

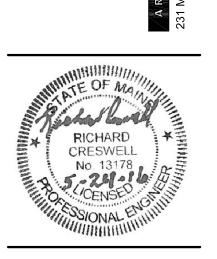
TMANUAL AIR VENT

-CONTROL

VALVE

M-502/





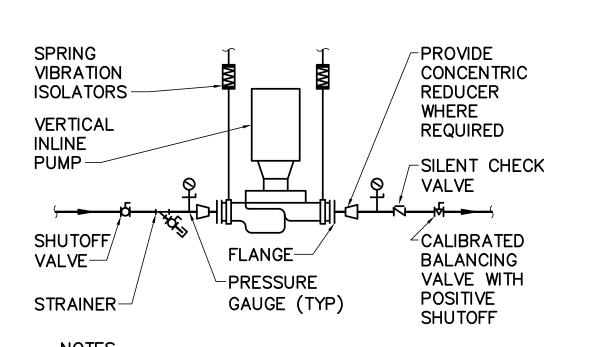
RNC KLG MSA



DATE: 05-24-16

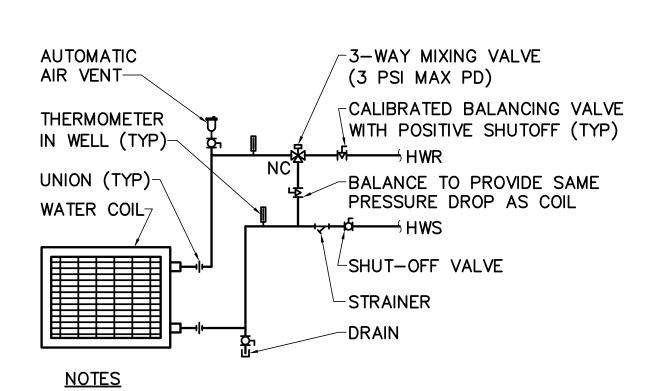
SCALE: AS NOTED

SHEET: 137 OF 169



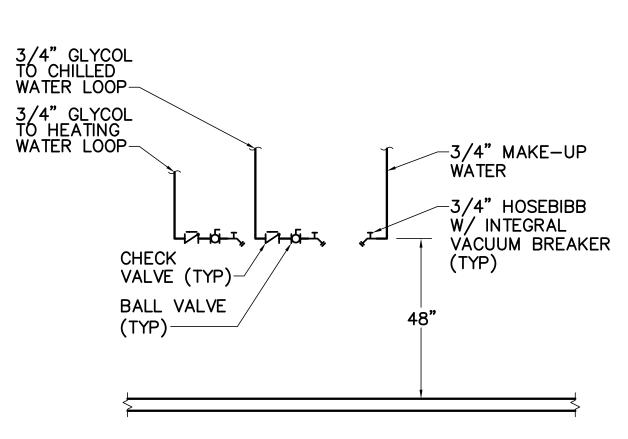
- 1. VALVES SHALL BE SAME SIZE AS PIPE.
- 2. PROVIDE SPRING VIBRATION ISOLATORS FOR PUMP.

