

Finally,

A COST-EFFECTIVE ALTERNATIVE TO STEEL SASH WINDOWS

The enclosed packet of technical information provides detailed information, including dimensions, to help you begin implementing *Zippy* Grid into your next project.

Zippy Grid is made from high quality extruded aluminum. It is shipped in 20 ft lengths to be cut using a miter saw with a metal cutting blade. *Zippy* Grid is adhered directly to glass surfaces, using the high bond glazing tape provided, to match the between glass grid pattern (supplied and installed with glazing by glazier). Work is done in the field by workers with basic finish carpentry skills. More detailed information is available in the Installation Procedure page of this packet.

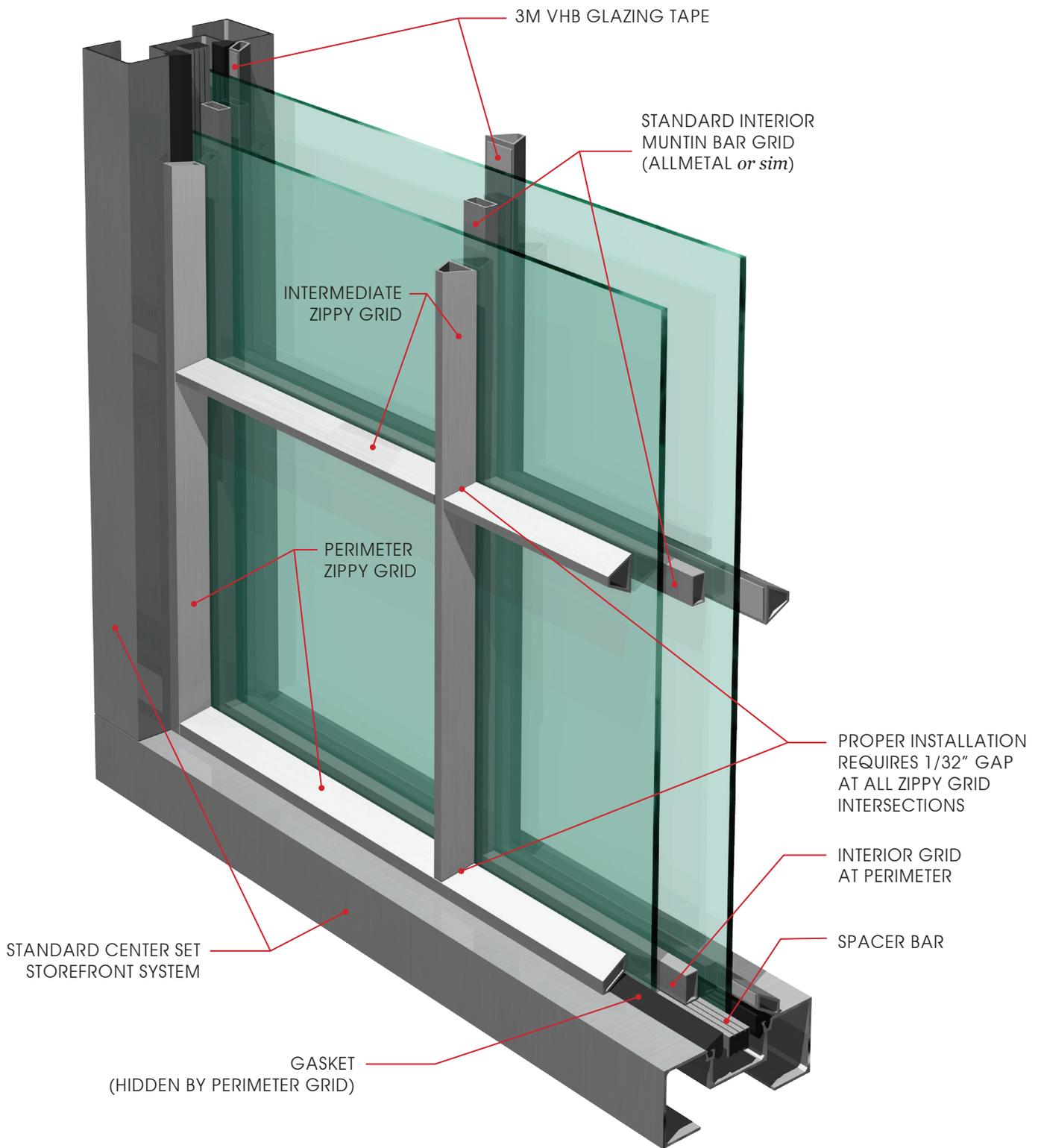
Zippy Grid can be used both for new storefront and for remodeling existing storefront.

