

## Specifications for the Phoenix System

### 1. Scope

This specification covers basis of purchase, production properties, and installation of high strength Phoenix System paving slabs. The contractor must have previous experience based on similar size and circumstance for a minimum of five years.

### 2. Basis of purchase

2.1 The specifier shall specify the color, shape and texture of Phoenix System desired.

2.2 Phoenix System pavers shall have a minimum compressive strength of 8,000 psi when tested in accordance with ASTM C140 with no individual stone testing less than 6,500 psi.

2.3 Phoenix System pavers shall have an absorption rate of less than 6%, when tested in accordance with ASTM C140 with no individual stone testing more than 7%.

2.4 Phoenix System pavers shall have a center load capacity of 1,850 lbs.

### 3. Product

3.1 All Phoenix System pavers shall be in accordance with specifications listed herein and as shown on plans. This product shall be supplied by LPS Pavement Company, 67 Stonehill Road Oswego, Illinois, Phone: 630/551-2100; outside of Illinois: 800/232-1770.

3.2 All Phoenix System pavers shall conform to the following specifications.

3.3 Materials used to manufacture Phoenix System pavers shall conform to the following:

3.3.A Phoenix System pavers should be manufactured with an average compressive strength of 8,000 psi and with an absorption of less than 6%.

3.3.B After 50 cycles of freeze-thaw or 3 day application of rock salt (wet), there shall be no weight loss or visual signs of deterioration.

3.3.C Pavers shall have a tolerance of plus or minus 1/16" in any direction with square or beveled edges as specified.

### 4. Installation

4.1 Installation of Phoenix System:

4.1.A Inspect the deck and fixed elevations – all height or location problems shall be corrected prior to installation.

4.1.B Confirm protection course is in place prior to installation. Note: If rigid insulation is required, minimum high-density 60 psi must be used for this application.

4.1.C Precast pavers shall be set on pedestals specified, to line and grade shown, with uniform joint width.

4.1.D Adjust pedestal elements so that precast paver has bearing on all four (4) corners.

4.1.E Where cutting is required, it shall be done with a high speed masonry saw producing clean, sharp edges.

4.1.F Replace any units that exhibit damage to surface, finish, corners or edges which will be exposed to view in the finished work.

4.1.G Protect units in place from soiling or damage.