

1 ASSEMBLY - GENERAL

1.1 The work of this section includes the provision of all design, labour, materials, equipment and services required to coordinate equipment as required for a complete project. The work includes, but is not necessarily limited to, the items referenced herein:

- 1.1.1 Security equipment.
- 1.1.2 Audio visual equipment
- 1.1.3 Other miscellaneous equipment

1.2 Refer to space data sheets for locations and quantities of equipment.

2 ASSEMBLY DESIGN CRITERIA

2.1 Specific equipment will be provided and installed by the Owner. The *[Design Builder]* will be responsible for providing services (including necessary structural support, blocking and backing) to this equipment as identified in the space data sheets. The following provides a brief outline of the work:

- 2.1.1 For Building security provide empty conduit, electrical, junction boxes and coverplates to the following:
 - 2.1.1.1 Security cameras (used primarily in public areas and corridors)
 - 2.1.1.2 Door keypads, swipe card access devices (at high security areas)
 - 2.1.1.3 Fibre optic alarm (to audio visual and computer equipment). Local keypads are provided to rooms to enable local deactivation/activation for authorized modifications to computer and audiovisual equipment. Keypad devices will be provided by Owner.
 - 2.1.1.4 Motion sensors (provided throughout facility)
 - 2.1.1.5 Door alarm contacts
 - 2.1.1.6 Panic alarm devices
 - 2.1.1.7 Roof top exterior cameras
 - 2.1.1.8 Break glass alarms
 - 2.1.1.9 Emergency security telephones
 - 2.1.1.10 The above will require connections to separate security closet within new building and back to Protection Services control room, Building 'C', Room C128.
 - 2.1.1.11 Refer to space data sheets for specific room requirements.

- 2.1.1.12 Note: mechanical security lockdown devices on computer equipment to be provided and installed by Owner.
- 2.1.2 For classroom, computer labs and instructional areas provide conduit, electrical, junction boxes, coverplates and related services to:
 - 2.1.2.1 Intercom systems
 - 2.1.2.2 Video cameras
 - 2.1.2.3 Audio systems, speakers and microphones
 - 2.1.2.4 Ceiling mounted monitors and projection equipment.
 - 2.1.2.5 Instructional podiums, containing laptop computers and video recording devices.
 - 2.1.2.6 Refer to space data sheets for equipment and required connectivity.
- 2.1.3 Provide electrical, water, gas and other services to miscellaneous equipment identified in the space data sheets including vending machines, bill changers, cash registers, fridges, photocopiers, washer/dryer, pay telephones, etc..

End of Section