

Compressed Air Dryers, Drainage Interceptors, Layover Systems (Sand, Fuel, Air, Track Load).		
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Provide sub-metering for panels and sub-panels with remote communication capability from IT Central Gathering Centre. The system shall be able to store data for a minimum of three (3) years.

The local BAS shall be able to communicate and send information to an IT Central Gathering Centre.

The location of the BAS control panel and location of the outlets is to be included on the electrical drawings. Refer to the Building Automation Systems performance specification for additional information.

Radiant Heating and Snowmelt

Design Requirements

Rail Station

Full width hydronic snow melting shall be installed on all rail platforms

Bus Facilities

Radiant Heating shall be installed in all Bus Facilities.

Partial snow melting shall be provided at bus facility ramped and and entrances.

For detailed specifications and drawings, refer to the GO Standard Drawings Specifications section.

Plumbing and Drainage

Design Requirements

This Section deals with cold and hot water distribution, building storm and sanitary drainage, and special applications within the immediate vicinity of any building. Typical Applications include:

- Distribution
- Elements
- Fixtures
- Storm and Sanitary Drainage
- Special Applications
- Staff washrooms
- Public washrooms
- Tenant and vending premises

- Bus and rail maintenance facilities
- Hose bibs at buildings, tunnels and on platforms
- Sump pits for tunnels, elevators and buildings (if applicable)

Specialized installations include:

- vehicle wash equipment
- Progressive maintenance bays (PMBs) for locomotive and coach water supply and sewage disposal, and wells and septic systems or holding tanks at rural sites, if required

Distribution

Hotwater

Where gas is available, and tempering is not required, a standard DHW tank is to be used.

Where gas is not available, service hot water shall be provided at station and terminal washbasins in washrooms tempered to 40°C. Shops, maintenance and garage facilities may have higher temperatures if required. A re-circulation system normally is not required in a typical GO Station building.

Hot water heaters in stations/terminals shall be located in janitor rooms, ceiling-hung to suit space requirements. Relief valves shall be piped to floor drains with air break. A gas fired tankless type hot water system may be used where approved by GO, to minimize piping.

Landscape Water

Buried water supply piping systems shall be provided for the manual watering of landscaping only if specifically requested by GO. If requested, they shall consist of PVC piping and