SYMBOL SCHEDULE

	HOMERUN		
	CONDUIT CONCEALED IN WALL, FLOOR OR CEILING		
	CONDUIT CONCEALED UNDERFLOOR, UNDERGROUND, IN WALL OR FLOOR		
—T—	19.05mmC WITH PULL LINE TO TELEPHONE B.B.		
	1/2"C-2 # 12 UNLESS NOTED OTHERWISE		
	1/2"C-3 # 12		3/4"C-6 # 12
	1/2"C-4 # 12		3/4"C-7 # 12
	3/4"C-5 # 12		1"C- 8 # 12
A	FIXTURE TYPE	VL	VERIFY LOCATION
2	SPECIFIC NOTE	O	CONDUIT UP
12N	ROOM NUMBER	●	CONDUIT DOWN
W.P.	WEATHERPROOF	CU	COPPER
	POWER PANEL		LIGHTING PANEL
E.C	ELECTRICAL CONTRACTOR	GFI	GROUND FAULT INTERRUPTER

FL'R	WALL	CEIL	DESCRIPTION	
			SURFACE MOUNTED FLUORESCENT FIXTURE AND OUTLET	
			RECESSED MOUNTED FLOURESCENT FIXTURE AND OUTLET	
			RECESSED MOUNTED FLOURESCENT FIXTURE AND OUTLET ON EMERGENCY	
			SURFACE MOUNTED FIXTURE AND OUTLET	
			SURFACE MOUNTED FIXTURE AND OUTLET ON EMERGENCY	
			RECESSED MOUNTED FIXTURE AND OUTLET	
			RECESSED MOUNTED FIXTURE AND OUTLET ON EMERGENCY	
			EXIT LIGHT MOUNTED ON OUTLET	+92"
	S		SINGLE POLE TOGGLE SWITCH	+44"
	$S_{a,b}$		SINGLE POLE SWITCH. SUBSCRIPT = OUTLETS CONTROLLED. PROVIDE SWITCH FOR EACH IN GANG ASSEMBLY	+44"
	S^2		TWO POLE SWITCH	+44"
	S^3		THREE WAY SWITCH	+44"
	S^M		SINGLE POLE MOTOR CONTROLLER WITH THERMAL OVERLOAD	
			SINGLE POLE OCCUPANCY SENSOR	+44"
			OCCUPANCY SENSOR WITH POWER PACK MTD IN J-BOX SEE WIRING DIAGRAM	
			SLAVE PACK MOUNTED IN J-BOX SEE WIRING DIAGRAM	
			DUPLEX RECEPTACLE	+20"
			DOUBLE DUPLEX RECEPTACLE	+20"
			DUPLEX RECEPTACLE ON EMERGENCY	+20"
			DUPLEX GROUND FAULT RECEPTACLE	+48"
			JUNCTION BOX	+20"
			TELEPHONE OUTLET	+20"
			COMPUTER OUTLET	+20"
			FIRE ALARM PULL STATION	+48"
			FIRE ALARM HORN/LIGHT DEVICE +296"	
			FIRE ALARM PULL STATION WITH HORN/LIGHT DEVICE ABOVE	
			FIRE ALARM VISUAL ONLY DEVICE +96"	
			FIRE ALARM MINI-HORN/LIGHT DEVICE +96"	
			FIRE ALARM DUCT DETECTOR IN RETURN AIR PLENUM PER MANUF. INSTRUC.	
			REMOTE ALARM/TEST SWITCH FOR DUCT DETECTOR	+68"
			FIRE ALARM EXTERIOR BELL	+8'-0"
			FUSED DISCONNECT SWITCH UNLESS NOTED OTHERWISE	
			COMBINATION MAGNETIC STARTER AND FUSED DISCONNECT SWITCH	
			ELECTRIC STRIKE BY OTHERS	
			DOOR CONTACT BY OTHERS	
			SECURITY KEYPAD BY OTHERS	
			MOTION DETECTOR BY OTHERS	
			SECURITY CAMERA BY OTHERS	
			FIRESTAT #TS150A BY THE E.C. OR OMCO #95010	

