TECHNOTES

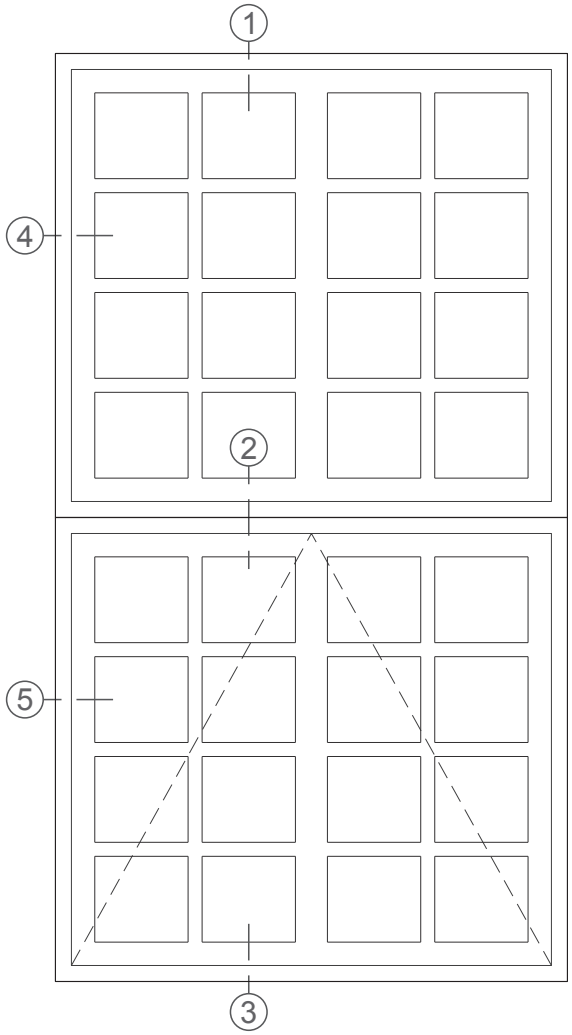
Oversized Hung Window Solution

On occasion, some historical renovations call for double or single hung windows over 6' (72") wide or 12' (144") tall. This is beyond the size parameters of Pella Corporation's current product offering. This solution will help address these situations.

Pella Architectural Solutions (PAS) developed an installation detail utilizing Architect Series® Fixed Casements and operable Large Awnings. The project used custom stiles and rails to match those of a double hung window. This application is primarily used for Architect Series products. The same installation detail could be used with Lifestyle Series®; however, custom stiles and rails would not be available.

See the following for the typical details as well as sample pictures.

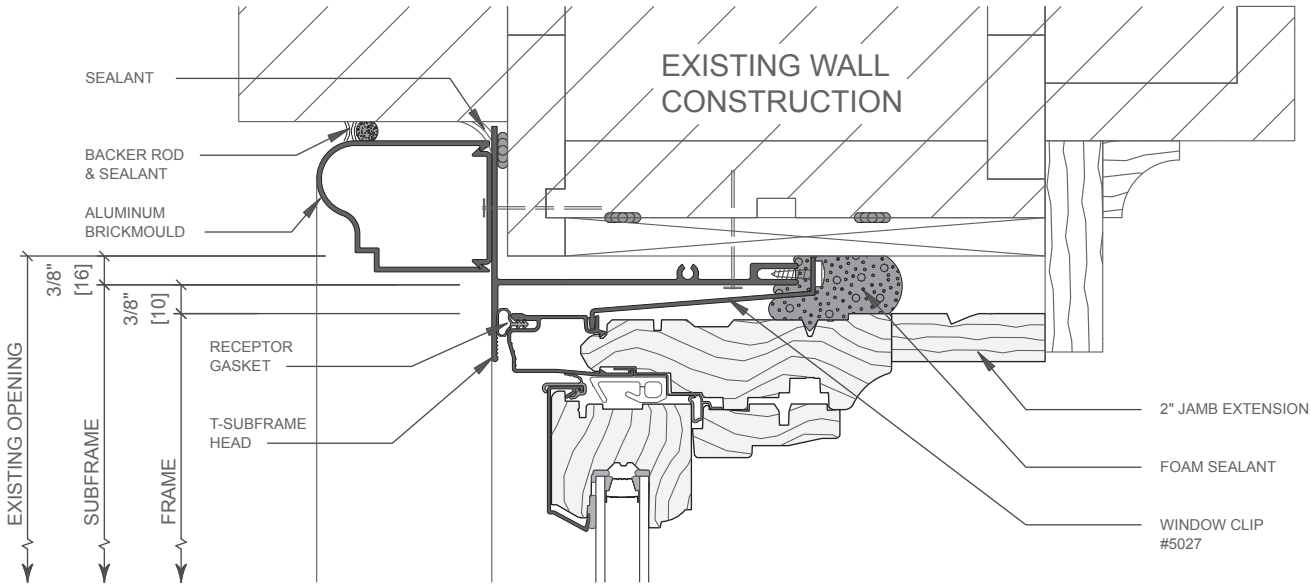
Typical Oversized Double-Hung Examples:



