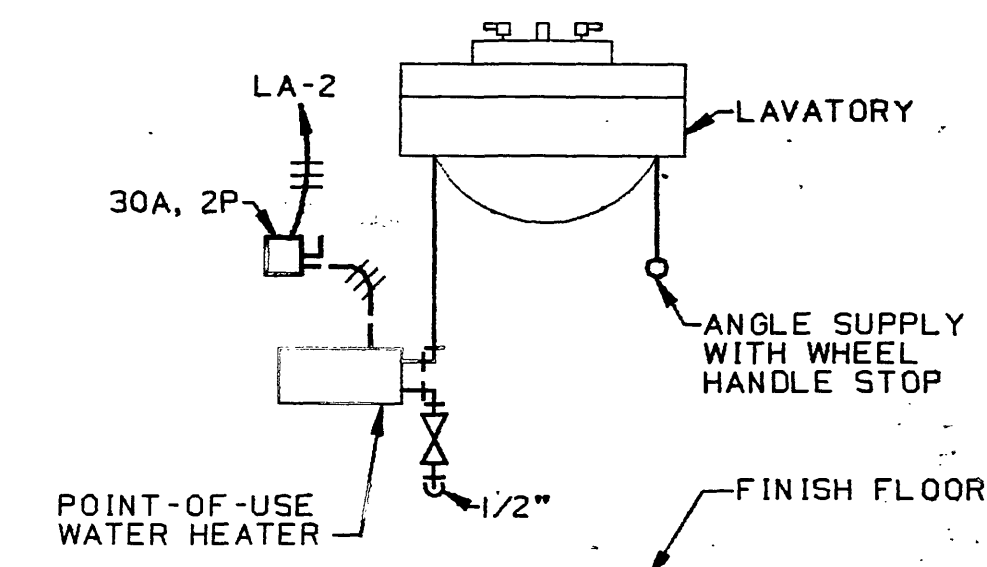
