



Drop-In-Seal-Kit™ (D-I-S-K™)

For New or Replacement Gel in Grid Systems and Bottom Load Filters.

Mission Critical Components:

A WM Plastics White Papered Fully Cured Gel-Sealant product packaged in a stabilized container and ready to be dropped onto the track of new and existing gel grids or bottom load filters.

Downtime Minimization:

Provides the flexibility to replace defective gel in an existing grid or bottom load with an off-the-shelf replacement kit that greatly reduces cost. The defective gel is simply extracted from the grid's channel and the new Drop-In-Seal-Kit™ is dropped in to replace it, eliminating the time and expense of a traditional “gel re-pour”—a cumbersome, messy process.

The Drop-In-Gel-Seal™ system—a light crosslink of highly plasticized thermoset elastomers held in place by the polymer backbone with a unique Patented attachment method—was invented by ThreeSquared Solutions™. Our proprietary application method to the underside and top-side of an aluminum *channel frame* custom designed to fit onto “grid sections” or other Gel receptacles.

The “underside gel strip” seals the channel frame to the grid structure and covers up any lingering residue, while the “top-side gel” rests inside the gutter of the channel frame or Filter Gel-Track to accept the knife-edge component of traditional HEPA filters.

This allows “sections” of ceiling grid (like a 2x4 [8 ft²] section) or Bottom Load Filter to be ready for commissioning in minutes—or the time it takes to simply drop the channel frame into place. Drop in frame are produced in a Clean-room environment in any size and have a multi-year shelf life.

Margin of Safety:

As much as the Drop-In-Seal-Kit™ performs at a tolerance level unmatched in the industry—an extremely tight, unbreachable seal—the gel strip that connects the channel frame to the grid's structure can be easily removed...eliminating the laborious remediation of the residue.

No Mixing:

The Drop-In-Gel-Seal™ can be placed in unlevel and undulating ceiling grids without the need for laser leveling due to its factory cured condition.

Eliminate High Cost of Failure:

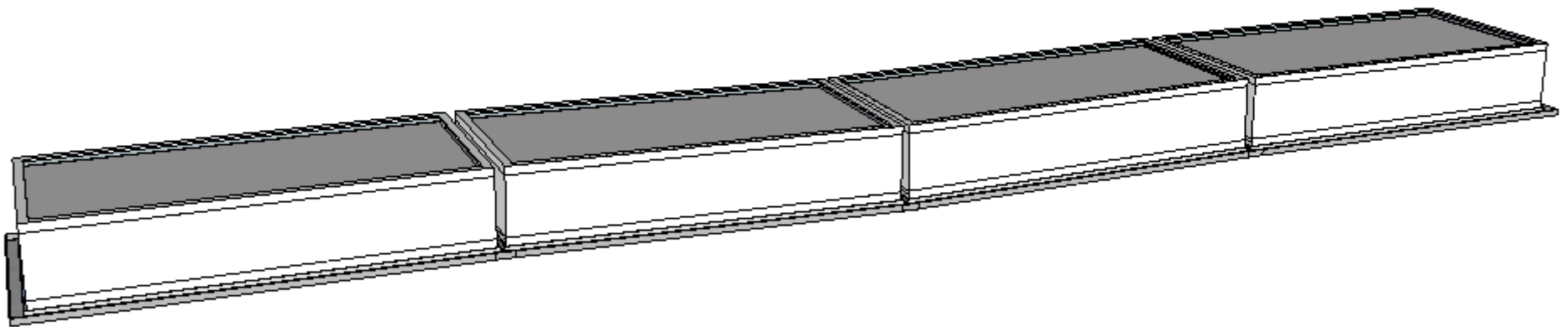
The Drop-In-Gel-Seal™ uses an *Intel White Papered* product, installed on mill finished extruded aluminum channel with a layer of non-off gassing material, embedded with Gel and secured by stainless steel fasteners on the flat side of the channel.

