_				OFFE ANITABLES THEOLIGINA DOMESTO VA	V ACILINA CHODIV DICCHOCO		1	1						4
		CSD-4	ACUTHERM THERMA-	SELF-CONTAINED THERMALLY POWERED VA AUTOMATIC CHANGEOVER.	V CEILING SUPPLY DIFFUSER	FCU-6	BCHB-018	600	0.55"	180	0.315	18.41	15.32	78
-			FUSER TF-HC			FCU-7	BCHB-054	1800	0.90"	450	0.667	51.75	45.08	77
R		CRG-1/	PAR	PERFORATED PLATE CEILING RETURN/EXHAI FOR LAY—IN CEILING AND BORDER TYPE 1	UST REGISTER WITH BORDER TYPE 3	FCU-8	BCHB-036	1200	1.00"	300	0.533	27.29	27.29	77
11		CEG-1/ CER-1/		FOR LAY—IN CEILING AND BORDER TYPE 1	FOR GYP. BOARD. OMIT OBD AT GRILLE.	FCU-9	BCHB-018	600	0.75"	200	0.370	20.81	18.02	82
Q		WSR-1/ WSG-1 WSG-2/ WRG-2	300 RS SERIES 1700	DOUBLE DEFLECTION BAR FACED WALL SUF AND BACK BLADES. FRONT BLADES TO BE REVERSIBLE CORE/NARROW BLADE WALL S FRONT BLADES AND VERTICAL MODEL 07 OMIT OBD AT GRILLE.	VERTICAL. OMIT OBD AT GRILLE.	(2)	EXTERNAL STA COOLING COIL HEAT. FLOW I CHILLED WATE	. CAPACITIES RATES INCLU	DO NOT DE THIS	INCLUDE CAPACITY.	ADDITIONAL	. CAPACIT	Y FOR FAN	M
N		WRR-1/ WRG-1	350 RL	SINGLE DEFLECTION BAR FACED WALL RETU HORIZONTAL FRONT BLADES. OMIT OBD AT	urn register with 45° fixed Grille.	(5) (6)	HEATING HOT SIZES GIVEN ALL UNITS SH SPECIFICATION	FOR LINED I	PLENUMS OVIDED WI	ARE NET	CLEAR OF CONTROLS	1" AL.		D.
***		WRR-2	SERIES 1700	SAME AS WSR-2 EXEPT WITHOUT ADJUSTA	BLE BACK BLADES.									
	AMPLICATION CONTRACTOR	CER-2/	350 RL	SINGLE DEFLECTION BAR FACED CEILING E FIXED BLADES. OMIT OBD AT GRILLE.	XHAUST/RETUREN REGISTER WITH 45°		V			_ BO	X SCHE	EDUL	E	
M		CEG-2/ CRR-2/		FIXED BLADES. OMIT OBD AT GRILLE.			M SETTING AX. MIN. (II	DUCT CON	IECTION DUTLET NCHES)	AREA	SERVED		REMARKS	
***	ł	CRG-2			·		00 0	140	-	BY - F	PASS DAMPER		(2)	
		NOTES: (	· /	DINATE FRAME TYPES WITH ACTUAL CEILING		WT 7-1 65	50 150	10ø		CLASS/	LAB WEST	13		National State of the State of
L		(:	2) U.O.N	ECTED CEILING PLANS — VERIFY WITH GENER I. ALL AIR OUTLETS TO BE STEEL CONSTRUC	TION WITH OFF-WHITE FINISH.	WT 7-2 82	25 250	12ø	***	<u> </u>	LAB 40 EAST			11000000000000000000000000000000000000
		(;		NOR OF PERFORATED PLATE MODELS TO BE OUTLETS FOR LAY—IN TYPE CEILING SHALL B	·	WT 7-3 30		14¢	- TITLE W		S6, MEN'S 35		(5)	,
			- /	- CONTRACTOR TO SECURE TO ROOF JOINT			IT TERMINAL BO CTUATOR AND O BE SEIBE.	BALANCE OF	CONTROL	LS. ACTUA	ATOR AND RI	EMAINING	CONTROLS	
K			MIS	SCELLANEOUS EQUIPMEI	NT SCHEDULE	` C	Y—PASS DAMPER ONTRACTOR TO F ROVIDE POWER T	ROVIDE LOW V	OLTAGE CO	ntrols tr/	ansformer(s)	OR EACH.	CONTROLS ASS BOX TO	
<b></b>		GIH A,B,C		K "FABRAHOOD" GRAVITY INTAKE HOOD WITH TAPERED '2" MESH BIRD SCREEN, BDD AND MIN. 12" HIGH RO ID NO CANT. NECK SIZES: GIH—A; 12X24, GIH—B; 12 bs. SEE DTL 2/M2.2 FOR ANCHORAGE.		(3) IN	LET DUCT SIZE ZE LARGER (BUT ROVIDE ADDITION/	TO BE EQUAL NOT LARGER	TO BOX INL THAN OUTL	ET CONNEC	CTION SIZE IF	4'-0" OR IF LONGE	shorter — ( r than 4'—0"	ONE
