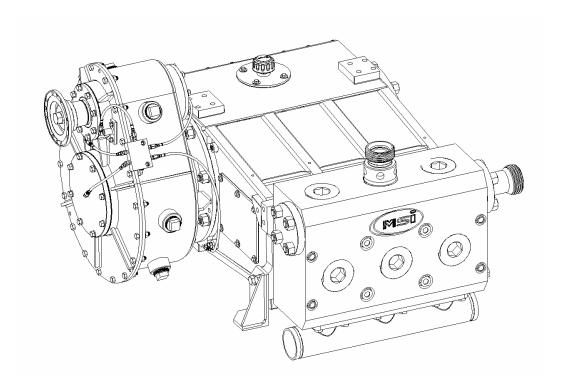
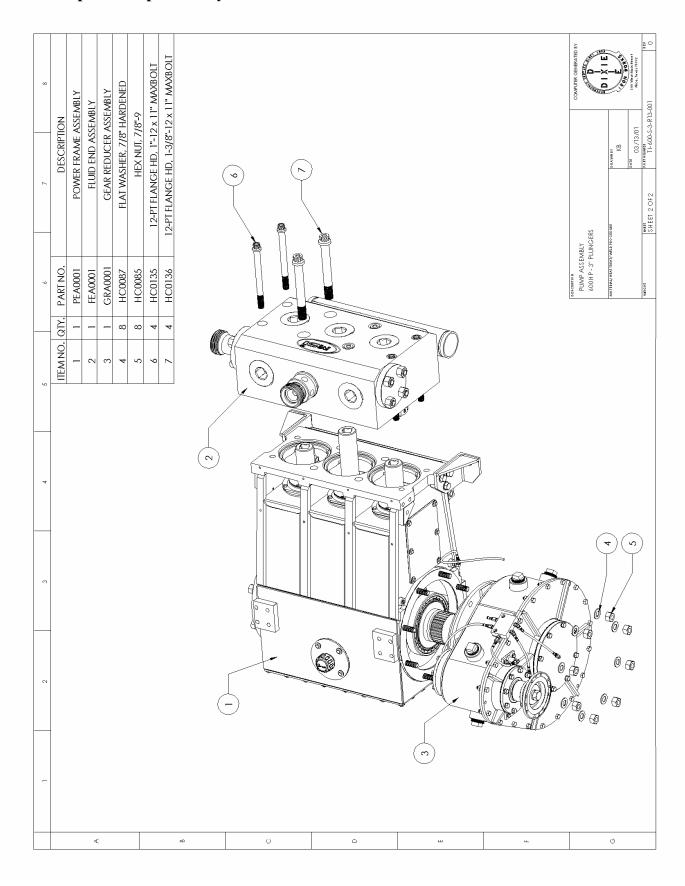
Dixie Iron Works, Ltd. 300 W. Main St. Alice, TX 78332 www.diwmsi.com (800) 242-0059 (361) 664-6597



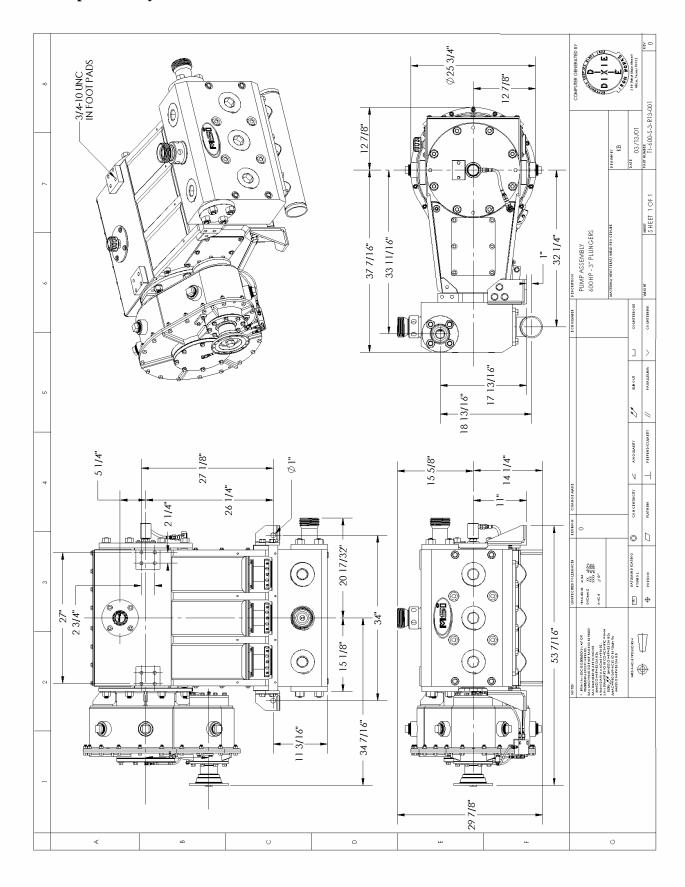
MSI TI-600

Technical Manual for 600 HP Triplex MSI TI-600 Pump

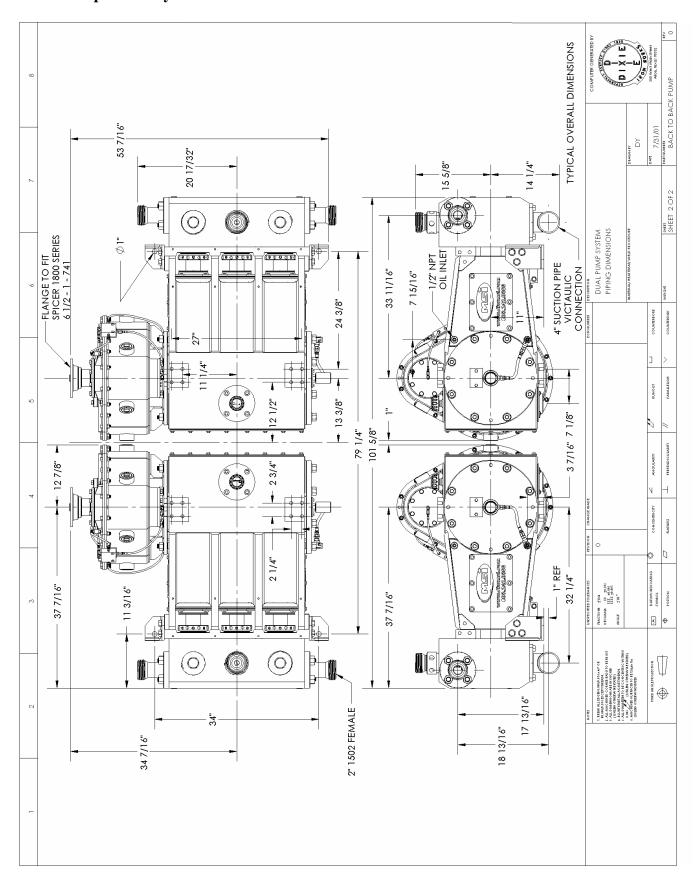
1.20 Complete Pump Assembly



1.30 Pump Assembly Overall Dimensions



1.35 Pump Assembly Overall Dimensions



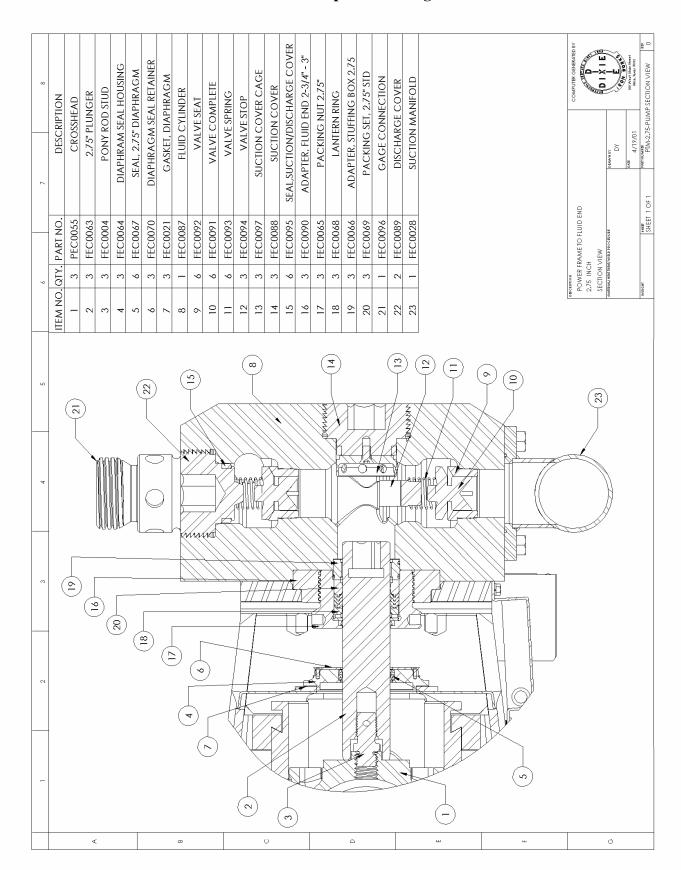
3.00 Scheduled Maintenance

MSI recommends that all Pumps have regular scheduled maintenance. Regular maintenance will help ensure trouble-free operation.

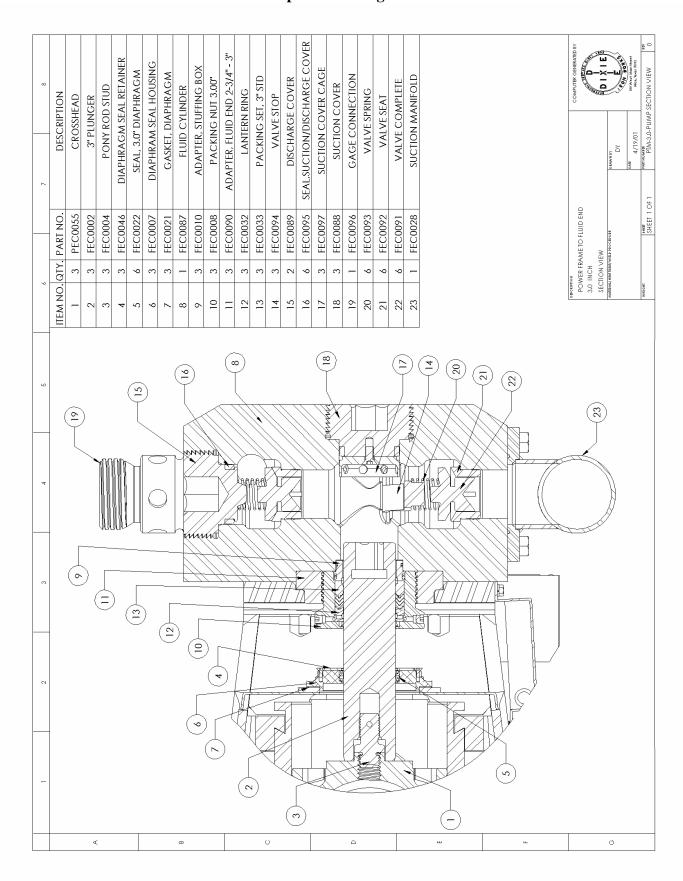
3.10 Power Frame to Fluid End Make-Up

Drawings below show the Power Frame and Fluid End make-up for each plunger size.

