

ROUND POST CONCRETE ANCHORAGE SYSTEM

DESIGN AND CONSTRUCTION DATA SCHEDULE

1. THE DESIGN LOAD IS A STATIC LOAD LOCATED AT 27 INCHES ABOVE GRADE THAT SHOULD CAUSE FAILURE OF THE BOLLARD.
2. THE EARTH PRESSURE VALUE IS SHOWN AT DESIGN LOAD AND THE OWNER SHOULD VERIFY THAT THE EARTH IS ADEQUATE.
3. OTHER ANCHORAGE SYSTEMS MAY CAUSE PREMATURE FAILURE OF THE BOLLARD BY ROTATION OF ANCHORAGE.
4. FOR RPT & RPL FOUNDATION DETAILS USE CORRESPONDING PIPE OD SIZE. IE: RP3506 = RPT6601 OR RPL6.
EARTH PRESSURE MAXIMUM $Q = 3888 \text{ P} / \text{DB}(A+B)$

BOLLARD MODEL	DESIGN LOAD P	BOLLARD Fb PSI	EARTH Q MAX	PIER HT. C	VERTICAL REBAR		NO. HOOP REBAR	PVC DRN LENGTH	PIER CONCRETE	FRENCH DRAIN	PIER DIAMETER	DIMENSION	
					LENGTH	QTY						A	B
RP3501	3000 #	47093 PSI	2204 PSF	42 INCH	40 INCH	4	6 EACH	18 INCH	6 Cu Ft	0.5 Cu Ft	18 INCH	7 INCH	14 INCH
RP3503	3000 #	47093 PSI	2204 PSF	42 INCH	40 INCH	4	6 EACH	18 INCH	6 Cu Ft	0.5 Cu Ft	18 INCH	7 INCH	14 INCH
RP3504	6000 #	50467 PSI	4408 PSI	42 INCH	40 INCH	4	6 EACH	18 INCH	6 Cu Ft	0.5 Cu Ft	18 INCH	7 INCH	14 INCH
RP3504	6000 #	50467 PSI	2667 PSI	54 INCH	52 INCH	4	7 EACH	30 INCH	8 Cu Ft	0.5 Cu Ft	18 INCH	9 INCH	18 INCH
RP3505	10000 #	49541 PSI	4444 PSI	54 INCH	52 INCH	4	7 EACH	30 INCH	8 Cu Ft	0.5 Cu Ft	18 INCH	9 INCH	18 INCH
RP3505	10000 #	49541 PSI	3600 PSI	60 INCH	58 INCH	4	8 EACH	36 INCH	9 Cu Ft	0.5 Cu Ft	18 INCH	10 INCH	20 INCH
RP3505	10000 #	49541 PSI	2975 PSI	66 INCH	64 INCH	4	8 EACH	42 INCH	10 Cu Ft	0.5 Cu Ft	18 INCH	11 INCH	22 INCH
RP3506	15000 #	47647 PSI	3750 PSI	72 INCH	70 INCH	4	9 EACH	48 INCH	11 Cu Ft	0.5 Cu Ft	18 INCH	12 INCH	24 INCH
RP3506	15000 #	47647 PSI	3195 PSI	78 INCH	76 INCH	4	10 EACH	54 INCH	12 Cu Ft	0.5 Cu Ft	18 INCH	13 INCH	26 INCH
RP3506	15000 #	47647 PSI	3240 PSI	60 INCH	58 INCH	8	8 EACH	36 INCH	25 Cu Ft	1.6 Cu Ft	30 INCH	10 INCH	20 INCH
RP3506	15000 #	47647 PSI	3333 PSI	54 INCH	52 INCH	8	7 EACH	30 INCH	32 Cu Ft	1.8 Cu Ft	36 INCH	9 INCH	18 INCH
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<h2 style="margin: 0;">TrafficGuard [®] Direct</h2> <p style="margin: 0; font-size: small;">www.trafficguard.net P.O. Box 201, Geneva, IL. 60134 Bus: 877-727-7347 Fax: 800-814-7194</p>		<p style="margin: 0; font-size: small;">NAME: RP ANCHORAGE</p> <p style="margin: 0; font-size: x-small;">1. DO NOT SCALE FROM DRAWING 2. UNITS ARE IN INCHES UN. 3. DIMENSIONING BASED ON ASME Y14.5M-1994</p>		<p style="margin: 0; font-size: small;">USED ON</p> <p style="margin: 0; font-size: x-small;">0.XX = ± 0.1 0.XXX = ± 0.06 ANGULAR = ± 1° FRACTION = 1/16</p>	<p style="margin: 0; font-size: small;">ACTION DESIGN</p> <p style="margin: 0; font-size: x-small;">DRAWING: CJD CHECKED: WKZ</p>	<p style="margin: 0; font-size: small;">BY WKZ</p> <p style="margin: 0; font-size: x-small;">SCALE: NTS DATE: 10-23-06 COPYRIGHT: 2006</p>	<p style="margin: 0; font-size: small;">DRAWING NUMBER: RP-3500-B01</p> <p style="margin: 0; font-size: x-small;">SIZE: 11x17 SHEET: 2 of 2</p>
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