

1

Interior Lighting Summary

LTC-INT

100 Seattle Electric, LLC Compliance Forms for Nonresidential and Multi-Family Residential

Revised December 2010

Project Info

Project Address

CITY DOG

Date

11/5/2013

809 OLIVE WAY - SUITE # TBD

SEATTLE, WA 98101

Applicant Name: SEA-TAC ELECTRIC, INC.

Applicant Address: 7056 S. 220TH STREET - KENT, WA 98032

Applicant Phone: 253-872-5553

Project Description

☐ New Building

☐ Addition

☒ Alteration

☐ Plans Included

Refer to SEC Section 1513 for controls and commissioning requirements.

Compliance Option

☐ Prescriptive

☒ Lighting Plan or Allowance

☐ Systems Analysis

☐ Clear

(See Qualification Checklist (over). Indicate Prescriptive & LPA spaces clearly on plans.)

Alteration Exceptions

(check appropriate box - sec. 1132.3)

☐ No changes are being made to the lighting and the space use has not changed

☐ Less than (60%) 20% of the fixtures or of the lamps, plus ballasts alone, are altered, added, or replaced (www-), installed wattage not increased, & the space use has not changed.

Maximum Allowed Lighting Wattage (Interior)

Location (floor plan/room #)	Occupancy Description	Allowed Watts per ft² **	Gross Interior Area in ft²	Allowed x Area
PLAY PARKS	EXERCISE CENTER (PLAY PARKS)	0.88	2472	2175
GROOMING	WORKSHOP	1.20	419	503
SLEEP & EAT	OWELLING UNITS	1.00	325	325
OFFICE	OFFICE	0.90	94	85
RECEPTION	RETAIL	1.33	488	649
COMMON AREAS	COMMON AREAS	0.80	402	322
** From Table 15-1 (over) - document all exceptions on form LTC-LPA				Total Allowed Watts
				4058

Proposed Lighting Wattage (Interior)

Location (floor plan/room #)	Fixture Description	Number of Fixtures	Watts/ Fixture	Watts Proposed
COMMERCIAL	F1 - LOW BAY INDUSTRIAL FIXTURE	13	145	1885
COMMERCIAL	F2 - 4'-0" SURFACE MOUNT WRAP	2	58	116
COMMERCIAL	F3 - 2X2 RECESSED PARABOLIC	22	35	770
COMMERCIAL	F4 - TRACK HEADS (SEE T1 - TRACK SECTION)			
COMMERCIAL	F5 - GOOSENECK BARN LIGHT	13	35	455
COMMERCIAL	F6 - 6" RECESSED CAN	2	32	64
COMMERCIAL	T1 - TRACK SECTION	3	200	600
COMMERCIAL	X1 - EXIT SIGN	4	2	8
Total Proposed Watts may not exceed Total Allowed Watts for Interior				Total Proposed Watts
				3898

MECHANICAL EQUIPMENT CONNECTION SCHEDULE																			
ELECTRICAL DATA					INDIVIDUAL EQUIPMENT INFORMATION										DISCONNECT				
MARK	AREA SERVED	LOCATION	VOLT	PH	QTY	kva	FLA	HP	FLA	KVA	MCA	MOCP	F/NF	NEMA	SIZE	AMP	ELECT	MECH	NOTES
DUCT HEATING COIL SCHEDULE (ELECTRIC)																			
EDH	1	TENANT SPACE N	PLAY PARK 2	208	3	1	39.00	108.25		39.00			F	1			X		2
EDH	2	TENANT SPACE E	PLAY PARK 4	208	3	1	22.00	61.07		22.00			F	1			X		2
FAN COIL UNITS																			
FC	1	TENANT SPACE N	PLAY PARK 2	208	3	1			1	4.80	1.73		F	1			X		2
FC	2	TENANT SPACE E	PLAY PARK 4	208	3	1			1/2	2.40	0.86		F	1			X		2
EXHAUST FAN SCHEDULE																			
EF	1	TENANT SPACE N	PLAY PARK 2	120	1	1			3/4	13.80	1.66		NF				X		1
EF	2	TENANT SPACE E	PLAY PARK 4	120	1	1			3/4	13.80	1.66		NF				X		1
EF	3	SLEEP - EAT	PLAY PARK 1	120	1	1	0.17	1.42			0.17		NF				X		1
NOTES																			
1 FOR 120V FANS PROVIDE MOTOR RATED SWITCH FOR LOCAL DISCONNECT WHERE REQUIRED.																			
2 PROVIDE HACR RATED BREAKER AT PANEL OR LOCAL FUSED DISCONNECT AT UNIT IN LIEU OF NON-FUSED																			

LIGHT FIXTURE SCHEDULE											
		SERIES NO. (CATALOG NO.)	LAMP					FIXTURE WATTS			FLAG NOTES
TYPE	MANUFACTURER		VOLT	NO.	TYPE	BALLAST			DESCRIPTION		
INTERIOR LIGHTING											
F1	LITHONIA	TX PA22C	120	1	145W CMH	PULSE START		145	LOW BAY INDUSTRIAL FIXTURE		
F2	LITHONIA	R8232MV	120	2	F32T8	ELECTRONIC <10%THD		58	4'-0" SURFACE MOUNT WRAP		
F3	LITHONIA	2PM3N G B 2 U316 9LD	120	2	F32T8 U-BENT	ELECTRONIC <10%THD		35	2X2 RECESSED PARABOLIC		
F4	JUNO	R533WH	120	1	75W PAR 30			75	TRACK HEADS		
F5	TBD	TBD	120	1	35W MR16			35	GOOSENECK BARN LIGHT		
F6	MAXILUME	HVPL-1X32-E-MVOLT-6101-CL-WH	120	1	32W CFL	ELECTRONIC <10%THD		32	6" RECESSED CAN		
T1	JUNO	T4WH / T38WH	120	N/A	N/A			50	TRACK SECTION		
X1	LITHONIA	EXG LED EL M6			LED			2	EXIT SIGN		
GENERAL NOTES											
1. ALL INDICATED CATALOG NUMBERS REPRESENT A DESIGN BASIS ONLY AND CORRESPOND TO THE LISTED MANUFACTURERS SERIES NUMBER. ALL OPTIONS, ACCESSORIES AND/OR FIXTURE COMPONENTS MAY NOT BE REFLECTED IN THIS NUMBER AND CONTRACTOR RESPONSIBLE FOR PROVIDING ALL SUCH ITEMS DISCLOSED IN FIXTURE DESCRIPTION AND/OR SPECIFICATIONS. SUBSTITUTION OF FIXTURE TYPES WILL ONLY BE ACCEPTED IF PHOTOMETRICS, CONSTRUCTION/COMPONENT QUALITY AND DESIGN INTEGRITY ARE SHOWN TO BE EQUAL TO THE DESIGN INTENT. FINAL DISCRETION TO BE DETERMINED BY ENGINEER. ALL SUBSTITUTIONS SHALL INCLUDE PHOTOMETRICS AND BE RECEIVED (5) BUSINESS DAYS PRIOR TO CLOSING FOR ENGINEERING ANALYSIS.											
2. PROVIDE COLD WEATHER BALLASTS FOR ALL OUTDOOR FIXTURES.											
3. ALL FLUORESCENT AND HID LIGHTING FIXTURES SHALL BE PROVIDED WITH IN-LINE GLR FUSE.											
4. CONTRACTOR TO VERIFY CEILING CONDITIONS FOR PROPER MOUNTING HARDWARE											
5. WHERE FIXTURES ARE SHOWN SHADED PROVIDE BATTERY BALLAST WITH REMOTE TEST BUTTON.											

