

**PROVINCE OF NOVA SCOTIA
DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL**

DTIR Document DC350

PART 2

**EDUCATIONAL FACILITIES
DESIGN REQUIREMENTS**

Section 3

Room Data Sheets

2010 EDITION

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DC 350, Part 2 is not intended to be a complete architectural, mechanical or electrical specification for a school project. Such a complete specification must be written for each project by the Project Consultant.

This section, in conjunction with DC 350, Part 1 and the remainder of Part 2 and Associated Appendices, does specify, in outline form, the minimum acceptable standards for school components.

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TYPICAL CLASSROOM	
Size	As Per Program
Activities	1 Whole class activity/small activity groups/individual study.
Doors	<p>1 Interconnecting door between pairs of adjoining classrooms. Where there is an odd number of classrooms in a corridor, a group of 3 classrooms shall be interconnected to ensure that no classroom is completely devoid of a connecting door to an adjoining classroom. Interconnecting door is not required where there is a connecting Small Group Work Room between classrooms.</p> <p>2 Viewing lites</p> <p>2.1 <u>Elementary</u> Classroom entrance door to contain TWO viewing lights, located over and under and sized a minimum of 8" x 30" height (tempered glazing).</p> <p>2.2 <u>Middle and High school</u> classroom entrance door to contain ONE viewing light, a minimum of 8" x 30" in height.</p>
Movable Walls	N/A
Acoustical Separation	1 Acoustical separation between adjacent spaces minimum STC 42
Equipment and Furnishings	<p>1 Communication Boards:</p> <p>1.1 48 SF on front wall (1 panel)</p> <p>1.2 16 SF on side wall (1 panel)</p> <p>1.3 Note: Bottoms of board to be mounted so that the height from the finished floor to the bottom trim is 36" (Grade 2-12) (P. & 1 main Board 24" A.F.F.)</p> <p>2 Tackboards:</p> <p>2.1 One foot high strip above communication boards (P-1 classrooms only)</p> <p>2.2 Total of 48 SF distributed on other walls</p> <p>3 Front Projection Screens: as per Part 2, Section 2 11130</p> <p>4 Room darkening window treatment for all exterior windows.</p>

TYPICAL CLASSROOM		
Casework	1	12'-0" total length, divided into 4 units of equal length. (see Appendix C, ASK 13)
	2	Base cabinet counter heights:
	2.1	Primary learning spaces to have counters at 24" A.F.F. With a sink in Unit Two (see below). See Primary Classroom Room Data Sheet for barrier free provisions.
	2.2	Grades 1and 2 learning spaces to have counters at 32" A.F.F. with barrier free sink in Unit Two, open below with removable protective panel.
	2.3	for Grades 3 to 6 learning spaces to have counters at 32" A.F.A. with no sink. Unit Two to be modified to include two fixed shelves and 2 doors.
	2.4	Grades 6 to 12 learning spaces to have counters at 34" A.F.A. with no sink. Unit Two to be modified to include two fixed shelves and 2 doors.
	3	Top of tall or upper cabinets to be 7'-0" A.F.F.
	4	Typical upper cabinets to be 12" clear inside x 32" high containing one fixed and one adjustable shelf. The upper cabinets are to be mounted 16" above the counter top for 34" counter height base.
	5	Provide the following:
	5.1	Unit One (see Appendix C, ASK-13a):
	5.1.1	A teacher's closet, divided into 2 sections., with horizontal and vertical storage and a coat hook on the inner side of the closet door. Each section to have one fixed shelf at mid-height and 4 adjustable shelves. The closet shall be lockable.
	5.2	Unit Two: (see Appendix C, ASK 13b)
	5.2.1	Base cabinet:
	5.2.1.1	(serving Grades 1and 2) - One counter 24" deep, counter heights as noted above, containing one barrier free sink, open below with removeable protective panel.
	5.2.1.2	(serving Primary and Grades 3 to 12 students) - One counter 24" deep, counter heights as noted above, and 2 fixed shelf and 2 doors.
	5.2.2	Upper cabinet - typical.
	5.3	Unit Three (see Appendix C, ASK-13c):
5.3.1	Base cabinet - One counter 24" deep and 4 fixed shelves.	
5.3.2	Upper cabinet - typical.	
5.4	Unit Four (see Appendix C, ASK-13d):	
5.4.1	Base of cabinet - Contains 2 lateral file drawers, lockable.	
5.4.2	Upper section of cabinet - closet style divided into two sections with 2 adjustable shelves at each side.	
6	Also provide in all P-6 classrooms / learning spaces:	
6.1	10 lineal feet of open shelving, 2'0" high with two adjustable shelves.	

TYPICAL CLASSROOM	
Finishes	<ol style="list-style-type: none"> 1 Floor: resilient tile 2 Walls: painted concrete block or painted fiber reinforced V.H.I. gypsum wallboard on all surfaces not protected by boards, cabinets, etc. for over 75% of the total wall area 3 Ceilings: acoustic tile (2 x 4). Typical Classroom ceilings are to be not less than 9'-0" high unless specified otherwise herein.
Mechanical	<ol style="list-style-type: none"> 1 One stainless steel ledge back sink, minimum bowl size 450 mm (18") wide x 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever (4" max) handles, basket strainer and waste (grades P-2 only). As noted above, Primary sink to be mounted at 24". Sinks in Grades 1 and 2 shall be mounted at the lower end of the barrier free height range.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 1 telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 1 dual data outlet at the teachers desk. 1.4 2 dual data outlets for general student use. 1.5 1 data outlet at the NIC projector location. 1.6 1 bi-directional CATV outlet at the teacher's desk. 1.7 1 multimedia outlet at the teacher's desk. This outlet will feed to the NIC projector location via media converters (NIC) per ESK -02 1.8 1 ceiling mounted powered 8 watt or better speaker and wiring to ceiling multimedia point with 3.5 mm stereo mini jack termination. 1.9 1 P.A. speaker in the ceiling. 1.10 Classroom sound amplification system (Elementary School Classrooms only) including: <ol style="list-style-type: none"> 1.10.1 One speaker in the ceiling. 1.10.2 Amplifier outlet for speaker wiring at teacher's workstation in locked cabinet.
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 1 duplex power outlet at the NIC projector location. 1.5 2 general duplex power outlets. 1.6 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.

PRIMARY CLASSROOM

As per Typical Classroom with the following additional requirements

Miscellaneous	1	A barrier-free washroom, accessed directly from the classroom
	1.1	Water closet shall have regular rim, closed front seat and flush tank . Wall mount preferable. Water closet shall be mounted at the lower end of the barrier free height range.
	1.2	Wall hung vitreous china lavatory, minimum size 510 mm (20") x 460 mm (18") faucet with indexed lever (4" max) handles, combination supply and waste, open strainer.
	2	Coat hooks
	2.1	In the corridor in immediate proximity of the Primary Classroom
	2.2	Refer to Appendix C, ASK-18 attached.
	3	Bottoms of communications boards to be mounted so that the height from the finished floor to the bottom trim is 24"

ARTS CLASSROOM (ELEMENTARY LEVEL)

As per Typical Classroom with the following additional requirements

Casework	1	Arts Storage Cabinet, see Appendix C, ASK - 16.
Mechanical	1	Two large single bowl stainless steel sinks, each sink bowl minimum size 900 mm (36") wide x 425 mm (17") deep, wall mounted faucets with integral stops, tubular swing spout, indexed lever (4" max) handles, basket strainer and waste, sediment interceptor. One of the sinks shall be barrier-free.

SMALL WORK GROUP AREA	
Size	As per Program
Activities	<ol style="list-style-type: none"> 1 A breakout activity room for up to ten learners, 2 This space may be broken into two or more smaller work areas at the school board's discretion. Half height window wall (6 ft. long) shall be provided between adjoining classrooms and small group work areas for visual control.
Doors	<ol style="list-style-type: none"> 1 A single leaf door to each adjoining classroom. A door to the corridor is not required. Viewing lites to be tempered glass. Frames to be installed to minimize loss of wall space.
Acoustical Separation	<ol style="list-style-type: none"> 1 As Per Typical Classroom
Equipment and Furnishings	<ol style="list-style-type: none"> 1 Communication Boards: 12 sq.ft. per 100 sq.ft. or part thereof of program area 2 Tackboards: 12 sq.ft. per 100 sq.ft. or part thereof of program area
Casework	<ol style="list-style-type: none"> 1 N/A
Finishes	<ol style="list-style-type: none"> 1 Floor: resilient tile or resilient sheet flooring. 2 Walls: painted concrete block or painted fiber reinforced V.H.I. gypsum wallboard on all surfaces not protected by boards, cabinets, etc. 3 Ceilings: acoustic tile (2 x 4).
Mechanical	<ol style="list-style-type: none"> 1 No special mechanical requirements.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 2 dual data outlets for classroom computer relocation and shared printer.
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 foot candles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet beside each single data outlet.

TEACHER STORAGE ROOM	
Size	As per program
Activities	1 Teacher storage of resource materials.
Doors	1 As per Typical Classroom. No Lite Required.
Acoustical Separation	N/A
Equipment and Furnishings	N/A
Casework	1 Open shelving, 2100mm (7 ft.) high with four (4) adjustable shelves per 900mm (3 ft.) sections. 2 Provide minimum 30 lineal feet of full height open shelving per 100 sq.ft. of program area.
Finishes	1 Floor: resilient tile or resilient sheet flooring 2 Walls: painted concrete block or painted fiber reinforced gypsum wallboard on all surfaces not protected by boards, cabinets, etc. 3 Ceilings: acoustic tile (2 x 4)
Mechanical	1 No special mechanical requirements.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Miscellaneous	N/A
Special Considerations	N/A

LEARNING SUPPORT	
Size	As per program
Activities	<ol style="list-style-type: none"> 1 Teaching learners with special needs in small groups or individually. 2 Complete Life Skills Area to include full Kitchen /Laundry facility as described below. 3 In Schools accommodating only Grades P - 6, Complete Life Skills Area for Learning Support is a requirement. 4 Where Family Studies exists within the program of a school, the Complete Life Skills Area is not a requirement, supply of Washer/Dryer and associated casework only.
Doors	<ol style="list-style-type: none"> 1 One solid non-transparent panel accordion style folding door to fully screen the kitchen/laundry area when not in use. Design kitchen / laundry area to limit loss of total floor space when accordion door is in use drawn. 2 A connecting door is required between Learning Support and the Assistive Care washroom.
Moveable Walls	1 N/A
Acoustical Separation	1 As Per Typical Classroom
Equipment and Furnishings	<ol style="list-style-type: none"> 1 Complete Life Skills Area to include: <ol style="list-style-type: none"> 1.1 front or side control ceramic cooktop range with oven 1.2 over range style microwave oven, 1.3 30" refrigerator/freezer, 1.4 double sink (see mechanical), 1.5 stackable clothes washer and dryer. 2 Communication Boards 3 Tackboards 4 Front Projection Screen 5 Room darkening window treatment for all exterior windows
Casework	<ol style="list-style-type: none"> 1 As per Typical Classroom 2 Laundry Unit a 4'-0" Barrier Free counter to be located beside washer / dryer. 3 Complete Life Skills Area Casework - 12 lineal feet of base and upper cabinet incorporating the range, microwave oven, a dishwasher, a 30" refrigerator/freezer, a double sink (see mechanical) 3.1 stackable clothes washer and a clothes dryer to be located within life skills area; optional location within Assistive Care Washroom. See ASK 4 4 Pantry Style Storage Unit. See Custom Cabinets 06410. 5 Built-in bookcases. See Custom Cabinets 06410. 6 Tray Storage Shelving. See Custom Cabinets 06410.
Finishes	1 Floor: Provide Vinyl Composite Tile flooring

LEARNING SUPPORT		
Mechanical	1	For the kitchen/laundry unit in the Complete Life Skills Area, provide one double bowl stainless steel barrier free ledge back sink, each bowl minimum size 350 mm (14") wide x 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever (4" max) handles, basket strainer and waste.
	2	Where the Complete Life Skills Area is not a requirement, provide one single bowl sink stainless steel barrier-free ledge back sink, minimum bowl size 450 mm (18") wide x 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever (4" max) handles, basket strainer and waste.
	3	Provide range hoods ducted to the outside.
Communications	1	As per Typical Classroom with exception of ceiling multimedia projector which is not provided.
Electrical	1	As per Typical Classroom except:
	1.1	The ability to turn off all the fluorescent lights and to provide 10 footcandles, average, maintained with incandescent recessed down lights on dimmers.
	1.2	Electrical connections as required for the kitchen/laundry appliances.
Miscellaneous	1	Equipment and Furnishings as noted for the kitchen/laundry area, refer to Part 2, Section 2, Division 10 and Division 11.
Special Considerations	1	This room should be located in the heart of the area of classroom clusters and not isolated to a remote location in the school.
	2	This room must be adjacent to the assistive care washroom
	3	Locate Room on the ground floor. In two-storey building – learning support rooms must be provided on both levels.
	4	Kitchen/laundry unit must be easily separated from the rest of the room. Solid panel accordion partition to be provided.
	5	For typical layout- refer to Appendix C, ASK - 4 attached.

RESOURCES ROOM		
Size	1	As per program (recommended minimum 500sf) located near classroom area. Designated to allow wheelchair movement within room.
Activities	1	programming and services for students with special needs - individual and small group
	2	Teacher /Parent conferences
	3	Program Planning team meetings
	4	Work area for creation of resource materials
	5	Storage of resource materials
Doors		Must accommodate wheelchairs

RESOURCES ROOM	
Acoustical Separation	
Equipment and Furnishings	<ul style="list-style-type: none"> 1 Bulletin board for instructional use (8-12 linear feet) 2 White boards (12 linear feet each) 3 Fixed screen for AV projector 4 Built-in locking cabinet 5 Bookshelves (27 linear feet minimum) 6 Student work tables accessible to wheelchairs
Casework	
Finishes	As per typical classroom
Mechanical	As per standards
Communications	As per typical Classroom
Electrical	As per typical Classroom
Miscellaneous	<ul style="list-style-type: none"> 1 Access to assistive care washroom 2 Window for natural light and equipped with blinds capable of blocking light while balancing safety concerns
Special Considerations	An area for sensory programming, physio or occupational therapy may be required.

ASSISTIVE CARE WASHROOM	
Size	As per program
Activities	<ul style="list-style-type: none"> 1 Independent use by Learners with special needs 2 Assisted use 3 Showering
Doors	1 A connecting door is required to the learning support room, and the corridors.
Moveable Walls	N/A
Acoustical Separation	1 Separation from adjacent spaces, minimum STC 48
Equipment and Furnishings	<ul style="list-style-type: none"> 1 Adult Changing Table, see Part 2, Section 2, Div 12 2 Grab bars as required for independent use of space by learners with special needs. <ul style="list-style-type: none"> 2.1 About water closet, with fold away type on both sides of WC. 2.2 Horizontal bar at rear of water closet and "L" bar (horizontal and vertical run) at side of water closet.

