2.2 Classrooms

2.2.1 Classrooms

Special Design Requirements

Layout Studies

Flexibility for classrooms shall be provided as per the end users' request, e.g. semi-circular space room for performance and conference. Layout arrangements for different sizes of classrooms were studied as follows:

- 6-Person Classroom (Fig. 2.6)
- 20-Person Classroom (Fig. 2.7)
- 30-Person Classroom (Fig. 2.8)
- 40-Person Classroom (Fig. 2.9)
- 50-Person Classroom (Fig. 2.10)
- Variations with movable partition, 40-Person Classroom was studied and illustrated (Fig. 2.11)

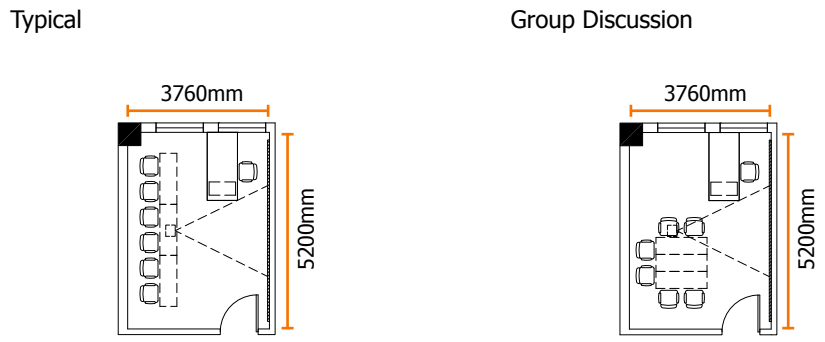


Fig. 2.6 6-Person Classroom

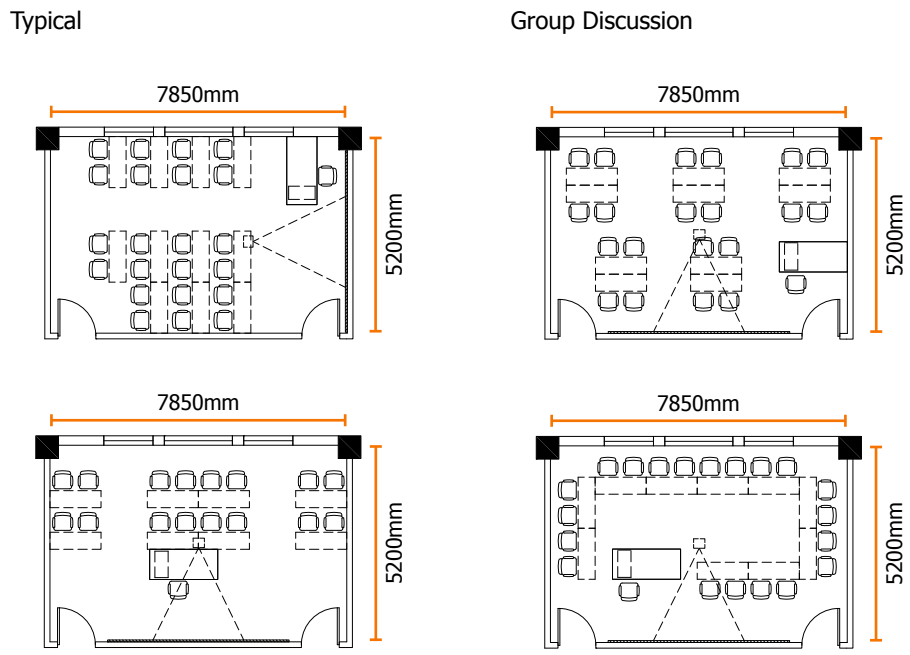
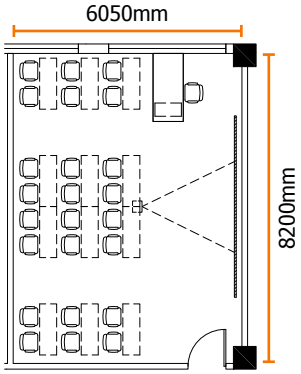