1 INLINE PUMP PIPING DETAIL

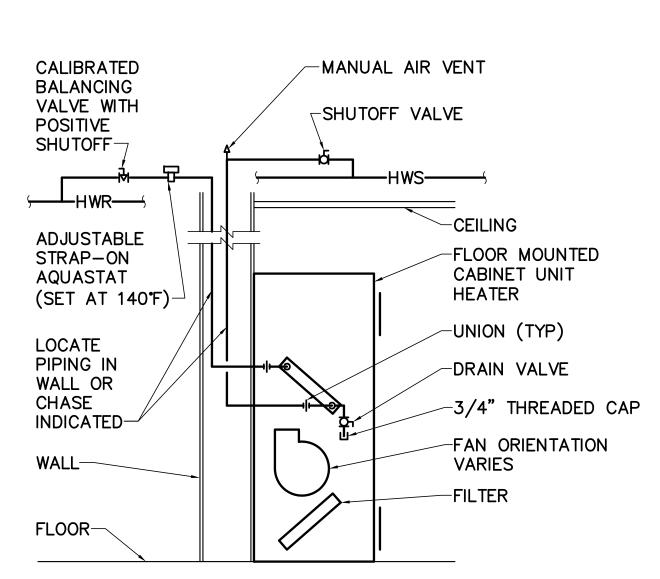


- 1. VALVES SHALL BE SAME SIZE AS PIPE.
- 2. SHUT-OFF VALVES MAY BE BALL OR BUTTERFLY. REFER TO SPECIFICATIONS FOR VALVE TYPE AND SIZE RESTRICTIONS.
- 3. PROVIDE UNIONS AND/OR FLANGES AS REQUIRED FOR FIT-UP AND REMOVAL OF COIL.

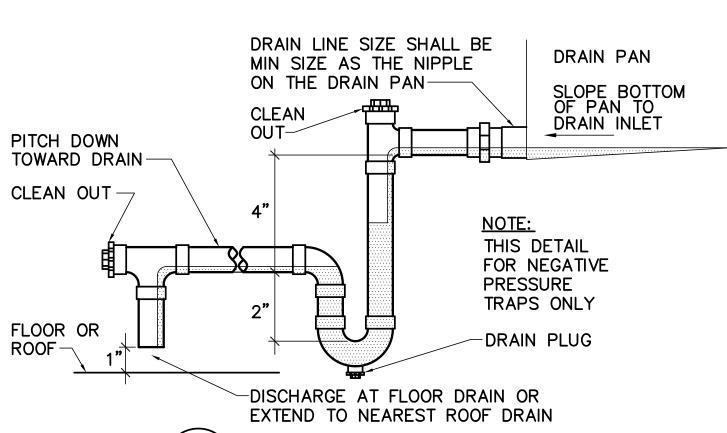
AHU AND ERV CHILLED 6 WATER COIL PIPING SCHEMATIC



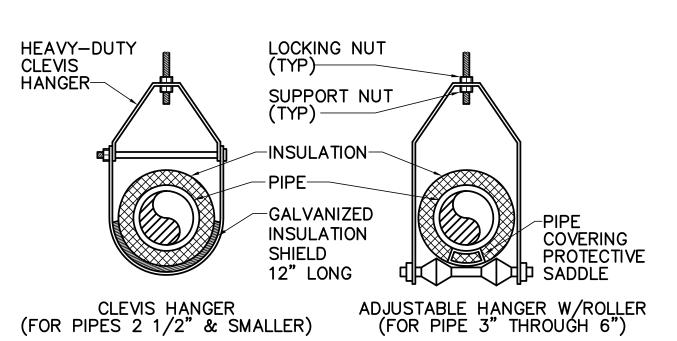
10 GLYCOL FILL STATIONS DETAIL M-401 M-502 NOT TO SCALE



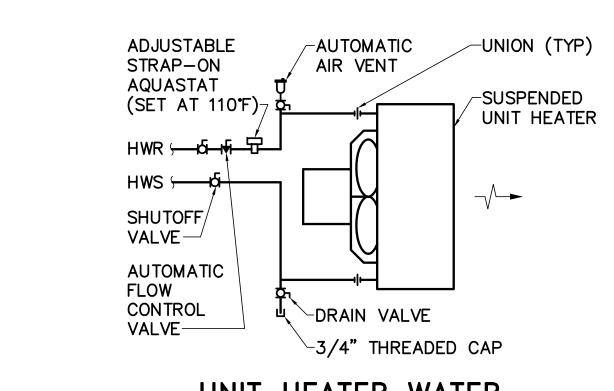
14 CABINET HEATER PIPING SCHEMATIC MP102 M-502 NOT TO SCALE



