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UNIT MARK NUMBER				PACKAGED GAS FIRED ROOFTOP UNIT SCHEDULE										
MARK	TOTAL CFM	OUTSIDE AIR CFM	E.S.P. H ₂ O	COOLING				HEATING		ELECTRICAL VOLTS/PHASE/ MIN. CKT. AMPS/ MAX. FUSE AMPS.	MANUFACTURER/MODEL #	EQUIP. WEIGHT (LBS.)	REMARKS	AREA SERVED
				TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	EAT DB/WB (°F)	AMB. (°F)	GAS INPUT MBH	CAPACITY MBH					
RTU 1	1200	80	0.6	27.4	27.4	80/62	115	80	62	230/1/27.1/40	TRANE / YCD036CI	750	1, 2, 3, 4, 5, 6	RESCUE DORMS/ OFFICE
RTU 2	1200	80	0.6	27.4	27.4	80/62	115	80	62	208/1/27.1/40	TRANE / YCD036CI	750	1, 2, 3, 4, 5, 6	RESCUE DORMS/ OFFICE
NOTES														
1. PROVIDE 8" HIGH ROOF CURB BY UNIT MANUFACTURER. SEE ARCHITECTURAL PLANS FOR ROOF SLOPE.														
2. PROVIDE AND INSTALL DUCT SMOKE DETECTOR IN S/A DUCT, LOCATE RESET SWITCH ABOVE CEILING IN TRUSS SPACE, INTERLOCK DETECTOR AS REQUIRED TO SHUT DOWN UNIT UPON DETECTION OF SMOKE. ELECTRICAL CONTRACTOR TO PROVIDE 120V POWER TO DETECTOR ONLY.														
3. PROVIDE UNIT WITH BIRDSCREEN AND BACKDRAFT DAMPER ON O/A INTAKE.														
4. PROVIDE UNIT WITH 2" THROW-AWAY FILTERS.														
5. PROVIDE AND INSTALL PROGRAMMABLE THERMOSTAT, LOCATION INDICATED ON PLANS. PROVIDE CONTROL WIRING , CONDUIT, ETC. AS REQUIRED FOR COMPLETE AND OPERABLE SYSTEM.														
6. PROVIDE MECHANICAL EQUIPMENT RESTRAINT AS REQUIRED BY LOCAL CODE.														

UNIT MARK NUMBER													
MARK	AIR FLOW (CFM)	E.S.P. IN. WC	TYPE	DRIVE	RPM	ELECTRICAL				MANUFACTURER MODEL # OR EQUAL	OPER. WEIGHT	REMARKS	
						VOLTS	PHASE	AMPS	WATTS	HP			
EF 1	150	0.25	CEILING	DIRECT	1050	120	1	1.14	80	-	GREENHECK SP-9	10	1, 2
EF 2	325	0.375	ROOF	BELT	1170	120	1	-	-	1/4	GREENHECK GB-80-4	30	3, 4
EF 3	500	5.3'	ROOF	BELT	3450	240	1	-	-	1	PLYMOVENT 67001	62	2, 3
EF 4	500	5.3'	ROOF	BELT	3450	208	1	-	-	1	PLYMOVENT 67001	62	2, 3
EF 5	2000	6.1'	ROOF	BELT	3450	240	1	-	-	5	PLYMOVENT 67001T	150	2, 3
EF 6	2000	6.1'	ROOF	BELT	3450	208	3	-	-	5	PLYMOVENT 67001T	150	2, 3
NOTES													
① PROVIDE WITH INTEGRAL GRILLE, BIRDSCREEN AND BACKDRAFT DAMPER.													
② PROVIDE SEPARATE SWITCH FOR FAN CONTROL.													
③ PROVIDE WITH ROOF CURB, BIRDSCREEN, AND BACKDRAFT DAMPER.													
④ FAN IS TO RUN CONTINUOUSLY.													