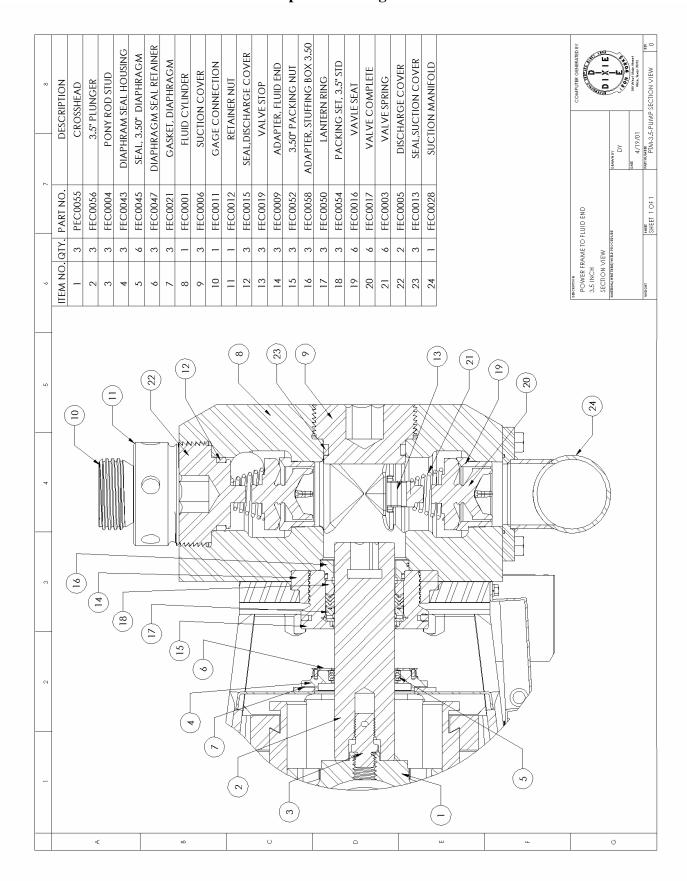
3.10.1 Power Frame to Fluid End Make-Up – 2.75 Plunger



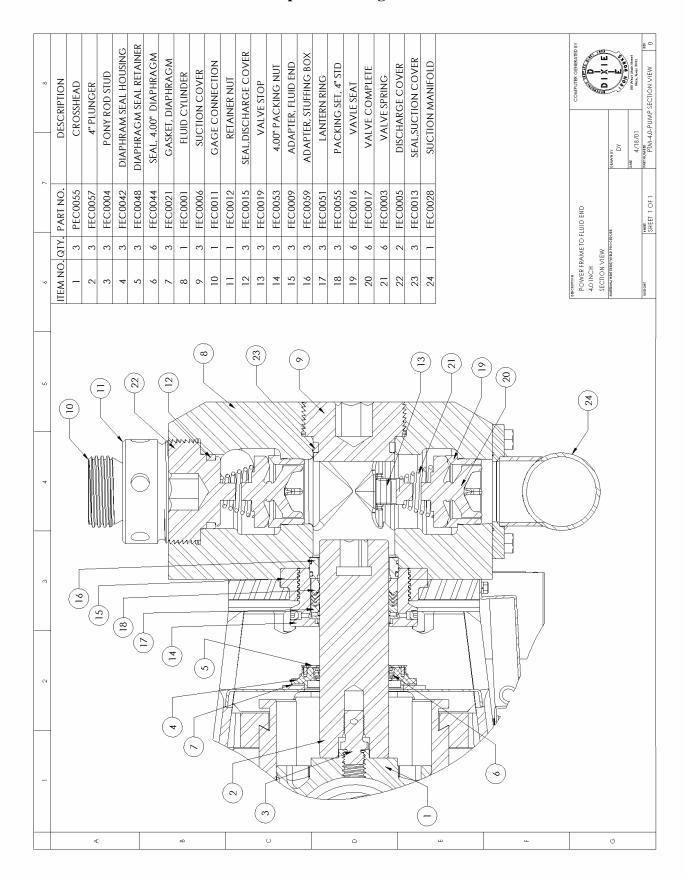
3.10.2 Power Frame to Fluid End Make-Up – 3.00 Plunger



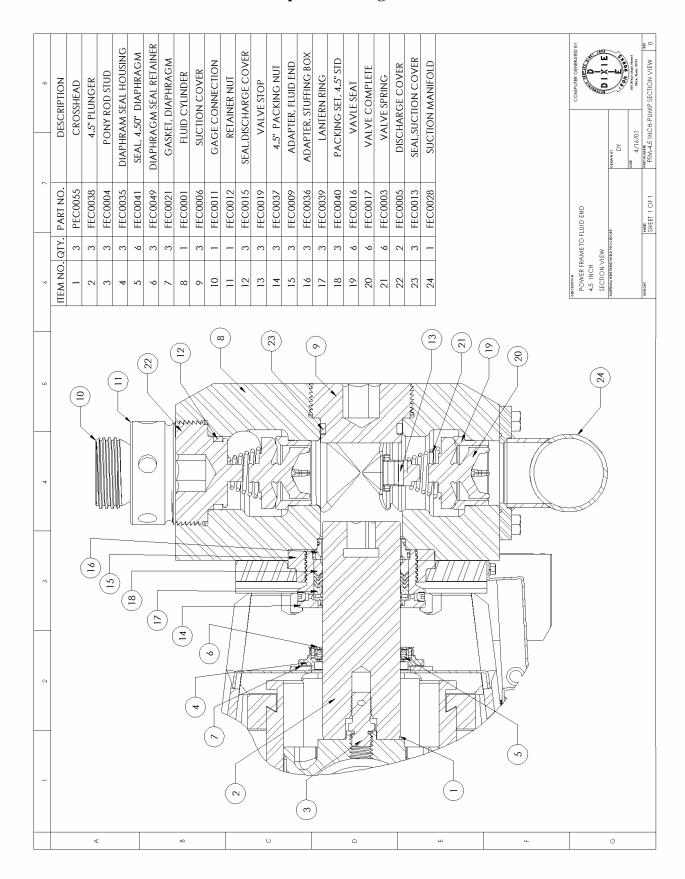
3.10.3 Power Frame to Fluid End Make-Up – 3.50 Plunger



3.10.4 Power Frame to Fluid End Make-Up – 4.00 Plunger



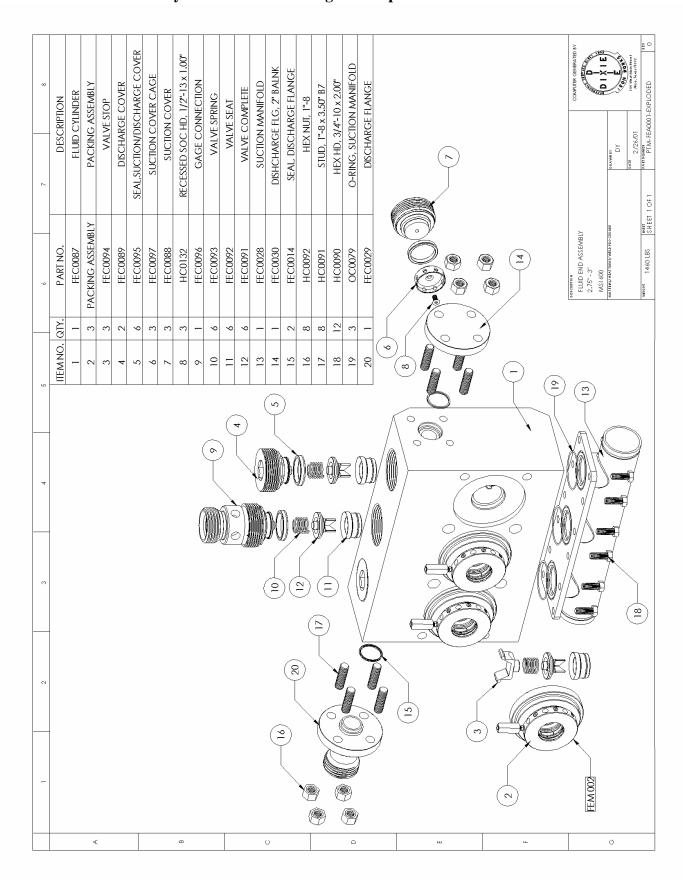
3.10.5 Power Frame to Fluid End Make-Up – 4.50 Plunger



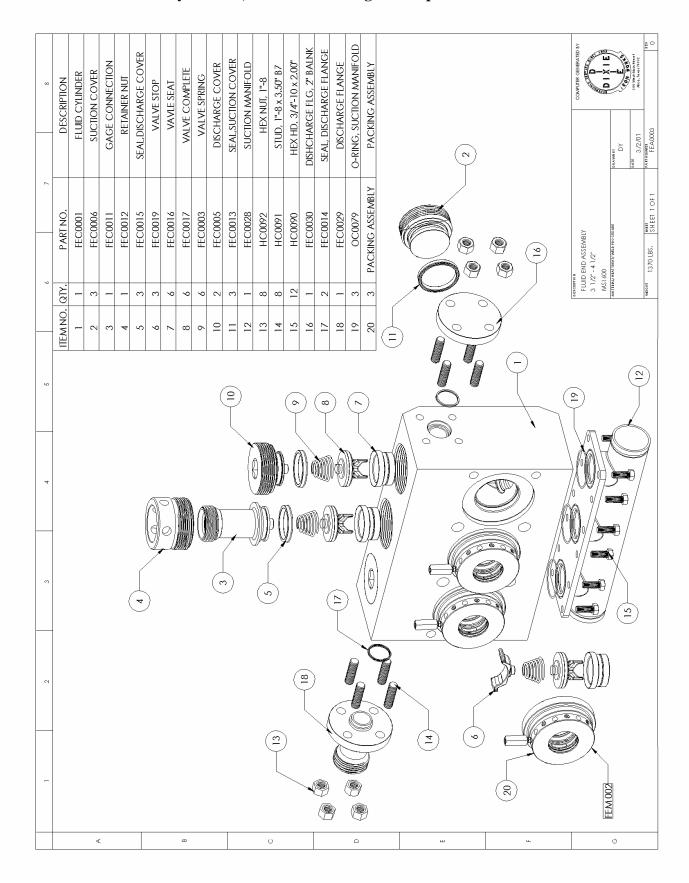
3.20 Fluid End Assembly-Exploded View

Drawings below are for the two different sizes of Fluid Ends that MSI manufactures. See Section 6.20 for the different Packing Assembly Drawings.

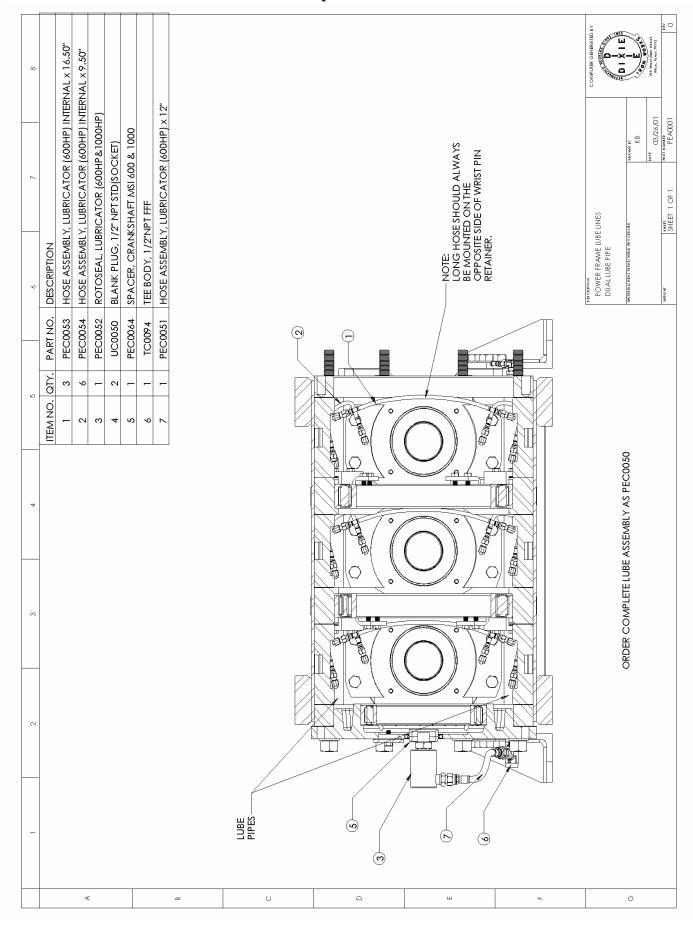
3.20.1 Fluid End Assembly for 2.75 & 3.00 Plungers – Exploded View



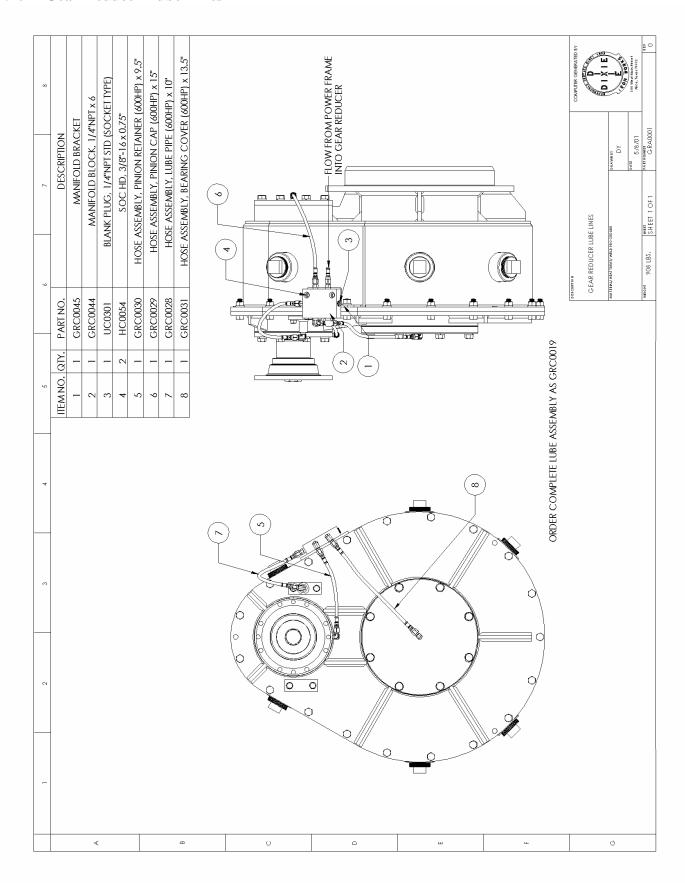
3.20.2 Fluid End Assembly for 3.50, 4.00 & 4.50 Plungers – Exploded View

