

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not applicable

EFFECTS OF OVEREXPOSURE

Minimal irritation to skin

EMERGENCY AND FIRST AID PROCEDURES

None required

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

open flame/sparks

Yes

INCOMPATIBILITY (Materials to avoid)

None expected

HAZARDOUS DECOMPOSITION PRODUCTS

Smoke, carbon monoxide, sulphur oxides when combusted.

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

No unusual procedures

WASTE DISPOSAL METHOD

No special hazardous - Dispose of in accordance with Federal and State and local laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Not ordinarily required

VENTILATION

LOCAL EXHAUST

Not ordinarily required

MECHANICAL (General)

SPECIAL

OTHER

PROTECTIVE GLOVES

For sensitive skin

EYE PROTECTION

Not ordinarily required

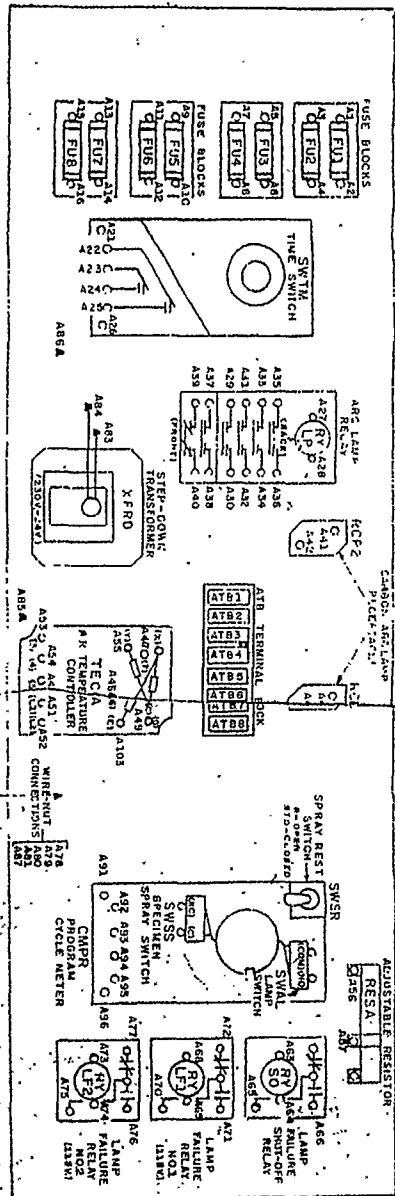
OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

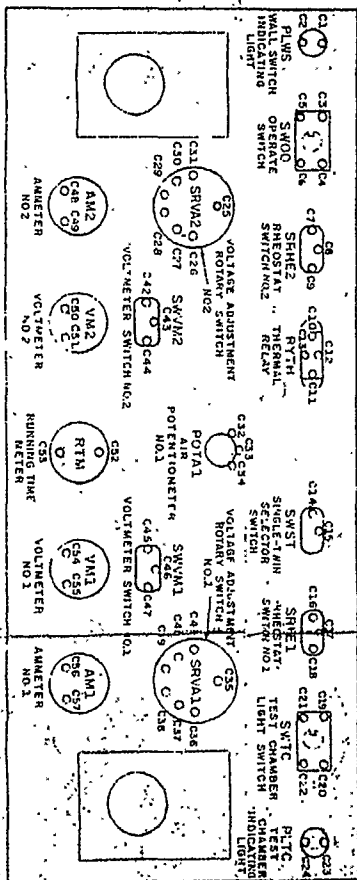
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Packages are heavy - use caution when lifting.

