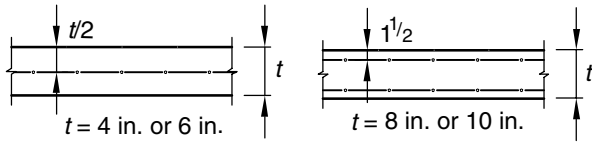


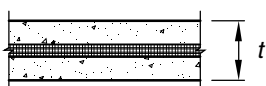
**Design Aid 3.12.6 Partial Interaction Curves for Precast, Reinforced Concrete Solid and Sandwich Wall Panels**



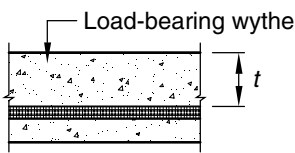
t, in.	Full interaction curve data			
	$\phi P_o$	$\phi P_{nb}$	$\phi M_{nb}$	$\phi M_c$
4	134	67	5.5	0.5
6	202	100	12.4	1.0
8	269	131	22.6	1.8
10	336	164	35.5	2.8

Units for  $\phi P$  are kip, units for  $\phi M$  are kip-ft.  
Values are for 1 ft width.

Curves based on minimum vertical reinforcement  
 $\rho = 0.10\%$  normalweight concrete  
 $f'_c = 5000$  psi, normalweight  
 $f_y = 60,000$  psi



Fully composite sandwich panel



Partially composite or non-composite

