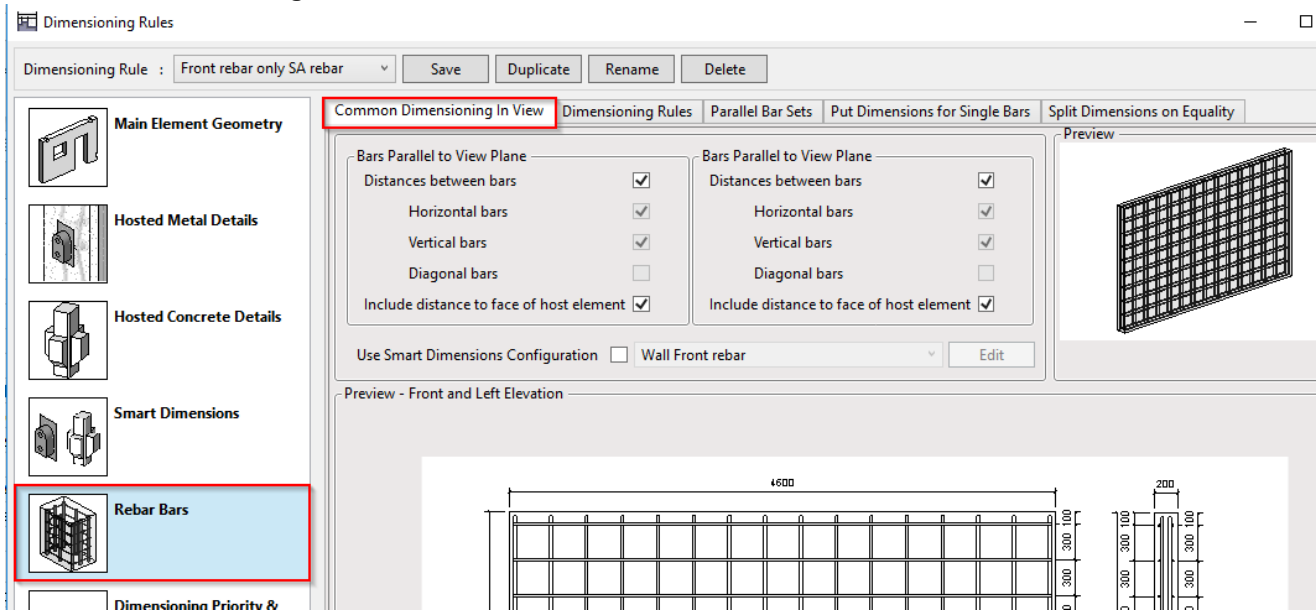


Dimensioning Rules - Rebar Bars

Modified on: Fri, 30 Apr, 2021 at 2:36 PM

To dimension and tag rebar in the view, consider using Smart Dimensions. [Read more about it here.](https://helpdesk.agacad.com/support/solutions/articles/44002190638-smart-dimensions-structural-rebar) (<https://helpdesk.agacad.com/support/solutions/articles/44002190638-smart-dimensions-structural-rebar>).

