

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE: PAGE OF PAGES: 1 | 1  
 2. AMENDMENT/MODIFICATION NO.: A00001  
 3. EFFECTIVE DATE: 04/14/2014  
 4. REQUISITION/PURCHASE REQ. NO.: 56-9701-14  
 5. PROJECT NO. (If applicable):  
 6. ISSUED BY CODE: N00173  
 7. ADMINISTERED BY (If other than Item 6) CODE: N00173

Supply Officer (Code 3410)  
 Naval Research Laboratory  
 Phone: 202-767-2022  
 E-mail: Georgianna.Romero@nrl.navy.mil

Purchasing Officer (Code 3410)  
 Naval Research Laboratory  
 4555 Overlook Avenue, S.W.  
 Washington, DC 20375-5329

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  
 All Quoters

9A. AMENDMENT OF SOLICITATION NO. (X)  
 N0173-14-Q-0152  
 9B. DATED (SEE ITEM 11)  
 04/18/2014  
 10A. MODIFICATION OF CONTRACT/ORDER NO.  
 10B. DATED (SEE ITEM 13)

CODE FACILITY CODE

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.  
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.  
  
 B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).  
  
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  
  
 D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
 This amendment is issued to re-open and extend the closing date.  
 The above referenced Request for Quotation (RFQ) is re-opened and the closing date is extended to 04/18/2014.  
 The Attachments 1 thru 8 are now added to this requirement for the Drawings & Specifications.  
 All other terms and conditions will remain the same.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)  
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  
 Georgianna Romero/Purchasing Agent

15B. CONTRACTOR/OFFEROR  
 15C. DATE SIGNED  
 16B. UNITED STATES OF AMERICA  
 16C. DATE SIGNED  
 04/14/2014

(Signature of person authorized to sign) (Signature of Contracting Officer)

## Requirements and Specifications for Solicitation Number N00173-14-Q-0152

### Requirements

Items 1-3 are customized (modified length and mounting flange) variations of Measurement Quality Jumpers (MQJ) defined in Section 9.3.2 of the Virginia Class Fiber Optic, Fiber Optic/Electrical Hybrid Hull penetrator NAVSEA DWG PPD 802-6337554.

Items 1-3 are variations on standard MQJs, and as such, do not appear on the PPD. Any drawings for these specific items were made by the previous vendor, and are not government property.

Items 1-3 are to be used with multiple existing Light Weight Wide Aperture Array (LWWAA) components, some of which are classified **SUBSAFE**. To ensure the proper and safe operation of these cables with existing cables and components, the manufacturer of these cables must be qualified to manufacture **SUBSAFE** connectors and assemblies used in LWWAA outboard cable assemblies and hull penetrators.

As a result of the above requirement the vendor must be recognized by NSWCCD as a suitable source for LWWAA MQJs.

COMPLETED ASSEMBLIES SHALL BE INSPECTED AND TESTED IAW PPD 802-6337554B SECTION 4 TABLE 4.1 QUALITY ASSURANCE, AND MUST COMPLY WITH QUALIFICATION CRITERIA IAW PPD 802-6337554B-9.3.2

## Specifications

Item 1, Part No. 1535133-102 MQJ 15 F/O (PLUG) R/A Test Harness 10FT

The unit shall be assembled using M85045/16-02 single mode OFCC with nominal length of 10 feet in protective conduit, terminated on one end by Right Angle Plug Assembly, designed and constructed IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.8.2; to include protective cap IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.9.4-2; second end of conduit to have right angle flange mount, with cable to be 15x 3mm jacketed single mode fibers terminated IAW PPD 802-6337554-9.1 using FSI MSTC2100 or equivalent ST connectors.