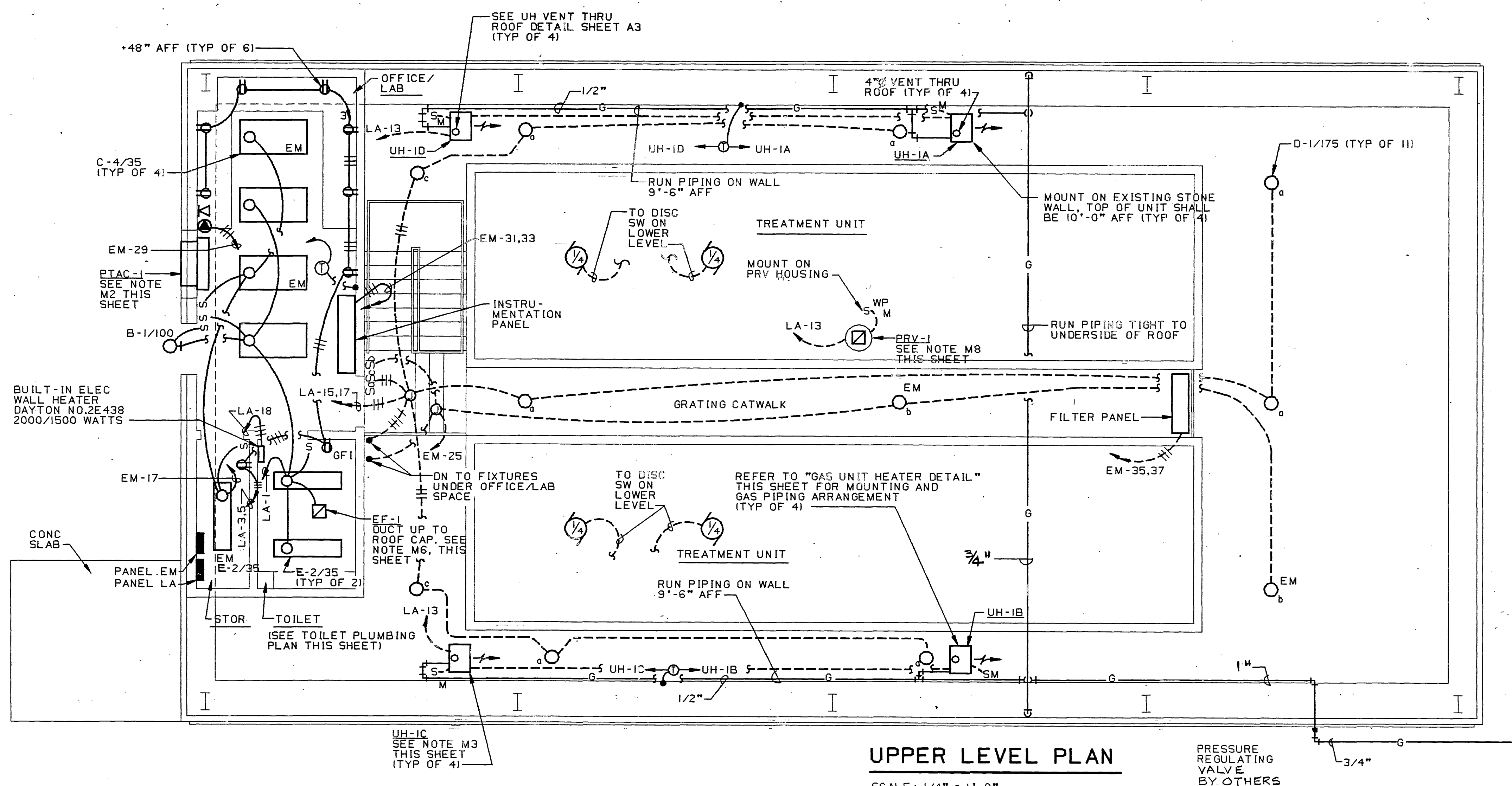
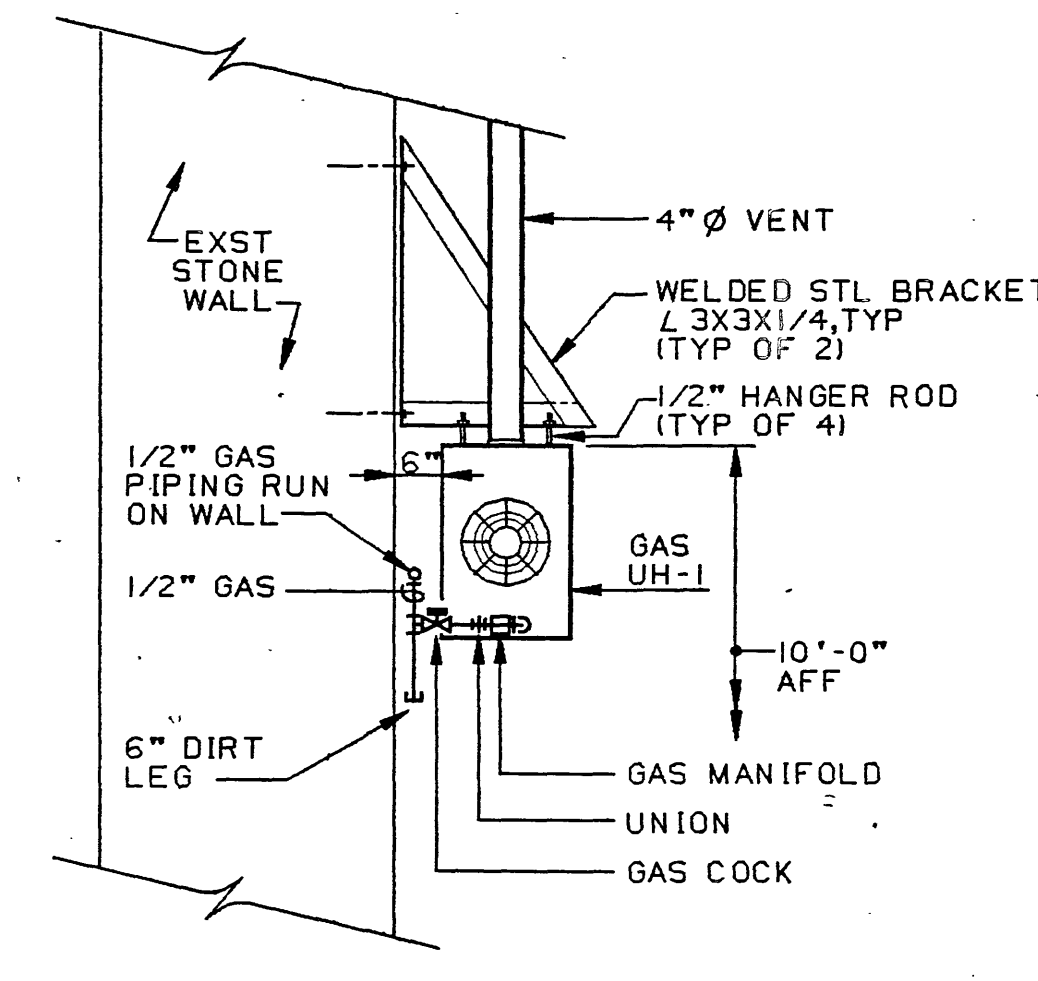
