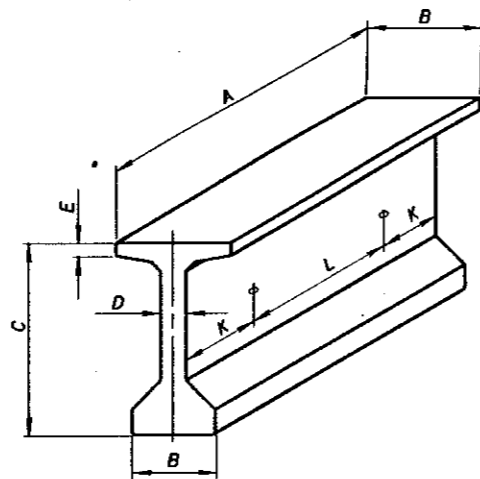


AASHTO TYPES 2, 3 & 4

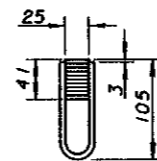


AASHTO MODIFIED TYPE 4 BEAMS

BEAM DIMENSIONAL TOLERANCES
(mm)

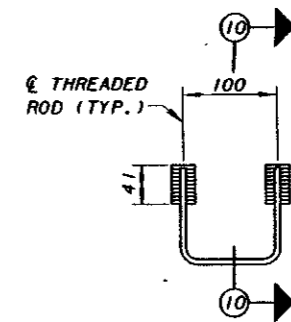
	DESCRIPTION	TOLERANCES
A	LENGTH OF BEAM	±3 mm PER 3000 mm; 19 mm MAX.
B	WIDTH OF FLANGES INCLUDING FILLETS	+10, -6
C	TOTAL DEPTH	+12, -6
D	WIDTH OF WEB	+10, -6
E	DEPTH OF FLANGES AND DEPTH OF WEB (INCLUDING FILLETS)	±6
F	HORIZONTAL ALIGNMENT (DEVIATION FROM A STRAIGHT LINE PARALLEL TO C OF MEMBER)	±3 mm PER 3000 mm; 25 mm MAX.
G	CAMBER, DIFFERENTIAL FROM DESIGN CAMBER	±3 mm PER 3000 mm; 25 mm MAX.
H	STIRRUP BARS, PROJECTION ABOVE TOP OF BEAM	±19
I	STRAND POSITION, C.G. OF STRAND GROUP AND INDIVIDUAL STRANDS	±6
J	POSITION OF LIFTING DEVICES	±150
K	SIDE INSERTS (C TO END)	+12, -0
L	SIDE INSERTS (C TO C)	±12
M	BEAM ENDS DEVIATION FROM SQUARE, HORIZONTAL	±6
N	BEAM ENDS DEVIATION FROM SQUARE, VERTICAL	±3 mm PER 300 mm OF BEAM HEIGHT
P	STIRRUP BARS, LONGITUDINAL SPACING (ANCHORAGE ZONE)	±6
Q	STIRRUP BARS, LONGITUDINAL SPACING	±25

DIMENSIONAL VARIATION IN EXCESS OF THE TOLERANCES SHOWN MAY BE CAUSE FOR REJECTION OF THE MEMBER. GENERALLY THE DIMENSIONS SHOULD BE WELL WITHIN THE TOLERANCE LIMIT.

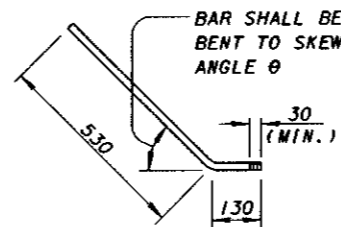


SINGLE THREADED INSERT
(13.5 kN PROOF LOAD)

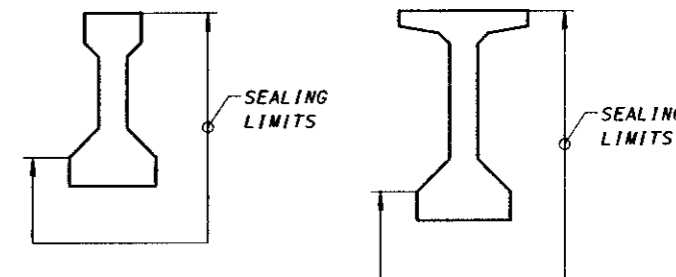
NOTE - THE GIRDER FABRICATOR MAY USE DOUBLE THREADED INSERTS IN LIEU OF TWO SINGLE INSERTS SPACED AT 100 mm ON CENTER AT INTERMEDIATE DIAPHRAGM LOCATIONS.



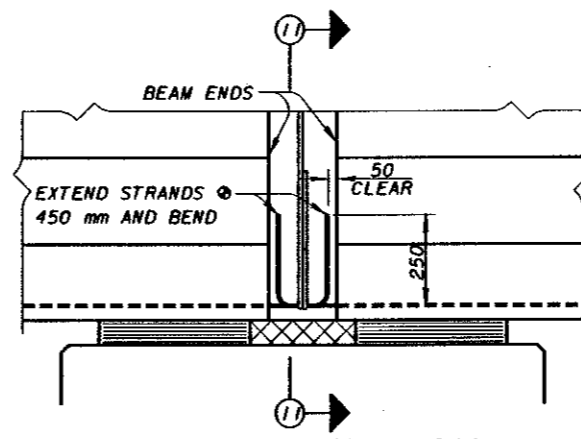
DOUBLE THREADED INSERT
(27.0 kN PROOF LOAD)



19 mm Ø x 660 mm THREADED ROD

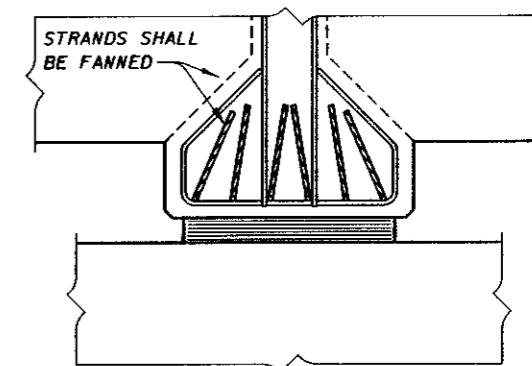


SEALING OF FASCIA BEAMS



EXTENDED STRAND DETAIL

⊙ - THE NUMBER OF STRANDS TO BE BENT SHALL BE THE LARGER OF ONE HALF THE NUMBER OF ROW 1 STRANDS OR THE NUMBER OF STRANDS SUFFICIENT TO RESIST THE POSITIVE LIVE LOAD MOMENT AT THE PIER. ALTERNATE STRANDS IN ABUTTING BEAMS TO AVOID INTERFERENCE.



SECTION 1-1
(PARTIAL PIER AND DIAPHRAGM SHOWN)

DESIGN AGENCY: BUREAU OF BRIDGES AND STRUCTURAL DESIGN
 STATE OF OHIO DEPARTMENT OF TRANSPORTATION
 REVIEWED: L.M.W.
 CHECKED: J.S.
 DESIGNED: SAM/FO
 PSID-1-95M
 STANDARD: PRESTRESSED CONCRETE I-BEAM BRIDGE DETAILS
 DATE: 7-18-95
 ENGINEER OF BRIDGES: Richard L. Engel