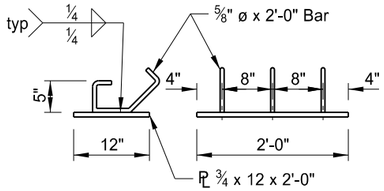
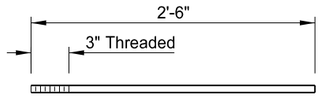
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	PROJECT NUMBER	SEC	PAGE



(Use ASTM A36 steel. Galvanize per Section 854. Include in the bid item for Prestressed Beam.)

BEARING PLATE DETAIL



No. 6 Deformed Rebar (Grade 60). Include in bid item for Prestressed Beam.

6AT500 DETAIL

NOTES:

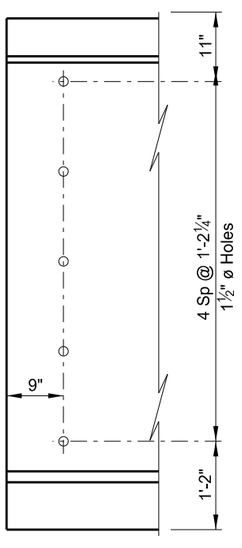
Provide holes and inserts in the beams at the locations shown to accommodate the diaphragm bars. Provide 6AT500 bars threaded to fit the inserts. Use galvanized, epoxy-coated, stainless steel, or non-metallic material for holes and inserts. See Slab Layout for diaphragm location details and required skew angle.

Provide lifting loops or handling hooks as required by the Contractor. Additional inserts, brackets, and hardware may be incorporated into the finished beam for the convenience of the Contractor. Use galvanized, epoxy-coated, stainless steel, or non-metallic material for all inserts, brackets, and hardware if less than 1 inch of concrete cover will be provided in the finished structure.

The required Detensioning Strength indicates the minimum required concrete strength at the time of prestress transfer. The required Acceptance Strength indicates the minimum required concrete strength prior to transporting and erecting the beams.

Y Distances shown in the table are measured from the bottom of the beam to the center of gravity of the strand group listed.

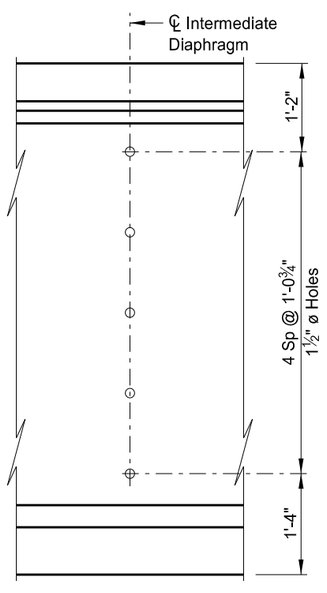
Minor changes to the shape of the beam and to the reinforcing steel may be made to accommodate the forms of various Contractors and their construction methods with the approval of the Engineer.



Use holes for all beams at the abutments and for interior beams at the piers. Use inserts for exterior beams at the piers.

ELEVATION

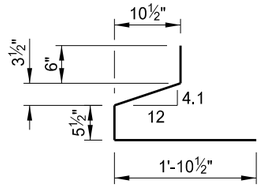
BEAM END DETAIL



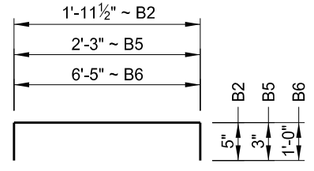
Use holes for all beams. See Dwg 0-000.000-0 for locations.

ELEVATION

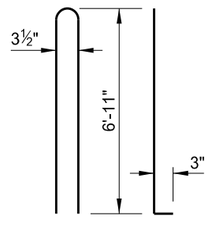
INTERMEDIATE DIAPHRAGM DETAIL



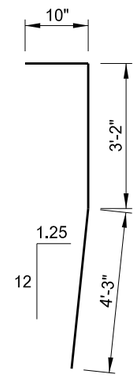
B1



B2, B5 & B6



B3



B4

BENT BAR DETAILS

NOTES:

All bar dimensions shown are out-to-out.

Unless noted otherwise, bend bars to the bend diameter (D) listed below.

#3 Bar: D = 1½"
#4 Bar: D = 2"
#5 Bar: D = 2½"

This drawing is preliminary and not for construction or implementation purposes.

LOCATION

PRE-TENSIONED 81" PRESTRESSED I-BEAM

DRAWING NO.	00-000.000-0