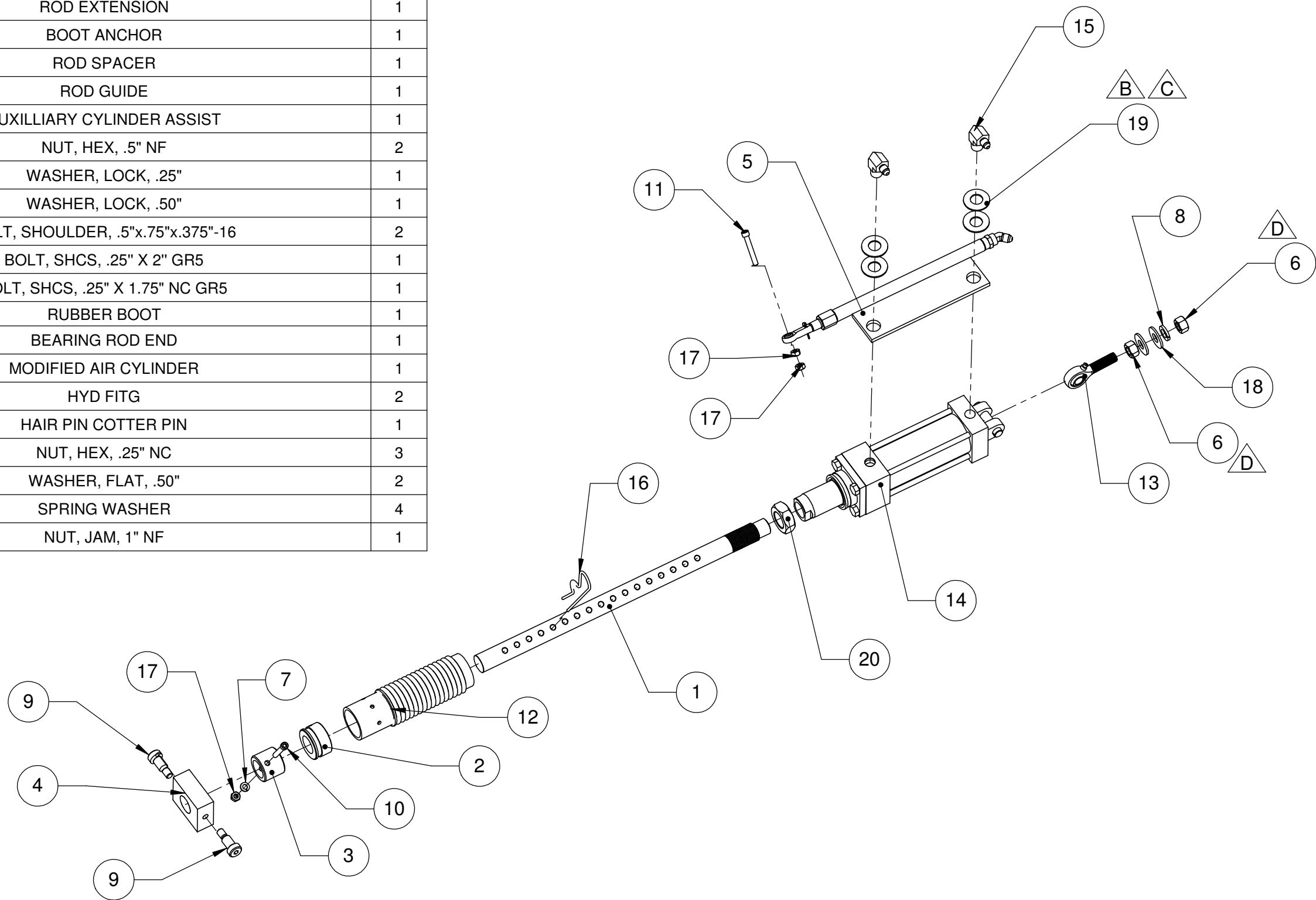

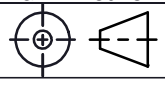


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	13567	ROD EXTENSION	1
2	13568	BOOT ANCHOR	1
3	13569	ROD SPACER	1
4	14166	ROD GUIDE	1
5	107-701-008-00	AUXILLIARY CYLINDER ASSIST	1
6	16511	NUT, HEX, .5" NF	2
7	14138	WASHER, LOCK, .25"	1
8	14140	WASHER, LOCK, .50"	1
9	23129	BOLT, SHOULDER, .5"x.75"x.375"-16	2
10	14492	BOLT, SHCS, .25" X 2" GR5	1
11	14504	BOLT, SHCS, .25" X 1.75" NC GR5	1
12	14513	RUBBER BOOT	1
13	14629	BEARING ROD END	1
14	15098	MODIFIED AIR CYLINDER	1
15	15582	HYD FITG	2
16	16098	HAIR PIN COTTER PIN	1
17	16483	NUT, HEX, .25" NC	3
18	17649	WASHER, FLAT, .50"	2
19	17681	SPRING WASHER	4
20	14135	NUT, JAM, 1" NF	1



ECN	REV	DESCRIPTION	DRAWN	CHECKED	DATE	UNLESS OTHERWISE STATED	TOLERANCE UNLESS OTHERWISE SPECIFIED	HUB CITY IRON WORKS		PROPRIETARY AND CONFIDENTIAL	
-	A	RELEASED FOR MANUFACTURING	PWF	SH	09/30/11	- ALL SHARP EDGES TO BE GROUND R0.125" - ALL WELDS IN ACCORDANCE WITH AWS D1.1 and KWS-001 - MARK/STAMP PT. # AND/OR W.O. # ON PARTS - $\phi \pm 0.063$	X" $\pm .5"$ X.X" $\pm .25"$ X.XX" $\pm .125"$ X.XXX" $\pm .063"$ X.XXXX" $\pm .010"$ X° $\pm 1°$			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HUB CITY IRON WORKS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HUB CITY IRON WORKS IS PROHIBITED.	
	B					MATERIAL		BY: PWF DATE: 05/09/11 DRAWN: PWF CHECKED: SH 09/30/11 APPROVED: SH 04/03/13		TITLE: SECONDARY CYLINDER (ASSIST)	
	C					COATING		DWG. No: 107-701-014-00		REV.: A	
	D					N/A	3rd ANGLE PROJECTION 	SAP. No: 47192		WT: LBS SHEET 1 OF 1	
	E					DO NOT SCALE ALL DIMENSION IN INCHES		I H G F E D C B A		1	

001-101-005 REV A C:\00ENGRVAULT\Products\107 - Pipe Cleaning Machine\701 - Mechanical Sub Assemblies\