J		GRH A,B,C		BS. SEE DTL 2/M2.2 FOR ANCHORAGE.  K "FABRAHOOD" GRAVITY RELIEF HOOD WITH TAPERED /2" MESH BIRD SCREEN, BDD AND MIN. 12" HIGH RO ID NO CANT. NECK SIZES: GRH—A; 14X24, GRH—B; 1 bs. SEE DTL 2/M2.2 FOR ANCHORAGE.		(5) Pi	ROVIDE DUCT TRA HOWN ON PLAN. ROVIDE ROOM TE	MPERATURE SI	ENSOR WITH	BLANK CO	OVER (NO OVER	rride butt	TON, TEMP.	
- Н		(HX)	•	OSSETT MODEL P15-21-TLA PLATE AND FRAME HEAT PACITY WITH 24.0 GPM OF 180° EWT/150° LWT © 2.1 NG SOURCE SIDE AND 21.0 GPM OF 170.2° LWT/136. DROP ON BUILDING SIDE. PROVIDE WITH 2° CONNEC 7/M2.1 FOR ANCHORAGE.		Al Al	JUSTMENT KNOE ERIFY WITH CAMP	OR READ OU	T). ALL 01	THERS TO H	HAVE CAMPUS	STANDARD	ACCESSORIES	
_		(DSS)	CARRIER 1 40QNE NO HEATING/2 208/230	DUCTLESS SPLIT SYSTEM HEAT PUMP "HIGH WALL" INI DMINAL 2 TON — 23,200 BTUH TOTAL COOLING/10.4 2.90 COP AT ARI CONDITIONS. 0.53 FLA FAN, 0.66 VOLT —10 POWER. PROVIDE WITH MOUNTING BRACKI ER. 45 LBS OPERATING WEIGHT.	DOOR FAN COIL UNIT MODEL EER AND 21,400 BTUH TOTAL UNIT MCA AT									
G	3	OU DSS	NOMINAL 208/230 AND SIX	DUCTLESS SPLIT SYSTEM HEAT PUMP OUTDOOR CONDI 2 TON. 11.7 RLA/61.0 LRA COMPRESSOR, 0.70 FLA VOLT — 10 POWER. PROVIDE WITH LOW AMBIENT TE MBREX MODEL ICG-EQ 3/4" THICK NEOPRENE ISOLAT FOR THRU BOLTING. OPERATING WEIGHT: 175 LBS.	FAN, 15.3 TOTAL UNIT MCA AT MPERATURE CONTROLS. CRANKCASE HEATER									
SES\DRAWINGS\23018M02.DWG	<u></u>	DX FCU 1,2,3	ESP. PR MOTOR (3 AND NEOF PROVIDE A NEW DX I THAT THE UNITS AN	DEL TWE036C SPLIT-SYSTEM CONVERTIBLE DIRECT EXCIPITED WITH TXV (SHIPPED LOOSE), ONE 20"X20"X1"  3. FLA AT 208V-10 POWER), VIBREX MODEL RMXA-12  PRENE CUPS AND CONDENSATE DRAIN PAN WITH BOTH ADDITIONAL CONTROL COMPONENTS AND WIRING AS RIFTAN COIL UNITS WITH THEIR ASSOCIATED FOUR PIPE IN NEW DX FAN COIL UNITS BECOME AN ADDITIONAL STONEY DATE OF THE PROPERTY OF THE P	THICK TA FILTER, ONE 1/2 HP 3 SPEED FAN IC SPRING HANGERS WITH 1" DEFLECTION SPRINGS I PRIMARY AND SECONDARY CONNECTIONS. EQUIRED TO CONNECT THE CONTROLS FOR THE FAN COIL UNIT'S CURRENT DDC CONTROLLER SUCH TAGE OF COOLING FOR THE FOUR PIPE FAN COIL									
~		20										,		
PROGRAM CHAN		CU 1,2,3	WITH FOU WASHERS MCA/30	DEL 2TTR2030A 12.00 SEER 2-1/2 TON HIGH EFFICER VIBREX MODEL ICG-EQ 3/4" THICK NEOPRENE ISO FOR THRU BOLTING. 13.5 RLA/72.5 LRA COMPRESS MOCP AT 208V-10 POWER.	LATION PADS WITH BOLT HOLES AND NEOPRENE									
COLLEGE		EX.												m a
NDA COL			<u> </u>			I	·							
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000\2.										***				
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AIR OUTLET SCHEDULE

