



APPROVAL OF DESIGN
 BY: A. FILIDORE DATE: 9-18-98
 ONCE THIS DRAWING IS SIGNED (APPROVED) AND RECEIVED BACK TO RUBBER ENGINEERING, ENGINEERING WILL COMPLETE DESIGN THEN MANUFACTURING OF COMPONENTS WILL PROCEED. (A FAXED COPY WOULD BE SUFFICIENT)
 ROBERT FINLINSON - R.E. ENGINEERING DEPT.

1/4" THK. RUBBER BACKING SUPPLIED BY OTHERS

HWD. SUPPLIED BY FFE MINERALS

R.108 (Ø216) W/O 1/4" BACKING

- NOTE:**
- MILL TO BE STAMPED "RUBBER LINED - NO WELDING OR BURNING".
 - 1 1/2" HEAVY HEX NUTS TO BE TORQUED TO 1820 FT./LBS. AND THEN CHECKED AFTER 2 HOURS (APPROX.) MILL OPERATION.
 - SOME CUTTING OF RUBBER PIECES MAY BE REQUIRED IN THE FIELD DURING INSTALLATION TO INSURE PROPER FIT.
 - ITEMS #15 & #38 TO BE USED TO FILL VOIDS & GAPS.
 - ADDITIONAL SHELL PLATE LENGTH IS RECOMMENDED TO INSURE PROPER FIT AND WEAR LIFE.
 - (2) EXTRA ITEMS ADDED FOR CONVENIENCE.
 - (8) EXTRA ITEMS ADDED FOR CONVENIENCE.
 - (4) EXTRA ITEMS ADDED FOR CONVENIENCE.
 - SEAMS OF FILLING SEGMENT TO BE IN LINE W/ LIFTER BARS
 - TOTAL GRATE OPEN AREA = 1150 IN SQ. FOR APPROX. 585 mton/hr.

ITEM #	QTY.	PART No.	DESCRIPTION	MARK No.
1	8	93491	TRUNNION RING	R-57-0373-1-02
2	16	96413	INNER HEAD PLATE	R-54-0690-4
3	16	96414	OUTER HEAD PLATE	R-54-0691-4
4	16	1718-0-01	INNER LIFTER BAR	1718-0-01
6	16	1718-0-02	OUTER LIFTER BAR (HIGH)	1718-0-02
7	16	96415	INNER BAR SUPPORT, STEEL	R-74-0472-3-01
8	16	96416	OUTER BAR SUPPORT, STEEL	R-74-0472-3-02
9	16	96417	FEED FILLING SEGMENT	R-56-0530-2
10	*66	96418	#1 1/2 OVAL BOLT X 11" LG.	R-61-0228-4-01
11	*66	96419	#1 1/2 SEAL WASHER	R-67-0267-4
12	*66	96420	#1 1/2 CUP WASHER	R-68-0116-4
13	*66	96439	#1 1/2 LOCK NUT	N/A
14	*40	33698	#1 1/2 RUBBER PLUG	R-67-0009-3-85
15	5 TUBES	84252	6100 BLK GOOP, ADHESIVE	N/A
39	32	96485	SHELL PLATE 47 LG.	R-52-0678-4-02
16	32	96421	SHELL PLATE 55 LG.	R-52-0678-4-01
17	16	1718-2-03	FEED END LIFTER BAR (LOW)	1718-2-03
18	16	1718-2-04	DISCH. END LIFTER BAR (LOW)	1718-2-04
19	16	1718-2-01	FEED END LIFTER BAR (HIGH)	1718-2-01
20	16	1718-2-02	DISCH. END LIFTER BAR (HIGH)	1718-2-02
21	32	96422	FEED END BAR SUPPORT, STL	R-74-0472-3-03
22	32	96423	DISCH. END BAR SUPPORT, STL	R-74-0472-3-04
23	**200	96424	#1 1/2 OVAL BOLT X 8 1/2"	R-61-0228-4-02
11	**200	96419	#1 1/2 SEAL WASHER	R-67-0267-4
12	**200	96420	#1 1/2 CUP WASHER	R-68-0116-4
13	**200	96439	#1 1/2 LOCK NUT	N/A
24	16	96425	INNER GRATE PLATE	R-55-0214-4
25	16	96426	OUTER GRATE PLATE ASS'Y	R-55-0214-2
26	16	1718-1-01	INNER LIFTER BAR	1718-1-01
29	16	1718-1-02	OUTER LIFTER BAR (HIGH)	1718-1-02
29	16	96427	INNER BAR SUPPORT, STEEL	R-74-0472-3-05
30	16	96428	OUTER BAR SUPPORT, STEEL	R-74-0472-3-06
31	16	96429	DISCH. FILLING SEGMENT	R-56-0531-2
32	60 FT	96430	PULP SUPPORT SEGMENT	R-56-0532-2

ITEM #	QTY.	PART No.	DESCRIPTION	MARK No.
33	*66	96431	#1 1/2 OVAL BOLT X 23 1/2"	R-61-0228-4-03
11	**100	96419	#1 1/2 SEAL WASHER	R-67-0267-4
12	**100	96420	#1 1/2 CUP WASHER	R-68-0116-4
13	**100	96439	#1 1/2 LOCK NUT	N/A
34	*34	96438	#1 1/2 HEX HD BOLT X 19"	N/A
35	16	96432	INNER PULP DISCH	R-59-0446-1
36	16	96433	OUTER PULP DISCHARGER	R-59-0450-1
37	8	93492	PULP DISCH. CONE LINER	R-59-0453-1
15	5 TUBES	84252	6100 BLK GOOP, ADHESIVE	N/A
38	150 FT	92321	ROUND EXTRUSION	N/A

FFE MINERALS
 DWG. # 6.501391, REV 2
 AGRIMUM INC.
 KAPUSKASING PHOSPHATE ROCK PROJECT
 PROJECT # 4066-15
 P.O. # P-8012
 EQUIP. # 24-ML-001 SAG MILL

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 MACHINED SURFACES TOLERANCES
 .X ±.06
 .XX ±.03
 .XXX ±.010
 FRACTIONAL ±1/16
 ANGULAR ±0°-30'

EnviroTech
 PUMPSYSTEMS
 A Wear Group company
RUBBER ENGINEERING
 3459 SOUTH 700 WEST
 SALT LAKE CITY, UTAH, USA

MILL ASSEMBLY FOR
 18' X 10'-6" SAG MILL
 FULLER - KAPUSKASING
 (ONTARIO - CANADA)

CAD No. r490752M.dwg SHEET 1 OF 1 PART NO.
 SCALE: 1:16 SIZE: 11.615 X 16.515
 DRAWN BY: ReFINLINSON DATE: 23JUL98
 CHECKED: NH DATE: 23JUL98
 APPROVED: ReF DATE: 23JUL98

D R-49-0752-M B

NO.	BY	DATE	CHK'D	LCL ECH	INT'L ECH	DESCRIPTION
B	ReF	AUG	NH			CHG'S PER FULLERS REQUEST

NO.	BY	DATE	CHK'D	LCL ECH	INT'L ECH	DESCRIPTION
6						

NO.	BY	DATE	CHK'D	LCL ECH	INT'L ECH	DESCRIPTION
4						

NO.	BY	DATE	CHK'D	LCL ECH	INT'L ECH	DESCRIPTION
3						

NO.	BY	DATE	CHK'D	LCL ECH	INT'L ECH	DESCRIPTION
2						

DRAWING NO. R-49-0752-M