

4/20/82 A2J89-1
(DATE) (LOT NUMBER)

EST. WT. 1962* LBS.

TYPED BY: JMH
STANDARD HRS. _____

TIME 11 P M

PUNCH B.I.P.: LOT-----1 981#
LOT-----2 981#

PREPARATION NOTES:

EQUIP MENT		NAME: MONASTRAL RED B	5 PAGES	USE LBS	N-CODE	ACCT LBS
PREP	1	INSTALL TEMP & AMP CHARTS				
1	2	WEIGH +/-600# OF RC-1/RC-3 BORAX SLUDGE FOR S5				
	3	DIP LIQUID FROM SLUDGE & ADD TO CLASSIFIER INTAKE.				
	4	OBTAIN +/-200# CHOPPED ICE FOR S13-B				
HF MILL	5	SHOVEL 600# OF BORAX SLUDGE (EQUIVALENT TO +/-300# 100% BRODAX) INTO HF MILL. NOTE:				
2		TOTAL WEIGHT INCLUDES LIQUID REMOVED IN S3.				
	6	ADD		18	834-B	0
	7	START COOLING WATER SPRAY & AGITATOR				
	8	STIR 3-5 MIN TO UNIFORMITY				
	9	STOP AGITATOR & DUMP IN. NOTE: RECORD LOT, #100%, & "AS IS LBS" IN S35.		100	7500-A	0
	10	STIR 3-5 MIN TO UNIFORMITY				
	11	ADD IN 5-10 MIN WHILE AGITATING		300	972-A	0
	12	IMMEDIATELY START MILLING CYCLE				
	13	STIR FOR HOURS SHOWN BELOW MAINTAINING 38-42 AMPS & 110-130 DEG F.				
		N-7500-A LOT	MILLING HOURS			
		<u>ANY</u>	<u>6 HRS</u>			
		A. AFTER 1/2 HR MILLING ADD N-972-A OR TRICKLE IN WATER TO MAINTAIN 38-42 AMPS. DO NOT ADD N-972-A AT LESS THAN 10 MIN INTERVALS. RECORD ADDITIONAL N-972-A USED IN S35.				
		B. IF NECESSARY, ADD N-57-A TO MAINTAIN 110-130 DEG F.				
		C. IF CAKE FORMS, STOP AGITATOR, SCRAPE MILL WALL TO PERMIT HEAT TRANSFER.				
		D. RECORD NECESSARY DATA IN S19, 20, 35 AND PAGE 5.				

18 changes

FEB 11 1982

18 charges

FEB 11 1982

(Le)

EQUIP MENT		PAGE 2 OF 5 CG 16 CODE RT-763-P (I)	USE LBS	N-CODE	ACCT LBS
CLASS 3	14	DURING S13 STIR, HOOK UP LINES FROM DORR CLASSIFIER TO V-10. NOTE: FEED VALVE MUST BE CLOSED.			
	15	OBTAIN TWO 55 GAL. DRUMS FOR S27.			
SHRIV 4	16	SET UP 20 PLATES EACH IN NO. 1 & NO. 2 SHRIVER THICKENERS			
HF MILL 5	17	ADD 5-10 GAL. WATER TO HF MILL. CAUTION: TOO MUCH WATER WILL CAUSE CHARGE TO SPLASH OVER EDGE OF MILL.			
	18	STOP AGITATOR & TURN OFF COOLING WATER.			
MISC 6	19	RECORD:			
		CHG # DATE START TIME START DATE FIN TIME FIN TOTAL MILL HRS			
		1 1/24/82 5:30PM 1/24/82 11:30PM 6 HRS			
		2 1/26/82 5:30PM 1/26/82 11:30PM 6 HRS			
		3 1-26-82 1:30 AM 1-27-82 7:30 AM 6 HRS			
		4 1-26-82 1:30 AM 1-27-82 7:30 AM 6 HRS			
		5 1-27-82 11:00 AM 1-27-82 5:00 PM 6 HRS			
		6 1-27-82 11:00 AM 1-27-82 5:00 PM 6 HRS			
		7 1/27/82 9:30 PM 1/28/82 3:30 AM 6 HRS			
		8 1/27/82 9:30 PM 1/28/82 3:30 AM 6 HRS			
		9 1-28-82 6:15 AM 1-28-82 12:15 PM 6 HRS			
		10 1-28-82 6:15 AM 1-28-82 12:15 PM 6 HRS			
		11 1/28/82 4:00 PM 1/28/82 10:00 PM 6 HRS			
		12 1/28/82 4:10 PM 1/28/82 10:10 PM 6 HRS			
		13 1-28-82 1:15 AM 1-29-82 7:15 AM 6 HRS			
		14 1-28-82 1:15 AM 1-29-82 7:15 AM 6 HRS			
	20	RECORD ACCURACY ONCE PER SHIFT WHILE MILLING:			
		CHG DATE TIME NO. AM- METER AMPS RE- CORDER AMPS HT RECORD *F *F			
		15 1/29/82 5:45 PM 1/29/82 11:45 PM 6 HRS			
		16 1/29/82 5:45 PM 1/29/82 11:45 PM 6 HRS			
		17 2-1-82 9:45 AM 2-1-82 3:45 PM 6 HRS			
		18 2-1-82 9:45 AM 2-1-82 3:45 PM 6 HRS			
SV-11 7	21	ADD 10" (122G) WATER TO V-11			
	22	HEAT TO 140-150 DEG F FOR S24			