A full range of custom colors are available including colors to match all standard storefront systems. Contact us directly for more details.

Be sure to visit our website at **www.zippygrid.com** for more information including photos of *Zippy* grid in completed installations.

ZIPPY GRID™
STOREFRONT GRID SYSTEM

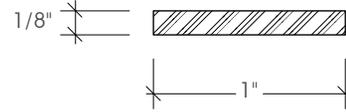
308 West Broadway St. #LL2 • Salt Lake City, Utah 84101
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www.zippygrid.com



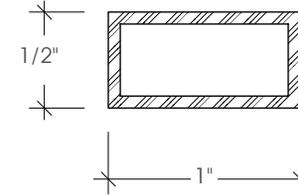
ZIPPY GRID INSTALLATION CUTAWAY VIEW

ZIPPY GRID™
 STOREFRONT GRID SYSTEM

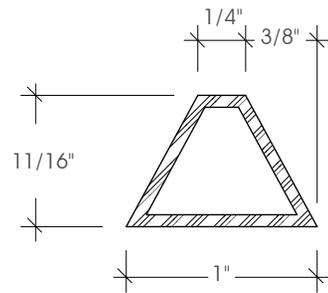
ZIPPY GRID
COMMON PROFILES



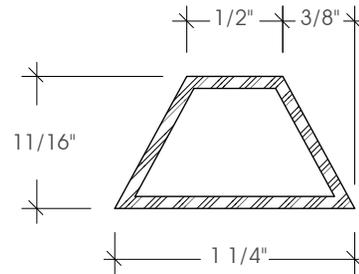
FLAT BAR



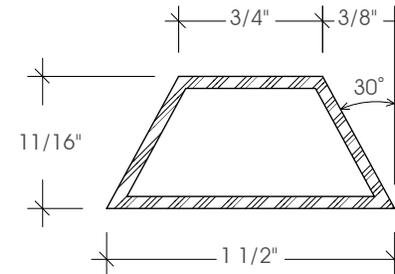
BOXER
(FORMERLY
TRADITIONAL)



