Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/06/14

MECHANICAL SECOND FLOOR PLAN
1/4"=1'-0"

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GENERAL NOTES

A.	ALL OUTDOOR AIR INTAKES BY MECHANICAL EQUIPMENT SHALL HAVE A MINIMUM 10'-0" HORIZONTAL CLEARANCE FROM THE DISCHARGE OF ANY EXHAUST FAN, COMBUSTION EXHAUST OR PLUMBING VENT.
B.	PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE DUCT/ PIPING CONNECTIONS TO ALL MOVING MACHINERY NOT INTERNALLY ISOLATED.
C.	ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL WORK SHOWN ON THE MECHANICAL DRAWINGS.
D.	MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES AROUND ALL PIECES OF ROOF MOUNTED EQUIPMENT.

KEYED NOTES

1.	NEW RTU SHALL UTILIZE EXISTING ROOF CURB WITH FIELD-SUPPLIED CURB ADAPTER.
2.	FIELD FABRICATED ROOF JACK FOR REFRIGERATION PIPING AND POWER CONDUIT(S) SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DETAILS FOR DIRECTION. THE MC, EC AND GC SHALL COORDINATE FOR A COMPLETE INSTALLATION.
3.	AIR-COOLED CONDENSING UNIT FOR FREESTANDING SODA/ICE MACHINE. BY OTHERS.
4.	PROVIDE ALL INTERCONNECTION WIRING BETWEEN SODA/ICE MACHINE AND REMOTE CONDENSING UNIT PER MANUFACTURER'S INSTRUCTIONS.
5.	FIELD COORDINATE PLACEMENT OF THE HVAC UNIT. TOP OF UNIT SHALL BE 3" BELOW 2ND FLOOR CEILING.
6.	FIELD COORDINATE THE ROUTING OF REFRIGERANT PIPING TO ROOF MOUNTED CONDENSING UNIT. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS FOR MAXIMUM LINE LENGTH.
7.	REFER TO PLUMBING SANITARY PLAN FOR ROUTING OF THE CONDENSATE DRAIN PIPING FROM THE HVAC UNIT.
8.	CONDENSATE DRAIN PIPING FROM THE HVAC UNIT SHALL BE ROUTED ON ROOF, AS SHOWN, AT A MINIMUM PITCH OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. REFER TO THE PLUMBING SANITARY PLAN FOR CONTINUATION OF CONDENSATE DRAINAGE PIPING TO APPROVED RECEPTACLE.
9.	FIELD VERIFY ACTUAL LOCATION AND SIZE OF EXISTING GAS MAIN. CONNECT NEW 1" GAS PIPING TO NEW SPACE.
10.	GAS PIPING TO THE MECHANICAL UNIT SHALL EXTEND ON THE ROOF AS SHOWN. PROVIDE WEATHER TIGHT SEAL AT PIPE PENETRATION. REFER TO THE WATER AND GAS PLUMBING PLAN FOR CONTINUATION OF PIPING BELOW THE ROOF.
11.	ALL PIPING INSTALLED ON THE ROOF SHALL BE SUPPORTED WITH PRE-MANUFACTURED ADJUSTABLE PIPE SUPPORTS AT MAXIMUM 5'-0" ON CENTER AND EVERY CHANGE OF DIRECTION.
12.	ROOF MOUNTED VTR, SIZED AS SHOWN. INSTALLED LOCATION SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE. TOP OF VTR STACK SHALL BE EVEN WITH PARAPET WALL. INSTALL COMPLETE WITH ODOR EATER CAP AS SCHEDULED.
13.	ROUTE GAS PIPING DOWN THROUGH ROOF TO WATER HEATER BELOW. REFER TO PLUMBING WATER AND GAS PLAN FOR CONTINUATION.
14.	ROUTE GAS PIPING DOWN THROUGH ROOF TO COOKLINE BELOW. REFER TO PLUMBING WATER AND GAS PLAN FOR CONTINUATION.

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11/18/2013

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DATE	DESCRIPTION
11/18/13	PERMIT ISSUE

	DATE	DESCRIPTION

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MECHANICAL SECOND FLOOR PLAN

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