

H450 Series 3 1/4" Frame Depth Casement

H450 Series Casement (Project-Out)

Features

- ◇ **Material**
 - Extruded Aluminum
- ◇ Commercial Framing System
 - 3 1/4" main frame
 - Historically-correct bevel frame exterior
 - Steel Replica appearance
 - Minimum of 0.080" wall thickness
 - Dual Euro Groove System
 - Available with or without integral nailing fin
- ◇ Thermally Enhanced Design
 - Thermally-broken main frame and vent rails
 - Azon pour and debridge thermal break technology
- ◇ Glazing
 - 1" insulating glass
- ◇ Hardware
 - Maxim LP Locking System, Chic Hinge and Roto Hardware on crankout model
 - Maxim LP Locking System, 4-Bar Hinge and Cam Turn Hardware on push-out model
- ◇ Screen
 - Easily removable FlexScreen

Benefits

- ◇ Historically accurate profiles to help your project meet Historic Preservation codes
- ◇ The capacity to match exterior colors for unique project facades
- ◇ The ability to facilitate large sizes for taller and wider window openings

Performance

- ◇ Structural & Thermal (test reports or thermal simulations available upon request)

Model	Casement (Project-Out)
Test Size:	36" x 60"
NAFS Rating	Up to CW-90
Air Infiltration (cfm/ft ²)	<0.30
Water (No Penetration) P.S.F.	Up to 15
U-Value (ranges based on multiple Low-E/Argon combinations)	0.39–0.59
SHGC (ranges based on multiple Low-E/Argon combinations)	0.12–0.58
CR (ranges based on multiple Low-E/Argon combinations)	32–48

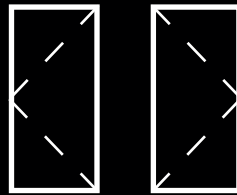
Due to periodic re-certification requirements, result shown may vary.

Options

- ◇ Available Configurations
 - Project-out casement
 - Push out or Roto (Left or Right)
 - Continuous frame capabilities
 - Fixed
- ◇ Muntin Choices
 - Internal or simulated divided lites available
- ◇ Hardware
 - Limit Travel Accessories
- ◇ Screen
 - Wicket Screen (Push-out model only)
- ◇ Glazing
 - Multiple Low-E and argon glazing choices
 - Capillary tubes
 - Wide variety of glazing, tinting and thickness options
- ◇ Panning & Trim Choices
 - Wide variety of panning, receptor and trim available
- ◇ Mulling
 - Wide variety of structural mulls

Our products are tested to the standards of and certified by some of the foremost organizations in the fenestration industry.



