



How to Adjust Your Roller Style Coffee Grinder

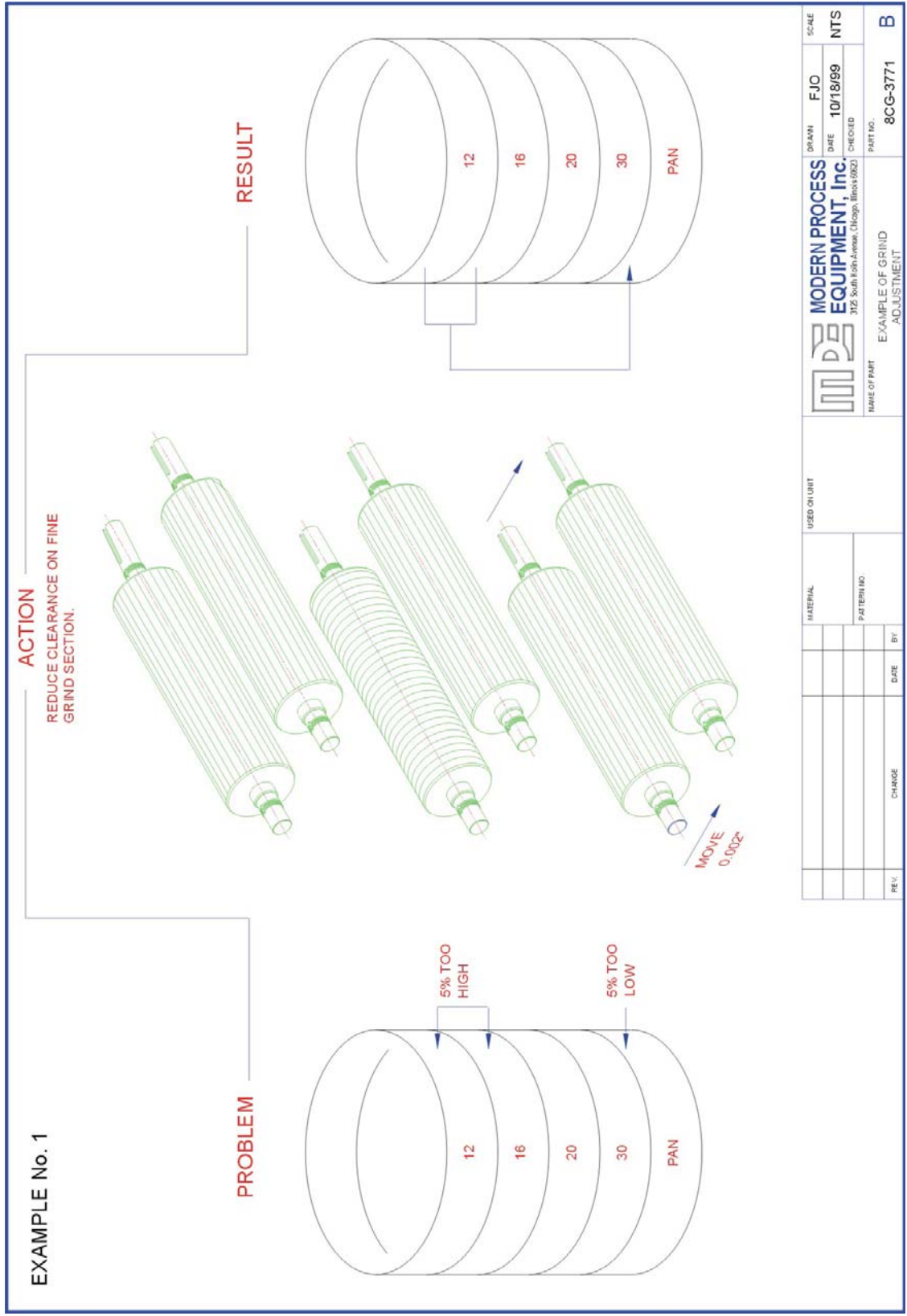
The primary “rule of thumb” regarding adjustments on a roller mill style coffee grinder (Models 888, 777, 666, etc.) is that when the clearance between any set of rollers is decreased, it will grind the largest particles that enter that set of rolls first. Depending on the particle set of rolls adjusted, the grind product achieved will be reduced to:

- a) The middle Ro-Tap screens (20/28 mesh) when the base section (18 LePage rolls) is adjusted inward...
- b) The lower Ro-Tap screens (28 mesh and pan) when the fine section is adjusted inward...

Conversely, the movement outward or an increase in the clearance between the rolls on either of these sections will reverse the above results.