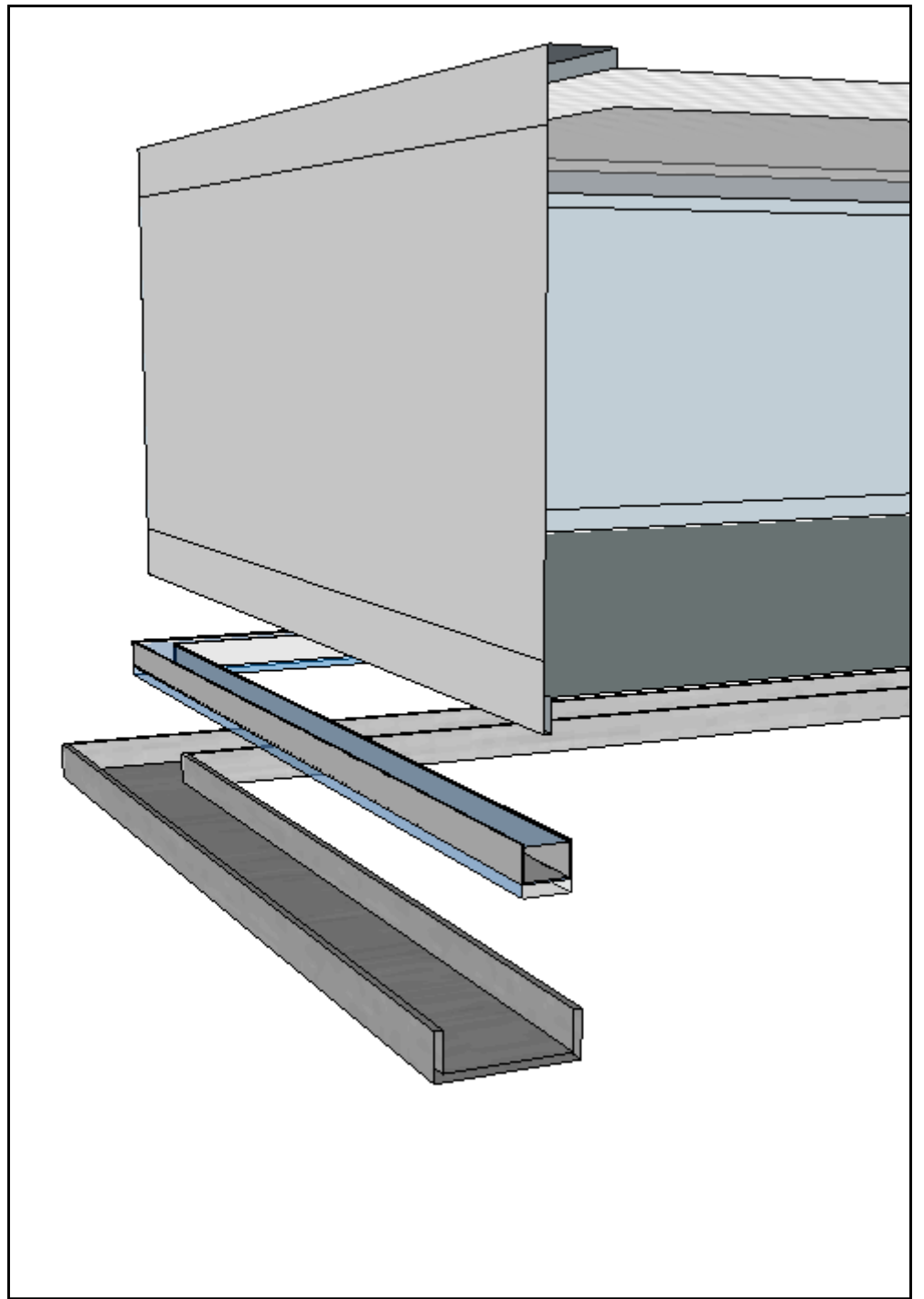
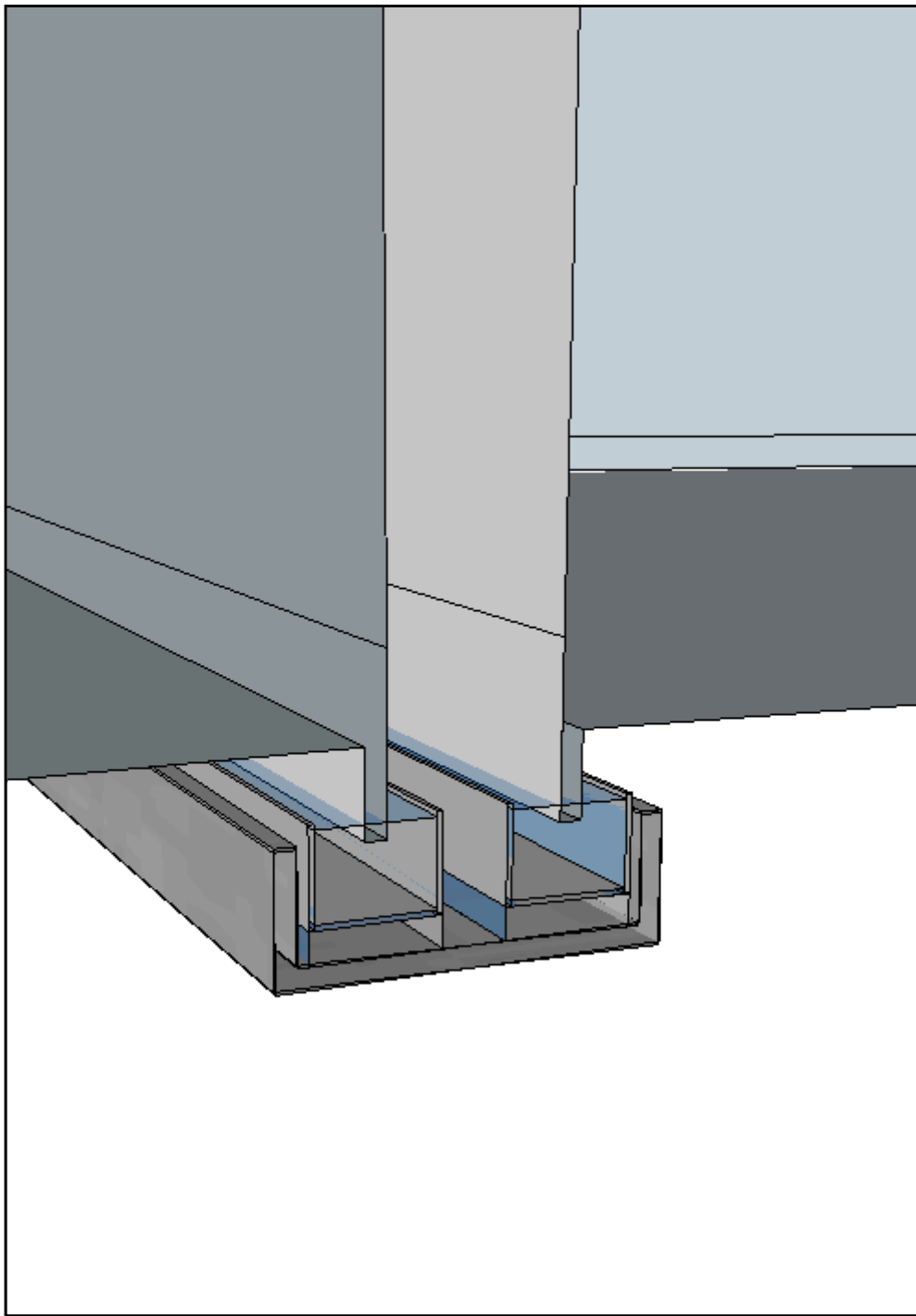
Three Squared Solutions™ Drop-In-Seal-Kit™ has wide acceptance in both chip manufacturing and Life Science and other cleanroom applications, successfully tested in a gas chromatograph for off-gassing by ChemTrace to Intel Specs of 50C for 30 min.