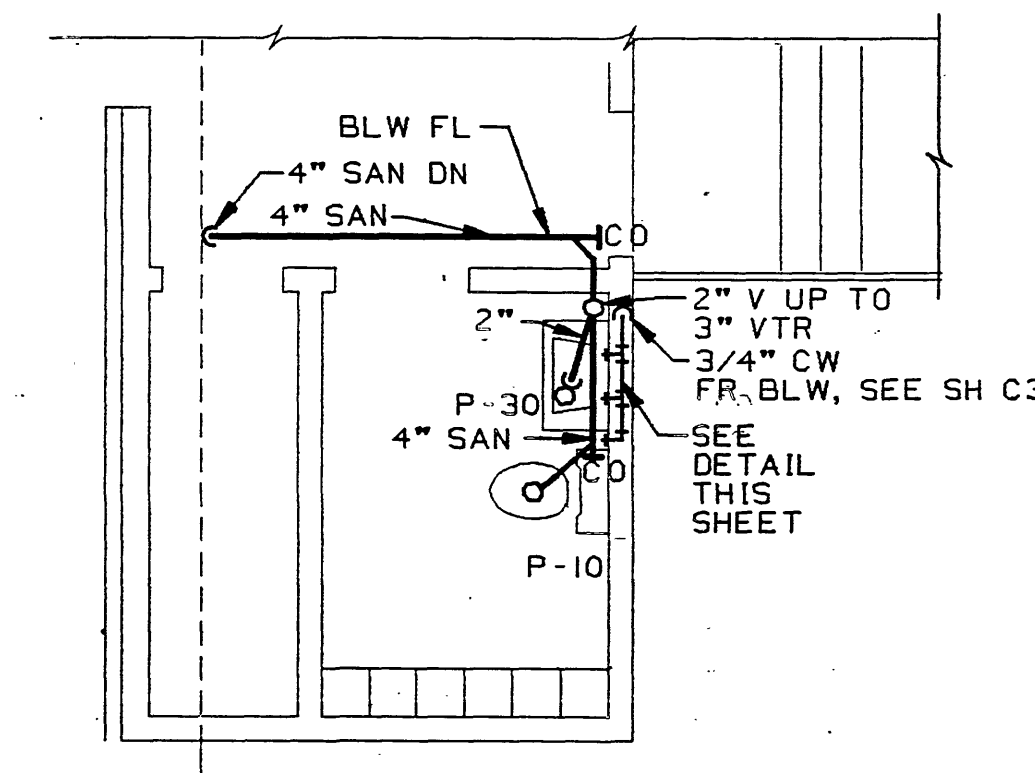




