INTERMOUNTAIN SNOWBASIN CLINIC

ABBREVIATIONS

PL.

PLBG.

P.C.

PLATE

PLUMBING

PLUMBING CONTRACTOR

A AC ADD A/C ALT. AL A.B. & ARCH ASP. @	ACOUSTIC ADDENDUM AIR CONDITIONING ALTERNATE ALUMINUM ANCHOR BOLT AND ARCHITECT(URAL) ASPHALT AT
B BSMT. B.M. BLKG. BD. B.O. BLDG.	BASEMENT BENCHMARK BLOCKING BOARD BOTTOM OF BUILDING
C CAB'T C.I.P. C.B. CLG. CL C.T. CH C.O. CLR. CL. COL. CONC. CONC. CMU COND. CONN. CONST. CONT CJ	CABINET CAST IN PLACE CATCH BASIN CEILING CENTER LINE CERAMIC TILE CHANNEL CLEAN OUT CLEAR CLOSET COLUMN CONCRETE CONCRETE CONCRETE MASONRY UNIT CONDITION CONNECTION CONSTRUCTION CONSTRUCTION CONTINUOUS CONTROL JOINT
D D.P. D.B. DIAG. DIA. DIM. DISP. DWL. DN. D.S. D.W.V. DWG.	DAMP PROOFING DECK BEARING DIAGONAL DIAMETER DIMENSION DISPENSER DOWEL DOWN DOWN SPOUT DRAINAGE WASTE VENT DRAWING
E EA. E.W.C. EL. ELEV. EQ. EQUIP. EXH. EXIST. E.J. EXT.	EACH ELEC. WATER COOLER ELECTRIC ELEVATION EQUAL EQUIPMENT EXHAUST EXISTING EXPANSION JOINT EXTERIOR
F FT. FIN. F.E. F.E.C. FIXT.	FEET FINISH(ED) FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIXTURE

FL.	FLASHING
G GALV. GA. G.C. G.S.N. GL. GRL. GRL. GRD. GYP.	GALVANIZED GAUGE GENERAL CONTRACTOR GENERAL STRUCTURAL NOTES GLASS GRADE GRILLE GROUND GYPSUM
H HDW. HDWD. HTR. H.P. H.M. HORIZ. H.B. H.W. HR.	HARDWARE HARDWOOD HEATER HEIGHT HIGH POINT HOLLOW METAL HORIZONTAL HOSE BIB HOT WATER HOUR
I IN. I.D. INSUL. INT. INV.	INCH INSIDE DIAMETER INSULATION INTERIOR INVERT
J JAN. JT. JST.	JANITOR JOINT JOIST
L LAM. LDG. LAV. LT. L.W.C. LVR.	Laminated Landing Lavatory Light Light Weight Concrete Louver
M M.B. MFR. M.O. MAT'L MAX. MECH. MECH. MIN. MIN. MLDG. MULL.	MACHINE BOLT MANUFACTURER MASONRY OPENING MATERIAL MAXIMUM MECHANICAL METAL MINIMUM MOLDING MULLION
N N.G. NOM. N/A N.I.C. N.T.S.	NATURAL GRADE NOMINAL NOT APPLICABLE NOT IN CONTRACT NOT TO SCALE
0 0.C. 0PNG. 0.D. 0.F.S. 0.F.C.I.	ON CENTER OPENING OUTSIDE DIAMETER OVERFLOW SCUPPER OWNER FURNISHED, CONTRACTOR INSTALLED
P PT. PTD. PR. PNL. d P.L.	PAINT PAINTED PAIR PANEL PENNY PLASTIC LAMINATE

PLTWD P.S.I.	POUND PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
R	
RAD.	RADIUS
REC. REG.	REGISTER
REQ'D	REQUIRED
R.A.	RETURN AIR
REV.	REVISION ROOF DRAIN
RFG.	ROOFING
RM.	ROOM
RGH. RND.	ROUND
S SCR.	SCREW
SECT.	SECTION
SEL.	SELECT
SIM.	SIMILAR
SLDG.	SLIDING
SM. SPEC	SMOOTH
SPL.	SPLASH
SQ.	SQUARE
5.5. STD.	STAINLESS STEEL STANDARD
STRUC.	STRUCTURE
S.A.	
SUSP. SW.BD.	SWITCHBOARD
т	
TELCO	TELEPHONE COMPANY
T.G.	TEMPERED GLASS
T&G T&B	TONGUE & GROOVE
T.O.	TOP OF
T.O.C.	TOP OF CURB
T.O.D.	TOP OF DECK TOP OF PARAPET
TYP.	TYPICAL
U	
U.N.O.	UNLESS NOTED OTHERWISE
V	
V.	VENT
V.T.R.	VENT THROUGH ROOF
VERT. V.G.	VERTICAL VERTICAL GRAIN
VEST.	VESTIBULE
V.C.T.	VINYL COMPOSITION TILE
V.O.F.	
WC	
W.H.	WATER HEATER
W.P.	WATER PROOF
W.R. WWF	WATER RESISTANT
W.F.	WIDE FLANGE
WDW.	WINDOW
W/O	WITHOUT
WD.	WOOD
]

MATERIALS / SYMBOLS

	PLYWOOD (SECTION)
	WOOD MOLDING
4 4 4 4	CONCRETE (SECTION)
	GYPSUM BOARD (SECTION)
	TILE (PLAN)
	COMPACTED GRAVEL (SECTION)
	COMPACTED SUBGRADE
	STEEL FRAMING (PLAN, SECTION)
	CMU (PLAN, SECTION)
	BRICK VENEER (PLAN, SECTION)
	RIGID INSULATION (SECTION)

AEXXX

3925 SNOW BASIN RD HUNTSVILLE, UTAH 84317



PERMIT/BID DOCUMENTS 07/31/2019

GENERAL NOTES:

WHILE THE DOCUMENTS ARE SEPARATED BY SHEET NUMBERS FOR CONVENIENCE IN REFERENCING DOCUMENTATION, SHEET NAMES AND NUMBERS ARE NOT INTENDED TO DEFINE SCOPE. CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR ALL WORK DESCRIBED IN THE ENTIRE PACKAGE.

IRCA

ARCHITECTS

577 South 200 East

S L C, Utah 84111 ph: (801) 533-2100 jrcadesign.com

CLINIC

SNOWBASIN

INTERMOUNTAIN

317

3925 SNOW BASIN RD HUNTSVILLE, UTAH 84

PROJECT #: 19028

PERMIT/BID DOCUMENTS

07/31/2019

88-131138-03

GENERAL

INFORMATION

GI101

REVISION

DATE

DRAWING INDEX

BUILDING DEMOLITION PLAN MAIN LEVEL FLOOR PLAN MAIN FLOOR REFLECTED CEILING PLAN INTERIOR FINISH DETAILS CASEWORK SECTION DETAILS DOOR & FRAME TYPES / SCHEDULES MECHANICAL SYMBOLS AND LEGEND MAIN LEVEL MECHANICAL AND PLUMBING DEMOLITION PLAN MAIN LEVEL MECHANICAL PLAN

ELECTRICAL SYMBOLS AND NOTES LEVEL 1 ELECTRICAL DEMOLITION PLANS

IMAGING ROOM POWER PLAN



	CODE ANALYSIS	
	Project: INTERMOUNTAIN SNOWBASIN CLINIC Project Address: 3925 SNOW BASIN RD Municipality/Jurisdiction: HUNTSVILLE, UTAH 84317 Owner: INTERMOUNTAIN HEALTHCARE Permit number: xxxxxxxxxx	
	Applicable Codes: 2018 International Building Code 2018 International Energy Conservation Code 2018 International Plumbing Code 2018 International Mechanical Code 2018 National Electric Code NFPA 101 (Current Edition) ANSI A117.1 (Current Edition) 2013 ASHRAE 90.1	<u>A R C H I T E C T S</u> 577 South 200 East S L C, Utah 84111 ph: (801) 533-2100
	Construction Type (circle):	jrcadesign.com
	I-A I-B II-A II-B III-A III-B IV-A IV-B V-A V-B	
	Occupancy Group(s): B Mixed Use (circle): YES NO	
	Section 503 - Allowable Height and Areas Allowable Height of Building as per IBC Table 504.3; FEET - 60 . STORIES - 2	
	Allowable Area per Story as per IBC Table 506.2: <u>Type II B</u>	
	B 27,000 Total Allowable Area = 54,000	
	Actual Height of Building: FEET - <u>36</u> , STORIES - <u>2</u> Actual Building Area = 18,705 sf	
	Entire building is equipped with automatic fire suppression system: <u>Yes</u>	
	Section 506 - Building Area Modification	
	Occupancy Type B Actual 1,798 sf = 1,798 sf Allowable 1,798 (IIB)	
	Non-Separated Occupancies as per IBC 508.3 (circle): YES NO Separated Occupancies as per IBC 508.4 (circle) (YES) NO	
	Section 508.4 - Separation(S) A / B - 1 br	
	<u>Chapter 6 - Fire Resistance Rated Construction</u> Table 601 - Type IIB does not require fire resistance for building elements. Table 602 - Fire separation is greater than 30 feet, no additional fire resistance	
	<u>Chapter 7 - Fire and Smoke Protection</u> Section 707 - Fire barriers required for separated uses per Table 508.4 Section 707.6 - Openings shall be protected per Section 716	
	Section 707.7 - Penetrations snall comply with Section 714 Section 713.14.1 - Elevator lobby not required Design Occupant Load Design Occupant Load as per IBC Table 1004.1.2: 100	
	B: 17 Occupants Total: 17 Occupants	BAS
	Required Egress Width as per IBC 1005.3: Actual Egress Width Provided:	
	Using B @ 17 Occupants 1 per 25 - 610 - 50 (1 fixtures)	
	Gender Neutral = 1 total	317 S
	Drinking Fountains Required - Not Required Drinking Fountains Provided -	LAI RD 184
	Service Sinks Required = 1 Service Sinks Provided = 2	
	Exit Access Travel Distance (Table 1016.2)	
	B: 300' Corridor Width (Table1018.2)	SM on on
	Required minimum: 44 inches Actual minimum: 50 inches	
		3925 HUN
		PROJECT #: 19028
		PERMIT/BID DOCUMENTS
		DATE REVISION
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		88-131138-0301
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TYPE	FILL	DESCRIPTION	FLOOR FINI	SH LEGEND PRODUCT	COLOR	NOTES				
F1		WALK OFF MAT	SHAW CONTRACT	WELCOME II TILE 5T031	CHARCOAL 31519					
F2		VINYL	MANNINGTON COMMERCIAL	BIOSPEC	BEDROCK SR67369	WELD ROD - BORDE VINYL	R			
F3		VINYL	MANNINGTON COMMERCIAL	BIOSPEC	FLAX SR67361	WELD ROD - FIELD \	/INYL			
F4		SEALED CONCRETE	SEALED CONCRETE							
			BASE FINIS	SH LEGEND						
TYPE B1	FILL	DESCRIPTION RUBBER BASE	MANUFACTURER JOHNSONITE	PRODUCT THERMOSET RUBBER B	COLOR ASE MOON ROCK	NOTES		>		
B2 B3		INTEGRAL COVED SHEET VINYL	MANNINGTON COMMERCIAL MANNINGTON	BIOSPEC	FLAX					
]			
TYPE	FILL	DESCRIPTION	WALL FINIS	SH LEGEND	COLOR	NOTES				
W1			SHERWIN WILLIAMS		PURE WHITE SW7005					
W2		FIELD	SHERWIN WILLIAMS		WORLDLY GRAY					
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082					
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082		3			
W2 W3		FIELD ACCENT ACCENT	SHERWIN WILLIAMS SHERWIN WILLIAMS		WORLDLY GRAY SW 7043 DISTANCE SW 7082					







