

perpendicular to  $c_{a1}$ :

Rebar development length parameters from Table

horizontal rebar factor:

$\Psi_t := 1.0$  (= 1.0 for vertical bars of pedestals or drilled piers or similar)

epoxy rebar factor:

$\Psi_e := 1.0$  (= 1.0 for uncoated bars)

**BASE REACTIONS** (from STAAD or other structural analysis), and whether each combination includes seismic:

Number of input rows to consider, 0 min, 150 max:

$N_{row} := 41$

Sign Convention: Right hand rule, with + Y in upward direction and causing net

Reactions :=

	Node	L/C				
1	1	101 1X:	-2.16	4.83	0.00	0.00
2		102 1Z:	0.00	4.83	-2.38	-34.10
3		103 1XZ:	-1.53	4.83	-1.69	-24.15
4		104 2X:	-2.16	3.95	0.00	0.00
5		105 2Z:	0.00	3.95	-2.38	-34.10
6		106 2XZ:	-1.53	3.95	-1.69	-24.15
7		107 3X:	-0.55	9.15	0.00	0.00
8		108 3Z:	0.00	9.15	-0.60	-8.53
9		109 3XZ:	-0.39	9.15	-0.42	-6.04
10		110 4X:	-0.55	3.95	0.00	0.00
11		111 4Z:	0.00	3.95	-0.60	-8.53
12		112 4XZ:	-0.39	3.95	-0.42	-6.04
13		113 5:	0.00	4.83	0.00	0.00
14		114 6:	0.00	3.95	0.00	0.00
15		115 7X:	-2.74	5.55	0.00	0.00
16		116 7Z:	0.00	5.55	-2.74	-42.28
17		117 7XZ:	-2.74	5.55	-2.74	-42.28
18		118 8X:	-2.74	3.68	0.00	0.00
19		119 8Z:	0.00	3.68	-2.74	-42.28
20		120 8XZ:	-2.74	3.68	-2.74	-42.28
21		151 1:	0.00	6.15	0.00	0.00
22		152 2:	0.00	5.27	0.00	0.00
23		153 4_X:	-2.26	5.27	0.00	0.00
24		154 4_Z:	0.00	5.27	-2.49	-35.58
25		155 4_XZ:	-1.60	5.27	-1.77	-25.26
26		156 5_X:	-0.79	5.39	0.00	0.00
27		157 5_Z:	0.00	5.39	-0.79	-12.25
28		158 5_XZ:	-0.79	5.39	-0.79	-12.25
29		159 6_X:	-2.26	3.95	0.00	0.00
30		160 6_Z:	0.00	3.95	-2.49	-35.58
31		161 6_XZ:	-1.60	3.95	-1.77	-25.26
32		162 7_X:	-0.79	3.84	0.00	0.00
33		163 7_Z:	0.00	3.84	-0.79	-12.25
34		164 7_XZ:	-0.79	3.84	-0.79	-12.25
35		165 2ICE:	0.00	5.84	0.00	0.00
36		166 4ICE_X:	0.00	8.11	0.00	0.00
37		167 4ICE_Z:	0.00	8.11	-0.44	-6.29
38		168 4ICE_XZ:	-0.29	8.11	-0.31	-4.46
39		169 5ICE_X:	0.00	8.11	0.00	0.00
40		170 5ICE_Z:	0.00	8.11	-0.44	-6.29
41		171 5ICE_XZ:	0.00	8.11	-0.31	-4.46

Multiplier to multiply all results by:  $\text{Multiplier} := 1.15$

(per Section 1.8.8.1 of TM 2.72.00)

range variable of number of inputs:

$i := 1..N_{row}$

$LC\_ID_i := (\text{Reactions}^{(1)})_i$

$desc_i := (\text{Reactions}^{(2)})_i$

0.00

-6.29