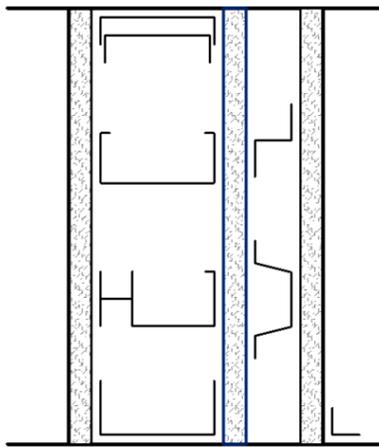


**OVERVIEW**

The goal of this library is to replace many of the “out of the box” detail components. The big problem with many of the defaults is that the precise dimensions and line weight does not provide the readability we need to allow us to communicate the design intent. For example, the default metal stud component is drawn to the exact dimensions, and when it overlaps other elements, such as drywall, the lineweights of the drywall make the stud imperceptible. Our detail components provide the lineweight control and symbolic geometry you need to clearly communicate your intent.

**METAL FRAMING & GWB**



**Metal Framing includes:**

- Metal Studs
- Metal Channel
- Expansion \ Deflection Head
- CH Stud
- Z Channel
- Hat Channel
- Angle

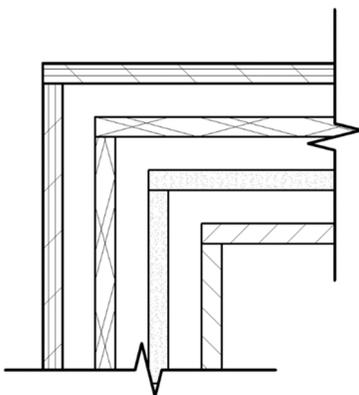
**Gypsum Wall Board Includes:**

- Standard 1/2" & 5/8"
- Moisture Resistant
- Impact Resistant
- Lead Lined

**Parameters include:**

- Width, Depth, Thickness & Graphical Offset Dimension
- Toggle between standard and Heavy Line Weight
- Gypsum Sheathing includes option **display one edge with a heavy line** when it is the exposed face.

**WOOD SHEATHING**



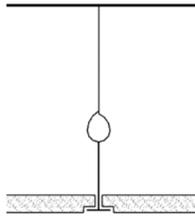
**Includes:**

- Plywood
- OSB
- Particle Board
- Hardwood\Millwork

**Key Features**

- Types for various thickness
- Adjustable lengths (instance)
- Orientation of hatch follows sheathing!!!

**ACOUSTIC CEILING TILE COMPONENTS**



Includes:

- Tile with Square, Tegular and Shiplap Edges
- Various Length, Widths and Thickness
- Wire Hanger and L-shaped Edge Trim

**INSULATION**



Rigid Insulation

Includes:

- Rigid Insulation – Adjustable Length & Thickness
- Tapered Insulation
- Sealant and Backer Rods



Tapered Insulation



Expanding Foam Sealant

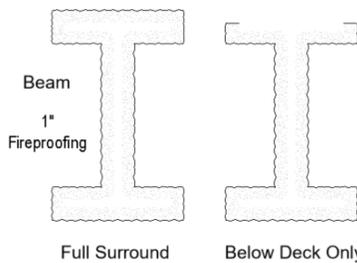


Backer Rod



Sealant 1/2"

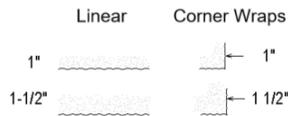
**FIRE PROOFING**



Beam  
1"  
Fireproofing

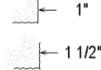
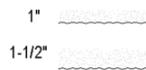
Full Surround

Below Deck Only



Linear

Corner Wraps



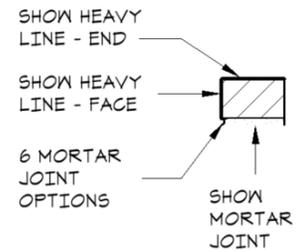
Includes:

- Beam – Full surround or Below Floor\Deck
- Linear – Adjustable Length and Thickness
- Corner Wraps

