EXISTING LINEAR SLOT DIFFUSER SCHEDULE

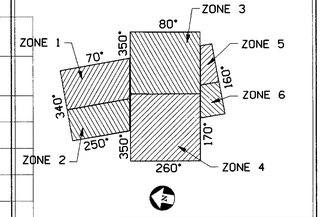
ROOM NUMBER	TYPE OF DIFFUSER	LENGTH (FT.)	CFM (E.A.)	MAX. S.P. LOSS (IN. WG)	QTY.	WORK REQUIRED UNDER THIS PROJECT
1118F OUTER	1W/2S	2	15	.02	TYP OF 1	
1118F INNER	2W/2S	4	155			REBALANCE TO 129 CFM
1118H OUTER	1W/2S	2	15			
1118H INNER	2W/2S	4	155			REBALANCE TO 129 CFM
1118J OUTER	1W/2S	2	15			
1118J INNER	2W/2S	4	155			REBALANCE TO 129 CFM
1118K OUTER	1W/2S	2	15			
1118K INNER	2W/2S	4	155			REBALANCE TO 129 CFM
1118L OUTER	1W/2S	2	15			
1118L INNER	2W/2S	4	155			REBALANCE TO 129 CFM
1116	2W/2S		82	.07	TYP OF 2	ADD 2- 2W/2S DIFFUSERS BALANCE ALL TO 187 CFM EACH
2125	2W/4S		345	.06	TYP OF 6	REBALANCE TO 193 CFM EACH
2124			335			REBALANCE TO 89 CFM EACH
2123			345			REBALANCE TO 122 CFM EACH
2111			467	.1	TYP OF 6	REBALANCE TO 90 CFM EACH
2115A			320	.06	TYP OF 2	REBALANCE TO 279 CFM EACH
2115B			320		TYP OF 2	REBALANCE TO 279 CFM EACH
2117			215		TYP OF 4	REBALANCE TO 123 CFM EACH
2122			339		TYP OF 4	REBALANCE TO 121 CFM EACH
	2W/4S	2	186	.05		NOT USED
2165	2W/4S	2	168	.05		ADD 11- 2W/4S DIFFUSERS FOR A TOTAL OF 15 DIFFUSERS BALANCE ALL TO 196 CFM EACH
2171	2W/2S	4	185	.07		REBALANCE TO 187 CFM EACH
2173			176			REBALANCE TO 174 CFM EACH
2175			176			REBALANCE TO 198 CFM EACH
2177	2W/4S		395	.06		REBALANCE TO 198 CFM EACH
2179	2W/4S		395	.06		REBALANCE TO 202 CFM EACH
2181	2W/2S	2	87	.05	TYP OF 5	REPLACE EXIST. W/ 2W/4S (2FT) & LP DUCT FEEDS & ADD 1-2W/4S DIFFUSERS BALANCE ALL TO 80 CFM EACH
2183	2W/4S	4	333	.06	TYP OF 8	REBALANCE TO 310 CFM EACH
2184			395		TYP OF 4	REBALANCE TO 209 CFM EACH
2185			334		TYP OF 6	REBALANCE TO 310 CFM EACH
2186			395		TYP OF 4	REBALANCE TO 234 CFM EACH
2187			361		TYP OF 2	REBALANCE TO 251 CFM EACH
2188	2W/2S		176	.07	TYP OF 4	REBALANCE TO 198 CFM EACH
2189			186		TYP OF 8	REBALANCE TO 86 CFM EACH
2190			176		TYP OF 4	REBALANCE TO 176 CFM EACH
2191			186		TYP OF 8	REBALANCE TO 166 CFM EACH
2192			193		TYP OF 4	REBALANCE TO 197 CFM EACH
2194		2	72	.05	TYP OF 3	REPLACE EXIST. W/ 2W/4S (2FT) & LP DUCT FEEDS & ADD 1-2W/4S DIFFUSERS BALANCE ALL TO 199 CFM EACH
2195		2	108	.05	TYP OF 4	REBALANCE TO 132 CFM EACH
2196	2W/4S	4	386	.06	TYP OF 8	REBALANCE TO 258 CFM EACH
	2W/2S	2	62	.05	TYP OF 1	NOT USED
2195A			67			REBALANCE TO 80 CFM EACH
2195B			63			REBALANCE TO 78 CFM EACH
2195C	1W/2S	4	63	.02		REPLACE EXIST. W/ 2W/4S (4FT) DIFFUSER BALANCE ALL TO 231 CFM
2195D	2W/2S		121	.07		REBALANCE TO 96 CFM EACH
2195E			86			REBALANCE TO 96 CFM EACH
2195F			95			REBALANCE TO 100 CFM EACH
2128/2133		2	94	.05	TYP OF 5	REPLACE EXIST. W/ 2W/4S (2FT) & LP DUCT FEEDS & ADD 1-2W/4S DIFFUSERS BALANCE ALL TO 187 CFM EACH
		2	62	.05	TYP OF 1	NOT USED
2146A	2W/4S	4	209	.06	TYP OF 2	REBALANCE TO 157 CFM EACH

