SECTION 32 13 13 - SIDEWALKS & PAVERS

PART I - GENERAL

1.1 RELATED DOCUMENTS

   A. Drawing 32 13 13-01, Concrete Sidewalk Installation
   B. Drawing 32 13 13-02, Paver Walkway Installation

PART 2 - PRODUCTS

A. SIDEWALKS

   A. The subgrade shall be free of organic material and compacted.
   B. Where direction of drainage is across concrete walks, the walks shall normally be uniformly pitched 1/4 inch per foot from high to low sides. If the longitudinal gradient of the walk is in excess of 2%, the cross pitch may be reduced to 1/8 inch per foot. Crowned walks shall be permitted only where the longitudinal gradient is at least 2%, with no cross drainage.
   C. Walks shall have a minimum of 8 inch thickness and be 6 feet wide, reinforced with one of the following:
      1. Welded Wire Fabric as a 4x4 W5.4xW5.4;
      2. Epoxy Coated #3 at 12” on center each way;
      3. Epoxy Coated #4 at 18” on center each way. See Standard Drawing 32 13 13-1, Concrete Sidewalk Installation.
   D. Expansion Joints shall have epoxy coated #6 bars x 18” long at 12” maximum centers.
   E. Generous fillet curves should normally be provided at intersections to the maximum extent consistent with the design concept. Where new walks intersect existing walks, the termination of fillet curves shall be 12 inches wide and reinforced to prevent breaking.
   F. Provide reinforcing in walks at intersections, and at junctions to existing walks to prevent junction ears from breaking off.
   G. Walks at grade entrances shall be 1/2 inch below building construction to allow for frost action. Provide a corbel or haunch under walks at entrances to prevent settlement at door sills and entrance structures. Paved areas outside buildings shall have a non-slip finish.
   H. Walks shall be finished with stiff broom finish with hand tooled joints with pronounced windows.

B. PAVERS

   A. Non-permeable paver areas shall be constructed with an 8” reinforced concrete base with the same reinforcement requirements as the sidewalk. 2” diameter weep holes shall be cast into the concrete base on a 24” grid. No sand base shall be used.
   B. Most areas are vehicular areas and use 8 cm pavers. Areas where only foot traffic will occur use 6 cm pavers.

C. CURB RAMPS

   A. Curb ramps must comply with the Americans with Disabilities Act and the Illinois Accessibility Code. Curb ramps shall be perpendicular ramps wherever possible. The installation of any other type of curb ramp will require specific advance approval by F&S Engineering and Campus Services Division.
PART 3 - EXECUTION

3.1

END OF SECTION 32 13 13

This section of the U of I Facilities Standards establishes minimum requirements only. It should not be used as a complete specification.