The program is executed in the following manner:

A Field (columns 2-4), B Field (columns 22-24), and Result Should Be Field (columns 42-44) are loaded into the print area for printing purposes. The B Field is then loaded into Locations 262-264 to be used as an accumulator. The A Field is then added to the B Field in the accumulator by a Modify Address instruction. The result in the accumulator is then compared with the Result Should Be Field. If the comparison is unequal, the program branches to the Error Print Routine. The position of Sense Switch E then determines whether the machine stops to permit console checking or prints the results with an "Error" indication.

Checking Procedure

SENSE SWITCH E ON - Machine stops for errors.

1. Remove the last card in the stacker.
2. Visually check A Field, B Field, and Result Should Be Field with Locations 202-204, 222-224, and 242-244 respectively; then check Locations 242-244 with Locations 262-264.
3. Check B ≠ A logic light. Should be OUT if Result Should Be and Result Is Fields are the same; should be ON if not.

SENSE SWITCH E OFF - Machine prints error results. Examples of error print-out:

A Field	B Field	Result Should Be	Result Is	
777	888	W65	F65	ERROR
C45	T57	70S	702	ERROR
BTU	F8J	R15	R1V	ERROR

SENSE SWITCH C ON - Machine prints correct results. Examples:

777	888	W65	F65
C45	T57	70S	70S
BTU	F8J	R15	R15

Procedure for Running Modify Address Test from Tape

1. Manually enter "1" in S64.
2. Set Sense Switch "F" to the OFF position.
   NOTE: This will allow the Modify Address Test to be executed with all other tests that may be chained.

Procedure for Running ONLY Modify Address Test from Tape

1. Manually enter Block No. 3700 in Locations S73-S76 and "1" in S64.
2. Set Sense Switch "F" to the ON position.
   NOTE: This will allow the Modify Address Test to be executed, by-passing all the others.