TECHNOTES

Pella® Impervia® T-Receptor
Installation within Existing Metal Window Opening

The Impervia T-Receptor provides an alternative approach to window replacement as it allows the existing metal (aluminum or steel) window frame to remain in place. With removal of only the existing metal sash and mullion components the existing metal frame remains secured and sealed to the existing building wall. The T-Receptor system is installed and sealed within the existing window frame opening, ready for the installation of the new Impervia block frame window. The T-Receptor may also be used in select new construction conditions and wood window replacement situations. Pella Architectural Solutions can help with a design specific to your project.

Advantages of the T-Receptor system:

- Existing window frame remains integrated with the wall system
- Aluminum receptor components attached and sealed within existing opening
- Conceals existing metal window frame to become receptor for new window
- Minimal disruption reduces labor costs
- Work can be completed from the interior of the building eliminating need for exterior scaffolding and its expense

Accessories required and PQM order information:

- Impervia T-Receptor – PQM/Pella Configurator/Install and Trim Lineal Accessories/Attachment Options
- Impervia Receptor Window Clips #01Q60000 – PQM/Pella Catalog/Impervia/Installation Accessories
- Receptor Gasket #0DA9A000 - PQM/Pella Catalog/Box Qty Install Acc/Commercial System Accessories
- Custom brake metal (depending on sill condition)





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EXISTING WINDOW CONDITION

Confirm the condition of the existing metal window frame is structurally sufficient to accept attachment of the receptor and new window.



RECEPTOR SYSTEM BEFORE WINDOW

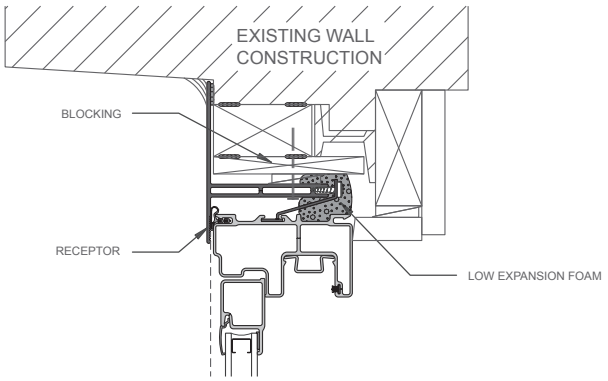
The window replacement process includes the removal of the existing metal window sash and mullions. Treated wood blocking is sealed and attached to the existing frame interior perimeter. Metal sill pan flashing is attached and sealed to the wood blocking at the window sill. T-Receptors are then attached and sealed at the opening jambs. T-Receptor is installed at the head of the opening and overlaps the tops of the jamb receptors. Seal the exterior perimeter of the receptors and sill flashing to the existing wall. Weep slots located toward each jamb must be provided in the sealant at the base of the sill flashing. Window installation is ready to proceed utilizing the system attachment clips and gaskets. Subsill is optional.



COMPLETED INSTALL AT HEAD

Completed installation of T-Receptor system

Window installed with bulb gasket and attachment clips





COMPLETED INSTALL AT SILL

Optional subsill pictured

Detail at right shows sill pan with window sealed at interior to pan leg and at exterior to flashing surface