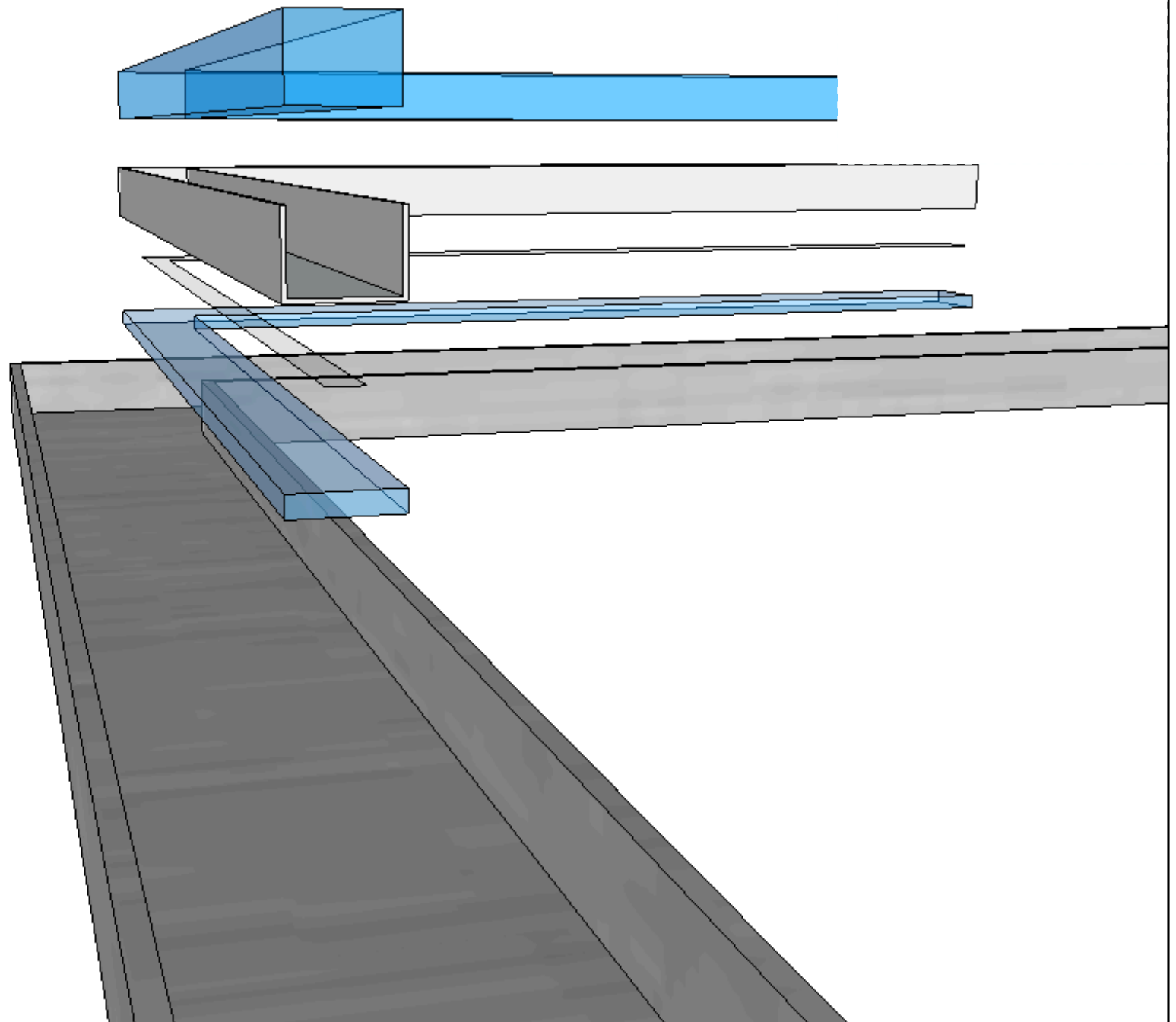
The Drop-In-Seal-Kit™ brings modularization to what has traditionally been a “100% in-place” application.

