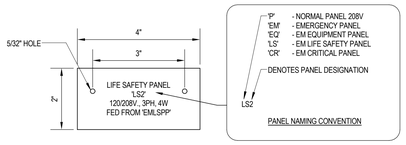


NOTE:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL NAMEPLATE REQUIREMENTS.

TYPICAL PANEL NAMEPLATE DETAIL

NOT TO SCALE

E. Panelboard Schedule

Panel Name	Description	Bussing	Mains	Mains Type	Short Circuit Rating	Total Connected Current	Total Connected	Max #1 Pole Breakers	Apparent Load Phase A	Apparent Load Phase B	Apparent Load Phase C	Neutral Bus	Neutral Rating	Enclosure	Supply From	Feed	Level	Location	Cost	Schedule Header Notes	Schedule Footer Notes
EMDP	NQ Distribution Panelboard		400 A	MLO	25kA	0 A	0 VA	42	0 VA	0 VA	0 VA	No	100.00%	Indoor			LEVEL 1	EMERG. ELEC. 122B			
HMDP	NF Distribution Panelboard	400A	400 A	MCB	25kA	107 A	89121 VA	0	30052 VA	29742 VA	29327 VA	No	100.00%	Indoor			LEVEL 1	MAIN ELECTRICAL ROOM 125			
HP2	NF Distribution Panelboard	400A	150 A	MCB	22kA	104 A	86395 VA	42	30498 VA	30371 VA	25360 VA	No	100.00%	Indoor	MDP		LEVEL 2	ELECTRIC ROOM E225			
HP4	NF Distribution Panelboard	400A	400 A	MLO	10kA	48 A	39826 VA	0	8264 VA	12156 VA	11156 VA	No	100.00%	Indoor		HMDP	LEVEL 5 - Roof Level				
HSL	NQ Distribution Panelboard		100 A	MCB	22kA	9 A	3230 VA	30	2030 VA	330 VA	870 VA	No	100.00%	Indoor			LEVEL 1	CORR. 124			
MDP	NF Distribution Panelboard	1000A	1000 A	MCB	45kA	762 A	633694 VA	0	207212 VA	215036 VA	200687 VA	No	100.00%	Indoor			LEVEL 1	MAIN ELECTRICAL ROOM 125			
MECR1	NQ Distribution Panelboard		225 A	MLO	22kA	41 A	14760 VA	42	4680 VA	5220 VA	4860 VA	No	100.00%	Indoor	NPDT		LEVEL 1	EMERG. ELEC. 122B			
MECR2	NQ Distribution Panelboard		225 A	MLO	22kA	0 A	0 VA	30	0 VA	0 VA	0 VA	No	100.00%	Indoor	NPDT		LEVEL 1	EMERG. ELEC. 122B			
MEEQ	NQ Distribution Panelboard		400 A	MCB	22kA	182 A	65624 VA	42	21875 VA	21875 VA	21875 VA	No	100.00%	Indoor	NPDT		LEVEL 1	EMERG. ELEC. 122B			
MELS1	NQ Distribution Panelboard		100 A	MLO	22kA	47 A	17030 VA	30	4615 VA	7306 VA	5709 VA	No	100.00%	Indoor	NPDT		LEVEL 1	EMERG. ELEC. 122B			
MELS2	NF Distribution Panelboard	400A	150 A	MCB	22kA	6 A	5080 VA	30	1268 VA	2802 VA	931 VA	No	100.00%	Indoor			LEVEL 1	EMERG. ELEC. 122B			
NPDP	NQ Distribution Panelboard		400 A	MCB	25kA	0 A	0 VA	42	0 VA	0 VA	0 VA	No	100.00%	Indoor	NPDT		LEVEL 1	MAIN ELECTRICAL ROOM 125			
P1	NQ Distribution Panelboard		225 A	MLO	10kA	102 A	36665 VA	42	10285 VA	15770 VA	10610 VA	No	100.00%	Indoor	T1		LEVEL 1	MAIN ELECTRICAL ROOM 125			
P1A	NQ Distribution Panelboard		225 A	MLO	22kA	55 A	19719 VA	42	6273 VA	7341 VA	6105 VA	No	100.00%	Indoor	T1		LEVEL 1	MAIN ELECTRICAL ROOM 125			
P1B	NQ Distribution Panelboard		225 A	MLO	10kA	47 A	17000 VA	42	7420 VA	5520 VA	4060 VA	No	100.00%	Indoor	T1		LEVEL 1	STAFF CORR.-1 153-1			
P2	NQ Distribution Panelboard		225 A	MCB	10kA	88 A	31630 VA	42	10788 VA	11007 VA	9835 VA	No	100.00%	Indoor	T2		LEVEL 2	ELECTRIC ROOM E225			
P2A	NQ Distribution Panelboard		225 A	MLO	10K	99 A	35730 VA	42	14055 VA	12015 VA	9660 VA	No	100.00%	Indoor	T2		LEVEL 2	ELECTRIC ROOM E225			
P2B	NQ Distribution Panelboard		225 A	MLO	22kA	33 A	11880 VA	42	5040 VA	3600 VA	3240 VA	No	100.00%	Indoor	T2		LEVEL 2	ELECTRIC ROOM E225			
PH	NQ Distribution Panelboard		100 A	MCB	10kA	32 A	11358 VA	30	3758 VA	2600 VA	5000 VA	No	100.00%	Indoor	PHT		LEVEL 5 - Roof Level				

