

DEHUMIDIFICATION AIR HANDLER SCHEDULE																			
SYM.	TYPE	C.F.M.	O.A. C.F.M.	SP <sub>e</sub>	H.P.	MCA	MOCP	CHAR.	ELEC. HEATER	MOISTURE REMOVAL CAPACITY	DX COOLING COIL			PIPING SIZES		WEIGHT	REMARKS		
											B.T.U.	E.A.T.	L.A.T.	MAX. P.D.	LIQUID			SUCTION	C.D.
DH-1A	HORIZ.	5,300	1,734	1.0"	5.4	168	175	208/60/3	30 KW	58.6 LBS/HR.	140,000	82°F	69°F	25"	SEE O. UNIT SCHED.	SEE O. UNIT SCHED.	1"	1,500 LBS	DECTRON MODEL DS-050-RG-1-33NH1532E5C2ANDH WITH 2" MERV 8 ANTIMICROBIAL RETURN AIR FILTER, 2" MERV 2 OUTSIDE AIR FILTERS AND FACTORY INSTALLED MOTORIZED DAMPER.

DEHUMIDIFICATION OUTDOOR UNIT SCHEDULE													
SYM.	BTU	EAT	CHAR.	MCA	MOCP	SEER	REFR.	PIPE SIZING		WEIGHT	REMARKS		
								LIQUID	SUCTION				
DH-1B	140,000	95°F	208/60/1	14.0	20.0	13.0	R-410A	3/4"	1-1/8"	300 LBS	DECTRON MODEL NC-Z-2V-AUCSMO-V REMOTE CONDENSOR		

VRF OUTDOOR UNIT SCHEDULE													
SYM.	TYPE	WEIGHT	COOLING		HEATING		CHAR.	MCA	MOCP	REFRIGERANT PIPING SIZES		REMARKS	
			BTU	EER	BTU	COP				LIQUID	SUCTION		
DU-1	HEAT RECOVERY CONDENSING UNIT	622 LBS	120,000	13.2	133,000	3.87	208/60/3	41.0	60.0	3/4"	1-1/8"	MITSUBISHI MODEL TURYE1233AN40AN OUTDOOR HEAT RECOVERY UNIT WITH QSS848M-18 ROOF STAND	

VRF BRANCH CONTROL BOX SCHEDULE													
SYM.	CHAR.	MCA	MOP	WEIGHT	MAX BTU	MAX / PORT	# OF PORTS	INLET PIPE SIZES		OUTLET PIPE SIZES		REMARKS	
								LIQUID	SUCTION	LIQUID	SUCTION		
BS-1	208/60/1	2	15	75 #	120,000	≤54,000	7	3/4"	1-1/8"	1/4" x 6 3/8" x 1	1/2" x 6 5/8" x 1	MITSUBISHI MODEL TCMBG0108S114N4 BC CONTROLLER	

FAN COIL UNIT SCHEDULE													
SYM.	TYPE	BLOWER SECTION			DX COOLING COIL			PIPING SIZES			HEATING BTU	CHAR.	REMARKS
		CFM	MCA	MOCP	BTU	EAT	LAT	LIQ.	SUCT.	CD			
FC-1A	WALL MOUNTED	191	0.24	15	6,000	75°F	55°F	1/4"	1/2"	3/4"	6,700	208/60/1	MITSUBISHI TPKFY090L144A WALL MOUNTED UNIT WITH REMOTE T-STAT
FC-1B	4-WAY CEILING CASSETTE	335	0.29	15	12,000	75°F	55°F	1/4"	1/2"	3/4"	13,500	208/60/1	MITSUBISHI TPLFY012FM140A 4-WAY CASSETTE UNIT WITH REMOTE T-STAT
FC-1C	ABOVE CEILING DUCTED	370	2.13	15	12,000	75°F	55°F	1/4"	1/2"	3/4"	13,500	208/60/1	MITSUBISHI TPEFY012MA144A DUCTED UNIT WITH REMOTE T-STAT
FC-1D	ABOVE CEILING DUCTED	495	2.88	15	15,000	75°F	55°F	1/4"	1/2"	3/4"	17,000	208/60/1	MITSUBISHI TPEFY015MA144A DUCTED UNIT WITH REMOTE T-STAT
FC-1E	1-WAY CEILING CASSETTE	380	0.33	15	15,000	75°F	55°F	1/4"	1/2"	3/4"	17,000	208/60/1	MITSUBISHI TPMFY015BM140F 1 WAY CASSETTE WITH REMOTE T-STAT
FC-1F	ABOVE CEILING DUCTED	1200	4.25	15	36,000	75°F	55°F	3/8"	5/8"	3/4"	40,000	208/60/1	MITSUBISHI TPEFY036MA144A DUCTED UNIT WITH REMOTE T-STAT
FC-2A	WALL MOUNTED	1200	1.0	15	9,000	75°F	55°F	1/4"	1/2"	3/4"	10,900	208/60/1	MITSUBISHI MSZ-GL09NA WALL MOUNTED UNIT WITH REMOTE T-STAT
FC-2B	OUTDOOR UNIT ROOF MOUNTED	NA	9.0	15	9,000	75°F	55°F	1/4"	1/2"	NA	10,900	208/60/1	MITSUBISHI MUZ-GL09NA OUTDOOR HEAT PUMP WITH ROOF STAND

