

CONTROL DIAGRAM FOR INDIRECT GAS FIRED MAKE-UP AIR UNITS
NOT TO SCALE

COMPONENT IDENTIFICATION FOR INDIRECT GAS FIRED MAKE-UP AIR UNITS	
SYMBOL	COMPONENT
F-3	CONTROL FUSE
F-4	INDUCED DRAFT FUSE
MTR-1	MAIN SUPPLY FAN MOTOR
MTR-2	INDUCED DRAFT FAN MOTOR
MTR-4	MODUTROL MOTOR
MTR-5	DAMPER MOTOR
MTR-6	BURNER MOTOR
S-1	MAIN FAN MOTOR STARTER
S-2	ID FAN MOTOR STARTER
R-2	BURNER RELAY
R-3	PRE-PURGE RELAY
R-5	LOW FIRE RELAY
R-6	LOW FIRE HOLD RELAY
R-16	ALARM CIRCUIT RELAY
PC-1	ROOM THERMOSTAT
PC-6	DUCTSTAT
TR-1	CONTROL TRANSFORMER
TR-2	GAS IGNITION TRANSFORMER
TR-4	MODUTROL MOTOR TRANSFORMER
TR-5	DAMPER MOTOR TRANSFORMER
TR-6	ALARM CIRCUIT TRANSFORMER
SW-1	MAIN DISCONNECT SWITCH
SW-2	FAN SELECTOR SWITCH
SW-3	HIGH LIMIT SWITCH
SW-4	FAN SWITCH
SW-5	DRAFT PROVING SWITCH
SW-6	LOW-GAS CUTOFF SWITCH
SW-10	AUXILIARY END SWITCH NO 1
SW-11	AUXILIARY END SWITCH NO 2
SW-16	DIFFERENTIAL SWITCH
SW-18	LOW FIRE TEST SWITCH
SW-20	HEAT VENT SWITCH
VG-1	PILOT GAS VALVE
VG-2	MAIN GAS VALVE
VG-3	AUXILIARY MAIN GAS VALVE
L-1	FAN ON LIGHT (GREEN)
L-2	BURNER ON LIGHT (WHITE)
L-3	ALARM LIGHT (RED)
MP-1	DAMPER MOTOR POTENTIOMETER

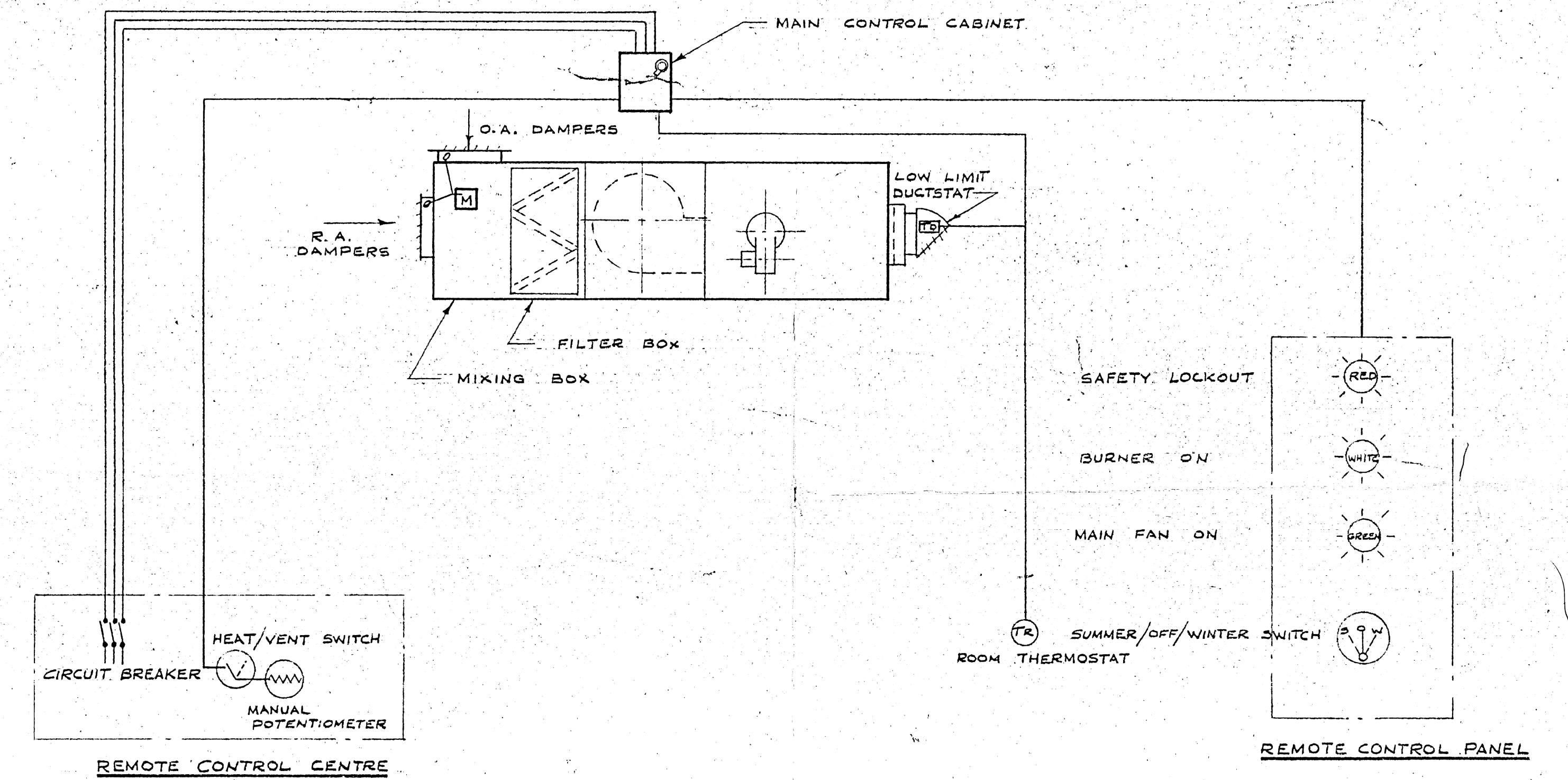
--- DENOTES WIRING BY OTHERS
 ○ DENOTES TERMINALS IN REMOTE CONTROL STATION
 □ DENOTES TERMINALS IN MAIN PANEL

