1	2	3 1	4 1	5 6 7 8 9 10 11	12
	DUCTWORK STANDA	RDS		GRILLE, REGISTERS, DIFFUSERS & AIRFLOW HEATING AND VENTING SYMBOLS	MISCELLANEC
	ROUND SUPPLY OR OUTSIDE AIR DUCT UP		RECTANGULAR SUPPLY OR OUTSIDE AIR DUCT UP	ABBREV.DESIGNATIONABBREV.DESIGNATIONNEWDESCRIPTIONEGEXHAUST GRILLEEAEXHAUST AIR	ABBREV. DE A AN AD AC
	ROUND RETURN OR EXHAUST AIR DUCT UP		RECTANGULAR RETURN OR EXHAUST DUCT UP	RR RETURN REGISTER RLA RELIEF AIR SD SUPPLY DIFFUSER SA SUPPLY AIR LSD LINEAR SUPPLY DIFFUSER INEAR SUPPLY DIFFUSER SG SUPPLY GRILLE TRIPLE DUTY VALVE	AFF AB APD AIF AWT AV BD BA
	ROUND SUPPLY OR OUTSIDE AIR DUCT DN		RECTANGULAR SUPPLY DUCT DN	TD TRANSFER DIFFUSER TG TRANSFER GRILLE TR TRANSFER REGISTER BACKFLOW PREVENTER	BDD BA BOS BC BTU BR
	ROUND RETURN OR EXHAUST AIR DUCT DN DIRECTION OF AIRFLOW		RECTANGULAR RETURN OR EXHAUST DUCT DN ROUND DUCT DIAMETER	TYPICAL BOTTOM OF DUCT DIFFUSER DROP CHECK VALVE	BV BR CD CC CFM CL D DF
	DUCT PLAN-INCLINED DROP (DOWNSTREAM END LOWER)		IN INCHES 45° ROUND DUCT ELBOW	SD-1 DIFFUSER TAG WITH AIRFLOW XXX CFM DIFFUSER TAG WITH AIRFLOW (CUBIC FEET PER MINUTE) STRAINER W/DRAIN & HOSE CONN. BOTTOM BRANCH TAKE-OFF Image: Construction of the second se	DB DF EAT EN ECC EC EL EL
	DUCT PLAN-INCLINED RISE (DOWNSTREAM END HIGHER)		90° ROUND DUCT ELBOW	(ALL AIR TERMINALS SHALL HAVE VOLUME DAMPER UNLESS OTHERWISE NOTED) CONTROL VALVE (3-WAY) PRESSURE RELIEF VALVE	EWT EN FA FR FC FL
<u>AD</u>	ACCESS DOOR	12"Ø	DUCT SECTION-SUPPLY OR OUTSIDE AIR FIRST FIGURE IS WIDTH SECOND FIGURE IS HEIGHT	TYPICAL CEILING DIFFUSER Image: SD-1 minute state	FD FIF FLA FU GPM GA HP HC
FC	FLEXIBLE CONNECTION	30x12	DUCT SECTION-EXHAUST OR RETURN AIR	TYPICAL FLEX DUCT CONNECTION TO DIFFUSER Image: Connection of diffuser ARROWS INDICATE DIRECTION OF BLOW Image: Connection of diffuser Image: Connection of blow Image: Connection of blow	HVAC HE & A HZ HE LAT LE
BDD	BACKDRAFT DAMPER		RECTANGULAR DUCT TRANSITION TO ROUND DUCT	TYPICAL REGISTER/GRILLE	LF LIN LRA LO LWCO LO
	VOLUME DAMPER (OPPOSED BLADE TYP.)	18x12 LD	ACOUSTICALLY LINED DUCTWORK - DIMENSIONS ARE CLEAR INSIDE	SUPPLY GRILLE	LWT LE MAX MA MBH TH UN
FD	FIRE DAMPER (WITH ACCESS DOORS UPSTREAM & DOWN STREAM OF DAMPER)	12x10	RECTANGULAR DUCT SIZE- FIRST # IS SIDE SHOWN		MD MA MIN MII MOD MC MV MA
MOD	MOTOR OPERATED DAMPER	12/10	OVAL DUCT SIZE- FIRST # IS SIDE SHOWN	EQUIPMENT TAG LEGEND R REFRIGERANT DETECTOR	N.C. NC PD PR RIC RL

