

Factored Loading for design of steel structures for Ultimate Limit States.					
	Dead	Live	Wind	Snow	Earthquake
Notional Loads	D	L	W	S	E
Low importance (0.8)					
Load case 1	1.4*D				
Load case 2a	1.25*D	1.5*L		0.5*S*0.8	
Load case 2b	1.25*D	1.5*L	0.4*W*0.8		
Load case 3a	1.25*D	0.5*L		1.5*S*0.8	
Load case 3b	1.25*D		0.4*W*0.8	1.5*S*0.8	
Load case 4a	1.25*D	0.5*L	1.4*W*0.8		
Load case 4b	1.25*D		1.4*W*0.8	0.5*S*0.8	
Load case 5a	D	0.5*L			E*0.8
Load case 5b	D			0.25*S*0.8	E*0.8
Normal importance (1.0)					
Load case 1	1.4*D				
Load case 2a	1.25*D	1.5*L		0.5*S	
Load case 2b	1.25*D	1.5*L	0.4*W		
Load case 3a	1.25*D	0.5*L		1.5*S	
Load case 3b	1.25*D		0.4*W	1.5*S	
Load case 4a	1.25*D	0.5*L	1.4*W		
Load case 4b	1.25*D		1.4*W	0.5*S	
Load case 5a	D	0.5*L			E
Load case 5b	D			0.25*S	E
High Imp (1.15)					
Load case 1	1.4*D				
Load case 2a	1.25*D	1.5*L		0.5*S*1.15	
Load case 2b	1.25*D	1.5*L	0.4*W*1.15		
Load case 3a	1.25*D	0.5*L		1.5*S*1.15	
Load case 3b	1.25*D		0.4*W*1.15	1.5*S*1.15	
Load case 4a	1.25*D	0.5*L	1.4*W*1.15		
Load case 4b	1.25*D		1.4*W*1.15	0.5*S*1.15	
Load case 5a	D	0.5*L			E*1.15
Load case 5b	D			0.25*S*1.15	E*1.15
Post Disast.(1.25)					
Load case 1	1.4*D				
Load case 2a	1.25*D	1.5*L		0.5*S*1.25	
Load case 2b	1.25*D	1.5*L	0.4*W*1.25		
Load case 3a	1.25*D	0.5*L		1.5*S*1.25	
Load case 3b	1.25*D		0.4*W*1.25	1.5*S*1.25	
Load case 4a	1.25*D	0.5*L	1.4*W*1.25		
Load case 4b	1.25*D		1.4*W*1.25	0.5*S*1.25	
Load case 5a	D	0.5*L			E*1.25
Load case 5b	D			0.25*S*1.25	E*1.25