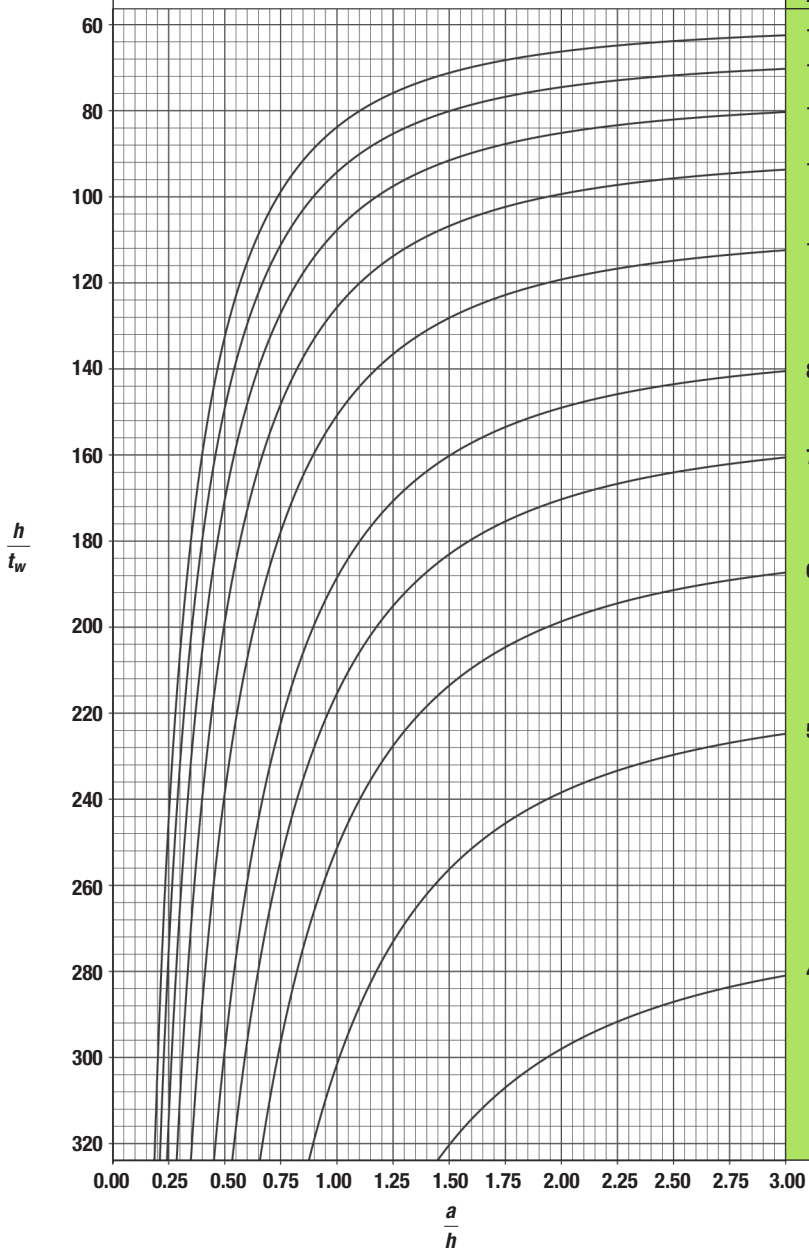
Table 3-16a
Available Shear Stress, ksi
per AISC *Specification* Section G2.1

F_y = 50 ksi



$\Omega_v = 1.67$	$\phi_v = 0.90$
$\frac{V_n}{\Omega_v A_w}$	$\frac{\phi_v V_n}{A_w}$
ASD	LRFD
18.0	27.0
16.0	24.0
14.0	21.0
12.0	18.0
10.0	15.0
8.00	12.0
7.00	10.5
6.00	9.00
5.00	7.50
4.00	6.00