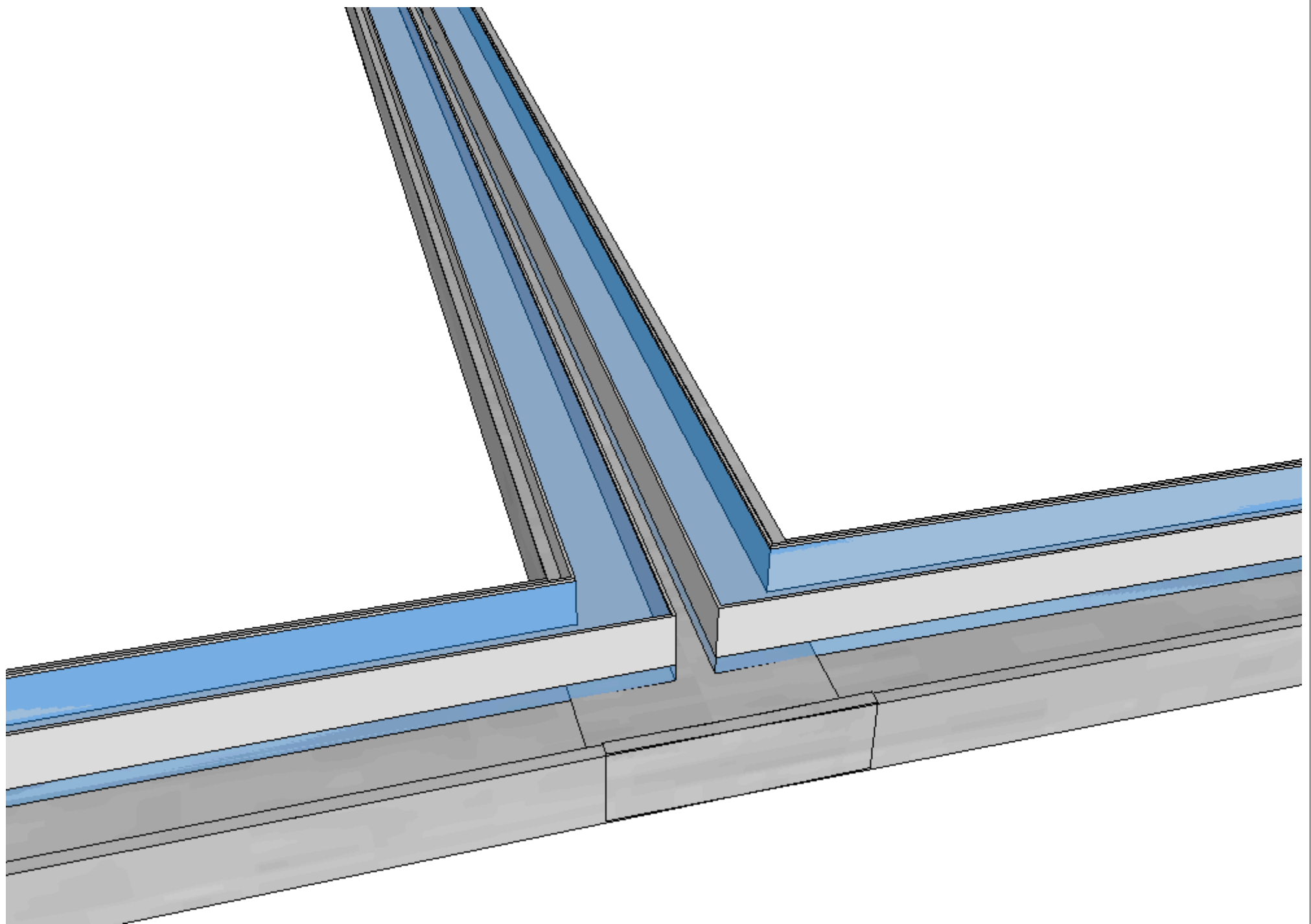
Eliminate and Mitigate Pain Points with The Next Generation Product

