

SECTION 32 16 00

WALKS & CURBS

PART 1 GENERAL

1.1 SCOPE:

- A. Provide all materials, labor, equipment and related items necessary to complete the concrete walks as shown on the drawings.

1.2 RELATED SECTIONS

- A. Section 32 11 16: Crushed Stone Base Course.
- B. Section 32 13 13: Portland Cement Concrete Paving
- C. Section 03 11 00: Concrete Form Work
- D. Section 03 21 00: Concrete Reinforcement
- E. Section 03 30 00: Cast-in-Place Concrete
- F. Section 07 92 00: Sealants

PART 2 PRODUCTS/ MATERIALS

2.1 WALKS

- A. 3,000 psi at 28 days in accordance with ACI and CRSI Standards. Materials, testing, and placing shall be specified in Division 3. Concrete to be air entrained per Section 03 30 00. No fly ash is permitted in walks.

2.2 EXPANSION JOINTS

- A. Expansion joint material shall be 1/2" pre-molded filler especially made for such use - not INSULATION or SHEATHING BOARD for all non-exposed aggregate walks and pavement.

PART 3 EXECUTION

3.1 CONCRETE WALKS

- A. Concrete walks shall be of one course construction 4 inches thick, and of widths shown on the drawings. Provide 1/8" per foot crown or cross slope in the direction of drainage. All steps are to drain freely. Provide tooled joints as shown on drawings.

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- B. Expansion joints: Provide 1/2" transverse expansion joints, at walk junctions and intersections, at top and bottom of steps, and where walks abut curb returns, buildings, platforms or other fixed structures, or terminate at curbs. Expansion joints shall be at right angles to the slab and extend the full depth thereof. Pre-molded filler where called for shall extend to within 1/2" of the surface. Fill remaining void with sealant as specified in Section 07 92 00. Locate expansion joints in walks as shown on plans and nearly as practicable opposite those in abutting curbs, approximately 20' on center.
- C. Control Joints: Provide troweled joints 1/4 of slab depth where indicated on plans.
- D. Protection. Remove no forms for 24 hours after pouring concrete. Protect concrete walks and courtyards from pedestrian traffic for a period of three days after pouring.

3.2 WALKS FINISH

- A. Finish Types shall be the following:
 - 1. Light Broom Finish
- B. Light Broom Finish:
 - 1. After placing concrete paving, do not work the surface further until ready for floating.
 - 2. Begin floating when the surface water has disappeared and when the concrete has stiffened sufficiently to permit operation of a power- driven float, or both.
 - 3. Consolidate the surface with power-driven floats, or by hand-floating if the area is small or inaccessible to power units.
 - 4. Check and level the surface plane to a tolerance not exceeding 6mm in 3 m (1/4" in 10'-0") when tested with a 3 m (10'-0") straightedge placed on the surface at not less than two different angles.
 - 5. Cut down high spots and fill low spots.
 - 6. Uniformly slope surfaces to drains where required.
 - 7. Immediately after leveling, re-float the surface to a uniform, smooth, granular texture as approved by the Architect.
 - 8. At this point, apply a light broom finish in one direction. Make sweeps uniform and continuous, keeping bristles clean after each sweep. Provide a small sample area for approval by Architect prior to finishing entire surface.

END OF SECTION

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