COOLING COIL SCHEDULE

UNIT NO.	SERVICE	LOCATION	FACE AREA SQ. FT.	FACE AREA H x W	ROWS	SENSIBLE CAPACITY MBH	TOTAL CAPACITY MBH	MAXIMUM FACE VELOCITY FPM	AIR SIDE CFM	AIR SIDE EAT DB DEG. F	AIR SIDE EAT WB DEG. F	AIR SIDE LAT DB DEG. F	AIR SIDE LAT WB DEG. F	AIR SIDE MAX P.D. IN WC	WATER SIDE GPM	WATER SIDE EWT DEG. F	WATER SIDE LWT DEG. F	WATER SIDE PD FT. WG.	WATER SIDE FOULING FACTOR	BASIS OF DESIGN	REMARKS
AH-CL-2	ME SHOP	B1-MEZZANINE	9.6	27x51	8	127.4	171.5	470	4520	77.4	64.5	52	51.5	1.0	34	45	55	14	0.0	TRANE	FURN WITH AHU
AH-CL-3	POWER SHOP	B1-MEZZANINE	14.2	35x59	8	195.3	260.8	506	7190	76.5	64.0	52	51.5	1.0	52	45	55	20	0.0	TRANE	FURN WITH AHU
AH-CL-4	MAGNET SHOP	B1-MEZZANINE	16.8	37x65	8	231.2	310.2	508	8550	76.4	64.0	52	51.5	1.0	62	45	55	25	0.0	TRANE	FURN WITH AHU
AH-CL-5	GALLERY	AUDITORIUM L2 FAN ROOM	24.4	51x69	8	333.3	464.6	480	11720	77.5	65.0	52	51.5	1.0	93	45	55	13	0.0	TRANE	FURN WITH AHU
AH-CL-6	CAFETERIA	B1-MEZZANINE	12.3	32x55	8	235.0	360.8	493	6070	86.7	70.5	52	51.5	1.0	72	45	55	7	0.0	TRANE	FURN WITH AHU
AH-CL-7	KITCHEN	B1-MEZZANINE	9.6	27x51	8	191.3	299.9	449	4330	91.5	73.0	52	51.5	1.25	60	45	55	18	0.0	TRANE	FURN WITH AHU
AH-CL-8	RING CAVITY	B1-MEZZANINE	12.3	32x55	8	157.2	210.1	471	5790	76.3	64.0	52	51.5	1.0	42	45	55	6	0.0	TRANE	FURN WITH AHU
AH-CL-9	MATERIAL HANDLING	B1-MEZZANINE	7.5	27x40	8	102.9	147.1	420	3160	81.1	67.0	52	51.5	1.0	29	45	55	9	0.0	TRANE	FURN WITH AHU
AH-CL-10	LOCKER ROOM	B1-MEZZANINE	14.2	35x59	8	226.9	336.4	411	5850	86.8	70	52	51.5	1.0	67	45	55	13	0.0	TRANE	FURN WITH AHU
AH-CL-11	VACCUM SHOP	VACCUM SHOP	20.8	45x67	6	303.4	408.3	456	9490	80.8	66.0	52	51.5	1.0	82	45	55	23	0.0	TRANE	FURN WITH AHU
AH-CL-12	CONTROL ROOM	VACCUM SHOP	14.2	35x59	6	184.0	242.3	470	6680	76.5	64.0	52	51.5	1.0	49	45	55	8	0.0	TRANE	FURN WITH AHU
AH-CL-13	PLANT SHOP	B1-PLANT SHOP MEZZ.	16.8	37x65	6	216.1	290.6	455	7660	77.4	64.5	52	51.5	1.0	58	45	55	18	0.0	TRANE	FURN WITH AHU
AH-CL-14	COMPUTER ROOM	COMPUTER ROOM				308	365		11770	76.0	63.0	52	51.5	1.0	70	45	55			LIEBERT	FURN WITH UNIT
AH-CL-15	COMPUTER ROOM	COMPUTER ROOM				308	365		11770	76.0	63.0	52	51.5	1.0	70	45	55			LIEBERT	FURN WITH UNIT
AH-CL-16	DRY LAB	LEVEL 3 MECH. RM.	65.6	2@37x126	8	699.1	833.7	477	31280	72.1	61.0	52	51.5	1.0	167	45	55	8	0.0	TRANE	FURN WITH AHU