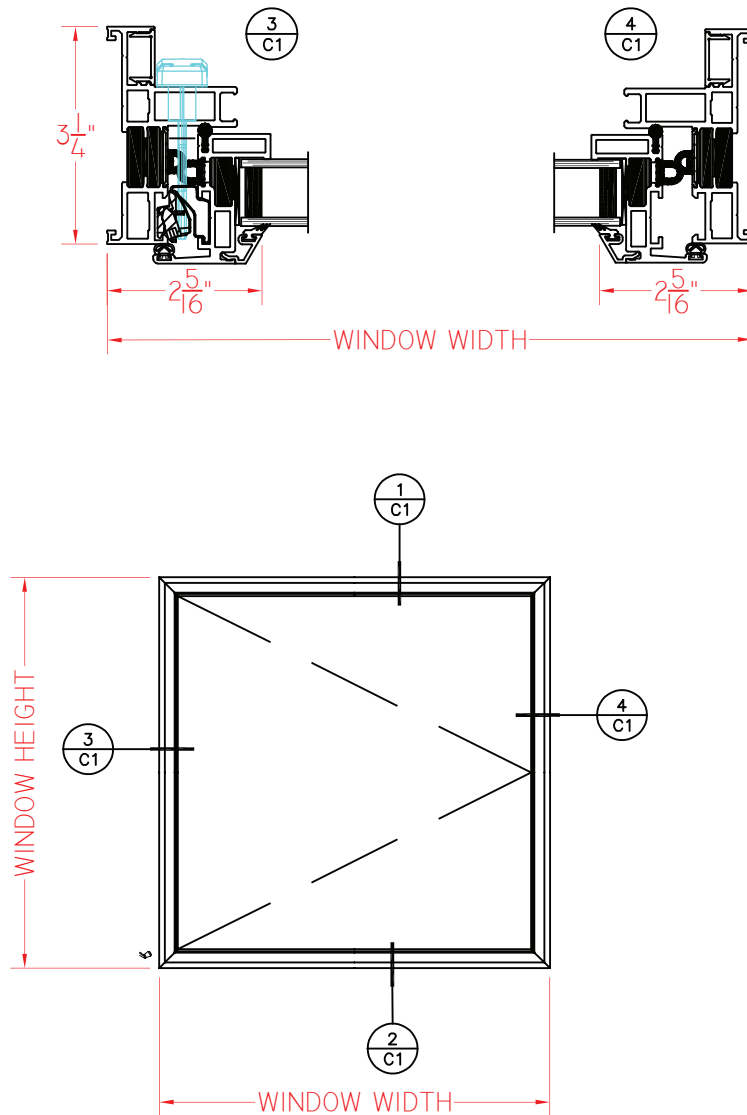


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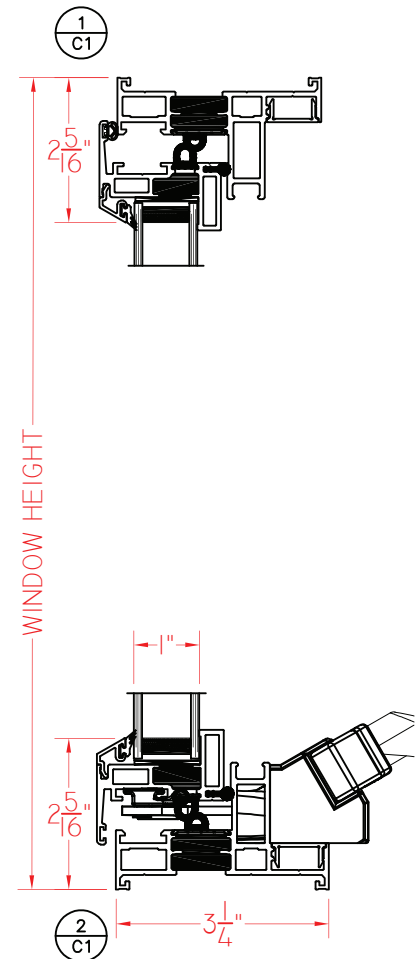
H450 Series Casement (Project-Out)

With Roto Hardware
and Without Nailing Fin

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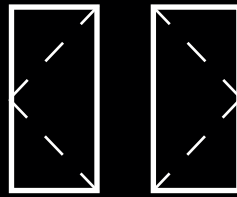
ELEVATION SCALE 3/4" = 1'-0"



SHEET C1
SCALE 1:2

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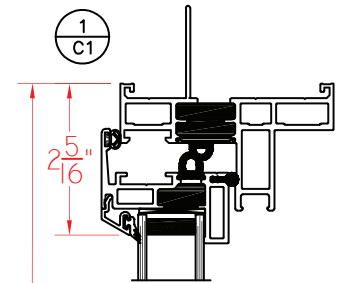
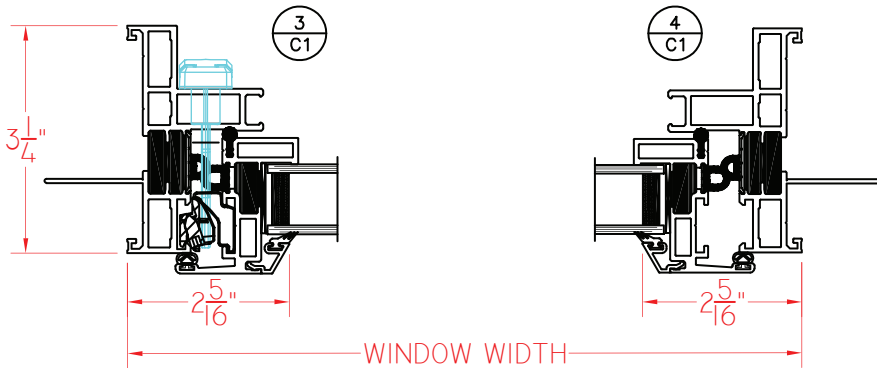