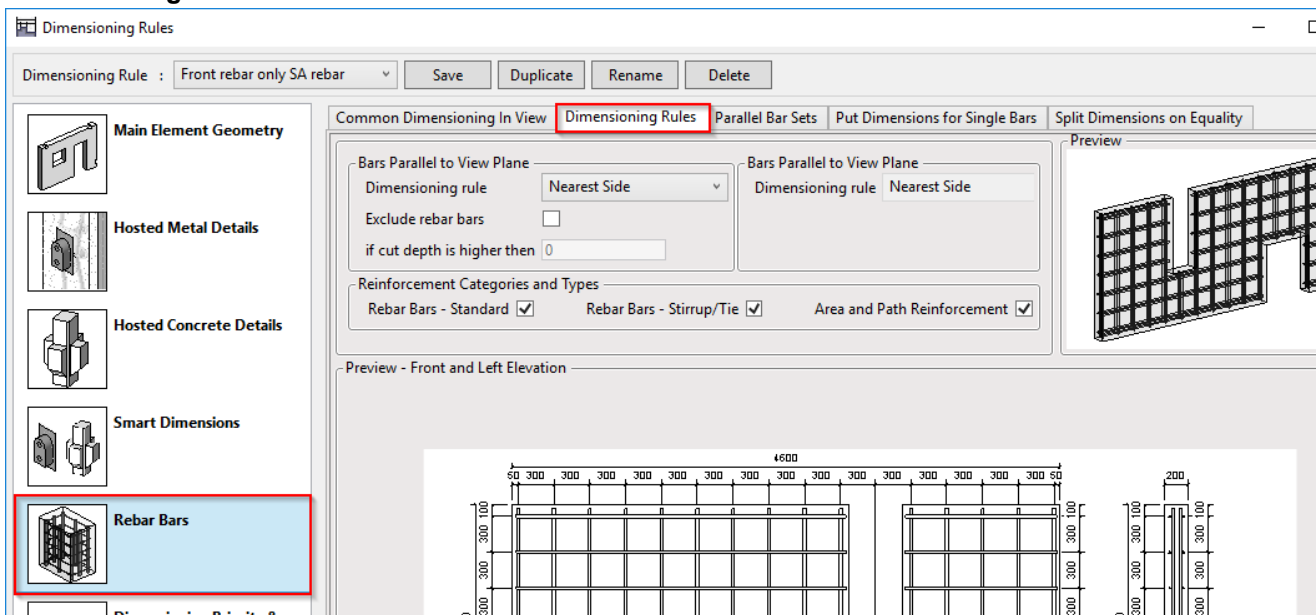
Common Dimensioning in View



Bars Parallel or Perpendicular to View Plane – choose to show or hide dimensions between bars and to include/exclude distance to host face.

Use Smart Dimensions Configuration - use Smart Dimensions Configuration, instead of settings in Rebar Bars.

Dimensioning Rules



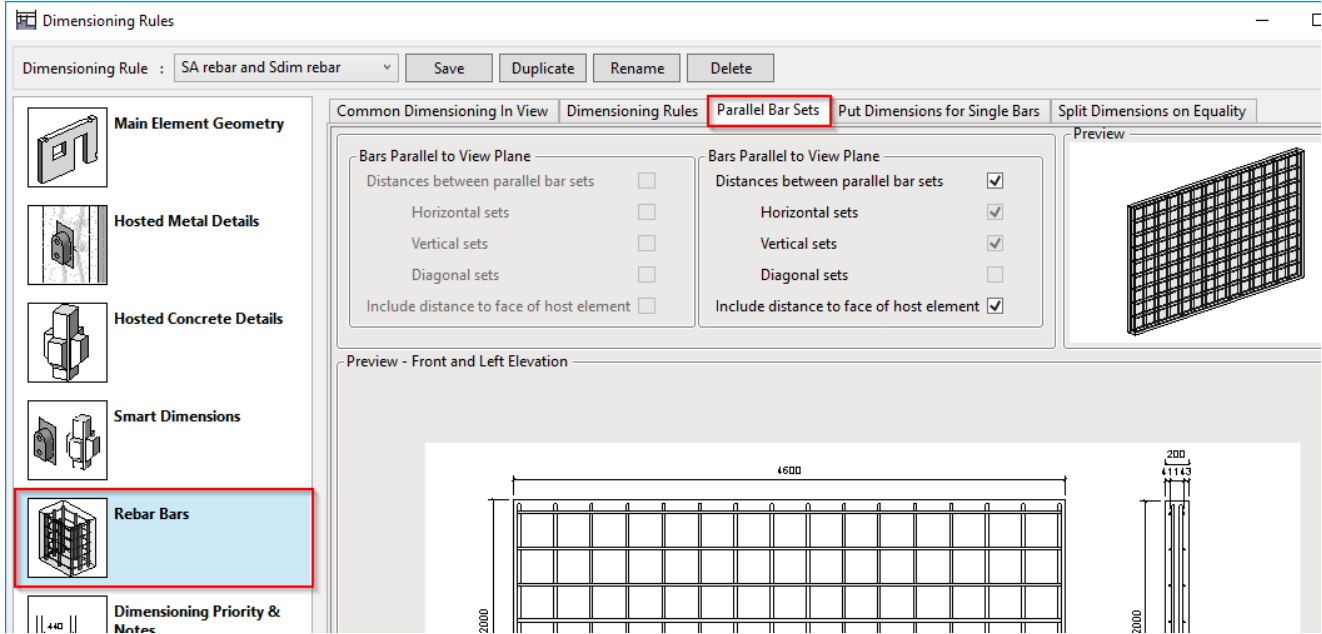
Dimensioning rule – choose where dimensions should be placed in view – Nearest Side, Top-left or Bottom-right.

Exclude rebar bars – controls whether rebar bars are dimensioned or not.
if cut depth is higher than - enter value to filter out bars for exclusion.