ASSISTIVE CARE WASHROOM	
Casework	<ol style="list-style-type: none"> 1 Vanity minimum of 4ft. in length with 24" depth. 2 Tote Storage Unit: Refer to Appendix C, ASK - 4 and ASK- 15
Finishes	<ol style="list-style-type: none"> 1 Floor: Ceramic tile 2 Walls: Ceramic tile, bottom half wall height; water based epoxy paint, top half wall 3 Ceiling: Drywall, painted.
Mechanical	<ol style="list-style-type: none"> 1 Countertop lavatory, barrier free, stainless steel, minimum size 480 mm (19") wide x 400 mm (16") deep, faucet with indexed lever (4" max) handles, combination supply and waste, open strainer. 2 Water closet shall be barrier free, wall mounted with elongated rim and manual flush valve. 3 Barrier free shower closet complete with flip down shower bench seat. Shower shall be barrier free, detachable hand spray unit with flexible metal hose, minimum 600 mm (24") slide bar, shower valve shall be pressure balanced actuated element, integral stops, lever handle. 4 Exhaust airflow rate (air changes) shall be twice that normally provided for other washrooms.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 1 P.A. speaker in the ceiling. 1.2 One emergency pull cord station.
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 G.F.I. duplex power outlet at the sink/mirror.
Miscellaneous	N/A
Special Considerations	<ol style="list-style-type: none"> 1 Locate adjacent to the learning support room. 2 Room must be accessible from the corridor. 3 Provide sufficient space beside the water closet to allow for two assistants, one each side.

LEARNING RECOVERY ROOM	
Size	As Per Program

LEARNING RECOVERY ROOM		
Activities	1	Learning Recovery provides one on one (teacher and student) application. This Learning Area MUST be located with provision for natural light when not incorporated with Learning Recovery Training Centre
	2	Provide for schools containing Elementary level learning.
Doors	1	As per Typical Classroom.
	2	Corridor access to be provided.
Acoustical Separation	1	As per Typical Classroom.
Equipment and Furnishings	1	Communication Board 12 sq ft.
	2	Drapes to be provided for one way glass system to screen area when not in observation use when it is incorporated with a Learning Recovery Training Centre.
Casework	1	When no Learning Recovery Training Centre is included in program, provide casework in Learning Recovery Room as per Learning Recovery Training Centre Room Data Sheet.
Finishes	1	Floor: resilient tile or resilient sheet flooring
	2	Walls: painted concrete block or painted fiber reinforced gypsum wallboard on all surfaces not protected by boards, cabinets, etc.
	3	Ceilings: acoustic tile (2 x 4)
Mechanical	1	No special mechanical requirements.
Communications	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	1 dual data outlet.
Electrical	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	Lighting shall be 50 footcandles, average, maintained with multi-level switching.
	1.2	2 general duplex power outlets.
	1.3	2 duplex power outlets beside each dual data outlet.
Miscellaneous	N/A	
Special Considerations	1	To be coordinated with design of Learning Recovery Training Room for teacher use. Refer to Room Data Sheet for Learning Recovery Training Room.
	2	Corridor access to be provided.
	3	Learning Recovery Room to be located near Grade 1 classrooms.

LEARNING RECOVERY TRAINING CENTRE (STUDENT SERVICES)	
Size	As per program.
Activities	1 To provide training facilities for teacher's and observation of one on one (teacher/ student) consultation. Space to be coordinated with the design of the Learning Recovery Room.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 Communication Board 16 sq. ft. 2 48" X 96" long mounted 25" A.F.F. one way glass, between this room and Learning Recovery Room, suitable to tilt one pane or provide triple glazing to ensure reduction in acoustic transmission through glass area and intercom system. 3 Room darkening blinds. 4 Interior blinds suitable to screen the two-way glass controlled from viewing side. 5 Audio sound system c/w PMZ microphone, amplifier and 2 speaker system
Casework	1 Barrier free, fixed work counter area a minimum of 8 ft. long x 2ft. deep to accommodate side by side work for the teacher and the student, 18" lockable drawer unit one end.
Finishes	1 As per Typical Classroom.
Mechanical	1 No special requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 1 dual data outlet at the teachers desk. 1.4 1 P.A. speaker in the ceiling.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Track lighting over counter area on dimmer switch, in observation room. 1.2 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.3 2 duplex power outlets beside each dual data outlet. 1.4 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	1 Must have natural light (if by clerestory, must provide blinds to control.) 2 Independent access from corridor to both student/teacher side and observation side.

GENERAL LIBRARY	
Size	As per program
Activities	1 A space for individual study and group learning
Doors	1 Interconnecting door required to all ancillary spaces such as Multi-Media, Seminar. 2 Main entry door to library to be a full lite door. 3 Natural light required. 4 Half-height windows between rooms to facilitate supervision and monitoring required, over the entire width at the demising wall. 5 Half height windows along corridor wall to Library for view and identification. These windows will comprise 50% of the corridor wall area.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 Special Equipment 1.1 Communication boards - as per typical classroom EXCEPT 40 SF required 1.2 Tackboard - as per classroom EXCEPT 40 SF required 1.3 Room darkening blinds, as per typical classroom
Casework	1 12 linear feet of base cabinet X 32" high x 24" wide, with adjustable shelving and lockable doors. Provide one knee space 30" wide. 2 12 linear feet of overhead cabinet X 30" high x 12" clear width inside, with adjustable shelving, 50% open, 50% lockable doors
Finishes	1 As per Typical Classroom.
Mechanical	1 If photocopiers are to be in the space, provide a dedicated exhaust system for the copier(s).
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset at the circulation desk. 1.2 1 voice outlet at the circulation desk. 1.3 1 dual data outlet at circulation desk. 1.4 Up to 8 dual data outlets for general student use within library and co-located seminar room. Total will be based upon student population-generally one/200 students. 1.5 1 bi-directional CATV outlet at the circulation desk. 1.6 1 P.A. speaker in the ceiling for every 800 square feet.

GENERAL LIBRARY		
Electrical	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	Lighting shall be 50 footcandles, average, maintained with multi-level switching.
	1.2	2 duplex power outlets beside each dual data outlet.
	1.3	1 duplex power outlet adjacent to the CATV outlet.
	1.4	4 general duplex power outlets.
Miscellaneous	1	Additional requirement for this space are:
	1.1	a circulation area
	1.2	a reference area
	1.3	seating areas
Special Considerations	1	Design for Circulation Desk MUST provide full view of the Main Entry, entry to the Media Room, the Sound Booth and the Seminar room. The Circulation Desk is most usually located adjacent and supportive of the Office area.
	2	When the program accommodates a P - 12 or similar mix, a Reading Area is required for Elementary students separated by stacks, finishes etc. from older grades and will be adjacent to natural light.

LIBRARY, SEMINAR ROOM	
Size	As per program
Activities	1 A room for group study
Doors	1 Interconnecting door to General Library and corridor area is required. 2 Half-height windows between rooms to facilitate supervision and monitoring required
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 Communications board as per typical classroom. 2 Tackboard at 50% of typical classroom requirement
Casework	1 Base cabinet: 12 lineal feet X 24" deep X 36" high, lockable doors 2 Upper cabinet: 12 lineal feet x 32" high X 12" clear depth, adjustable shelving with 50% open and 50% lockable doors
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 up to 8 dual data outlets for general student use within library and co-located seminar room. Total will be based upon student population-generally one/200 students. 1.4 1 bi-directional CATV outlet at the teacher's desk or Demo bench. 1.5 1 P.A. speaker in the ceiling.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet.
Miscellaneous	1 N/A
Special Considerations	1 This room is to be accessed from within General Library via a connecting door and directly from the corridor as well.

STORAGE ROOM	
Size	120 square feet
Activities	1 A secure room for storage, distribution and maintenance of valuable items which are available for borrowing by students and teachers.
Doors	1 Interconnecting door to General Library required.
Acoustical Separation	1 As per Typical Classroom.
Casework	1 Adjustable clip-on metal shelving 8 lineal feet x 18" deep x 5 shelves high, plus 10 lineal feet x 24" deep x 5 shelves high units per 120SF room. Increase linear feet of shelving proportionately as room square footage increases.
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 Provide 1 duplex power outlet for every 10m of wall space.
Miscellaneous	1 Locate adjacent to the Library Office/Work Room.

CHEMISTRY LABORATORY	
Size	As per program
Activities	1 Group or individual laboratory experiments, plus whole class activities.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	<ul style="list-style-type: none"> 1 Communication Boards as per typical classroom. 2 Tackboards as per typical classroom. 3 Front Projection Screens as per typical classroom. 4 Fire Blanket Station 5 Room darkening window treatment for all exterior windows 6 Fume hood (with water) Refer to DC350 Part 2, Section 2, 11530 Laboratory Equipment.
Casework	<ul style="list-style-type: none"> 1 Lab Benches, Perimeter Location, Quantity of 8 benches (water) 1.1 each bench to be octagonally shaped with a minimum size of 4'-6" across 1.2 lab sink located in 'counter neck' which attaches to wall. One Lab Bench MUST be barrier free, as per Room Layout ASK - 5 provided in this document. 1.3 provide storage cabinets under lab benches 1.4 bench tops to be solid epoxy resin 1.5 height of benches to be 34" 2 Demonstration Bench - Quantity = 1, (water) 2.1 minimum of 8'-0" in length by 24" wide 2.2 bench top to be solid epoxy resin 2.3 provision for storage below with adjustable shelving, lockable doors 3 Other Cabinets 3.1 18 lineal feet of lower cabinets, 32" high x 24" wide complete with adjustable shelving and lockable doors and drawers of various sizes 3.2 18 lineal feet of upper cabinet, 30" high x 12" clear inside with adjustable shelving and glass doors, lockable 3.3 all upper wall cabinet doors to have glass panels 4 Flammable Storage Cabinet - one required in each Science Lab or if shared Storage / Prep room provided, one can be located within Laboratory Storage/Preparation Room to share between two classrooms. 4.1 Refer to Part 2, Section 2, Division 10, 10520 Fire Protection Specialties
Finishes	1 As per Typical Classroom

CHEMISTRY LABORATORY		
Mechanical	1 Directly exhaust fume hood to the exterior with a dedicated exhaust fan. 2 Maintain space under a negative air pressure and provide a dedicated general exhaust fan for the space with interlocks to the supply air system (shutdown Chemistry Lab general exhaust if fume hood exhaust turned on). Return/exhaust air from this space <u>shall not be</u> interconnected with other building air systems, but instead shall be ducted directly to the outside. 3 Sinks and waste piping shall be acid and solvent resistant. Provide neutralization tank and sediment interceptor. 4 Lab Benches and Demonstration Bench 4.1 One sink per bench. Sink shall be single bowl, acid and solvent resistant, stainless steel, sink bowl minimum size 450 mm (18") wide x 400 mm (16") deep, faucet with rigid/swivel gooseneck, serrated nozzle, vacuum breaker, lever (4" max) handles, basket strainer and waste. As noted above, the Demonstration Bench and one lab bench shall be barrier free. Lab bench sinks shall have cold water only. For sink provided with fume hood, provide cold water only faucet with rigid/swivel gooseneck, serrated nozzle, vacuum breaker, lever (4" max) handles, basket strainer and waste. 5 Provide barrier free emergency shower station complete with eye/face wash, stainless steel pull rod activation, stainless steel bowl with dust cover. Run indirect waste to floor drain.	
Communications	1 As per Typical Classroom except: 1.1 Multimedia outlet to be included in demo bench millwork at end opposite the sink area. 1.2 3 dual data outlets at student workstations, distributed evenly.	
Electrical	1 As per Typical Classroom.	
Miscellaneous	N/A	
Special Considerations	1 Ensure the room layout supports class discussion and lab work. The perimeter lab benches are to allow for open floor space in the center to facilitate group discussion.	

LABORATORY STORAGE / PREPARATION ROOM		
Size	As Per Program	
Activities	1	Storage of science equipment and supplies, preparation for experiments, clean up of equipment
Doors	1	As per Typical Classroom.
Acoustical Separation	1	As per Typical Classroom.

LABORATORY STORAGE / PREPARATION ROOM		
Equipment and Furnishings	1	Provide one shared fume hood. This Fume Hood is located along the wall of the shared Storage/Prep Room, open to Chemistry Lab on one side and Prep Room on the other side. Classroom side is to be lockable.
	2	Dishwasher - Residential under counter type. Refer to Part 2, Section 2, Division 11, 11450 Residential Equipment.
Casework	1	18 Lineal Feet of Base Cabinet to include space required for Fume Hood.
	2	10 Lineal Feet of Wall Cabinet to include space required for Fume Hood.
	3	Counter tops must be SOLID EPOXY RESIN
	4	Chemical Storage Cabinet
	4.1	Two required, one for acids and one for base chemicals
	4.2	Refer to Part 2, Section 2, Division 12, 12300 Manufactured Casework.
Finishes	1	As per Typical Classroom.
Mechanical	1	Directly exhaust shared fume hood and each chemical storage cabinet.
	2	Maintain space under a negative air pressure and provide a dedicated general exhaust fan for the space with interlocks to the supply air system (shutdown Lab Storage/Prep Room general exhaust if fume hood exhaust turned on). Return/exhaust air from this space <u>shall not be</u> interconnected with other building air systems, but instead shall be ducted directly to the outside.
	3	Provide one large "clean-up" sink with drying rack for glassware. Sink shall be single bowl, acid and solvent resistant, stainless steel, sink bowl minimum size 900 mm (36") wide x 425 mm (17") deep, wall mounted faucet with rigid/swivel gooseneck, serrated nozzle, vacuum breaker, lever (4" max) handles, basket strainer and waste.
	4	As noted for Chemistry Lab, sink provided with fume hood shall have cold water only.
	5	Sinks and waste piping shall be acid and solvent resistant. Connect to neutralization tank and sediment interceptor.
	6	Provide a hot water and waste connection for the Dishwasher.
Communications	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	1 dual data outlet.
Electrical	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	Lighting shall be 50 footcandles, average, maintained with multi-level switching.
	1.2	2 duplex power outlets beside each dual data outlet.
	1.3	4 general duplex power outlets.
	1.4	Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
	1.5	Power connection for dishwasher.

LABORATORY STORAGE / PREPARATION ROOM

**Special
Considerations**

1 No windows are permitted, to provide security for chemical storage and an opportunity for light controlled experiments.

PHYSICS / GENERAL SCIENCE / BIOLOGY LABORATORY	
Size	As per program
Activities	1 Group or individual physics / science / biology experiments plus whole class activity.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	<ul style="list-style-type: none"> 1 Communication Boards as per Chemistry Lab. 2 Tackboards as per Chemistry Lab. 3 Front Projection Screen 4 Room darkening window treatment for all exterior windows 5 Safety Equipment 5.1 Fire Extinguisher: ABC type dry chemical 5.2 Fire Blanket with Wall Stand: with wool/rayon type blanket 5.3 First Aid Kit: with minimum contents specified to NS OH&S
Casework	<ul style="list-style-type: none"> 1 As per Chemistry Lab. Room Data Sheet, Casework, Item 3. Other Cabinets. 1.1 Counter surface to be acid resistant plastic laminate. 2 Demonstration Bench - as per Chemistry Lab. 3 Human Skeleton Cabinet - See Part 2, Section 2, Division 6, 06410 Custom Cabinets.
Finishes	1 As per Typical Classroom.
Mechanical	<ul style="list-style-type: none"> 1 Two sinks to be provided in each bank of casework, for four sinks, plus one for the demonstration bench. Sinks shall be single bowl, stainless steel, sink bowl minimum size 450 mm (18") wide x 400 mm (16") deep, faucet with rigid/swivel gooseneck, serrated nozzle, vacuum breaker, lever (4" max) handles, basket strainer and waste. The Demonstration Bench and one lab bench shall be barrier free. Lab bench sinks shall have cold water only. 2 Provide barrier free emergency eye/face wash station, complete with high impact plastic bowl and dust cover.
Communications	<ul style="list-style-type: none"> 1 As per Typical Classroom except: 1.1 Multimedia outlet to be included in demo bench millwork at end opposite the sink area. 1.2 3 dual data outlets at student workstations, distributed evenly.
Electrical	1 As per Typical Classroom.