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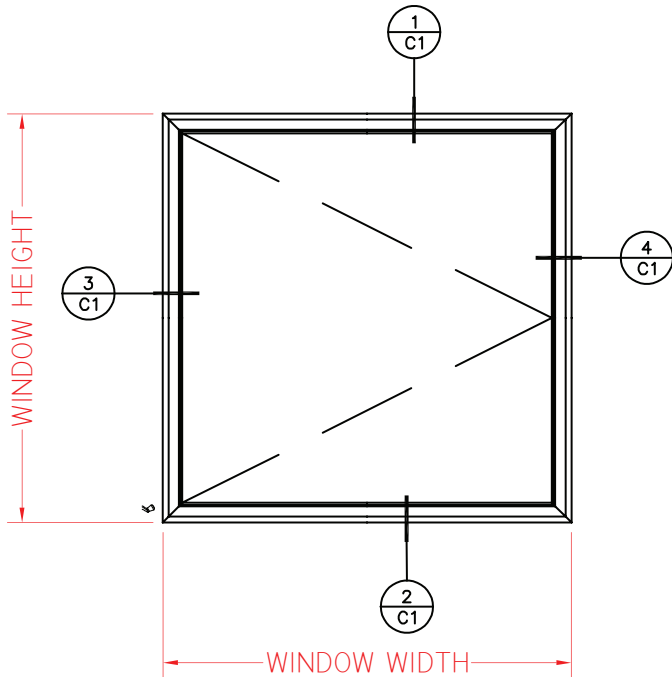
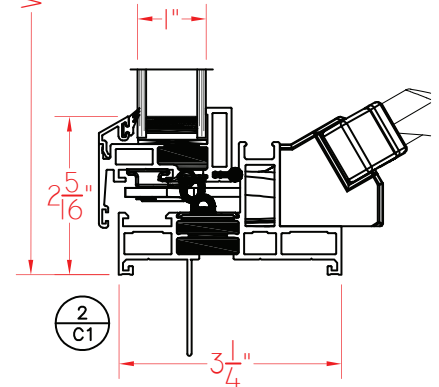
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WINDOW HEIGHT

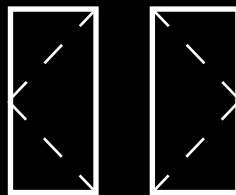


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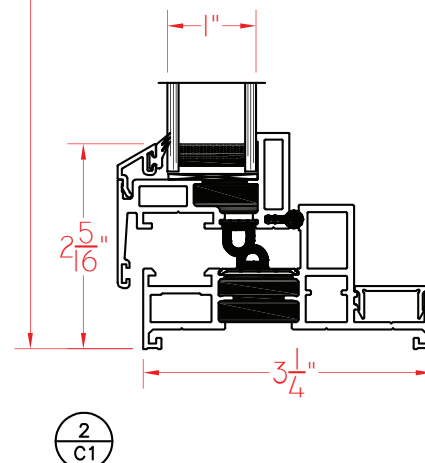
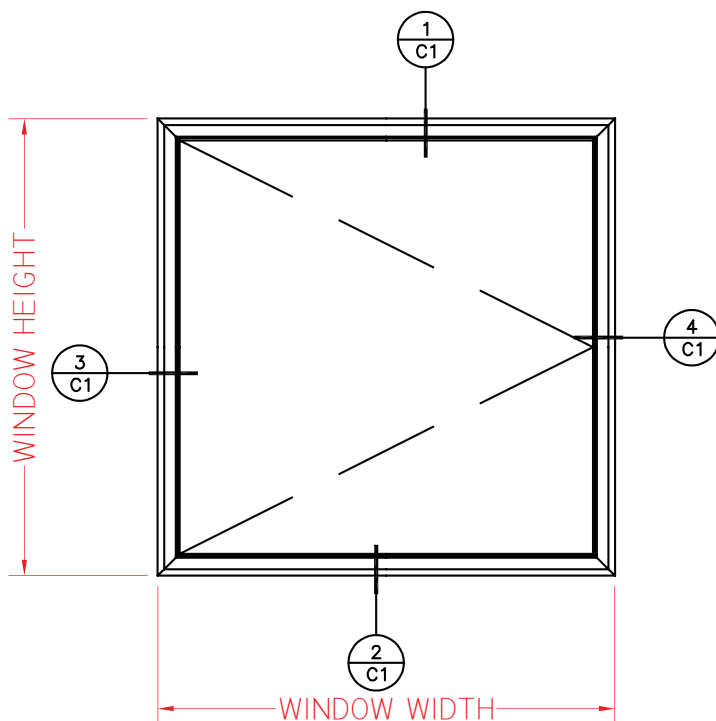
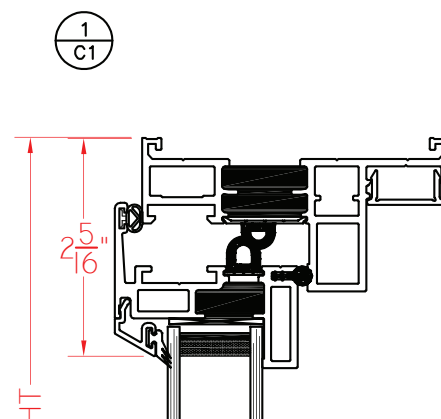
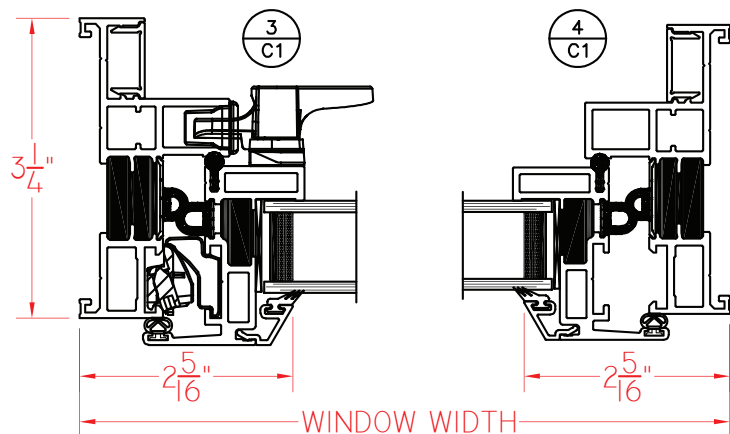


