

NO.	ISSUES/REVISIONS	DATE
	100% SCHEMATIC DESIGN	04/28/08
	50% DESIGN DEVELOPMENT	06/13/08
	100% DESIGN DEVELOPMENT	07/28/08
	INCREMENT 2 80% REVIEW	10/10/08
	DSA INCREMENT 2	
	STRUCTURE & GFRG PANELS	11/11/08
	DSA INCREMENT #3 50% REVIEW	11/11/08
	DSA INCREMENT #3 80% REVIEW	12/18/08
	DSA INCREMENT #3	
	TENANT IMPROVEMENT AND ROOFING SYSTEM	02/09/09
	HVAC REVIEW	
	DSA INCREMENT #3 BACKCHECK	04/30/09
	ISSUED FOR CONSTRUCTION	05/12/09
	AS BUILTS	12/15/10

GRAVITY HOOD SCHEDULE

UNIT MARK	LOCATION	MFR	MODEL	OVERALL DIM. (LxWxH)	THROAT DIM.	CURB DIM.	CFM	PD	HOOD VELOCITY	WEIGHT	REMARKS
GH-1	ROOF	COOK	G1	108"x100"x31"	60"x60"	66"x66"x20"	24,500	.115	500	802	SERVES AHU-2, AHU-3 ALUMINUM FRAME, INTAKE BACKDRAFT DAMPER
GH-2	ROOF	COOK	G1	51"x52"x31"	28"x28"	32"x32"x20"	3,520	.041	300	214	SERVES CLASSROOM 4-201 NAIL LAB ALUMINUM, MOTORIZED DAMPER
GH-3	ROOF	COOK	G1	51"x52"x31"	14"x14"	18"x18"x20"	1,715	.047	300	128	SERVES CLASSROOM 4-201 NAIL LAB ALUMINUM, MOTORIZED DAMPER

1. FOR MOUNTING/ ANCHORAGE, SEE DETAIL 1 2

AIR OUTLET SCHEDULE

MARK	MFR	MODEL	FRAME	NECK SIZE	CFM	REMARKS
<input checked="" type="checkbox"/>	NAILOR	4320MR	L	6"	155	PATTERNED DEFLECTOR, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4320MR	L	8"	245	PATTERNED DEFLECTOR, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4320MR	L	10"	350	PATTERNED DEFLECTOR, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4320MR	L	12"	450	PATTERNED DEFLECTOR, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4340M	S	6"	170	PATTERNED DEFLECTOR, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340M	S	8"	290	PATTERNED DEFLECTOR, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340M	S	10"	415	PATTERNED DEFLECTOR, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340M	S	12"	550	PATTERNED DEFLECTOR, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340R	S	6"	165	RETURN AND/OR EXHAUST, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340R	S	8"	320	RETURN AND/OR EXHAUST, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340R	S	10"	450	RETURN AND/OR EXHAUST, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4340R	S	12"	650	RETURN AND/OR EXHAUST, APPLIANCE WHITE, SURFACE MOUNT
<input checked="" type="checkbox"/>	NAILOR	4360	L	6"	225	RETURN AND/OR EXHAUST, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4360	L	8"	350	RETURN AND/OR EXHAUST, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4360	L	10"	500	RETURN AND/OR EXHAUST, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4360	L	12"	700	RETURN AND/OR EXHAUST, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4260	L	14"	860	EGGCRATE GRILLE, 24"x24", APPLIANCE WHITE, LAY-IN
<input checked="" type="checkbox"/>	NAILOR	4260	L	16"	1,175	EGGCRATE GRILLE, 24"x24", APPLIANCE WHITE, LAY-IN
<input type="checkbox"/>	NAILOR	5145H	S	SEE PLANS	SEE PLANS	SUPPLY SIDE WALL GRILLE, 45° DEFLECTION, 3/4" BLADE SPACING, APPLIANCE WHITE, SURFACE MOUNT
<input type="checkbox"/>	NAILOR	51FH	S	SEE PLANS	SEE PLANS	RETURN/ EXHAUST SIDE WALL GRILLE, 45° DEFLECTION, 3/4" BLADE SPACING, APPLIANCE WHITE, SURFACE MOUNT

