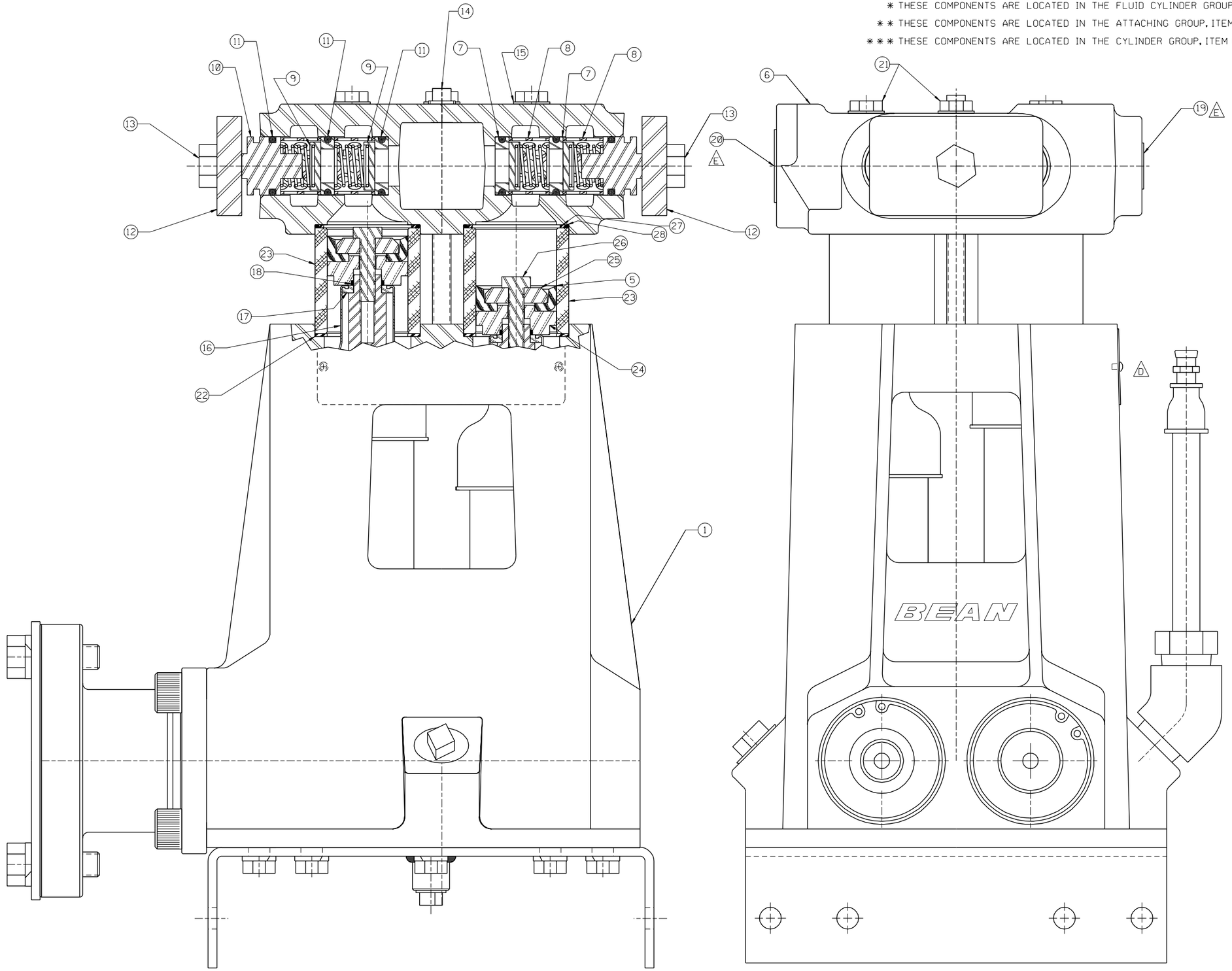


* THESE COMPONENTS ARE LOCATED IN THE FLUID CYLINDER GROUP, ITEM (2)

