

SECTION 26 11 21 - SERVICE ENTRANCES

PART I - GENERAL

1.1

PART 2 - PRODUCTS

2.1 SERVICE ENTRANCE PULLBOX

- A. The primary service shall enter the building through a multi-cell concrete duct envelope in the basement wall and not directly into the unit sub-station. Provide a No. 12 gauge galvanized steel pull box for the ducts. Box size shall be determined by the number of ducts to be covered as well as the sizes of cables entering or leaving the box. Size per NEC 314.71. Provide a steel barrier to separate the ducts for use of low voltage fire alarm and signal cables. The box shall have screw-on cover with "High Voltage" stenciled on cover.
- B. Provide grounding bushings and ground lugs to Equipment Grounding Conductor pulled with service entrance cables.
- C. Cables will be fire taped inside pull box using 3M #77 Fire and Arc Proofing Tape, secured with 3M #69 Cloth Tape per manufacturer's instructions.
- D. All cables shall be labeled and identified in the pull box with plastic engraved label, attached with plastic cable ties over the fire tape.
- E. Outdoor conduits entering the box shall have an upward slope. The exterior of the raceway shall be sealed at the foundation wall.
- F. The interior of the raceways shall also be sealed per NEC requirements, with or without wiring installed. This is to prevent water or vapors from entering the building through the pull box.

PART 3 - EXECUTION

3.1

END OF SECTION 26 11 21

This section of the *U of I Facilities Standards* establishes minimum requirements only.
It should not be used as a complete specification.