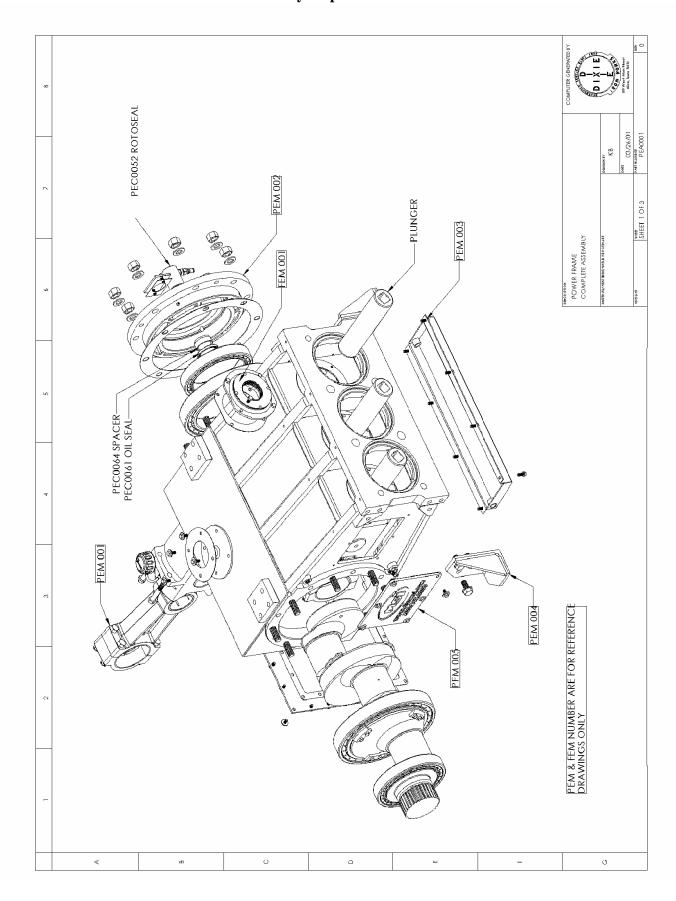


4.10 Power Frame Lube Lines- Dual Lube Pipe

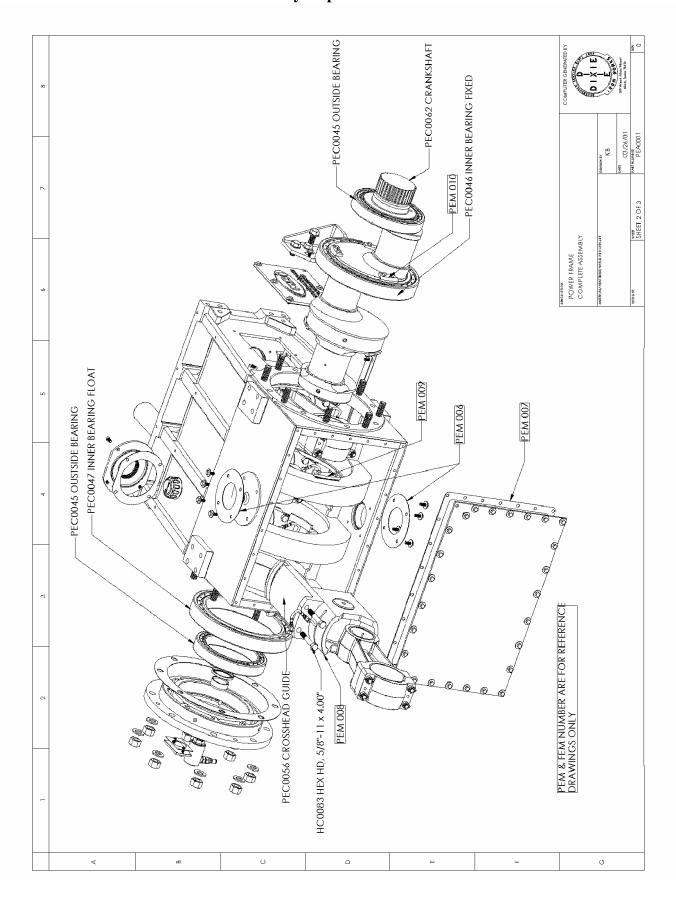


4.20 Gear Reducer Lube Lines

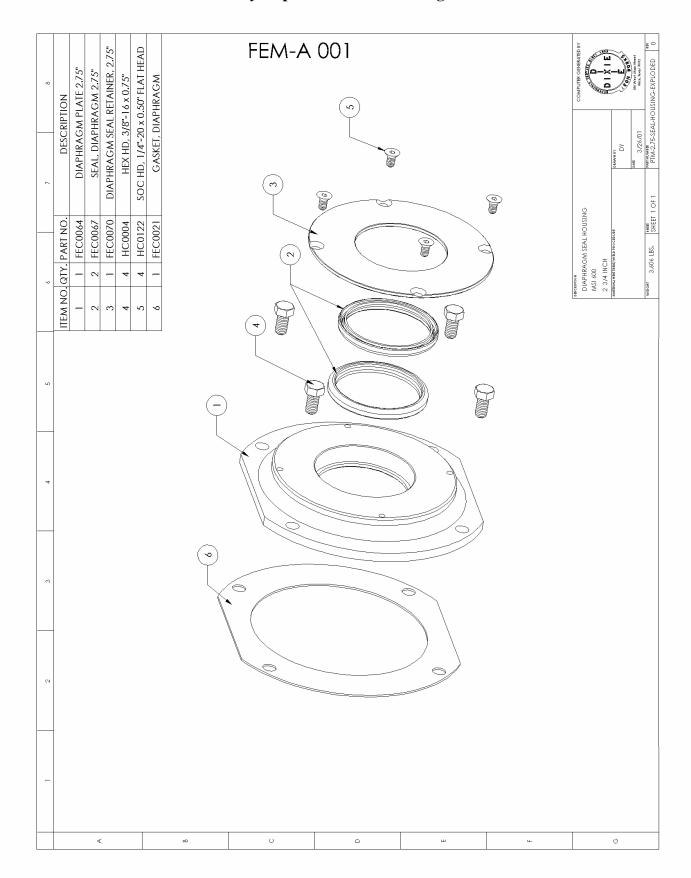




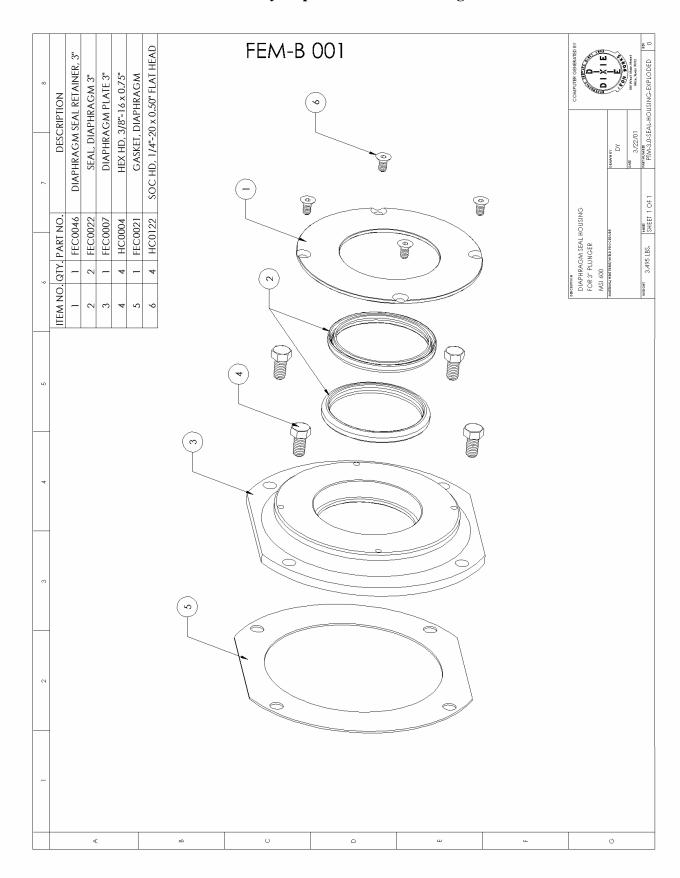
5.10.1 Power Frame Assembly-Exploded View

