



Figure 1. The autoclave room contains two parts: The mechanical room and the instrument room. A metal wall with a door separates these two rooms.



Figure 2. Instrument room. This room contains the control panel and access to the inner chamber of the autoclave.



Figure 3. The mechanical room. This room contains the jacket, plumbing, and electrical hook ups for the instrument.



Figure 4. Placement of the two new autoclaves is available in the current wall.

Equipment Installation - Access, space, location, elevator access, entryway dimension:

Current Electrical (Figure 5)

- Box Specifics
 - Siemens: I-T-E Enclosed Switch
 - B series
 - Type 4/4X
 - Catalog Num. F3252SS
 - 60 Amperes (Max 50 Amperes available)
 - 480 Volts (600 Max)

- 3 phase
- Three electrical boxes available

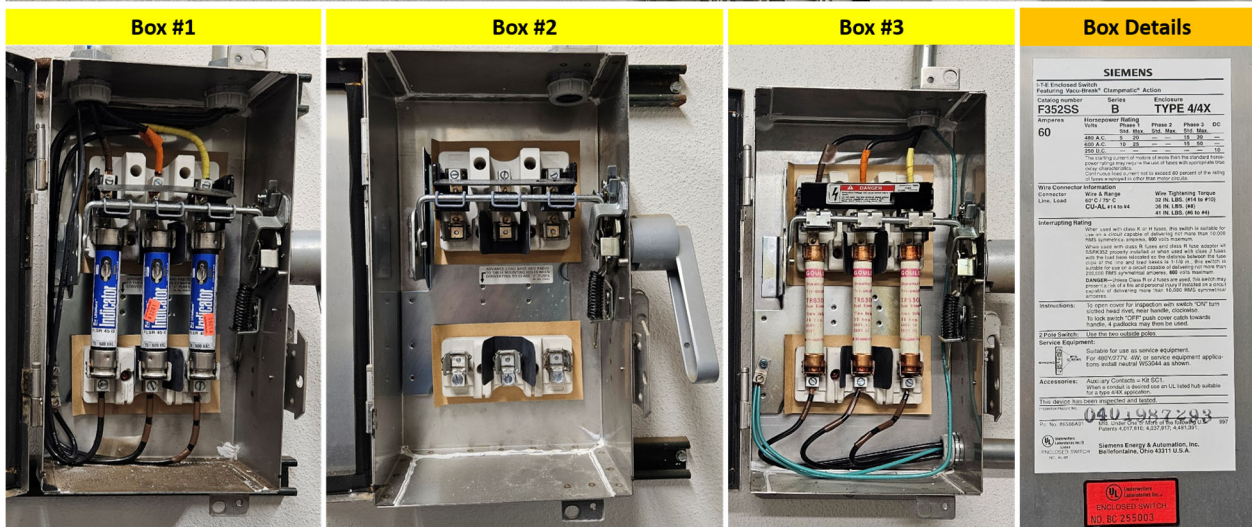
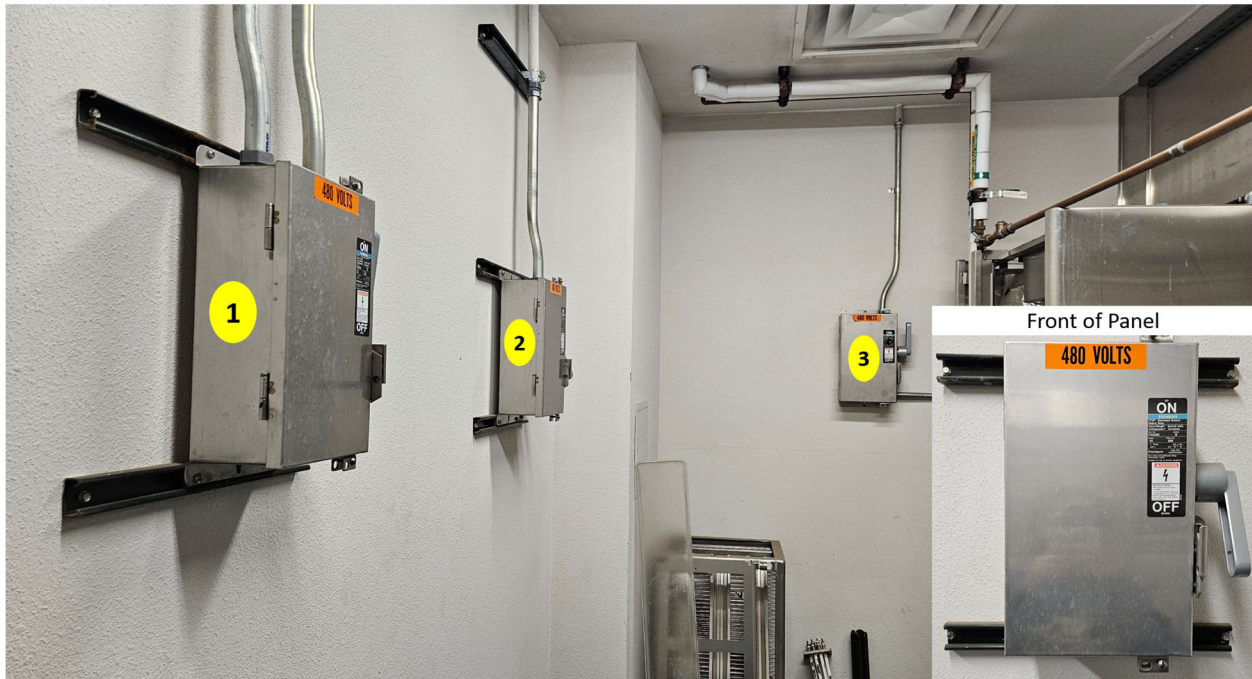


