

VOCATIONAL EDUCATION PROGRAM

I. PROGRAM PHILOSOPHY

We will utilize educational facilities and instructional practices to provide project-based instruction replicating industry standard to the greatest extent possible. It is our belief that vocational, career and technical education continues to be a key component of the overall education system. Emphasis will also be placed on ethical conduct and effective communication skills, which are needed to function as an effective employee and leader in the American workplace. Upon course completion a well-trained student will have gained the necessary skills to enter employment in a cluster of business occupations or in a specific occupation chosen as a career objective.

II. PROGRAM GOALS

The goal of our vocational program is to provide relevant career preparation for all students to be career and college ready upon graduation. Our focus is on providing learners with the skills and knowledge needed to make successful transitions into both education opportunities and the workplace.

III. PROGRAM SPACES

Level:	Vocational Technical (VE –(VE - VE)	Gross Sq. Feet:	628,144
Target # of Stations:	1,890	Utilization:	1
Total Stations:	1,890	Acres Required:	43
Total Capacity:	2,268		

Spaces	Design	Grades	Description	NSF / Space	Total NSF	Cap. / Space	Total Stns.	Total GSF
5	204	09 - VE	Large Agriculture Lab	2,560	12,800	20	100	17,152
	806		Reference	100	500	0	0	670
	810		Material Storage (Large)	395	1,975	0	0	2,646
	818		Lockers/Restroom/Shower (ESE/VOC ED)	225	1,125	0	0	1,507
	840		Vocational Related Classroom	680	3,400	20	0	4,556
	841		Greenhouse	800	4,000	0	0	5,360
	847		Vocational Flammable Storage	125	625	0	0	837
	848		Vocational Machinery Storage	1,100	5,500	0	0	7,370
20	851		Vocational Tool Storage (Large)	310	1,550	0	0	2,077
	212	09 - VE	Business Education Lab	1,460	29,200	20	400	39,128
	808		Material Storage	100	2,000	0	0	2,680
4	224	09 - VE	Large Distributive/Diversified Lab	4,000	16,000	20	80	21,440
	810		Material Storage (Large)	395	1,580	0	0	2,117

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Spaces	Design	Grades	Description	NSF / Space	Total NSF	Cap. / Space	Total Stns.	Total GSF
	812		Project Storage	150	600	0	0	804
	840		Vocational Related Classroom	680	2,720	20	0	3,644
10	234	09 - VE	Large Home Economics Lab	2,250	22,500	25	250	30,150
	812		Project Storage	150	1,500	0	0	2,010
	842		Kitchen (Home Economics)	125	1,250	0	0	1,675
	843		Laundry (Home Economics)	50	500	0	0	670
	852		VOC TECH Resource Center	800	8,000	0	0	10,720
31	246	09 - VE	Large Industrial Lab	4,000	#####	20	620	#####
	808		Material Storage	100	3,100	0	0	4,154
	810		Material Storage (Large)	395	12,245	0	0	16,408
	840		Vocational Related Classroom	680	21,080	20	0	28,247
	847		Vocational Flammable Storage	125	3,875	0	0	5,192
	849		Vocational Project Storage	310	9,610	0	0	12,877
	850		Vocational Tool Storage (Small)	195	6,045	0	0	8,100
12	254	09 - VE	Large Health Lab	3,300	39,600	20	240	53,064
	804		Dispensary	135	1,620	0	0	2,170
	806		Reference	100	1,200	0	0	1,608
	810		Material Storage (Large)	395	4,740	0	0	6,351
	818		Lockers/Restroom/Shower (ESE/VOC ED)	225	2,700	0	0	3,618
	840		Vocational Related Classroom	680	8,160	20	0	10,934
	849		Vocational Project Storage	310	3,720	0	0	4,984
10	264	09 - VE	Large Public Service Lab	1,960	19,600	20	200	26,264
	810		Material Storage (Large)	395	3,950	0	0	5,293
	840		Vocational Related Classroom	680	6,800	20	0	9,112
1	270	09 - VE	Work Evaluation Lab	1,110	1,110	15	0	1,487
	810		Material Storage (Large)	395	395	0	0	529
	853		Vocational Testing	250	250	0	0	335
1	271	09 - VE	VPI Lab	705	705	15	0	944
	802		Instructional Conference Room	225	225	0	0	301
	808		Material Storage	100	100	0	0	134
	840		Vocational Related Classroom	680	680	20	0	911
	846		Reception (VOC ED Instruction)	90	90	0	0	120
	853		Vocational Testing	250	250	0	0	335
1	300	PK-VE	Principal/Director Office	250	250	0	0	335
35	301	PK-VE	Assistant Principal/Other Office	175	6,125	0	0	8,207
1	302	PK-VE	Bookkeeping Office	125	125	0	0	167
14	303	PK-VE	Secretarial Space	158	2,212	0	0	2,964
1	304	PK-VE	Reception Area	1,921	1,921	113	0	2,574
1	305	PK-VE	Production Workroom	904	904	113	0	1,211
1	306	PK-VE	Conference Room	1,582	1,582	113	0	2,119
1	307	PK-VE	Clinic	678	678	113	0	908
1	308	PK-VE	General School Storage	1,130	1,130	113	0	1,514

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Spaces	Design	Grades	Description	NSF / Space	Total NSF	Cap. / Space	Total Stns.	Total GSF
1	309	PK-VE	Vault/Student Records	678	678	113	0	908
1	310	PK-VE	School Store	226	226	113	0	302
1	311	PK-VE	Student Activities	1,130	1,130	113	0	1,514
1	312	PK-VE	Computer Area	339	339	113	0	454
5	314	PK-VE	Itinerant Office	125	625	0	0	837
1	315	PK-VE	Teacher Planning Office	4,520	4,520	226	0	6,056
1	316	PK-VE	Teacher Lounge/Dining	904	904	226	0	1,211
1	330	PK-VE	Custodial Receiving	3,390	3,390	226	0	4,542
1	333	PK-VE	Flammable Storage	155	155	0	0	207
1	334	PK-VE	Custodial Equipment Storage	500	500	0	0	670
1	340	PK-VE	Dining Area	9,040	9,040	226	0	12,113
1	341	PK-VE	Kitchen & Serving Area	9,944	9,944	226	0	13,324
1	349	PK-VE	Kitchen Chair Storage	452	452	113	0	605
1	360	06 - VE	Auditorium	6,780	6,780	226	0	9,085
1	363	PK-VE	Stage	990	990	1	0	1,326
1	364	PK-VE	Stage Storage	1,130	1,130	226	0	1,514
1	365	PK- E	Stage Dressing Room (Male)	565	565	113	0	757
1	366	PK-VE	Sage Dressing Room (Female)	565	565	113	0	757
1	367	PK-VE	Control Booth/Projection Room	100	100	1	0	134
1	368	PK-VE	Textbook Storage	791	791	113	0	1,059
1	370	06 - VE	Lobby	1,130	1,130	113	0	1,514
1	371	06 - VE	Concessions	200	200	1	0	268
1	372	06 - VE	Ticket Booth	30	30	1	0	40
1	380	PK-VE	Library (Reading Room/Stacks)	8,362	8,362	226	0	11,205
1	381	PK-VE	Media Technical Processing	904	904	226	0	1,211
1	382	PK-VE	Professional Library	904	904	226	0	1,211
1	383	PK-VE	Audio Visual Storage	1,356	1,356	226	0	1,817
1	384	PK-VE	Periodical Storage	452	452	226	0	605
1	385	PK-VE	Closed Circuit TV Lab	1,582	1,582	226	0	2,119
1	386	PK-VE	Closed Circuit Storage	1,130	1,130	226	0	1,514
1	387	PK-VE	Media Production Lab	1,130	1,130	226	0	1,514
1	388	PK-VE	Media Copying Room	452	452	226	0	605
1	391	PK-VE	Media Maintenance/Repair	226	226	113	0	302

VOCATIONAL EDUCATION PROGRAM

ENVIRONMENTAL HORTICULTURE: AGRISCIENCE AND BIOTECHNOLOGY

August 19, 2015

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 Related Classroom
- 1 Flammable Storage Room
- 1 Fish/Small Animal Room
- 1 Tissue Culture Room
- 1 Material Storage Room
- 1 Greenhouse
- 1 Land Laboratory

II. PROGRAM FURNITURE AND EQUIPMENT

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

IV. SPECIAL CONSIDERATIONS

All facilities will be designed and built following the State Requirements for Educational Facilities (S.R.E.F.) and the District Design Guidelines and will include the following Special Considerations:

(1) Heating/Ventilation/Air Conditioning

Provide exhaust fans in the Flammable Storage Room and in the Fish/Small Animal Room.

Provide an emergency exhaust fan, centrally located, in the Laboratory. To prevent overuse, provide a 10-minute timer on the fan.