B - BLACK BR - BROWN Y - YELLOW OR - ORANGE
 BL - BLUE W - WHITE R - RED

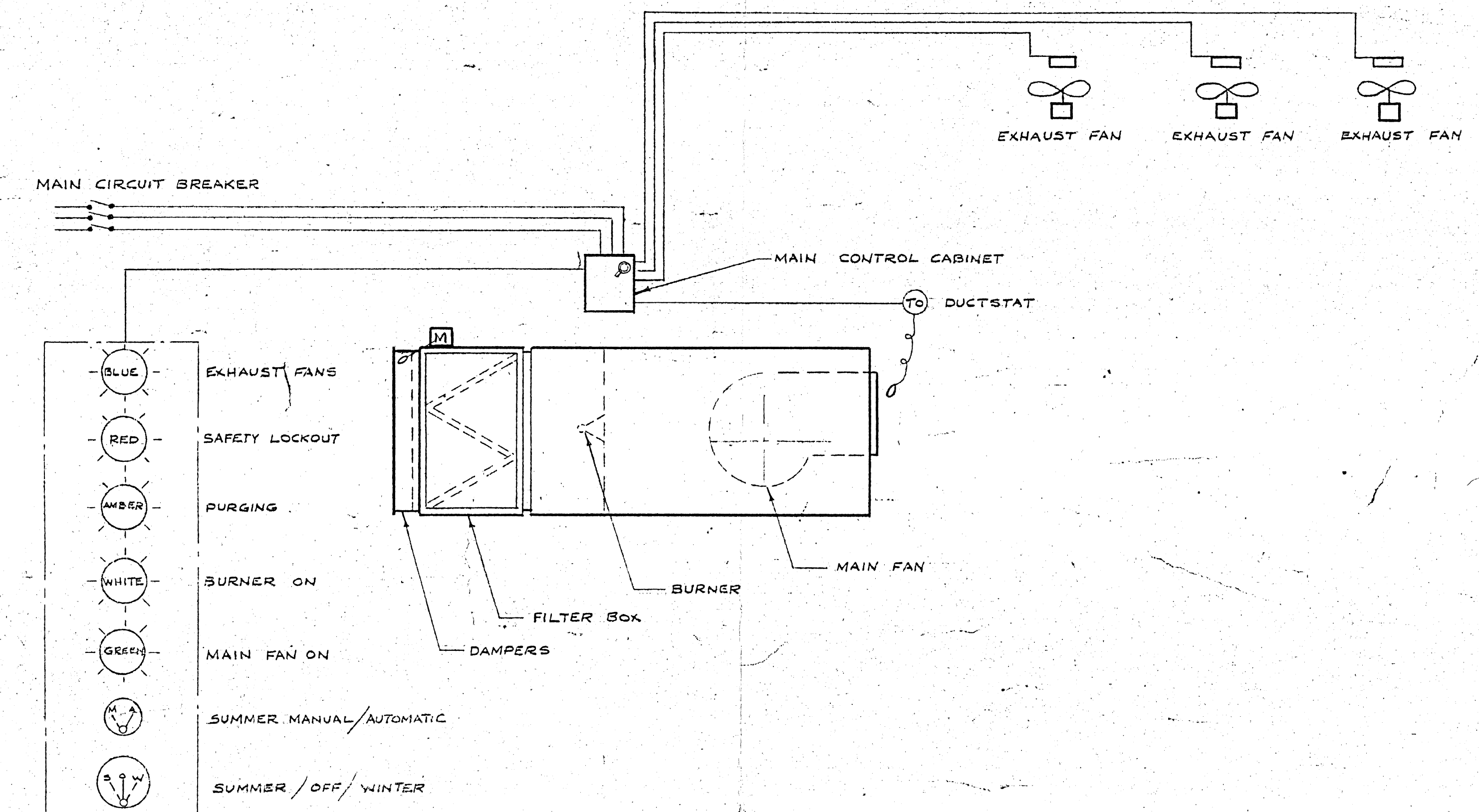
COMPONENT IDENTIFICATION FOR DIRECT GAS FIRED MAKE-UP AIR UNITS	
SYMBOL	COMPONENT
MTR-1	MAIN SUPPLY FAN MOTOR
MTR-4	MODUTROL MOTOR
MTR-6	DAMPER MOTOR
MTR-6	PREMIK BURNER MOTOR
S-1	MAIN FAN MOTOR STARTER
S-2	BURNER MOTOR STARTER
R-2	BURNER RELAY
R-12	PURGING TIMING RELAY
R-15	LOW FIRE HOLD RELAY
R-16	ALARM CIRCUIT RELAY
PC-6	AIR DISCHARGE THERMOSTAT
VG-1	PILOT GAS VALVE
VG-2	MAIN GAS VALVE
VG-3	AUXILIARY MAIN GAS VALVE
TR-1	CONTROL VOLTAGE TRANSFORMER
TR-2	GAS IGNITION TRANSFORMER
TR-4	MODUTROL MOTOR TRANSFORMER
TR-6	ALARM CIRCUIT TRANSFORMER
TR-8	HEATER TRANSFORMER
SW-1	MAIN DISCONNECT SWITCH
SW-3	HIGH LIMIT SWITCH
SW-5	MAIN FAN PROVING SWITCH
SW-6	LOW-GAS CUTOFF SWITCH
SW-7	HIGH-GAS CUTOFF SWITCH
SW-10	DAMPER MOTOR END SWITCH
SW-16	MIXER DIFFERENTIAL SWITCH
SW-17	EXHAUST FAN PROVING SWITCH
SW-18	SUMMER MANUAL/AUTOMATIC SWITCH
HTR-2	HEATERS FOR MOTOR # 4 & MOTOR 5

