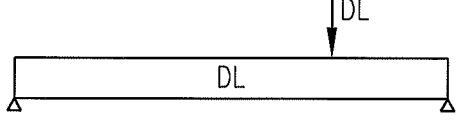
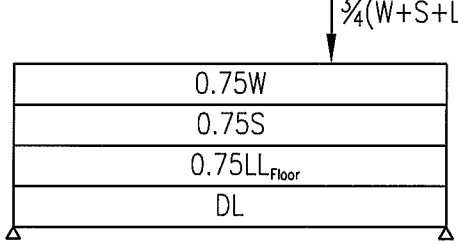
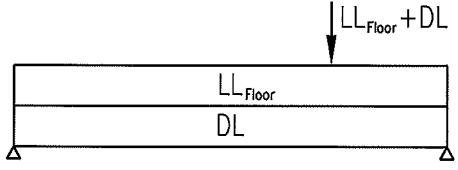
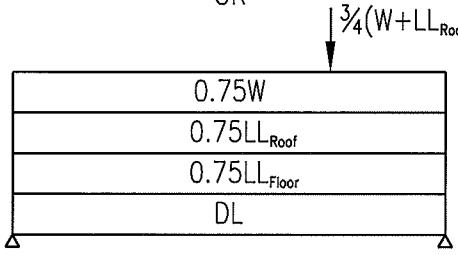
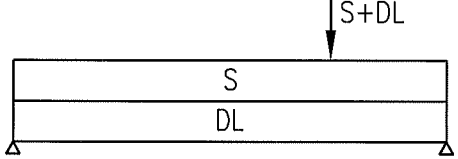
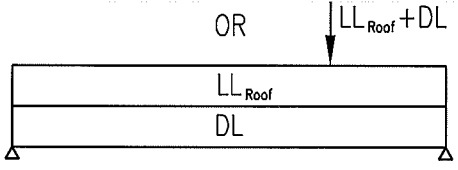
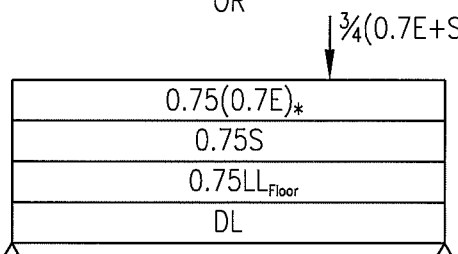
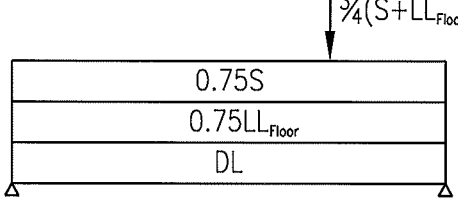
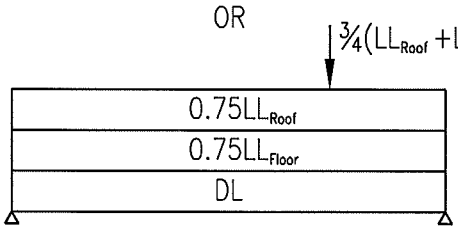
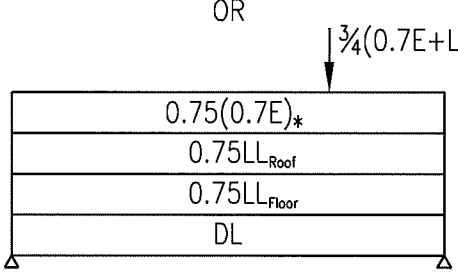
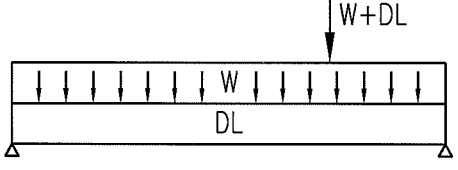
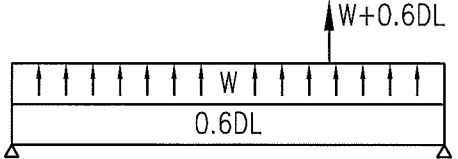
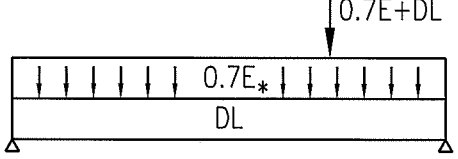
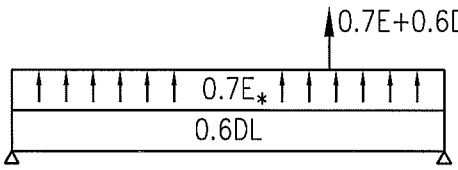


Load Combinations

Allowable Stress Design (ASD)

Sect. 1605.3.1 of 2006 IBC

 <p>Eq. 16-8 $C_D = 0.90$</p>	 <p>Eq. 16-13 $C_D = 1.60$</p>
 <p>Eq. 16-9 $C_D = 1.00$</p>	<p>OR</p>  <p>Eq. 16-13 $C_D = 1.60$</p>
 <p>Eq. 16-10 $C_D = 1.15$</p> <p>OR</p>  <p>Eq. 16-10 $C_D = 1.25$</p>	<p>OR</p>  <p>Eq. 16-13 $C_D = 1.60$</p>
 <p>Eq. 16-11 $C_D = 1.15$</p> <p>OR</p>  <p>Eq. 16-11 $C_D = 1.25$</p>	 <p>Eq. 16-13 $C_D = 1.60$</p>
 <p>Eq. 16-12 $C_D = 1.60$</p> <p>OR</p>	<p>Wind Up (-)</p>  <p>Eq. 16-14 $C_D = 1.60$</p>
 <p>Eq. 16-12 $C_D = 1.60$</p>	<p>Seismic Up (-)</p>  <p>Eq. 16-15 $C_D = 1.60$</p>

* Flat roof snow loads (S) of 30 psf (1.44kN/m) or less need not be combined with seismic loads (E). Where flat roof snow load exceeds 30 psf, 20 percent shall be combined with seismic loads.

Note: W or E loads may act up(-) or down(+)

D = Dead Load.
E = Earthquake (Seismic).
LL_{Floor} = Any live load except roof.
LL_{Roof} = Live load roof.
S = Snow load.
W = Wind load.