INFORMATION TECHNOLOGY / COMMUNICATION TECHNOLOGY	
Size	As per program
Activities	<p>1 Information Technology classroom requires whole class computer studies, to accommodate 30 learners and computers in accordance with approved design for 30 built in workstations. Refer to ASK - 8 for typical Information Technology Lab Classroom layout.</p> <p>2 Communication Technology classroom requires whole class computer studies, to accommodate 20 learners and computers in accordance with approved design for 20 workstations. Refer to ASK - 8A for typical Communication Technology Lab Classroom layout.</p>
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 As per Typical Classroom.
Casework	1 As per Typical Classroom plus approved IT workstation built in design.
Finishes	1 As per Typical Classroom.
Mechanical	1 In addition to normal ventilation air, provide mechanical cooling (air conditioning) for the room so that a room temperature of 25 C is not exceeded. Cooling equipment sizing and selection shall be based on full occupancy throughout the calendar year.
Communications	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 1 telephone/public address handset at the teacher's desk.</p> <p>1.2 1 voice outlet at the teachers desk for the above mentioned handset.</p> <p>1.3 1 dual data outlet at the teachers desk. (For projector computer and printer)</p> <p>1.4 15 dual data outlets for general student use - one per every two workstations. (Max 30 computers)</p> <p>1.5 1 data outlet at the NIC projector location.</p> <p>1.6 1 bi-directional CATV outlet at the teacher's desk.</p> <p>1.7 1 multimedia outlet at the teacher's desk. This outlet will feed to the projector location and include the following jacks:</p> <p>1.7.1 One (1) DB15 VGA cable for multimedia projector video</p> <p>1.7.2 One (1) S-video cable for DVD video component of DVD/VCR unit.</p> <p>1.7.3 Two (2) RCA audio cables for L/R audio of DVD/VCR unit.</p> <p>1.7.4 One (1) RCA video cable for VCR video component of DVD/VCR unit.</p> <p>1.7.5 One (1) DSUB 3.5mm (1/8") stereo mini jack/cable for computer audio.</p> <p>1.8 1 ceiling mounted powered 8 Watt or better speaker and wiring to ceiling multimedia point with 3.5mm stereo mini jack termination.</p> <p>1.9 1 P.A. speaker in the ceiling.</p>

INFORMATION TECHNOLOGY / COMMUNICATION TECHNOLOGY	
Electrical	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching.</p> <p>1.2 1 duplex power outlet beside each dual data outlet.</p> <p>1.3 1 duplex power outlet adjacent to the CATV outlet.</p> <p>1.4 1 duplex power outlet at the NIC projector location.</p> <p>1.5 4 general duplex power outlets.</p> <p>1.6 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.</p>

TECHNOLOGY EDUCATION	
Size	As per program
Activities	1 Computer modelling and design of Production products, accommodated at a minimum of 8 double (16) Tech Ed technology workstations. Refer to ASK 10 for typical layout and ASK 14 for computer desk details. See also Part 2, Section 2, 12300 Manufactured Casework.
Doors	1 A single leaf, full lite door is to be provided between this area and the adjacent Technology Production room.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 As per Typical Classroom.
Casework	<p>1 As per Typical Classroom</p> <p>2 8 double Tech Ed production workstations will be provided to accommodate for (16) learners. This design will be complete with grommets for cabling.</p>
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.

TECHNOLOGY EDUCATION		
Communications	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 1 dual data outlet at the teachers desk. 1.4 8 dual data outlets for general student use - one per workstation. (Max 16 computers) 1.5 1 data outlet at the NIC projector location. 1.6 1 bi-directional CATV outlet at the teacher's desk. 1.7 1 multimedia outlet at the teacher's desk. This outlet will feed to the projector location and include the following jacks: <ul style="list-style-type: none"> 1.7.1 One (1) DB15 VGA cable for multimedia projector video 1.7.2 One (1) S-video cable for DVD video component of DVD/VCR unit. 1.7.3 Two (2) RCA audio cables for L/R audio of DVD/VCR unit. 1.7.4 One (1) RCA video cable for VCR video component of DVD/VCR unit. 1.7.5 One (1) DSUB 3.5mm (1/8") stereo mini jack/cable for computer audio. 1.8 1 ceiling mounted powered 8 Watt or better speaker and wiring to ceiling multimedia point with 3.5mm stereo mini jack termination 1.9 1 P.A. speaker in the ceiling. 	
Electrical	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 1 duplex power outlet at the NIC projector location. 1.5 2 general duplex power outlets. 1.6 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 	
Miscellaneous	<ul style="list-style-type: none"> 1 Windows are to be provided to the adjacent Technology Production room, sized at a minimum of half height X 15 lineal feet. 	
Special Considerations	<ul style="list-style-type: none"> 1 Provide, out of net program area, a Small Group Work Room size to be 120 sq. ft. 	

TECHNOLOGY PRODUCTION AREA	
Size	As per program
Activities	1 Whole class and small group learning of design and manufacturing. See Appendix C, ASK 9
Doors	1 A single leaf full lite door is required between Technology Production Area and Technology Education. 2 Double leaf, solid panel exterior door is required.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 The following equipment shall be supplied and installed in high schools and P-12 schools: 1.1 Jointer: 8", General (Cdn) #480-1-8" Motor M4 1.5hp, 208V, 3Ph, 4.2A, Vent 4" 1.2 Table Saw --Saw Stop Industrial Cabinet Saw 3hp TEFC motor 230/1 (ICS31230) c/w 36" ext table, rails and fence, Vent 4" c/w overhead arm guard system 50-EXBC (Beisemeyer) 1.3 Belt sander - General (Int) 15-015M1 6" x 48" belt, 12" disc sander 115/230 V 1Ph, magnetic switch, vent 4" 1.4 Band Saw - General (Cdn) model 490-1-15" Motor M1, 1hp, 115V , 1Ph magnetic switch, vent 4", 1.5 Drill press - General (Cdn), model 34-01(floor), motor M1, 3/4 hp , 1Ph, 115 V, 3.2 A, magnetic switch,, 1.6 Bench grinder w/ Delta 50-330 Stand, Delta model 23-725-8", slow-speed, motor 3/4 hp, 120V, 1Ph, 8A 1.7 Scroll Saw c/w stand- Dewalt DW 788 20" scroll saw, 1.3A, DeWalt DW7880 scroll saw stand 1.8 Planer - General (Int), Model 30-125 CEM1, Motor M1: 3hp, 220V, 1Ph, 15 A, Vent 5" 1.9 Workbenches - Ven-Rez 5311-6054-32 c/w 4 vices, dog pin holes, plywood shelf 1.10 SS Sink - Franke SL2424 1.11 110V Cord Reels (x6) above bench areas 2 Communication Boards 3 Tackboards

TECHNOLOGY PRODUCTION AREA		
Casework	1	One floor to ceiling height cabinet storage unit, 9'-0" high x 8'-0" long x 24" deep. Subdivided into 8 compartments 2' x 4'. Each compartment to have adjustable shelves and 2' x 4' door with lock.
	2	Butcher block perimeter counter - 24" deep X 10'-0" long, 12" deep cabinet storage below. (Middle/Jr. School require 60 linear feet)
	3	Four workbenches for 4 students each, butcher block top, 5'-0" wide by 5'-0" long. Acceptable manufacturer Ven Rez or approved alternate.
	4	Lumber Storage Rack (10'L x 7'high x 24"deep) to be all hardwood framing. All steel parts to have a powder coat finish. Joints to be mortise and tendon construction, end supports bolted to back frame, c/w support rods. Design of Lumber Storage Rack and layout of room to allow lumber to be loaded or unloaded from either end for maximum flexibility.
Finishes	1	Concrete floor with slip resistant epoxy coating finish.

TECHNOLOGY PRODUCTION AREA	
Mechanical	<p>1 Provide a sawdust collection and exhaust system, designed and constructed for outdoor installation. The system shall be sized for the woodworking equipment listed in the Equipment and Furnishings section and designed in accordance with the latest edition of "Industrial Ventilation, A Manual of Recommended Practice" published by the American Conference of Government Industrial Hygienists. The system shall comply with all applicable codes and regulations. The system shall permit unrestricted movement of the operators and free flow of the material being processed and consist of a dust collector, exhaust hoods, floor sweeps, overhead metal ducting, and blast gates for final air adjustment. The dust collector shall be the high efficiency fabric type, complete with silencer, minimum 5" diameter bags or a 5" gap size on the collector bags, minimum 45 imperial gallon (55 us gallons) collection drum and integral automatic fabric reconditioning system. The collector enclosure shall be constructed using continuous welds; spot welding or stitch welding is not acceptable. Any non welded joints shall have matching flanges continuously welded to the enclosure, gasketed and bolted. The can velocity shall not exceed 250 ft/min, with this velocity calculated by dividing the design air flow by the inlet bag open area. The air to cloth ratio shall not exceed 8 to 1. Provide a spark suppression system as required by code and authorities having jurisdiction (reference NBC 6.2.2.5 and NFPA publications, including NFPA 664). The system shall be set up and put into operation by a factory trained representative of the manufacturer, who shall also provide on-site instruction (minimum one hour) in operation and maintenance procedures to the building operators. This representative of the manufacturer shall provide a complete start up report, including the design and measured total air volume and air volumes to each piece of woodworking equipment and floor sweep.</p> <p>2 Sink with molded stone construction, floor mounted with white baked enamel steel angle legs, minimum bowl size 584 mm (23") x 546 mm (21.5") x 341 mm (13.5") vertical depth, rigid/swivel gooseneck spout, floor mounted double pedal valve, basket strainer and waste. Fasten legs to floor and provide stainless steel wall bracket.</p> <p>3 Provide barrier free emergency eye/face wash station, complete with high impact plastic bowl and dust cover.</p> <p>4 Maintain space under a negative air pressure and provide a dedicated general exhaust fan for the space. Return/exhaust</p>
Communications	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 1 telephone/public address handset.</p> <p>1.1 1 voice outlet for the above mentioned handset.</p> <p>1.2 1 dual data outlet at one bench for CAD/CAM devices.</p> <p>1.3 1 P.A. speaker in the ceiling.</p>

TECHNOLOGY PRODUCTION AREA	
Electrical	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching.</p> <p>1.1 2 duplex power outlets beside each dual data outlet.</p> <p>1.2 2 general duplex power outlets.</p> <p>1.3 Minimum 1 duplex power outlet above any counter top or work bench, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter/bench.</p> <p>1.4 1 power outlet for each stationary power tool.</p> <p>1.5 Provide a ceiling mounted heavy duty retractable electric extension cord reel c/w duplex receptacle for each "floating" production work bench which is not attached to a wall.</p>
Special Considerations	<p>1 This area can be part of a multi-use lab that combines design and production.</p> <p>2 Provide a continuous ½ height, glazed wall a minimum of 16 lineal feet in length, to adjoining Tech Education areas c/w access door as described above.</p>

NUTRITION AREA (FAMILY STUDIES)	
Size	As per program.
Activities	1 Small group learning of nutrition and food preparation. One food prep station to be barrier free. NOTE: The Nutrition area and the Clothing and Textile area may be located within one space.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.

NUTRITION AREA (FAMILY STUDIES)		
Equipment and Furnishings	<ul style="list-style-type: none"> 1 Communication Boards - As per typical classroom. 2 Tackboards - As per typical classroom. 3 Front Projection Screens - As per typical classroom. 4 Kitchen station Electrical Equipment, refer to Part 2, Section 2, Division 11, 11450 Residential Equipment: <ul style="list-style-type: none"> 4.1 Microwave oven, for standard kitchen stations, on movable carts. 4.2 Front or side control cerantop self cleaning range, for standard kitchen stations. 4.3 Convection microwave oven, provide for barrier free station 4.4 Refrigerator, quantity equals one, residential size. 4.5 Upright freezer, quantity equals one, residential size. 4.6 Built in dishwasher, installed in proximity to a double sink. 5 Room darkening window treatment for all exterior windows. 	
Casework	<ul style="list-style-type: none"> 1 Standard Kitchen Stations (Four- six stations Required according to Program) each to accommodate Equipment and Furnishings above. <ul style="list-style-type: none"> 1.1 One unit must be barrier free. 1.2 Each station to provide a minimum of 10 lineal feet of kitchen style base cabinet and 10 lineal feet of wall cabinet including a double sink (see mechanical), a bank of drawers and adjustable shelving behind lockable doors, complete with ceramic backsplash. 1.3 A 7' high X 4' wide pantry style unit 1.4 Provide two (2) bookcase cabinets 3'-0" wide X 7'-0" high (Non lockable door fronts required). 	
Finishes	<ul style="list-style-type: none"> 1 As per Typical Classroom. 	
Mechanical	<ul style="list-style-type: none"> 1 For each station, provide one double bowl stainless steel ledge back sink, each bowl minimum size 350 mm (14") wide X 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever (4" max) handles, basket strainer and waste. One sink shall be barrier-free. 2 Provide range hoods ducted to the outside. 	
Communications	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ul style="list-style-type: none"> 1.1 1 telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 1 dual data outlet at the teachers desk. 1.4 1 bi-directional CATV outlet at the teacher's desk. 1.5 1 P.A. speaker in the ceiling. 	

NUTRITION AREA (FAMILY STUDIES)	
Electrical	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching.</p> <p>1.2 2 duplex power outlets beside each dual data outlet.</p> <p>1.3 1 duplex power outlet adjacent to the CATV outlet.</p> <p>1.4 2 general duplex power outlets.</p> <p>1.5 Minimum 1 duplex power outlet, each split circuited, above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.</p> <p>1.6 Power outlets for all appliances.</p>
Special Considerations	<p>1 This area will be combined with other areas such as clothing/textiles.</p>

CLOTHING & TEXTILE AREA (FAMILY STUDIES)	
Size	As per program
Activities	<p>1 For Jr. High /Middle Schools only.</p> <p>2 Small group learning of fabric design and manufacturing. NOTE: The Nutrition area and the Clothing and Textile area may be located within one space.</p>
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	<p>1 Communication Boards - As per typical classroom.</p> <p>2 Tackboards - As per typical classroom.</p> <p>3 Front Projection Screens - As per typical classroom.</p> <p>4 Domestic Washing Machine - front console / loading, quantity equals one.</p> <p>5 Domestic Clothes Dryer- quantity equals one, front console.</p> <p>6 Room darkening window treatment for all exterior windows.</p> <p>7 Allow for placement of five (5) cutting tables 6'-0" X 3'-0" wide, (NIC) complete with cable trays to be used for preparation and sewing/serger work around perimeter of room</p>

CLOTHING & TEXTILE AREA (FAMILY STUDIES)		
Casework	1	General Storage Cabinet : Provide storage unit for 15 sewing machines, 3 sergers, 2 embroidery and 1 knitting machine. Unit should be 8'-0" x 7'-0" high x 2'-0" deep with adjustable 1" shelving and lockable doors.
	2	Laundry Station, to incorporate 5 lineal feet of base cabinet to accommodate washer, dryer, storage shelving, and double sink. See "Special Considerations" below.
Finishes	1	As per Typical Classroom.
Mechanical	1	For laundry station provide one double bowl stainless steel barrier free ledge back sink, each bowl minimum size 350 mm (14") wide x 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever handles, basket strainer and waste.
Communications	1	As per Nutrition Area except:
	1.1	1 data outlet at the NIC projector location.
	1.2	1 bi-directional CATV outlet at the teacher's desk.
	1.3	1 multimedia outlet at the teacher's desk. This outlet will feed to the NIC projector location and include the following jacks:
	1.3.1	One (1) DB15 VGA cable for multimedia projector video
	1.3.2	One (1) S-video cable for DVD video component of DVD/VCR unit.
	1.3.3	Two (2) RCA audio cables for L/R audio of DVD/VCR unit.
	1.3.4	One (1) RCA video cable for VCR video component of DVD/VCR unit.
	1.3.5	One (1) DSUB 3.5mm (1/8") stereo mini jack/cable for computer audio.
	1.4	1 ceiling mounted powered 8 watt or better speaker and wiring to ceiling multimedia point with 3.5 mm stereo mini jack termination.
Electrical	1	As per Nutrition Area except:
	1.1	1 duplex power outlet at the NIC projector location.
	1.2	1 duplex power outlet for each sewing machine. Sewing machine circuits are to be separate from computer workstation circuits. Lamicoid identification to include the words "sewing machine".
Special Considerations	1	As per Program, this area could be combined with the nutrition area that would provide a large common area for activities, including cutting of material, tasting of food. If combined space, then the data ports, multimedia outlet and Multimedia NIC projector point are to be located in the textile area away from the nutrition area.
	2	Include in the design, provision of one barrier-free Change Room, complete with 4 ft. wide x 7 ft. high mirror. The change room may incorporate the required storage units for as well as the laundry station comprised of the washer, dryer, storage shelves and double sink.

