

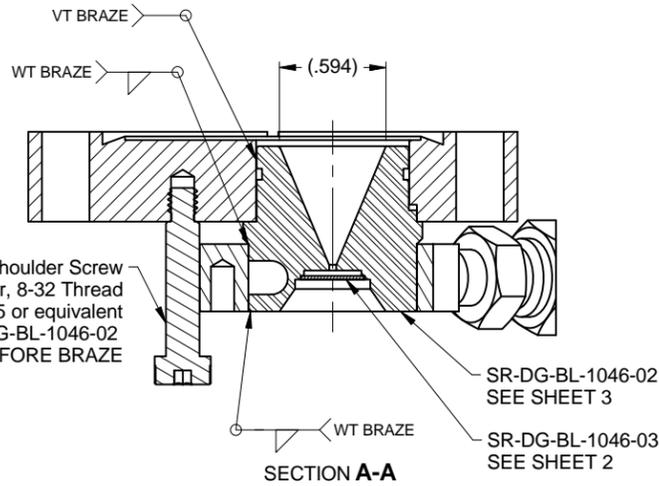
A

B

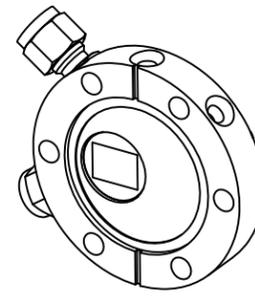
C

D

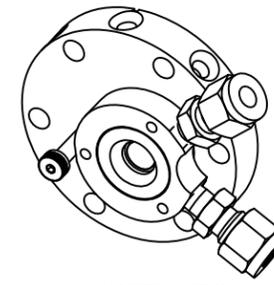
REVISION HISTORY					
REV	DESCRIPTION	DATE	DESIGNER	CHECKED BY	ENGINEER
A	RELEASE PER ECO 000959	10/2012	P. SCHNEIDER	C. AMARITO	A. HUSSAIN



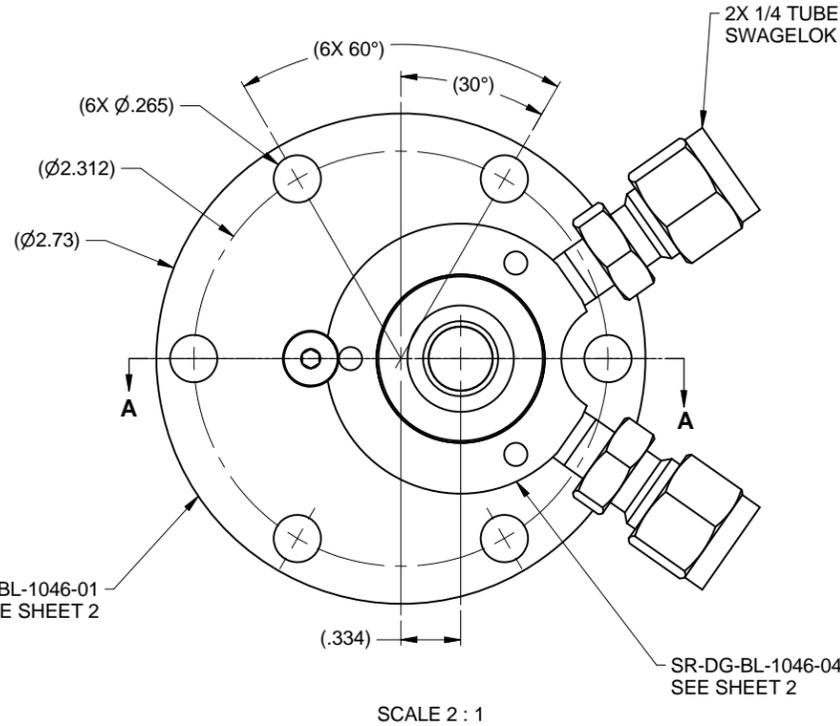
3/16" Shoulder Dia, 3/4" L Shoulder, 8-32 Thread
 McMaster Carr Part Number: 90298A495 or equivalent
 USE TO LOCATE SR-DG-BL-1046-02
 REMOVE BEFORE BRAZE