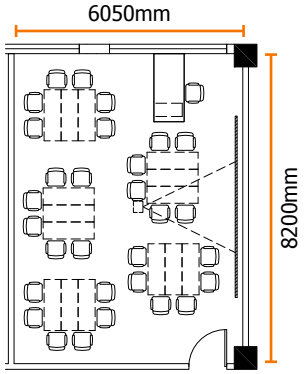
Fig. 2.7 20-Person Classroom

2.2 Classrooms

Typical



Group Discussion



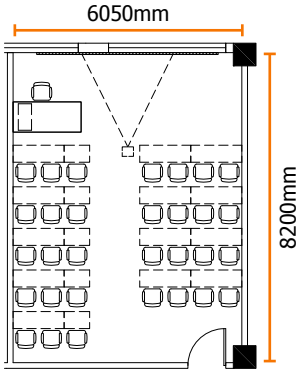
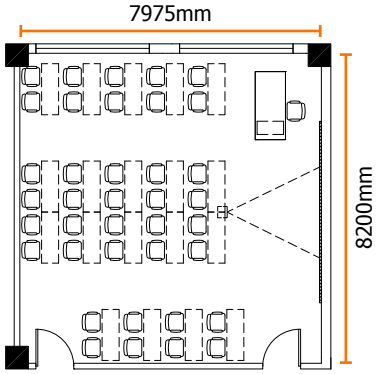
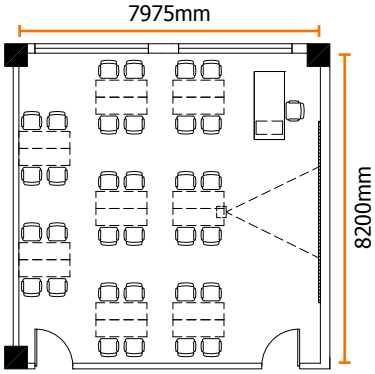


Fig. 2.8 30-Person Classroom

Typical



Group Discussion



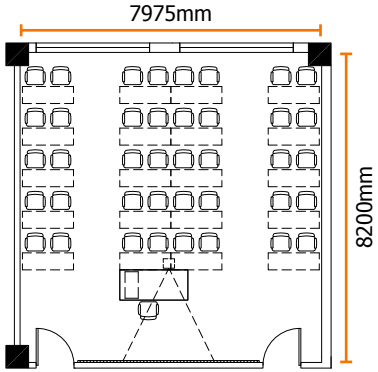
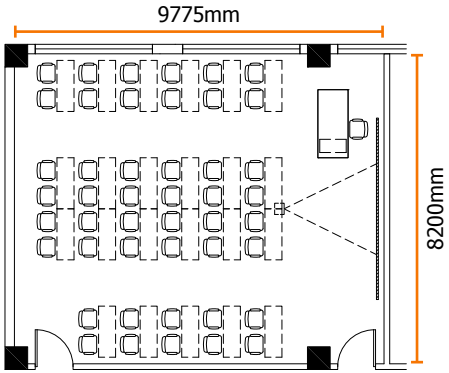