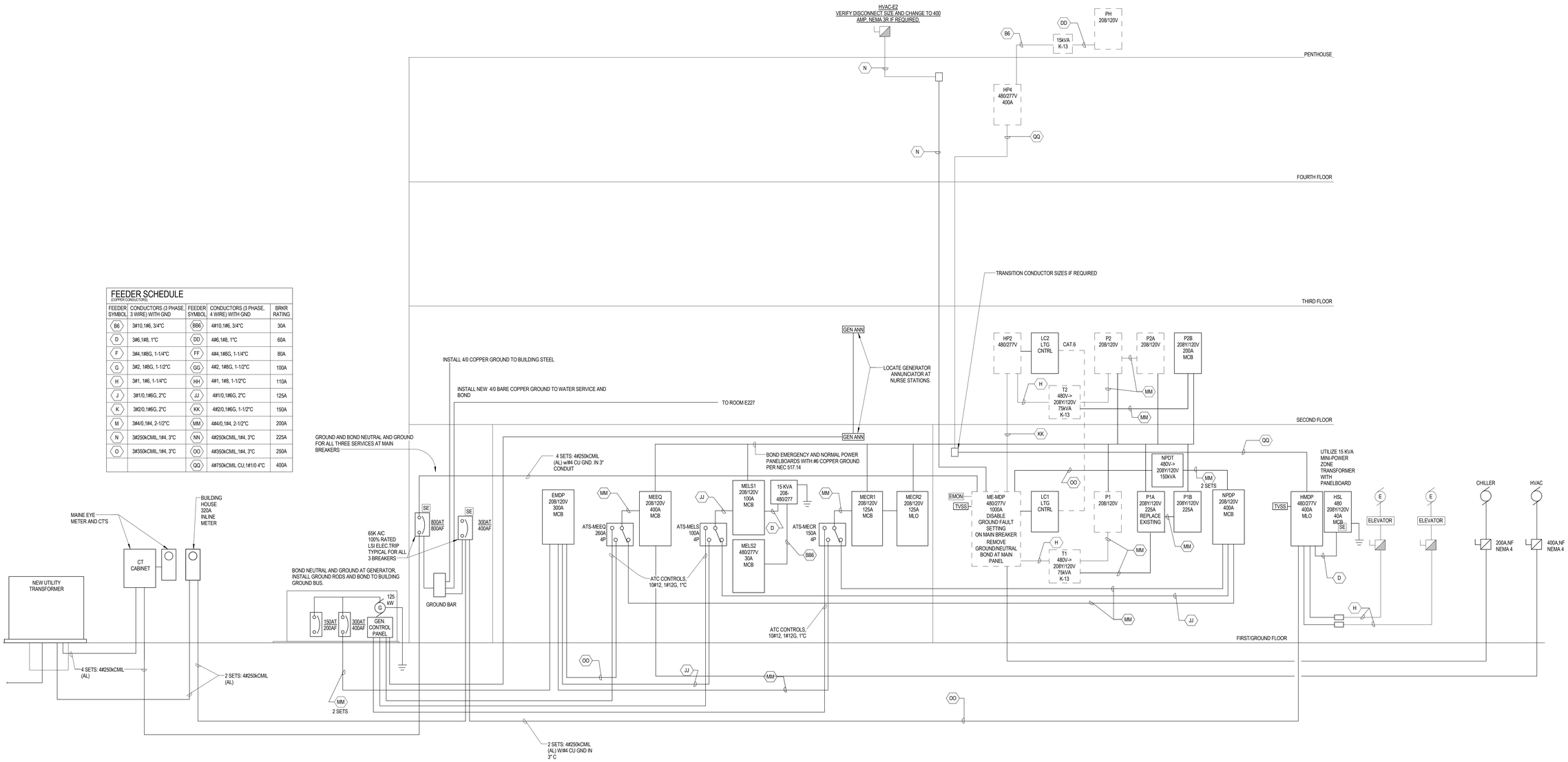
E. Transformer Schedule

Panel Name	Description	Location	Level	Total Connected	Total Connected Current	Total Estimated Demand	Total Estimated Demand Current
T1		MAIN ELECTRICAL ROOM 125	LEVEL 1	73384 VA	204 A	54241 VA	151 A
NPDT		MAIN ELECTRICAL ROOM 125	LEVEL 1	97414 VA	270 A	95034 VA	264 A
EEQ ATS		EMERG. ELEC. 122B	LEVEL 1				
ECR ATS		EMERG. ELEC. 122B	LEVEL 1				
ELS ATS		EMERG. ELEC. 122B	LEVEL 1				
ELSHVT		EMERG. ELEC. 122B	LEVEL 1	0 VA	0 A	0 VA	0 A
T2		ELECTRIC ROOM E225	LEVEL 2	79241 VA	220 A	53551 VA	149 A
PHT			LEVEL 5 - Roof Level	11358 VA	32 A	11358 VA	32 A

FEEDER SCHEDULE

(COPPER CONDUCTORS)

FEEDER SYMBOL	CONDUCTORS (3 PHASE, 3 WIRE) WITH GND	FEEDER SYMBOL	CONDUCTORS (3 PHASE, 4 WIRE) WITH GND	BRKR RATING
B6	3#10,1#6, 3/4"C	BB6	4#10,1#6, 3/4"C	30A
D	3#6,1#8, 1"C	DD	4#6,1#8, 1"C	60A