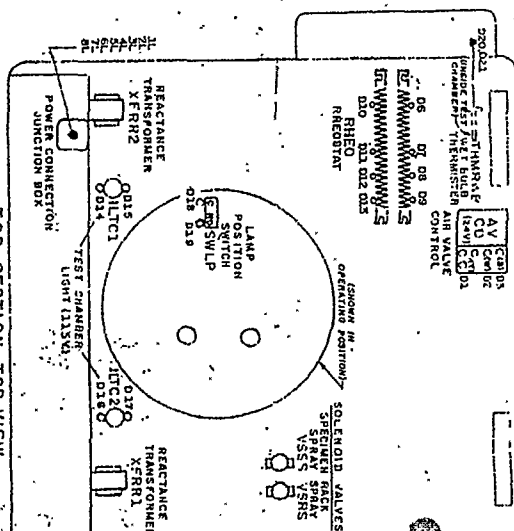
OTHER PRECAUTIONS



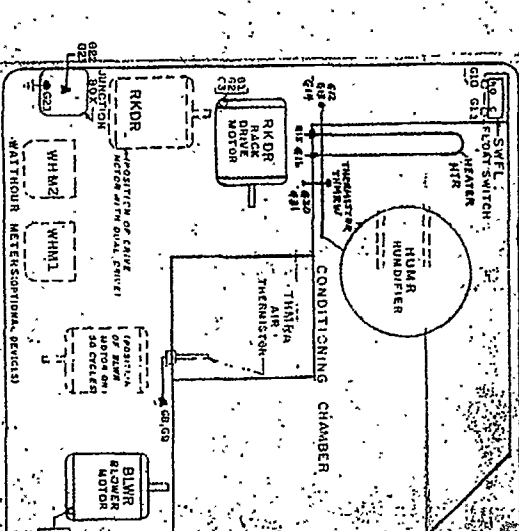
CONTROL CABINET REAR PANEL - FRONT VIEW
(LETTER "X" TERMINAL DESIGNATIONS)



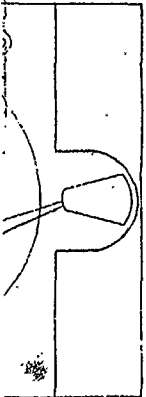
CONTROL CABINET FRONT PANEL - REAR VIEW - OPEN POSITION
(LETTER "C" TERMINAL DESIGNATIONS)



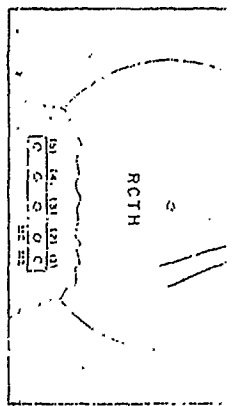
TOP SECTION - TOP VIEW
(LETTER "D" TERMINAL DESIGNATIONS)



BOTTOM SECTION - TOP VIEW
(LETTER "C" TERMINAL DESIGNATIONS)



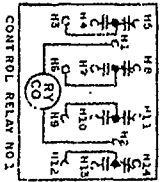
RECORDING THERMOMETER - FRONT VIEW
(LETTER "W" TERMINAL DESIGNATIONS)



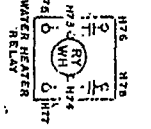
- TERMINAL BLOCK "A"
- HT81A
 - HT82A
 - HT83A
 - HT84A
 - HT85A
 - HT86A
 - HT87A
 - HT88A
 - HT89A
 - HT90A

- TERMINAL BLOCK "B"
- HT81B
 - HT82B
 - HT83B
 - HT84B
 - HT85B
 - HT86B
 - HT87B
 - HT88B
 - HT89B
 - HT90B

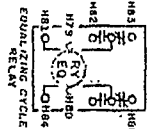
TERMINAL B.C.K.S.



