

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

50-244

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8911080322 DOC. DATE: 89/10/25 NOTARIZED: NO DOCKET #

FACIL: *50244*
 AUTH. NAME: SMITH, R.E. AUTHOR AFFILIATION: Rochester Gas & Electric Corp.
 RECIP. NAME: RUSSELL, W.T. RECIPIENT AFFILIATION: Region 1, Ofc of the Director

SUBJECT: Part 21 rept re Foxboro Spec 200 termination modules, four Model N2AK+T & three Model N2AK+K. Defects identified in metallic termination module labels found w/clearances less than acceptable Foxboro std of 0.06 inches.

DISTRIBUTION CODE: IE19D COPIES RECEIVED: LTR ENCL SIZE: 8
 TITLE: Part 21 Rept (50 DKT)

NOTES:

| | RECIPIENT ID CODE/NAME | COPIES LTTR | ENCL | RECIPIENT ID CODE/NAME | COPIES LTTR | ENCL |
|-----------|---------------------------|----------------|------|---------------------------|----------------|------|
| | LA | 1 | 0 | PD | 1 | 1 |
| | PM | 1 | 1 | | | |
| INTERNAL: | AEOD/DOA | 1 | 1 | AEOD/DSP/TPAB | 1 | 1 |
| | IRM TECH ADV | 1 | 1 | NRR CRUTCHFIELD | 1 | 1 |
| | NRR VARGA, S | 1 | 1 | NRR/DEST/ADS 7E | 1 | 1 |
| | NRR/DLPQ/PEB 10 | 1 | 1 | NRR/DOEA/GCB 11 | 1 | 1 |
| | NRR/DRIS/VIB 9D | 1 | 1 | NUDOCS-ABSTRACT | 1 | 1 |
| | <u>REG FILE</u> 01 | 1 | 1 | RES/DSIR/EIB | 1 | 1 |
| | RGN1 | 1 | 1 | RGN2 | 1 | 1 |
| | RGN3 | 1 | 1 | RGN4 | 1 | 1 |
| | RGN5 | 1 | 1 | | | |
| EXTERNAL: | INPO RECORD CTR | 1 | 1 | LPDR | 0 | 0 |
| | NRC PDR | 1 | 1 | NSIC SILVER, E | 1 | 1 |

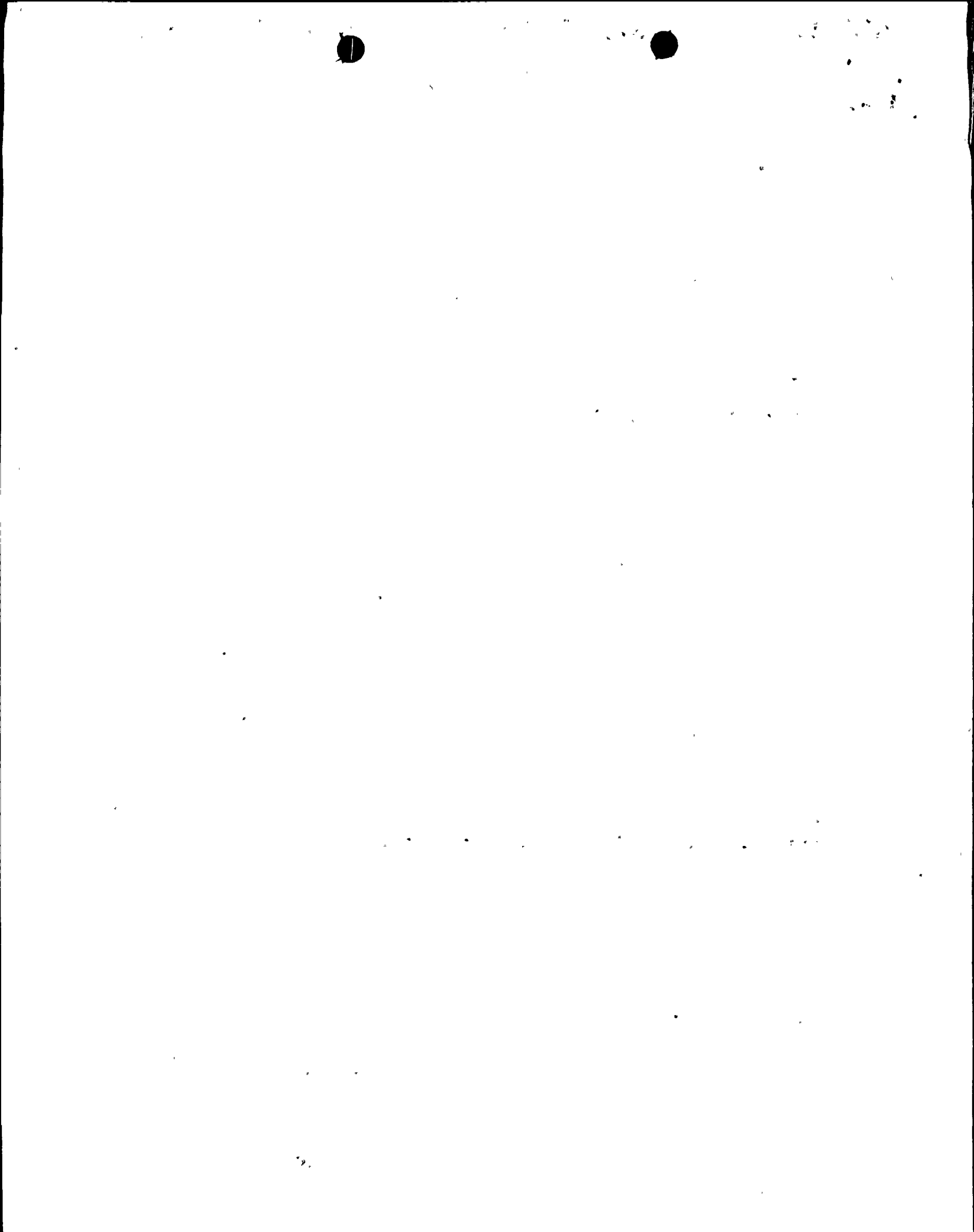
NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 23 ENCL 22