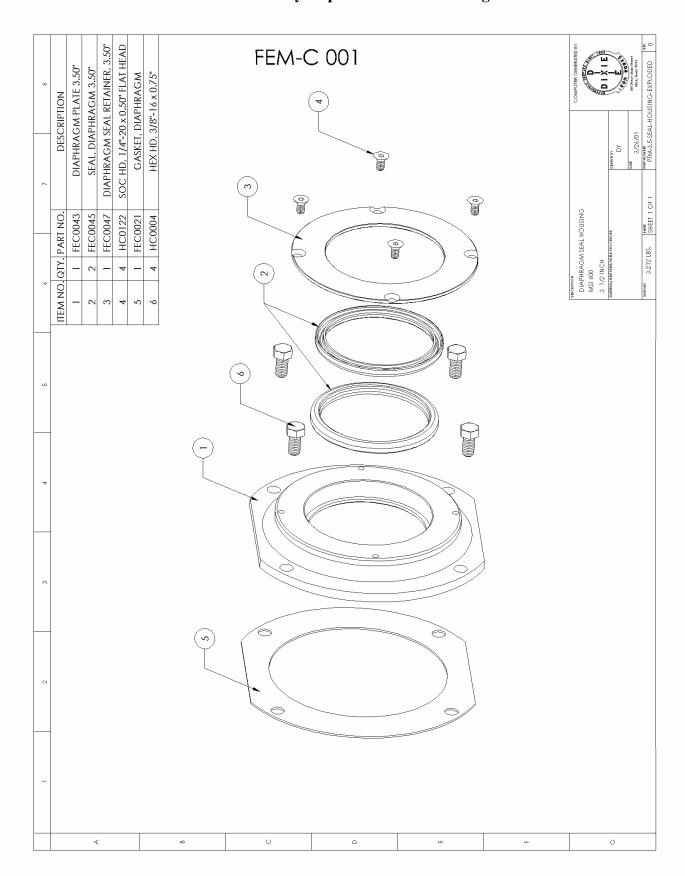


5.10.2 Power Frame Assembly-Exploded View 2.75 Plunger Reference

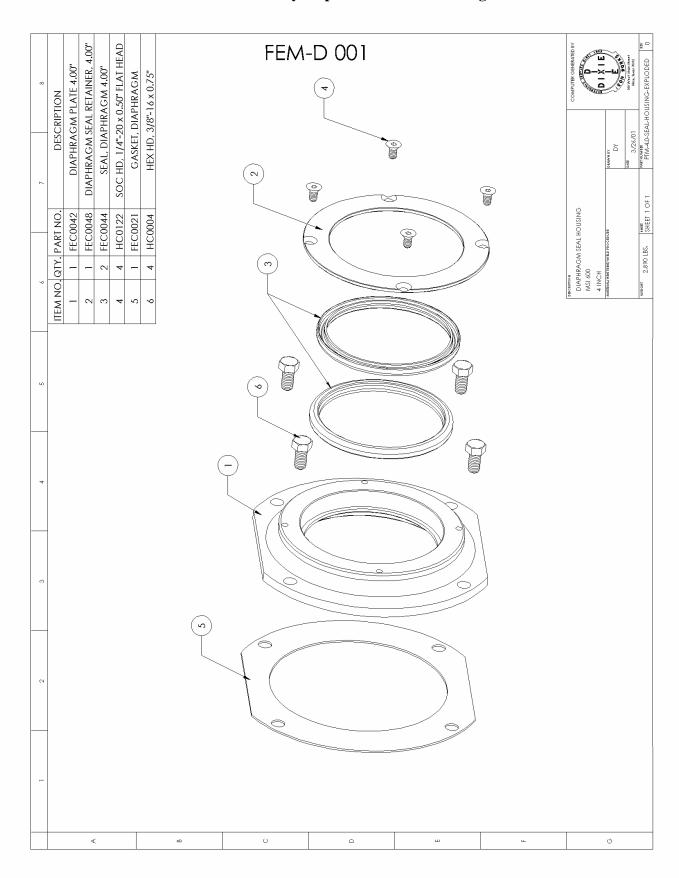


5.10.3 Power Frame Assembly-Exploded View 3.00 Plunger Reference

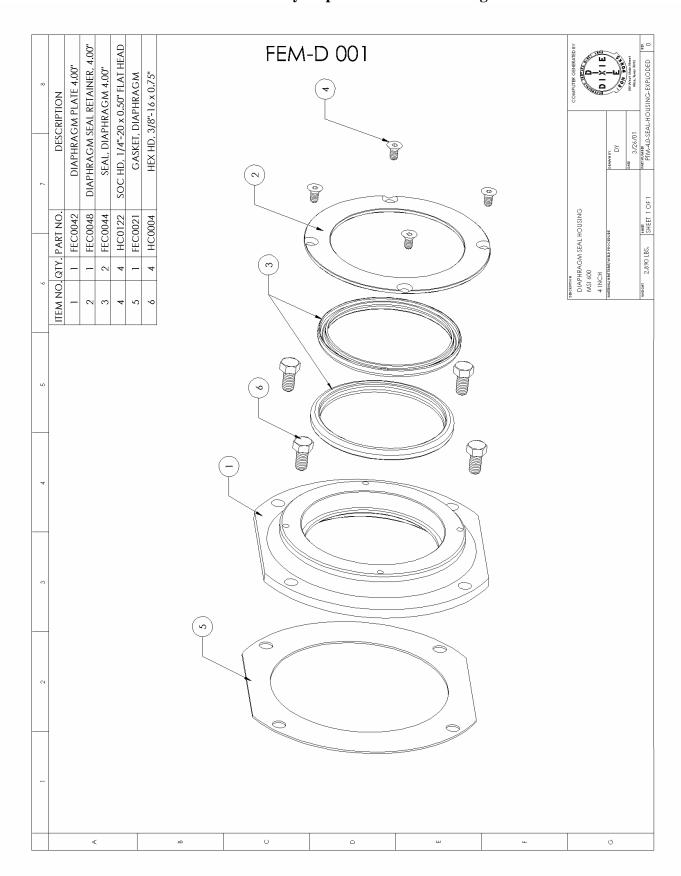




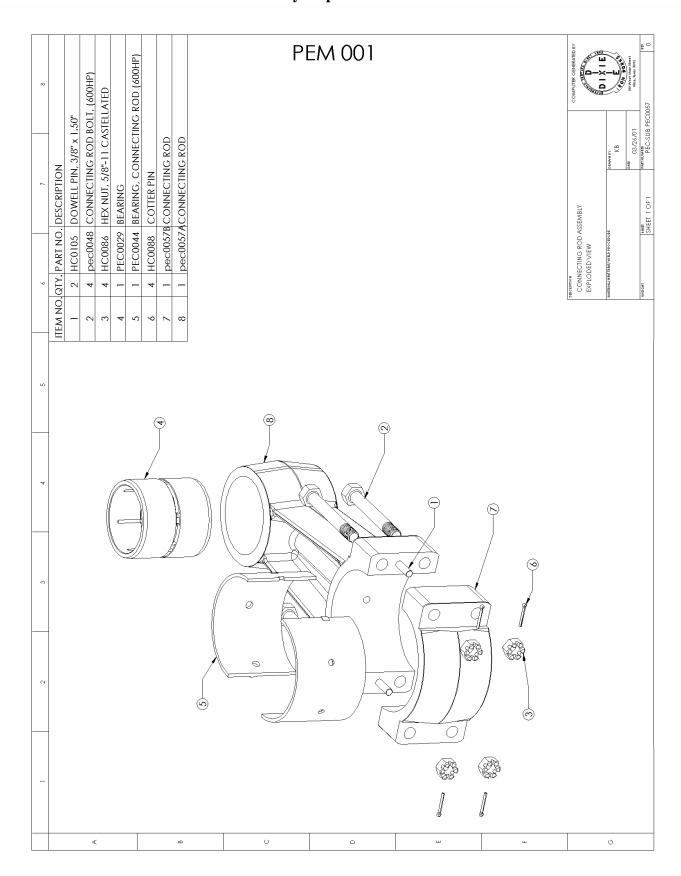
5.10.5 Power Frame Assembly-Exploded View 4.00 Plunger Reference

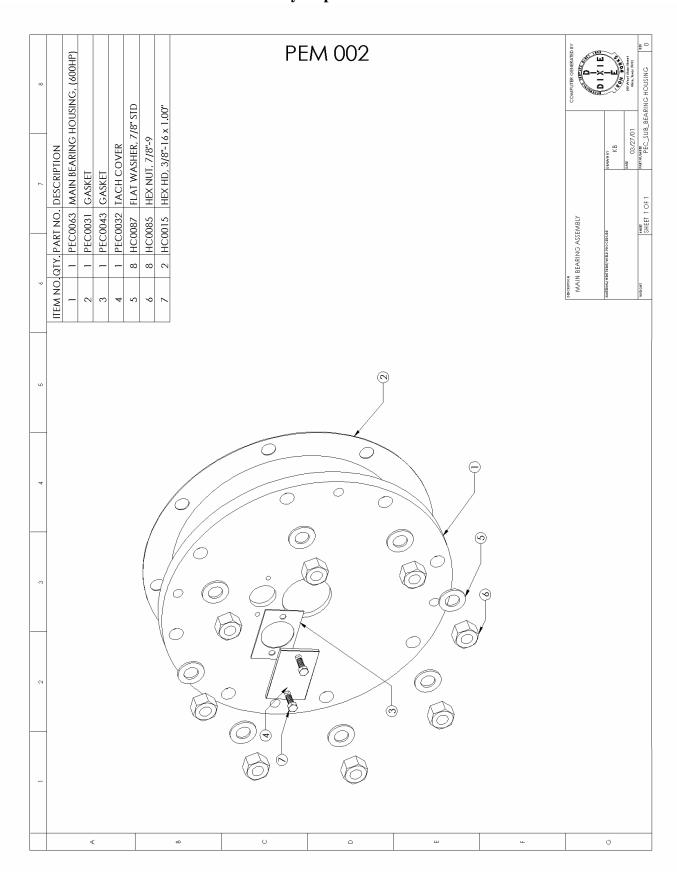


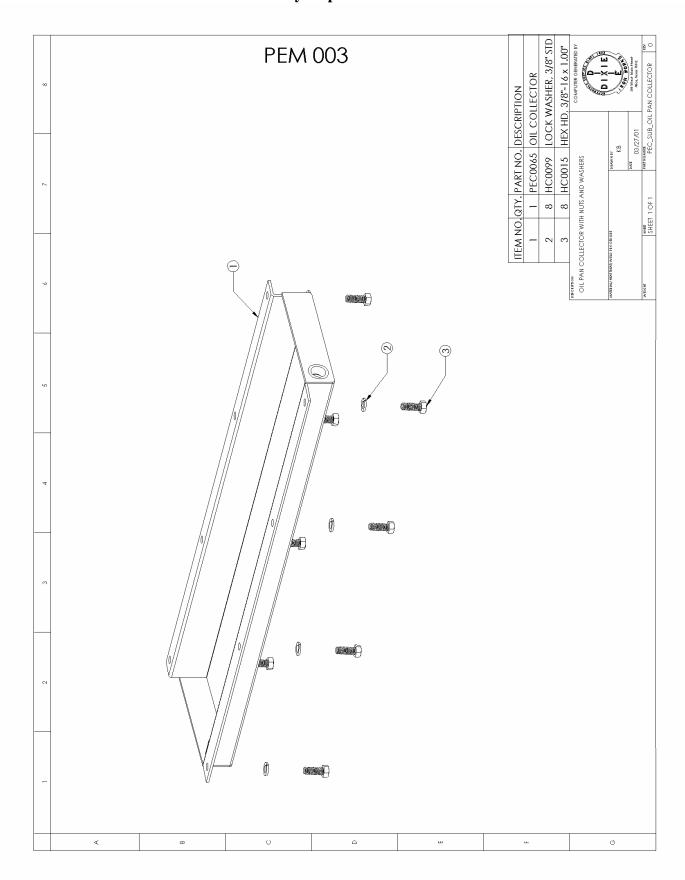
5.10.6 Power Frame Assembly-Exploded View 4.50 Plunger Reference



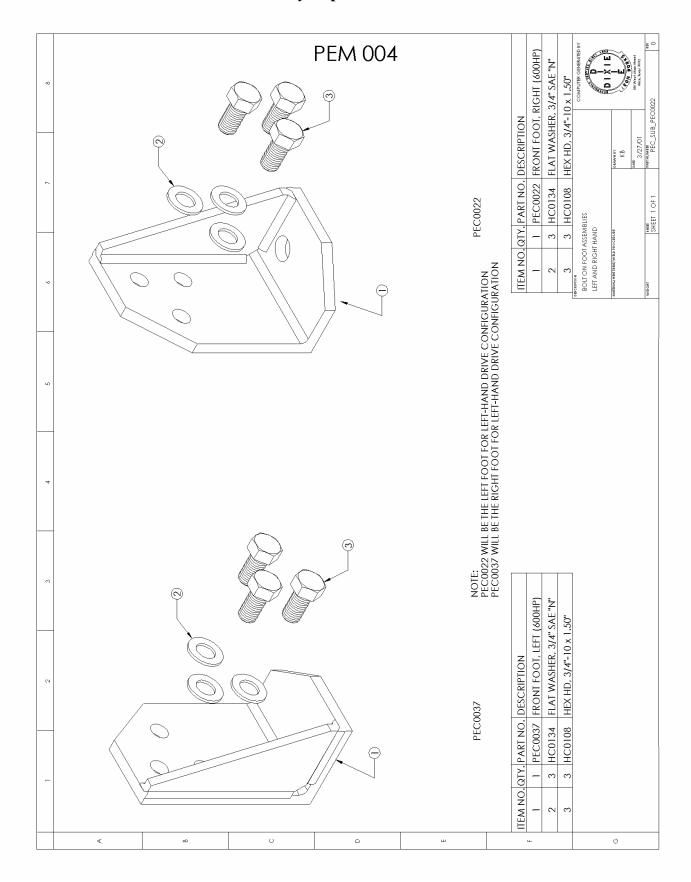
5.10.7 Power Frame Assembly-Exploded ViewReference