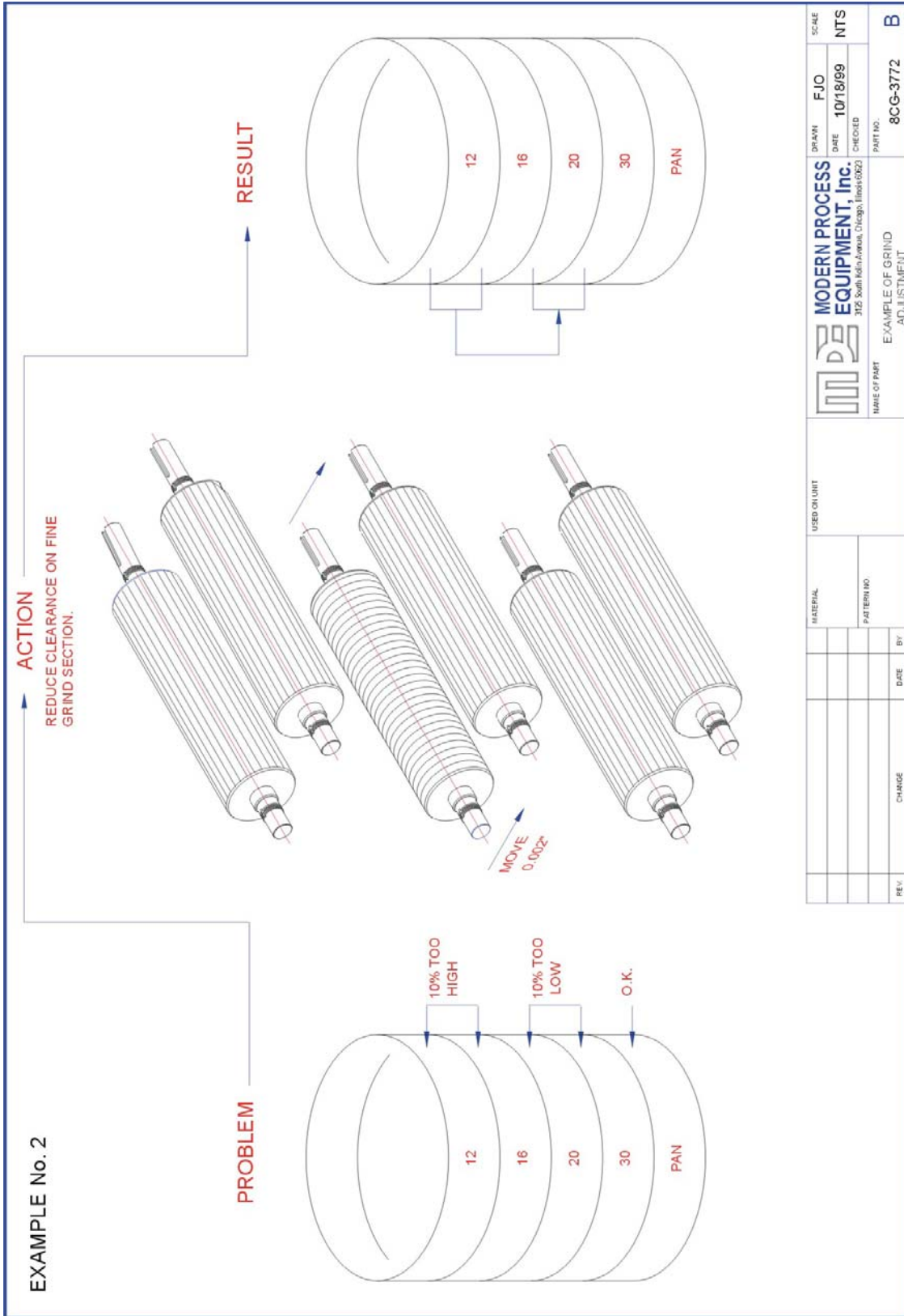
The three drawings on the following pages are examples of how to adjust your roller style coffee grinder to achieve your target Ro-Tap results.

Note: This adjustment procedure and the results achieved are dependent on a grinder’s roller condition and maintenance being in “good shape”.



