EXISTING AIR HANDLER SCHEDULE

EQUIPMENT ID	SPECIFICATION SECTION	DESCRIPTION	MANUFACTURER / MODEL NUMBER	CAPACITIES	HEATING COIL PRESSURE DROP AIR / FLUID (in H20 / ft H20)	COOLING COIL PRESSURE DROP AIR / FLUID (" OF WATER COLUMN)	HEATING CAPACITY (MBH) / FLOW RATE (GPM)	COOLING CAPACITY (MBH) / FLOW RATE (GPM)	ACCESSORIES	ELECTRICAL LOAD	ELECTRICAL SERVICE	WEIGHT	REMARKS
AHU 5 (EXISTING UNIT W/ DUCTWORK DROPS TO 1ST FLOOR CEILING ONLY)	23 74 13	MODULAR AIR HANDLER FOR VARIABLE AIR VOLUME APPLICATION, HORIZONTAL DISCHAGE & RETURN CONFIGURATION WITH RETURN / EXHAUST AIR FAN, 100% AIRSIDE ECONOMIZER, CHILLED WATER AND HOT WATER COILS, AND COMBINATION MIXING BOX, BAG & ELECTRONIC AIR FILTER SECTIONS. OUTSIDE AIRFLOW MONITORING STATION	INSTALLED UNDER PREVIOUS CONTRACT	COOLING COIL: 4 ROWS, 125 FINS PER FOOT, 352.15 MBH TOTAL AND 352.15 MBH SENSIBLE @ 77.60°F EDB, 51.60°F EWB, 54.20°F LDB, 41.57°F LWB HEATING COIL: 1 ROW, 80 FINS PER FOOT, 428.67 MBH TOTAL CAPACITY @ 36.00°F EDB AND 64.60° F LDB, & 180° F EWT, 160° F LWT @ 42.81 GPM SUPPLY FAN DATA: 16,300 CFM @ 1.25" ESP, 1,449 RPM +/–, 13.466 BHP, 2,347 CFM OSA RETURN FAN DATA: 16,300 CFM @ 0.75" ESP, 625 RPM +/–, 9.296 BHP	0.05 in / 3.67 ft	0.34 in / 2.31 ft	429 MBH / 43 GPM	352 MBH / 70 GPM	SPRING INTERNAL ISOLATION OF ALL FANS, COMB. MIXING BOX & FILTER SECTION w/ MERV–13 SHORT BAG PRE–FILTERS, ELECTRONIC DYNAMIC FILTER, CABINET MOUNTED VARIABLE FREQUENCY DRIVE (VFD FURNISHED BY TEMPERATURE CONTROL CONTRACTOR), INTEGRAL DRAIN PANS, INSULATED DOUBLE WALL UNIT CASING AND ACCESS DOORS	S.A. FAN = 15HP R.A. FAN = 10HP	460V / 3–PH	10,500 LBS.	EXISTING UNIT SERVING BUILDING 1–5
AHU 3B (EXISTING UNIT W/ DUCTWORK DROPS TO 1ST FLOOR CEILING ONLY)	23 74 13	MODULAR AIR HANDLER FOR VARIABLE AIR VOLUME APPLICATION, HORIZONTAL DISCHAGE & RETURN CONFIGURATION WITH RETURN / EXHAUST AIR FAN, 100% AIRSIDE ECONOMIZER, CHILLED WATER AND HOT WATER COILS, AND COMBINATION MIXING BOX, BAG & ELECTRONIC AIR FILTER SECTIONS. OUTSIDE AIRFLOW MONITORING STATION	INSTALLED UNDER PREVIOUS CONTRACT	COOLING COIL: 4 ROWS, 124 FINS PER FOOT, 283.27 MBH TOTAL AND 283.27 MBH SENSIBLE @ 76.60°F EDB, 51.0°F EWB, 54.20°F LDB, 41.32°F LWB HEATING COIL: 1 ROW, 80 FINS PER FOOT, 360.29 MBH TOTAL CAPACITY @ 41.70°F EDB AND 70.50 F LDB, & 180° F EWT, 160° F LWT @ 35.98 GPM SUPPLY FAN DATA: 13,700 CFM @ 1.25" ESP,1308 RPM +/–, 9.802 BHP, 1,925 CFM OSA RETURN FAN DATA: 13,700 CFM @ 0.75" ESP, 569 RPM +/–, 6.385 BHP	0.05 in / 2.84 ft	0.30 in / 1.73 ft	360 MBH / 36 GPM	283 MBH / 56 GPM	SPRING INTERNAL ISOLATION OF ALL FANS, COMB. MIXING BOX & FILTER SECTION w/ MERV–13 SHORT BAG PRE–FILTERS, ELECTRONIC DYNAMIC FILTER, CABINET MOUNTED VARIABLE FREQUENCY DRIVE (VFD), INTEGRAL DRAIN PANS, INSULATED DOUBLE WALL UNIT CASING AND ACCESS DOORS	S.A. FAN = 10HP R.A. FAN = 7.5HP	460V / 3–PH	8,000 LBS.	EXISTING UNIT SERVING SOUTH SIDE OF BUILDING 1–3

