EXISTING CEILING DIFFUSER SCHEDULE

NUMBER	APPROXIMATE NECK SIZE (INCHES)	TYPE	CFM	MAX T.P. LOSS (IN. WG)	REMARKS
CD-1	12X12	4 WAY	372	.05	*. MAX NC=14, TYP OF 12 **REBALANCE TO 568 CFM** (1)
CD-2	12X21	4 WAY	1021	.05	*. MAX NC=20, TYP OF 8
CD-3	12X12	4 WAY	333	.03	*. MOUNT 14 FT AFF, MAX NC=10, TYPICAL OF 11
CD-4	18X18	4 WAY	918	.05	*. MAX NC=18, TYP OF 15
CD-5	21X21	4 WAY	1610	.09	*. MAX NC=30, TYP OF 9
CD-6	8" NECK	4 WAY	185	.06	*. MAX NC=23, TYP OF 4 MANUFACTURER SPECIFIED FOR VAV APPLICATION
CD-7	15" NECK	4 WAY	734	.06	*. MAX NC=26, TYP OF 6, MANUFACTURER SPECIFIED FOR VAV APPLICATION
CD-8	9x9	4 WAY	205	.1	*. TYP OF 6, MANUFACTURER SPECIFIED FOR VAV APPLICATION **REBALANCE TO 401 CFM EACH** (1)

* ALL CEILING DIFFUSERS SHALL BE 24"x24" CEILING MODULE W/ ADJUSTABLE VANES

EXISTING SUPPLY REGISTER SCHEDULE

UNIT NUMBER	APPROXIMATE SIZE	TYPE	CFM	MAX. S.P. LOSS (IN. WG)	QTY.	REMARKS
SR-1	16X14	4 WAY	741	.06	TYP. OF 3	
SR-2	12X4	4 WAY	231	.13	TYP. OF 8 MAX. NC=29	
SR-3	12X4	4 WAY	207	.12	TYP. OF 9 MAX. NC=29	
SR-4	24X24	4 WAY	1254	.02	TYP. OF 2	
SR-5	NOT USED					
SR-6	24X24	4 WAY	1282	.02	TYP. OF 1	
SR-7	10X10	4 WAY	200	.02	TYP. OF 1	
SR-8	16X16	4 WAY	631	.02	TYP. OF 2	
SR-9	24X24	4 WAY	1280	.02	TYP. OF 3	
SR-10	24X24	4 WAY	1983	.045	TYP. OF 1	
SR-11	10X10	4 WAY	177	.02	TYP. OF 2 LIGHTPROOF	
SR-12	24X24	4 WAY	1368	.02	TYP. OF 1	
SR-13	24X24	4 WAY	1482	.04	TYP. OF 2	
SR-14	24X24	4 WAY	1404	.02	TYP. OF 2	
SR-15	24X24	4 WAY	1722	.045	TYP. OF 2	
SR-16	18X18	4 WAY	751	.02	TYP. OF 2	
SR-17	24X24	4 WAY	1512	.04	TYP. OF 1	
SR-18	18X18	4 WAY	861	.025	TYP. OF 2	
SR-19	24X24	4 WAY	1860	.045	TYP. OF 2	
SR-20	18X18	4 WAY	753	.02	TYP. OF 1	

S.P. LOSS SIZED AT 45° DEFLECTION.

EXISTING RETURN REGISTER SCHEDULE

NUMBER	CFM	MAX S.P. LOSS (IN. WG)	APPROX. SIZE (INCHES)	QTY.	REMARKS
RR-1	279	.03	12X10	TYP. OF 15	**REBALANCE TO 426 CFM EACH** (1)
RR-2	1021	.03	22X20	TYP. OF 8	
RR-3	731	.05	16X16	TYP. OF 5 MOUNT 14' AFF	
RR-4	1377	.08	20X18	TYP. OF 10	
RR-5	1207	.08	18X18	TYP. OF 12	
RR-6	511	.05	14X12	TYP. OF 19	
RR-7	820	.03	24X24	TYP. OF 4	
RR-8	425	.006	24X24	TYP. OF 3	
RR-9	271	.006	24X24	TYP. OF 6	
RR-10	241	.006	24X24	TYP. OF 6	
RR-11	425	.006	24X24	TYP. OF 3	
RR-12	433	.006	24X24	TYP. OF 4	
RR-13	425	.006	24X24	TYP. OF 4	
RR-14	659	.006	24X24	TYP. OF 4	
RR-15	507	.006	24X24	TYP. OF 6	
RR-16	542	.06	18X10	TYP. OF 18	
RR-17	784	.02	24X24	TYP. OF 12	
RR-18	247	.006	24X24	TYP. OF 3	
RR-19	734	.02	24X24	TYP. OF 6	
RR-20	176	.06	10X6	TYP. OF 7	**REBALANCE TO 344 CFM EACH** (1)

