ALC's Passive Safe Columns

Proposed new Passive Safety coding for Nedal lighting columns (provisional - has to be validated)						
New passive safety coding	Current Coding	Max. Bending Moment	Min. Light Source Height (m)	Max. Light Source Height (m)	Max. Bracket Projection (m)	Remarks
50, 70 and 100 NE B S SE MD 0	100 NE 3	7455 Nm	2	5.4	1.25	
50, 70 and 100 NE B X SE MD 0	70 NE 3 100 NE 3	29909 Nm	2	15.0	2.00	With shear-off construction
100 NE C S SE MD 0	100 NE 2	18701 Nm	2	12.4	1.50	
50, 70 and 100 NE C R SE MD 0	100 NE 2	29909 Nm	2	18.1	1.50	Fixed flange plate with break bolts
50, 70 and 100 NE C R SE MD 0	70 NE 2 100 NE 2	9265 Nm	2	9.0	0.60	
100 NE D S SE MD 1	100 NE 1	33562 Nm	2	10.0	1.25	With elongated inner tube below ground level
100 LE C S SE BD 0	100 LE 3	18701 Nm	10	10.0	1.25	Special elongated inner tube above ground level
100 LE D S SE BD 0	100 LE 2	18701 Nm	8	12.4	1.25	Special elongated inner tube above ground level

Signposts

Proposed new Passive Safety coding for Nedal lighting columns (provisional - has to be validated)					
New passive safety coding	Current Coding	Max. Bending Moment	Min. Length (m)	Max. Length (m)	Remarks
50 and 70 NE B S SE MD 0	70 NE 3	6.27 kNm		3.1	
50 and 70 NE C S SE MD 0	70 NE 2	9.47 kNm		5.3	
100 NE C R SE MD 0	100 NE 2	9.47 kNm		5.4	Equipped with an intermediate HDPE sleeve; Backfill Rigid type R

*Pending Kiwa approval