R
I
D
S
/
A
D
D
S

R
I
D
S
/
A
D
D
S





ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649-0001

ROBERT E. SMITH
Senior Vice President
Production and Engineering

TELEPHONE
AREA CODE 716 546-2700

October 25, 1989

Mr. William T. Russell
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Subject: 10 CFR 21 Notification
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Russell:

In accordance with 10 CFR 21, the following notification is hereby submitted:

Submitter: Robert E. Smith
Senior Vice President, Production & Engineering
Rochester Gas and Electric Corporation
89 East Avenue
Rochester, NY 14649

Facility: R. E. Ginna Nuclear Power Plant

Docket No.: 50-244

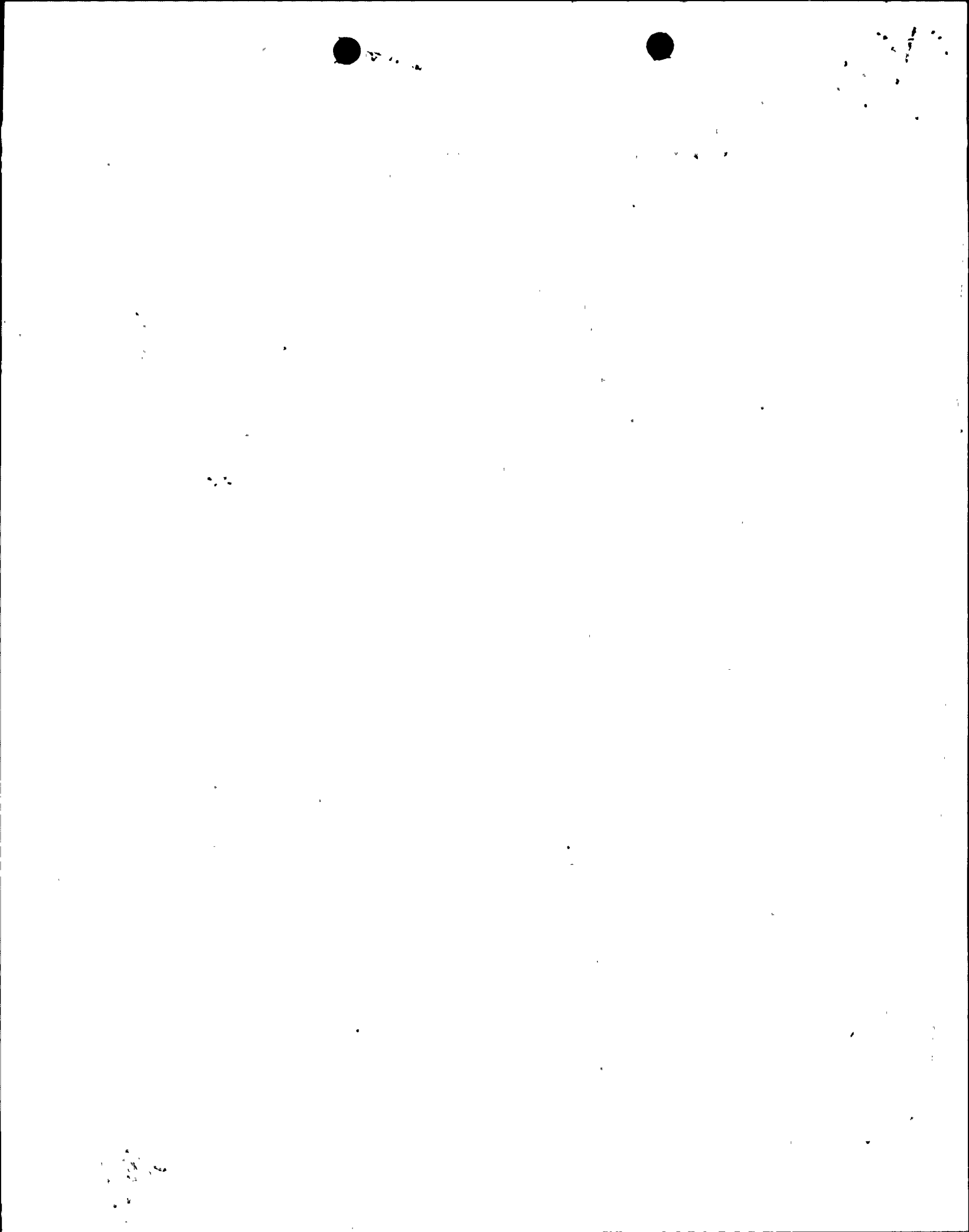
The basic components supplied which contained defects were Foxboro Spec 200 termination modules, four model no. N2AK+T and three model no. N2AK+K. The firm supplying these modules was The Foxboro Company.