DIFFUSER MARK CFM						
MARK	TYPE	RUNOUT SIZE	NECK SIZE	PANEL SIZE	MANUFACTURER/ MODEL NUMBER OR EQUAL	REMARKS
91	SUPPLY CD	6"φ	6"φ	12"x12"	NAILOR RNSA	1, 2, 3, 4
92	SUPPLY CD	8"φ	8"φ	12"x12"	NAILOR RNSA	1, 2, 3, 4
93	SUPPLY CD	10"φ	10"φ	24"x24"	NAILOR RNSA	1, 2, 3, 4
94	SUPPLY CD	8"φ	8"φ	24"x24"	NAILOR RNSA	1, 2, 3, 4
R1	RETURN R	12"φ	12"φ	24"x24"	NAILOR 5IEC	1, 2, 3
E1	EXHAUST E	8"φ	8"φ	24"x24"	NAILOR 5IEC	1, 2, 3
L1	LOUVER	6"φ	12"x12"	14"x14"	RUSKIN ELF6315DX	5
NOTES						
① COORDINATE LOCATIONS WITH ARCHITECTURAL AND ELECTRICAL PLANS.						
② PROVIDE WITH BALANCING DAMPER.						
③ PROVIDE SUITABLE FRAME FOR CEILING TYPE, COORDINATE W/ ARCHITECTURAL PLANS.						
④ PROVIDE 4-WAY THROW UNLESS INDICATED OTHERWISE ON PLANS. (1-W = 1-WAY, 2-W = 2-WAY, 3-W = 3-WAY)						
⑤ PROVIDE LOUVER WITH BIRDSCREEN, PAINT TO MATCH ADJACENT SURFACE. INSTALL PER MANUFACTURER'S INSTRUCTIONS (0.31 SF. MIN. FREE AREA).						

UNIT MARK NUMBER						
MARK	NATURAL GAS INPUT (MBH)	ELECTRICAL		MANUFACTURER/ MODEL NUMBER OR EQUAL	OPER. WEIGHT	REMARKS
		VOLTAGE	PHASE			
UH 1	50	115	1	40	REZNOR BE-50	1, 2
NOTES						
① PROVIDE WITH THERMOSTATS BY UNIT MANUFACTURER.						
② MOUNT PER MANUFACTURER'S GUIDELINES. SEE 3/MF-D3 FOR DETAIL.						

UNIT MARK NUMBER													
MARK	AIR FLOW (CFM)	E.S.P. IN. WC	TYPE	DRIVE	ELECTRICAL		VOLTAGE	PHASE	AMPS	HP	MANUFACTURER/ MODEL NUMBER OR EQUAL	OPER. WEIGHT	REMARKS
EC 1	7600	0.3'	DOWN DISCH.	DIRECT	115	1	--	--	--	1	CHAMPION 10 DD	630	1, 2, 3, 4
NOTES													
① PROVIDE SWITCH FOR E.C. CONTROL.													
② PROVIDE ALL SWITCHES, MOTOR STARTERS, TRANSFORMERS, JUNCTION BOXES, RECEPTACLES, RECEPTACLE BOXES, COVER PLATES, CONDUIT AND CONDUCTORS FOR A COMPLETE AND OPERABLE SYSTEM.													
③ PROVIDE NEMA 5-15 RECEPTACLE IN ENCLOSURE WITH COVER FOR RECIRCULATING PUMP AND CONTROLS.													
④ PROVIDE WITH BLEED-OFF LINE.													

UNIT MARK NUMBER		HOSE REEL SCHEDULE											
HR 1		REELCRAFT MODEL 1850, VIBRATION PROOF AUTOMATIC RETRACTABLE AIR HOSE REEL. PROVIDE COMPLETE WITH SELF-LOCKING LATCH, PERMANENTLY LUBRICATED BEARINGS AND SUIVELS, AND 50 FEET OF 300 PSI MULTI-PURPOSE HOSE RATED FOR 300 PSI FOR AIR AND WATER DELIVERY. REEL TO HAVE 1/2" NPT INLET AND 3/8" NPT OUTLET. PLUMBING CONTRACTOR SHALL COORDINATE INSTALLATION OF HOSE REEL WITH THE STRUCTURE AND THE GENERAL CONTRACTOR. MOUNT TO BOTTOM OF TRUSS AT CEILING +/- 18'-0". PROVIDE (2)-3/8" CONNECTION FEMALE NPT COUPLERS, (2) MALE 1/4" NPT PLUGS, (1) DUAL HEAD TIRE INFLATOR/ GAUGE FOR DUAL WHEELS 1/4" NPT INLET, (1) HEAVY-DUTY BLOW GUN 1/4" NPT INLET.											