6384245

ALL ELECTRICAL MATERIALS & EQUIPMENT SHALL BE LISTED BY APPROVED TESTING LAB AND APPROVED BY THE ELECTRICAL DIVISION OF THE DEPT. OF PLANNING AND DEVELOPMENT SUBJECT TO FINAL APPROVAL OF FIELD INSPECTOR

REV #

11/05/

DRAWN

CHECKED

DATE

11/05/

ELECTRICAL SCHEDULES

E0.03

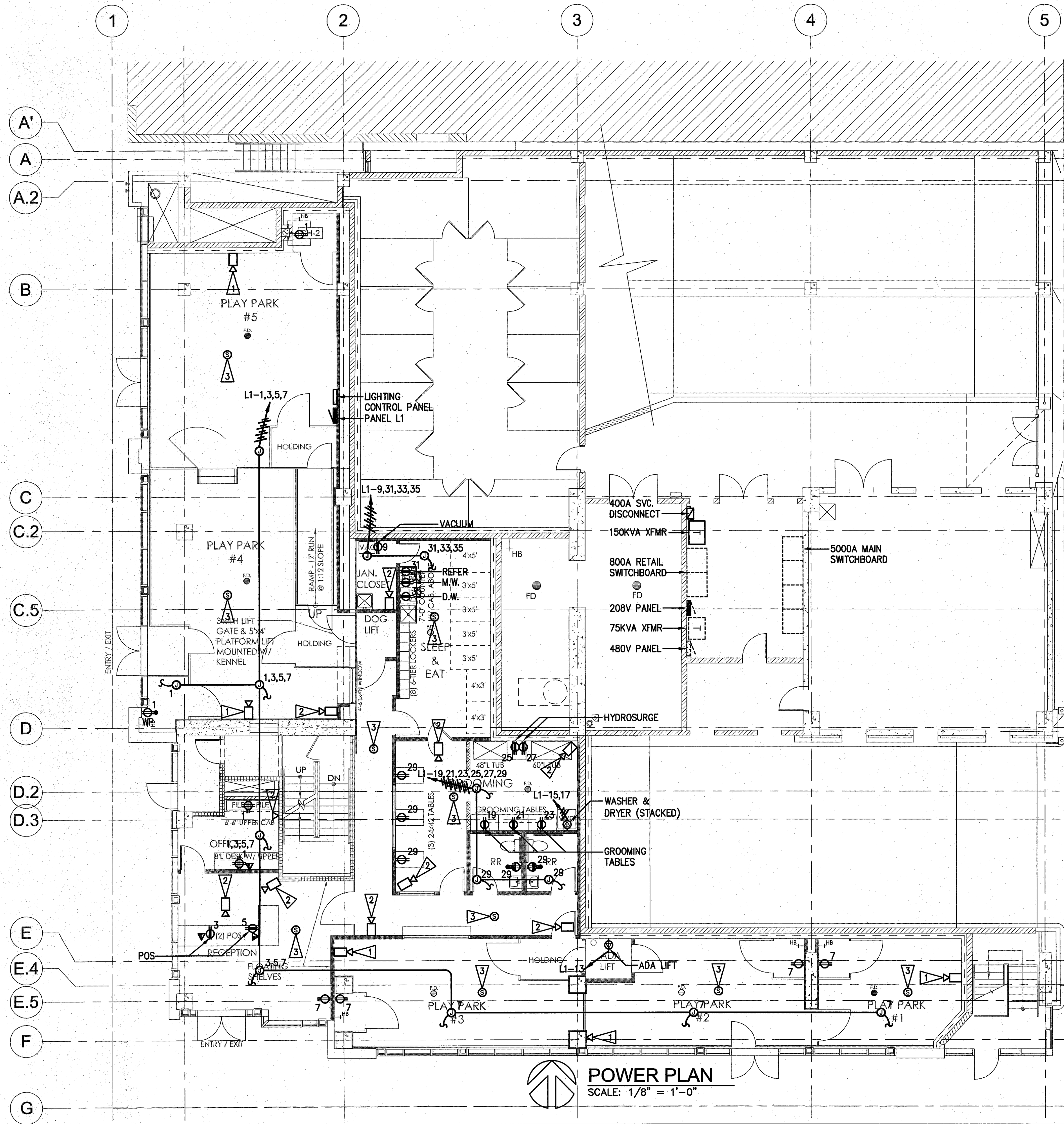
SEA-TAC
ELECTRIC INC.
7056 SOUTH 220TH STREET
KENT, WA 98032
PHONE (253) 872-5553
FAX (253) 872-4112

CITY DOG
809 OLIVE WAY SUITE#TBD
SEATTLE, WA 98101

ELECTRICAL FILL CHART
PROVIDE AND INSTALL NEW 20 AMP PANEL AND FIELD TO INCLUDE NEW 20 AMP PANEL, LOW VOLTAGE ROLLOUT IN ONLY INCLUDE THE RELOCATION, REMOVAL AND 1
Bid ID: 6384245

PERMIT SET

\\V085 - CONTRACT - IN PROGRESS\IN-PROGRESS ABX\QTY DOG - SEATTLE (13092)\SHOP DRAWINGS\CAD\E2.01.DWG 11/5/2013 10:57 AM



POWER PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL CONDUCTORS ARE #12 AWG CU UNLESS NOTED OTHERWISE. MC FEEDER CAN BE USED WHERE APPROPRIATE AND AT CONTRACTOR'S DISCRETION. MC FEEDER SHALL BE SIZED PER NEC REQUIREMENTS.
2. MULTI-WIRE BRANCH CIRCUITS SHALL MEET NEC 210.4 REQUIREMENTS.
3. COLOR OF ALL WIRING DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT, U.N.O.. VERIFY WITH ARCHITECT PRIOR TO ORDERING.
4. COORDINATE ALL CABLE PATHWAY ROUTING IN STRUCTURE, FINISHES AND OTHER TRADES PRIOR TO ROUGH-IN.
5. EQUIPMENT SHOWN BOLD IS NEW.
6. EQUIPMENT SHOWN DASHED IS EXISTING.

FLAG NOTES:

- 1. PROVIDE DATA CABLING AND CONNECTION FOR WEB CAM.
- 2. PROVIDE DATA CABLING AND CONNECTION FOR SECURITY CAMERA.
- 3. PROVIDE CONNECTION TO SPEAKER.