EQUIPMENT		PAGE 3 OF 5 CG 16 CODE RT-763-P (I)				USE LBS	N-IDE	ACCT LBS
13/14	23	PUMP 2 CHARGES FROM HF MILLS TO V13 OR V14						
8	24	WASH OUT HF MILLS, WITH HEATED WATER FROM V11						
	25	ADJ TO 24" (408G) AT 140-150 DEG F						
	26	IMMEDIATELY COOL TO 75-80 DEG F				6X330	57-A	0
	27	RECORD DATE ON BOTTOM OF PAGE 5						
CLASS		28 BACK WASH LINES FROM CLASSIFIERS TO V-13 OR V-14						
9	29	PLACE 55 GAL DRUM UNDER SLUDGE DISCHARGE & START MOTOR						
	30	OPEN INLET VALVE & RUN V-13 OR V-14 THRU CLASSIFIER TO V-10 AT 2.5-3.0 GPM						
	31	WHEN DRUM CONTAINS +/-45G OF SLUDGE, CHANGE DRUM, WEIGH & RECORD IN TABLE ON BOTTOM OF PAGE 5						
	32	WHEN V-13 OR V-14 IS MT, CLOSE FEED VALVE & BACKWASH LINE TO VAT FOR 1/2 MIN.						
	33	OPEN FEED VALVE & DRAIN VAT TO CLASSIFIER, DO NOT WASH IN VAT. NOTE: 4 OR FEWER HF MILL CHARGES MAY BE RUN FROM V-13 OR V-14 TO V-9 OR V-10, WITHOUT TREATMENT OR CLASSIFICATION. RECORD: CHARGE NO. -----						
MISC		134 REPEAT S'S 1-33 UNTIL 14 CHARGES ARE COLLECTED. *****CAUTION***** AFTER 9TH CHARGE WATCH VOLUME IN V-10.						
10								
		*****CONTINUE TO NEXT PAGE FOR CHART*****						

EQUIP MENT	PAGE 4 OF 5	CG 16	CODE RT-763-P	(I)	USE LBS	N-CODE	ACCT LBS
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MISC 11	35	CHARGE OUT RAW MATERIALS BELOW
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		RECORD		SLUDGE		N		N-7500-A			
		#	#	#	#	#	#	#	#		
CHG	MILL	N834	AS	IS	100%	LOT	100%	%	IS	N57A	OPTR
NO.	NO.	#	#	#	#	#	#	#	#	#	#
1	1	18	600	300	300	7640	100	98.0	100	2310	69
2	2	18	600	300	300	7640	100	98.0	100	2310	69
3	1	18	600	300	300	7640	100	98.0	100	2310	105
4	2	18	600	300	300	7640	100	98.0	100	2310	105
5	1	18	600	300	300	7647	100	99.0	100	2310	196
6	2	18	600	300	300	7647	100	99.0	100	2310	196
7	1	18	600	300	300	7647	100	99.0	100	2310	69
8	2	18	600	300	300	7647	100	99.0	100	2310	69
9	1	18	600	300	300	7640	100	99.0	100	2310	58
10	2	18	600	300	300	7647	100	99.0	100	2310	58
11	1	18	600	300	300	7640	100	99.0	100	2310	69
12	2	18	600	300	300	7640	100	99.0	100	2310	69
13	1	18	600	300	300	7647	100	99.0	100	2310	105
14	2	18	600	300	300	7647	100	99.0	100	2310	105
15	1	18	600	300	300	7647	100	99.0	100	2310	69
16	2	18	600	300	300	7647	100	99.0	100	2310	69
17	1	18	600	300	300	7647	100	99.0	100	2310	166
18	2	18	600	300	300	7647	100	99.0	100	2310	166
TOT		324				5400		1808		41580	

