AIR DEVICE SCHEDULE (SUPPLY)

MARK	TYPE	AIR FLOW MIN CFM	AIR FLOW MIN [L/s]	AIR FLOW MAX CFM	AIR FLOW MAX [L/s]	MAX APD IN WG	MAX APD [Pa]	MOUNTING	PANEL/FRAME SIZE IN x IN	PANEL/FRAME SIZE [mm x mm]	NECK SIZE IN	NECK SIZE [mm]	NC	DAMPER	FINISH	REMARKS
SD-11	LOUVERED FACE	40	[19]	160	[76]	0.080	[20]	CEILING	24 x 24	[600 x 600]	6 ø	[152 ø]	19	NONE	WHITE	-----
SD-12	LOUVERED FACE	70	[33]	280	[130]	0.100	[25]	CEILING	24 x 24	[600 x 600]	8 ø	[203 ø]	23	NONE	WHITE	-----
SD-13	LOUVERED FACE	110	[52]	380	[180]	0.090	[23]	CEILING	24 x 24	[600 x 600]	10 ø	[254 ø]	22	NONE	WHITE	-----
SD-14	LOUVERED FACE	160	[76]	470	[220]	0.080	[20]	CEILING	24 x 24	[600 x 600]	12 ø	[305 ø]	19	NONE	WHITE	-----
SD-15	LOUVERED FACE	220	[100]	640	[300]	0.090	[23]	CEILING	24 x 24	[600 x 600]	14 ø	[356 ø]	21	NONE	WHITE	-----
SD-16	LOUVERED FACE	250	[120]	740	[350]	0.100	[25]	CEILING	24 x 24	[600 x 600]	16 ø	[406 ø]	22	NONE	WHITE	-----
SD-51	SUPPLY REGISTER	80	[38]	120	[57]	0.100	[25]	CEILING/WALL	8 x 8	[203 x 203]	6 x 6	[152 x 152]	25	OBD	WHITE	-----

NOTES

1. SEE FLOOR PLAN FOR THROW PATTERN.
2. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER.
3. PROVIDE SQUARE TO ROUND ADAPTER.

AIR DEVICE SCHEDULE (RETURN & EXHAUST)

MARK	TYPE	AIR FLOW MIN CFM	AIR FLOW MIN [L/s]	AIR FLOW MAX CFM	AIR FLOW MAX [L/s]	MAX APD IN WG	MAX APD [Pa]	MOUNTING	PANEL/FRAME SIZE IN x IN	PANEL/FRAME SIZE [mm x mm]	NECK SIZE IN x IN	NECK SIZE [mm x mm]	NC	DAMPER	FINISH	REMARKS
RG-21	PERFORATED	60	[28]	100	[47]	0.088	22.000	CEILING	24 x 24	[600 x 600]	6 DIAM	[152 DIAM]	13	NONE	WHITE	-----
RG-22	PERFORATED	110	[52]	170	[80]	0.088	22.000	CEILING	24 x 24	[600 x 600]	8 DIAM	[203 DIAM]	13	NONE	WHITE	-----
RG-23	PERFORATED	170	[80]	250	[120]	0.088	22.000	CEILING	24 x 24	[600 x 600]	10 DIAM	[254 DIAM]	14	NONE	WHITE	-----
RG-24	PERFORATED	240	[110]	400	[190]	0.088	22.000	CEILING	24 x 24	[600 x 600]	12 DIAM	[305 DIAM]	12	NONE	WHITE	-----
RG-25	PERFORATED	320	[150]	500	[240]	0.087	22.000	CEILING	24 x 24	[600 x 600]	14 DIAM	[356 DIAM]	14	NONE	WHITE	-----
RG-26	PERFORATED	420	[200]	700	[330]	0.087	22.000	CEILING	24 x 24	[600 x 600]	16 DIAM	[406 DIAM]	16	NONE	WHITE	-----
RR-51	RETURN REGISTER	50	[24]	160	[76]	0.078	20.000	CEILING/WALL	8 x 8	[203 x 203]	6 x 6	[152 x 152]	12	OBD	WHITE	-----
RR-52	RETURN REGISTER	130	[61]	210	[99]	0.078	20.000	CEILING/WALL	10 x 10	[254 x 254]	8 x 8	[203 x 203]	13	OBD	WHITE	-----
RR-53	RETURN REGISTER	200	[94]	330	[160]	0.078	20.000	CEILING/WALL	12 x 12	[305 x 305]	10 x 10	[254 x 254]	15	OBD	WHITE	-----
RR-54	RETURN REGISTER	270	[130]	440	[210]	0.078	20.000	CEILING/WALL	14 x 14	[356 x 356]	12 x 12	[305 x 305]	17	OBD	WHITE	-----
RR-55	RETURN REGISTER	250	[120]	610	[290]	0.082	21.000	CEILING/WALL	16 x 16	[406 x 406]	14 x 14	[356 x 356]	18	OBD	WHITE	-----

