Schedule of Controlled Devices – Building 450, Utilites

JOHNSON CONTROLS

DAMPER SCHEDULE

PROJECT/ADDRESS: The Argonne National Labs, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439
BUILDING DESIGNATION: Utilities, Bldg 450
MECHANICAL CONTRACTOR: Douglas, Inc.
SHEET METAL CONTRACTOR:

SHEET: 1
CONTRACT: 1390-0009
PREPARED BY: SF
DATE: 01/06/92
BRANCH: ARLINGTON HGTS

TAG			DAMPER INFORMATION					DUCT INFORMATION		ACTUATOR INFORMATION					
SYSTEM	SERVICE	SECT. LABEL	QTY	FAIL POS.	DAMPER TYPE	DAMPER SIZE WIDTH	DAMPER SIZE HEIGHT	REF DET	DUCT SIZE WIDTH	DUCT SIZE HEIGHT	QTY	CODE NUMBER	PILOT	SPRING RANGE	MTG	REMARK
EM_GEN	EXH	-		N.O.	DCO/WU	144	169		144	169	8	D-3153-2	N	8-13#	W	
EM_GEN	MAIN_OA	-	4	N.O.	DCO/WU	62	88		62	88	4	D-3153-2	N	8-13#	W	
EM_GEN	D-2	-	1	N.C.	DCO/WU	96	48		96	48	2	D-3153-2	N	8-13#	W	
GEN_EXH	D-2	-	4	N.C.	DCO/WU	62	88		62	88	4	D-3153-2	N	8-13#	W	
GEN_EXH	DA-1A,1B	-	18	N.C.	DCO/WU	62	88		62	88	38	D-3153-2	N	8-13#	W	
AHU-801	OA	-	1	N.C.	MIX BOX						1	D-3073-1	Y	5-15#	W	
AHU-801	RA	-	1	N.O.	MIX BOX						1	D-3073-2	N	8-13#	W	
AHU-801	EA	-	1	N.C.	DCO/WL	36	60		36	60	1	D-3073-2	N	8-13#	W	
AHU-802	OA	-	1	N.C.	MIX BOX						1	D-3073-1	Y	5-15#	W	
AHU-802	RA	-	1	N.C.	MIX BOX						1	D-3073-2	N	8-13#	W	

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NOTES:

2. FIELD VERIFY ALL SIZES.
3. DAMPERS WITHOUT DUCT DIMENSION INFORMATION HAVE BEE SIZED USING ANL ENGINEERING STANDARDS. ACTUAL DIMENSIONS MAY HAVE TO BE ADJUSTED TO CONFORM TO FIELD CONDITONS.

JOHNSON CONTROLS

VALVE SCHEDULE

PROJECT/ADDRESS: The Argonne National Labs, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439
BUILDING DESIGNATION: Bldg 450, Utilities-HVAC
MECHANICAL ENGINEER: ARGONNE NATIONAL LABS
MECHANICAL CONTRACTOR: Douglas, Inc.

SHEET: 4
CONTRACT: 1390-0009
PREPARED BY: SF
DATE: 12/20/91
BRANCH: ARLINGTON HGTS

TAG				VALVE INFORMATION								ACTUATOR INFORMATION	
ITEM	SYSTEM	SERVICE	REF DRWG#	QTY	FAIL POS.	VALVE CODE NUMBER	BODY STYLE	SIZE	Cv	CAPACITY	DIFF PRES	*	ACTUATOR TYPE	RANGE
1	V-1A	TWR		6		BY OTHERS					----		Series 71	4-20 MA
2	V-1B	TWR		6		BY OTHERS					----		Series 71	4-20 MA
4	AHU-801	CLG	H950	1	NC	V-3974-1003	NC-SCR	1/2	4.4	6.2 GPM	2.0		V-3000	9-13#
5	AHU-802	STM	H950	1	NO	V-3754-1027	NO-SCR	1	13.9	587.9#/HR	10.0		V-3000 W/PILOT	5-15#
6	UH ISOLATE	STM	H950	1	NO	V-5252-9	NO-FLG	3	83.0		----		4R	2-5#
7	V-3	CDW		3		BY OTHERS					----		Series 91	5-15#
8	HX-1	STM		2	NO	R64466TTSE	NO	2.5	240.0	40K #/HR	12.3		91-83-5	3-9#,9-15#
9	HX-2	STM		2	NO	R64466TTSE	NO	2.5	240.0	40K #/HR	12.3		91-83-5	3-9#,9-15#
10	TWR FILL	DOM		2		BY OTHERS							71-0010-213-10-532 W/HTR/ADAP/END SWITCH	

* - PIPING DETAIL - SEE ATTACHED PIPING DETAIL SHEET

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JOHNSON CONTROLS

VALVE SCHEDULE

PROJECT/ADDRESS: The Argonne National Labs, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439
BUILDING DESIGNATION: Bldg 450, Utilities - PV
MECHANICAL ENGINEER: ARGONNE NATIONAL LABS
MECHANICAL CONTRACTOR: Douglas, Inc.

SHEET: 5
CONTRACT: 1390-0009
PREPARED BY: SF
DATE: 12/20/91
BRANCH: ARLINGTON HGTS

TAG				VALVE INFORMATION								ACTUATOR INFORMATION	
ITEM	SYSTEM	SERVICE	REF DRWG#	QTY	FAIL POS.	VALVE CODE NUMBER	BODY STYLE	SIZE	Cv	CAPACITY	DIFF PRES	*	ACTUATOR TYPE	RANGE
1	V-5A-V-8A	PW	H950	4	NO	31-110	BFLY	12	2563	4200 GPM	2.7		Series 91	3-15#
2	V-5B-V-8B	PW	H950	4	NC	31-110	BFLY	12	2563	4200 GPM	2.7		Series 91	3-15#
3	V-1B-V-4B	PW		8		BY OTHERS							Series 91	2 POS

* - PIPING DETAIL - SEE ATTACHED PIPING DETAIL SHEET

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FILE: 450SCHED

DRAWING TITLE: Building 450, Utilities Control Valve and Damper Schedules

NO.	REVISION-LOCATION	ECN	DATE	BY
	RECORD		05/11/94	SF
5	GENERAL		09/19/92	SF
4	GENERAL		06/30/92	SF

REFERENCE DRAWING			
SALES ENGR	PROJECT MGR	APPL. ENGR	DRAWN
JP	SF	DCS	BY SF DATE 01/10/92

APPROVED 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, 708/806-4438 Eng

CONTRACT NUMBER: 91390-0009

DRAWING NUMBER: 450_SCHED