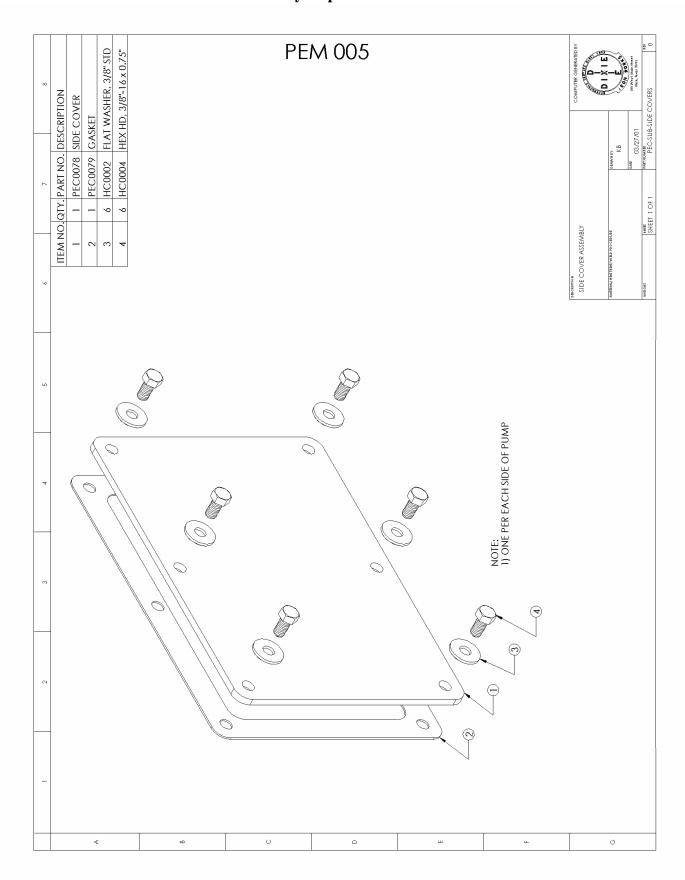




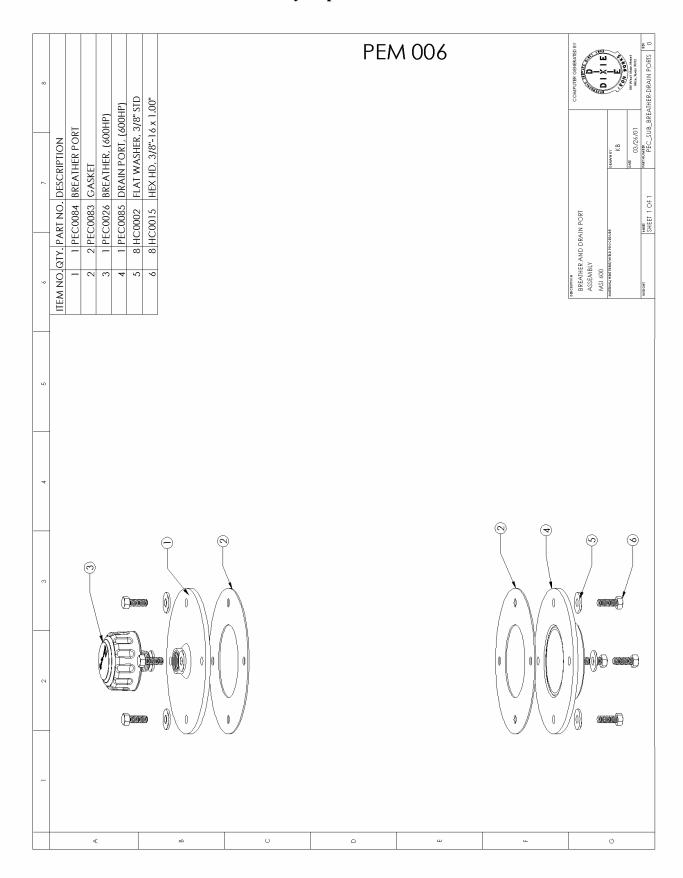
5.10.10 Power Frame Assembly-Exploded View Reference



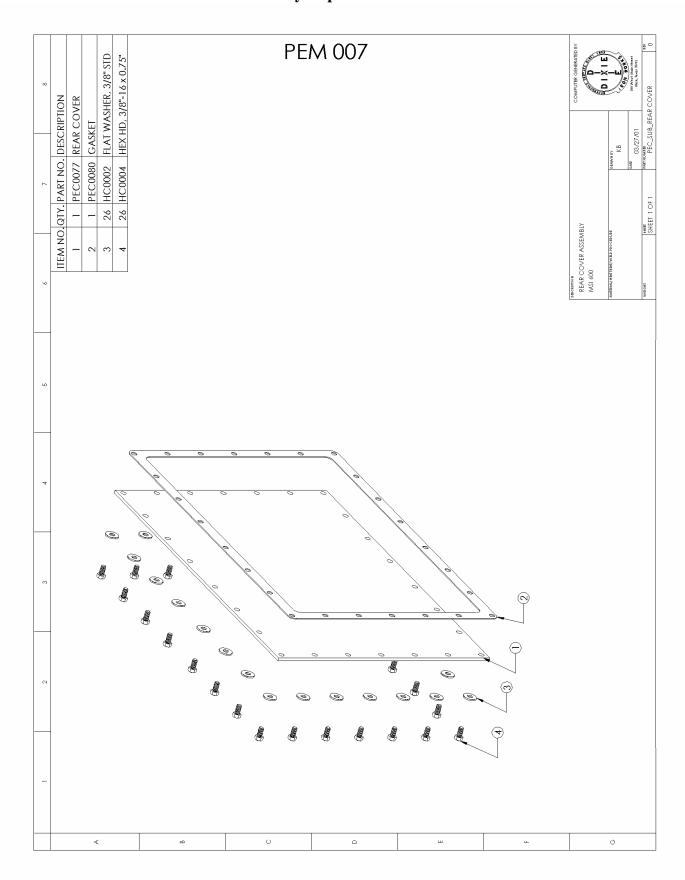
5.10.11 Power Frame Assembly-Exploded View Reference



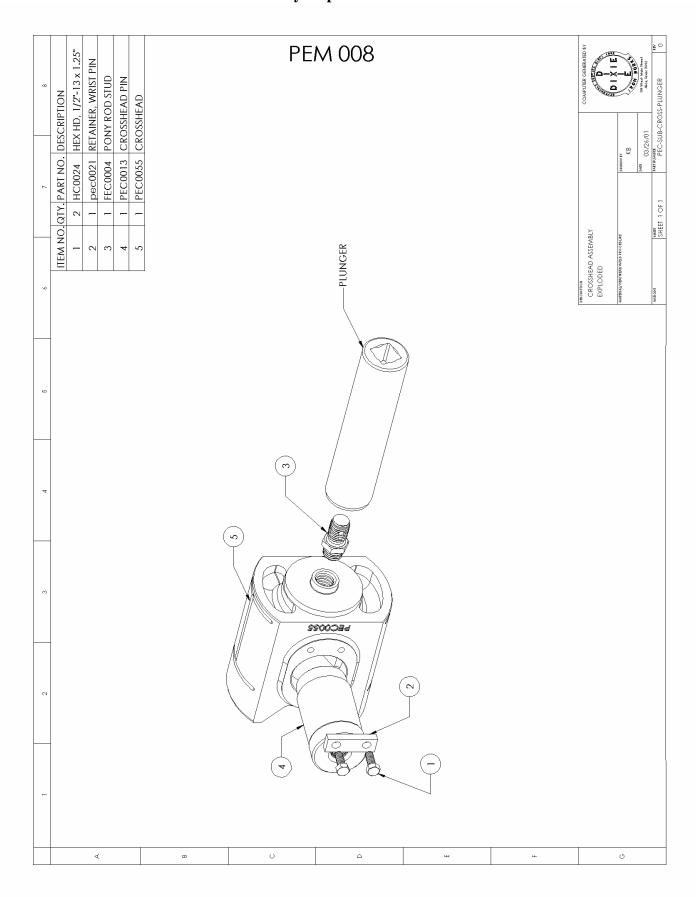
5.10.12 Power Frame Assembly-Exploded View Reference



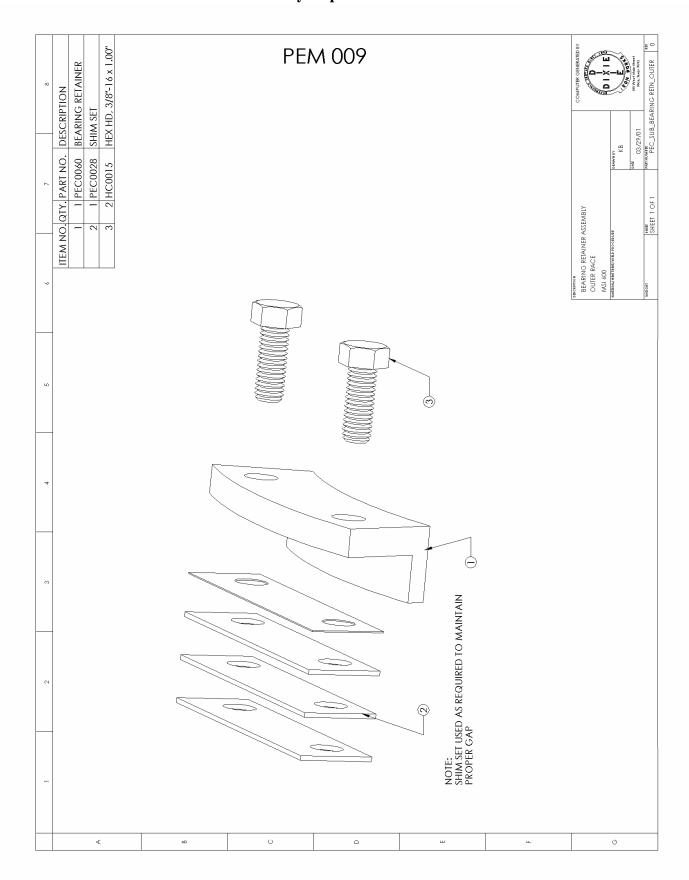
5.10.13 Power Frame Assembly-Exploded View Reference



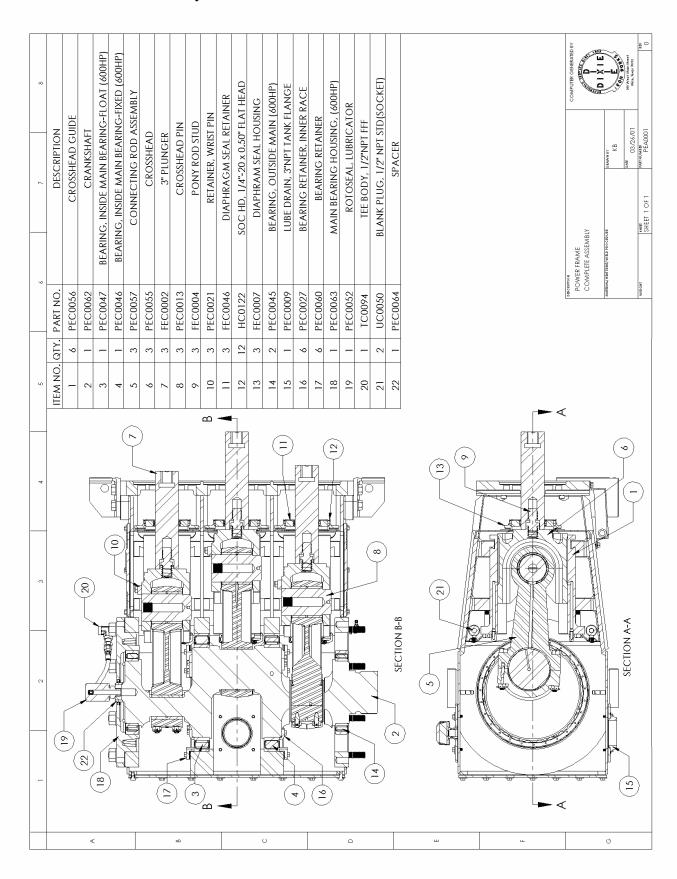
5.10.14 Power Frame Assembly-Exploded View Reference



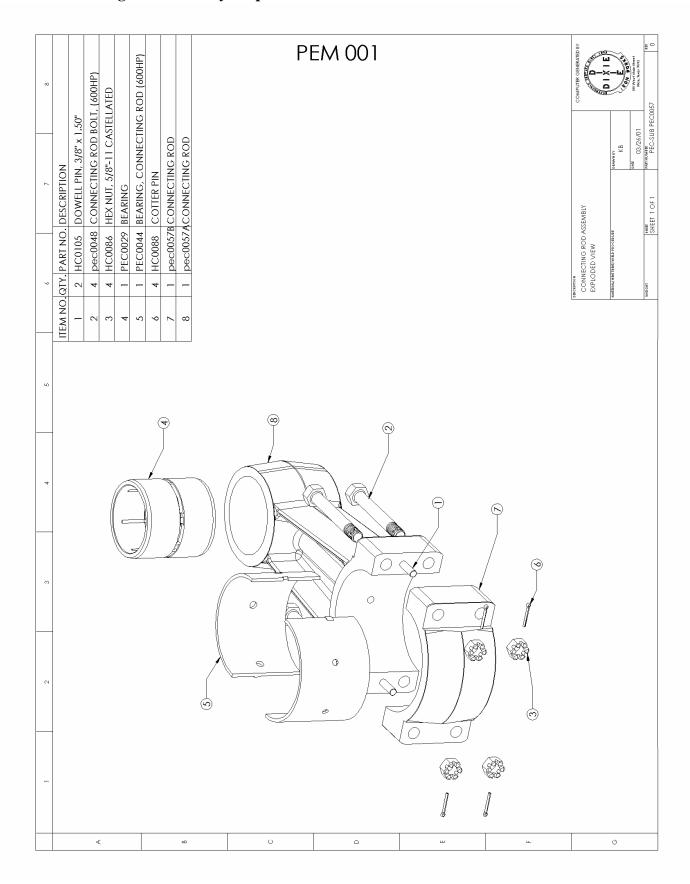
5.10.15 Power Frame Assembly-Exploded View Reference