972-A

5400

834-B

324

7500-A

1808

57-A

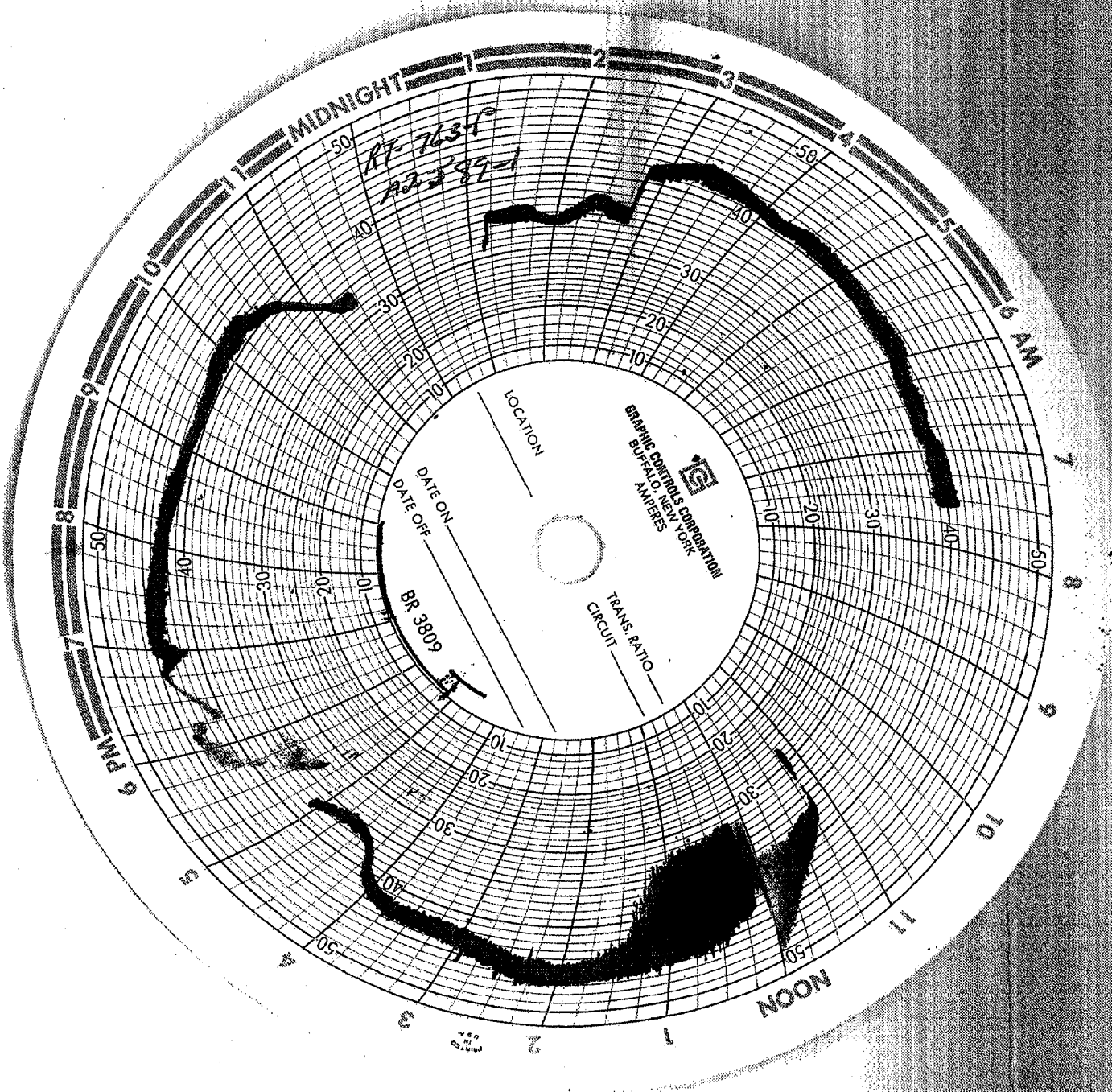
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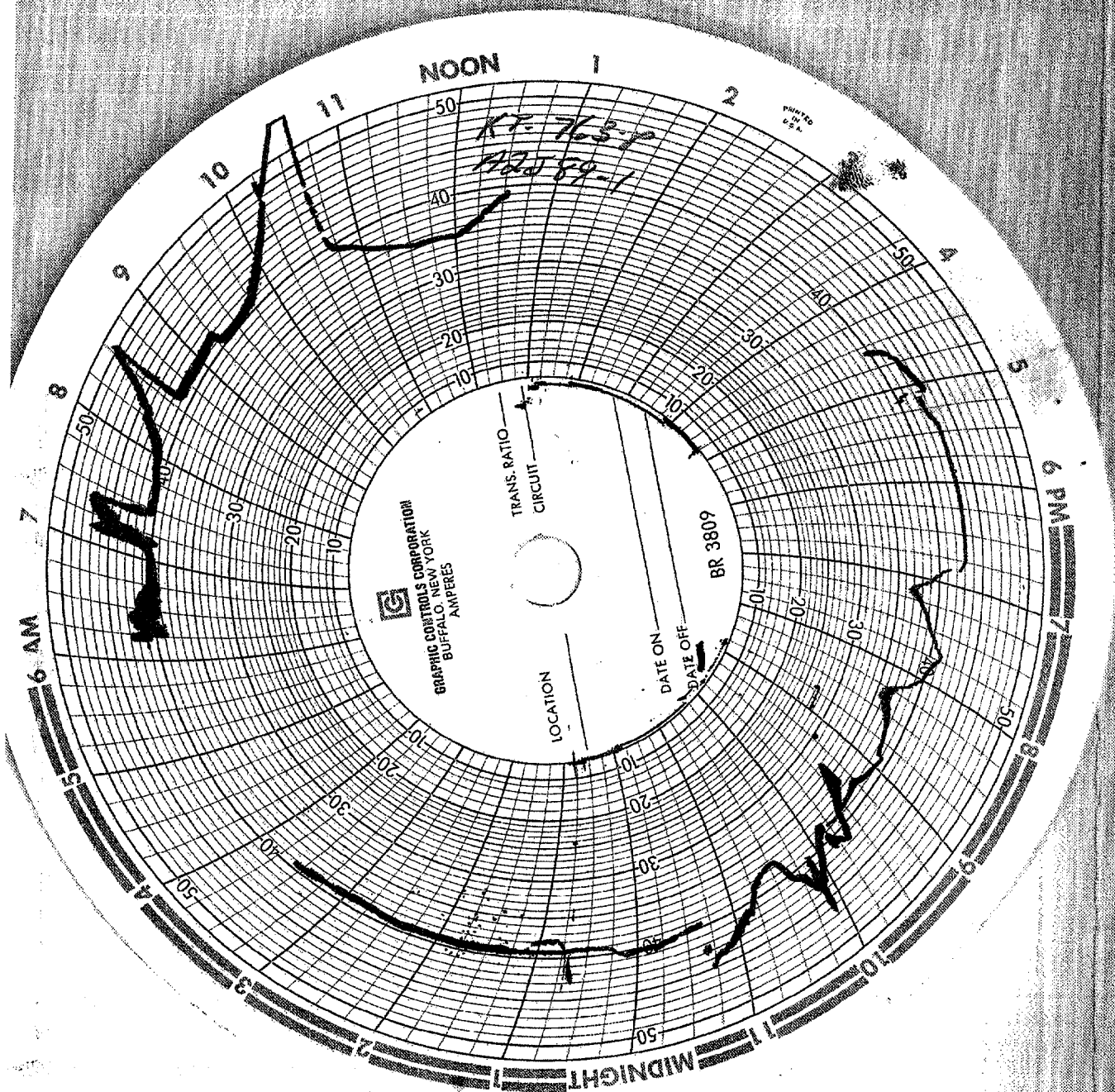
36	ENTER RAW MATERIAL TOTALS IN "ACCT LBS" COLUMN
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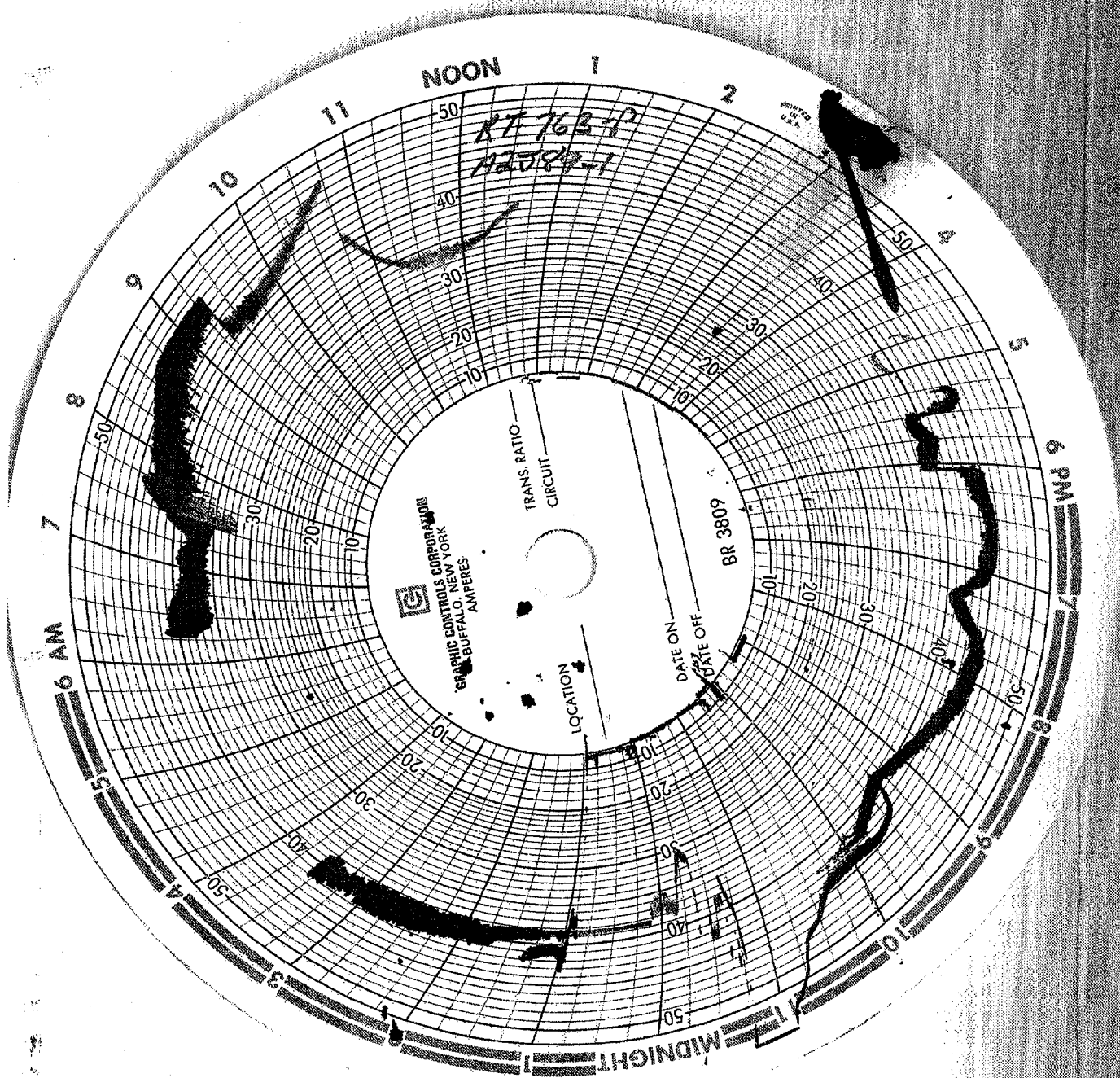
V-10	137	HEAT V-10 TO 150-160 DEG F
12		

