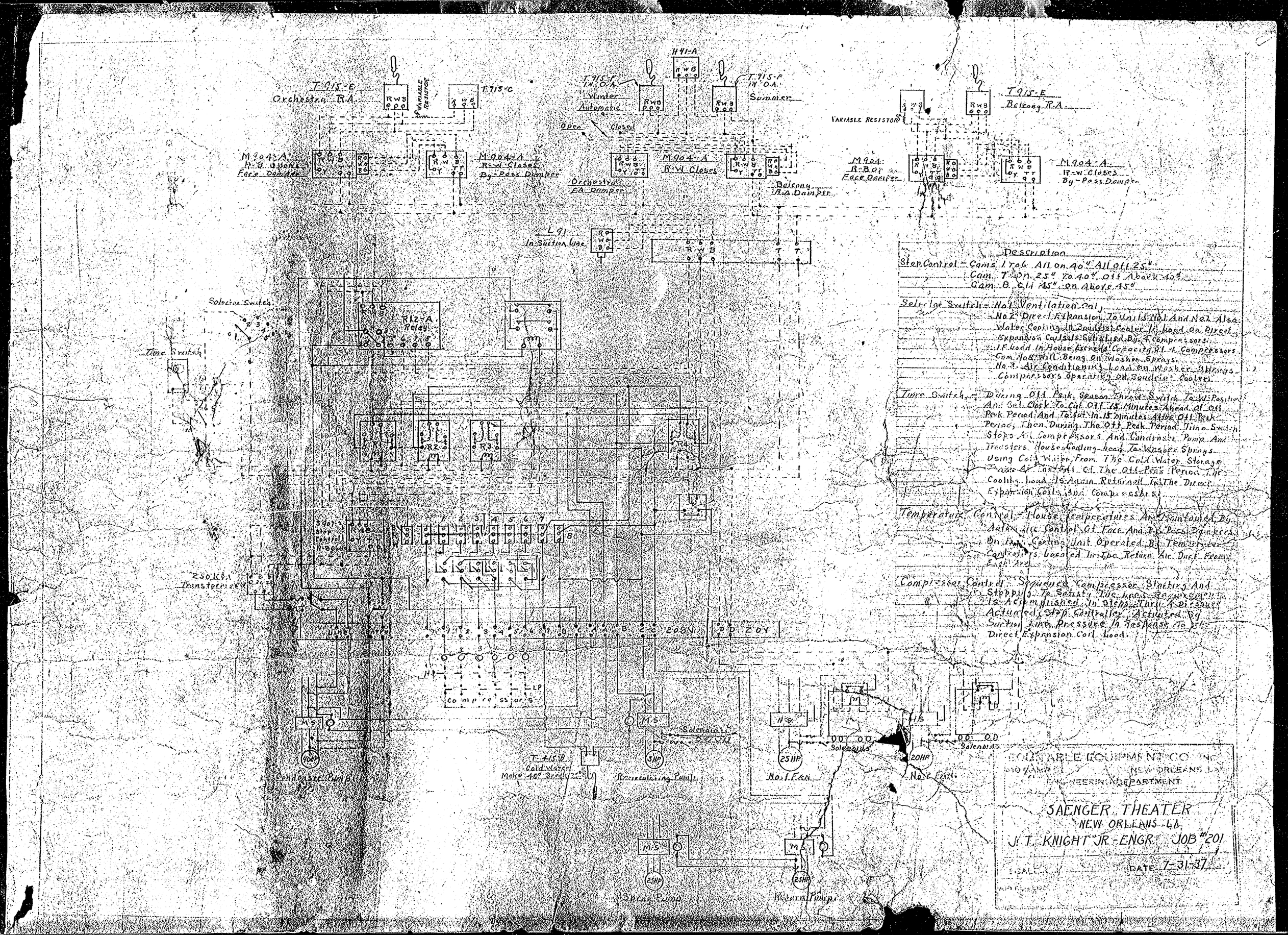

Description

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 Of Boulder Cooler If Load On Direct Expansion Coils Is Satisfied By 4 Compressors.
If Load In House Exceeds Capacity Of 4 Compressors Cam No. 8 Will Bring On Washer Sprays.
No. 3 Air Conditioning Load On Washer Sprays Compressors Operating Off Boulder Cooler.

Time Switch – During Off Peak Season Throw Switch To W. Position And Set Clock To Cut Off 15 Minutes Ahead Of Off Peak Period And To Cut In 15 Minutes Ahead Of Off Peak Period, Then During The Off Peak Period Time Switch Stops All Compressors And Condenser Pump And Transfers House Cooling Load To Washer Sprays Using Cold Water From The Cold Water Storage Now At Least 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 The Ceiling Unit Operated By Temperature Controllers Located In The Return Air Duct From Each Area.

Compressor Control – Sequence Compressor Starting And Stopping To Satisfy The Load Requirements Is Accomplished In Steps Thru 4 Pressures Actuated Step Controller Actuated By Suction Line Pressure In Response To The Direct Expansion Coil Load.

COLUMBIA EQUIPMENT CO. INC.
NEW ORLEANS LA.
ENGINEERING DEPARTMENT

SAENGER THEATER
NEW ORLEANS LA.
J. T. KNIGHT JR. ENGR. JOB #201

SCALE

DATE 7-31-37