SECTION 03000
GENERAL INFORMATION

PART 1 – GENERAL

1.1 SUMMARY
A. This section provides general information standards for concrete work.

1.2 REFERENCES
A. Section 01400 Quality Control
B. Section 02500 Paving and Surfacing

1.3 SYSTEM PERFORMANCE REQUIREMENTS
A. Standards:
   1. Comply with the following applicable provisions except as otherwise indicated.
      ACI 301 “Specifications for Structural Concrete Building”
      ACI 318 “Building Code Requirements for Reinforced Concrete”
      Sampling ........................................................................................... ASTM C 172
      Slump ................................................................................................ ASTM C 143
      Air Content ....................................................................................... ASTM C 173
      Compressive Strength ........................................................................ ASTM C 39
      Materials:
      Portland Cement ............................................................................... ASTM C 150
      Aggregates ......................................................................................... ASTM C 33
      Water .................................................................................................. Drinker
      Air Entraining Admixture .......................................................... ASTM C 260
      Water-Reducing Admixture....................................................... ASTM C 494
      Weather Protection:
      Cold Weather ........................................................................ ACI 306
      Hot Weather ................................................................................. ACI 305
      Curing Compound
      Liquid Type Membrane-Forming Curing Compound ...... ASTM C 309
      Type I, Class A
1.4 DEFINITIONS

1.5 SUBMITTALS

1.6 QUALITY ASSURANCE
   A. Quality Assurance shall be provided in accordance with Division 1.

1.7 DELIVERY, STORAGE, AND HANDLING

1.8 WARRANTY
   A. Product and system warranties shall be provided in accordance with Division 1.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

2.2 MATERIALS, GENERAL

PART 3 – EXECUTION

3.1 EXAMINATION

3.2 INSTALLATION, GENERAL

3.3 TESTING, CLEANING, AND CERTIFICATION
   A. Testing of concrete will be required as defined by each job. The Project will be responsible for payment.

3.4 COMMISSIONING (DEMONSTRATION)

3.5 SCHEDULES

END OF SECTION
SECTION 03300
CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY
A. This section provides standards for cast-in-place concrete.

1.2 REFERENCES

1.3 SYSTEM PERFORMANCE REQUIREMENTS

A. Concrete Finishes:

1. Interior Finish: Apply trowel finish to monolithic slab surfaces that are exposed-to-view or are to be covered with resilient flooring, paint or other thin-film coating. Consolidate concrete surfaces by finish troweling, free of trowel marks, uniform in texture and appearance.

2. Exterior Finish: Apply medium broom finish to exterior slabs. Exposed aggregate finish may be used as special design feature when approved by the Design Review Board and the UC DENVER Project Manager.

3. All exterior flat work shall be treated with a curing compound.

4. All exterior concrete shall be sealed a minimum of once but not until at least 21 days after pour is made.

B. Post Tensioned Concrete

1. The use of post tensioned concrete must be specifically approved by UC Denver Facilities Projects and CBO through the UC Denver Project Manager.

C. Concrete Curing

1. Specified curing compounds should be checked for compatibility with flooring adhesives. Some resin based curing compounds are not compatible with resin based flooring adhesives. (Note: to Architect/Engineer specify appropriate moisture testing prior to floor material installation.)

1.4 DEFINITIONS

1.5 SUBMITTALS

1.6 QUALITY ASSURANCE

A. Quality Assurance shall be provided in accordance with Division 1.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Delivery, storage, and handling shall be provided in accordance with Division 1.

1.8 WARRANTY
A. Product and system warranties shall be provided in accordance with Division 1.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

2.2 MATERIALS, GENERAL

PART 3 - EXECUTION

3.1 EXAMINATION

3.2 INSTALLATION, GENERAL

3.3 TESTING, CLEANING, AND CERTIFICATION

3.4 COMMISSIONING (DEMONSTRATION)

3.5 SCHEDULES

END OF SECTION