NOTE

"EG or ER" IS USED IN PLACE OF "RG or RR" FOR AIR DEVICES USED ON EXHAUST SYSTEMS

PROVIDE SQUARE TO ROUND ADAPTER.

AIR DEVICE SCHEDULE (LINEAR)

MARK	TYPE	AIR FLOW MIN CFM	AIR FLOW MIN [L/s]	AIR FLOW MAX CFM	AIR FLOW MAX [L/s]	MAX APD IN WG	MAX APD [Pa]	MIN THROW FT	MIN THROW [M]	MAX THROW FT	MAX THROW [M]	# OF SLOTS	SLOT WIDTH IN	SLOT WIDTH [mm]	PANEL/FRAME SIZE IN	PANEL/FRAME SIZE [mm]	NECK SIZE IN	NECK SIZE [mm]	THROW PATTERN	THROW TYPE	NC	DAMPER	FINISH	REMARKS
SD-31	LINEAR	180	[85]	580	[270]	0.27	66.70	4 - 7 -15	2.0 - 3.1 - 4.9	17 - 21 - 30	5.3 - 6.5 - 9.2	2	2	[50]	24 x 5	[600 x 127]	10 ø	[254 ø]	2 WAY	VERTICAL	41	NONE	WHITE	-----
SD-310	LINEAR	50	[24]	350	[170]	0.26	63.80	4 - 5 - 11	1.1 - 1.6 - 3.3	23 - 28 - 39	6.9 - 8.4 - 11.9	2	1	[25]	48 x 5	[1219 x 127]	10 ø	[254 ø]	1 WAY	VERTICAL	32	NONE	WHITE	-----

NOTES

1. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER.
2. PROVIDE COLLAR AND TRANSITION AS REQUIRED.