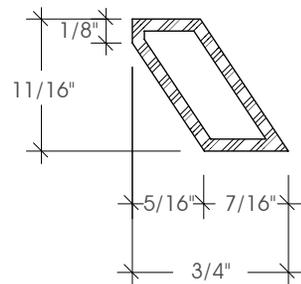
ORIGINAL



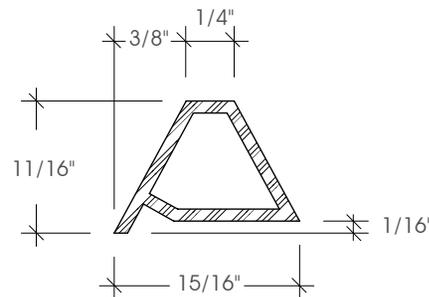
IL PRESIDENTE



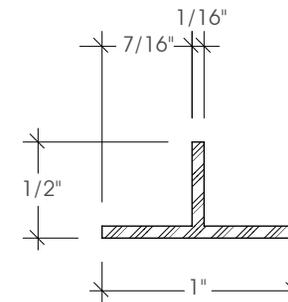
GENERALISIMO



PERIMETER

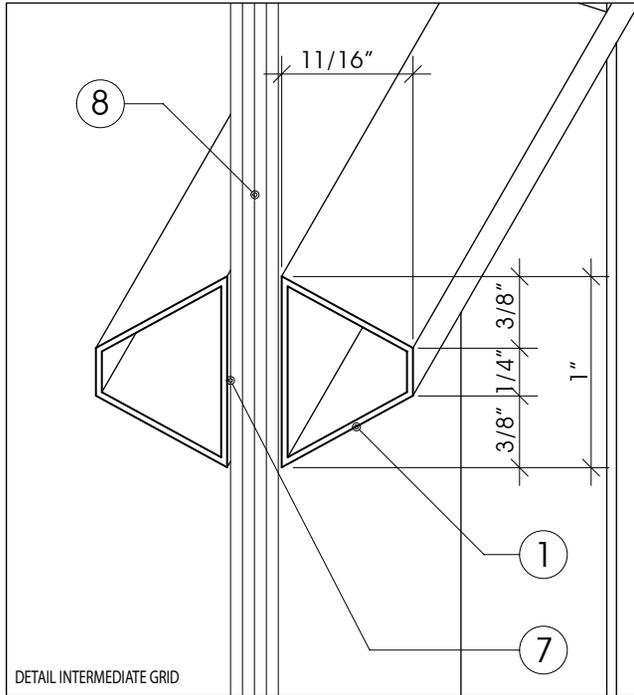


P2 PERIMETER

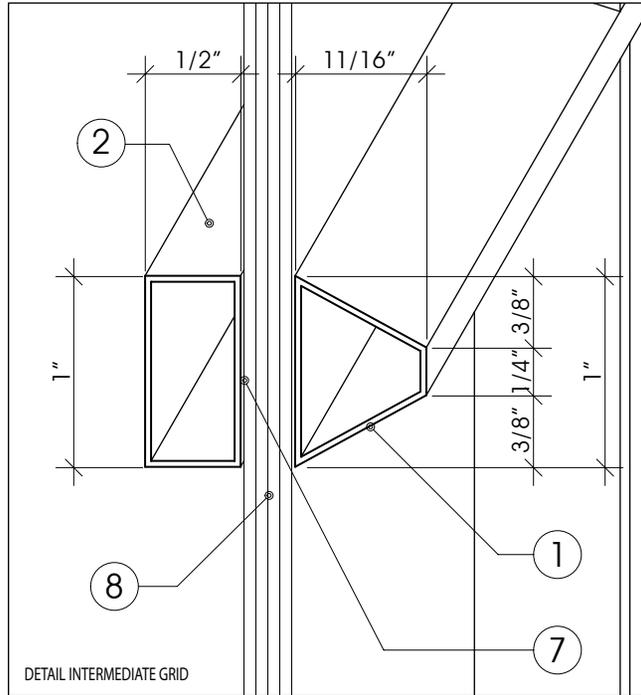


MR. T BAR

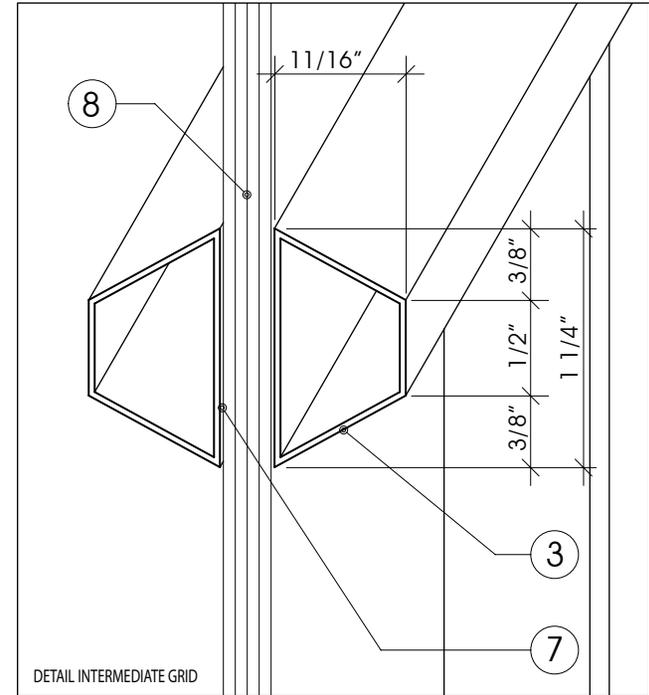
ORIGINAL