Provide a thermostat controlled exhaust system in the Greenhouse consisting of two (2) fans on one end wall and an operable shutter on the opposite end wall.

Provide a thermostat controlled tank heater with LP gas tank and electronic ignition in the Greenhouse.

(2) Floor

Provide sealed concrete in the Laboratory, Flammable Storage Room, Fish/Small Animal Room, Tissue Culture Room, and in the Material Storage Room.

Provide a concrete center aisle and three concrete lateral aisles in the Greenhouse.

Provide standard flooring elsewhere, in accordance with the General Design Requirements section.

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III. SPECIAL CONSIDERATIONS (continued)

(3) Walls

Provide plaster or painted masonry walls in the Fish/Small Animal Room.

Provide poly-carbonate covering on the entire Greenhouse structure with the exception of the roll-up side curtains, which are to be manually-operated.

Provide standard walls elsewhere, in accordance with the General Design Requirements section.

(4) Ceiling

Provide painted exposed structure, minimum 10' high, in the Laboratory.

Provide standard ceilings elsewhere, in accordance with the General Design Requirements section.

(5) Lighting

Standard, refer to the General Design Requirements section. Provide lighting in the Greenhouse.

(6) Windows

Provide operable windows in the Fish/Small Animal Room.

Provide windows, sill height above six (6) feet, in the Laboratory.

(7) Doors

Provide an exterior overhead roll-up door, 8' wide x 8' high (manually operated) into the Fish/Small Animal Room.

Provide standard doors elsewhere, in accordance with the General Design Requirements section.

(8) Plumbing

Related Classroom

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

Laboratory

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

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

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

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III. SPECIAL CONSIDERATIONS (continued)

(8) Plumbing (continued)

Fish/Small Animal Room

Provide two (2) hose bibs and floor drains, located as required.

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

Tissue Culture Room

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

Land Laboratory

Provide two (2) hose bibs.

Provide #30 agricultural type sprinkler heads spaced on a 50' x 50' grid and mounted on 36" high risers.

Greenhouse

Provide one (1) exterior hose bib and one (1) interior hose bib, located near the door.

Provide two (2) 1" PVC stub-outs with 1" gate valves for connection to future owner-provided irrigation system. One is to be located near the door on the interior wall, and the other is to be located on a side wall, approximately two feet from the back wall.

(9) Communications

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

Provide a data connection with adjacent power outlet in the Laboratory and Related Classroom, in accordance with the General Design Requirements section and PCSB standards.

Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Laboratory and Related Classroom, in accordance with PCSB standards.

(10) Electrical

Laboratory

Provide two (2) duplex outlets at each student laboratory table, as described elsewhere in this section.

Provide three (3) duplex outlets on each wall.

Tissue Culture Room

Provide one (1) duplex outlet on each wall.

Greenhouse

Provide two (2) duplex weatherproof outlets at opposite ends of the Greenhouse.

Related Classroom

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

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III. SPECIAL CONSIDERATIONS (continued)

(10) Electrical (continued)

Related Classrooms (continued)

Provide duplex outlets in each wall in accordance with PCSB standards.

(11) Gas and Air

Provide one (1) double-prong gas jet at each student laboratory table, as described elsewhere in this section, in the Laboratory.

(12) Safety

Provide a fire blanket and a fire extinguisher in a recessed cabinet in the Laboratory and Related Classroom.

Emergency shut-down devices for gas, 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 the Laboratory.

(13) Fencing

Provide a 6' high chain link fence around the entire Land Laboratory with two 10' wide swinging gates, located as directed.

(14) Contractor-Provided Equipment and Casework

Laboratory

Provide one (1) rinse-counter unit, in accordance with PCSB standards. Provide a garbage disposal.

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

Provide six (6) student laboratory tables with sinks, in accordance with PCSB standards.

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

Provide twelve (12) linear feet of lockable base and wall cabinets, located adjacent to the rinse-counter unit, to include one (1) bank of lockable graduated drawers, countertop to be 36" above the finished floor. These base cabinets are to be provided with an epoxy resin countertop.

Provide two (2) lockable tote tray storage cabinets, 24" wide x 24" deep x 84" high, with twelve (12) fixed shelves and center divider, complete with tote trays. Tote trays are to be 10 1/2" wide x 19" long x 3 1/2" high, molded plastic.

Related Classroom

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

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- (14) Contractor-Provided Equipment and Casework (continued)

Fish/Small Animal Room

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

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

Tissue Culture Room

Provide one (1) built-in double-sided chemical fume hood with a lockable acid storage cabinet in the base section, located in the wall between the Tissue Culture Room and the Laboratory, in accordance with PCSB standards.

- (15) Contractor-Provided Instructional Aids

Laboratory and Related Classroom (each)

Provide a 12' wide x 4' high regular marker board with a 4' wide x 4' high grid marker board 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.

Provide an 8' wide x 4' high regular marker board on an adjacent wall, bottom to be mounted 36" above the floor.

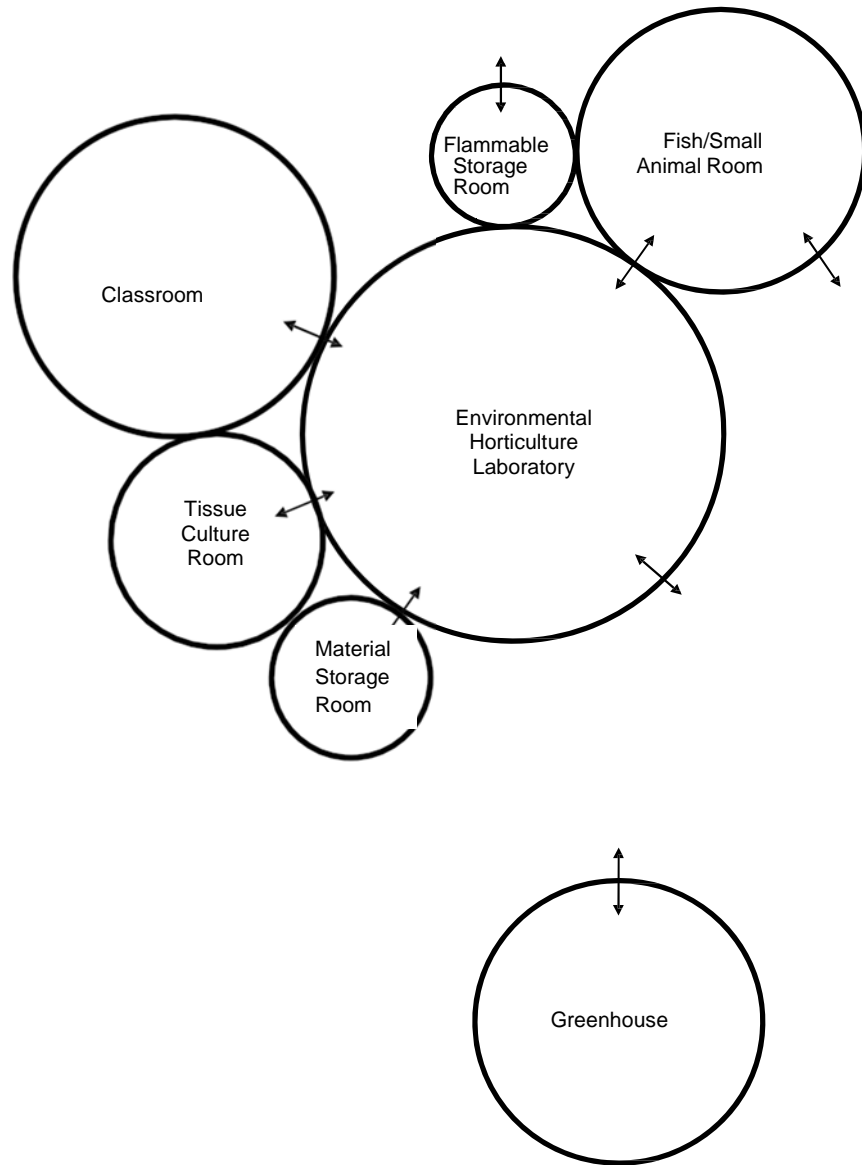
Provide a wall-mounted video projection system in accordance with PCSB standards.

- (16) Other Considerations

Provide a three-sided, 2-compartment mulch bin, approximately 6' wide x 30' long x 4' high, located near the Greenhouse.

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SPACE RELATIONSHIPS



BUSINESS TECHNOLOGY EDUCATION

August 19, 2015

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/ Classroom
- 1 Teacher Planning
- 1 Material Storage Rm.

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**
Standard, in accordance with the General Design Requirements section.
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**
Standard, in accordance with the General Design Requirements section.
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 a half-glass door from the Teacher Planning into the Laboratory/classroom..
9. **Water**
Not applicable
10. **Communications**
Provide a clock, speaker and intercom handset in the Laboratory/classroom and

Teacher Planning.

