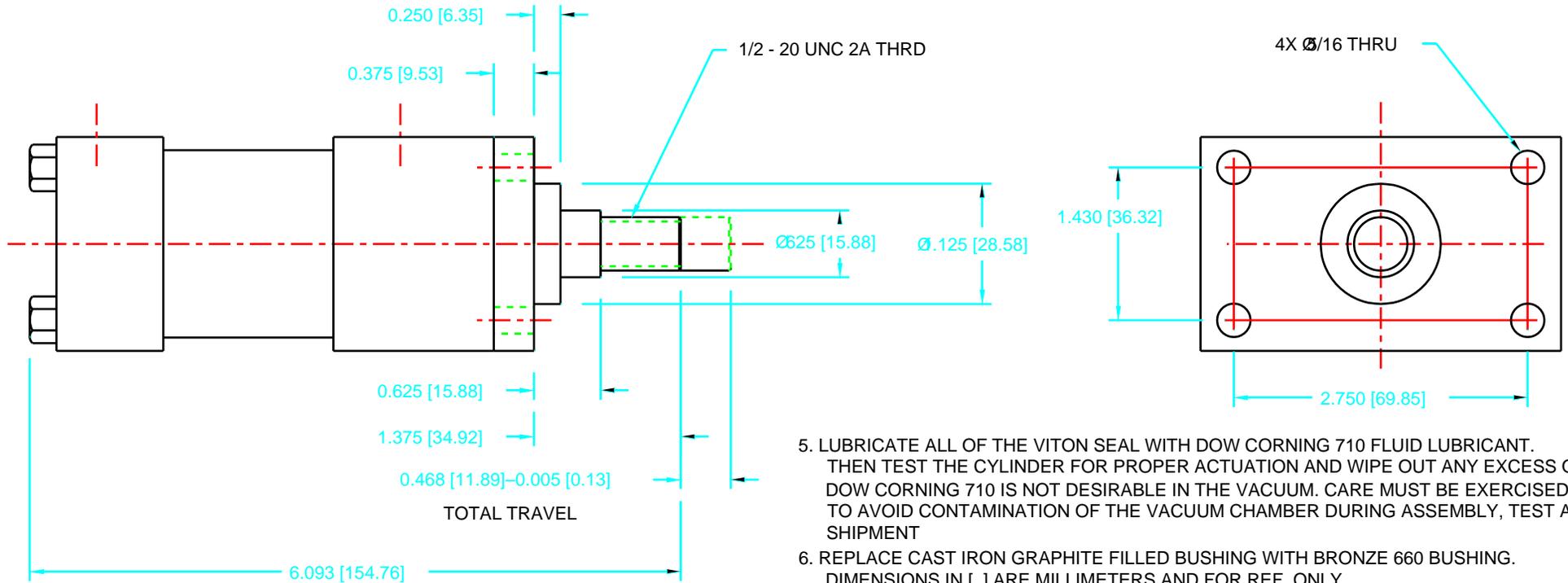


(B)

PLOT SCALE: 1=1

DWG. SCALE: 1

A0756701



- LUBRICATE ALL OF THE VITON SEAL WITH DOW CORNING 710 FLUID LUBRICANT. THEN TEST THE CYLINDER FOR PROPER ACTUATION AND WIPE OUT ANY EXCESS OIL. DOW CORNING 710 IS NOT DESIRABLE IN THE VACUUM. CARE MUST BE EXERCISED TO AVOID CONTAMINATION OF THE VACUUM CHAMBER DURING ASSEMBLY, TEST AND SHIPMENT
- REPLACE CAST IRON GRAPHITE FILLED BUSHING WITH BRONZE 660 BUSHING. DIMENSIONS IN [ ] ARE MILLIMETERS AND FOR REF. ONLY

NOTES:

- MATERIAL - MAKE FROM TRD MFG., INC. AIR CYLINDER CAT. #TA-MF1-1 1/2 X .468 VS-KK2 REF. SOURCE - FLUID POWER CO. 660 FARGO ELK GROVE VILLAGE IL. 60007
- NO GREASE OR TEFLON COATING IS ALLOWED TO BE USED AS A LUBRICANT
- ROD SURFACE SHALL BE POLISHED AND CHROME PLATED
- NO ELASTOMER MATERIAL SHALL BE USED AS SEAL OR WIPER EXCEPT VITON GRADED FOR AT LEAST 200°C

1	REVISED SPECIFICATION NOTES	M.J.M.			
SYM	CHANGE DESCRIPTION	BY	CHKD	DATE	

REVISIONS

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER <b>A0756701</b>		
TOLERANCES		THIS DRAWING IS THE PROPERTY OF <b>ARGONNE NATIONAL LABORATORY</b>		
DECIMALS	ANGULAR	UNIVERSITY OF CHICAGO		
.X - .03 [.7620]	- .25	TITLE <b>ADVANCED PHOTON SOURCE</b>		
.XX - .01 [0.25]		P2 2-ND PHOTON SHUTTER		
.XXX - .005 [0.127]		SLOW ACTUATOR		
SURFACE ROUGHNESS 125 ✓		AIR CYLINDER		
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		CHIEF DESIGN ENGINEER <b>D. SHU</b>	DATE <b>9/14/93</b>	
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		GP LEADER <b>T.M. KUZAY</b>	DATE <b>9/14/93</b>	
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		PROJECT MGR.		
		APPROVED/RELEASED		
		DESIGNER <b>SHU/MUSCIA</b>	DATE <b>4/2/93</b>	
		RESPONSIBLE ENGINEER <b>D. SHU</b>	DATE <b>9/14/93</b>	
		MATERIAL <b>SEE NOTE #1</b>	SCALE <b>1:1</b>	SIZE <b>B</b>
			SHEET <b>1 of 1</b>	DRAWING NUMBER <b>P4102010106-220001-01</b>
DO NOT SCALE DRAWING				