

AIR HANDLER HEATING WATER COIL SCHEDULE																		
EQUIP NO	AHU SERVED	CFM	NO OF COILS	COIL SIZE (SQ. FT)	ROWS	FINS/IN	AIR DATA				WATER DATA				TMBH	MANUFACTURER	MODEL NO	NOTES
							EAT (F)	LAT (F)	FACE VEL (FPM)	AIR PD (IN)	ENT (F)	LVG (F)	GPM	WATER PD (FT)				
HC-01	AHU-01	15,500	1	21.1	2	13	40.0	66.1	746	0.60	125.0	104.2	42.01	11.59	436.3	MCQUAY	HMW13AS53.660.020.50	1
NOTE 1: INTEGRAL FACE & BYPASS HOT WATER COIL.																		

AIR HANDLER CHILLED WATER COIL SCHEDULE																				
EQUIP NO	AHU SERVED	CFM	NO OF COILS	COIL SIZE (SQ. FT)	ROWS	FINS/IN	AIR DATA				WATER DATA				SMBH	TMBH	MANUFACTURER	MODEL NO	NOTES	
							ENTERING AIR		LEAVING AIR		AIR PD (FT)	ENT (F)	LVG (F)	GPM						WATER PD (FT)
							DB (F)	WB (F)	DB (F)	WB (F)										
CC-01	AHU-01	15,500	2	35.63	6	10	80.0	67.0	51.7	51.2	0.60	42.0	54.2	120.5	18.0	480.1	734.5	MCQUAY	5WL1006B	20% GLYCOL

AIR HANDLER HUMIDIFIER SCHEDULE									
EQUIP. NO.	AHU SERVED	CFM	TYPE	MOUNT	LOAD LBS/HR	STEAM INLET PRESSURE (PSI)	MANUFACTURER	MECH. NOTES	
H-01	AHU-01	15,500	STEAM INJECTION	IN UNIT	150	15	NORTEC	-	

AIR HANDLER AIR BLENDER SCHEDULE								
EQUIP. NO.	CFM	QUANTITY	AIR PRESSURE DROP (IN)	VELOCITY (FPM)	MANUF.	MODEL	MECH. NOTES	
BL-01	15,500	3	0.11	876	BLENDER PRODUCTS	IV	-	

AIR HANDLER AIR FILTER SCHEDULE							
EQUIP NO	TYPE	SIZE PER MODULE (# - H"xL"xD")	MERV	AIR PD @ 50% LOADING	MANUFACT.	MODEL NO	NOTES
F-01	PLEATED	3-20x24x2 15-20x20x2	8	0.64"	-	-	PRE-FILTER
F-02	VARICEL SH CARTRIDGE	8 - 24x24x12 4 - 12x24x12	14	0.82"	-	-	FILTER

