NEW VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	1	15	21	24	25	26	27	28	31	35	36	37	38	39	41	43	44	45	49	50	51	56	57	60	80	81	82	83
SPACE NUMBER	1116	2141	2116A	2125	2124	2123	2122	2111	2117	2212	2207	2210	2201	2210	2212	2148	2148	2165	2177	2179	2194	2184	2181	2187	2132	2132E	2132E	2136
CFM	750	815	350	1156	533	731	485	538	491	837	1586	770	872	770	837	600	600	2936	760	806	794	835	1079	501	666	625	625	1170
MIN SUPPLY CFM	486	326	113	463	267	366	194	265	246	420	397	273	436	273	420	328	328	1100	380	403	199	335	270	125	333	250	250	470
MAX SP-H_2O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SOUND POWER LEVEL (NC) - MAX.	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
MODEL VCWF	08	08	05	10	08	08	06	08	06	08	12	08	08	08	08	08	08	14	08	08	08	08	10	06	08	08	08	10
DUCT RUN-OUT SIZE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	14"	EXISTING	EXISTING	EXISTING	EXISTING		EXISTING	EXISTING	EXISTING	EXISTING	11"	EXISTING	12"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
REHEAT COIL																												
BTU HR	18,983	13,706	5886	19,441	8480	14,295	9472	8913	8274	14,127	26,673	12,950	14,665	12,950	14,665	11,365	11,365	49,376	12,781	13,555	13,353	14,043	18,146	8408	13,730	8951	8951	16,981
ENT WTR TEMP (F°)	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°
GPM	1.9	1.4	0.6	1.9	0.9	1.4	0.9	0.9	0.8	1.4	2.7	1.3	1.5	1.3	1.5	1.1	1.1	4.9	1.3	1.4	1.3	1.4	1.8	0.8	1.4	0.9	0.9	1.7
ROWS	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D
WTR PD FT. (MAX.)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
EAT DB.	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	47°F	47°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	47°F	47°F	47°F	47°F
LAT DB.	85°F	80°F	80°F	80°F	80°F	85°F	85°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	85°F	90°F	90°F	80°F
PIPING RUN-OUT SIZE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING

REMARKS: (ALL NOTES APPLY TO ALL BOXES)

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④ SEE SHEET M-504 FOR VAV BOX PLENUM DETAIL (CONNECTIONS TO DIFFUSERS).
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NEW VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	84	85	89	90	92	99	101	103	104	114	115	117	125	134	136	138	139	142	145	153	156	159	160	161	162	163	165	166
SPACE NUMBER	2133	2128	2132	2132	2129	2107	2120	2109	2109A	2199	2208	2208	2150A	2150D	2149	2151	2151	2151B	2176	2160B	2162	2218	2218	2217	2211	2115	2205	2205
CFM	1321	1121	666	666	904	1130	1567	507	435	1420	813	813	637	93	1151	573	573	178	726	646	109	475	475	750	887	797	548	548
MIN SUPPLY CFM	667	490	333	333	226	619	627	80	200	675	407	407	255	24	378	144	144	89	271	258	40	194	194	214	222	399	274	219
MAX SP-H_2O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SOUND POWER LEVEL (NC)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
MODEL VCWF	10	10	08	08	08	10	12	06	06	14	08	08	08	04	10	08	08	04	08	08	04	06	06	08	08	08	08	08
DUCT RUN-OUT SIZE	12"	12"	EXISTING	EXISTING	EXISTING	12"	EXISTING	8"	8"	14"	EXISTING	EXISTING	EXISTING	EXISTING	12"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
REHEAT COIL																												
BTU HR	22,216	18,852	13,730	13,730	15,203	20,820	28,053	8527	7315	27,733	13,689	13,689	12,440	1564	19,660	9636	9636	2993	11,751	12,616	1833	9277	7988	14,648	17,323	13,403	9216	7366
ENT WTR TEMP (F°)	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°
GPM	2.2	1.9	1.4	1.4	1.5	2.1	2.8	0.9	0.7	2.8	1.4	1.4	1.2	0.2	1.9	1.0	1.0	0.3	1.2	1.3	0.2	0.9	0.8	1.5	1.7	1.3	0.9	0.7
ROWS	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D
WTR PD FT. (MAX.)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
EAT DB.	49°F	49°F	47°F	47°F	49°F	49°F	47°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F
LAT DB.	80°F	80°F	85°F	85°F	80°F	80°F	85°F	80°F	80°F	85°F	80°F	80°F	85°F	80°F	80°F	80°F	80°F	80°F	80°F	85°F	80°F	85°F	80°F	85°F	85°F	80°F	80°F	85°F
PIPING RUN-OUT SIZE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING

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NEW VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	167	168	169	170	171A	174	176	180A	181A	184	185	188	189	191	192	193	196	197	198	199	200	202	203	205	207	208	215	220
SPACE NUMBER	2203B	2203A	2119	2119	1178	1186	1186	1126	1126	1125A	1125B	1135	1137	1172	1190	1190	1196	1196	1212C	1212	1212B	1205	1204	1201	1192A	1197	1179	1189
CFM	744	731	320	320	1609	1120	1120	1911	1911	346	346	498	959	1708	592	592	492	492	2408	493	394	918	917	1339	960	1418	1120	1044
MIN SUPPLY CFM	372	366	155	155	646	450	450	955	955	173	173	182	240	854	174	174	194	194	641	123	99	230	230	670	240	709	353	313
MAX SP-H_2O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		0.5
SOUND POWER LEVEL (NC)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
MODEL VCWF	08	08	05	05	12	10	10	12	12	05	05	06	10	12	08	08	06	06	16	06	06	10	10	10	10	12	10	10
DUCT RUN-OUT SIZE	EXISTING	EXISTING	EXISTING	EXISTING	14"	EXISTING	EXISTING	14"	14"	EXISTING	EXISTING	EXISTING	12"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	18"	9"	9"	EXISTING	EXISTING	EXISTING	12"	14"	12"	12"
REHEAT COIL																												
BTU HR	14,530	14,276	5382	5382	27,059	15,136	15,136	37,322	37,322	5819	5819	8375	16,128	28,724	9956	9956	8274	8274	40,497	8291	6626	15,439	15,439	22,535	18,949	23,847	18,836	17,558
ENT WTR TEMP (F°)	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°
GPM	1.5	1.4	0.5	0.5	2.7	1.5	1.5	3.7	3.7	0.6	0.6	0.8	1.6	2.9	1.0	1.0	0.8	0.8	4.0	0.8	0.7	1.5	1.5	2.3	1.9	2.4	1.9	1.8
ROWS	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D
WTR PD FT. (MAX.)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
EAT DB.	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	47°F	47°F	47°F	47°F	47°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F
LAT DB.	85°F	85°F	80°F	80°F	80°F	80°F	80°F	85°F	85°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	85°F	80°F	80°F	80°F
PIPING RUN-OUT SIZE	EXISTING	EXISTING	EXISTING	EXISTING	¾"	EXISTING	EXISTING	1"	1"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	1"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	1"	EXISTING	EXISTING

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NEW VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	221	224	225	238	239	240	241	241A	245	246	247	248	248A	249	250	258	260	263	267	275	277	278	283	288	290	293	295	
SPACE NUMBER	1189	1193	1193	1106	1121	1210	1115	1115	1127	1127	1133	1131	1131	1130	1130A	1118G	1164E	1163D	1142	1161A	1161	1161	1148	1150	1150A	1152A	1152B	
CFM	1044	502	502	704	658	1245	1042	1042	2654	2654	575	600	600	1215	1570	188	290	1603	714	550	635	635	2691	537	200	113	113	
MIN SUPPLY CFM	313	157	157	174	165	654	372	372	1327	1327	400	180	180	608	728	94	73	802	294	200	159	159	1076	134	80	57	57	
MAX SP-H_2O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
SOUND POWER LEVEL (NC)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
MODEL VCWF	10	06	06	08	08	10	10	08	14	14	08	08	08	10	12	04	05	12	08	08	08	08	14	08	04	04	04	
DUCT RUN-OUT SIZE	12"	EXISTING	EXISTING	10"	10"	12"	12"	10"	16"	16"	EXISTING	11"	11"	12"	14"	EXISTING	EXISTING	14"	10"	10"	12"	12"	EXISTING	EXISTING	EXISTING	EXISTING	7"	
REHEAT COIL																												
BTU HR	17,558	8,350	8,350	11,840	11,066	25,545	17,524	17,524	44,936	44,936	13,020	10,090	10,090	20,450	26,403	3162	4877	26,975	9889	10,742	10,679	10,679	45,255	9031	3364	1900	1900	
ENT WTR TEMP (F°)	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	
GPM	1.8	0.8	0.8	1.2	1.1	2.6	1.8	1.8	4.5	4.5	1.3	1.0	1.0	2.0	2.6	0.3	0.5	2.7	1.0	1.1	1.1	1.1	4.5	0.9	0.3	0.2	0.2	
ROWS	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	
WTR PD FT. (MAX.)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
EAT DB.	49°F	49°F	49°F	47°F	49°F	49°F	47°F	47°F	47°F	47°F	47°F	49°F	49°F	47°F	47°F	47°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	49°F	
LAT DB.	80°F	80°F	80°F	80°F	80°F	85°F	80°F	80°F	80°F	80°F	80°F	80°F	¾"	80°F	80°F	80°F	80°F	80°F	80°F	85°F	80°F	80°F	80°F	80°F	80°F	80°F	80°F	
PIPING RUN-OUT SIZE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	¾"	1¼"	1¼"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	1"	EXISTING	EXISTING	EXISTING	EXISTING	

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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 LIAIBILITIES STATEMENT ON COVER SHEET.

US ARMY ENGINEERING AND SUPPORT CENTER HUNTSVILLE

No.	Description	Date	Appr.	Symbol

Date: 02/27/04
CADD File Name: 312M001.DGN
ICT Project No. 203121
Plot date: 02/27/04
Plot scale:

Checked by: WTT
Dwn by: ICT
DACA87-03-D-0006
Approved by:
Chief, Prj. Mgmt. Division

TASK ORDER #: FRA004

VANGUARD

PADUCAH, KENTUCKY VOICE 270-442-8620

I.C. Thomasson Associates Inc.
NASHVILLE, TENNESSEE PHONE (615) 346-3400

ICT

DEFENSE INFORMATION SCHOOL
FT. MEADE MARYLAND

MECHANICAL SCHEDULES

STATE OF MARYLAND — WILLIAM WILLIAM — MECHANICAL ENGINEER

Sheet reference number:
M-001