CITY OF SEATTLE
DEPT. OF PLANNING AND DEVELOPMENT

NOV 06 2013
APPROVED Subject to Errors
and Omissions
By *Tim Porter*
Tim Porter

6384245

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The available fault current requirements of (NEC)
Art. 110-9 & 110-10 must be met by the
installation of either fully rated equipment or
A listed series rated system

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POWER PLAN

PERMIT SET

E2.01

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CITY DOG
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APPROVAL DOES
NOT INCLUDE FIRE
ALARM

809 OLIVE WAY SUITE#TBD
SEATTLE, WA 98101

REV #	DATE
1	11/05/2013

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LIGHTING PLAN

E3.01

PERMIT SET

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2. MULTI-WIRE BRANCH CIRCUITS SHALL MEET NEC 210.4 REQUIREMENTS.
3. COLOR OF ALL WIRING DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT, U.N.O.. VERIFY WITH ARCHITECT PRIOR TO ORDERING.
4. COORDINATE ALL CABLE PATHWAY ROUTING IN STRUCTURE, FINISHES AND OTHER TRADES PRIOR TO ROUGH-IN.
5. EQUIPMENT SHOWN BOLD IS NEW.
6. EQUIPMENT SHOWN DASHED IS EXISTING.

ENERGY CODE NOTES:

1. ALL LIGHTING NOT INDICATED AS A 24-HOUR NIGHT LIGHT SHALL BE CONTROLLED BY TIMELOCK OR OCCUPANCY SENSORS. ALL LOCAL SWITCHES SHALL BE DOWNSTREAM OF AUTOMATIC CONTROLS.
2. COMMISSIONING REQUIREMENTS: IN ACCORDANCE WITH WSEC 1513.7, ALL AUTOMATIC LIGHTING CONTROLS (INCLUDING TIMERS & OCCUPANCY SENSORS) SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT, AND WIRING ARE CORRECTLY ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.
3. LIGHTING IN STAIRWELLS SHALL HAVE ONE OR MORE CONTROL DEVICES TO AUTOMATICALLY REDUCE LIGHTING POWER IN ANY ONE CONTROLLED ZONE BY AT LEAST 50% WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THAT CONTROLLED ZONE. FOR FURTHER CLARIFICATION REFER TO LEAC 1513.6.1.

CITY OF SEATTLE
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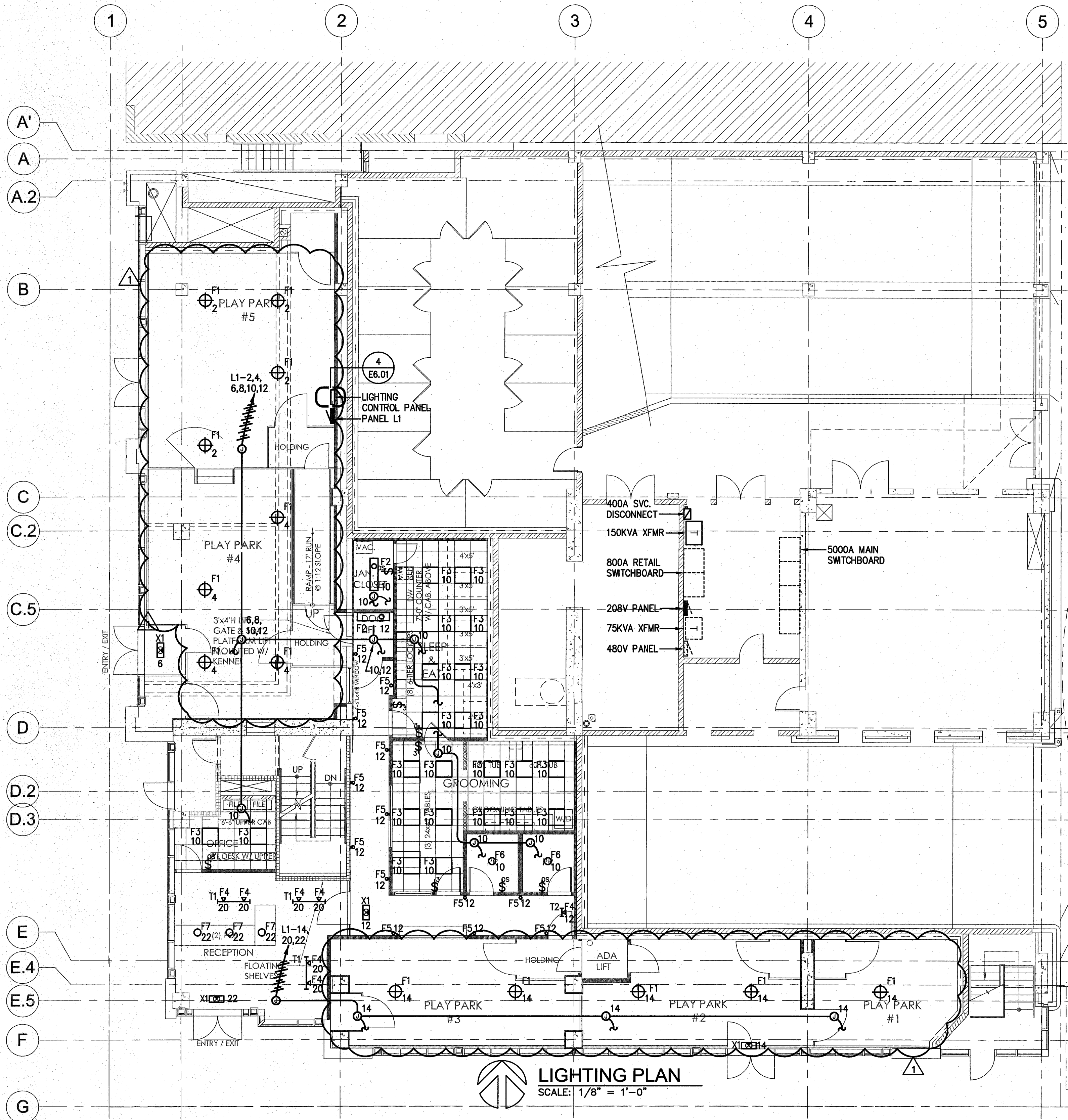
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APPROVED Subject to Errors
and Omissions
By Tim Porter
Tim Porter

