

Refer to Part 1 Section 2

DIVISION 22 PLUMBING

Section 22 00 00 Plumbing - General

1 Water Supplies

- 1.1 Every building shall be provided with a reliable and adequate water supply available to fire department mobile pumping apparatus, building fire protection systems and potable domestic water.
- 1.2 Water Supply Systems:
 - 1.2.1 The minimum water pressure required for plumbing fixtures on the top floor of a building is 25 psi
 - 1.2.2 Conform to Nova Scotia Department of Environment and Labour standards for Canadian Drinking Water.
- 1.3 Refer also to PART 2 Section 2, 21 00 00 for Fire Suppression additional requirements.

2 Plumbing

- 2.1 Service Water Pipe
 - 2.1.1 Cement mortar lining for ductile iron pipe: to ANSI/AWWA C104/A21.4.
- 2.2 Sewage Pumps
 - 2.2.1 General: Only the facilities which cannot drain by gravity to the main sewer, shall be connected to the sump pit.
 - 2.2.2 Equipment for Raising Sewage: Use duplex sewage pumps with automatic transfer switch.
 - 2.2.3 Provide high water alarms in each sump pit.
- 2.3 Water Supply System
 - 2.3.1 Service lines must enter the building in an accessible location. They must never enter in fuel rooms, storage rooms, switchgear rooms, or transformer vaults.
- 2.4 Domestic Hot Water
 - 2.4.1 Generation of domestic hot water shall not be by the main boiler plant but instead by a separate oil fired boiler serving indirect domestic hot water heaters. Alternative strategies for heating of domestic hot water may be considered but will be allowed only with written permission from DTIR.

END

**DTIR – DC350
Design Requirements Manual**

**Education Facilities
Detailed
Design Requirements
PLUMBING**

**Part 2, Section 2
Division 22**

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