ACUTHERM SELF-CONTAINED THERMALLY POWERED VAV CEILING SUPPLY DIFFUSER AUTOMATIC CHANGEOVER.

PERFORATED PLATE CEILING SUPPLY DIFFUSER WITH ADJUSTABLE "STAR PATTERN" DEFLECTORS IN NECK AND BORDER TYPE 3 FOR LAY-IN CEILING.

LOUVER FACED CEILING SUPPLY DIFFUSER WITH TYPE 1 BORDER FOR SURFACE MOUNTING IN GYP BOARD CEILINGS WITH OR WITHOUT GLUED-ON ACOUSTICAL

LOUVER FACED CEILING SUPPLY DIFFUSER WITH DROPPED FACED TYPE 5 BORDER FOR SURFACE MOUNTING IN GYP BOARD CEILINGS WITH ADJACENT SURFACE

MODEL DESCRIPTION

TILE AND OBD.

MOUNTED LIGHT FIXTURES.

CODE

CSD-1

CSD-2 TDC

CSD-3 | TDC

MFR: TITUS (U.O.N.)

			SUPI	PLY FAN	DATA	COOLING COIL					HEATING COIL		ELE	ELECTRICAL FILTERS MII			MINIMUM ACOUSTICAL	WEIGHT	DE.4404					
CODE	MODEL	CFM	ESP (1)	MIN OA	ВНР	TOTAL MBH (2)	SEN MBH (2)		T °F	ROWS	GPM (2)(3)	мвн	EAT 'F	ROWS	GPM (4)	HP	VOLTS/ø	QTY.	SIZE IN.	TYPE	SUPPLY	RETURN	LBS.	REMARKS
FCU-1	BCHB-036	1200	0.75"	450	0.477	37.54	31.82	79.1	64.0	4	6.30	50.6	57.4	1 .	3.45	3/4	120/1	2	20X20	2" PM	16X14X 14'-0"	32X16X 8'-0"	275	(10) 19
FCU-2	BCHB-036	1200	0.75"	450	0.477	37.54	31.82	79.1	64.0	4	6.30	56.6	57.4	2	1.61	3/4	120/1	2	20X20	2" PM	16X14X 10'-0"	32X16X 8'-0"	275	(10)
FCU-3	BCHB-036	1000	0.75"	450	0.348	38.92	33.06	80.0	64.5	4	6.20	41.8	54.4	1	1.83	1/2	120/1	2	20X20	2" PM	14X14X 8'-0"	32X14X 11'-0"	275	(10)
FCU-4	BCHB-024	800 19	0.55"	225	0.304	23.81	20.31	78.1	63.5	19 4	5.40	44.0	63.2	2	2.14	1/2	120/1	2	12X24	2" PM	14X14X 8'-0"	20X14X 8'-0"	230	(10)
FCU-5	BCHB-024		0.65"	200	0.282	21.28	19.76	77.5	62.5	4	4.50	28.1	62.2	1	1.58	1/2	120/1	2	12X24	2" PM	14X14X 5'-0"	20X14X 8'-0"	230	(10)
FCU-6	BCHB-018	600	0.55"	180	0.315	18.41	15.32	78.3	63.5	4	5.00	24.8	62.4	1	4.41	1/2	120/1	2	12X24	2" PM	14X14X 6'-0"	12X12X 8'-0"	200	(10)
FCU-7	BCHB-054	1800	0.90"	450	0.667	51.75	45.08	77.8	63.5	4	12.60	53.3	62.2	1	1.75	3/4	120/1	4	16X20	2" PM	20X16X 12'-0"	32X14X 10'-0"	325	(10)
FCU-8	BCHB-036	1200	1.00"	300	0.533	27.29	27.29	77.8	63.0	4	3.61	31.0	62.2	1	0.84	3/4	120/1	2	20X20	2" PM	16X14X 8'-0"	32X16X 8'-0"	275	
FCU-9	BCHB-018	600	0.75"	200	0.370	20.81	18.02	82.3	64.5	4	5.97	26.0	46.0	1	2.19	1/2	120/1	2	12X24	2" PM	14X14X 6'-0"	12X12X 8'-0"	200	