VARIABLE AIR VOLUME BOX SCHEDULE																
EQUIP. NO.	PRIMARY CFM			MAX APO (IN W.G.)	NECK SIZE	HEATING COIL								MANUF.	MODEL	MECH. NOTES
	CFM MAX	CFM MIN	CFM HEATING			MBH	EAT (F)	LAT (F)	GPM	EWT (F)	LWT (F)	MAX WPD (FT)	COIL ROWS			
VAV-101	380	270	270	0.5	6	11.7	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-102	275	270	270	0.5	6	11.8	55	95	1.6	120	100	1.0	4	TITUS	DESV	1
VAV-103	210	205	205	0.5	6	9.9	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-104	385	225	225	0.5	6	6.8	55	85	1.0	120	100	1.0	2	TITUS	DESV	1
VAV-105	350	210	210	0.5	6	8.6	55	95	1.2	120	100	1.0	3	TITUS	DESV	1
VAV-106	210	210	210	0.5	6	8.6	55	95	1.2	120	100	1.0	3	TITUS	DESV	1
VAV-107	210	205	205	0.5	6	8.5	55	95	1.1	120	100	1.0	3	TITUS	DESV	1
VAV-108	285	285	285	0.5	6	12.3	55	95	1.6	120	100	1.0	4	TITUS	DESV	1
VAV-109	455	230	230	0.5	8	10.1	55	95	1.5	120	100	1.0	3	TITUS	DESV	1
VAV-110	540	540	540	0.5	8	20.8	55	95	2.8	120	100	1.3	4	TITUS	DESV	1
VAV-111	370	265	265	0.5	6	11.6	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-112	350	270	270	0.5	6	11.8	55	95	1.6	120	100	1.0	4	TITUS	DESV	1
VAV-113	840	420	420	0.5	10	17.0	55	85	2.3	120	100	1.0	3	TITUS	DESV	1
VAV-114	605	305	305	0.5	8	11.8	55	85	1.5	120	100	1.0	3	TITUS	DESV	1
VAV-115	725	365	365	0.5	10	11.7	55	85	1.5	120	100	1.0	2	TITUS	DESV	1
VAV-116	120	65	65	0.5	5	2.3	55	85	0.5	120	100	1.0	1	TITUS	DESV	1
VAV-117	265	265	265	0.5	6	9.4	55	85	1.0	120	100	1.0	3	TITUS	DESV	1
VAV-118	450	450	450	0.5	8	14.3	55	85	1.5	120	100	1.0	3	TITUS	DESV	1
VAV-119	315	160	160	0.5	6	5.7	55	85	1.0	120	100	1.0	2	TITUS	DESV	1
VAV-120	410	410	410	0.5	8	13.7	55	85	1.5	120	100	1.0	3	TITUS	DESV	1
VAV-121	280	140	140	0.5	6	5.3	55	85	1.0	120	100	1.0	2	TITUS	DESV	1
VAV-122	490	270	270	0.5	8	11.1	55	95	1.5	120	100	1.0	3	TITUS	DESV	1
VAV-123	385	210	210	0.5	6	10.1	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-124	340	205	205	0.5	6	6.5	55	85	1.0	120	100	1.0	2	TITUS	DESV	1
VAV-125	145	80	80	0.5	6	3.8	55	85	1.0	120	100	1.0	1	TITUS	DESV	1
VAV-126	310	240	240	0.5	6	10.9	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-127	285	205	205	0.5	6	9.9	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-128	255	205	205	0.5	6	9.9	55	95	1.5	120	100	1.0	4	TITUS	DESV	1
VAV-129	265	145	145	0.5	6	6.8	55	95	1.0	120	100	1.0	3	TITUS	DESV	1
VAV-130	340	185	185	0.5	6	7.8	55	95	1.0	120	100	1.0	3	TITUS	DESV	1
VAV-131	290	145	145	0.5	6	6.8	55	95	1.0	120	100	1.0	3	TITUS	DESV	1
VAV-132	560	0	-	0.5	8	-	55	55	-	-	-	-	-	TITUS	DESV	2
VAV-133	795	315	315	0.5	10	14.1	55	95	2.0	120	100	1.0	3	TITUS	DESV	1
VAV-134	110	65	65	0.5	5	2.3	55	85	0.5	120	100	1.0	1	TITUS	DESV	1
VAV-135	2545	1400	1400	0.5	16	73.2	55	95	9.7	120	100	3.9	4	TITUS	DESV	1
VAV-136	700	700	700	0.5	8	30.2	55	95	3.0	120	100	1.0	4	TITUS	DESV	1
VAV-137	730	0	-	0.5	10	-	55	55	-	-	-	-	-	TITUS	DESV	2

NOTE 1: SINGLE DUCT VAV WITH REHEAT.  
NOTE 2: SINGLE DUCT VAV WITHOUT REHEAT.

DIFFUSER, GRILLE, & REGISTER SCHEDULE								
EQUIP. LETTER	SERVICE	MOUNTING TYPE	DESCRIPTION	ACCESSORIES	FINISH	MANUF.	MODEL NO.	MECH. NOTES
A	SUPPLY	SURFACE / LAY-IN	24x24 SQUARE CEILING DIFFUSER	-	WHITE	TITUS	TMS	-
B	SUPPLY	SURFACE / LAY-IN	3/4" BLADE SPACING GRILLE	-	WHITE	TITUS	301RL	-
C	RETURN / EXHAUST	SURFACE / LAY-IN	3/4" BLADE SPACING GRILLE	-	WHITE	TITUS	350RL	3
D	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	-
E	SUPPLY	SURFACE / LAY-IN	1", 2 SLOT, LINEAR DIFFUSER	-	WHITE	TITUS	ML-39	1, 2
F	SUPPLY	SURFACE / LAY-IN	LOUVERED CORE, LATTICE FACE	-	WHITE	TITUS	SG-TDC	1
G	RETURN / EXHAUST	SURFACE / LAY-IN	ALUMINUM FIXED BAR GRILLE	-	WHITE	TITUS	SG-1500FL	1
H	SUPPLY	SURFACE / LAY-IN	1-WAY LOUVERED FACE CEILING DIFFUSER	-	WHITE	PRICE	MSRRCD	1
I	RETURN / EXHAUST	SURFACE / LAY-IN	PERFORATED FACE GRILLE	-	WHITE	TITUS	SG-SD	1
J	SUPPLY	SURFACE / LAY-IN	4-WAY LOUVERED FACE CEILING DIFFUSER	-	WHITE	PRICE	MSRRCD	1

NOTE 1: REFER TO NECK SIZE SCHEDULE.  
NOTE 2: PROVIDE INSULATED PLENUM EQUAL TO TITUS MP-39.  
NOTE 3: PROVIDE BORDER TYPE 3 WITH PANEL WHEN GRILLE IS MOUNTED IN LAY-IN CEILING. REFER TO ARCHITECTURAL PLANS FOR PANEL SIZE REQUIRED.