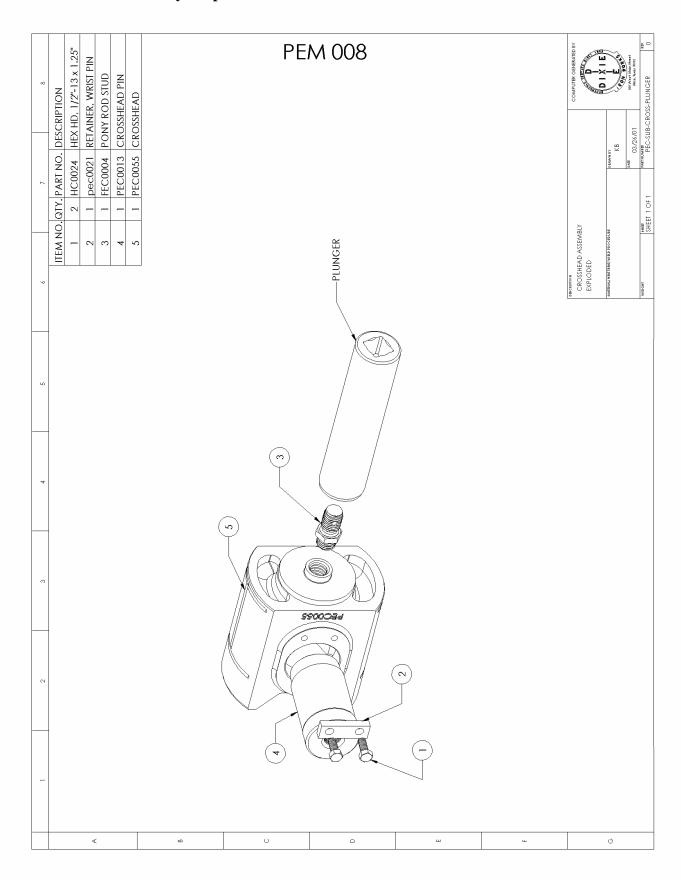


5.20 Power Frame Assembly-Section View

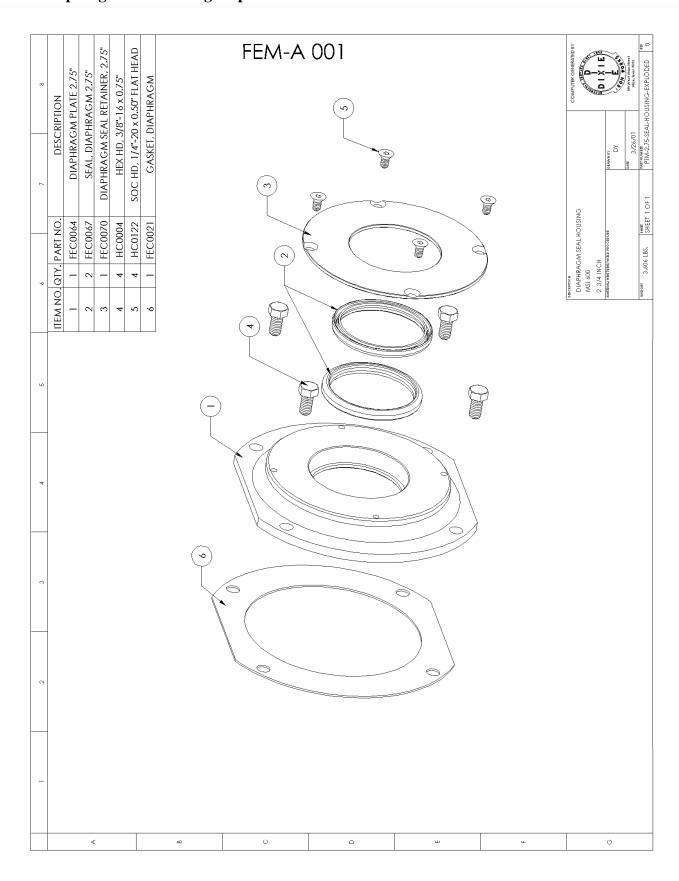


5.40 Connecting Rod Assembly- Exploded View



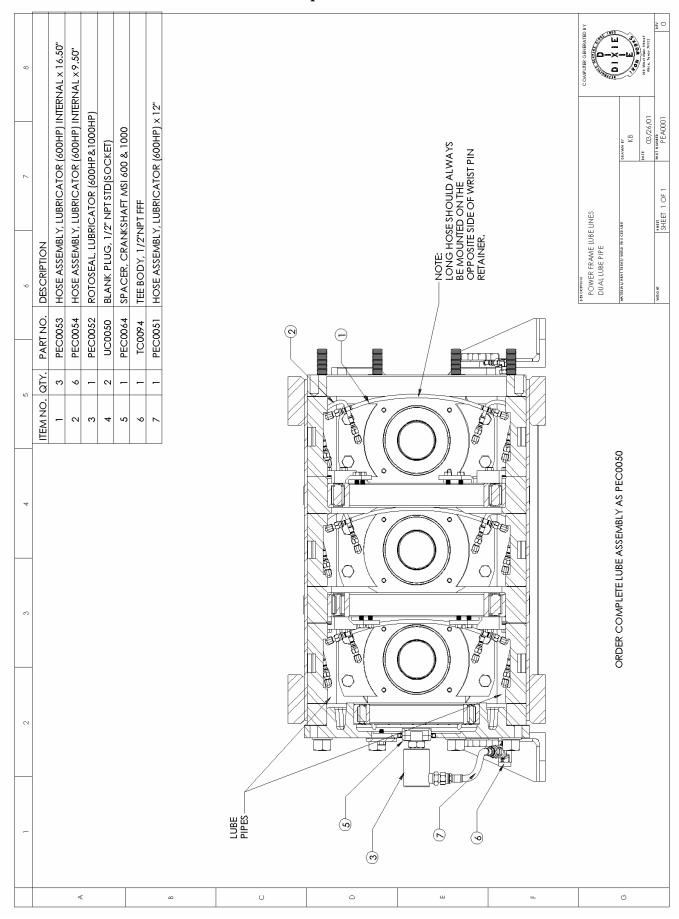


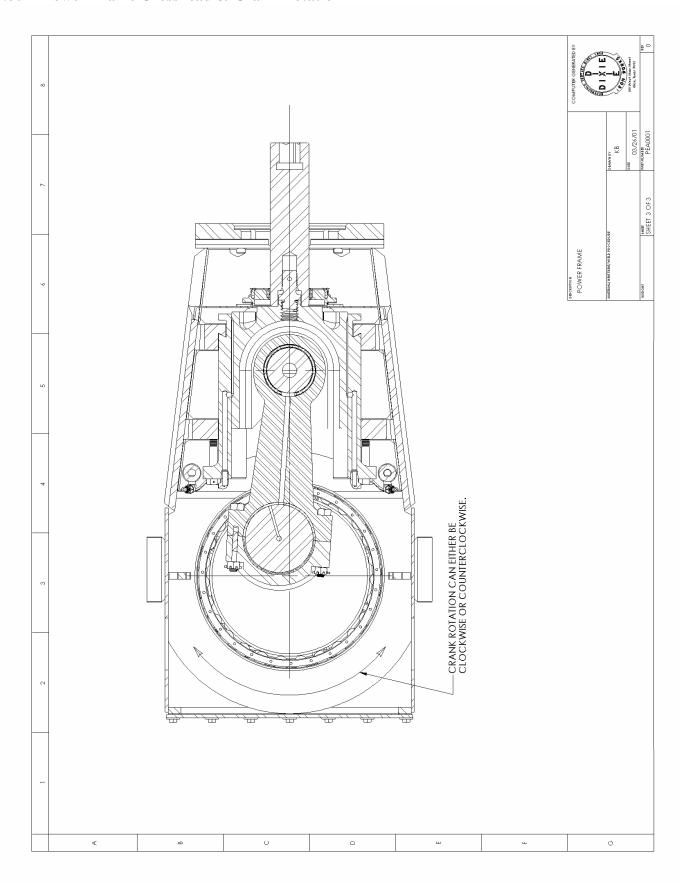
5.60 Diaphragm Seal Housing-Exploded View



Note: See 5.10.2 through 5.10.5 for other sizes

5.70 Power Frame Lube Lines-Dual Lube Pipe

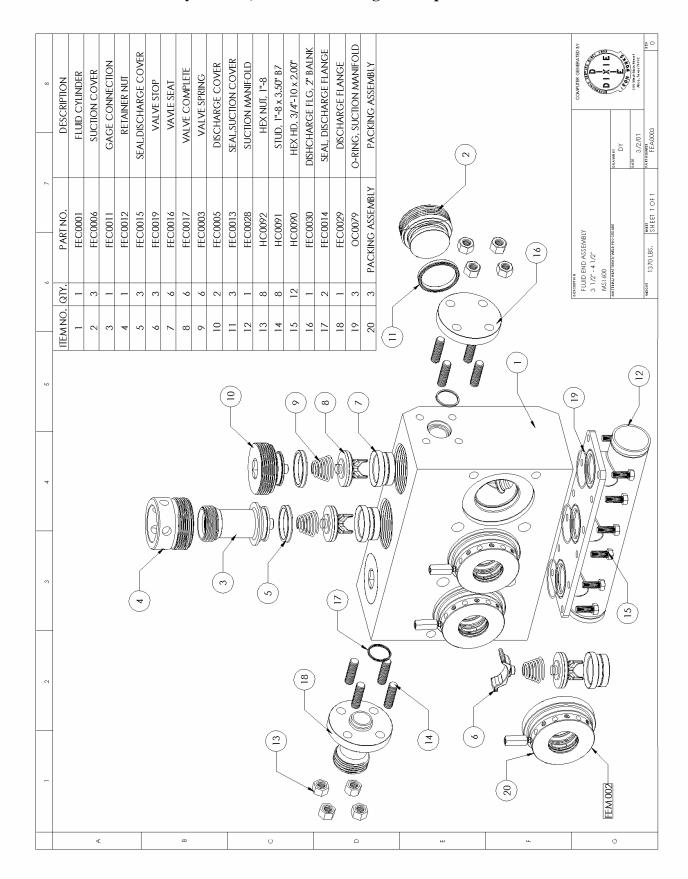




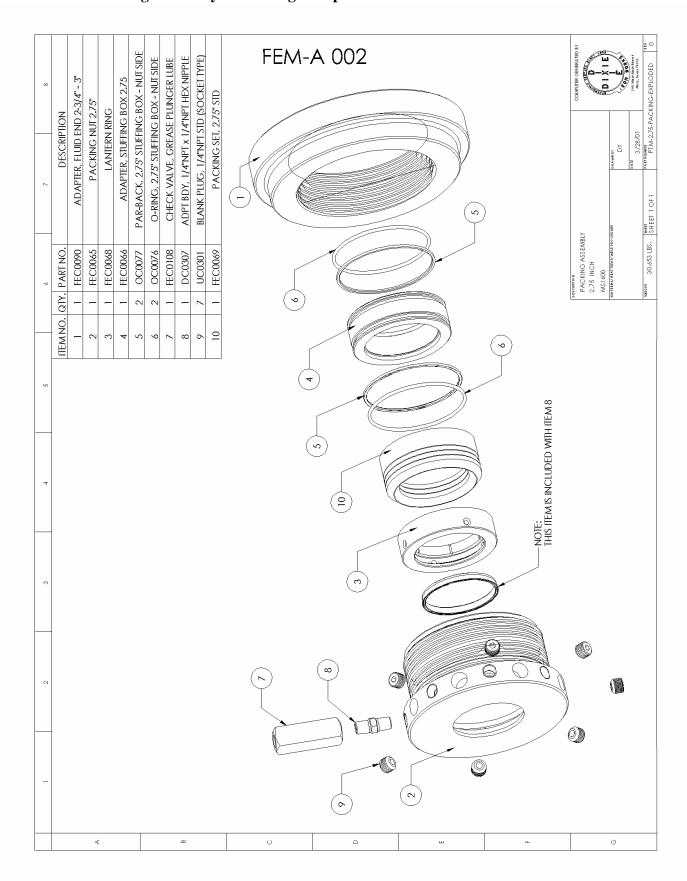
6.10.1 Fluid End Assembly for 2.75 & 3.00 Plungers – Exploded View

