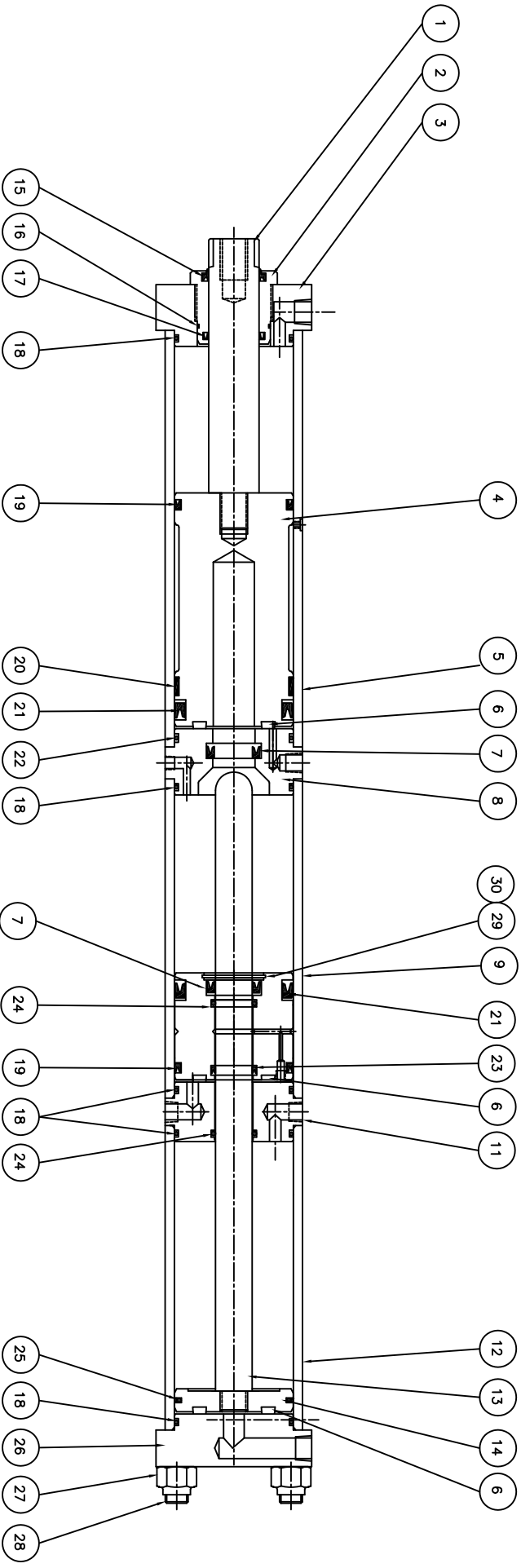


HYPERCYL TONNAGE	THE ROD TORQUE FOOT-POUNDS	THE ROD THREAD
1-TON	22 FT-LBS	3/8"-24
2-TON	22 FT-LBS	3/8"-24
4-TON	80 FT-LBS	5/8"-18
8-TON	80 FT-LBS	5/8"-18
10/15/20-TON	120 FT-LBS	3/4"-16
30/40-TON	400 FT-LBS	1.00"-14
50/60-TON	650 FT-LBS	1.25"-12
75/90/100-TON	750 FT-LBS	1.25"-12
200-TON	1000 FT-LBS	1.25"-12



ITEM NO.	AMT.	DESCRIPTION	ITEM NO.	AMT.	DESCRIPTION	ITEM NO.	AMT.	DESCRIPTION
1	1	E**01-**- / WORK ROD	11	1	E**13 / SEPARATOR BLOCK	21	1	"BLUE" PISTON SEAL
2	1	E**03 / ROD BEARING CARTRIDGE	12	1	E**14-**- / H.P. SECTION TUBE	22	1	"O-RING" #568-***-90
3	1	E**04 / RECTANGULAR WORK HEAD	13	1	E**15-***/** / H.P. ROD	23	1	"BLUE" U-CUP ROD SEAL
4	1	E**06-**- / WORK PISTON	14	1	E**16 / HIGH PRESSURE PISTON	24	2	"O-RING" #NBR-***
5	1	E**05-**- / WORK SECTION TUBE	15	1	ROD WIPER	25	1	THE PISTON SEAL W/ O-RING
6	3	BP-**- / PISTON BUMPER	16	1	"O-RING" #568-***-70	26	1	E**17 / CAP
7	2	"BLUE" U-CUP ROD SEAL	17	1	U-CUP	27	4	*** HEX LOCK NUT, GRADE 8
8	1	E**10 / VALVE BLOCK	18	5	"O-RING" #568-***-70	28	4	E**18-***/**/ TIE RODS
9	1	E**11-**- / RESERVOIR SECTION TUBE	19	3	"BLUE" U-CUP PISTON SEAL	29	1	MCMASTER-CARR SHIM #*****
10	1	E**12 / RESERVOIR PISTON	20	1	WEAR BAND	30	1	MCMASTER-CARR SWAP-RING #*****

HYPERCYL Artes Engineering Company, Inc.
 1500 W. 15th Street
 Tulsa, Oklahoma 74107
 Phone: (918) 589-8855
 Fax: (918) 589-8844

DESCRIPTION: "HP" SERIES HYPERCYL CYLINDER

DATE: 3/31/16
 DRAWN: MAB
 CHECKED: [Signature]

SCALE: [Blank]

WMT - SEE BILL OF MATERIAL
 DMC - "HP" - ** - COMPONENT CALLOUT