ELECTRICAL LEGEND & ABBREVIATIONS

(B)	SURFACE MOUNTED FLUORESCENT FIXTURE, TYPE AS INDICATED, REFER TO SCHEDULE AND SPECIFICATIONS. SUBSCRIPTS: a = SWITCHGROUP, NL = UNSWITCHED NIGHT LIGHT.
T_a	WALL MOUNTED, INCANDESCENT, COMPACT FLUORESCENT OR H.I.D. FIXTURE REFER TO SCHEDULE AND SPECIFICATIONS. TYPE AS INDICATED. SUBSCRIPTS: a = SWITCHGROUP, NL = UNSWITCHED NIGHT LIGHT, P= PHOTO CONTROLLER, MS MOTION SENSOR CONTROLLER
S_a	SINGLE POLE SWITCH, MH = 4'-0" U.O.N.
	DOUBLE DUPLEX RECEPTACLE, MH = 2'-0" U.O.N., XX"= MOUNTING HEIGHT XX".
	DUPLEX RECEPTACLE WITH 5 MA G.F.C.I., MH = 2'-0" U.O.N., XX"= MOUNTING HEIGHT XX".
M	MOTION DETECTOR SENSOR
	BRANCH CIRCUIT WIRING.
LP-1	HOME RUN TO PANELBOARD AND CIRCUIT BREAKER INDICATED.
LP	PANELBOARD WITH DESIGNATION, 120/240 VOLTS, REFER TO SCHEDULE. MH = 6'-0" TO TOP.
	UTILITY METER, MH = 5'0"
T	CONTROL TRANSFORMER (120VAC TO 24VDC) PROVIDED BY M.C.
1/2	MOTOR WITH HORSEPOWER DESIGNATED, F= FRACTIONAL HORSEPOWER LESS THAT 1/8 HP.
CP	PRE-WIRED CONTROL PACKAGE FURNISHED WITH EQUIPMENT.
S_M	TOGGLE TYPE MOTOR DISCONNECT SWITCH, HP RATED, MH = 4'-6" U.O.N. OR ON EQUIPMENT.
S_B	BURNER EMERGENCY SWITCH, REFER TO SPECIFICATIONS, MH = 4'-6" U.O.N. PROVIDED WITH RED "EMERGENCY" FACE PLATE.
	EXHAUST FAN - FRACTIONAL H.P.
UH	UNIT HEATER, PROVIDED BY MECH. CONTR., WIRED BY ELECT. CONTR., GFUH= GAS FIRED UNIT HEATER.
	FIR-O-MATIC SWITCH, CEILING MOUNTED.
	DISCONNECT SWITCH, MH = 6' - 0" OR ON EQUIPMENT, 60/40 = FRAME/FUSE SIZE, N = NOT FUSED.
	MOTORIZED DAMPER, PROVIDED BY MECH. CONTR. WIRED BY ELECT. CONTR.
▼	TELEPHONE OUTLET, MH = 2'-0" U.O.N., SUBSCRIPT: W = WALL MOUNTED AT 5'-0".
E	EXISTING, USED WHEN DASHED SYMBOLS ARE NOT CLEAR, EXISTING LIGHT FIXTURES ARE TYPE E.
ER	EXISTING AND RELOCATED DEVICE.
MH	MOUNTING HEIGHT TO CENTER OF OUTLET ABOVE FINISHED FLOOR OR GRADE.
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF, N.E.M.A. 3R, MINIMUM.
TYP	TYPICAL
UGS	UNDERGROUND ELECTRIC SERVICE
UGT	UNDERGROUND TELEPHONE
UGE	UNDERGROUND ELECTRIC BRANCH CIRCUIT
TNDP	TELEPHONE NETWORK DEMARCATION POINT
TCB	TELEPHONE CROSS CONNECT BLOCK
SPCP	SEWAGE PUMP CONTROL PANEL - SUPPLIED BY MECHANICAL CONTRACTOR.

NOTE:
ANY SYMBOL DRAWN DASHED INDICATES EXISTING FIXTURES, DEVICES, OUTLETS OR WIRING.

