

SECTION 033000 – CAST-IN-PLACE CONCRETE

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

1.2 SUMMARY

- A. This Section specifies cast-in-place concrete, including formwork, reinforcing, mix design, placement procedures, and finishes. This section applies to concrete work shown on the structural drawings. See Division 32 for site concrete.
- B. Cast-in-place concrete includes the following:
 - 1. Foundations and footings.
 - 2. Slabs-on-grade.
 - 3. Shear walls.
 - 4. Load-bearing building walls.
 - 5. Equipment pads and bases.
- C. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 1 Section “Structural Special Inspection.”
 - 2. Division 3 Section “Structural Precast Concrete – Plant Cast.”
 - 3. Division 3 Section “Permanent Forms – Insulated Concrete Forms.”
 - 4. Division 7 Section “Thermal and Moisture Protection.”
- D. Coordination: Unless other satisfactory agreements are specifically entered into by contractors concerned, all miscellaneous iron and steel, sleeves, anchors, etc., required by work of other contractors, will be furnished and installed by such other contractors with the cooperation of this contractor.

1.3 SUBMITTALS

1.4 QUALITY ASSURANCE

PART 2 - PRODUCTS

2.1 FORM MATERIALS

2.2 REINFORCING MATERIALS

2.3 CONCRETE MATERIALS

2.4 RELATED MATERIALS

2.5 PROPORTIONING AND DESIGNING MIXES

2.6 ADMIXTURES

2.7 CONCRETE MIXING

PART 3 - EXECUTION

- 3.1 GENERAL
- 3.2 FORMS
- 3.3 VAPOR RETARDER INSTALLATION
- 3.4 PLACING REINFORCEMENT
- 3.5 JOINTS
- 3.6 INSTALLING EMBEDDED ITEMS
- 3.7 PREPARING FORM SURFACES
- 3.8 CONCRETE PLACEMENT
- 3.9 FINISHING FORMED SURFACES
- 3.10 MONOLITHIC SLAB FINISHES
- 3.11 FACE FLOOR PROFILE NUMBERS (F-NUMBERS)
- 3.12 MISCELLANEOUS CONCRETE ITEMS
- 3.13 CONCRETE CURING AND PROTECTION
- 3.14 PENETRATING CONCRETE SEALER
- 3.15 REMOVING FORMS
- 3.16 REUSING FORMS
- 3.17 CONCRETE SURFACE REPAIRS
- 3.18 QUALITY CONTROL

END OF SECTION 033000