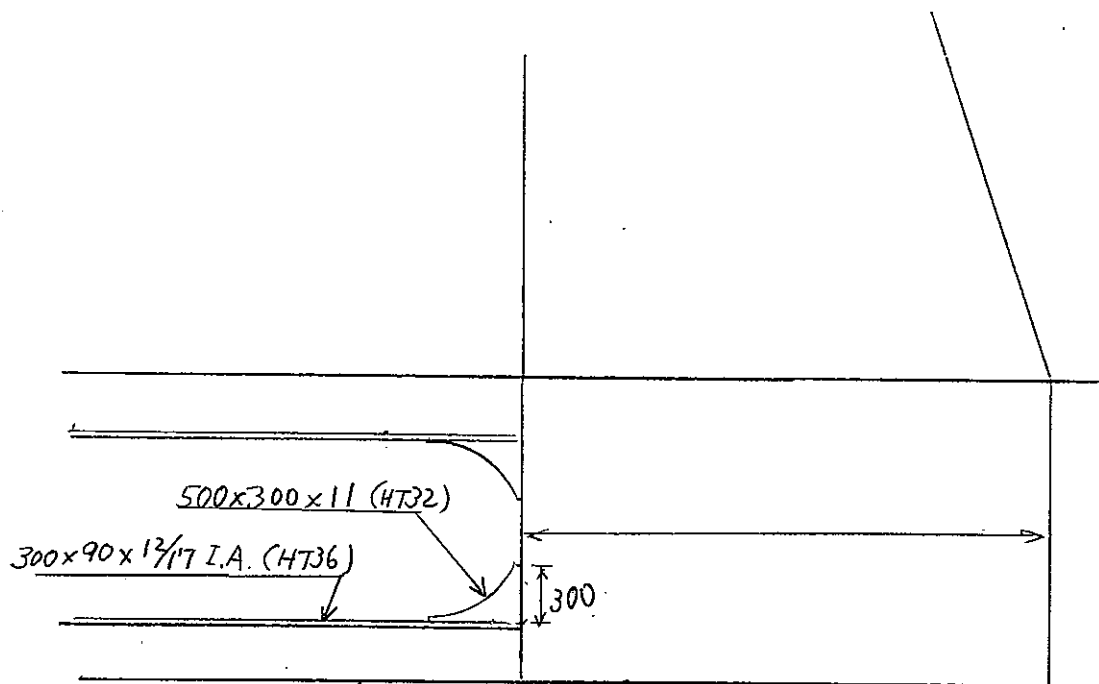


1. The section of the bracket and the stiffener;
 - 1-a. at the end of the stiffener.
 - 1-b. at the mid-point of the free edge of the bracket.

In case 1, is the snipped flange of the stiffener included in the calculations?

2. The section of the bracket;
 - 2-a. normal to the free edge of the bracket.
 - 2-b. at the end of the stiffener.
 - 2-c. attached to the stiffener.
 - 2-d. smaller of 2-b and 2-c.



	BKT AT END (2-b)	MODIFIED BKT AT END (2-b)
<p>DTM LONG HL</p> <p>$(K = 0.72)$ $SM = 555 \text{ cm}^3$ (HT36)</p> <p>$A_{st.H} = 37.92 \text{ cm}^2$ (HT36)</p>	<p> <p>$(K = 0.78)$ $SM = 795 \text{ cm}^3$ (HT32) $SM' = 795 \times \frac{0.72}{0.78} = 733 \text{ cm}^3$</p> <p>$A_{BKT} = 24 \text{ cm}^2$ (HT32)</p> </p>	<p> <p>FOR HT36 BASE, $t = \frac{37.92 \times 100}{300} \times \frac{0.78}{0.72}$ $= 13.7 \rightarrow 14 \text{ mm}$</p> <p>$A_{BKT} = 39 \text{ cm}^2$ (HT32)</p> </p>

→ BRACKET SIZE TO BE INCREASED TO $300 \times 16 \text{ HT32}$ FROM $300 \times 11 \text{ HT32}$

→ IF MATERIAL FACTOR SHOULD BE CONSIDERED, TO BE INCREASED TO $300 \times 17 \text{ HT32}$