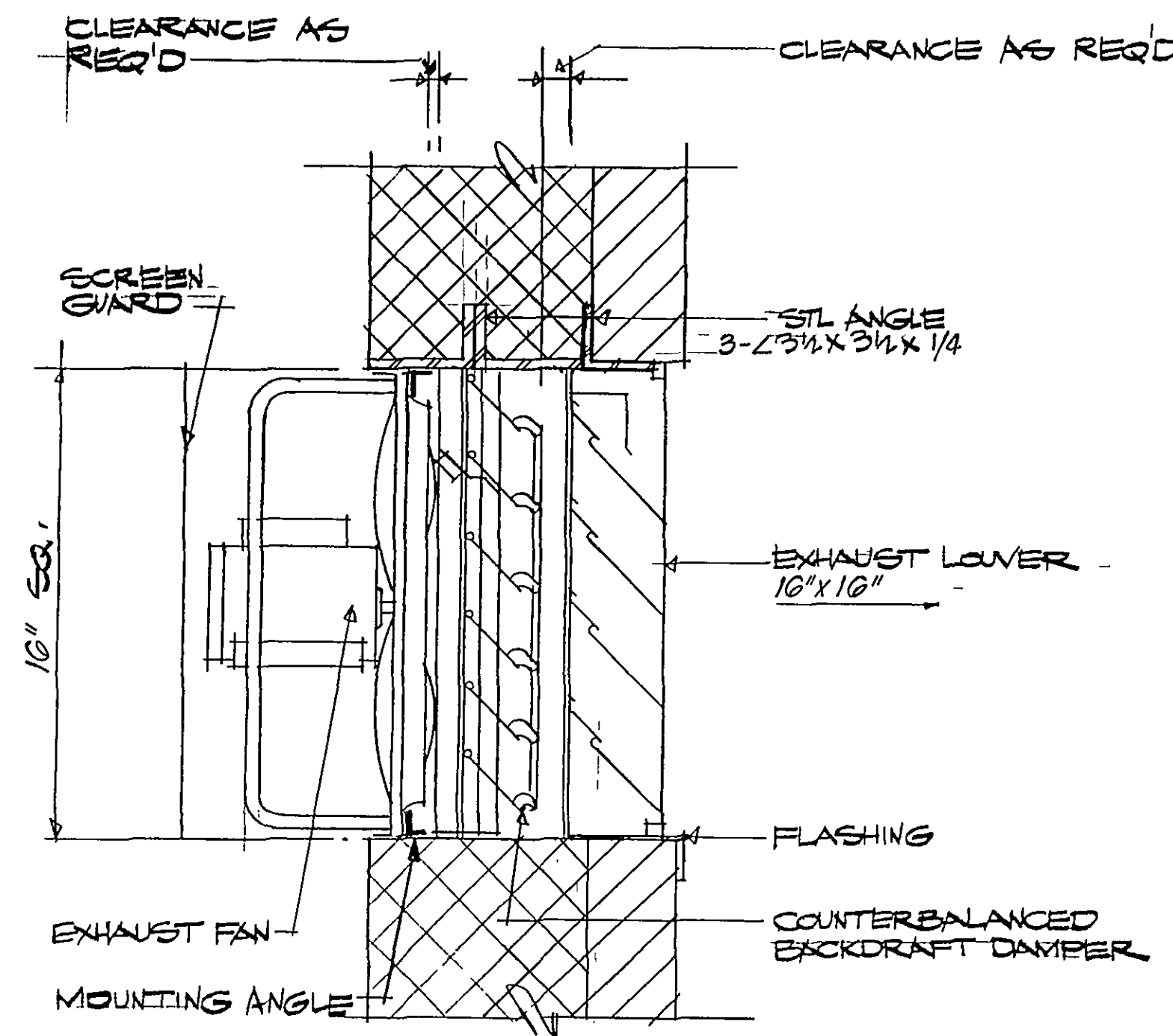