PUMP SCHEDULE

UNIT MARK	MFR	MODEL	LOCATION	SERVES	GPM	HEAD FT./H2O	MAX IMPELLER DIA.	MOTOR		RPM	OPER WT LBS	REMARKS
								HP	VOLT.			
P-1	B & G	3x3x7B SERIES 80	HHW S&R CLOSET ROOM 4-196	BUILDING HWS & R	175	35	7"	3	460/3/60	1750	30	HOT WATER BOOSTER PUMP, VFD

1. FOR MOUNTING/ ANCHORAGE, SEE DETAIL 9

EXHAUST FAN SCHEDULE

EQUIPMENT NUMBER	BUILDING/AREA SERVED	MFR. / MODEL #	FAN TYPE	AIR FLOW CFM	TOTAL EXT. S.P. IN. W.G.	MOTOR RPM	DRIVE TYPE	ELECTRICAL		TOTAL EST. WT. LBS.	REMARKS
								MOTOR HP	VOLT-PH-HZ		
EF-1	SOUTH WING	COOK / 210LPB	LOW PROFILE CENTRIFUGAL	3,815	1.0	1725	BELT	1 1/2	460/3/60	387	①
EF-2	NORTH WING	COOK / 225LPB	LOW PROFILE CENTRIFUGAL	4,240	1.0	1725	BELT	2	460/3/60	463	①
EF-3	Rm 4-120 & 4-122	COOK / 300TLC-B	LOW CONTOUR DOWN CENTRIFUGAL	5,330	1.0	1725	BELT	3	460/3/60	526	①
EF-4	Rm 4-230	COOK / 300TLC-B	LOW CONTOUR DOWN CENTRIFUGAL	6,110	1.0	1725	BELT	3	460/3/60	526	①
EF-5	Rm 4-240	PANASONIC/ FV-11VQD2	CEILING MOUNTED FAN	110	.10	1022	-	.35 (AMPS)	120/1/60	15	2 SPEED, TSTAT CONTROLLED
EF-6	Rm 4-201	COOK / 225LPB	LOW PROFILE CENTRIFUGAL	3,520	.50	1725	BELT	3/4	460/3/60	473	①③ ON/ OFF WALL MOUNTED SWITCH
EF-7	Rm 4-201	COOK / 165LPB	LOW PROFILE CENTRIFUGAL	1,715	.50	1725	BELT	1/2	115/1/60	252	①③ ON/ OFF WALL MOUNTED SWITCH

① 20" MFG. ROOF CURBS
② FOR MOUNTING/ ANCHORAGE, SEE DETAILS 3 4 5
③ AIR DIVERTERS

CARRIER COOLING ONLY SPLIT SYSTEM

EQUIPMENT TAG	MODEL	LOCATION	COOLING TOTAL	V/P/H	MCOP	OUTDOOR MOCOP	OUTDOOR MCA	CFM	WEIGHT LBS.	REMARKS
AC-2/CU-2	40MVC024/38MVC024	TELE DATA/ROOF	24 MBH	208/1/60	20	25	14	750	40/150	①②③④⑤⑥⑦⑧
AC-3/CU-3	40MVC024/38MVC024	TELE DATA/ROOF	24 MBH	208/1/60	20	25	14	750	40/150	①②③④⑤⑥⑦⑧
AC-4/CU-4	40MVC024/38MVC024	TELE DATA/ROOF	24 MBH	208/1/60	20	25	14	750	40/150	①②③④⑤⑥⑦⑧

1. CONDENSATE PUMP
2. LOW AMBIENT CONTROLS
3. WIND BAFFLE
4. REFRIGERANT R-410a
5. CONDENSING UNIT REQUIRES EPOXY COATED.
6. PROVIDE ALUMINUM OR PVC CASING OVER REFRIGERANT PIPING INSULATION.
7. SEE ARCHITECTURAL DRAWING FOR PIPING PENETRATION DETAIL
8. FOR MOUNTING/ ANCHORAGE, SEE DETAILS 6 7

SOUND TRAP (ST) SCHEDULE

UNIT MARK	MFR	MODEL	LOCATION	SERVES	OVERALL SIZE			CFM	TOTAL AREA SF	VEL FPM	AIR PD IN WG	OPER. WT EA LBS.	NOTES
					INLET (IN)								
					W	H	L (IN)						
ST-1	IAC	3FL	4-100	AC-3	36	42	36	14,500	10.5	1,380	0.14	155	SUPPLY AIR

