

ROOM'S OCCUPANCY, LIGHTING AND EQUIPMENT SCHEDULE					
Room #	Room Name	People	Office equipment	Qty	Lighting
	Mechanical Room				
01	Mechanical Room				
02	Classroom	25	projector	1	note 1
03	Classroom	25	projector	1	note 1
04	Classroom	25	projector	1	note 1
05	Classroom	25	personal computer	12	note 1
06	Classroom	25	projector	1	note 1
07	Principal	1	personal computer	1	note 1
08	Office	1	pc, small copier	1	note 1
09	Cafeteria A	12			note 1
10	Cafeteria B	30			note 1
11	Gym	50			note 1
12	Custodian				note 1
13	Stage				note 1
14	Storage				note 1
15	Boy's change room				note 1
16	Girl's change room				note 1
17	Kitchen	1	microwave, coffe maker	1	note 1
18	Copy room		large copier	1	note 1
19	Classroom	25			note 1
20	Classroom	25			note 1
21	Classroom	25			note 1
22	Computer		personal computer	4	note 1
23	Workroom	6	personal computer	6	note 1
24	Library	30	personal computer	18	note 1
25	Teacher's lounge				note 1
26	Boy's washroom				note 1
27	Girl's washroom				note 1
28	Science room	12	personal computer	6	note 1

NOTE 1. T-8 fluorescent two bulb recessed lighting fixtures

BUILDING OCCUPANCY HOURS

8:00 to 16:00 from Monday to Friday

ENVELOPE CHARACTERISTICS

Roof: Build-up roofing; 12mm fiberboard sheathing; 75mm board insulation; 150mm lightweight concrete slab

Windows: 6mm clear double glass in operable frame with thermal break

Building height is 4m; gym and stage height is 6m; window height is 2m

Ceiling plenum height is 1.5m

SYSTEM DESIGN BRIEF

Space heating: hot water baseboard heating units

Air-conditioning and ventilation of the main school area: a variable air volume system with terminal reheat coils,

central heating coil, central direct expansion cooling coil, humidifier, and economizer

Source of heating: a gas-fired hot water non-condensing boiler

Gym heating and ventilation: a rooftop unit with an indirect gas-fired heating section and economizer

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Revisions to drawing

No.

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By



The Academy of HVAC
Engineering Ltd.

Project title:
Primary School for
240 students

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Date: xxx

Sheet title:
OCCUPANCY SCHEDULE
HVAC DESIGN BRIEF

DWG. NO.
M-2