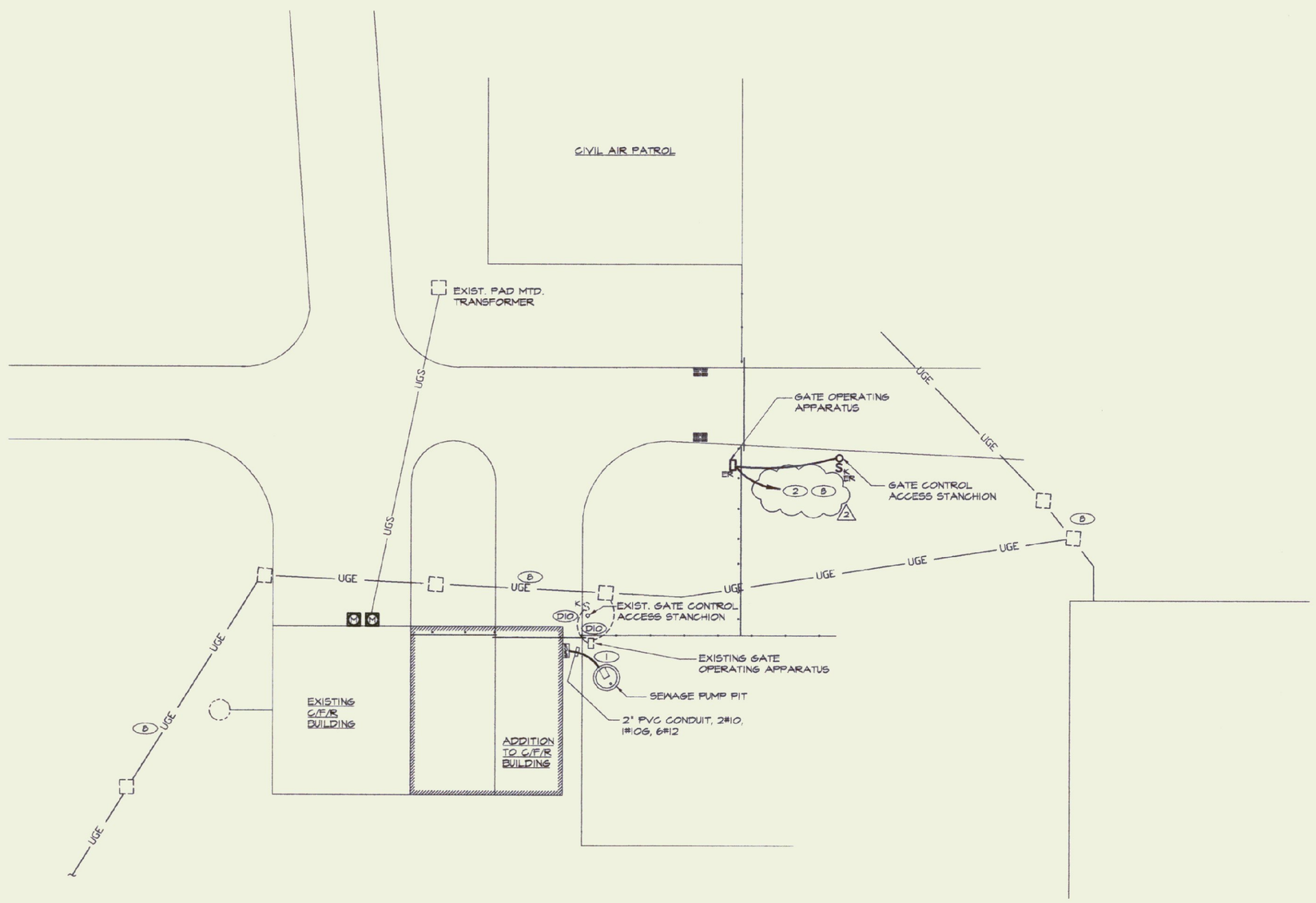
PANEL SCHEDULE

PANEL LP — MANUF.: SQUARE D — TYPE: EXISTING — BUS: — MOUNTING: SURFACE — SIZE: — MAIN-SIZE: 100A — TYPE: CIRC. BREAKER — BRANCHES- TYPE: CIRC. BREAKER — MOUNTING: — VOLTS: 120/240 — PHASE: 1 — WIRE: 3 — GROUND BUS, COVER, DOOR & LOCK