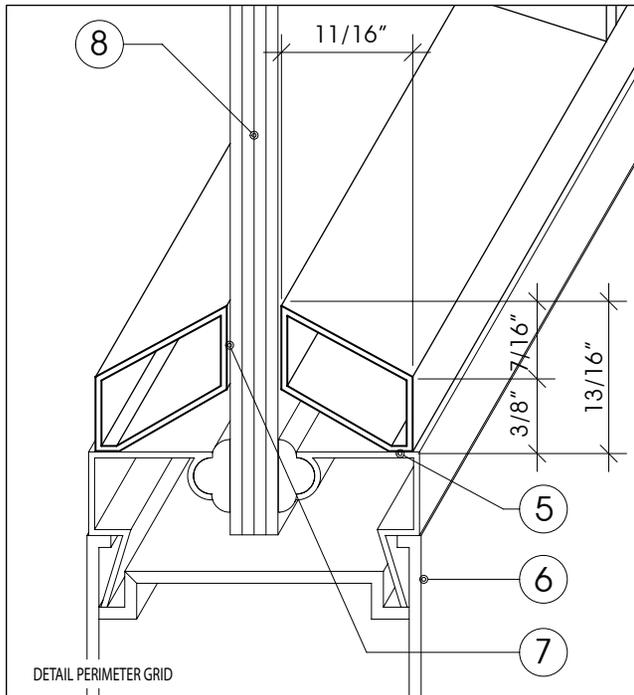
TRADITIONAL / ORIGINAL



IL PRESIDENTE



PERIMETER

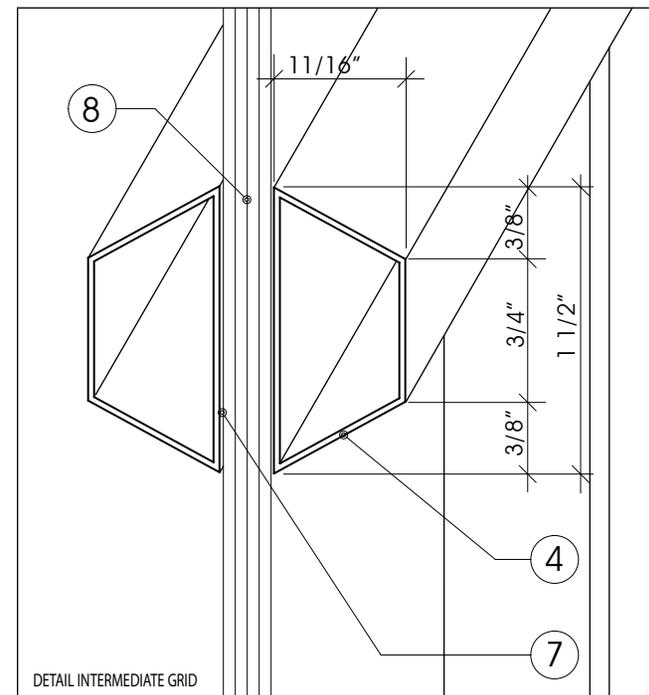


- ① INTERMEDIATE "ORIGINAL" ZIPPY GRID
- ② INTERMEDIATE "TRADITIONAL" ZIPPY GRID
- ③ INTERMEDIATE "IL PRESIDENTE" ZIPPY GRID
- ④ INTERMEDIATE "GENERALISIMO" ZIPPY GRID
- ⑤ PERIMETER ZIPPY GRID
- ⑥ 1 3/4" ALUMINUM DOOR
- ⑦ GLAZING TAPE
- ⑧ GLASS