		4	3	2	
	1				' '
BI INTE AEA11 SCALE					
B1 INTEL AE411 SCALE					
B1 INTEL AE411 SCALE					
B1 INTEI AE411 SCALE					
B1 INTEI AE411 SCALE					
B1 INTE AE411 SCALE					
B1 INTE AE411 SCALE					
					B1 INTE AE411 SCALE
$ \begin{array}{c} $			B2 A4 AE571 A4 AE571 AE571	A2 AE571 B3 AE571	
A3 Elevation 7 - a A3 INTERIOR FI EVATION				\parallel \setminus \mid \mid \Box \mid \mid \mid \mid	
$\begin{array}{c} AE411 \\ \hline AE411 \\ \hline SCALE \\ \hline 3/8" = 1'-0" \\ \hline \end{array}$			$\overrightarrow{A3}$ Elevation 7 - a		
			B2 A4 AE571 AE571 AE571	A2 AE571 AE571	





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ARCHITECTS 577 South 200 East 5 L C, Utah 84111 ph: (801) 533-2100 jrcadesign.com
INTERMOUNTAIN SNOWBASIN CLINIC 3325 SNOW BASIN RD HUNTSVILLE, UTAH 84317 HUNTSVILLE, UTAH 84317
DATE REVISION
BB-131138-0301 Gordon A. Clark MC MC MUM
INTERIOR FINISH DETAILS
AE521







	DOOR						FRAME						
	S	SIZE				DETAILS (AE591)			ASSEMBLY				
DOOR	WIDTH	HEIGHT	TYPE	MATL	FINISH	GLAZING	TYPE	MATL	FINISH	HEAD	JAMB	FIRE RATING	NOTES
102A	3'-0"	7'-0"	D2	WD	DF1		F1	HM	FF1	A2	A1		
105A	3'-0 1/2"	7'-0"		WD	DF1		I						SLIDING ASSEMB
106A	3'-0 1/2"	7'-0"		WD	DF1		1						SLIDING ASSEMB
108A	3'-0 1/2"	7'-0"		WD	DF1		1						SLIDING ASSEMB
109A	3'-0 1/2"	7'-0"		WD	DF1		1						SLIDING ASSEMB
110A	4'-0"	7'-0"	D1	WD	DF1		F1	HM	FF1	A2	A1		
110B	3'-0"	7'-0"	D1	WD	DF1		F1	HM	FF1	A2	A1		
111A	3'-0"	7'-0"	D1	WD	DF1		F1	HM	FF1	A2	A1		
113A	3'-0"	7'-0"	D2	WD	DF1		F1	HM	FF1	A2	A1		



WALL AS SCHEDULED CONT. SEALANT, EACH SIDE - H.M. FRAME DOOR AS
 SCHEDULED

B1 9-01 INTERIOR H.M. DOOR HEAD AE601 SCALE 3" = 1'-0"

H.M. FRAME —

DOOR AS SCHEDULED —



DUCTWORK/GRI	<u>LLES</u>
	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
2	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
12X12 200	CEILING SUPPLY DIFFUSER
22X22 200 200 12X12 200	CEILING RETURN REGISTER CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY
→ → → → → → → → → → → → → → → → → → →	W/ SOUND BOOT LINEAR DIFFUSER WITH PLENUM AND FLEX
	CONNECTION. NO. OF SLOTS & SIZE OF SLC ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
<u>× 12/8 FO</u>	DIMENSIONS SHOWN IN INCHES.
	DIMENSIONS SHOWN IN INCHES. ROUND DUCT WITH NET INSIDE DIMENSIONS
W - R × 12/12 8/8 ×	RECTANGULAR TO RECTANGULAR OR ROUN DUCT TRANSFORMATION MAXIMUM 15° INCL
× 12/12 × 12ø 2	EXCEPT WHERE SHOWN OTHERWISE.
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MI R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH
	HIGH EFFICIENCY FITTING
FD.	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL R
\$D	COMBINATION FIRE/SMOKE DAMPER W/ ACC
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	SINGLE DUCT AIR TERMINAL BOX VARIABLE CONSTANT VOLUME. MIN. 1-1/2 TERMINAL IN SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	DUCT SMOKE DETECTOR

4

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

<u>PIPING</u>

PIPING CONTINUED

Ρ	U	

	1	[1	
	SHUT OFF VALVE		FLOW SWITCH	
	BALL VALVE	P	PRESSURE SWITCH	
	BUTTERFLY VALVE	OR	TEMPERATURE AND PRESSURE TEST PORT	
	MOTOR OPERATED BUTTERFLY VALVE	U	THERMOMETER WELL	
	GATE VALVE	0-100 E	THERMOMETER - TEMP RANGE AS INDICATED	
¢	GATE VALVE - NON RISING STEM		PRESSURE GAUGE WITH SHUT OFF PLUG VALVE	
	ANGLE VALVE	म	PRESSURE GAUGE WITH PIGTAIL	
	GLOBE VALVE		UNION	
— ↓ → OR — ()	PLUG VALVE	OR[]	FLANGE	
	SHUT OFF PLUG VALVE FOR FOR USE WITH PRESSURE GAUGE	⊠ OR[⊠]	FLEXIBLE EXPANSION JOINT	
	CHECK VALVE		REDUCER	
	LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN		ECCENTRIC REDUCER	
F&T	F&T=FLOAT & THERMOSTATIC		BRANCH - BOTTOM CONNECTION	(N
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN		BRANCH - TOP CONNECTION	
	PRESSURE REDUCING VALVE EXTERNAL PRESSURE		BRANCH - SIDE CONNECTION	
	PRESSURE REDUCING VALVE SELF CONTAINED	c	RISE OR DROP	
	ATC - 2 WAY VALVE	C	RISER - DOWN (ELBOW)	
	ATC - 3 WAY VALVE	0	RISER - UP (ELBOW)	
	SOLENOID VALVE		PIPE CAP	
	CALIBRATED BALANCING VALVE WITH GPM INDICATED		ARROW INDICATES DIRECTION OF FLOW IN PIPE	
	VENTURI FLOW METER	<u>DN</u>	LEADER INDICATES DOWNWORD SLOPE	
GPM LB/HR.	FLOW METER ORIFICE	<u>f</u> sz	VALVE IN RISE	
	RELIEF VALVE	OR	90° ELBOW	
	AIR VENT-MANUAL		45° ELBOW	
	AIR VENT-AUTO		ALIGNMENT GUIDE	
		X	ANCHOR	<u>-</u>

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

3

EXIBLE DUCT LOT ON TOP,

TO AIR FLOW 15° E WITH RADIUS DF DUCT.

GULAR UND TO ROUND CLUDED ANGLE

ORMATION MIN.

H AREA

REQD.

CCESS PANEL

e or Inlet

2

1

<u>JMBING</u>

	Т
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	F
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₀ FCO COTG	F
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<u> JIPMENT</u> _

ſ	UNIT HEATER
	INLINE PUMP
	INLINE PUMP
9	FAN

<u>FIRE</u>

8	HOSE VALVE
肉	NRS GATE VALVE WITH SUPERVISION
台	FLOW SWITCH
\heartsuit	FIRE RISER
\odot	SPRINKLER HEAD
—F	FIRE SPRINKLER WATER

THERMOSTATIC MIXING VALVE HOSE BIBB FLOOR SINK FLOOR DRAIN FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE ROOF DRAIN DOWNSPOUT NOZZLE VENT THRU ROOF WATER HAMMER ARRESTOR CLEAN-OUT FILL PORT DRAIN PAN AND P-TRAP

TURE FROM LEVEL ABOVE

MOLITION

ANNOTATIONS



PLUMBING FIXTURES

POINT OF CONNECTION

SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.

DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.