Provide six (6) quadraplex data outlets with adjacent quadraplex power outlets, located in the Laboratory/classroom walls and power poles (as needed), in accordance with the General Design Requirements section and PCSB standards.

Provide a data outlet with adjacent power outlet in the Teacher Planning room, in accordance with the General Design Requirements section and PCSB standards.

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

11. Electrical

Provide quad- electrical outlets on the classroom walls to facilitate furniture layout around the classroom perimeter.

Provide power poles as needed by furniture in the Laboratory, located as directed.

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

Not applicable

18. Contractor-Provided Instructional Aids

Laboratory

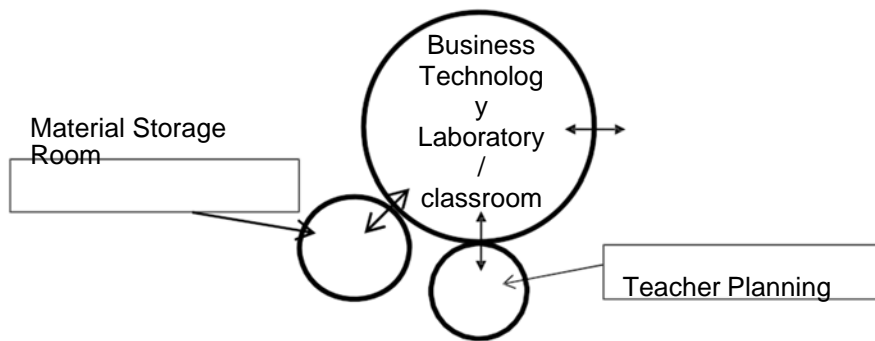
Provide a 12' wide x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.

Provide a wall-mounted video projection system, in accordance with PCSB standards..

19. Other Considerations

Not applicable

SPACE RELATIONSHIPS



SALES MERCHANDISING

August 20, 2015

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 Teacher Planning/Material 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

Standard, in accordance with the General Design Requirements section.

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

Standard, in accordance with the General Design Requirements section.

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 a half-glass door from the Teacher Planning/Material Storage Room into the Laboratory.

Provide a half-glass door from the Laboratory into the School Store, if provided.

9. Water

N/A

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory and Teacher Planning/Material Storage Room.

Provide a data outlets with adjacent power outlets in the Laboratory walls and Teacher

Planning/Material Storage Room, in accordance with the General Design Requirements section and PCSB standards.

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

11. Electrical

Standard, in accordance with the General Design Requirements section.

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

General

Provide one (1) lockable, lighted display case to house a full height mannequin, 24" deep x 72" wide x 84" high, located in the corridor outside the Laboratory.

Laboratory

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

18. Contractor-Provided Instructional Aids

Laboratory

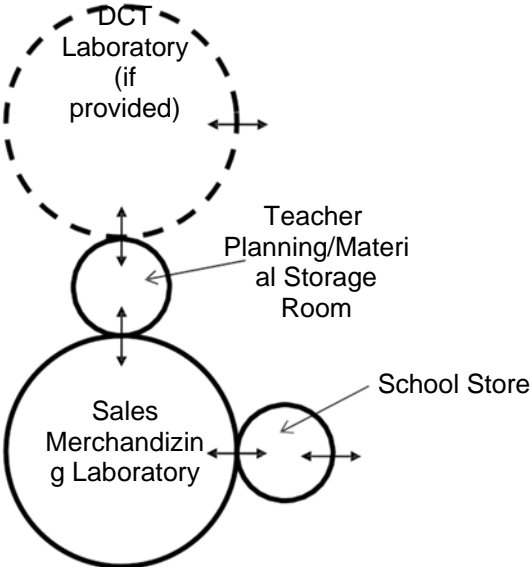
Provide a 12' wide' x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.

Provide a wall-mounted video projection system in accordance with PCSB standards.

19. Other Considerations

Provide a School Store adjacent to this Laboratory. This Laboratory and the School Store should be located close to the Student Dining Area or another common area easily accessible to students.

SPACE RELATIONSHIPS



EARLY CHILDHOOD EDUCATION

August 20, 2015

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 Entry Vestibule
- 1 Related Classroom
- 1 Kitchen
- 1 Student Toilet Room
- 1 Outside Storage Room
- 1 Teacher Plan. /Mat. Stor. /Observ. Rm.
- 1 Outdoor Play Area

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 exhaust for the owner-provided clothes dryer in the Laboratory. Standard elsewhere, in accordance with the General Design Requirements section.

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

Standard, in accordance with the General Design Requirements section.

6. Lighting

In accordance with the General Design Requirements section and PCSB standards.

7. Windows

Provide window from the Teacher Planning/Material Storage/Observation Room into the Laboratory. Provide vertical blinds or film on the window to prevent viewing from lab into observation room.

8. Doors-

Provide two doors into the Related Classroom. One door is to open off of the Child Care Laboratory, and the other door is to open from a common circulation space. Provide two doors into the Teacher Planning/Material Storage/Observation Room. One door is to open off of the Early Childhood Education Laboratory, and the other door is to open from a common circulation space. Provide a dutch-type door between the Kitchen and the Laboratory. Provide passage hardware on the Student Toilet Room door. Standard elsewhere, in accordance with the General Design Requirements section. Provide a door from the laboratory to the playground area.

9. Water

Laboratory

Provide one (1) preschool height electric water cooler, located near the Student Toilet Room.

Provide one (1) sink with hot and cold water, located near the Student Toilet Room. Provide water supply and drainage for the owner-provided washing machine in the Laboratory.

Student Toilet Room

Provide one (1) preschool height toilet, one (1) standard height toilet and one (1) preschool height wall-mounted lavatory with hot and cold water. Provide one (1) hose bib and floor drain.

Kitchen

Provide two (2) double sink with hot and cold water, a spray attachment, and a garbage disposal. Provide water supply for the owner-provided refrigerator/freezer with ice maker.

Outdoor Play Area

Provide one (1) preschool height electric water cooler.

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory, Related Classroom and Teacher Planning/Material Storage/Observation Room.

Provide a data outlet with adjacent power outlet in the Laboratory, Related Classroom and Teacher Planning/Material Storage/Observation Room, in accordance with the General Design Requirements section and PCSB standards.

Provide a duplex voice/data outlet with adjacent power outlet in the Laboratory, in accordance with the General Design Requirements section and PCSB standards.

Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Laboratory and Related Classroom, in accordance with PCSB standards.

Provide a two-way local intercom system between the Laboratory and Teacher Planning/ Material Storage/Observation Room.

11. Electrical

Provide power for the owner-provided clothes dryer and washing machine in the Laboratory.

Provide electrical outlet for microwave oven in Kitchen.

Provide a disconnect switch for the range, located near the range in the Kitchen.

12. Gas and Air

Not applicable

Early Childhood Education

13. Safety

Provide a fire extinguisher in a recessed cabinet, located near the range in the Kitchen. Provide ground cover in the Outdoor Play Area consistent with current codes for childcare facility play areas.

14. Fencing

Provide a 6' high chain link fence around the Outdoor Play Area, with a 4' wide swing gate.

15. Service Drives

Not Applicable

16. Parking

Not Applicable

17. Contractor-Provided Equipment and Casework

Laboratory

Provide six (6) linear feet of lockable base and wall cabinets, to include the sink and one (1) adjacent bank of lockable graduated drawers, countertop to be 36" above the floor. Locate these cabinets near the Student Toilet Room.

Provide five (5) general storage cabinets, in accordance with PCSB standard detail.

Kitchen

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

above the floor. The kitchen equipment is to be located in this area. Six (6) linear feet of the wall cabinet noted above is to be 'open' (without doors).

Provide one (1) lockable storage cabinet, 36" wide x 24" deep x 84" high, with space on one side for broom storage and five (5) adjustable shelves on the other side.

Provide one (1) range with oven and hood, full-size.

Provide one (1) microwave, installed over the range at the recommended height. Provide one (1) garbage disposal.

Provide one (1) dishwasher, heavy duty, with sanitizing unit.

Isolation Room

Provide six (6) linear feet of lockable base and wall cabinets, countertop to be 36" above the floor. The countertop is to have a 1 1/2" high lip, for use as an exam table.

Related Classroom

Provide three (3) storage cabinets, in accordance with PCSB standard detail.

Provide two (2) lockable tote tray storage cabinets, 24" wide x 24" deep x 84" high with twelve (12) fixed shelves and center divider, complete with tote trays. Tote trays

are to be 10 1/2" wide x 19" long x 3 1/2" high, molded plastic.

Provide twenty (20) lockers, 12" wide x 15" deep x 12" high.

Outside Storage Room

Provide one (1) fixed shelf with a 2" high lip, 24" deep, mounted 60" above the floor around the perimeter of the room.