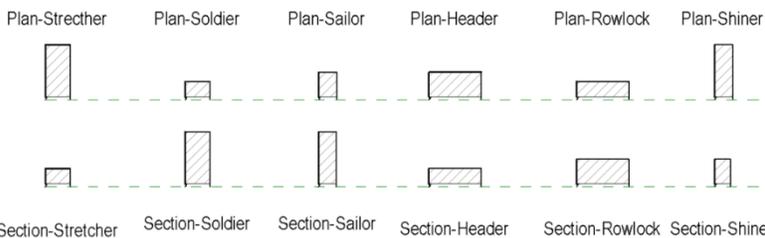
**BRICK DETAILS**

Includes:

- 6 Brick Orientations in Plan and Section
- 6 Mortar Joint options or hide
- Options for Heavy Lines on Face and End



DC-Brick-Plan-Section

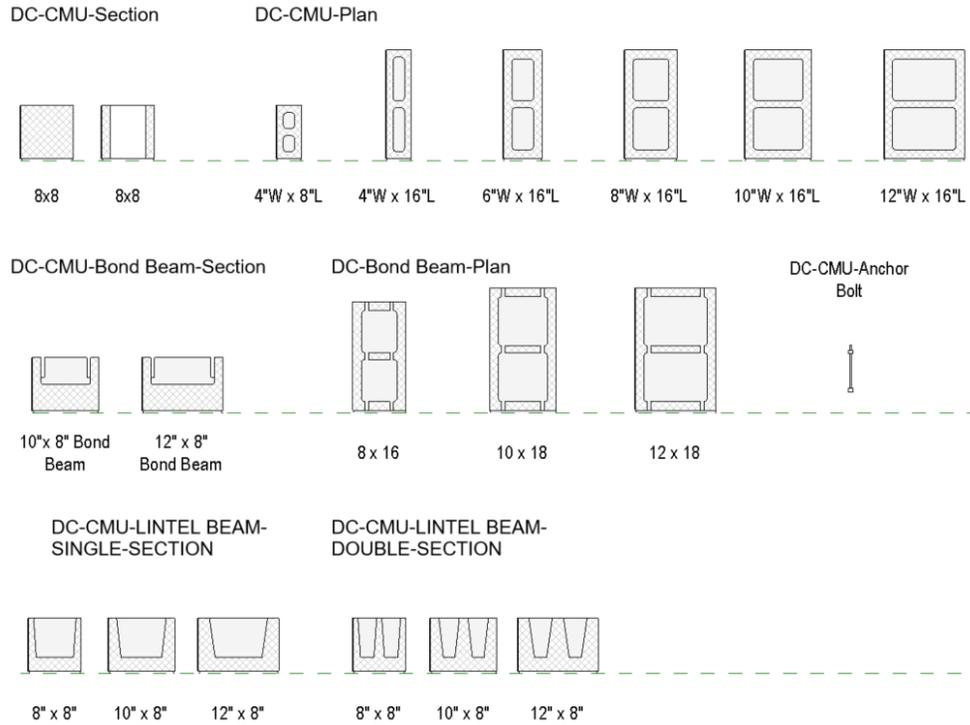


DC-Brick Tie-Corrugated

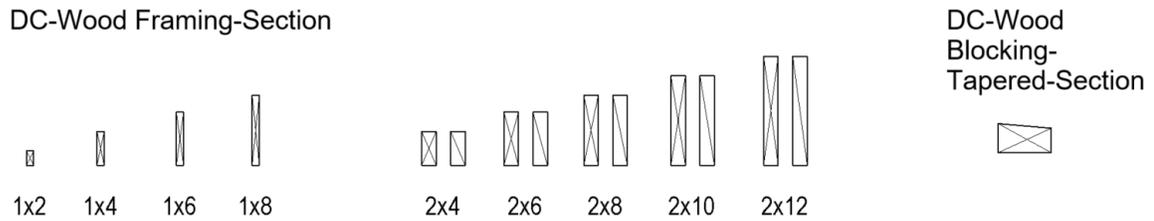
DC-Brick Tie

Graphics	
Show Heavy Line - Face	<input checked="" type="checkbox"/>
Show Heavy Line - End	<input checked="" type="checkbox"/>
Show Mortar Joint	<input checked="" type="checkbox"/>
Joint Type Concave	<input checked="" type="checkbox"/>
Joint Type Weathered	<input type="checkbox"/>
Joint Type V	<input type="checkbox"/>
Joint Type Struck	<input type="checkbox"/>
Joint Type Raked	<input type="checkbox"/>
Joint Type Flush	<input type="checkbox"/>