EQUIPMENT IDENTIFICATION

KEYED NOTE IDENTIFICATION

SWITCH

SENSOR THERMOSTAT

NIGHT THERMOSTAT

LINETYPES

D
——————————————————————————————————————
——————————————————————————————————————
RD
RDO
RL
RS
— — —

CONDENSATE DRAIN DOMESTIC COLD WATER (DCW) DOMESTIC HOT WATER (DHW) DOMESTIC HOT WATER RETURN (DHWR) EXISTING PIPING EXISTING PIPING TO BE REMOVED ROOF DRAIN ROOF DRAIN OVERFLOW REFRIGERANT LIQUID REFRIGERANT SUCTION SEWER (BELOW GRADE) SEWER (ABOVE GRADE) VENT







- 1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCT SIZES, PIPE SIZES AND LOCATIONS PRIOR TO BEGINNING ANY WORK. IF ANY DISCREPANCIES, ERRORS, CONFLICTS OR CONCERNS ARE UNCOVERED BY THE CONTRACTORS THEY SHALL BRING THEM TO THE OWNER/ENGINEER'S ATTENTION PRIOR TO ANY WORK PROGRESSING FOR RESOLUTION.
- 2. OUTDOOR UNITS TO MAINTAIN 4-FEET CLEAR OF ELECTRICAL TRANSFORMER.
- 3. ROUTE OUTSIDE AIR DUCT UP TO SKI PATROL OFFICE ABOVE. ROUTE DUCT TO BELOW CEILING ABOVE AT HIGHEST CEILNIG SLOPE AND TERMINATE WITH ELBOW AND 6X6 DUCT MOUNTED GRILLE. BALANCE TO 100 CFM.
- 4. LOCATE WU-2/012 ON WALL CENTERED ABOVE WINDOW IN SKI PATROL OFFICE. COORDINATE THERMOSTAT LOCATION WITH SNOWBASIN.
- 5. BALANCE OUTSIDE AIR CFM AS INDICATED. LOCATE IN ACCESSIBLE LOCATION. COORDINATE WITH ARCHITECT. (TYPICAL)
- 6. LOCATE TOP OF LOUVER TO MATCH EXISTING LOUVER HEIGHT ON ADJACENT WALL. COORDINATE LOCATION WITH ARCHITECT.
- MAINTAIN 4'-0" CLEARANCE FROM UNIT DISCHARGE PER NATIONAL ELECTRICAL CODE.
- MAINTAIN SNOW REMOVAL FROM REQUIRED CLEARANCE AREAS.
- 9. LOCATE UNIT TO BE CLEAR OF ROOF SNOW FALL LINE.
- 10. BRANCH DUCT AND DIFFUSER, GRILLE OR REGISTER NECK SIZE SHALL BE THE SAME SIZE, UNLESS OTHERWISE NOTED. (TYP).
- 11. COORDINATE CEILING SPACE WITH REQUIRED CONDUIT FOR X-RAY MACHINE.
- ORIENT ELBOW OPENING TOWARD CEILING.
 LOCATE FAN COIL UNIT ABOVE CEILING TO ALLOW FOR 18-INCH X 18-INCH REQUIRED ACCESS, VERIFY WITH MANUFACTURER. (TYPICAL)
- 14. COORDINATE DUCTWORK BETWEEN FLOOR JOISTS AT THIS APPROXIMATE LOCATION.
- 15. COORDINATE REFRIGERANT PIPING WITH OWNER, TENANT AND ARCHITECT TO MINIMIZE IMPACT TO EXTERIOR AT PENETRATION AT BUILDING.
- 16. MAINTAIN BRANCH CONTROLLER CLEARANCES, VERIFY WITH MANFACTURER.

CONCEALED FAN

COIL UNIT

4

FLEXIBLE CONNECTION ¬

				ELECTRICAL		PHYSICAL		
						WIDTH	HEIGHT	
ID	MANUFACTURER	MODEL NUMBER	STAGES	KW	VOLT/PH/HZ	(IN)	(IN)	NOTES
EC-02	TUTCO DHC	DHC	2	2	208 / 3 / 60	53.5	7.06	1, 2, 3, 4, 5, 6, 7, 8

1. INCLUDE CN-24 RELAY KIT TO CONTROL DUCT HEATERS AS SECOND STAGE TO THE VRF FAN COILS.

2. INCLUDE FAN INTERLOCK WITH AUTOMATIC LIMIT SWITCH FOR PRIMARY OVER TEMPERATURE PROTECTION.

3. INCLUDE MANUAL RESET LIMIT SWITCH FOR SECONDARY OVER TEMPERATURE PROTECTION.

4. ALL CONTROL BOXES TO BE INSTALLED ON RIGHT HAND TO UTILIZE SAME ACCESS AS FAN COIL UNIT. 5. INCLUDE AIR FLOW SWITCH TO PREVENT HEATER FROM BEING ENERGIZED WHEN FAN IS NOT ON.

6. BASIS OF DESIGN AIR TEMPERATURE RISE IS 20 DEG F.

7. COORDINATE LOCATIONS WITH ELECTRICAL.

8. MAINTAIN CLEARANCE IN FRONT OF THE HEATER ELECTRICAL PANELS TO COMPLY WITH THE NATIONAL ELECTRIC CODE.

4

				VKF BI	RANCH CONT	ROLLER	SCHEDULE
					ELECTRICAL		
					MINIMUM		
	MANUFACTURER			NUMBER	CIRCUIT		
	AND	TYPE		OF	AMPACITY	VOLTS/	
ID	MODEL NUMBER	(MAIN/SUB)	REFRIGERANT	PORTS	(MCA)	PHASE	NOTES
BC-8	MITSUBISHI TCMBM0108JA11N4	MAIN	R-410A	8	1.65	208 / 1	1, 2, 3

1. PROVIDE WITH DIAMONDBACK BALL VALVES, BV-SERIES, FULL-PORT, R-410A RATED. 2. PROVIDE WITH MINI-ORANGE 230, 0.11A, 16 W, 60 HZ, 0.5 GPM @ 8 Ft. OF HEAD. 3. PROVIDE WITH FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.

								FAN S	SCHEDULE	
				AIR ELECTRICAL						
				MAXIMUM]	
				AIRFLOW	STATIC	MOTOR	MOTOR			
				RATE	PRESSURE	SIZE	SPEED			
ID	MANUFACTURER	MODEL NUMBER	TYPE	(CFM)	(IN. WATER)	(HP)	(RPM)	VOLT/PH/HZ	NOTES	
EF-1	COOK	90SQN15D	INLINE	250	0.50	1/6	1710	120/1	1,2	

1. CONTROL FAN WITH A LINE VOLTAGE THERMOSTAT. WIRING AND T-STAT BY ATC CONTRACTOR 2. PROVIDE WITH 0-10 VDC CONTACTS FOR REMOTE SPEED CONTROL.

3

					COOLING CAPACITY			HEATING CAPAC	ITY		COIL ELECTRICAL				PHYSICAL			
				MAX		RATED	RATED	DESIGN		RATED			MINIMUM			DEPTH /		
				STATIC	NOMINAL	TOTAL	SENSIBLE	ENT AIR TEMP	NOMINAL	TOTAL	DESIGN		CIRCUIT			LENGTH /		
IDENTIFICATION	MANUFACTURER	MODEL NUMBER	AIRFLOW	PRESSURE	LOAD	LOAD	LOAD	DB/WB	LOAD	LOAD	ENT AIR TEMP	REFRIG.	AMPACITY	TOTAL	VOLTS/	HEIGHT	WEIGHT	
			(CFM)	(IN. WATER)	(BTU/H)	(BTU/H)	(BTU/H)	(°F)	(BTU/H)	(BTU/H)	(°F)	TYPE	(MCA)	(MOCP)	PHASE	(IN)	(LBS)	NOTES
FC-06	TRANE MITSUBISHI	TPEFYP006MA143A	300	0.6	6,000	4,689	4,689	80 / 67	6,700	3,277	70	R-410A	1.05	15	208 / 1	30 / 30 / 10	50	1, 2
FC-08	TRANE MITSUBISHI	TPEFYP008MA143A	300	0.6	8,000	6,253	5,766	80 / 67	9,000	6,929	70	R-410A	1.05	15	208 / 1	30 / 30 / 10	50	1, 2
FC-12	TRANE MITSUBISHI	TPEFYP012MA143A	400	0.6	12,000	9,377	7,300	80 / 67	13,500	6,604	70	R-410A	1.20	15	208 / 1	30 / 30 / 10	50	1, 2
WU-08	TRANE MITSUBISHI	TPKFYP008HM142A	413	-	8.000	6.253	6.167	80 / 67	9.000	6.929	70	R-410A	0.38	15	208 / 1	10 / 40 / 15	30	1
WU-12	TRANE MITSUBISHI	TPKFYP012HM142A	413	-	12,000	9,377	7,806	80 / 67	13,500	6,604	70	R-410A	0.38	15	208 / 1	10 / 40 / 15	30	1

1. COORDINATE WITH ELECTRICAL TO PROVIDE FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.

2. PROVIDE SPARE FILTERS.

									VKF	JUIDOOR		EDULE - A	
				TOTAL	TOTAL	SUMMER	WINTER	ELECTRICAL					
				NOMINAL	NOMINAL	AMBIENT	AMBIENT	MINIMUM			HEIGHT /		
				COOLING	HEATING	AIR TEMP.	AIR TEMP.	CIRCUIT			WIDTH /		
				CAPACITY	CAPACITY	DB/WB	DB/WB	AMPACITY		VOLTS/	DEPTH	WEIGHT	
ID	MANUFACTURER	MODEL NUMBER	REFRIGERANT	(BTUH)	(BTUH)	(°F)	(°F)	(MCA)	MOCP	PHASE	(IN)	(LBS)	NOTES
CU-096	TRANE MITSUBISHI	TURYH0963AN40AN	R-410A	96,000	108,000	88 / 67	-16	44	70	208 / 3	75 / 50 / 30	600	1, 2, 3, 4, 5

