**CROSS SECTION - PRECAST FIELD PANEL**

- **3/4” DIA. x 4” LONG HEADED ANCHOR STUD (4 PCS TOTAL)**
- **#5 REBAR 14” LONG BOTTOM (7 PCS)**
- **#5 REBAR 16” LONG TOP (7 PCS)**
- **1 1/8” MIN. COVER TO REBAR (1 3/8” NOM.)**
- **8 WIRE 2 1/8” MIN. SPACING**
- **12” DIA. x 16” LONG DEFORMED BAR ANCHORS (16 PCS) (SIDE FRAME)**
- **15 9/16”**

**CROSS SECTION - PRESTRESSED FIELD PANEL**

*FOR GAGE PANELS, SEE DWGS 500110 & 500120.*

**PRECAST NOTES:**
1. CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:
   - 28DAYS = 6000 psi MINIMUM
   - SHIPMENT = 4000 psi MINIMUM
   - REMOVAL FROM FORMS = 2500 psi MINIMUM

**PRESTRESSED NOTES:**
1. 28 DAY CONCRETE COMPRESSIVE STRENGTH = 7000 psi
   - MIN. TRANSFER COMPRESSIVE STRENGTH = 4500 psi
2. PRESTRESSING WIRE SHALL BE 5.23mm DIA.
   - CONFORMING WITH ASTM A-891 “STEEL WIRE DEFORMED. STRESS RELIEVED OR LOW RELAXATION FOR PRESTRESSED CONCRETE TIES” WITH A MINIMUM BREAKING STRENGTH OF 8500 LBS.
3. WIRE SHALL BE TENSIONED IN ACCORDANCE WITH PCI REQUIREMENTS TO 85% TYP. PER WIRE.

**COMMON STANDARDS**

**PRESTRESSED AND PRECAST CONCRETE PANELS FOR 9'-0” LONG WOOD TIES (9W)**

**FILE OWNER: UPRR**
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