7 8	DESCRIPTION	FLUID CYLINDER	PACKING ASSEMBLY	VALVE STOP	DISCHARGE COVER	SEAL, SUCTION/DISCHARGE COVER	SUCTION COVER CAGE	SUCTION COVER	RECESSED SOC HD, 1/2'-13 x 1.00"	GAGE CONNECTION	VALVE SPRING	VALVE SEAT	VALVE COMPLETE	SUCTION MANIFOLD	DISHCHARGE FLG, 2" BALNK	SEAL, DISCHARGE FLANGE	HEX NUT, 1"-8	STUD, 1"-8 x 3.50" B7	HEX HD, 3/4"-10 x 2.00"	O-RING, SUCTION MANIFOLD	DISCHARGE FLANGE	
20	PART NO.	FEC0087	PACKING ASSEMBLY	FC0094	FEC0089	FEC0095	FEC0097	FEC0088	HC0132	FC0098	FEC0093	FEC0092	FEC0091	FEC0028	FEC0030	FC0014	HC0092	HC0091	HC0090	OC0079	FEC0029	FECONDAY STREETING BY ELLID END ASSEMBLY 2.75-3" ASSI 600 MAST
	QTY.	-	က	က	2	9	က	3	3	-	9	9	9	-	-	2	∞	8	12	က	_	
	ITEM NO. QTY.	-	2	က	4	5	9	_	8	6	10	=	12	13	14	15	16	17	18	19	20	
4																						
0															(1)	(S)						
_																\	\ @) 9				EM 000
			∢						Φ					(ر					Δ		ш ш

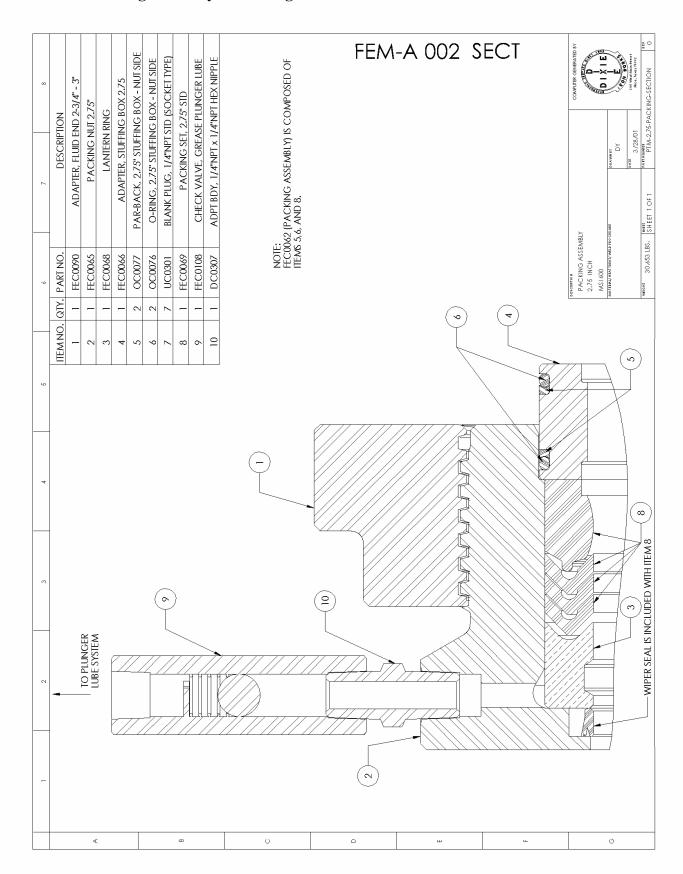
6.10.2 Fluid End Assembly for 3.50, 4.00 & 4.50 Plungers – Exploded View



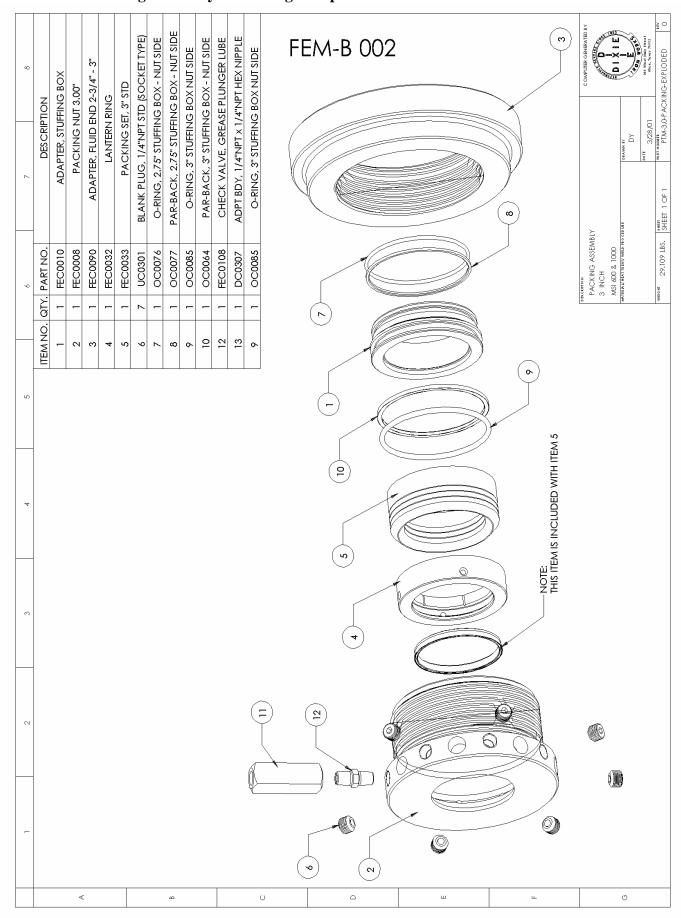
6.20.1 Packing Assembly 2.75 Plunger-Exploded View



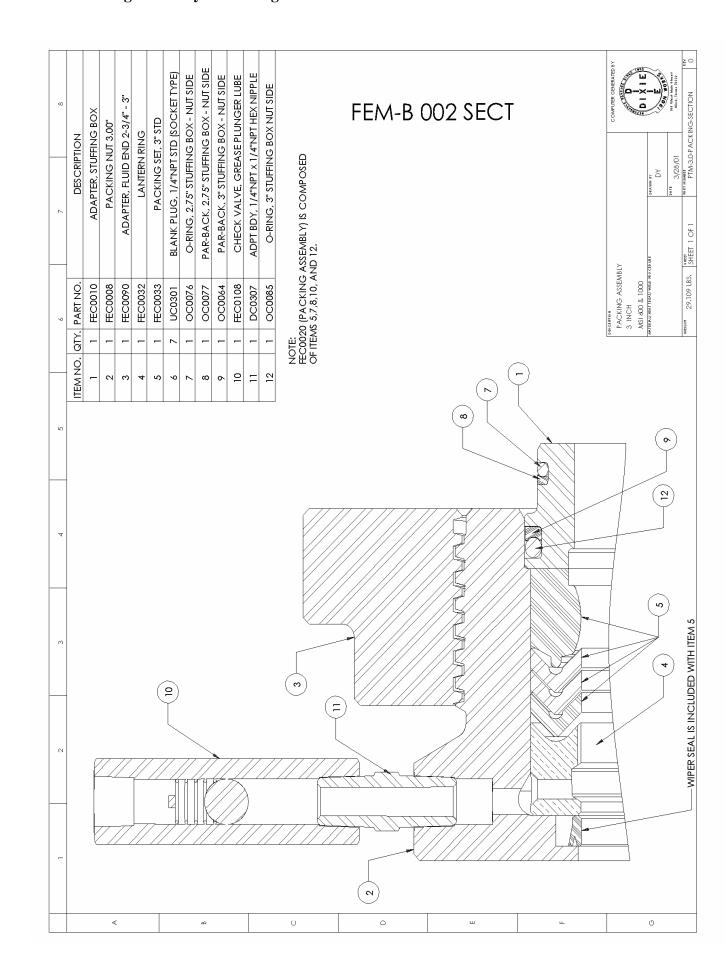
6.20.2 Packing Assembly 2.75 Plunger-Section View



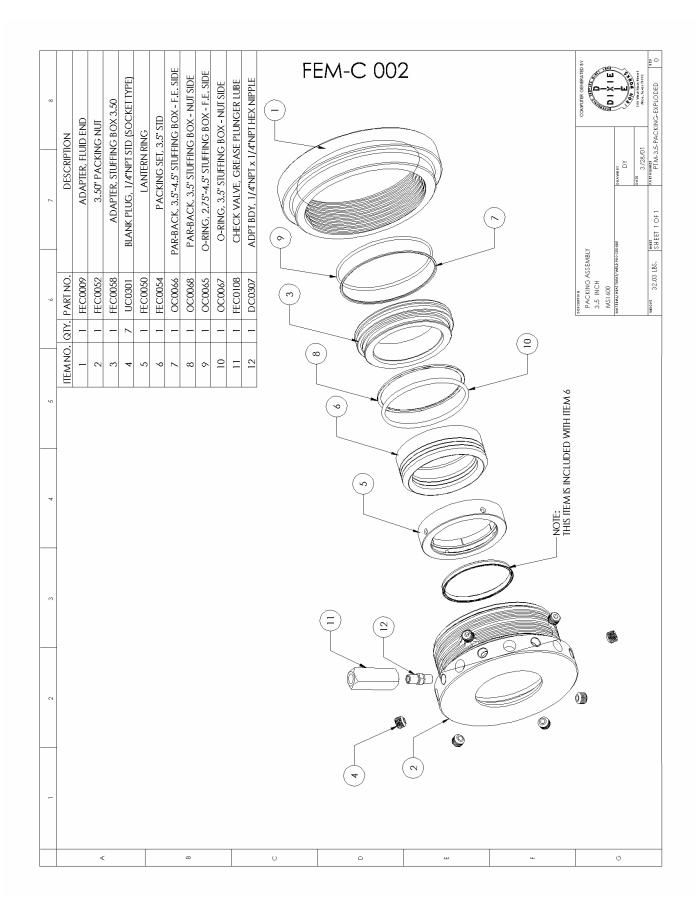
6.20.4 Packing Assembly 3.00 Plunger-Exploded View



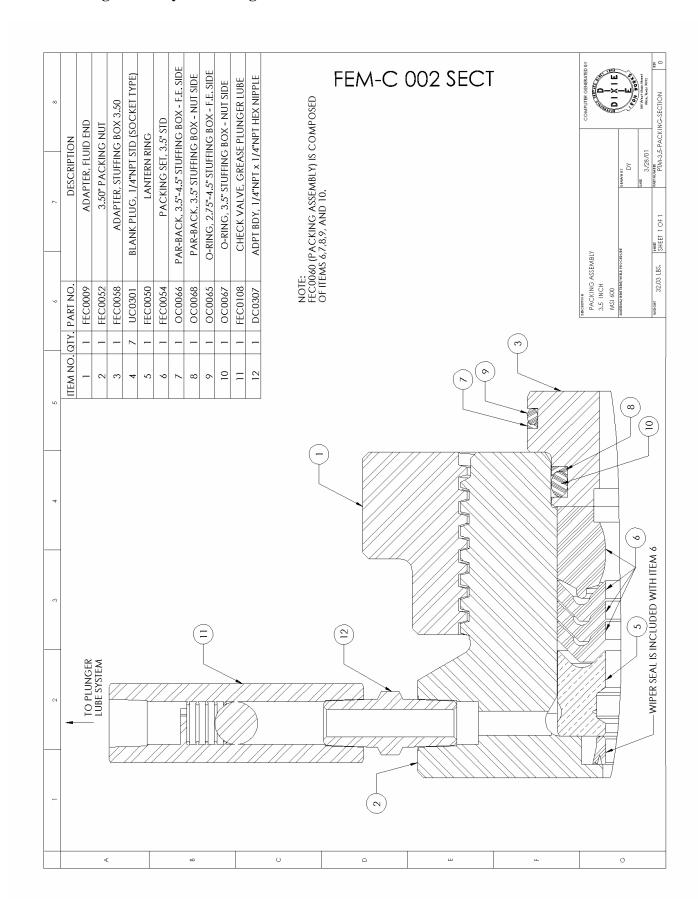
6.20.4 Packing Assembly 3.00 Plunger-Section View