1. UNIT SHALL BE CAPABLE OF OPERATION DOWN TO -25°F.

2. DUAL ELECTRICAL CONNECTION. 3. PROVIDE WITH FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.

4. PROVIDE WITH SNOW HOODS AND HAIL GUARDS.

5. PROVIDE WITH BASEPAN HEATER.

					HEATING			ELECTRICAL					PHYSICAL		
				TOTAL	ENTER/										
			OUTSIDE	STATIC	LEAVING								LENGTH /		
			AIR FLOW	PRESSURE	AIR TEMP.	HEATING	ELECTRIC						WIDTH /		
			RATE	DROP	DB	LOAD	HEATING COIL				MOTOR		HEIGHT	WEIGHT	
ID	MANUFACTURER	MODEL NO.	(CFM)	(IN H20)	(DEG. F)	(MBH)	(KW)	MCA	MOCP	V/PH	HP	FILTERS	(IN)	(LBS)	NOTES
DOAS-1	TRANE	BCHD036E1**A1404Z2110ABA	750	0.6	20 / 66.4	37.56	11	44	4.6	208/3	1	MERV 13	35/40/20	220	1,2,3

1. PROVIDE WITH DISCONNECT. DISCONNECT INSTALLED BY DIVISION 26.

2. FACTORY WIRED GFI OUTLET, REQUIRES SEPARATE 120V/1PH CONNECTION.

3. INTERLOCK WITH OUTSIDE AIR ATC DAMPER.

			COOLING						FAN		EFFICIENCY	REFRIGERANT LINES			
			CAPACITY		CFM	DIMENSIONS	WEIGHT	AMPS	MOTOR		MINIMUM				
ID	MANUFACTURER	MODEL NUMBER	(BTU)	LOCATION	RANGE	W" x H" x D"	(LBS.)	(MCA)	FLA	VOLTS/PH/HZ.	SEER @ ARI	REFRIGERANT	LIQUID	GAS	NOTES
ACI-012	MITSUBISHI	PKA-A12HA	10.000	INDOOR	530	34 x 34 x 12	46	1.0	0.36	200 220 / 1 / 60	07	D 4104	1/4	1/0	1004567
ACO-012	MITSUBISHI	PUY-A12NHA3	12,000	OUTDOOR	-	33 x 12 x 25	92	11	0.50	208-23071700	21	R-410A	1/4	1/2	1,2,3,4,3,0,7

1. CONDENSING UNIT TO BE SIZED MATCHED TO INDOOR UNIT AND TO BE BY SAME MANUFACTURER AS INDOOR UNIT. 2. PROVIDE FACTORY MOUNTED STAND FOR CONDENSING UNIT.

3. PROVIDE FACTORY WIND BAFFLE AND LOW AMBIENT HEAD CONTROLLER TO ALLOW COOLING OPERATION DOWN TO 0 DEG. F. D.B.

4. WIRELESS REMOTE CONTROLLER. PROVIDE WALL MOUNTED HOLDER.

5. PROVIDE ACCESSORY CONDENSATE PUMP FOR INDOOR UNIT.

6. INDOOR UNIT IS TO BE POWERED FROM OUTDOOR UNIT.

7. PROVIDE WITH FUSED DISCONNECT, TO BE INSTALLED BY DIVISION 26.

ELECTRIC WALL HEATER

			AIR	ELECTRICAL			
			AIRFLOW			VOLTS/	
			RATE			PHASE/	
SYMBOL	MANUFACTURER	MODEL NUMBER	(CFM)	KW	AMPS	HZ	NOTES
EWH-1	MARLEY	CWH3150F	100	1.5	12.5	120/1	1

NOTE: UNLESS NOTED OTHERWISE CD-1 TYPICAL SQUARE DIFFUSER; RG-1 TYPICAL RETURN AIR GRILLE; EG-1 TYPICAL EXHAUST GRILLE

				GRILLES, REGISTERS AND DIFFUSERS
			MAX	
ID	MANUFACTURER	MODEL	NC	DESCRIPTION
CD-1	EH PRICE	SPD	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE, C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
RG-1 EG-1	EH PRICE	PDDR	30	REMOVABLE FACE AND CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. UNITS SHALL HAVE 1/2" x 1/2" x 1/2" SQUARES. NECK SIZE SHALL BE 22X22 UNLESS NOTED OTHERWISE. PROVIDE WITH FILTER UNLESS NOTED OTHERWISE.
SWR-1	EH PRICE	535	30	SIDEWALL RETURN AIR GRILLE. HORIZONTAL STATIONARY 45 DEG DEFLECTION VANES SET ON 1/2 INCH CENTER, COMPLETE WITH OBD ADJUSTABLE THROUGH FACE.

VRF INDOOR UNIT SCHEDULE

DEDICATED OUTSIDE AIR UNIT

SPLIT SYSTEM A/C UNITS

		CW	HW	W	V	SPECIFICATION	
ID	FIXTURE	(IN)	(IN)	(IN)	(IN)		
						FIXTURE:	ELKAY LRADQ151756PD 12" X 12" X 5-1/2" I.D. COUNTER MOUNT 18 GA. STAINLESS STEEL
SINGLE COMPARTMENT SINK,	SINGLE COMPARTMENT SINK,	1/0	1/2	2	1 1/2	FAUCET:	CHICAGO 895-GN2AFCABCP FAUCET, WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING
5-1	COUNTER MOUNTED	1/2	172	2	1 1/2	ACCESSORIES:	PROVIDE WATTS NO. 7C DUAL CHECKS IN HOT AND COLD SUPPLIES. PROVIDE VANDAL R REQUIREMENTS.
FD-1	FLOOR DRAIN	-,-	-:-	2	2	FIXTURE:	SMITH 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6
ICE-1	ICE MACHINE CONNECTION	3/4	-;-	2	2	FIXTURE:	LSP OB-8010 PLASTIC ICEMAKER BOX WITH QUARTER TURN BALL VALVE WITH 1/4" OUTL
1. ALL UNDER GR	OUND WASTE AND VENT SHALL BE 2" OR G	REATER PEF	R DRAWINGS.				

- 1. DOUBLE CHECK VALVE ASSEMBLY
- 2. FLOW SWITCH TO HORN STROBE ALARM, WIRING BY DIVISION 28.
- 3. WATER PRESSURE GAGE
- 4. TO WET SYSTEM.
- 5. CONTROL VALVE WITH TAMPER SWITCH, WIRING BY DIVISION 28.
- 6. TO FIRE DEPARTMENT CONNECTION. BALL-DRIP AT LOW POINT, DISCHARGE TO EXTERIOR OR FLOOR DRAIN.
- $\overline{8}$ 7. MAIN DRAIN PIPED TO EXTERIOR.
- 8. CHECK VALVE
- FIRE LINE FROM SUPPLY. PROVIDE GALVANIZED PIPING UP TO VALVE ASSEMBLY. PROVIDE RESTRAINTS, FLEXIBLE COUPLINGS, AND ANNULAR CLEARANCE AS REQUIRED BY NFPA.
- 10. MAINTENANCE VALVE

4

NOTE: PER UTAH AMENDMENT THERE SHALL BE 12-INCHES CLEAR AROUND AND 36-INCHES CLEAR IN FRONT.

EL SINK WITH 3 HOLES ON 4" CENTERS DRILLING.

IG GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT.

RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HANDI-LAV GUARD" PROTECTOR TO MEET ADA

2

6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE AND TRAP GUARD.

WATER HEATER SCHEDULE									
			ELECTRICAL						
					HEIGHT/				
					WIDTH/ DEPTH				
ID	MANUFACTURER	MODEL NUMBER	(KW)	V/PH	(IN)	NOTES			
IWH-M	EEMAX	SPEX3512T ML	3.5	120/1	10 / 6 / 3	-			
IWH-S	EEMAX	SPEX3512T	3.5	120/1	10 / 6 / 3	-			

BRANCH WATER LINE SCHEDULE

	FIXTURE		QUANTITY	OF FIXTURE	ES SERVED BY		
FIXTURE	UNITS	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
WATER CLOSET (FLUSH VALVE)	10			1	3	5	15
WATER CLOSET (TANK TYPE)	3	1	2	4	10		
URINAL	5		1	2	6	10	30
LAVATORY	2	1	3	6	15	25	
SERVICE SINK	4		1	3			
QUANTITY OF FIXTURE UNITS SERVED BY		3	6	12	30	50	150

NOTE:

WHERE PIPING IS SIZED ON DRAWINGS IT SHALL BE FOLLOWED. OTHERWISE INSTALL

ACCORDING TO TABLE. WHERE FIXTURES ON A BRANCH ARE MIXED. TAKE THE SUM OF FIXTURE UNITS TO DETERMINE SIZING. THE BRANCHES SHALL BE REDUCED AS THE LOAD IS TAKEN OFF. MINIMUM SIZE TO ONE (1) FIXTURE SHALL BE 1/2".