VISUAL ARTS ROOM	
Size	As per program
Activities	1 Whole class, or small group study, or individual instruction in visual arts.
Doors	1 Doors as per Typical Classroom. 2 Visual Arts Rooms shall be provided with natural light with either exterior windows or clear-storey windows. North light is preferable, quantity of light as per typical classroom.
Acoustical Separation	1 As Per Typical Classroom.
Equipment and Furnishings	1 As per Typical Classroom.
Casework	1 Total of 15 lineal feet, comprised of 1 x Unit One, and 4 x Unit Three. 2 In addition, One Art Storage Cabinet - see Appendix C, ASK - 16.
Finishes	1 As per typical classroom.
Mechanical	1 Two large single bowl stainless steel sinks, each sink bowl minimum size 900 mm (36") wide x 425 mm (17") deep, wall mounted faucets with integral stops, tubular swing spout, indexed lever (4" max) handles, basket strainer and waste, sediment interceptor. One sink shall be barrier free.
Communications	1 As per Typical Classroom except: 1.1 If portable projection is used due to over height ceilings, then delete: 1.1.1 multimedia outlet at the teacher's desk including the following wiring & jacks: 1.1.1.1 VGA Display (DB-15 termination) 1.1.1.2 VCR S-Video 1.1.1.3 VCR L/R Audio (RCA standard jack) 1.1.1.4 PC. Audio (3.5mm stereo mini jack) 1.1.2 1 ceiling mounted powered 8 watt or better speaker and wiring to ceiling multimedia point with 3.5mm stereo mini jack termination
Electrical	1 As per Typical Classroom except: 1.1 Provide two 6 ft. sections of ceiling mounted track lighting with 4 lights each section for the display of art work. 1.2 If portable projection is used, then delete: 1.2.1 1 duplex power outlet at the NIC projector location.
Special Considerations	1 N/A

ART STORAGE ROOM	
Size	As per program.
Activities	1 Support, storage and preparation for arts activities.
Casework	1 Open shelving, 7 ft. high with four adjustable shelves per 3 foot sections. 2 Provide minimum 20 lineal feet of full height open shelving per 100 sq.ft. of program area or part thereof.
Finishes	1 As per Typical Classroom.
Mechanical	1 Mechanical exhaust required.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 foot candles, average, maintained. 1.2 2 general duplex power outlets.

DRAMA ROOM		As per typical classroom EXCEPT with the following additions:
Size	As per program.	
Activities	1	Whole class studies in dramatic arts. Refer to specific school program for additional information.
Acoustical Separation	1	The acoustical quality of this room is critical and is improved dramatically with the addition of fabric covered acoustic wall panels. A minimum of 25% of the wall surface must be covered with these panels.
Casework	1 1.1 2	As per typical Classroom EXCEPT comprised of 1 x Unit One, 2 x Unit Three and 1 x Unit Four for a total of 12 lineal feet. Teachers closet (Unit One) to be wired and vented for stereo and speaker hook-up. Quantity of two Costume Storage Cabinets - see Appendix C, ASK - 17.
Finishes	1 1.1	As per typical classroom EXCEPT, ceiling-open web steel joists complete with acoustic deck, painted as per adjoining performance/gym area. Where Stage and Drama Rooms are a shared space finish floor to Typical Classroom floor finish requirements. Ensure that 3' wide hardwood leading edge skirt is provided around Stage area as specified in Part 1, Section 2, Division 09, Section 09640.
Mechanical	1	No special mechanical requirements.
Communications	1 1.1 1.1.1 1.1.1.1 1.1.1.2 1.1.1.3 1.1.1.4 1.1.2	As per Typical Classroom except: If portable projection is used due to over height ceilings, then delete: multimedia outlet at the teacher's desk including the following wiring & jacks: VGA Display (DB-15 termination) VCR S-Video VCR L/R Audio (RCA standard jack) PC. Audio (3.5mm stereo mini jack) 1 ceiling mounted powered 8 watt or better speaker and wiring to ceiling multimedia point with 3.5mm stereo mini jack termination
Electrical	1 1.1 1.1.1 2	As per Typical Classroom except: If portable projection is used, then delete: 1 duplex power outlet at the NIC projector location. Teachers Closet to be wired and vented for stereo speaker hookup.

DRAMA ROOM	
As per typical classroom EXCEPT with the following additions:	
Special Considerations	<ol style="list-style-type: none"> 1 Locate room in area of stage, music room, and visual arts. 2 Storey and a half or double volume height. 3 Black curtains and track to be provided along the full length of the longest wall. The track lighting is to be located facing this curtain. 4 If room has dual use as a stage, acoustical panels are not required. 5 If room has dual use as a stage, width of hardwood apron to be from leading edge of the stage platform to the center line of the operable wall.

MUSIC ROOM	
Size	As per program.
Activities	<ol style="list-style-type: none"> 1 Elementary - Introduction to Music. Music instruction for choral music, basic wind instruments, string groups, with some band instruction at the upper grades. 2 Middle/High School Music instruction for string and wind instruments including brass instruments, instruction for bands and small ensembles.
Doors	<ol style="list-style-type: none"> 1 Entrance Door to Classroom: Oversized at 4'-0" wide, Insulated hollow metal door, 14 gauge pressed steel frame, with perimeter sound seal, sound seal astragal and mortised bottom seals sound retardant as above 2 Practice room doors: <ol style="list-style-type: none"> 2.1 Provide door with a sidelight (minimum 12" wide x door height, tilted and double glazed) 2.2 Standard door construction with threshold gaskets to minimize sound transmission.
Acoustical Separation and Performance	<ol style="list-style-type: none"> 1 Sound transfer to adjacent rooms must be diminished. 2 Where possible, storage rooms, and corridors should be utilized as sound breaks. 3 A minimum STC Rating of 60 is required between the Music Room and / or any adjacent learning spaces. A STC Rating of 50 is acceptable for corridor walls. 4 Learning spaces cannot share a common wall with the music room. 5 The acoustical quality of this room is critical and is improved dramatically with the addition of fabric covered acoustic wall panels. Provide for these panels on 30% of the wall surface. 6 Acoustical Performance Analysis: The design shall include an acoustical study of the music room by a recognized acoustical engineer and recommendations of that study are to be incorporated into the design.

MUSIC ROOM		
Equipment and Furnishings	1	As per Typical Classroom EXCEPT one communication boards to have permanent music lines located and spaced to suit viewing distances.
Casework	1	As per Typical Classroom.
Finishes	1	As per Typical Classroom EXCEPT acoustic panels as above.
Mechanical	1 2	Design ventilation system to minimize sound transfer to and from other areas. If there is no music storage room provided, provide a molded stone construction laundry style sink, minimum inside dimension 20" x 17" x 13" vertical depth, wall hung (but to match adjacent counter), gooseneck faucet with tubular swing spout, 24" long rubber hose and spray attachment, indexed lever handles, waste plug with rubber stopper. Mounted to minimum barrier free heights.
Communications	1 1.1 1.1.1 1.1.1.1 1.1.1.2 1.1.1.3 1.1.1.4 1.1.2	As per Typical Classroom except: If portable projection is used due to over height ceilings, then delete: multimedia outlet at the teacher's desk including the following wiring & jacks: VGA Display (DB-15 termination) VCR S-Video VCR L/R Audio (RCA standard jack) PC. Audio (3.5mm stereo mini jack) 1 ceiling mounted powered 8 watt or better speaker and wiring to ceiling multimedia point with 3.5mm stereo mini jack termination
Electrical	1 1.1 1.2 1.2.1	As per Typical Classroom except: Provide 2 duplex power outlets on separate circuits for amplifiers. If portable projection is used, then delete: 1 duplex power outlet at the NIC projector location.

MUSIC ROOM		
Special Considerations	1	Side walls of music room shall not be parallel.
	2	Practice Rooms (Music):
	2.1	Provide minimum of 2 practice room (1 @ 60sq. ft. and 1 @ 40 sq. ft. each) In middle and high school locations; acoustic separation as per Music Room itself are required.
	2.2	Refer to separate Room Data Sheet on Practice Rooms for additional information.
	3	Ceiling Heights: (Clear to the underside of the exposed structure) A minimum of a storey and a half average height over the entire floor area is required.
	4	The ceiling shall be sloped or curved.
	5	If there is no music storage room provided to accommodate the instrument lockers, then the storage of all instruments must be in lockable cabinets sized to accommodate both large and small instruments, with a minimum of fifty lockers as above.
	6	If a dedicated Music storage room is provided with keyed lock to the room, then the cabinets within the storage room can be open adjustable shelving.

MUSIC STORAGE ROOM	
Size	As per program.
Activities	1 Storage and cleaning of instruments
Doors	1 As per Typical Classroom.
Equipment and Furnishings	1 Music Instrument Storage Shelving.
Casework	1 Music Instrument Open Shelving to Accommodate: 1.1 minimum of fifty individual instruments. 1.2 varying sizes to accommodate both large and small instruments.
Finishes	1 As per Typical Classroom.
Mechanical	1 A molded stone construction laundry style sink, minimum inside dimension 20" x 17" x 13" vertical depth, floor mounted with white baked enamel steel angle legs, gooseneck faucet with tubular swing spout, 24" long rubber hose and spray attachment, indexed lever handles, waste plug with rubber stopper. Fasten legs to floor and provide stainless steel wall bracket. Mounted to minimum barrier free heights.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 foot candles, average, maintained.. 1.2 2 general duplex power outlets.

PRACTICE ROOMS (MUSIC)	
Size	40 sq. ft. each
Activities	1 Music practice and recording for individual and small groups.
Doors	1 Practice Room Sound door: 1.1 Provide with door a sidelight (minimum 12" wide x door height, tilted and double glazed) 1.2 Standard door construction with threshold gaskets to minimize sound transmission.
Acoustical Separation and Performance	1 As per Music Room.
Finishes	1 As per Typical Classroom.
Mechanical	1 As per Music Room.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 dual data outlet.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 2 general duplex power outlets. 1.4 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	N/A

FILM & VIDEO 12 PRODUCTION CLASSROOM		
Size	1	As per normal classroom
Activities	1	Students utilize specialized multi-media equipment not available in other areas of the school, working individually and in groups to film and complete post production digital video the approved Film and Video 12 course.
Doors	1	Provide sound retardant, gasketed door to room from corridor and to sound booth.
Acoustical Separation	1	Acoustical separation between adjacent spaces minimum STC 42
Equipment and Furnishings	1 2 3	Communication boards - 32 sq. ft. Tackboard - 16 sq. ft. Room darkening - vertical blinds
Casework	1	10 lineal feet of upper and lower cabinets with two adjustable shelves.
Finishes	1	As per Typical Classroom.
Mechanical	1	Design ventilation system to minimize sound transfer to and from other areas.
Communications	1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.7.1 1.7.2 1.7.3 1.7.4 1.7.5 1.8 1.9	Provide the following equipment/systems along with infrastructure wiring and outlets: 1 telephone/public address handset at the teacher's desk. 1 voice outlet at the teachers desk for the above mentioned handset. 1 dual data outlet at the teachers desk. 3 dual data outlets for video production use clustered in front area. 1 data outlet at the NIC projector location. 1 bi-directional CATV outlet at the teacher's desk. 1 multimedia outlet at the teacher's desk. This outlet will feed to the projector location and include the following jacks: One (1) DB15 VGA cable for multimedia projector video One (1) S-video cable for DVD video component of DVD/VCR unit. Two (2) RCA audio cables for L/R audio of DVD/VCR unit. One (1) RCA video cable for VCR video component of DVD/VCR unit. One (1) DSUB 3.5mm (1/8") stereo mini jack/cable for computer audio. 1 ceiling mounted powered 8 Watt or better speaker and wiring to ceiling multimedia point with 3.5mm stereo mini jack termination 1 P.A. speaker in the ceiling.

FILM & VIDEO 12 PRODUCTION CLASSROOM		
Electrical	1	Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 4 general duplex power outlets - clustered in rear filming area for portable lighting setup on two separate circuits. 1.5 Minimum 3 duplex power outlet above counter top for battery charging, maximum 3' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Miscellaneous	1	Divide room front to rear with half-height windows dividing room to facilitate supervision and monitoring, and to separate rear filming area from front post production computer area.
Special Considerations	1 2 3	Provide sound retardant window to room from corridor and in wall division. Locate next to Sound Booth with access from Film & Video Production Classroom Rear area is best without outside windows.

SOUND BOOTH		
Size		100 sq. ft.
Activities	1	A sound recording booth to support recording and editing of audio for use in multi-media productions.
Doors	1	Sound Retardant with perimeter gaskets
Moveable Walls		N/A
Acoustical Separation	1	Acoustical separation between adjacent spaces minimum STC 60
Equipment and Furnishings		N/A
Casework	1	Sound Booth Cabinets
Finishes	1 2 3	Acoustic panels on three walls Acoustic ceiling Acoustic sheet flooring

SOUND BOOTH		
Mechanical	1	Ventilation system designed to minimize sound within as well as sound transfer to and from other areas. Provide silencers in all ducts serving the Sound Booth.
Communications	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	1 dual data outlet
Electrical	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	Lighting shall be 50 footcandles, average, maintained with multi-level switching.
	1.2	2 duplex power outlets beside each dual data outlet.
	1.3	3 general duplex power outlets.
	1.4	Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Miscellaneous	1	Half-height windows between rooms to facilitate supervision and monitoring required.
Special Considerations	1	Accessible through Film & Video Production Classroom or IT Lab or Comm Tech Lab.

