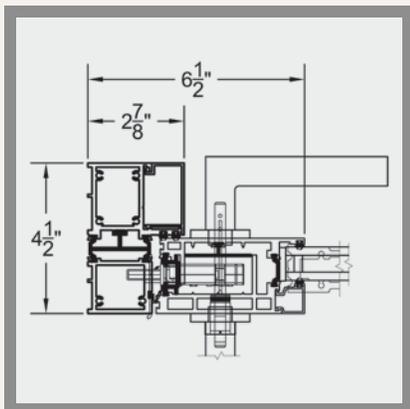




## DESIGN NOTES

- “Thermal Frame” aluminum extrusions.
- Modern architecture butt joint corners.



### Sleeker Sightline:

Take note of the “boxy” theme in all extrusions for the Series 3900-T. Each perimeter frame and vent extrusion was designed with the purposeful intention of creating a hinged door that has the engineering fortitude to accommodate large openings, e.g. 96" x 120", yet retain clean, hard lines with a flush face.



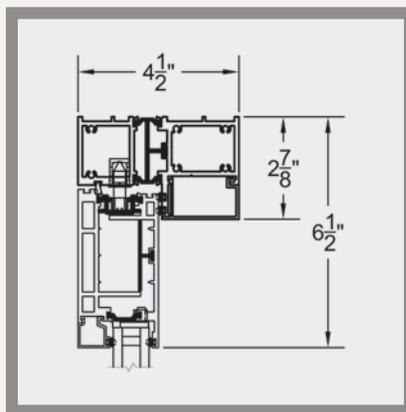
### Corner Strength:

Another design enhancement is butt joinery instead of mitering, because it offers a look more consistent with modern architecture. In order to achieve this feature, we needed an exceptional corner key. From the image above, you can begin to appreciate the strength of each corner as you consider the mass of the key. The wall thickness exceeds 5/16" in most locations and penetrates 4-1/4".



### Outstanding Sizes:

The Series 3900-T was designed to span an opening of up to 80 square feet with only two panels. In addition to the robust extrusions and corner design, the 3-way adjustable hinges make large openings possible.



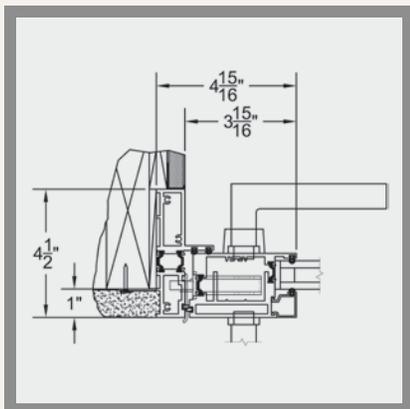
### “Thermal Frame” Technology:

The Series 3900-T thermal barrier is a modern technology called “Strut.” This contemporary process joins two extrusions together with a high resin “strut” instead of pouring and de-bridging a single extrusion. We selected this newer technology because it offers greater extrusion design flexibility without compromising thermal performance.



## DESIGN NOTES

- Narrow 3-15/16" jamb profile (see Slender Lines, below).
- Adjustable hinges.



### Slender Lines:

The Series 3200-T boasts a jamb profile of only 4-15/16". Even better, the jamb was designed for finished walls to bury another 1", leaving a wall-to-glass profile of only 3-15/16" on the handle side and 4-1/16" on the hinge side.



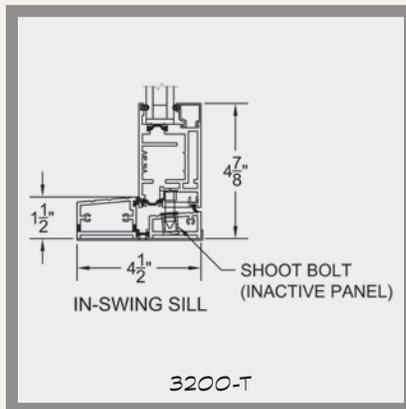
### Minimalist Hardware:

The locking hardware selected for the 3200-T is manufactured in Germany by FSB. The handle plate is a slimmer version of the Series 3900-T plate but uses the same stainless lever so mixing both products is more feasible. The door self latches when closed and is secured with a dead bolt.



### Flush Mounted Adjustable Hinges:

Each vent is provided with four adjustable hinges that are mortised into the extrusions (see the cross section on page 19). The top and bottom hinges provide horizontal movement and the two center hinges allow for vertical adjusting.



### Inswing Water Performance:

A new threshold was created just for the inswing option (also used on the Series 3900-T door). Notice the geometry guides the water into the trough where it can weep to the exterior.