Figure 5. Electrical Boxes in the room. Box 1 is wired directly to the current autoclave. The second box is free for wiring. The third box is wired but not connected to anything.

Current Plumbing (Figure 6 and 7)

- 3 water feeds coming into the space, one is capped. Lines are primarily copper.
- 60 psi going in from the pump. Pressure pump can be upgraded if needed. [add pump info/photos]
 - Dayton Model 3GVT5
 - Max working pressure: 125 PSI / 8.5 BAR
 - Total Volume: 14 gal / 53 liter



Figure 6. Pressure pump used to increase pressure for autoclave water supply.

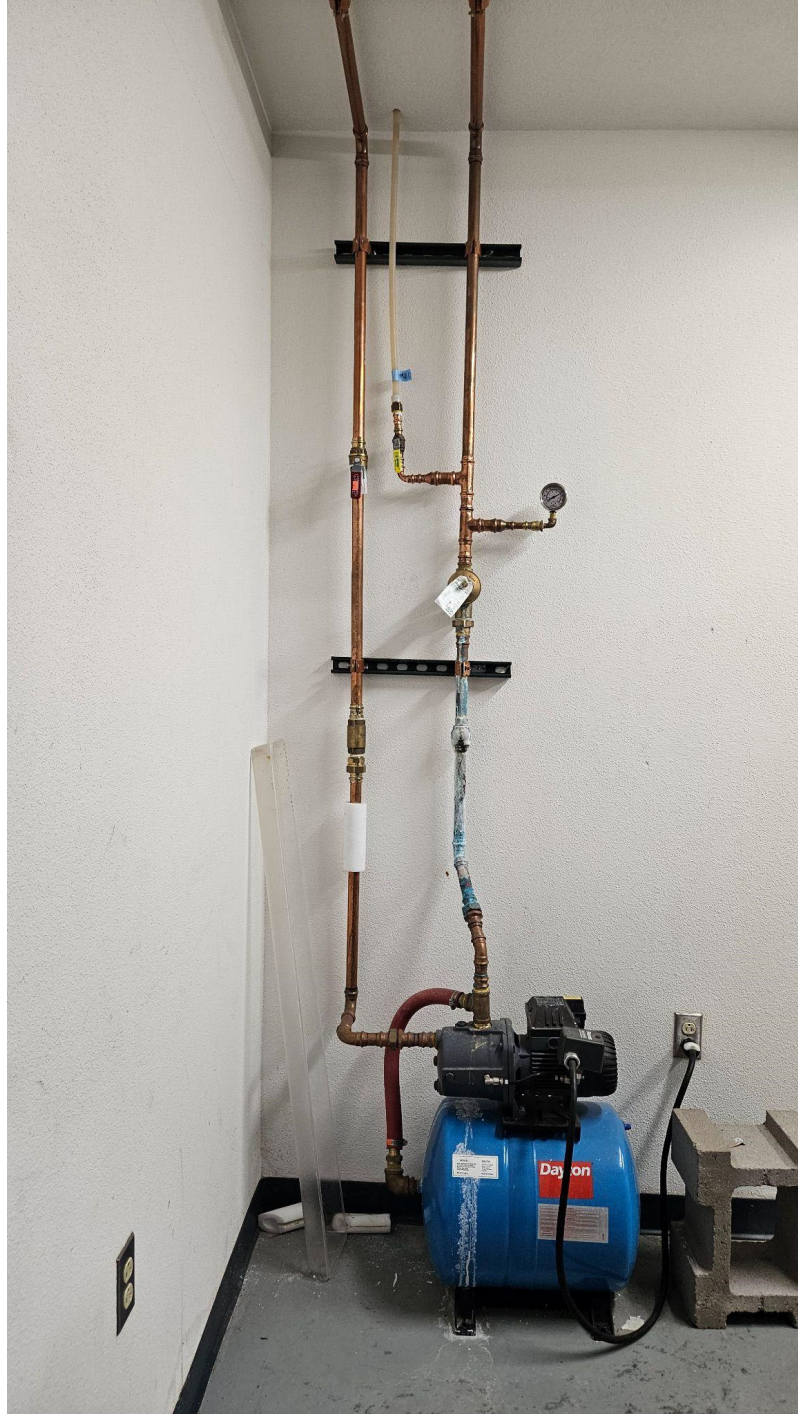


Figure 7. Pressure pump water piping. Three pipes feed into the pump and allow 60 PSI to enter the autoclave.

- City water feed is low pressure, 20-30 psi
- City water is very hard (Table 1)

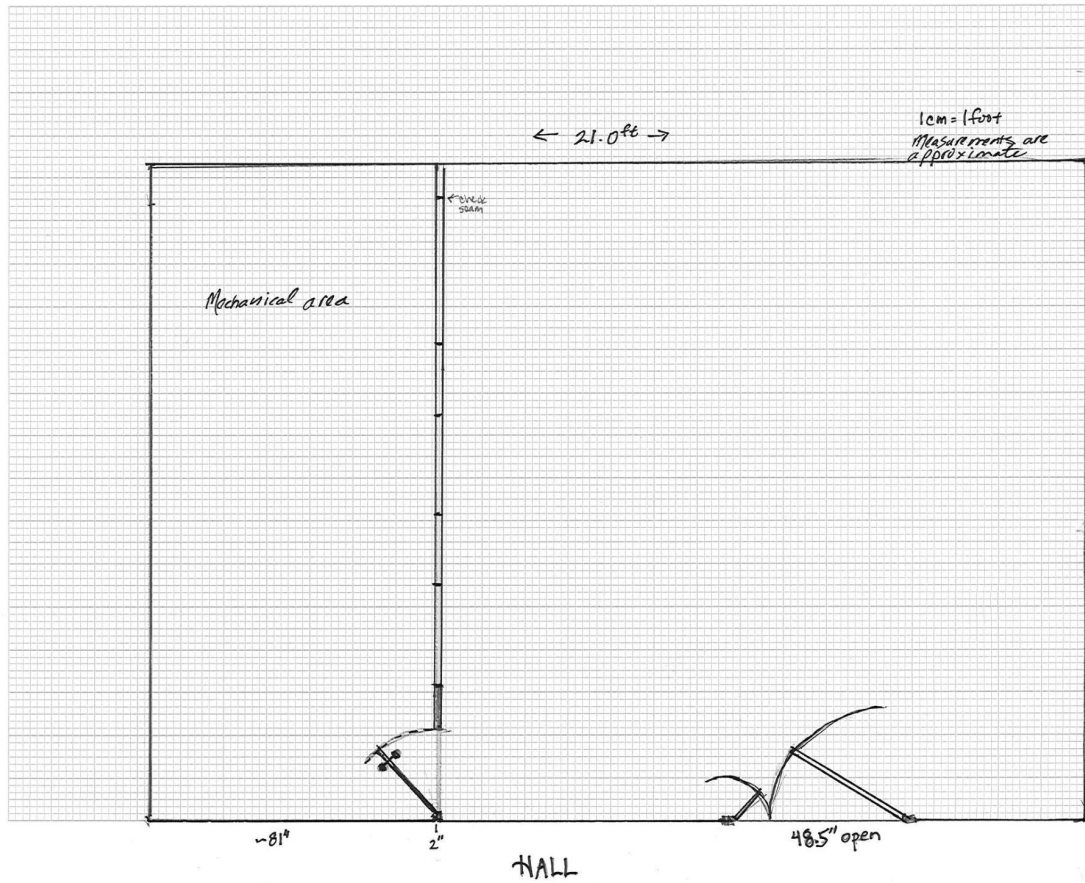


Figure 8. Rough floor plan showing the location of doors and the divider wall. Dimensions ~21 feet x 15.33 feet