GYMNASIUM (ASSEMBLY AREAS)	
Size	As per program
Activities	1 Learning group and individual physical skills/team sports and large group assemblies.
Doors	1 Storage room doors and washrooms 1.1 Hardware shall be kept to a minimum (i.e. locks, pull/push) to reduce amount of projecting hardware.
Movable Walls	N/A
Acoustical Separation	1 Separation from adjacent spaces STC 42. 2 Learning spaces cannot share a common wall with the gymnasium, unless approved by the client.
Equipment and Furnishings	<p><u>1 Basketball backstops</u></p> <p>1.1 Elementary</p> <p>1.1.1 Main Court Rectangular steel backboards, ceiling mounted, swing up, electrically operated, adjustable 8' to 10', Quantity equals 2.</p> <p>1.1.2 Cross Court Fan shaped, steel backboards, wall mounted, side swing, adjustable 8' to 10', Quantity equals 4.</p> <p>1.2 Junior High & P-9'</p> <p>1.2.1 Main Court Rectangular, steel backboards, wall mounted, ceiling mounted, swing up, electrically operated, 10' - Quantity = 2.</p> <p>1.2.2 Cross Courts Fan shaped, steel backboards, 2 wall mounted, side swing and 2 ceiling mounted swing up, elect. operated (bleacher side), all adjustable 8'-10', Quantity = 4.</p> <p>1.3 High School & P-12</p> <p>1.3.1 Main Court Rectangular, glass backboards, ceiling mounted, swing up electrically operated, 10', Quantity = 2</p> <p>1.3.2 Cross Courts Fan shaped, steel backboards, 2 wall mounted side swing and 2 ceiling mounted swing up, electrically operated (bleacher side), 10' - Quantity = 4</p> <p>1.4 Backstop specifications : see Part 1, Section 11, 11480</p>

GYMNASIUM (ASSEMBLY AREAS)		
Equipment and Furnishings (continued)	<ul style="list-style-type: none"> 2 Volleyball Posts and Net specifications : see Part 1, Section 11, 11480 2.1 Provide competition volleyball posts and nets to amounts and locations as required to equip the number of courts indicated on the appropriate Gymnasium layout. 2.2 Provide sets of cross court volleyball posts and nets to amounts and locations as required to equip the number of courts indicated on the appropriate Gymnasium layout. 3 Badminton Posts and Nets specifications : see Part 1, Section 11, 11480. 3.1 Provide sets of badminton posts and nets to amounts and locations as required to equip the number of courts indicated on the appropriate Gymnasium Layout. 4 Gymnasium Divider Curtain specifications : see Part 1, Section 11, 11480. 4.1 Provide one fold-up divider curtain for GL2, GL3 and GL4 Layouts 5 Telescopic Bleachers specifications : see Part 1, Section 11, 11480. 5.1 Provide a quantity of four banks of bleachers or quantity as per program. 6 Projection Screen: minimum size, 12' x 12' electrically operated. 6.1 for specifications : see Part 1, Section 11, 11130 	
Casework	N/A	
Finishes	<ul style="list-style-type: none"> 1 Gymnasium Floor complete with all game lines and school logos. Typical construction: 1.1 Grades P-12; 7-12; 9-12; 10-12 - Use wood flooring only, to Part 2, Section 2, Division 09, 09640 - Wood Flooring and to all references mentioned therein. 1.2 Elementary and Middle Schools - wood flooring to Part 2, section 2, Division 09, 09640 - Wood Flooring and to all references mentioned therein, or Fluid Applied Flooring to Part 2, Section 2, Division 09, 09670 - Fluid Applied Flooring and to all references mentioned therein. 2 Exposed roof structure, painted. 3 Walls : Concrete Block, minimum of 10' high. 4 Acoustic Panels are required to improve the sound quality of the room. Provide a minimum of one continuous row of 8' high panels on each wall of the gymnasium. Panels are to be 2" thick acoustic insulation wrapped in fabric. 5 Exposed ceilings shall be acoustic metal deck. 	

GYMNASIUM (ASSEMBLY AREAS)		
Mechanical	1	Provide a wall mounted, barrier free, steel refrigerated water cooler with pushbars on front and both sides, one piece stainless steel top and backsplash, located in close proximity to the gym.
	2	Provide a dedicated gymnasium ventilation system that meets ASHRAE and other Design Requirements for all occupancy scenarios, for example, provides sufficient outside air when used as an assembly or performance space Provide a return air carbon dioxide sensor (setpoint adjustable via the building automation system) for control of outside air. Also provide a push button in the gymnasium office to operate the system for a set time period (adjustable via the building automation system) during times when the system is scheduled off.
Communications	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	3 dual data outlets.
	1.2	Gym/Cafeteria public address system.
	1.3	Assistive listening system.
	1.4	1 bi-directional CATV outlet.
	1.5	Raceway system for 30 second clock system for basketball.
	1.6	Raceway system for score clock.

GYMNASIUM (ASSEMBLY AREAS)

Electrical	1	Provide the following equipment/systems along with infrastructure wiring and outlets:
	1.1	Lighting:
	1.1.1	Elementary Schools
	1.1.1.1	30 footcandles, average, maintained with 4-level switching.
	1.1.2	Junior High Schools
	1.1.2.1	50 footcandles, average, maintained.
	1.1.3	High Schools
	1.1.3.1	50 footcandles, average, maintained.
	1.1.4	Additional incandescent dimmable house lights to provide minimum 10 footcandles, average, maintained.
	1.1.5	All lighting fixtures to be located a minimum of 4'-0" away from other equipment or obstructions.
	1.1.6	Controls to be key secured.
	1.2	2 duplex power outlets beside each dual data outlet.
	1.3	1 duplex power outlet adjacent to the CATV outlet.
	1.4	1 general duplex power outlets is to be provided for every 10 m of wall space.
	1.5	Power outlets for the gym/cafeteria public address and assistive listening systems regardless of location within the school.
	1.6	Power outlets for all electrically operated gym equipment including the basketball stops and divider curtain. Also provide key switch control close to the equipment.
	1.7	Provide power outlet for 30 s shot clock.
	1.8	Provide power outlet for scoreboard.

GYMNASIUM (ASSEMBLY AREAS)		
Special Considerations	1	Clear Heights
	1.1	Elementary: 20' clear height (Refer to Appendix D, Drawing GL1, GL2)
	1.2	Middle/Junior: 22' clear height (Refer to Appendix D, Drawing GL3, GL4)
	1.3	Senior High: 23' clear height (Refer to Appendix D, Drawing GL5, GL6.)
	2	Clear height is the unobstructed space above the entire finished floor area to the underside of all structures including the mechanical equipment, lighting, fixtures, and excludes all swing-up basket balls backstops.
	3	Recess all items, to height of 12'-0" or less, including switches, outlets and bells, projecting beyond the wall finish in excess of 25mm. Provide bull-nose corners at all recesses.
	4	Hardware on storage room doors and washrooms shall be kept to a minimum (i.e. locks, push/pull) to reduce amount of projecting hardware. Recess all electrical switches outlets, bells, etc., finish wall in excess of 25 mm/or 1". Provide bull-nose corners at all recesses.
	5	All electrically-operated equipment (i.e. basketball backstops, gym divider curtain) shall be operated by key switches close to the equipment.
6	A vestibule from the gymnasium directly to the outside must be provided, in direction of sports field and appropriate weatherstripping around doors shall also be provided.	
7	Under stage chair storage if stage is adjacent to gym.	

MULTI-PURPOSE ROOMS (GYMNASIUM)	
Size	As per program
Activities	1 Classroom or Physical activity such as workouts and weights.
Doors	1 As per typical classroom.
Acoustical Separation	1 As per typical classroom.
Equipment and Furnishings	N/A
Casework	N/A
Finishes	1 Floor: vinyl composite tile 2 Walls: painted concrete block or painted fiber reinforced gypsum wallboard on all surfaces not protected by boards, cabinets, etc. 3 Ceilings: acoustic tile (2 x 4)
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 3 dual data outlets for general student use. 1.4 1 dual data outlet at the teachers desk. 1.5 1 bi-directional CATV outlet at the teacher's desk. 1.6 1 P.A. speaker in the ceiling.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 3 general duplex power outlets. 1.5 20A, 120V receptacle for treadmill. 1.6 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	1 Ensure room is directly accessible from gymnasium/classroom wing corridor 2 Facilitate monitoring by providing windows to gym. Such windows shall have tempered or wired glass and be a minimum size of half height by 8 lineal feet in length.

CHANGE & SHOWER ROOMS	
Size	As per program
Activities	1 Change areas for whole class groups or athletic teams complete with washroom and shower facilities.
Doors	1 As per Typical Classroom.
Equipment and Furnishings	1 Elementary (each room) 1.1 Fixed wall mounted bench for 15 people 1.2 Heavy wood dowels for hanging clothes for 15 people screwed and glued in place as per typical standard provided in Elementary corridor. 2 Junior High/High School (each room) 2.1 32 half height, heavy duty lockers complete with bench base, per change room, enhanced version similar to standard corridor locker. 2.2 Three hardwood benches, per change room 2.3 Minimum of 12 lineal feet of heavy wood dowels or coat hooks, screwed and glued in place as per typical standard provided in Elementary corridor. 2.4 Fixed wall mounted benches for 20 people.
Casework	1 Vanity for sinks.
Finishes	1 Change Room 1.1 Floor: vinyl tile or sheet vinyl 1.2 Walls: epoxy painted concrete block 1.3 Ceiling: Humidity resistant suspended acoustic ceiling tile 2 Washroom and Shower Rooms 2.1 Floor: ceramic tile 2.2 Walls: ceramic tile full height or concrete block with epoxy paint 2.3 Ceiling: painted drywall (Note: ceiling drywall to be water resistant)
Mechanical	1 See Special Considerations below. Also see Student Washrooms room data sheet for more information on plumbing fixture and trim types.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 P.A. speaker in the ceiling.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 duplex GFI power outlet for each two sinks/mirrors. 1.3 1 general duplex power outlet.

CHANGE & SHOWER ROOMS	
Special Considerations	<ol style="list-style-type: none"> 1 Quantity of Change and Shower rooms to be as per Program. 2 Change & Shower Rooms for Elementary Schools <ol style="list-style-type: none"> 2.1 accommodate 25 persons each 2.2 provide one water closet for females 2.3 provide one water closet and one urinal for males 2.4 provide one lavatory each 2.5 provide one barrier-free individual shower and dressing compartment each (gym size GL 1), one standard and one barrier-free (gym size GL 2) 3 Change & Shower Rooms for Middle & Junior High Schools <ol style="list-style-type: none"> 3.1 accommodate 30 persons each 3.2 provide two water closets for females 3.3 provide two water closets and one urinal for males 3.4 provide two lavatories each 3.5 provide two showers and two dressing compartments each (one to be barrier-free, each male & female) 4 Change & Shower Rooms for Senior High Schools <ol style="list-style-type: none"> 4.1 accommodate 30 persons each 4.2 provide two water closets for females 4.3 provide two water closet and one urinal for males 4.4 provide two lavatory each 4.5 provide four showers and four <i>associated</i> dressing compartments each (one to be barrier-free, each male & female) 5 The usual configuration is a washroom located within each change room. The barrier-free washroom contains the lavatory, water closet and shower 6 Access <ol style="list-style-type: none"> 6.1 Access to the shower rooms must be through the change rooms. 6.2 Access to the change rooms must be through the gymnasium only. 6.3 Locate washroom area at entrance to the change room such that the change rooms may be locked while washrooms remain open. 6.4 The change room doors must be located so as to be easily viewed by the teacher monitoring the gym activities NOTE: visibility into change rooms from gym is NOT acceptable and is to be suitably screened.

GYM OFFICE	
Size	96 sq. ft.
Activities	1 Office space for gym teacher.
Doors	1 As per Typical Classroom EXCEPT no lite.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 One tack board, 12 SF
Casework	1 N/A
Finishes	1 Floor: vinyl tile 2 Walls: painted concrete block 3 Ceilings: acoustic tile
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Telephone/public address handset at the teacher's desk. 1.2 1 voice outlet at the teachers desk for the above mentioned handset. 1.3 1 dual data outlet.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 general duplex power outlet.
Special Considerations	1 Facilitate monitoring of gym and locker entrances by providing window to gym. Ensure window is of tempered or wire glass. 2 Office is to be located adjacent to change rooms within full view of change room entry.

GYM STORAGE	
Size	As per program
Activities	1 Storage and dispensing of gym equipment.
Doors	1 Double or oversized door(s)
Equipment & Furnishings	1 Adjustable clip-on metal shelving, 15 linear feet, 7 feet high.
Casework	N/A
Finishes	1 Floor: vinyl tile 2 Walls: painted concrete block 3 Ceiling: exposed structure if permitted by code
Mechanical	1 Mechanical exhaust required.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets.
Special Considerations	1 Secure part of room with wire mesh partition, complete with lockable wire mesh door for storage of uniforms. 2 Provide storage mezzanine if ceiling height allows it (i.e. 16 ft. to underside of structure). Complete with staircase and guardrails to NBCC. 3 Ensure convenient accommodation for gym floor tarp rolling racks, unless accomodated elsewhere.

STAGE (Portable or Permanent as per Program)	
Size	As per program
Activities	1 Presentations to large audiences.
Doors	N/A
Moveable Walls	1 One moveable partition is required to relocate to either side of stage openings. Side facing gym to have high durability finish.
Acoustical Separation	1 As per Typical Classroom.
Equipment & Furnishings	<p>1 Special Equipment: for specifications refer to Part 2, Section 2, 11060.</p> <p>1.1 One moveable partition is required to relocate to either side of stage openings.</p> <p>1.2 Proscenium arch curtains(s), mechanically operated</p> <p>1.3 One motorized projection screen (12' x 15')</p> <p>1.4 Cyclorama (backdrop) curtains</p> <p>1.5 Under stage chair storage dollies</p> <p>1.6 Chair Dollies: minimum quantity. 10' x 8' match to capacity of seating area long units and 10' x 6' long units ganged together in pairs to form 10' x 14' long units number to accommodate maximum seating capacity of related assembly areas.</p> <p>1.7 Stage Curtain Track</p> <p>1.8 Stage Curtain: Quantity as required to suit design</p> <p>1.9 Cyclorama Track and Curtain:</p> <p>1.10 Provide Cyclorama track and curtain at stage as indicated on drawing.</p>
Casework	N/A
Finishes	<p>1 Finishes (Permanent Stage):</p> <p>1.1 Floor: softwood except 36" wide hardwood skirt facing performance area(s) as specified in Division 09, Section 09640.</p> <p>1.2 Walls: painted concrete block</p> <p>1.3 Ceiling: exposed structure</p> <p>2 Where Stage and Drama rooms are combined spaces refer to Drama Room Data Sheet for finishes, including size of hardwood flooring. Ensure that 36" wide hardwood skirt is provided from the moveable partition to the edge of the raised floor.</p>
Mechanical	1 No special mechanical requirements

STAGE (Portable or Permanent as per Program)	
Communications	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ul style="list-style-type: none"> 1.1 Telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 3 dual data outlets for general student use. 1.4 1 dual data outlet at the telephone location. 1.5 1 bi-directional CATV outlet at the telephone location. 1.6 Gym/cafeteria public address system. 1.7 Assistive listening system.
Electrical	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ul style="list-style-type: none"> 1.1 Lighting: <ul style="list-style-type: none"> 1.1.1 Elementary Schools: <ul style="list-style-type: none"> 1.1.1.1 Front of House - provide twelve (12) focusable ellipsoidal dimmable track lights. Lights must be configured to deliver four (4) scenes minimal (this involves focussing a minimum of (3) lights on one area of the stage). 1.1.1.2 Stage (back of proscenium) - provide four (4) fresnel dimmable track lights and three (3) focusable ellipsoidal dimmable track lights. Also, provide 5 spare receptacles. 1.1.1.3 Cyclorama lighting - provide four (4) fresnel dimmable track lights and three (3) focusable ellipsoidal dimmable track lights. Also, provide 5 spare receptacles. 1.1.1.4 Back of House - provide six (6) dimmable blue work lights c/w a dimmer on the stage. 1.1.1.5 Provide 6 receptacles for user supplied track side stage lights, 3 on each side of the stage. 1.1.1.6 Provide dimming control console on or adjacent to the stage.

