

SERVICE & DISTRIBUTION FEEDERS & PANELBOARD SCHEDULE																				
PANELBOARD		BRANCH CIRCUIT BREAKERS				MAINS				SUPPLY FEEDERS						SUB FEED LUGS		NOTES		
D'SGN	MTGS	USED	SPARE	SPACE	POLE	AMPS	TOTAL AMPS	TOTAL POLES	ENTRY	PH	WIRE	VOLTS	D'SGN	WIRE	SIZE	INSUL	CONDUIT			
P-1-C	FLUSH	26	6	0	1	20	32	32	100	LUGS	3	4	120/208	F-1-C	4	#2	XHHW	1/4"	NO	① ② ③
L-1-D	FLUSH	17	4	9	1	20	21	30	150	LUGS	3	4	277/480	F-1-D	4	1/0	XHHW	1/2"	YES	① ② ④
L-2-E	FLUSH	7	5	0	1	20	12	12	150	LUGS	3	4	277/480	F-2-E	4	1/0	XHHW	1/2"	NO	② ④ ⑤
P-2-F	FLUSH	17	4	3	1	20	21	24	100	LUGS	3	4	120/208	F-2-F	4	#2	XHHW	1/4"	NO	② ③ ⑤
P-1-G	FLUSH	28	6	0	2	20	34	34	100	LUGS	3	4	120/208	F-1-G	4	#2	XHHW	1/4"	NO	① ② ③
P-1-H	FLUSH	6	1	3	3	15	1	30	100	LUGS	3	4	277/480	F-1-H	4	#2	XHHW	1/4"	NO	① ② ④
P-2-J	SURF	2	0	4	2	30	2	8	150	C.B. 150A.	1	3	120/240	F-2-J	3	1/0	XHHW	1/4"	NO	① ② ③
P-1-W	FLUSH	8	0	3	2	40	8	16	400	LUGS	3	4	277/480	F-1-W	4	500 MCM	XHHW	3"	YES	① ④ ⑥
LP	SURF	18	0	0	1	20	18	18	100	LUGS	3	4	120/208	MF-LP	4	#2	XHHW	1/4"	NO	⑦
SP	SURF	10	4	0	1	20	14	14	100	LUGS	3	4	120/208	MF-SP	4	#2	XHHW	1/4"	NO	⑦ ⑧
NP-PP	SURF	5	7	0	1	20	12	12	100	LUGS	3	4	120/208	MF-PP	4	#2	XHHW	1/4"	NO	① ② ③ ⑨
BUS-WAY	SURF	—	—	—	—	—	—	—	200	LUGS	3	4	120/208	F-BD	4	3/0	XHHW	2"	NO	⑩
P-2-K	SURF	0	6	0	1	20	6	6	60	C.B. 60A.	1	3	120/240	F-2-K	3	#6	XHHW	3/4"	NO	① ⑪
P-2-L	SURF	PANELS L,M,N,&O ARE THE SAME AS P-2-K.													F-2-L					① ⑫
P-2-M	SURF														F-2-M					① ⑫
P-2-N	SURF														F-2-N					① ⑫
P-2-O	SURF														F-2-O					① ⑫
CB-PH	SURF	1	—	—	2	60	1	2	60	C.B.	1	3	120/240	F-CB	3	#2	XHHW	1/4"	STD.	⑫
MD-B	FREE STANDING	3	5	0	1	20	8	8	400	C.B. 400A.	3	4	120/208	F-MDB	4	500 MCM	XHHW	3"	NO	⑬
MD-A	FREE STANDING	1	0	5	2	30	1	12	600	C.B. 600A.	3	4	277/480	F-MDA	8	350 MCM	XHHW	2x3"	NO	⑭
														F-PRI	4	#6	5 KV.	4"	—	⑰
														GRN-R	1	2/0	BARE	3/4"	—	⑮
														GRN-H	1	2/0	BARE	3/4"	—	⑮
														GRN-S	1	2/0	BARE	3/4"	—	⑮
														GRN-W	1	2/0	BARE	3/4"	—	⑮
														GRN-T	1	1/0	BARE	3/4"	—	⑮