Table 3-16b

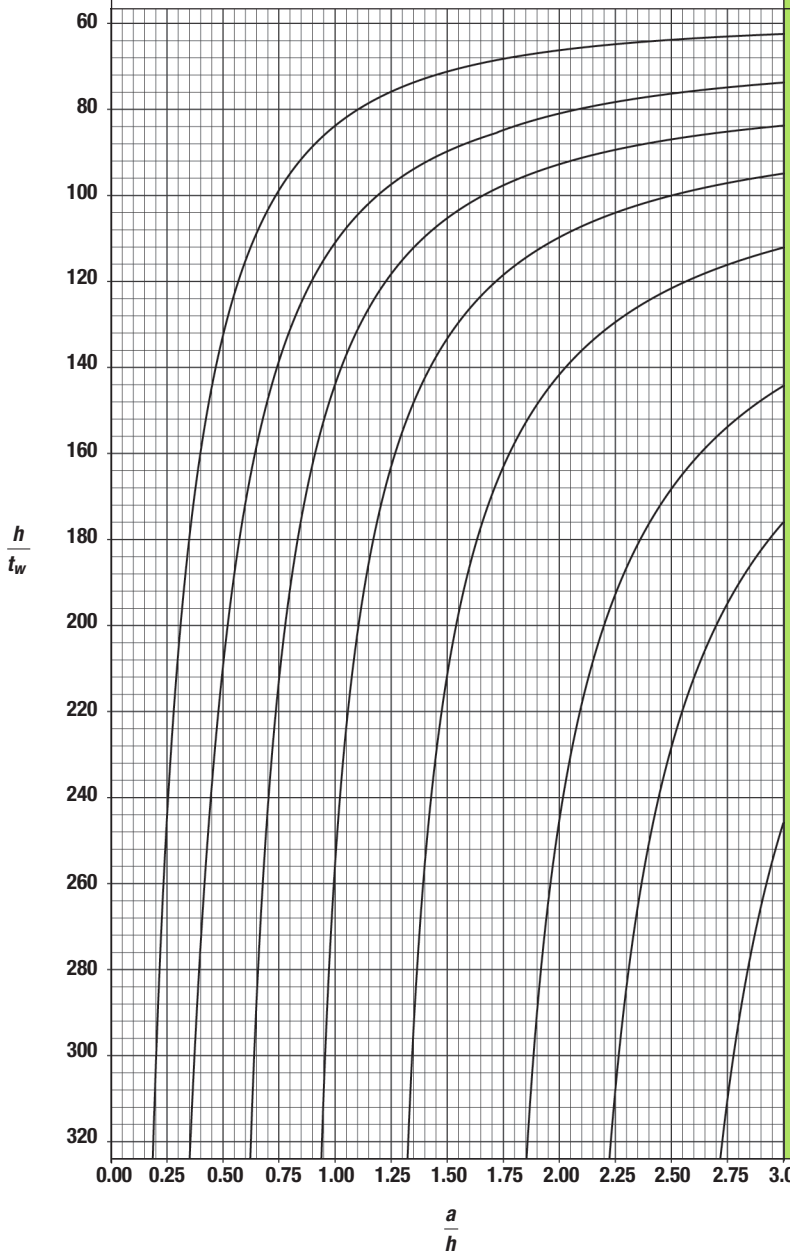
Available Shear Stress, ksi

Interior Panels with $a/h \leq 3$

Considering Tension Field Action

When $2A_w/(A_{fc} + A_{ft}) \leq 2.5$, $h/b_{fc} \leq 6.0$, and $h/b_{ft} \leq 6.0$

$F_y = 50$ ksi



$\Omega_v = 1.67$	$\phi_v = 0.90$
$\frac{V_n}{\Omega_v A_w}$	$\frac{\phi_v V_n}{A_w}$
ASD	LRFD
18.0	27.0
16.0	24.0
14.0	21.0
12.0	18.0
10.0	15.0
8.00	12.0
7.00	10.5
6.00	9.00