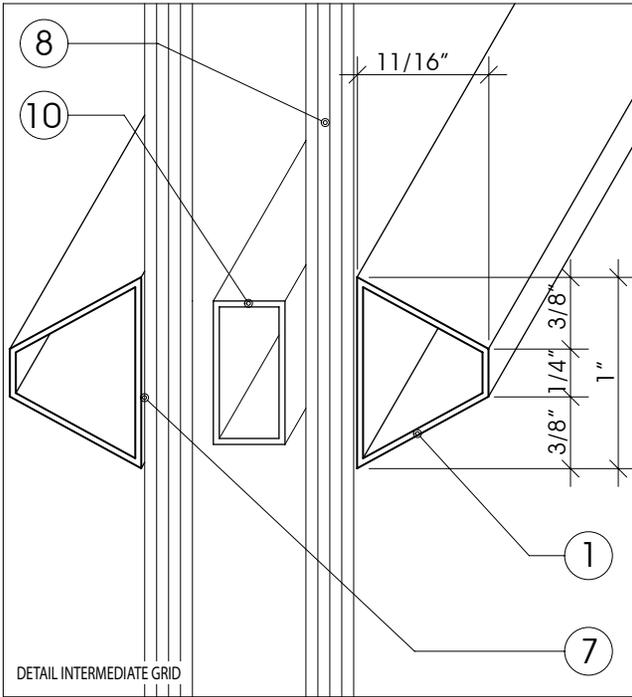
ZIPPY GRID

SHOWN INSTALLED WITH STOCK
ALUMINUM 1 3/4" DOOR
[FULL SCALE]