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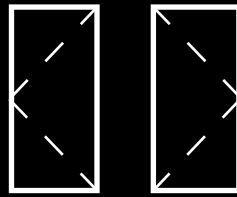


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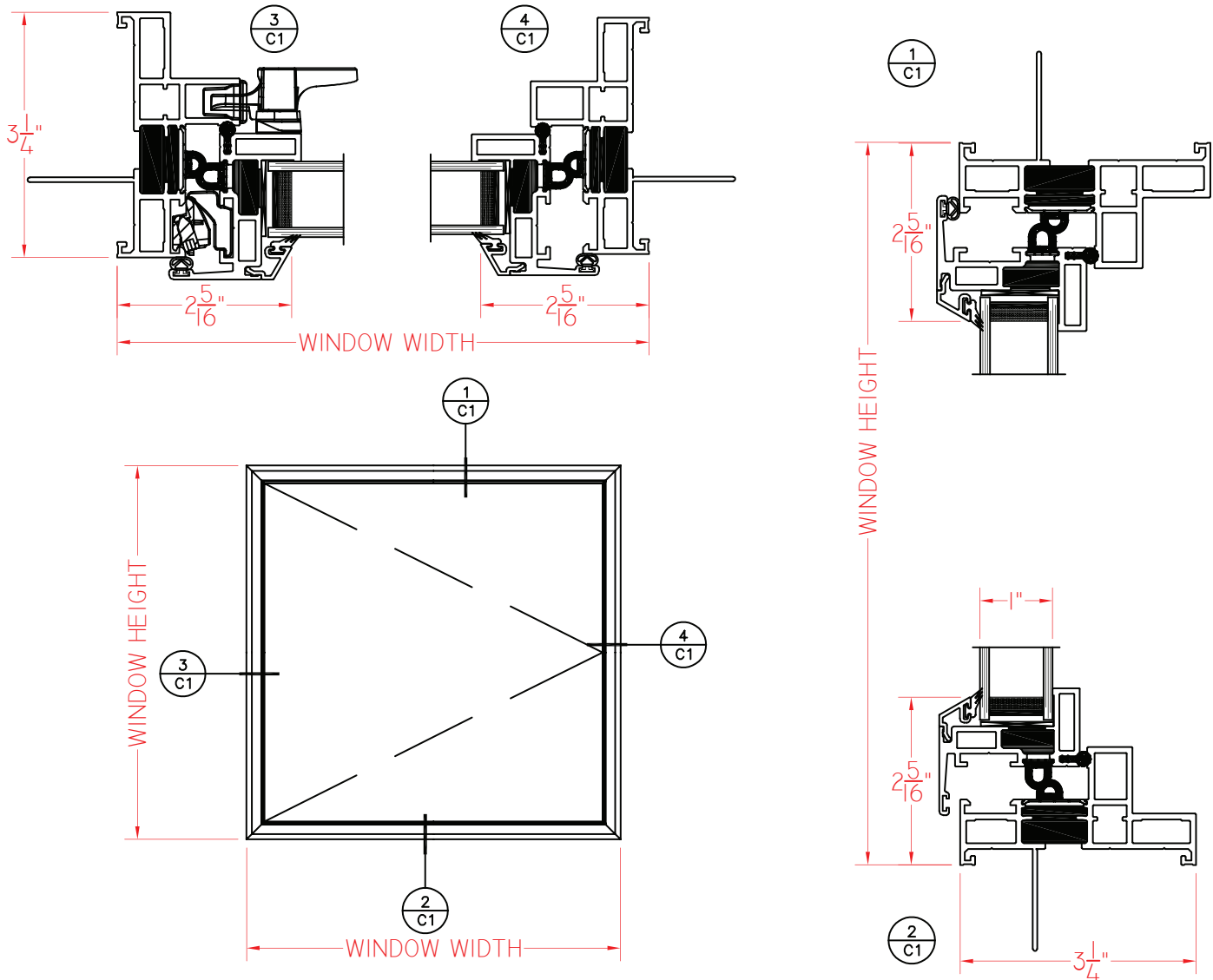