**CMU DETAILS**



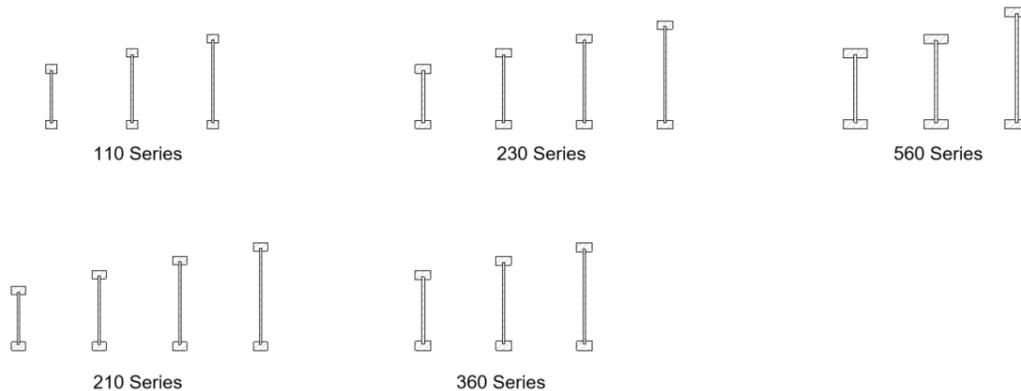
**WOOD FRAMING SECTION DETAILS**

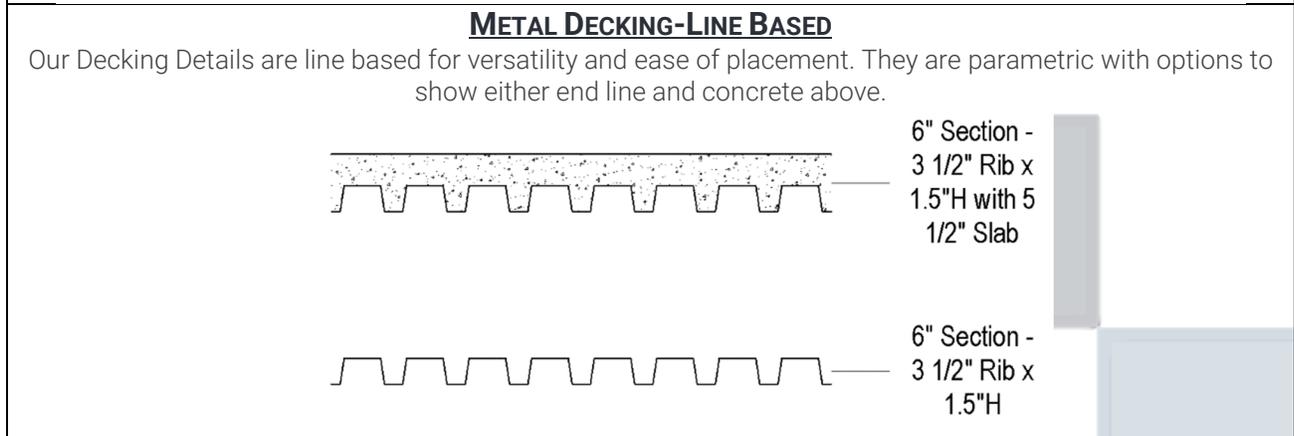
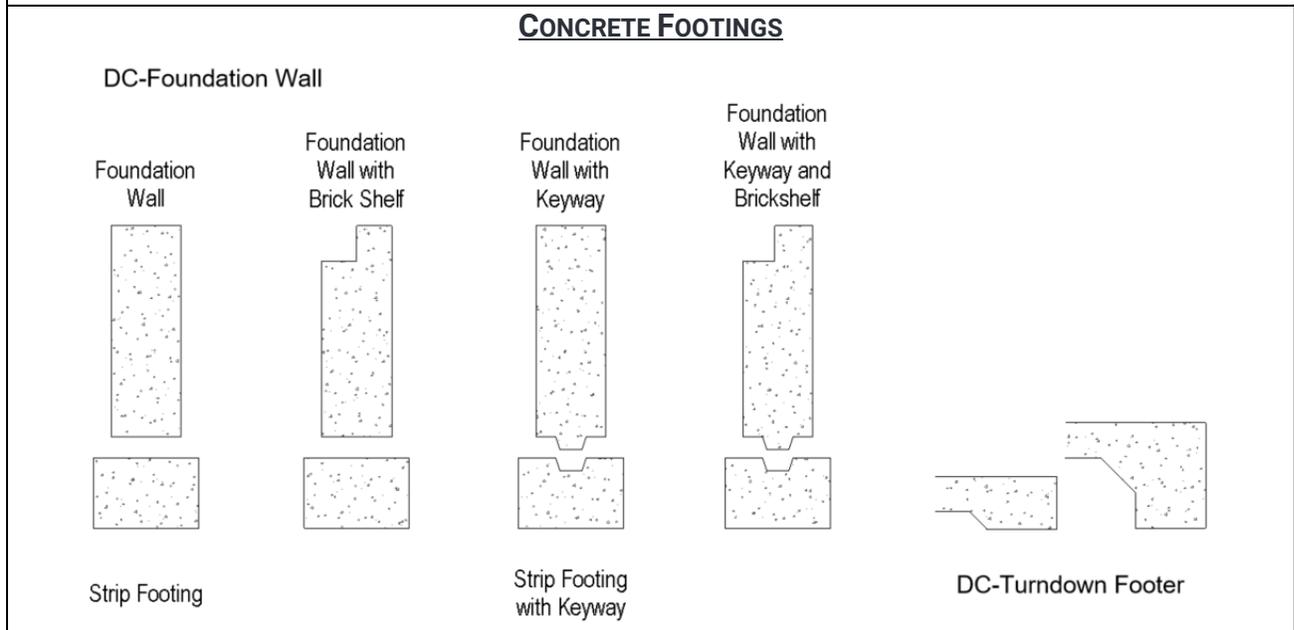