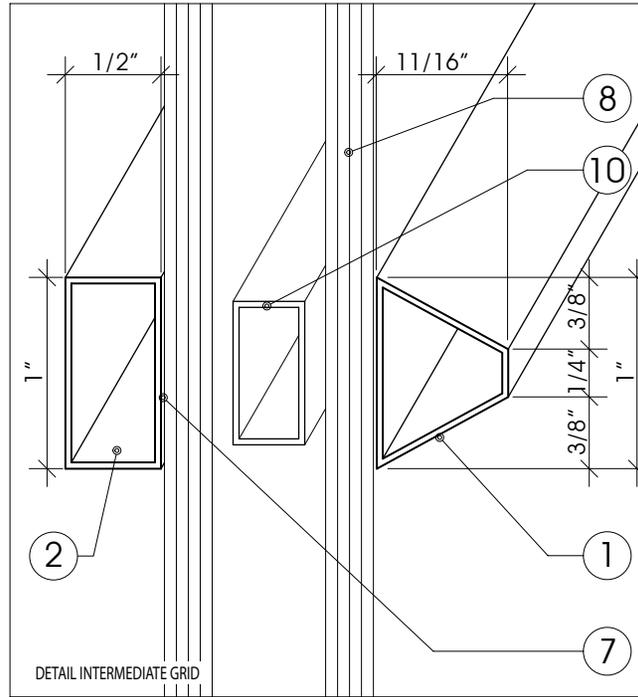
GENERALISIMO



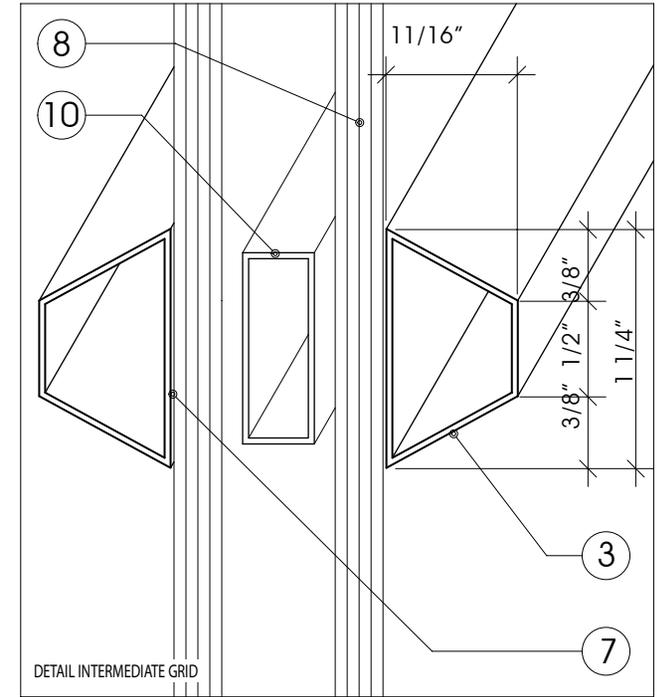
ORIGINAL



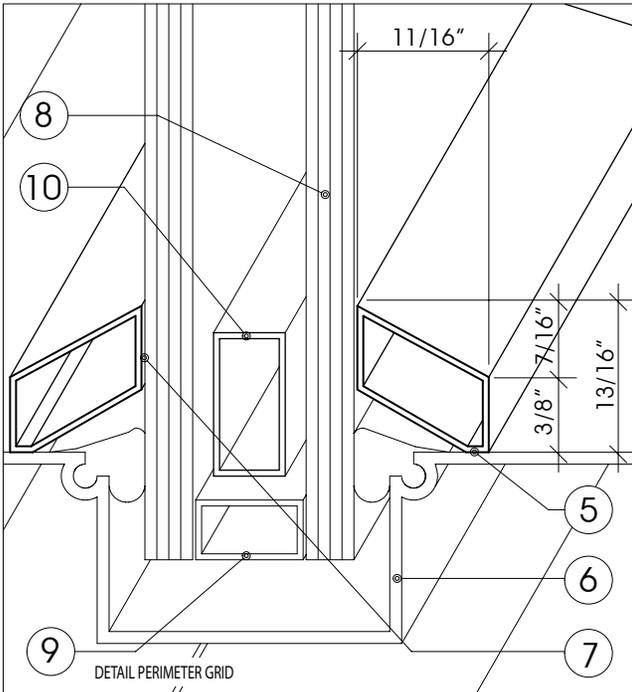
TRADITIONAL / ORIGINAL



IL PRESIDENTE

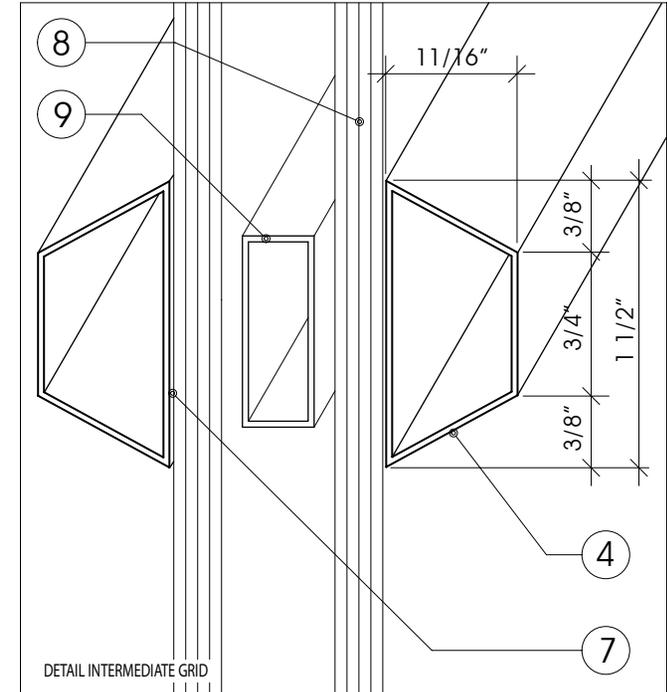


PERIMETER



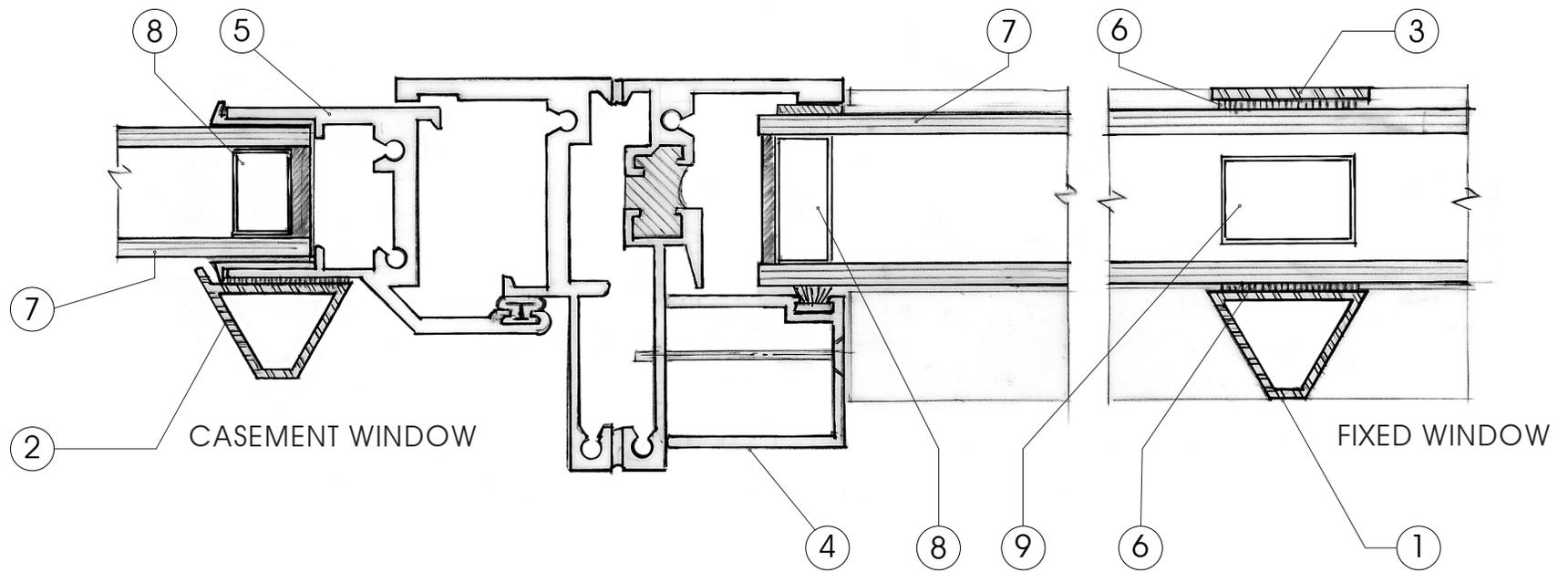
- ① INTERMEDIATE "ORIGINAL" ZIPPY GRID
- ② INTERMEDIATE "TRADITIONAL" ZIPPY GRID
- ③ INTERMEDIATE "IL PRESIDENTE" ZIPPY GRID
- ④ INTERMEDIATE "GENERALISIMO" ZIPPY GRID
- ⑤ PERIMETER ZIPPY GRID
- ⑥ STANDARD 2 x 4 STOREFRONT
- ⑦ GLAZING TAPE
- ⑧ GLASS
- ⑨ DESICANT STRIP BY GLAZIER
- ⑩ 3/8" x 3/4", 1" INNER GRID BY GLAZIER (GLAZIER TO MATCH COLOR OF STOREFRONT)