	FLEXIBLE DUCT
--	---------------

PIPING SERVICE LEGEND

— SERVICE DESIGNATION

PIPING LINE DESIGNATIONS

PIPE SIZE —

6" GS		<u>/</u>		
	NEW	DESCRIPTION	EXISTING TO REMAIN	DEMO
	L	A.C. REF. LIQUID	EL	<u> </u>
	S	A.C. REF. SUCTION (VAPOR)	ES	<u> </u>
	———— HG ———	A.C. REG. HOT GAS	———— EHG ———	— — — — EH
	G	LP GAS PIPING	EG	<u> </u>
	GS	GLYCOL SUPPLY	EGS	<u>— — — — E</u> G
	GR	GLYCOL RETURN	- — — — — —EGR— — —	<u> </u>
	HWS	HOT WATER SUPPLY	EHWS	— — — — — — ЕНИ
	— — — — — -HWR— — —	HOT WATER RETURN	— — — — — EHWR- — –	— — — — EHW

DEMO				
<u> </u>				
— X— —X — ES— X—				
— — — — — EHG —X—				
— X — X —EG — X—				
— — — — E GS — X—				
— X — EGR — X—				
— — — — — EHWS—X—				
— — — — — EHWR—X—				

	ARROWS IN
TYPICAL R	EGISTER/G
	→ SG-1 XXX CFM

EQUIPMENT TAG LEGEND

<u>TAG</u>	DESIGNATION	D.O.
<u>BS-1</u>	BRANCH SELECTOR BOX DESIGNATION	ılı
<u>CF-1</u>	CIRCULATION FAN DESIGNATION	
CRAC-1	COMPUTER ROOM AIR CONDITIONING UNIT DESIGNATION	
<u>CU-1</u>	AIR COOLED CONDENSING UNIT DESIGNATION	
DC-1	DRY COOLER DESIGNATION	
DS-1	DUCT SILENCER DESIGNATION	
ERU-1	ENERGY RECOVERY UNIT DESIGNATION	
<u>EF-1</u>	EXHAUST FAN DESIGNATION	Ľ
<u>FC-1</u>	FLUID COOLER DESIGNATION	\wedge
<u>GH-1</u>	GAS HEATER DESIGNATION	
<u>HC-1</u>	HEATING COIL DESIGNATION	
<u>HP-1</u>	HEAT PUMP DESIGNATION	
<u>L-1</u>	LOUVER DESIGNATION	X
<u>– </u>	MAKEUP AIR UNIT DESIGNATION	
<u>P-1</u>	PUMP DESIGNATION	>
<u>RF-1</u>	RETURN FAN DESIGNATION]
<u>RTU-1</u>	ROOFTOP UNIT DESIGNATION	L
<u>SF-1</u>	SUPPLY FAN DESIGNATION	O
<u>UH-1</u>	UNIT HEATER DESIGNATION	
<u>UV-1</u>	UNIT VENTILATOR DESIGNATION	
<u>VH-1</u>	VENTILATION HOOD DESIGNATION	
		\bigcirc
<u>IE-5-10</u>		
≜ ≜ ≜		LWCO
	ZONE VRV HEAT PUMP SYSTEM	EWCO
	INDOOR EVAPORATOR UNIT	$\langle 1 \rangle$
		<u>UH-1</u>
		11.7 MBH
		•
		TCP
		(Š)=====
		Ş

1	7	1	8	1	9	1	10	1	11		12	

RUN IN COVER STATIC PRESSURE TOP OF STEEL TYPICAL VENT WITH WET BULB

RPM

TOS

SP

ΤV

_	INCREASER OR DECREASER CONCENTRIC	TYP.	-
		V	Y
_	INCREASER OR DECREASER ECCENTRIC	VD	`
	DRIP LEG	W/ WB	
-	AUTOMATIC AIR VENT		
_	PIPE GUIDE		
_	PIPE ANCHOR		
-	DIRECTION OF FLOW		
	PIPE CAP		
	ELBOW UP OR RISE		
	ELBOW DOWN OR DROP		
_	THERMOMETER	SECTION 8	<u> </u>
_	PRESSURE GAUGE	\wedge	
	LOW WATER CUT-OFF		
	TECHNICAL NOTE- APPLIES ONLY TO SHEET IN WHICH IT APPEARS.	_	
	HVAC EQUIPMENT TAG IDENTIFICATION		
	NEW CONNECTION TO EXISTING		
	TEMPERATURE CONTROL PANEL		

