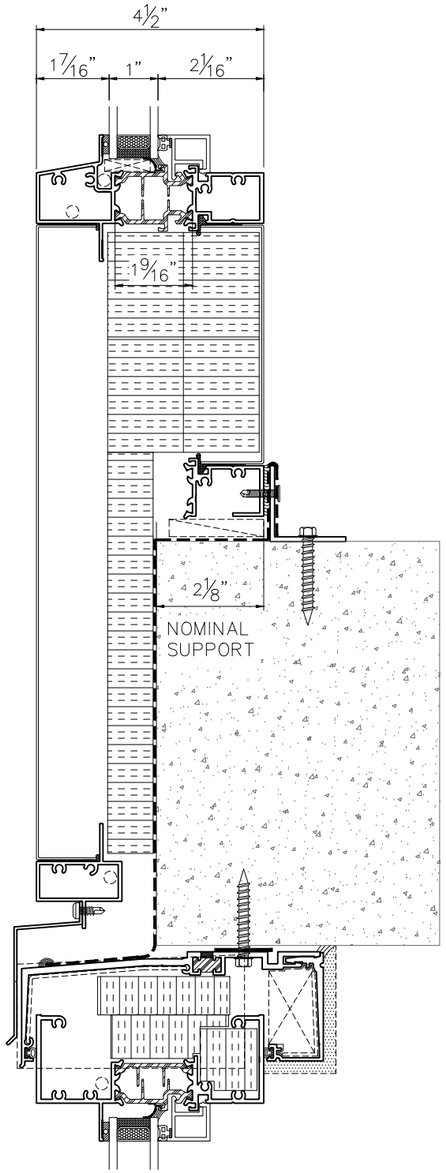
Main Differences Between the Series

The below table provides the main changes between the series 9000, 9200 and 9600.

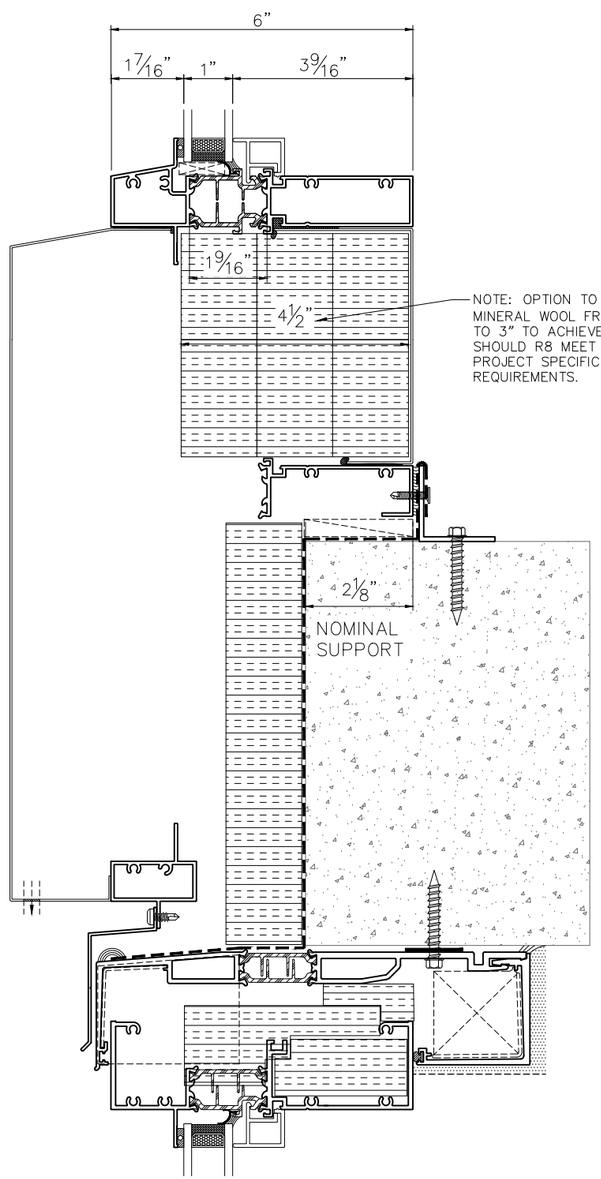
9000	9200	9600
7/8” (23mm) IGU	1” (25mm) IGU	1” (25mm) IGU
13/16” (20mm) Thermal Break (TB)	1 9/16” (39mm) Multi Chamber TB	1 9/16” (39mm) Multi Chamber TB
4 1/2" deep system Exterior face of mullion to IGU = 2” Interior face of mullion to IGU = 1 9/16”	4 1/2" deep system Exterior face of mullion to IGU = 1 7/16” Interior face of mullion to IGU = 2 1/16”	6" deep system Exterior face of mullion to IGU = 1 7/16” Interior face of mullion to IGU = 3 9/16”