	ELECTRICAL SYMBOL SCHEDULE		1		ELECTRICAL SYMBOL SCHED	ULE
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS	SYMBOL	DEVICE/FIXTURE DESCRIPTION	МО
XXX X	MECHANICAL/PLUMBING EQUIPMENT CALLOUT				TELEPHONE OUTLET, SINGLE PORT	18"
(X-1)	KITCHEN EQUIP. CALLOUT			₩	TELEPHONE OUTLET, CUSTOM HEIGHT	
	KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH.		1			18"
\odot	LUMINAIRE TYPE			•	DATA OUTLET, CUSTOM HEIGHT	
	DIAGRAM/DETAIL CALLOUT		1		DUAL DATA AND SINGLE TELEPHONE PORT	18"
	HOME RUN TO PANEL		1	4	CUSTOM HEIGHT	
]	CONDUIT STUB		1	▼#	DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY	18"
<u> </u>	CONDUIT BREAK/CONTINUATION				TELEPHONE OUTLET, SINGLE PORT, FLOOR MOUNTED	FLOC
•	CONDUIT STUB DOWN		,		DATA OUTLET, DUAL PORT, FLOOR MOUNTED	FLOO
0	CONDUIT STUB UP		ı	۲	TELEVISION OUTLET	AS N
	FUSE			+	NURSE CALL STATION, SINGLE BED	4'-11'
\downarrow	GROUND/GROUND ROD		1	-#•	NURSE CALL STATION, DOUBLE BED	4'-11'
$\overline{\ }$	CIRCUIT BREAKER		1	-X •	NURSE CALL STATION, EMERGENCY	4'-11'
					NURSE CALL STATION, CODE BLUE	4'-11
				-+->	NURSE CALL STATION, MICROPHONE/SPEAKER UNIT	4'-11
			1		NURSE CALL PULL CHAIN	ASN
- 1			, 		NURSE CALL DOME LIGHT	CEIL
			I.	4	NURSE CALL DOME LIGHT, WALL	WAL
					SPEAKER	CEIL
	Λ R R D E \// Λ ΤΙΛΝΟ		1		SPEAKER WALL	
A AMF	PS ENT ELEC. NON-METAL.	NL NIGHT L	IGHT, BYPASS			ASN
NFC AVA CURRENT	ILABLE FAULT TUBING ER EXISTING TO BE	LOCAL SWITCH PC PLUMBI	ING NG			4-0
AFF ABO FLOOR	VE FINISHED RELOCATED EX EXISTING TO REMAIN	CONTRACTOR POC POINT (F CONNECTION			AS N
AFG ABO GRADE	OVE FINISHED FMC FLEXIBLE METAL	POS POINT C	F SALE		MICROPHONE, FLOOR	FL00
AIC AMP	PS INTERR. GC GENERAL CONTRACTOR	RM ROOF M			BELL, WALL	AS NO
AWG AME	GEC GRND. ELEC. COND. AT ERICAN WIRE SES	RIVIC RIGID M CONDUIT			CHIME, WALL	AS N
GAU BC BAR	GE GFCI GRND. FLT. CURR. E COPPER INTERR.	KNC RIGID N COND.		X B	DOORBELL, VISUAL INDICATOR	7'-6"
SFC BEL CEILING	UW FINISHED GND GROUND IMC INTER. METAL CONDUIT	SBJ SYSTEN JUMPEF	I BONDING	8	SECURITY CAMERA, FIXED	CEILI
BFG BEL GRADE	OW FINISHED IG ISOLATED GROUND KCMIL 1000 CIRCULAR	SCA SHORT AMPERES	CIRCUIT	۹	SECURITY CAMERA, PTZ	CEILI
CON CND CON	IDUIT MILS (MCM) IDUIT LFMC LIQUID-TIGHT FLEX.	T TRANSI TC TEMP. C	NITTER	ю	SECURITY CAMERA, FIXED, WALL	AS N
CO CON	IDUIT ONLY METAL. COND.	UG UNDER	GROUND	ŀ@	SECURITY CAMERA, PTZ, WALL	AS N
RANSDUC	ER NON-METAL. COND. DEEP MATERIAL MC MECHANICAL		MPS	CR	CARD READER	4'-0"
DED DED	VICATED CONTRACTOR	VIF VERIFY	IN FIELD	\Diamond	DOOR CONTACT	DOOI
EC ELE	CTRICAL N1 NEMA 1	3R		- K	KEYPAD	+48"
CONTRACTO	OR N3R NEMA 3R	XP EXPLOS				
	AUST FAN N NEW	XR EXISTIN	G TO BE		MOTION SENSOR - CEILING	CEILII
M EME ATTERY	R./EGRESS	XR EXISTIN REMOVED	G TO BE	MDF	MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME	CEILII 6'-6" 1
M EME ATTERY MT ELE	C. METALLIC TUBING	XR EXISTIN REMOVED	G TO BE		MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME	CEILII 6'-6" 7 6'-6" 7
M EME ATTERY MT ELE (1) SE	C. METALLIC TUBING ELUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS.	XR EXISTIN REMOVED	G TO BE	MDF IDF	MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME MAIN TELEPHONE BOARD	CEILII 6'-6" 1 6'-6" 1 6'-6" 1
M EME ATTERY MT ELE (1) SE (2) SE (3) WI	C. METALLIC TUBING C. METALLIC TUBING ELUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. ELUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. RE LIGHT FIXTURE FROM ADJACENT J-BOX	XR EXISTIN REMOVED	G TO BE		MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME MAIN TELEPHONE BOARD SECURITY PANEL, SURFACE	CEILII 6'-6" 7 6'-6" 7 6'-6" 7 AS NO
1 EME TTERY 1T ELE 1) SE 2) SE 3) WI 1) CC 5) DII	C. METALLIC TUBING C. METALLIC TUBING E LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. E LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. RE LIGHT FIXTURE FROM ADJACENT J-BOX DNNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLA RECTIONAL ARROWS INDICATE REQUIRED CHEVRONS.	XR EXISTIN REMOVED	G TO BE		MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME MAIN TELEPHONE BOARD SECURITY PANEL, SURFACE SECURITY PANEL, RECESSED	CEILI 6'-6" 1 6'-6" 1 6'-6" 1 AS NO AS NO
EME TTERY T ELE SE SE SE C C C C C C C C C C C C C C C	C. METALLIC TUBING C. METALLIC TUBING E LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. E LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. RE LIGHT FIXTURE FROM ADJACENT J-BOX DNNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLA RECTIONAL ARROWS INDICATE REQUIRED CHEVRONS. DORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATION SE WITH POWER BACK	XR EXISTIN REMOVED			MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME MAIN TELEPHONE BOARD SECURITY PANEL, SURFACE SECURITY PANEL, RECESSED SMOKE DETECTOR	CEILII 6'-6" 1 6'-6" 1 6'-6" 1 AS NO AS NO
EME TERY ELE SE SE WI dC DI CC US	C. METALLIC TUBING C. METALLIC TUBING E LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. E LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. RE LIGHT FIXTURE FROM ADJACENT J-BOX DNNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLA RECTIONAL ARROWS INDICATE REQUIRED CHEVRONS. DORDINATE MOUNTING HEIGHT_WITH ARCHITECTURAL_INTERIOR ELEVATION SE WITH POWER PACK. " IN SYMBOL IS INCHES BETWEEN RECEPTACLE ALONG WIREWAY. SEE DR DOWNER IN LIGTED DEVICE COMPATING FUTURE FINE ALADM DANEL (2000)	XR EXISTIN REMOVED			MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME MAIN TELEPHONE BOARD SECURITY PANEL, SURFACE SECURITY PANEL, RECESSED SMÖKE DETECTOR DUCT SMOKE DETECTOR	CEILI 6'-6" 1 6'-6" 1 6'-6" 1 AS NO AS NO CEILI
1 EME ITTERY 11 ELE 11 SE 22 SE 33 WI 40 CC 55 DII 61 CC 71 US 80 "X" 90 PR 101 MAT(C. METALLIC TUBING C. METALLIC TUBING E LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. E LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. RE LIGHT FIXTURE FROM ADJACENT J-BOX DNNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLA RECTIONAL ARROWS INDICATE REQUIRED CHEVRONS. DORDINATE MOUNTING HEIGHT_WITH ARCHITECTURAL_INTERIOR ELEVATION SE WITH POWER PACK. " IN SYMBOL IS INCHES BETWEEN RECEPTACLE ALONG WIREWAY. SEE DR ROVIDE UL LISTED DEVICE COMPATIBLE WITH THE FIRE ALARM PANEL/SYS CH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUL	XR EXISTIN REMOVED			MOTION SENSOR - CEILING MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME MAIN TELEPHONE BOARD SECURITY PANEL, SURFACE SECURITY PANEL, RECESSED SMÖKE DETECTOR DUCT SMOKE DETECTOR FIRE/SMOKE DAMPER	CEILII 6'-6" 7 6'-6" 7 6'-6" 7 AS NO AS NO CEILII SEE M
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SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
(S) (D) (Q)	(S) SIMPLEX (D) DUPLEX (Q) QUADPLEX OR DOUBLE DUPLEX	- '	I
Φ Φ ₱	STANDARD CONVENIENCE OUTLET	18"	
• • •	CONVENIENCE OUTLET, GFCI	18"	
• • •	STANDARD CONVENIENCE OUTLET, EMERGENCY	18"	
♥ ♥ ♥	STANDARD CONVENIENCE OUTLET, SWITCHED	18"	
Ô	STANDARD CONVENIENCE OUTLET, CUSTOM HEIGHT		
\$ \$ \$	CONVENIENCE OUTLET, GFCI, CUSTOM HEIGHT		
ØØ₽₽	CONVENIENCE OUTLET, ISOLATED GROUND	18"	
₫ @ ₽	CONVENIENCE OUTLET, FLOOR	FLOOR	
0 @ ⊕	CONVENIENCE OUTLET, CEILING	CEILING	
•	2 CIRCUITS TO EACH DEVICE	18"	
$\mathbf{\nabla}\mathbf{\nabla}$	COMBINATION POWER/COMMUNICATION FLOOR BOX	FLOOR	
•	SPECIAL PURPOSE OUTLET		
Ø	DIRECT CONNECTION TO EQUIPMENT		
	CORD DROP OUTLET	SUSPENDED	
	POWER/VOICE-DATA SERVICE POLE	AS NOTED	
		1	
	VARIABLE FREQUENCY DRIVE		
	INANSIENT VOLTAGE SOFFRESSION		(12)
			(12)
		ASNOTED	(12)
		FLOOR	(12)
<u>но</u>	CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT		(*)
S [™]	TERMINAL OVERLOAD PROTECTION	1	
S	SWITCH WITH PILOT LIGHT		
S	MANUAL SWITCH WITH THERMAL OVERLOAD		
s [×]	SINGLE POLE DOOR SWITCH	1	
•	PUSH BUTTON SWITCH, SINGLE	AS NOTED	
00	PUSH BUTTON SWITCH, DOUBLE	AS NOTED	
000	PUSH BUTTON SWITCH, TRIPLE	AS NOTED	
Ð	EMERGENCY POWER OFF (EPO) SWITCH		
C	NON-FUSED DISCONNECT SWITCH		(13) (14)
Ē	FUSED DISCONNECT SWITCH		(13) (14)
\boxtimes	MAGNETIC STARTER		(13) (14)
ď	MAGNETIC STARTER WITH FUSED DISCONNECT		(13) (14)
R	MAGNETIC STARTER WITH BREAKER DISCONNECT	1	(13) (14)
R	POWER RELAY	1	(13) (14)
6	MOTOR OUTLET	1	
(Q)	MOTOR OUTLET, ROOF MOUNTED	ROOF	
	LIGHTNING PROTECTION AIR TERMINAL	ROOF	
. 🕢 .			
- (•) - (•)	LIGHTNING PROTECTION BOND PLATE		
· (•) · ·	LIGHTNING PROTECTION BOND PLATE	GROUND	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU	GROUND	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU UTILITY POWER POLE	GROUND SEE PLANS	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU UTILITY POWER POLE TRANSFORMER	GROUND SEE PLANS SEE PLANS	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU UTILITY POWER POLE TRANSFORMER EMERGENCY GENERATOR	GROUND SEE PLANS SEE PLANS SEE PLANS	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU UTILITY POWER POLE TRANSFORMER EMERGENCY GENERATOR CABLE TRAY	GROUND SEE PLANS SEE PLANS SEE PLANS	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU UTILITY POWER POLE TRANSFORMER EMERGENCY GENERATOR CABLE TRAY MAIN DISTRIBUTION POWER PANEL	GROUND SEE PLANS SEE PLANS SEE PLANS	
	LIGHTNING PROTECTION BOND PLATE LIGHTNING PROTECTION GROUND ROD POKETHRU UTILITY POWER POLE TRANSFORMER EMERGENCY GENERATOR CABLE TRAY MAIN DISTRIBUTION POWER PANEL PANEL BOARD. SURFACE	GROUND SEE PLANS SEE PLANS SEE PLANS 6'-6" TO TOP	(15)

