

BASE BID EQUIPMENT COORDINATION SCHEDULE																			
TAG	DESCRIPTION	HP / KW	MCA RLA/FLA	VOLTS	CONDUCTORS			CONDUIT	LOCATION	PANEL	CIRCUIT	BREAKER SIZE	STARTER			DISCONNECT			NOTE
					PH	N	GND						TYPE	PROVIDED BY	INSTALLED BY	TYPE	PROVIDED BY	INSTALLED BY	
EXF-7-02A	EXISTING EF(INTERSTITIAL SPACE)	NA	NA	NA	NA	NA	NA	NA	B730.5	NA	NA	NA	VFD/D	MC	EC	VFD/D	MC	EC	1
GENERAL NOTES: A. COORDINATE INSTALLATION OF MOTORS WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS. B. CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. C. MCA=MINIMUM CIRCUIT AMPS; MOCP=MINIMUM OVER-CURRENT PROTECTION; RLA=RATED LOAD AMPS; FLA=FULL LOAD AMPS D. EC=ELECTRICAL CONTRACTOR; MC=MECHANICAL CONTRACTOR; INT=INTERGRAL TO UNIT; EQM=EQUIPMENT MANUFACTURER MOTOR SCHEDULE NOTES: 1. CONTRACTOR TO REMOVE EXISTING COMBINATION STARTER AND INSTALL NEW VFD. EXTEND CIRCUIT AS REQUIRED.																			

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE																
MARK	LOCATION	AREA AND/OR ROOM SERVED	SYSTEM AIR HANDLING	SIZE	AIR FLOW				ADDITIONAL SOUND ATTUNATION REQUIRED	CONTROL TYPE	CONTROL SEQUENCE	REHEAT			PERIMETER SUPPLEMENTAL HEAT LINK	REMARKS
					MAX		MIN					HW	ELEC	NONE		
					CFM	[L/s]	CFM	[L/s]								
SD7W-01	INTERSTITIAL SPACE	B710	AHU-72A	G	750	[350]	350	[170]	NONE	VAV	5 DEGREE DEADBAND	X			NONE	SEE HOT WATER COIL SCHEDULE FOR REHEAT COIL

HOT WATER HEATING COIL SCHEDULE																										
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	APPLICATION	AIR FLOW		MAX FACE VELOCITY		APD		TEMPERATURES				TOTAL MIN CAPACITY		HOT WATER						ROWS	REMARK S		
					CFM	[L/s]	FPM	[M/s]	IN WG	[Pa]	EAT		LAT		MBH	[kW]	FLOW		EWT		LWT				WPD	
											°F	[°C]	°F	[°C]			GPM	[L/s]	°F	[°C]	°F	[°C]			FT	[kPa]
SD7W-01	INTERSTITIAL SPACE	B710	AHU-72A	REHEAT	750	[290]	350	[2]	0.07	[13]	54	[13]	85	[29]	25.2	[69]	2.5	[]	140	[60]	120	[49]	0.5	[3]	2	1
NOTE																										
1. VAV REHEAT COIL INTEGRAL WITH UNIT.																										

AIR TERMINAL UNIT SIZING SCHEDULE																
SIZE	MIN ALLOWABLE AIR FLOW		MAX ALLOWABLE AIR FLOW		DUCT INLET SIZE		MAX APD		MAXIMUM SOUND POWER LEVEL (Re: 10 ⁻¹² WATTS)							REMARKS
							OCTAVE BANDS									
	CFM	[L/s]	CFM	[L/s]	IN	[mm]	IN WG	[Pa]	2	3	4	5	6	7		
F	270	[130]	750	[350]	9	[230]	0.4	[100]	71	69	60	54	51	47	----	
G	750	[350]	1050	[500]	10	[250]	0.4	[100]	74	68	61	57	54	52	----	
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 CONTROL DIAGRAM M.401.																