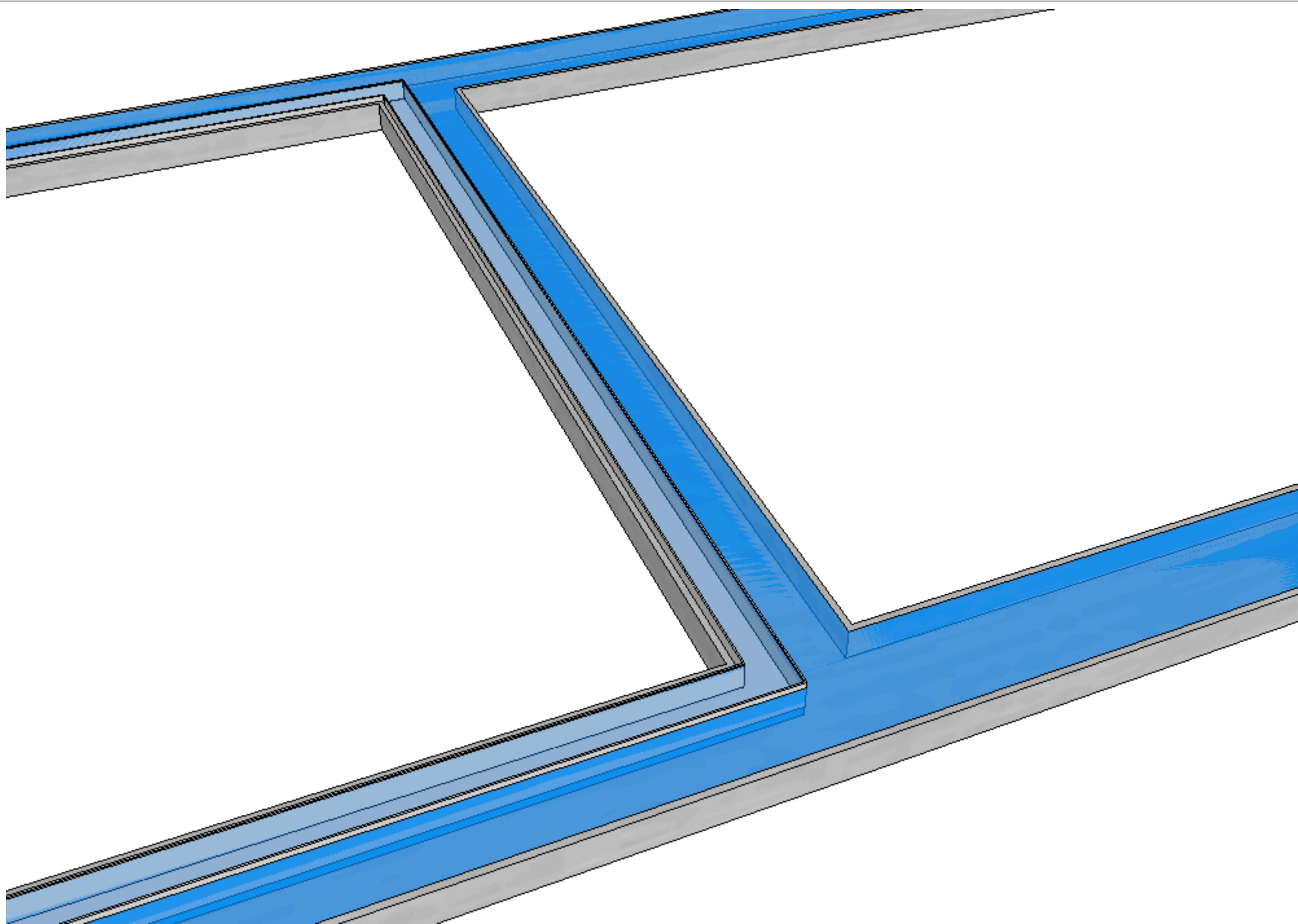
Contact: James Crawford (980)722-4035 james.crawford@threesquaredsolutions.com