TYPE "G" & "I" GRILLE TAKE-OFF SIZE SCHEDULE		
DIAMETER (IN)	CFM	NOTES
6	0 - 100	UNLESS NOTED OTHERWISE ON PLAN
8	101 - 200	UNLESS NOTED OTHERWISE ON PLAN
10	201 - 400	UNLESS NOTED OTHERWISE ON PLAN
12	401 - 600	UNLESS NOTED OTHERWISE ON PLAN
14	601 - 900	UNLESS NOTED OTHERWISE ON PLAN

TYPE "C" EGGCRATE TAKE-OFF SIZE SCHEDULE		
DIAMETER (IN)	CFM	NOTES
6	0 - 100	UNLESS NOTED OTHERWISE ON PLAN
8	101 - 200	UNLESS NOTED OTHERWISE ON PLAN
10	201 - 380	UNLESS NOTED OTHERWISE ON PLAN
12	381 - 600	UNLESS NOTED OTHERWISE ON PLAN
14	601 - 900	UNLESS NOTED OTHERWISE ON PLAN

TYPE "E", "F", "H", & "J" DIFFUSER TAKE-OFF SIZE SCHEDULE		
DIAMETER (IN)	CFM	NOTES
6	0 - 100	UNLESS NOTED OTHERWISE ON PLAN
8	101 - 200	UNLESS NOTED OTHERWISE ON PLAN
10	201 - 400	UNLESS NOTED OTHERWISE ON PLAN
12	401 - 600	UNLESS NOTED OTHERWISE ON PLAN

BUFFER TANK SCHEDULE								
EQUIP. NO.	SERVICE	CAPACITY (GALLONS)	CONNECTION DIA (IN)	CONNECTION TYPE	INSULATION THICKNESS (IN)	MANUF.	MODEL NO.	MECH. NOTES
BT-01	CWR	680	5	FLANGE	1-1/2	CEMLINE	V680CWB5-F-C-15-I	-

AIR SEPARATOR SCHEDULE						
EQUIP. NO.	SERVICE	GPM	WATER CONN SIZE (IN)	MANUF.	MODEL NO.	MECH. NOTES
AS-01	HWS	90 (180 FUTURE)	4	BELL & GOSSETT	RL-4F	-
AS-02	CWS	200 (400 FUTURE)	5	BELL & GOSSETT	RL-5F	-
AS-03	SWS	300 (600 FUTURE)	6	BELL & GOSSETT	RL-6F	-
AS-04	HWS	150 (260 FUTURE)	5	BELL & GOSSETT	RL-5F	-

EXPANSION TANK SCHEDULE								
EQUIP. NO.	SERVICE	TANK VOLUME (GALLONS)	PRECHARGE PRESSURE	MAX. TANK PRESSURE	ACCEPTANCE VOLUME	MANUF.	MODEL NO.	MECH. NOTES
ET-01	HWS	53	12	90	53	BELL & GOSSETT	B-200	-
ET-02	CWS	21.7	12	90	11.3	BELL & GOSSETT	D-40V	-
ET-03	SWS	80	12	90	80	BELL & GOSSETT	B-300	-
ET-04	HWS	53	12	90	53	BELL & GOSSETT	B-200	-

SHELL & TUBE STEAM TO WATER HEAT EXCHANGER SCHEDULE											
EQUIP. LETTER	SERVICE	TUBE DATA					SHELL DATA		MANUF	MODEL NO	MECHANICAL NOTES
		EWTF (F)	LWTF (F)	GPM	NUMBER OF PASSES	MAX. WATER PD (FT)	COND RATE (LBS/HR)	INLET STM PRESS (LBS)			
HX-01	HEATING WATER	160	180	260	2	1	3020	10	B & G	SU143-2	X
HX-02	HEATING WATER	-	-	-	-	-	-	-	-	-	1
NOTE 1: FUTURE HEAT EXCHANGER.											

NOTE 1: FUTURE HEAT EXCHANGER.

FINNED TUBE RADIATION SCHEDULE												
EQUIP. LETTER	AVG. WATER TEMP (F)	BTU PER LIN FT.	ELEMENT					COVER GAUGE	NO. OF ROWS	MANUF.	MODEL NO.	MECH. NOTES
			PIPE MAT'L	PIPE SIZE	FIN SIZE	FINS FT.	FIN. MAT'L					
FTR-01	110	232	CU	1"	3-1/4"	32	AL	NA	1	STERLING	1C - 3-1/4 x3-1/4 - 32	1, 2, 3
NOTE 1: PROVIDE ENCLOSURE EQUAL TO RITLING MODEL S - DSPS WITH 1/16" PERFORATION FOR ALL FINNED TUBE RADIATION. NOTE 2: ALL ENCLOSURE FASTENERS SHALL BE TAMPER PROOF. NOTE 3: PROVIDE TRIM PIECES, END CAPS, AND ALL NECESSARY ACCESSORIES REQUIRED FOR COMPLETE ENCLOSURE INSTALLATION.												