

SECTION 4300

FOUNTAIN

1.00 GENERAL

1.01 Scope. Work to be performed under this section shall include all labor, equipment, materials and miscellaneous items necessary to install all working components of the fountain.

1.02 Related Work Specified Elsewhere in this Manual.

Section 3100 - Cast-in-Place Concrete.
Section 2130 - Trenching, Backfilling and Compaction

1.03 Related Work Specified Elsewhere.

Section 16000 - Electrical
Section 15050 - Plumbing

1.04 Delivery, Storage and Handling. Deliver all material to be used in original, unopened packages. Do not open packages except as required for inspection for shipping damages. Store in areas least subject to traffic or falling objects. Keep material away from and free of moisture.

1.05 Warranty. Warrant fountain equipment warranted by equipment manufacturer and installer per manufacturer standards for a minimum of one year.

1.06 Submittals.

A. Shop Drawings.

Submit shop drawings for the working components of the fountain.

2.00 MATERIALS

2.01 Provide the following components.

- A. Pump - Centrifugal pump - Gould 3 H.P. Model #3756 or approved equal.
- B. Control Panel - Furnace NEMA 3 Model #87 DF 36 ADDA with magnetic starter or approved equal.
- C. Ball Valves - Three 1½" and one 2" ball valves.
- D. Pressure Gauge - 2½", 0-150 psi pressure gauge.
- E. Foot Valve - 4" valve, Simmons.
- F. Sensor Float - Sensor float, Electrol Systems, Model #WADB normally closed or approved equal.
- G. Float Valve - 3/4" float valve.

- H. Curb Stop - 3/4" curb stop.
- I. Overflow Drain - Overflow drain, Kim Model #R15 or approved equal.
- J. Nozzles - Three (3) geyser nozzles, Kim Model #N152.
- K. Fountain Lights - Three (3) free-standing fountain lights, Kim Model #F220/RG - Lamp R/FL clear.
- L. Submersible Junction Box - Junction Box, Kim Model #JP7 or approved equal.
- M. Piping - Schedule 40 galvanized pipe unless otherwise noted.
- N. Metal Grate - Neenah R4991-G Type A.

3.01 Execution.

3.02 Placing Fittings. Prior to commencing with concrete work, Contractor shall provide and install all pipe and fittings as shown on Drawings. Secure as necessary.

3.03 Sleeving. All pipe passing through or under concrete shall be sleeved in PVC. Pack as necessary.

3.04 Working Components. Contractor shall provide and install all working components of the fountain as shown on Drawings. Install as per manufacturer's recommendations.

3.05 Electrical Service. Provide electrical service to pump vault room as required. Perform all grounding required, including GFI protection system, in accordance with state and local codes.

3.06 Demonstration. Contractor shall demonstrate flow rate of the fountain to the Architect. Adjust as necessary.

End of Section