

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: x-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: x-small;">USED DN</p> <p style="margin: 0; font-size: x-small;">0.XX = ± 0.1 0.YYY = ± 0.06 ANGULAR = ± 1° FRACTION = 1/16</p> | <p style="margin: 0; font-size: x-small;">ACTION DESIGN</p> <p style="margin: 0; font-size: x-small;">DRAWING: CJD CHECKED: WKZ</p> | <p style="margin: 0; font-size: x-small;">BY WKZ</p> <p style="margin: 0; font-size: x-small;">DRAWING NUMBER: RP-3500-B01</p> <p style="margin: 0; font-size: x-small;">SCALE: NTS DATE: 10-23-06 COPYRIGHT: 2006</p> | <p style="margin: 0; font-size: x-small;">PIER DIAMETER</p> <p style="margin: 0; font-size: x-small;">SHEET: 2 of 2</p> |
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