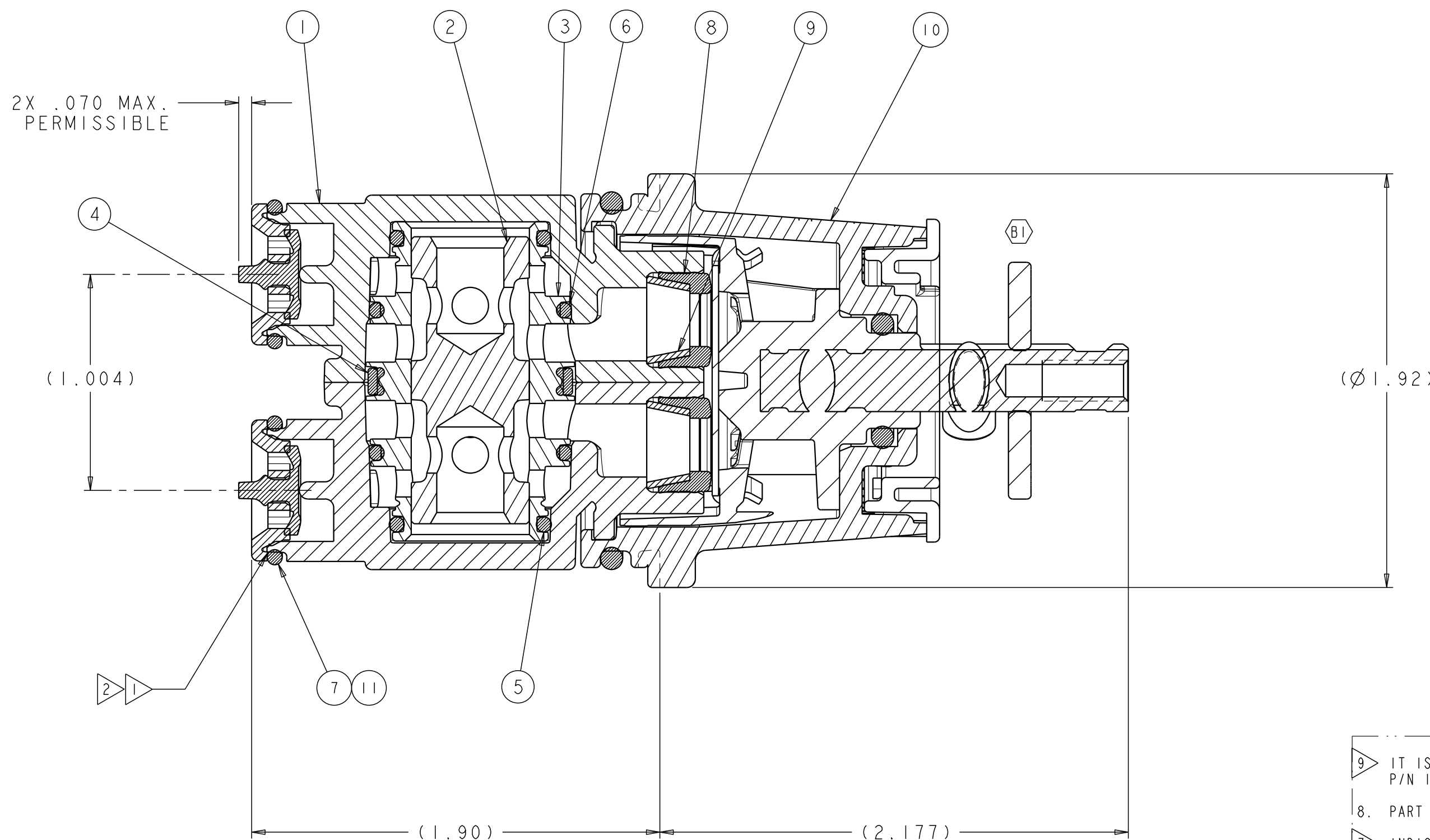


SCALE 1000

B3

QTY.	PART NO.	DESCRIPTION	NO.
2	33417	HOUSING	1
1	15108	SPOOL	2
	18864		
1	19681	SLEEVE	3
1	19765	SEAL	4
2	578	O-RING	5
2	30011	O-RING	6
2	14414	O-RING	7
2	1806	SEAT	8
2	3427	SPRING	9
1	49542WH	CAP SUB-ASSEMBLY	10
-	12556	SILICONE-GREASE	11



- 9 IT IS ACCEPTABLE TO USE EITHER 15108 OR 18864 IN THIS ASSEMBLY. P/N 15108 SPOOL IS PURCHASED, P/N 18864 SPOOL IS MANUFACTURED.
- 8. PART MUST COMPLY WITH MASCO SPECIFICATION #129.
- 7 INDICATED AREA MUST BE DATE STAMPED PRIOR TO VALVE ASSEMBLY.
- 6. STOPS SHALL NOT DEFORM ENOUGH TO PERMIT WATER TO FLOW AFTER A TORQUE OF 80 IN-LB HAS BEEN APPLIED BETWEEN THE STOP AND THE CAP STOP.
- 5. HOT LIMIT STOP MUST WITHSTAND 75 IN-LB TORQUE.
- 4. STOP STRENGTH OF CAP MUST WITHSTAND 90 IN-LB TORQUE.
- 3. CARTRIDGE MUST WITHSTAND AN INTERNAL PRESSURE OF 500 P.S.I. FOR ONE MINUTE WHEN TESTED IN A BRASS BODY.
- 2 .012 GAP PERMISSIBLE.
- 1 WELD JOINT MUST WITHSTAND AN AXIAL PULL OF 40 LBS.

REV	DESCRIPTION	E. N. NO.	ENGR APPRV & DATE
C2	ADDED P/N 49542WH	010777	
C1	REMOVED P/N 36600WH	BAE	DMG 15-OCT-07
B3	ADDED VIEW		
B2	UPDATED BOM	005315	JSW 06-20-06
B1	UPDATED GEOMETRY	SRJ	

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 55 E. 111th. Street, Indianapolis, Indiana 46280
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DO NOT SCALE DRAWING / BREAK ALL SHARP EDGES
 DIMENSIONS IN INCHES X.XXX
 DIMENSIONS IN MILLIMETERS [X.XXX]
 TWO PLACE DECIMALS ±.010 [0.25]
 THREE PLACE DECIMALS ±.005 [0.12]
 FOUR PLACE DECIMALS ±.0005 [0.012]
 FRACTIONAL TOLERANCE ±1/64
 ANGULAR TOLERANCE ±0.5°
 KEY PRODUCT CHARACTERISTIC (X.XXX)
 REFERENCE DIMENSION (X.XXX)
 ALL GDT PER ASME STD. Y14.5M-1994

Masco Corporation		DRAWN BY	DRAWING DATE
PLUMBING PRODUCTS DIVISION		C.BLED SOE	03-APR-03
MATERIAL	SEE DETAILS	ENGINEERED BY	SCALE CLASS
FINISH	SEE DETAILS	J.WEISENBACH	2.000 C
PART DESCRIPTION	CARTRIDGE ASSY	DRW SIZE DESIGN SYSTEM	VOLUME (in ³)
		C PRO/E	-
		PART NUMBER	REV.
		48001	C