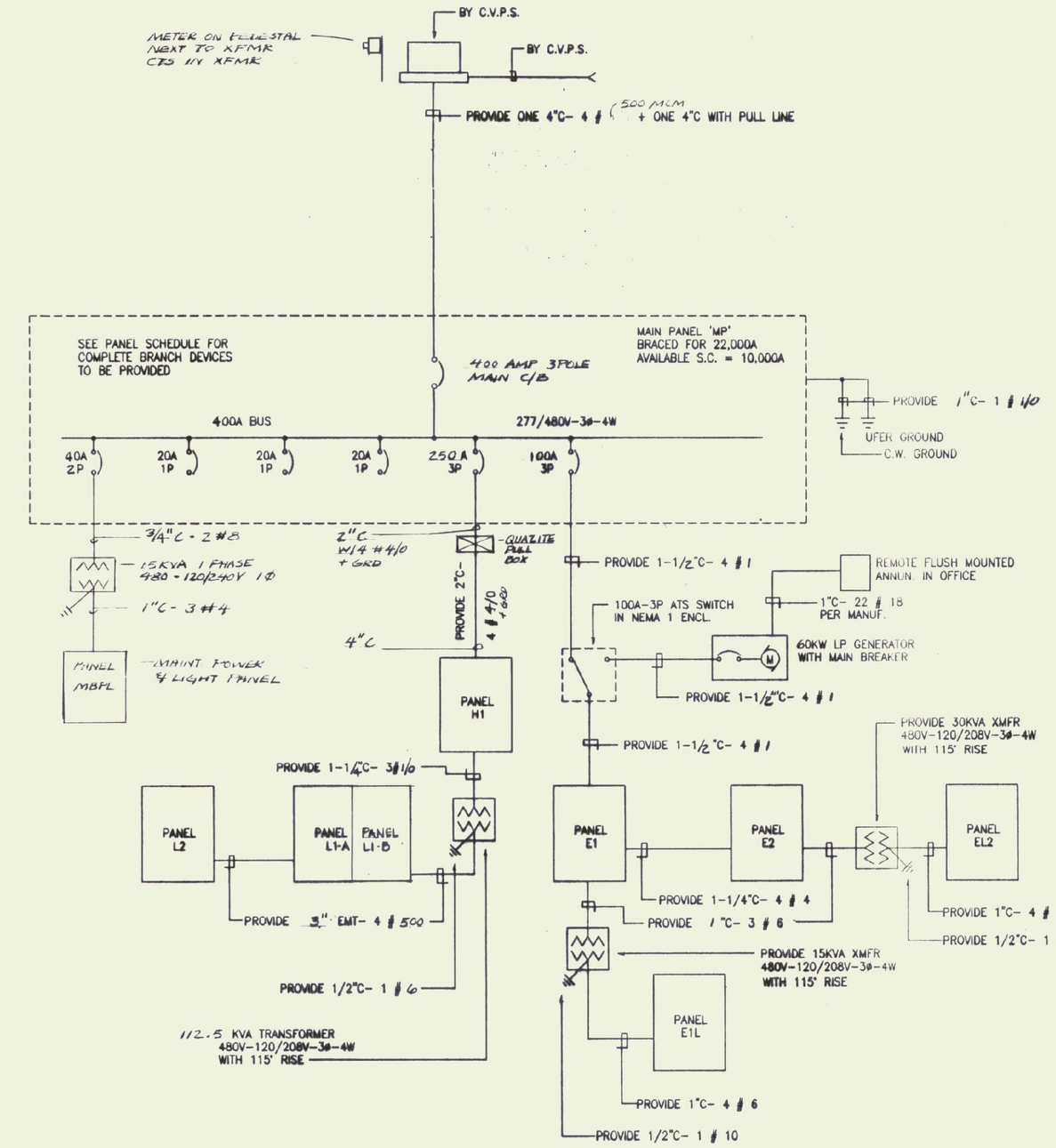
LIGHTING FIXTURE SCHEDULE

NO	MANUF	CATALOG NUMBER	LAMPS NO	LAMPS TYPE	VOLT	MOUNTING REC	MOUNTING PEND	MOUNTING SURF	LOAD	REMARKS
A	SPI	SFS/1601/277F/SAB48	1	400W-MH	277		X		480	UP/DOWN LIGHT ① ⑥
A1	SPI	SFS/1501/277F/SAB36	1	250W-MH	277		X		288	UP/DOWN LIGHT ① ⑥
AE	SPI	SFS/1601/Q/277F/SAB48	1 1	400W-MH 100W-QUARTZ			X		480	UP/DOWN LIGHT W/QUARTZ LAMP ① ⑥
B	ABOLITE	RD2300-INC-120-GAL-LDS-PG3WL COG-GBB3-PLT	1	150W-A19	120		X		150	RLM FIXTURE ④
C	PRESCOLITE	T312/TV371	--	---		X			1800	12' LOW VOLTAGE TRACK
D	ABOLITE	PET-W-42PL-120-BLK-FG WMS-42PL-120-BLK	1	42W-PL				X	48	GLOBE & GUARD ⑤
D1	ABOLITE	PET-W-50MH-120-BLK-FG WTRB-50MH-120-BLK	1	50W-MH				X	67	GLOBE & GUARD WET LOCATION ⑥
E	PRESCOLITE	LEDR/1/B	--	LED	277			X	2	SINGLE FACE SELF-CONTAINED
F	COLUMBIA	[illegible]	2	32W-T8		X			60	1 x 4 LENS HIGH ABUSE
G		[illegible]	3	32W-T8		X			88	2 x 4 18 CELL PARABOLIC
H		[illegible]	2	32W-T8					60	2 x 4 12 CELL PARABOLIC
I		[illegible]	2	32W-T8					60	2 x 4 LENS
J		[illegible]	1	32W-T8					32	4' STRIP WITH WIREGUARD
J1		[illegible]	2	32W-T8					60	4' STRIP WITH WIREGUARD
K	BRYANT	5229 WITH METAL WIREGUARD	1	100W-A19	120				100	PORCELAIN SOCKET
L	ROBERT	PLOR-2/PL26-LEX-TP	2	26W-PL	277			X	52	CLG DRUM
M	ABOLITE	PET-S-50MH-120-BLK-FG RB-50MH-120-BLK	1	50W-MH	120			X	67	GLOBE & GUARD ⑥
M1	ABOLITE	PET-S-42PL-120-BLK-FG WMS-42PL-120-BLK	1	42W-PL				X	48	GLOBE & GUARD ⑤
M2	ABOLITE	PET-P-50MH-120-BLK-FG RB-50MH-120-BLK	1	50W-MH			X		67	GLOBE & GUARD ⑥ ⑦