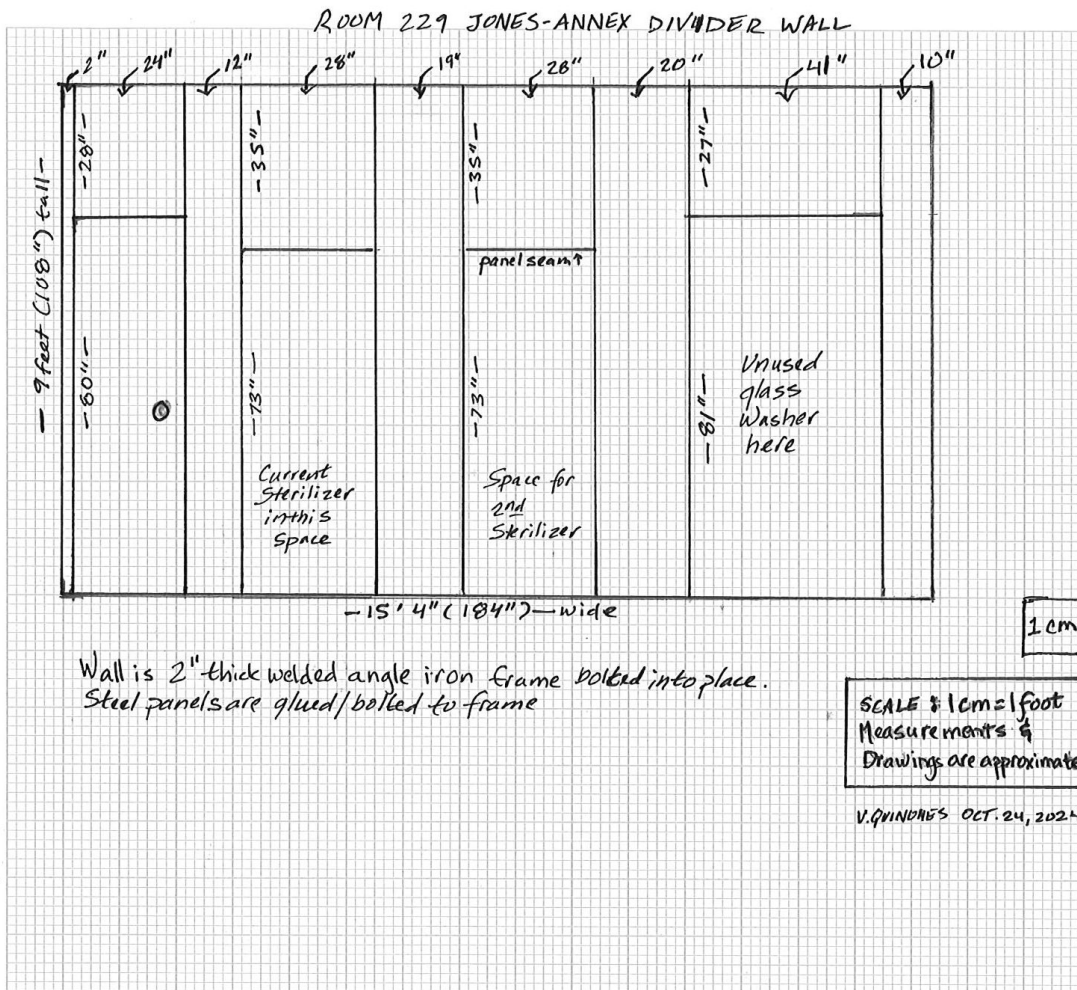


Figure 9: Elevation drawing of the divider wall showing the dimensions of the steel panels and the locations of openings.



Figure 10. Entryway of the autoclave room.



Figure 11. Elevator door access and doorway.