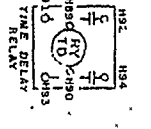
CONTROL RELAY NO. 1



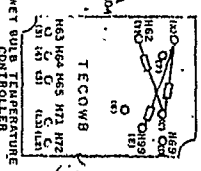
WATER HEATER RELAY



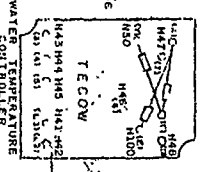
EQUILIBRATING CYCLE RELAY



TIME DELAY RELAY



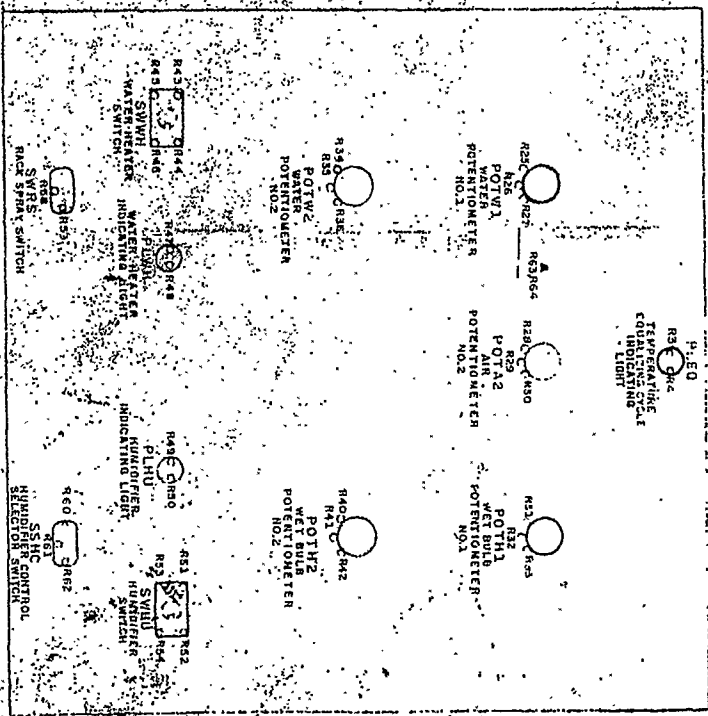
TECOWB



WATER TEMPERATURE CONTROLLER

AUXILIARY CONTROL CABINET REAR PANEL - FRONT VIEW
(LETTER "W" TERMINAL DESIGNATIONS)

AUXILIARY CONTROL CABINET FRONT PANEL - REAR VIEW - OPEN POSITION
(LETTER "A" TERMINAL DESIGNATIONS)



MODEL(S) DMC-(H)R WEATHER-OMETER WITH AUTOMATIC HUMIDITY CONTROL

ST. LOUIS ELECTRIC DEVICES CO.
221 N. RAVENSWOOD AVE.
CHICAGO, ILLINOIS 60613, U.S.A.

DMCR-21 300

FOR WEATHER-OMETER MODEL XW-R, DMC-R, SMC-R

LOCATION

MINIMUM OF 30" CLEARANCE ON LEFT SIDE OF UNIT FOR ACCESS TO AUXILIARY EQUIPMENT. MINIMUM OF 18" FROM THE WALL ON THE REAR AND RIGHT SIDE IN A WELL-VENTILATED ROOM.

ELECTRICAL CONNECTIONS

LINE VOLTAGE ON ALL MODELS: 208-250 VOLTS

SIZE OF FUSED WALL SWITCH REQUIRED:

MODEL	PHASE	FUSE	WIRE SIZE
XW-R	1	60 A.	NO. 4 AWG.
XW-R	3	50 A.	NO. 6 AWG.
DMC-R	1	70 A.	NO. 4 AWG.
DMC-R	3	45 A.	NO. 6 AWG.
SMC-R	1	45 A.	NO. 6 AWG.
SMC-R	3	35 A.	NO. 8 AWG.

Consult competent electrician on type and size of wires and conduits.

WATER PRESSURE

Minimum - 20 PSI. Maximum - 40 PSI.