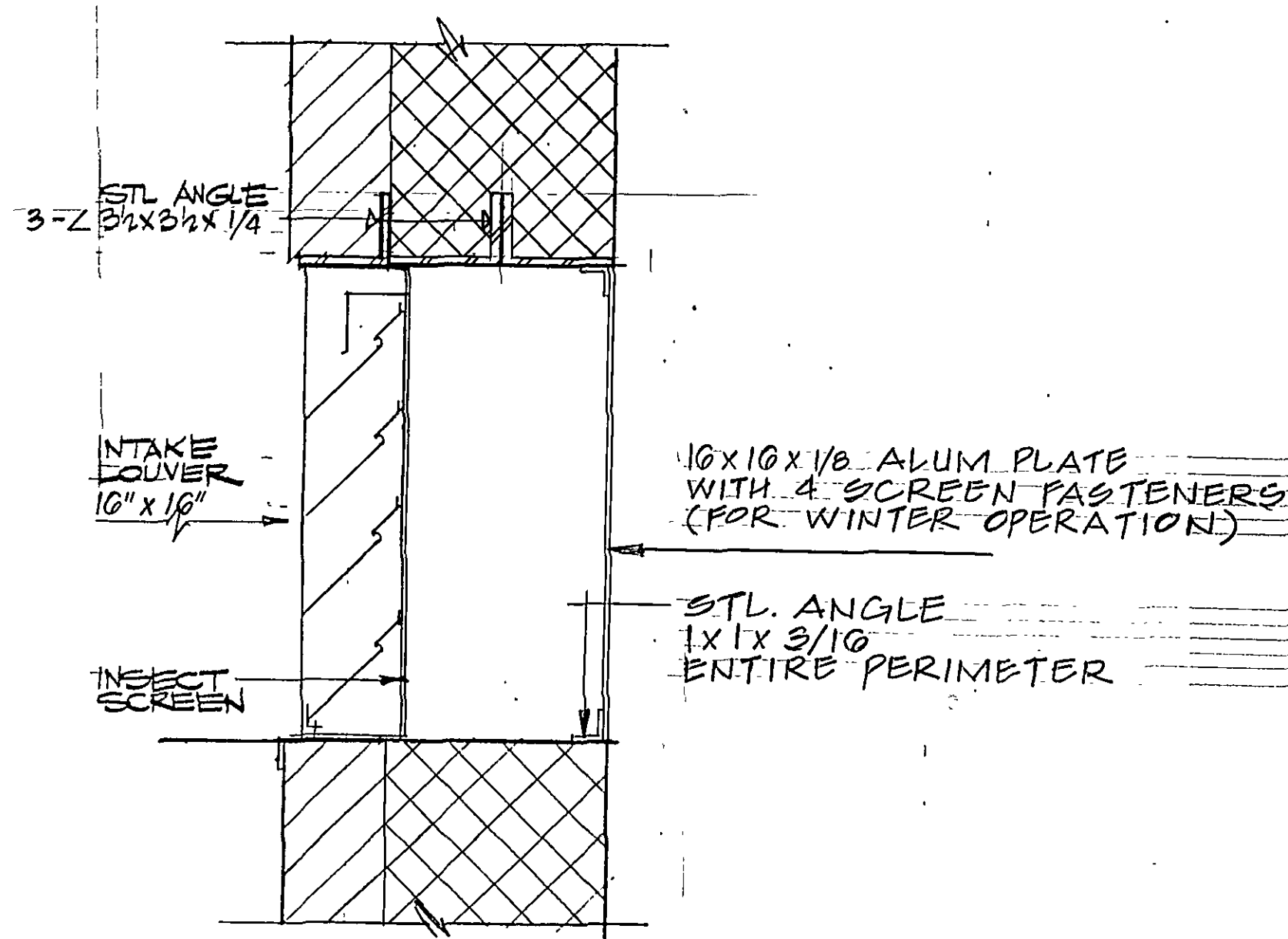
