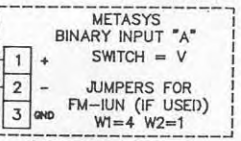
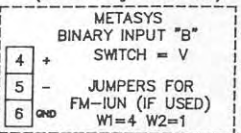
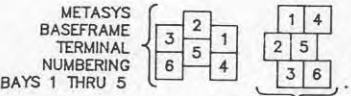


TERMINAL ARRANGEMENT FOR FAN STATUSES WIRED TO INPUT "B" (REFER Dwg. 1501-16C)



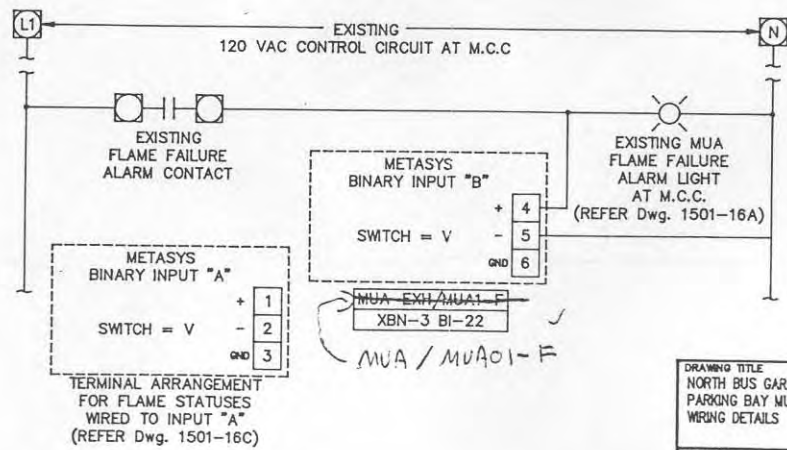
MUA-EXH/MUA1-S
XBN-3 BI-11

MUA/MUA01-S
XBN-3 BI-11 ✓



1MTR	BLOWER MOTOR	
1MC	MAGNETIC STARTER	BLOWER MOTOR
10Ls	THERMAL OVERLOADS	BLOWER MOTOR
T1	LINE/110VAC TRANSFORMER	FOR CONTROL CIRCUIT
TS1	SERVICE ON/OFF SWITCH	AT MUA MAIN CONTROL PANEL
EPS-1	EXHAUST PROVING SWITCH	FIELD SUPPLIED AND INSTALLED
1CR2	LOCKOUT RELAY	N.O. CONTACTS
2MTR	DAMPER MOTOR	
1LS	DAMPER END SWITCH	DAMPERS MUST BE FULLY OPEN TO ALLOW BLOWER MOTOR TO START
1M1	MAGNETIC STARTER	N.O. AUXILIARY CONTACTS
1M	STARTING RELAY	BLOWER MOTOR
20Ls	MAGNETIC STARTER	N.C. AUXILIARY CONTACTS
SW-3	SUMMER/WINTER SWITCH	FIELD SUPPLIED AN INSTALLED
HLATS	HI LIMIT AIR TEMP SWITCH	165F MANUAL RESET
LAPS	LOW AIRFLOW DIFF. PRESS SWITCH	LOCKS OUT BURNER ON LOW AIRFLOW
HAPS	HIGH AIRFLOW DIFF. PRESS. SWITCH	LOCKS OUT BURNER ON HIGH AIRFLOW
FR1	FLAME ROD	FOR PILOT FLAME
SI	SPARK IGNITION	
T3	110/24VAC TRANSFORMER	
T4	110/24VAC TRANSFORMER	
4MTR	SAFETY SHUT-OFF VALVE ACTUATOR	
1SOL	SOLENOID VALVE	FOR PILOT FLAME
T2	110/60000V IGNITION TRANSFORMER	
5MTR	MAIN GAS VALVE ACTUATOR	
TC	DISCHARGE AIR TEMP CONTROLLER	0 TO 75F
TSB	TEMPERATURE SENSING BULB	IN DISCHARGE AIR STREAM
CLL	CABINET LOW LIMIT THERMOSTAT	20F
1CR	LOCKOUT RELAY	
BRK	5A CIRCUIT BREAKER	

NOTE: TERMINALS 5 & 22, 6 & 21 MAY BE USED FOR CONNECTION OF AUXILIARY SAFETY DEVICES



LEGEND

(n) EXISTING M.C.C. OR MUA TERMINALS

(n) METASYS BASEFRAME TERMINALS

MAKE-UP AIR UNIT MUA-1 WIRING
TYP. FOR MUA-2 THRU 10

DRAWING TITLE
NORTH BUS GARAGE
PARKING BAY MUA-1 TO 10
WIRING DETAILS

PROJECT
MINNEAPOLIS TRANSIT
METASYS FACILITY
MANAGEMENT SYSTEM

FILE: N-PRKMUA			
1	AS BUILT	05/29/11	JHF
NO.	REVISION-LOCATION	ECN	DATE/BY
SALES ENGR	PROJECT MGR	APPL ENGR	DRAWN
BH	DM	JHF	WT CR
DATE	05/29/11	DATE	DATE
CONTRACT NUMBER 90098-0310		DRAWING NUMBER 1501-19	

JOHNSON CONTROLS
Systems & Services Division