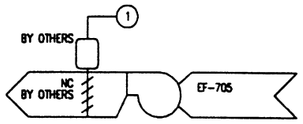
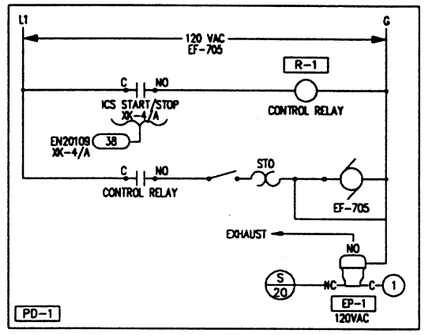
CONTOL CENTER MECHANICAL ROOM VENTILATION

TOILET EXHAUST FAN EF-705

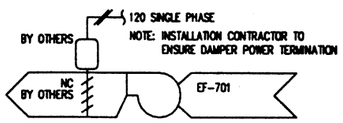


EF TAG	HP	CAPACITY	SERVICE
EF-705	1/4	1300 CFM	TOILETS/LOCKERS

Motor Control

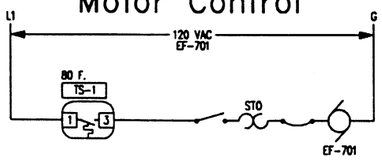


EXHAUST FAN EF-701



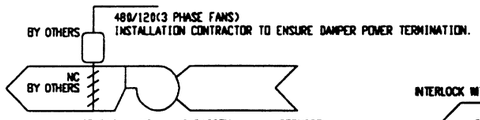
EF TAG	HP	CAPACITY	SERVICE
EF-701	1/4	250 CFM	JAN CLOSET C015

Motor Control



EXHAUST FAN EF-703,706,707,709,710 & 711

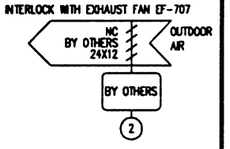
(TYPICAL FOR SIX)



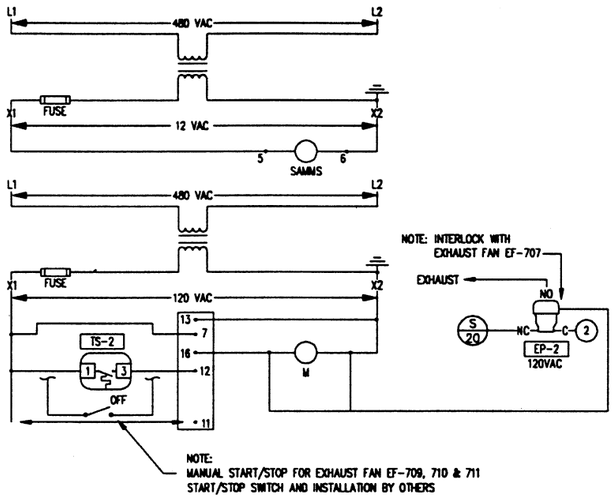
EXHAUST FANS, EF-706, 710 AND 711 ARE 120 VAC.

EF TAG	HP	CAPACITY	SERVICE
EF-703	1/2	1750 CFM	TRUCK AIR LOCK
EF-706	1/2	600 CFM	ELEV MACHINE ROOM
EF-707	1/2	1500 CFM	MECH ROOM C208
EF-709	1/2	1200 CFM	WELDING FUME EXHAUST
EF-710			COMPUTER ROOM EXHAUST
EF-711			COMPUTER ROOM EXHAUST

INTERLOCK WITH EXHAUST FAN EF-707

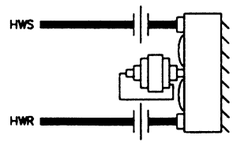


Motor Control

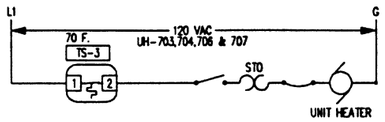


UNIT HEATERS WITH VALVE UN-703,704,706 & 707

(TYPICAL FOR FOUR)



