

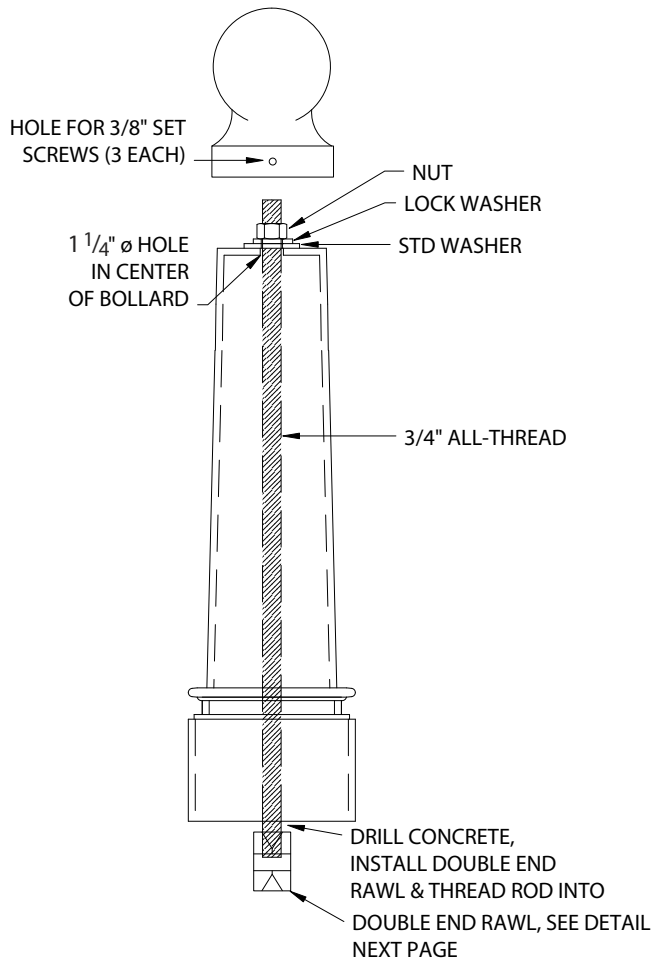
# GENERAL CAST BOLLARD INSTALLATION

## (FOR CB-A, CB-B, CBC, CB-D)

### BOLLARD INSTALLATION PARTS

Assembly parts needed for 1 each bollard:

1. 1 EA 3/4" ALL-THREAD ROD, APPROX. 40" (84-4200.2)
2. 1 EA 3/4" FLAT WASHER (84-4200.6)
3. 1 EA LOCK WASHER FOR 3/4" ALL-THREAD (84-4200.3)
4. 1 EA NUT FOR 3/4" ALL-THREAD (84-4200.4)
5. 3 EA 3/8" SET SCREWS FOR BOLLARD TOP (84-4200.5)
6. 1 EA 3/4" DOUBLE END RAWL (84-4200.7)



NOTES:

**OLYMPIC FOUNDRY INC.**

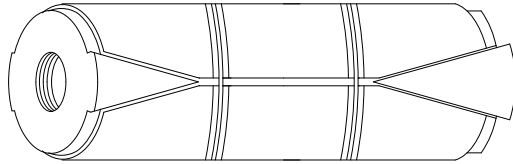
CAST BOLLARD INSTALLATION PROCEDURE

APPROXIMATE WEIGHT:

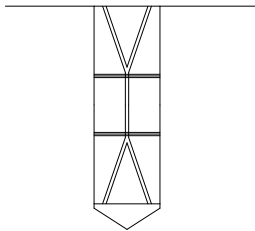
RATING:

SHEET: 1 OF 2

The Rawl Double machine bolt anchor is designed for use in masonry materials of questionable strength. Setting the anchor causes opposing wedges at either end to be drawn tightly into the anchor providing full-length expansion against the walls of the hole. The top wedge-shaped cone acts as a bearing sleeve for the bolt when subjected to shear loads. Use In: Concrete, Brick, Stone. Use With: Machine Screw or Bolt



- \* Layout or hole spotting required
- \* Heavy duty
- \* Non-caulking, expands as bolt is tightened
- \* Dual expansion develops greater contact with walls of hole
- \* Screw engagement minimum of 2/3 of anchor threads



#9535 Drill 1-1/4" Ø hole min. 3-1/2" deep. Insert threaded cone first. Position fixture. Insert screw or bolt and tighten. For maximum expansion, the anchor should protrude slightly above surface of masonry before setting.

Load Capacities for #9535 3/4" Double Rawl, 3300 psi concrete:  
 Tension Load (lbs.) - 15,000, Shear Load (lbs.) - 19,750  
 Note: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.

NOTES: GSA SPECIFICATION FF-S-325, GROUP II, TYPE 2, CLASS 2, STYLE 2		<b>OLYMPIC FOUNDRY INC.</b>		
		3/4" DOUBLE END RAWL		
MATL: ZAMAC 7 ALLOY		RATING: N/A	PART NO. 9535	
APPROX WT: .5 LBS.		REV: A DATE: 5/21/03 CREATED DRAWING		REV A
DOCUMENT APPROVED	DWN: CL DATE: 05/21/03	TOLERANCE XX ±.1 XXX ±.06 XXXX ±.030 < ± 2 DEG	REV: X DATE: XX/XX/XX DSC:	
BY: DATE:	CHKD: CL DATE: 05/21/03		DWG #: RAWL DOUBLE	SCALE: N/A