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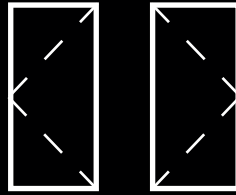


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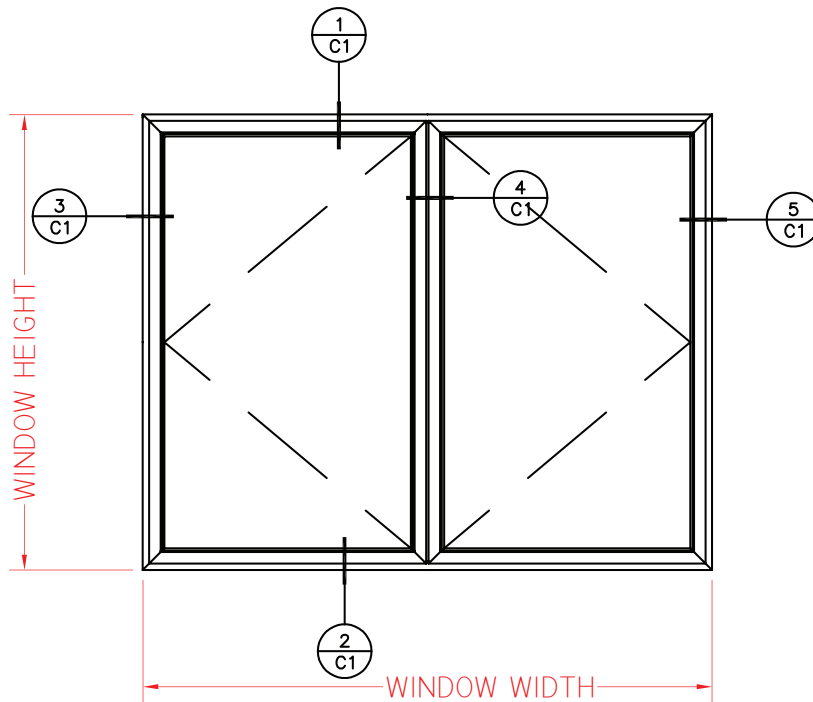
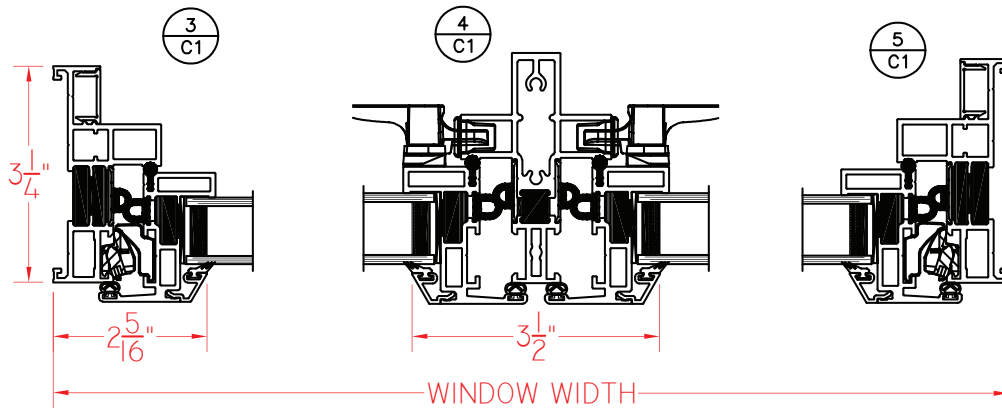