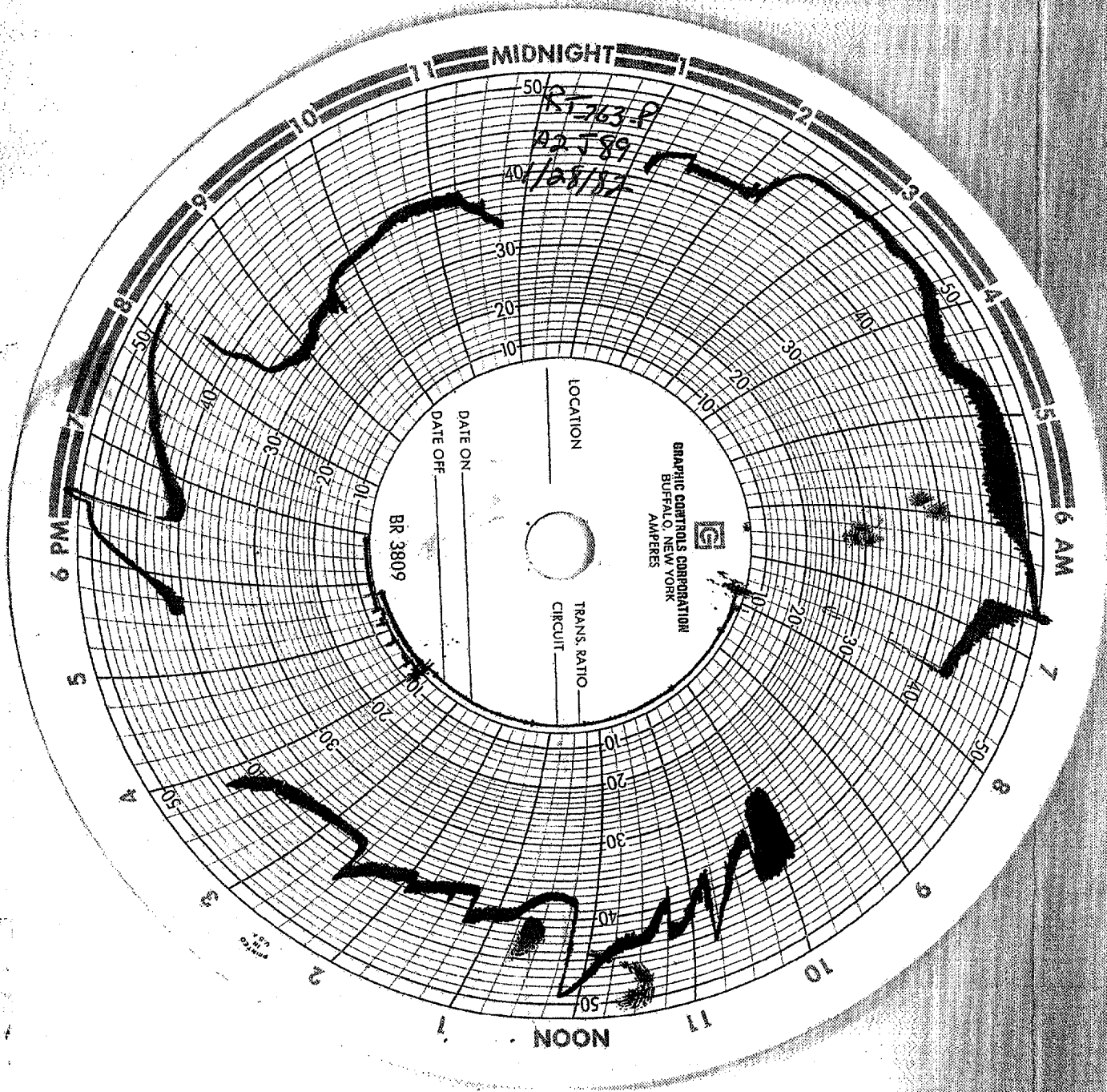
V-9	138	PUMP V-10 TO V-9 CAUTION DO NOT OVERFLOW V9
13	139	START AGITATOR
	140	ADJ TO +/-50" MAINTAINING 150-160 DEG F
	141	RINSE IN V-10 & V-10 LINES
	142	CIRCULATE THRU SHRIVER THICKENERS TO 50" (2220G) AT 150-160 DEG F
	143	RECORD: START DATE <u>2/4/82</u> TIME <u>11:30 AM</u> VOL <u>50</u>
	144	CIRCULATE UNTIL EFFLUENT REACHES 4000 OHMS
	145	RECORD: FINISH DATE <u>2/10/82</u> TIME <u>8:30 PM</u>
		OHMS <u>4000</u> PH <u>(8.4-9.0)</u>
		TIME <u>2 PM</u> <u>8:30 PM</u>
		OHMS <u>300</u> <u>3500</u>
		TIME <u>2:30 PM</u> <u>8:30 PM</u>
		OHMS <u>3000</u> <u>4000</u>
		NOTE: AFTER 16 HRS WASHING TAKE OHM READINGS EVERY 4 HRS
	146	SHUT OFF WATER & STOP CIRCULATION PUMP

