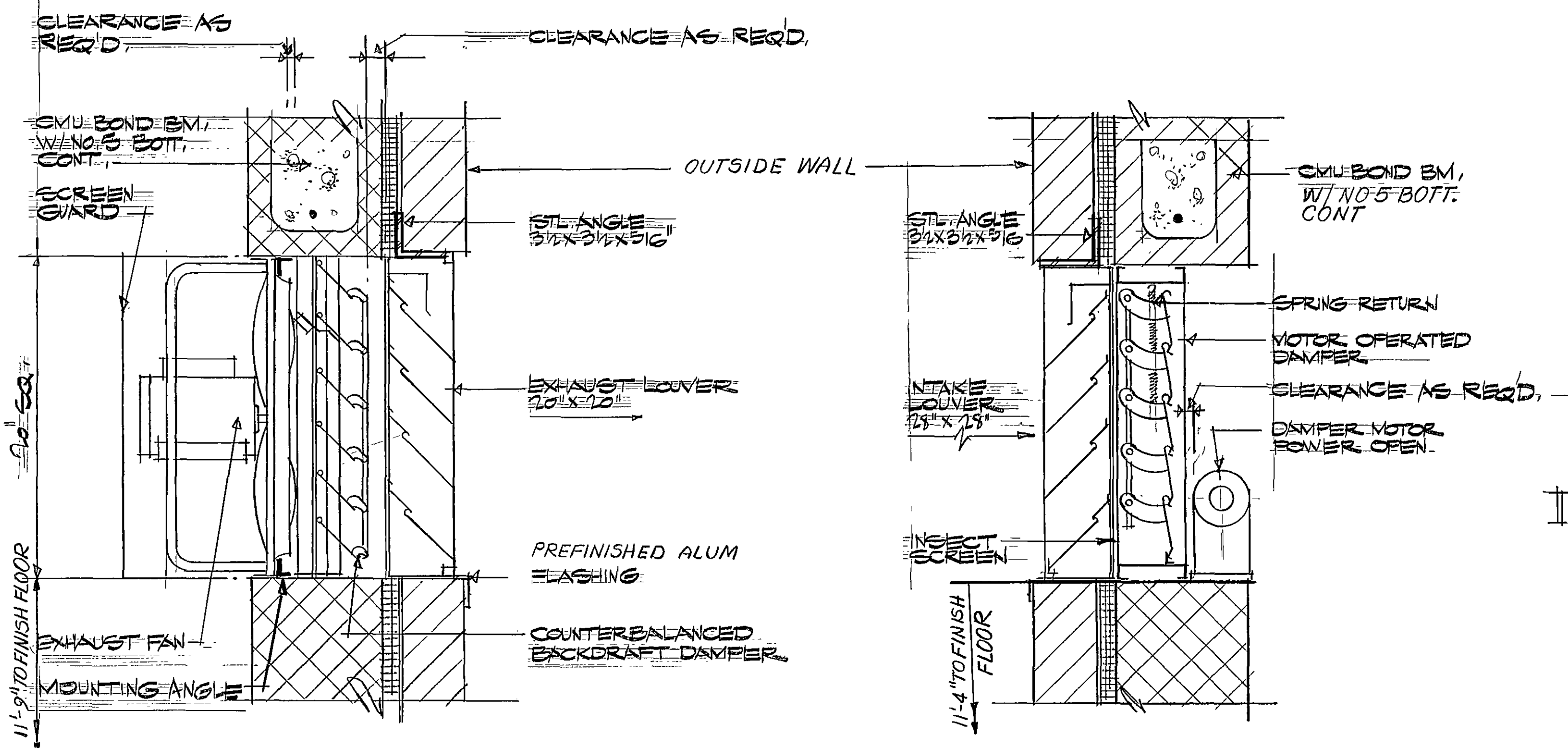


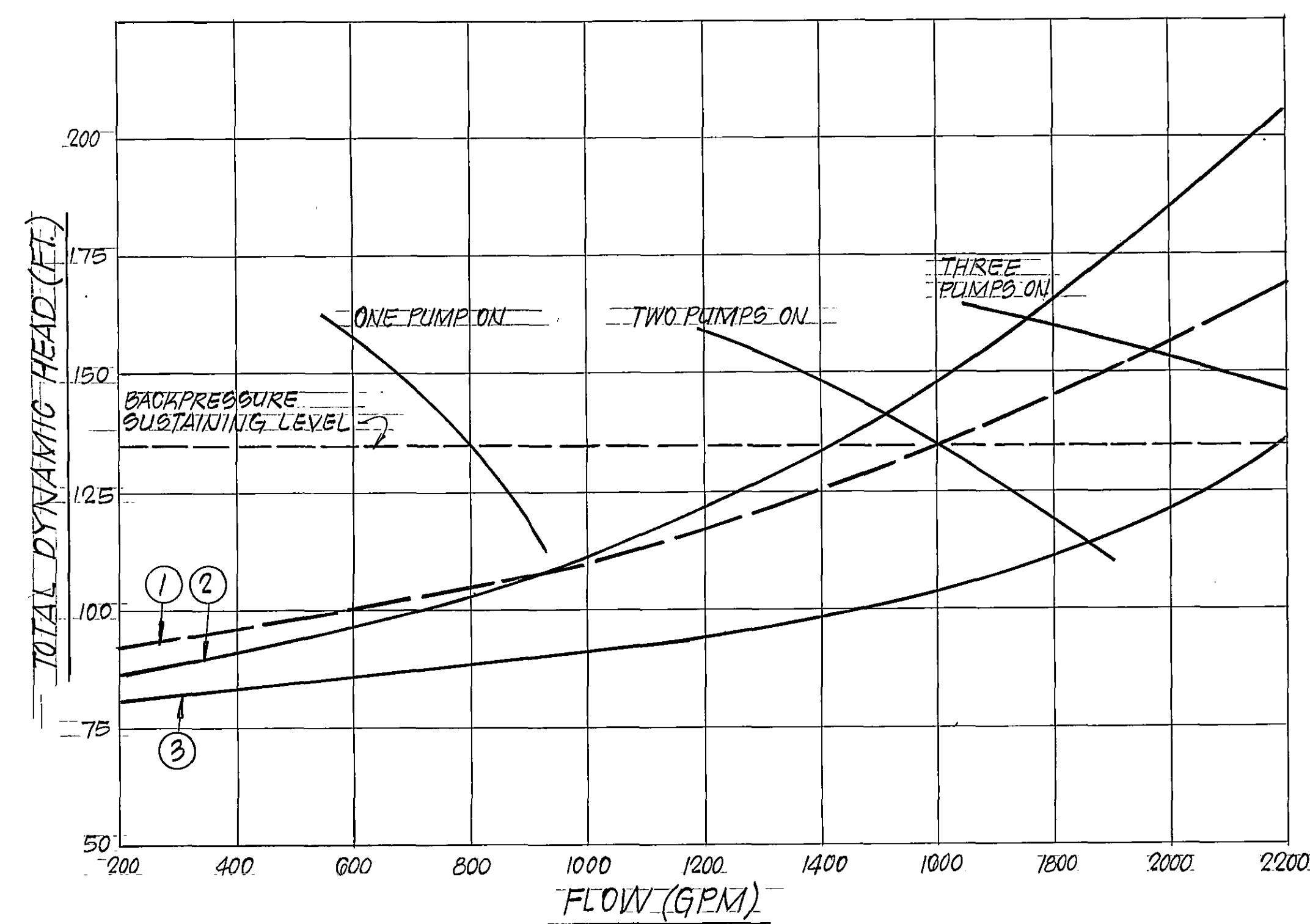


8A FAN/EXHAUST DETAIL 8B AIR INTAKE DETAIL
8 NO SCALE

MECHANICAL EQUIPMENT SCHEDULE				
ITEM	SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION & REMARKS
UNIT HEATER	UH	CHROMALOX	MUH-05-4	5.0 KW, 17.0 MBH 480V, 30, 24 VOLT CONTROL
EXHAUST FAN	FAN	CARNES	LWDA/16K3	1/2 HP, 1160 RPM 1093 CFM AT 1/4" S.P., 13.5 SONES DIRECT DRIVE
HUMIDISTAT	(H)	BARBER COLEMAN	HC2-101	SCALE RANGE 10 TO 90% RH
THERMOSTATS	(T)	BARBER COLEMAN	TC-114	MAKES ON TEMP RISE ABOVE 85°F