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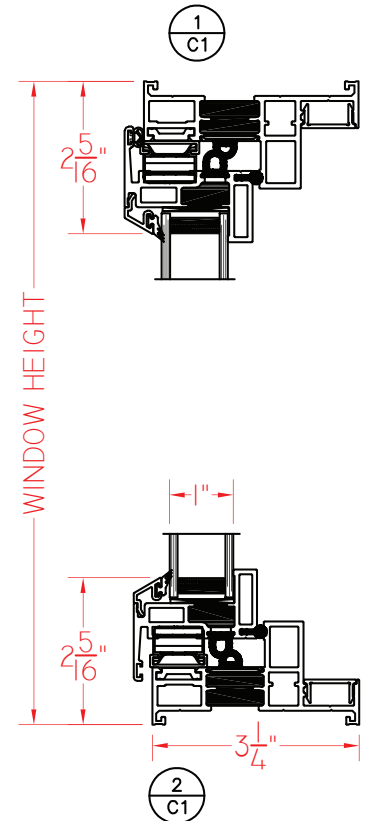
H450 Series Casement/Casement (Project-Out)

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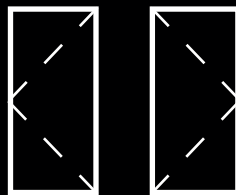
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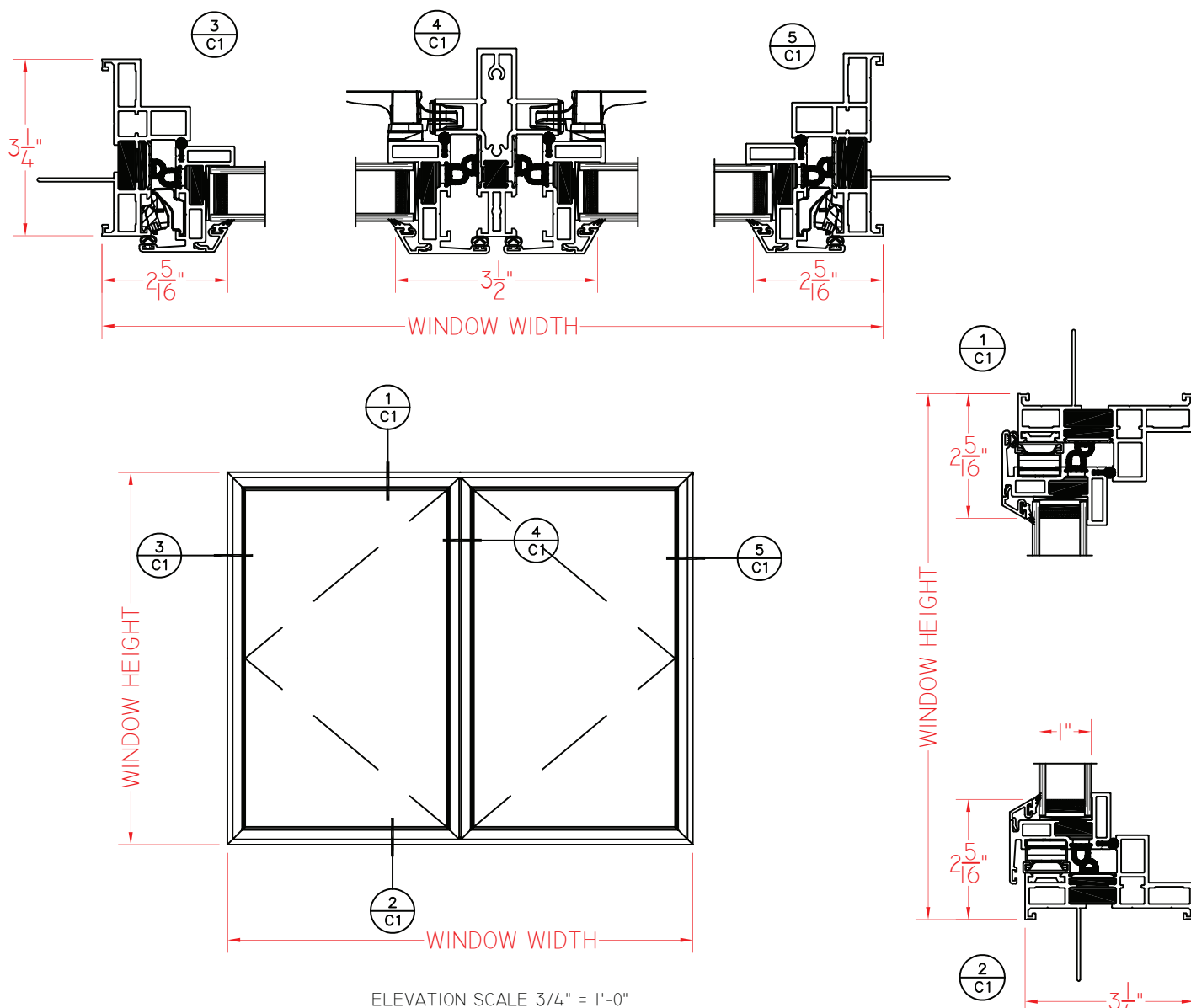


