INSTALLATION

CCTV Cabling

- All cables shall be run in a neat and orderly fashion in a conduit system.
- CCTV cables shall be designated at both ends as per design requirements provided in the Electrical Section of the DRM.
- All cables that run from cameras to terminating equipment shall be single length (splices in these cables are not allowed)
- Sufficient slack (1 meter) shall be left in case it is necessary to re-terminate the cable.
- Emergency power – all systems and components shall be powered via a single source from the emergency power panel within the communication room.

CONDUITS

- Conduits shall be designated with “CCTV” at terminating ends.
- Wiring shall be run in conduit. Outdoor cable shall be run in epoxy coated rigid galvanized steel; indoor cable may be R.G.S. or E.M.T. depending on the location.
- All underground conduits shall be rigid PVC.
- Conduit breaks prior to entry in to a building shall be incorporated in the design. For detailed design requirements refer the Electrical Section of the DRM.

CONNECTIONS

- All copper connections shall be copper-to-copper compression type with insulating covers.
- Poles with cameras shall have one metre slack cable in raceway.
- Fish cord in all CCTV raceways shall be installed for future use.
- Splices are not allowed.

HANDWELLS

- Dedicated handwells, located away from doors and main traffic areas, shall be provided for CCTV, separate from power.

EMERGENCY POWER

P.A. System equipment shall be supplied from the emergency power panel located inside the station communication room.

PRIORITIZED PAGING

The P.A. system shall be user configurable to provide prioritized paging announcements when announcements are generated simultaneously from different inputs. Initial configuration shall establish to the following priority level.

Highest Priority	GO Operations 'Red' phone
↕	Local 'Red' phone
Lowest Priority	Other paging telephones including ticket office

The system shall provide for a separate 600 ohm audio input whose priority access level in the system is also user configurable.

TIME CLOCK

The system shall provide for volume adjustment of the P.A. announcements using an internal real time clock. Automatic adjustment of clock changes shall be provided for daylight savings time.

GENERAL FEATURES

1. The P.A. system shall interface with a maximum of seven and minimum of four P.A. paging phone inputs and up to three - 600 ohm audio circuits. All three audio inputs shall provide independent audio adjustment of the incoming signal. A common audio adjustment shall also be provided for the P.A. paging phone inputs. Signal levels for the local paging and remote paging shall be separate inputs requiring individual adjustments. The equipment provided shall be capable of adjusting all audio inputs over a range of -30db to +6db.
2. A solid state controller shall provide the switching and signalling required for priority calls, selective zone paging, zone "group" paging, all call, background music mute, paging alert tones and emergency override.
3. On-site user-configurable, prioritized paging access for all audio inputs shall be provided.
4. The P.A. system shall interface with the GO Transit 'RED' phone system to allow both 'RED' phone paging from Union Station and local 'RED' phone paging from the ticket office/s. The local 'RED' phone paging facility shall automatically provide ticket office/s paging speaker override whenever the local □RED□ phone system is used.