DIFFUSER REGISTER SCHEDULE

UNIT DESIGNATION	DESCRIPTION	MANUFACTURER / MODEL NUMBER	NECK/CONNECTION SIZE	OBD	FINISH/MATERIAL	REMARKS
1	SQUARE CEILING LAY–IN DIFFUSER, ROUND NECK, HIGH PERFORMANCE WITH MINIMUM THREE CONES	LOUVERED DIFFUSER SUBMITTED BY CONTRACTOR FOR APPROVAL	AS SHOWN ON PLANS	NO	OFF–WHITE BAKED ENAMEL, STEEL	STANDARD 24" X 24" LAY–IN MODULE
2	CEILING RETURN/EXHAUST GRILLE, "EGC15" 1/2"x1/2"x1" ALUM. EGGCRATE	EGGCRATE GRILLE SUBMITTED BY CONTRACTOR FOR APPROVAL	AS SHOWN ON PLANS	YES	OFF–WHITE BAKED ENAMEL, STEEL	STANDARD 24" X 24" LAY–IN MODULE
3	ROUND CEILING DIFFUSER, ADJUSTABLE, ROUND NECK, HIGH PERFORMANCE WITH MINIMUM FOUR CONES	ROUND CEILING DIFFUSER SUBMITTED BY CONTRACTOR FOR APPROVAL	AS SHOWN ON PLANS	NO	OFF–WHITE BAKED ENAMEL, STEEL	DUCT MOUNTED DIFFUSER
4	TRANSFER GRILLE, STEEL WITH ¾" BLADE SPACING, 0° DEFLECTION,BLADES PARALLEL TO LONG DIMENSION, FRAME FOR SURFACE MOUNT	TRANSFER GRILLE SUBMITTED BY CONTRACTOR FOR APPROVAL	AS SHOWN ON PLANS	NO	OFF–WHITE BAKED ENAMEL, STEEL	WALL MOUNTED UNIT

LOUVER SCHEDULE

UNIT DESIGNATION	DESCRIPTION	MANUFACTURER / MODEL NUMBER	ACCESSORIES	WEIGHT	REMARKS
L 1	LOUVER, STATIONARY, EXTRUDED ALUMINUM, DRAINABLE, 24"Wx12"H FOR MAXIMUM 500 FPM	TO BE SUBMITTED ON BY CONTRACTOR FOR APPROVAL	BACK DRAFT DAMPER, FINISH TO MATCH SURROUNDING STRUCTURE, INSECT SCREEN	20 LBS.	INSTALL PER MANUFACTURER'S INSTRUCTIONS