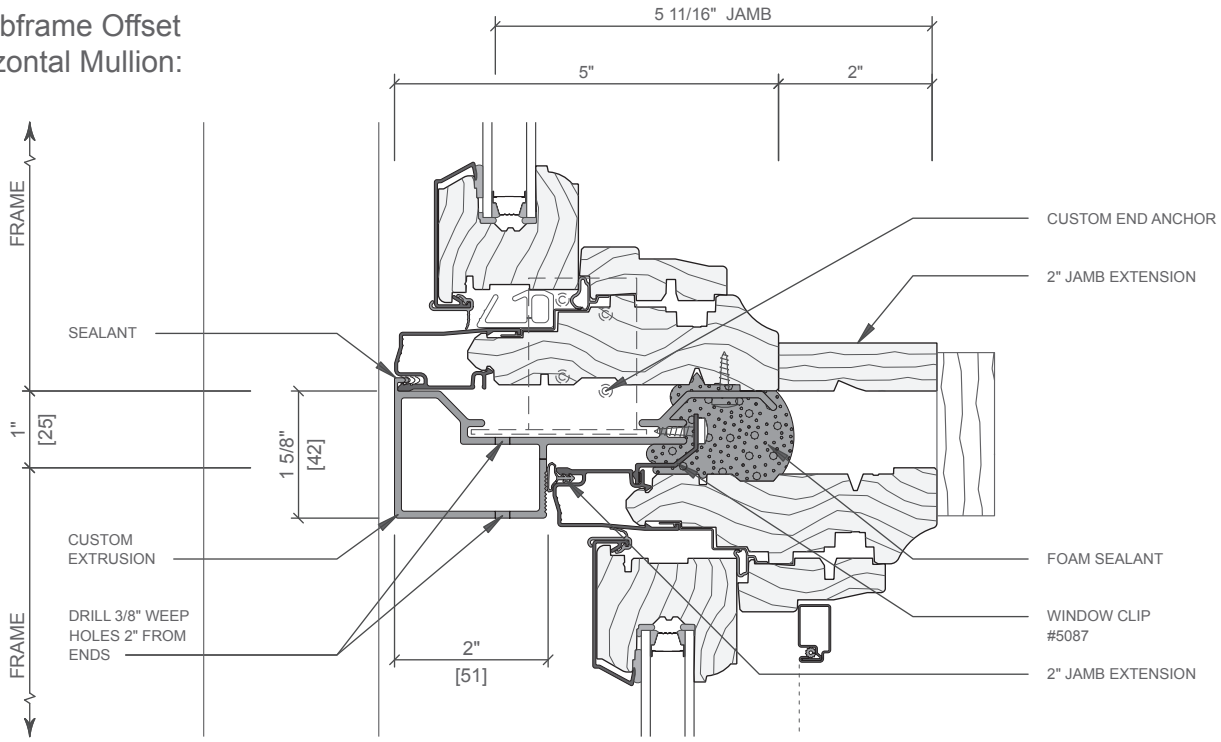
Composite ID	Unit ID	Product Code
EXAMPLE	A	ASCAWFX1Z1
EXAMPLE	B	ASCLAVZ1Z2

Option A: T-Subframe with custom extruded simulated checkrail.

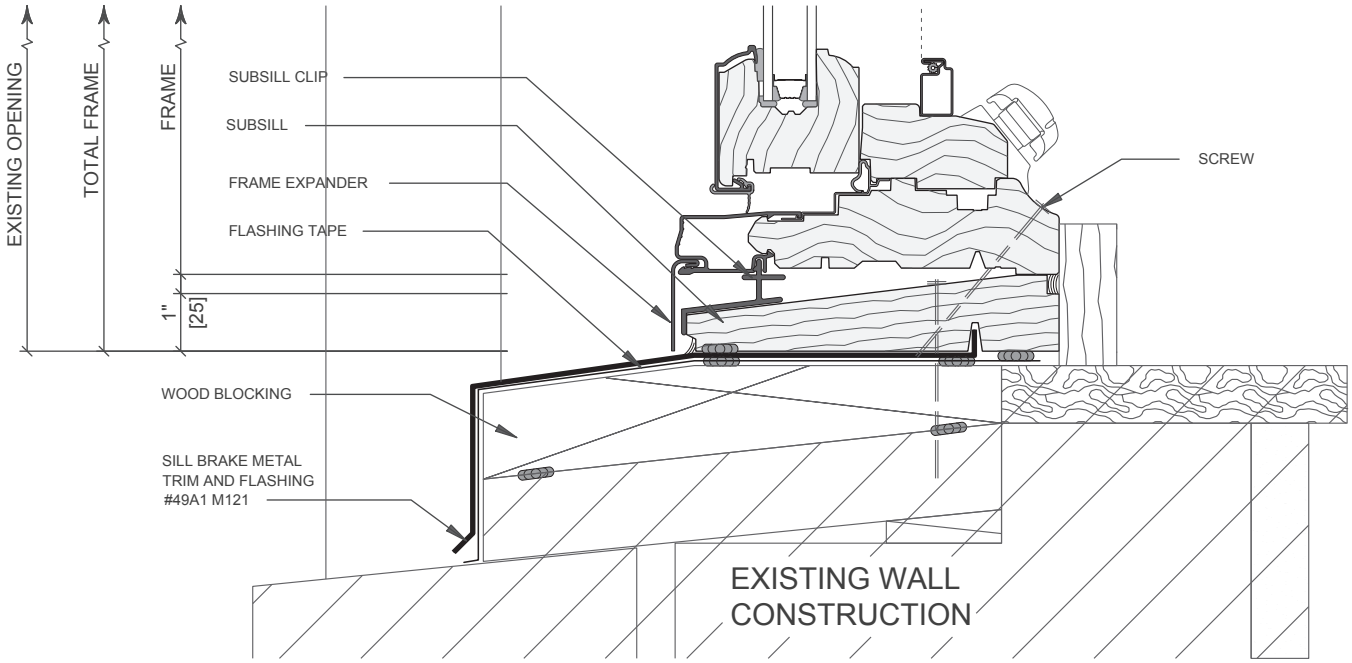
1A – T-Subframe Head:



