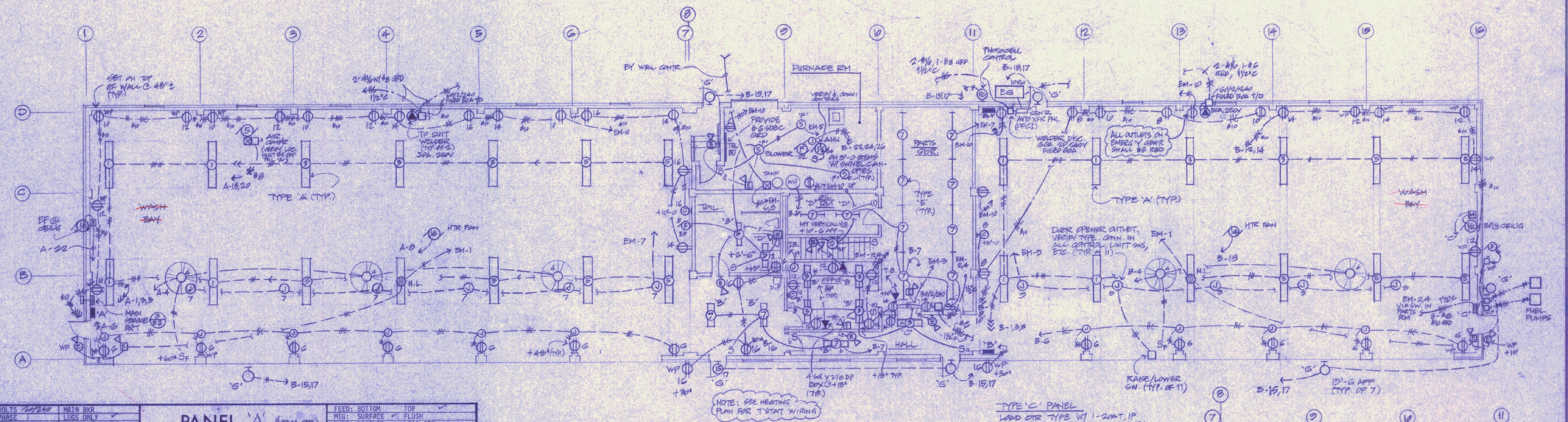
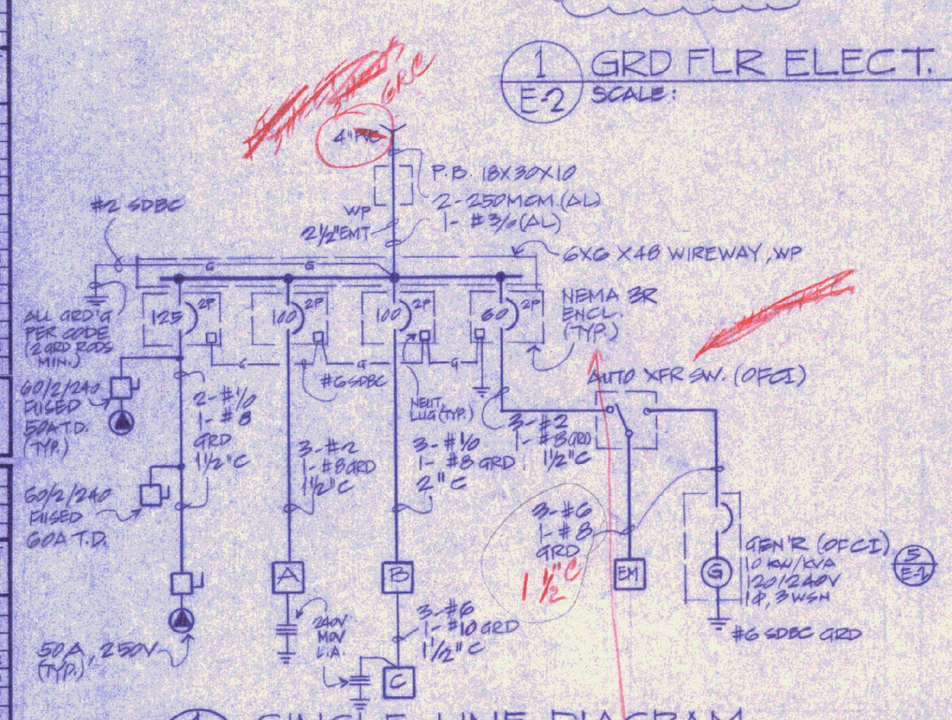
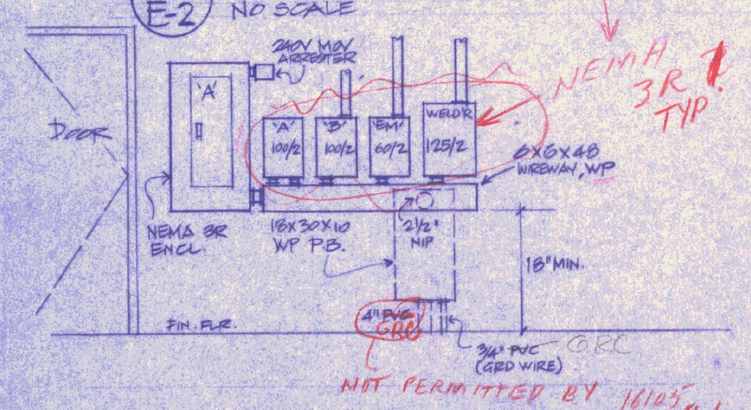