1 9000 SERIES WITH SPANDREL GLASS



2 9200 SERIES WITH ALUMINUM PANEL



NOTE: OPTION TO REDUCE THE MINERAL WOOL FROM 4 1/2" TO 3" TO ACHIEVE AN R8, SHOULD R8 MEET THE PROJECT SPECIFIC ENERGY REQUIREMENTS.

3 9600 SERIES WITH 2" RMP

STARLINE WINDOWS
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NOTE:THE WINDOW/DOOR INSTALLATION DETAILS SHOWN HERE ARE A SUGGESTED METHOD OF INSTALLATION. PLEASE CHECK WITH YOUR WATER PROOFING/BUILDING ENVELOPE CONSULTANT FOR AN INSTALLATION METHOD APPROPRIATE FOR YOUR BUILDING AND ENVELOPE.

PROJECT:

TITLE: SERIES 9000, 9200, & 9600 BYPASS COMPARISION DETAILS - 2 1/8" NOMINAL SUPPORT

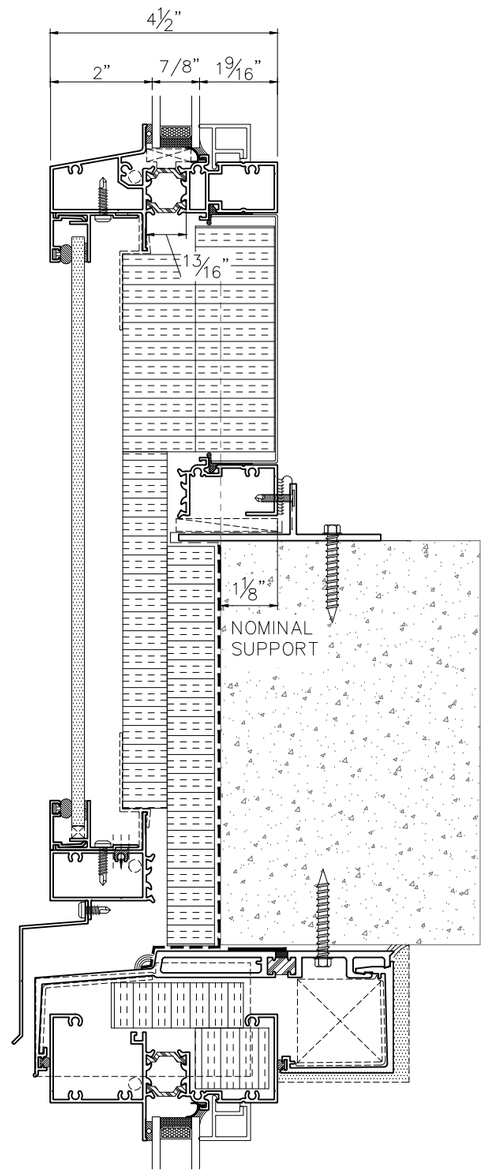
SCALE: 4"-1'-0"