SMOKE AND COMBINATION FIRE/SMOKE DAMPER SCHEDULE

MARK	LOCATION	FAN SYSTEM	SYSTEM AND/OR SERVICE	DUCT SIZE IN	DUCT SIZE [mm]	DUCT PRESSURE CLASS IN WG	DUCT PRESSURE CLASS [Pa]	REMARKS
A	3RD FLR ROOF	2-SAF 1&2	2-AHU4	53X20		4	[1000]	SMOKE DAMPER
B	3RD FLR ROOF	2-RAF 1&2	2-AHU-4	53X20		2	[500]	SMOKE DAMPER
C	3RD FLOOR	2-SAF 1&2	2-AHU-4	14X10		2	[500]	COMBINATION FIRE/SMOKE DAMPER
D	3RD FLOOR	2-SAF 1&2	2-AHU-4	36X12		4	[1000]	COMBINATION FIRE/SMOKE DAMPER
E	3RD FLOOR	2-RAF 1&2	GENERAL EXHAUST	30X12		2	[500]	COMBINATION FIRE/SMOKE DAMPER
F	3RD FLOOR	2-SAF 1&2	2-AHU-4	12X8		4	[1000]	COMBINATION FIRE/SMOKE DAMPER
G	3RD FLOOR	EX. EF-3	2-AHU-4	14X10		2	[500]	COMBINATION FIRE/SMOKE DAMPER
H	3RD FLOOR	2-SAF 1&2	2-AHU-4	16X14		4	[1000]	COMBINATION FIRE/SMOKE DAMPER
I	3RD FLOOR	2-SAF 1&2	2-AHU-4	9" ROUND		4	[1000]	COMBINATION FIRE/SMOKE DAMPER
J	3RD FLOOR	2-RAF 1&2	2-AHU-4	7" ROUND		2	[500]	COMBINATION FIRE/SMOKE DAMPER
K	3RD FLOOR	EX EF-3	GENERAL EXHAUST	6" ROUND		2	[500]	COMBINATION FIRE/SMOKE DAMPER
L	3RD FLOOR	2-SAF 1&2	2-AHU-4	8X8		4	[1000]	COMBINATION FIRE/SMOKE DAMPER
M	3RD FLOOR	2-SAF 1&2	2-AHU-4	6" ROUND		2	[500]	COMBINATION FIRE/SMOKE DAMPER
N	3RD FLOOR	EX. EF-1	GENERAL EXHAUST	8X6		2	[500]	COMBINATION FIRE/SMOKE DAMPER
O	3RD FLOOR	EX. EF-1	GENERAL EXHAUST	18X14		2	[500]	COMBINATION FIRE/SMOKE DAMPER
P	3RD FLOOR	EX. EF-1	GENERAL EXHAUST	18X14		2	[500]	COMBINATION FIRE/SMOKE DAMPER
							[ ]	

AIR TERMINAL UNIT SIZING SCHEDULE

SIZE	MIN ALLOWABLE AIR FLOW CFM	MIN ALLOWABLE AIR FLOW [L/s]	MAX ALLOWABLE AIR FLOW CFM	MAX ALLOWABLE AIR FLOW [L/s]	DUCT INLET SIZE IN	DUCT INLET SIZE [mm]	MAX APD IN WG	MAX APD [Pa]	MAXIMUM SOUND POWER LEVEL (Re: 10 -12 WATTS) FOR BOX DISCHARGE AT MAXIMUM INLET DUCT STATIC OCTAVE BANDS 2	3	4	5	6	7	HOT WATER HEATING COIL EAT °F	EAT [°C]	EWT °F	EWT [°C]	FLOW GPM	FLOW [L/m]	MAX WPD FT	MAX WPD [kPa]	PIPE RUNOUT SIZE TO COIL IN	PIPE RUNOUT SIZE TO COIL [mm]	REMARKS
A	60	[28]	170	[80]	4	[100]	0.4	[100]	69	65	58	52	51	47	55	[13]	140	[60]	0.5	[2]	3	[9]	0.75	[19]	----
B	90	[42]	260	[120]	5	[130]	0.4	[100]	69	63	59	52	51	47	55	[13]	140	[60]	0.5	[2]	3	[9]	0.75	[19]	----
C	130	[61]	380	[180]	6	[150]	0.4	[100]	69	67	61	55	52	49	55	[13]	140	[60]	0.7	[3]	4	[12]	0.75	[19]	----
D	160	[76]	490	[230]	7	[180]	0.4	[100]	70	68	63	57	53	49	55	[13]	140	[60]	0.7	[3]	4	[12]	0.75	[19]	----
E	230	[110]	680	[320]	8	[200]	0.4	[100]	71	68	59	53	51	47	55	[13]	140	[60]	1	[4]	3	[9]	0.75	[19]	----
F	270	[130]	790	[370]	9	[230]	0.4	[100]	71	69	60	54	51	47	55	[13]	140	[60]	1.5	[6]	4	[12]	0.75	[19]	----
G	350	[170]	1050	[500]	10	[250]	0.4	[100]	74	68	61	57	54	52	55	[13]	140	[60]	1.5	[6]	4	[12]	0.75	[19]	----
H	500	[240]	1500	[710]	12	[300]	0.4	[100]	73	69	64	59	57	53	55	[13]	140	[60]	2.5	[10]	3	[9]	0.75	[19]	----
I	750	[350]	2250	[1100]	14	[350]	0.4	[100]	73	68	65	61	61	59	55	[13]	140	[60]	3.5	[13]	4	[12]	0.75	[19]	----
J	1000	[470]	3000	[1400]	16	[400]	0.4	[100]	73	68	66	60	58	55	55	[13]	140	[60]	4.5	[17]	4	[12]	1	[25]	----

