DEMO (E) SUPPLY & RETURN DUCT & GRILL FOR THE 2-TON PACKAGE UNIT

DEMO (E) SUPPLY FOR THE EXISTING 2-TON PACKAGE UNIT

DEMO & CAP (E) SUPPLY FOR VAV-30

DEMO & CAP (E) RETURN FOR VAV-30

AC1.01D
DE-ENERGIZE UNIT AT PANEL.
DISCONNECT ELECTRICAL WIRING.
DEMO EXISTING AC UNIT.
REUSE EXISTING PAD.
WEIGHT: 349 LBS

REFRIGERANT PIPING U.T.R. 10' TO UNIT.
1/2" LIQUID LINE
7/8" SUCTION LINE
(SEE SHEET S100, DETAIL #2)

MOUNT (N) CU-1 TO (E) PAD.
(SEE SHEET S100, DETAIL #2)

INSTALL NEW REFRIGERANT REVERSE TRAP AT TOP OF RISER IN SUCTION LINE PER MANUFACTURER’S I.O.M.

NEW SHEET METAL COVER OVER (E) EQUIPMENT PAD.
NOTES:
1) TRAP SUCTION LINE AT BASE AND TOP OF RISER.
2) SUCTION PIPING TO BE INSULATED 1/2" 7/8" SUCTION LINE w/ 1/2" INSULATION
3) INSTALL REFRIGERANT TRAP AT BOTTOM OF SUCTION RISER.
4) 3/4" NPT FEMALE CONDENSATE DRAIN CONNECTION.
5) 3/4" CONDENSATE DRAIN LINE TO APPV'D RECEPTOR BY OTHERS CRAC
6) WEIGHT: 387 LBS. CU
7) WEIGHT: 351 LBS.

CONNECTION SIZES:
7/8" SUCTION 1/2" LIQUID

EQUIPMENT CAPACITY IN TONS OF REFRIGERATION
MINIMUM CONDENSATE PIPE DIAMETER

UP TO 20 OVER 21 TO 40 OVER 41 TO 90 OVER 91 TO 125 OVER 126 TO 250

3/4 INCH 1 INCH 1 1/4 INCH 1 1/2 INCH 2 INCH

EQUIPMENT CAPACITY IN TONS OF REFRIGERATION

PER 2016 CALIFORNIA PLUMBING CODE (FOR DRAIN LINES (INDIRECT WASTE) FROM EQUIPMENT TO APPROVED RECEPTOR) (CPC 814.3)

PER 2016 CALIFORNIA MECHANICAL CODE (FOR CONDENSATE PIPE LINES FROM EQUIPMENT TO APPROVED RECEPTACLE) (CMC 310.3)

NOTES:
** PER 2016 CALIFORNIA MECHANICAL CODE 1109.9, PIPING AND FITTINGS WHICH CONVEY BRINE, REFRIGERANT OR COOLANTS WHICH DURING NORMAL OPERATION COULD REACH A SURFACE TEMPERATURE BELOW THE DEW POINT OF THE SURROUNDING AIR AND THAT ARE LOCATED IN SPACES OR AREAS WHERE CONDENSATION COULD CAUSE A HAZARD TO THE BUILDING OCCUPANTS OR DAMAGE TO THE STRUCTURE OR ELECTRICAL OR OTHER EQUIPMENT SHALL BE PROTECTED TO PREVENT SUCH DAMAGE.

** PER 2016 CALIFORNIA PLUMBING CODE 703.2, SANITARY DRAINAGE PIPING SHALL BE SIZED TO ALLOW FOR TWO (2) FIXTURE UNITS FOR EACH GALLON PER MINUTE OF FLOW.

PITCH TO OPEN DRAIN 1/4" PER FOOT RECOMMENDED, 1/8" PER FOOT MINIMUM (CPC 814.1) (CMC 310.3)

FLOOD-LEVEL RIM OF RECEPTOR (CPC 810.4)

1" MINIMUM (CPC 801.2)

THERMOSTAT
R
G
W1
W2
Y
Y2
C
O

NEGATIVE PRESSURE CHAMBER
VENT

H - MAXIMUM ANTICIPATED PRESSURE DIFFERENTIAL BETWEEN ATMOSPHERE AND CHAMBER HOUSING DRAIN PAN.
ADD 50% SAFETY FACTOR FOR "H" CALCULATION.

EQUIPMENT CAPACITY IN TONS OF REFRIGERATION

PER 2016 CALIFORNIA MECHANICAL CODE

(AC5.01)
WEIGHT: 349 LBS. CU-1 LOCATED BEHIND PARAPET ON INTERIOR SLOPE OF ROOF 3'-4" TOP OF CU-1 APPROXIMATELY 3'-4" BELOW PARAPET AND IS SCREENED FROM PUBLIC VIEW IN ALL DIRECTIONS

ROOF MOUNTED MECHANICAL EQUIPMENT IS SCREENED FROM VIEW FROM ADJOINING PUBLIC STREETS AND AREA(S) ZONED FOR RESIDENTIAL OR OPEN SPACE USES.

BUILDING SECTION LOOKING NORTH

CRAC-1 LOCATED ABOVE HALLWAY CEILING WEIGHT: 387 LBS.

AC5.02
GENERAL REQUIREMENTS

CONTRACTOR TO SUBMIT THE DESIRED NUMBER HARD COPIES OF SHOP DRAWINGS RELEASED.

FRAMING LUMBER

FRAMING LUMBER CONT.

SPECIAL INSPECTION

SEISMIC FACTORS

WIND FACTORS

DESIGN LOADS

1.0 GENERAL

Framing shall be Faber's Redwood. Wood shall be free from defects or knots. Wood shall be properly dried. Wood shall be properly prepared. Wood shall be properly treated. Wood shall be properly nailed. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. Wood shall be properly treated. Wood shall be properly braced. 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