18. Contractor-Provided Instructional Aids

Laboratory

Provide a 6' wide x 5' high markerboard with a 4' wide x 5' high tackboard on one (1) side, bottom to be mounted 24" above the floor.

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

Provide Closed Circuit observation cameras such that all areas of the laboratory can be viewed from the monitor in the observation room.

Related Classroom

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 video projector in accordance with PCSB standards.

Observation Room

Provide closed circuit video monitor for cameras in the laboratory.

19. Other Considerations

This Laboratory is to be located on the ground level with convenient access to the administrative suite.

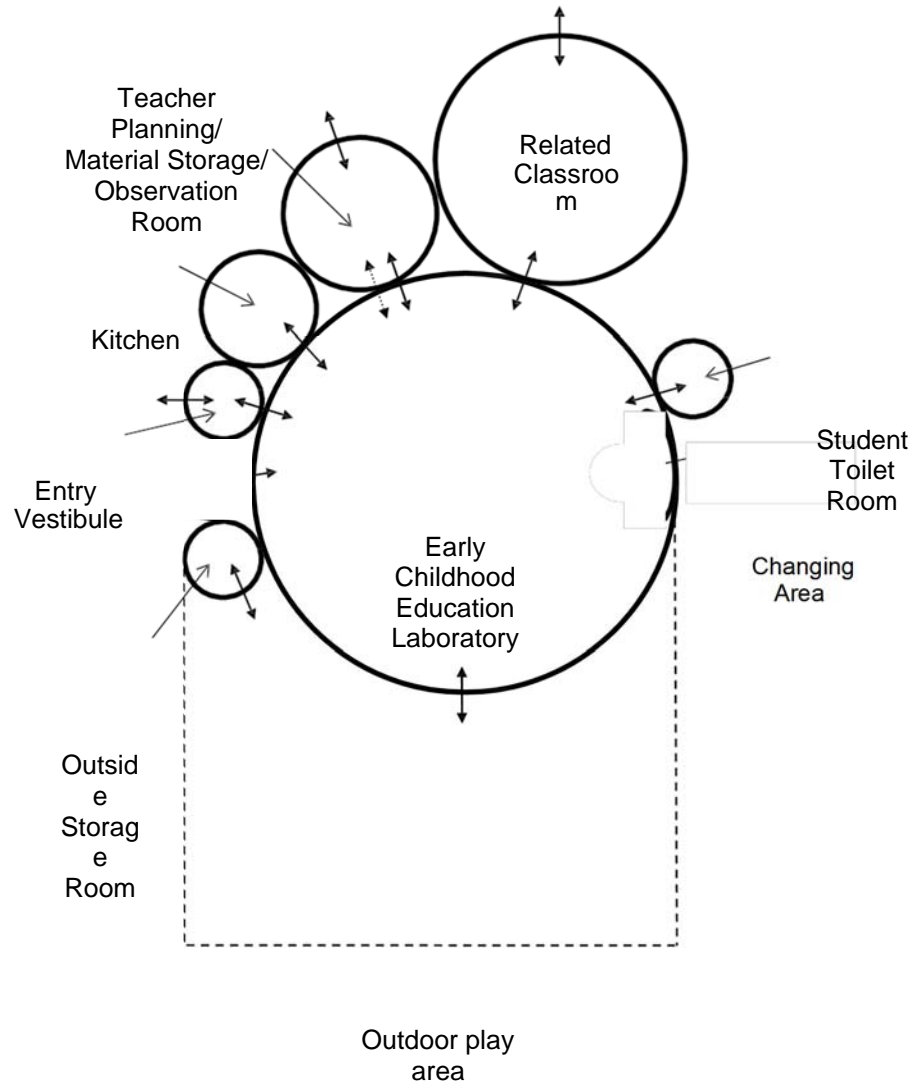
Provide convenient access to a parking lot, for parents dropping off pre-school children.

Provide both a concrete and grass or appropriate ground cover in the Outdoor Play Area. If the Outdoor Play Area is not located immediately adjacent to the Laboratory, provide a 4' wide sidewalk leading from the Laboratory to the Outdoor Play Area.

Locate the lab so that the Outdoor Play Area is at least partially shaded, or provide an overhang that will provide shade all day.

Provide a custodial closet near the Laboratory.

SPACE
RELATIONSHIPS



CULINARY OPERATIONS

August 20, 2015

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 Multi-Purpose Classroom
- 1 Material Storage Room
- 1 Dry Good 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 dual air forced ventilating hood with an automatic fire extinguishing system above the cooking equipment. The hood is to extend at least 4" beyond the face of the equipment.

Provide exhaust for the Owner-provided clothes dryer in the Material Storage Room.

Provide small air conditioner/climate control unit in dry goods storage for air circulation

2. Acoustical

Standard, in accordance with the General Design Requirements section.

3. Floor

Provide non-skid epoxy flooring in the Laboratory, sloped to floor drains.

Provide standard flooring elsewhere, in accordance with the General Design Requirements section.

4. Walls

Provide glazed ceramic tile or stainless steel plates on the walls where the heated equipment is located.

5. Ceiling

Provide a suspended acoustical system with a washable finish in the Laboratory.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Provide an observation window, 36" wide x 48" high, from the Multi-Purpose Classroom into the Laboratory.

8. Doors

Provide two (2) swinging doors, one "in" door and one "out" door, between the Multi-

Purpose Classroom and the Laboratory.

9. Water

General

Provide water supply and drainage as required for all equipment, both Owner and Contractor-provided.

Provide hot and cold water at all sinks and lavatories.

Drainage for all sinks and cooking equipment shall be through an outside grease trap.

Provide floor drains with catch baskets and stainless steel grates, and hose bibs to facilitate general cleaning.

Locate floor drains so that traffic and/or operations are not hindered.

Laboratory

Provide water supply and drain for owner-provided beverage station.

Provide a trough-type floor drain with grate, 18" x 24" x 8" deep, located at the braising pan. Provide one (1) pre-rinse unit near the dishwasher, with a spray arm and garbage disposal. Provide one (1) three-compartment stainless steel pot sink with spray arm, faucet, and garbage disposal.

Provide one (1) double stainless steel sink with a garbage disposal.

Provide three (3) wall-mounted hand wash sinks, dispersed among the work areas, in accordance with PCSB plumbing standard.

Material Storage Room

Provide an 80 gallon water heater, rapid recovery type, to serve the Culinary Arts Laboratory only.

Provide water supply and drainage for the owner-provided washing machine. Provide one (1) mop sink.

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory and Multi-Purpose Classroom.

Provide six (6) data outlets with adjacent power outlets in the Laboratory, in accordance with the General Design Requirements section and PCSB standards.

Provide two (2) data outlets with adjacent power outlets in the Multi-Purpose Classroom, in accordance with the General Design Requirements section and PCSB standards.

Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Multi-Purpose Classroom, in accordance with PCSB standards.

11. Electrical

Laboratory

Provide two (2) duplex outlets mounted in a 4" square x 36" high stainless steel tube, located at each end of the hood for use with Owner-provided mobile equipment.

Provide a master disconnect switch for all cooking (not refrigerated) equipment, located near the main door.

Provide duplex outlets above all countertops and above worktables which are located at walls. Outlets are not to be provided in the backsplashes of the worktables.

Provide duplex outlets, turned horizontal and mounted at 4" above the floor to the top, located at each end of each freestanding worktable.

Provide power for the owner-provided clothes dryer.

Multi-Purpose Classroom

Provide two (2) 220V outlets for future portable food serving units.

12. Gas and Air

Provide as appropriate for commercial cooking equipment.

13. Safety

Provide a bracket-mounted fire extinguisher, located near the cooking equipment.

14. Fencing

Not applicable.

15. Service Drives

Not applicable

16. Parking

Not Applicable

17. Contractor-Provided Equipment and Casework

General Note

All cooking equipment is to be natural gas, if available. Electric equipment is to be used if natural gas is not available.

Laboratory

Provide one (1) stainless steel work table, to include the double sink, 3/4 hp garbage disposal with safety switch, and one (1) 3-tier drawer unit.

Provide one (1) dishwasher, commercial type, with rinse station, soiled and clean dish tables (min 36" each side), booster heater and 2 hp garbage disposal with safety switch. Provide one (1) tilting braising pan with support stand and filler.

Provide (1) double convection oven.

Provide (2) 60" wide commercial range, with six (6) burners, two (2) ovens, grill and broiler.

Provide (1) 44" wide steam table with sneeze guard and drain, and three (3) hot food wells.

Provide (1) 58" wide cold serving unit with sneeze guard and drain.

Provide (1) 24" wide char broiler with stand.

Provide (1) 450 lb. icemaker with bin, commercial type.