A. Electric Power Input Box.

B. Auxiliary Control Cabinet.

C. Exhauster - 1" Dia. duct connection to outside.
On Model XW-R only.

D. Drain, Conditioning Chamber - 1/2" FIPT.

E. Drain, Test Chamber - 1 1/2" MIPT.

F. Water Inlet - 3/8" MIPT.

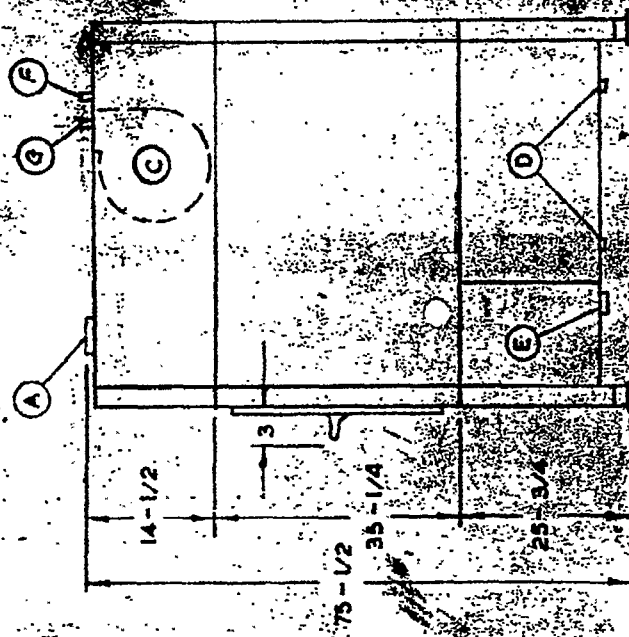
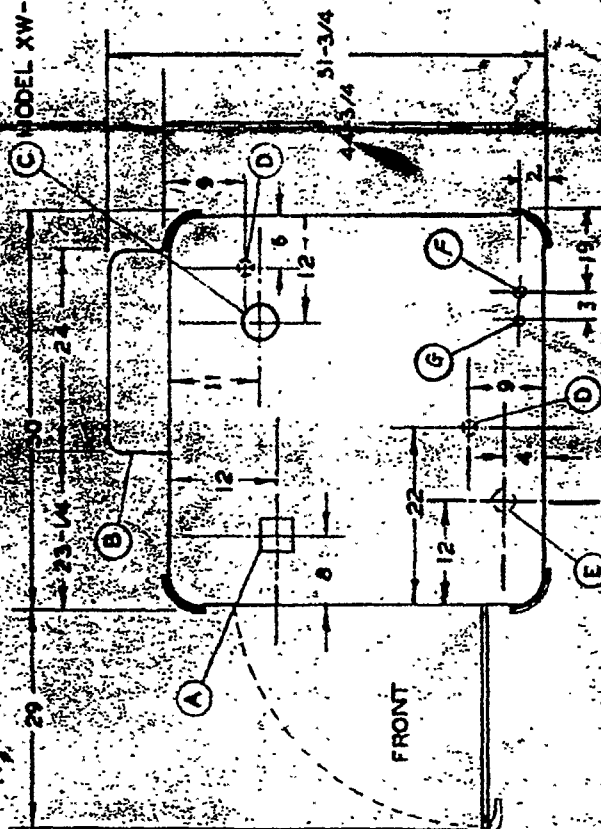
Specimen Spray on all models.

G. Water Inlet - 3/8" MIPT.

Drum Cooling Spray on Models SMC-R, SMC-HR, DMC-R, & DMC-HR.

None on Model XW-R.

