
F SPECIAL CONSTRUCTION AND DEMOLITION

F10 SPECIAL CONSTRUCTION

F10.1 Light Shelves

In classrooms, offices and other small rooms with orientation to South, East or West exposures where there is a band of *clerestory* glass below the ceiling, Light Shelves will be installed on the interior at the height of the sill of the clerestory band. These units will be continuous for the length of the sill and made of roll-formed/shaped aluminum. The profile of the aluminum will be a gentle "U" shaped curve, 24" at its width, 8" deep at the middle (bottom of the curve) and have a rolled-over lip at both length-edges to add rigidity, provide an airplane cable attachment thickness, and to conceal the cut edge from being easily touched. At the short sides, the aluminum will be rolled over or otherwise protecting people who clean the units or touch these edges. The cables will be attached to the wall-edge and the open-edge, every 6' on center, for the length of the shelf and at each end of the shelf. The shelves will be hung from the gypsum board soffit ceiling, hung ceiling or other ceiling assembly, typically (but not always) 18" above the shelf. The aluminum will be anodized finish.

F10.2 Greenhouse "Pop-outs"

Three of the four second story Science Classrooms have a room projection that is 12' wide and cantilevered off the side of the building 4'. Inside the room the Greenhouse will occupy another 4' for a total depth of 8'. The rooms will rise the entire floor height (14') and will be capped with an 8' x 12' skylight unit. Glass walls will make up the bottom 9' of the walls, with skim-coat finished blueboard comprising the upper 5'. The doors will have a weather seal to contain the greenhouse heat and humidity. There will be a programmable heat sensor-activated vent on the exterior wall to release excessive temperatures. There will be a floor drain and a hand sink within the unit. 15' deep, modular, configurable shelving units will make up the perimeter walls with enough shelves to accommodate shelves at 24" height increments.

F20 BUILDING DEMOLITION

F2010 Building Demolition

As part of the site development for the new building, demolish the school administration and Pre-kindergarten building, including foundations. Prior to demolition, abate hazardous materials as described in F2020, below. The Owner may identify elements to be salvaged before the building is demolished.

F2020 Hazardous Components Abatement

Asbestos: With respects to the School Administration/ Pre-Kindergarten building which is proposed to be demolished, the most recent AHERA report indicates that ACM was found or assumed to be present in the types of materials listed below, throughout areas of the building which were constructed before 1970. These materials will have to be removed prior to the demolition work.

- pipe insulation and mudded fittings

- boiler tank and breeching insulation.
- water tank insulation
- floor tile and associated mastic; some of this flooring is under carpeting.
- linoleum and associated mastic; some of it is under carpeting.
- residual mastic under carpeting
- floor leveling material under floor tile and linoleum (assumed)
- wood block mastic
- ceiling tiles, in the glue daubs
- transite wall panels
- chalk board glue daubs (assumed)
- transite board (blackboard) and glue, at various locations.
- bulk roofing tar and paper
- window and unit vent caulking and glazing compounds.

Lead Based Paint: Elevated levels of lead-based paint (lead content greater than 1.0 mg/cm²) may be present on the windows and on various surfaces throughout the building. Lead paint does not have to be removed, but components that are covered by lead based paint may require special handling and disposal, personnel exposure monitoring, and other precautions and protection in compliance with OSHA.

PCBs: PCBs (polychlorinated biphenyls) are present in fluorescent lamps. Fluorescent lamps will have to be handled and disposed of as universal waste.

Mercury: Present in fluorescent light ballasts and in thermostats. These items will have to be handled and disposed of these items as universal waste.

Other Hazardous Materials: Other hazardous materials which may be encountered during demolition include banned refrigerants in air conditioning units, emergency lighting, batteries, and stored paints and chemicals. These materials will have to be handled and disposed of in accordance with federal, state and local regulations.
