

SECTION 034100 – PRECAST STRUCTURAL CONCRETE – PLANT CAST

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

1.2 SUMMARY

A. This Section includes structural precast concrete units, plant cast, including the following:

1. Hollow-core slab units.
2. Steel header members.
3. Steel connection plates and brackets.
4. Grouting and anchor bolting and welding.

B. Related Sections: The following sections contain requirements that relate to this section.

1. Division 1 Section “Structural Special Inspection.”
2. Division 3 Section “Cast-in-Place Concrete.”
3. Division 5 Section “Structural Steel Framing.”

1.3 PERFORMANCE REQUIREMENTS

1.4 SUBMITTALS

1.5 QUALITY ASSURANCE

1.5 DELIVERY, STORAGE, AND HANDLING

PART 2 – PRODUCTS

2.1 REINFORCING MATERIALS

2.2 PRESTRESSING TENDONS

2.3 CONCRETE MATERIALS

2.4 CONNECTION MATERIALS AND FINISHES

2.5 BEARING PADS

2.6 GROUT MATERIALS

2.7 CURING MATERIALS

2.8 CONCRETE MIXES

2.9 FABRICATION

2.10 HOLLOW-CORE SLAB UNITS

2.11 STRUCTURAL FRAMING UNITS

2.12 QUALITY CONTROL

PART 3 – EXECUTION

3.1 EXAMINATION

3.2 INSTALLATION

3.3 CLEANING

END OF SECTION 034100