

N40085-08-B-0451  
8R904CN  
AS320 Relocate Wall between Room 110 and 111  
Maximo # 4130472

The intent of this project is to remove the CMU walls between room 110 and room 111 and the concrete slab observation deck supported by the CMU walls in room 111. Construct (4) Sound Proof wall sections between the pilasters to separate room 110 from 111, at building AS320.

#### Demolition

The contractor shall;

- 1) Remove the suspended ceiling and raised flooring systems in room 110 between the CMU pilasters and the block walls separating room 110 from room 111. The raised floor components will be re-used in room 110 after construction of the sound resistant wall sections. The area measures about 22 foot by 9 foot. (See drawing)
- 2) Remove all electrical, data, and fire detection fixtures, conduit, chases and wiring in room 110 between the CMU pilasters and the block walls separating room 110 from room 111. All circuits will be terminated at the nearest junction box located in room 110.
- 3) Remove the fire protection sprinkler heads and piping located in room 110 between the CMU pilasters and the block walls separating room 110 from room 111. Piping will be capped in room 110.
- 4) Remove the metal staircases / platforms in room 111 leading to the deck, and wall hung gate railing. Place on the floor in room 111 for the occupants to re-use.
- 5) Remove the concrete slab observation deck and the metal bracing in room 111.
- 6) Remove the CMU walls separating room 110 from 111. CMU shall be removed 4 inches below the finished concrete floor. There is about 60 linear feet of CMU / metal framed window walls by 12 foot high.
- 7) Remove the plywood covered raised decking system in room 111.
- 8) Remove vent piping in room 110 between the CMU pilasters and the block walls separating room 110 from room 111. A section of the vent piping runs inside the CMU wall.
- 9) Saw cut and remove concrete floor about 9 foot long by 12 inches wide by 9 inches deep in room 111 for the re-location of the vent piping. See location in drawing 3.
- 10) Haul and dispose of all debris not being reused.

## Construction

The contractor shall;

- 1) Construct 4 wall sections between the pilasters separating room 110 and 111. The finished wall shall be flush with the pilaster surfaces in room 110. Each wall section is about 9'-4" in length and 10'-10" in height. See locations in drawing 2 and construction illustration in drawing 1.
  - a) Bottom plate, header and end vertical wood studs shall be 2" by 6", attached to concrete floor, CMU pilasters and header beam with concrete anchors to ensure a stable wall.
  - b) Each side of the wall will have 2" by 4" wood studs on the outer edge of the plate, 16" on center. The 2" by 4" studs shall be staggered so that studs on opposite edges of the plate do not touch.
  - c) Weave, R-19 value non-faced batt wall insulation through the stud wall, along the entire length and heights leaving no voids as shown on drawing 1.
  - d) Install 5/8" type "X" firewall rated drywall to both sides of the wall. Attach to each stud using construction adhesive and temporary screws.
  - e) Provide a 1/4" gap between the drywall ceiling, pilasters, and floor. Fill all gaps with a paint-able acrylic latex caulking compound.
  - f) Drywall joints shall be staggered to ensure that joints on the opposite side of the wall are not located in the same position.
  - g) Remove the temporary screws after the adhesive has cured, tape joints, apply joint compound, and sand all wall surfaces to a smooth level finish.
- 2) Modify the raised floor components removed on Demo section line 1 and re-install in room 110.
- 3) Patch pilaster surfaces where the walls were removed to match the adjacent surface appearances.
- 4) Install vent piping in the floor from its current location to the pilaster and run up the pilaster in room 111 and connect to the existing piping running through the wall to room 110.
- 5) Apply epoxy concrete bonding conditioner and fill flooring with concrete to provide a smooth level surface where the CMU walls were removed and floor was saw cut for vent pipe relocation.
- 6) Construct open riser wood stairs from the raised flooring in the room 111 corridor and the door adjacent to the corridor, to the concrete flooring surface.
- 7) Apply 1 coat of latex primer sealer and 2 coats of latex finish paint to match as close as possible the existing surfaces on all new construction and repaired surfaces to include the exposed vent pipe.
- 8) The access key to room 110 is available at building AS318, Rear entrance. Visitor / key sign out is located in the first office on the right access window.