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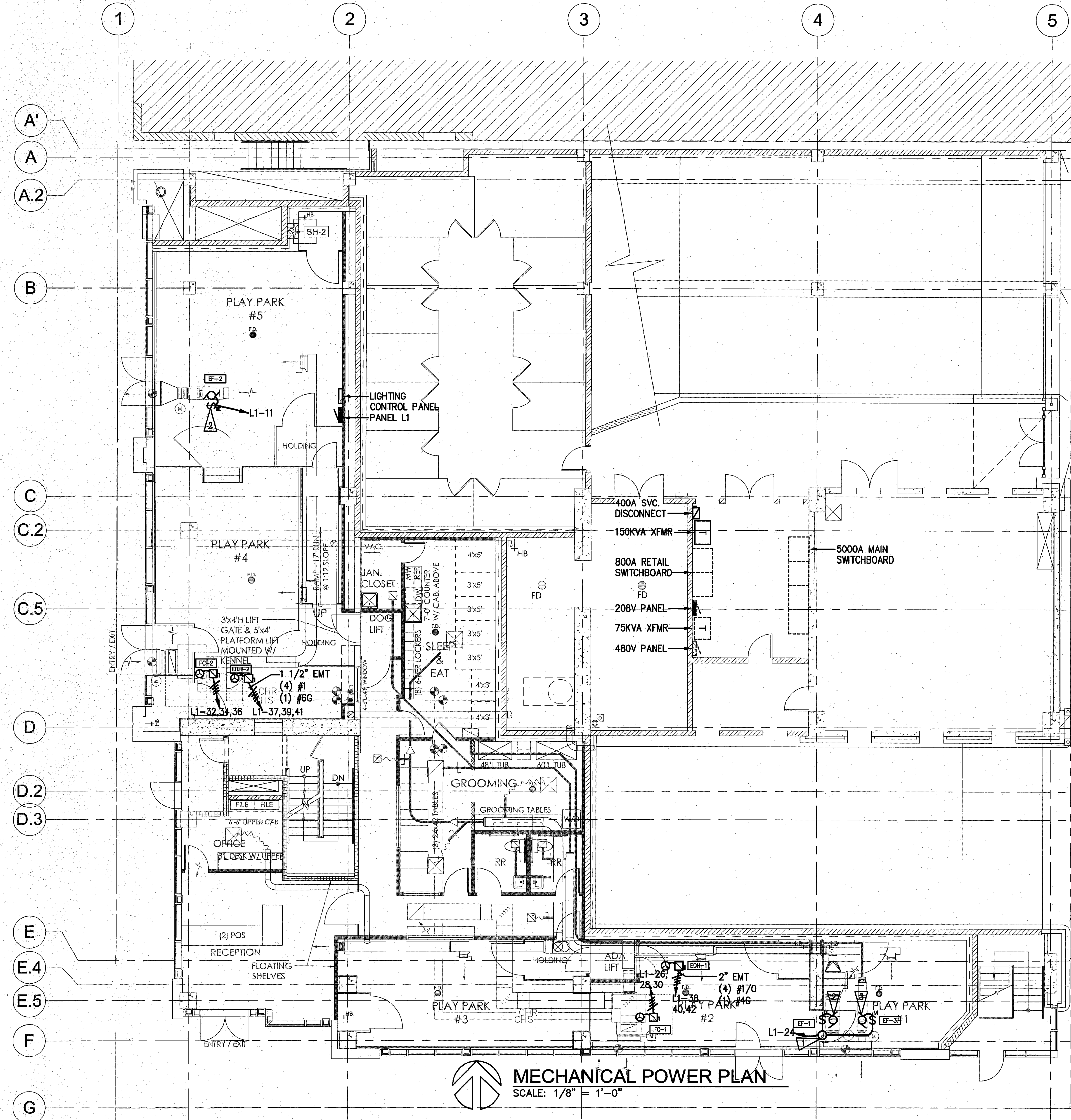
**EXIT SIGNS & ILLUMINATION
SHALL COMPLY WITH
APPROVED BUILDING PLANS**

**ALL ELECTRICAL INSTALLATIONS
SHALL COMPLY WITH REQUIREMENTS
OF SEATTLE ENERGY CODE 1513(1-8)**

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- GENERAL NOTES:**
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 2. MULTI-WIRE BRANCH CIRCUITS SHALL MEET NEC 210.4 REQUIREMENTS.
 3. COLOR OF ALL WIRING DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT, U.N.O.. VERIFY WITH ARCHITECT PRIOR TO ORDERING.
 4. COORDINATE ALL CABLE PATHWAY ROUTING IN STRUCTURE, FINISHES AND OTHER TRADES PRIOR TO ROUGH-IN.
 5. EQUIPMENT SHOWN BOLD IS NEW.
 6. EQUIPMENT SHOWN DASHED IS EXISTING.
- FLAG NOTES:**
- ▷ 25' TAP RULE APPLIES. CONTRACTOR TO ROUTE ACCORDINGLY AND ADJUST FOR FIELD CONDITIONS AS REQUIRED.
 - ▷ EF-1 TO BE INTERLOCKED WITH FC-1 AND EF-2 TO BE INTERLOCKED WITH FC-2 SUCH THAT WHEN THE FC IS IN THE OCCUPIED MODE, THE EXHAUST FAN'S MOTORIZED DAMPER WILL OPEN AND THE FAN WILL BE ENERGIZED.
 - ▷ EF-3 WILL RUN CONTINUOUSLY.

CITY OF SEATTLE
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By *Tim Dwyer*
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MECHANICAL
POWER PLAN