Multi-Purpose Classroom

Provide one (1) storage cabinet, 48" wide x 24" deep x 84" high, with eight (8) 6" deep drawers on the bottom and a lockable cabinet with three (3) adjustable shelves on top.

Provide two (2) general storage cabinets, in accordance with PCSB standards.

18. Contractor-Provided Instructional Aids

Multi-Purpose Classroom

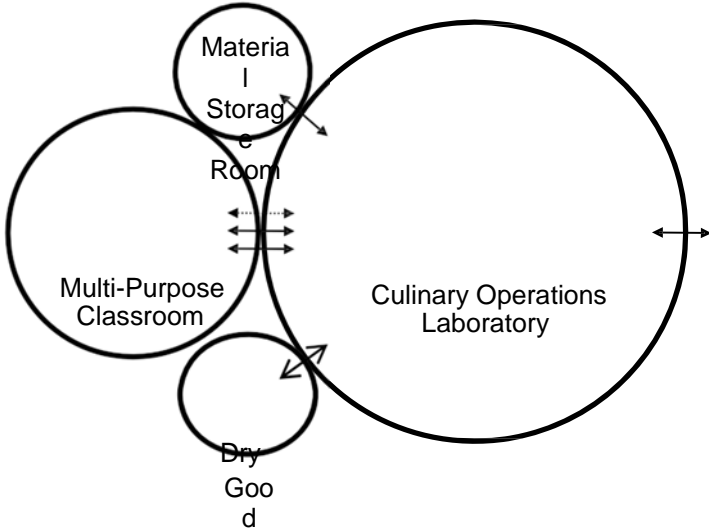
Provide a 12' wide x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.

Provide a wall-mounted video projector in accordance with PCSB standards.

19. Other Considerations

The Laboratory is to be located on the ground level.
Provide aisles between all equipment, minimum of 3'-6" wide, to allow for dish truck passage. The layout of the Laboratory must provide the Instructor with a clear view of all areas.

SPACE
RELATIONSHIPS



INTERIOR DESIGN

August 21, 2015

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

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 exhaust for the owner-provided clothes dryer in 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

Standard, in accordance with the General Design Requirements section.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Standard, in accordance with the General Design Requirements section.

8. Doors

Standard, in accordance with the General Design Requirements section.

9. Water

Laboratory

Provide one (1) sink with hot and cold water, minimum 10" depth required. Provide one (1) laundry tub with hot and cold water.

Provide water supply and drainage for the owner-provided washing machine.

10. Communications

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

Provide six (6) floor boxes in the Laboratory, each containing a quadraplex data and quadraplex power outlet, located as directed, in accordance with the General Design Requirements section and PCSB standards.

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

11. Electrical

Provide six (6) floor boxes, spaced on approximately a four (4) foot grid on one side of the Laboratory, each containing a quadraplex data and quadraplex power outlet, in accordance with the General Design Requirements section and PCSB standards.

Provide four (4) duplex outlets above the countertop.

Provide power for the owner-provided clothes dryer in the Laboratory.

12. Gas and Air

Not Applicable

13. Safety

Provide a fire extinguisher in a recessed cabinet in the Laboratory.

14. Fencing

Not Applicable

15. Service Drives

Not Applicable

16. Parking

Not Applicable

17. Contractor-Provided Equipment and Casework

Laboratory kitchen area

Provide two (2) storage cabinets, 36" wide x 24" deep x 84" high, with 36" high closed base cabinet on the bottom and two (2) open adjustable shelves above.

Provide one (1) lockable storage cabinet, 72" wide x 24" deep x 84" high, with a 36" high closed base cabinet on the bottom and a hanging rod and fixed shelf at the top.

Provide three (3) linear feet of base cabinet, to include the sink and one (1) adjacent bank of graduated drawers, countertop to be 36" above the floor.

Provide three (3) kneespaces, 36" wide x 30" high, with lockable pencil drawer. At one kneespace provide a 36" wide x 48" high pegboard mounted above.

Provide lockable wall cabinets above the owner-provided washer and dryer.

Provide four (4) lockable tote tray storage cabinets, 24" wide x 24" deep x 84" high, with twelve (12) fixed shelves and center divider, complete with tote trays. Tote trays are to be 10 1/2" wide x 19" long x 3 1/2" high, molded plastic.

Material Storage Room

Provide two (2) general storage cabinets, in accordance with PCSB standard detail.

Provide one (1) unit of floor-supported library-type shelving, 36" wide x 24" deep x 90" high,

with five (5) adjustable shelves.

18. Contractor-Provided Instructional Aids

Laboratory

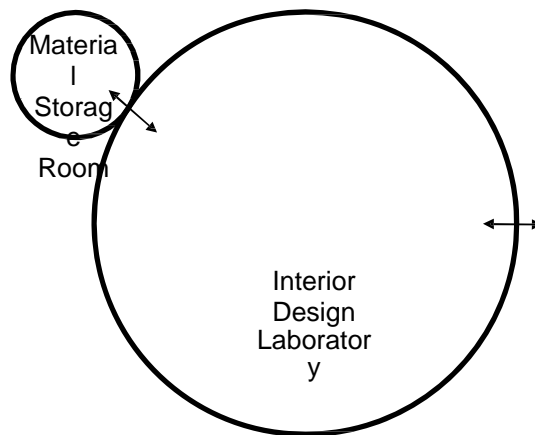
Provide a 12' wide x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.

Provide a wall-mounted video projection system in accordance with PCSB standards.

19. Other Considerations

The Laboratory is to be provided with convenient access to the parking lot to facilitate the delivery of materials and supplies to the Laboratory.

SPACE
RELATIONSHIPS



PRINCIPLES OF DRAFTING TECHNOLOGY

August 20, 2015

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

Standard, in accordance with the General Design Requirements section.

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

Standard, in accordance with the General Design Requirements section.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Standard, in accordance with the General Design Requirements section.

8. Doors

Standard, in accordance with the General Design Requirements section.

9. Water

. Standard, in accordance with the General Design Requirements section.

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 PCSB standards.

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

11. Electrical

Provide a duplex outlet at each Owner-provided student workstation in the Laboratory.

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 six (6) 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.

Material Storage Room

Provide four (4) general storage cabinets, in accordance with PCSB standards.

18. Contractor-Provided Instructional Aids

Laboratory

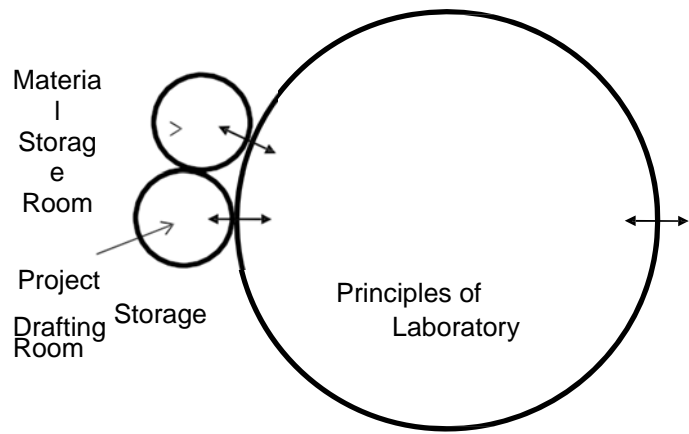
Provide a 12' wide x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.

Provide a wall-mounted video projection system in accordance with PCSB standards.

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.

SPACE
RELATIONSHIPS



COMMUNICATION TECHNOLOGY

August 20, 2015

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 Audio/Video Production Room
- 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

Standard, in accordance with the General Design Requirements section.

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

Standard, in accordance with the General Design Requirements section.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Provide an observation window, the entire length of the wall, from the Laboratory into the Audio/Video Production Room.

8. Doors

Standard, in accordance with the General Design Requirements section.

9. Water

Standard, in accordance with the General Design Requirements section.

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory.
Provide data outlets with adjacent power outlets in the Laboratory and in the AV/Video Production Room, number as directed, in accordance with the General Design Requirements section and PCSB standards.
Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Laboratory, in accordance with PCSB standards.

11. Electrical

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

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 six (6) linear feet of base and wall cabinets, to include the sink and one (1) adjacent bank of lockable 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 PCSB standards.

Project Storage Room

Provide five (5) general storage cabinets, in accordance with PCSB standards.