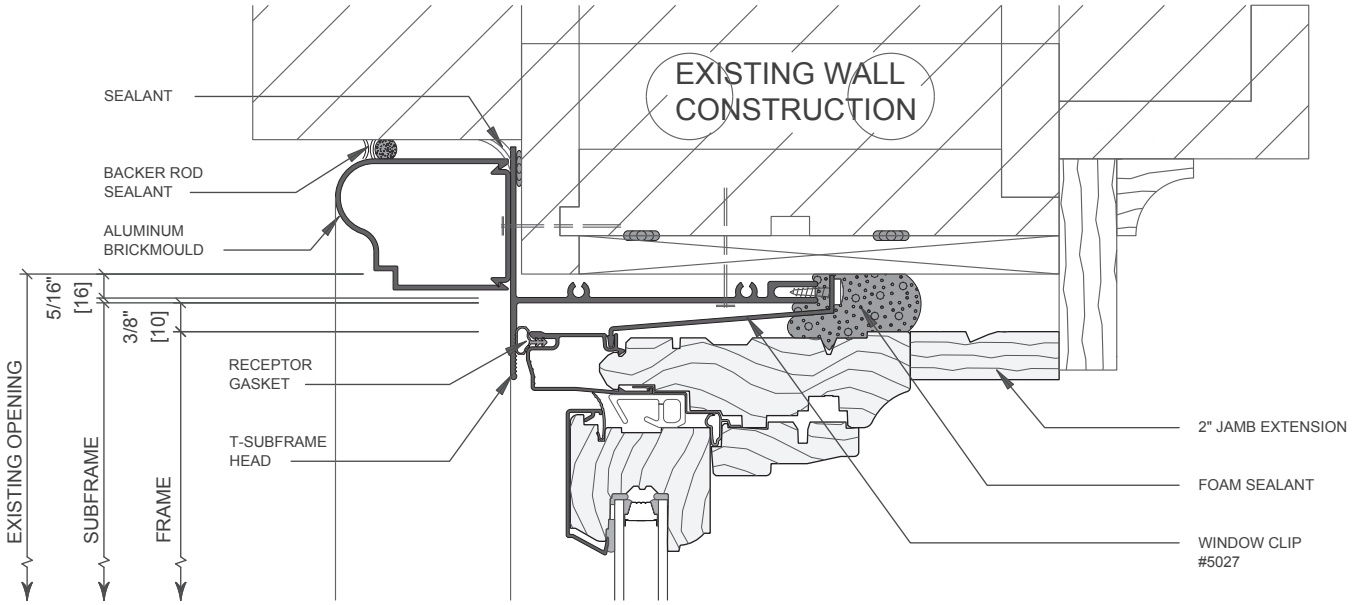
2A – T-Subframe Offset Horizontal Mullion:



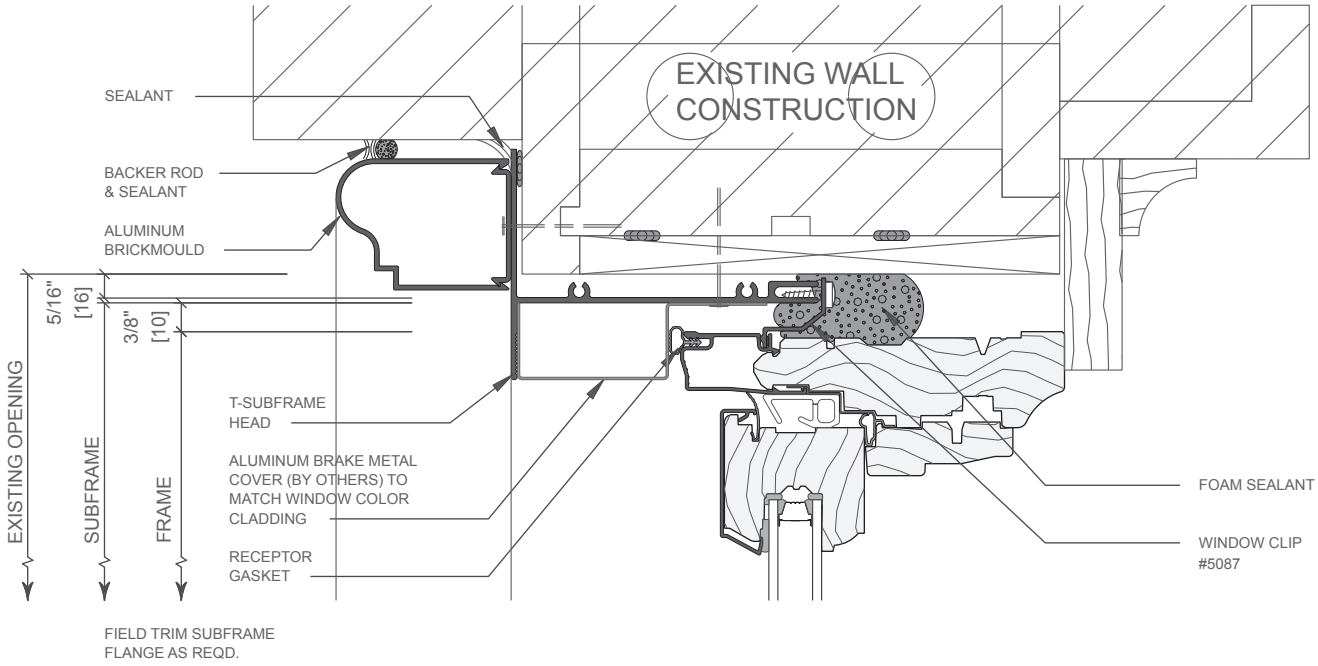
3A – T-Subframe Sill:



4A – T-Subframe Upper Jamb:

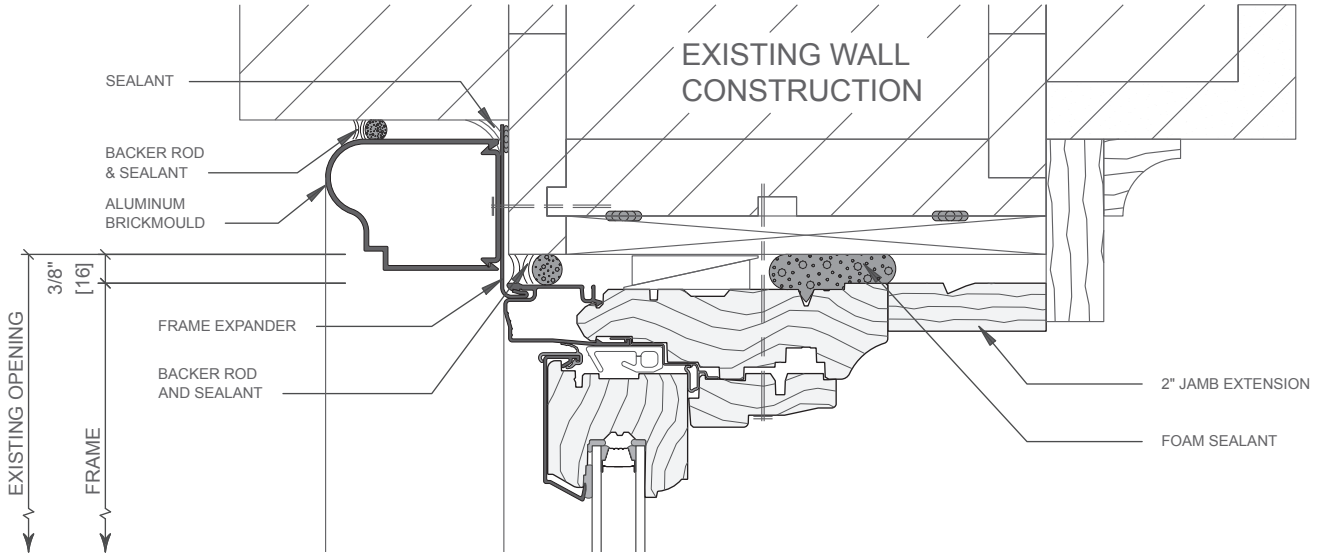


5A - T-Subframe Lower Jamb:

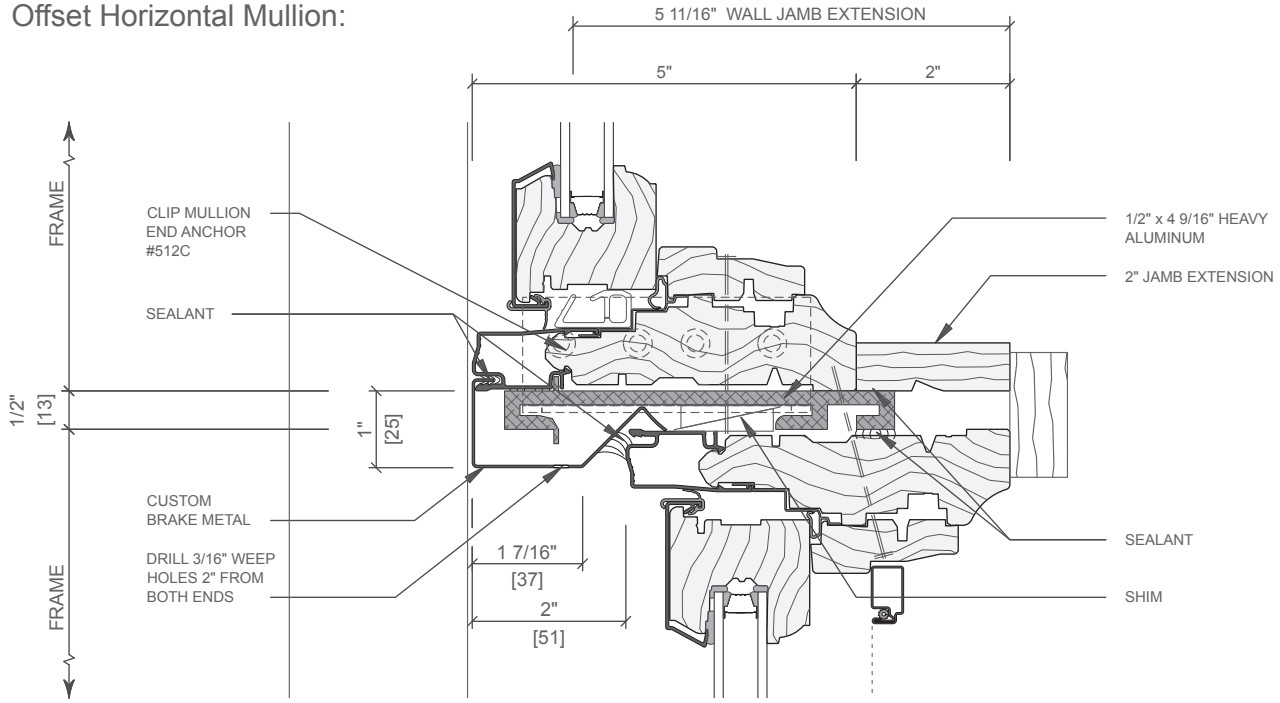


Option B: Clip or frame Anchor with 1/2" reinforcing and brake metal checkrail.

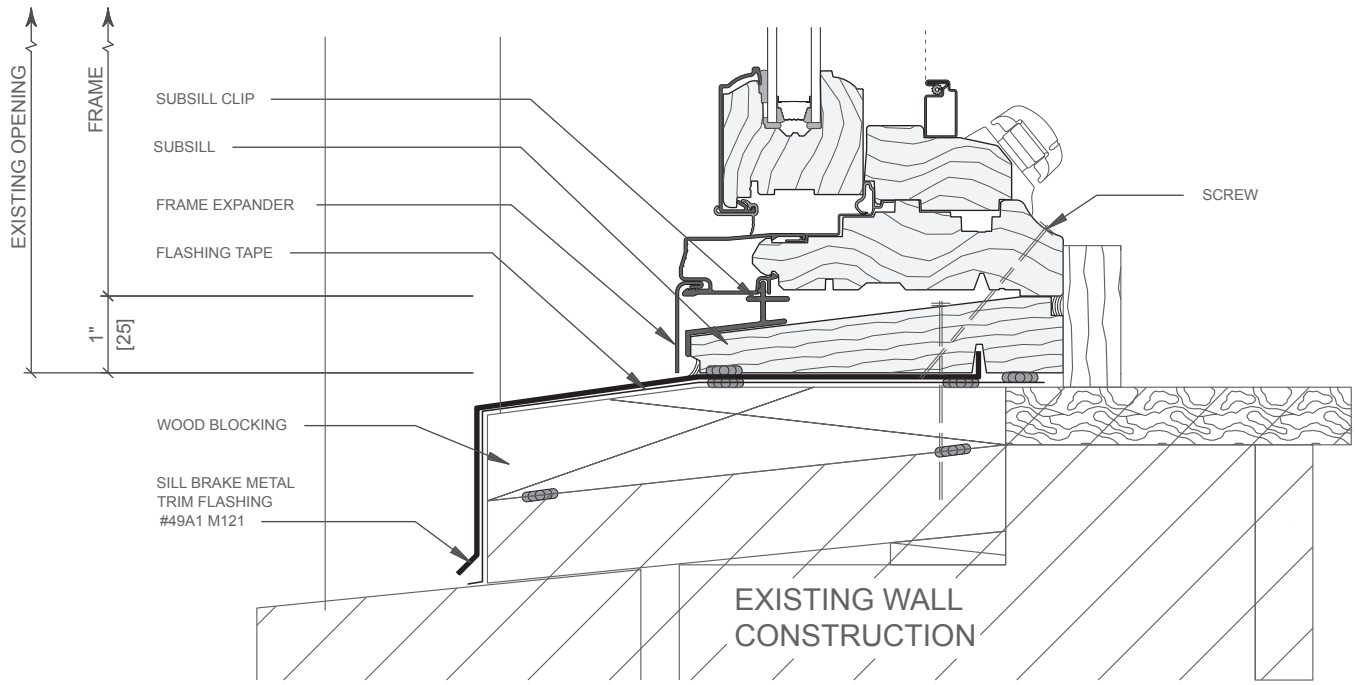
1B - Brake Metal Head:



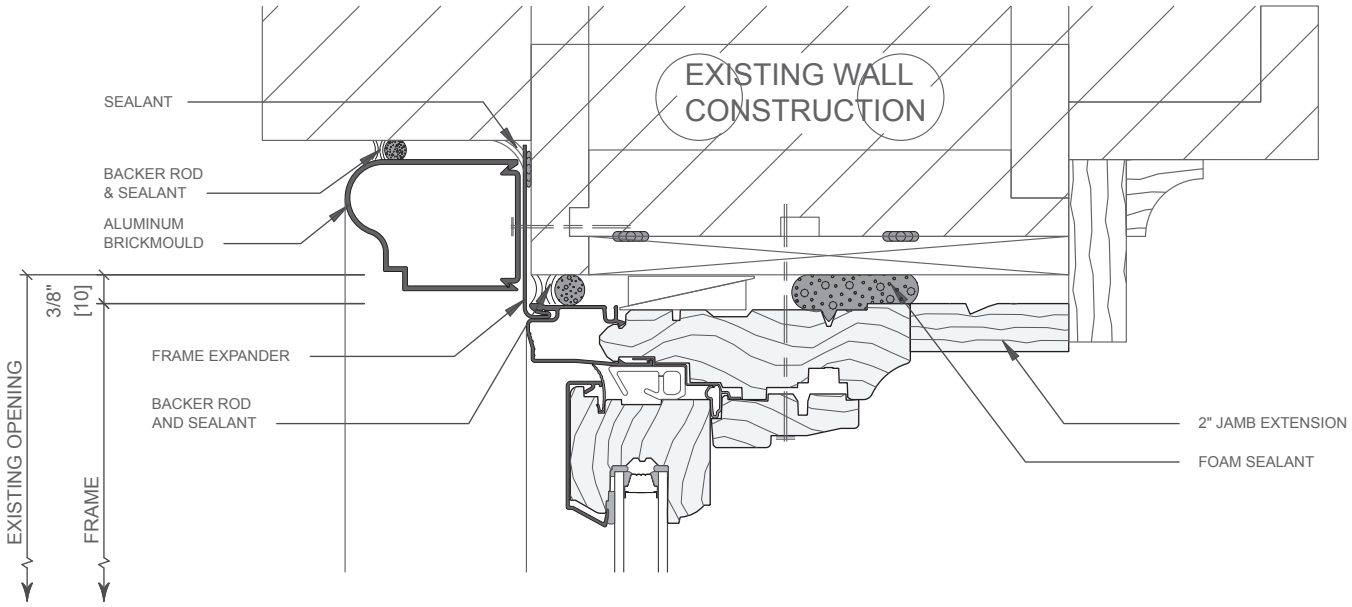
2B - Brake Metal Offset Horizontal Mullion:



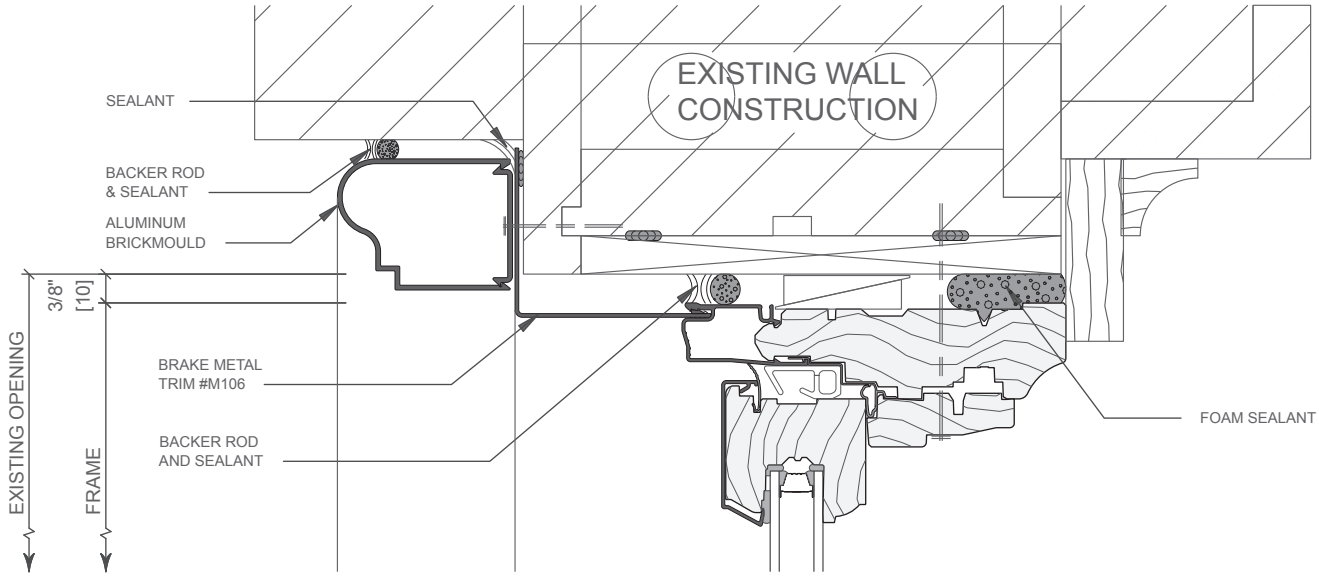
3B - Brake Metal Sill:



4B – Brake Metal Upper Jamb:

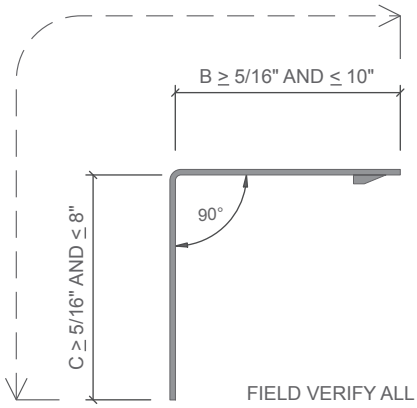


5B – Brake Metal Lower Jamb:



FULL TIME EXPOSED - FULL PAINT COVERAGE

49A1 Break Metal:

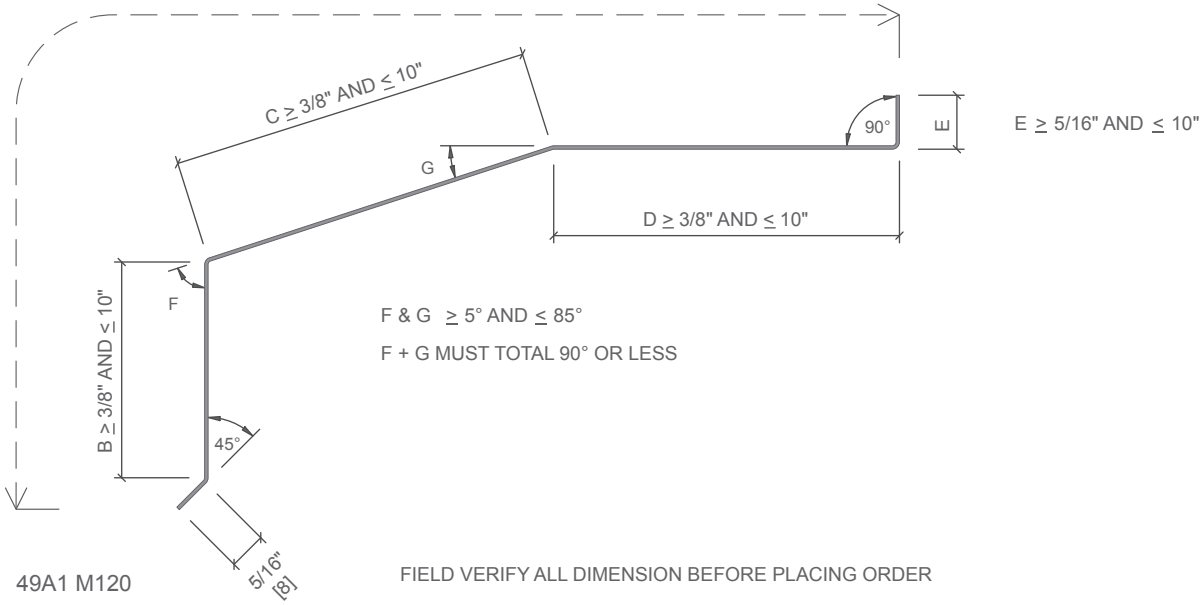


FIELD VERIFY ALL DIMENSION BEFORE PLACING ORDER

49A1 M106

DETAIL #	QTY.	LENGTH	B	C	
5B Brake Metal			2 - 9/16"	2 - 1/4"	