Rochester Gas and Electric visually inspected all Spec 200 termination modules, both installed and in spare stock. All field installed modules were found to have the Foxboro standard for clearance of greater than 0.06 inches.

During the inspection of the in stock spare modules, the specific defects identified were the metallic termination module labels were found with clearances less than the acceptable Foxboro standard of 0.06 inches between the label and the signal input spade lugs, which could result in a shorted input signal.

1911080322 ?

IE19
11

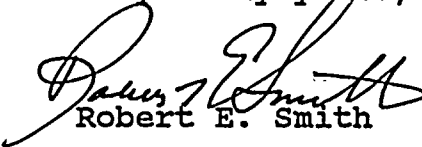


Rochester Gas and Electric Corporation has determined that, due to the configuration of modules, if installed with less than adequate clearance, could cause loss of Reactor Vessel Level Monitoring System (RVLMS) instrumentation, which is considered Class 1E safety related. Thus, the defect could create a "substantial safety hazard", based on resulting in a major degradation (inoperability) of essential safety related equipment.

The corrective action that was taken regarding this condition was per Foxboro recommendations (i.e. to move the label away from the lugs). These seven modules have been corrected. Additionally, the Quality Control Inspectors were informed of this problem so that during future receipt inspection activities, they may be identified prior to acceptance.

Information related to the defect in the basic component has been given to Rochester Gas and Electric from the vendor and is attached for your information.

Very truly yours,



Robert E. Smith

c: Director, Office of
Nuclear Reactor Regulation,
USNRC

1950

The Foxboro Company

RESmith

*XC LINK
MARLOWE
WILKIN*
Foxboro, MA U.S.A. 02135-2089
Telephone 508-543-8750
Telex 927-602 or RTT 171090

Mr. Roger W. Kober August 3, 1989
Vice President, Electric and Steam Production
Rochester Gas & Electric Corporation
89 East Avenue
Rochester, NY 14649

RECEIVED
AUG 09 '89

R. E. Ginna Nuclear Power Plant

RWK

SUBJECT: Termination Modules used in Foxboro's SPEC 200
Product Line
Various Part Numbers (See Attachment I)

RECEIVED
8/13/89
RAB

Dear Mr. Kober

This is to inform you that one of our nuclear customers has reported a problem with Foxboro's Custom Termination Modules. The problem was described to be the metallic label shorting the signal input spade lugs which resulted in a shorted input signal. We received two units from this customer. On one unit we could duplicate the problem; on the other unit we could not duplicate the problem, although the label looked to be very close to the spade lugs (less than .060 inch, which is our standard).

This is the first reported problem since we introduced these modules more than 18 years ago. We believe if similar modules are already installed in your system and no problems have been experienced to-date, the shorting of the label to the lugs is unlikely. However, we are recommending that you inspect the units for label proximity to the lugs. Any suspected units must be removed and tested for a short circuit between the spade lugs. If a short circuit exists, the only corrective action required is to move the label away from the lugs. Please check your spare parts inventory also.

We are sending this letter to all nuclear customers as a general notification. Since we cannot be sure of the actual application of these modules, we are requesting that the applicability of 10CFR21 be determined by the utilities.

We have instituted the use of a non-metallic label so as to avoid any future problems.