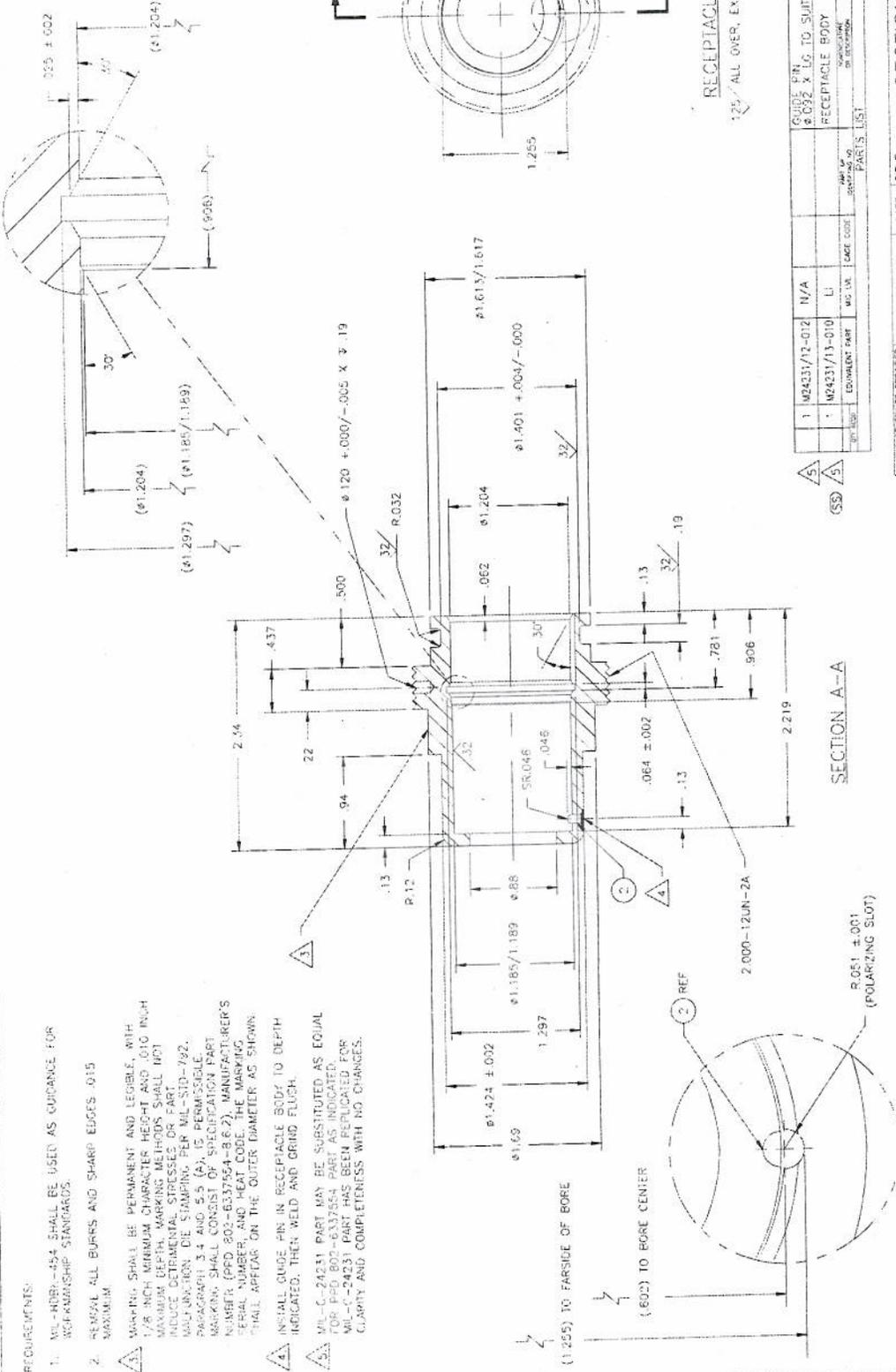
Item 2, Part No. 1535134-103 C/A MQJ RCPT 15 SMF (NG SKJP0102-1)

