PANEL DESIGNATORS

PANEL : P1 ③
FRONT OFFICE

MOUNTING: SURFACE
MAINS: 125 AMP, MLO,208Y/120, 3P,4W
BRANCHES: AS SHOWN
CONNECTED LOAD :

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1		OFFICE LIGHTS	1	15	15	1	OFFICE RECEP.& ELEC. RM.		2
3		OFFICE LIGHTS	1	15	15	1	HALL LIGHTS		4
5		OFFICE STORE ROOM LIGHTS	1	15	15	1	UNIT HEATER STOCK ROOM		6
7		WASHROOM LIGHTS	1	15	15	1	OFFICE RECEPTACLE		8
9		OFFICE LIGHTS	1	15	15	1	OFFICE RECEPTACLE		10
11		OFFICE LIGHTS	1	15	15	1	OFFICE POWER POLE ② DIESEL PUMP ①		12
13		JOHN'S COMPUTER RECEPTACLE	1	15	15	1	OFFICE POWER POLE ② GAS PUMP ①		14
15		TELEPHONE & SENSOR	1	15	15	1	OFFICE POWER POLE ② KEROSENE PUMP ①		16
17		WANDA'S COMPUTER RECEPT.	1	15	30	2	AIR COND. & FOYER HEATER		18
19		OFFICE FLOOR RECEPTACLE	1	15	–	–	–		20
21		AIR CONDITIONER	2	30	15	1	RECEPTACLES HALLWAY		22
23		SPACE			15	1	PUMP ISLAND LIGHTS ①		24
25		SPACE					SPACE		26
27		SPACE					SPACE		28
29		SPACE					SPACE		30
31									32
33									34
35									36
37									38
39									40
41									42

PANEL DESIGNATORS

PANEL : P2 ③
NORTH WALL

MOUNTING: SURFACE
MAINS: 125 AMP, MLO, 208Y/120, 3PH, 4W
BRANCHES: AS SHOWN
CONNECTED LOAD :

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1		RECEPT. IN TOOL CRIB STOCK RM. OFFICE N. WALL	1	15	15	1	OVERHEAD DOOR ①		2
3		TELEPHONE BELL RECEPTACLE	1	15	15	1	HEATER HIGH ①		4
5		HIGH BAY LIGHTS	1	20			BLANK		6
7		HIGH BAY LIGHTS	1	20	20	1	LAST THREE		8
9		HIGH BAY LIGHTS	1	20	20	1	CEILING		10
11		DRILL PRESS	3	15	20	3	OFFICE		12
13		–	–	–	–	–	–		14
15		–	–	–	–	–	–		16
17		SPARE	1	20	20	1	SPARE		18
19		SPARE	1	20	20	1	SPARE		20
21		SPACE					SPACE		22
23		SPACE					SPACE		24
25		SPACE					SPACE		26
27		SPACE					SPACE		28
29		SPACE					SPACE		30
31									32
33									34
35									36
37									38
39									40
41									42

PANEL DESIGNATORS

PANEL : P3 ③
NORTH WALL

MOUNTING: SURFACE
MAINS: 125 AMP, MLO, 208Y/120, 3PH, 4W
BRANCHES: AS SHOWN
CONNECTED LOAD :

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1		HIGH BAY HEATER	1	15	15	1	REC. ON RIGHT OF PANEL		2
3		–	–	–	–	–	–		4
5		–	–	–	20	1	–		6
7		–	1	20	20	1	–		8
9		–	1	20	50	1	WELDER		10
11		–	1	20	50	2	–		12
13		HIGH BAY EXHAUST FAN	3	15	–	–	–		14
15		–	–	–	100	3	MAIN BREAKER FOR SUB PANEL		16
17									18
19									20
21									22
23									24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39									40
41									42

PANEL DESIGNATORS

PANEL : P3 A ③
COMBINE PANEL P3 & P3–A
AS ONE PANEL FOR ALT. BID ITEM.