① UNIT TO BE SUPPLIED WITH INTERNAL CONDENSATE PUMP

VENTILATION AIR REQUIREMENTS										
UNIT SERVING	AREA SERVED	AREA SQ. FT.	OCCUPANCY / 1000 SQ. FT.	DEFAULT OCC.	REQ'D CFM PER PERSON	FIXTURE COUNT	CFM PER SQ. FT.	TOTAL CFM REQUIRED	REMARKS	ACTUAL MIN. CFM PROVIDED
RT-1	LEVEL 1 CORRIDOR	1,028	---	---	---	---	0.06	65		65
	LEVEL 2 CORRIDOR	1,445	---	---	---	---	0.06	90		90
	LEVEL 3 CORRIDOR	1,719	---	---	---	---	0.06	105		105
	LEVEL 4 CORRIDOR	1,719	---	---	---	---	0.06	105		105
	OFFICE 1.4	98	5	1	5	---	0.06	5 + 6 (SF)		11
	RECEPTION / LOBBY 1.2, 1.3	389	30	12	7.5	---	0.06	90 + 20 (SF)		110
	DINING 1.14	1,041	70	73	7.5	---	0.06	548 + 63 (SF)		611
	KITCHEN 1.13	320	20	7	7.5	---	0.06	53 + 19 (SF)		75
	LAUNDRY 1.12	75	10	1	25	---	0.06	25 + 5 (SF)		30
	LAUNDRY 1.5	675	10	7	25	---	0.06	175 + 41 (SF)		217
GYM 1.18	225	7	2	20	---	0.18	40 + 41 (SF)		81	
DH-1	POOL AREA	3,612	---	---	---	---	0.48	1734		1734

\* ALL VENTILATION CALCULATIONS SHOWN ABOVE HAVE BEEN MADE IN ACCORDANCE WITH 2018 IMC SECTION 403.3 MINIMUM VENTILATION RATES

DEDICATED OUTDOOR AIR UNIT SCHEDULE (INDIRECT GAS FIRED)																			
SYM.	CFM	OUTSIDE AIR REQUIRED	SP <sub>e</sub>	BLOWER H.P.	CHAR.	MCA	MOCP	EER	WEIGHT	GAS CONN.	EER	HEATING			COOLING			REMARKS	
												BTU IN	BTU OUT	EAT	LAT	MBH	EAT		WB
RT-1	1,500	1,497	0.75"	4.1	208/60/3	35.8	50.0	10.8	1371#	3/4"	11.0	150,000	107,200	10°F	96°F	52.4	95°F	64°F	TRANE HORIZON MODEL OABD060E3 WITH FACTORY MOUNTED ROOF CURB

PACKAGED TERMINAL A/C & HEATING UNIT SCHEDULE													
SYM.	CHAR.	MCA	MOCP	COP	HEATING		COOLING		REMARKS				
					BTU	KW	BTU	EER					
HP-1	208/230-10	20.0	20.0	3.3	9,400	2.78	9,100	11.3	GE MODEL AZ65H09DBM HEAT PUMP WITH ELECTRIC HEAT AND MAKE-UP AIR KIT.				
HP-2	208/230-10	25.0	30.0	3.5	13,400	3.93	11,500	11.2	GE MODEL AZ65H12DBM HEAT PUMP WITH ELECTRIC HEAT AND MAKE-UP AIR KIT				
HP-3	208/230-10	25.0	30.0	3.2	13,400	3.93	14,000	10.1	GE MODEL AZ65H15DBM HEAT PUMP WITH ELECTRIC HEAT AND MAKE-UP AIR KIT				