1 E-2 GRD FLR ELECT. PLAN
SCALE: 1/8" = 1'-0"

TYPE 'C' PANEL
LOAD CTR TYPE W/ 1-22AT, 1P & 3-22AT 2P (SW'D NEUT.) BOLTED TO 120/240V, 1Ø, 3WSN, 125A MLO, 20 POS'N, NEMA 3R ENCL.



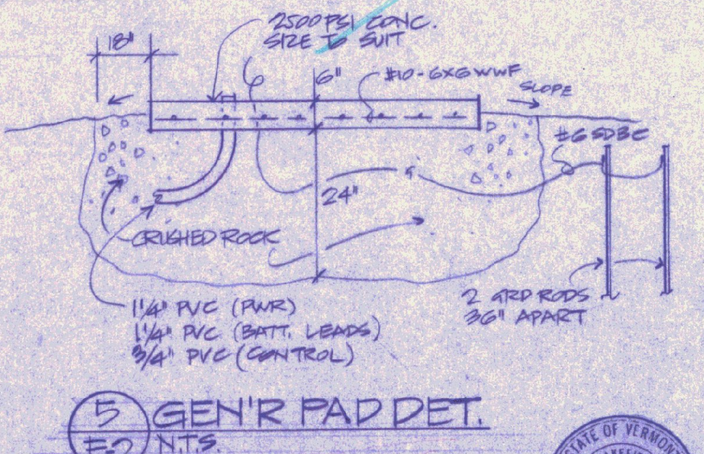
4 E-2 SINGLE-LINE DIAGRAM
NO SCALE



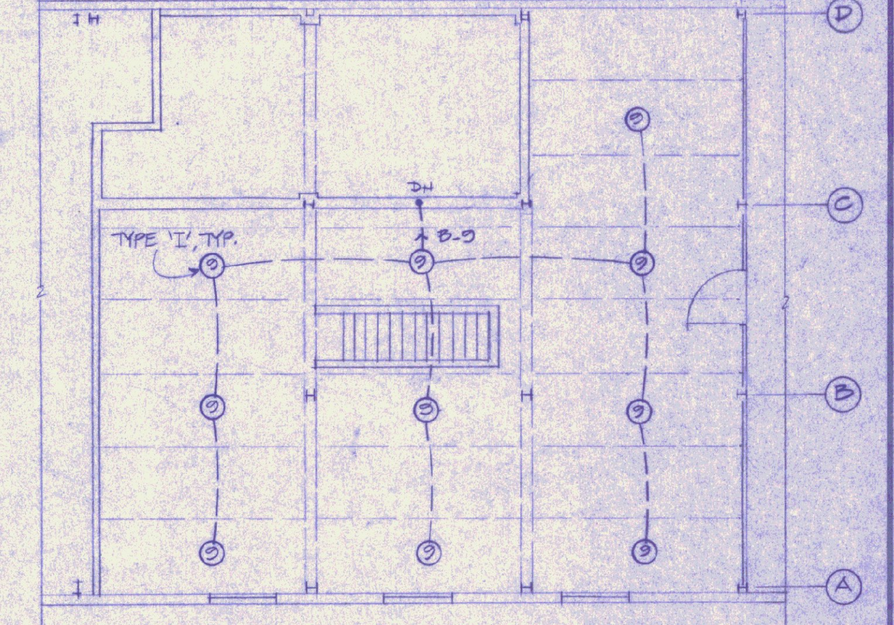
3 E-2 SER. EQ'T ELEV.
N.T.S.

