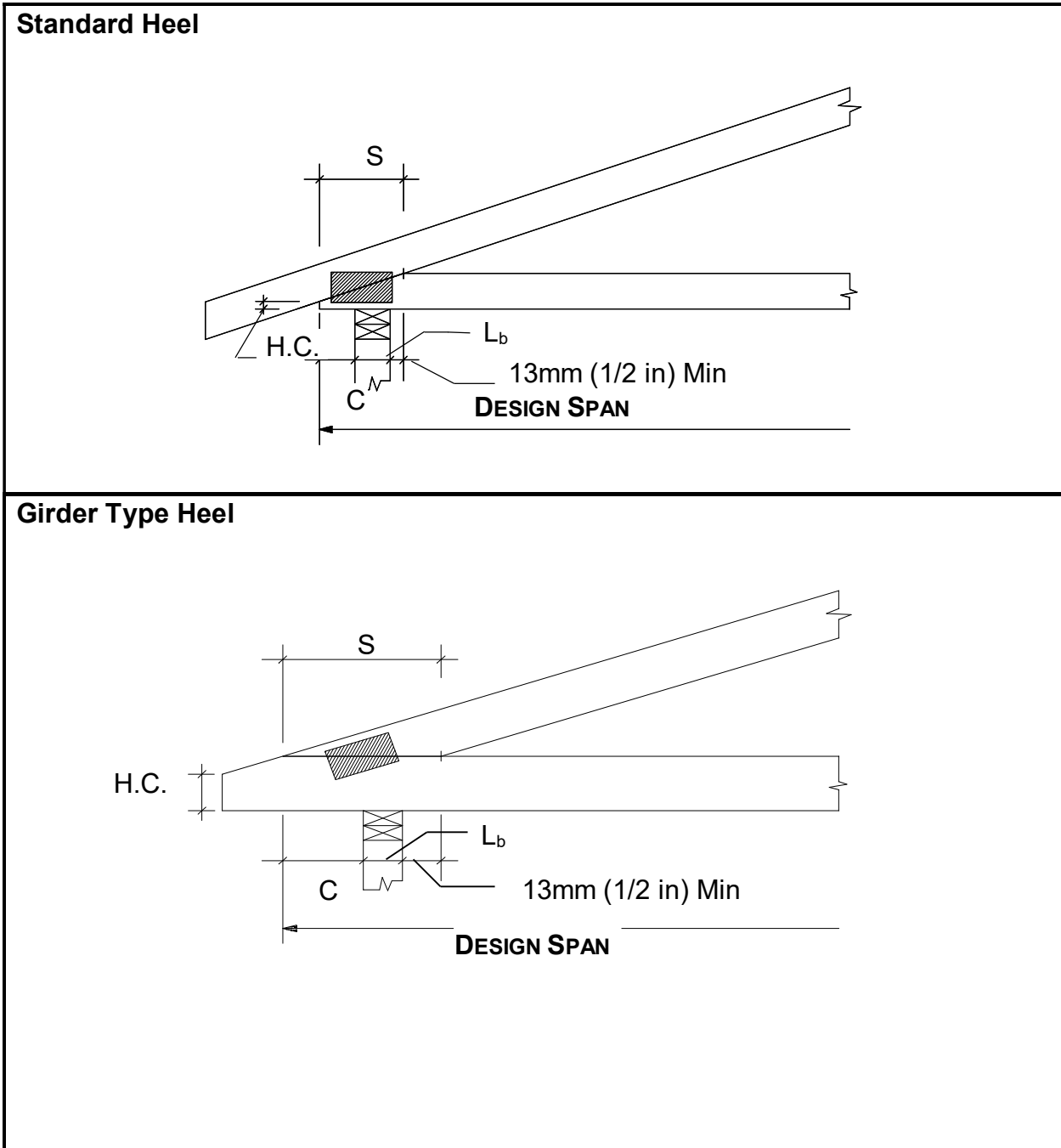


A.1 SHORT CANTILEVERS: DETAIL WITHOUT REINFORCING

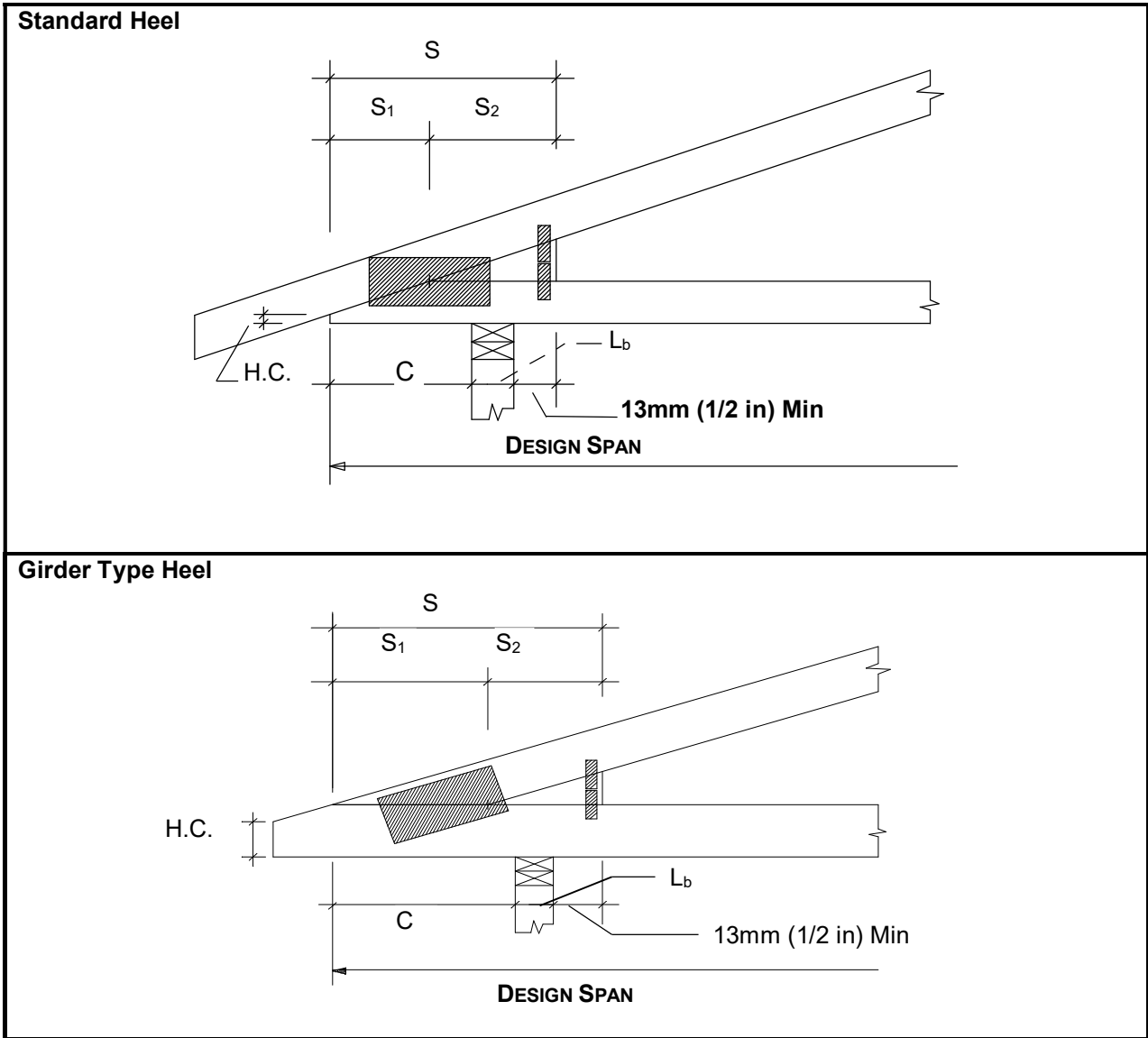


MAXIMUM CANTILEVER "C" CALCULATION

$$C(\text{mm}) = S(\text{mm}) - (L_b(\text{mm}) + 13 \text{ mm})$$

$$C(\text{in}) = S(\text{in}) - (L_b(\text{in}) + 1/2 \text{ in})$$