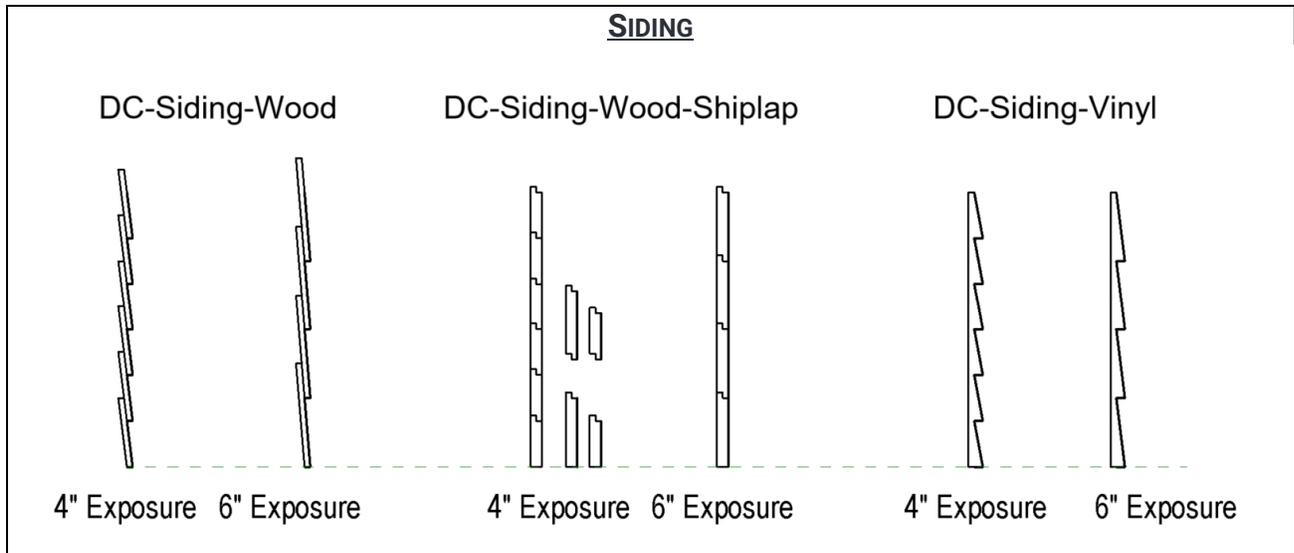


**WOOD I-JOISTS**

Our Wood Joists cover a variety of sizes and types, and are all parametric for easy customization.