MOUNTING: SURFACE
MAINS: 125 AMP, MLO, 208Y/120, 3P, 4W
BRANCHES: AS SHOWN
CONNECTED LOAD :

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1		WATER PUMP	3	30	20	1	LIGHTS		2
3		–	–	–	20	1	LIGHTS		4
5		–	–	–	20	1	LIGHTS		6
7		WELDING RECEPTACLE	3	70	20	1	LIGHTS		8
9		–	–	–	30	3	PAINT SHOP FAN		10
11		–	–	–	–	–	–		12
13		SPARE	1	20	–	–	–		14
15		SPARE	1	20	20	1	SPARE		16
17		SPARE	1	20	20	1	SPARE		18
19		SPACE					SPACE		20
21		SPACE					SPACE		22
23		SPACE					SPACE		24
25		SPACE					SPACE		26
27		SPACE					SPACE		28
29		SPACE					SPACE		30
31									32
33									34
35									36
37									38
39									40
41									42

PANEL DESIGNATORS

PANEL : P4 ③

MOUNTING: SURFACE
MAINS: 225 AMP, MLO, 208Y/120, 3PH, 4W
BRANCHES: AS SHOWN
CONNECTED LOAD :

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1		HEATERS, MACHINE SHOP	1	15	15	1	RECEPT. NORTH WALL		2
3		REC.& LIGHTS IN GENERATOR & STARTER STORAGE	1	15	15	1	RECEPT. WEST WALL		4
5		ELECTRIC CHAIN FALL	1	15	50	3	SHEDS OIL – J&O		6
7		RECEP. WASH ROOM	1	15	–	–	–		8
9		BLANK	1	30	–	–	–		10
11		LIGHTS & RECEPTACLES OVER TRANSMISSION BENCH	1	15	50	3	LATHE		12
13		EXHAUST FAN MACHINE SHOP	3	15	–	–	–		14
15		–	–	–	–	–	–		16
17		–	–	–	15	3	HACKSAW		18
19		EXHAUST TURBINE	3	40	–	–	–		20
21		–	–	–	–	–	–		22
23		–	–	–	30	3	STEAM JENNEY OUTLET		24
25		MILLING MACHINE	3	20	–	–	–		26
27		–	–	–	–	–	–		28
29		–	–	–	90	3	DRILL PRESS		30
31		SPARE 2 POLE 20 AMP	2	20	–	–	–		32
33		SPARE	–	–	–	–	–		34
35		SPARE	–	–			SPACE		36
37		SPACE					SPACE		38
39		SPACE					SPACE		40
41		SPACE					SPACE		42

PANEL DESIGNATORS

PANEL : P4 A ③

MOUNTING: SURFACE
MAINS: 125 AMP, MCB, 208Y/120, 3PH, 4W
BRANCHES: AS SHOWN
CONNECTED LOAD :

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER AMP	BREAKER P	DESCRIPTION	KW LOAD	CKT NO.
1		SOUTH WALL RECEPTACLES	1	20	20	1	SOUTH WALL BENCH LIGHTS		2
3		RECEP. LIGHT NORTH WALL	1	20	15	1	COND. PUMP		4
5		BLANK	2	20	15	2	BLANK		6
7		–	–	–	–	–	–		8
9		HYD. PRESS	3	20	20	3	ALLEN TESTER		10
11		–	–	–	–	–	–		12
13		–	–	–	–	–	–		14
15		GENERATOR & STARTER TESTER	3	40	15	3	DELTA LATH		16
17		–	–	–	–	–	–		18
19		–	–	–	–	–	–		20
21									22
23									24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39									40
41									42

KEYED NOTES FOR PANELS

① EXISTING CIRCUIT TO BE REMOVED & CONNECTED TO PANEL 'EP'

② NEW CIRCUIT TO BE PROVIDED

③ EXISTING PANEL – REPLACE PANEL WITH NEW PANEL & CIRCUIT BREAKERS. CONNECT EXISTING CIRCUITS TO NEW CIRCUIT BREAKERS. △1

④ EXISTING CIRCUIT TO BE REMOVED & INSTALLED AT UPS

STATE OF VERMONT
EDWARD W. PEARSON
No. 5197
REGISTERED
PROFESSIONAL ENGINEER

Pearson & Associates
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 610 STOWE, VERMONT 05672
TEL. (802) 253–9607 FAX (802) 253–9290

STATE OF VERMONT
MONTPELIER, VERMONT 05602

AGENCY OF TRANSPORTATION
CENTRAL GARAGE
ELECTRICAL PLAN

DATE: 05/20/91	SCALE: NONE	REVISIONS: △1 6/7/91 SKJ	DWG NO. E–2
DRAWN BY: B.W.M	APPROVED BY:		2 OF 4