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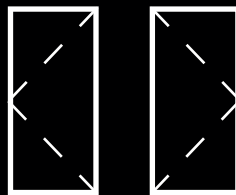
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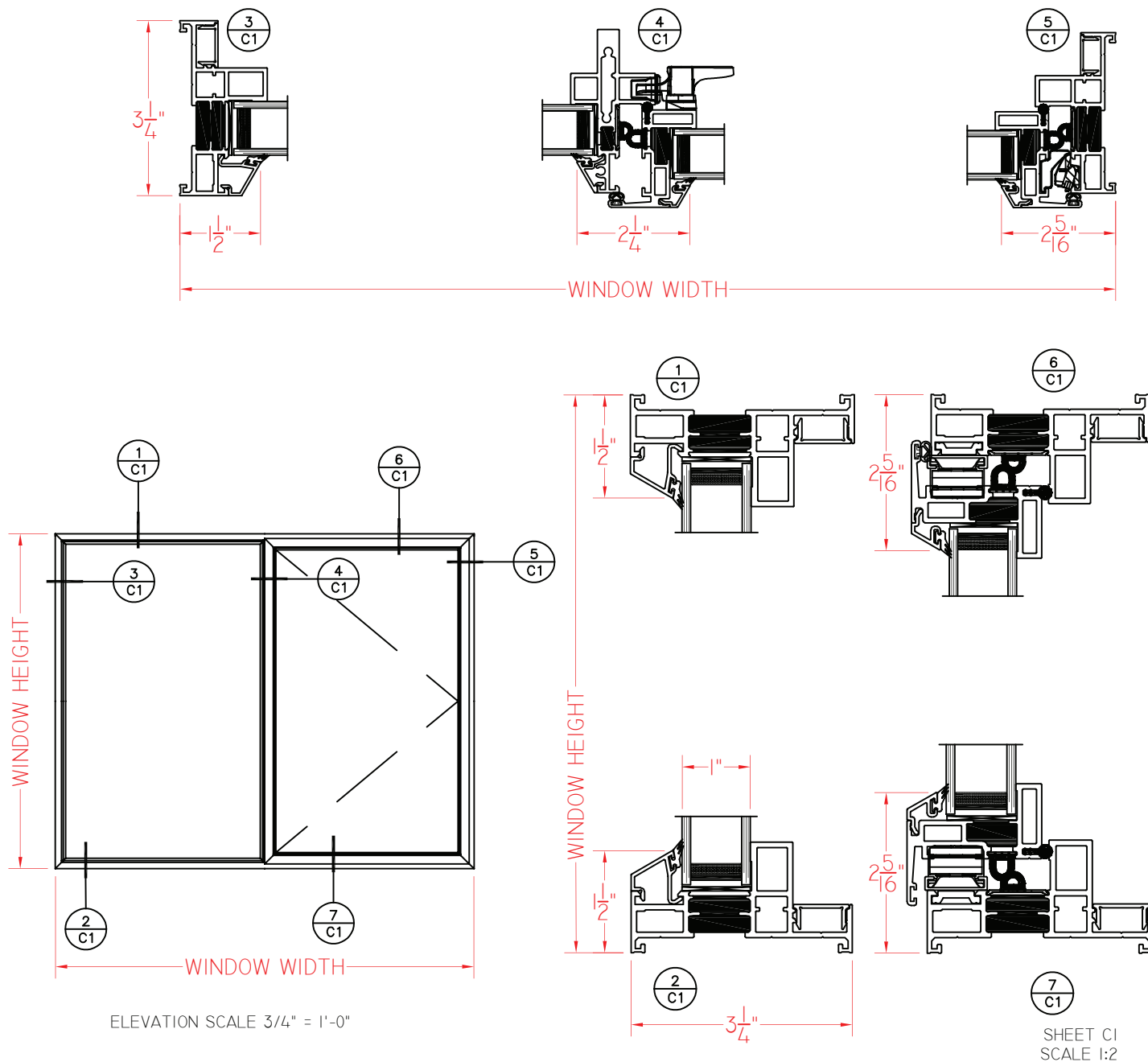


