

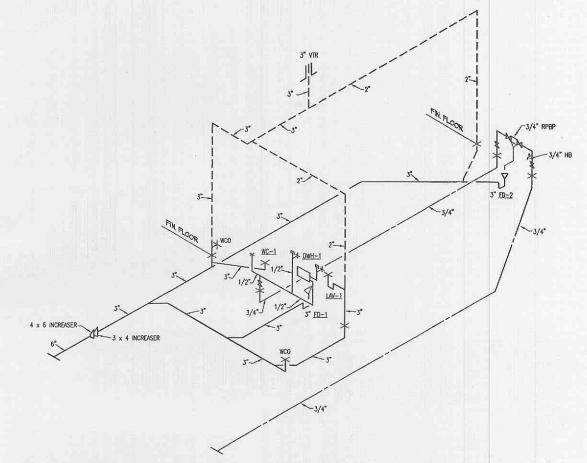
SYMBOLS & ABBREVIATIONS

COLD WATER PIPING (CW) - $-\!\!\bowtie$

HOT WATER PIPING (HW) SANITARY SEWER PIPING VENT PIPING REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) SHUT-OFF VALVE FLOOR DRAIN (FD) HOSE BIBB (HB)

WATER CLOSET (WC) LAVATORY (LAV) DOMESTIC WATER HEATER (DWH) VENT THRU ROOF (VTR) YARD CLEANOUT (YCO) REFRIGERANT SUCTION (RS) REFRIGERANT LIQUID (RL)

PLUMBING FLOOR PLAN SCALE: SCALE: 1/2" = 1'-0"



PLUMBING RISER DIAGRAM 3 PLUM SCALE: NONE

	JMBING FIXTURE	JUITE	DOLL			
MARK	DESCRIPTION	WASTE	VENT	H.W.	C.W.	REMARKS
WC-1	WATER CLOSET - FLOOR MOUNTED	3"	3*	=	1/2"	ADA
LAV-1	WALL HUNG LAVATORY	2"	2"	1/2	1/2"	ADA
FD-1	FLOOR DRAIN	3*	2"	-	÷	
FD-2	FLOOR DRAIN W/FUNNEL	3	2*	-	- 1	
HB-1	HOSE BIBB	-		-	3/4"	
DWH-1	DOMESTIC WATER HEATER	_	_	1/2"	1/2"	

WC−1 Water Closet 1. Fixture: Kohler K-3427, vitreous china, tank type, elongated bowl, white color, 1.6 gpf.
2. Seat: Bemis 3155C, open front seat less cover, white color, antimicrobial agent.

LAV-1 Lavatory 1. Fixture: Kohler K-2867, vitreous china, wall hung, punched for chair carrier, 4-inch centers, white in color.
2. Faucet: Symmons Symmetrix S-20-2-G-FR, Symmetrix single lever with grid stroiner and 0.5 gpm flow restrictor.
3. Supplies: NPS 3/8 chrome-plated copper with stops.

4. Trap: NPS 1-1/2, 17 gauge, chrome plated cost brass.
5. Accessories: TrueBro insulation kit, white in color.

DWH-1 Domestic Water Heater Chronomite "S-46IL", 4600 watts, 208 v, 22 amps, 63 deg. Rise @ 0.5 gpm.

FD-1 J.R. Smith series 2005 floor drain, cost iron body with nickel bronze strainer.

FD-2 J.R. Smith series 2005 floor drain, cast iron body, nickel bronze strainer with funnel.

HB-1 Hose Bibbs: Bronze body with replaceable seat disc complying with ASME A112.18.1M for compression-type faucets. Include NPS 3/4 solder-joint inlet, of design suitable for pressure of at least 125 psig.

RPBP Reduced-Pressure-Principle Backflow Preventer: ASSE 1013, suitable for continuous pressure application. Include ball valves on inlet and outlet, and strainer on inlet; test cocks; and pressure-differential relief valve with ASME A112.1.2 air-gap fitting located between two positive-seating check valves.

Domestic Water Piping above grade: Hard copper tube, ASTM B 88, Type L water tube with copper pressure fittings.

Domestic Water Piping below grade: Soft copper tube, ASTM B 88, Type K water tube. Sanitary Waste and Vent Piping: PVC Pipe, Schedule 40, ASTM D 2665, solid-wall with PVC Socket fittings.



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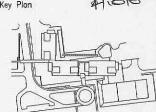
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In association with EDM INCORPORATED STRUCTURAL, CIVIL, AND MEP ENGINEERS 220 Mansion House Center

Date Description Drwn Chk



Date 19 DEC. 2001 Project Code 98-0478-001 Drawn KFS/NJM Checked GEB/GPM CAD File 406M2-1.dwg

Original drawing sheet is 48" x 36"-Scale accordingly if reduced

HVAC AND PLUMBING FLOOR PLAN, DETAILS AND SCHEDULUES

Drawing Number

M2.1

HVAC GENERAL NOTES: 1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO

2. EQUIPMENT MANUFACTURERS AND MODEL NUMBERS LISTED ARE A STANDARD OF QUALITY. SUBSTITUTIONS WILL BE CONSIDERED. SUBMIT PRODUCT DATA FOR ALL EQUIPMENT TO ENGINEER FOR REVIEW.

HVAC KEYED NOTES:

- PROVIDE DUCTLESS-SPLIT SYSTEM INDOOR UNIT, MITSUBISHI MODEL MS09NW. 8,500 BTUH CAPACITY. PROVIDE WITH WIRELESS REMOTE CONTROL. MOUNT UNIT WITH BOTTOM AT 7"-5" A.F.F.
- 2) PROVIDE DUCTLESS-SPLIT SYSTEM OUTDOOR UNIT, MITSUBISHI MODEL KH122WES. ROUTE REFRIGERANT PIPING UP OUTSIDE WALL. PENETRATE WALL ABOVE CEILING AND ROUTE TO INDOOR UNIT. PROVIDE 1/2 INCH THICK FLEXIBLE ELASTOMERIC INSULATION ON REFRIGERANT SUCTION PIPING.
- 3 PROVIDE LITTLE GIANT MODEL EC-400 CONDENSATE PUMP. INSTALL RESERVOIR INSIDE A/C UNIT AND PUMP/CONTROLLER ABOVE CEILING. CONNECT RESERVOIR TO PUMP WITH 1/4" COPPER TUBING. ROUTE 1/4" COPPER TUBING FROM PUMP DISCHARGE ABOVE CEILING AND DOWN WALL AND DISCHARGE AT FLOOR DRAIN. INSULATE TUBING ABOVE CEILING WITH 1/2 INCH THICK FLEXIBLE ELASTOMERIC INSULATION.
- EXHAUST FAN EF-1 TO BE GREENHECK MODEL SP-6. 75CFM @ 0.25 IN WG. PROVIDE SOLID STATE SPEED CONTROL FOR BALANCING, PROVIDE BRICK VENT MODEL BY-8x8. INTERLOCK FAN WITH LIGHT SWITCH. SEE ELECTRICAL DRAWINGS.
- 55 ELECTRICAL WALL HEATER WH-1 TO BE QMARK MODEL AWH-44083 4.0 KW @ 208V, 60HZ, 36. 6 ELECTRIC CEILING HEATER CH-1 TO BE QMARK MODEL EFF-4008, 4.0 KW @208V, 60HZ, 10. PROVIDE WITH LINE VOLTAGE WALL THERMOSTAT.
- 7) ROUTE 1/2" COPPER CONDENSATE DRAIN PIPE DOWN IN WALL. DISCHARGE THRU WALL 6 INCHES ABOVE SIDEWALK.