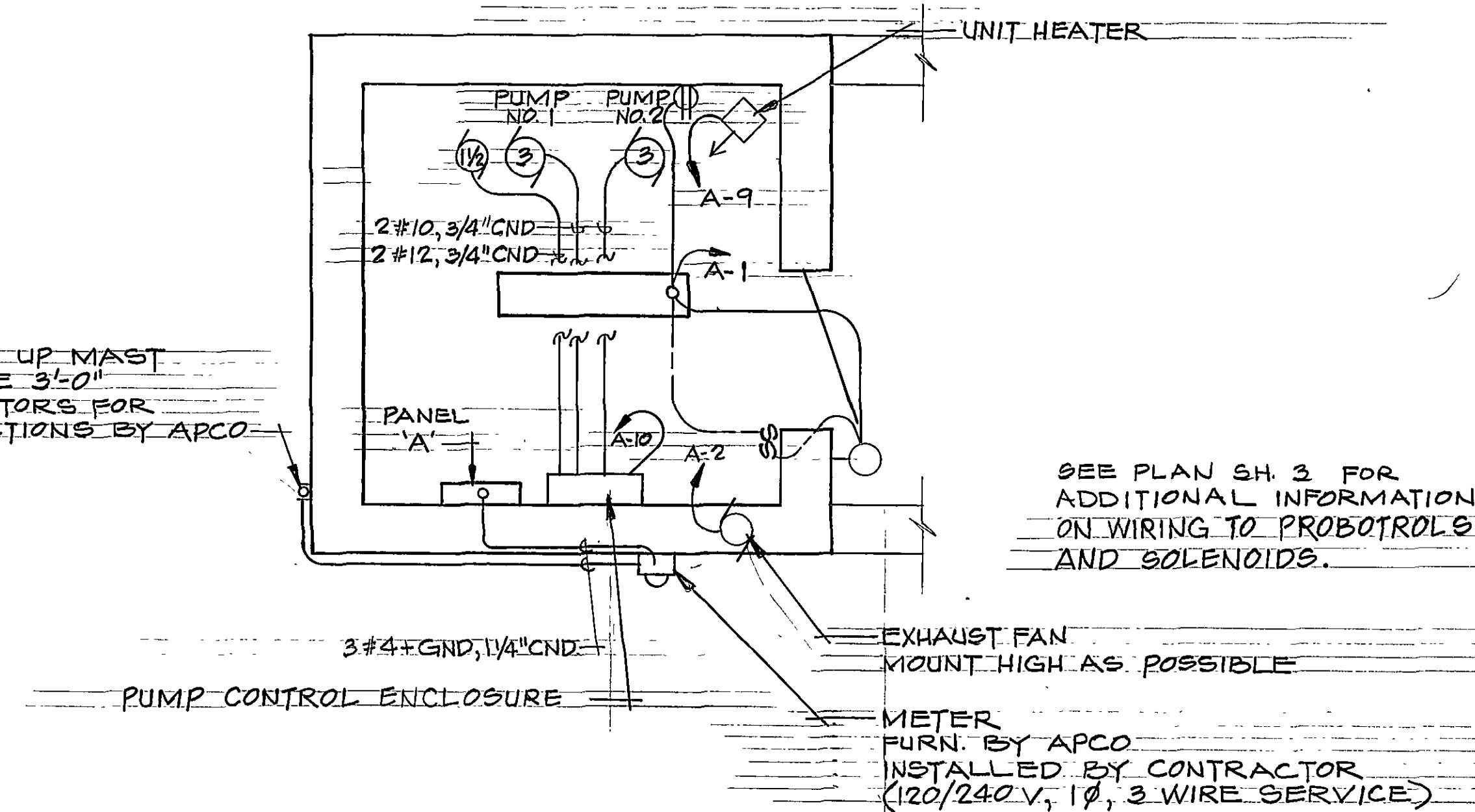




