



DETAIL No.1

US PATENT 7,140,500  
 CANADIAN PATENTS  
 2,486,904 & 2,640,899.  
 OTHER PATENTS MAY  
 APPLY OR BE PENDING.



## BILL OF MATERIAL

ITEM NUMBER	CATALOG NUMBER	DESCRIPTION	QUANTITY REQUIRED
①	FNMA-16	1/2"-13 CAST-IN-PLACE INSERT Material: POLYIMIDE (Non-metallic)	5
②	FFW316-18-40	FLAT WASHER ID=.562, OD=1.250, THK=.078 Material: 316 STAINLESS STEEL	5
③	FHC316-16-088	1/2"-13 X 2-3/4" LG. With 2" Minimum Full Thread HEX HEAD CAP SCREW Material: 316 STAINLESS STEEL NOTE: THIS SCREW HAS A SPECIAL THREAD LENGTH	5
④	CR36-B	CR36-B STANCHION Material: 50% Glass Reinforced Nylon	1
⑤	RA20-LP	RA20-LP ARM (20" LONG) Material: 50% Glass Reinforced Nylon	3
⑥	HDL	HDL LOCK (OPTIONAL) Material: Polycarbonate	1 PER ARM

### GENERAL INSTALLATION GUIDELINES:

1. THE INSERT ARRANGEMENT SHOWN ON THIS INSTALLATION DRAWING ALLOWS FOR COMPLETE VARIABILITY OF ARM SIZE & LOCATION OF ARM ON STANCHION.
2. SECURE INSERTS TO CONCRETE FORM AT LOCATIONS SHOWN IN THE DRAWING AT LEFT.
3. IT IS RECOMMENDED THAT CONCRETE BE VIBRATED SO AS TO INSURE THAT THE CONCRETE COMPLETELY ENCASES THE INSERTS.
4. AFTER CONCRETE HAS CURED, REMOVE FORM.
5. INSTALL THE FLAT WASHERS IN THE STANCHION AND TIGHTEN THE CAP SCREWS JUST ENOUGH TO ATTAIN A SNUG FIT. AVOID HIGH SCREW TORQUE WHICH INDUCES COMPRESSIVE STRESS.
6. AFTER INSERTING EACH ARM IN THE STANCHION, TAP THE ARM DOWN WITH A LIGHT MALLET BLOW. THE LIGHT MALLET BLOW WILL FULLY SEAT AND LOCK THE ARM IN PLACE.
7. **IT IS IMPERATIVE TO INSTALL A FASTENER SET IN EVERY ELONGATED STANCHION HOLE.** THE SCREWS MUST BE 2-3/4" LONG WITH A SPECIAL 2" MINIMUM FULL THREAD. THIS PROCEDURE MUST BE FOLLOWED TO ATTAIN THE RATED CARRYING CAPACITY FOR THE HEAVY DUTY CABLE RACK.
8. INSTALL OPTIONAL HDL LOCK BY PLACING THE LOCK ON THE ARM WITH THE LOCKING BARBS UP. PUSH THE LOCK INTO THE RECTANGULAR HOLE IN THE STANCHION. WHEN THE STOP FLANGES ON THE LOCK HIT THE STANCHION, THE LOCK WILL CLICK INTO PLACE. SEE DETAIL No.1 AT LEFT.

### NOTES

1. SEE UDI "TECHNICAL DATA" CATALOG SHEET (FORM 111391AE) FOR LOAD CARRYING CAPACITY.
2. SEE UDI "GUIDE SPECIFICATION" (FORM 123191AK) FOR GENERAL SPECIFICATIONS ON THE HEAVY DUTY NON-METALLIC CABLE RACK.

**HEAVY DUTY NON-METALLIC CABLE RACK**  
 Installation Details For 1 Ea. CR36-B Stanchion With 3 Ea. RA20-LP Arms On A Concrete Wall Using Non-Metallic Cast-In Inserts

SCALE: See At Left	DESIGNED BY: Don McCoy	DRAWN BY: B.Muehlenbeck	CHECKED BY: Don McCoy
DATE: 7-23-07	APPROVED BY:		REVISION: C 10-3-18

1st Designed For TYPICAL INSTALLATION OF CABLE RACKS

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 DRAWING NUMBER: 90-4492  
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