2

	ELECTRICAL SYMBOL SCHEDULE	1	
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
•	LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	LINEAR CRITICAL LIFE LIGHT FIXTURE	CEILING	(1) (2) (3) (4) (16)
	LINEAR LIFE SAFETY LIGHT FIXTURE	CEILING	(1) (2) (3) (4) (16)
Ø	RECESSED LIGHT FIXTURE	CEILING	(1) (3)
	RECESSED EMERGENCY LIGHT FIXTURE	CEILING	(1) (3)
D	RECESSED WALL WASH LIGHT FIXTURE	CEILING	(1) (3)
0	CEILING LIGHT FIXTURE	CEILING	(1) (2)
0	PENDENT LIGHT EMERGENCY	CEILING	(1) (2)
0	PENDENT/CHANDELIER LIGHT FIXTURE	SUSPENDED	(1) (2) (3)
Ю	WALL LIGHT FIXTURE, SURFACE	AS NOTED	(1) (2)
	WALL LIGHT FIXTURE, RECESSED	AS NOTED	(1) (2)
	TRACK LIGHT FIXTURE WITH TRACK	CEILING	(1) (2) (3)
★	CEILING FAN	SUSPENDED	
Ŵ	FLOOD/LANDSCAPE/MONUMENT LIGHT FIXTURE	GROUND	(1) (2) (3)
~□	AREA LIGHT FIXTURE	POLE	(1) (2)
Ю	EXIT SIGN, WALL	<u>7'-6" _</u>	(1) (2) (4) (5)
\otimes	EXIT SIGN	CEILING	(1) (4) (5)
	EMERGENCY LIGHT FIXTURE, WALL	7'-6"	(1) (2)
P	PHOTO-ELECTRIC CELL	AS NOTED	
P	POWER PACK	CEILING	
(SP)	SLAVE PACK	CEILING	
MP	MINI POWER PACK	CEILING	
۲	DUAL TECHNOLOGY VACANCY SENSOR	CEILING	(7)
HÐ	DUAL TECHNOLOGY VAC. SENSOR, WALL	AS NOTED	(7)
HÐ	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 1-BUTTON	4'-0"	(7)
H	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 2-BUTTON	4'-0"	(7)
۲	DAYLIGHT SENSOR	CEILING	
٢	MOTION SENSOR	AS NOTED	
۲	PASSIVE INFRARED SENSOR	CEILING	
S	SINGLE POLE SWITCH	4'-0"	
s ²	DOUBLE POLE, SINGLE THROW SWITCH	4'-0"	
s ³	THREE WAY SWITCH	4'-0"	
Sa 3	THREE WAY SWITCH ATTRIBUTE SIGNIFIES FIXTURE SWITCHING	4'-0"	
s ⁴	FOUR WAY SWITCH	4'-0"	
ŝ	DIMMER SWITCH	4'-0"	
\$	LOW VOLTAGE SWITCH	4'-0"	
sĸ	KEYED SWITCH, SINGLE POLE	4'-0"	(15)
S	7-DAY TIMER SWITCH, SINGLE POLE	4'-0"	(15)
- TC -	TÎME ĈLOĆK	AŜ NOTED	
\boxtimes	LIGHTING CONTROL PANEL, SURFACE	6'-6" TO TOP	
	LIGHTING CONTROL PANEL, RECESSED	6'-6" TO TOP	

3

MOUNTING COMMENTS

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6'-6" TO TOP

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7'-6" AFF

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EE001	ELECTRICAL SYMBOLS AND NO	OTES
EE501	ELECTRICAL DETAILS	1
EE502	ELECTRICAL DETAILS	i.
ED101	LEVEL 1 ELECTRICAL DEMOLIT	ION PLANS
EL101	LIGHTING PLAN	1
EP101	POWER PLAN	1
EP111	HVAC POWER PLAN	I.
EP112	IMAGING ROOM POWER PLAN	i.
EP102	POWER PLAN	1
EY101	SYSTEMS PLAN	1
EE601	ONE-LINE DIAGRAM	
EE602	PANEL SCHEDULES	1
		1

<u>A R C I</u> 577 So S L C, ph: (80 jrcade	HITECTS uth 200 East Utah 84111 1) 533-2100 esign.com
INTERMOUNTAIN SNOWBASIN CLINIC	3925 SNOW BASIN RD HUNTSVILLE, UTAH 84317
	CT #: 19328
TICENSED B F F C F F C F F C F F C F F C F F C F	FESSION No. 15071 ELAINE AWSON T/31/2019
ELE SYME N	CTRICAL 3OLS AND OTES
EE	E001

VAN BOERUM & FRANK ASSOCIATES, INC. CONSULTING ENGINEERS								
Salt Lake	City	801.530.3148 T						
330 South 3	00 East	801.530.3150 F						
Salt Lake City, UT 84111								
VBFA Project Number: 19328								

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R	VAN & FR/ ASSOC CONSUL	BOERU ANK IATES, ING								
/ W W . V B F .	A.COM									
alt Lake	alt Lake City 801.530.3									
30 South	300 East	801.530.3								
alt Lake City, UT 84111										

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D		CONDUCTOR & CONDUIT SCHEDULE - COPPER TYPE CONDUCTOR CONDUCTOR SIZE EQ OND SIZE 400-4 40 1 4 6 10 3/4" 400-4 400 21 74 #3/10 3 2/1/2" GENERAL NOTES:	KEYED NOTES TYPE KVA AMPERES 1 112 112.5 136 312 3 1 GENERAL NOTES: • REPRESENTATIVE OF STEP-DOWN DRY-TYPE TRAMPRIMARY) AND 2089/120V (WYE SECONDARY), 3 PH 9 GROUNDING ELECTRODE CONDUCTOR SHALL BE CONDUITS IN ACCORDANCE WITH 2014 NE • SIZE ALL CONDUITS IN ACCORDANCE WITH 2014 NE • COPPER THW FOR PRIMARY FEEDERS. • COPPER THW FOR PRIMARY FEEDERS.	PRIMARY FEEDER CONDUIT GND ELECTRODE Y SIZE E.G. SIZE SIZE CONDUIT #1/0 6 1-11/2" #1/0 3/4" INSFORMERS CONFIGURED TO 480V (DELTA 1 1 ASE. 1 1 1 DF TYPE THHN CU IN EMT CONDUIT. 1 1 1 EC CHAP 9, TABLE 1. 1 1 1	# K
clinic ELEC v20 mmetroka.rvt			$\begin{bmatrix} PANE \\ HDP \\ (EX) \\ \vdots \\ \vdots \\ 112.5 \text{ KVA 480 - 120/208 30-DRY} \\ TRANSFORMER \\ 40.4 \\ $		
C:\Users\mmetroka\Documents\1932& - Intermountain Snow Basin CI		1 ONE-LINE DIAGRAM EE601 NO SCALE			
» 8/1/2019 5:17:23 PM					

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VAN BOERUM & FRANK ASSOCIATES, INC. CONSULTING ENGINEERS

Salt Lake City 801.530.3148 T 330 South 300 East 801.530.3150 F Salt Lake City, UT 84111 VBFA Project Number: 19328

