

Part 1 General

1.1 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA C22.2 No.214-2008, Communications Cables (Bi-national standard, with UL 444).
 - .2 CSA T530-1999, Commercial Building Standard for Telecommunications Pathways and Spaces (Adopted ANSI/TIA/EIA-569-A).

1.2 PRODUCT DATA

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.

Part 2 Products

2.1 INTERCOM SYSTEM

- .1 Requirements:
 - .1 Voltage Input: 120 Vac
 - .2 Amplifier frequency response (-6dB): 150 Hz to 12kHz or better
 - .3 Speaker power rating: 30 Watts or higher
 - .4 Controls:
 - .1 Pushbutton - push to talk, release to listen
 - .2 Volume adjustment
 - .5 Microphone input (microphone not required to be supplied).
 - .6 Temperature Range: -30°C to +40°C or better
 - .7 Mounting: Wall
 - .8 Environmental ratings:
 - .1 Marine rated.
 - .2 Outdoor rated.
 - .3 NEMA 4X and NEMA 3R
 - .9 Approvals: CSA or cUL
- .2 Acceptable products:
 - .1 Edwards Signaling & Security Systems 5570M-NR5
 - .2 Or approved equal in accordance with B7.

2.2 TELEPHONE DROP TERMINATION ENCLOSURE

- .1 As shown on the drawings.

2.3 TELEPHONES

- .1 Existing telephones may be reutilized.

2.4 JACKS

- .1 Requirements
 - .1 Keystone RJ-11
 - .2 Utilize 110 style punch-down termination.
- .2 Acceptable manufacturer:
 - .1 Leviton or approved equal in accordance with B7.

2.5 CABLE

- .1 Indoor wire: CAT-5e or CAT-6.
- .2 Underground wire: two No.19 AWG solid annealed copper conductors laid parallel, polyethylene insulation, close serving of flat galvanized steel wire armour, jacket of polyvinyl chloride designed for buried service connections.

Part 3 Execution

3.1 DEMOLITION

- .1 Demolish the existing telephone installation. Coordinate with the Contract Administrator to ensure operation of the system.
- .2 Minimize telephone service outages to planned shutdowns.

3.2 INSTALLATION

- .1 Provide a complete system of conduits and cabling for connection and operation of the intercom system.
- .2 Provide a complete system of conduits, boxes, and jacks for the telephone service to the building. Provide entrance conduit as required by the Telephone Utility.
- .3 Make all connections and test system.
- .4 Make connections to grounding as required.
- .5 Prior to installation of service entrance, coordinate with the Telephone Utility to confirm all construction and installation details.
- .6 Arrange for the installation of the telephone service by the Telephone Utility.
 - .1 Service to be a single analog telephone line.

3.3 INSTALLATION OF CONDUCTORS

- .1 Use appropriate tool for connecting conductors to terminals.
- .2 Terminate all conductors on punch-down blocks, regardless of whether they are utilized.

END OF SECTION