MODEL XW-R ONLY

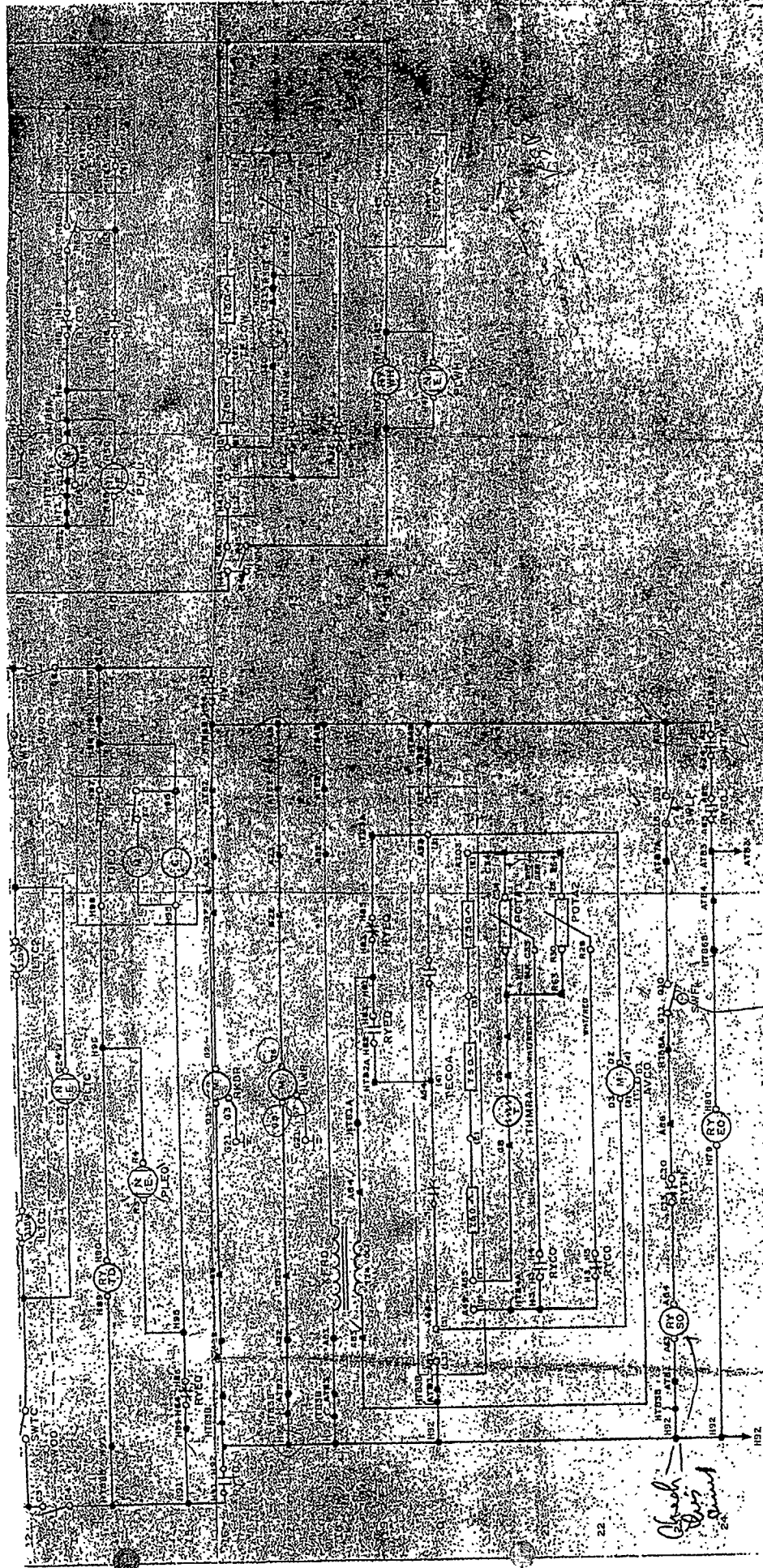


DIMENSION SHEET FOR INSTALLATION
OF WEATHER-OMETER WITH AUTOMATIC
HUMIDITY CONTROL.

ATLAS ELECTRIC DEVICES CO.
CHICAGO 13, ILL. U.S.A.