Reinforcement Categories and Types

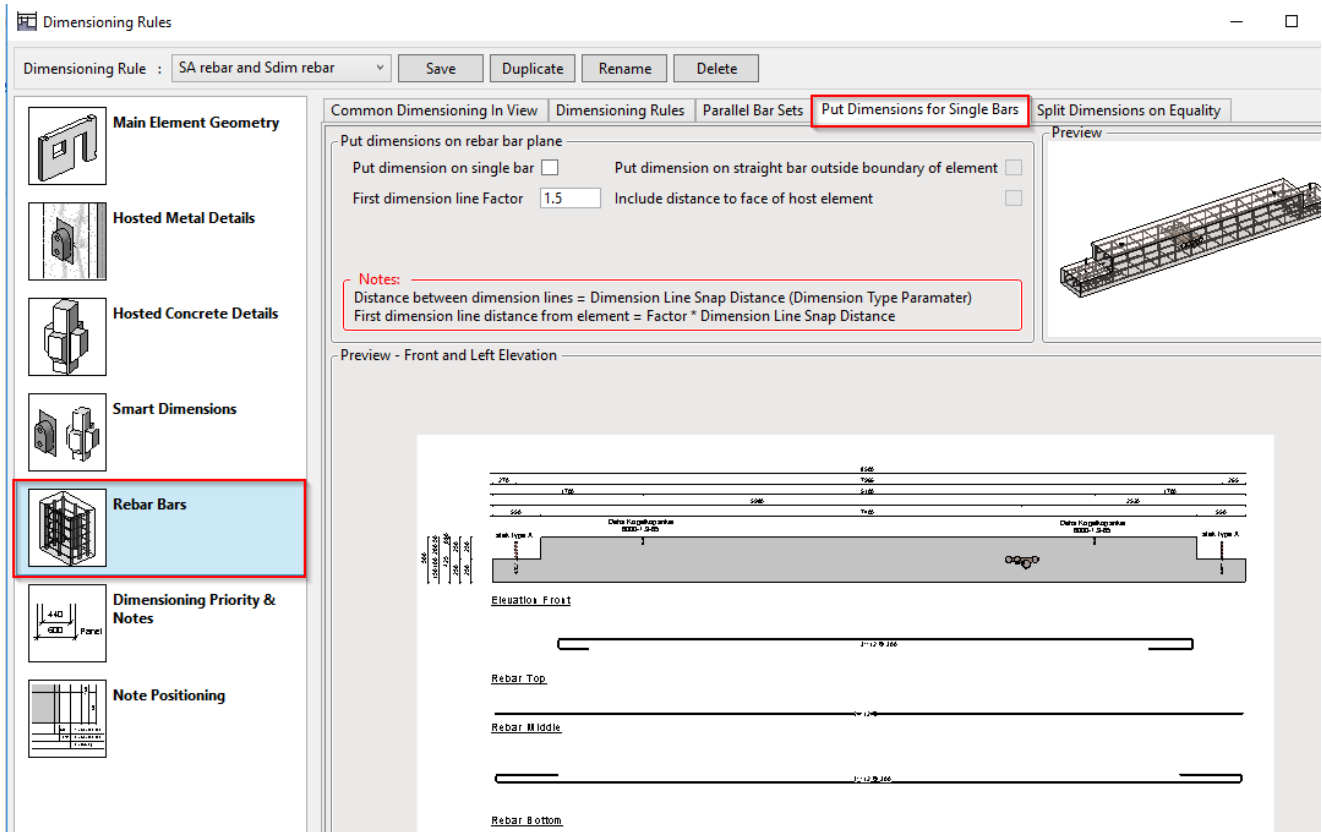
Switch ON/OFF to show types of reinforcement that should be dimensioned in view.

Parallel bar sets



Select whether or not to show dimensions between parallel bar sets and if to show distance to host face.

Put dimensions for single bars



Put dimensions on single bar – tick ON to put dimension on center of all visible single bars in the view
Put dimension on straight bar outside boundary of element – tick ON to place dimensions for single bar outside of the host as for other elements.

Include distance to face of host element - tick on to give distance from single bar ends to host edge

First dimension line Factor – enter factor to control gap between element and first dimension line. (See notes below.)

Split dimensions on equality

The screenshot shows the 'Dimensioning Rules' dialog box with the 'Split Dimensions on Equality' tab selected. The 'Dimensioning Rule' is set to 'SA rebar and Sdim rebar'. The 'Split dimension on equal segments' checkbox is checked, and the 'Minimum number of equal segments to begin splitting' is set to 3. The 'Preview' section shows a 3D view of a rebar grid and a 2D front and left elevation view. The 2D view shows a grid of rebar bars with dimensions: a total length of 4600, a spacing of 100 between bars, and a total width of 300. The left elevation view shows a spacing of 200 between bars and a total width of 300.

Split dimensions on equal segments – switch ON/OFF to join/separate equal dimensions in one line with expression of $\text{times} \times \text{distance} = \text{total distance}$

Minimum number of equal segments to begin splitting – minimum number of same distances to join equal dimensions in one expression