

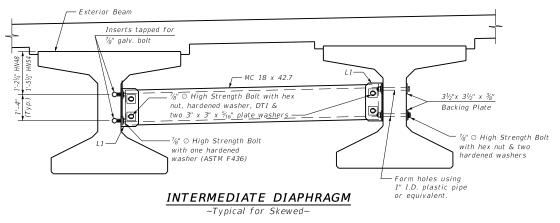
DIAPHRAGM NOTES

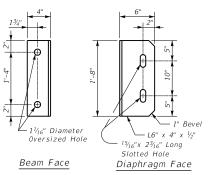
CONNECTIONS: Ensure all bolted connections are ASTM A325, $\frac{7}{6}$ inch diameter high strength bolts, nuts, and washers, mechanically zinc coated in accordance with AASHTO M298, for Class 50. Install all high strength bolted fiel&connections using "direct tension indicators" (DTI's) in accordance with the Standard Specification ASTM F959. Ensure all DTI's are mechanically zinc coated. Show installation details of the DTI's on the shop plans. Place DTI's under the bolt head. ASTM A449 bolts may be used in lieu of A325 for the bolts carried through the girder webs only.

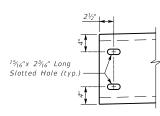
STRUCTURAL STEEL: Ensure plates, angles, and channels conform to ASTM A36 or A572 and galvanized after fabrication.

SHOP DRAWINGS: Show the location of all inserts and holes on the precast beam shop drawings. Submit shop drawings for the steel diaphragms to the Division of Structural Design for approval.

DIAPHRAGMS: Erect the diaphragms the same day that the precast beams are placed on the substructure. Include the cost of all materials and labor required to fabricate and erect the diaphragms in the bid for Precast Beams.







<u>CHANNEL END</u>

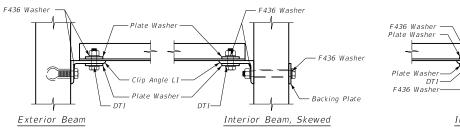
CLIP ANGLE - L1





BACKING PLATE
Skewed Spans, Only

PLATE WASHER



F436 Washer Plate Washer Plate Washer DTI F436 Washer Interior Beam, Straight

Clip Angle L1

CONNECTION DETAILS

KENTUCKY
DEPARTMENT OF HIGHWAYS

PPC I-BEAM

HN48 AND HN54

HN48 AND HN54 DIAPHRAGM DETAILS

STANDARD DRAWING NO. BSD-009

SUBMITTED DIRECTOR DOVISION OF STRUCTURAL DESIGN DATE

APPROVED STATE-RIGHTAL RUSHEER 02-26-20
DATE

20-26-20
DATE