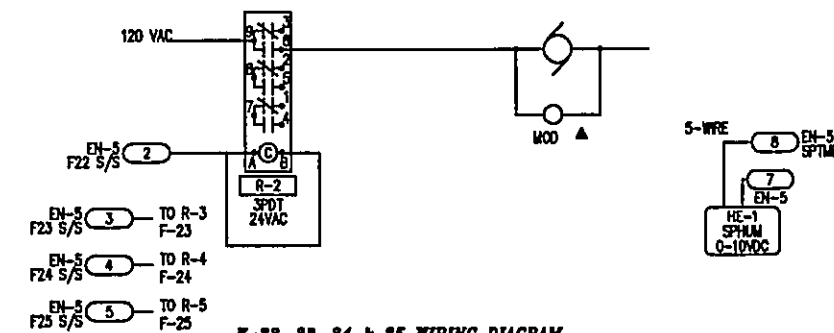
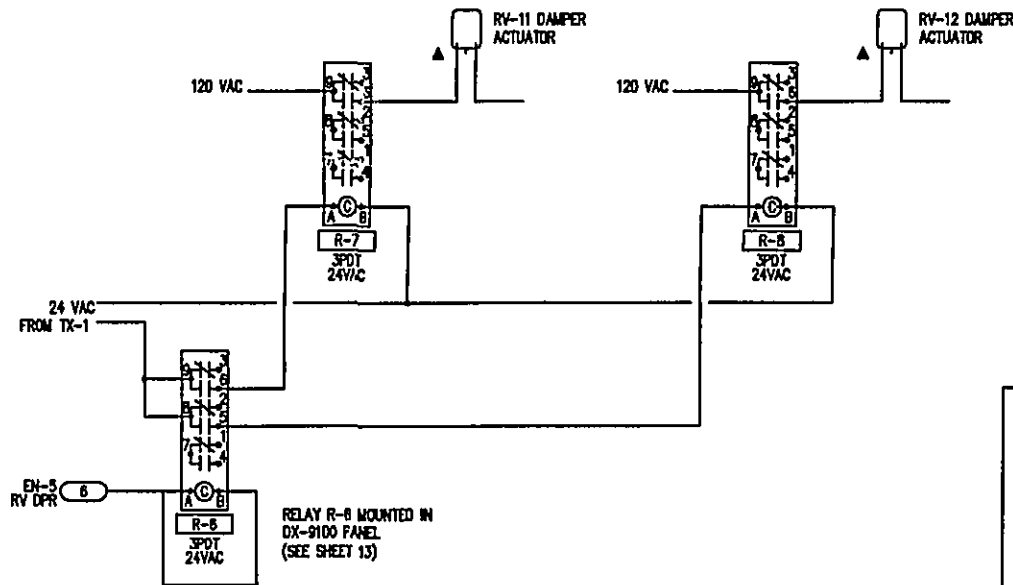