	(T)	BARBER COLEMAN	TC-114	MAKES ON TEMP RISE ABOVE 50°F
BACKDRAFT DAMPER COUNTERBALANCED	BD	AIRLINE PRODUCTS	CBD-19-V	16 GA STEEL FRAME, 22 GA. ALUM BLADES, VERTICAL MOUNTING
MOTOR OPERATED DAMPER & INTAKE LOUVER	MOD	AIRLINE PRODUCTS	CXLD	COMBINATION EXTRUDED ALUM. .081 LOUVER FRAME & .063 DAMPER FRAME
MOTOR OPERATOR		BARBER COLEMAN	#MA-405	120 VOLT DAMPER LINKAGE KIT
EXHAUST LOUVER		AIRLINE PRODUCTS	XB-4	EXTRUDED ALUM. .081 BIRD SCREEN COLOR SELECTION BY ENGINEER

SCHEDULE OF SPECIAL NAMEPLATES & IDENTIFICATION		
NAMEPLATE OR ID DESCRIPTION	APPLICATION	TYPE
HEAT T' STAT	AT UNIT HEATER T' STAT	PLASTIC LAMINATE*
FAN/COOL T' STAT	AT FAN 85°F T' STAT	PLASTIC LAMINATE
FAN/LOW LIMIT T' STAT	AT FAN 50°F T' STAT	PLASTIC LAMINATE
FAN STARTER	AT FAN MANUAL STARTER	PLASTIC LAMINATE
FAN HUMIDISTAT	AT FAN HUMIDISTAT	PLASTIC LAMINATE

* PLASTIC LAMINATE SIGNS SHALL BE ENGRAVING STOCK MELAMINE LAMINATE, BLACK WITH WHITE CORE AND PUNCHED FOR MECHANICAL FASTENING. FASTENERS SHALL BE ONE AND ONE-HALF INCH LONG NUMBER SIX PANHEAD SCREWS WITH PLASTIC EXPANSION SHIELDS. SIGNS TO BE PLACED ABOVE APPLICATION POINT AND LETTERING TO BE ONE-HALF INCH HIGH.

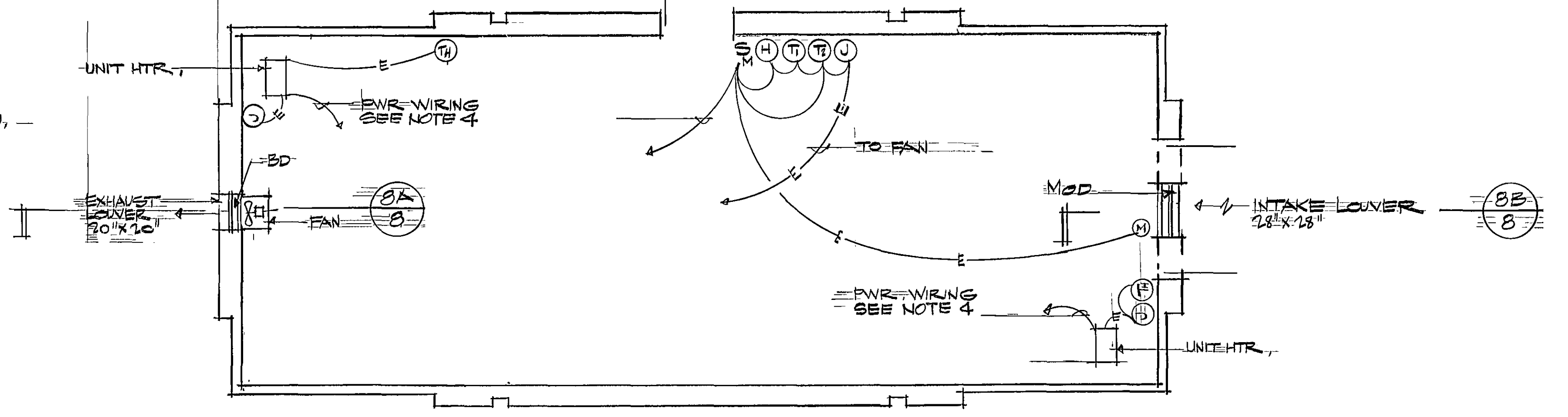


- ① PUMPING ROANOKE TO SALEM
- ② PUMPING SALEM TO ROANOKE (WASHINGTON HEIGHTS TANK)
- ③ PUMPING SALEM TO ROANOKE (EUGENE DRIVE TANK)

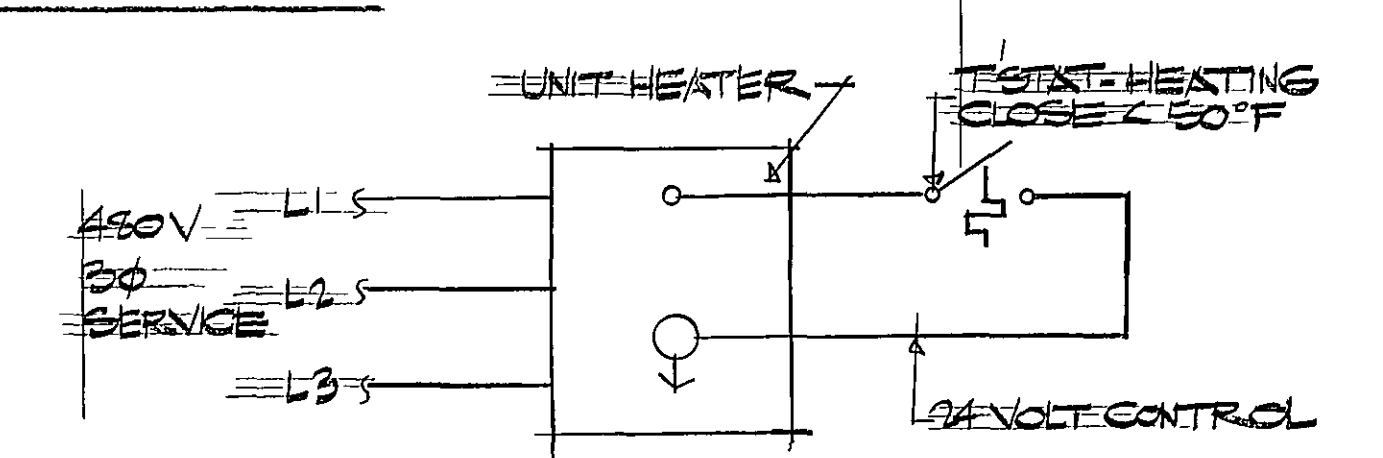
PUMP - WORTHINGTON 4LR-14 IMPELLER 1170 RPM 12.50" IMP, 40 HP
INGERSOLL RAND 6X4X14 LGTS PUMPS - 1750 RPM - 800 GPM 135' TDH - 40 HP - 12" IMP - SEE SH 7 FOR CURVE

PUMP CURVE

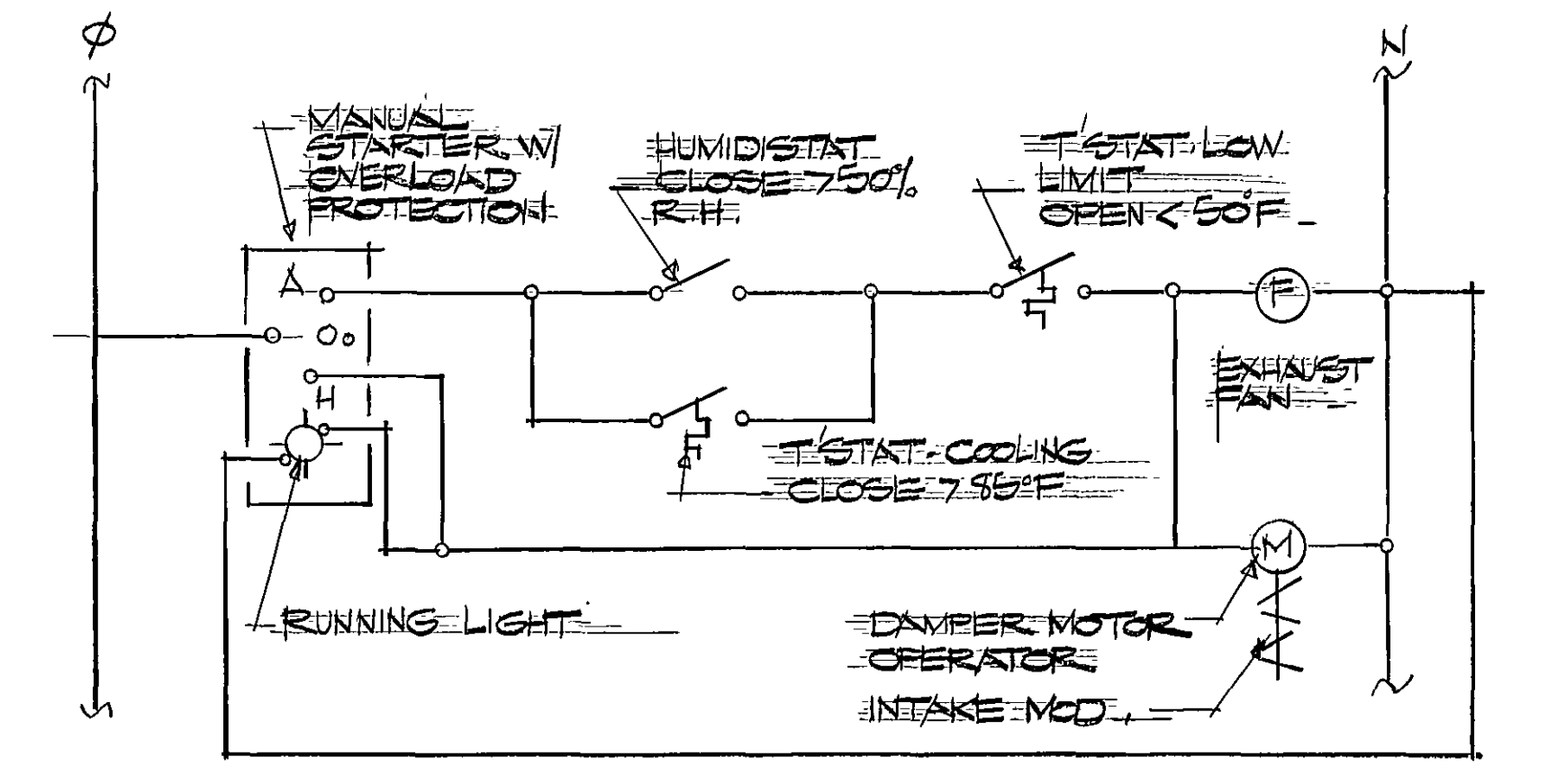
- NOTES:
- ALL WIRING TO BE INSTALLED IN EMT CONDUIT.
 - ALL WIRE RUNG EXCEPT THAT DENOTED BY E-1 TO BE CONCEALED IN WALL CONSTRUCTION.
 - ALL CONTROL DEVICES AND JUNCTION BOXES TO BE FLUSH MOUNTED.
 - SEE SHEET 9 FOR POWER AND THERMOSTAT WIRING.



HVAC PLAN
NO SCALE



UNIT HEATER WIRING DIAGRAM



EXHAUST FAN CONTROL WIRING DIAGRAM

RECORD DRAWING

DESIGNED	SWT	DATE	12/10/87	DESCRIPTION	RECORD DWG	BY	APP
DRAWN	STW	ROANOKE CITY-SALEM INTERCONNECT PUMPING STATION					
CHECKED	STW						
APPROVED	STW						
SUBMITTED		MECHANICAL PLAN					
		SCALE	NOTED	COMM NO	566		
		DATE	JUNE 86	SHEET	8		