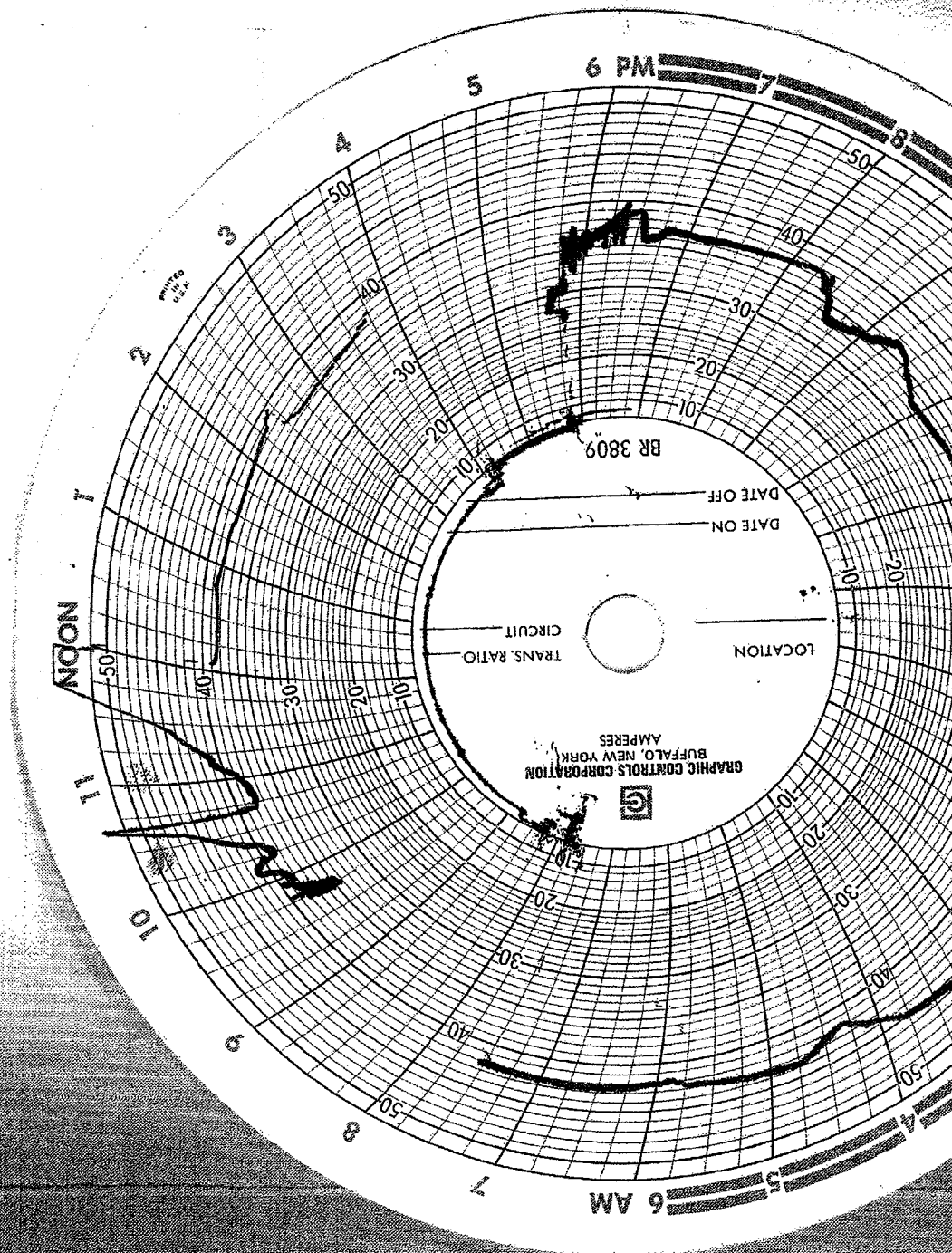
EQUIP MENT		PAGE 5 OF 5 CG 16 CODE RT-763-P (I)	USE LBS	N-CODE	ACCT LBS
V-201 14	47 48	PUMP V-9 TO V-201 WASH IN V-9 WITH MIN AMOUNT OF WATER			
V-9 15	49 50 51	RUN 10" (450G) WATER INTO V-9 HEAT TO 158-162 DEG F RECIRCULATE THRU SHRIVER THICKENERS FOR 15 MIN OR UNTIL EFFLUENT IS CLEAR			
201 16	52	ADD & STIR 10 MIN TO DISSOLVE	314	707-B	314
304 17	53 54	RUN 30" (366G) WATER INTO V-304 & TURN ON AGITATOR ADD & STIR TO DISSOLVE FOR 555	206	3-A	206
201 18	55 56 57	RUN V-304 INTO V-201 IN 5-10 MIN STIR 10 MIN & RECORD: PH <u>8.2</u> (8.3-8.9) FLOOD TO 88" (5210G) & STOP AGITATOR			
		START <u>9:30</u>	FIN <u>11:00</u>	OPTR <u>3.22</u>	
CHG NO.	VAT	VOLUME INIT FINAL	FINAL TEMP	N-57 USED	SLUDGE CLASS
1&2					
3&4					
5&6					
7&8					
9&10					
11&12					
13&14					