KEYED NOTES

1 ADD NEW 175A 3P 35,000 A.I.C. CIRCUIT BREAKER IN EXISTING 277/480V 3 PHASE CUTLER HAMMER DISTRIBUTION PANEL.

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 	4								_					3	
	Branch Panel: L [*] Location: Spa	1 ace 52				(FX)		Volts:	120/208	Wye				, , ,	
	Mounting: Rec Enclosure: Typ	e 1						Wires:	4					1	
СКТ	Circuit Description	Cod	e BRK	P	Size		(VA)	B		C (VA)	Size	P	BRK	c
1	Lighting Space 101		20 A	1		296	0	190	0	- (,	+
5	Receptacle Space 101		20 A	1				100	0	360	0			, ,	F
7 9	EWH-1 EXISTING LOAD		20 A 20 A	1 1		1500	0	0	0					,	+
11 13	EXISTING LOAD SPACE		20 A	. 1		0	0			0	0				\vdash
15	SPACE							0	0						F
17	SPACE		 To	otal L	Load:	178	3 VA	180	VA	0 360	0 VA				
Code: 1 3	= See Drawings For Conduit & Condu = Subfeed Breaker = GECI Breaker	uctor Sizes	То	tal A	Amps:	1	5 A	2	A	3	A			2 = S 4 = P 6 = G	hur
Load Cla Motor	ssification		Co	onne 15	ected L	Load	De	mand Fa	ctor	Estim	nated Do 1875 V/	emanc	k		
 Receptac	le			54	40 VA			100.00%			540 VA	\		_ '	
								120.007	, 			•			
	1													1	
Notes:	1													I	
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														1	
	Branch Panel: L	6							<u>.</u>					1	
	Location: Spa Supply From: L5 Mounting: Sur Enclosure: Typ	ace 58 face e 1						Volts: Phases: Wires:	120/208 3 4	Wye				, , , ,	
скт	Circuit Description	Cod	e BRK	P	Size	A	(VA)	В (VA)	С (VA)	Size	Р	BRK	c
1 3	Receptacle Space 110		20 A	. 1		1080								1	_
5														1	\vdash
9															F
	· · · · · · · · · · · · · · · · · · ·		To	otal L	Load:	108	80 VA	0	VA	0 \	VA	_			
Code:	· · · · · · · · · · · · · · · · · · ·		То	tal A	mps:	ç) A	0	A	0	A			 	
 1	= See Drawings For Conduit & Condu = Subfeed Breaker	uctor Sizes												2 = S 4 = P	hur
5 Load Cla	= GFCI Breaker			nno	octod I	oad		mand Ea	ctor	Fetim	nated Dr	amano	4	6 = G	FE
Receptac	le			10	80 VA			100.00%		LSUII	1080 VA	۹ ۹		1	
Notes:														1	
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					E	QUI			SCH	EDL	JLE		0	VEB (
TYPE	DESCRIPTION	V/PH	LOA	٨D	F		SETS	WI OTY	RE SIZE	GNI) CC) ND IZF		PD/	T
ACI-12	SPLIT SYSTEM	208/1	1 M(CA	0).8	1	2	12 12	12	3	/4" /4"		-	
BC-16	BRANCH CONTROLLER	200/1	1.65 N		1	 I.3	1 1	2	12	12	3	/ - 1 /4"	2	0	
CU-96 DOAS-1	OUTSIDE AIR UNIT	208/3 208/3	44 M 44 M	CA CA	3	5.2 5.2	1 1	3 3	6 6	10 10		1" 1"	6 6	U ' 0 -	
EC-2 EF-1	ELECTRIC HEAT COIL	208/3 120/1	2 K 1/6 I	W HP	5	5.6 1.4	1	3 2	12 12	12 12	3.	/4" /4"	2	0 , 0	
EWH-1 FC-6	ELECTRIC WALL HEATER	120/1 208/1	1.5 k 1.05 M	(W //CA	1:	2.5).8	1	2	12 12	12 12	3	/4" /4"	2	0	
 FC-8		208/1	1.05 N).8	1	2	12	12	3	/4"	2	0	
FC-12 FC-15	VRF UNIT	208/1 208/1	1.2 M 1.45 N		1	1.0 1.2	1 1	2	12 12	12 12	3	/4" /4"	2	0	
WH-M WH-S	WATER HEATER	120/1 120/1	3.5 k 3.5 k	(W)	29	9.2 9.2	1	2	8	10	3	/4" /4"	4	0	
WU-8 WU-12	VRF UNIT	208/1 208/1	0.38 N 0.38 N	ЛСА ЛСА	0).3).3	1	2	12 12	12 12	3	/4" /4"	2	0	
XR-1	X-RAY GENERATOR	208/3	85 F	LA	8	5.0	1	3	2	6	1-	1/4"	12	25	
	OLTAGE/PHASE	KVA = KIL			IPERE	ES		GND = G	ROUND					ı I	CC
KVV = KIL W = WAT	TS	VA = VOL MCA = MI	I AMP	ERE 1 CIR	S RCUIT	AMPAC	TITY	SC = D STR = ST	NSCONN	ЕСГ				I	UC PL
HP = HO	RSEPOWER	FLA = FU	LL LOA	D AN	MPER	ES R	EMARK	<u>MOCP =</u>	MAXIMU) (LISTE	<u>ED BY</u>	THE	MÁN	UF
1. NEMA 2. NEMA	1 FUSED DISCONNECT SWITCH 1 NON-FUSED DISCONNECT SWIT	СН				A B	. FURNI . FURNI	ISHED, IN ISHED AN	STALLEI ID INSTA	D AND C		CTED ANOTI	UND HER	ER D	IVI SIO
3. BREAK		RI OAD				C	FURN		IDER AN	IOTHER		ON BU	די IT IN זיארן	STAL	LEI
4. MANU	AL STARTER WITH THERMAL OVE AL MOTOR CONTROLLER W/OUT 1	RLUAD THERMAL C	VERLO	DAD		D	. FURN	ISHED, IN ISHED AN	ID INSTA	U AND C	NDER [DIV 26		י⊏R A QUIRII	NG
6. MAGN 7. MAGN	ETIC STARTER ETIC STR/NON-FUSED DISCONNEC	CT COMBIN	ATION			C	CPD TY	PES:						ı I	
8. MAGN 9. NFM∆	ETIC STR/FUSED DISCONNECT CC 3R FUSED DISCONNECT SWITCH	OMBINATIO	N			C	1 = THE 2 = MA	ERMAL MA		CIRCU	IT BREARE	AKER R		I	F1 F2
	A 3R NON-FUSED DISCONNECT SWITCH	VITCH								ום ווסכ.	/ u\[[ı I	۲'Z
11. VARI/ 12. RECE	ABLE FREQUENCY DRIVE	_ET/ETC.				N -	THE DIV	ISION 26	CONTR	ACTOR	MAY IN	ICREA	SE 1	THE C	:01
11. VARI/ 12. RECE 13. DIRE(14. DUC1	ABLE FREQUENCY DRIVE EPTACLE/SPECIAL PURPOSE OUTL CT CONNECTION DETECTOR IN RETURN AIR DUCT	_ET/ETC.				- -	THE DIN	/ISION 26) FACILIT	CONTR	ACTOR TALLATI	MAY IN ION OR	ICREA TO H	ASE T ELP	THE C WITH	100 M
11. VARM 12. RECE 13. DIREC 14. DUCT 15. CONT	ABLE FREQUENCY DRIVE EPTACLE/SPECIAL PURPOSE OUTL CT CONNECTION I DETECTOR IN RETURN AIR DUCT IROLLED WITH LIGHTS B DISCONNECT W/CNTRL W/RING	LET/ETC.				- -	THE DIN	/ISION 26) FACILIT	CONTR	ACTOR TALLATI	MAY IN ION OR	ICREA TO H	ASE T ELP	THE C WITH	100 1 M.
11. VARIA 12. RECE 13. DIREC 14. DUCT 15. CONT 16. LM-EI GENERA	ABLE FREQUENCY DRIVE EPTACLE/SPECIAL PURPOSE OUTL CT CONNECTION I DETECTOR IN RETURN AIR DUCT IROLLED WITH LIGHTS B DISCONNECT W/CNTRL WIRING L NOTE: THE EC SHALL COORDIN/ TALS AND BRING UP ANY DISCOUT	LET/ETC.					P SIZE,	UNIT THE	ERMAL P	ACTOR TALLATI	MAY IN ION OR TION, E	TO H	ASE T ELP /ITH		10: M I M I

