SECTION 07160 - BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes the following:

a. Cold-applied asphalt emulsion damp-roofing.

1.03 SUBMITTALS

A. Submittals shall be in accordance with Section 01300.
1. Product Data: Include data substantiating that materials comply with specified requirements or each damp proofing material specified.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Engage an experienced dampproofing installer who has completed bituminous dampproofing work similar in material, design, and extent to that indicated for Project and that has resulted in construction with a record of successful in-service performance.

B. Single-Source Responsibility: Obtain primary dampproofing materials and primers from a single manufacturer. Provide secondary materials only as recommended by manufacturer of primary materials.

1.05 PROJECT CONDITIONS

A. Substrate: Proceed with dampproofing work only after substrate construction and penetrating work have been completed.

B. Weather: Proceed with dampproofing work only when existing and forecast weather conditions will permit work to be performed in accordance with manufacturer's recommendations.

PART 2 - PRODUCTS

2.01 COLD-APPLIED ASHPHALT EMULSION DAMPPROOFING

A. Asphalt Emulsion: Asphalt-and-water-emulsion coating, compounded to penetrate substrate and build to moisture-resistant coating.
1. Provide semi-fibrated-type semi mastic asbestos free emulsion; ASTM D 127. Type II except containing non asbestos fibrous reinforcement and filler materials.

B. Available Manufacturers: Subject to compliance with requirements, manufacturers offering asphalt emulsion products that may be incorporated in the work include, but are not limited to, the

following:

1. Celotex Corporation.
2. Karnak Chemical Corporation.
3. Koch Materials Company.
4. Koppers Company, Inc.
5. Manville Building Materials Corporation.

PART 3 - EXECUTION

3.01 PREPARATION OF SUBSTRATE

A. Clean substrate of projections and substances detrimental to work; comply with recommendations of prime materials manufacturer.

B Install cant strips and similar accessories as shown and as recommended by prime materials manufacturer even though not shown.

C. Fill voids, seal joints, and apply bond breakers (if any) as recommended by prime materials manufacturer, with particular attention at construction joints.

D. Install separate flashings and corner protection stripping as recommended by prime materials manufacturer, where indicated to proceed with application of dampproofing. Comply with details shown and manufacturer's recommendations. Give particular attention to requirements at building expansion joints, if any.

E. Prime substrate as recommended by prime materials manufacturer.

F. Protection of Other Work: Do not allow liquid and mastic compounds to enter and clog drains and conductors. Prevent spillage and migration onto other surfaces of work by masking or otherwise protecting adjoining work.

3.02 INSTALLATION, GENERAL

A. Comply with manufacturer's recommendations, except where more stringent requirements are indicated or specified and where project conditions replace extra precautions or provisions to ensure satisfactory performance of work.

B. Bituminous Cant Strips: Install 2-inch by 2-inch cant strip of bituminous grout at base of vertical dampproofing where it meets horizontal surface.

C. Extend vertical dampproofing down walls from finished grade line to top footing, extend over top of footing, and turn down minimum of 6-inches over outside face of footing. Extend 12-inches onto intersecting walls and footings but do not extend onto surfaces that will be exposed to view when project is completed.

D. Apply coat of semi fibrated, semi mastic, asphalt emulsion dampproofing materials by brushing or spraying at rate of 5.0 gallons per 100 sq. ft. to product uniform, dry film thickness of not less than 30 mils.

END OF SECTION