* SHORT BETWEEN TERM 14 & 15 WHEN NOT REQUIRED.

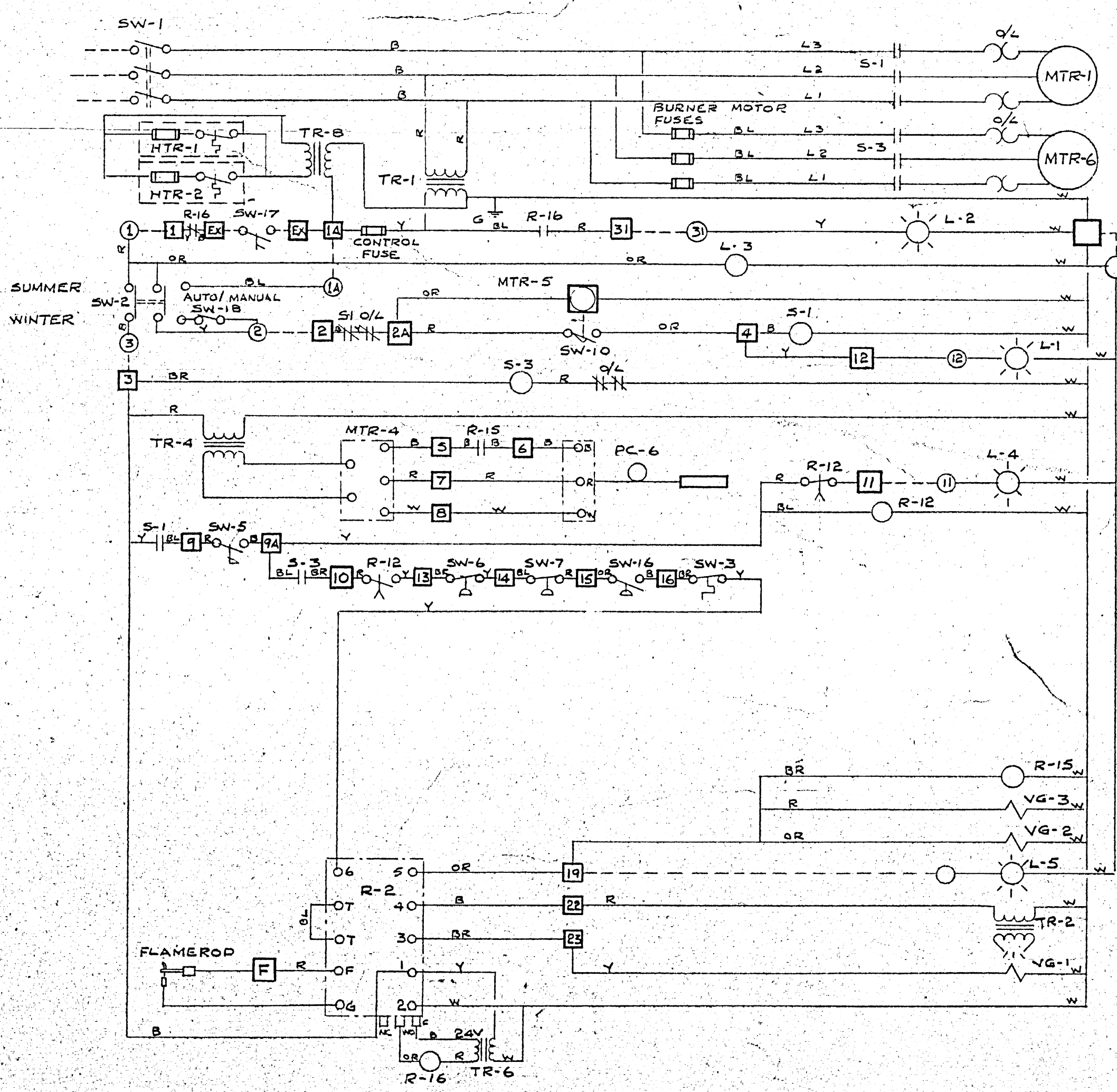
REMOTE CONTROL STATION	
SYMBOL	COMPONENT
SW-2	SUMMER-OFF-WINTER SWITCH
L-1	GREEN LIGHT - MAIN FAN
L-2	RED LIGHT - ALARM
L-3	BLUE LIGHT - EXHAUST FAN
L-4	AMBER LIGHT - PURGING
L-5	WHITE LIGHT - MAIN FLAME



WIRING DIAGRAM FOR INDIRECT GAS FIRED MAKE-UP AIR UNIT
NOT TO SCALE



WIRING DIAGRAM FOR DIRECT GAS FIRED MAKE-UP AIR UNIT
NOT TO SCALE



CONTROL DIAGRAMS FOR DIRECT GAS FIRED MAKE-UP AIR UNITS
NOT TO SCALE

B-14
FILE

RETURN TO CIVIC
PROPERTIES BUILDING
INVENTORY.

2911

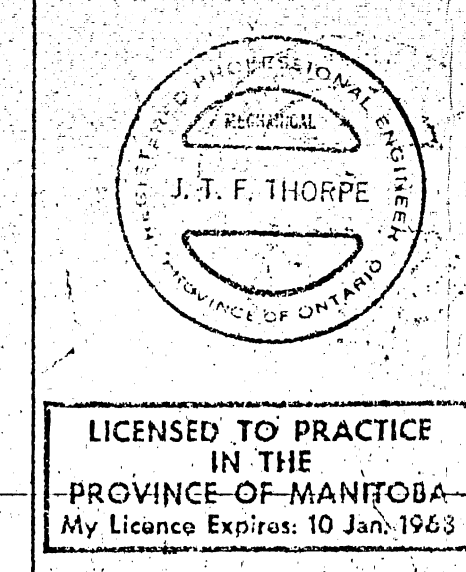
2185-614

DATE	ISSUE NO.	REV.	DESCRIPTION	DRAWN BY
24/1/60	1	0	AS BUILT	R.M.C.
21/3/63	3	0	FOR CONSTRUCTION	
19/1/68	2	0	FOR TENDER	
20/10/67	1	0	FOR APPROVAL	

ISSUE OR REVISION	
METROPOLITAN CORPORATION OF GREATER WINNIPEG STREETS AND TRANSIT DIVISION	
TRANSIT STORAGE AND SHOP FACILITIES	
HEATING & VENTILATING - CONTROL DIAGRAMS	

APPROVED	DATE	SCALE	DRAWN BY
<i>[Signature]</i>	AUGUST '67	NOT TO SCALE	<i>[Signature]</i>

FILE NO.	PROJECT NO.	DATE	SCALE



LICENSED TO PRACTICE
IN THE
PROVINCE OF MANITOBA
My Licence Expires: 10 Jan. 1965

ARCHITECTS
Walsman Ross + Blankstein Coop Gillmor Hanna
175 LITTLE STREET, WINNIPEG, MANITOBA

2185-614
MECHANICAL