Revit: A File Guide

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| Tips: |
| **Bolded** (or \*) = household items and furniture (things you will probably use) |
| “-expand” means that the arrow pulls down more info. The categories without “expand” do *not* open, so *ignore* the arrow on those tabs. |
| Parenthesizes, are the folders OR/AND items that are *inside* a folder. |
| “Tags” are notes that tell dimensions or designate areas for something (like a 'stage area’, or a ‘living room area’). |
| Note: the bullet points are different levels of folders |
| Warning: A lot of these items need to be opened through a specific setting. Columns can only be opened when clicking “Architecture: Column”) |

# **Annotations** -expand **(other tags, labels, etc.)**

* Civil (tags/notes)
* Electrical (Cable tray -tags, Conduit -tags, TickMarks, and other annotations/tags etc.)
* Fire Protection (Sprinkler Symbols)
* Mechanical (Duct -tags, and other tags)
* Pipe (pipe tags)
* Structural (tags, connections, fabric sheet symbols, other tags, etc.)

# **Boundary conditions**

# **Cable Tray (Fittings)**

# **\*Casework (floor cabinets, wall cabinets, countertops, a shelf)**

# **Columns (multiple types)**

# **Conduit** -expand

* Fittings (EMT, RMC, RNC folders)

# **Curtain Panel by Pattern (many types)**

# **Curtain Wall Panels (3 kinds)**

# **Detail items** -expand **(stairs, etc.)**

* + 1 General (break line)
  + 3 Concrete
    - Concrete Accessories (water stops)
    - Reinforcing Steel (Rebars and Reinforced Bars)
    - Structural Concrete (Concrete beams, columns, and footing, other, etc.)
    - Precast Structural Concrete (Precast beams, columns, slabs, deck members)
    - Concrete topping
    - Cast underlayment
  + 4 Masonry
    - Common Work Results for Masonry
      * Masonry mortaring (one item)
      * Masonry Anchorage and Reinforcing (many items)
      * Masonry Accessories (several items)
    - Unit Masonry (Stone Panel and Stone Quoin)
    - Clay Unit Masonry (Bricks)
    - Concrete Unit Masonry (Beams, CMUs, Fluted items, Glazed and Split Faces)
    - Glass Unit Masonry (Glass blocks)
    - Stone Assemblies (precast concrete lintels, precast sill, coping stone)
  + 5 Metals
    - Common Work Results for Metals
      * Metal Fastenings (Bolts, plates, connections)
    - Structural Steel framing (AISC 14.1 -shapes, tops, sections, Other shapes)
    - Steel Joint Framing (Joists)
    - Steel Decking (decking sides and sections)
    - Cold-formed Metal Framing (sections, sides, and tops)
    - Structural Metal Studs Faming (sections, sides, and tops)
    - Cold-formed metal joint framing
    - Metal fabrications (**Metal stairs** (interior rail, stairs))
  + 6 Wood and Plastic
    - Common Work Results for Wood Plastics and Composites (Fastenings)
    - Wood Framing (sections, sides, and tops)
    - Heavy Timber
      * Heavy timber Construction (section, side, and top)
    - Sheathing (sections)
    - Shop-Fabricated Structural Wood (sections, sides, and tops)
    - Glue Laminated Construction (section, side, and top)
    - Millwork (section, side, and top)
    - Architectural Woodwork (**Wood stairs and railings**, **Wood trim)**
  + 7 Thermal and Moisture Protection
    - Sheet Waterproofing (Drainage board and protection board)
    - Thermal Insulation (Roof and Deck insulation -multiple types)
    - Shingles and Shakes
    - Roofing and Sliding Panels (Siding (metal panels))
    - Sheet Metal Flashing and Trim (Conductors, Fascia Profiles, gutters, wall flashings, and other, etc.)
    - Expansion Control
      * Expansion joint
  + 8 Openings
    - Metal Doors and frames (hollow metal doors and frames) etc.
    - Wood doors (sliding rood doors) etc.
    - Coiling doors and Grilles
    - Storefronts
    - Metal windows (aluminum windows, steel windows)
    - Wood windows
    - Unit skylights
    - Metal-framed skylights
    - Door hardware
    - Louvers and vents (louvers, vents)
  + 9 Finishes
    - Plaster and gypsum board
      * Supports (non-structural framing)
      * lath
      * gypsum plastering
      * Portland cement plastering
      * Gypsum board
    - Tiling (Ceramic tile)
    - Ceiling (Acoustical Ceilings)
    - Flooring
      * Wood flooring
      * Resilient flooring
      * carpeting
  + 10 Specialties (wall and door protection)
  + 11 Equipment (loading doc equipment, 3 items)
  + 12 Furnishings
    - Casework
      * Manufactured wood casework
      * countertops
    - Furnishings and accessories
  + 13 Special Construction (integrated construction – radiation protection – 1 item)
  + 22 Plumbing
    - Plumbing Piping and pumps (floor and roof drains)
    - Plumbing fixtures (sink sections)
  + 26 Electrical
  + 31 Earthwork (driven piles – concrete piles, 3 items)
  + 32 Exterior Improvements
    - Base courses
    - Ridged paving
    - Unit pavers
    - Curbs and gutters
  + 33 Utilities (pipe section)
  + 41 Material Processing and handling Equipment (crane)