STAGE (Portable or Permanent as per Program)	
Electrical (continued)	<p>1.1.2 Junior High and High Schools:</p> <p>1.1.2.1 Front of House - provide twelve (12) focusable ellipsoidal dimmable theatrical lights. Lights must be configured to deliver four (4) scenes minimal (this involves focussing a minimum of (3) lights on one area of the stage).</p> <p>1.1.2.2 Stage (back of proscenium) - provide four (4) cyclorama theatrical lights and three (3) focusable ellipsoidal dimmable theatrical lights. Also, provide 5 spare receptacles.</p> <p>1.1.2.3 Cyclorama lighting - provide four (4) fresnel dimmable theatrical lights and three (3) focusable ellipsoidal dimmable theatrical lights. Also, provide 5 spare receptacles.</p> <p>1.1.2.4 Back of House - provide six (6) dimmable blue work lights c/w a dimmer on the stage.</p> <p>1.1.2.5 Provide 6 receptacles for user supplied theatrical side stage lights, 3 on each side of the stage.</p> <p>1.1.2.6 Provide 2 dimming control console receptacles in the gym, 1 adjacent to the stage and 1 on the opposite wall.</p> <p>1.1.3 Provide 50 footcandles, average, maintained for general house lighting.</p> <p>1.1.4 Provide 6 compact fluorescent/glass globe fixtures under the stage.</p> <p>2 2 duplex power outlets beside each dual data outlet.</p> <p>3 1 duplex power outlet adjacent to the CATV outlet.</p> <p>4 2 general duplex power outlets.</p> <p>5 Stage panel and associated receptacles.</p> <p>6 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing outlets, maximum 3' - 0" from end of counter.</p>
Special Considerations	<p>1 Barrier-free access shall be provided with a ramp unless prohibited by existing or regulatory conditions.</p> <p>2 Two means of egress must be provided from stage using permanent fixed stairs, one on each side of stage.</p>

CAFETERIA	
Size	As per program
Activities	1 In addition to the uses already listed the cafeteria may also be a learning space and/or an extension of the entrance lobby.
Doors	1 Exterior door to the outside cafeteria terrace is required. 2 Cafeteria entrance doors from corridors are to be full lite doors.
Acoustical Separation and Performance	1 Acoustical Report 1.1 If the cafeteria is to be used as a performance space, the Contractor shall ensure an acoustical study of the cafeteria by a recognized acoustical engineer is carried out and recommendations of that study are incorporated into the design.
Equipment and Furnishings	1 One overhead motorized projection screen (minimum size 12' x 15') electrically operated. 2 Room darkening window treatment. 3 Cuing rail (fully recessed into concrete slab)
Casework	N/A
Finishes	1 Floor: resilient tile 2 Walls: 2.1 Painted concrete block or painted fiber reinforced gypsum wallboard on all surfaces not protected by boards, cabinets, etc. 2.2 Fabric acoustic wall panels as described in Section Five - 5.9.4 are required. A minimum of 25% of the wall area is to be covered with these panels. 3 Ceilings: acoustic tile (2 x 4)/Acoustic St'l deck.
Mechanical	1 Provide a dedicated cafeteria ventilation system that meets ASHRAE and other Design Requirements for all occupancy scenarios. Provide a return air carbon dioxide sensor (setpoint adjustable via the building automation system) for control of outside air.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 4 dual data outlets. 1.1 Cafeteria/gymnasium public address system. 1.2 1 bi-directional CATV outlet. 1.3 Assistive listening system.

CAFETERIA	
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting: <ol style="list-style-type: none"> 1.1.1 50 footcandles, average, maintained (fluorescent) with multi-level switching. 1.1.2 10 footcandles, average, maintained (incandescent, dimmable). 2 2 duplex power outlets beside each dual data outlet. 3 1 duplex power outlet adjacent to the CATV outlet. 4 5 general duplex power outlets. 5 1 split duplex receptacles for each 2 vending machines. 6 1 receptacle for each microwave. 7 1 receptacle for each cash register.
Special Considerations	<ol style="list-style-type: none"> 1 The shape is critical if the cafeteria is to be used as a performance space. See music room description for shape criteria. 2 Windows to the corridor are a requirement. These are to be half height windows, a minimum of 50% of the available corridor wall area. 3 Cafeteria Servery Window - the size of this window is to be a minimum of 12' wide. 4 Ceiling Heights: Minimum height - A storey and a half over the entire floor area.

KITCHEN	
Size	As per program
Activities	<ol style="list-style-type: none"> 1 For food preparation
Doors	<ol style="list-style-type: none"> 1 Service door to the exterior is required from the kitchen, near the storage room. <ol style="list-style-type: none"> 1.1 This door must be accessible by a heavy truck and must be remote from the main entry door 2 Direct access must be provided from the Kitchen to the Cafeteria. This is not to occur through the Kitchen Storage room.
Acoustical Separation and Performance	<ol style="list-style-type: none"> 1 Acoustical report <ol style="list-style-type: none"> 1.1 Refer to Cafeteria Room Data Sheet.

KITCHEN		
Equipment and Furnishings	<ul style="list-style-type: none"> 1 Sandwich Unit 2 Microwave Oven 3 Servery Counter Millwork, Custom built to Div 06 c/w. s/s counter top 4 Hot Food Table 5 Overshelf 6 Display cooler - Glass door Refrigerator 7 Tray Rail 8 Veg Sink 9 Pass Thru 10 Recycle Bins, Rubbermaid 9569 11 Dish Rack Shelf 12 Soiled Dishtable 13 Dishwasher 14 Clean Dishtable/Pot Sinks 15 Wall Shelf 16 Convection Oven 17 Heavy Duty Range 18 Exhaust Hood 19 Service Chase 20 Work Table c/w Sink 21 Pot Rack 22 Overshelf 23 Mobile Bins 24 Bakers Table 25 Hand Sink 26 Refrigerator 27 Freezer 28 Storage Shelving 29 Bagel Toaster (NIC) 30 Work Tables 32 Triple Sink 31 Refer to Part 2, Section 2, 11400, Div 6 and Div 15 for specifications and ASK 11 for typical layout. 	
Casework	<ul style="list-style-type: none"> 1 Base and overhead cabinets as required to suit layout 2 Shelving provided underneath the full length of the front Servery Counter must have doors. This is required to ensure proper hygiene of items stored here as protection from dust, floor cleaning solutions etc. 	
Finishes	<ul style="list-style-type: none"> 1 Walls: ceramic wall tile or epoxy paint on concrete block. 2 Floors: non-slip sheet flooring specifically designed for kitchen (wet) areas. The finish on this floor must allow for thorough cleaning while still providing effective non slip quality. 	

KITCHEN		
Mechanical	<ul style="list-style-type: none"> 1 Provide a stainless steel grease exhaust hood and dedicated fan for each Heavy Duty Range. Grease exhausts shall meet NFPA 96 requirements. 2 Provide an automated supply of outside make-up air to kitchen, refer to Part 1, Section 2, Division 15, item 15010 of DC350. 3 Provide a dedicated general exhaust fan for the kitchen to remove heat generated from equipment and maintain air movement when the grease exhaust fan is off. Do not use the exhaust hood for general ventilation purposes. 4 Provide a separate wall hung vitreous china lavatory, minimum size 510 mm (20") x 460 mm (18"), faucet with indexed lever (4" max) handles, combination supply and pop-up waste. 5 Also provide hot, cold water and waste connections and trim for the sinks/equipment listed under Equipment and Furnishings above. Faucets shall have indexed lever (4" max) handles. 6 Dishwashers and pot sinks in the kitchen area require domestic hot water at 140°F minimum. 	
Communications	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ul style="list-style-type: none"> 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 	
Electrical	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ul style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching utilizing clean-room fluorescent fixtures. 1.2 2 general duplex power outlets. 1.3 Minimum 1 split duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 1.4 Power outlets for all kitchen equipment. 1.5 1 duplex receptacle for cash register. 1.6 20A, 120V power outlet for each microwave oven. 1.7 30A, 208V, single phase power outlet for each bagel toaster. 	
Special Considerations	<ul style="list-style-type: none"> 1 Ensure acceptable clearance between combustible cabinets and equipment, including range hoods. 2 Equipment: <ul style="list-style-type: none"> 2.1 Coordinate kitchen equipment with food service provider where applicable. 3 Provision for discrete handling of garbage must be made. 4 Provide an entry for the Kitchen Staff to the Kitchen other than through the cafeteria. 5 Provide a mop sink within immediate proximity to the kitchen. 	

KITCHEN STORAGE	
Size	Minimum 120 sq. ft.
Activities	1 Chef's office and storage of non-perishable food
Doors	1 As per Typical Classroom except no lite.
Moveable Walls	N/A
Acoustical Separation	N/A
Equipment and Furnishings	1 Kitchen Storage Shelving 2 25 lineal feet of 18" deep adjustable shelving (5 sections 6" high)
Casework	N/A
Finishes	1 Walls: ceramic tile or epoxy paint on concrete block.
Mechanical	1 No special mechanical requirements.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	

OUTSIDE STORAGE	
Size	As per program
Activities	2 Storage of outdoor maintenance equipment
Doors	1 Single leaf, oversize door, 4'-0" wide opening outward.
Acoustical Separation	N/A
Equipment and Furnishings	N/A

OUTSIDE STORAGE	
Casework	N/A
Finishes	1 Floor: painted concrete or concrete with a chemical hardener. 2 Walls: painted concrete block. 3 Ceilings: exposed structure where permitted by code.
Mechanical	1 Dedicated mechanical exhaust required.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 general duplex power outlet.
Special Considerations	1 Ensure paved access at grade. 2 Protection against possible freezing of water and sprinkler pipes. 3 Must have 2 hour fire separation.

RECEPTION/GENERAL OFFICE (ADMINISTRATION)	
Size	As per program
Activities	1 Secretarial and reception services for school administration. Visual control of front entrance, main stairway and elevator.
Doors	1 Entry doors to this area to be double leaf entry with full lites in both.
Acoustical Separation and Performance	1 Separation between adjacent spaces STC 42. 2 Sound level in unoccupied room, 40 dBA.
Equipment and Furnishings	1 One tack board 4' x 4'. 2 Room darkening: vertical blinds.
Casework	1 Barrier free reception counter. 2 Work stations for at least three staff (more if area is larger than 500 SF). 3 Teacher's mailboxes (slots) @ 1.5 x number of classrooms. 4 Key storage Cabinet. Refer to Door Hardware 08710
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.

RECEPTION/GENERAL OFFICE (ADMINISTRATION)		
Communications	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Main station for the public address system. 1.2 1 telephone/public address handset for each workstation. 1.3 1 voice outlet for each of the above mentioned handsets. 1.4 1 dual data outlet for each workstation. 1.5 1 bi-directional CATV outlet. 	
Electrical	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 3 general duplex power outlets. 1.5 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 1.6 1 duplex power outlet for each fax machine. 1.7 1 duplex power outlet for each printer. 	
Special Considerations	<ul style="list-style-type: none"> 1 Provision for reception seating. 2 View to front lobby, main stair, elevator and bus drop off from reception/general office. 3 Direct access to outside natural light. 4 All available wall area (minimum 15'-0") between reception and adjacent lobby/corridor, are to be half height glazing. 	

PRINCIPAL'S OFFICE (ADMINISTRATION)	
Size	Elementary School 140 sq ft Elementary/Jr. High 150 sq ft High/High 160 sq ft
Activities	1 School Administration and meetings with up to six people.
Doors	1 As per Typical Classroom with full sidelite (see below). Where space does not exist to provide the sidelite, this door is to be a full lite door.
Acoustical Separation and Performance	1 Separation between adjacent spaces STC 42. 2 Sound level in unoccupied room, 40 dBA.
Equipment and Furnishings	1 One tack board 4' x 4'. 2 Room darkening: vertical blinds.
Casework	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.1 1 voice outlet for the above mentioned handset. 1.2 1 dual data outlet.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.1 2 duplex power outlets beside each dual data outlet. 1.2 3 general duplex power outlets.
Special Considerations	1 View to bus loop and front door of school. 2 Direct access to outside natural light. 3 Sidelites to be 2' wide X full height c/w horizontal metal window blinds.

VICE PRINCIPAL'S OFFICE (ADMINISTRATION)	
Size	120 sq ft
Activities	1 School Administration
Doors	1 As per typical classroom with full sidelite (see below). Where space does not exist to provide the side lite, this door is to be a full lite door.
Acoustical Separation and Performance	1 Separation between adjacent spaces STC 42. 2 Sound level in unoccupied room, 40 dBA.
Equipment and Furnishings	1 One tack board 4' x 4'. 2 Room darkening: vertical blinds.
Casework	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 1 dual data outlet.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 3 general duplex power outlets.
Special Considerations	1 If the Principle's office views the bus loop and front door then the Vice Principal's need not. 2 Direct access to outside natural light. 3 Sidelites to be 2' wide X full height c/w horizontal metal window blinds.

CONFERENCE ROOM (ADMINISTRATION)	
Size	As per program
Activities	1 School Administration and meetings with up to six people.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 One Tack board 16 Sq. Ft. 2 One Communication Board 32 Sq. Ft.
Casework	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 1 dual data outlet. 1.4 1 bi-directional CATV outlet.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting: 1.1.1 50 footcandles, average, maintained (fluorescent) with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 3 general duplex power outlets. 1.5 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	1 Access from Corridor.

STORAGE/PHOTOCOPY (ADMINISTRATION)	
Size	100 sq ft
Activities	1 Storage of supplies & operation of photocopier.
Doors	1 Provide a door to the corridor and an interconnecting door to the Administration Area. Door type, as per typical classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	N/A
Casework	1 Base Cabinet minimum 8' long X 24" wide X 36" high with adjustable shelving and doors. 2 Wall Cabinet 8' long X 36" high X 12" clear inside width, adjustable shelving and doors. 3 One row of floor to ceiling shelving, minimum 10' long with 6 adjustable shelves. Doors are not required.
Finishes	1 As per Typical Classroom.
Mechanical	1 Provide a dedicated exhaust system for the copier(s).
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 voice outlet for the fax. 1.2 1 dual data outlet for the printer(s).
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 general duplex power outlet. 1.4 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 1.5 1 dedicated outlet for the photocopier. 1.6 1 duplex power outlet for the fax. 1.7 1 duplex power outlet for the printer.
Special Considerations	1 Direct access to corridor and direct access to Administration.

SICK ROOM (ADMINISTRATION)	
Size	80 sq ft
Activities	A resting place for students who are temporarily ill.
Doors	1 A door to the General Administration area is required for access and surveillance by staff. 2 An interconnecting door to washroom is required for access and convenience of use.
Acoustical Separation and Performance	1 Separation between adjacent spaces STC 42. 2 Sound level in unoccupied room, 40 dBA.
Equipment and Furnishings	N/A
Casework	N/A
Finishes	1 Floor: vinyl composite tile. 2 Walls: painted concrete block or painted drywall. 3 Ceilings: acoustic tile.
Mechanical	1 No special mechanical requirements.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting 1.1.1 30 footcandles, average, maintained (incandescent, dimmable). 1.2 1 general duplex power outlets.
Special Considerations	1 Ensure Sick Room-Washroom is accessible directly from Sick Room.

SICK ROOM-WASHROOM (ADMINISTRATION)	
Size	Barrier Free
Activities	1 Self explanatory
Doors	1 As per Typical Classroom EXCEPT no door lite.
Acoustical Separation	1 Separation from adjacent occupancies, minimum STC 42.
Equipment and Furnishings	N/A
Casework	N/A
Finishes	1 Floor: ceramic tile. 2 Walls: half height ceramic tile with drywall from edge of tile to ceiling.. 3 Ceiling: humidity resistant suspended acoustical ceiling tile.
Mechanical	1 Wall hung vitreous china lavatory, barrier free, minimum size 510mm (20") x 460 mm (18"), faucet with indexed lever (4" max) handles, combination supply and waste, open strainer. 2 Water closet shall be barrier free, wall mounted with elongated rim and manual flush valve.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 emergency cord pull cord station.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 G.F.I. duplex power outlet.
Special Considerations	1 Ensure Sick Room-Washroom is accessible directly from Sick Room. 2 Ensure washroom meets barrier free guidelines for fixtures, equipment and layout.