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1								Branc	h Panel: L5													
1	A.I. Ma	C. Rating: ains Type:							Location: Space 43 Supply From:						Volts: Phases:	120/208 3	8 Wye				A.I. Ma	C. Rating: 22,000 ains Type: C/B
	Mai MC	ns Rating: CB Rating:	100 A 1 A						Mounting: Surface Enclosure: Type 1						Wires:	4					Mai MC	ns Rating: 400 A CB Rating: 350 A
1									1									1				
BRK	Code		Circuit	Descriptio	n	скт	CH	(T Cir	cuit Description	Code	BRK P	o Size	e	A	E	3		C	Size	P BRK	Code	Circuit De
,			S	PACE		2	1	Lig	ghting Space 58		20 A 1		801	360	0	900				1 20 A		Receptacle
,			S	PACE		6	5	Rec	eptacle Exam 109		20 A 1 20 A 1					300	720	, 900		1 20 A		Receptacle
			S S	PACE PACE		8 10	7 9	Recep	tacle Procedure 108 tacle ULTRACLAVE		20 A 1 20 A 1		1440	3500	180	0				1 40 A		IWF
			S			12	1	1 Rec	eptacle MINI LAB		20 A 1		200	1000			360	. 0		2 20 A		BC
			S	PACE		14	1	5					200		4227	1000		1		2 20 A		HC
			S	PACE		18	1	7 9	DOAS-1		60 A 3	3	4227	4227			4227	4227		3 60 A		CU
1							2	1	IWH-4		40 A 1				3500	4227	1000	3500		1 40 A		I\//+
2 = S	Shunt-Tri	ip Breaker					2	5	HC-4		20 A 2	2	1000	1000			1000	0000		2 20 A		ACC
4 = F 6 = C	Provide L	Lock Off Dev	vice				2	7 Э	EF-1 WH-3		20 A 1 40 A 1				156	1000	3500	' 9967				
			Panel T	otals			3	1 3	- HC-2		20 A 2	2	1000	9967	1000	9967			- 1	3 125 A		IMAGING JUNC
<u> </u> '	-	Total Conr	n. Load: 2	2322 VA			3	5	- FC-4		20 A- 2	2 -	40.4				494	1080				
		Total	Conn.: 6	3 A			3	7 9	' HC-1		20 4 2	,	494	0	1000	0				3 40 A		Le
1		Ulai Est. D					4	1	· · · · · · · · · · · · · · · · · · ·		Total	Load:	: 291	63 VA	2715	7 VA	1000 3097	, 0 75 VA		1 20 A		SPA
1							Cor	le:			Total	Amps:	: 24	16 A	220	6 A	26	1 A				
1								1 = See Drawing	gs For Conduit & Conductor S	izes								<u>і</u>		2 = S	nunt-Tr	ip Breaker
1								3 = Subfeed Bre 5= GECI Breake	eaker									1		4 = P 6 = G	rovide L FEP Br	Lock Off Device
1							Loa	d Classification			Conn 50	ected	Load	Der	nand Fa	ctor	Estin	nated De	emand			Panel Tota
1							Rec	eptacle	1		5	960 VA	A		100.00%	,)		5960 VA	λ λ		-	Total Conn. Load: 872
1	A.I. Ma	C. Rating: ains Type:	C/B				N	lung	1		30	080 V	Ϋ́Α		100.00%)	;	30080 V	A			Total Conn.: 242
1	Mai MC	ns Rating:	40 A 1 A						ı									1				otal Est. Demand: 252
							Not	es:	,													
BRK	Code		Circuit	Descriptio	n	CKT 2												1				
1						4												I				
1						8												1				
						10										N <i>71</i> N/				וווח	C	
[']						[']						LUI	VIII N /	~///\L [<u> </u>	- IL - 1			LAMPS
2 = 5	hunt-Tri	in Breaker						FIXT	URE DESCRIPTION		ANUFAC	CTURE	ER 	(CATALO	G NUME	BER	-1	VOLT	S QTY		TYPE
4 = F	Provide L	Lock Off Dev	vice					2 X 2 LAY-IN LED 4000K	FLAT PANEL; 3300 LUMENS	S; M		^	22F	P3240C				1			LED	
6 = C	GFEP Br	eaker	Panel T	otals			A		,	LI		A						1	120			
1		Total Conr	n. Load: ´	1080 VA						D, H	AY-BRITI UBBELL	E						1 1				
1	Т	otal Est. D Total	emand: ² Conn.: 3	1080 VA 3 A						S: M			225		=1 1 4\\\/			1				
	Т	otal Est. D	emand:	3 A			AE	4000K; 1400 LUM	EN EMERGENCY BATTERY	C		A	22F	F3240C1	<u>=L14VV</u>			1	120			
										LI	THONIA AY-BRITI	E										
1									1	Н	UBBELL											
ı I								4' LED LENSED S	STRIP LIGHT; 4400 LUMENS	M	ETALUX		4SL	ST 4040I	DD AYC-	CHAINS	ET				LED	
T							В		'	C LI	OLUMBI/ THONIA	A							120			
									1	D. H	AY-BRITI UBBELL	E						·				
VER PD/		NT PROTE	CTION FUSE	STR NEMA	REMARK	s					<u></u>				40.14/1			1				
CP ,	C1	SIZE/PL	SIZE	SIZE	4A		C	FINISH; 4000K	, 1200 LOMENS, WHITE	H.	ALU		Sivii	D6 R12 9	40 VVH			I	120		LED	
)	C1 C1	30/2	15	-	1B 1B													1	120			
)) '	C1	60/3	60 60	-	1B 1B													1				
י י כי כי	C1	30/3	-	-	2A			2' VANITY LED F	IXTURE; 1900 LUMENS; 400	0К С	OLUMBIA	A	CW	'M 2 40 M	W SM FI	RFAEU	J				LED	
)) 	_ C1		-	-	4A 4A		D	1	, , ⁻]		_ 120			
ר] ר] ר	C1 C1		-	-	4A 4A			 .	· · l										_ .			
) ') ,	C1 C1	-	-	-	4A 4A																	
)	C1 C1	-	-	-	4A 4A		V1	GREEN LETTER	NGLE FACE EXIT SIGN; S, WHITE FACE, SELF	S	URE-LITE	ES	ТРХ	<-7-1-G-₩	/H				120		LED	
)	C1 C1	-	-	-	4A 4A			DIAGNOGTICS											120			
5	C1	100/3	100	-	1A													1				
1	COND : OCPD :	= CONDUIT = OVERCU	r RRENT P	ROTECTI	VE DEVICE		Lumina 1	Refer to Luminaire	e description for fixture require	ements.	. Manufac	ctures	model nu	umbers m	ay not be	e specifi	c or com	plete. Th	e cont	ractor is re	sponsi	ble to provide complete
MÁN	PL = P(2	Refer to the archit	ipment for a complete installa	ation. ings for	exact fixt	ture loo	cations a	nd ceiling	types. V	erify exa	act ceiling	g'types a	and brii	ng to the a	ttentior	n of the architect and ele
							3	shall match archit	ectural ceiling types.	to secu	re fixture	to stru	icture wa	alls and o	eilina sve	items P	efer to m	ounting	detaile	for additio	nal rec	uirements Provide all o
					ER DIV 26.		4	Prior approval sha	all be required for all manufac	tures w	ho are no	ot listed	d on this	schedule.	The pric	or approv	/als shall	be subr	nitted t	o the elec	trical er	ngineer (7) working days
ER A							5	Submittals for pric	e reviewed or approved. or approval shall be equivalen	it to the	specified	l fixture	es and re	eviewed a	nd signe	d by the	principle	of the o	rganiza	ation that is	s subm	itting for approval. Provi
UIRI	NG CO	NNECTION	UNDER	anuther	IVISION.		6	specification. All in Fixtures that have	been reviewed and approved	y to the d as equ	nxture be uivalent to	əıng su o the s	pecified	snall be c fixtures s	rossed o hall be lis	ut. The ested in a	electrical nd adder	enginee dum pri	r shall or to bi	be the fina d. Light fix	a deter tures v	mination if the fixture is vithout prior approval are
1	F1 = IN	DUCTIVE F	USE (CL	ASS RK5)			7	approved listed fix Any additional time	ctures. A verbal approval will r e required to verify if submitte	not be g	jiven or a e meets a	approve all phot	ed by VB	FA at any	time. ents shal	l be naic	l bv the a	dency re	equesti	nd approv	al. Pho	tometric point-by-point r
ı.	F2 = N0	ON-INDUCT	TIVE FUS	E (CLASS	RK1)		0	approval indicatin	g equivalency. b for all lamping shall be 4000	K unles	is noted o	otherwi	ise in the	schedule).	- ייטיק	,	ייני. ט י	1.200	0		63 bour b
HE C	CONDU	IT SIZE BY	ONE INC	REMENTA	L		9	Verify exact fixture	e finishes with the architect pr	ior to su	ubmittal.	24 991										
WITH	I MATE	RIAL AVAIL	ABILITY/	COST.			10	LED light fixtures	shall meet LM79 and LM80 st	tandard	s with +5	0,000	hour L70) lamp life				1				
1							12 13	Luminaire shall be Lumens specified	e listed per NEC 410.6. for fixtures with integral LEDs	s are tot	al deliver	red fixt	ture lume	ens				1				
APPI IGH-I	ROVED		CAL SHO	P DRAWIN	IGS/		14 15	Fixtures identified Fluorescent light f	as emergency on the plans s ixtures shall have programme	shall be ed start	provided ballasts v	with a with les	n emerge ss than 1	ency batte 0% THD	ery pack and .78 l	or remot ow balla	e inverte st factor.	r with a Lamps	1400 lu shall ,b	ımen outp ə 3100 lun	ut minii nens wi	mum for each emergend th 40,000 hour life min.
								v										•				

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Code	Circuit Description	СКТ
	Receptacle MINI LAB	2
	Receptacle EXAM 106	4
	Receptacle EXAM 105	6
	IWH-2	8
		10
	BC-1	12
		14
	ПС-3	16
		18
	CU-1	20
		22
	IWH-1	24
	ACO 1	26
	ACO-1	28
		30
	IMAGING JUNCTION BOXES	32
		34
		36
	L6	38
		40
	SPARE	42

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unt-Trip Breaker							
ovide Lock Off Device							
EP Breaker							
Panel Totals							
Total Conn. Load:	87294 VA						
Total Est. Demand:	90651 VA						
Total Conn.:	242 A						
Total Est. Demand:	252 A						

E			1	
LAMPS			I	
TYPE	MOUNTING	DIMMING	VA	NOTES
LED	LAY-IN	0-10V	29	
LED	LAY-IN	0-10V	29	
LED	CHAIN	N/A	40	
LED	SURFACE	N/A	15.3	
LED	WALL	N/A	17	
LED	UNIVERSAL	N/A	· 1	
sponsible to provide complete fix	tures as described o	n this schedul	e with all m	ounting
nal requirements. Provide all pol rical engineer (7) working days p submitting for approval. Provide	e bases as shown on prior to the bid. Prior a	the details. approvals rece	ed in the	his time
I determination if the fixture is ecures without prior approval are r	rejected and contracto	or shall base t	heir bid on	the
al. Photometric point-by-point pla	ns may be required f	rom the agend	cy submittir	ng for

VAN BOERUM & FRANK ASSOCIATES, INC. CONSULTING ENGINEERS Salt Lake City 801.530.3148 T 330 South 300 East 801.530.3150 F Salt Lake City, UT 84111 VBFA Project Number: 19328