18. Contractor-Provided Instructional Aids

Laboratory

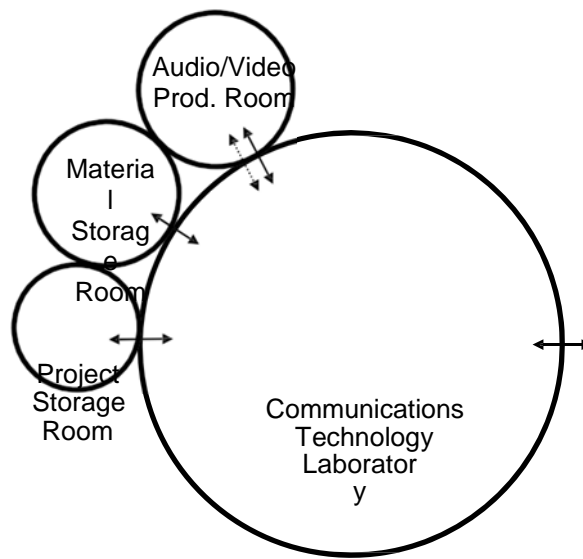
Provide a 12' wide x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.
Provide a wall-mounted video projection system in accordance with PCSB standards.

19. Other Considerations

Locate the Communication Technology Laboratory adjacent to the Technology Studies Laboratory, where provided.
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.

SPACE
RELATIONSHIPS



PRODUCTION TECHNOLOGY

August 20, 2015

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 or a removable 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 PCSB standards.

Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Laboratory, in accordance with PCSB 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 PCSB 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 video projection system in accordance with PCSB standards.

19. Other Considerations

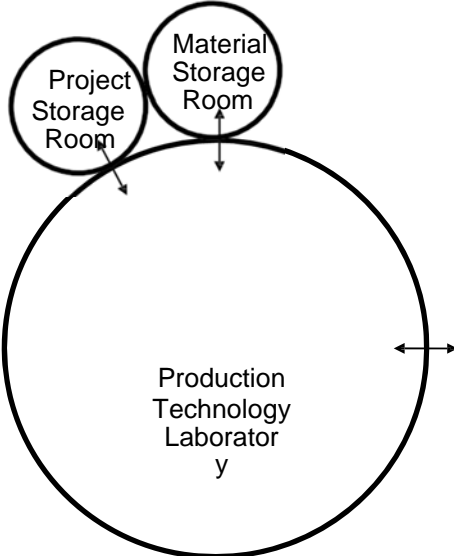
In the Laboratory the Owner will provide a total of 24 computer workstations. The type of

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



Building and Construction Technologies
August 20, 2015

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 Tool Storage Room
- 1 Related Classroom
- 1 Teacher Planning Area
- 1 Outside Covered Project Area

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

Provide sealed concrete in the Laboratory and Storage Rooms.

Provide sealed concrete in the Outside Covered Project Area, adequately sloped to drain.

Provide painted non-skid zone boundary lines around all Owner-provided equipment.

4. Walls

Provide chain link fence partitions (all metal construction) to fully enclose the Material Storage Room and Tool Storage Room.

5. Ceiling

Provide an 18' high ceiling in the Laboratory.

Provide 25' clear height in the Outside Covered Project Area. The roof/ceiling structure is to extend out past the concrete slab a minimum of 2' on all exposed sides.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Provide windows in the Laboratory, sill height to be minimum 5' above the floor.

Provide a half-glass door from the Teacher Planning Area into the Laboratory.

Provide an observation window, 3' wide x 4' high, from the Teacher Planning Area into the Related Classroom, sill height to be 36" above the floor.

Provide an observation window, 12' wide x 4' high, from the Related Classroom into the

Laboratory, sill height to be 36" above the floor.

8. Doors

In addition to a standard single door, provide an overhead roll-up door, 12' wide x 10' high (manually operated), between the Laboratory and the Outside Covered Project Area. Provide a wire dutch-type door from the Laboratory into the Tool Storage Room.

Provide a 4' wide wire mesh door from the Laboratory into the Material Storage Room.

9. Water

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

Provide one (1) semi-circular wash station with three (3) faucets in the Laboratory.

Provide an electric water cooler in the general vicinity of the Laboratory.

Provide one (1) hose bib and floor drains, number as required, in the Outside Covered Project Area.

10. Communications

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

Provide a clock and speaker (no intercom handset) in the Teacher Planning Area.

Provide a data outlet with adjacent power outlet in the Laboratory, Related Classroom, and Teacher Planning Area, in accordance with the General Design Requirements section and PCSB standards.

Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Laboratory and Related Classroom, in accordance with PCSB standards.

11. Electrical

Laboratory

Provide a duplex outlet at each Owner-provided student workbench and/or student workstation.

Provide power poles if required, located as directed.

Provide convenience outlets 10'-0" apart on three (3) walls.

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 two (2) master disconnect switches to shut down all receptacles, located so as to be easily accessible to the teacher. Provide a keyed reset mounted adjacent to each master disconnect switch.

Provide 240v outlets as required for equipment and located as directed.

Outside Covered Project Area

Provide 120v, 20amp weatherproof outlets, number as required, located around the walls and on the support columns.

12. Gas and Air

Provide one (1) compressed air outlet on each wall of the Laboratory, 120 psi, 10cfm, with one pressure regulator and dryer for each outlet.

13. Safety

Standard, in accordance with the General Design Requirements section.

14. Fencing

Provide a 6' high chain link fence to enclose the Outside Covered Project Area, with a 12' wide rolling gate.

15. Service Drives

Provide a service drive from a main driveway or parking lot to the Outside Covered Project Area, for delivery of materials.

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratory

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

Tool Storage Room

Provide a pegboard, 20' long x 5' high, bottom to be mounted 36" above the floor. The pegboard is to be mounted so as to provide a minimum of 1/2" clearance between the back of the pegboard and the wall.

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 video projection system in accordance with PCSB standards.

19. Other Considerations

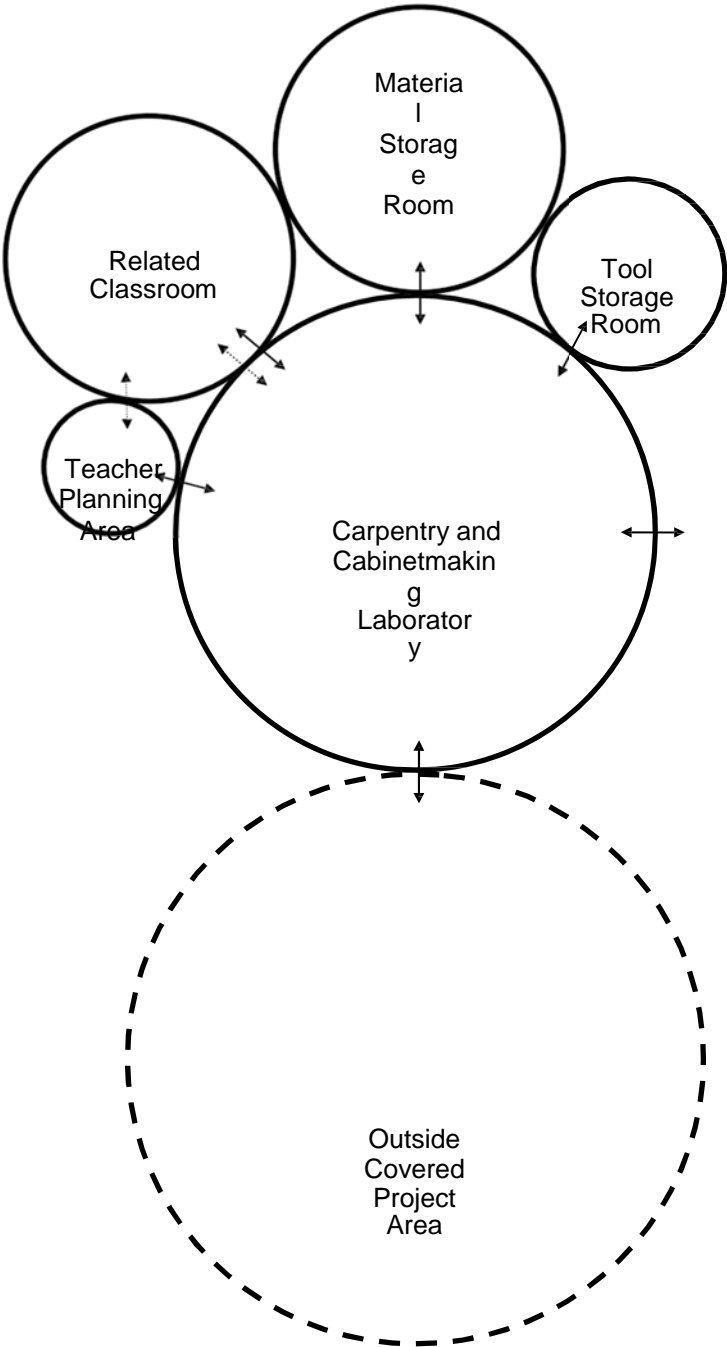
In the Laboratory the Owner will provide student workbenches and may provide student workstations (i.e. computer). The quantity, type of workbenches and workstations and the configuration will vary depending on the program and the design of the space.

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.

The Outside Covered Project Area is to be a square area (approximately).