FIXTURE SCHEDULE						
FIXTURE	MARK	MTG HGT	CW	HW	TRAP	VENT
WATER CLOSET	P-10	15"	1/2"	-	-	4"
LAVATORY	P-30	2'-7"	1/2"	1/2"	1 1/4"	2"
EMERGENCY SHOWER/EYE WASH	P-60	7'-0" 3'-4"	1/4"	-	-	-

- FIXTURE SCHEDULE NOTES:**
1. MOUNTING HEIGHTS GIVEN ARE TO FLOOD LEVEL RIM OF FIXTURES.
 2. SEE SH C3 FOR P-60 LOCATION.
 3. FOR COLD WATER PIPING TO TOILET, SEE SH C3.



MECHANICAL NOTES

GENERAL

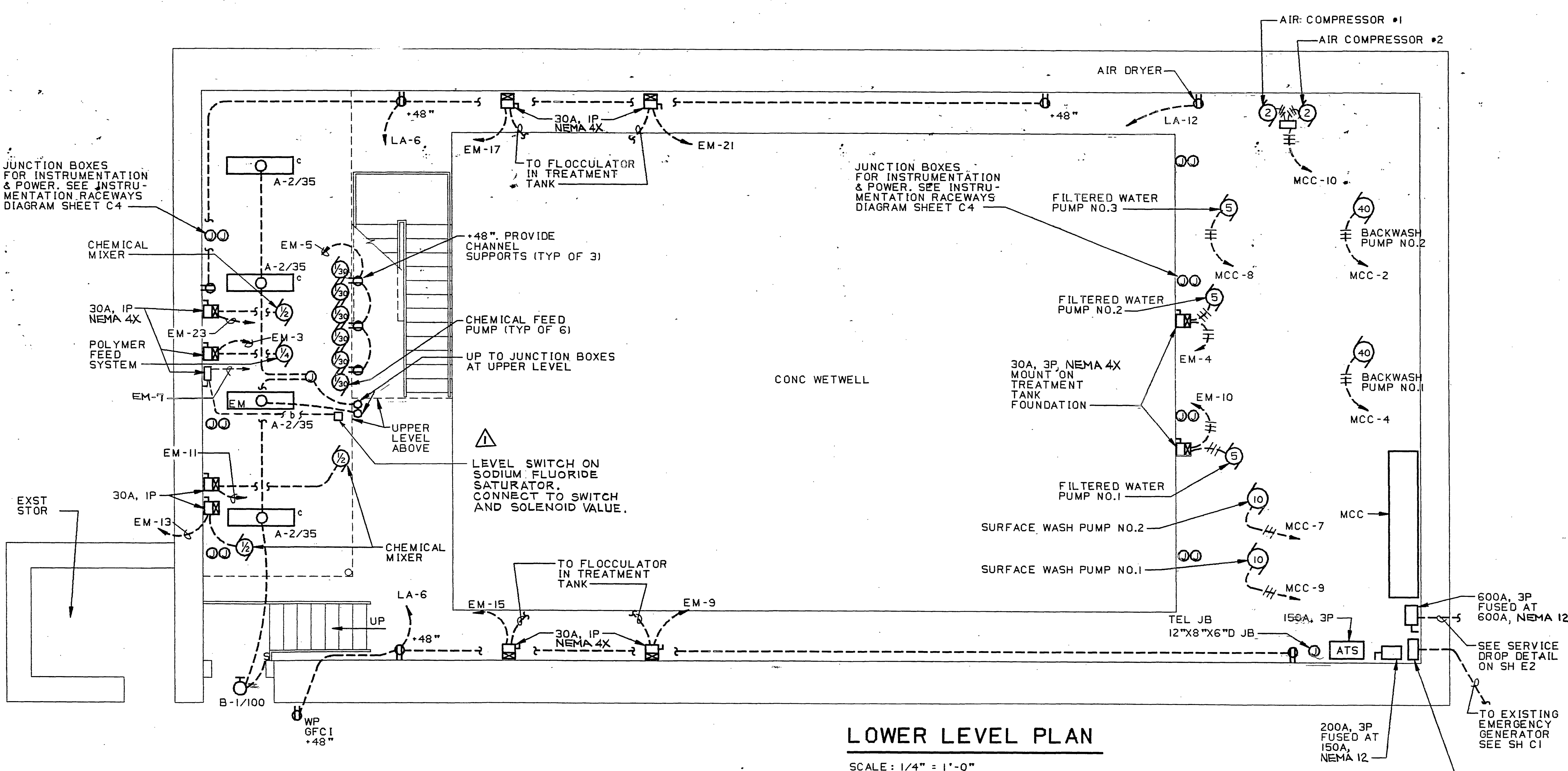
1. SEE SHEET 02 FOR ABBREVIATIONS.
2. MECHANICAL LAYOUTS ARE SCHEMATIC. PROVIDE ANY ADDITIONAL DROPS, RISES, OR OFFSETS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE EXACT ROUTING OF WORK WITH ALL OTHER TRADES AND OBSTRUCTIONS. COORDINATE EXACT LOCATIONS OF CEILING MOUNTED WORK WITH LIGHTS, CEILING GRID, AND OTHER OBSTRUCTIONS.
3. UNLESS OTHERWISE INDICATED, ALL DUCTWORK AND PIPING SHALL BE RUN ABOVE CEILING AND SHALL BE RUN EXPOSED AS HIGH AS POSSIBLE IN AREAS WITHOUT CEILINGS.