Table 3-16c

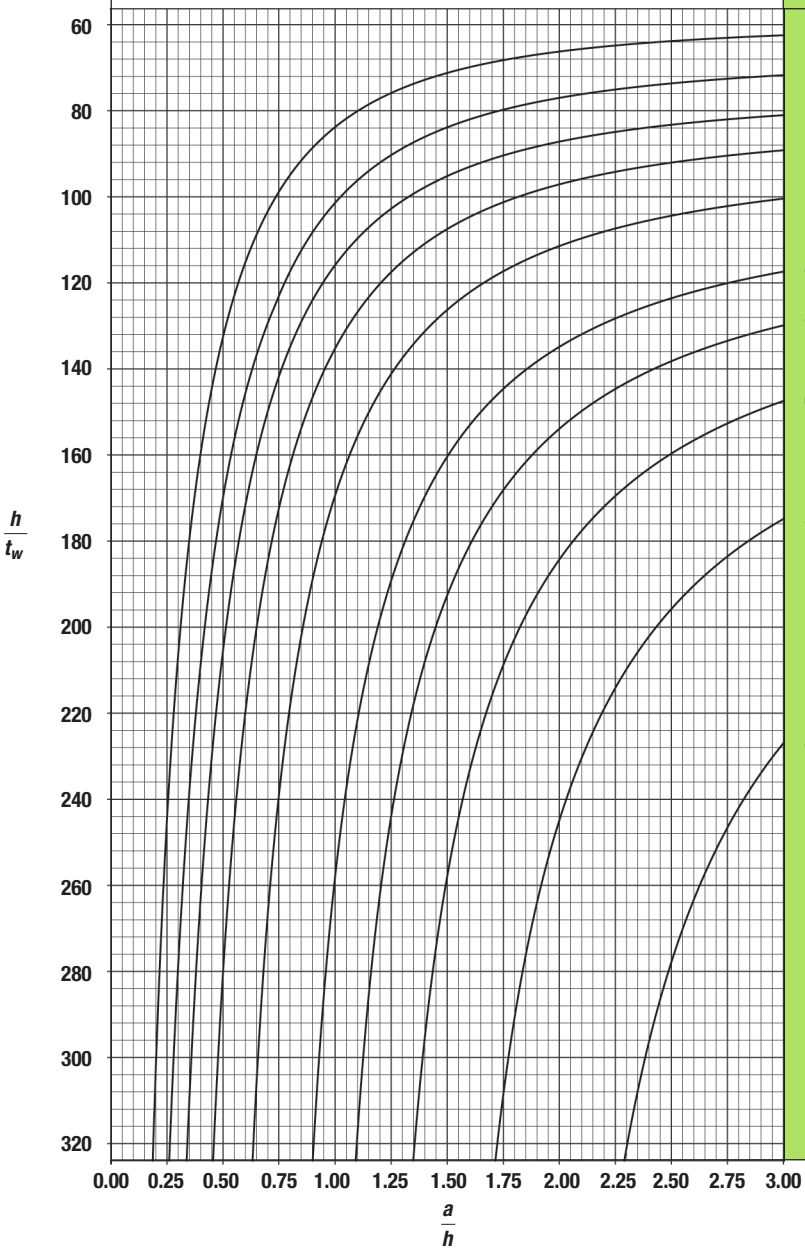
Available Shear Stress, ksi

Interior Panels with $a/h \leq 3$

Considering Tension Field Action

When $2A_w/(A_{fc} + A_{ft}) > 2.5$, $h/b_{fc} > 6.0$ or $h/b_{ft} > 6.0$

$F_y = 50$ ksi



$\Omega_v = 1.67$	$\phi_v = 0.90$
$\frac{V_n}{\Omega_v A_w}$	$\frac{\phi_v V_n}{A_w}$
ASD	LRFD
18.0	27.0
16.0	24.0
14.0	21.0
12.0	18.0
10.0	15.0
8.00	12.0
7.00	10.5
6.00	9.00
5.00	7.50
4.00	6.00