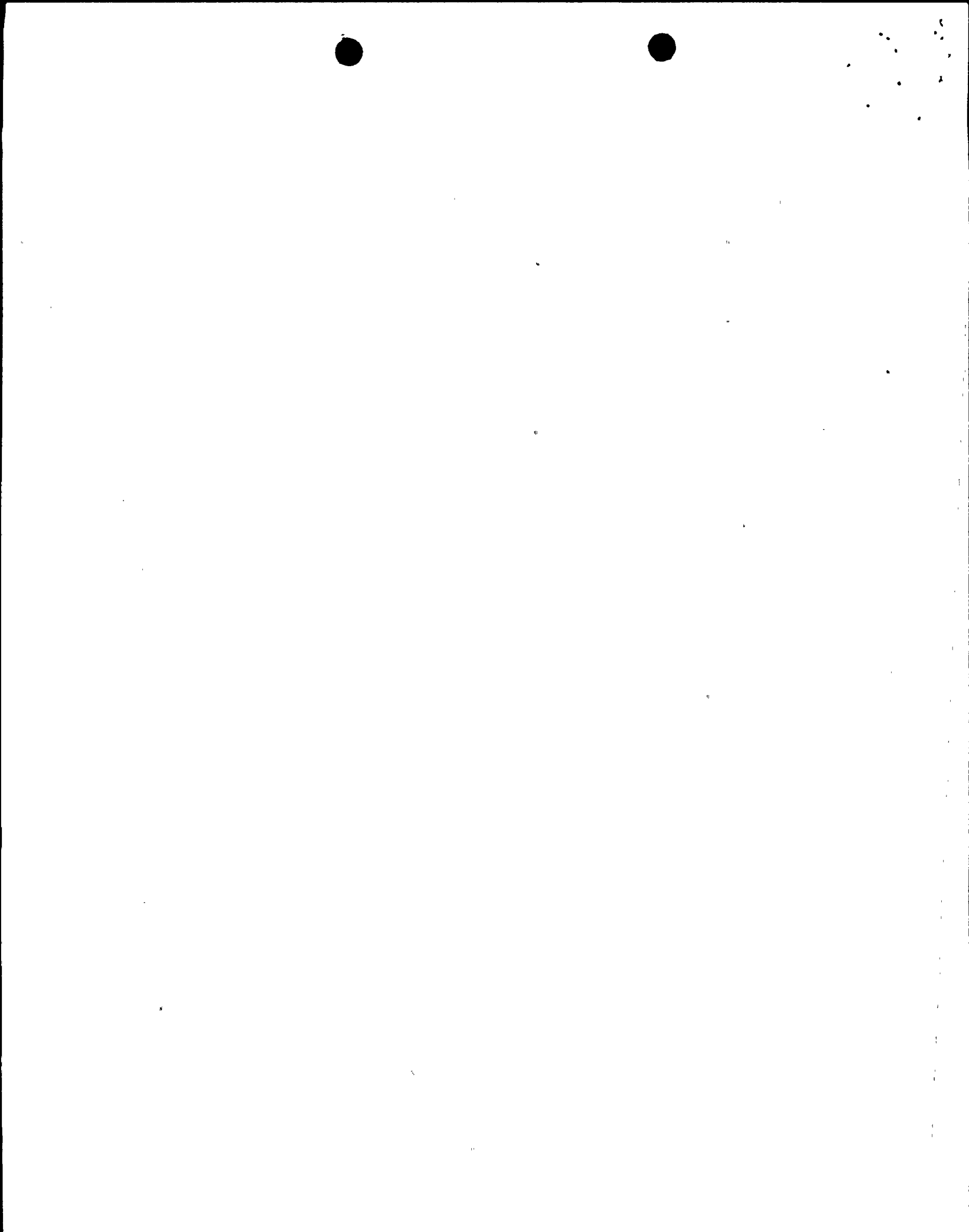
Also attached is the technical description of one of the modules (SI 1-01693), Attachment II. We have highlighted the area of potential problem on this attachment.

If you have any questions, please contact a field service representative at 1-800-441-6014.