N	PRESCOLITE	CFT842HEB-WTT2P-FSDFA1	1	42W-PL		X			48	LENSED DOWNLT
O	ABOLITE	RD2300-INC-120-GAL-LDS-PG3WL COG-GBA3-PLT	1	300W-A21	120			X	300	RLM FIXTURE W/ GOOSENECK BRAC.
P	KIM	1A-AR2-150MH-277-BLP-A25-HS-TL-HSF-VALMONT #21/25004/B/F/0745	1	150 MH	277			X	128	ROADWAY 7.62M SINGLE FIXTURE ②
Q	KIM	1A-AR3-250MH-277-BLP-HS-A25-TL-HSF-VALMONT #21/25004/B/F/0745	1	250 MH				X	185	ROADWAY 7.62M SINGLE FIXTURE ② ⑨
R	KIM	2B-AR4-250MH-277-BLP-HS-A25-TL-HSF-PRA28-61888-BLP	2	250 MH				X	370	PKG LOT 8.54M DOUBLE FIXTURE ③
S	KIM	2B-AR4-150MH-277-BLP-HS-A25-TL-HSF-PRA25-61888-BLP	2	150 MH				X	256	PKG LOT 7.63M DOUBLE FIXTURE ③
T	BEGA	9757MH/MOD/50MH/120'/1306HR/PBM/CT	2	50W-MH				X	126	PEDESTRIAN TWIN MOUNT
U	BEGA	9772MH/MOD/70MH/120'/1908HR/PBM/CT	2	70W-MH				X	176	PEDESTRIAN TWIN MOUNT
V	KIM	1A-AR3-100HPS277-BLP-A25-HS-TL-HSF-PRA25-6186A-BLP	1	100W-HPS				X	128	ROADWAY 7.62M SINGLE FIXTURE ②
W	PRESCOLITE	CFRC8813-CB8CL-HPF-SS-FSDFA2	2	13W-PL	277	X			34	DOWNLIGHT CROSSBAFFLE
X	BEGA	2945P-610	1	18W-PLC	120	X			22	ROUND STEP LIGHT
Y	BRYANT	5228 WITH METAL WIREGUARD	1	100W-A19	120	X			100	PORCELAIN SOCKET WITH RECEPTACLE
Z	KIM	SL3/70MH120/BLP	1	70W-MH	120			X	88	BOLLARD
AA	KIM	AFL8-250MH120-BLP-SM2/BLP	1	250W-MH	120			X	290	GROUND FLOOD LIGHT
BB	ABOLITE	RD2/50MHMP/120/GAL/WL/SI72/COG15/FLT/BC385/MTR835MH/MI/*	1	50W-MH	120		X		63	RLM FIXTURE ① ⑥ ⑥
CC	ABOLITE	PET-S-42PL-120-PLT-FG-WL SMB-42PL-120-PLT	1	42W-PL	120			X	48	GLOBE + GUARD

