

A
B
C
D
E

one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

A
B
C
D
E

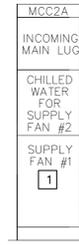
SYMBOLS LIST	
FIRE ALARM SYSTEM	
SYMBOL	DESCRIPTION
	DUCT MOUNTED SMOKE DETECTOR
	FAN SHUTDOWN
	REMOTE SMOKE DETECTOR TEST SWITCH
LINE STYLES	
SYMBOL	DESCRIPTION
	INDICATES NEW DEVICE OR EQUIPMENT
	INDICATES EXISTING DEVICE OR EQUIPMENT
	INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED
MISCELLANEOUS	
SYMBOL	DESCRIPTION
	REFERENCE TO DRAWING NOTE
POWER	
SYMBOL	DESCRIPTION
	MOTOR CONNECTION. DESIGNATION REFERS TO ELECTRIC EQUIPMENT CONTROL SCHEDULE
	VARIABLE FREQUENCY DRIVE. DESIGNATION REFERS TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE
POWER DISTRIBUTION	
SYMBOL	DESCRIPTION
	EXISTING PANELBOARD
	480Y/277 VOLT BRANCH CIRCUIT PANELBOARD. REFER TO PANELBOARD SCHEDULES

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE													GENERAL NOTES:			
ITEM NO.	NAME	ROOM LOCATION	HP	KW	Φ	VOLTS	PANEL OR CONTROL CENTER	CIRCUIT BREAKER	WIRING FROM PANEL TO CONTROL UNIT	WIRING FROM CONTROL UNIT TO EQUIPMENT	DISCONNECT SWITCH		MOTOR STARTER / CONTROLLER NOTES	CONTROLLER LOCATION	NEMA RATING	NOTES
											SWITCH AMPS	FUSE SIZE				
1	FAN ARRAY #1	PENTHOUSE		83	3	480	MCC2A	150A/3P	(4)#2/0; #6EG IN 2" C	(4)#2/0; #6EG IN 2" C	-	-	10,14	AU	-	
2	FAN ARRAY #2	PENTHOUSE		28.3	3	480	MCC3	50/3P	(4)#6; #10EG IN 1" C	(4)#6; #10EG IN 1" C	-	-	10,14	AU	-	

GENERAL NOTES:
 A. ALL DEVICES PROVIDED BY THE DIVISION 16 CONTRACTOR.
 B. ITEM NUMBER INDICATES EQUIPMENT NUMBER.
 C. ALL CONTROL DEVICES ARE TO BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
 D. PROVIDE OVERLOADS, SIZE AS REQUIRED BY DIVISION 15 CONTRACTOR.
 E. "AU" INDICATES CONTROL DEVICE LOCATED AT UNIT.
 F. "NF" INDICATES NON-FUSED.

- MOTOR STARTER/CONTROLLER NOTES:**
1. MOTOR RATED SWITCH
 2. MANUAL MOTOR STARTER
 3. MANUAL MOTOR STARTER WITH RELAY
 4. MAGNETIC STARTER
 5. COMBINATION MAGNETIC STARTER
 6. VARIABLE FREQUENCY DRIVE
 7. COMBINATION TWO SPEED MAGNETIC STARTER
 8. COMBINATION REDUCED VOLTAGE MAGNETIC STARTER
 9. DUPLEX CONTROLLER WITH ALTERNATION CIRCUIT
 10. PACKAGED CONTROL UNIT
 11. H-O-A SELECTOR SWITCH IN COVER
 12. PILOT LIGHT IN COVER
 13. REMOTE START-STOP PUSHBUTTONS
 14. FIRE ALARM FAN SHUTDOWN
 15. LINE-VOLTAGE THERMOSTAT

NOTES:



ELEVATION AT MCC2A - REMOVAL AND NEW WORK 1
NO SCALE

ELEVATION AT MCC3 - REMOVAL AND NEW WORK 2
NO SCALE

REMOVAL NOTES:

- ① DISCONNECT AND REMOVE MCC BUCKET AND ALL ASSOCIATED ELECTRICAL WORK ASSOCIATED WITH SUPPLY FAN #1 IN ITS ENTIRETY.

REMOVAL NOTES:

- ① DISCONNECT AND REMOVE MCC BUCKET AND ALL ELECTRICAL WORK ASSOCIATED WITH SUPPLY FAN #2 IN ITS ENTIRETY.

DRAWING NOTES:

- ① PROVIDE 150A/3P BREAKER IN MCC BUCKET AND RUN (4)#2/0; #6EG IN 2" C THROUGH DAMPER END SWITCH TO VFD CONTROLLING FAN ARRAY IN UNIT #1.

DRAWING NOTES:

- ① PROVIDE 50A/3P BREAKER IN MCC BUCKET AND RUN (4)#6; #10EG IN 1" C THROUGH DAMPER END SWITCH TO VFD CONTROLLING FAN ARRAY IN UNIT #1.

VA WESTERN NEW YORK HEALTHCARE SYSTEM 3495 BAILEY AVENUE BUFFALO, NEW YORK 14215 IBC ENGINEERING, P.C. 2495 MAIN STREET, SUITE 318 BUFFALO, NEW YORK 14214		CLINICAL ENGINEERING DATE ENGINEERING MANAGER DATE INFECTION CONTROL DATE CARELINE MANAGER DATE SAFETY OFFICER DATE CHIEF OF STAFF DATE	Drawing Title ELECTRICAL DETAILS AND SCHEDULES Project Title E-WING FANWALL INSTALLATION Building Number 1 Checked JFW Drawn JTR Location V.A.M.C. BUFFALO, NEW YORK	Date SEPTEMBER 27, 2013 Station No. 528 14-S04-E500
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