

The following general requirements for **FACILITY SERVICES SUBGROUPS - (FSS-G)** shall be applied as applicable to all related Sections in Divisions 20-29 specified herein or otherwise required within the **EDUCATIONAL FACILITIES** Project Design Brief provided. Ensure that these requirements are met and coordinated as required with all other specific Facility Services Subgroup Divisions.

1 Facility Services Subgroup - General (FSS-G)

1.1 General Mechanical Requirements

1.1.1 This Mechanical Outline is to be read in addition to the Part 1, Section 2, FSS-G and Divisions 21-28.

1.1.2 Environmental Conditions

1.1.2.1 Refer to Room Data Sheets for Acoustical Criteria.

1.1.2.2 Unless otherwise indicated base occupancy on the following:

Classrooms Groupings 1 occupant per 25 ft²

Laboratory Classrooms Equivalent to a

Classroom Arts Equivalent to a Classroom

Technical Education and Family Studies Equivalent to a Classroom

1.1.2.3 Minimum temperature to be 72 degrees F, minimum humidity to be 30 percent.

1.1.2.4 Air conditioning (mechanical cooling) is required in the building as outlined in other sections of this document. Mechanical design engineer to inform DTIR when there is a likelihood that overheating may occur in other building spaces due to factors such as heat gain from equipment and solar loads. The need for air conditioning shall then be further determined. Water cooled air conditioning units (using municipal or well water which is then dumped to drain) are not permitted.

END