** THESE COMPONENTS ARE LOCATED IN THE ATTACHING GROUP, ITEM (3)

*** THESE COMPONENTS ARE LOCATED IN THE CYLINDER GROUP, ITEM (4)

	ITEM	NO. REQD	PART NO.	PART NAME
	(1)	1	P510129	POWER END:
	(2)	1	P515135	FLUID CYLINDER GROUP:
	(3)	1	P500362	ATTACHING GROUP:
	(4)	2	P500516	CYLINDER GROUP:
	(5)	4	P500515	CUP: 1⅜" HSN
*	(6)	1	P515134	FLUID CYLINDER:
*	(7)	8	1219615	VALVE SEAT:
*	(8)	8	1219610	CAGE:
*	(9)	8	3266811	DISC & SPRING ASSEMBLY:
*	(10)	4	1219614	VALVE COVER:
*	(11)	12	3264075	O-RING: 1⅜" OD X ⅛" NOM., BUNA-N
*	(12)	2	1255887	VALVE COVER CLAMP:
*	(13)	2	1100064	HEX HD CAP SCREW: ½-13 X 1½" LG.
*	(14)	2	1109987	PLUG: ¼" PIPE
**	(15)	4	P500360	BELLEVILLE WASHER: 7/16
**	(16)	4	1279148	UMBRELLA: BLACK
**	(17)	4	1269388	UMBRELLA WASHER:
**	(18)	4	1101339	O-RING: 11/16" OD X 1/16" NOM., BUNA-N
**	(19)	1	1177200	CAPLUG: INT. 12
**	(20)	1	1177202	CAPLUG: INT. 17S
△D **	(21)	4	P522316	HEX HD CAP SCREW: 7/16-14X5.5" LG, GR8
***	(22)	4	A91684	CYLINDER GASKET:
***	(23)	4	1249654	CERAMIC CYLINDER: 1⅜DIA
***	(24)	4	1282558	PACKING HOLDER:
***	(25)	4	5257217	PACKING WASHER:
***	(26)	4	1284516	HEX HD CAP SCREW: 5/16-18 X 1½" LG.
***	(27)	4	1285170	SEAL RING:
***	(28)	4	1177841	O-RING: 2⅛" OD X 1/16" NOM., BUNA-N

NOTES:

1. TORQUE ITEM 21 TO 55 FT-LBS; ITEM 13 TO 35 FT-LBS
   ITEM 26 TO 10 FT-LBS
2. TEST AT 500 RPM, 1250 PSI
3. RETORQUE ITEM 21 AFTER TEST
4. STAMP NAMEPLATE PER ENGR SPEC AS-21 WITH THE FOLLOWING DATA IN "RATED CONDITIONS" SPACES;
   MODEL NO. - E0411 PART NO. - P515133
   RPM - 614 POWER - 12.1 HP / 9.0 KW
   FLOW - 15 GPM/56.8 LPM MAX PRESSURE - 1250 PSI/8618 KPA
   SERIAL NO. -
5. PAINT PER ENGR SPEC CP-36

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Unless Otherwise Specified:
Remove all burrs & sharp corners .015 R.
All diameters concentric within .010 T.I.R.
Angles ±1/2°
.X ± .1
.XX ± .015
.XXX ± .005
Finish 125 RMS
All dimensions are in inches

FMC EnergySystems

PUMP ASSEMBLY

E0411 W/1-1/4 NPT X ¾ NPT FLUID END, HSN PISTON CUPS, DISC VALVE ASSEMBLIES, W/HYD MTR MOUNTING FLANGE, DW

REV	WAS	ECN	BY	DATE
E	SWITCH BALLOONS	5011575	SJK	02-27-04
D	REV NAMEPLATE	5011174	SJK	01-05-04

RELEASED FOR PRODUCTION					
ECN	DATE	DRAWN	JMW	08-31-01	SCALE: NONE
5005963	09-10-01	CKD.	BKM	08-31-01	SIZE D DRAWING NO. P515133
		APPD.	GG	09-10-01	

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