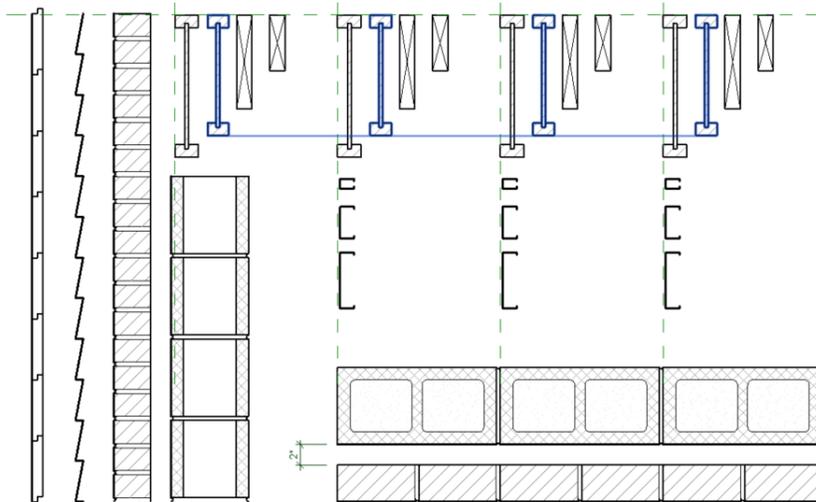
DC-Wood I- I Joist





**REPEATING DETAIL COMPONENTS**

Many of the detail components are copied and spaced at regular intervals. One of the easiest ways to ensure consistency is by using Repeating Detail Components which lock in the spacing and orientation.

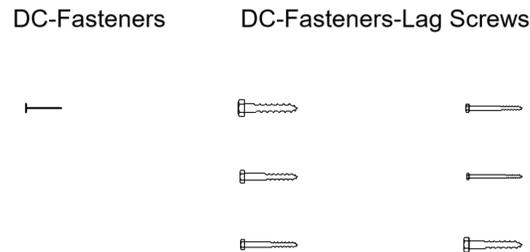


Includes:

- CMU in plan and section
- Brick in Plan and Section
- Metal studs in plan
- Siding in section
- Wood Framing
- Wood I-Joists

**FASTENERS**

We have a “schematic” fastener family with adjustable dimensions as well as lag screw symbols.



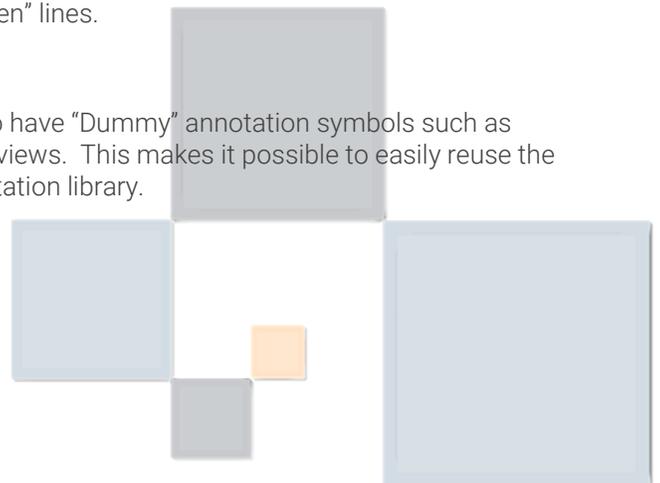
**VISIBILITY & GRAPHICS**

All our families are part of the “Detail Items” category. There are 4 default sub-categories used as follows.

- Heavy Lines – Used for outlining details
- Medium Lines – Used for cut edges of detail components
- Light Lines – Used for other internal lines
- Hidden Lines – Used for any “dashed or hidden” lines.

