

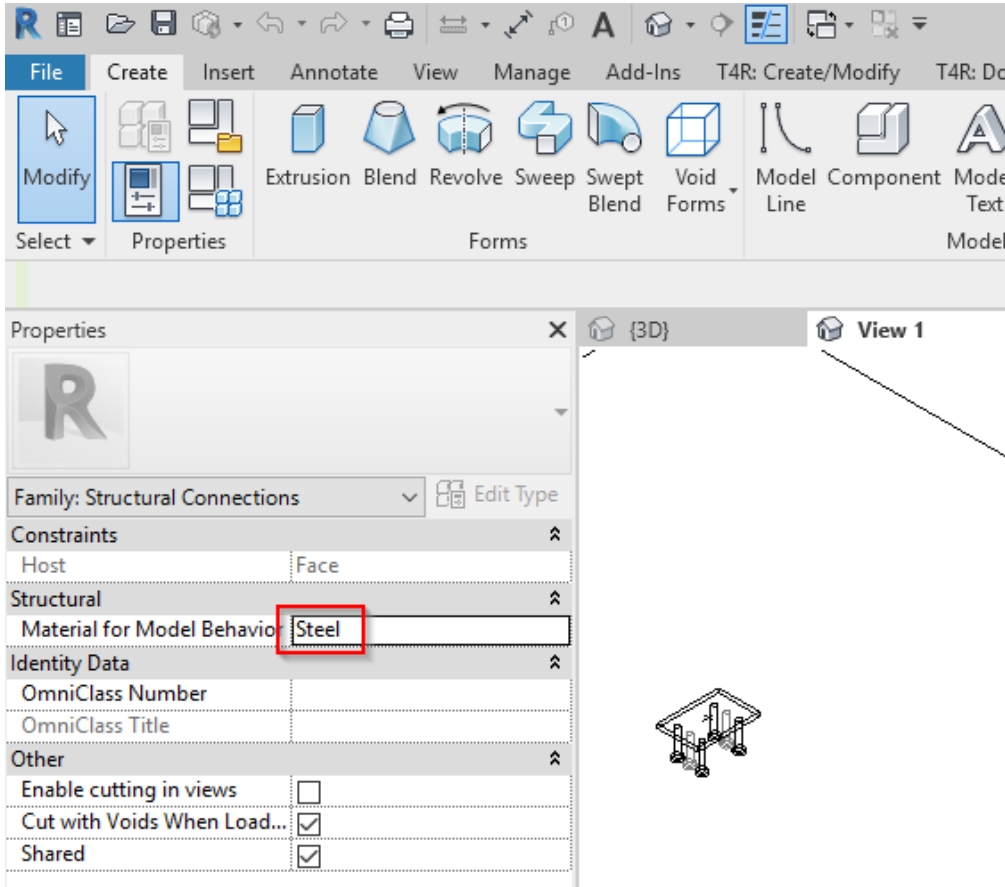
Dimensioning Rules - Hosted Metal Details

Modified on: Fri, 30 Apr, 2021 at 2:40 PM

To dimension Structural Connections and other elements, consider using Smart Dimensions instead of these settings. [Read more about Smart Dimensions here.](https://helpdesk.agacad.com/support/solutions/articles/44001944919-dimensioning-rules-hosted-metal-details)