* SEE CUTS FOR MORE DETAIL

NOTES
1. PROVIDE SYLVANIA METALARC PRO-TECH PAR/ECO LAMP OR EQUAL BY PHILLIPS OR G.E. MINIMUM CRI OF LAMP SHALL BE 75
2. THE E.C. SHALL MOUNT THE KIM FIXTURE TO THE VALMONT POLE AS SPECIFIED. PROVIDE A BREAK-AWAY BASE AS DETAILED ON SHEET E-1 THAT COMPLIES WITH AASHTO STANDARDS AND SPECIFICATIONS AND APPROVED BY THE F.H.W.A. PROVIDE VIBRATION DAMPER IN POLE, SKIRT FOR BASE AND POLE COLOR TO MATCH KIM FIXTURE FINISH.
3. THE E.C. SHALL MOUNT THE KIM FIXTURE TO THE VALMONT POLE AS SPECIFIED. PROVIDE VIBRATION DAMPER IN POLE AND BASE COVER. THE POLE COLOR SHALL MATCH KIM FIXTURE FINISH.
4. THE E.C. SHALL FIELD CUT AND THREAD BRACKET TO MATCH DETAIL ON ARCHITECTURAL PLAN.
5. THE FIXTURE IS SUPPLIED WITH A REMOTE MOUNT BALLAST THAT MUST BE MOUNTED WITHIN 5' OF THE LAMP
6. THE FIXTURE IS SUPPLIED WITH A REMOTE MOUNT BALLAST THAT MUST BE MOUNTED WITHIN 50' OF THE LAMP
7. PROVIDE HANG STRAIGHT CANOPY WITH MIN. OF 45° SWAY ON THE BOTTOM OF THE BEAM AND MOUNT FIXTURE TO SAME.
8. THE FIXTURE IS SUPPLIED WITH A REMOTE MOUNT BALLAST THAT MUST BE MOUNTED WITHIN 75' OF THE LAMP
9. PROVIDE A 20A RECEPTACLE RATED 120V AT +19'-6" IN BOX SUPPLIED IN THE POLE. THE E.C. SHALL PROVIDE THE RECEPTACLE AND WEATHERPROOF COVER. REFER TO THE DRAWINGS FOR POLES TO BE PROVIDED WITH RECEPTACLE. THE POLE SHALL HAVE SUFFICIENT EPA RATING TO ACCOMODATE ADDITIONAL WIND LOADING DUE TO CAMERA MOUNTED ON THE POLE. THE CONTRACTOR SHALL OBTAIN INFORMATION FROM SECURITY CONTRACTOR. SUBMIT DATA TO THE ENGINEER PRIOR TO ORDERING THE POLE.
10. THE HEIGHT OF THE FIXTURES IN THE REMARKS COLUMN IS THE HEIGHT TO THE CENTERLINE OF THE POLE MOUNTED FIXTURE HOUSING.