20 POLES — 10,000 A.I.C.

BRANCH CIRCUITS No.	Breakers Pole	Amp.	Ph.	Con. Load Kw.	Hp.	Equipment	Wiring Cond.	Wire	
1	1	20	1			EXISTING	EXIST.	EXIST.	
2, 2A	1	20	1			EXISTING	EXIST.	EXIST.	(1)
3	1	20	1			EXIST.	EXIST.	EXIST.	
4, 4A	1	20	1			EXISTING	EXIST.	EXIST.	(1)
5, (7)	2	30	1	4.5		EXISTING DOM. HOT WATER HEATER	3/4" EMT	2#10 1#08	(4)
6, (8)	2	30	1		2	SEWAGE GRINDER PUMP	3/4" EMT	2#10 1#08	(4)
9						SPARE			
10, (12)	2	20	1			EXISTING AIR COMPRESSOR	EXIST.	EXIST.	
11	1	20	1		2 @ 1/8	UH-2 AND UH-3	3/4" EMT	2#12 1#12G	(2)
13	1	20	1	0.9		RECEPTACLES	3/4" EMT	2#12 1#12G	(3)
14	1	20	1		(4)	OVERHEAD DOOR #3	3/4" EMT	2#12 1#12G	(3)
15	1	20	1		(4)	OVERHEAD DOOR #4	3/4" EMT	2#12 1#12G	(3)
16	1	20	1	1.9		OVERHEAD LIGHTS	3/4" EMT	2#12 1#12G	(3)
17	1	20	1		1/4	EF-1	3/4" EMT	2#12 1#12G	(3)
18	1	20	1		1/4	EF-2	3/4" EMT	2#12 1#12G	(3)
19-20	1					SPACES			

(1) EXISTING TANDEM CIRCUIT BREAKER.
(2) REMOVE 30A-2P BREAKER AND INSTALL 2@20A-1P BREAKERS
(3) PROVIDE NEW BREAKER IN EXISTING SPACE
(4) CONNECT TO EXISTING CIRCUIT BREAKER.



SITE PLAN- ELECTRICAL
SCALE: 1"=20'-0"

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	STYLE	CATALOG #	FINISH	DIFFUSER	MOUNTING	LAMPS	REMARKS
A	STONCO	FLOOD	LPSC-70MAL-PR-PISCA	DK. BRONZE	-	SURFACE	1 @ 70 MH	1
B	LITHONIA	INDUSTRIAL	DMS-3-32-AR-120-AL	WHITE	GASKETED	SUSPENDED	3 @ 32 (T8)	2
E	EXISTING FIXTURES	-	-	-	-	-	-	-

REMARKS:
1. PROVIDE INTEGRAL PHOTOCELL SCHEDULE BELOW.
2. MOUNT FIXTURES ON CONCRETE PLANK ROOF, CENTERED BETWEEN PRE-CAST TEE'S. PROVIDE CONDUIT STEMS TO MOUNT FLUSH WITH BOTTOM OF BEAMS.

THE STATE OF VERMONT — CHARLES F. LANE No. 4100 — PROFESSIONAL ENGINEER
Charles F. Lane

NO.	ISSUED FOR	DATE
2	COST REDUCING CHANGES	7-22-02
1	BIDDING	5-24-02

LANE ASSOCIATES CONSULTING ENGINEERS, P.C.
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SITE PLAN
ELECTRICAL

RUTLAND STATE AIRPORT
CLARENDON, VERMONT
ADDITION TO FIRE/CRASH/ RESCUE BUILDING

E 2

APPR: CFL | DRAWN: PJE | SCALE: AS NOTED | PROJ. NO. 0132-01

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