AH-CL-17	DRY LAB	LEVEL 3 MECH. RM.	65.6	2@37x126	8	699.1	833.7	477	31280	72.1	61.0	52	51.5	1.0	167	45	55	8	0.0	TRANE	FURN WITH AHU
AH-CL-18	DRY LAB	LEVEL 3 MECH. RM.	65.6	2@37x126	8	699.1	833.7	477	31280	72.1	61.0	52	51.5	1.0	167	45	55	8	0.0	TRANE	FURN WITH AHU
AH-CL-19	WET LAB	LEVEL 3 MECH. RM.	78.8	2@45x126	8	1695.0	2691.0	493	38840	91.0	73.0	52	51.5	1.25	538	45	55	45	0.0	TRANE	FURN WITH AHU
AH-CL-20	WET LAB	LEVEL 3 MECH. RM.	78.8	2@45x126	8	1695.0	2691.0	493	38840	91.0	73.0	52	51.5	1.25	538	45	55	45	0.0	TRANE	FURN WITH AHU
AH-CL-21	SUBBASEMENT	B2 MECHANICAL ROOM	5.9	24x35	8	92.7	125.0	460	2690	83.0	67.0	52	51.5	1.0	25	45	55	8	0.0	TRANE	FURN WITH AHU
AH-CL-22	NORTH OFFICE WING	LEVEL 4 ROOF	49.4	2@32x110	8	695.1	925.5	494	24400	77.7	64.5	52	51.5	1.0	185	45	55	20	0.0	TRANE	FURN WITH AHU
AH-CL-23	NORTH OFFICE WING-EAST	LEVEL 4 ROOF	39.3	57x99	8	485.9	630.1	463	18200	76.2	63.5	52	51.5	1.0	126	45	55	13	0.0	TRANE	FURN WITH AHU
AH-CL-24	CONFERENCE ROOM L1	LEVEL 5 PENTHOUSE	16.8	37x65	6	220.3	303.2	455	7650	77.9	65.0	52	51.5	1.0	61	45	55	19	0.0	TRANE	FURN WITH AHU
AH-CL-25	OFFICE ATRIUM	LEVEL 5 PENTHOUSE	29	51x82	8	417.5	543.9	517	15000	77.1	64.0	52	51.5	1.0	109	45	55	25	0.0	TRANE	FURN WITH AHU
AH-CL-26	AUDITORIUM L1	AUDITORIUM L2 FAN ROOM	20.8	45x67	8	298.5	428.3	443	9200	81.1	67.0	52	51.5	1.0	86	45	55	14	0.0	TRANE	FURN WITH AHU
AH-CL-27	MAIN LOBBY	B1-GALLERY	65.6	2@37x126	8	876.0	1094.0	506	33200	76.0	63.0	52	51.5	1.0	218	45	55	24	0.0	TRANE	FURN WITH AHU
AH-CL-28	LEVEL 5 OFFICE	LEVEL 5 PENTHOUSE	20.8	45x67	6	278.9	369.0	448	9320	79.0	65.0	52	51.5	1.0	74	45	55	19	0.0	TRANE	FURN WITH AHU
AH-CL-29	LEVEL 4 OFFICE	LEVEL 5 PENTHOUSE	49.4	2@32x110	6	681.7	863.3	505	24950	76.6	63.5	52	51.5	1.0	173	45	55	28	0.0	TRANE	FURN WITH AHU
AH-CL-30	LEVEL 3 OFFICE	LEVEL 5 PENTHOUSE	24.4	51x69	8	360.1	500.3	517	12620	77.6	65.0	52	51.5	1.25	100	45	55	15	0.0	TRANE	FURN WITH AHU
AH-CL-31	LEVEL 2 OFFICE	LEVEL 5 PENTHOUSE	24.4	51x69	8	371.6	504.8	522	12740	78.2	65.0	52	51.5	1.25	101	45	55	15	0.0	TRANE	FURN WITH AHU
AH-CL-32	LEVEL 1 OFFICE	LEVEL 5 PENTHOUSE	12.3	32x55	8	172.8	227.3	467	5740	79.0	65.0	52	51.5	1.0	46	45	55	7	0.0	TRANE	FURN WITH AHU
AH-CL-33	KITCHEN HOOD MUA	B1-MEZZANINE	9.6	27x51	8	191.3	299.9	449	4330	91.5	73.0	52	51.5	1.25	60	45	55	18	0.0	TRANE	FURN WITH AHU

HOT WATER HEATING COIL SCHEDULE

UNIT NO.	SERVICE	LOCATION	COIL AREA SQ. FT.	MAXIMUM FACE VELOCITY FPM	MINIMUM ROWS	CAPACITY MBH	AIR SIDE CFM MAX IDLE	AIR SIDE CFM MAX HEATING	AIR SIDE EAT DEG. F	AIR SIDE LAT DEG. F	AIR SIDE MAX PD IN WC	WATER SIDE FLOW GPM	WATER SIDE EWT DEG. F	WATER SIDE LWT DEG. F	WATER SIDE MAX P.D. FT. WG.	WATER SIDE FOULING FACTOR	BASIS OF DESIGN	REMARKS
AH-CL-1	SUBSTATION	B2-MECHANICAL ROOM	39.3	610	2	860	24000	24000	13.0	46	0.25	43	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-2	ME SHOP	B1-MEZZANINE	9.6	469	2	137	4520	4520	62.0	90	0.15	8	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-3	POWER SHOP	B1-MEZZANINE	14.2	506	2	187	7190	7190	66.0	90	0.15	10	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-4	MAGNET SHOP	B1-MEZZANINE	16.8	509	2	222	8550	8550	66.0	90	0.15	11	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-5	GALLERY	AUDITORIUM L2 FAN ROOM	24.4	480	2	56.3	11720	5770	43.0	52	0.15	3	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-6	CAFETERIA	B1-MEZZANINE	12.3	493	2	124	6070	5710	32.0	52	0.25	7	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-7	KITCHEN	B1-MEZZANINE	9.6	449	2	362	4330	4330	13.0	90	0.25	18	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-8	RING CAVITY	B1-MEZZANINE	12.3	470	2	151	5790	5790	66.0	90	0.15	8	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-9	MATERIAL HANDLING	B1-MEZZANINE	7.5	420	2	148	3160	3160	47.0	90	0.15	8	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-10	LOCKER ROOM	B1-MEZZANINE	14.2	411	2	175	5850	4250	14.0	52	0.25	9	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-11	VACCUM SHOP	VACCUM SHOP	20.8	456	2	432	9490	9490	48.0	90	0.15	22	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-12	CONTROL ROOM	VACCUM SHOP	14.2	470	2	210	6680	6680	61.0	90	0.15	11	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-13	PLANT SHOP	B1-PLANT SHOP MEZZ.	16.8	456	2	41.6	7660	3830	42.0	52	0.15	2	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-14	COMPUTER ROOM	COMPUTER ROOM				255	11770	11770	70.0	90		13	180	140			LIEBERT	FURN WITH UNIT
AH-CL-15	COMPUTER ROOM	COMPUTER ROOM				255	11770	11770	70.0	90		13	180	140			LIEBERT	FURN WITH UNIT
AH-CL-16	DRY LAB	LEVEL 3 MECH. RM.	65.6	477	2	170	31280	15620	42.0	52	0.15	9	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-17	DRY LAB	LEVEL 3 MECH. RM.	65.6	477	2	170	31280	15620	42.0	52	0.15	9	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-18	DRY LAB	LEVEL 3 MECH. RM.	65.6	477	2	170	31280	15620	42.0	52	0.15	9	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-19	WET LAB	LEVEL 3 MECH. RM.	78.8	493	2	1601	38840	38840	13.0	52	0.25	80	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-20	WET LAB	LEVEL 3 MECH. RM.	78.8	493	2	1601	38840	38840	13.0	52	0.25	80	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-21	SUBBASEMENT	B2-MECHANICAL ROOM	5.9	460	2	108	2690	2690	53.0	90	0.15	6	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-22	NORTH OFFICE WING	LEVEL 4 ROOF	49.4	494	2	201	24400	15460	40.0	52	0.15	10	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-23	NORTH OFFICE WING-EAST	LEVEL 4 ROOF	39.3	463	2	194	18200	14900	40.0	52	0.15	10	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-24	CONFERENCE ROOM L1	LEVEL 5 PENTHOUSE	16.8	455	2	99.6	7650	7650	40.0	52	0.15	5	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-25	OFFICE ATRIUM	LEVEL 5 PENTHOUSE	29.0	517	2	391	15000	15000	66.0	90	0.15	20	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-26	AUDITORIUM L1	AUDITORIUM L2 FAN ROOM	20.8	443	2	529	9200	9200	37.0	90	0.25	26	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-27	MAIN LOBBY	B1-GALLERY	65.6	506	2	792	33200	33200	68.0	90	0.15	40	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-28	LEVEL 5 OFFICE	LEVEL 5 PENTHOUSE	20.8	448	2	91.1	9320	7000	40.0	52	0.15	5	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-29	LEVEL 4 OFFICE	LEVEL 5 PENTHOUSE	49.4	505	2	144	24950	13290	42.0	52	0.15	8	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-30	LEVEL 3 OFFICE	LEVEL 5 PENTHOUSE	24.4	517	2	100	12620	7680	40.0	52	0.15	5	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-31	LEVEL 2 OFFICE	LEVEL 5 PENTHOUSE	24.4	522	2	82.9	12740	6370	40.0	52	0.15	4	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-32	LEVEL 1 OFFICE	LEVEL 5 PENTHOUSE	12.3	467	2	42.6	5740	3270	40.0	52	0.15	3	180	140	5	0.0005	TRANE	FURN WITH AHU
AH-CL-33	KITCHEN HOOD MUA	B1-MEZZANINE	9.6	449	2	362	4330	4330	13.0	90	0.25	18	180	140	5	0.0005	TRANE	FURN WITH AHU

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THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001

REV	DESCRIPTION	DSN	CHK	PE	DATE	PJ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
1	CERTIFIED FOR CONSTRUCTION - 12/20/01	RTW	KJH		12/01		12/01		12/26/01	BWJ	105869	12/20/01	RW	AW	BWJ	PD	BWJ	BWJ	--	BWJ	--	ED
0	CERTIFIED FOR CONSTRUCTION - MAY 15, 2001	RTW	KJH	CLG	9/6/01	JS	8/21/01	JRL	9/25/01	BWJ	105869	5/15/01	SC	AW	WRS	RL	WRS	BWJ	--	WRS	--	WAS

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: BRUCE W. JOHNSON, REGISTERED ENGINEER, STATE OF TENNESSEE, No. 00105869
REV. 1 DATE 12/20/01

DRAWING APPROVALS

DSN	M. ECKERT	05/15/01
DRW	R. WATSON	05/15/01
CHK	B. JOHNSON	05/15/01
DEPT		
PE	C.L. GARREN	9/6/01
PJ	J. STELLERN	08/21/01
REQ		
UTB	J.R. LAWSON	09/25/01

108031400-H8E-8600-A095

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PROJECT NAME:
SPALLATION NEUTRON SOURCE

CENTRAL LAB AND OFFICE BUILDING
SCHEDULES
HVAC

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	H	X	X	8	8600		1	1	G	U

51	52	53	WBS		REV
NC	NA		1.8.3.14	H9.10.41	1

Date: 12/13/2001 Time: 18:09:59
Username: WATSONRT
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