STAFF ROOM (ADMINISTRATION)	
Size	As per program including support areas.
Activities	1 Staff Lounge and workroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 Two tack boards 4' x 4' each 2 room darkening vertical blinds
Casework	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 See special considerations below.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 2 dual data outlets. 1.4 1 P.A. speaker in the ceiling. 1.5 1 bi-directional CATV outlet.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 4 general duplex power outlets. 1.5 Minimum 1 split duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 2 See special considerations below.
Special Considerations	1 Refer to Appendix C, ASK-12 for typical layout. 2 Ensure Staff Rooms are set apart from the administration area and subdivide into two separate areas; one of which will be a Work Room (See Staff Work Room Room Data Sheet). 3 Provide an ajointed Coat Closet Area storage (See Coat Closet Area Room Data Sheet) 4 Provide a small Staff Kitchen (See Staff Kitchen Room Data Sheet), and two barrier-free washrooms (See Staff Washrooms (including Shower Area) Room Data Sheet). 5 Ensure independent use of the coat room, kitchen and washroom without entering the Work Room.

STAFF WORK ROOM -(ADMINISTRATION)	
Size	150 sq ft (minimum)
Activities	1 Teachers preparing for class work.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 Two tack boards 4' x 4' each. 2 Room darkening vertical blinds.
Casework	1 One base cabinet for collating 36" high X 30" wide, minimum 10' long with adjustable shelving and doors. 2 One upper cabinet 24" high X 12" clear inside width, minimum 10' long with adjustable shelving. 3 One post formed counter top for CPU work, 32" high X 24" deep, open below for knee space, c/w cabling grommets, minimum accommodation for 3 CPUs.
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 3 dual data outlets.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 2 general duplex power outlets. 1.4 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 1.5 1 duplex outlet for the photocopier.
Special Considerations	1 Area may be distributed around school at the discretion of the school board 2 Must have one located adjacent and connected to the Staff Lounge complete with independent access from corridor.

STAFF KITCHEN - STAFF ROOM	
Size	Included in Staff Lounge
Activities	1 Making coffee and/or individual lunches.
Doors	N/A
Acoustical Separation	N/A
Equipment and Furnishings	1 Microwave oven. 2 15 cu. ft. refrigerator, with adjustable swing door.
Casework	1 Staff Kitchen - Base and wall cabinet shall be minimum 8' long not including width of fridge.
Finishes	1 As per Typical Classroom.
Mechanical	1 One stainless steel barrier-free ledge back sink, minimum bowl size 450 mm (18") wide x 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever (4" max) handles, basket strainer and waste. 2 Provide a hot water and waste connection, capped for future installation of a dishwasher.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 Minimum 1 split duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter. 1.3 1 duplex power outlet for all pieces of kitchen equipment including: 1.3.1 fridge 1.3.2 microwave 2 See Special Considerations below
Special Considerations	1 Open to Staff Lounge.

COAT CLOSET AREA - STAFF ROOMS	
Size	0.5 sq ft x No. of Classrooms
Activities	1 Self explanatory
Doors	None
Equipment and Furnishings	1 Coat rails and hat shelf.
Casework	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained.
Special Considerations	1 Ensure access to the coat room without traveling through the staff room or the staff work room.

STAFF WASHROOMS (Including Shower Area)	
Size	Barrier Free
Activities	1 Self explanatory.
Doors	1 As per Typical Classroom EXCEPT no door lite.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	N/A
Casework	N/A
Finishes	1 Floors: ceramic tile or porcelain tile. 2 Walls may be either: 2.1 Epoxy painted concrete block, or 2.2 ceramic tile full height in shower; half-height ceramic tile for the lower portion of the wall, and epoxy paint finished moisture resistant drywall on the upper portion of the wall, in remainder portion of the area. 3 Ceiling: painted drywall.

STAFF WASHROOMS (Including Shower Area)		
Mechanical	<ul style="list-style-type: none"> 1 Wall hung vitreous china lavatory, barrier free, minimum size 510 mm (20") x 460 mm (18"), faucet with indexed lever (4" max) handles, combination supply and waste, open strainer. 2 Water closet shall be floor mounted, elongated rim with flush tank. 3 One barrier free shower closet for each staff washroom. 3.1 Barrier free shower closet complete with flip down shower bench seat. Shower shall be barrier free, detachable hand spray unit with flexible metal hose, minimum 600 mm (24") slide bar, shower valve shall be pressure balanced actuated element, integral stops, lever handle. 	
Communications	N/A	
Electrical	<ul style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ul style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 G.F.I. duplex receptacle at the sink/mirror. 	
Special Considerations	<ul style="list-style-type: none"> 1 Identical to washroom for administration area except: <ul style="list-style-type: none"> 1.1 All staff/individual washrooms are to be barrier free. 1.2 Two Staff Washrooms are required adjacent to the Staff Room. 1.3 Other Staff Washrooms are required in each academic wing, or cluster at a frequency of one per every 16 classrooms, and located to minimize the travel distance from classroom to washroom. 1.4 Provide staff washroom for 2nd floor classroom areas and "remote classrooms" on the basis of 1 per 8 classrooms. 	

GUIDANCE RECEPTION AREA (STUDENT SERVICES)	
Size	As per program.
Activities	1 Meeting with councillors and students, display of promotional material, reception area for adjacent guidance offices, provision for secure storage.
Doors	1 As per Typical Classroom EXCEPT with full sidelite (see below).
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 Three tack boards 4' x 4' each. 2 Room darkening vertical blinds.
Casework	1 Display shelving for magazine type material. Minimum four shelves high x 48" long.
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 2 dual data outlets.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained. 1.2 3 general duplex power outlets. 1.3 2 duplex power outlets beside each dual data outlet. 1.4 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	1 Secure storage capability for confidential records to be provided with lockable room Sized : 80 sq. See Records Storage Room. 2 Sidelites to be 2' wide X full height c/w horizontal metal window blinds.

GUIDANCE OFFICE (STUDENT SERVICES)	
Size	100 sq ft
Activities	1 Guidance meetings.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 One tackboard 16 SF. 2 Room darkening vertical blinds.
Casework	None
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 1 dual data outlet
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 general duplex power outlet.
Special Considerations	1 Natural light is a requirement.

RECORDS STORAGE ROOM (STUDENT SERVICES)	
Size	80 sq ft
Activities	1 Secure records storage.
Doors	1 As per Typical Classroom.
Acoustical Separation	N/A
Equipment and Furnishings	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 duplex power outlet.
Special Considerations	1 A window is not required. 2 See special considerations re: Guidance Reception Area.

ITINERANT SPECIALIST (STUDENT SERVICES)	
Size	90 sq ft
Activities	1 One on one consulting or small group meetings.
Doors	1 As per Typical Classroom.
Equipment and Furnishings	1 One tackboard 16 SF.
Casework	None
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.

ITINERANT SPECIALIST (STUDENT SERVICES)	
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 2 1 dual data for general use.
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 3 general duplex power outlets.
Special Considerations	<ol style="list-style-type: none"> 1 Locate these rooms in the student services area of the building but they need not be accessed through the guidance suite. If there are several other student services offices, access will be through a student services reception area. 2 Itinerant Specialists offer services including speech language pathology, school psychology and social workers. 3 One, two or three rooms may be required (see specific school program for exact requirements).

COMMUNITY LIAISON OFFICE (STUDENT SERVICES)	
Size	100 sq ft
Activities	1 Community Office.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 One tackboard 16 SF.
Casework	None
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 2 1 dual data for general use.

COMMUNITY LIAISON OFFICE (STUDENT SERVICES)	
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 3 general duplex power outlets.
Special Considerations	1 Locate these rooms in student services off General Lobby area of the building but they need not be accessed through the Guidance Suite.

TEEN HEALTH	
Size	Per school program.
Activities	1 Information and consultation, health centre for teens.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	1 One communications board 16 sq. ft. 2 One tackboard 16 SF.
Casework	None
Finishes	1 As per Typical Classroom.
Mechanical	1 In the barrier free washroom: 2 Wall hung vitreous china lavatory, barrier free, minimum size 510mm (20") x 460 mm (18"), faucet with indexed lever (4" max) blade handles, combination supply and waste, open strainer. 3 Water closet shall be barrier free, wall mounted with elongated rim and manual flush valve.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 2 1 single data for general use.

TEEN HEALTH	
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 1 duplex power outlet beside each single data outlet. 1.3 3 general duplex power outlets. 1.4 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	<ol style="list-style-type: none"> 1 Natural light is required. 2 This is usually a suite consisting of one or two offices and a waiting area, separate from other rooms in the school, and able to be discretely entered. 3 Ensure The Teen Health Centre is accessible by students without going through or passing by administration offices or the staff room. 4 Entrance from exterior to be located in actual area or close by. 5 Barrier free washroom to be attached to one of the offices with access from reception area as well.

RECEPTION/WAITING AREA (TEEN HEALTH)	
Size	150 sq ft minimum
Activities	<ol style="list-style-type: none"> 1 This room should serve as an ante-room for the Teen Health areas and for display of Teen Health literature
Doors	<ol style="list-style-type: none"> 1 As per Typical Classroom.
Acoustical Separation	<ol style="list-style-type: none"> 1 As per Typical Classroom.
Equipment and Furnishings	<ol style="list-style-type: none"> 1 One communications board 16 sq. ft. 2 One tackboard 16 SF. 3 Room darkening: vertical blinds.
Casework	None
Finishes	<ol style="list-style-type: none"> 1 As per Typical Classroom.
Mechanical	<ol style="list-style-type: none"> 1 No special mechanical requirements.
Communications	<ol style="list-style-type: none"> 1 Provide all infrastructure wiring and outlets as required for the following equipment and/or systems: <ol style="list-style-type: none"> 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 1 dual data for general use.

RECEPTION/WAITING AREA (TEEN HEALTH)	
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 3 general duplex power outlets.
Special Considerations	<ol style="list-style-type: none"> 1 Natural light is required. 2 Locate these rooms adjacent to Student Services area of the building but need not be accessed through the Guidance Suite.

STUDENT COUNCIL ROOM/YEAR BOOK ROOM	
Size	As per program.
Activities	Student use
Doors	1 As per Typical Classroom.
Acoustical Separation	1 As per Typical Classroom.
Equipment and Furnishings	N/A
Casework	N/A
Finishes	1 As per Typical Classroom.
Mechanical	1 No special mechanical requirements.
Communications	1 1 dual data outlet.
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 3 general duplex power outlets. 1.3 2 duplex power outlets adjacent to dual data.
Special Considerations	1 Located off corridor.

LOBBY (CIRCULATION)	
Size	Relative to the size of the school.
Activities	1 Welcoming people to the school, a display area, a gathering place, registration area for special events.
Doors	1 All entrance and exit doors to be full lite doors.
Acoustical Separation	1 Separation from adjacent occupancies, minimum 42 STC.
Equipment and Furnishings	1 128 sq. ft. Tackboard to serve as display areas.
Casework	1 Lobby Display Cabinet 1.1 Minimum height of 7'-0", depth of cabinets to be 24". 1.2 Length 12 lineal feet for Elementary. Length 16 lineal feet for Middle School. Length 20 lineal feet for High School. 1.3 Lockable glass display cabinets with adjustable shelves. 1.4 Provide ½" X ½" X ½" silver parabolic louvre and valence for fluorescent lighting. 1.5 Display Case(s) glass to be tempered
Finishes	1 Quarry tile or porcelain tile. 2 Walls: all walls in lobby and circulation areas shall be concrete block, epoxy painted.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 2 voice outlets for payphones. 1.2 2 dual data outlets. 1.3 P.A. speakers in the ceiling. 1.4 1 bi-directional CATV outlet (for each floor level).
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting: 1.1.1 30 footcandles, average, maintained 1.1.2 Task lighting for display cabinets: fluorescent fixtures mounted in architectural valence, length to suit cabinet construction. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 1 duplex power outlet adjacent to the CATV outlet. 1.4 3 general duplex power outlets.

LOBBY (CIRCULATION)	
Special Considerations	<ol style="list-style-type: none"> 1 Full size barrier free elevator. 2 Ceremonial stair in full view of the Administration offices connecting the floor level above, in multi level building.. 3 The lobby provides the first impression of the school. 4 Ensure the lobby is spacious, bright with natural light (consider use of clerestory windows,) minimum 10% floor area. 5 Ensure the lobby space shall be is inviting and makes use of design features such as cove lighting, bulkheads, gypsum board ceiling, and recessed incandescent lighting.. 6 Ensure the lobby has a minimum finished ceiling height of 10' over 90% of its total area. 7 Ensure ceremonial stair and elevator open to the lobby. 8 Ensure lobby is in close proximity to the library and the gym. 9 Ensure the size of the lobby is in proportion to the size of the school, and capable of containing large numbers of people for student arrivals and community use. 10 Ensure the lobby and corridors contain display space and cabinets for cultural representation of the community and student work. Cabinets as per above. 11 Provide corridor security doors between the lobby and student academic wings. 12 Provide for graphic logo in lobby area flooring to reflect school vision or historical theme.

CORRIDORS (CIRCULATION)	
Size	<ol style="list-style-type: none"> 1 Not less than 9' clear width for all student corridors (Net of lockers, hat racks, door swings, etc.). Provide protection for out swinging doors into corridors (Effective width shall not be reduced with out swinging doors). 2 Service corridors to be a minimum of 6' clear width.
Activities	<ol style="list-style-type: none"> 1 People movement, gathering spaces, small group discussion areas, lockers and/or coat hooks.
Doors	<ol style="list-style-type: none"> 1 All corridor doors to be full lite doors.
Acoustical Separation	<ol style="list-style-type: none"> 1 Separation from adjacent occupancies to meet requirements for specific rooms.

CORRIDORS (CIRCULATION)	
Equipment and Furnishings	<p>1 For elementary schools</p> <p>1.1 Coat Hooks</p> <p>1.1.1 One coat hook per design occupant load for elementary schools at 10" o.c. Each student to have their own hook.</p> <p>1.2 Shelves:</p> <p>1.2.1 Provide minimum 12" deep shelves, over coat hooks. Refer to Appendix C, ASK - 18. Locate in close proximity to classrooms.</p> <p>2 For middle/junior and senior high schools.</p> <p>2.1 Lockers: ½ height heavy duty locker 15" wide X 12" deep. One locker per design student enrollment.</p>
Casework	<p>1 Not required.</p>
Finishes	<p>1 Floor: Quarry tile or porcelain tile in public corridors (extended community use), otherwise vinyl composite tile or linoleum.</p> <p>2 Walls: All walls in public/main corridors shall be concrete block epoxy painted..</p> <p>3 Ceilings: Corridors shall have a typical ceiling height not less than 9'-0" with no aspect of the corridor lower than 8'-0".</p>
Mechanical	<p>1 Provide wall mounted, barrier free, steel refrigerated water coolers with pushbars on front and both sides, one piece stainless steel top and backsplash.</p> <p>2 Locate one refrigerated water cooler in each classroom wing on all levels.</p> <p>3 In the primary wing of elementary schools, the water cooler shall be bi-level with the upper unit mounted at the lower end of the barrier free height range.</p>
Communications	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 P.A. speakers in the ceiling.</p>
Electrical	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 Lighting:</p> <p>1.1.1 30 footcandles, average, maintained (fluorescent).</p> <p>1.1.2 Task lighting for display cabinets: fluorescent fixtures mounted in architectural valence, length to suit cabinet construction.</p> <p>1.2 General duplex power outlets every 10m.</p>

CORRIDORS (CIRCULATION)	
Special Considerations	<ol style="list-style-type: none"> 1 Long straight corridors are not acceptable as they are difficult to supervise and not conducive to quiet movement of large numbers of students. 2 Corridors to be designed for ease of movement, way finding, and effective supervision. Compact corridors will promote the above and encourage student participation and general comfort. 3 Natural light at corridor terminations or corners is a requirement. 4 Lockers and Coat hooks are to be immediately proximate to the classrooms they serve.

