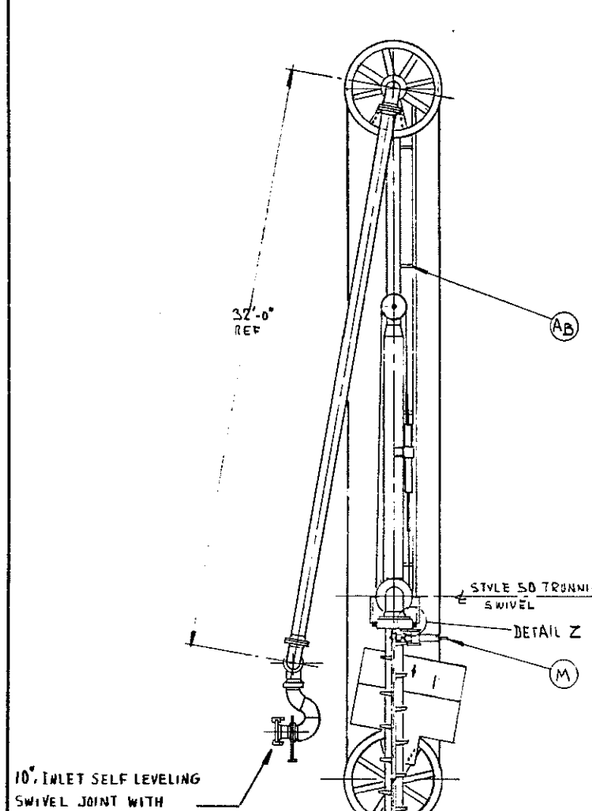
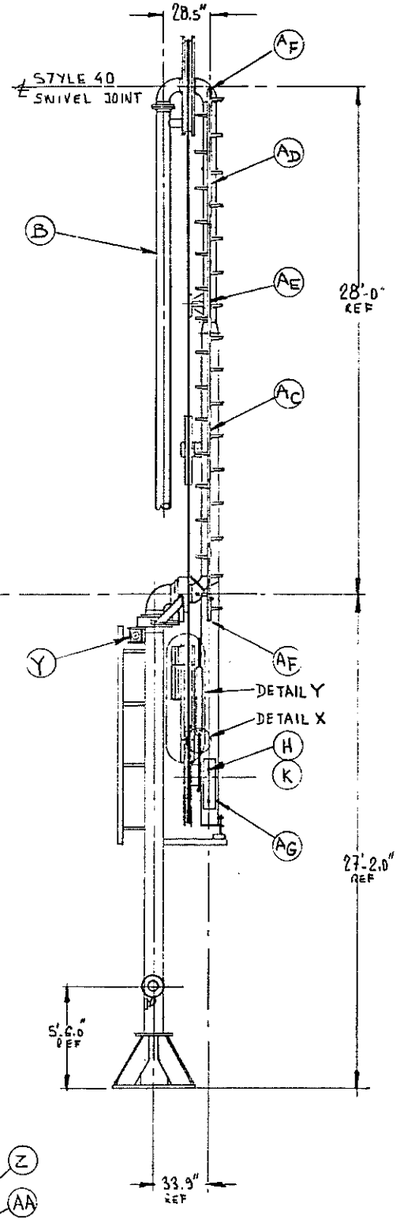
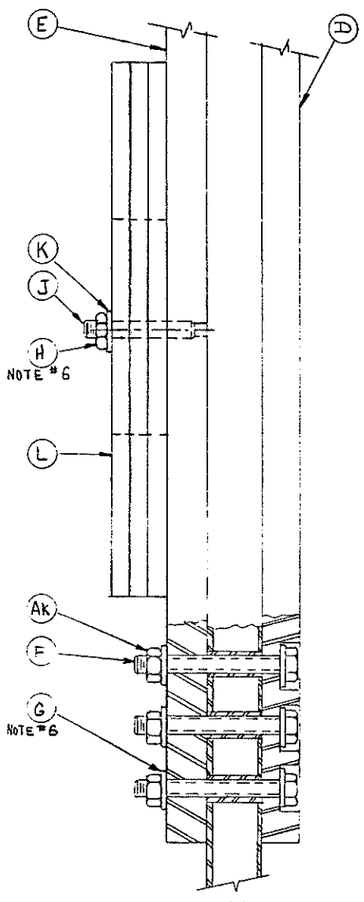
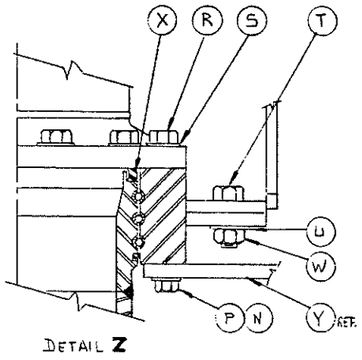