EQUIPMENT

- M1. SEE SHEET 02 FOR MECHANICAL SYMBOLS.
- M2. PACKAGED TERMINAL AIR CONDITIONER (PTAC-1); CAPACITIES ARE BASED ON AN INDOOR TEMPERATURE OF 80°F, DB/67°F, WB, 95°F, OUTDOOR TEMPERATURE. COOLING CAPACITIES SHALL BE 14,280 BTUH, 1,930 WATTS. HEATING CAPACITIES SHALL BE 6,800 BTUH, 2,100 WATTS MAX. MIN INDOOR FAN 200 CFM, MIN OR 60 CFM, 208 VOLTS, 1 PHASE.
- M3. UNIT HEATER 1 (UH-1A - UH-1D); GAS - FIRED 32.1 MBH OUTPUT, 120 VOLT, 1 PHASE, MIN 1/30 HP, 800 CFM OF 70°F. AIR, 1050 RPM'S.
- M4. UNIT HEATER 2 (UH-2); GAS - FIRED 44.0 MBH OUTPUT, 120 VOLT, 1 PHASE, MIN 1/30 HP, 800 CFM OF 70°F. AIR, 1050 RPM'S.

4. DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
5. ALL WORK INDICATED SHALL BE NEW UNLESS INDICATED AS EXISTING.
6. CONTRACTOR SHALL VERIFY EXACT SIZES AND LOCATIONS OF EXISTING WORK BEFORE PURCHASING OR FABRICATING NEW WORK FOR CONNECTION TO OR INSTALLATION IN EXISTING WORK.
7. REFER TO SHEETS C1, A1, AND A3 FOR ADDITIONAL MECHANICAL WORK.

- M5. UNIT HEATER 3 (UH-3); ELECTRICAL 10KW OUTPUT, VERTICAL DISCHARGE, 208V, 3 PHASE, 700 CFM, 1550 RPM'S.
- M6. EXHAUST FAN 1 (EF-1); CEILING CABINET FAN WITH GRILLE, 75 CFM, 1/8" STATIC PRESSURE, 50 WATTS, 1050 RPM, 120V, 1 PHASE.
- M7. EXHAUST FAN 2 (EF-2); DIRECT DRIVE PROPELLER WALL FAN 1200 CFM, 1/8" STATIC PRESSURE 1/9 HP, 1550 RPM, 120V, 1 PHASE.
- M8. POWER ROOF VENTILATOR (PRV-1); DIRECT DRIVE, 140 CFM, 1/8" STATIC PRESSURE, 1/80 HP, 1550 RPM, 120V, 1 PHASE.
- M9. POWER ROOF VENTILATOR (PRV-2); DIRECT DRIVE, 70 CFM, 1/8" STATIC PRESSURE, 1/80 HP, 1050 RPM, 120 VOLT, 1 PHASE.
- M10. GRAVITY INTAKE VENTILATOR (GIV-1); 1200 CFM, 1/8" STATIC PRESSURE, MIN THROAT SIZE 20" X 20".



DESIGNED	BLR/LMC	REVISION	DATE	DESCRIPTION	BY	APP
DRAWN	FMP	7/89	7/89	CHANGE PER VDH COMMENTS	JKK	RR
CHECKED	KDS/CEK					
APPROVED	W.P.					
SUBMITTED	RR					
FALLING CREEK WATER PLANT CITY OF ROANOKE, VIRGINIA FILTER BUILDING - MECHANICAL & ELECTRICAL						
HAYES, SEAY, MATTERN & MATTERN ARCHITECTS - ENGINEERS - PLANNERS ROANOKE, VIRGINIA				SCALE	AS NOTED	COMM. NO. 4296
				DATE	30 MAY 1989	SHEET E1

