

SECTION 02520 - PORTLAND CEMENT CONCRETE PAVING

A. SUMMARY

1. Exterior portland cement paving, [**4 inches (100 mm)**] [**5 inches (125 mm)**] [**6 inches (150 mm)**] thick for the following:
 - a. Roads.
 - b. Parking areas.
 - c. Driveways.
 - d. Curbs and gutters.
 - e. Walkways.

B. QUALITY ASSURANCE

1. Design mix for each class of concrete.
2. Field-constructed mockup to demonstrate typical joints, surface finish, texture, and color.

C. MATERIALS

1. Reinforcing:
 - a. Reinforcing Bars and Tie Bars: [**Deformed**] [**Epoxy-coated deformed**].
 - b. Welded Steel Wire Fabric: [**Welded steel**] [**Deformed steel**].
 - c. Fabricated bar mats.
 - d. Synthetic fibers.
2. Concrete:
 - a. Portland Cement: ASTM C 150, Type I, with normal-weight aggregates and air-entraining admixture.
 - b. Compressive Strength (28 Day): [**4000 psi (27.6 MPa)**] [**3500 psi (24.1 MPa)**] [**3000 psi (20.7 MPa)**].
 - c. Liquid Membrane-Forming Curing Compound: [**Clear solvent borne**] [**Clear waterborne**].
 - d. Concrete Hardener. (Magnesium Fluorosilicate not allowed)
3. Related Materials:
 - a. Antispalling Treatment: Boiled linseed oil mixture.
 - b. Traffic Paint: Alkyd resin.

D. FINISHING

1. Finishes: [**Float, burlap finish**] [**Float, medium-to-fine-textured broom finish**] [**Float, medium-to-coarse-textured broom finish**].

2. Special Finishes: [**Nonslip aggregate**] [**Dry-shake color hardener**].

E. FIELD QUALITY CONTROL

1. Testing Agency: Contractor employed.

END OF SECTION 02520