F	3#4,1#8G, 1-1/4"C	FF	4#4,1#8G, 1-1/4"C	80A
G	3#2, 1#8G, 1-1/2"C	GG	4#2, 1#8G, 1-1/2"C	100A
H	3#1, 1#6, 1-1/4"C	HH	4#1, 1#8, 1-1/2"C	110A
J	3#1/0,1#6G, 2"C	JJ	4#1/0,1#6G, 2"C	125A
K	3#2/0,1#6G, 2"C	KK	4#2/0,1#6G, 1-1/2"C	150A
M	3#4/0,1#4, 2-1/2"C	MM	4#4/0,1#4, 2-1/2"C	200A
N	3#250kCMIL,1#4, 3"C	NN	4#250kCMIL,1#4, 3"C	225A
O	3#350kCMIL,1#4, 3"C	OO	4#350kCMIL,1#4, 3"C	250A
		QQ	4#750kCMIL CU,1#1/0 4"C	400A



ONE-LINE DIAGRAM - NEW

SCALE: NONE

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MAINE EYE - RETINA & SURGERY CENTER

161 Marginal Way - Portland, Maine 04101

No.	Date	Description

Revision Schedule

STATE OF MAINE
RICHARD A. MCGAU
No. 10523
LICENSED
PROFESSIONAL ENGINEER

JOB NO.
195210863

DRWN: Author
CHK: Checker

SCALE:

ISSUE:
PERMIT SET - 95% CONSTRUCTION DOCUMENTS
04.12.16

TITLE:
ELECTRICAL NORMAL AND EMERGENCY ONE-LINE RISER DIAGRAMS NEW

SHEET
E003