

TECHNICAL SPECIFICATIONS

SECTION 15000

WALL SLEEVE PENETRATIONS

PART 1 GENERAL

- 1.1 Under this section there shall be furnished and installed a complete, annular-space seal assembly similar to the Link-Seal assembly manufactured by the Thunderline Corporation. Units shall be installed where indicated on the drawings and installed in accordance with these specifications and the manufacturers recommendations.
- 1.2 A complete assembly shall be defined as a combined wall opening and an annular space seal of sufficient quantity and type of components to effectively provide a hydrostatic seal.
- 1.3 The wall openings shall be either steel sleeves, cored holes or precast, formed holes.
- 1.4 Manufacturers shall submit detail drawings of their proposed equipment and suitable evidence of experience and results as a shop drawing submittal.

PART 2 PRODUCTS

2.1 Annular Space Seal Assembly

A. Annular Space Seals

1. Annular space seals shall be modular, mechanical type, consisting of interlocking synthetic rubber links shaped to continuously fill the annular space between the pipe and the wall opening. Seals shall be assembled with bolts to form a continuous rubber belt which expands with tightening of the bolts to provide a water-tight seal. Seals shall provide electrical insulation between pipe and wall to reduce cathodic reaction. Seals shall be sized and selected per manufacturer's recommendations and shall have standard service and insulating characteristics. Standard service requirements shall mean temperature ranges of 40°F to + 250 ° F with carbon steel, galvanized bolts and EPDM rubber links.

B. Wall Sleeve Assembly

1. The wall sleeve assemblies shall be as specified either as in 2.1.B.2, 2.1.B.3 or 2.1.B.4.
2. Steel Sleeve
 - a. The steel sleeve assembly shall be manufactured of standard or seamless steel pipe or roll formed in accordance with the manufacturer's latest general catalog. The sleeve shall have a continuous full circle anchor plate or waterstop at least 4" larger than it's main outside diameter. Unless otherwise specified, it shall be positioned in the middle of the sleeve body. All steel sleeves shall have a coating of enriched red primer and identification by size, schedule, and concrete wall thickness.
3. Cored Holes
 - a. Cored holes shall be sized in accordance with the manufacturer's general catalog.
4. Formed Openings
 - a. In lieu of sleeves or cored holes a modular hole forming system compatible with the seal sizing charts inthe manufacturer's catalog may be provided. Avoid (popcorn)

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aggregate protrusions and score marks on the inside diameter of the opening. If (buttering) repair is required, installing Contractor shall do so at no additional charge to the Owner.

PART 3 EXECUTION

3.1 Wall Sleeve penetration assemblies shall be installed in accordance with the manufacturer's recommendations.

END OF SECTION 15000