2 CONDENSATE TRAP DETAIL MP104,M-401 M-502 NOT TO SCALE



3 PIPE HANGER ATTACHMENT DETAILS M-502 NOT TO SCALE



UNIT HEATER WATER MP101 M-502 NOT TO SCALE



PRESSURE RELIEF VALVE. PIPE DISCHARGE

TO 4" MAX

TO BYPASS

EXCHANGER AND METAL

PLATFORM-

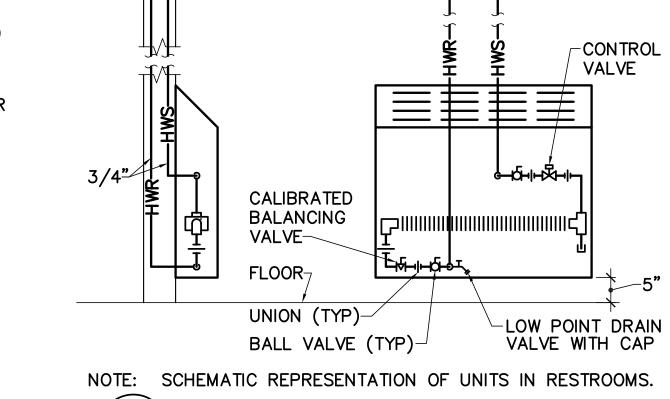
1" LPC TO CONDENSATE RECEIVER CR-1-

INSTALL CHILLERS ON SPRING VIBRATION ISOLATORS

STEEL ELEVATED SUPPORT FRAME ABOVE ROOF

ABOVE FLOOR-

CHEMICAL FEED STATION-



2/3 CAPACITY STEAM

VALVE; 820 LB/HR, MIN 5 PSI PD

1/3 CAPACITY STEAM

OS&Y VALVE

(TYP)-

M-401 M-502 NOT TO SCALE

STRAINER-

HX-1 STEAM TO HOT WATER

9 CONVERTOR PIPING SCHEMATIC

-LPC-6-7-1-FT-1-

SUPPORT PIPING ON BOTH SIDES OF FLEXIBLE CONNECTOR (TYP)

13 AIR COOLED CHILLER PIPING DETAIL

VÁLVE; 410 LB/HR, MIN 5 PSI PD

<u>5 CONVECTOR PIPING SCHEMATIC</u> M-502 NOT TO SCALE

FOR CONTINUATION-

-POSITION STRAINER IN

HORIZONTAL PLANE

ECCENTRIC REDUCER

BREAKER

EXCHANGER

─6" LONG FULL
SIZE DRIP LEG

-MANUAL AIR VENT (TYP)

CONNECTOR (TYP)

FLOW SWITCH (TYP)

-THERMOWELL (TYP)

THERMOMETER (TYP)

PRESSURE GAUGE (TYP)

BUTTERFLY VALVE (TYP)

∠UNION (TYP)

-FLEXIBLE

FLOAT & THERMOSTATIC STEAM TRAP; SIZE AT 1230 LBS/HR

¬@ 0.5 PSÍG DIFFERENTIAL

-HEAT

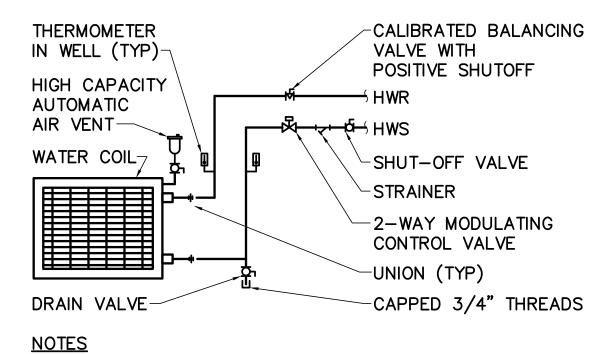
3"

2-1/2"

4" LPS ¬

U-BOLT SADDLE (TYP OF 2)

