

Prestressed Concrete Box Beams

Notes:

Remove D-D Diaphragm Bar Insert cut section when there are no external diaphragms at the beam internal diaphragm location. Remove D-D cut section arrows, holes, labels, and dimensions on Plan and Elevation views.

Fabricator preference is to provide two straight strands in the top of the beam to help tie transverse reinforcement. If possible, design the beams to include two fully tensioned straight strands in the top of the beams (one in each corner). If that is not possible, provide the note shown below on the plan sheet:

At the Contractor's option, two symmetric 0.6" diameter strands, pulled to a maximum force of 5 kips each, may be provided in the top flange. Place strands to maintain the minimum required clear cover to all surfaces.

B10 Bar Guidance:

B10 bars shall have a maximum length of approximately 35'-0" and a minimum lap splice of 3'-0".