* FIELD PAINT REMOTE BALLAST HOUSING TO MATCH BUILDING FINISH



ONE LINE DIAGRAM
NOT TO SCALE

PANEL L1 REVISED TO L1-A & L1-B. SEE DWG AB-15 FOR REVISIONS

L1 PANEL SCHEDULE — 3 PHASE 4 WIRE 120/208 VOLTS

REMARKS	LOAD A	LOAD B	LOAD C	LCL	LTS	RECS	MTS	EIS	BKR	CIR	CIR	BKR	LTS	RECS	MTS	EIS	LCL	LOAD A	LOAD B	LOAD C	REMARKS
vending machines	1000								1-20	1	2	1-20						1080			elev + refrig,brk rm.
		1000								3	4								720		break,exterior,m.hall
			1000							5	6									1000	breakrm counter
	1000									7	8							900			c.rr., off,m. hall
		1000								9	10								900		m-ain hall+off.exterior
			1000							11	12									360	24hr kiosk
	1000									13	14							900			ttr recep@col's west
		1000								15	16								900		
① upper level recaps				540						17	18									1080	recep,toil,24hr
① TRACK LIGHTS	540									19	20							900			toilet gfi
		540								21	22								1080		recep,w.wall,entry
			360							23	24									900	ttr recep@col's east
toilet lts	1064			1064						25	26							900			
24hr+exit lts		1332		1332						27	28								720		exterior recep's
② rear lts patio			660	660						29	30						500			1400	crawl space lts+recep
dump sta. alarm pnl	500									31	32						500	1400			
dump sta. lt+recep		280		100						33	34						500		1680		
③ info crib+maint.ext lts			536	536						35	36									660	remote chiler
info crib recaps	800									37	38										spare
maint. barn lts		400		400						39	40										
spare										41	42										
SUB-TOTAL	5284	5152	3096	4092													1600	6080	6000	5400	

TOTAL WATTS	31012	SIZE MAINS	225A	FEEDERS	SEE ONE LINE
TOTAL LCL 5692 X25%	1423	MAIN BKR.	225A-3P ④	A.I.C.	10,000A
TOTAL AMPS	90A	LOCATION	MAIN BLDG	MOUNTED	SURFACE

① PROVIDE A 2 POLE LIGHTING CONTACTOR AND RUN CIRCUITS 17 + 19 THROUGH SAME. PROVIDE ASCO #91742031-270C. PROVIDE SPST SWITCH AT RECEPTION DESK TO CONTROL COIL OF CONTACTOR.
② PROVIDE PHOTOCELL TORK #2101 AND 7-DAY TIME CLOCK WITH SKIP A DAY TORK #W200. OPERATION SHALL BE PHOTO-CELL ON AND TIMECLOCK OFF.
③ SAME AS NOTE 2 ABOVE.
④ PROVIDE FEED THRU LUGS TO FEED PANEL L2 ADJACENT TO PANEL. MAIN BREAKER SHALL BE 100% RATED

MP PANEL SCHEDULE — 3 PHASE 4 WIRE 277/480 VOLTS

REMARKS	LOAD A	LOAD B	LOAD C	LCL	LTS	RECS	MTS	EIS	BKR	CIR	CIR	BKR	LTS	RECS	MTS	EIS	LCL	LOAD A	LOAD B	LOAD C	REMARKS
main bldg "H1" panel	37157								3-250	1	2	1-20						896			south enty rood
		36120								3	4								1195		car pkg,no.exit+bus
			35173							5	6									925	bus pkg
auto trans sw.	14541									7	8										spare
		16854								9	10										spare
			14394							11	12									1184	wel.plaza+bus load
spare									1-20	13	14										spare
									**	15	16										
										17	18										
										19	20										
15 KVA XFMR									2P-40	21	22	3P-100									
TO PANEL MBFL										23	24										
SPARE									3P-20	25	26										
										27	28	3P-100									
										29	30										
										31	32										
										33	34										
										35	36										
SUB-TOTAL	51698	52974	49522	17813													4200	896	1195	2109	