NEW MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT ID	DESCRIPTION	MANUFACTURER / MODEL NUMBER	CAPACITIES	ACCESSORIES	ELECTRICAL LOAD	ELECTRICAL SERVICE	WEIGHT	REMARKS
FC 1	HORIZONTAL MOUNTED CABINET FAN COIL UNIT, CONSTANT FLOW, SUSPENDED WITH ALL THREAD ROD FROM BOTTOM OF ROOF STRUCTURE	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	NOMINAL 5–TON UNIT FOR 53.0 MBH T.C. & 40.6 S.C. AT 80/67°F E.A.T., 7.5 KW HEATING ELEMENT, 2000 CFM @ 0.25" W.C. E.S.P. ON MEDIUM HIGH SPEED, 200 CFM O.S.A.	FURNISH WITH WALL MOUNTED AUTO–CHANGEOVER THERMOSTAT, R–IN–S ISOLATOR HANGING KIT, MINIMUM MERV 8 1" THICK T.A. AIR FILTER, AND ELECTRIC HEATING COIL	48.3 MCA W/ NOM. 7.5 KW ELEC. HTG. COIL	208V / 3–PH / 60 HZ	200 LBS.	SERVING GROUND FLOOR CORRICOR
HP 1	OUTDOOR SPLIT–SYSTEM HEAT PUMP, ROOF MOUNTED	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	NOMINAL 5–TON UNIT FOR 53.0 MBH T.C. AT 95°F AMBIENT, 13.0 SEER, 29.8 MBH HTG AT 47°F AMBIENT	FURNISH WITH LOW–AMBIENT HARD–START KIT, THERMAL EXPANSION VALVE, AND R410A REFRIGERANT	37.5 MCA	208V / 1–PH / 60 HZ	265 LBS.	CONNECT TO FC–1
FC 2	HORIZONTAL MOUNTED CABINET FAN COIL UNIT, CONSTANT FLOW, SUSPENDED WITH ALL THREAD ROD FROM BOTTOM OF ROOF STRUCTURE	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	NOMINAL 5–TON UNIT FOR 53.0 MBH T.C. & 40.6 S.C. AT 80/67°F E.A.T., 7.5 KW HEATING ELEMENT, 2000 CFM @ 0.25" W.C. E.S.P. ON MEDIUM HIGH SPEED, 200 CFM O.S.A.	FURNISH WITH WALL MOUNTED AUTO–CHANGEOVER THERMOSTAT, R–IN–S ISOLATOR HANGING KIT, MINIMUM MERV 8 1" THICK T.A. AIR FILTER, AND ELECTRIC HEATING COIL	48.3 MCA W/ NOM. 7.5 KW ELEC. HTG. COIL	208V / 3–PH / 60 HZ	200 LBS.	SERVING SECOND FLOOR CORRICOR
HP 2	OUTDOOR SPLIT–SYSTEM HEAT PUMP, ROOF MOUNTED	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	NOMINAL 5–TON UNIT FOR 53.0 MBH T.C. AT 95°F AMBIENT, 13.0 SEER, 29.8 MBH HTG AT 47°F AMBIENT	FURNISH WITH LOW–AMBIENT HARD–START KIT, THERMAL EXPANSION VALVE, AND R410A REFRIGERANT	37.5 MCA	208V / 1–PH / 60 HZ	265 LBS.	CONNECT TO FC–2
MAU 1	MAKEUP AIR UNIT, OUTDOOR, INDIRECT FIRED, NATURAL GAS HEATING WITH EVAPORATIVE COOLING MODULE FOR MIN. 88% EFFICIENCY, POWER VENTED, HORIZONTAL DISCHARGE	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	NOMINAL 350 MBH HEATING SECTION FOR 232.5 MBH OUTPUT (DERATED) WITH 85°F TEMPERATURE RISE @ 3,000 CFM 1.50" W.C. ESP, EVAPORATIVE COOLING MODULE FOR MINIMUM 88% EFFICIENCY AT 3,000 CFM	FURNISH WITH AIR FILTER SECTION & 2" THICK T.A. FILTERS, INLET AIR HOOD, 100% OSA CONFIGURATION, AND PRE–MANUFACTURED ROOF CURB TO SUPPORT ENTIRE UNIT	14.0 FLA WITH 2.0 HP DRIVE	208V / 1–PH / 60 HZ	1,400 LBS.	UNIT SERVES KITCHEN
KEF 3	FLAT BLADE UTILITY SET, UPBLAST DISCHARGE CENTRIFUGAL EXHAUST VENTILATOR FAN FOR TYPE 1 KITCHEN GREASE HOODS APPLICATION, BELT DRIVE, ALUMINUM HOUSING, BOTTOM DRAIN	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	2,335 CFM EXHAUST AT 1.75" W.C. E.S.P., 2,290 FAN RPM, 90 DBA	FURNISH WITH EXTENDED LUBE LINES, DRAIN, GREASE TROUGH RESERVOIR, AND PRE–MANUFACTURED VENTILATED ROOF CURB	1.5 HP DRIVE	208V / 1–PH / 60 HZ	250 LBS.	UNIT SERVES TYPE 1 KITCHEN HOODS ITEMS K–20 & K–30
KEF 4	INLINE CENTRIFUGAL EXHAUST FAN, BELT DRIVE, MIXED FLOW, HORIZONTAL MOUNT FOR DISHWASHER HOOD APPLICATION	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	525 CFM EXHAUST AT 0.30" W.C. E.S.P., 1,352 FAN RPM	INLINE MOUNTED, BELT DRIVE, BACK DRAFT DAMPER, UL 705, AMCA CERTIFIED, OPEN DRIP–PROOF MOTOR WITH PERMANENTLY LUBRICATED SEALED BEARINGS	1/2–HP DRIVE	120V / 1–PH / 60 HZ	150 LBS.	UNIT SERVES TYPE 2 DISHWASHER HOOD ITEM K–90
EF 5 2 (REQ'D)	INLINE CENTRIFUGAL EXHASUT FAN, DIRECT DRIVE, FORWARD CURVE POLYPROPYLENE FAN WHEEL	UNIT SUBMITTED BY CONTRACTOR FOR APPROVAL	350 CFM SUPPLY AT 0.125" E.S.P.	INLINE MOUNTED, DIRECT DRIVE, BACKDRAFT DAMPER, UL 705, AMCA CERTIFIED, OPEN DRIP PROOF TYPE PERMANENTLY LUBRICATED SEALED BEARINGS	171 WATTS	120V / 1–PH / 60 HZ	32 LBS.	SERVES MENS, WOMENS, AND HVAC ROOM