S.H. Rizvi
S. H. Rizvi, N04-2B
Manager, Corporate Quality Assurance

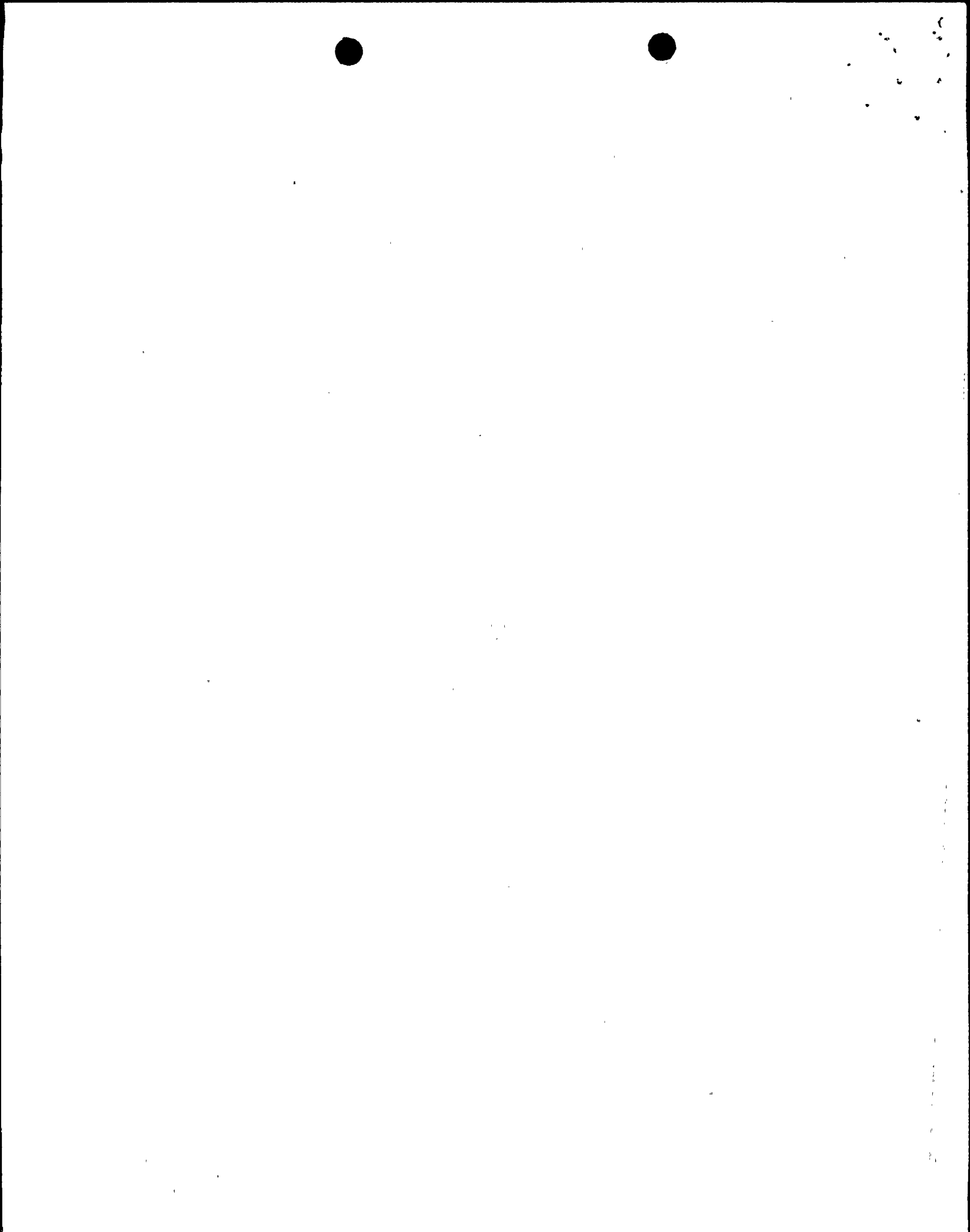
baa (PW012489)
Attachments





TERMINATION MODULES
IN ALPHABETICAL ORDER BY MODEL NUMBER

| MODEL # | PART # | ECEP # |
|---------------------------|-------------|--------|
| ----- | ----- | ----- |
| 2AX+C | N0307GZ | - |
| 2AX+DR | N0303BX | - |
| 2AX-DT | - | - |
| 2AX+E | N0303AL | - |
| 2AX+E | C0151VR | 10083C |
| 2AX+J | N0303AM | - |
| 2AX+J | C0151VS | 10083C |
| 2AX+K | N0303AN | - |
| 2AX+K | C0151VT | 10083C |
| 2AX+LS | C0147AC | - |
| 2AX+MV-PGA | N0310YJ | - |
| 2AX+N | C0153MH | - |
| 2AX+P | N0305RW | - |
| 2AX+P | C0151KZ | 10520A |
| 2AX+P | C0151RT | 10083A |
| 2AX+P | C0151VC | 10083B |
| 2AX+P-AGA, PGA, BGA & YGA | N0307UF | - |
| 2AX+P+LGA | C0159TB | 13049N |
| 2AX+P-GGD & FGB | N0308VK | - |
| 2AX+R | N0303AP | - |
| 2AX+R, 2AX+S | C0151VU | 10083B |
| 2AX+S | N0303AP | - |
| 2AX+RBF | C0154JE | - |
| 2AX+RS | C0147AD | - |
| 2AX+SEF | N0310PC | - |
| 2AX+SLW | N0309JQ | - |
| 2AX+T | N0303AS | - |
| 2AX+T | C0151VV | 10083C |
| 2AX+VA | - | - |
| 2AX+VC | N0310YC | - |
| 2AX+VD | N0310YD | - |
| 2AX+VE | N0310YE | - |
| 2AX+VF | N0310YF | - |
| 2AX+VE-PGA & YGA | N0310YG | - |
| 2AX+VF-PAG & YGA | N0310YH | - |
| 2AX+VA | BUILT TO MS | - |
| 2AX+VA | C0150JR | 9617 |
| 2AX+VA, VB | - | 8973 |
| 2AX+VB | C0150JR | - |
| 2AX+VZ1 | " | - |
| 2AX+VZ2 | " | - |
| SAX+VZ3 | " | - |
| 2AX-VZ4 | " | - |