SPACE RELATIONSHIPS



Carpentry
4

AUTOMOTIVE SERVICE TECHNOLOGY

August 20, 2015

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 Tool Storage Room
- 1 Flammable Storage Room
- 1 Project Storage Room
- 1 Related Classroom
- 1 Teacher Planning Area
- 1 Exterior Covered Parking/Work Area

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 exhaust system in the Laboratory, capable of removing fumes generated by test engines and vehicles.

2. Acoustical

Standard, in accordance with the General Design Requirements section.

3. Floor

Provide epoxy coated concrete floor (color to be determined in design) in the Laboratory and Storage Rooms. The Laboratory floor should be adequately sloped to the floor drains.

Provide painted non-skid zone boundary lines around all Owner-provided equipment.

4. Walls

Provide a high gloss glazed, oil resistant wall coating in the Laboratory.

Provide chain link fence partitions (all metal construction) to fully enclose the Material Storage Room, Tool Storage Room, and Project Storage Room.

5. Ceiling

Provide a 16' high ceiling in the Laboratory.

Provide a 10' high ceiling in the Storage Rooms.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Provide windows in the Laboratory, sill height to be minimum 5' above the floor.

Provide a half-glass door from the Teacher Planning Area into the Laboratory.

Provide an observation window, 3' wide x 4' high, from the Teacher Planning Area into the Related Classroom, sill height to be 36" above the floor.

Provide an observation window, 12' wide x 4' high, from the Related Classroom into the Laboratory, sill height to be 36" above the floor.

8. Doors

In addition to a standard single door, provide an overhead roll-up door, 12' wide x 10' high (manually operated), from each service bay (number as required) to the Exterior Parking/Work Area.

Provide a wire dutch-type door from the Laboratory into the Tool Storage Room.

Provide 4' wide wire mesh doors from the Laboratory into the Material Storage Room, and from the Laboratory into the Project Storage Room.

Provide 4' wide wire mesh doors from the Material Storage Room into the Tool Storage Room, and from the Project Storage Room into the Tool Storage Room.

9. Water

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

Provide one (1) semi-circular wash station with three (3) faucets.

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

Provide an electric water cooler in the general vicinity of the Laboratory.

Provide one (1) hose bib and floor drains, number as required, in the Laboratory.

10. Communications

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

Provide a clock and speaker (no call-in handset) in the Teacher Planning Area.

Provide a data outlet with adjacent power outlet in the Laboratory, Related Classroom, and Teacher Planning Area, in accordance with the General Design Requirements section and PCSB standards.

Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the related classroom, in accordance with PCSB standards.

11. Electrical

Laboratory

Provide a duplex outlet at each Owner-provided student workbench and/or student workstation.

Provide power poles if required, located as directed.

Provide convenience outlets 10'-0" apart on three (3) walls.

Provide wall mounted electrical outlets as required to serve freestanding power tools and equipment.

Provide two (2) master disconnect switches to shut down all receptacles, located so as to be easily accessible to the teacher. Provide a keyed reset mounted adjacent to each master disconnect switch.

Provide 120v, cord reels with service light and three-prong outlet between each service bay.

Provide duplex electrical outlet between each roll-up door opening.

Provide 120v outlets at an appropriate amperage to operate stationary equipment, located as directed.

Provide 240v outlets as needed, located as directed.

12. Gas and Air

Provide compressed air outlets as needed to operate stationary equipment, 120 psi, 10cfm, with pressure regulator and dryer at the compressor.

Provide compressed air hose reels between each service bay in proximity to operate air tools around service lifts..

13. Safety

Standard, in accordance with the General Design Requirements section.

14. Fencing

Provide a 6' high chain link fence to enclose the Exterior Parking/Work Area with a 12' wide rolling gate.

15. Service Drives

Provide a driveway from the main parking lot to the Exterior Parking/Work Area.

Provide convenient access from the driveway to the overhead roll-up door to facilitate delivery of materials.

16. Parking

Provide an Exterior Parking/Work Area for twelve (12) cars adjacent to the Laboratory.

17. Contractor-Provided Equipment and Casework

Laboratory

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

Provide at least three (3) 9000 lb capacity, clear floor, asymmetric, full-height, above-ground vehicle lifts. The services necessary to make the lifts fully functional are to be provided (electrical, compressed air, etc.). Due to clearance requirements, vehicle lifts are not to be installed in adjacent service bays,

Provide one (1) 4-wheel alignment rack and diagnostic module. The services necessary to make the rack and module fully functional are to be provided (electrical, compressed air, etc.).

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.

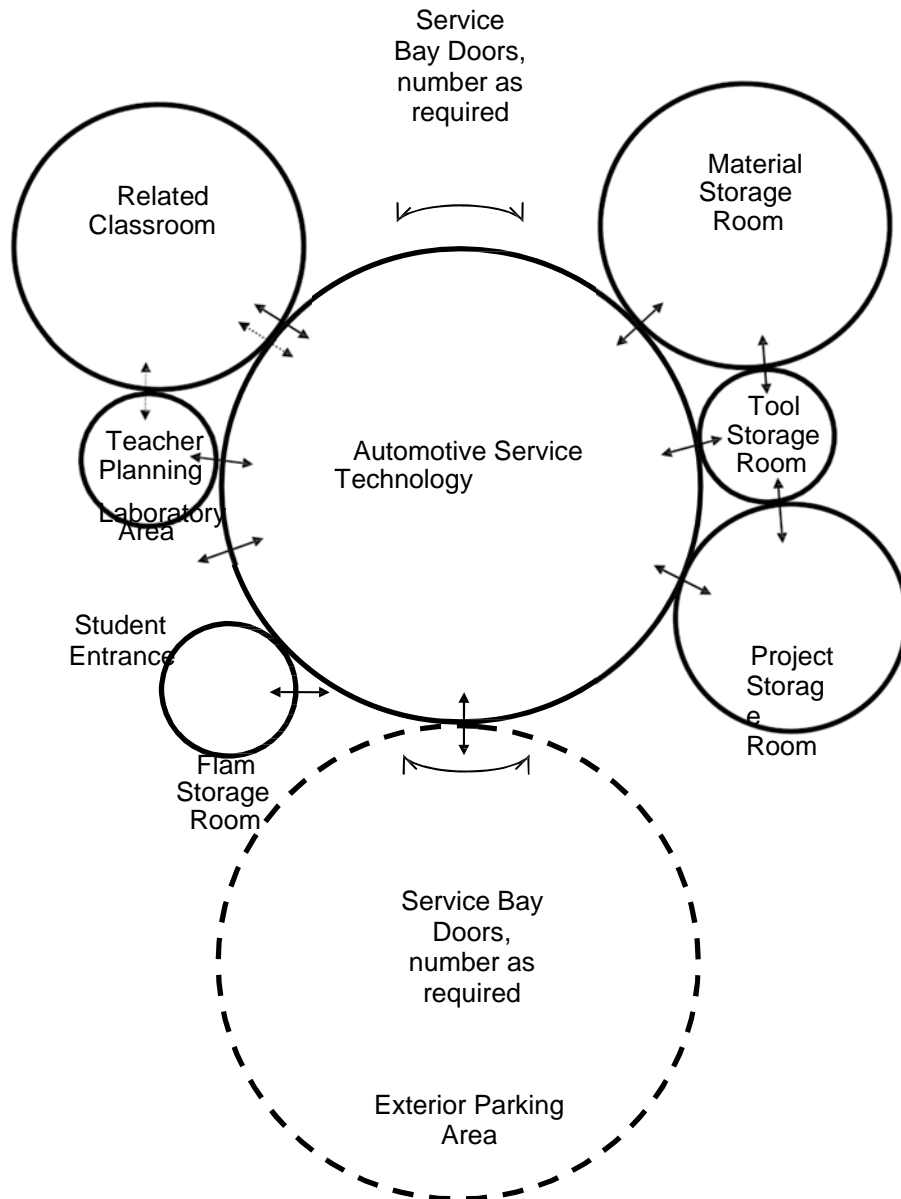
Provide a wall-mounted video projection system in accordance with PCSB standards.

19. Other Considerations

In the Laboratory the Owner will provide student workbenches and may provide student workstations (i.e. computer). The quantity, type of workbenches and workstations 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



COMMERCIAL VENTILATION, A/C & REFRIGERATION TECHNOLOGY

August 20, 2015

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 Tool Storage Room
- 1 Project Storage Room
- 1 Related Classroom
- 1 Teacher Planning Area

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

Standard, in accordance with the General Design Requirements section.

2. Acoustical

Standard, in accordance with the General Design Requirements section.

3. Floor

Provide sealed concrete in the Laboratory and Storage Rooms. The Laboratory floor should be adequately sloped to the floor drains.

4. Walls

Provide chain link partitions (all metal construction) to fully enclose the Material Storage Room, Tool Storage Room, and Project Storage Room.