DETAIL Y



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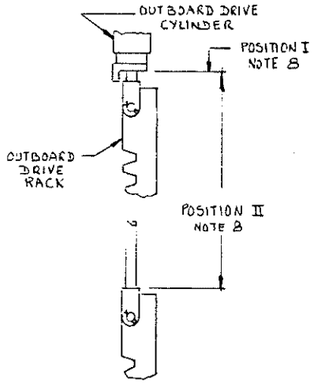
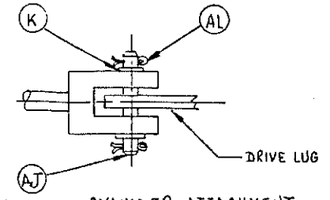
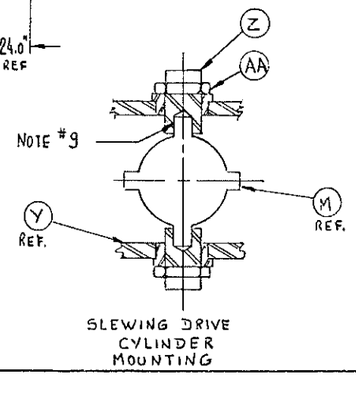


DETAIL X



CYLINDER ATTACHMENT @ HORIZ. DRIVE LUG



SLEWING DRIVE CYLINDER MOUNTING

NOTES:
1. RCMA DENOTES 'ROTARY COUNTERWEIGHT MARINE ARM'.
2. FASTENER FINISHES FMC SPECIFICATION FS-1
3. BASE RISER (ITEM C) TO BE INSTALLED BY INSERTING SHIMS AT BASE TO LEVEL FACE OF COUPLING. (SEE INSTALLATION INSTRUCTIONS)
4. ARM IS BALANCED EMPTY AND MUST BE DRAINED OF PRODUCT BEFORE MOVING TO OR FROM VESSEL. MEANS OF DRAINAGE BY OTHERS.
5. ADD TRIM WEIGHTS (ITEM 'AG') AS REQUIRED FOR INBOARD ARM TO HAVE A SLIGHT TENDENCY TO RETURN TO THE STORED POSITION.
6. TORQUE ITEM "H" TO 250 FOOT POUNDS & THE NUT OF ITEM "F" TO 650 FOOT POUNDS.
7. ASSEMBLY HAS BEEN PAINTED PER 16629-31.
8. RACK & PINION GEAR LOCATIONS:
   POSITION I:
   WITH INBOARD ARM IN THE STORED POSITION (AS SHOWN) THE HYDRAULIC CYLINDER ROD END AND RACK ARE TO BE FULLY RETRACTED WITH ONLY 15/16" OF ROD EXPOSED.
   POSITION II:
   WITH OUTBOARD ARM (AND ROTARY COUNTERWEIGHTS) 90° TO INBOARD ARM, THE AMOUNT OF EXPOSED CYLINDER ROD ON THE RACK END IS TO BE 15 15/32", ± 3/16"
9. LUBRICATE CYLINDER TRUNNION PINS AT TIME OF ASSEMBLY WITH FMC # 3115574 (#7) GREASE.

