

PRODUCTION TECHNOLOGY

September 30, 2010

I. PROGRAM REQUIREMENTS

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

- 1 Laboratory
- 1 Material Storage Room
- 1 Project Storage Room

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 a ducted dust collection system for the Laboratory.

2. Acoustical

Standard, in accordance with the General Design Requirements section.

3. Floor

Standard, in accordance with the General Design Requirements section.

4. Walls

Standard, in accordance with the General Design Requirements section.

5. Ceiling

Provide a 10' high ceiling in the Laboratory.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Standard, in accordance with the General Design Requirements section.

8. Doors

Provide an exterior double door with no center mullion into the Laboratory.
Provide a double door from the Laboratory into the Material Storage Room.

9. Water

Provide one (1) sink with cold water in the Laboratory.

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory.

Provide a data outlet with adjacent power outlet in the Laboratory, in accordance with the General Design Requirements section and SDHC standards.

Provide an additional voice/data outlet in the Laboratory, in accordance with SDHC standards.

Provide a TV bracket with DVD/VCR bracket, CCTV jack, and adjacent power outlet in the Laboratory, in accordance with SDHC standards.

11. Electrical

Laboratory

Provide a duplex outlet at each Owner-provided student workstation. Provide power poles if required, located as directed.

Provide pedestal-type floor outlets as required to serve freestanding power tools and equipment. Flush-type floor outlets are not to be provided at these locations.

Provide a master disconnect switch to shut down all receptacles, located so as to be easily accessible to the teacher. Provide a keyed reset mounted adjacent to the master disconnect switch.

12. Gas and Air

Not applicable

13. Safety

Standard, in accordance with the General Design Requirements section.

14. Fencing

Not applicable

15. Service Drives

Not Applicable

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratory

Provide twelve (12) linear feet of base and wall cabinets, to include the sink and one (1) adjacent bank of graduated drawers, countertop to be 36" above the floor.

Provide one (1) glasses/goggles sanitizing cabinet with 20 safety glasses and 10 goggles, in accordance with SDHC standards.

18. Contractor-Provided Instructional Aids

Laboratory

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

Provide a wall-mounted audio-visual projection screen, approximately 70" x 70", centered over the markerboard.

19. Other Considerations

In the Laboratory the Owner will provide a total of 24 computer workstations. The type of workstation and the configuration will vary depending on the program and the design of the space.

In the Laboratory the work areas must be properly laid out to allow normal sequence of operations with a minimum of cross traffic. Provide adequate clearances between Owner-provided machines to avoid interference between operators and to allow free flow of traffic and materials.

SPACE RELATIONSHIPS