E4.01

PERMIT SET

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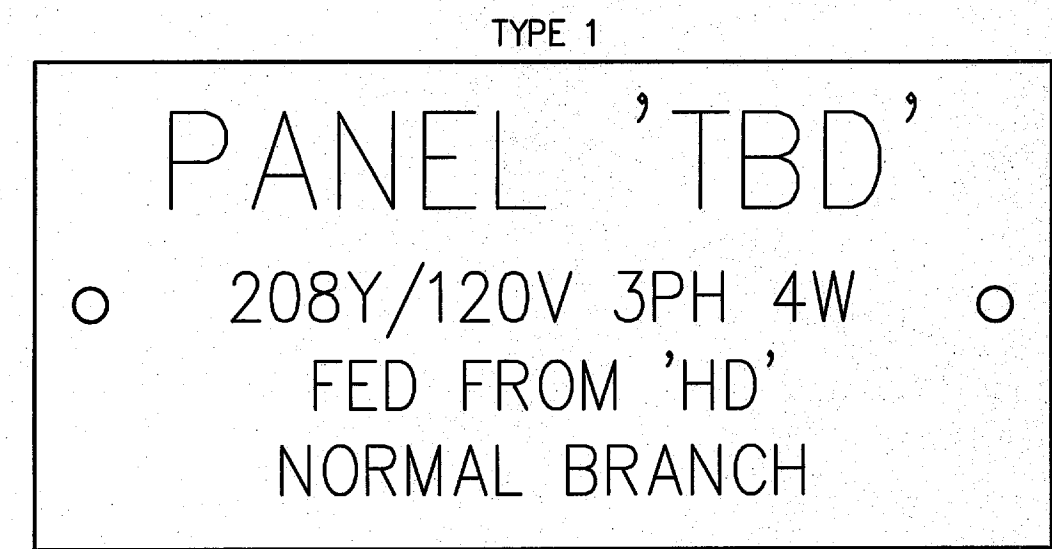
FEEDER SCHEDULE ALUMINUM				
ID NO	EMT RACEWAY	WIRE COUNT & SIZE	AMPACITY/ OCP SIZE	NOTES
03N	3/4"	4 - #6, 1#6 G.	30 / 30	60-deg rating
06	3/4"	3 - #6, 1#6 G.	30 / 30	60-deg rating
04N	1"	4 - #6, 1#6 G.	40 / 40	60-deg rating
04	1"	3 - #6, 1#6 G.	40 / 40	60-deg rating
05N	1 1/4"	4 - #4, 1#4 G.	55 / 50	60-deg rating
05	1"	3 - #4, 1#4 G.	55 / 50	60-deg rating
06N	1 1/4"	4 - #3, 1#6 G.	65 / 60	60-deg rating
06	1 1/4"	3 - #3, 1#6 G.	65 / 60	60-deg rating
07N	1 1/4"	4 - #2, 1#6 G.	75 / 70	60-deg rating
7	1 1/4"	3 - #2, 1#6 G.	75 / 70	60-deg rating
08N	1 1/4"	4 - #1, 1#6 G.	85 / 80	60-deg rating
8	1 1/4"	3 - #1, 1#6 G.	85 / 80	60-deg rating
10N	2"	4 - #1/0, 1#6 G.	120 / 100	75-deg rating
10	1 1/2"	3 - #1/0, 1#6 G.	120 / 100	75-deg rating
12N	2"	4 - #1/0, 1#4 G.	120 / 110	75-deg rating
12	1 1/2"	3 - #1/0, 1#4 G.	120 / 110	75-deg rating
13N	2"	4 - #2/0, 1#4 G.	135 / 125	75-deg rating
13	2"	3 - #2/0, 1#4 G.	135 / 125	75-deg rating
15N	2"	4 - #3/0, 1#4 G.	155 / 150	75-deg rating
15	2"	3 - #3/0, 1#4 G.	155 / 150	75-deg rating
16N	2 1/2"	4 - #4/0, 1#4 G.	180 / 175	75-deg rating
16	2"	3 - #4/0, 1#4 G.	180 / 175	75-deg rating
20N	2 1/2"	4 - 250kcmil, 1#4 G.	205 / 200	75-deg rating
20	2 1/2"	3 - 250kcmil, 1#4 G.	205 / 200	75-deg rating
22N	2 1/2"	4 - 300kcmil, 1#2 G.	230 / 225	75-deg rating
22	2 1/2"	3 - 300kcmil, 1#2 G.	230 / 225	75-deg rating
25N	3"	4 - 350kcmil, 1#2 G.	250 / 250	75-deg rating
25	2 1/2"	3 - 350kcmil, 1#2 G.	250 / 250	75-deg rating
27N	3"	4 - 400kcmil, 1#2 G.	270 / 250	75-deg rating
27	2 1/2"	3 - 400kcmil, 1#2 G.	270 / 250	75-deg rating
30N	3"	4 - 500kcmil, 1#2 G.	310 / 300	75-deg rating
30	3"	3 - 500kcmil, 1#2 G.	310 / 300	75-deg rating
34N	3 1/2"	4 - 600kcmil, 1#1 G.	340 / 300	75-deg rating
34	3"	3 - 600kcmil, 1#1 G.	340 / 300	75-deg rating
40N	(2) 2 1/2"	4 - 250kcmil, 1#1 G.	410 / 400	75-deg rating
40	(2) 2 1/2"	3 - 250kcmil, 1#1 G.	410 / 400	75-deg rating
45N	(2) 2 1/2"	4 - 300kcmil, 1#1/0 G.	460 / 450	75-deg rating
45	(2) 2 1/2"	3 - 300kcmil, 1#1/0 G.	460 / 450	75-deg rating
50N	(2) 3"	4 - 350kcmil, 1#1/0 G.	500 / 500	75-deg rating
50	(2) 2 1/2"	3 - 350kcmil, 1#1/0 G.	500 / 500	75-deg rating
60N	(2) 3"	4 - 500kcmil, 1#2/0 G.	620 / 600	75-deg rating
60	(2) 3"	3 - 500kcmil, 1#2/0 G.	620 / 600	75-deg rating
75N	(3) 3"	4 - 350kcmil, 1#3/0 G.	750 / 750	75-deg rating
75	(3) 2 1/2"	3 - 350kcmil, 1#3/0 G.	750 / 750	75-deg rating
80N	(3) 3"	4 - 400kcmil, 1#3/0 G.	810 / 800	75-deg rating
80	(3) 2 1/2"	3 - 400kcmil, 1#3/0 G.	810 / 800	75-deg rating
90N	(3) 3"	4 - 500kcmil, 1#4/0 G.	930 / 900	75-deg rating
90	(3) 3"	3 - 500kcmil, 1#4/0 G.	930 / 900	75-deg rating
100N	(3) 2 1/2"	4 - 600kcmil, 1#4/0 G.	1020 / 1000	75-deg rating
100	(3) 3"	3 - 600kcmil, 1#4/0 G.	1020 / 1000	75-deg rating
120N	(4) 3"	4 - 500kcmil, 1#250 G.	1240 / 1200	75-deg rating
120	(4) 3"	3 - 500kcmil, 1#250 G.	1240 / 1200	75-deg rating
150N	(5) 3"	4 - 500kcmil, 1#350 G.	1550 / 1500	75-deg rating
150	(5) 3"	3 - 500kcmil, 1#350 G.	1550 / 1500	75-deg rating
160N	(6) 3"	4 - 400kcmil, 1#350 G.	1620 / 1600	75-deg rating
160	(6) 2 1/2"	3 - 400kcmil, 1#350 G.	1620 / 1600	75-deg rating
200N	(6) 2 1/2"	4 - 600kcmil, 1#400 G.	2040 / 2000	75-deg rating
200	(6) 3"	3 - 600kcmil, 1#400 G.	2040 / 2000	75-deg rating

NOTE: Based on THHN insulation, EMT conduit and Chapter 9, Table 4 and Table 5a for compact AL wire, of the NEC, 2008 edition.