The unit shall be assembled using M85045/16-02 single mode OFCC with nominal length of 1.5 feet in protective conduit, terminated on each end by RECEPTACLE ASSEMBLY, consisting of Receptacle Insert Assembly, designed and constructed IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.7.2-1; inserted into Receptacle Body, designed and constructed IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.6.2; to include protective caps IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.9.2

Item 3, Part No. 1535134-106 C/A MQJ 15 F/O Bolted Flange RCPT TEST CONN 2FT

The unit shall be assembled using M85045/16-02 single mode OFCC with nominal length of 2 feet, terminated on one end by RECEPTACLE ASSEMBLY, consisting of Receptacle Insert Assembly, designed and constructed IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.7.2-1; inserted into flanged Receptacle Body, designed as a variation of, and constructed IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.6.2; to include protective cap IAW PPD 802-6337554 REV B, P / N: PPD 802-6337554-8.9.2; second end of cable to be 15x 3mm jacketed single mode fibers terminated IAW PPD 802-6337554-9.1 using FSI MSTC2100 or equivalent ST connectors.

Attachment 3  
N00173-14-Q-0152

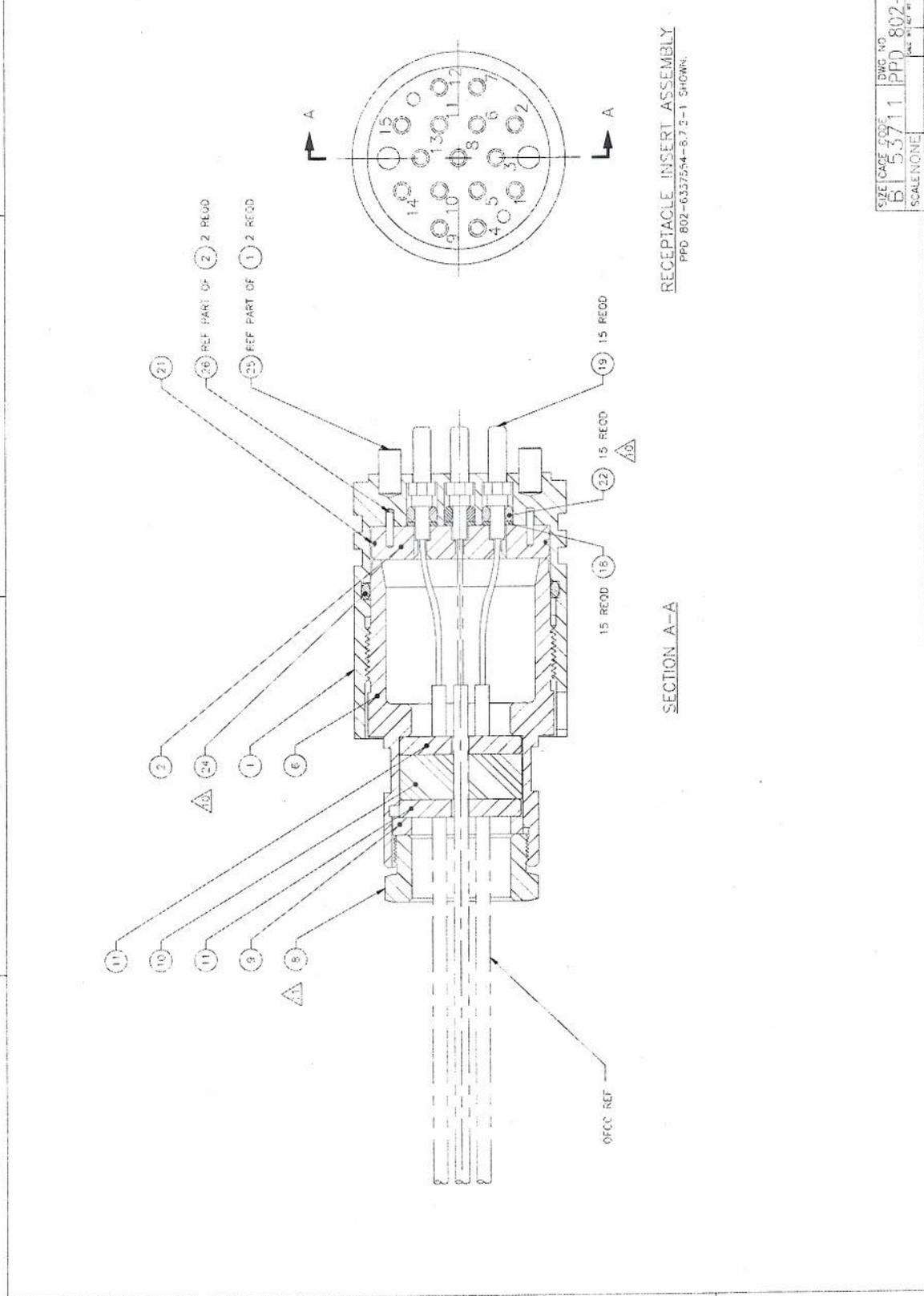


- REQUIREMENTS:
1. MIL-RFR-424 SHALL BE USED AS GUIDANCE FOR WORKMANSHIP STANDARDS.
  2. REMOVE ALL BURRS AND SHARP EDGES .015 MAXIMUM
  3. MARKING SHALL BE PERMANENT AND LEGIBLE, WITH 1/8 INCH MINIMUM CHARACTER HEIGHT AND 0.00 INCH MAXIMUM DEPTH. MARKING SHALL BE SMALL IF NECESSARY TO PREVENT STRESSING OF PART.
  4. REDUCE DEFORMATION DUE TO STAMPING. PER MIL-SIT-792.
  5. MARKING SHALL BE PERMANENT AND LEGIBLE. MARKING SHALL CONSIST OF SPECIFICATION PART NUMBER, PPD, 802-6337554-8.6.2, MANUFACTURER'S SERIAL NUMBER, AND HEAT CODE. THE MARKING SHALL APPEAR ON THE OUTER DIAMETER AS SHOWN.
  6. INITIAL GUIDE PIN IN RECEPTACLE BODY TO DEPTH INDICATED. THEN WELD AND GRIND FLUSH.
  7. MIL-C-24231 PART MAY BE SUBSTITUTED AS EQUAL FOR PPD 802-6337554 PART AS INDICATED.
  8. MIL-C-24231 PART HAS BEEN REPLICATED FOR CLARITY AND COMPLETENESS WITH NO CHANGES.

REV	DESCRIPTION	DATE	BY	CHKD	APP'D
1	MANUFACTURING PRODUCTION	09/29/01	PPD	PPD	PPD
2	RECEPTACLE BODY	09/29/01	PPD	PPD	PPD
3	RECEPTACLE BODY	09/29/01	PPD	PPD	PPD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVALS	DATE	TITLE
DESIGNED BY: ALY A. DOGSON	APPROVED: [Signature]	000202	SECTION 8.6.2
CHECKED BY: [Signature]	DATE: 000218		RECEPTACLE BODY
DRAWN BY: M. HANDY	DATE: 000218		RECEPTACLE BODY
SCALE: FULL	DATE: 000225		RECEPTACLE BODY
PPD 802-6337554-8.6.2			RECEPTACLE BODY