| | | |
|-----------|---------|----------|
| - | C0147AV | 8725 |
| - | C0148EE | 9124 |
| - | C0148KD | 8733B |
| - | C0148KE | 8733C |
| - | C0148KF | 8733A |
| - | C0151KZ | 10520 |
| - | C0159NN | 12869 |
| - | C0159WQ | N-90080 |
| 2AX+WREA | - | - |
| N-2AX+DR | - | - |
| N-2AX+DT | - | - |
| N-2AX+E | - | - |
| N-2AX+J | - | - |
| N-2AX+K | - | - |
| N-2AX+P | C0152NU | N-10083A |
| N-2AX+P | C0152NV | N-10083B |
| N-2AX+P | C0152MW | N-10083C |
| N-2AX+P | C0152NX | N-10083C |
| N-2AX+P | C0152NY | N-10083C |
| N-2AX+P | C0152NZ | N-10083C |
| N-2AX+P | C0152PB | N-10083D |
| N-2AX+P | C0152XS | N-90011 |
| N-2AX+R | - | - |
| N-2AX+S | - | - |
| N-2AX+T | - | - |
| N-2AX+VC | C0152UX | N-90008 |
| N-2AX+VD | C0152UY | N-90008 |
| N-2AX+VE | C0152UZ | N-90008 |
| N-2AX+VF | C0152VA | N-90008 |
| N-2AX+VT | C0152VT | N-9533 |
| N-2AX+VZ1 | - | - |
| N-2AX+VZ2 | - | - |
| N-2AX+VZ3 | - | - |
| N-2AX+VZ4 | - | - |

THIS LIST INCLUDES ALL TERMINATION MODULES INCLUDING
STANDARD , NUCLEAR QUALIFIES AND CUSTOM.

N SIGNIFIES NUCLEAR
ECEP SIGNIFIES CUSTOM
ECEP STARTING WITH AN N SIGNIFIES A CUSTOM NUCLEAR
QUALIFIED.

