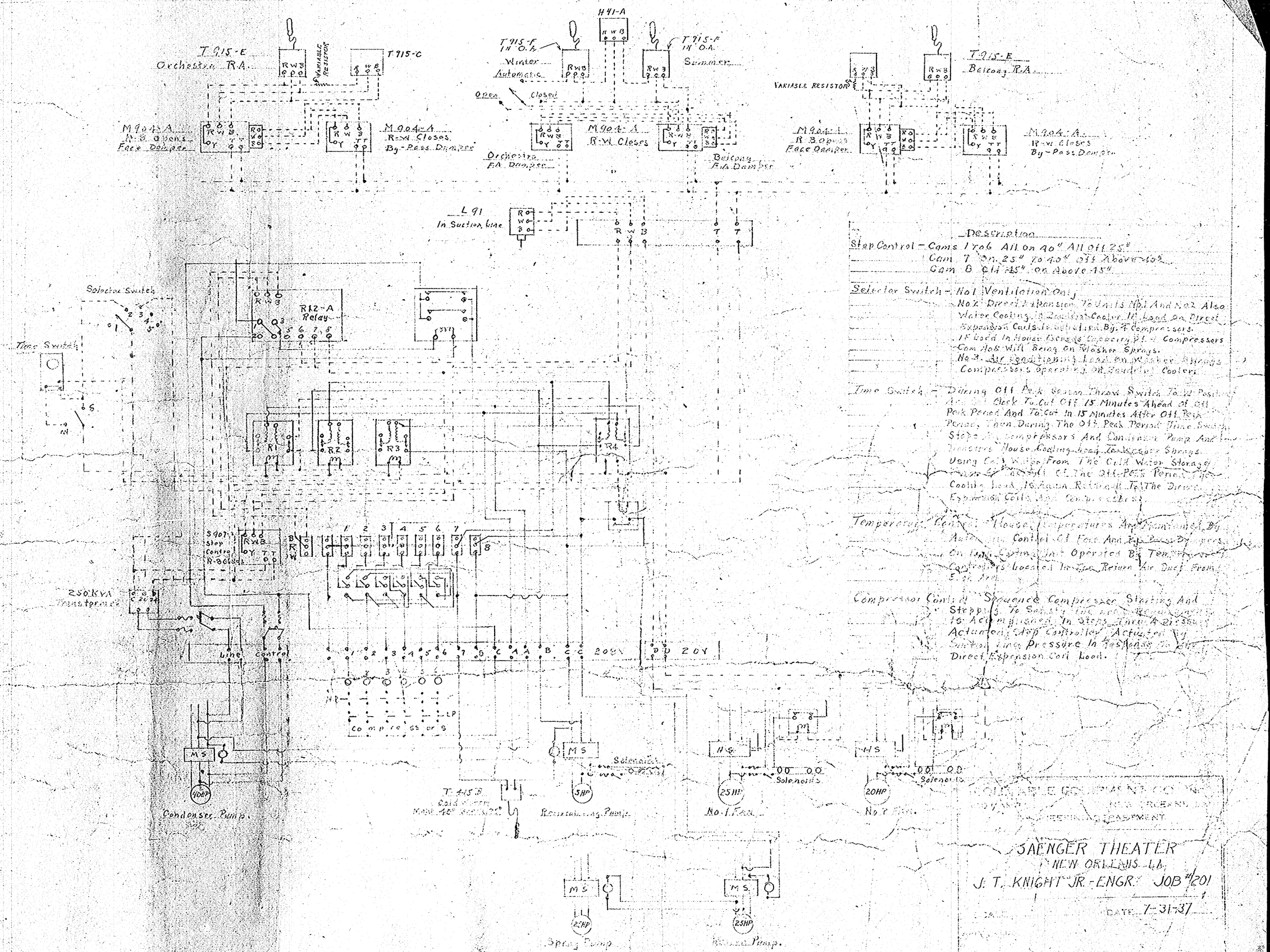
T 915-E
Orchestra R.A.
Variable Resistor
T 915-C
M 904-A
R.B. Opens
Face Damper
M 904-A
R-W Closes
By-Pass Damper
H 41-A
T 915-F
1H O.A.
Winter
Automatic
Open
Closed
T 915-F
1H O.A.
Summer
M 904-A
R-W Closes
Orchestra
F.A. Damper
Balcony
F.A. Damper
Variable Resistor
T 915-E
Balcony R.A.
M 904-A
R B Opens
Face Damper
M 904-A
R-W Closes
By-Pass Damper
L 91
In Suction Line
Selector Switch
Time Switch
R12-A
Relay
R1
R2
R3
R4
S907
Stop
Control
R-904
250 KVA
Transformer
Line
Control
Compressors
HP
LP
MS
10HP
Condenser Pump
T 415 B
Cold Water
Main 40° Sensitive
MS
5HP
Recirculating Pump
Solenoids
MS
25HP
No. 1 Fan
Solenoids
MS
20HP
No. 2 Fan
Solenoids
MS
2HP
Spray Pump
MS
25HP
Water Pump
Description
Step Control - Cams 1 to 6 All On 40" All Off 25"
Cam 7 On 25" To 40" Off Above 40"
Cam 8 Off 45" On Above 45"
Selector Switch - No 1 Ventilation Only
No 2 Direct Expansion To Units No 1 And No 2 Also
Water Cooling Is Provided Cooler 1H Load On Direct
Expansion Coils Is Satisfied By 4 Compressors.
If Load In House Exceeds Capacity Of 4 Compressors
Cam No 6 Will Bring On Washer Sprays.
No 3 Air Conditioning Load On Washer Sprays
Compressors Operating On Condenser Cooler.
Time Switch - During Off Peak Season Throw Switch To 12 Position
And Let Clock To Cut Off 15 Minutes Ahead Of Off
Peak Period And To Cut In 15 Minutes After Off Peak
Period, Then During The Off Peak Period Time Switch
Stops All Compressors And Condenser Pump And
Measures House Cooling Load To Washer Sprays
Using Cold Water From The Cold Water Storage
Tank At Beginning Of The Off-Peak Period. The
Cooling Load Is Again Returned To The Direct
Expansion Coils And Compressors.
Temperature Control - House Temperatures Are Maintained By
Automatic Control Of Face And By-Pass Dampers
On Air Conditioning Units Operated By Thermostats
Controls Located In The Return Air Duct From
Each Area.
Compressor Control - Sequence Compressor Starting And
Stopping To Satisfy The Air Requirements
Is Accomplished In Steps Thru A Pressure
Actuated Step Controller Actuated By
Suction Line Pressure In Response To
Direct Expansion Coil Load.
SAENGER THEATER
NEW ORLEANS LA.
J. T. KNIGHT JR. - ENGR. JOB #201
DATE 7-31-37