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-G01	STAFF LOUNGE GA139	935 [440]	170 [80]	12ø [305]	0.11	<20	22	25	35	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-G02	OFFICE GA138	315 [149]	110 [52]	6ø [152]	0.10	<20	27	28	40	52 [11.1]	105.6 [40.9]	180 [82.2]	1.0 [0.06]	0.56 [1.68]	110 [52]	6.4 [1.9]
TU-G03	OFFICE GA137	545 [257]	100 [47]	8ø [203]	0.14	21	26	27	40	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-G04	WORK AREA GA121A	745 [351]	745 [350]	12ø [305]	0.13	<20	20	23	40	52 [11.1]	108.0 [42.2]	180 [82.2]	2.5 [0.16]	2.35 [7.05]	745 [350]	45.3 [13.3]
TU-G05	OPEN AREA GA121	2025 [952]	350 [165]	16ø [406]	0.15	24	26	28	35	52 [11.1]	107.3 [41.8]	180 [82.2]	1.8 [0.11]	0.27 [0.81]	350 [165]	21.0 [6.2]
TU-G06	OPEN AREA GA121	1040 [489]	330 [155]	12ø [305]	0.13	20	23	26	35	52 [11.1]	100.0 [37.8]	180 [82.2]	2.3 [0.15]	0.33 [0.99]	330 [155]	17.2 [5.0]
TU-G07	WORK/CORR GA119/CG001	145 [69]	70 [33]	5ø [127]	0.09	<20	<20	<20	40	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-G08	CLINICAL TRAIL GA118	1685 [792]	240 [113]	14ø [356]	0.15	23	27	29	35	52 [11.1]	106.5 [41.1]	180 [82.2]	0.9 [0.06]	0.07 [0.21]	240 [113]	14.2 [4.2]
TU-G09	EXAM RM GA110	395 [186]	85 [40]	6ø [152]	0.14	<20	30	30	35	52 [11.1]	107.3 [41.8]	180 [82.2]	0.5 [0.03]	0.16 [0.48]	85 [40]	5.1 [1.5]
TU-G10	EXAM RM GA109	395 [186]	85 [40]	6ø [152]	0.14	<20	30	30	35	52 [11.1]	107.3 [41.8]	180 [82.2]	0.5 [0.03]	0.16 [0.48]	85 [40]	5.1 [1.5]
TU-G11	EXAM RM GA108	405 [191]	110 [52]	6ø [152]	0.14	20	30	31	35	52 [11.1]	103.1 [39.5]	180 [82.2]	0.7 [0.04]	0.30 [0.90]	110 [52]	6.1 [1.8]
TU-G12	CG006 GA111,12,13	100 [48]	70 [33]	5ø [127]	0.05	<20	<20	<20	40	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-G13	EXAM RM GA107	535 [251]	85 [40]	8ø [203]	0.13	21	25	27	35	52 [11.1]	105.1 [40.6]	180 [82.2]	0.3 [0.02]	0.07 [0.21]	85 [40]	4.9 [1.4]
TU-G14	WAITING AREA GA106	1425 [670]	235 [110]	14ø [356]	0.12	22	26	28	35	52 [11.1]	108.1 [42.3]	180 [82.2]	1.0 [0.06]	0.08 [0.24]	235 [110]	14.3 [4.2]
TU-G16	LOBBY/ELEV GA101/GA102	530 [250]	185 [87]	8ø [203]	0.13	21	25	27	35	52 [11.1]	99.3 [37.4]	180 [82.2]	1.3 [0.08]	0.96 [2.88]	185 [87]	9.5 [2.8]
TU-G17	TLT/JAN/CORR GA103,4,5	255 [120]	255 [120]	12ø [305]	0.02	<20	<20	<20	40	52 [11.1]	108.4 [42.4]	180 [82.2]	4.2 [0.26]	0.99 [2.97]	255 [120]	15.6 [4.6]
TU-G18	CONFERENCE GA116	610 [287]	215 [101]	9ø [229]	0.09	23	23	27	35	52 [11.1]	101.7 [38.7]	180 [82.2]	1.0 [0.06]	0.80 [2.40]	215 [101]	11.6 [3.4]
TU-G19	OFFICE GA117	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-G20	OFFICE GA122	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-G21	OFFICE GA129	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-G22	OFFICE GA123	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-G23	OFFICE GA130	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-G24	OFFICE GA132	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-G25	OFFICE GA124	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-G26	OFFICE GA133	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-G27	OFFICE GA125	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-G28	OFFICE GA134	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-G29	OFFICE GA126	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-G30	OFFICE GA135	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-G31	OFFICE GA127	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-G32	OFFICE GA136	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-G33	OFFICE GA128	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-G34	CORR CG002-CG005	730 [344]	730 [344]	12ø [305]	0.13	<20	<20	23	40	52 [11.1]	107.0 [41.7]	180 [82.2]	2.2 [0.14]	1.86 [5.58]	730 [343]	43.6 [12.8]