RAA 7-31-89

Instruction

SI
1-01693
May 1980

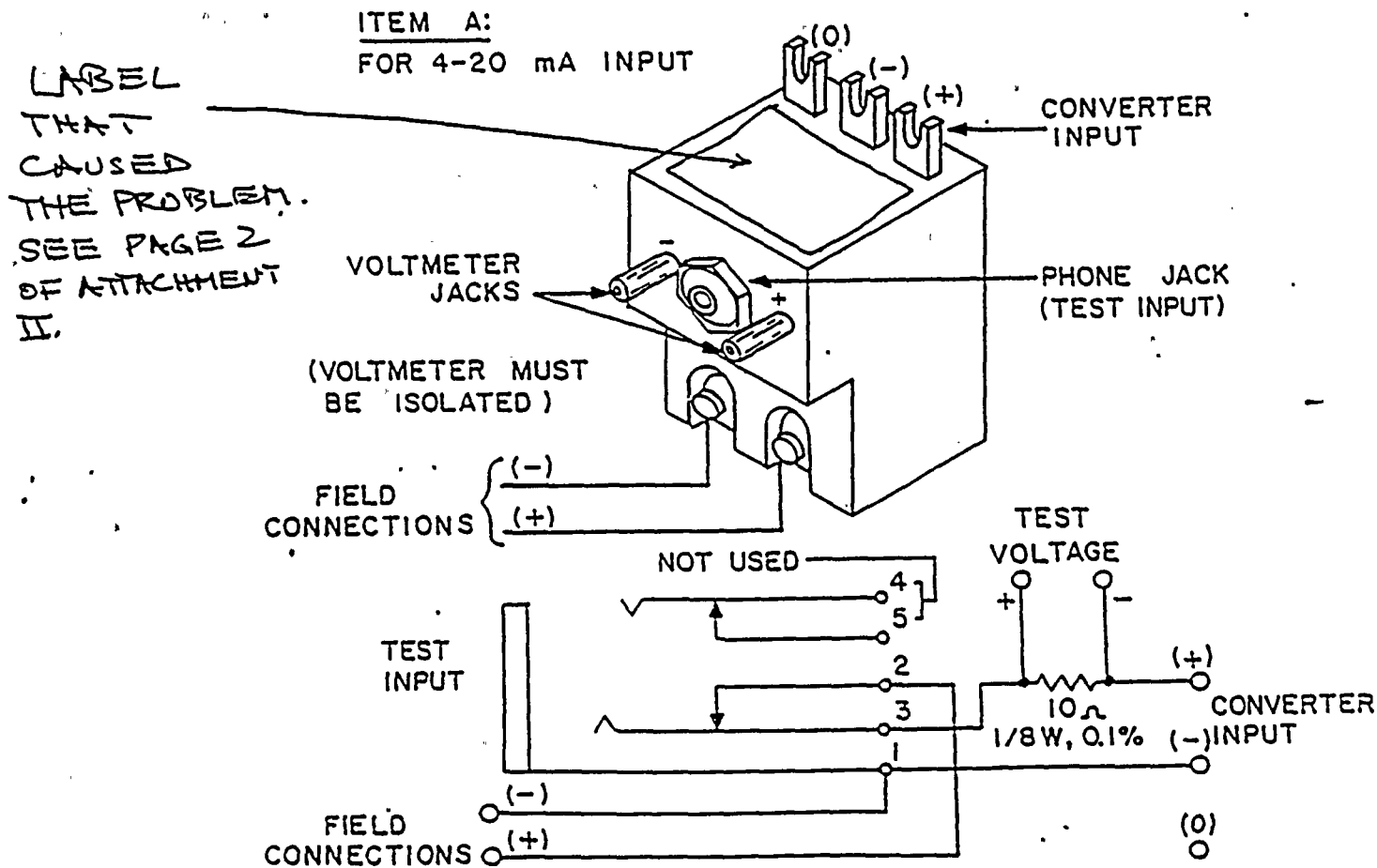
CUSTOM TERMINATION MODULES FOR SPEC 200
LOOP TESTING APPLICATIONS
(ECEP-10033A, B, C, AND D)