DRAWN	FJO	SCALE
DRE	10/18/69	NTS
CHECKED		
MODERN PROCESS EQUIPMENT, Inc. <small>312 South North Avenue, Chicago, Illinois 60621</small>		PART NO. 8CG-3771
MPE NAME OF PART EXAMPLE OF GRIND ADJUSTMENT		B
MATERIAL	USED ON UNIT	
PATTERN NO.		
REV.	CHARGE	DATE

MPE Gran-U-Lizer
Operating and Maintenance Procedures

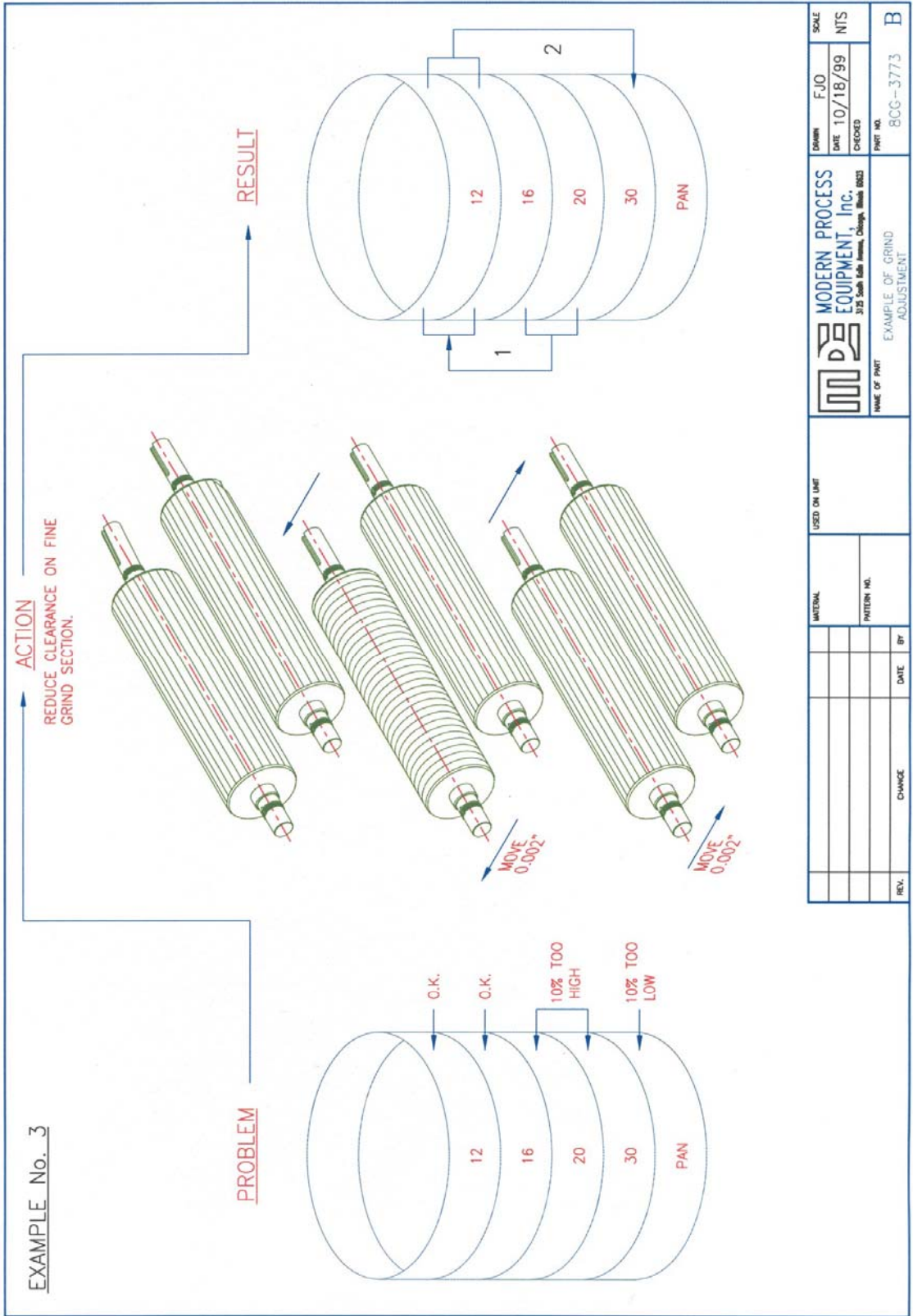


REV.	CHANGE	DATE	BY

MATERIAL	USED ON UNIT
PATTERN NO.	