MANUAL AIR VENT



1. VALVES SHALL BE SAME SIZE AS PIPE.

PETCOCK OR BALL VALVE-

CALIBRATED BALANCING

EXCESSIVE CIRCULATION

ADJUST TO PREVENT

THROUGH FEEDER-

M-401 M-502 NOT TO SCALE

EQUIPMENT

SUBFRAME-

MANUFACTURER'S PREFABRICATED

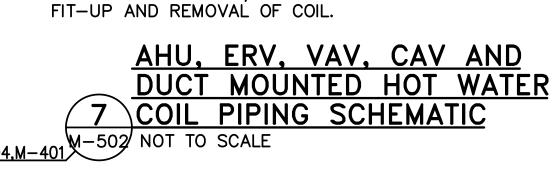
MOUNTED EVAPORATOR FAN UNIT

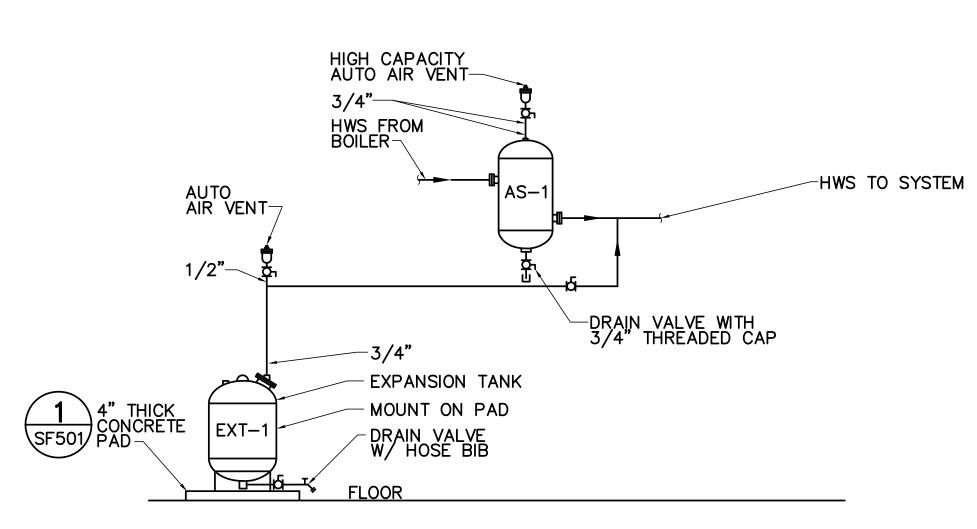
_FLOOR

STAND SECURE TO ROOF

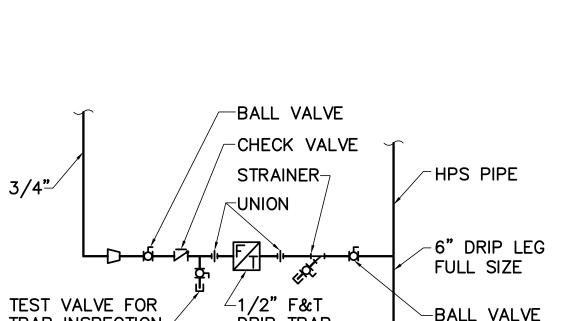
VALVE WITH POSITIVE SHUTOFF;

- 2. SHUT-OFF VALVES MAY BE BALL OR BUTTERFLY. REFER TO SPECIFICATIONS FOR VALVE TYPE AND SIZE RESTRICTIONS.
- 3. PROVIDE UNIONS AND/OR FLANGES AS REQUIRED FOR

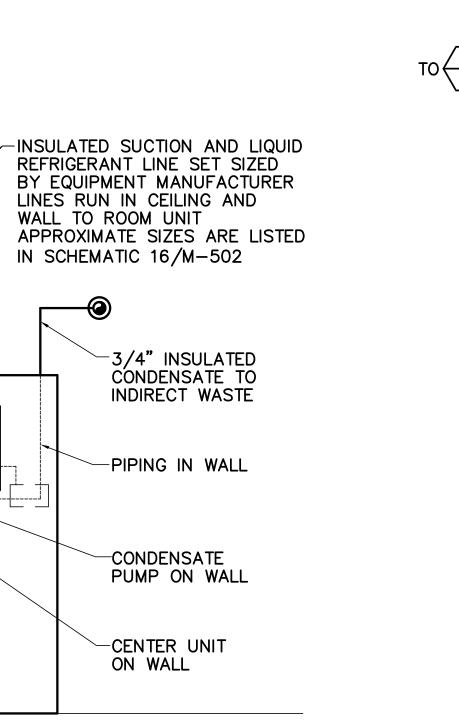




8 AIR CONTROL PIPING DIAGRAM







15 DUCTLESS SPLIT SYSTEM ELEVATION MP102,MP103,MP104 M-502 NOT TO SCALE

-UNION (TYP)