NOTES

1. INLET STATIC BASED ON ARI 885-98.
2. THIS SCHEDULE IS USED WITH THE TERMINAL UNIT SCHEDULE.
3. CONTROL SEQUENCE SHALL BE AS INDICATED ON THE AIR TERMINAL UNIT SCHEDULE.
4. PROVIDE SOUND ATTENUATION AFTER-SECTION AS REQUIRED TO MEET ROOM NC LEVEL.

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	SYSTEM AIR HANDLING	SIZE	AIR FLOW MAX CFM	AIR FLOW MAX [L/s]	AIR FLOW MIN CFM	AIR FLOW MIN [L/s]	ADDITIONAL SOUND ATTUNATION REQUIRED	CONTROL TYPE	CONTROL SEQUENCE	REHEAT HW (GPM)	REHEAT ELEC	REHEAT NONE	PERIMETER SUPPLEMENTAL HEAT LINK	REMARKS
2-TU-4-30	CORRIDOR	3190D	2-AHU4	A	160	[76]	80	[38]	NONE	VAV	5 DEGREE DEADBAND	0.5			N/A	----
2-TU-4-31	3190G	3190G, 3190H	2-AHU4	C	300	[140]	150	[71]	NONE	VAV	5 DEGREE DEADBAND	0.5			N/A	
2-TU-4-32	CORRIDOR	3190E	2-AHU4	D	420	[200]	210	[99]	NONE	VAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-33	CORRIDOR	3190F, 3190L	2-AHU4	E	540	[250]	270	[130]	NONE	VAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-34	3190J	3190I, 3190J	2-AHU4	C	300	[140]	190	[90]	NONE	VAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-35	3190C	3190C, 3190B, 3091A	2-AHU4	D	405	[190]	205	[97]	NONE	VAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-36	3190K	3190K	2-AHU4	A	135	[64]	70	[33]	NONE	VAV	5 DEGREE DEADBAND	0.5			N/A	
2-TU-4-37	3088	3088, 3089	2-AHU4	C	310	[150]	155	[73]	NONE	VAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-38	CORRIDOR	CORRIDOR	2-AHU4	C	350	[170]	350	[170]	NONE	CAV	5 DEGREE DEADBAND	1.5			N/A	
2-TU-4-39	3100	3100	2-AHU4	A	150	[71]	75	[35]	NONE	VAV	5 DEGREE DEADBAND	0.5			N/A	
2-TU-4-40	CORRIDOR	3156, 3154, CORRIDOR	2-AHU4	C	325	[150]	325	[150]	NONE	CAV	5 DEGREE DEADBAND	1.5			N/A	
2-TU-4-41	3166	3166, 3169, CORRIDOR	2-AHU4	D	385	[180]	385	[180]	NONE	CAV	5 DEGREE DEADBAND	1.5			N/A	
2-TU-4-42	3087	3087	2-AHU4	B	250	[120]	250	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-43	3086	3086	2-AHU4	C	270	[130]	270	[130]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-44	3015	3015	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-45	3014	3014	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-46	3013	3013	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-47	3016	3016	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-48	3017	3017	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-49	3018	3018	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-50	3019	3019	2-AHU4	B	245	[120]	245	[120]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-51	3020	3020	2-AHU4	C	315	[150]	315	[150]	NONE	CAV	5 DEGREE DEADBAND	1.5			N/A	
2-TU-4-52	CORRIDOR	3088A CORRIDOR	2-AHU4	B	225	[110]	225	[110]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	
2-TU-4-53	CORRIDOR	CORRIDOR	2-AHU4	B	175	[83]	175	[83]	NONE	CAV	5 DEGREE DEADBAND	1			N/A	