Attachment 4  
 N00173-14-Q-0152



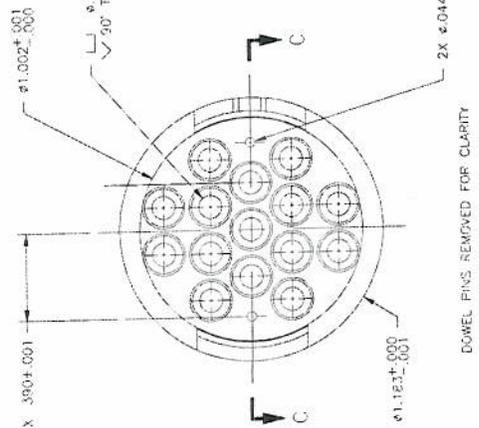
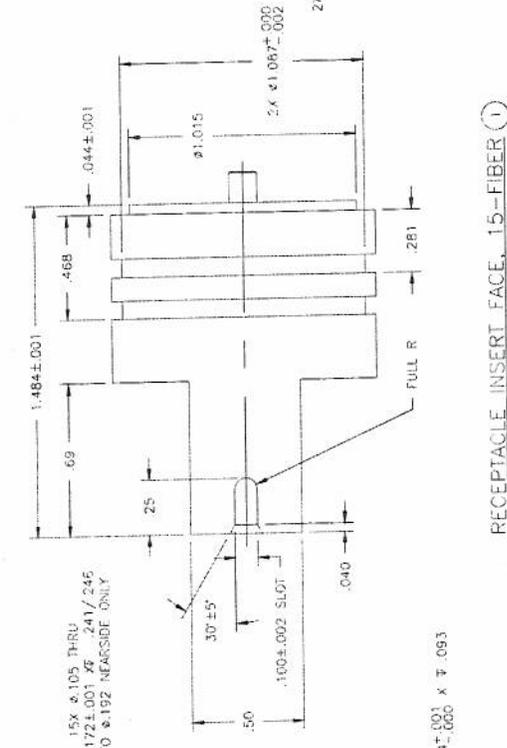
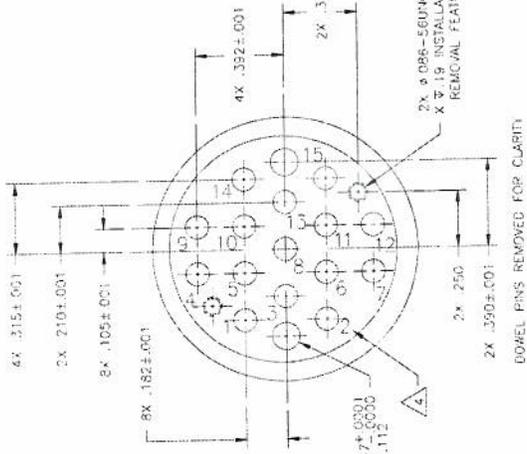
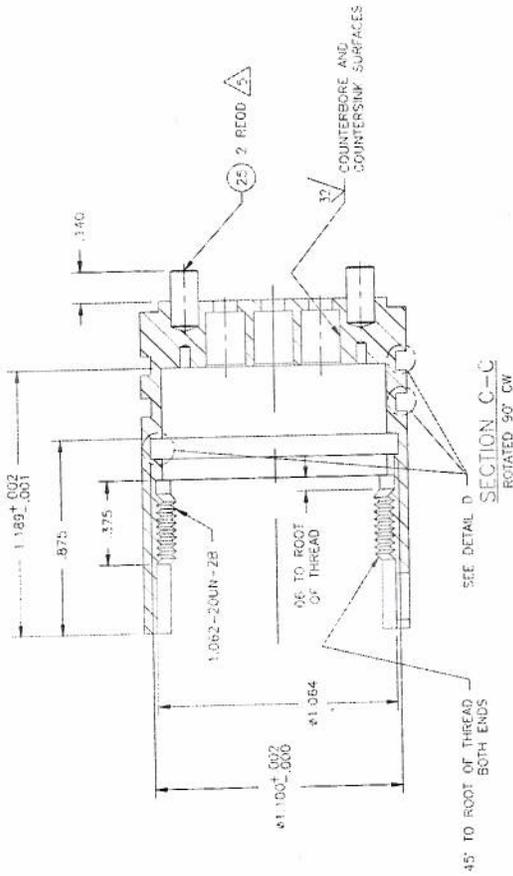
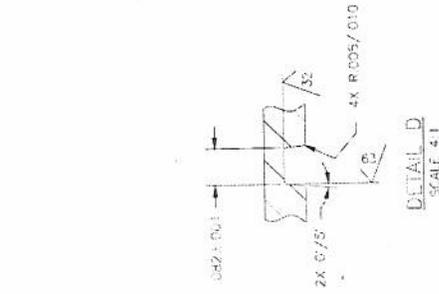
RECEPTACLE INSERT ASSEMBLY  
 PPD 802-6337554-8.7.2-1 SHOWN

