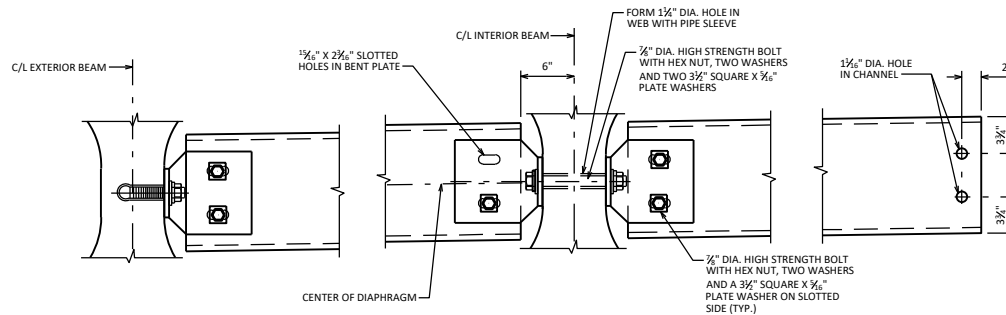
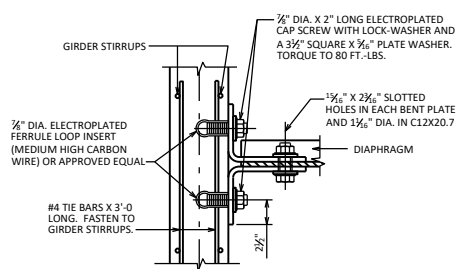


**PART TRANSVERSE SECTION AT DIAPHRAGM**

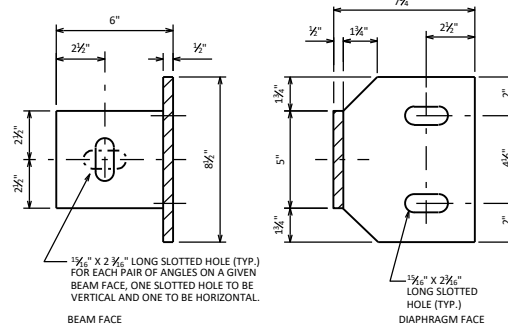


**DETAIL C**

**DETAIL B**

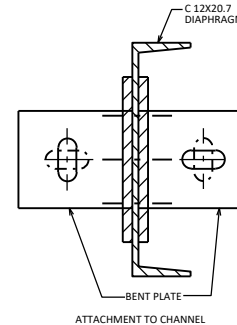


**SECTION A-A**  
(FOR EXTERIOR ATTACHMENT)

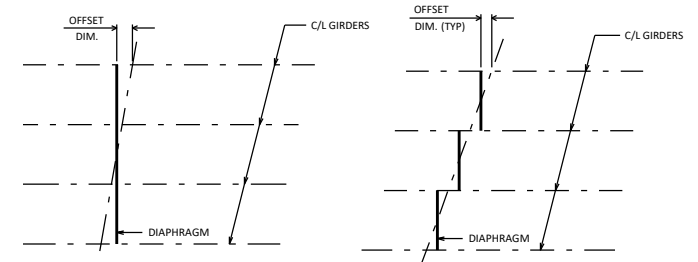


**BEAM FACE**

**DIAPHRAGM FACE**

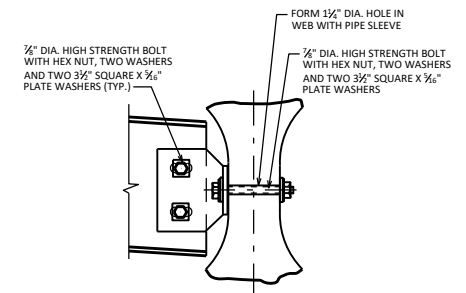


**ATTACHMENT TO CHANNEL**



**PLAN FOR SKEW ANGLES ≤ 10°**

**PLAN FOR SKEW ANGLES > 10°**



**SECTION AT INTERIOR GIRDERS THRU  
DIAPHRAGM FOR SKEW ANGLES > 10°**

## NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-...", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/2 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

## DESIGNER NOTES

FOR SPANS EQUAL TO OR LESS THAN 80'-0", PLACE ONE DIAPHRAGM AT MID-LENGTH OF GIRDER. FOR SPANS OVER 80'-0", PLACE AT 1/3 AND 2/3 POINTS.

ON THE PLANS, SHOW LOCATION OF INSERTS/HOLES FOR DIAPHRAGM TO WEB CONNECTION, NOT ONLY FROM THE BOTTOM OF THE GIRDER (DIM "A" AND "B"), BUT ALSO FROM THE ENDS OF EACH GIRDER.

**INTERM. STEEL DIAPHS. FOR  
36W" PRESTRESSED GIRDERS**



**BUREAU OF  
STRUCTURES**

APPROVED: *Laura Shadewald*

DATE:  
7-25