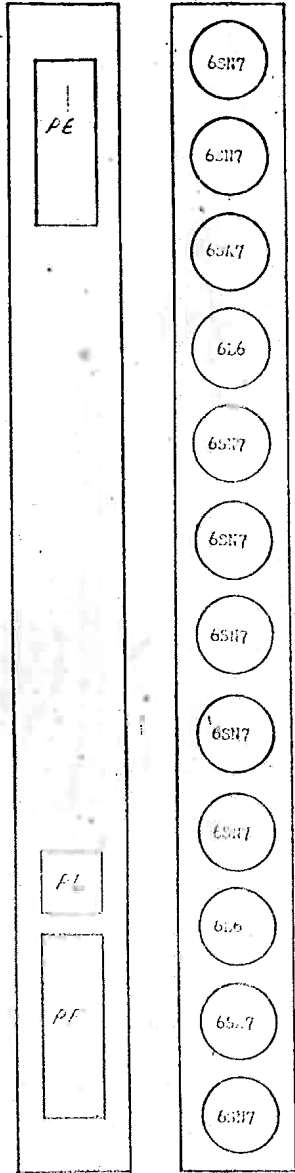


STATIC TESTS

Meter Reference Diagram	VOLTAGE AT PIN NUMBER							
	1	2	3	4	5	6	7	8
-85	230 230 ---	150 160 ---	210 210 ---	230 230 ---	150 160 ---	210 210 ---	210 210 ---	210 210 ---
-85	150 160 ---	85 155 ---	160 160 ---	150 160 ---	85 155 ---	160 160 ---	210 210 ---	210 210 ---
-85	95 95 ---	55 55 ---	-75 -75 ---	20 20 ---	115 115 ---	95 95 ---	55 55 ---	85 155 ---
Reverse Meter	105 105 ---	85 85 ---	195 195 ---	160 160 ---	190 65 ---	---	85 65 ---	105 105 ---
-85	175 15 35	185 65 130	0 55 ---	175 35 ---	195 130 65	0 55 55	0 0 0	0 0 0
-85	10 0 0	185 2 5	0 0 ---	10 0 0	175 5 2	0 0 0	0 0 0	0 0 0
-85	85 85 ---	190 19 ---	105 105 ---	85 85 ---	190 190 ---	105 105 ---	85 85 ---	85 85 ---
-85	10 0 0	185 2 5	0 0 ---	10 0 0	195 5 2	0 0 0	0 0 0	0 0 0
-85	175 15 35	185 65 130	0 55 ---	175 35 ---	195 130 65	0 55 55	0 0 0	0 0 0
-85	105 105 ---	85 85 ---	195 195 ---	160 160 ---	190 65 ---	---	85 65 ---	105 105 ---
Reverse Meter	95 95 ---	55 55 ---	-75 -75 ---	20 20 ---	115 115 ---	95 95 ---	55 55 ---	85 155 ---
Reverse Meter	105 105 ---	190 120 ---	105 105 ---	105 85 ---	190 120 ---	105 105 ---	85 85 ---	85 85 ---



MOORE SCHOOL OF ELECTRICAL ENGINEERING
UNIVERSITY OF PENNSYLVANIA

READER-PRINT STARTING BUS-TO UNIT TESTING CIRCUIT

SCALE

DESIGNED BY: *[Signature]*

APPROVED BY: *[Signature]*

DATE: *[Signature]*

LEGEND

125 Turn Out
150 Turn In
170 Turn In & Hold On

Note: This chart is prepared for use with Simpson Meter - Model 260 (20,000 Ohms per volt.)

DYNAMIC TESTS:-

- Negative pulse train and variable positive pulse and push button operate unit.
1. Check initial clear by use of gate switch which clears the clear gate.
 2. Check reader input inverter by the variable positive pulse.
 3. Check reader reset by push button.
 4. Check manual starting program input with minus pulse train.
 5. Recheck reader reset by push button.
 6. Check printer program input with variable positive pulse.
 7. Check printer reset with minus pulse train.
 8. Check reader relay input and printer relay input on SE 6 and B' with meter by operating flip flops as above.