LIGHTING FIXTURE SCHEDULE		
TYPE	DESCRIPTION	REF. TO
A	8000 MA FLUOR. INDUSTRIAL, 10'3" UP LIGHT, 120V BALLAST, 2 LAMPS	LITHONIA AF10 220 HO
B	2-LAMP 40W RS WRAP-AROUND W/ ACRYLIC PRISM. DIFF'R, 120V BALLAST	LITHONIA 2LB 240A 120
C	1-LAMP SURFACE FLUOR., VANDAL-PROOF	ACME-DUNBAR 511-140
D	SIMILAR TO 'C', 2 LAMPS	ACME-DUNBAR 511-240
E	2-LAMP TANDEM 96"L 40W RS STRIP, FLUOR., 120V 2 LAMP BALLAST	LITHONIA C 240 120 (8T)
F	INDUSTRIAL INCAND. PORCELAIN REFLECTOR, 150A LAMP, STD DOME	BSH-LIGHTING V5042
G	HID WALL BRCT., 130W H.P.S. ASYM. DISTR., 240V BALLAST	HOLOPHANE 1482-240
H	INCAND. WALL BRCT., 75W LAMP, VANDAL PROOF, STD SCREWS	ACME-DUNBAR 202
I	KEYLESS PORCEL. RECEPT W/ WIRE GUARD, 150W LAMP	-

5 160F + 7 Envirofan w/ 150F Control for each end



5 E-2 GEN'R PAD DET.
N.T.S.



2 E-1 MEZZ. ELECT. PLAN
SCALE: 1/8" = 1'-0"

PANEL 'A' (NEMA 3R)

VOLTS 120/240 | MAIN BKR | FEED: BOTTOM ✓ TOP
PHASE 1 | LUGS ONLY | MTG: SURFACE ✓ FLUSH
NEUTRAL ✓ | BKR TYPE QP | TYPE: PANELBD ✓ LOAD CTR
BUS 100A | BKR A.I.C. 10K | DOOR: WITH ✓ WITHOUT

CKT NO.	LOAD	QTY	BKR P	BKR A	L1	L2	L3	BKR A	BKR P	QTY	LOAD	CKT NO.
1	LTG +	4	1	20	1000	500		20	1	-	SPARE	2
3	" +	5					1250			3	O.H. FANS	4
5	" +	4			1000	1250				7	C.O.'s	6
7	SPARE						500			1	UTIL FAN	8
9	"			↓	500	720				4	C.O.'s	10
11	PFD			-			-			4	"	12
13				-	-	720	-			4	"	14
15				-			-			4	" + CLOCK	16
17				-	-	3200	-	30	2	1	AIR COMPR., 5HP	18
19				-			-	-	-	"	"	20
21				-	-	1100	-	20	1	-	E.F. ½ HP	22
23				-			-			-	PFD	24
25				-	-	-	-			-		26
27				-			-			-		28
29				↓	-	-	-			-		30
SUB-TOTAL					3500	7280	1750					
CONNECTED LOAD / PHASE					12530 VA							
DEMAND LOAD / PHASE					12530 VA							
TOTAL DEMAND LOAD					12530 VA							