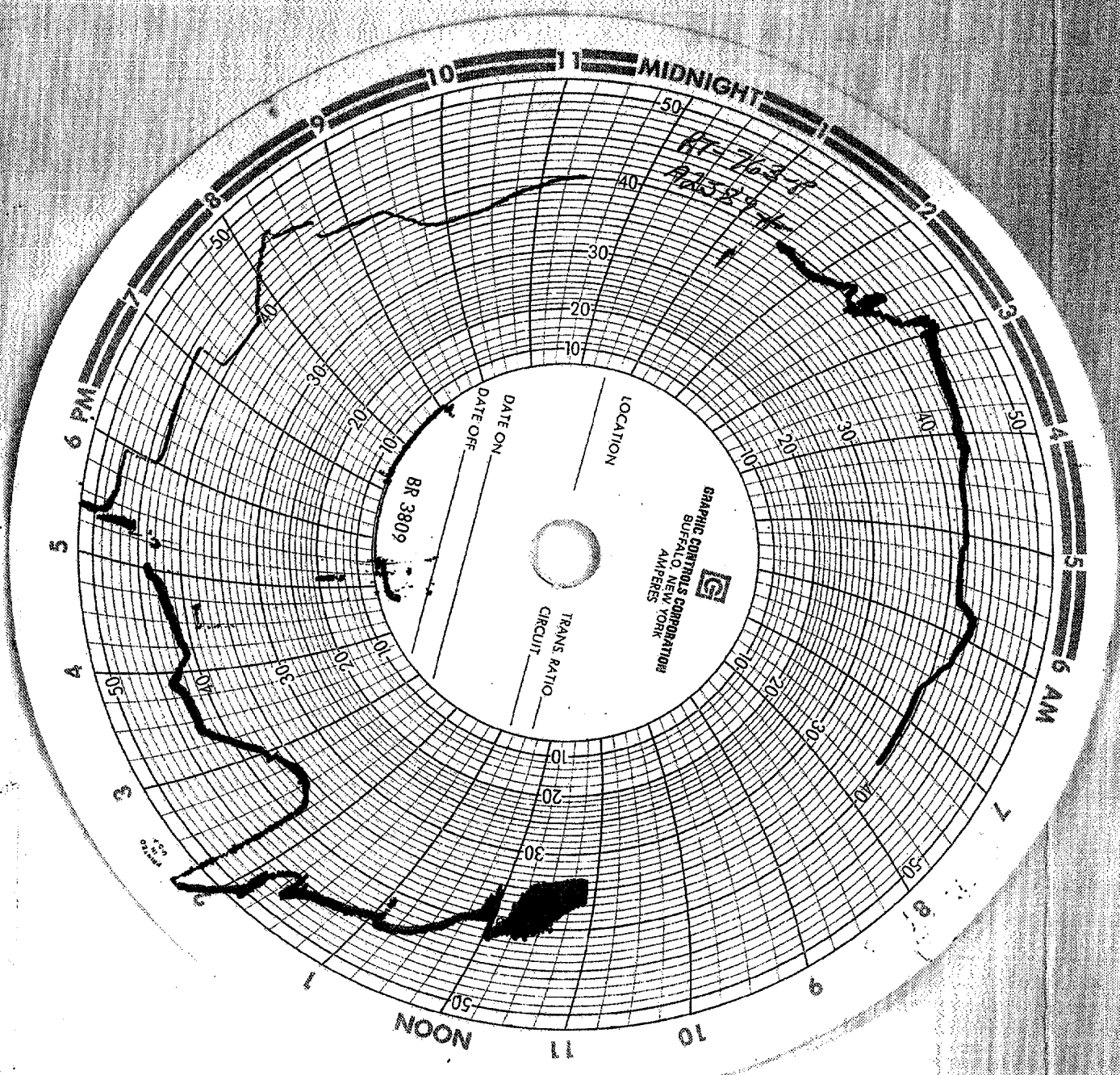


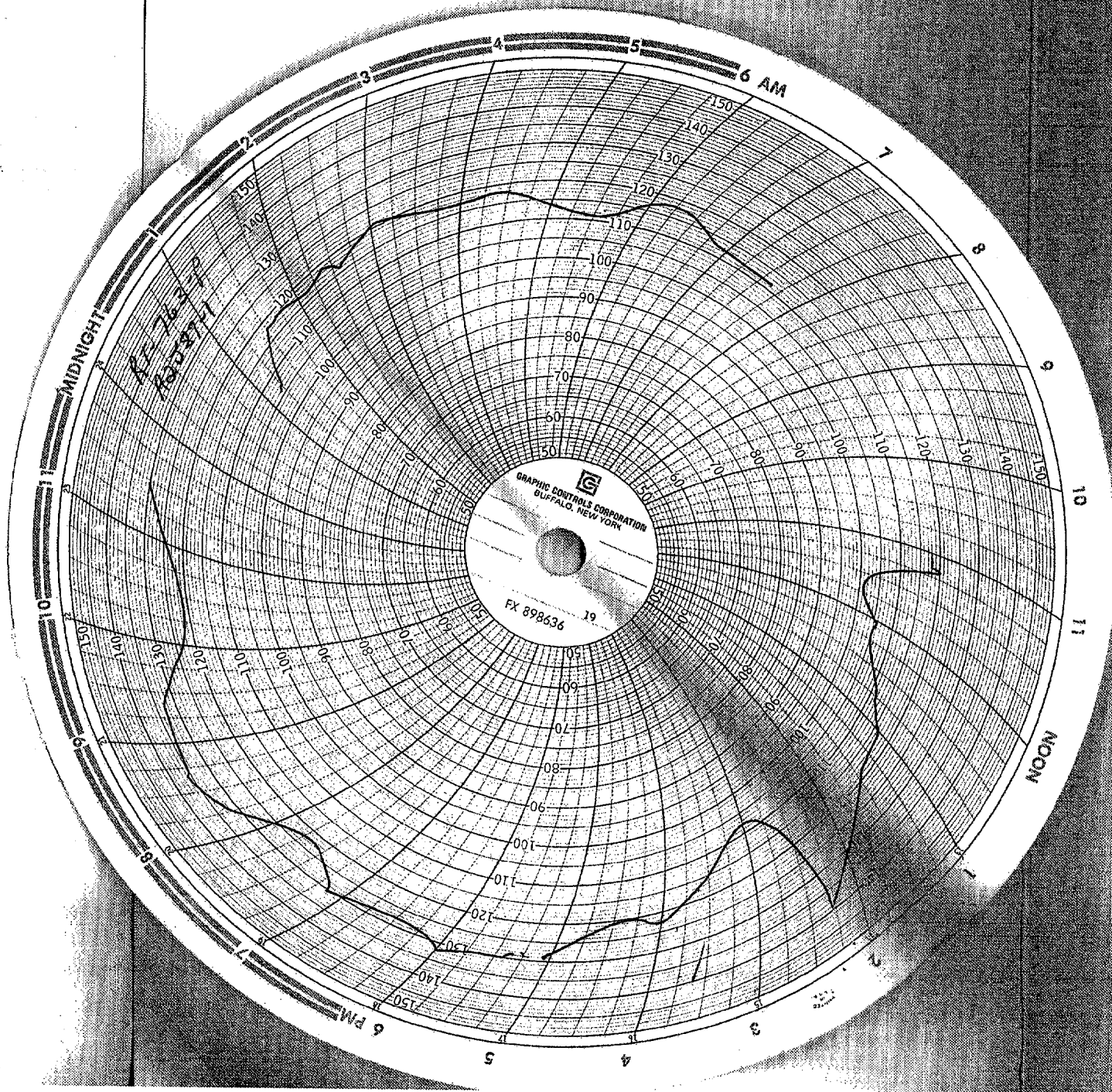