-CHECK

VALVE

VALVE

AIR COOLED

CONDENSING UNIT ON ROOF

-ROOF

DECK

CEILING-

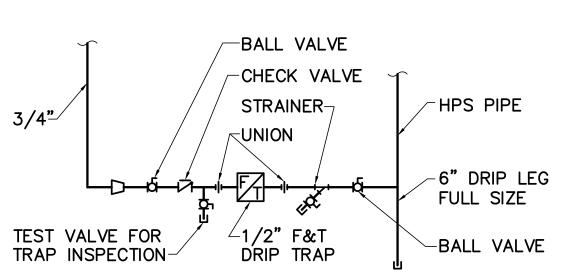
11 BYPASS CHEMICAL FEEDER PIPING SCHEMATIC

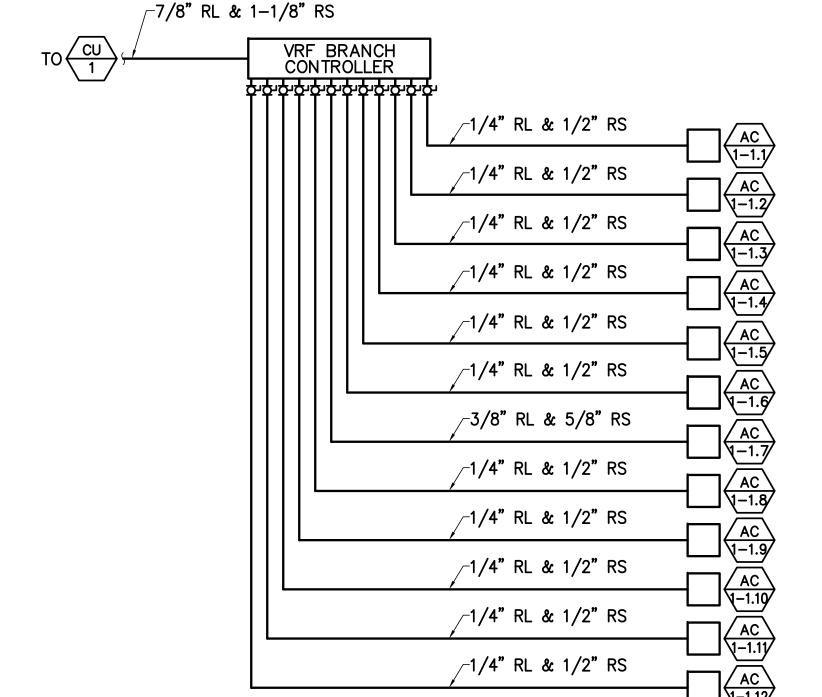
-3/4" THREADED CAP

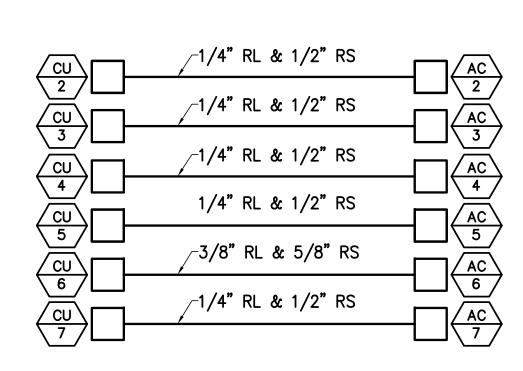
PUMP DISCHARGE

PUMP SUCTION

-ISOLATION VALVE (TYP)







MP104 M-502 NOT TO SCALE

16 REFRIGERANT PIPING SCHEMATIC MP102,MP103,MP104 M-502 NOT TO SCALE

MECHANICAL DETAILS 2

DWG. M-502

24 May, 2016 — 7:42pm C:\dfile\21502.10—M502.dwg