SINGLE DUCT AIR TERMINAL UNIT SCHEDULE

UNIT NO.	ROOMS SERVED	CFM [L/s]		TERMINAL UNIT INLET SIZE(NOTE 1) IN. [mm]	UNIT MAX. SP AT MAX. CFM (NOTE 2)	SOUND REQMT'S. @2" INLET PRESSURE				HOT WATER HEATING COIL						
		MAX.	MIN.			RAD NC	DISCH NC	ROOM NC	PERMITTED ROOM NC	ENT. AIR TEMP. °F[°C]	ENT. AIR TEMP. °F[°C]	ENT. WATER TEMP. °F[°C]	GPM [L/s]	MAX. PD FT (K Pa)	MIN HTG CFM [L/s]	MIN. MBH [KW]
TU-131	OFFICE 1A124	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-132	OFFICE 1A135	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-133	OFFICE 1A125	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-134	OFFICE 1A136	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-135	OFFICE 1A126	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-136	OFFICE 1A137	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-137	OFFICE 1A127	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-138	OFFICE 1A138	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-139	OFFICE 1A128	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-140	OFFICE 1A139	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-141	CORRIDORS C1002-C1005	1045 [492]	1045 [492]	14ø [356]	0.12	21	25	27	40	52 [11.1]	106.7 [41.5]	180 [82.2]	3.0 [0.20]	1.08 [3.24]	1045 [492]	62.0 [18.2]
TU-142	ELEV LOBBY 1A143	270 [127]	100 [47]	8ø [203]	0.05	<20	21	23	35	52 [11.1]	106.4 [41.3]	180 [82.2]	0.5 [0.03]	0.18 [0.54]	100 [47]	5.9 [1.7]
TU-201	STAFF LOUNGE 2A142	985 [463]	420 [197]	12ø [305]	0.12	<20	23	25	35	52 [11.1]	96.5 [35.8]	180 [82.2]	3.0 [0.19]	0.53 [1.09]	420 [197]	20.3 [6.0]
TU-202	OFFICE 2A141	180 [85]	140 [66]	6ø [152]	0.04	<20	22	23	35	52 [11.1]	103.4 [39.7]	180 [82.2]	2.0 [0.13]	1.92 [5.76]	140 [66]	7.8 [2.3]
TU-203	OFFICE 2A140	570 [268]	185 [87]	8ø [203]	0.15	21	26	28	35	52 [11.1]	101.3 [38.5]	180 [82.2]	2.0 [0.13]	2.06 [6.18]	185 [87]	9.9 [2.9]
TU-204	WORK AREA 2A122	770 [362]	480 [226]	14ø [356]	0.05	<20	24	26	40	52 [11.1]	99.4 [37.4]	180 [82.2]	2.5 [0.16]	0.45 [1.35]	480 [226]	24.7 [7.3]
TU-205	OPEN AREA 2A121	2100 [987]	650 [306]	24x16 [610x406]	0.08	27	28	29	35	52 [11.1]	106.6 [41.4]	180 [82.2]	3.0 [0.19]	2.36 [7.08]	650 [306]	38.5 [11.3]
TU-206	OPEN AREA 2A121	1300 [611]	260 [122]	14ø [356]	0.10	22	26	28	35	52 [11.1]	108.4 [42.4]	180 [82.2]	1.3 [0.08]	0.14 [0.42]	260 [122]	15.9 [4.7]
TU-207	INTERACTIVE 2A118	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-208	OFFICE 2A119	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-209	OFFICE 2A120	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-210	WAITING 2A115	115 [55]	70 [33]	5ø [127]	0.06	<20	<20	<20	35	52 [11.1]	107.3 [41.8]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	70 [33]	4.2 [1.2]
TU-211	INTERACTIVE 2A117	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-212	CONFERENCE 2A107	1770 [832]	270 [127]	16ø [406]	0.12	23	25	27	35	52 [11.1]	106.9 [41.6]	180 [82.2]	0.9 [0.06]	0.08 [0.24]	270 [127]	16.1 [4.7]
TU-213	OFFICE 2A108	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-214	INTERACTIVE 2A116	65 [31]	65 [31]	5ø [127]	0.03	<20	<20	<20	35	52 [11.1]	108.7 [42.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	65 [31]	4.0 [1.2]
TU-215	CORRIDOR C2001	1095 [515]	170 [80]	12ø [305]	0.14	21	24	26	40	52 [11.1]	107.8 [42.1]	180 [82.2]	0.9 [0.06]	0.06 [0.18]	170 [80]	10.3 [3.0]
TU-216	OFFICE 2A106	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-217	OFFICE 2A105	75 [36]	75 [36]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	108.5 [42.5]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	75 [35]	4.6 [1.4]
TU-218	OPEN AREA 2A100	3715 [1746]	650 [306]	24x16 [610x406]	0.19	34	33	35	35	52 [11.1]	105.2 [40.7]	180 [82.2]	2.5 [0.16]	1.70 [5.10]	650 [306]	37.5 [11.0]
TU-219	WORK AREA 2A101	1000 [48]	215 [101]	12ø [305]	0.12	<20	23	25	40	52 [11.1]	105.2 [40.7]	180 [82.2]	1.3 [0.08]	0.11 [0.33]	215 [101]	12.4 [3.6]
TU-220	TLT/JAN/CORR 2A103/2A104	340 [160]	340 [160]	9ø [229]	0.04	21	21	24	40	52 [11.1]	98.6 [37]	180 [82.2]	4.0 [0.25]	9.35 [28.10]	340 [160]	17.2 [5.1]
TU-221	OFFICE 2A110	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 0.33]	80 [38]	4.7 [1.4]
TU-222	OFFICE 2A129	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE

UNIT NO.	ROOMS SERVED	CFM [L/s]		TERMINAL UNIT INLET SIZE(NOTE 1) IN. [mm]	UNIT MAX. SP AT MAX. CFM (NOTE 2)	SOUND REQMT'S. @2" INLET PRESSURE				HOT WATER HEATING COIL						
		MAX.	MIN.			RAD NC	DISCH NC	ROOM NC	PERMITTED ROOM NC	ENT. AIR TEMP. °F[°C]	LV. AIR TEMP. °F[°C]	ENT. WATER TEMP. °F[°C]	GPM [L/s]	MAX. PD FT (K Pa)	MIN HTG CFM [L/s]	MIN. MBH [KW]
TU-223	OFFICE 2A111	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-224	OFFICE 2A130	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-225	OFFICE 2A112	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-226	OFFICE 2A131	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-227	OFFICE 2A113	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-228	OFFICE 2A132	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-229	OFFICE 2A114	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-230	OFFICE 2A133	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-231	OFFICE 2A124	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-232	OFFICE 2A135	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-233	OFFICE 2A125	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-234	OFFICE 2A136	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-235	OFFICE 2A126	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-236	OFFICE 2A137	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-237	OFFICE 2A127	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-238	OFFICE 2A138	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-239	OFFICE 2A128	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-240	OFFICE 2A139	80 [38]	80 [38]	5ø [127]	0.04	<20	<20	<20	35	52 [11.1]	106.1 [41.2]	180 [82.2]	0.4 [0.03]	0.11 [0.33]	80 [38]	4.7 [1.4]
TU-241A	CORRIDOR G2002-G2005	525 [247]	525 [247]	12ø [305]	0.12	<20	20	23	40	52 [11.1]	113.8 [45.4]	180 [82.2]	1.8 [0.11]	1.28 [3.84]	525 [247]	35.2 [10.3]
TU-241B	CORRIDOR G2002-G2005	525 [247]	525 [247]	12ø [305]	0.12	<20	20	23	40	52 [11.1]	113.8 [45.4]	180 [82.2]	1.8 [0.11]	1.28 [3.84]	525 [247]	35.2 [10.3]
TU-242	ELEV LOBBY 2A143	390 [184]	390 [184]	7ø [178]	0.14	25	25	28	35	52 [11.1]	108.5 [42.5]	180 [82.2]	2.0 [0.13]	1.14 [0.07]	390 [183]	23.9 [7.0]
TU-B01	ELEV LOBBY BA100	90 [42]	90 [42]	5ø [127]	0.05	<20	<20	<20	35	52 [11.1]	107.3 [41.8]	180 [82.2]	0.6 [0.04]	0.23 [0.02]	90 [42]	5.4 [1.6]
TU-R01	ELEV LOBBY RA143	280 [132]	280 [132]	8ø [203]	0.08	<20	21	23	35	52 [11.1]	108.3 [42.4]	180 [82.2]	0.9 [0.06]	0.25 [0.02]	280 [132]	17.1 [5.0]
TU-P01	PASSAGE 3A146	835 [392]	835 [392]	24x16 [609x406]	0.08	27	28	29	40	52 [11.1]	106.2 [41.2]	180 [82.2]	9.0 [0.57]	17.17 [1.08]	835 [392]	49.1 [14.4]
TU-P02	BRIDGE 3A146A	1925 [905]	1600 [752]	24x16 [609x406]	0.19	29	29	31	40	52 [11.1]	107.4 [41.9]	180 [82.2]	3.5 [0.22]	1.00 [0.06]	1600 [752]	96.2 [28.2]

NOTES:

1. THE SIZES OF THE DUCT RUNOOUTS TO THE UNITS SHOWN ON THE FLOORPLANS ARE THE MINIMUM ACCEPTABLE SIZES AND REQUIRE A DUCT TRANSITION AT UNITS WHERE THE UNIT INLET SIZE IS NOT THE SAME SIZE AS THE DUCT RUNOUT. DUCT RUNOUTS MAY BE UPSIZED FROM THAT SHOWN ON THE FLOORPLANS TO MATCH THE UNIT INLET SIZE IN ORDER TO ELIMINATE THIS TRANSITION.
2. THE UNIT MAXIMUM SP IS THE PRESSURE DIFFERENCE BETWEEN THE UNIT INLET AND DISCHARGE INCLUDING REHEAT COIL AND SOUND ATTENUATOR. IT IS ALSO THE MINIMUM PRESSURE REQUIRED AT THE UNIT INLET TO OBTAIN THE RATED CFM.
3. SELECTIONS BASED ON AN ELEVATION OF 1224 FT.
4. BOXES WITH RCP IN ZONE ARE CONTROL TYPE D; WITHOUT RCP ARE CONTROL TYP C. SEE DIAGRAMS 3 & 4 ON MH7-104.
5. SEE RUNOUT SCHEDULE FOR PIPE SIZE TO COIL.

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

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Drawing Title: **HVAC Schedules**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date: **08-18-10** | Checked: **JS** | Drawn: **RAN**

Project Number: **646CA2500R**
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