Ⓐ UNIT TO BE COMPLETE WITH WALL SLEEVE, UNIVERSAL CONDENSATE DRAIN KIT PIPED TO VERTICAL DRAIN (SEE PLUMBING PLANS) AND REMOTE 2 SPEED WALL MOUNTED THERMOSTAT. UNITS TO BE PROVIDED WITH ALUMINUM ARCHITECTURAL OUTDOOR GRILLE

EXHAUST FAN SCHEDULE													
SYM.	TYPE	C.F.M.	S.P.E.	WATTS / H.P.	CHAR.	R.P.M.	CONTROL	REMARKS					
EF-1	CEILING MOUNTED	150	.25	100	120/60/1	750	WALL SWITCH SEE ELEC.	BROAN LOSONE SELECT MODEL L150 WITH BACKDRAFT DAMPER, 8"Ø EXHAUST DUCT TO WALL CAP					
EF-2	CEILING MOUNTED	200	.25	100	120/60/1	750	T-STAT SET AT 80°F	BROAN LOSONE SELECT MODEL L200 WITH BACKDRAFT DAMPER, 8"Ø EXHAUST DUCT TO WALL CAP					
EF-3	ROOF MOUNTED	700	.40	1/4 H.P.	120/60/1	1750	CONTINUOUS	TWIN CITY MODEL BCRD 085C WITH BACKDRAFT DAMPER AND FACTORY MOUNTED ROOF CURB					
EF-4	ROOF MOUNTED	750	.40	1/4 H.P.	120/60/1	1880	CONTINUOUS	TWIN CITY MODEL BCRD 085C WITH BACKDRAFT DAMPER AND FACTORY MOUNTED ROOF CURB					
EF-5	ROOF MOUNTED	800	.40	1/4 H.P.	120/60/1	1880	CONTINUOUS	TWIN CITY MODEL BCRD 085C WITH BACKDRAFT DAMPER AND FACTORY MOUNTED ROOF CURB					
EF-6	ROOF MOUNTED	900	.40	1/4 H.P.	120/60/1	1300	CONTINUOUS	TWIN CITY MODEL BCRD 100C WITH BACKDRAFT DAMPER AND FACTORY MOUNTED ROOF CURB					
EF-7	ROOF MOUNTED	1,050	.40	1/4 H.P.	120/60/1	1510	CONTINUOUS	TWIN CITY MODEL BCRD 100C WITH BACKDRAFT DAMPER AND FACTORY MOUNTED ROOF CURB					
EF-8	ROOF MOUNTED	1,400	.40	1/4 H.P.	120/60/1	1300	CONTINUOUS	TWIN CITY MODEL BCRD 120C WITH BACKDRAFT DAMPER AND FACTORY MOUNTED ROOF CURB					
EF-9	VERTICAL IN-LINE	1,734	.30	1/2 H.P.	120/60/1	1525	INTERLOCK W/ DH-1A	TWIN CITY MODEL BSI 120A WITH BACKDRAFT DAMPER & EXTERNAL BELT DRIVE MOTOR					

ELECTRIC HEATER SCHEDULE						
SYM.	TYPE	BTU	KW	CHAR.	CONTROL	REMARKS
EH-1	WALL MOUNTED	6,830	2.0	120/60/1	INTEGRAL	QMARK MODEL HT1502SS WALL HEATER WITH SURFACE MOUNTING BRACKET AND INTEGRAL T-STAT
EH-2	WALL MOUNTED	6,830	2.0	120/60/1	INTEGRAL	QMARK MODEL HT1502SS WALL HEATER WITH RECESSED MOUNTING BRACKET AND INTEGRAL T-STAT
EH-3	WALL MOUNTED	6,830	2.0	208/60/1	INTEGRAL	QMARK MODEL CWH-2208 WALL HEATER WITH SURFACE MOUNTING BRACKET AND INTEGRAL T-STAT