EXISTING EXHAUST REGISTER SCHEDULE

NUMBER	CFM	MAX S.P. LOSS (IN. WG)	APPROX. SIZE (INCHES)	QTY.	REMARKS
ER-1	100	.08	6X6	TYP. OF 2	
ER-2	150	.08	8X6	TYP. OF 8	
ER-3	250	.08	10X8	TYP. OF 8	
ER-4	70	.08	6X5	TYP. OF 9	
ER-5	741	.03	18X18	TYP. OF 3	
ER-6	641	.05	16X14	TYP. OF 2	
ER-7	450	.05	12X12	TYP. OF 2	
ER-8	375	.05	14X10	TYP. OF 2	
ER-9	262	.05	16X6	TYP. OF 2	
ER-10	247	.05	16X6	TYP. OF 2	
ER-11	242	.05	16X6	TYP. OF 2	
ER-12	282	.05	10X10	TYP. OF 2	
ER-13	188	.05	8X6	TYP. OF 2	
ER-14	1044	.08	10X8	TYP. OF 2	
ER-15	80	.05	6X6	TYP. OF 1	
ER-16	188	.05	8X6	TYP. OF 4	
ER-17	522	.05	14X12	TYP. OF 2	
ER-18	NOT USED				
ER-18	NOT USED				
ER-20	NOT USED				
ER-21	266	.05	16X6	TYP. OF 2	
ER-22	256	.05	16X6	TYP. OF 2	
ER-23	75	.05	7X4	TYP. OF 4	
ER-24	453	.05	12X12	TYP. OF 2	
ER-25	390	.05	14X10	TYP. OF 2	
ER-26	240	.05	16X6	TYP. OF 1	
ER-27	453	.05	12X12	TYP. OF 2	
ER-28	313	.05	12X10	TYP. OF 2	
ER-29	150	.05	14X4	TYP. OF 2	
ER-30	225	.05	10X8	TYP. OF 6	
ER-31	113	.05	8X5	TYP. OF 4	
ER-32	NOT USED				
ER-33	173	.05	10X6	TYP. OF 2	
ER-34	295	.05	10X10	TYP. OF 1	
ER-35	172	.05	10X6	TYP. OF 2	
ER-36	136	.05	14X4	TYP. OF 2	
ER-37	285	.05	10X10	TYP. OF 1	
ER-38	266	.05	10X10	TYP. OF 1	
ER-39	264	.05	10X10	TYP. OF 8	
ER-40	80	.05	7X4	TYP. OF 1	

EXISTING EXHAUST GRILLE SCHEDULE

NUMBER	CFM	MAX. S.P. LOSS (IN WG)	APPROX. SIZE (INCHES)	QTY.	REMARKS
EG-1	741	.06	16X14	TYP. OF 3	
EG-2	1254	.025	24X24	TYP. OF 2	
EG-3	NOT USED				
EG-4	1282	.025	24X24	TYP. OF 1	
EG-5	200	.025	10X10	TYP. OF 1	
EG-6	631	.026	16X16	TYP. OF 2	
EG-7	1280	.025	24X24	TYP. OF 3	
EG-8	1983	.055	24X24	TYP. OF 1	
EG-9	177	.025	10X10	TYP. OF 2 LIGHTPROOF	
EG-10	1368	.025	24X24	TYP. OF 1	
EG-11	1482	.03	24X24	TYP. OF 2	
EG-12	1404	.025	24X24	TYP. OF 2	
EG-13	1722	.055	24X24	TYP. OF 2	
EG-14	751	.025	18X18	TYP. OF 2	
EG-15	1512	.035	24X24	TYP. OF 1	
EG-16	861	.03	18X18	TYP. OF 2	
EG-17	1860	.057	24X24	TYP. OF 2	
EG-18	753	.025	18X18	TYP. OF 1	
EG-19	900	.08	18X12	TYP. OF 1	