EXISTING LINEAR SLOT DIFFUSER SCHEDULE

ROOM NUMBER	TYPE OF DIFFUSER	LENGTH (FT.)	CFM (E.A.)	MAX. S.P. LOSS (IN. WG)	QTY.	WORK REQUIRED UNDER THIS PROJECT
2138	2W/4S	4	284	.06	TYP OF 9	REBALANCE TO 143 CFM EACH
2136	2W/4S		354	.06	TYP OF 12	REBALANCE TO 195 CFM EACH
2132 2132E	2W/2S		118	.07	TYP OF 35	REBALANCE TO 41 CFM EACH
2130	2W/2S		193	07	TYP OF 2	REBALANCE TO 233 CFM EACH
2129	2W/4S		235	.06	TYP OF 6	REBALANCE TO 151 CFM EACH
2126	2W/2S		182	.07	TYP OF 3	REBALANCE TO 184 CFM EACH
2121/2102 2118	2W/4S	2	113	.05	TYP OF 4	REBALANCE TO 125 CFM EACH
2107	2W/2S		90		TYP OF 5	REPLACE EXIST. W/ 2W/4S (2FT) DIFFUSERS BALANCE ALL TO 192 CFM EACH
2105A	2W/2S		62		TYP OF 1	REPLACE EXIST. W/ 2W/4S (2FT) DIFFUSER BALANCE ALL TO 192 CFM
2109	2W/4S	4	251	.06	TYP OF 1	ADD 1- 2W/4S DIFFUSER BALANCE TO 254 CFM EACH
2109A		4	251		TYP OF 1	REBALANCE TO 435 CFM
2120			351		TYP OF 4	REBALANCE TO 392 CFM EACH
2120A			219		TYP OF 1	REBALANCE TO 225 CFM
2120B			234		TYP OF 4	REBALANCE TO 222 CFM EACH
2132C			258		TYP OF 1	REBALANCE TO 320 CFM
2132D	2W/2S		204	.07	TYP OF 3	ADD 1- 2W/2S (4FT) DIFFUSER FOR A TOTAL OF 4 DIFFUSERS BALANCE ALL TO 209 CFM EACH
2132B			95		TYP OF 1	REBALANCE TO 121 CFM
2132A			255		TYP OF 1	ADD 1- 2W/2S (4FT) DIFFUSER FOR A TOTAL OF 2 DIFFUSERS BALANCE ALL TO 186 CFM EACH
2146B	2W/4S		257	.06	TYP OF 6	REBALANCE TO 185 CFM EACH
2131B	2W/2S	2	80	.05	TYP OF 1	REBALANCE TO 98 CFM
2146D			25		TYP OF 1	REBALANCE TO 55 CFM
2126A			82		TYP OF 2	REBALANCE TO 65 CFM EACH
2126B	2W/4S	4	222	.06	TYP OF 1	REBALANCE TO 290 CFM
2126C	2W/4S	2	104	.05	TYP OF 3	REBALANCE TO 137 CFM EACH
2126D	2W/2S	4	159	.07	TYP OF 1	REBALANCE TO 214 CFM
2126E			80		TYP OF 1	REBALANCE TO 98 CFM
2126F			72		TYP OF 1	REBALANCE TO 94 CFM
2132F	2W/4S		94	.06	TYP OF 3	REBALANCE TO 104 CFM EACH
2132G	2W/2S		69	.07	TYP OF 1	REBALANCE TO 100 CFM
2131A	2W/4S		102	.06	TYP OF 2	REBALANCE TO 108 CFM EACH
2108			375	.06	TYP OF 4	REBALANCE TO 276 CFM EACH
2110			395		TYP OF 4	REBALANCE TO 276 CFM EACH
2112			395		TYP OF 4	REBALANCE TO 276 CFM EACH
2114			395		TYP OF 4	REBALANCE TO 276 CFM EACH
2116			216		TYP OF 2	REBALANCE TO 192 CFM EACH
2116A			216		TYP OF 4	REBALANCE TO 87 CFM EACH
2135			375		TYP OF 4	REBALANCE TO 276 CFM EACH
2137			395		TYP OF 4	REBALANCE TO 276 CFM EACH
2139			395		TYP OF 4	REBALANCE TO 276 CFM EACH
2141			395		TYP OF 4	REBALANCE TO 284 CFM EACH
2143			216		TYP OF 2	REBALANCE TO 199 CFM EACH
2143A			216		TYP OF 2	REBALANCE TO 199 CFM EACH
2208	2W/4S		406	.07	TYP OF 8	REBALANCE TO 203 CFM EACH
2206			406	.07	TYP OF 8	REBALANCE TO 203 CFM EACH
2200			236	.06	TYP OF 14	REBALANCE TO 214 CFM EACH
2197			386	.06	TYP OF 8	REBALANCE TO 262 CFM EACH
2198		2	116	.05	TYP OF 3	REBALANCE TO 168 CFM EACH
2199		2	87	.05	TYP OF 5	ADD 2- 2W/4S (2FT) DIFFUSERS BALANCE ALL TO 203 CFM EACH
2214		4	406	.07	TYP OF 8	REBALANCE TO 239 CFM EACH
2212					TYP OF 8	REBALANCE TO 209 CFM EACH
2210					TYP OF 8	REBALANCE TO 193 CFM EACH
2180/2230			250	.06	TYP OF 4	REBALANCE TO 180 CFM EACH

KEY PLAN

NO SCALE



NOTE:

① MAXIMUM CFM FOR 1W/1S, 2 FT. LONG = 15 CFM.
② MAXIMUM CFM FOR 2W/2S, 2 FT. LONG = 100 CFM.
4 FT. LONG = 200 CFM.
③ MAXIMUM CFM FOR 2W/4S, 2 FT. LONG = 200 CFM.
4 FT. LONG = 400 CFM.

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STATE OF MARYLAND — MECHANICAL ENGINEER

US ARMY ENGINEERING AND SUPPORT CENTER HUNTSVILLE

Symbol	Description	Date	Appr.

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Date: 02/27/04 | Checked by: WTT
CADD File Name: 312MK03.DGN | Dwn by: ICT
ICT Project No. 20321 | DAC87-03-D-0006
Plot date: 02/27/04 | Approved by:
Plot scale: | Chief, Pr.j. Mgmt. Division

TASK ORDER #1 FRR004

PENGUMED

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DEFENSE INFORMATION SCHOOL
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MECHANICAL SCHEDULES

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