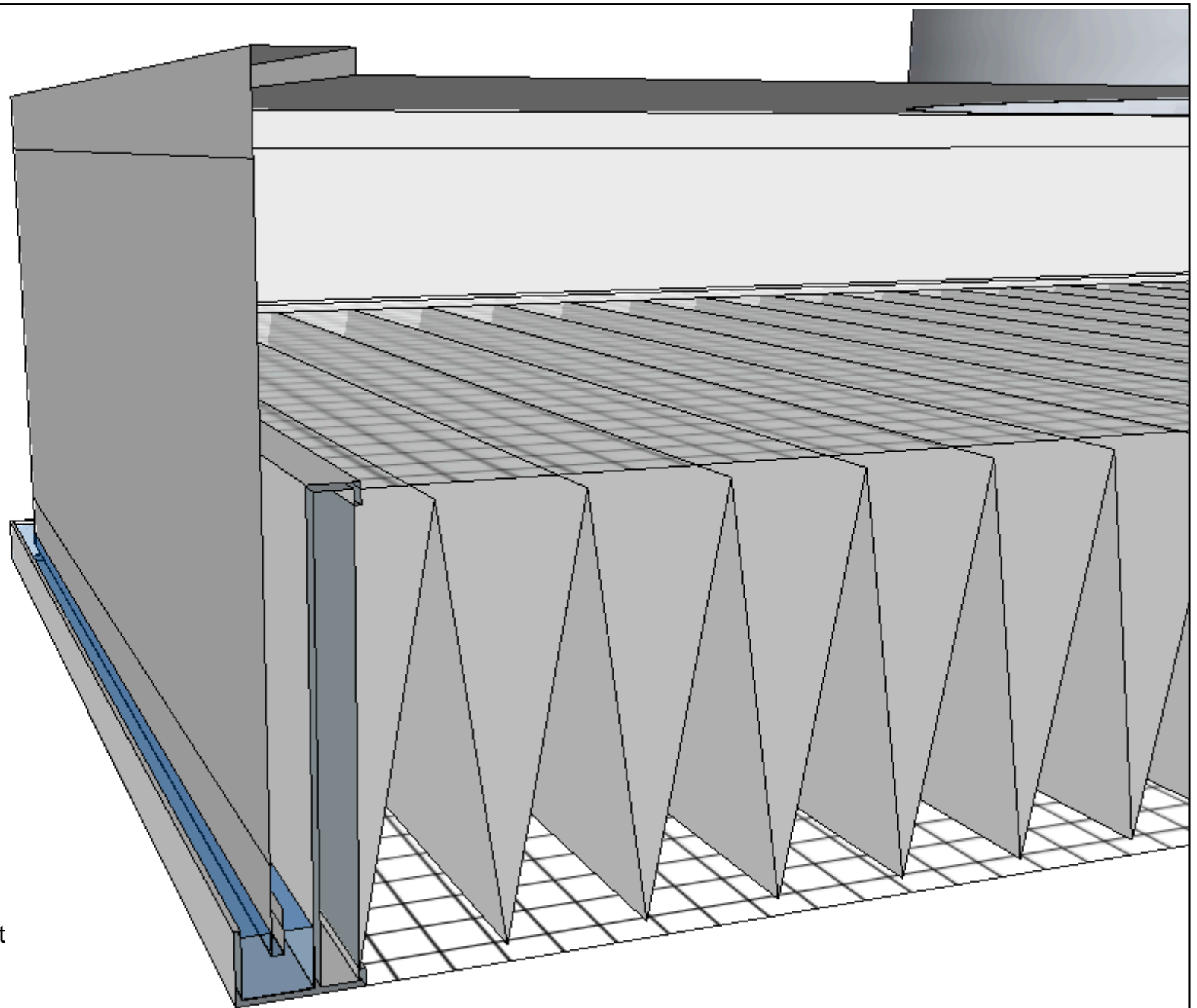




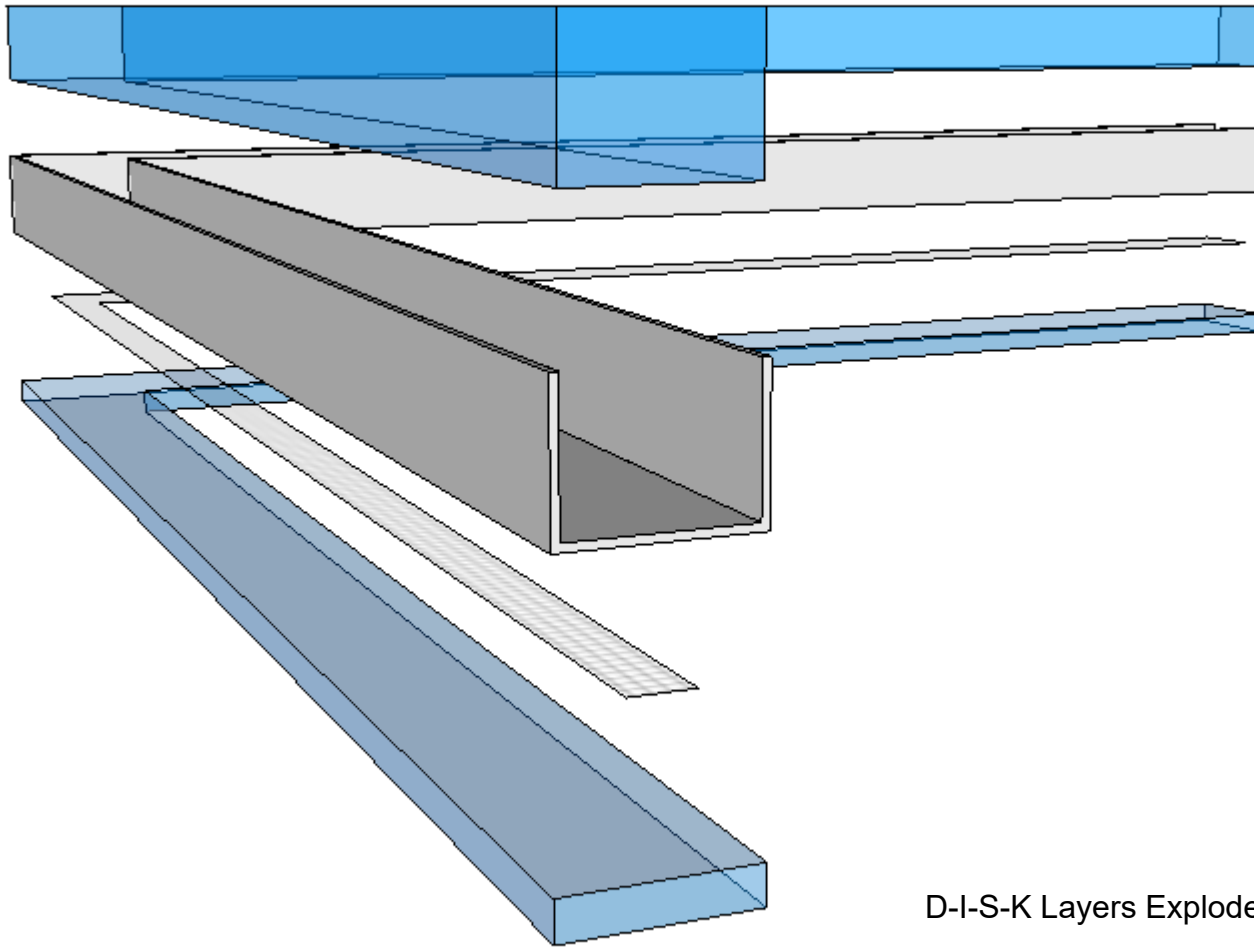






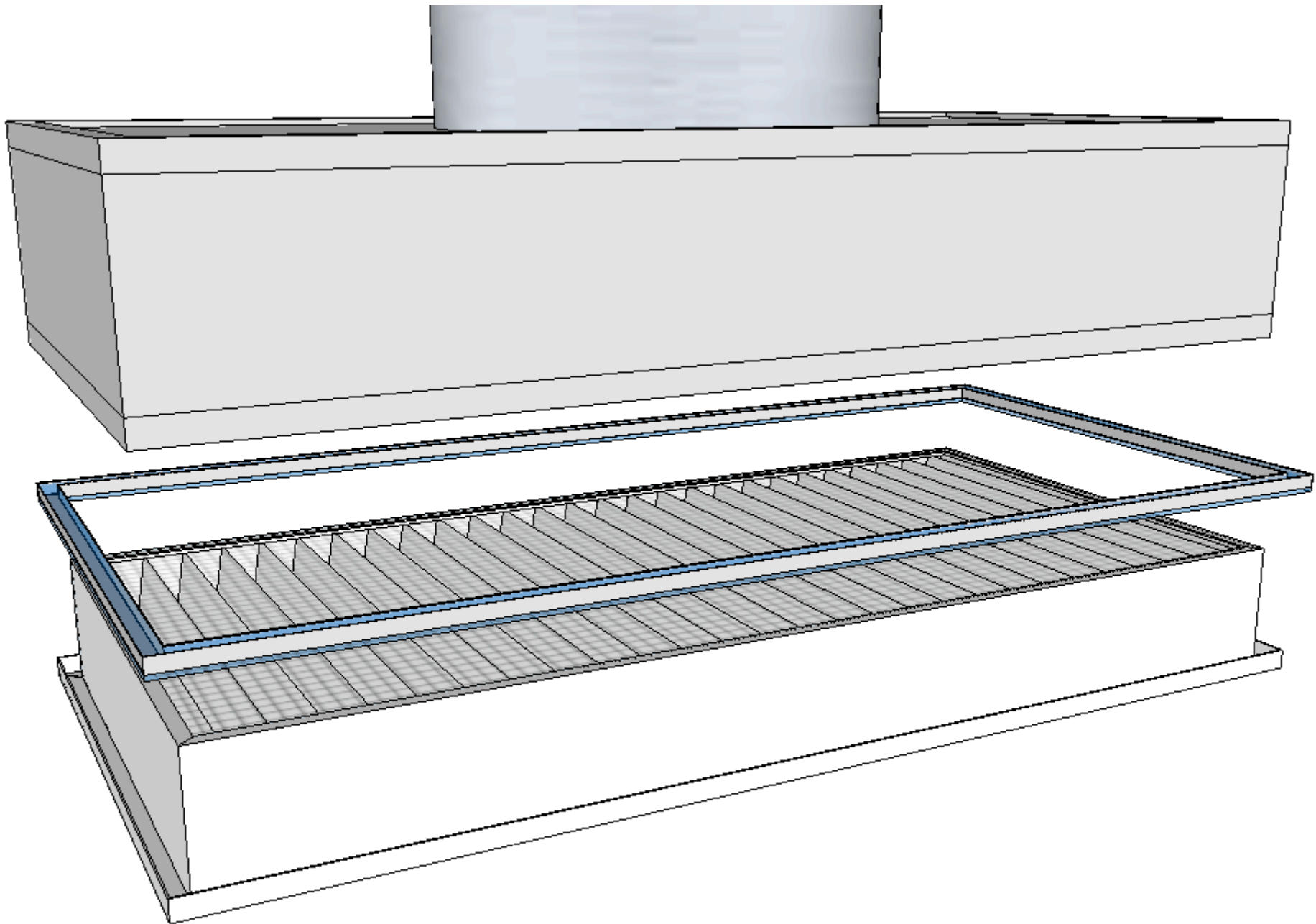