SECTION A-A

SIZE	CAGE CODE	DWG NO	REV
B	53711	PPD 802-6337554	B
SCALE: NONE		SHEET: 6.7.252	

FILE NAME: PPD\_802-6337554\_8.7.2502B.DWG

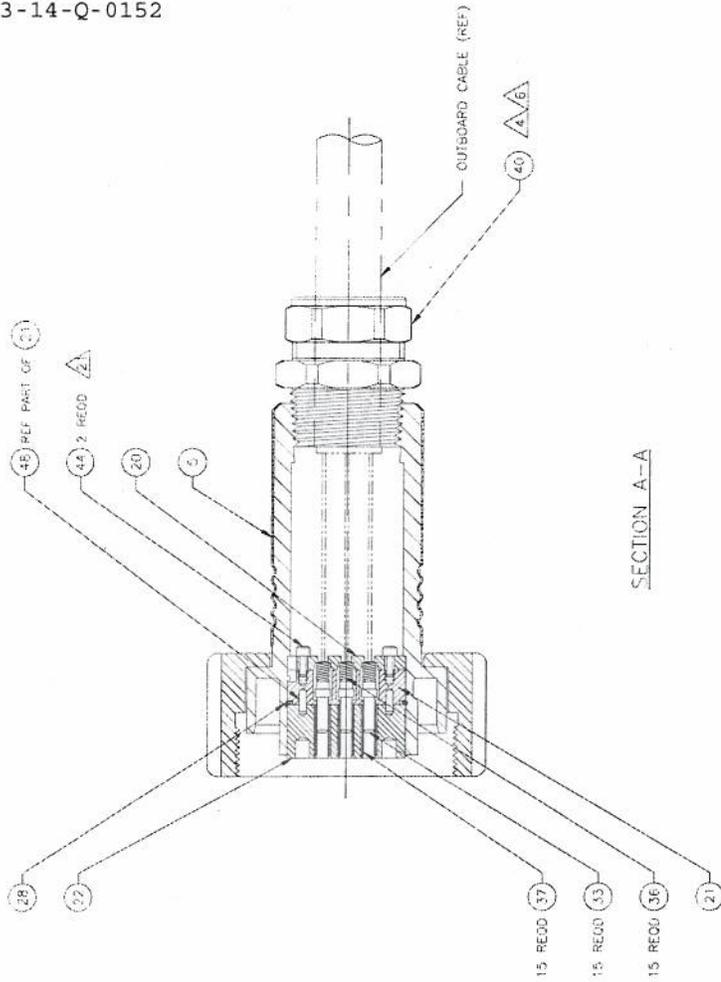
Attachment 5  
N00173-14-Q-0152



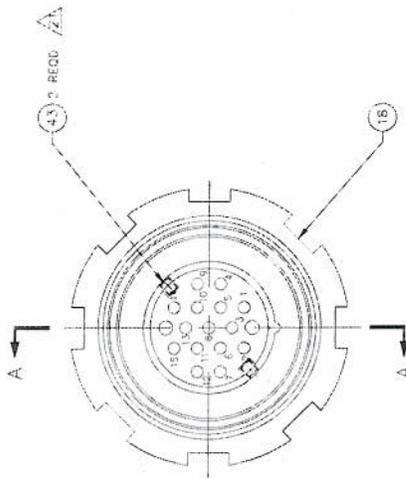
SIZE	DATE	REV
B	5.31.11	B
PPD 802-6337554		
SCALE	2:1	SHEET 6.7.254

