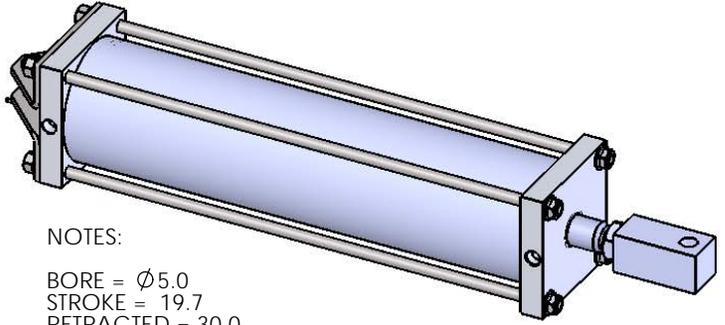
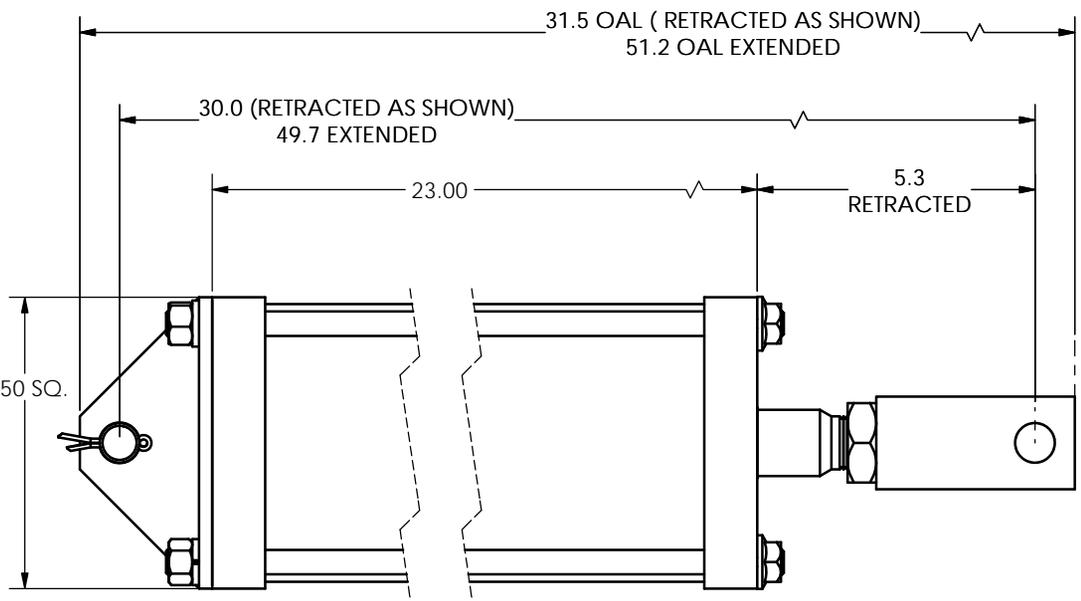
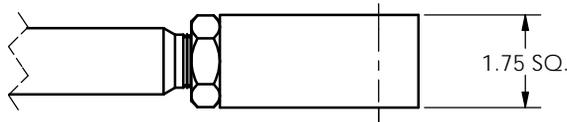
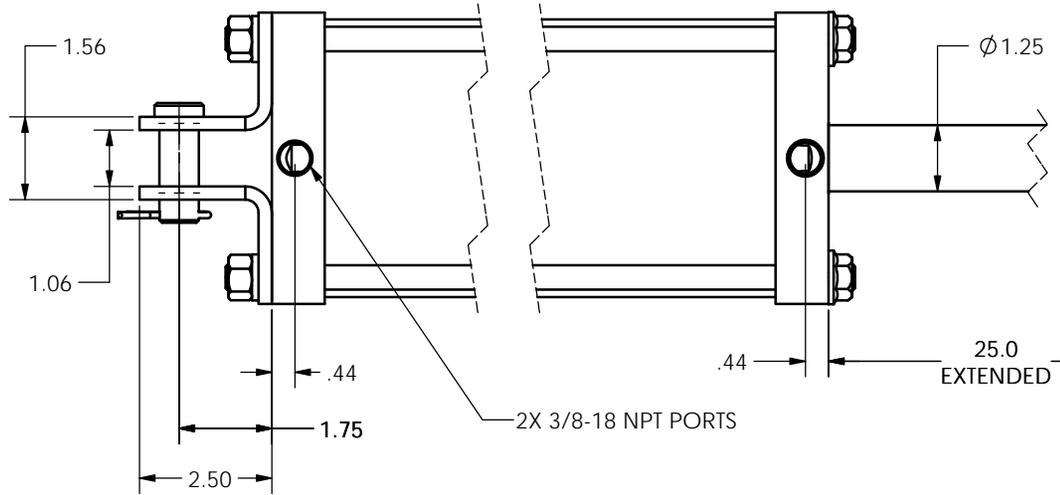
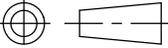


REVISIONS				
ECR	REV.	DESCRIPTION	DATE	APPROVED
E2301	B	See Sheet1	10/03/2013	JUMPER



NOTES:
 BORE = $\phi 5.0$
 STROKE = 19.7
 RETRACTED = 30.0
 EXTENDED = 49.7
 EXTENSION FORCE @ 100PSI= 1963 LBS
 RETRACT FORCE @ 100PSI= 1841 LBS

PORTS ON TOP

TYPE OF PROJECTION  THIRD ANGLE PROJECTION PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APSCO Inc. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF APSCO Inc. IS PROHIBITED.	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS X = ± 0.03 XX = ± 0.10 XXX = ± 0.005 FRACTION = ± 0.015 ANGLES = $\pm 1/2^\circ$	 8178 EAST 44TH STREET TULSA, OK 74145					
	SURFACE TEXTURE OR BETTER MATERIAL N/A FINISH N/A	TITLE: CYL 5 X 19.7 DA 16 BR BE PK		DWG. NO. C-8120-B-PK			
		SIZE B	DRAWN KET	DATE 10/19/2000	REV B	CLASS CYL	
F/N: C-8000 SERIES MASTER						SHT. 2 OF 2	