ITEM	REQUIRED	PART NUMBER	DESCRIPTION MATERIAL AND SPECIFICATION (ALL PURCHASED PARTS AS SPECIFIED OR EQUAL)	EST. WEIGHT
AP	1	16629-26A	STRIPPING LINE DETAIL	97
AN	1	16629-27A	HYD. TUBING DETAIL VACUUM BREAKER	31
AM	1	16629-28A	TRAVEL LIMIT ALARM	—
AL	2	3226777	PIN-COTTER, 1/4" DIA. x 2". STL.	—
AK	6	3243831	NUT, HEX, 1"-8NC, A 325, STL	—
AJ	1	3125245	PIN, CYLINDER, 1" DIA, x 3 1/4" LG., STL.	1
AH	1	16629-29A	TUBING DETAIL ON ARM	—
AG	7	N100984	TRIM WEIGHT, FIXED, STL.	826
AF	1	N100383	FIXEL LOCK, STAINLESS STEEL	—
AE	3	N100374	RAIL SPLICE CONNECTOR, SST.	—
AD	2	N100982	LADDER SECTION W/CUT-OUTS, 2.8M	70
AC	1	N100973	LADDER SECTION, 2.8M. STL., GALVR.	33
AB	6	N100972	LADDER CLAMP W/SET SCREW, STL. GALV.	12
AA	2	3238919	NUT-JAM, HEX. 2"-4 1/2 UNC. STL.	1
Z	2	3103480	SCREW-ADJUSTMENT, STEEL	6
Y	1	16487-8A	MTG. BRK'T. HORIZ CYLINDER. STL.	86
X	1	3115389	PACKING-12" LPS (HH/SST)	—
W	8	3155678	NUT-REG, HEX, 1 1/4"-7, STL.	5
U	8	3239763	WASHER. ASA NARROW, 1 1/4". STL.	1
T	8	3152047	BOLT-REG. HEX. HD., 1 1/4"-7x4", STL.	17
S	12	3239761	WASHER-ASA NARROW, 7/8". STL.	—
R	12	3238152	SCREW-CAP, HEX. HD., 7/8"-9x2 1/2" STL	8
P	4	3238957	WASHER-ASA NARROW, 3/4". STL.	—
N	4	3238916	SCREW-CAP HEX. HD., 3/4"-10x2", STL.	2
M	1	3155552	CYLINDER-HYDRAULIC, 3 1/2"x17". STL.	86
L	5	16600-63G	TRIM WEIGHT-ROTARY, STEEL	835
K	8	3238984	WASHER-ASA WIDE, 1". STEEL	2
J	2	3140117	STUD BOLT, 1"-8x5" STEEL	2
H	6	3239697	NUT-HVY. HEX. 1"-8. STEEL	3
G	12	3154090	WASHER-ASA, 1", A325 STL.	2
F	6	N101449	BOLT -HEX. HD., 1"-8x10 1/2" A325 STL.	16
E	1	16629-61A	COUNTERWEIGHT, SECONDARY, STEEL	4855
D	1	16629-62A	COUNTERWEIGHT, MAIN, STEEL	2158
C	1	16629-4A	RISER ASSEMBLY	4511
B	1	16629-203A	ARM ASSEMBLY	7704
A	1		MECHANICAL ASSEMBLY	21433

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REVISIONS (SEE ENGINEERING CHANGE NOTICE): DATE 4-11-93 | BY GLL | CHK'D | APPR'D MAC

DIMENSION TOLERANCES EXCEPT AS SPECIFIED: FRACTIONAL ± ; ANGULAR ± ; DEC. X ± , XX ± , XXX ± ; MACH. SURFACES BREAK ALL SHARP CORNERS ; FINISH

FMC Corporation, Fluid Control Division, Yreka California 96097

MECHANICAL ASSEMBLY
10" x 60'-0" FULLY POWERED
RCMA
RIGHT HAND, INLET STYLE 80

REF. | NEXT ASSY. 16629-1 | DRAWN DUBSKI JC | SCALE NONE | CHK'D | DATE 4-20-93 | APPR'D MAC | SHEET 202

16629 | SHEET 202

DIETZGEN-POST CLEARPRINT 330CH-8