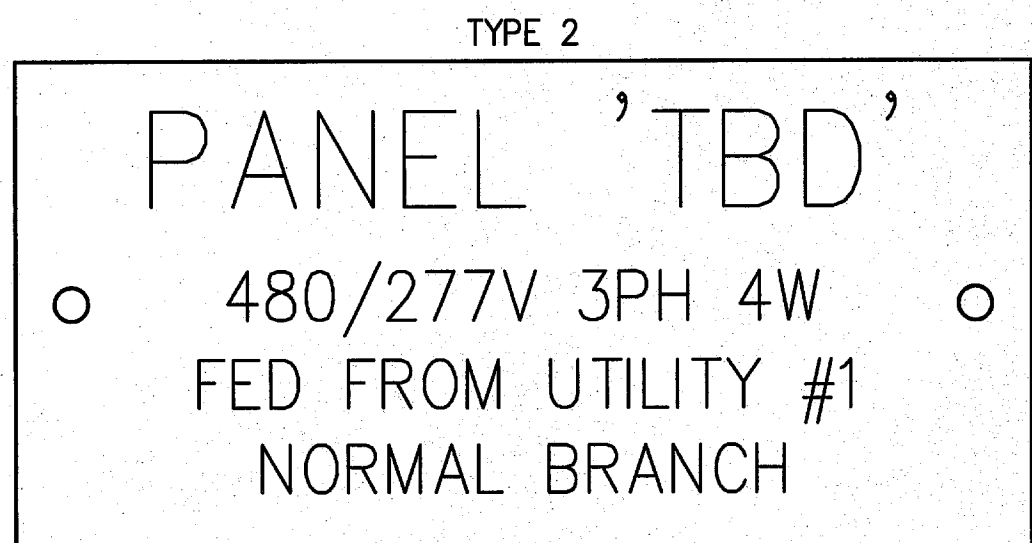
* - Indicates acceptable overcurrent device rating for single feeder. This rating shall not be used for sizing parallel feeders.

** - Indicates overcurrent protective device rating that may be used for this feeder. The Contractor shall install feeder size indicated even if Code allows smaller to be used.

PANEL SCHEDULE											
PANEL: L1		LOCATION: PLAYPARK#5			VOLTS: 208 Y 120		P 3	W: 4			
AMP: 400 MLO		MCB <input checked="" type="checkbox"/>			AIC RATING: 10,000		MOUNT: <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH				
TYPE: EXISTING		NEW <input checked="" type="checkbox"/>		STYLE:	NEUTRAL: 100%		FED FROM: RETAIL SWITCHGEAR (VIA 720V XFMR)				
CIRCUIT DESCRIPTION					LOAD	LOAD	LOAD	LOAD	CIRCUIT DESCRIPTION		
		TYPE	LOAD	KVA	#	CR	1	CR			
REC - PLAYPARK#5, PLAYPARK#4, OFFICE	REC	1.08	20	1	1	2	20	0.68	MTR	L1G - LOW BAY PLAYPARK#5	
POS STATION - RECEPTION	MISC	1.00	20	1	3	4	1	0.58	L1G	L1G - LOW BAY PLAYPARK#4	
POS STATION - RECEPTION	MISC	1.00	20	1	5	6				SPACE	
REC - RECEPTION, PLAYPARK#3, PLAYPARK#2, PLAYPARK#1	REC	0.72	20	1	7					SPACE	
REC (DED) - VACUUM	MTR	1.68	20	1	9	B	10	20	0.17	L1G	L1G - GROOMING JANITORS CLOSE 2 BATHROOMS
ADALIFT	MTR	1.66	20	1	11	C	12	20	0.96	MTR	REC - JANITORY
WASHER & DRYER (STACKED)	MISC	2.68	30	2	15		14	1	0.73	L1G	L1G - LOW BAY PLAYPARK#4
	MISC	2.68	30	2	15		16				SPACE
	MISC	2.68	30	2	15		17				SPACE
REC (DED) - GROOMING TABLE	MTR	1.19	20	1	19	A	20	20	0.50	L1G	L1G - REAR LOW BAY RECEPTION
REC (DED) - GROOMING TABLE	MTR	1.19	20	1	21	B	22	1	0.54	L1G	L1G - RECEPTION
REC (DED) - GROOMING TABLE	MTR	1.19	20	1	23	C	24	20	1.63	MTR	FC-1, FC-3
REC (DED) - HYDROSURGE	MTR	0.18	20	1	25	A	26	3	0.58	MTR	FC-1
REC (DED) - HYDROSURGE	MTR	0.18	20	1	27	B	28	-	0.58	MTR	
REC - GROOMING RESTROOMS	REC	0.92	20	1	29	C	30	-	0.58	MTR	
REC (DED) - REFER	REC	1.80	20	1	31	A	32	3	0.29	MTR	FC-2
REC (DED) - MICROWAVE	REC	1.00	20	1	33	B	34	-	0.29	MTR	
REC (DED) - DISHWASHER	REC	0.80	20	1	35	C	36	-	0.29	MTR	
EF#2	MISC	7.33	100	3	37	A	38	3	150	MISC	EDH-8
	MISC	7.33	-	-	39	B	40	-	13.00	MISC	
	MISC	7.33	-	-	41	C	42	-	13.00	MISC	
ESTIMATED MAXIMUM DEMAND (EMD) CALCULATIONS											
LOAD SUMMARY:											
LOAD TYPE:	CONNECTED	E.M.D. CALCULATION									
LIGHTING	4.56 KVA	615 KVA (100%)									
RESIDENT L1G/RECP	RES	0.00 KVA	0.00 KVA (100/025%)								
SMALL APPLIANCE	RES	0.00 KVA	0.00 KVA (100/025%)								
LARGEST MOTOR	1.92 KVA	2.40 KVA (125%)									
REPAIRING MOTORS	MTR	6.80 KVA	11.68 KVA (100%)								
GEN PURPOSE RECP	REC	6.80 KVA	6.30 KVA (90% + 10KVA)								
COMPUTER RECP	MISC	0.00 KVA	0.00 KVA (100%)								
MISC	MISC	7.35 KVA	7.35 KVA (100%)								
HEATING	MISC	69.90 KVA	69.90 KVA (100%)								
ELEV	0.00 KVA	0.00 KVA									
KITCHEN EQP	KITCH	0.00 KVA	0.00 KVA @ 65%								
TOTALS		91.17 KVA	94.88 KVA								
		298.60 AMPS	263.35 AMPS								
LOAD TYPE NOTES:											
*COMB = COMBINATION LOAD TYPES OR INDICATED CIRCUIT											
*REC = RESIDENT L1G/RECP OR SMALL APPLIANCE LOAD TAKEN AT INDICATED DEMAND											
*MTR = EQUIP. COMPUTERS REC OR MTR/LOAD OR INDICATED CIRCUIT AT 100%											
*FOR BREAKER SIZING: CONTRACTORS DISCRETION. PROVIDE SEPARATE NEUTRALS FOR BREAKER AS INDICATED OR PROVIDE MULTIPLE BREAKER FOR SHARED NEUTRAL.											
FLAG NOTES:											
1											