AIR DEVICE SCHEDULE (SUPPLY)							
MARK	TYPE	MOUNTING	PANEL/FRAME SIZE		DAMPER	FINISH	REMARKS
			IN x IN	[mm x mm]			
CD-1	LOUVERED FACE	CEILING	24 x 24	[600 x 600]	NONE	WHITE	----
CD-2	LOUVERED FACE	CEILING	12 x 12	[300 x 300]	NONE	WHITE	-----
NOTES 1. SEE FLOOR PLAN FOR THROW PATTERN. 2. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER. 3. SEE PLAN FOR NECK SIZE							

AIR DEVICE SCHEDULE (RETURN)									
MARK	TYPE	MAX APD		MOUNTING	PANEL/FRAME SIZE		NC	DAMPER	REMARKS
		IN WG	[Pa]		IN x IN	[mm x mm]			
EG-1	EGG-CRATE	0.088	22,000	CEILING	24 x 24	[600 x 600]	13	NONE	SEE PLAN FOR DUCT SIZE
EG-2	EGG-CRATE	0.088	22,000	CEILING	12 x 12	[300 x 300]	13	NONE	SEE PLAN FOR DUCT SIZE
NOTE PROVIDE SQUARE TO ROUND ADAPTER.									

EXISTING FAN SCHEDULE																									
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW		TSP		FAN								MOTOR ELECTRICAL							CONTROL SEQUENCE	REMARKS	
								TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION, AND DISCHARGE	DIAMETER		MIN % EFF	DRIVE	FAN MAX RPM	NOMINAL POWER			PHASE	VOLT	RPM			SPEED CONTROL
				CFM	[L/s]	IN	[Pa]					IN	[mm]				BHP	HP	[kW]						
EXF-7-2A	ROOF	BONE MARROW	AHU-72A	12,595	[5900]	1.75	[440]	UTILITY	FC	II	CLOCKWISE	16	[400]	65%	BELT	1,725	4.95	5.00	[4]	3	460	3515	SINGLE SPEED	ON/OFF	1
NOTE: 1. PROVIDE NEW VFD FOR BALANCING OF EXISTING EXHAUST FAN EXF-7-2A. INSTALLED BY ELECTRICAL CONTRACTOR.																									