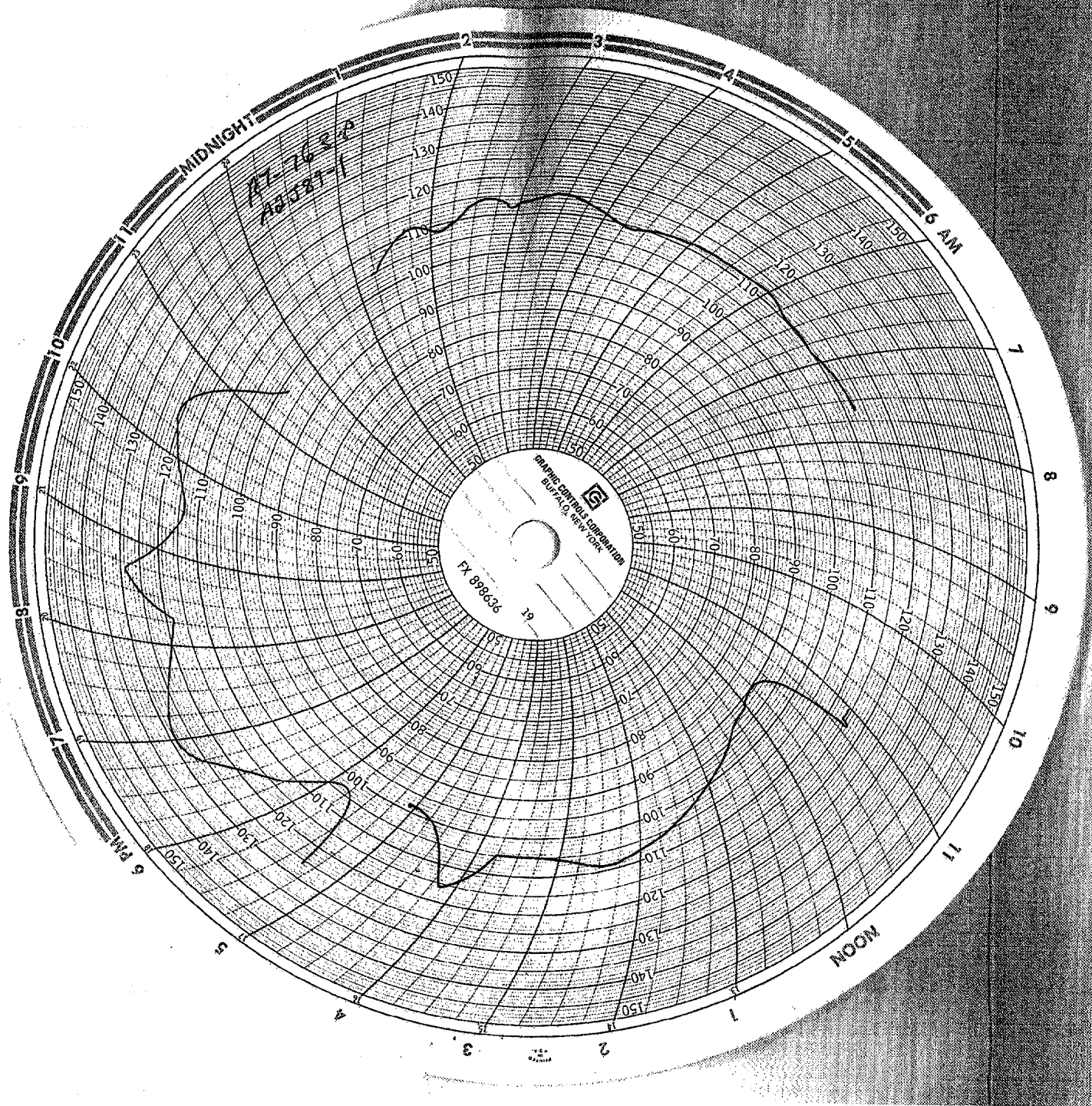




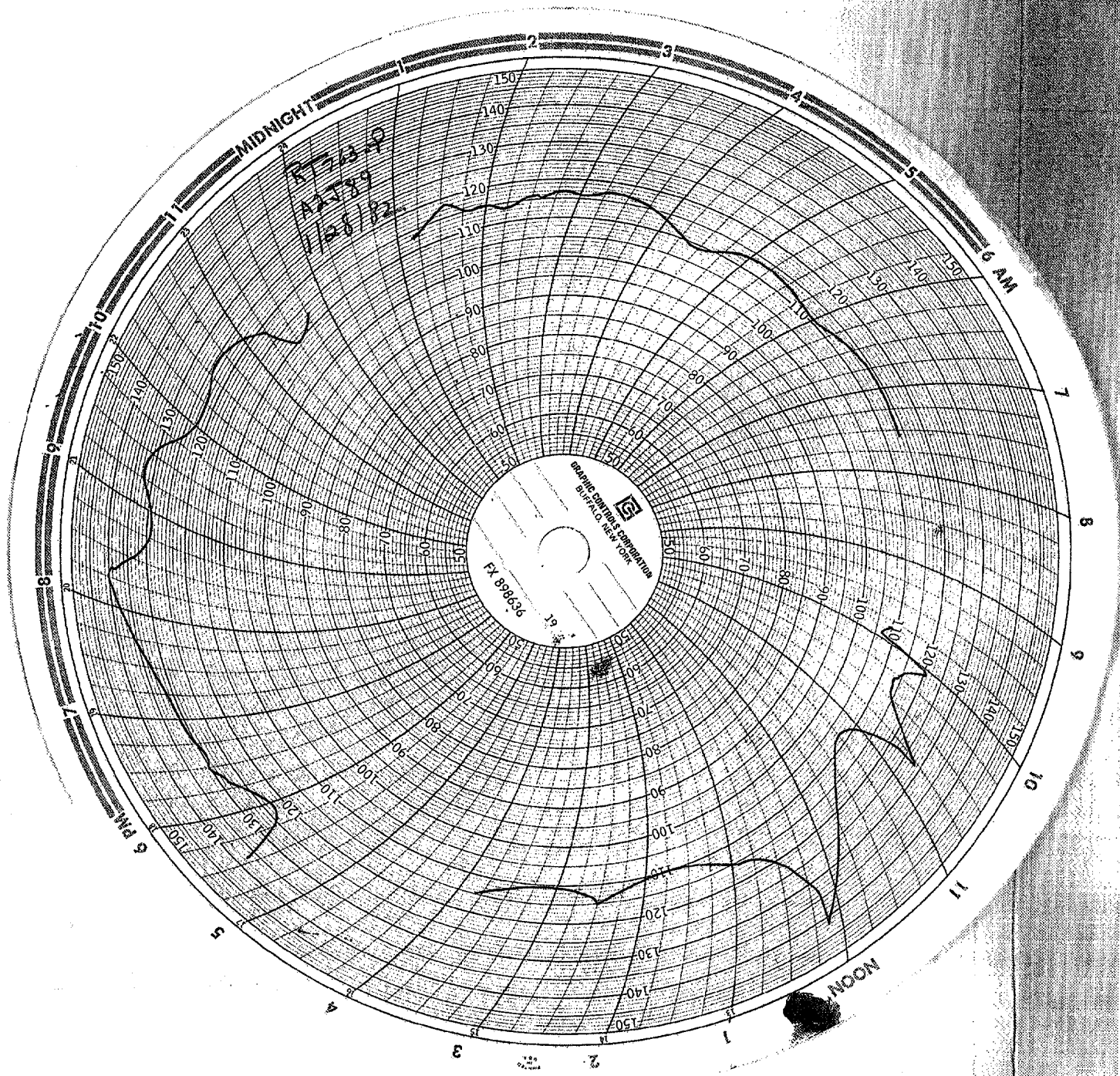