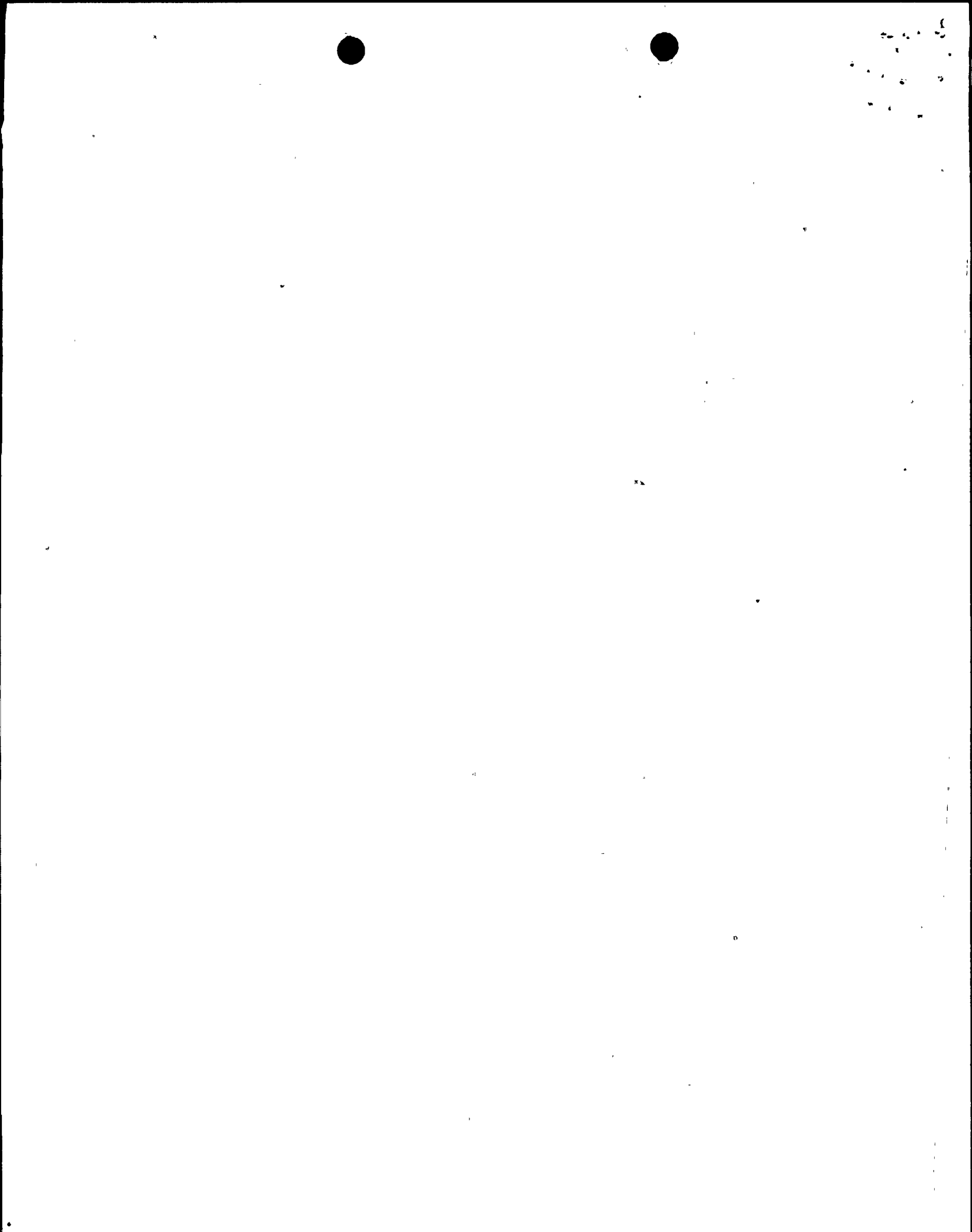
General

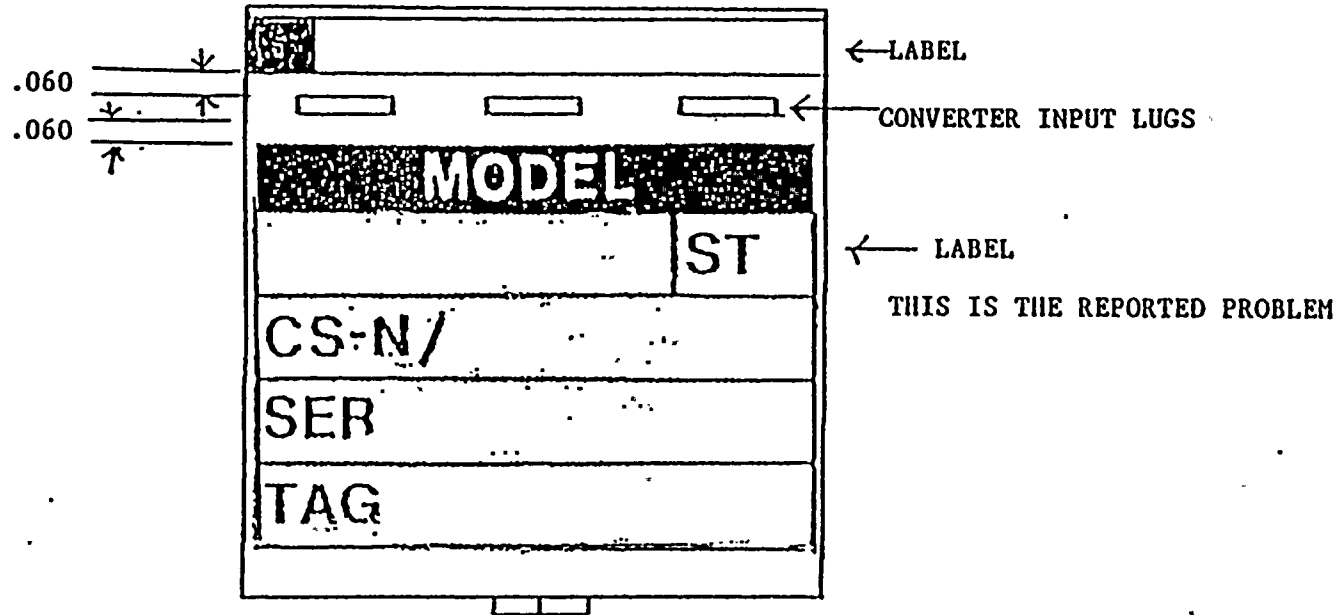
ECEP-10083A (For 4-20 mA input)

This custom termination module functions as follows:

1. Inserting a phone plug into the phone jack (Part N0305ST) on the front of the module disconnects the field current signal.
2. A 4 to 20 mA test signal may now be applied through the phone plug for test purposes. A 40 to 200 mV signal directly proportional to the input current may be measured across the two terminals on either side of the phone jack. See following figure and schematic.







TERMINATION MODULE LABEL PLACEMENT

RECEIVED-REGION 1
89 NOV -1 P2:54