FILE NAME: PPD\_802-6337554\_8\_7\_25048.DWG

Attachment 6  
 N00173-14-Q-0152



SECTION A-A

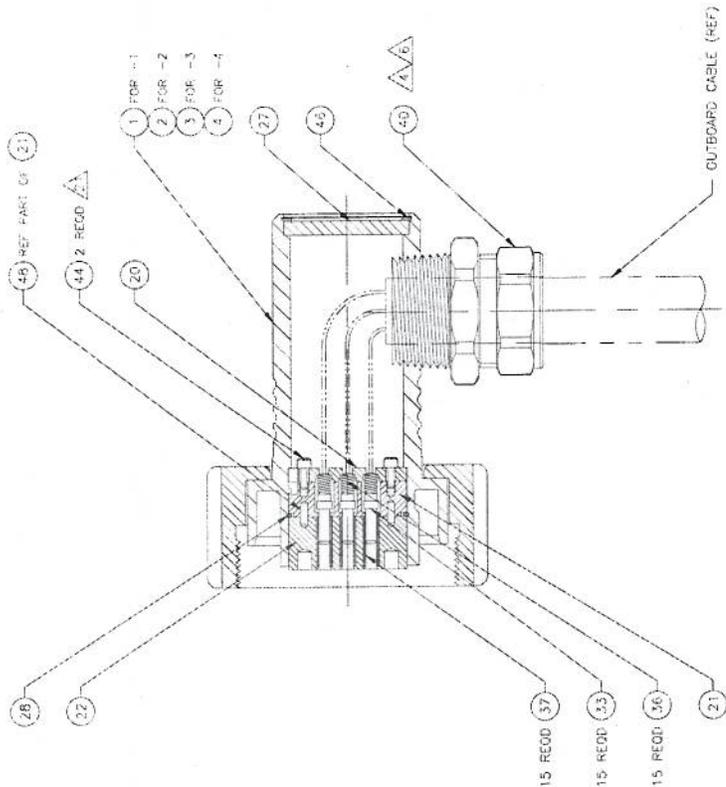


STRAIGHT PLUG ASSEMBLY  
 PPD 802-6337554-6.6.2-5 SHOWN

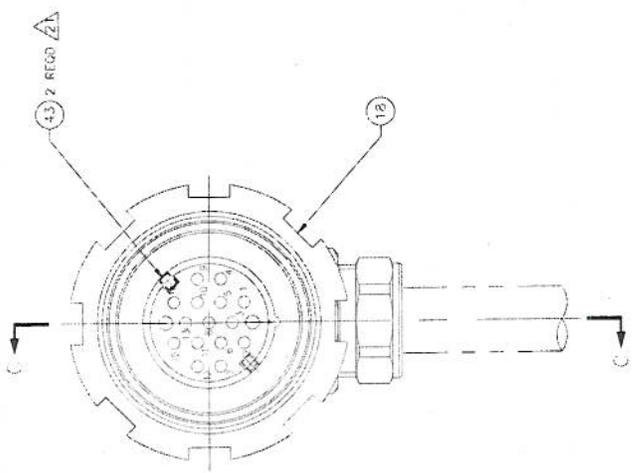
SIZE	CAGE CODE	DWG. NO.	REV.
B	5371	PPD 802-6337554	B
SCALE NONE		SHEET 8.8.2S3	

