

**JOHNSON
CONTROLS**

VALVE SCHEDULE

FORM 1034 REV. 6/74 (EDG 45-4-00)

TAG			VALVE INFORMATION								ACTUATOR INFO.				
ITEM	SYSTEM	SERVICE	REFERENCE DRAWING NO.	QUAN	FAIL POS. Open/Closed	VALVE CODE NO.	BODY STYLE	SIZE	Cv	CAPACITY GPM / W/Hr	AF	PIPING DETAILS	ACTUATOR TYPE	PILOT YES/NO	RANGE
CV-1	FCU-1	H/C		48	X	654B309	3-way	1"	4.8	.9	.04		YOL/AV-12		
CV-1	FCU-2	H/C		64	X	654B309	3-way	1"	4.8	1.3	.07				
CV-1	FCU-3	H/C		24	X	654B309	3-way	1"	4.8	1.8	.12				
CV-1	FCU-4	H/C		32	X	654B309	3-way	1"	4.8	1.7	.12				
CV-1	FCU-5	H/C		2	X	654B309	3-way	1"	4.8	3.3	.47				
CV-1	FCU-6	H/C		2	X	654B309	3-way	1"	4.8	4.8	.10				
CV-1	FCU-7	H/C		6	X	654B309	3-way	1"	4.8	5.7	.14				
CV-2	FT-1	HW		8	X	654B307	2-way	1"	2.4	4.2	.3				
CV-2	FT-2	HW		8	X	654B307	2-way	1"	2.4	4.2	.3				
CV-3	Generator	Steam		2	X	V90AA-13	2-way	1½"	12	270	5		N81AAA-12		
CV-4	HW	Steam		2	X	VB-3970-8	2-way	2"	27	300	5		VA-3200-11		
CV-5	Changover	HW		2	X	4912-511	b'fly	4"					N81AAA-12		
CV-6	Changover	Ch.W.		2	X	4912-511	b'fly	4"					N81AAA-12		
CV-7	AHU-1	H/C		2	X	V90DB-4	3-way	1½"	13	225	3		N81AAA-13		
CV-7	AHU-2	H/C		2	X	V90DB-3	3-way	1"	8.6	14.9	3		N81AAA-12		

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DAMPER SCHEDULE

FORM 1035 REV. 6/74 (EDG 45-4-04)

NOTES:

• All sizes shown are nominal.
• Allowance should be made for duct clearance.

TAG			DAMPER INFORMATION								ACTUATOR INFORMATION			PRINTED IN		
ITEM	SYSTEM	SERVICE	Quan.	Fail Pos. Open/Closed	Damper Type	Damper Size	Prototyp Detail	Comp.	Size	Code No.	Pilot Actuator	Mounting	Remarks	QTY.	CODE NO.	DESCRIPTION
D-1	AHU-1	O.A.	1	X	D-1300	32	32		1	M81ACA-3			Electric			
D-1	AHU-2	O.A.	1	X	D-1300	32	32		1	M81ACA-3			Electric			
D-2	Pallout	Main Duct	1	X	D-1300	12	12		1	M81ACA-3			Electric			
D-2	Pallout	Main Duct	1	X	D-1300	12	12		1	M81ACA-3			Electric			
D-3	Pallout	ByPass	1	X	D-1300	12	12		1	M81ACA-3			Electric			
D-3	AHU-1	ByPass	1	X	D-1300	12	12		1	M81ACA-3			Electric			
D-3	AHU-2	ByPass	1	X	D-1300	12	12		1	M81ACA-3			Electric			

*See accompanying FORM 1015 FOR COUPLED DAMPER INSTALLATION DETAILS.

SEQUENCE OF OPERATION

BILL OF MATERIAL

VALVE AND DAMPER

SCHEDULE

PROJECT: BEO, FORCE TROOPS

COMPLEX 3rd INCREMENT

CAMP LEJEUNE, N.C.

CONTRACT NO. 5129-0017

DATE: 12/5/75

APPROVED BY: J. J. Barnes

DATE: 12/5/75

**JOHNSON
CONTROLS**

BILL OF MATERIAL

ITEM	QTY.	CODE NO.	DESCRIPTION	QTY.	CODE NO.	DESCRIPTION
MS-1	178	N	Fan Speed Switch			By Others
MS-2	2	X	OFF/AUTO Switch			
MS-3	2	X	HAND-OFF-AUTOSwitch			By Others
MS-4	2	X	SUMMER-AUTO-WINTER Switch			
MS-5	4	X	HAND-OFF-AUTO Switch			By Others
MS-6	4	X	BYPASS ON-OFF Switch			
TC-1	18	R	TS2AAB-1			Heat-Cool Thermostat
TC-2	16	R	T26-118			Heating Thermostat
TC-3	2	R	A19ABC-40			Hot Water Thermostat
TC-4	2	R	TC-4100-32			Temperature Controller
TC-5	8	R	A19ABC-24			Infrared Thermostat
TC-6	6	R	268-18			Room Thermostat
TS-1	18	R	A19AAC-1			Changecover Thermostat
TS-2	2	R	A19AEC-24			Changecover Thermostat
TS-3	2	R	A19ABC-24			Changecover Thermostat
TS-4	4	R	T-7900-1			Changecover Thermostat
TE-1	2	R	TE-1700-7			Temperature Sensor
TE-2	2	R	TE-1300-1			Temperature Sensor
TZ-1	178	X	120/24v Transformer			Outdoor Air
TZ-2	2	X	120/24v Transformer			
TZ-3	4	X	120/24v Transformer			
PS-1	2	R	F61KB-11			Motor Flow Switch
PL-1	4	R	A11A-1			Low Limit Thermostat
R-1	178	X	24v SPNO Relay			
R-2	2	X	24v SPNO Relay			
R-3	2	X	24v DPDT Relay			
R-4	2	X	24v DPDT Relay			
R-5	4	X	24v DPDT Relay			

DRAWING TITLE

SEQUENCE OF OPERATION

BILL OF MATERIAL

VALVE AND DAMPER

SCHEDULE

PROJECT: BEO, FORCE TROOPS

COMPLEX 3rd INCREMENT

CAMP LEJEUNE, N.C.

CONTRACT NUMBER: 5129-0017

DRAWING NUMBER: 20E12

DATE: 12/5/75

BY: S. FOREST

APPROVED: S. FOREST

DATE: 12/5/75

BY: S. FOREST