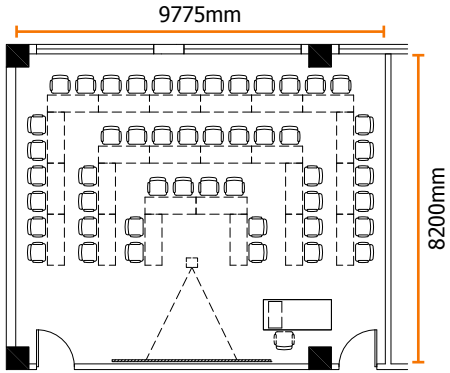
Fig. 2.9 40-Person Classroom

2.2 Classrooms

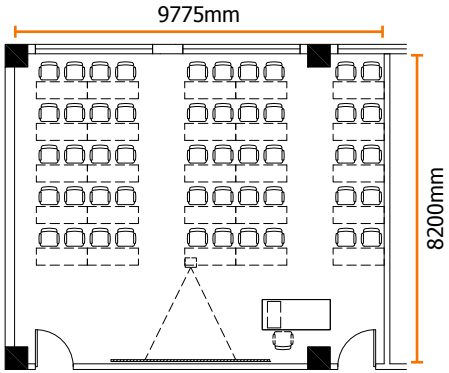
Typical



Seminar



Horse shoe



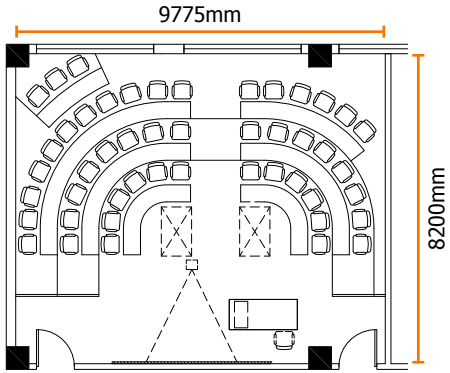


Fig. 2.10 50-Person Classroom

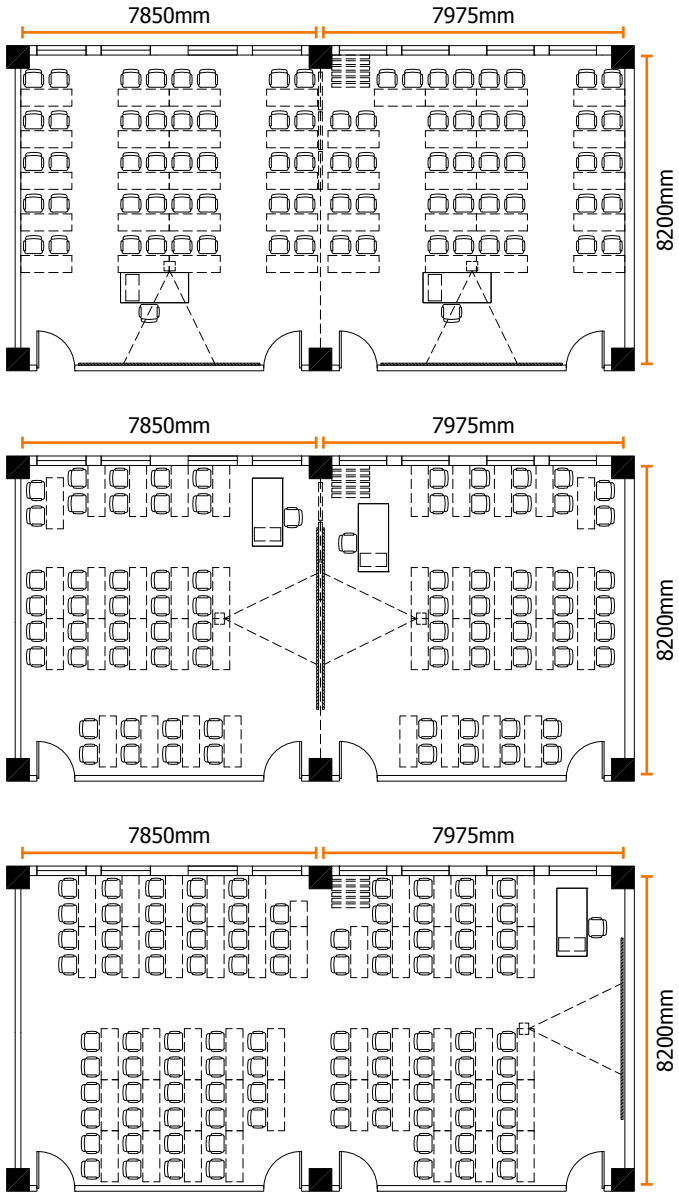


Fig. 2.11 Variations with movable partition, 40-Person Classroom

2.2 Classrooms

Material/ Color/ Finishes/ Furniture

(A) Wall finishes

- Plaster and emulsion paint in light color shall be adopted.
- Timber or fabric wall panels shall be applied in some areas for warm atmosphere and better acoustic purpose.
- Plastic laminate feature wall or door portal at the classroom entrance can be adopted for identity purpose.

(B) Floor finishes

- Heavy duty anti-static carpet tiles or vinyl tiles with acoustic pad floor shall be adopted.
- Timber or vinyl coved skirting shall be adopted.

(C) Ceiling finishes

- Plaster with anti-mould emulsion paint in light color shall be adopted.
- Timber feature strip ceiling shall be applied in some areas for aesthetic purpose.
- Mineral wool ceiling could be considered for acoustic purpose.

