How to Create Metal Framing for Sheetrock

Safety Precautions

- Everyone should wear safety glasses
- Gloves may be needed to pick up finished walls
- Ear plugs when metal is being cut
- Face protection for anyone using the hand saw
- Drywall masks while cutting and moving sheet rock
- Must use multiple people to move finished walls to avoid injury

Tools and Materials

- Drill
- Circular hand saw
- Square edge
- Measuring tape
- Safety glasses
- Gloves
- Dry wall mask
- ¼ inch screws (for metal framework)
- Permanent marker (sharpie)
- Chalk Line
- C-Channels (steel)
- Metal Studs (steel)

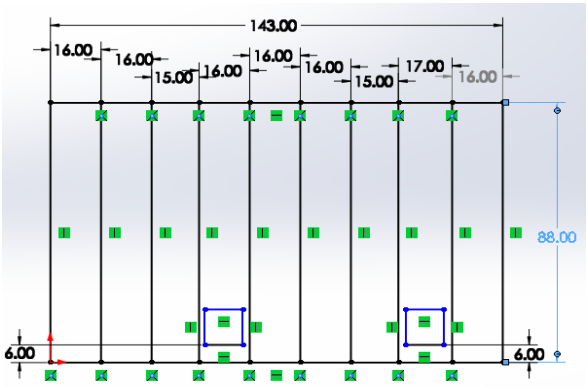
Wall Prep

1) Measure out the width of the wall
2) Measure out the height of the wall
3) Draw a diagram of the frame work (make sure studs are spaced so that there is between 12 and 18 inches in between but make the wall have even spacing)
4) Check that spacing allows at least an inch on either side of the vent for wiggle room and so the saw can fit with the metal stud
5) Mark out the hole spaces that the vents need
6) Measure and Cut the C-channels and studs to the appropriate length (make sure all are same direction up when cutting)

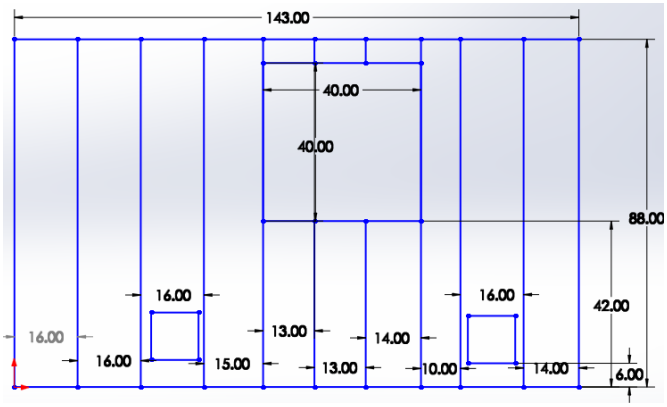
Building (Frame)

1) Follow safety precautions
2) Place 2 C-channels on the ground parallel to each other and start marking the studs as you measure along
3) Insert outer edge studs and make the frame square before attaching to the C-channels with ¼ inch screws
4) Once edges are secure insert and secure the remaining studs, make sure these are all facing the same direction and all the holes line up. Use ¼ inch screws again on both sides of the frame
5) Square the frame

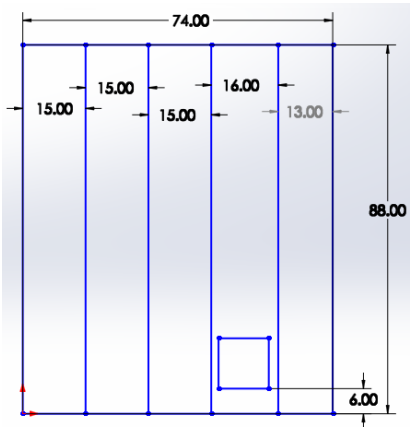
Measurements used for current container



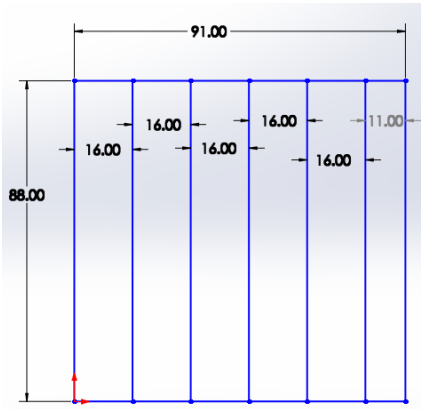
Large wall without window



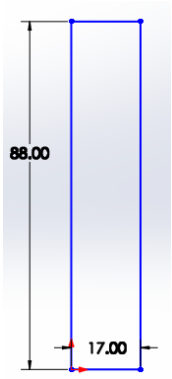
Large wall with window



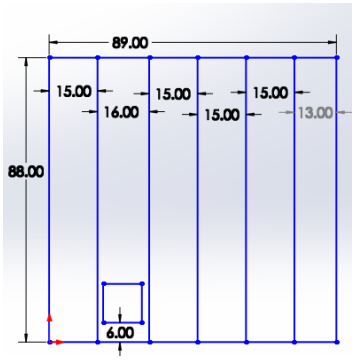
Wall parallel to rolling door in small compartment



Center wall



Small wall next to rolling door



Wall parallel to center divider in small compartment