PANELBOARD NOTES

1. Top feed.

2. Min Gutters 6" sides and depth, 8" top and bottom.

#### PANELBOARD NOTES

- Top feed.
- Min Gutters 6" sides and depth, 8" top and bottom.
- Branch Breakers minimum 10,000 AIC Type THQB.
- Branch Breakers, minimum 18,000 AIC Type TED.
- Bottom feed.
- Min Gutters 6" depth, 8" sides, 10" top and bottom.
- Existing FPE Panelboard. Remove existing feeder and refeed from MD-B.
- Add new 2P20 Branch Breaker to match existing.
- Existing panelboard to be replaced and re-located. Remove all unused wiring.
- Refeed existing emergency shut-off contactor from MD-B and remove existing feeder.
- Single phase panelboards for student use, minimum gutters 4" sides and depth, 6" top and bottom. Tubs to be solid galvanized.

with no pre-punched knockouts. Main and Branch CB's 10,000 AIC Type TQL.

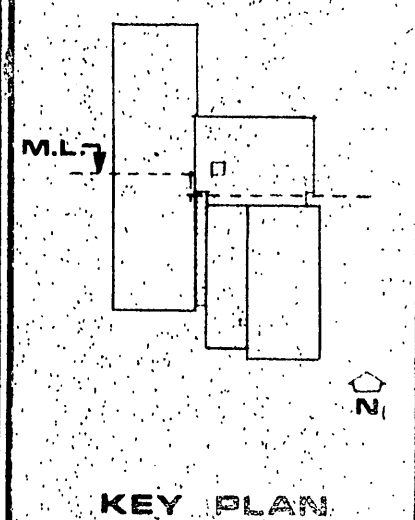
- Enclosed circuit breaker in NEMA 12 enclosure. Equip with shunt trip mechanism for emergency shut-off control. Breaker to be minimum 10,000 AIC Type TED.
- Free standing Distribution Switchboard like GE AV-Line, front serviceable. Main 3P400 circuit breaker shall be like Type TJK6 with interchangeable trips and minimum 30,000 AIC. Branch circuit breakers shall be minimum 18,000 AIC Type TED to 150 amperes and Type THKR over 150 to 225 amperes. Switchboard width to be 35" and 25" depth.
- Free standing Distribution Switchboard like GE AV-Line, front serviceable. Provide incoming pull section. Main section to have main CB located in Middle 1/3 of section, meters top 1/3 and C.T.'s and P.T.'s in lower 1/3. Main Breaker shall be minimum 50,000 AIC. Type THKR, 3P600 ampere. Ground fault protection is not required. Branch circuit breakers shall be 25,000 AIC Type THED to 100 amperes, THJK 125 to 600 amperes, interchangeable trips.
- Make up grounds by thermo welding to ground rod, heating main, building steel, water main on entrance side of meter.
- Bond transformer and switchboard neutral to service entrance ground.
- See specifications. Underground rated shielded 5-KV cable.

**webster baldwin day rothman**  
architects  
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**1494**  
**N.M.V.T.I. SHOP**

PRESQUE ISLE MAINE

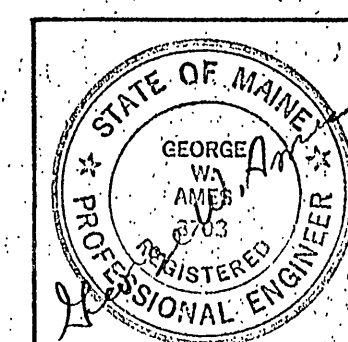


NO. - REVISION DATE

AS-BUILT 5-1-83

DESIGNER  
ENGINEER  
DRAWN BY  
CHECKED BY  
DATE: JUNE 1, 1981

ELECTRICAL SITE PLAN, RISER DIAGRAM, PANELBOARD SCHEDULE



**E1**