

	1	2	3	4	5	6	7	8	9	10	
F											
E											
D											
C											
B											
A											

GENERAL	
	EXISTING MECHANICAL TO BE REMOVED
	EXISTING MECHANICAL TO REMAIN
	NEW MECHANICAL WORK
	MATCHLINE OR PROPERTY LINE
	ENLARGED PLAN BOUNDARY
	DETAIL/PLAN IDENTIFIER
	SECTION IDENTIFIER
	ELEVATION IDENTIFIER
	REVISION DEFINITION AREA, AREA ENCIRCLED CONTAINS CHANGES MADE SUBSEQUENT TO PREVIOUS ISSUE
	REVISION CALLOUT
	FLAG NOTE CALLOUT
	DEMOLITION NOTE TAG
	EQUIPMENT TAG
	MECHANICAL EQUIPMENT TAG
	MECHANICAL EQUIPMENT TAG
	NORTH ARROW
	LOCATION WHERE PICTURE WAS TAKEN AND DIRECTION
	INVERT ELEVATION OR POC
ELECTRICAL PROVISIONS FOR MECHANICAL WORK	
	LOCATION OF STARTER, DISCONNECT & CONTROLS
	VARIABLE FREQUENCY DRIVE
	HEAT TRACE BETWEEN SYMBOLS OR END OF RUN
PIPING	
	PIPE ELBOW UP OR PIPE TEE UP AND DOWN
	PIPE ELBOW DOWN
	PIPE TEE UP
	PIPE TEE DOWN
	PIPE RISE
	PIPE CAP
	PIPE PLUG
	FLOW DIRECTION
	PIPE BREAK
	PIPE CONNECTION
REFRIGERANT PIPING SYSTEM	
	REFRIGERANT LIQUID LINE
	REFRIGERANT SUCTION LINE
	SIGHT GLASS WITH MOISTURE INDICATOR
	FILTER DRYER
VALVES	
	VALVE: GATE, BALL, BUTTERFLY (REFER TO SPECIFICATIONS)
	GLOBE VALVE
	SOLENOID VALVE
	CHECK VALVE
	BALANCING VALVE
	PRESSURE REDUCING VALVE
	REDUCED PRESSURE BACKFLOW ASSEMBLY
	SAFETY RELIEF VALVE
	TEMPERATURE/PRESSURE RELIEF VALVE
PIPING SPECIALTIES	
	UNION
	FLANGE
	FLEX CONNECTOR
	THERMAL/SEISMIC FLEXIBLE LOOP
	THERMAL EXPANSION JOINT
	STRAINER
	STRAINER WITH BLOW OFF VALVE
	PIPE ANCHOR
	ALIGNMENT GUIDE
	TEMPERATURE/PRESSURE TEST PORT
	THERMOMETER
	PRESSURE GAGE
PUMPS	
	CENTRIFUGAL PUMP
	INLINE PUMP
	CONDENSATE PUMP
	BASE MOUNTED PUMP
STORM DRAINAGE PIPING SYSTEM	
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	RAIN LEADER
	OVERFLOW RAIN LEADER
SOIL AND WASTE WATER PIPING SYSTEM	
	SANITARY SEWER/WASTE UNDERGROUND
	SANITARY SEWER/WASTE ABOVE GROUND
	INDIRECT WASTE
	CONDENSATE DRAIN
	VENT PIPING
	VENT THRU ROOF (INCLUDE SIZE)
	FLOOR DRAIN/FUNNEL FLOOR DRAIN
	FLOOR SINK
	CLEANOUT
	CLEANOUT - FREE STANDING WALL MOUNTED
	CLEANOUT - FLUSH WITH FLOOR
DOMESTIC WATER PIPING SYSTEM	
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER CIRCULATION
	TRAP PRIMER WATER
	WATER METER
FIRE PROTECTION SYSTEM	
	FIRE SPRINKLER
	FIRE MAIN
	DOUBLE DETECTOR CHECK VALVE/DOUBLE CHECK VALVE ASSEMBLY
INLETS AND OUTLETS	
	GRILLE REGISTER OR DIFFUSER TYPE
	RUNOUT SIZE (INCHES)
	AIR QUANTITY (CFM)
	CEILING DIFFUSER
	1-WAY DIRECTION FLOW
	2-WAY DIRECTION FLOW
	3-WAY DIRECTION FLOW
	RETURN/RELIEF AIR GRILLE
	EXHAUST AIR GRILLE
	LINEAR DIFFUSER/GRILLE
	SUPPLY GRILLE
	RETURN/EXHAUST GRILLE
	TRANSFER GRILLE
	RETURN/EXHAUST AIRFLOW
	SUPPLY AIR FLOW
CONTROLS (PLAN VIEW)	
	THERMOSTAT OR TEMPERATURE SENSOR
	SENSOR: SHOWN WITH GUARD (TYPICAL ALL SENSORS)
	HUMIDISTAT OR HUMIDITY SENSOR
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	INDOOR AIR QUALITY SENSOR
	MOTORIZED DAMPER
	AIRFLOW MEASURING UNIT
	DUCT SMOKE DETECTOR
	TEMPERATURE TRANSMITTER
	PRESSURE TRANSMITTER
	AQUASTAT
	DIFFERENTIAL PRESSURE SENSOR
	DIFFERENTIAL PRESSURE MONITOR
	AUTOMATIC CONTROL VALVE, 3-WAY
	AUTOMATIC CONTROL VALVE, 2-WAY
	DIRECT DIGITAL CONTROL PANEL
DUCTWORK	
	BACKDRAFT DAMPER
	VOLUME DAMPER
	FLEXIBLE CONNECTION TO MECHANICAL EQUIPMENT TRANSITION - RECTANGULAR TO ROUND
	DUCT SIZE (CLEAR INSIDE DIMENSION)
	SOUNDLINED DUCTWORK
	RECTANGULAR DUCT UP
	RECTANGULAR DUCT DN
	ROUND OR OVAL DUCT UP
	ROUND OR OVAL DUCT DN
	FLEXIBLE DUCTWORK
	DUCT RISE/DROP WITH 90° ELBOWS (RECTANGULAR DUCTS)
	DUCT RISE/DROP WITH 45° ELBOWS (RECTANGULAR DUCTS)
	DUCT RISE/DROP WITH 90° ELBOWS (ROUND OR OVAL DUCT)
	DUCT RISE/DROP WITH 45° ELBOWS (ROUND OR OVAL DUCTS)
	TRANSITION OR REDUCER
	TRANSITION - ECCENTRIC 45° ELBOW, R/D OR R/W=1.5
	90° ELBOW, R/D OR R/W=1.5
	SQUARE CORNER ELBOW WITH TURNING VANES
	90° CONICAL TAKE-OFF
	90° TAKE-OFF WITH 45° TAPER
	45° TAKE-OFF
	RADIUS TAP IN
	WYE FITTING
	RADIUS TEE
	SQUARE TEE WITH TURNING VANES
	BULLHEAD TEE
	SECTION THRU SUPPLY AIR DUCT
	SECTION THRU RETURN, EXHAUST OR OUTSIDE AIR DUCT
	SECTION THRU ROUND DUCT
	SUPPLY ROOF PENETRATION
	RETURN, EXHAUST OR OUTSIDE AIR ROOF PENETRATION
	ROUND DUCT ROOF PENETRATION
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M9.03	MECHANICAL DETAILS AND ZONE PLAN
M10.01	CONTROL DIAGRAMS