5. Ceiling

Provide an 18' high ceiling in the Laboratory.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Provide windows in the Laboratory, sill height to be minimum 5' above the floor.

Provide a half-glass door from the Teacher Planning Area into the Laboratory.

Provide an observation window, 3' wide x 4' high, from the Teacher Planning Area into the Related Classroom, sill height to be 36" above the floor.

Provide an observation window, 12' wide x 4' high, from the Related Classroom into the Laboratory, sill height to be 36" above the floor.

8. Doors

In addition to a standard single door, provide an overhead roll-up door, 12' wide x 10' high (manually operated), to the Laboratory,
Provide a wire dutch-type door from the Laboratory into the Tool Storage Room.
Provide 4' wide wire mesh doors from the Laboratory into the Material Storage Room, and from the Laboratory into the Project Storage Room and from the Laboratory into the Tool Storage Room

9. Water

Provide one (1) wall mounted sink with cold water in the Laboratory.
Provide one (1) semi-circular wash station with three (3) faucets.
Provide one (1) pull-cord emergency shower with eyewash, in accordance with PCSB standards.
Provide an electric water cooler in the general vicinity of the Laboratory.
Provide one (1) hose bib and floor drains, number as required, in the Laboratory.

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory and Related Classroom.
Provide a clock and speaker (no intercom handset) in the Teacher Planning Area.
Provide a data outlet with adjacent power outlet in the Laboratory, Related Classroom, and Teacher Planning Area, in accordance with the General Design Requirements section and PCSB standards.
Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Related Classroom, in accordance with PCSB standards.

11. Electrical

Laboratory

Provide a duplex outlet at each Owner-provided student workbench and/or student workstation.
Provide power poles if required, located as directed.
Provide convenience outlets 10'-0" apart on three (3) walls.
Provide 110v, 20amp electrical cord reels, located as directed, in the Laboratory
Provide two (2) master disconnect switches to shut down all receptacles, located so as to be easily accessible to the teacher. Provide a keyed reset mounted adjacent to each master disconnect switch.
Provide two (2) 240v outlets for general use, located as directed.

12. Gas and Air

Provide one (1) compressed air outlet on each wall of the Laboratory, 120 psi, 10cfm, with one pressure regulator and dryer for each outlet.

13. Safety

Standard, in accordance with the General Design Requirements section.

14. Fencing

N/A

15. Service Drives

Provide a service drive from a main driveway or parking lot to the Outside Covered Project Area, for delivery of materials.

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratory

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

Tool Storage Room

Provide a pegboard, 20' long x 5' high, bottom to be mounted 36" above the floor. The pegboard is to be mounted so as to provide a minimum of 1/2" clearance between the back of the pegboard and the wall.

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 video projection system in accordance with PCSB standards.

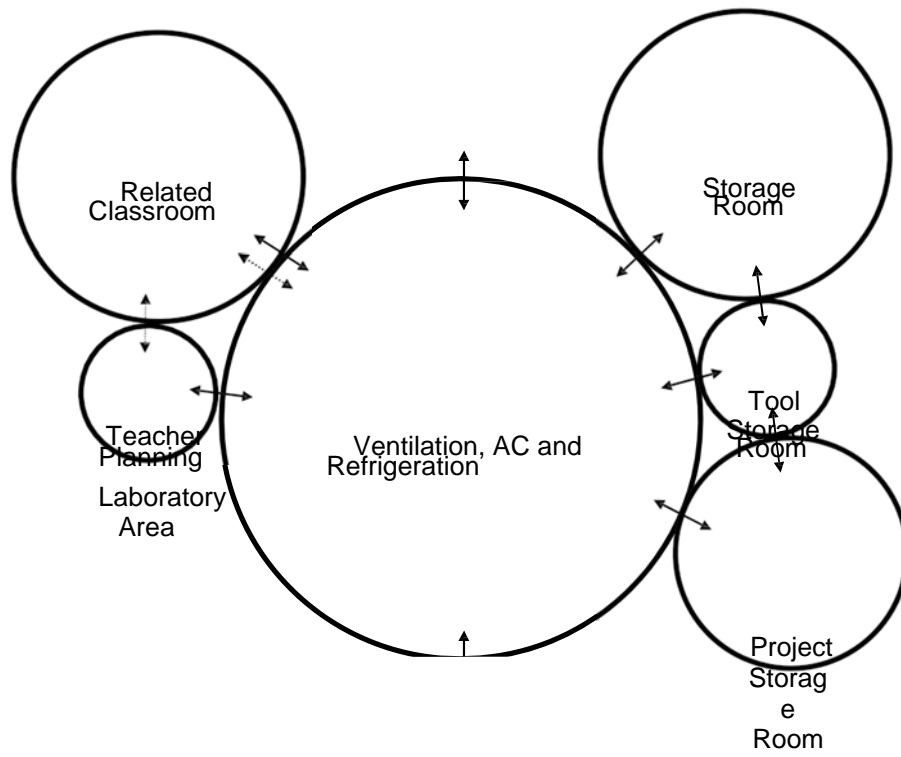
19. Other Considerations

In the Laboratory the Owner will provide student workbenches and may provide student workstations (ie computer). The quantity, type of workbenches and workstations 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



ELECTRICAL TRADES

August 20, 2015

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 Tool Storage Room
- 1 Project Storage Room
- 1 Related Classroom
- 1 Teacher Planning Area

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

Standard, in accordance with the General Design Requirements section.

2. Acoustical

Standard, in accordance with the General Design Requirements section.

3. Floor

Provide sealed concrete in the Laboratory and Storage Rooms. The Laboratory floor should be adequately sloped to the floor drains.

4. Walls

Provide chain link partitions (all metal construction) to fully enclose the Material Storage Room, Tool Storage Room, and Project Storage Room.

5. Ceiling

Provide an 18' high ceiling in the Laboratory.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Provide windows in the Laboratory, sill height to be minimum 5' above the floor.

Provide a half-glass door from the Teacher Planning Area into the Laboratory.

Provide an observation window, 3' wide x 4' high, from the Teacher Planning Area into the Related Classroom, sill height to be 36" above the floor.

Provide an observation window, 12' wide x 4' high, from the Related Classroom into the Laboratory, sill height to be 36" above the floor.

8. Doors

In addition to a standard single door, provide an overhead roll-up door, 12' wide x 10' high (manually operated), to the Laboratory,
Provide a wire dutch-type door from the Laboratory into the Tool Storage Room.
Provide 4' wide wire mesh doors from the Laboratory into the Material Storage Room, and from the Laboratory into the Project Storage Room and from the Laboratory into the Tool Storage Room

9. Water

Provide one (1) wall mounted sink with cold water in the Laboratory.
Provide one (1) semi-circular wash station with three (3) faucets.
Provide one (1) pull-cord emergency shower with eyewash, in accordance with PCSB standards.
Provide an electric water cooler in the general vicinity of the Laboratory.
Provide one (1) hose bib and floor drains, number as required, in the Laboratory.

10. Communications

Provide a clock, speaker and intercom handset in the Laboratory and Related Classroom.
Provide a clock and speaker (no intercom handset) in the Teacher Planning Area.
Provide a data outlet with adjacent power outlet in the Laboratory, Related Classroom, and Teacher Planning Area, in accordance with the General Design Requirements section and PCSB standards.
Provide a TV bracket with DVD bracket, CCTV jack, and adjacent power outlet in the Related Classroom, in accordance with PCSB standards.

11. Electrical

Laboratory

Provide a duplex outlet at each Owner-provided student workbench and/or student workstation.
Provide power poles if required, located as directed.
Provide convenience outlets 10'-0" apart on three (3) walls.
Provide 110v, 20amp electrical cord reels and outlets, located as directed, in the Laboratory
Provide two (2) master disconnect switches to shut down all receptacles, located so as to be easily accessible to the teacher. Provide a keyed reset mounted adjacent to each master disconnect switch.
Provide two (2) 240v outlets for general use, located as directed.

12. Gas and Air

Provide one (1) compressed air outlet on each wall of the Laboratory, 120 psi, 10cfm, with one pressure regulator and dryer for each outlet.

13. Safety

Standard, in accordance with the General Design Requirements section.

14. Fencing

N/A

15. Service Drives

Provide a service drive from a main driveway or parking lot to the Outside Covered Project Area, for delivery of materials.

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratory

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

Tool Storage Room

Provide a pegboard, 20' long x 5' high, bottom to be mounted 36" above the floor. The pegboard is to be mounted so as to provide a minimum of 1/2" clearance between the back of the pegboard and the wall.

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 video projection system in accordance with PCSB standards.

19. Other Considerations

In the Laboratory the Owner will provide student workbenches and may provide student workstations (ie computer). The quantity, type of workbenches and workstations 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