Knife Edge penetration into
replacement Drop-in-Seal-Kit

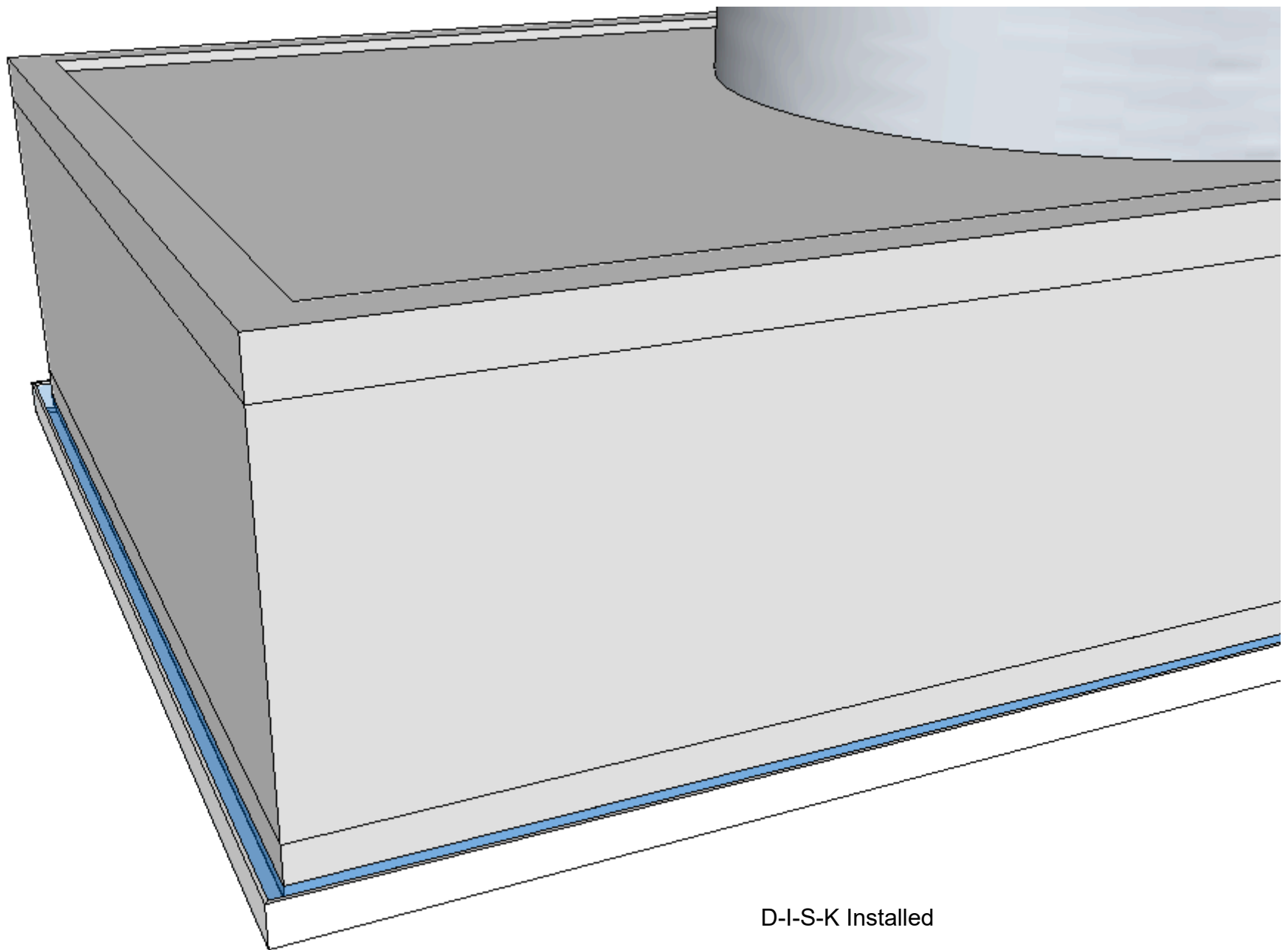


D-I-S-K Layers Exploded View WM Plastics

White Papered Cured Gel Assembly



D-I-S-K Installation Method



D-I-S-K Installed