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-G35	ELEV LOBBY GA139	440 [207]	440 [207]	12ø [305]	0.04	<20	<20	<20	35	52 [11.1]	97.9 [36.6]	180 [82.2]	5.0 [0.32]	1.37 [4.11]	440 [207]	21.9 [6.4]
TU-101	STAFF LOUNGE 1A142	1080 [508]	240 [113]	14ø [356]	0.08	21	25	27	35	52 [11.1]	107.7 [42.1]	180 [82.2]	1.0 [0.06]	0.08 [0.24]	240 [113]	14.5 [4.3]
TU-102	OFFICE 1A141	385 [181]	100 [47]	6ø [152]	0.13	<20	29	30	35	52 [11.1]	108.2 [42.3]	180 [82.2]	1.1 [0.07]	0.67 [2.01]	100 [47]	6.1 [1.8]
TU-103	OFFICE 1A140	685 [322]	120 [56]	10ø [254]	0.11	21	25	27	35	52 [11.1]	107.3 [41.8]	180 [82.2]	0.4 [0.03]	0.16 [0.48]	120 [56]	7.2 [2.1]
TU-104	WORK AREA 1A122	705 [332]	200 [94]	10ø [254]	0.12	21	25	27	35	52 [11.1]	106.8 [41.6]	180 [82.2]	2.0 [0.13]	2.74 [8.22]	200 [94]	11.9 [3.5]
TU-105	OPEN AREA 1A121	2550 [1199]	530 [249]	24x16 [610x406]	0.11	29	29	31	35	52 [11.1]	108.2 [42.3]	180 [82.2]	2.0 [0.13]	1.14 [3.42]	530 [249]	32.3 [9.5]
TU-106	OPEN AREA 1A121	1040 [489]	230 [108]	12ø [305]	0.13	20	23	26	35	52 [11.1]	105.3 [40.7]	180 [82.2]	1.6 [0.01]	0.17 [0.51]	230 [108]	13.3 [3.9]
TU-107	INTERACTIVE 1A118	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-108	OFFICE 1A119	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-109	OFFICE 1A120	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-110	WAITING AREA 1A115	100 [48]	70 [33]	5ø [127]	0.05	<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-111	INTERACTIVE 1A117	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-112	CONFERENCE 1A107	1745 [821]	300 [141]	16ø [406]	0.12	23	25	27	35	52 [11.1]	108.2 [42.3]	180 [82.2]	1.3 [0.09]	0.15 [0.45]	300 [141]	18.3 [5.4]
TU-113	OFFICE 1A108	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-114	INTERACTIVE 1A116	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-115	CORRIDOR C1001	1030 [485]	230 [108]	12ø [305]	0.13	20	23	25	40	52 [11.1]	106.5 [41.4]	180 [82.2]	1.9 [.12]	0.23 [0.69]	230 [108]	13.6 [4.0]
TU-116	OFFICE 1A106	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 [1.9]
TU-117	OFFICE 1A105	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 [1.9]
TU-118	OPEN AREA 1A100	3715 [1747]	650 [306]	24x16 [610x406]	0.19	34	33	35	35	52 [11.1]	105.2 [40.1]	180 [82.2]	2.5 [0.16]	1.70 [5.10]	650 [306]	37.5 [11.0]
TU-119	WORK AREA 1A101	815 [384]	185 [87]	10ø [254]	0.14	22	26	28	40	52 [11.1]	107.3 [41.8]	180 [82.2]	1.5 [0.09]	1.65 [4.95]	185 [87]	11.1 [3.3]
TU-120	TLT/JAN/CORR 1A103/1A104	240 [113]	240 [113]	7ø [178]	0.04	22	21	25	40	52 [11.1]	95.0 [35.0]	180 [82.2]	1.5 [0.09]	1.24 [3.72]	240 [113]	11.2 [3.3]
TU-121	OFFICE 1A110	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-122	OFFICE 1A129	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-123	OFFICE 1A111	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-124	OFFICE 1A130	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-125	OFFICE 1A112	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-126	OFFICE 1A131	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-127	OFFICE 1A113	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-128	OFFICE 1A132	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-129	OFFICE 1A114	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-130	OFFICE 1A133	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]

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**
Building Number: **30**
Drawing Number: **MH6-102**
Dwg. . of

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Department of Veterans Affairs

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