DUCTLESS SPLIT SYSTEM AIR CONDITIONER ELECTRIC SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	TOTAL SUPPLY AIR FLOW CFM	TOTAL SUPPLY AIR FLOW [L/s]	MIN. OUTSIDE AIR FLOW CFM	MIN. OUTSIDE AIR FLOW [L/s]	EXT STATIC PRESSURE IN	EXT STATIC PRESSURE [Pa]	COOLING CAPACITY MIN TOTAL CAPACITY MBH	MIN TOTAL CAPACITY [kW]	MIN SENS CAPACITY MBH	MIN SENS CAPACITY [kW]	MIN SEER	EAT Db °F	EAT Db [°C]	EAT Wb °F	EAT Wb [°C]	OSA DESIGN TEMP °F	OSA DESIGN TEMP [°C]	COMP Kw	GAS MIN. INPUT MBH	GAS MIN. INPUT [kW]	HEATING CAPACITY MIN. NET OUTPUT MBH	MIN. NET OUTPUT [kW]	EAT Db °F	EAT Db [°C]	LAT Db °F	LAT Db [°C]	AIR FILTER MARK NO	ELECTRICAL DATA INDOOR FAN MCA	INDOOR FAN [W]	INDOOR FAN ELEC	OUTDOOR UNIT FAN MCA	OUTDOOR UNIT FAN [W]	OUTDOOR UNIT FAN ELEC	REMARKS
2-CC1	CEILING MTD.	IT/ELEC 3172	CEILING CASSETTE	406	[190]	0	[ ]	0	[ ]	10.8	[37]	8.4	[3]	20	80	[27]	67	[19]	[95]	[35]	7.5	NA	#VALUE!	13.5	[4]	47	[8]	50	[10]	NA	0.13	[97]	208/60/1	0.13	[97]	208/60/1	COND. UNIT ON 5TH FLR ROOF
2-WMD1	WALL MTD.	IT 3161	DUCTLESS SPLIT	434	[200]	0	[ ]	0	[ ]	10.9	[37]	9.48	[3]	19	80		67		[95]	[35]	1.42	NA	#VALUE!	NA	#VALUE!	NA		NA		NA	0.28	[210]	208/60/1	0.18	[130]	208/60/1	COND. UNIT ON 3RD FLR ROOF
					[ ]		[ ]		[ ]		[ ]		[ ]										[ ]		[ ]						[ ]			[ ]		

RADIANT CEILING PANEL SCHEDULE (ELECTRIC)

MARK	ROOM LOCATION	AREA SERVED	PANEL SIZE IN	PANEL SIZE [mm]	CAPACITY BTUH	CAPACITY [W]	POWER SUPPLY AMPS	POWER SUPPLY PHASE	POWER SUPPLY VOLT	REMARKS
2-ERP-1	3013A,3015A,3017A,3019A,3086A	TLT	24 x 24	[610 x 610]	1280	[380]	3.2	1	120	---
						[ ]				

FINAL CONSTRUCTION DRAWINGS - FULLY SPRINKLERED

Revisions	Date
ADDENDUM A	8/08/18

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Drawing Title: MECHANICAL SCHEDULES

Approved: Project Director

Project Title: RENOVATE BUILDING 2 FOR MEDICAL SURGICAL MODERNIZATION

Location: W.G. HEFNER VAMC SALISBURY, NC

Date: MAY 1, 2018 **Checked:** HAS **Drawn:** GLR

Project Number: 659-17-101

Building Number: 2

Drawing Number: M601

Dwg. 13 of 17

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
C:\HEA\3059364\V10_DRAWING FILES\201 Design\V20 Autosave\659_17-101_002_M601.rvwg 8-08-18 09:12:56 AM Rwood