GRILLE AND REGISTER SCHEDULE									
SYM.	SIZE	THROW	CFM	CONSTR.	FINISH	F.D.	O.B.	REMARKS	
D-1	6 x 6	2-WAY CORNER	25-100	STEEL	WHITE	NO	NO	PRICE MODEL SMD WITH BEVELED FRAME, MOUNT IN CEILING AS SHOWN ON PLANS	
D-2	9 x 9	2-WAY OPPOSITE	100-285	STEEL	WHITE	NO	NO	PRICE MODEL SMD IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
D-3	9 x 9	2-WAY CORNER	100-285	STEEL	WHITE	NO	NO	PRICE MODEL SMD IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
D-4	9 x 9	4-WAY	100-285	STEEL	WHITE	NO	NO	PRICE MODEL SMD IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
D-5	12 x 12	4-WAY	285-400	STEEL	WHITE	NO	NO	PRICE MODEL SMD IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
SR-1	12 x 6	2 WAY	100-290	STEEL	WHITE	NO	YES	PRICE MODEL 520D HIGH SIDEWALL REGISTER	
SR-2	14 x 8	2 WAY	400-500	ALUM.	WHITE	NO	YES	PRICE MODEL SDGE SPIRAL DUCT DIFFUSER FOR 18"Ø DUCT SIZE	
SR-2	14 x 8	2 WAY	400-500	ALUM.	WHITE	NO	YES	PRICE MODEL SDGE SPIRAL DUCT DIFFUSER FOR 24"Ø DUCT SIZE	
SR-4	12 x 10	2 WAY	400-500	STEEL	WHITE	NO	YES	PRICE MODEL 620D HIGH SIDEWALL REGISTER	
EG-1	6 x 6	---	20-100	STEEL	WHITE	NO	NO	PRICE MODEL 635 MOUNT IN CEILING AS SHOWN ON PLANS	
EG-2	18 x 16	---	1700-1800	STEEL	WHITE	NO	NO	PRICE MODEL 81 MOUNT IN CEILING AS SHOWN ON PLANS	
R-1	12 x 12	---	300-450	ALUM.	WHITE	NO	NO	PRICE MODEL 635 IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
R-1	12 x 12	---	300-450	STEEL	WHITE	NO	NO	PRICE MODEL 635 IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
R-2	16 x 16	---	450-700	STEEL	WHITE	NO	NO	PRICE MODEL 635 IN 24x24 LAY-IN MODULE, MOUNT IN CEILING AS SHOWN ON PLANS	
R-3	24 x 36	---	2650	ALUM.	WHITE	NO	NO	PRICE MODEL 635 MOUNT LOW ON SIDEWALL AS SHOWN ON PLANS	
IG-1	16 x 16	---	400-500	STEEL	WHITE	NO	NO	PRICE MODEL 635 MOUNT HIGH ON OUTSIDE AIR PLENUM ON WALL AS SHOWN ON PLANS	
IG-2	30 x 20	---	2400	ALUM.	WHITE	NO	NO	PRICE MODEL 62 MOUNT HIGH ON OUTSIDE AIR PLENUM ON WALL AS SHOWN ON PLANS	
PH-1	24"x24"x 12" H.	---	NA	ALUM.	MATCH BLDG.	NO	NO	PENN MODEL PENNHOUSE WITH FACTORY ROOF CURB TO MATCH SLOPE OF ROOF AND INSECT SCREEN	
OL-1	16 x 16	---	500-600	ALUM.	MATCH BLDG.	NO	NO	AMERICAN WARMING LE-31 WITH INSECT SCREEN, (MAXIMUM 800 FEET PER MINUTE)	
OL-2	24 x 28	---	1700-1800	ALUM.	MATCH BLDG.	NO	NO	AMERICAN WARMING LE-31 WITH INSECT SCREEN, (MAXIMUM 800 FEET PER MINUTE)	
OL-3	30 x 24	---	2400	ALUM.	MATCH BLDG.	NO	NO	AMERICAN WARMING LE-31 WITH INSECT SCREEN, (MAXIMUM 800 FEET PER MINUTE)	
EL-1	24 x 24	---	1700-1800	ALUM.	MATCH BLDG.	NO	NO	AMERICAN WARMING LE-31 WITH INSECT SCREEN, (MAXIMUM 1000 FEET PER MINUTE)	

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A NEW HOTEL:

**HOTEL**  
TWIN FALLS, ID.

**MECHANICAL SCHEDULES**

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**Laughlin Ricks Architecture**  
—architecture/planning—  
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