A.2 SHORT CANTILEVERS: DETAIL WITH WEDGE REINFORCING



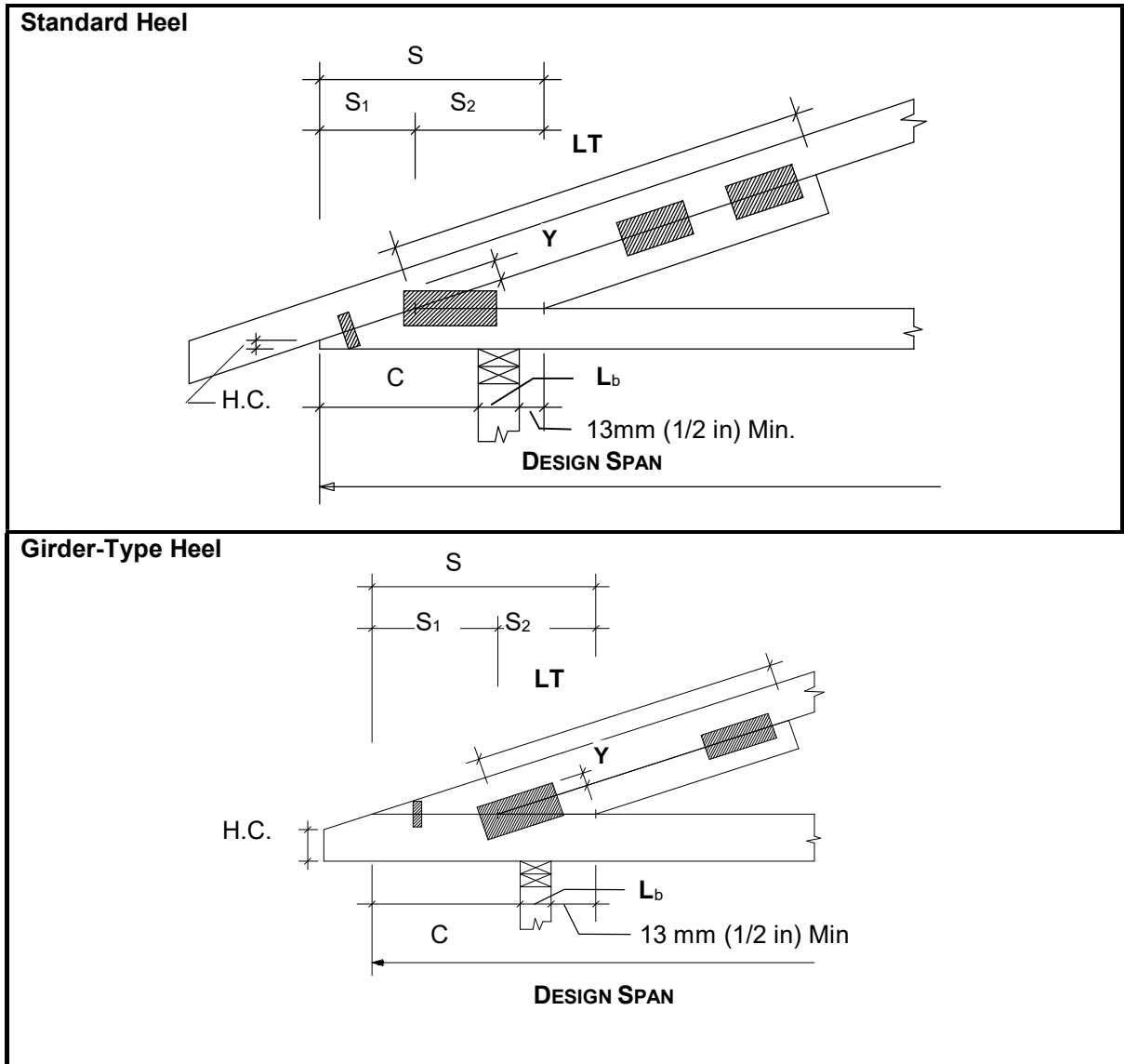
MAXIMUM CANTILEVER "C" CALCULATION

$$C(\text{mm}) = S_1(\text{mm}) + 89 \text{ mm}$$

$$C(\text{in}) = S_1(\text{in}) + 3 \frac{1}{2} \text{ in}$$

- Notes:
1. Minimum value for $S_2(\text{mm}) = L_b(\text{mm}) + 102\text{mm}$
 $S_2(\text{in}) = L_b(\text{in}) + 4 \text{ in}$
 2. Maximum value for S_2 in determining analogue distance S is that calculated for a wedge depth equaling the bottom chord depth.

A.3 SHORT CANTILEVERS: DETAIL WITH PARTIAL TOP CHORD REINFORCING MEMBER (PARTIAL TOP CHORD SLIDER)