HVAC LEGEND		
ABBR.	SYMBOL	DESCRIPTION
SA	→	SUPPLY AIR (CEILING)
SA	→	SUPPLY AIR (SIDE WALL)
RA	←	RETURN AIR
EA	←	EXHAUST AIR
OA	←	OUTSIDE AIR
	⊠	DUCT SECTION POSITIVE PRESSURE - FIRST SIZE IS TOP
	⊠	DUCT SECTION NEGATIVE PRESSURE - FIRST SIZE IS TOP
	⊠	RIGID DUCT
FLEX	---	FLEXIBLE DUCT
LINED	20/12	DUCT SIZE (FIRST FIGURE IS SIDE SHOWN) INCHES
	⌒	ROUND DUCT - DOWN
	⌒	ROUND DUCT - UP
VD	⌒	MANUAL VOLUME DAMPER
CFM	⌒	CUBIC FEET PER MINUTE
DMSD	⊙	SMOKE DETECTOR (DUCT MOUNTED)
BDD	⊙	BACKDRAFT DAMPER
CD	⊙	CEILING DIFFUSER WITHOUT OBD
G	⊙	GRILLE
SW	⊙	SIDEWALL
R	⊙	REGISTER WITH OBD
UC	⊙	UNDERCUT
AF	⊙	AIR FILTER
EAT/LAT	⊙	ENTERING, LEAVING AIR TEMPERATURE
WB/DB	⊙	WET, DRY BULB TEMPERATURE
FFM	⊙	FEET PER MINUTE
RPM	⊙	REVOLUTIONS PER MINUTE
" WC	⊙	INCHES OF WATER COLUMN
TSP	⊙	TOTAL STATIC PRESSURE
Δ P	⊙	PRESSURE DROP, PRESSURE DIFFERENCE
POC	⊙	POINT OF CONNECTION, NEW TO EXISTING
DISC	⊙	DISCONNECT TO POINT INDICATED
EX	⊙	EXISTING TO REMAIN
RX	⊙	REMOVE EXISTING
RXS	⊙	REMOVE EXISTING AND SALVAGE FOR REUSE THIS CONT.
RS	⊙	REINSTALL SALVAGED EQUIPMENT
DN	⊙	DOWN
FM	⊙	FROM
CLG	⊙	CEILING
TYP	⊙	TYPICAL
MTD	⊙	MOUNTED
ACLG	⊙	ABOVE CEILING
GFM	⊙	GALLONS PER MINUTE
CU	⊙	COPPER
HP	⊙	HORSEPOWER
AD	⊙	ACCESS DOOR
W/	⊙	WITH
W/O	⊙	WITHOUT
REF	⊙	REFERENCE TO INFO. FOUND ON OTHER DRAWINGS
FTB	⊙	FINISH FLOOR TO BOTTOM
UG, UF	⊙	UNDERGROUND, UNDER FLOOR
AF, BFF	⊙	ABOVE, BELOW FINISHED FLOOR
AFG, BFG	⊙	ABOVE, BELOW FINISHED GRADE
NIC	⊙	NOT IN CONTRACT

LIST OF DRAWINGS

MD.1	LEGEND & SCHEDULES
MD.2	DETAILS
MD.3	SPECIFICATION HIGHLIGHTS
M12	HVAC PLAN STATION #2
M12-A	OVERALL HVAC PLAN STATION #2
M119	HVAC PLAN STATION #1,9
M119-A	OVERALL HVAC PLAN STATION #1,9

AS BUILT 8/23/04

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A FACILITY IMPROVEMENT FOR:
FIRE STATION 27 & 9
LAS VEGAS, NEVADA

DATE
REVISION DESCRIPTION
NUMBER
DATE
REVISION DESCRIPTION
NUMBER

PROJECT NUMBER 0183
DRAWN BY S.F.
CHECKED BY KBD
DATE 08-18-01
SCALE NONE

SHEET NUMBER

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