DRAWN	FJO	SCALE
DATE	10/18/69	NTS
CHECKED		
MODERN PROCESS EQUIPMENT, Inc. 312 South Kildin Avenue, Chicago, Illinois 60621		
PART NO.	8CG-3772	B
EXAMPLE OF GRIND ADJUSTMENT		

MPE Gran-U-Lizer
 Operating and Maintenance Procedures





GRANULIZER SETTINGS						
APPROX. ROLL CLEARANCE	GRIND	SIEVE No.	TARGET O/O ON	ACCEPTABLE (NO ADJUST)	ACCEPTABLE (MUST ADJUST)	NOTES
BASE - 0.018 FGS - 0.012	VEND #19	10	0.5	0.0-1.0	0.0-2.5	(A) REJECT IF ANY TWO OF THE 10,14,20 ARE OUT (B) REJECT IF 20 OR PAN ARE OUT.
		14	2.0	0.0-4.0	0.0-6.0	
		20	10.0	5.0-15.0	2.0-17.0	
		28	30.0	20.0-40.0	15.0-45.0	
		PAN	58.0	55.0-70.0	50.0-75.0	
BASE - 0.019 FGS - 0.019	FINE #25	10	0.2	0.0-0.7	0.0-1.5	(A) REJECT IF ANY TWO OF THE 10,14,20 ARE OUT (B) REJECT IF 20 OR PAN ARE OUT.
		14	0.8	0.0-1.8	0.0-2.3	
		20	12.5	7.5-17.5	4.0-20.0	
		28	51.5	44.0-59.0	40.0-63.0	
		PAN	35.0	26.5-43.5	21.8-48.2	
BASE - 0.013 FGS - 0.025	DRIP #30	10	0.2	0.0-0.8	0.0-1.2	(A) REJECT IF ANY TWO OF THE 10,17 OR PAN ARE OUT (B) REJECT IF 20, 28 ARE OUT.
		14	4.3	0.8-7.7	0.0-9.4	
		20	37.5	30.0-45.0	26.3-48.7	
		28	38.5	30.5-46.5	26.5-50.5	
		PAN	19.5	13.0-26.0	10.0-29.0	
BASE - 0.018 FGS - # 10 POS.	ALL PURPOSE #35	10	0.5	0.0-1.1	0.0-1.5	(A) REJECT IF ANY TWO OF THE 10,14,28 OR PAN ARE OUT (B) REJECT IF 20 IS OUT.
		14	19.0	12.5-25.5	8.5-29.5	
		20	48.5	44.5-52.5	42.5-54.5	
		28	20.0	14.0-26.0	12.0-29.0	
		PAN	12.0	7.0-17.0	3.5-20.5	
BASE - 0.018 FGS - OPEN	REG #40	10	1.0	0.0-2.0	0.0-2.5	
		14	30.0	21.0-39.0	17.0-43.0	
		20	43.0	37.5-48.5	35.0-51.0	
		28	14.5	9.5-19.5	7.0-22.0	
		PAN	11.5	6.5-16.5	4.0-19.0	
BASE - 0.020 FGS - 0.020	CANTEEN 30T	10	-	-	-	(A) REJECT IF ANY TWO ARE OUT.
		14	3.0	0.0-7.5	NONE	
		20	32.0	27.0-39.5	24.5-41.5	
		28	43.0	35.5-50.5	NONE	
		PAN	22.0	19.0-25.0	16.0-NONE	
BASE - 0.018 FGS - OPEN	CANTEEN 35	10	0.9	0.0-2.0	0.0-4.0	(A) REJECT IF ANY TWO OF THE 10,14,28 OR PAN ARE OUT (B) REJECT IF 20 IS OUT.
		14	17.8	14.0-19.0	13.0-28.0	
		20	43.8	39.0-46.5	37.0-48.0	
		28	19.4	17.0-23.0	15.0-27.0	
		PAN	15.1	13.5-19.5	12.0-21.0	
BASE - 0.011 FGS - 0.009	SINGLE CUP APV	20		0.0-2.0		
		28		11.0-19.0		
		35		38.0-48.0		
		48		16.0-24) NOT		
		PAN		18.0-26.0) ABOVE 45%		



Roll Clearance Tags

For each section, the tag on the adjustment handle indicates the gap between the rolls. Note that different sections may have different settings, so, for example, the #5 setting on the top section may be a much larger gap than the #5 setting on the bottom.

Grind Adjustment for Multiple Section Grinders

Adjust the gap between the grinding rolls to achieve a gradual reduction in particle size as it passes through the Gran-U-Lizer. Generally, the grinding rolls gaps should be larger on the top sections and smaller on the bottom.

If too much reduction is done in any single step (grinding section), there are a number of issues:

- Grind quality is reduced.
- Grind capacity is lower.
- Motors may be overloaded.
- Roll life is diminished.

NOTE: TO ENSURE ACCURATE SETTING OF THE GRINDING ROLL GAPS, ADJUST THE GAPS ONLY WHEN THE FEEDER IS NOT RUNNING AND PRODUCT IS NOT BEING GROUND.