FOR PANELBOARDS AND ATS

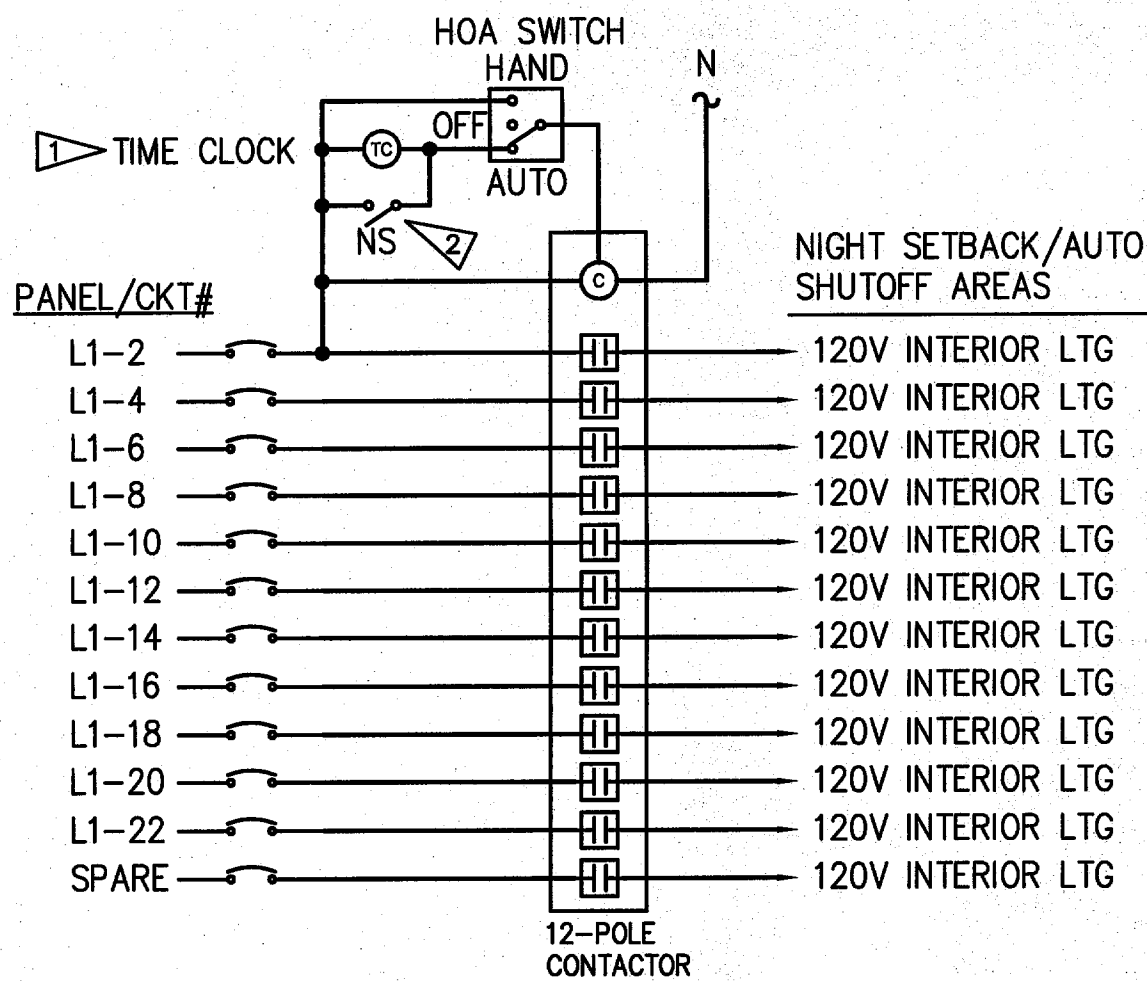


FOR SWITCHBOARDS AND TRANSFORMERS

GENERAL NOTES:

1. SECURE NAMEPLATE TO SURFACES.
2. NAMEPLATE TO BE 1/16" PHENOLIC PLASTIC LAMINATE WITH COLORS AS FOLLOWS "NORMAL BRANCH": FACE TO BE BLACK, ENGRAVED LETTERS TO BE WHITE.

1 PANEL NAME IDENTIFICATION DETAIL
SCALE: NTS



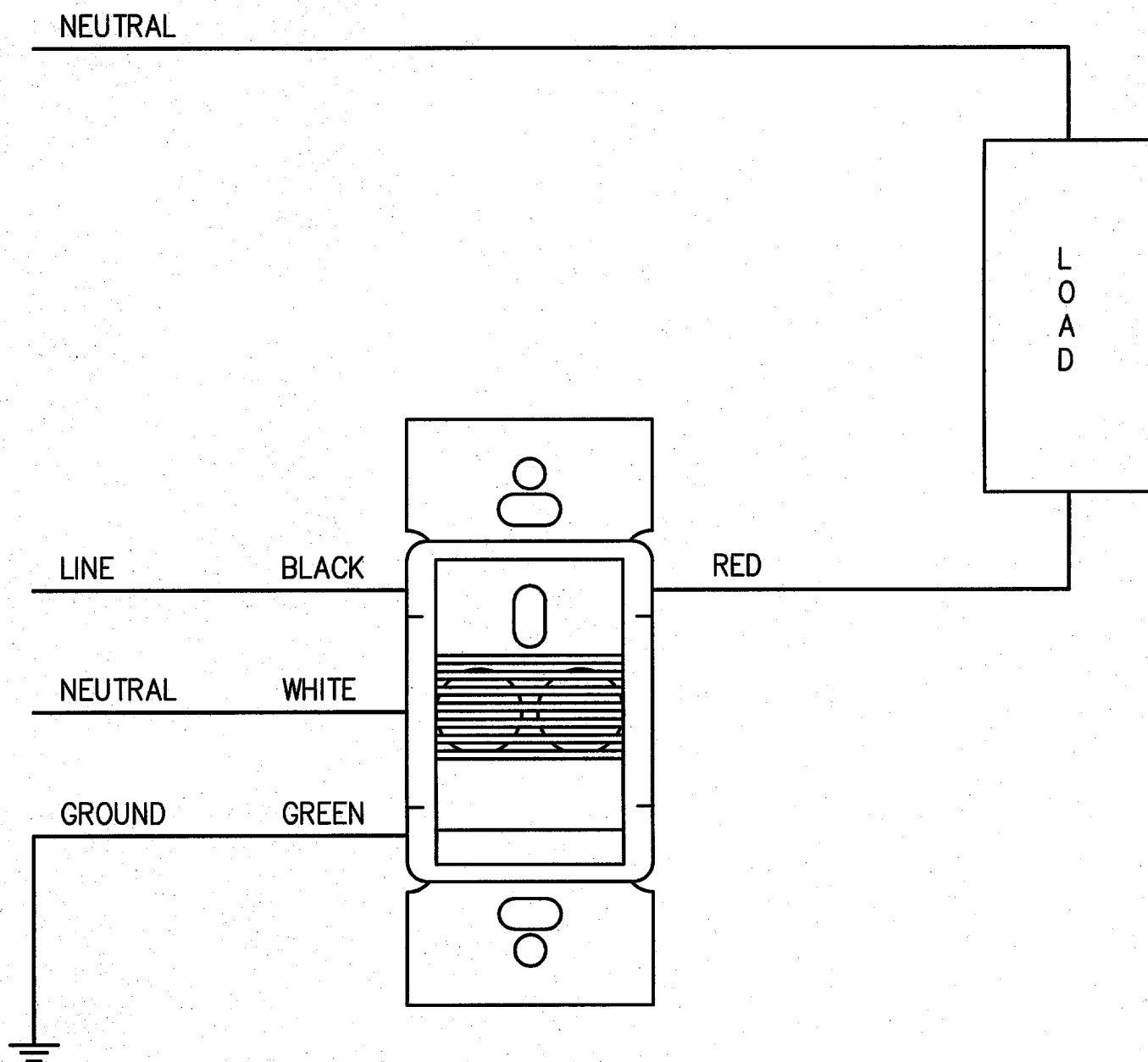
GENERAL NOTES:

1. ALL DAYLIGHTED AREAS IN THIS PROJECT ARE ROOMS LESS THAN 300SF, NO DAYLIGHT CONTROLS REQUIRED.
2. ROUTE UNSWITCHED HOT CIRCUIT TO ALL BATTERY EGRESS LIGHTS AS INDICATED.

