

7TH/8TH GRADE SCIENCE

February 3, 2014

I. PROGRAM REQUIREMENTS

Refer to the project-specific Schedule of Spaces for student stations, square footage, and for any project requirements that may differ from the prototype requirements listed below:

- 7 7/8th Gr. Science Laboratories
- 1 8th Gr. Physical Science Laboratory
- 4 Storage-Preparation Rooms

II. PROGRAM FURNITURE AND EQUIPMENT

Refer to the Furniture and Equipment List for Owner-provided furniture and equipment.

III. SPECIAL CONSIDERATIONS

1. Heating/Ventilation/Air Conditioning

Provide an emergency exhaust fan, centrally located, in each Laboratory and Storage-Preparation Room.

The air from the Storage-Preparation Rooms is to be exhausted, not returned into the return air system. The air from the Laboratories is to be returned.

2. Acoustical

Standard, refer to the General Design Requirements section.

3. Floor

Provide hard tile in the emergency shower area in each Laboratory.

Provide polished stained concrete, hard tile, or other low maintenance floor finish in each Laboratory and Storage-Preparation Room.

4. Walls

Standard, refer to the General Design Requirements section.

5. Ceiling

Standard, refer to the General Design Requirements section.

6. Lighting

Standard, refer to the General Design Requirements section.

7. Windows

Standard, refer to the General Design Requirements section.

8. Doors

Standard, refer to the General Design Requirements section.

9. Water

Laboratories (each)

Provide one (1) pull-cord emergency shower with eyewash, in accordance with SDHC standards.

Provide one (1) epoxy resin sink with cold water in the teacher demonstration table, in accordance with SDHC standards.

Provide one (1) molded fiberglass rinse-counter unit with cold water, located near the door into the Storage-Preparation Room, in accordance with SDHC standards.

Provide one (1) epoxy resin sink with cold water at each of the service islands, as described elsewhere in this section.

Provide one (1) epoxy resin sink in the fume hood, with cold water and under-counter acid dilution bottle, as described elsewhere in this section.

Storage-Preparation Room (each)

Provide one (1) molded fiberglass rinse-counter unit with hot and cold water, in accordance with SDHC standards.

Provide an under-counter acid dilution bottle at the rinse-counter unit in the Storage-Preparation Room associated with the 8th Grade Physical Science Laboratory only.

10. Communications

Provide a clock, intercom speaker and intercom handset in each Laboratory in accordance with SDHC standards.

Provide data and AV connections and associated power outlets in accordance with the General Design Requirements section and SDHC standards.

Provide a duplex data outlet with adjacent power outlet in each Storage-Preparation Room, in accordance with SDHC standards.

11. Electrical

Laboratories (each)

Provide two (2) duplex outlets above the countertop.

Provide one (1) duplex outlet at the teacher demonstration table.

Provide two (2) duplex outlets at each service island, as described elsewhere in this section.

Provide one (1) duplex outlet in the fume hood, as described elsewhere in this section.

Storage-Preparation Rooms (each)

In addition to the standard outlets, provide two (2) duplex outlets above the countertop.

12. Gas and Air

Provide one (1) double-prong gas jet at the teacher demonstration table in each Laboratory.

Provide one (1) double-prong gas jet at each service island, as described elsewhere in this section.

13. Safety

Provide a fire blanket and a fire extinguisher in a recessed cabinet in each Laboratory and Storage-Preparation Room.

Emergency shut-down devices for gas, water, and receptacles, where required, are to be located so as to be easily accessible to the teacher and must not shut down safety equipment or lighting. Provide a keyed reset mounted adjacent to each electrical shut-down device.

Provide a fire alarm pull station in each Laboratory.

14. Fencing

Not applicable

15. Service Drives

Not applicable

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratories (each)

Provide one (1) rinse-counter unit, in accordance with SDHC standards.

Provide nine (9) linear feet of lockable base and wall cabinets, keyed alike, located adjacent to the rinse-counter unit, to include one (1) bank of lockable graduated drawers, countertop to be 36" above the floor. These base cabinets are to be provided with a chemical resistant plastic laminate countertop with the exception of the base cabinets in the Storage-Preparation Room that serves the 8th Grade Physical Science Laboratory, which are to be provided with an epoxy resin countertop.

Provide four (4) service islands with sink, in accordance with SDHC standards.

At each service island provide two (2) student tables, in accordance with SDHC standards.

Provide one (1) teacher demonstration table, to contain the sink and a lockable base cabinet below, in accordance with SDHC standards.

Provide one (1) goggles sanitizing cabinet with goggles, in accordance with SDHC standards.

In the 8th Grade Physical Science Laboratory only, provide one (1) built-in double-sided chemical fume hood, located in the wall between the Laboratory and the associated Storage-Preparation Room, in accordance with SDHC standards.

17. Contractor-Provided Equipment and Casework (continued)

Storage-Preparation Room (each)

Provide one (1) rinse-counter unit, in accordance with SDHC standards.

Provide six (6) linear feet of lockable base and wall cabinets, keyed alike, located adjacent to the rinse-counter unit, to include one (1) bank of lockable graduated drawers, countertop to be 36" above the floor. These base cabinets are to be provided with a chemical resistant plastic laminate countertop with the exception of the base cabinets in the Storage-Preparation Room that serves the 8th Grade Physical Science Laboratory, which are to be provided with an epoxy resin countertop.

Provide plastic laminate finished shelving units with 1/2" lips, as much as practicable, units to be 36" wide x 18" deep x 84" high, with five (5) adjustable shelves. Shelf support clips are to be non-corrosive.

Provide one (1) glassware drying rack mounted above the drain board for the rinse-counter unit, in accordance with SDHC standards.

In addition to the items listed above, provide one (1) lockable, vented flammable storage cabinet in the Storage-Preparation Room that serves the 8th Grade Physical Science Laboratory, in accordance with SDHC standards.

18. Contractor-Provided Instructional Aids

Laboratories (each)

Provide a 12' wide x 4' high regular markerboard with a 4' wide x 4' high grid markerboard on one (1) side (grid to be 2" x 2") and a 4' wide x 4' high tackboard on the other side, bottom to be mounted 36" above the floor.

Install an owner-provided projector and mounting bracket, centered on the wall over the markerboard.

19. Other Considerations

Each Science Laboratory is to be grouped with a Mathematics, English, and Social Studies Laboratory to create a four (4) Laboratory team.

SPACE RELATIONSHIPS

