

The Girder-Slab[®] System Specification Guide

1. The open web Dissymmetric Beam shall be fabricated from (ASTM A992/A572 Grade 50) standard steel wide flange sections with flat bar at top-flange and shall meet AISC standards (except for depth, tolerance $\pm 1/8"$), unpainted unless specified. The open web Dissymmetric Beam can be specified to include camber. Cambering can be built in during assembly of the girder.
2. If the structural engineer of record determines that shoring of the pre-composite assembly is needed, leave in place until grout attains required strength.
3. Precast prestressed concrete hollow core slab units (min. 5000 PSI) shall be in 4 or 8 foot widths and shall meet PCI standards and tolerances, 2" min. bearing unless specified otherwise.
4. Reinforcing steel (ASTM A615 Grade 60) shall be placed through the Dissymmetric Beam web openings and into slab cores.
5. Cementitious grout (min. 4,000 PSI) shall be placed monolithically around and through the Dissymmetric Beam web openings and into slab cores. When concrete topping is used, attain specified strength of grout prior to placement.
6. The Girder-Slab System shall be constructed in accordance with Underwriters Laboratories Inc., Floor-Ceiling Assembly Design No. K912 in order to meet fire classification standards and ratings set forth by BOCA and ICC codes.
7. The Girder-Slab[®] System and D-Beam[®] Girders shall be provided by steel fabricators authorized by Girder-Slab Technologies LLC of NJ in conformance with its Design-Guide & Distribution requirements. Steel Fabricator/Distributor contact information: 1-888-478-1100 or www.girder-slab.com.
8. The supplier of the Girder-Slab System shall provide to the Project Owner (or its representative) a Girder-Slab Compliance Certificate for each project upon completion of system assembly and construction.
9. Comply with all applicable provisions of the following standards and codes:
 - o Girder-Slab Technologies LLC Design-Guide
 - o American Institute of Steel Construction (AISC)
 - o American Welding Society (AWS)
 - o Precast Concrete Institute (PCI)
 - o American Concrete Institute (ACI)
 - o American Society of Testing and Materials (ASTM)
 - o Underwriters Laboratories Inc. (UL) - Fire Resistance Directory UL K912
 - o Building Officials and Code Administrators International Inc. (BOCA) - National Building Code
 - o International Code Council Inc. (ICC) - International Building Code
 - o Other applicable codes and standards