Motor Control



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FIELD MATERIAL

DEVICE TAG	QTY	CODE NUMBER	DESCRIPTION
EP-2	1	V-2410-2	VALVE, SOL. AIR, 3-WAY
PB-1	1	BZ-1000-6	ENCLOSURE; 8-1/4"X6-1/4"
TE-3	1	TE-6000-4	SENSOR, 1000 OHM +/- .25%
	1	T-4002-2126	COVER NI HORIZ CONC ND-T
	1	TE-6081-4	ELEMENT HOLDER F/TE &
TS-1-TS-2	4	T26J-7C	LINE VOLTAGE THERMOSTAT
TS-3-TS-4	6	T26A-14C	LINE VOLTAGE THERMOSTAT

PANEL MATERIAL

DEVICE TAG	QTY	CODE NUMBER	DESCRIPTION
EP-1	1	V-2410-2	VALVE, SOL. AIR, 3-WAY
R-1	1	HG46A1	ALLEN BRADLEY RELAY-ALLEN-BRAD

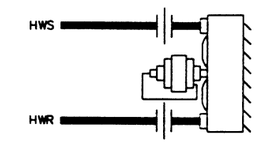
SEQUENCE OF OPERATIONS

TEMPERATURE SWITCHES, TS-1 AND TS-2 WILL CYCLE EXHAUST FANS, EF-701, 703, 706 AND 707 TO MAINTAIN A SPACE TEMPERATURE OF 80 F.(ADJUSTABLE)
EXHAUST FAN EF-709, 710, 711 WILL BE MAUALLY START/STOP
WHEN THE EXHAUST FANS EF-701, 703, 706, 707, 709, 710, 711 START THE ASSOCIATED DAMPERS WILL OPEN.
WHEN THE EXHAUST FAN EF-707 STARTS THE ASSOCIATED OUTDOOR AIR DAMPER WILL OPEN.

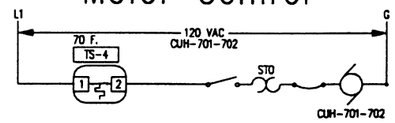
THE TOILET EXHUAST FAN EF-705 WILL BE STARTED AS SCHEDULE BY THE ICS.
WHEN THE EXHAUST FAN EF-705 STARTS THE ASSOCIATED DAMPER WILL OPEN.
TEMPERATURE SWITCHES, TS-3 WILL CYCLE UNIT HEATERS, UN-703,704,706 AND 707.
TEMPERATURE SWITCHES, TS-4 WILL CYCLE CABINET UNIT HEATERS, CUH-701 AND CUH-702
MECHANICAL ROOM TEMPERATURE, TE-3 WILL BE A POINT OBJECT ON THE ICS NETWORK.

CABINET UNIT HEATERS WITH VALVE UN-701 & 702

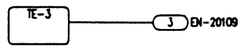
(TYPICAL FOR TWO)



Motor Control



MECHANICAL ROOM TEMPERATURE TE-3



FILE: EF-70X
DCODE: 19930610.1107

DRAWING TITLE
Exhaust Fans for Mechanical Room Ventilation
EF-701, 703, 706 and 707

REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		RECORD		06/08/94	SF
	5	ADD ICS POINTS		06/10/93	DCS

SALES ENGR	PROJECT MGR	APPL. ENGR	DRAWN		APPROVED	
JP	SF	DCS	BY SF	DATE 03/31/93	BY	DATE

PROJECT
The Argonne National Labs
Advanced Photon Source Campus
9700 Cass Avenue South
Argonne, IL 60439

JOHNSON CONTROLS
Systems & Services Division
3007 MALMO ROAD
ARLINGTON HEIGHTS
ILLINOIS 60005
708/364-1500 Main
708/808-4438 Eng

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