

	MAP-1, 42'	MAP-1, 42'	MAP-2, 34'/31'	MAP-2, 34'/31'
Structure ID	B-102	B-102	B-103	B-103
Vertical Direction - Pedestal Reinforcing:				
Load Factor	1.3	1.3	1.3	1.3
Strength Reduction Factor	0.7	0.7	0.7	0.7
Mu (k-in)	592	862	888	966
Concrete Strength (psi)	3500	3500	3500	3500
Reinforcing Steel Yield (psi)	60000	60000	60000	60000
Concrete Cover (in)	2	2	2	2
Shear Reinf. Dia. (in)	0.5	0.5	0.5	0.5
Tension Reinf. Dia. (in)	0.75	0.75	0.75	0.75
No. of Bars	12	12	12	12
Tie Bars	#4 @6"	#4 @6"	#4 @6"	#4 @6"
e (in)	278.35	263.95	339.90	220.45
As (in ²)	5.30	5.30	5.30	5.30
Ag (in ²)	1017.88	1017.88	1017.88	1017.88
m	20.17	20.17	20.17	20.17
D (in)	36.00	36.00	36.00	36.00
Ds (in)	30.25	30.25	30.25	30.25
p - reinforcement ratio	0.0052	0.0052	0.0052	0.0052
phi*Pn (lbs)	7692	8139	6231	9871
Pu (lbs)	2764	4247	3396	5694
	OK	OK	OK	OK