FLAG NOTES:

1. PROVIDE SINGLE-CHANNEL 24 HOUR/7-DAY/HOLIDAY PROGRAMMABLE TIMECLOCK WITH BATTERY BACKUP, COMPLIANT WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS. COORDINATE PROPER INPUT VOLTAGE.
2. PROVIDE SUITABLE NIGHT SETBACK CONTROL WITH FLICKER WARNING FUNCTION TO PROVIDE UP TO TWO HOUR OPERATION. PARAGON ET1100F OR EQUAL.
3. PROVIDE 4-SCENE PROGRAMMABLE LIGHTING CONTROLLER AND OCCUPANCY SENSOR IN LIEU OF AUTOMATIC DAYLIGHT CONTROLS PER WASHINGTON STATE ENERGY CODE REQUIREMENTS.

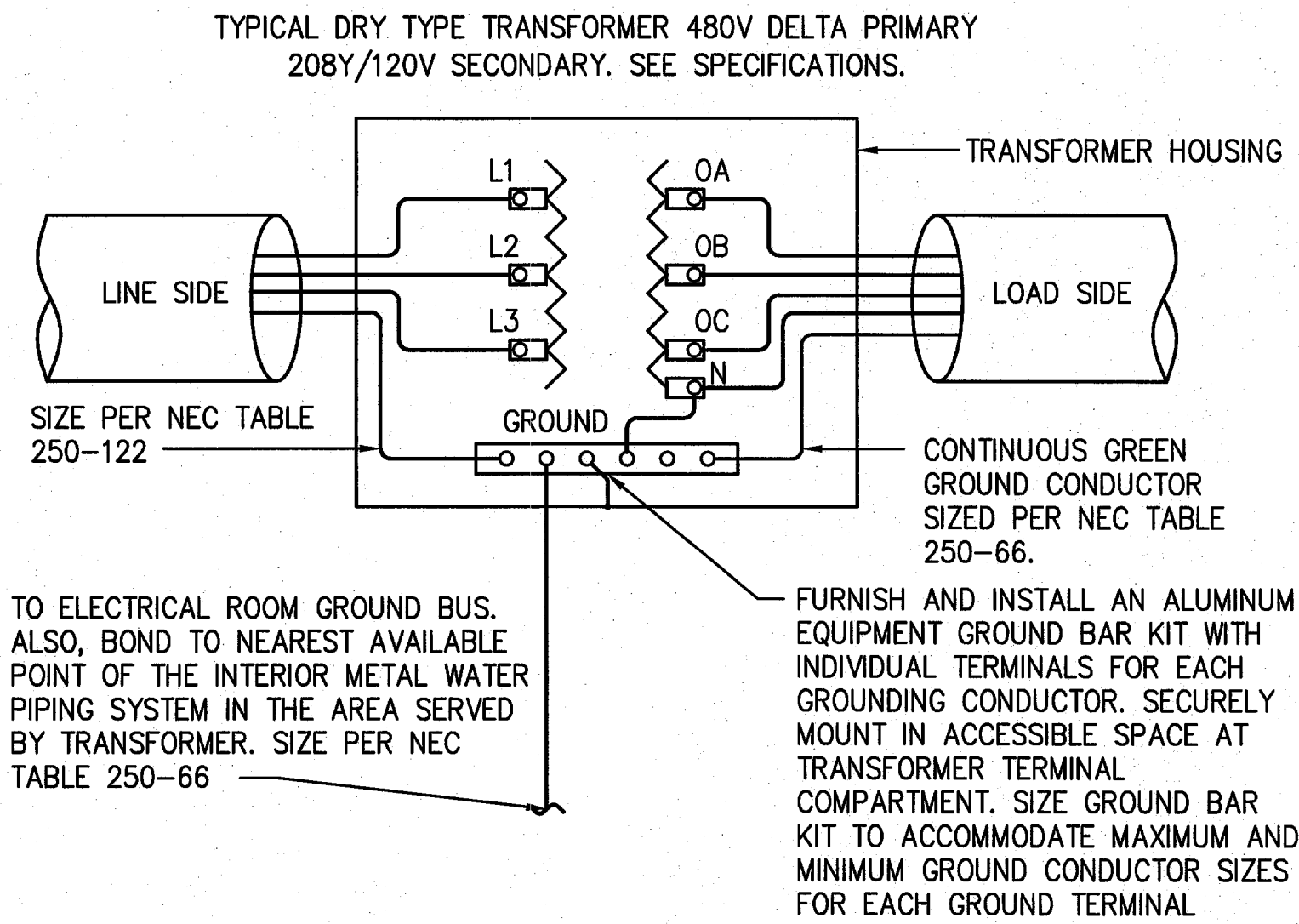
4 INTERIOR AUTOMATIC LIGHTING CONTROLS
SCALE: NTS



GENERAL NOTES:

1. EMERGENCY BATTERY PACKS (WHERE INDICATED ON PLANS) SHALL BE PROVIDED AN UNSWITCHED 'EMERGENCY BRANCH' PHASE CONDUCTOR IN ADDITION TO THE SWITCH LEG OF THE SAME CIRCUIT.

2 WIRING DIAGRAM-OCCUPANCY SENSING WALL SWITCH
SCALE: NTS



3 TYPICAL TRANSFORMER GROUNDING DETAIL
SCALE: NTS

ALL ELECTRICAL MATERIALS & EQUIPMENT SHALL BE LISTED BY APPROVED TESTING LAB AND APPROVED BY THE ELECTRICAL DIVISION OF THE DEPT. OF PLANNING AND DEVELOPMENT SUBJECT TO FINAL APPROVAL OF FIELD INSPECTOR

6384245

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809 OLIVE WAY SUITE#TBD
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7056 SOUTH 220TH STREET
KENT, WA 98032
PHONE (253) 872-5553
FAX (253) 872-4112

REV # DATE
11/05/2013

DRAWN CM,IE
CHECKED CM
DATE 11/05/2013
ELECTRICAL DETAILS

E6.01

PERMIT SET