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CHECKED BY: JR

DATE 1/10/2013

JOB NUMBER 1278

SHEET NAME

MECHANICAL LEGEND

SHEET

M0.01

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ROUND DUCT ROOF PENETRATION

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MD2.1

PLUMBING DEMO PLAN

MD4.1

HVAC DEMO PLAN

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ROOF DEMO PLAN

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FOUNDATION PLUMBING PLAN

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PLUMBING PLAN

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HVAC PLAN

M5.01

FIRE SUPPRESSION PLAN

M6.01

MECHANICAL ROOF PLAN

M9.01

MECHANICAL DETAILS

M9.02

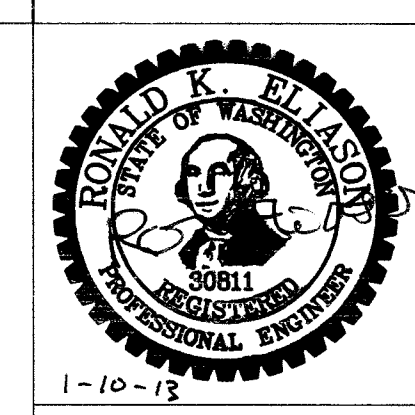
MECHANICAL DETAILS

M9.03

MECHANICAL DETAILS AND ZONE PLAN

M10.01

CONTROL DIAGRAMS



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