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H450 Series Casement (Project-Out)/Fixed

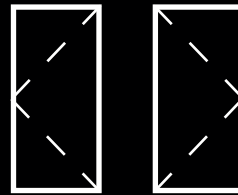
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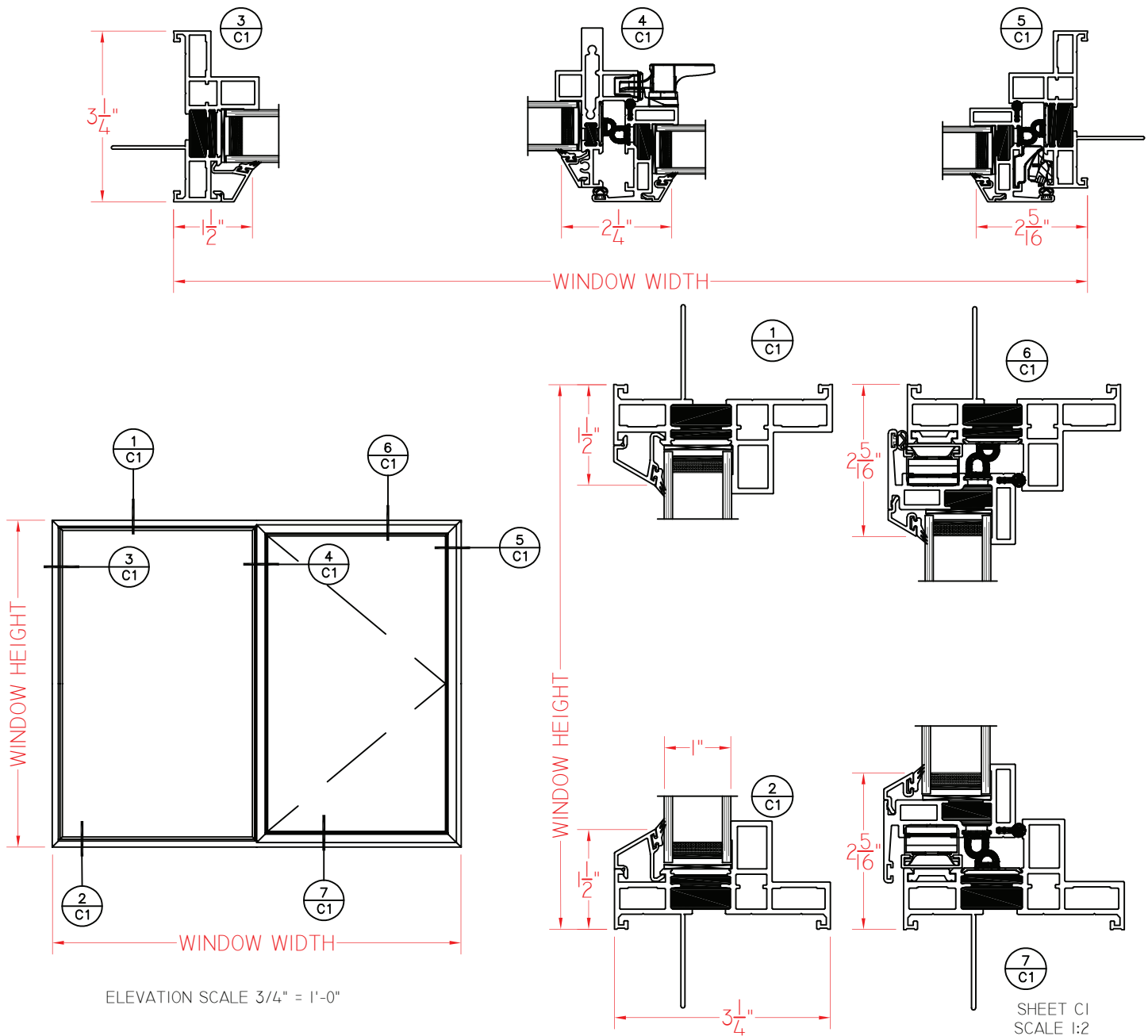


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