

CHILLED WATER COOLING COIL SCHEDULE																							
MARK	LOCATION	AREA AND/OR BLOS SERVED	SYSTEM AND/OR SERVICE	AIR FLOW [L/s]	MAX FACE VELOCITY FPM [m/s]	APD IN W/G [Pa]	EAT				LAT				TOTAL CAPACITY		SENSIBLE CAPACITY		CHILLED WATER				REMARKS
							DB		WB		DB		WB		MBH [kW]	MBH [kW]	FLOW GPM [L/s]	EWT		LWT		WPD [in]	
							°F	°C	°F	°C	°F	°C	°F	°C				°F	°C	°F	°C		
1-09CC-1	MACH ROOM	1ST FLOOR BUILDING 30	T-4AU S-WAB	13800 [6900]	400 [2]	0.73 [180]	75.1 [26]	65.7 [19]	53.8 [12]	53.4 [12]	508.3 [150]	377.3 [110]	112.6 [7]	42 [6]	52 [11]	16.6 [5]						.....	

THE COOLING COIL FIN SPACING SHALL NOT EXCEED 132 FINS PER FOOT (400 FINS PER METER).

STEAM HUMIDIFIER SCHEDULE																								
MARK	LOCATION	SYSTEM AND/OR SERVICE	HUMIDIFIER TYPE	AIR FLOW		# OF MANIFOLDS	EAT						LAT		STEAM				CONTROL TYPE	TRAP		REMARKS		
							DB		WB	DEWPOINT	DEWPOINT	SOURCE	PRESS ENT VALVE	PRESS ENT HEATER	FLOW	MARK	CAPACITY							
							°F	[°C]										°F		[°C]	°F		[°C]	°F
1-SH1	MECH ROOM	AHU 5-118	UNIT MOUNTED DISPERSION TUBE	13800	[6000]	3	96.8	[35]	70	[21]	55.86	[13]	59.11	[15]	STEAM	15	[100]	[ ]	72	[33]	PLANIM-900	75	[34]	1

NOTES:

1. PROVIDE WITH STAINLESS STEEL DRAIN PAN

FAN SCHEDULE																									
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW		TSP		FAN										MOTOR ELECTRICAL					CONTROL SEQUENCE	REMARKS	
				CFM	[L/s]	IN	[Pa]	TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION, AND DISCHARGE	DIAMETER		MIN % EFF	DRIVE	FAN MAX		NOMINAL POWER		PHASE	VOLT	RPM			SPEED CONTROL
												IN	[mm]			FAN MAX RPM	BHP	HP	[kW]						
5F-108	MECH ROOM	1ST FLOOR OF BUILDING 30	AMU 5-108	13800	[5500]	4.95	[1200]	DND	A <sub>2</sub>	II	Top horizontal front	22	[550]	93%	BELT	2442	19.2	29	[145]	3	460	1800	VARIABLE	PLAN M-600	1
6F-108	MECH ROOM	1ST FLOOR OF BUILDING 30	AMU 5-108	13800	[1700]	1.814	[450]	CENTRIFUGAL IN-LINE				48	[1200]	91.7%	BELT	560	7.5	7.5	[63]	3	460	1725	VARIABLE	PLAN M-600	1

**NOTE**

1. CONTROLLED WITH EXISTING VFD AND CONTROL PANEL LOCATED IN MECHANICAL ROOM


[illegible]

## NOTES


1. BASED ON AERO INDOOR AIR HANDLER UNIT SIZE 30
2. INSULATION R-13 DOUBLE WALL SEALED PANEL
3. CONTRACTOR SHALL PROVIDE MODULATED CONTOUR DIMENERS FOR COIL AND INLET OPENINGS OF MAKING BOX AND EXHAUST RELIEF ELCTOR
4. PROVIDE 8" X 16" GALV. STEEL DRAIN PANS FOR COOLING COIL AND HANDLER SECTIONS
5. PROVIDE 1/4" X 1/8" DOWNSTREAM OF THE COOLING COIL WITH SEPERATED 120° POWER CONNECTION (HAPS)

HOT WATER HEATING COIL SCHEDULE																			
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW CFM	MAX FACE VELOCITY FPM	APD INHG	TEMPERATURES					TOTAL MIN		HOT WATER			% GLYCOL	REMARKS	
							EAT °F	LAT °F	MCH °F	FLOW GPM	EWT °F	LWT °F	WPD °F						
1-HMC-1	MECH ROOM	1ST FLOOR BUILDING 5B	1-HM S/W	13800	460	0.13	33	56.8	132	56.6	361	200	33	160	171	6.4	193	40	...

[illegible]

	CONSULTANTS:	ARCHITECT/ENGINEERS:
ISSUED FOR CONSTRUCTION DOCUMENTS (FINAL BID)		 <b>STEPSTEIN</b> 600 West Fulton Street Chicago, Illinois 60661
ISSUED FOR BOX DESIGN SUBMITTAL	07/25/12	
ISSUED FOR BOX DESIGN DEVELOPMENT	06/19/12	
Issued for Box Design Development	04/20/12	
Date		
Revisions:		

[illegible]

Drawing Title <b>MECHANICAL EQUIPMENT SCHEDULES</b>	Project Title <b>REPLACEMENT OF AHU S-10B IN BUILDING 30</b>	Project Number <b>537-07-138</b>	Office of Construction and Facilities Management	
		Building Number <b>BUILDING 30</b>		
Approved Project Director	Location <b>820 S. DAMEN AVE. CHICAGO, IL 60612</b>	Drawing Number <b>30-M700</b>	 Department of Veterans Affairs	
	Date <b>07/26/2002</b>	Checked <b>YW</b>		Drawn <b>YW</b>
				Dwg. 07 of 09