# **\*Doors (sliding doors, single doors, double doors, door handles, factory-style doors)**

# **Duct** -expand

* + Accessories
  + Fittings

# **Electrical** -expand

* + Architectual
  + MEP
    - Connectors
    - Electric Power
      * Appliances
      * Distribution

# **\*Entourage (beetle car, chair, cardboard man and woman, laptop, picture frame, semi truck, van)**

# **Fire protection** -expand

* Accessories (pressure alarm, **heat**, **smoke**, flow and gas **detector**, etc.)
* Cabinets (several types)
* Connections (pipes and hose connections)
* Sprinklers (many items)
* Valves (several items)

# **\*Furniture** -expand

* **Beds (several kinds)**
* **Seating (several kinds)**
* **Storage (cabinets, credenza, dresser, entertainment center, shelving set)**
* **Tables (several kinds)**
* **(oval mirror, TV, TV stand)**

# **\*Furniture system** -expand

* Hardware and supports (2 items)
* Partitions (several items)
* **Standing desks (2 items)**
* **Storage (floor and wall cabinets and a shelf**)
* **Work surfaces (many types of counters)**

# **\*Lighting** -expand

* Architectual
  + External (**street lights**)
  + Internal (celling, floor, pendant, **wall table lamps**, and more)
* MEP
  + External (street lights)
  + Internal (celling, floor, pendant, wall table lamps, and more)

# **Mass (several shapes, including an arch, pyramid, cone, etc)**

# **Mechanical** -expand

* Architectual
  + Air-side components
    - Air conditioners (one unit)
    - Sir terminals (several items)
    - Furnaces (one unit)
    - Heat distribution devices (one unit)
  + Water-side components (XRCN.P)
* MEP
  + - Air conditioners (one unit)
    - Sir terminals (several items)
    - Furnaces (one unit)
    - Heat distribution devices (one unit)

# **Openings (Several types)**

# **Pipe** -expand

* Acessories (several items)
* AWWA Fittings (several folders)
* AWWA Valves(several items)
* Fitttings (several folders)
* Valves (several folders)

# **\*Plumbing** -expand

* + Architectural
    - Equipment (Water heater)
    - Fixtures (**Bathtubs, floor drain,** drinking fountain, **shower stall, double and single sinks,** urinal, **toilet** (aka. Water Closet))
  + MEP
    - Equipment (pipe connectors, water heaters)
    - Fixtures
      * Appliances (**Dishwasher**, **Fridge, sink, and oven (Kitchen unit), stacked washer and dryer, washing machine**)
      * Bathtubs (**several bathtub shapes**)
      * Connectors (pipe connectors)
      * Drains (floor and roof drains)
      * Drinking fountains (several drinking fountains)
      * Emergency Fixtures (emergency eye wash for labs)
      * Lavatories
      * Showers (**several shapes of shower rooms/stalls**)
      * Sinks (several types)
      * Urinals
      * **Water closets** (toilets)

# **Profiles** -expand

* Curtain Wall (3 items)
* Division Profiles (3 items)
* Finish Carpentry (many items)
* Framing
  + Concrete (several items)
  + Steel (several items and one folder)
  + Wood (Dimension Lumber)
* Metal Deck (several items)
* Railings (several items)
* Roofs (several items)
* Slab (2 items)
* Stairs (several items)
* Wall (several items)

# **Railings** -expand

* Balusters (baulseters and **posts**)
* Supports (one item)
* Terminations (one wooden item)

# **\*Site** -expand

* Accessories (**bike stand, bollards, building sign, dumpster, flag pole, park bench, planter, trash can)**
* Logistics (**concrete truck, construction crane and trailer, Porta-John**, scaffolding, **pick up truck waste container**)
* Parking (Road items, such as: curb, direction arrows, parking island, **parking space,** and handicap parking symbol, **pavement stripe**)
* Utilities (**catch basin, Fire hydrant**, connections, **manhole, utility pole**)

# **\*Structural Columns** -expand

* Concrete (several items)
* Light Gauge Steel (several columns)
* Specialty Equipment
  + **Ladders** (3 ladders)
  + Fire Protection (sprinkler, smoke detector, **fire extinguisher cabinet, fire alarm, exit sign**)
  + **Domestic (Kitchenette -medium and small, etc.)**
    - Mid-range **(washers and dryers, refrigerators, ovens, microwave, dishwasher, cooktop)**
    - High-End (**wine storage, refrigerators, trash compactor, ovens, microwaves, freezers, cooktop, coffee system**, etc.)
  + Classroom Library (shelving, carrels -desk)
* Steel (many types of columns, and one folder of columns)
* Wood (several columns)

# **Structural Connections** -expand

* Mounting Parts (many folders)
* Precast (2 items)
* Steel (many items)

# **Structural Foundations (pile caps)**

# **Structural Framing** -expand

* Concrete (several items)
* Light Gauge Steel (several items)
* Precast Concrete (many shapes)
* Steel (many items)
* Wood (several items)

# **Structural Rebar Couplers (four couplers)**

# **Structural Retaining Walls (many items)**

# **Structural Stiffeners (several items)**

# **Structural Trusses (several items)**

# **Sustainable design (Wind ower generator, water tank, walk-off mat, solar panel, recycle bin, light shelf, bicycle racks)**

# **System families (empty)**

# **Titleblocks (6 items. These are what you use when you make project drawings)**

# **\*Windows (all sorts of windows)**