GIRDER DIMENSIONS

End of Girder

End of Girder

Intermediate Bent

Location of

Lifting Loops

End of Girder

Strand Arrangements

End of Girder

Strand Details at Girder Ends

Location of

Lifting Loops

Girder End

Strand Arrangements

End of Girder

Strand Details at Girder Ends

Contact your project manager to discuss further details.

 Feynman Laboratories of Princeton, Inc.

Effective: Nov. 2015

Supercedes: Aug. 2008

Standard Drawing Guidance (do not show on plans):

- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Use #4-B1 bars for slab drains and holes for steel intermediate diaphragms.
- Exterior and interior girders are the same, except for coil ties, and coil tie bar is required for each layer of bent-up strands except at end bents which require one bar fully bonded strands only. The total number of bent-up strands shall not be changed.
- One strand bedding material for the prestressed panels.
- Placement of preformed fiber expansion joint material or expanded or extruded polystyrene is not required.
- All reinforcement shall be Grade 60.
- Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.
- All dimensions are out to out.
- Actual lengths are measured along centerline of bar for Prestressed Concrete I-Girder.
- Minimum clearance for reinforcing shall be 1".
- Stirrup section and shapes shall be Grade 46.
- The end B1 bars may be furnished as one bar on the top of the girder section.
- AT END BENTS

- All B1 bars shall be epoxy coated.
- The two D1 bars may be furnished as one bar at the exterior face of exterior girders.
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