NOTES: (1) EXTERNAL STATIC PRESSURES DO NOT INCLUDE HC, CC OR FILTER PRESSURE DROPS. (2) COOLING COIL CAPACITIES DO NOT INCLUDE ADDITIONAL CAPACITY FOR FAN MOTOR HEAT. FLOW RATES INCLUDE THIS CAPACITY.

- (3) CHILLED WATER FLOW RATES BASED ON 42'EWT AND MAXIMUM OF 10' PD.
- (4) HEATING HOT WATER FLOW RATES BASED ON 170'EWT AND MAXIMUM 10' PD. (5) SIZES GIVEN FOR LINED PLENUMS ARE NET CLEAR OF 1" AL.

- (7) ALL UNITS SHALL BE SHUT-DOWN FOR SMOKE FROM TOTAL-COVERAGE SMOKE DETECTION SYSTEM (CMC SECTION 605 EXCEPTION NO.1).
- (8) PROVIDE ALL UNITS WITH MANUFACTURER'S ECONOMIZER MIXING BOX WITH ANGLED FILTER TRACK AND VIBREX MODEL RMXA-1C SPRING HANGERS WITH 1" DEFLECTION SPRINGS AND NEOPRENE CUPS.
- (9) SEE DETAIL 5/M2.1 FOR SUPPORT, BRACING AND OTHER REQUIREMENTS. (10) RESIZE ASSOCIATED CHILLED WATER CONTROL VALVE AS REQUIRED TO PROVIDE A MAXIMUM PRESSURE DROP OF 10' (4.3 PSI).

				$\triangle$	C	MFR: 7	MFR: TRANG McQuny								
	TONE (1)			ELEC DATA 460V/3ø								EVA	EVAPORATOR		
CODE	TONS (1) REFRIG	MODEL	CON	APERES	SSOR	COND.	FAN	MCA	MFS	EAT °F	GPM	EWT *F	LWT *F	F	
		0015 000	QTY.	RLA (EA)	LRA (EA)	QTY.	FLA (EA)			90	50	51.8	42	6	
CH-1	20.0	CGAF-C20	2	17.2	117	2	1.8	44	60	] 90	13	31.0	12	(10'	

(2) SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. (3) SEE DETAIL 8/M2.1 FOR ANCHORAGE.

SR THRU-BOLT NEOPRENE VIBRATION PADS.

				PL	JMP S	CHED	JLE MFR: BI	ELL & GOSSETT			
CODE	GРМ ∕ј9∕у	TDH FT	TYPE & SIZE	внр И <b>э</b>	MOTOR HP	SERVICE	LOCATION	XOLTS/PH/HZ	OPER WT#	REMARKS	ß
P1	50.0	53	IN-LINE SERIES 80 1-1/2 X 1-1/2 X 9-1/2	1.4	2.0	CHILLED WATER	MECH. RM. 33	460/3/60	200		(2)(3)
P2 🔏	21.0	50	IN-LINE SERIES 80 1-1/2 X 1-1/2 X 7B	0.7	1.5	HEATING WATER	MECH. RM. 33	460/3/60	175		(2)(3)

NOTE: (1) PUMP SELECTION BASED ON 1750 RPM.