F-21 WIRING DIAGRAM



F-22, 23, 24 & 25 WIRING DIAGRAM

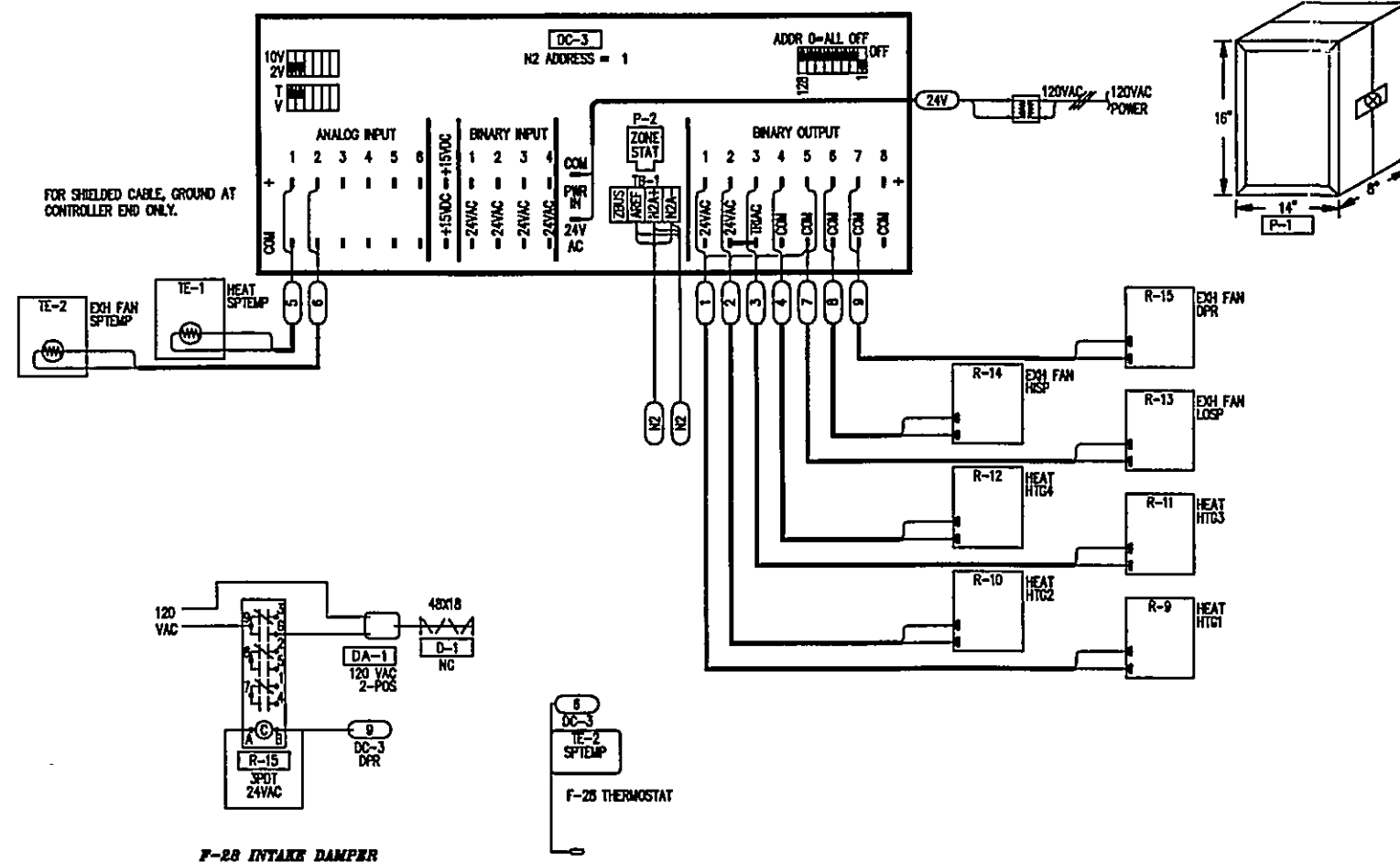


RV-11 & 12 DAMPER CONTROL

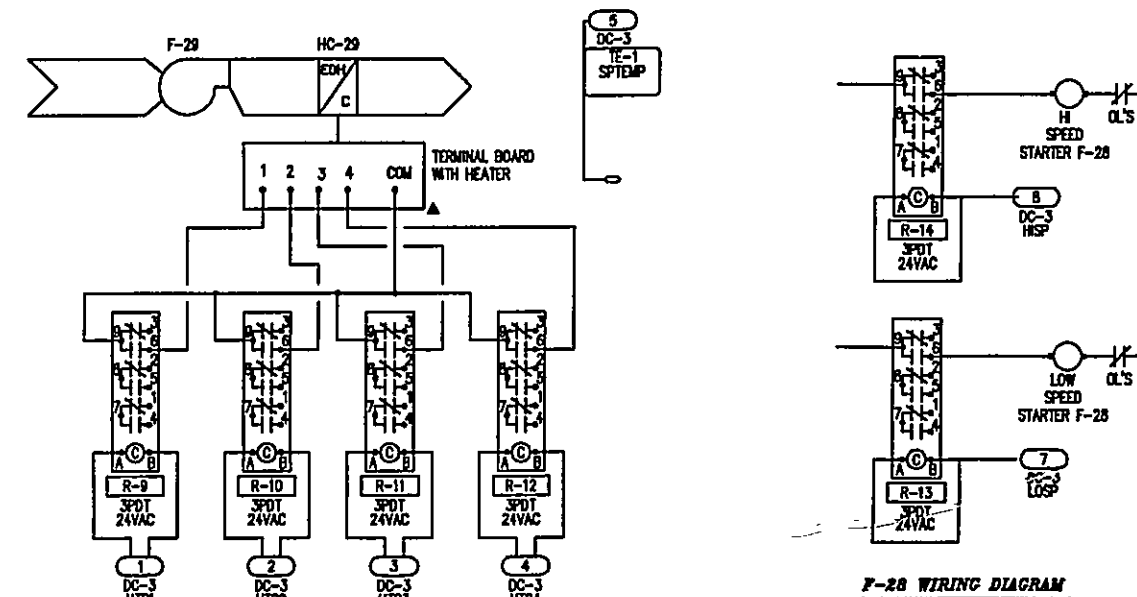
FIELD MATERIAL			
DEVICE TAG	QTY	CODE NUMBER	DESCRIPTION
D-1	1	AF120	SEE DAMPER SCHEDULE
DA-1	1	HE-6310-2	ELEC ACTUATOR-BELT/NO
FE-1	1	TE-1810-5600	TRANS RV/TEMP/WALL 0/100X
R-1-R-2,	12	PD-109-21	RELAY, PLUG IN 3PDT
R-7-R-12,			
R-15			
	12	82-1010-11	UTILITY ENCLOSURE
	12	PD-101-35	RELAY SOCKET, 11PIN BLADE
R-6,	3	PD-109-21	RELAY, PLUG IN 3PDT
R-13-R-14			
	3	PD-101-35	RELAY SOCKET, 11PIN BLADE
TE-1-TE-2	2	TE-6314P-1	TEMP SENSOR, 1000 OHM, NI

PANEL MATERIAL			
DEVICE TAG	QTY	CODE NUMBER	DESCRIPTION
DC-3	1	AS-UNT110-0	UNITARY C W/D ENC 0500LOAD
	1	Y65AR-1C	TRANSFORMER
P-1	1	AB-16148-M	NEHA 12 ENCLOSURE-AUSTIN CD
	1	AB-1614-P	SUBPANEL-AUSTIN CD

BAY	TERM	CONDUCTOR	DEVICE	SYSTEM	OBJECT	EXPANDED ID	REFERENCE DETAIL
CONTROLLER: DC-3							
AI	A11		TE-1	HEAT	SPTMP	SPACE TEMPERATURE	---
AI	A12		TE-2	EXH FAN	SPTMP	SPACE TEMPERATURE	---
BO	B01		R-9	HEAT	HTG1	HEATING 1	---
BO	B02		R-10	HEAT	HTG2	HEATING 2	---
BO	B03		R-11	HEAT	HTG3	HEATING 3	---
BO	B04		R-12	HEAT	HTG4	HEATING 4	---
BO	B05		R-13	EXH FAN	LOSP	F-28 LO SPEED STARTER	---
BO	B06		R-14	EXH FAN	HSP	F-28 HI SPEED STARTER	---
BO	B07		R-15	EXH FAN	DPR	F-28 HI SPEED INTAKE DPR	---
BO	B08						---
120VAC							
AI	A11		HE-1	EXH FAN	SPHUM	SPACE HUMIDITY	L-HE-63x0-3TVIST
AI	A12		HE-1	EXH FAN	SPTMP	SPACE TEMPERATURE	L-RTD-2TVIST
BI	B11					BLDG FIRE ALARM SYSTEM	L-B1N-2TVIST-M
BO	B03		R-1	EXH FAN	F1 S/S	F-1 START/STOP	L-BOUT-24V-2TVI
BO	B04		R-2	EXH FAN	F22 S/S	F-22 START/STOP	L-BOUT-24V-2TVI
BO	B05		R-3	EXH FAN	F23 S/S	F-23 START/STOP	L-BOUT-24V-2TVI
BO	B06		R-4	EXH FAN	F24 S/S	F-24 START/STOP	L-BOUT-24V-2TVI
BO	B07		R-5	EXH FAN	F25 S/S	F-25 START/STOP	L-BOUT-24V-2TVI
BO	B08		R-6	EXH FAN	RV DPR	RV-11 & 12 DAMPER	L-BOUT-24V-2TVI



F-28 INTAKE DAMPER



F-28 WIRING DIAGRAM

HC-29 CONTROL

DRAWING TITLE
EXHAUST FAN F-21, 22, 23,
24, 25, 28 & 29 CONTROL
TREATMENT BUILDING

PROJECT
ROANOKE COUNTY WATER
TREATMENT FACILITY

GEN REV	NO.	REVISION-LOCATION	ECN	DATE	BY
SALES ENGR	PROJECT MGR	APPL. ENGR	DRAWN	APPROVED	
ECN	RC	GA	BY GA	DATE	BY
JOHNSON CONTROLS			CONTRACT NUMBER		
Systems & Services Division			95066-0013		
JOHNSON CONTROLS INC			DRAWING NUMBER		
2830 BROADWAY S.W.			12 OF 14		
ROANOKE, VA 24014					
703-344-8291					