DRAIN-OFF VALVE

UNION

DUCT SMOKE DETECTOR

DESIGNATION

- ANCHOR
- ACCESS DOOR
- ABOVE FINISHED FLOOR
- AIR PRESSURE DROP
- AVERAGE WATER TEMPERATURE
- BAROMETRIC DAMPER
- BACKDRAFT DAMPER
- BOTTOM OF STEEL
- BRITISH THERMAL UNITS
- BRICK VENT
- COOLING CONDENSATE DRAINAGE CUBIC FEET PER MINUTE
- DRAIN DRY BULB
- ENTERING AIR TEMP.
- ECCENTRIC
- ELEVATION
- ENTERING WATER TEMPERATURE
- FRESH AIR
- FLEXIBLE CONNECTION FIRE DAMPER
- FULL LOAD AMPS
- GALLONS PER MINUTE
- HORSEPOWER
- HEATING, VENTILATING & AIR CONDITIONING HERTZ
- LEAVING AIR TEMP.
- LINEAL FEET
- LOCKED ROTOR AMPS
- LOW WATER CUT-OFF
- LEAVING WATER TEMPERATURE
- MAXIMUM THOUSAND BRITISH THERMAL
- UNITS PER HOUR MANUAL DAMPER
- MINIMUM
- MOTOR OPERATED DAMPER
- MANUAL VENT
- NORMALLY CLOSED
- PRESSURE DROP
- **REVOLUTIONS PER MINUTE**
- TURNING VANES
- VOLUME DAMPER

DETAIL MARKERS

SECTION IDENTIFICATION (LETTER)

SHEET CONTAINING SECTION

DETAIL IDENTIFICATION (NUMBER)

SHEET CONTAINING DETAIL

EOUS ABBREVIATIONS GENERAL NOTES

- 1. ALL NEW SPACE THERMOSTATS SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR (AFF).
- 2. EQUIPMENT, DUCTWORK AND PIPING LOCATIONS SHOWN ARE APPROXIMATE EXCEPT WHERE DIMENSIONED. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO AVOID INTERFERENCES.
- 3. FLEXIBLE CONNECTIONS SHALL BE PROVIDED BETWEEN MOTORIZED UNITS AND DUCTWORK CONNECTIONS.
- 4. PROVIDE ACCESS DOORS IN EQUIPMENT AND DUCTWORK FOR ACCESS TO DAMPERS, MOTORS, FILTERS, FANS AND ON BOTH SIDES OF HEATING COILS.
- 5. PIPING SHALL BE RUN AS DIRECT AS POSSIBLE, PARALLEL TO & FORMING RIGHT ANGLES TO THE LINES OF THE BUILDING, SUPPORTED FROM THE STRUCTURE, FREE FROM POCKETS & SAGS & PITCHED TO LOW POINT DRAINS.
- 6. LOCATE ALL VALVES FOR EASY ACCESS & OPERATION. DO NOT LOCATE VALVES W/STEMS BELOW HORIZONTAL.
- 7. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WEATHERTIGHT.
- 8. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
- 9. DUCTWORK SHALL BE COORDINATED TO PREVENT ANY INTERFERENCES W/ PLUMBING, PIPING, ELECTRICAL, STRUCTURAL, FIRE PROTECTION, ARCHITECTURAL AND OTHER WORK.
- INTERNAL DIMENSIONS. 11. CONTRACTOR TO FIELD VERIFY ALL EXISTING DUCT SIZES, PIPE SIZES, LOUVERS, ETC. INCLUDING LOCATIONS & ARRANGEMENTS OF SAME. COORDINATE NEW WORK WITH EXISTING CONDITIONS.

10. ALL DUCT SIZES SHOWN ARE CLEAR

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			E
0	ISSUED FOR BID		06 JUNE 2016
REV.	DESCRIPT	ΓΙΟΝ	DATE
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	ARCHITECTS WWW.WBI BANGOR, MAIN PORTLAND, MAIN SARASOTA, FLOF	RCAE.COM NE 207-947-4511 INE 207-828-4511 RIDA 941-556-0757	S
PROJECT:	MECHANIC	AL LEGEN	ND
SHEET TIT	LE:		
WBRC CA	D FILE: 407110 - ASYLUM DANCE C	LUB - MECH.RVT	
PROJECT	No. 4071.10	GRAPHIC SCALE:	1"
SCALE:	AS NOTED		/
PROJECT	MANAGER: JRB		
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