DWN BY REV. BY DATE: 7-6-54

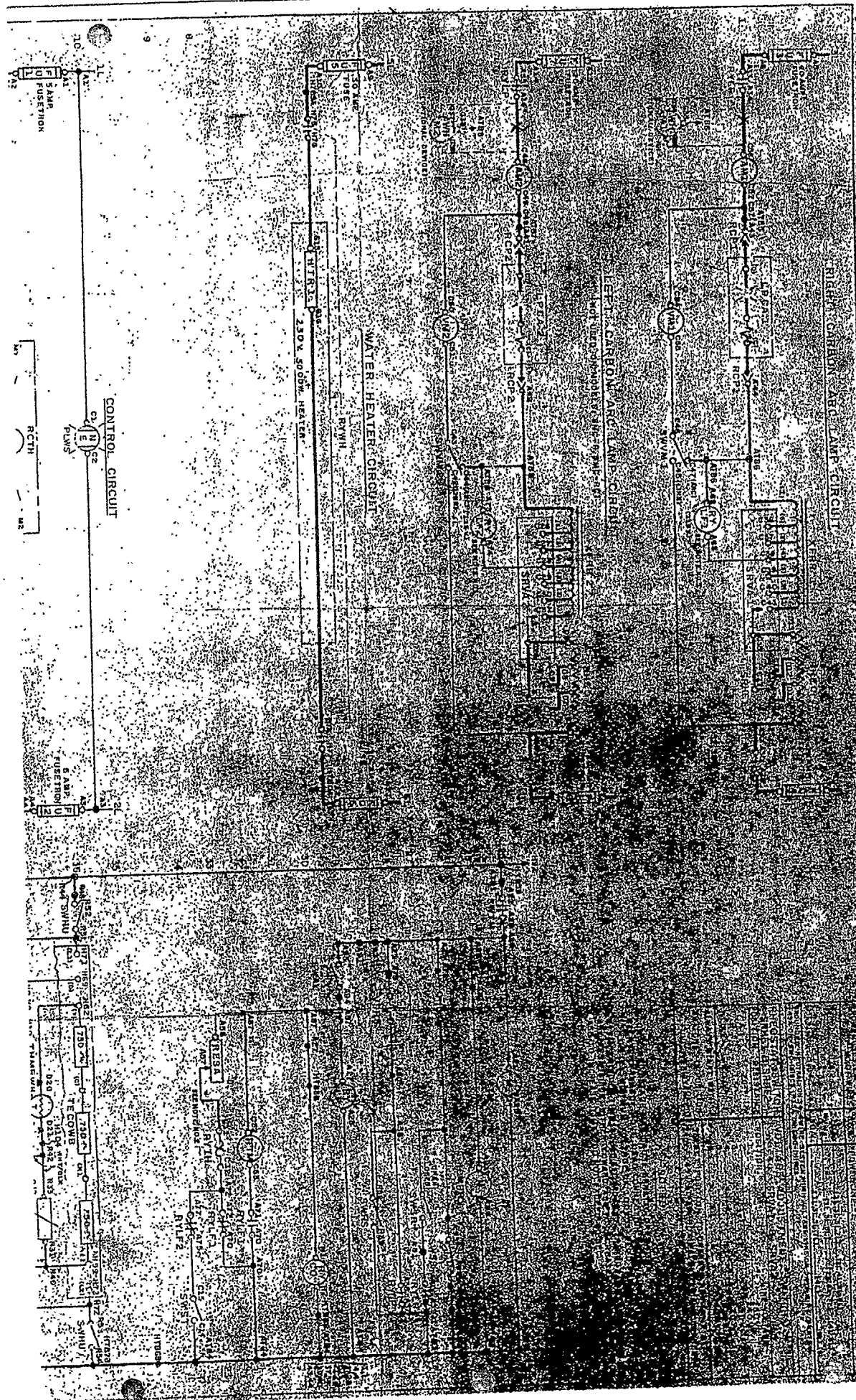
RRM 274 127 mm WO 70754D



SIMPLIFIED

ENCLOSED ARC-WEATHER-OMETERS-MODELS-DNC-HIR
TWIN CARBON ARC, AND SNC-(HIR) SINGLE CARBON ARC
FEATURES, AUTOMATIC HUMIDITY CONTROL
AND (OPTIONAL) WATTHOUR METERS

ATLAS ELECTRIC DEVICES CO. 2-27-55 D.W.B. WD22-0004
4114 N. RAVENSWOOD
SIMPLIFIED DIAGRAM 42



RIGHT CARBON ARC LAMP CIRCUIT

LEFT CARBON ARC LAMP CIRCUIT

WATER HEATER CIRCUIT

CONTROL CIRCUIT

5 AMP FUSE

5 AMP FUSE

5 AMP FUSE

5 AMP FUSE

5 AMP FUSE

5 AMP FUSE

5 AMP FUSE

5 AMP FUSE