FIRE/SMOKE DAMPER - FIRE DAMPER SCHEDULE

UNIT MARK	MFR	MODEL	SLEEVE	U.L. RATING	REMARKS
FSD-1	NAILOR	1270	16"-28"	1-1/2" HR	165" LINKAGE, INSTAL PER MFG. INSTRUCTIONS, BLADE IN AIRSTREAM, LEAKAGE CLASS II, RECTANGULAR DUCT

AIR HANDLING UNIT SCHEDULE

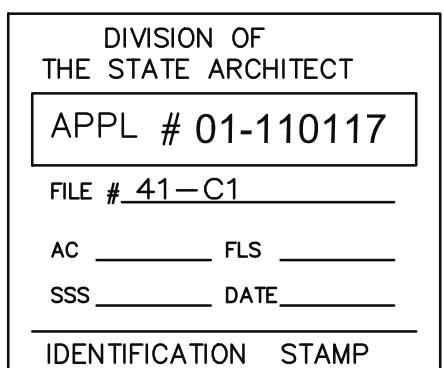
EQUIPMENT NUMBER	MANUFACTURER	SERVES	SUPPLY FAN			RETURN FAN		HOT WATER/HEATING COIL CAPACITY						ELECTRICAL VOLT/PH/HZ	MIN. OA CFM	TOTAL EST. WT. LBS.	REMARKS			
			AIR FLOW CFM	EXT. S.P. INCH W.C.	FAN MOTOR HP	EXT. S.P. INCH W.C.	FAN MOTOR HP	TOTAL MBH	SENSIBLE MBH	EAT °F		LAT °F						HHW		
										DB	WB	DB	WB					EWT °F	GPM	DP
AHU-1	TEAM AIR CONDITIONING	SOUTH WING	22,500	3.0	20	1.0	10	395,902	395,902	40	-	56.1	-	180	20	1.60	460/3/60	9,455	10,475	BOTH SA & RA FANS ON VFD'S, SERVES SOUTH WINGS
AHU-2	TEAM AIR CONDITIONING	NORTH WING	10,000	3.0	10	1.0	5	172,128	172,128	40	-	55.7	-	180	9	0.70	460/3/60	3,055	6,650	BOTH SA & RA FANS ON VFD'S, SERVES NORTH WINGS
AHU-3	TEAM AIR CONDITIONING	NORTH WING	14,500	4.0	15	-	-	401,863	401,863	30	-	55.3	-	180	21	2.35	460/3/60	14,500	5,910	100% OUTSIDE AIR, SA FAN ON VFD, SERVES NORTH WINGS

1. 2" INTERNAL SPRING ISOLATORS.
2. DOUBLE WALL ENCLOSURE
3. PLACE UNITS ON 3/4" THICK NEOPRENE PAD
4. MERV. 14 FILTERS
5. SMOKE DETECTOR BY DIV. 27
6. FOR MOUNTING/ ANCHORAGE, SEE DETAIL 10

DX SPLIT SYSTEM SCHEDULE

MARK	MFR	MODEL	LOCATION	INDOOR UNIT				OUTDOOR UNIT				REMARKS							
				COOLING MBH		CFM	ELEC. DATA (INDOOR)		OP. WT. LBS.	MARK	MODEL		LOCATION	ELEC. DATA (OUTDOOR)		OP. WT. LBS.			
				TOTAL	SENSIBLE		FLA	MCA						MAX FUSE	VOLT/PH		MCA	MAX FUSE	VOLT/PH
FC-1	CARRIER	FXC4N0600	MAIN ELEC.RM.	51.0	42.0	1750	6.0	7.5	15	208/1	210	CU-1	38HDR060	ROOF	11.6	20	460/3	305	①②③④⑤⑥⑦

1. CONDENSATE PUMP
2. LOW AMBIENT CONTROLS
3. REFRIGERANT R-410a
4. CONDENSING UNIT REQUIRES EPOXY COATED FINS
5. PROVIDE ALUMINUM OR PVC CASING OVER REFRIGERANT PIPING INSULATION
6. SEE ARCHITECTURAL DETAIL FOR PIPING PENETRATION DETAIL
7. FOR MOUNTING/ ANCHORAGE, SEE DETAIL 6 8



SKYLINE COLLEGE
SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT
CIP2 DESIGN-BUILD PROJECT
BUILDING 4
INCREMENT 3

CMT PROJECT NO. 28212 DRAWN BY:
DATE: 10/27/09 CHECKED BY:
SCALE: 0' 8" 12" 16" 24" 32"
SHEET TITLE:
SHEET NO.:

MECHANICAL EQUIPMENT SCHEDULES