SECTION 07160
BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:
   1. Cold applied asphalt bitumen dampproofing.

B. Related Sections:
   1. Section 03300 - Cast-in-Place Concrete: Concrete substrate jointing method.
   2. Section 07110 - Sheet Membrane Waterproofing.

1.2 REFERENCES:

A. ASTM D1187 - Specification for Asphalt-Base Emulsions for Use as Protective Coatings for Metal.

B. ASTM D1227 - Specification for Emulsified Asphalt Used as a Protective Coating for Roofing.

1.3 SUBMITTALS:

A. Submit product data under provisions of Section 01300.

B. Indicate properties of primer, bitumen, and mastic.

C. Submit manufacturer's installation instructions under provisions of Section 01300.

D. Submit manufacturer's certificate that installed materials meet or exceed specified requirements.

1.4 QUALITY ASSURANCE:

A. Applicator: Company specializing in bituminous dampproofing systems with 5 years minimum experience who is acceptable to the manufacturer of the bituminous materials.

1.5 ENVIRONMENTAL REQUIREMENTS

A. Maintain ambient and surface temperatures above 40 degrees F for 24 hours before application, and continuously until dampproofing has cured unless more stringent requirements are required by the manufacturer.
PART 2 - PRODUCTS

2.1 MATERIALS:

   A. Manufacturer's standard asphalt and water emulsion recommended for below-grade exterior applications to either damp (green) or dry substrates, compounded to penetrate the substrate and build to a moisture-resistant coating.

   B. Provide non-fibrated asbestos-free type liquid emulsion complying with ASTM D1187 Type I or ASTM D1227 Type III.

PART 3 - EXECUTION

3.1 APPLICATION OF DAMPPROOFING:

   A. Prime and prepare surfaces in accordance with manufacturer's instructions.

   B. Apply two coats on all walls. Apply continuous and uniform at a rate of 1.5 gallons/100 sq. ft. per coat. Allow for complete drying between coats.

   C. Apply from 2 inches below finish grade elevation to top of footings or bottom of grade beams, including top and side of footings or grade beams.

   D. Apply to steel columns and base plates to within 1" of finished floor line.

3.2 PROTECTION:

   A. Protect finished dampproofing from damage during backfill operations.

END OF SECTION 07160