TOTAL WATTS	158394	SIZE MAINS	400 A	FEEDERS	SEE ONE LINE
TOTAL LCL 32059 X25%	8015	MAIN BKR.	M-L	A.I.C.	14,000A
TOTAL AMPS	*192A	LOCATION	MAINT. BLDG.	MOUNTED	SURFACE

* TOTAL LOAD WITH NEC ALLOWABLE DEMAND

L2 PANEL SCHEDULE — 3 PHASE 4 WIRE 120/208 VOLTS

REMARKS	LOAD A	LOAD B	LOAD C	LCL	LTS	RECS	MTS	EIS	BKR	CIR	CIR	BKR	LTS	RECS	MTS	EIS	LCL	LOAD A	LOAD B	LOAD C	REMARKS
hand dryer	1150				1	-	3	0		1	2	3-40						3200			dimmer panel
		1150			1	-	3	0		3	4								3200		
hand dryer			1150		1	-	3	0		5	6									3200	
	1150				1	-	3	0		7	8	1-20						180			SPARE ①
hand dryer		1150			1	-	3	0		9	10								180		SPARE ①
			1150		1	-	3	0		11	12	1-30									bus +truck pkg fut.
hand dryer	1150				1	-	3	0		13	14										bus +truck pkg fut.
		1150			1	-	3	0		15	16	1-20							180		picnic area recep
hand dryer			1150		1	-	3	0		17	18									180	garden recep
	1150				1	-	3	0		19	20							180			garden recep
MECH CHASE LIGHTS	1176								1-20	21	22								180		dump stat on recep
chu 3/4hp-2ndmech		1656							1-30	23	24									200	crawl space fan
recep's front planter	360								1-20	25	26							180			UNIT HEATERS
flag pole lts			580							27	28										spare
pinic shed recep				1000						29	30										
② picnic shed lts	285									31	32										
pinic shed recep				1000						33	34										
SPARE				864						35	36										
SPARE	864									37	38										space
cu-2		1987							2-30	39	40										
			1987							41	42										
SUB-TOTAL	6109	7017	8957	1656													9600	3560	3740	3380	

TOTAL WATTS	32763	SIZE MAINS	225A	FEEDERS	SEE ON LINE
TOTAL LCL 12121 X25%	3030	MAIN BKR.	MLO	A.I.C.	10,000 AIA
TOTAL AMPS	98A	LOCATION	MAIN BLDG	MOUNTED	SURFACE

① PROVIDE A 5mA GFI CIRCUIT BREAKER. PROVIDE SEPERATE NEUTRAL FOR THIS CIRCUIT
② PROVIDE A PHOTOCELL TORK #2101 TO TURN LIGHTS ON AND A 7-DAY TIMECLOCK WITH SKIP-A-DAY TORK #W200 TO TURN LIGHTS OFF.

RECORD DRAWING

NO.	DATE	REVISIONS	DRWN	CHKD

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BURLINGTON, VERMONT 05401
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STATE OF VERMONT ROBERT W. HALL No. 2200 REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.IM 091-1 (30)
SOUTHEAST VERMONT WELCOME CENTER
GUILFORD, VERMONT

SHEET TITLE: SITE POWER AND LIGHTING PLAN

DSGN BY:
DRWN BY: MLB
CHKD BY: RWH
CHKD BY:

STATE OF VERMONT
AGENCY OF ADMINISTRATION
DEPARTMENT OF
BUILDINGS & GENERAL SERVICES

DATE: 01-16-98 SHEET NO.____ OF____ SHEETS

E-6