AIR BALANCE SCHEDULE (CONSTANT VOLUME SYSTEMS)																												
Room Number	Room Name	Room Area (ft²)	Ceiling Height (ft)	Number of Occupants	Source (Unit No.)	Code Requirements				Design										Return		Exhaust		Transfer		Notes		
						Outdoor (CFM per Person)	(Air Changes per Hour)	Supply (Air Changes per Hour)	Exhaust (Air Changes per Hour)	Supply		Minimum		Maximum		Minimum		Maximum		Maximum		Exhaust (CFM)	(Air Changes per Hour)	In (CFM)	Out (CFM)			
										(CFM)	(Air Changes per Hour)	(CFM)	(Air Changes per Hour)	(CFM)	(CFM per Person)	(Air Changes per Hour)	(CFM)	(CFM per Person)	(Air Changes per Hour)	(CFM)	(Air Changes per Hour)							
SLEEP LAB																												
B710	CONTROL ROOM/STORAGE	263	9	0	1	-	-	2	4	-	750	18.2	750	18.2	750	-	18.2	750	-	18.2	0	0.0	750	18.2	0	0	-	
Zone Totals:																												
B712	PATIENT ROOM 6	132	9	2	2	-	-	2	6	-	160	7.7	160	7.7	160	80	7.7	160	80	7.7	0	0.0	85	4.1	0	75	-	
B712.1	RESTROOM	48	9	0	2	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B709	PATIENT ROOM 4	133	9	2	3	-	-	2	6	-	125	6.0	125	6.0	125	63	6.0	125	63	6.0	0	0.0	50	2.4	0	75	-	
B709.1	RESTROOM	45	9	0	3	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.6	75	0	-	
Zone Totals:																												
B713	PATIENT ROOM 7	138	9	2	4	-	-	2	6	-	325	15.0	325	15.0	325	163	15.0	325	163	15.0	0	0.0	235	10.9	0	90	-	
B713.1	RESTROOM	55	9	0	4	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	90	10.4	90	0	-	
Zone Totals:																												
B711	PATIENT ROOM 5	141	9	2	5	-	-	2	6	-	135	6.1	135	6.1	135	68	6.1	135	68	6.1	0	0.0	60	2.7	0	75	-	
B711.1	RESTROOM	48	9	0	5	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B714	PATIENT ROOM 8	165	9	2	7	-	-	2	6	-	340	13.2	340	13.2	340	170	13.2	340	170	13.2	0	0.0	265	10.3	0	75	-	
B714.1	RESTROOM	47	9	0	7	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.2	75	0	-	
Zone Totals:																												
B706	PATIENT ROOM 1	138	9	2	25	-	-	2	6	-	130	6.0	130	6.0	130	65	6.0	130	65	6.0	0	0.0	55	2.5	0	75	-	
B706.1	RESTROOM	48	9	0	25	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B703	WAITING AREA/RECEPTION STORAGE	199	9	3	27	-	-	2	-	6	135	4.3	135	4.3	135	45	4.3	135	45	4.3	0	0.0	225	7.2	90	0	-	
B703.1	STORAGE	61	9	0	27	-	-	-	-	-	40	4.2	40	4.2	40	-	4.2	40	-	4.2	0	0.0	0	0.0	40	0	-	
Zone Totals:																												
B708	PATIENT ROOM 3	148	9	2	37	-	-	2	6	-	205	8.9	205	8.9	205	103	8.9	205	103	8.9	0	0.0	95	4.1	0	110	-	
B708.1	RESTROOM	69	9	0	37	-	-	-	-	0	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	110	10.1	110	0	-	
Zone Totals:																												
B707	PATIENT ROOM 2	142	9	2	38	-	-	2	6	-	255	11.5	255	11.5	255	128	11.5	255	128	11.5	0	0.0	140	6.3	0	115	-	
B707.1	RESTROOM	71	9	0	38	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	115	10.4	115	0	-	
Zone Totals:																												
B700	OFFICE	94	9	1	39	-	-	2	4	-	115	7.8	115	7.8	115	115	7.8	115	115	7.8	0	0.0	115	7.8	0	0	-	
Zone Totals:																												
BONE MARROW																												
B701.28	CONFERENCE RM	321	9	4	58	-	-	2	4	-	600	11.9	600	11.9	600	150	11.9	600	150	11.9	0	0.0	600	11.9	0	0	-	
Zone Totals:																												
B705	OFFICE	136	9	1	59	-	-	2	4	-	145	6.8	145	6.8	145	145	6.8	145	145	6.8	0	0.0	145	6.8	0	0	-	
Zone Totals:																												
B701.28	PHYSICIANS ASSISTANT	142	9	1	60	-	-	2	4	-	145	6.5	145	6.5	145	145	6.5	145	145	6.5	0	0.0	145	6.5	0	0	-	
Zone Totals:																												
B701.24	PATIENT RM	142	9	2	61	-	-	2	6	-	325	14.6	325	14.6	325	163	14.6	325	163	14.6	0	0.0	190	8.5	0	135	-	
Zone Totals:																												
B701	BMT CORRIDOR - WEST	822	9	0	62	-	-	2	4	-	290	2.3	290	2.3	290	-	2.3	290	-	2.3	0	0.0	260	2.0	290	320	-	