(2) PROVIDE WITH VIBREX MODEL RMXA-1C SPRING HANGERS WITH 1" DEFLECTION SPRINGS AND NEOPRENE CUPS.

(3) SEE DETAIL 6/M2.1 FOR SUPPORT AND BRACING.

EXPANSION TANK SCHEDULE MFR: WESSELS											
CODE	SYSTEM SERVED	MODEL & SIZE	DIMENSION DIA X HT		ACCEPTANCE VOL. GALS.		FINAL PRESS PSIG	OPER WT#	REMARKS		
ET-1	CHILLED WATER	NLA 35	12 x 25	10.0	10.0	15	45	130			
ET-2	HEATING WATER	NLA 35	12 x 25	10.0.	10.0	15	45	130			

(2) REPLACEABLE BLADDER TYPE.

(3) SEE DETAIL 1/M2 2 FOR ANCHORAGE

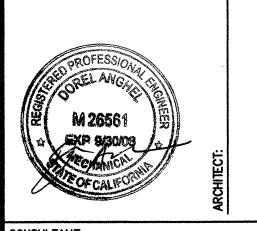
			EX	HAUS	T FAN	N SCH	EDULE MFR: GREENHECK	<b>&lt;</b>		
CODE	TYPE AND MODEL	FAN CFM	S.P. ("WC)	MOT BHP WATTS	OR (1) HP	SONES	SERVICE	CONTROL	OPER WT #	REMARKS
EF - 1	ROOFTOP CENT GB-90	300	0.50	0.09	1/4	7.0	ADM. RESTROOMS	(5) FCU-6	75	-
EF - 2	ROOFTOP CENT G-80-G	200	0.25	<0.032	1/30	<5.4	MEN'S TOILET 26	(5) FCU-2	50	(3)RELOCATED
EF - 3								~~~~~		REMOVED
EF - 4/20	ROOFTOP CENT G-90-G	350	0.25	<0.041	1/25	<5.5	CONF. RM. 17	WALL SWITCH	50	(3)
EF - 5										REMOVED
EF - 6	ROOFTOP CENT G-90-G	250	0.25	<0.041	1/25	<5.5	WOMEN'S TOILET 30	(5) FCU-1	50	(3)
EF - 7	ROOFTOP CENT G-85-G	300	0.25	0.035	1/30	5.2	CLASS/LAB RESTROOMS	(5) FCU-7	50	(3)
EF – 8R	ROOFTOP CENT GB-120	1200	0.25	0.13	1/4	8.3	OUTDOOR STORAGE 29	LINE VOLTAGE T'STAT	75	
	20	<u>a</u>	~~~~	<u>~~~</u>	~~~	~~~				
EF - 11		سسا			~~~~	<u> </u>		homes		REMOVED 19
EF - 12	ROOFTOP CENT G-75-G	150	0.25	<0.020	1/50	<3.6	CUSTODIAN 34	EMS	50	(3)
EF - 13	ROOFTOP CENT G-90-G	350	0.25	<0.041	1/25	<5.5	MECHANICAL 33	TSTAT.	50	(3)

(4) ALL FANS TO BE PROVIDED WITH MIN. 12" HIGH MANUFACTURER'S PREFAB CURB WITH WOOD NAILER AND LESS CANT. (1) ALL FANS TO BE 120V/1¢
(2) SEE DETAIL 2/M2.2 FOR ANCHORAGE. (3) DIRECT DRIVE FAN— PROVIDE MANUFACTURER'S SOLID STATE SPEED CONTROL (5) INTERLOCK WITH; (VIA EMS) TO BE MOUNTED INSIDE FAN MOTOR HOUSING)

20 05/20/03 CHANGE DA

EVISIONS: ( A BOICATES REVISIONS MADE TO THIS SHEET.)





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OPER WT #

AP FOULING FACTOR

(10, MAX) 0.00025 2091

CHILD DEVELOPMENT CENTER CANADA COLLEGE

APPROVED DIV. OF THE STATE ARCHITECT

AO AG FILS ED SS & APPL NO. 103529 DATE 6.16.03

APPL. NUMBER KEY PLAN:

SCHEDULES

CHECKED BY: