

SECTION 32 17 13
CONCRETE WHEELSTOPS IN PARKING AREAS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Precast concrete wheelstops and anchorage.

1.02 REFERENCE STANDARDS

- A. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2015.
- B. ASTM C150/C150M - Standard Specification for Portland Cement; 2012.
- C. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a.
- D. ASTM C330/C330M - Standard Specification for Lightweight Aggregates for Structural Concrete; 2014.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administration of Contracts and Project Procedures, for submittal procedures.
- B. Product Data: Provide unit configuration, dimensions.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Parking Wheelstops: Precast concrete, conforming to the following:
 1. Cement: ASTM C150, Portland Type I - Normal; white color.
 2. Concrete Materials: ASTM C330/C330M aggregate, water, and sand.
 3. Reinforcing Steel: ASTM A615/A615M, deformed steel bars; unfinished, strength and size commensurate with precast unit design.
 4. Air Entrainment Admixture: ASTM C260/C260M.
 5. Concrete Mix: Minimum 5,000 psi (34 MPa) compressive strength after 28 days, air entrained to 5 to 7 percent.
 6. Use rigid molds, constructed to maintain precast units uniform in shape, size and finish. Maintain consistent quality during manufacture.
 7. Embed reinforcing steel, and drill or sleeve for two dowels.
 8. Cure units to develop concrete quality, and to minimize appearance blemishes such as non-uniformity, staining, or surface cracking.
 9. Minor patching in the manufacturing plant is acceptable, providing appearance of units is not impaired.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install units without damage to shape or finish. Replace or repair damaged units.
- B. Install units in alignment with adjacent work.

END OF SECTION