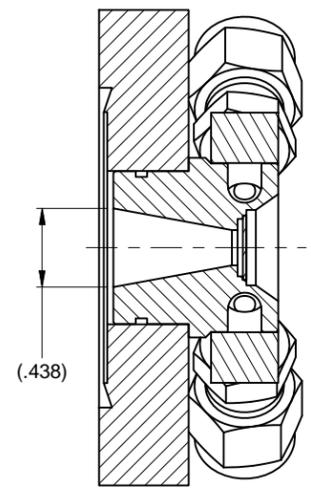
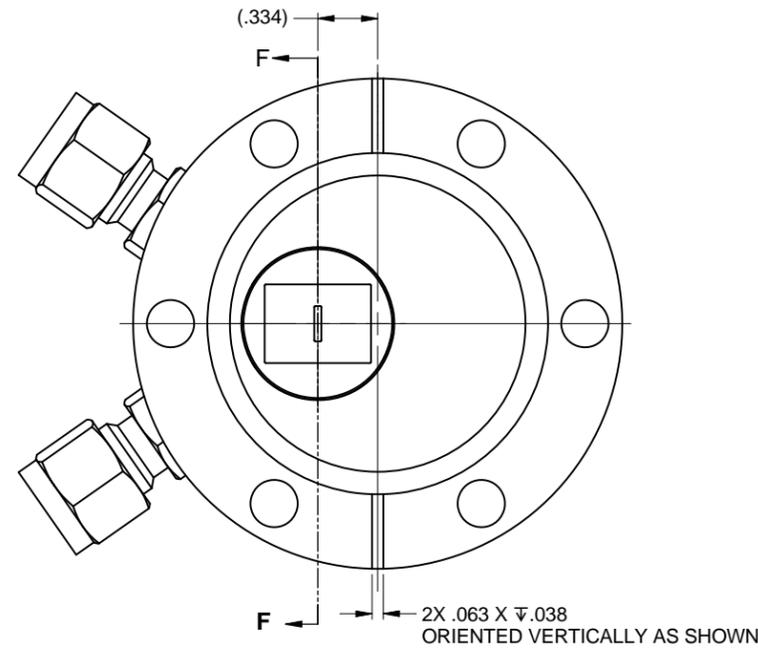
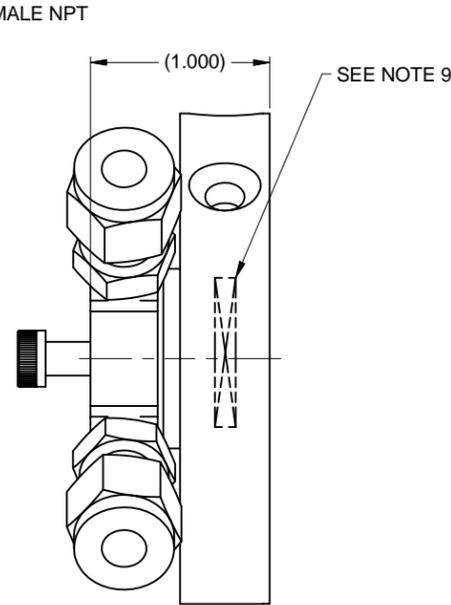
ISOMETRIC VIEW
SCALE 1:1



ISOMETRIC VIEW
SCALE 1:1



SCALE 2:1



SECTION F-F

NOTES:

- UNLESS SPECIFIED OTHERWISE ALL JOINTS TO BE HYDROGEN FURNACED BRAZED VACUUM TIGHT (VT).
- VACUUM LEAK TEST: LEAK TEST WITH HELIUM MASS SPECTROMETER LEAK DETECTOR. TOTAL LEAK RATE NOT TO EXCEED 2×10^{-10} STD CC/SEC HELIUM.
- ALL BRAZE JOINTS MUST BE 100% VISUALLY INSPECTED.
- ALL WT (WATER TIGHT) BRAZING MUST PASS A 60 PSI HELIUM PRESSURE TEST OR 200 PSI WATER PRESSURE TEST.
- MAINTAIN BRAZING PROCEDURES AND INSPECTION RECORDS.
- FINISHED PART MUST BE FREE OF PARTICLES AND CHEMICAL FILM INSIDE CHAMBER AND ON FLANGE FACES.
- PROTECT ALL FLANGE FACES FROM NICKS, SCRATCHES, DIRT AND CONTAMINANTS.
- FABRICATE IN ACCORDANCE WITH BNL SPEC. LT-ENG-RSI-SR-VA-002.
- ITEM IDENTIFICATION: SCRIBE, ENGRAVE, OR ELECTRO ETCH PART NUMBER & APPLICABLE REVISION LETTER IN APPROX LOCATION SHOWN USING .19 HIGH CHARACTERS.

SUGGESTED SOURCE OF SUPPLY		
BNL PART NO.	VENDOR PART NO.	NAME & ADDRESS
SR-DG-BL-1046	CVD-500-1546	Applied Diamond, Inc. 3825 Lancaster Pike, Wilmington, Delaware 19805 Phone: (302) 999-1132 -- FAX: (302) 999-8320 Email: services@usapplieddiamond.com

IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEMS.

VENDOR ITEM CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES DIMENSIONS IN BRACKETS [] ARE FOR REFERENCE ONLY INTERPRET DRAWING AS PER ASME Y14.5-1994 OR Y14.5-1975					
DIMENSIONAL TOLERANCES	ANGULAR TOLERANCE	FINISH	DRAWN BY	CHECKED BY	DATE
X ± 0.060	± .5°	125/	P. SCHNEIDER	C. AMARITO	4/3/2012
.X ± 0.030				O. SINGH	10/2012
.XX ± 0.015				A. HUSSAIN	10/2012
.XXX ± 0.005				S. SHARMA	10/2012
BREAK EDGES & SHARP CORNERS 0.005 MIN. TO 0.020 MAX				N. GMUR	10/2012
				E. CHESWICK	10/2012
NEXT ASSY: SR-DG-BL-3000	PROJECT: NSLS-II	SCALE: SEE DWG VIEW	WBS# 1.03.04.05.04	STORAGE RING DIAGNOSTICS, BEAMLINE WINDOW, X-RAY EXIT, 3PW SR-DG-BL-1046 DRAWING PART NUMBER	
THIRD ANGLE PROJECTION			ESH&Q RISK LEVEL A-2		REVISION A
			SHEET 1 OF 3		

Rubino, Kristen

From: Kosciuk, Bernard
Sent: Wednesday, June 07, 2017 1:29 PM
To: Rubino, Kristen
Cc: Ackerman, Andrew
Subject: FW: Message from Andrew Ackerman (5431)

Follow Up Flag: Follow up
Flag Status: Flagged

FYI, this is the email from Mike Gaffney indicating that Safety Engineering has no pressure safety issues with the installed exit window in C22.

Bernard Kosciuk
Mechanical Engineer
Brookhaven National Laboratory
Photon Sciences-NSLS-II
ph: (631)344-2017
email: bkosciuk@bnl.gov

From: Gaffney, Michael
Sent: Thursday, April 06, 2017 10:30 AM
To: Ackerman, Andrew
Cc: Stiegler, Lori; Cubillo, Mario; Kosciuk, Bernard; Lee, Robert J
Subject: RE: Message from Andrew Ackerman (5431)

Andrew:
I believe Mario did the initial walk-through of 22BM and discussed the use of the diamond window (3PW).
I looked at the line with Lori on March 28.

After reviewing the material that Bernie Kosciuk sent me, Safety Engineering does not have any pressure safety issues with the use of the installed window.
It is recommended that if prior to installing a replacement window, that prior to any Helium leak test and thermal cycling test, a different pressure test (both sides) is performed on the window.

w/r
Mike Gaffney
BNL Safety Engineering Group
gaffney@bnl.gov

From: Ackerman, Andrew
Sent: Thursday, April 06, 2017 9:57 AM
To: Gaffney, Michael
Subject: Message from Andrew Ackerman (5431)