B701.26	HAC	36	9	0	62	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	60	10.6	60	0	-	
B701.29	DIRTY UTILITY	73	14	0	62	-	-	-	-	6	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	100	6.0	100	0	-	
Zone Totals:																												
B701.5	OFFICE	96	9	1	63	-	-	2	4	-	250	8.0	250	8.0	250	120	8.0	250	120	8.0	0	0.0	120	8.0	0	0	-	
Zone Totals:																												
B701.18	SOCIAL WORKER OFFICE	102	9	1	64	-	-	2	4	-	120	7.5	120	7.5	120	7.5	120	120	7.5	120	7.5	0	0.0	120	7.5	0	0	-
Zone Totals:																												
B701.15	NURSE MANAGER OFFICE	111	9	1	65	-	-	2	4	-	125	7.2	125	7.2	125	125	7.2	125	125	7.2	0	0.0	125	7.2	0	0	-	
Zone Totals:																												
B701	NURSE STATION	195	9	2	66	-	-	2	6	-	205	6.7	205	6.7	205	103	6.7	205	103	6.7	0	0.0	0	0.0	0	205	-	
B701.14	MEDICATION RM	77	9	1	66	-	-	2	6	-	105	8.7	105	8.7	105	105	8.7	105	105	8.7	0	0.0	105	8.7	0	0	-	
Zone Totals:																												
B701.25	RESTROOM	61	9	0	67	-	-	-	-	10	60	6.3	60	6.3	60	-	6.3	60	-	6.3	0	0.0	120	12.6	60	0	-	
Zone Totals:																												
B701.21	PATIENT RM	144	9	2	68	-	-	2	6	-	235	10.4	235	10.4	235	118	10.4	235	118	10.4	0	0.0	85	3.8	0	150	-	
B701.22	RESTROOM	48	9	0	68	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B701.23	CLEAN UTILITY	123	9	0	69	-	-	-	4	-	120	6.2	120	6.2	120	-	6.2	120	-	6.2	0	0.0	100	5.2	0	20	-	
Zone Totals:																												
B701.12	PATIENT RM	144	9	2	70	-	-	2	6	-	235	10.4	235	10.4	235	118	10.4	235	118	10.4	0	0.0	85	3.8	0	150	-	
B701.13	RESTROOM	48	9	0	70	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B701.16	PATIENT RM	144	9	2	71	-	-	2	6	-	235	10.4	235	10.4	235	118	10.4	235	118	10.4	0	0.0	85	3.8	0	150	-	
B701.17	RESTROOM	48	9	0	71	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B701.19	PATIENT RM	144	9	2	72	-	-	2	6	-	235	10.4	235	10.4	235	118	10.4	235	118	10.4	0	0.0	85	3.8	0	150	-	
B701.20	RESTROOM	48	9	0	72	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B701.8	PATIENT RM	144	9	2	73	-	-	2	6	-	235	10.4	235	10.4	235	118	10.4	235	118	10.4	0	0.0	160	7.1	0	75	-	
B701.9	RESTROOM	48	9	0	73	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B701.10	PATIENT RM	144	9	2	74	-	-	2	6	-	235	10.4	235	10.4	235	118	10.4	235	118	10.4	0	0.0	85	3.8	0	150	-	
B701.11	RESTROOM	48	9	0	74	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	75	10.0	75	0	-	
Zone Totals:																												
B701.1	WAITING RM	163	9	1	78	-	-	2	-	6	125	4.9	125	4.9	125	125	4.9	125	125	4.9	0	0.0	225	8.8	100	0	-	
Zone Totals:																												
B701.4	PHARMACY WORKRM	147	9	1	79	-	-	2	4	-	205	8.9	205	8.9	205	205	8.9	205	205	8.9	0	0.0	205	8.9	0	0	-	
C701.2	MENS LOCKER	60	9	0	79	-	-	-	-	6	50	5.3	50	5.3	50	-	5.3	50	-	5.3	0	0.0	110	11.7	60	0	-	
C701.3	WOMENS LOCKER	93	9	0	79	-	-	-	-	6	50	5.4	50	5.4	50	-	5.4	50	-	5.4	0	0.0	140	9.6	90	0	-	
Zone Totals:																												
C701	OFFICE	107	9	1	80	-	-	2	4	-	120	7.2	120	7.2	120	120	7.2	120	120	7.2	0	0.0	120	7.2	0	0	-	
C702.1	ADMIN OFFICE	102	9	1	80	-	-	2	4	-	125	7.8	125	7.8	125	125	7.8	125	125	7.8	0	0.0	125	7.8	0	0	-	
Zone Totals:																												
E706	METABOLIC KITCHEN	396	9	1	81	-	-	-	-	-	735	11.9	735	11.9	735	735	11.9	735	735	11.9	0	0.0	735	11.9	0	0	-	
Zone Totals:																												
B701	BMT CORRIDOR - EAST	822	9	0	82	-	-	2	4	-	290	2.3	290	2.3	290	-	2.3	290	-	2.3	0	0.0	260	2.0	420	450	-	
B701.5	STAFF RESTROOM	28	9	0	82	-	-	-	-	10	0	0.0	0	0.0	0	-	0.0	0	-	0.0	0	0.0	50	11.4	50	0	-	
Zone Totals:																												
B701.6	PATIENT RM	142	9	2	83	-	-	2	6	-	235	10.6	235	10.6	235	118	10.6	235	118	10.6	0	0.0	210	8.4	50	75	-	
Zone Totals:																												
C706	ADMIN OFFICE	162	9	1	84	-	-	2	4	-	155	6.1	155	6.1	155	155	6.1	155	155	6.1	0	0.0	155	6.1	0	0	-</	