NOTES:
1. Galvanize HSS 8" X 8" X ½" and ¾" X 4" brackets. Point inside drilled holes. HSS and steel surfaces of HSS assemblies shall be free of oil, grease, and all similar substances. Use water-based primers. HSS and bracket holes are not galvanized with zinc-rich primer. Threaded rod must be galvanized with zinc-rich primer.
2. Use thread locking system for all fasteners. Torque nuts on threaded rods to 300 ft-lb min.
3. Polyethylene must have compressive strength of at least 10 psi with a deflection between 5 percent and 15 percent when tested under ASTM D3575, Suffix B.
4. Place HSS ¾" below the lower seat in main transverse reinf.
5. Place HSS parallel to hinge seat and in line with girders. Align all HSS sections parallel to each other.
6. Adjust reinforcement to accommodate HSS and allow ¼" clear min. to transverse reinf.
7. This drawing is for the installation of the HSS Shear Key. For information and other hinge details refer to contract plans.