GENERALISIMO



ZIPPY GRID

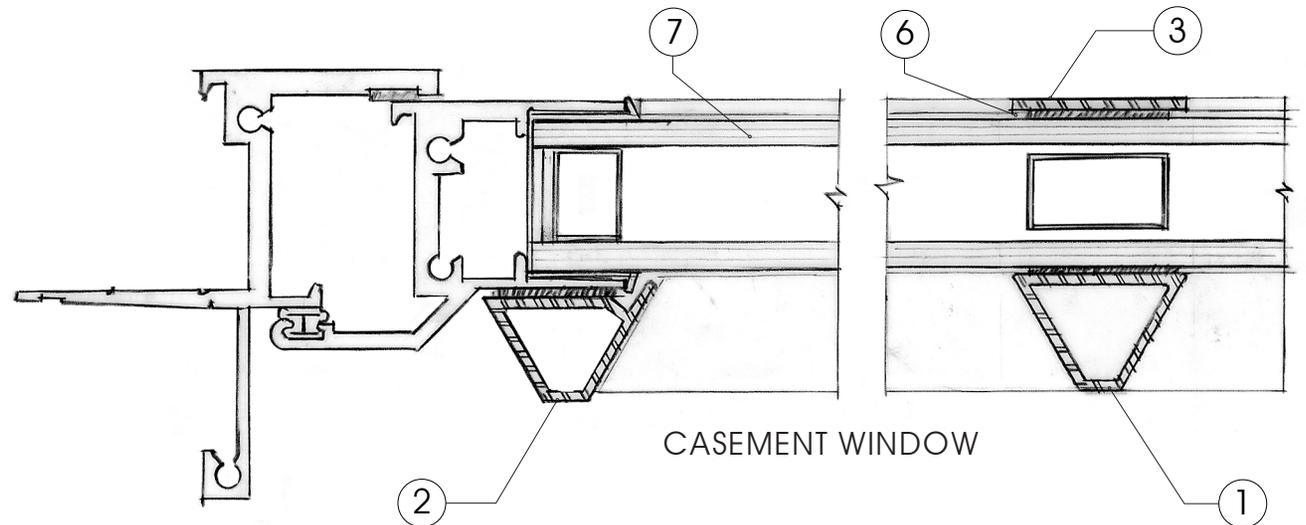
SHOWN INSTALLED WITH STOCK
ALUMINUM STOREFRONT
[FULL SCALE]



- ① INTERMEDIATE "ORIGINAL" ZIPPY GRID
- ② PERIMETER "P-2" ZIPPY GRID
- ③ INTERMEDIATE "FLAT BAR" GRID
- ④ MILGARD STOCK WINDOW FRAME
- ⑤ MILGARD CASEMENT WINDOW SASH
- ⑥ GLAZING TAPE
- ⑦ GLASS
- ⑧ DESICANT STRIP BY GLAZIER
- ⑨ 3/8" x 3/4" INNER GRID BY GLAZIER (GLAZIER TO MATCH COLOR OF STOREFRONT)

ZIPPY GRID

SHOWN INSTALLED WITH STOCK ALUMINUM CASEMENT WINDOW [FULL SCALE]



INSTALLATION PROCEDURE

•PREP WINDOW SURFACE

The 4 ounces of Silane Adhesion Promoter provided makes approximately 5 gallons of solution. Use a 0.5% level of Silane diluted in a 50:50 isopropyl alcohol-water cleaning solution is sufficient. This can be achieved by adding 25 drops of Silane to 4 ounces of the isopropyl alcohol and then add 4 oz. water and shake vigorously. Allow the solution to activate for 8 hours before applying to the glass surface. If hot water is used, the solution should be usable in 30 minutes. Once activated, it is best to use the solution within one week. Use a spray bottle to apply solution to glass surface. Wipe the surface dry and make sure there is no film or residue visible.

•APPLY GRID

The Perimeter and Intermediate Grid is shipped in 20-foot lengths. The Perimeter Grid is installed before the Intermediate Grid. Using a miter saw with a blade for cutting non-ferrous metal, cut the Perimeter Grid to the desired length. **It is critical that the Grids are not installed too tight.** Allow a tolerance of at least 1/32" for the differential expansion and contraction of the materials.

Clean the grid where the Tape will be placed. Apply the tape to the Perimeter Grid using the supplied 1/2" 3M VHB Tape. Dog-ear the backing of the tape on one end of the Grid. Apply the Grid to the glass where desired. Once in place, pull the backing of the tape off while holding the Grid in place. Using a roller, apply pressure to entire length of grid. To achieve a good bond, tape must experience approximately 15 psi of pressure. The Grid may require 2 or 3 times that much pressure to make the tape experience 15 psi.

After installing the Perimeter Grid, install the Intermediate Grid. Placement is dependent on whether you are matching an existing interior grid pattern or establishing your own grid pattern. Cut and apply Intermediate Grid using the same process as Perimeter Grid.

If you have any questions, feel free to contact us.



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