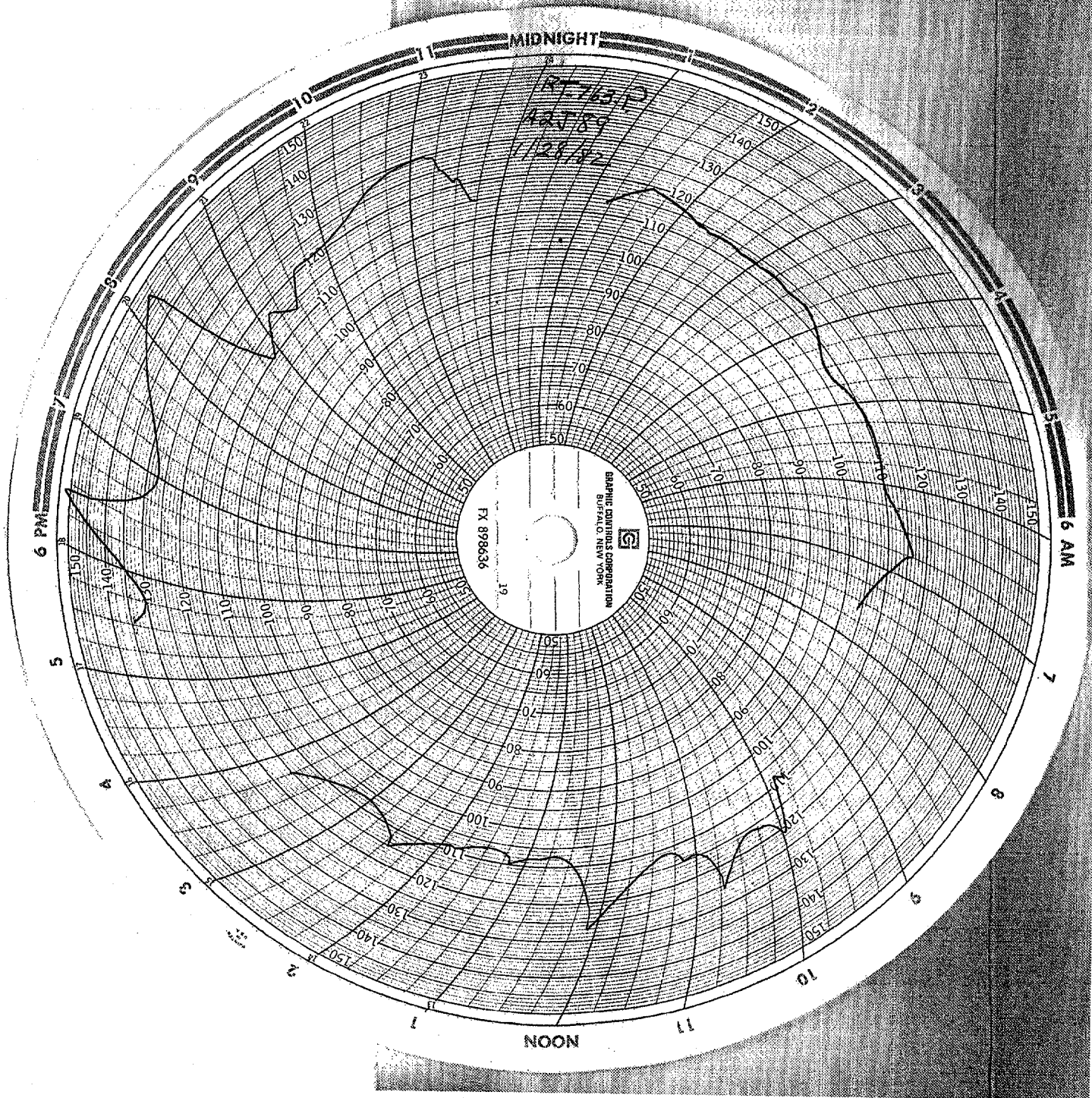






DUP050110030





DUP050110032