(D) Furniture

- Teaching console with control panel shall be provided.
- Loose furniture shall be provided for all classrooms.
- 1 number of white board shall be installed. Tack board for pinning-up shall be provided adjacent to the white board

(E) Setting for Projection Screen

- Distance from projection screen to the first row of seats shall not be less than 3m. (Fig. 2.12)
- Overlapping between projection screen and white board shall be minimized. (Fig. 2.13)

(F) Others

- Room portion for all classrooms shall not be larger than 1:2.
- Curtain or blinds shall be provided for all windows.
- Visual panel shall be provided for all doors.

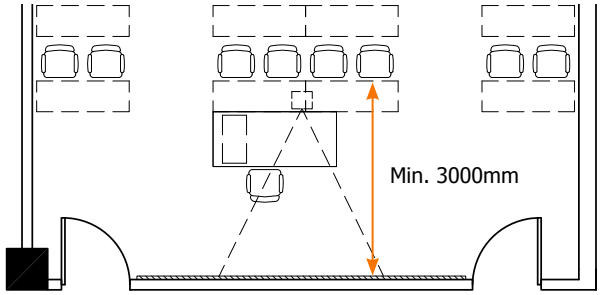


Fig. 2.12 Distance from projection screen to the first row of seats

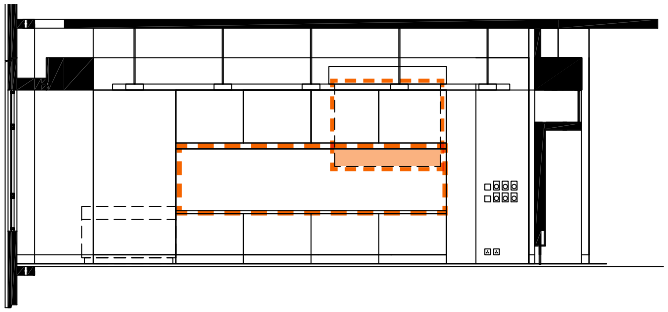


Fig. 2.12 Overlapping between projection screen and white board

Fig. 2.14

Fig. 2.15

2.2 Classrooms

E&M Installation Requirement

- The classrooms shall be fully furnished with air-conditioning.
- Lighting provisions for general purpose shall be provided. Various uses such as movie showing/ projection shall be furnished with suitable lighting provisions.
- Adequate numbers of 13A sockets shall be installed along the walls.
- Wireless and LAN internet access shall be provided for the classrooms.

Audio and Visual Installation Requirement

An integrated Audio and Visual System shall be provided to the classrooms. The Audio and Visual System shall be on an integrated computerized monitoring and control system through the control panel in teaching console. The design standard shall allow the entire system to support the venue to host lecture/ seminar for teaching purpose.

The following equipment shall be provided for general uses.

- 1 number of ceiling-mounted projector and projection screen
- Wireless microphones and speakers
- Blu-ray/ CD/ DVD player

Information Technology Installation Requirement

Design requirement for the information technology installation to be further specified.

Fig. 2.16

Fig. 2.17

2.2 Classrooms

2.2.2 Other Considerations for Classrooms

Samples for Classrooms with Different Atmosphere

Fig. 2.18

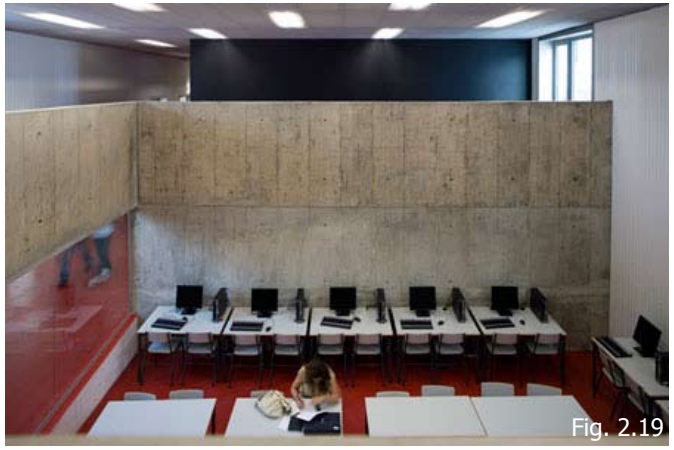


Fig. 2.19

Fig. 2.20

Fig. 2.21

Fig. 2.22

Fig. 2.23