FAN/EXHAUST DETAIL
NO SCALE



AIR INTAKE DETAIL
NO SCALE



ELECTRICAL PLAN

3/8" = 1'-0"

LEGEND

- FLUORESCENT LIGHTING FIXTURE BENJAMIN CAT. NO. FA 2424-4R, CEILING MOUNTED, 2-40 WATT COOL WHITE LAMPS, HIGH IMPACT LENS
- HPS FIXTURE, WALL MTD., MH=7'-0", KIM CAT. NO. LLP-50/BL-E WITH PHOTO CONTROL AND 1-70W HPS LAMP.
- SWITCH, SINGLE POLE, MH=4'-0" TO BOTTOM
- DUPLEX RECEPTACLE, MH=2'-0" TO BOTTOM
- SWITCH CONTROL WIRING IN CONDUIT
- BRANCH CIRCUIT WIRING IN CONDUIT
- HOMERUN TO PANEL AND CIRCUIT INDICATED
- MOTOR ON EQUIPMENT NOTED, NUMBER INDICATES HORSEPOWER

JOHN B. OBENCHAIN
CONSULTING ENGINEER

SCHEDULE - PANELBOARD A

JOB ROUNDHILL PUMP STATION				DATE 5-20-86				CHECKED BY [Signature]				COMMISSION NO. 635			
NO.	BKR	WIRE	SIZE	LOAD DESCRIPTION	PH	PH	PH	PH	PH	PH	PH	LOAD KVA	PH	PH	PH
1	1	20	12	LIGHTS & RECEPT	0							1.5			
2	1	20	12	AFTERCOOLER											
3	1	20	12	SPACE ONLY											
4	1	20	12	UNIT HEATER	1.5							4.2			
5	1	20	12	PLANPAK	1.5							4.2			
6	1	20	12												
7	1	20	12												
8	1	20	12												
9	1	20	12												
10	1	20	12												

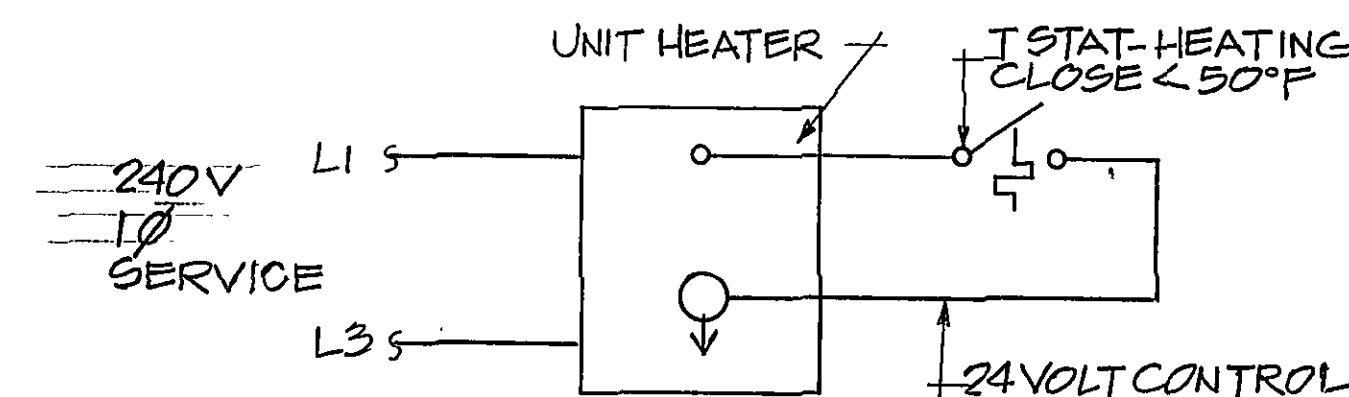
VOLTAGE 120/240 1 PHASE 3 WIRE MOUNTING SURFACE
BUS AMPS 100 MAIN BREAKER AMPS 70 SUBFEED LUGS NO

MECHANICAL EQUIPMENT SCHEDULE					
ITEM	SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	ACCESSORIES & REMARKS
UNIT HEATER	UH	CHROMALOX	MUH-03-2	3.0 KW, 240V, 1Ø, 24 VOLT CONTROL	#MMB-5 MOUNTING BRACKET, #MR-1E30 T'STAT WITH BARBER COLEMAN #AT-1163 GUARD
EXHAUST FAN	FAN	CARNES	LWDA/12K3	1/6 HP, 1160 RPM 353 CFM AT 1/4" S.P., 15.4 SONES DIRECT DRIVE	HEAVY DUTY MOTOR SIDE GUARD
TEMPERATURES	T ₁	BARBER COLEMAN	TC-114	MAKES ON TEMP RISE ABOVE 85°F	#AT-1163 WIRE GUARD
	T ₂	BARBER COLEMAN	TC-114	MAKES ON TEMP RISE ABOVE 50°F	#AT-1163 WIRE GUARD
BACKDRAFT DAMPER COUNTERBALANCED	BD	AIRLINE PRODUCTS	CBD-19-V	16 GA STEEL FRAME, 22 GA. ALUM BLADES, VERTICAL MOUNTING	-ADJUST COUNTERBALANCE FOR EASY OPENING
LOUVERS		AIRLINE PRODUCTS	XB-4	EXTRUDED ALUM. - .081	BIRD SCREEN ON EXHAUST, INSECT SCREEN ON INTAKE COLOR SELECTION BY ENGINEER