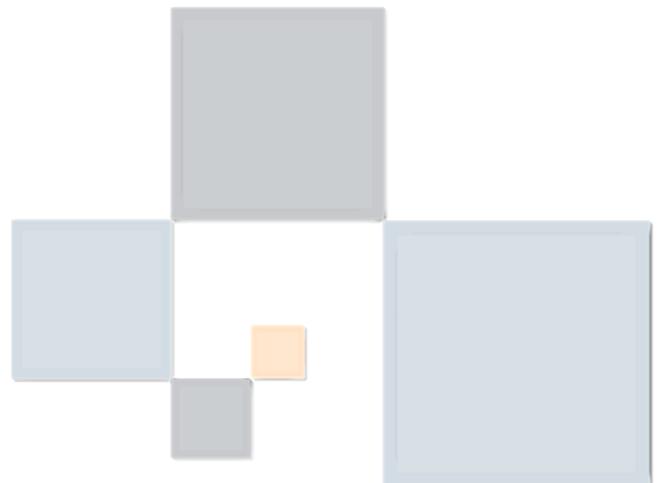
**RELATED**

Note that when creating “Standard Details it may be helpful to have “Dummy” annotation symbols such as section marks and detail callouts which don’t require links to views. This makes it possible to easily reuse the details within other projects. Those are available in our Annotation library.



**LIBRARY INCLUDES 55 DETAIL COMPONENTS – EACH WITH MULTIPLE VARIATIONS**

- 8 Metal Framing Families
  - DC-Metal Stud
  - DC-Metal Stud-CH
  - DC-Metal Channel
  - DC-Metal Channel-Deflection
  - DC-Metal Furring Hat Channel
  - DC-Metal Furring Z Channel
  - DC-Metal Decking (with concrete option)
  - DC-Metal Framing-L Angle
- 3 Wood Framing Families
  - DC-Wood Framing
  - DC-Wood I Joist
  - DC-Wood Blocking Tapered
- 5 Wood Sheathing Families
  - DC-Wood Sheathing-Particle Board
  - DC-Wood Sheathing-OSB
  - DC-Wood Sheathing-Plywood
  - DC-Wood Sheathing-Millwork
  - DC-Wood Sheathing-Corner Mitre Mask
- 2 GWB Families
  - DC-GWB-Sheathing
  - DC-GWB-L Angle-corner bead
- 5 Insulation & Sealant Families
  - DC-Insulation-Rigid
  - DC-Insulation-Tapered
  - DC-Insulation-Backer Rod
  - DC-Insulation-Backer Rod and Sealant
  - DC-Insulation-Expanding Foam Sealant
- 3 Fire Proofing Families
  - DC-Fire Proofing-Spray
  - DC-Fire Proofing-Spray-Corner
  - DC-Fire Proofing-W-Flange
- 3 Brick Families
  - DC-Brick
  - DC-Brick Tie
  - DC-Brick Tie-Corrugated
- 7 CMU Families
  - DC-CMU-Plan
  - DC-CMU-Section
  - DC-CMU-Bond Beam-Plan
  - DC-CMU-Bond Beam-Section
  - DC-CMU-Lintel Beam-Double-Section
  - DC-CMU-Lintel Beam-Single-Section
  - DC-CMU-Anchor Bolt
- 6 Siding Families
  - DC-Siding-Vinyl
  - DC-Siding-Vinyl-Segment
  - DC-Siding-Wood-Shingle
  - DC-Siding-Wood-Shiplap
  - DC-Siding-Wood-Shiplap-Base
  - DC-Siding-Wood-Shiplap-Run
- 3 Acoustic Ceiling Tile Families
  - DC-ACT-Grid and Wire
  - DC-ACT Tile
  - DC-ACT-Edge Trim



### 2 Door Frame Families

- DC-Door Frame-Hollow Meal
- DC-Door Frame-Wood

### 3 Concrete Foundation Families

- DC-Concrete-Foundation Wall
- DC-Concrete-Footing-Strip-Section
- DC-Concrete-Footing-Turndown

### 5 Other Families

- DC-Moisture Barrier
- DC-Aluminum-Drip Edge
- DC-Fastener
- DC-Fastener-Lag Screw
- DC Break Lines

### Repeating Details

- CMU Plan & Section
- Brick Plan & Section
- Metal Stud
- Wood & Vinyl Siding
- Nominal Cut Lumber
- Wood-Framing
- Wood I Joist