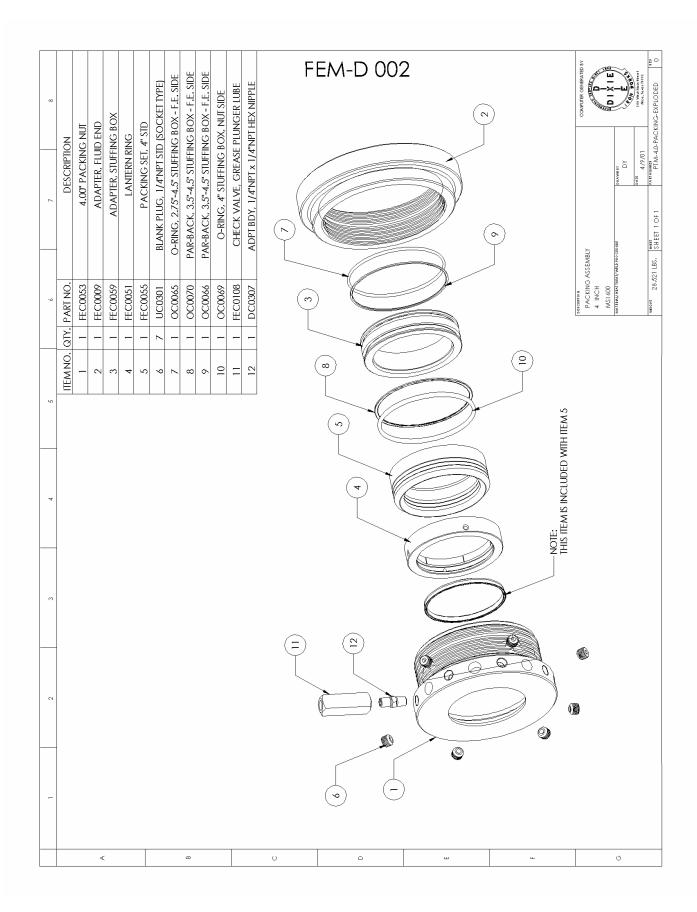
6.20.5 Packing Assembly 3.50 Plunger-Exploded View



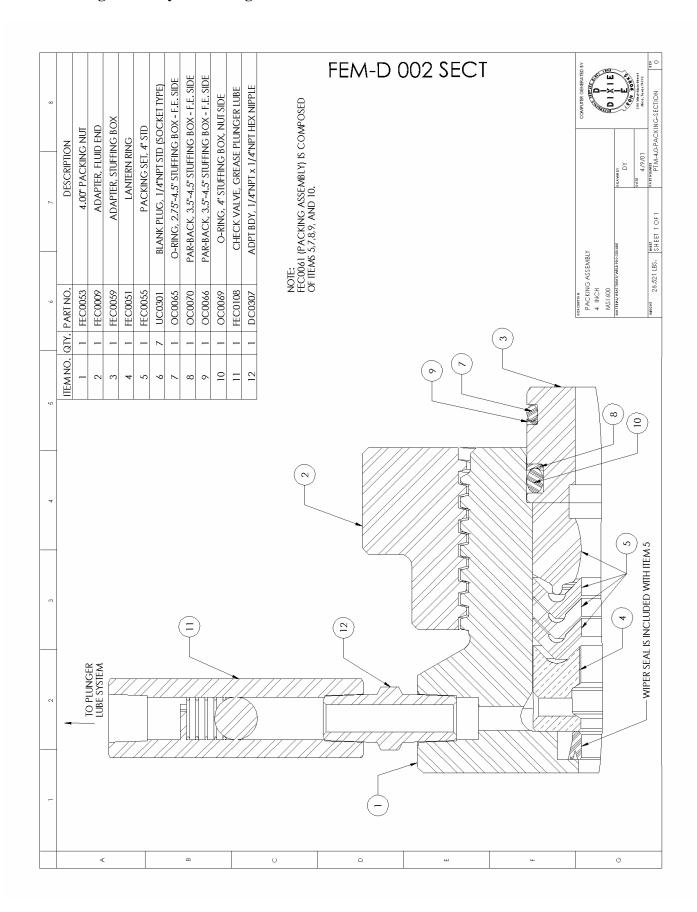
6.20.6 Packing Assembly 3.50 Plunger-Section View



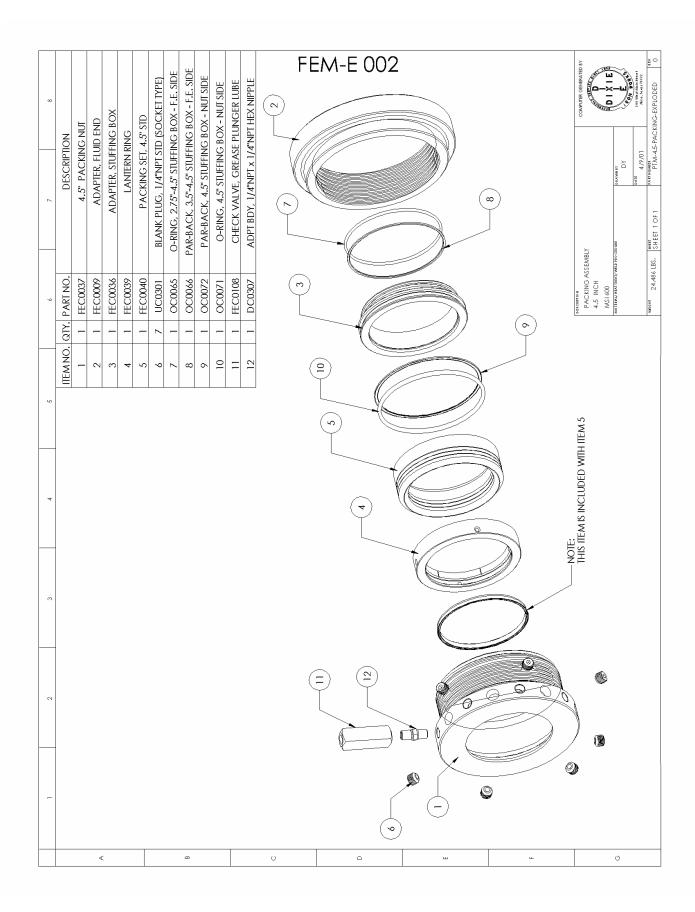
6.20.7 Packing Assembly 4.00 Plunger-Exploded View

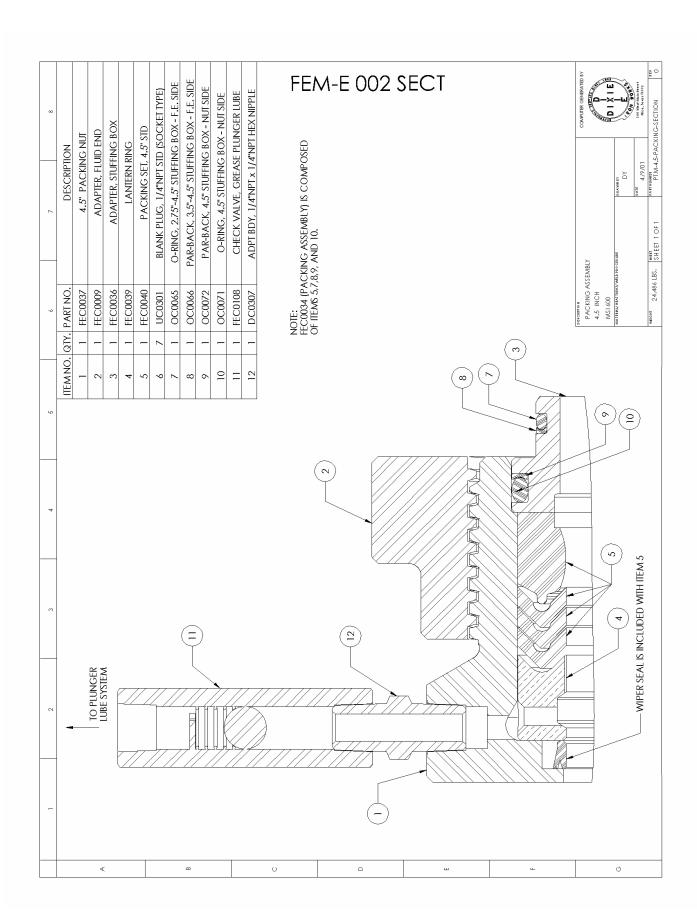


6.20.8 Packing Assembly 4.00 Plunger-Section View

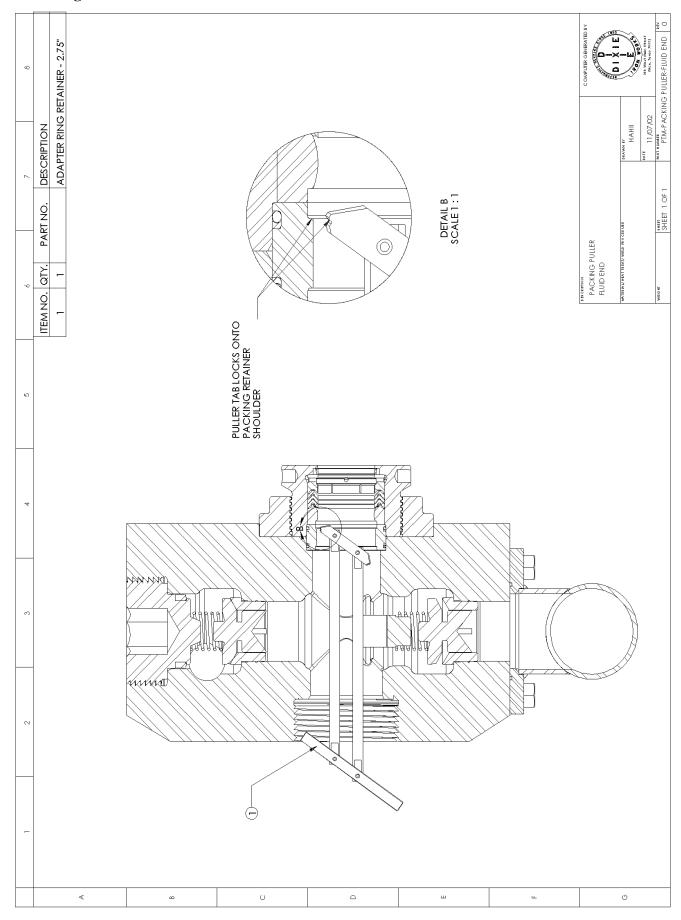


6.20.9 Packing Assembly 4.50 Plunger-Exploded View

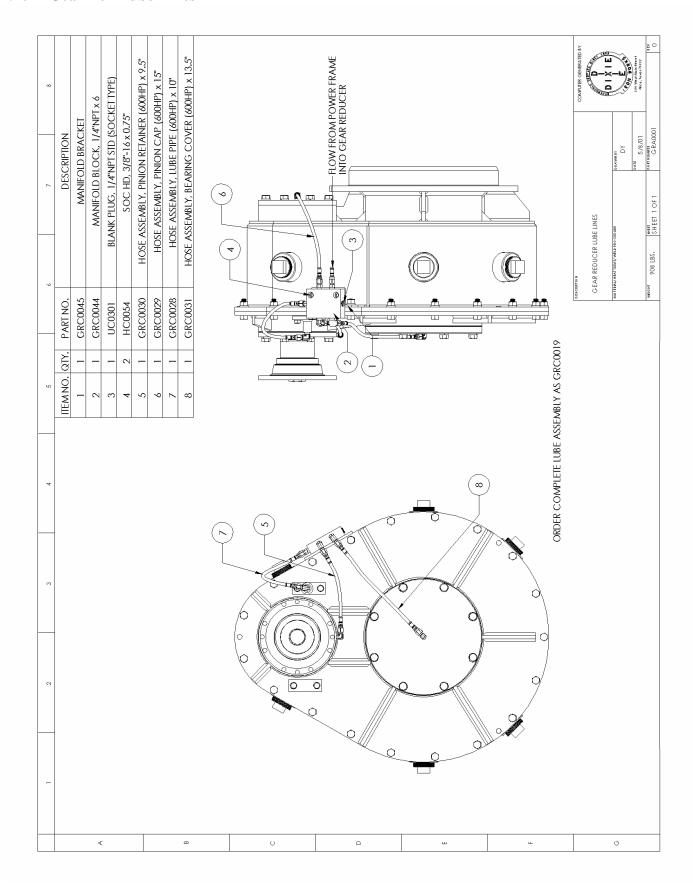




6.31 Packing Tool Remover in Fluid End



7.20 Gear Box Lube Lines



7.30 Gear Box –Exploded View