FILE NAME: PPD\_802-6337554\_B\_8\_2S03B.DWG

Attachment 7  
 N00173-14-Q-0152



SECTION C-C



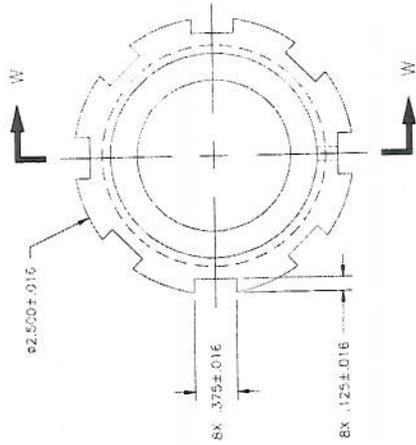
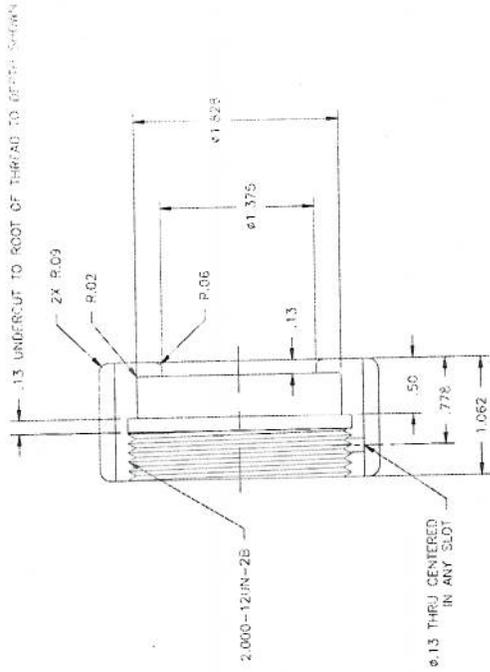
RIGHT ANGLE PLUG ASSEMBLY

PPD 802-6337554-8.8.2-1, -2, AND -4 SAME EXCEPT AS NOTED.  
 PPD 802-6337554-8.8.2-3 SHOWN

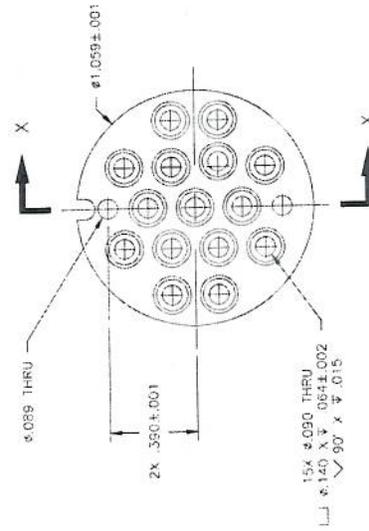
SIZE	CAGE CODE	DWG. NO.	REV.
B	53711	PPD 802-6337554	B
SCALE: NONE			SHEET 8.8.2.55

FILE NAME: PPD\_802-6337554\_8.8.2.55.DWG

Attachment 8  
N00173-14-Q-0152

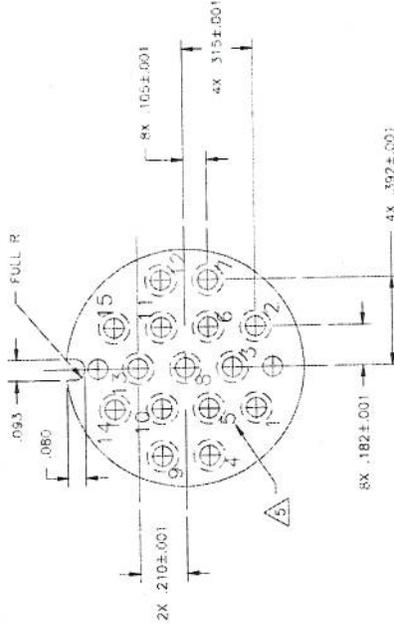


COUPLING (18) (19)



SECTION X-X

FERRULE RETAINER, 15-FIBER (20)  
SCALE 2:1



SECTION W-W

SIZE	CAGE CODE	DWG. NO.	REV.
B	5371	PPD 802-6337554	B
SCALE	FULL	DATE	SHEET 8.2513

FILE NAME: PPD\_802-6337554\_B\_8\_2513B.DWG