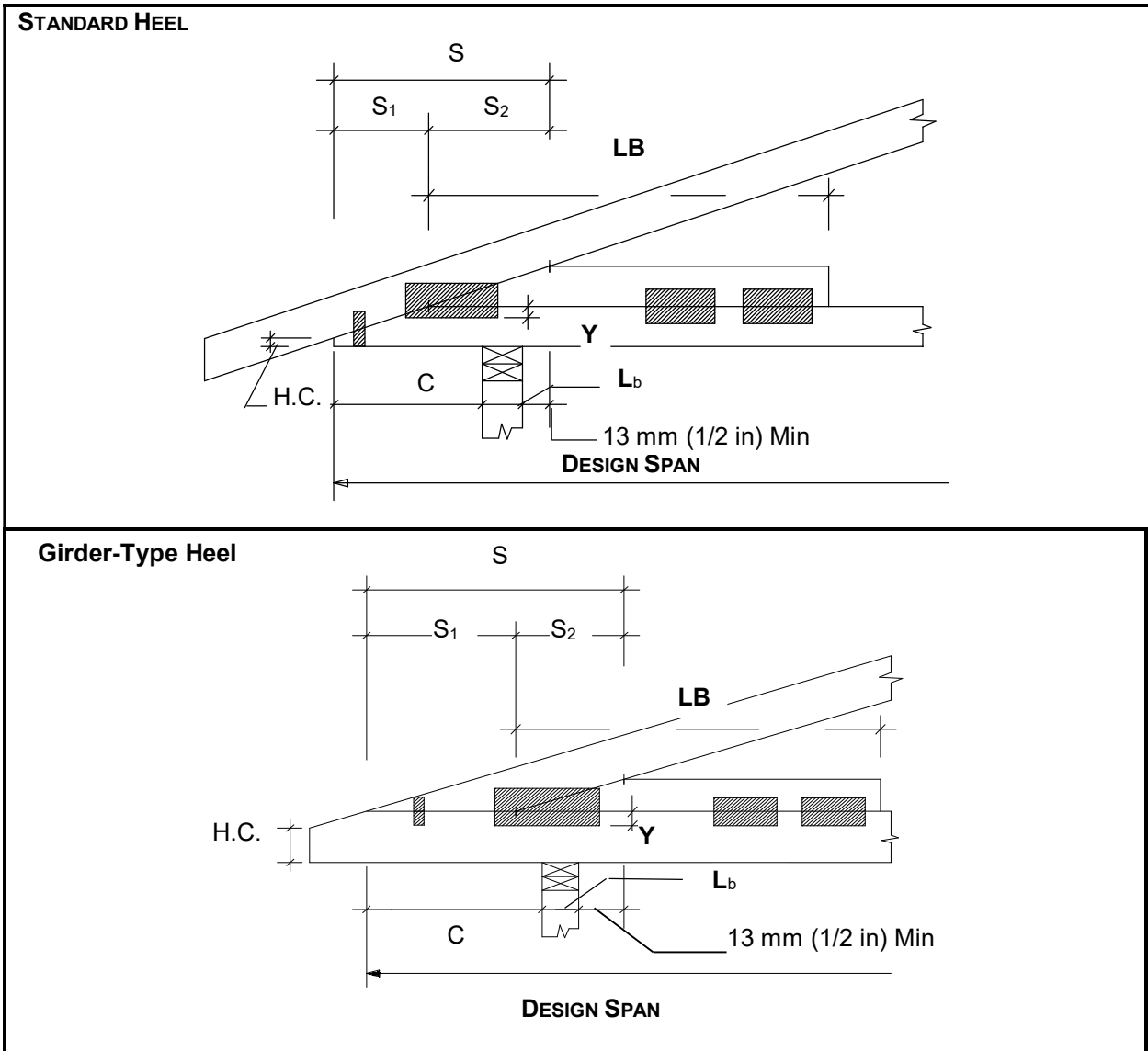
MAXIMUM CANTILEVER "C" CALCULATION

$$C(\text{mm}) = S_1(\text{mm}) + S_2(\text{mm}) - (L_b(\text{mm}) + 13 \text{ mm})$$

$$C(\text{in}) = S_1(\text{in}) + S_2(\text{in}) - (L_b(\text{in}) + 1/2 \text{ in})$$

- | | |
|--------|--------------------------------------------------------------------------------------|
| Notes: | 1. Maximum value of S_2 is limited by maximum reinforcing member size 38x184 (2x8) |
| | 2. LT = Minimum of one half the length of top chord panel |
| | 3. Y = Minimum of 25 mm (1 in) |

A. 4 SHORT CANTILEVERS: DETAIL WITH PARTIAL BOTTOM CHORD REINFORCING MEMBER (PARTIAL BOTTOM CHORD SLIDER)



MAXIMUM CANTILEVER "C" CALCULATION

$$C(\text{mm}) = S_1(\text{mm}) + S_2(\text{mm}) - (L_b(\text{mm}) + 13 \text{ mm})$$

$$C(\text{in}) = S(\text{in}) + S_2(\text{in}) - (L_b(\text{in}) + 1/2 \text{ in})$$

- Notes:
1. Maximum value of S_2 is limited by maximum reinforcing member size 38x184 (2x8)
 2. LB = Minimum of two thirds the length of bottom chord panel
 3. Y = Minimum of 25 mm (1 in)