EXISTING EXHAUST FAN SCHEDULE

NUMBER	FAN TYPE	CFM	S.P. LOSS (IN. WG)	HP	ELECTRICAL CHAR. VOLTS	PHASE	HERTZ	REMARKS
EF-1	UPBLAST ROOF CENTRIFUGAL	940	.375	1/6	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 4
EF-2	UPBLAST ROOF CENTRIFUGAL	270	.3	1/6	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER
EF-3	UPBLAST ROOF CENTRIFUGAL	741	.25	1/6	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 3
EF-4	WALL MOUNTED CENTRIFUGAL	3090	.5	3/4	115	1	60	V BELT DRIVE GRAVITY DAMPER
EF-5	UPBLAST ROOF CENTRIFUGAL	19400/ 9700	.5	7-1/2	460	3	60	18" ROOF CURB HGT., TWO SPEED V BELT DRIVE,GRAVITY DAMPER
EF-6	WALL MOUNTED CENTRIFUGAL	200	.25	1/12	115	1	60	DIRECT DRIVE, GRAVITY DAMPER VARIABLE SPEED CONTROLLER
EF-7	UPBLAST ROOF CENTRIFUGAL	900	.5	1/6	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-8	UPBLAST ROOF CENTRIFUGAL	901	.25	1/6	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 2
EF-9	UPBLAST ROOF CENTRIFUGAL	1602	.25	1/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-10	UPBLAST ROOF CENTRIFUGAL	1643	.25	1/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-11	UPBLAST ROOF CENTRIFUGAL	1685	.25	1/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-12	UPBLAST ROOF CENTRIFUGAL	1771	.25	1/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-13	UPBLAST ROOF CENTRIFUGAL	978	.25	1/6	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-14	UPBLAST ROOF CENTRIFUGAL	1044	.25	1/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-15	UPBLAST ROOF CENTRIFUGAL	2208	.25	1/2	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-16	UPBLAST ROOF CENTRIFUGAL	2182	.25	1/2	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-17	UPBLAST ROOF CENTRIFUGAL	1274	.25	1/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1
EF-18	UPBLAST ROOF CENTRIFUGAL	2458	.25	3/4	115	1	60	18" ROOF CURB HEIGHT MOTORIZED DAMPER, TYP OF 1

EXISTING DOOR GRILLE SCHEDULE

DOOR GRILLE NUMBER	CFM	MAXIMUM S.P. LOSS (IN. WG)	REMARKS
DG-1	150	.2	TYPICAL OF 8, VISION PROOF WOMENS TOILETS, MAIN BUILDING
DG-2	100	.2	TYPICAL OF 2, VISION PROOF MENS AND WOMENS TOILET, LIBRARY ANNEX
DG-3	250	.2	TYPICAL OF 8, VISION PROOF MENS TOILETS, MAIN BUILDING

EXISTING LOUVER SCHEDULE

NUMBER	DIMENSIONS WIDTH (INCHES)	DIMENSIONS HEIGHT (INCHES)	CFM	MAX. S.P. LOSS (IN. WG)	REMARKS
L-1	36	36	3000	.17	OPERABLE MOTOR OPERATED DAMPER OR BLADES, INTAKE, ZERO WATER PENETRATION
L-2	120	96	19400	.17	OPERABLE MOTOR OPERATED DAMPER OR BLADES, INTAKE, ZERO WATER PENETRATION
L-3	24	24	2000	--	EXHAUST, RELIEF DAMPER WITH COUNTERBALANCE, SET AT .1 INCH OF WATER, ADJUSTABLE

NOTES:

(1) WORK REQUIRED UNDER THIS PROJECT.

THESE DOCUMENTS HAVE BEEN PREPARED PRIMARILY BASED ON INFORMATION PROVIDED BY OTHERS. I.C. THOMASSON HAS NOT VERIFIED THE ACCURACY OF ALL INFORMATION PROVIDED BY OTHERS. SEE LIMIT OF LIABILITIES STATEMENT ON COVER SHEET.

US ARMY ENGINEERING AND SUPPORT CENTER HUNTSVILLE

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MECHANICAL SCHEDULES

STATE OF MARYLAND — WILLIAM T. THOMASSON — No. 11784 — REGISTERED PROFESSIONAL ENGINEER — MECHANICAL ENGINEER

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