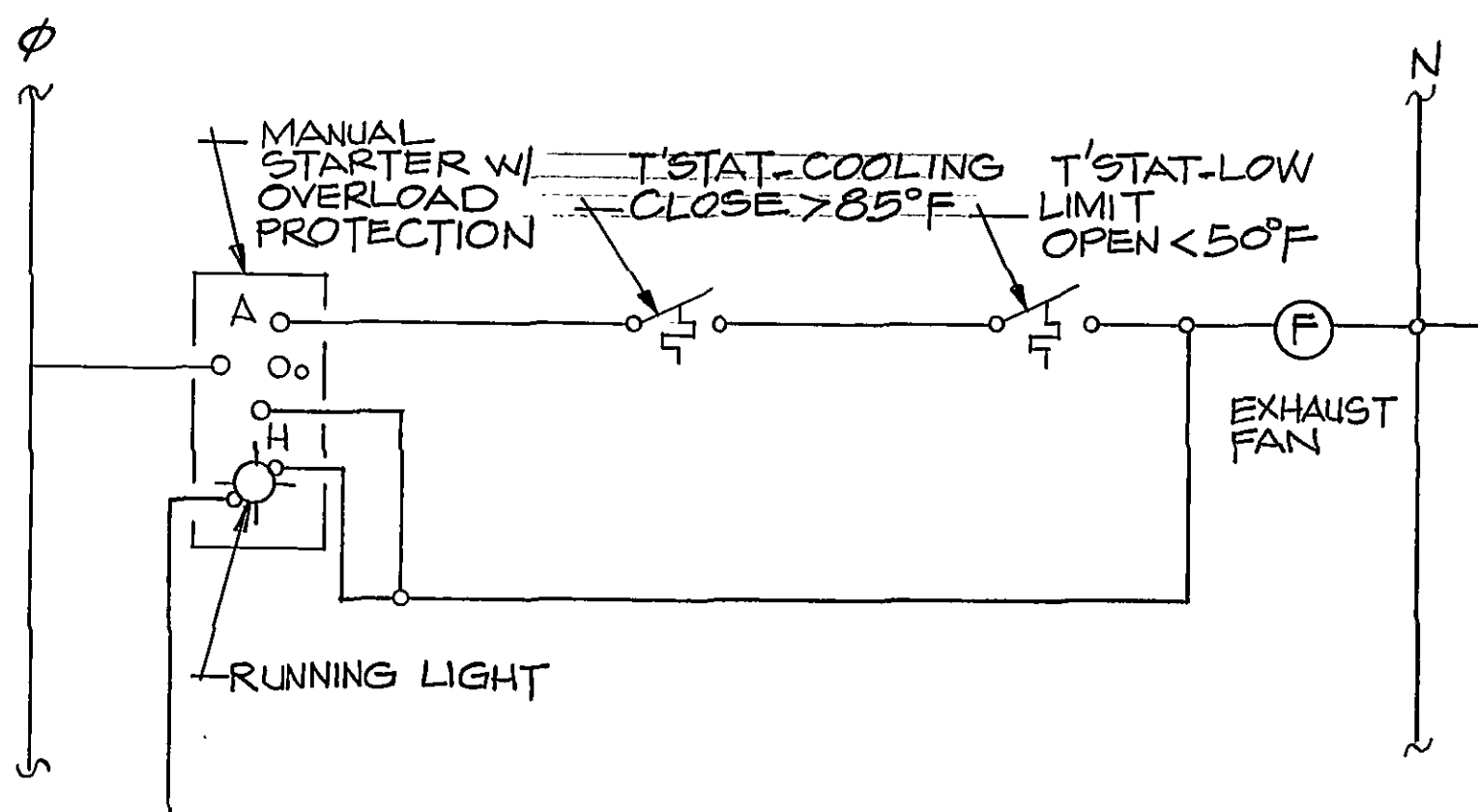
SCHEDULE OF SPECIAL NAMEPLATES & IDENTIFICATION

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

* 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.



UNIT HEATER WIRING DIAGRAM



EXHAUST FAN CONTROL WIRING DIAGRAM

DESIGNED	ROUND HILL PUMP STATION		
DRAWN			
CHECKED [Signature]	MECHANICAL AND ELECTRICAL PLAN		
APPROVED			
SUBMITTED			
SCALE: NOTED		COMM. NO. 635	
DATE MAY '86		SHEET 5	

Mattern & Craig
CONSULTING ENGINEERS