STAIRS (CIRCULATION)	
Size	As per the National Building Code of Canada
Activities	<ol style="list-style-type: none"> 1 Movement of large groups of people from floor to floor to requirements of National and Provincial Codes.
Doors	
Acoustical Separation	<ol style="list-style-type: none"> 1 Separation from adjacent occupancies to meet requirements for specific rooms.
Equipment and Furnishings	<ol style="list-style-type: none"> 1 To requirements of National and Provincial Codes.
Finishes	<ol style="list-style-type: none"> 2 Floor: All stairs shall have quarry tile floors, landings, and treads. Tactile nosings shall be provided along with colour identifications.
Mechanical	<ol style="list-style-type: none"> 1 No special mechanical requirements.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 P.A. speakers in the ceiling..
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 general duplex power outlets at each floor entrance.
Special Considerations	<ol style="list-style-type: none"> 1 Ceremonial main stair-if two story building, this must be located within view of Administration and the main entry and must open on to Main Lobby. 2 All handrails are to be of stainless steel construction.

STUDENT WASHROOMS (BUILDING SUPPORT SERVICES)	
Size	As per National Building Code of Canada based on a student population of 35 students per classroom. Plus an additional 25% in excess of base number distributed evenly throughout the school.
Activities	1 Self evident.
Doors	1 Provide visual privacy without the use of corridor doors.
Acoustical Separation	1 Separation from adjacent occupancies 48 STC.
Equipment and Furnishings	<ol style="list-style-type: none"> 1 Toilet partitions, shall be floor mounted for elementary schools, high pressure particle board cores, with plastic laminate faces with all edges fully wrapped with plastic laminate. All fastenings shall have through bolts including door hardware. Middle and high school toilet partitions require a greater durability standard and are to be phenolic resin core construction 2 Provide mirrors, waste receptacles supply and installation. Installation of soap and paper towel dispensers to be coordinated with the school board. 3 Refer to Part 2, Section 2, Division 10, 10160.
Casework	1 Vanity countertops to suit number of sinks as designed. Countertop mounting height to be 32" from F.F.
Finishes	<ol style="list-style-type: none"> 1 Floor: quarry tile or ceramic tile. 2 Walls: ceramic tile full height or epoxy paint on concrete block. 3 Ceiling: Humidity resistant suspended acoustic ceiling tile.
Mechanical	<ol style="list-style-type: none"> 1 Countertop lavatory, stainless steel, minimum size 480 mm (19") wide x 400 mm (16") deep, faucet with indexed lever (4" max) handles, combination supply and waste, open strainer. (auto shutoff faucets may be required as per CBIP/MNECB) 2 Water closet shall be wall mounted with elongated rim and manual flush valve. 3 Provide barrier fixtures/trim.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 1 P.A. speaker in the ceiling..
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 general duplex power outlets.

STUDENT WASHROOMS (BUILDING SUPPORT SERVICES)	
Special Considerations	<ol style="list-style-type: none"> 1 One washroom area per sex, per academic wing, per floor. 2 One washroom area per sex, non-academic wing.(gym/lobby/community etc.) 3 Provide visual privacy without use of corridor doors. 4 Classroom zones for each school project shall be served by washrooms with designs as per the Nova Scotia Building Code (including Barrier Free requirements) and based on an occupancy determined by multiplying the number of classrooms by a factor of 35. Washrooms which are identified in the DRM as required for a particular space, are to be provided in addition to the general requirements noted above regarding classroom zones. In determining the washroom requirements for public areas, the total number is to be calculated for the largest single use, not the total combined occupancy, of all publicly used spaces. Since these spaces are often separated from other parts of the facility for security reasons (including the classroom zones' washrooms), designs shall accommodate them independently.

MAINTENANCE OFFICE (BUILDING SUPPORT SERVICES)	
Size	100 sq ft
Activities	1 Monitoring the building control systems.
Doors	1 As per Typical Classroom.
Acoustical Separation	1 Separation between adjacent spaces: STC 42
Equipment and Furnishings	1 One tack board 4' x 4'.
Casework	1 Not required.
Finishes	1 Finishes: as per typical classroom.
Mechanical	1 No special mechanical requirements.
Communications	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 1 telephone/public address handset. 1.1 1 voice outlet for the above mentioned handset. 1.2 1 dual data outlet.

MAINTENANCE OFFICE (BUILDING SUPPORT SERVICES)	
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 2 duplex power outlets beside each dual data outlet. 1.3 2 general duplex power outlets.
Special Considerations	<ol style="list-style-type: none"> 1 Locate separate from storage areas.

BOILER ROOM (BUILDING SUPPORT SERVICES)	
Size	As required for equipment, maintain clearances around equipment as called for in the respective building codes and service manuals.
Doors	<ol style="list-style-type: none"> 1 Single 42" leaf door to exterior only.
Acoustical Separation	<ol style="list-style-type: none"> 1 Due to transmission of sound and or vibration it is not acceptable to locate acoustically sensitive learning spaces either adjacent to or above the Boiler Room.
Equipment and Furnishings	N/A
Casework	N/A
Finishes	<ol style="list-style-type: none"> 1 Floor: minimum acceptable - chemically hardened concrete, sloped to drains. 2 Walls: minimum acceptable - concrete block. 3 Ceiling: as required by National Building Code of Canada.
Mechanical	<ol style="list-style-type: none"> 1 One stain resistant sink, minimum size 825 mm (33") x 600 mm (24") x 450 mm (18") vertical depth, steel stand with baked enamel finish, faucet with tubular swing spout and indexed lever handles, waste plug with rubber stopper. Securely attach sink to wall and floor with brackets or straps. 2 See DC350 Section 15010 for ventilation requirements.
Communications	N/A
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets.

BOILER ROOM (BUILDING SUPPORT SERVICES)	
Special Considerations	<ol style="list-style-type: none"> 1 The boiler room must be in a location remote from all learning, assembly and administration type areas in order to ensure that products of combustion cannot flow from the boiler room back into the school. 2 Special care must be taken to make sure the air supply and the exhaust are properly balanced. 3 Special care must also be taken in the location of the chimney relative to the air intake louvres of the air handling systems. Exact location and size of boiler stack to be clearly indicated at preliminary submission.

SPRINKLER ROOMS (BUILDING SUPPORT SERVICES)	
Size	As determined by design engineer.
Activities	1 Self evident.
Doors	1 As per Code
Acoustical Separation	N/A
Equipment and Furnishings	N/A
Finishes	As per Boiler Room
Mechanical	1 No special mechanical requirements.
Communication	N/A
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	N/A

MECHANICAL ROOMS (BUILDING SUPPORT SERVICES)	
Size	As determined by design engineer.
Activities	1 Self evident
Doors	As per Code
Acoustical Separation	1 Air handling rooms cannot be located directly above learning or administration areas. Acoustic buffers utilizing areas such as storage rooms must be incorporated.
Finishes	As per Boiler Room
Mechanical	<ol style="list-style-type: none"> 1 See DC350 Section 15010 for ventilation requirements. 2 One stain resistant sink, minimum size 825 mm (33") x 600 mm (24") x 450 mm (18") vertical depth, steel stand with baked enamel finish, faucet with tubular swing spout and indexed lever handles, waste plug with rubber stopper. Securely attach sink to wall and floor with brackets or straps.
Communications	N/A
Electrical	<ol style="list-style-type: none"> 1 Provide the following equipment/systems along with infrastructure wiring and outlets: <ol style="list-style-type: none"> 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	N/A

ELECTRICAL ROOM (BUILDING SUPPORT SERVICES)	
Size	As required for equipment, maintain clearances around equipment as called for in the respective building codes and service manuals.
Activities	1 Self evident.
Doors	Exterior access.
Acoustical Separation	STC 42
Equipment and Furnishings	N/A
Finishes	As per Boiler Room
Mechanical	1 See DC350 Section 15010 for ventilation requirements.
Communications	N/A
Electrical	<p>1 Provide the following equipment/systems along with infrastructure wiring and outlets:</p> <p>1.1 Lighting shall be 30 footcandles, average, maintained.</p> <p>1.2 2 general duplex power outlets.</p> <p>1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.</p>
Special Considerations	<p>1 Underground electrical conduits have a tendency to funnel ground water into electrical rooms. Ensure the housekeeping pad of pad-mounted transformer, in conjunction with in-floor drainage, is sufficiently sized to address all safety concerns with water infiltration into the room.</p> <p>2 Provide buffer rooms such as storage rooms between electrical rooms containing transformers and other occupancies. Must be remote from any areas occupied by students or staff.</p>

COMMUNICATION / SERVER ROOM (BUILDING SUPPORT SERVICES)	
Size	1 As required for equipment, maintain clearances around equipment as called for in the respective building codes and service manuals. Design must be approved for all included systems prior to tendering.
Activities	1 This room houses the active and passive components of the IT communications network. This can include but not be limited to the following, switches, servers, telco distribution, panels and often, cable distribution.
Doors	1 All communication closet rooms to have outswing doors.
Acoustical Separation	STC 42
Equipment and Furnishings	N/A
Casework	1 A 30 inch deep counter, open below, is to be provided to support a minimum of 3 servers with space for a fourth server. There are to be lockable cupboards provided above the counter for the full length of the counter, located to permit workspace on the counter for computers.
Finishes	As per Typical Classroom
Mechanical	2 Provide mechanical cooling (air conditioning) for the room so that a room temperature of 25 C is not exceeded. The mechanical cooling must be capable of maintaining temperature 168 hours per week throughout the calendar year. 3 Provide ventilation to maintain positive air pressure in the room relative to adjacent spaces.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 3 dual data outlets above counter 1.2 Structured cabling head end. 1.3 Public Address head end. 1.4 CATV head end.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 2 duplex power outlets besides each dual data outlet. 1.4 Minimum 6-port power bar for each rack.
Special Considerations	1 Distribute such rooms evenly through school

MAIN COMMUNICATIONS ROOM OFFICE (BUILDING SUPPORT SERVICES)	
Size	Minimum of 80 square feet
Activities	1 Computer technician office to deploy testing computer, store testing equipment, read technical manuals or work requisitions.
Doors	1 Outswing door complete with full length door sidelite.
Acoustical Separation	N/A
Equipment and Furnishings	N/A
Casework	1 30 inch deep counter open below positioned for full length of the longest wall or a minimum of 8 lineal feet. Lockable cupboards provided above the counter for the full length of the counter, located to permit counter as work space on computers.
Finishes	1 Floor and walls as per typical classroom. 2 Ceiling as per National Building Code of Canada.
Mechanical	1 No special mechanical requirements.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 1 telephone/public address handset. 1.2 1 voice outlet for the above mentioned handset. 1.3 2 dual data outlets above counter.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 50 footcandles, average, maintained with multi-level switching. 1.2 1 general duplex power outlet. 1.3 2 duplex power outlets beside each dual data outlet.
Special Considerations	1 This Communication Room Office must be located immediately adjacent to the Communication/Server Room. It should be designed with direct access off of the corridor. However, in cases where it is demonstrated that this cannot be accomplished, the access can be from the Communication Room itself. The intent of this space is for the technicians to work on and service the equipment.

COMMUNICATIONS CLOSET (BUILDING SUPPORT SERVICES)	
Size	As required for equipment, maintain clearances around equipment as called for in the respective building codes and service manuals. Design must be approved for all included systems prior to tendering.
Activities	1 Space provided to house additional communication equipment or racks where cable runs meet or exceed 300ft. It is not acceptable to provide overhead ceiling access panels.
Doors	1 Outswing, lockable doors to be provided
Acoustical Separation	N/A
Equipment and Furnishings	Refer to Activities above.
Casework	
Finishes	1 Floor and walls as per Typical Classroom. 2 Ceiling as per National Building Code of Canada.
Mechanical	1 Provide ventilation to maintain positive air pressure in the room relative to adjacent spaces.
Communications	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Racks to house structured cabling equipment.
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 6-port power bar for each rack.
Special Considerations	Communications closets must be provided throughout the building wherever cabling exceeds 300ft. in length. These satellite closets are to be sized as per above.

STORAGE ROOMS (BUILDING SUPPORT SERVICES)	
Size	As per building program
Activities	1 Self evident
Doors	1 As per Typical Classroom EXCEPT no lite.
Acoustical Separation	N/A
Equipment and Furnishings	1 Built-in wood/metal shelving to suit room layout, 5 shelves high minimum amount. 50 lineal ft X 24"wide, 120 lineal ft x 18" wide and 60 lineal ft x 12" wide.
Casework	N/A
Finishes	1 Finishes as per typical classroom EXCEPT, ceiling: as required by National Building Code of Canada.
Mechanical	1 No special mechanical requirements.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	1 Distribute such rooms evenly through school.

RECYCLING ROOM (BUILDING SUPPORT SERVICES)	
Size	See Special Considerations
Activities	1 Sorting and storage of recyclable material.
Doors	1 As per Typical Classroom.
Casework	1 Recycle Counter accessible design with a sink. Counter to be a minimum of 6'-0" in length.
Finishes	1 Floor chemically hardened concrete floor sloped to drain 2 Wall epoxy painted concrete block.
Mechanical	1 Provide a stainless steel ledge back sink, minimum bowl size 450 mm (18") wide x 400 mm (16") deep, deck mounted faucet with tubular swing spout and indexed lever (4" max) handles, basket strainer and waste. 2 Provide a dedicated exhaust system.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 2 general duplex power outlets. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.
Special Considerations	1 The size of the room is to be pro-rated relative to the size of the student population. Where population is 350 it is 150 sq ft, between 350 and 700 it is 250 sq ft, for over 700 it is 350 sq ft.

JANITOR'S CLOSET (BUILDING SUPPORT SERVICES)	
Size	Minimum 40 Sq Ft each, one per 8 classrooms, or part thereof, is required.
Activities	1 Storage of cleaning supplies, equipment and machines.
Doors	1 Doors to be outswing doors into corridors to maximize floor space.
Acoustical Separation	N/A
Equipment and Furnishings	N/A
Finishes	1 Floor: vinyl composite tile 2 Walls: painted block or drywall 3 Ceiling: suspended acoustic tile
Mechanical	1 Provide a floor mounted, moulded stone janitor's sink, minimum size 900 mm (36") x 600 mm (24"), c/w drain, stainless steel wall guard, vinyl bumper guard and wall mounted trim. 2 Provide a dedicated exhaust system. 3 Provide an emergency eye/face wash station, complete with high impact plastic bowl and dust cover.
Communications	N/A
Electrical	1 Provide the following equipment/systems along with infrastructure wiring and outlets: 1.1 Lighting shall be 30 footcandles, average, maintained. 1.2 1 general duplex power outlets mounted 44" A.F.F.. 1.3 Minimum 1 duplex power outlet above any counter top, maximum 6' - 0" spacing between outlets, maximum 3' - 0" from end of counter.

CUSTODIAL ROOM (Building Support Services)	
Size	144 sq ft
Activities	Storage of auto scrubber, tilt truck, buffers, custodial cart and dry goods
Doors	2 doors that swing out to provide 5'-4" opening for ease of access for equipment
Acoustical Separation	N/A
Equipment and Furnishings	N/A
Casework	Shelves for paper storage as per ASK -21
Finishes	Floor: chemically hardened concrete, sloped to drain and vinyl tile Walls: painted block or draywall Ceilings: suspended acoustic tile
Mechanical	Ventilation as required Floor drain
Electrical	Power outlets to match equipment for re-charging of batteries mounted 44" a.f.f. Lighting shall be 30 fc, average, maintained
Communications	N/A
Special Considerations	Locate room in central location in building for ease of mobility for equipment.