FULL TIME EXPOSED - FULL PAINT COVERAGE



F & G ≥ 5° AND ≤ 85°

F + G MUST TOTAL 90° OR LESS

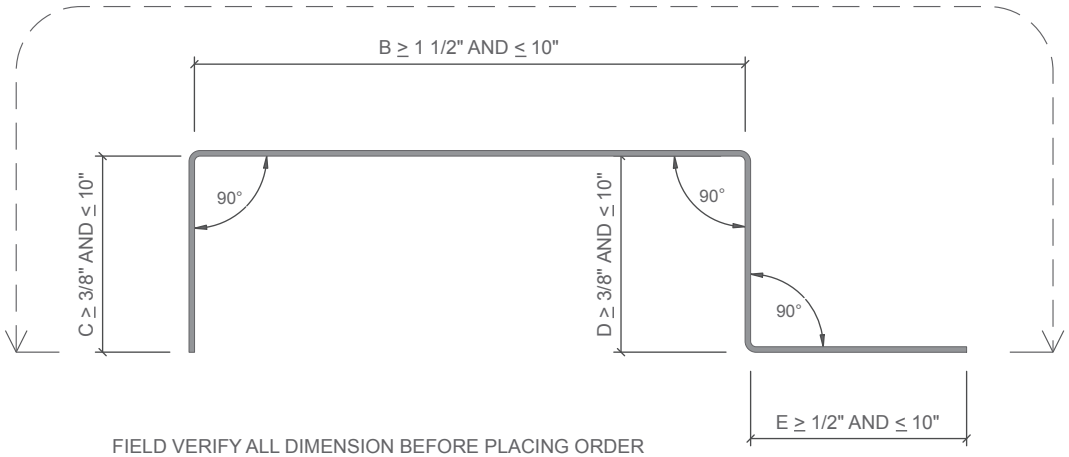
49A1 M120

FIELD VERIFY ALL DIMENSION BEFORE PLACING ORDER

DETAIL #	QTY.	LENGTH	B	C	D	E	F	G
3A Sub-Frame			2"	2 - 3/4"	3 - 5/8"	3/8"	75°	15°
3B Brake Metal			2 "	2 - 3/4"	3 - 5/8"	3/8"	75°	15°

Custom Break Metal:

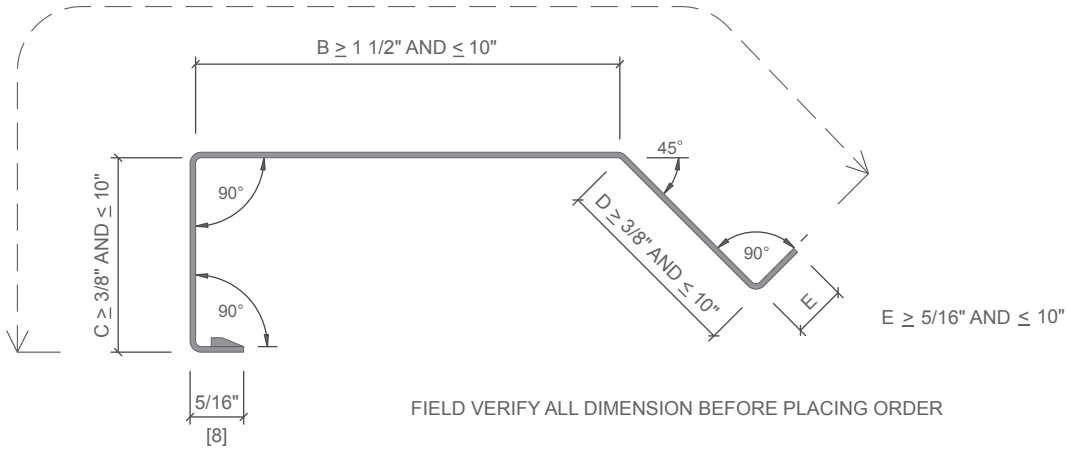
FULL TIME EXPOSED - FULL PAINT COVERAGE



FIELD VERIFY ALL DIMENSION BEFORE PLACING ORDER

DETAIL #	QTY.	LENGTH	B	C	D	E
5A Sub-Frame			1 - 15/16"	1 - 1/8"	1 - 1/8"	1 - 1/4"

FULL TIME EXPOSED - FULL PAINT COVERAGE



FIELD VERIFY ALL DIMENSION BEFORE PLACING ORDER

DETAIL #	QTY.	LENGTH	B	C	D	E
2B Brake Metal			1 7/16"	1 - 1/8"	1 - 1/8"	7/16"

Typical Oversized Double-Hung Photos:



Ground view of installed oversized hung



Close-up view of installed oversized hung

Contact Pella Architectural Solutions (PAS) or the Commercial Solutions Team with questions. This detail is a custom solution developed by PAS and is not available in PERL or the online ADM. If your project calls for this detail you will need to work with PAS to incorporate this detail in your shop drawings.