Variable Air Volume Single Duct Terminal Units Schedule Report

TAGS	MANUFACTURER & MODEL NO.	PRIMARY INLET	MAX INLET SP (in H20)	DESIGN COOLING AIRFLOW (cfm)	MIN COOLING AIRFLOW (cfm)	APD @ COOLING AIRFLOW (in. H20)	COOLING INLET VELOCITY (ft/min)	VALVE HEATING AIRFLOW (cfm)	PRIMARY EDB (deg. F)	UNIT LAT (deg. F)	HEATING DELTA T (deg. F)	HEATING ENTERING FLUID TEMP. (deg. F)	HEATING FLOW RATE (gpm)	COIL HEATING CAPACITY (Mbh)	COIL FLUID PRESSURE DROP (ft H20)	COIL TYPE	MINIMUM Cv VALUE	UNIT CONTROL TYPE	MAX WEIGHT (lbs)	NOISE CRITERIA-DISCHARGE (NC)	NOISE CRITERIA-RADIATED (NC)
VAV-1	SUBMITTED BY CONTRACTOR FOR APPROVAL	5" (127mm) inlet	0.75	PER PLANS	100	0.14	2200	100	55	145.4	16.4	180.0	2.00	8.31	0.63	2-ROW	4.00	3-WAY VALVE	35	31	26
VAV-2	SUBMITTED BY CONTRACTOR FOR APPROVAL	8" (203mm) inlet	0.75	PER PLANS	200	0.29	1719	200	55	124.9	25.5	180.0	1.50	12.90	0.10	2-ROW	4.00	3-WAY VALVE	35	22	24
VAV-3	SUBMITTED BY CONTRACTOR FOR APPROVAL	10" (254mm) inlet	0.75	PER PLANS	330	0.38	2017	330	55	128.7	29.9	180.0	2.50	22.45	0.41	2-ROW	4.00	3-WAY VALVE	35	24	29
VAV-4	SUBMITTED BY CONTRACTOR FOR APPROVAL	10" (254mm) inlet	0.75	PER PLANS	330	0.38	2017	330	55	128.7	29.9	180.0	2.75	22.45	0.41	2-ROW	4.00	3-WAY VALVE	35	24	29
VAV-5	SUBMITTED BY CONTRACTOR FOR APPROVAL	10" (254mm) inlet	0.75	PER PLANS	330	0.38	2017	330	55	128.7	29.9	180.0	1.25	22.45	0.41	2-ROW	4.00	3-WAY VALVE	35	24	29
~~VAV-6~~	~~SUBMITTED BY CONTRACTOR FOR APPROVAL~~	~~10" (254mm) inlet~~	~~0.75~~	~~PER PLANS~~	~~330~~	~~0.38~~	~~2017~~	~~330~~	~~55~~	~~128.7~~	~~29.9~~	~~180.0~~	~~0.50~~	~~22.45~~	~~0.41~~	~~2-ROW~~	~~4.00~~	~~3-WAY VALVE~~	~~35~~	~~24~~	~~29~~ — NOT USED (1)
VAV-7	SUBMITTED BY CONTRACTOR FOR APPROVAL	10" (254mm) inlet	0.75	PER PLANS	330	0.38	2017	330	55	128.7	29.9	180.0	2.00	22.45	0.41	2-ROW	4.00	3-WAY VALVE	35	24	29
VAV-8	SUBMITTED BY CONTRACTOR FOR APPROVAL	10" (254mm) inlet	0.75	PER PLANS	330	0.38	2017	330	55	128.7	29.9	180.0	0.50	22.45	0.41	2-ROW	4.00	3-WAY VALVE	35	24	29
VAV-9	SUBMITTED BY CONTRACTOR FOR APPROVAL	10" (254mm) inlet	0.75	PER PLANS	330	0.38	2017	330	55	128.7	29.9	180.0	2.00	22.45	0.41	2-ROW	4.00	3-WAY VALVE	35	24	29

FULLY SPRINKLERED

Revisions:	Date
(1) ADDENDUM 2	5-24-12

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Drawing Title	Project Title	Project Number
MECHANICAL SCHEDULES	VA SIERRA NEVADA HEALTH CARE SYSTEM - CANTEEN RELOCATION DESIGN - , RENO, NEVADA	654-11-227
Approved: Project Director	Location: 975 KIRMAN AVE., RENO, NEVADA 89502	Building Number: 1
	Date: 25 JAN, 2012 — Checked: TPF — Drawn: EBW	Drawing Number: M0.2 — Dwg. – of –

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08–6231