

Table 2. Ultimate acceleration factor of the proposed design configuration with and without horizontal ties (first column) and its ratio with respect to acceleration demand at the site (second column).

		α_0^*	α_0^*/α_{SLV}
Mech. 3	(only vertical tendons)	0.118	1.10
Mech. 4	(vertical tendons and horizontal ties)	0.133	1.25