ORIGINAL DRAWING DATE: March 18, 2022

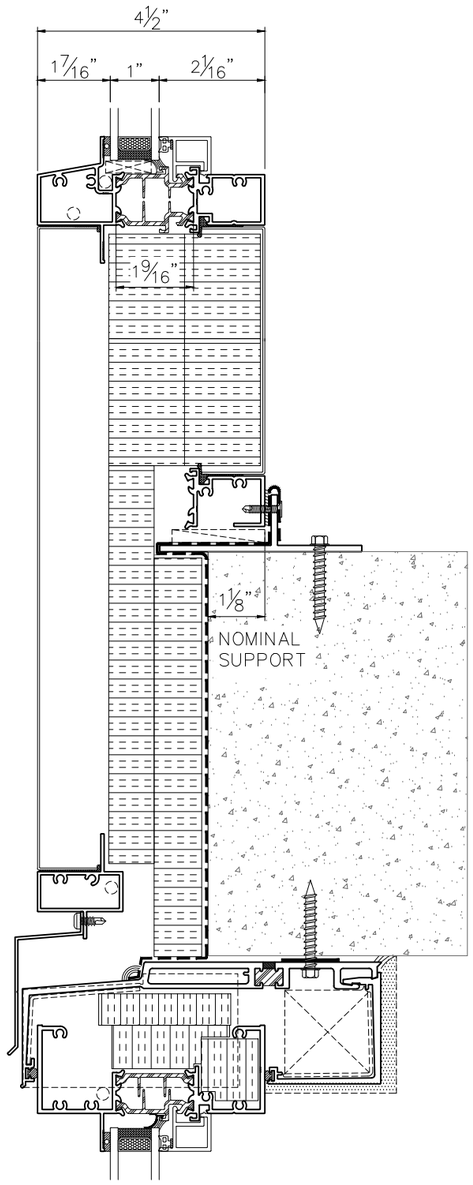
DRAWN BY: TK

PJT No.:

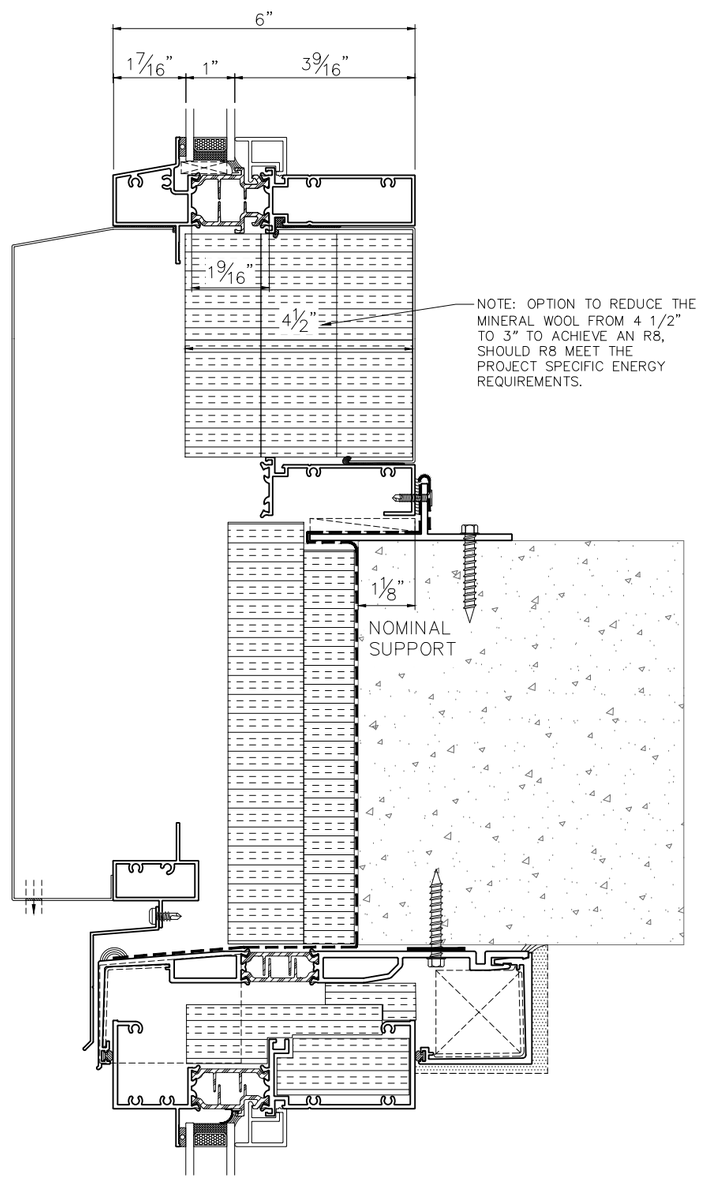
PAGE: 9.1



1 9000 SERIES WITH SPANDREL GLASS



2 9200 SERIES WITH ALUMINUM PANEL



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PROJECT:

TITLE: SERIES 9000, 9200, & 9600 BYPASS COMPARISION DETAILS - 1 1/8" NOMINAL SUPPORT

SCALE: 4"-1'-0"

ORIGINAL DRAWING DATE: March 18, 2022

DRAWN BY: TK

PJT No.:

PAGE: 9.2