

Schedule of Controlled Devices - Building 411/412, Linac/Injection Wing

JOHNSON
CONTROLS
DAMPER SCHEDULE

PROJECT/ADDRESS:	The Argonne National Labs Advanced Photon Source Campus 9700 Cass Avenue South Argonne, IL 60439	SHEET: 2 CONTRACT: 1390-0009 PREPARED BY: SF DATE: 01/06/92 BRANCH: ARLINGTON HGTS
BUILDING DESIGNATION:	LINAC/INJECTION WING	
MECHANICAL CONTRACTOR:		
SHEET METAL CONTRACTOR:		

TAG		DAMPER INFORMATION					DUCT INFORMATION		ACTUATOR INFORMATION			
SYSTEM	SERVICE	SECT. LABEL	FAIL QTY POS.	DAMPER TYPE	DAMPER SIZE WIDTH HEIGHT	REF DET	DUCT SIZE WIDTH HEIGHT	QTY	CODE NUMBER	SPRING PILOT RANGE	MTG REMARK	
HV-101	DA, D-1	-	-	N.C.	BY OTHERS		---	---	2	D-3153-1	Y 5-15#	V
HV-101	RA, D-2	-	-	N.O.	BY OTHERS		---	---	2	D-3153-1	Y 5-15#	V
HV-201	DA, D-1	-	4	N.O.	DCD/VU	84 54	168 108	6	D-3153-1	Y 5-15#	V	
HV-201	RA, D-2	-	2	N.O.	DCD/VL	60 42	120 42	2	D-3153-1	Y 5-15#	V	
HV-102	DA, D-1	-	-	X N.C.	BY OTHERS		---	---	4	D-3153-2	N 8-13#	V
HV-103	DA, D-1	-	1	N.C.	DCD/VU	96 54	96 54	4	D-3153-2	N 8-13#	V	
HV-301	DA, D-1	-	6	N.C.	DCD/VU	68 54	204 108	8	D-3153-2	N 8-13#	V	
AHU-201	DA, D-1	-	1	N.C.	DCD/VU	24 36	24 36	1	D-3153-2	N 8-13#	V	

Notes:

THIS DOCUMENT IS CONFIDENTIAL, AND THE PROPERTY OF JOHNSON CONTROLS, INC. THE INFORMATION DISCLOSED IN THIS DOCUMENT SHALL BE DISCLOSED AND USED ONLY FOR PURPOSES OF ACCOMPLISHING THE PROJECT DISCLOSED ON THIS DOCUMENT.

JOHNSON
CONTROLS
VALVE SCHEDULE

PROJECT/ADDRESS:	The Argonne National Labs Advanced Photon Source Campus 9700 Cass Avenue South Argonne, IL 60439	SHEET: 2 CONTRACT: 1390-0009 PREPARED BY: SF DATE: 12/20/91 BRANCH: ARLINGTON HGTS
BUILDING DESIGNATION:	Bldg 411, Linac - HVAC, PW	
MECHANICAL ENGINEER:	ARGONNE NATIONAL LABS	
MECHANICAL CONTRACTOR:		

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
11	HV-101, V-1	HTG	H950	1	NO	V-3754-1027	NO-SCR	1	13.9	35.0 GPM	6.3	V-3000 W/PILOT 5-15#
12	HV-102, V-1	HTG	H950	1	NO	V-3754-1030	NO-SCR	1 1/2	27.5	46.0 GPM	2.7	V-3000 W/PILOT 5-15#
13	HV-103, V-1	HTG	H950	1	NO	V-3754-1030	NO-SCR	1 1/2	27.5	48.0 GPM	3.1	V-3000 W/PILOT 5-15#
14	HV-301, V-1	HTG	H950	2	NO	V-5252-8	NO-FLG	2 1/2	51.0	132.0 GPM	6.7	5R W/PILOT 5-15#
15	AHU-201, V-1	HTG	H950	1	NO	V-3754-1024	NO-SCR	1/2	2.2	3.5 GPM	2.5	V-3000 W/PILOT 5-15#
16	AHU-201, V-2	CLG	H950	1	NC	V-3974-1010	NC-SCR	3/4	8.6	12.0 GPM	1.9	V-3000 W/PILOT 5-15#
16	HV-201, V-1	HTG	H950	1	NO	V-3754-1030	NO-SCR	1 1/2	27.5	56.0 GPM	4.1	V-3000 W/PILOT 5-15#
17	V-1-1	KG-MV	H951	1	BYP BRDG	SERIES 51-VC	NC-FLG	4	240.0	385.0 GPM	2.6	SERIES 39 5-15#
18	V-1-2	LT-MV	H951	1	BYP BRDG	SERIES 51-VC	NC-FLG	4	240.0	360.0 GPM	2.3	SERIES 39 5-15#
19	V-1-3	IV-MV	H951	1	BYP BRDG	SERIES 51-VC	NC-FLG	3	134.0	295.0 GPM	4.8	SERIES 39 5-15#
110	V-1-4	ST-MV	H951	1	BYP BRDG	SERIES 51-VC	NC-FLG	4	240.0	445.0 GPM	2.6	SERIES 39 5-15#
111	V-4-1	KG-BP	H951	1	NO	SERIES 51-VC	NO-FLG	2	130.0	385.0 GPM	8.8	SERIES 39 5-15#
112	V-4-2	LT-BP	H951	1	NO	SERIES 51-VC	NO-FLG	2	130.0	360.0 GPM	7.7	SERIES 39 5-15#
113	V-4-3	IV-BP	H951	1	NO	SERIES 51-VC	NO-FLG	2	130.0	295.0 GPM	5.2	SERIES 39 5-15#
114	V-4-4	ST-BP	H951	1	NO	SERIES 51-VC	NO-FLG	2	130.0	445.0 GPM	11.7	SERIES 39 5-15#
115	V-2	ISO	H951	4	NC	31-108-BRAY	NO-FLG	6	805.0			SERIES 91 2 POS
116	V-3	STBY	H951	6	NC	31-108-BRAY	NO-FLG	6	805.0			SERIES 91 2 POS

* - PIPING DETAIL - SEE ATTACHED PIPING DETAIL SHEET

THIS DOCUMENT IS CONFIDENTIAL, AND THE PROPERTY OF JOHNSON CONTROLS, INC. THE INFORMATION DISCLOSED IN THIS DOCUMENT SHALL BE DISCLOSED AND USED ONLY FOR PURPOSES OF ACCOMPLISHING THE PROJECT DISCLOSED ON THIS DOCUMENT.

NOTES:

- WORCHESTER CONTROL VALVES TO BE MANUFACTURED IN A THREE WAY STYLE AS INDICATED ON VC DOCUMENT PB-903-24.

FILE: 411SCHED	
DRAWING TITLE Building 411, Linac/Injection Schedule of Controlled Devices Control Valves and Dampers	RECORD 3 GENERAL 2 GENERAL
PROJECT The Argonne National Labs Advanced Photon Source Campus 9700 Cass Avenue South Argonne, IL 60439	SALES ENGR PROJECT MGR APPL ENGR JP SF DCS
JOHNSON CONTROLS Systems & Services Division	3007 MALMO ROAD ARLINGTON HEIGHTS ILLINOIS 60005 708/364-1500 Mon 708/806-4438 Eng
CONTRACT NUMBER 91390-0009	DRAWING NUMBER 411_SCHED