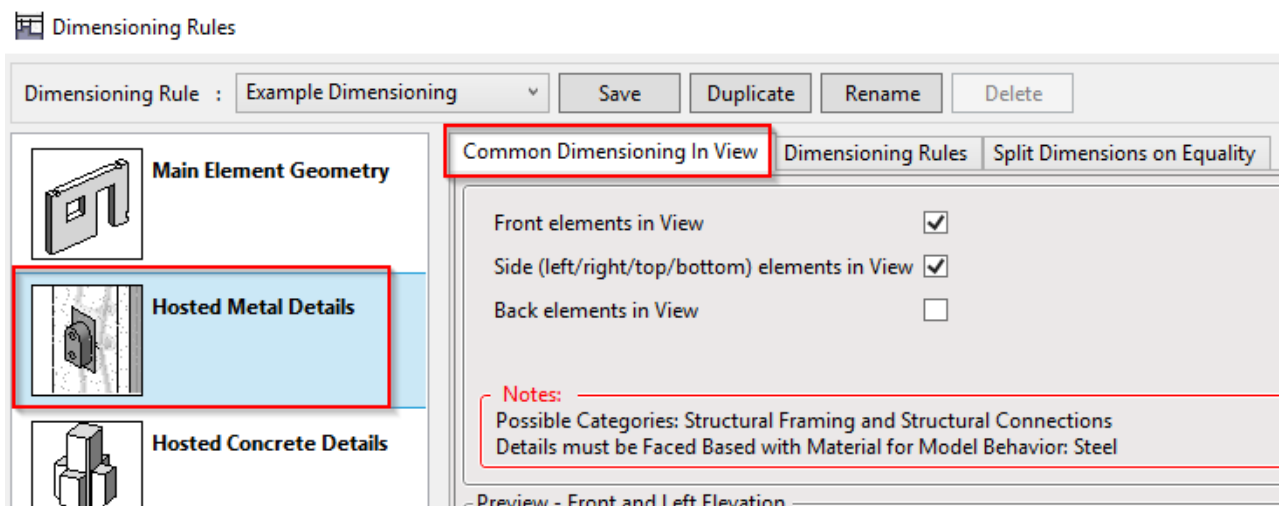
[.https://helpdesk.agacad.com/support/solutions/folders/44001221562\).](https://helpdesk.agacad.com/support/solutions/folders/44001221562)

These dimensioning rules will work on point-based families if Family parameter Material for Model Behavior is set to Steel:



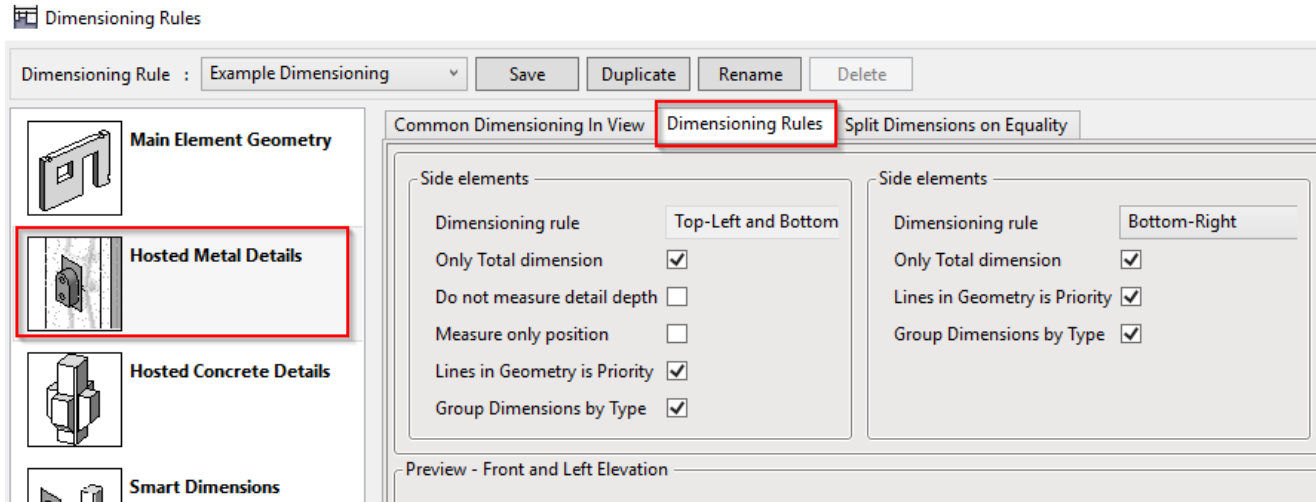
Common Dimensioning in View

Tick checkboxes to indicate which elements should be dimensioned in View - Front, Side, or Back.



Dimensioning Rules

Select how to dimension Hosted Metal Details



Side elements

Only Total dimension - tick ON to measure only total dimensions of Metal detail's solid body

Do not measure detail depth - tick ON to not dimension the part of an element which is inside the Host element

Measure only position - tick ON to measure to location point only

Lines in Geometry is Priority - tick ON so that dimension lines will snap to Model lines inside the Family if they exist, ignoring geometry of the hosted detail

Group Dimensions by Type - tick ON to separate dimensions according to hosted element Type

Front elements

Only Total dimension - tick ON to measure only total dimensions of Metal detail's solid body

Lines in Geometry is Priority - tick ON so that dimension lines will snap to Model lines inside the Family if they exist, ignoring geometry of the hosted detail

Group Dimensions by Type - tick ON to separate dimensions according to hosted element Type

Split Dimensions on Equality - group dimensions and use Equality formula if same distance is repeated several times.