HIGH LEG CURRENT | REMARKS: + PAINT BKR HANDLES YELLOW (U.L. LISTED PER SW'D)

PANEL 'B'

VOLTS 120/240 | MAIN BKR
PHASE 1 | LUGS ONLY
NEUTRAL ✓ | BKR TYPE QP
BUS 100A | BKR A.I.C. 10K

FEED: BOTTOM ✓ TOP
MTG: SURFACE ✓ FLUSH
TYPE: PANELBD ✓ LOAD CTR
DOOR: WITH ✓ WITHOUT

CKT NO.	LOAD	QTY	BKR P	BKR A	L1	L2	L3	BKR A	BKR P	QTY	LOAD	CKT NO.
1	LTG +	4	1	20	1000	800		20	1	-	SPARE	2
3	" +	9					750	400		2	O.H. FANS	4
5	" +	4			1000					6	C.O.'s	6
7	"	9				1800	540			4	" + CLOCK	8
9	LTG MEZZ.	11			1450	360				2	"	10
11	SPARE	-		↓		500	540			3	"	12
13	"	-		-	600	540				3	"	14
15	EXTR LTS	7	2	↓		700	900			5	"	16
17	"	-	-	-	700	500	-			-	SPARE	18
19	PFD	1	-		-		1200			1	WATER HTR	20
21			-		-	1150		20	2	1	BOILER BLOWER (AHU) 1½ HP	22
23			-				-	-	-	-		24
25			-		-	150		-	1	1	FORCED DRAFT FAN	26
27			-				-	-			PFD	28
29			-	↓	-	-	-	-		-		30
SUB-TOTAL					5500	6000	3940					
CONNECTED LOAD / PHASE					15440 VA							
DEMAND LOAD / PHASE					15440 VA							
TOTAL DEMAND LOAD					15440 VA							

HIGH LEG CURRENT | REMARKS: ✕ 15FI BKR. + PAINT BKR HANDLES YELLOW (U.L. LISTED PER SW'D).

PANEL 'EM'

VOLTS 120/240 | MAIN BKR
PHASE 1 | LUGS ONLY
NEUTRAL ✓ | BKR TYPE QP
BUS 100 | BKR A.I.C. 10K

FEED: BOTTOM ✓ TOP
MTG: SURFACE ✓ FLUSH
TYPE: PANELBD ✓ LOAD CTR
DOOR: WITH ✓ WITHOUT

CKT NO.	LOAD	QTY	BKR P	BKR A	L1	L2	L3	BKR A	BKR P	QTY	LOAD	CKT NO.
1	LTG	2	1	20	800	1500		40	2	1	PANEL 'B'	2
3	"	9					900	1500		-	"	4
5	" + FAN	6			750	900				2	WATER PUMP (¾ HP)	6
7	O.H. DOORS ✕	6					1100	800		-	"	8
9	" " ✕	15			1100	1080				2	C.O.'s	10
11	SPARE	-		↓			500	900		1	C.O.'s + CLOCK	12
13	PFD	-		-	-	540				3	"	14
15				-			-	-		-	PFD	16
17				-	-	-				-		18
19				-			-	-		-		20
21				-	-	-				-		22
23				↓			-	-		-		24
SUB-TOTAL					2550	3200	1500	3240				
CONNECTED LOAD / PHASE					9230		5700					
DEMAND LOAD / PHASE	125% PNEC 695				4600		4590					
TOTAL DEMAND LOAD					21120 VA							

HIGH LEG CURRENT 39.0A | REMARKS: ✕ DOORS TO BE 0P'D SIMULT.

ISSUE RECORD			
NO.	DATE	DESCRIPTION	NO. PRINTS

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

ELECTRICAL PLANS & DETAILS

DATE: 9-22-85	SCALE: AS NOTED	REVISIONS:	DWG NO. E-2
DRAWN BY: RYSW.	APPROVED BY:		OF

Wakefield Ward & Associates
Consulting Electrical Engineer — Stowe, Vermont

STATE OF VERMONT ROBERT WAKEFIELD WARD No. 3841 REGISTERED PROFESSIONAL ENGINEER