



CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

E	DESIGNATION: E4D2A			VOLTAGE(V): 480Y/277V - 3PH-4W							BUS RATING(A): 125			
	AVAILABLE FAULT(A): 7847		MAIN: MLO		MOUNTING: Surface							ENCLOSURE: NEMA 1		
N	DESCRIPTION		DEMAND	VA	BKR A/P	CKT		CKT	BKR A/P	VA	DEMAND	DESCRIPTION		
	LIGHTS K2684			80	20/1	1	A	2	20/1	320		LIGHTS K2684** LOWER COVE LITES D-10 D-11		
	LIGHTS K2684			68	20/1	3	B	4	20/1	680		LIGHTS K2684 **		
	4LRC2D-41D-A RLY 36		EQ	76	20/1	5	C	6	20/1	64		LIGHTS K2684 **		
	4LRC2D-41D-A LCP POWER		EQ	150	20/1	7	A	8	20/1	0		SPARE		
	SPARE			0	20/1	9	B	10		0		SPACE		
	SPARE			0	20/1	11	C	12		0		SPACE		
	SPACE			0		13	A	14		0		SPACE		
	SPACE			0		15	B	16		0		SPACE		
	SPACE			0		17	C	18		0		SPACE		
	SPACE			0		19	A	20		0		SPACE		
	SPACE			0		21	B	22		0		SPACE		
	SPACE			0		23	C	24		0		SPACE		
	SPACE			0		25	A	26		0		SPACE		
	SPACE			0		27	B	28		0		SPACE		
	SPACE			0		29	C	30		0		SPACE		
	SPACE			0		31	A	32		0		SPACE		
	SPACE			0		33	B	34		0		SPACE		
	SPACE			0		35	C	36		0		SPACE		
	SPACE			0		37	A	38	50/3	0		PANEL E2D2A **		
SPACE			0		39	B	40		0					
SPACE			0		41	C	42		0					
DEMAND CATEGORY		A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)		NOTES:					TOTAL CONNECTED LOAD VA:		9935
(None)		3040	4810	1974	9824							MAX CONNECTED PHASE AMPS:		16.0
EQUIPMENT (EQ)		2000	0	76	2076							TOTAL DESIGN LOAD VA:		11900
												MAX DESIGN PHASE AMPS:		18.2
DESIGN LOAD PHASE SUB-TOTAL		5040	4810	2050	11900									

(E)	DESIGNATION: E4L1T-7C			VOLTAGE(V): 480Y/277V - 3PH-4W							BUS RATING(A): 400		
	AVAILABLE FAULT(A): 27184		MAIN: Breaker 400		MOUNTING: Surface							ENCLOSURE: NEMA 1	
(N)	DESCRIPTION		DEMAND	VA	BKR A/P	CKT		CKT	BKR A/P	VA	DEMAND	DESCRIPTION	
	LOADING DOCK E-LIGHTS		LCL	1000	20/1	1	A	2	20/1	0	LCL	SPARE	
	4DC1T-13G-B RLY 41:42		LCL	76	20/1	3	B	4	20/1	1826	LCL	4LDC1T-13G-B RLY 43:48 ZB-32-01E ZB-42-01E ZB-43-01E:03E	
	SPARE			0	20/1	5	C	6	20/1	0	LCL	SPARE	
	SPARE			0	20/1	7	A	8	20/1	0	LCL	SPARE	
	SPARE			0	20/1	9	B	10	20/1	1000	LCL	L-T1100 E.LIGHTS MEZZ	
	LTS T1836		LCL	500	20/1	11	C	12	20/1	1000	LCL	L-T1100	
	LIGHTS ROOM 1340 & 1342		LCL	700	20/1	13	A	14	20/1	1000	LCL	LIGHTS STAIR 1144	
	T1209 10 12 CATWALK LIGHTS		LCL	1000	20/1	15	B	16	20/1	1000	LCL	LIGHTS LOBBY 1100	
	T1553 54 1618 CATWALK LIGHTS		LCL	1000	20/1	17	C	18	20/1	1280	LCL	Z32-204E/205E/224E/265E Z42-203E/224E	
	T1250 CATWALK LIGHTS		LCL	1000	20/1	19	A	20	20/1	768	LCL	LTG ENPLANING	
	T1TK50 CATWALK LIGHTS		LCL	1000	20/1	21	B	22	20/1	183	LCL	LTG ENPLANING	
	LTS T1234; T1235; T1340; T1341;38;39		LCL	1000	20/1	23	C	24	20/1	202	LCL	Z42-203E/224E/225E Z43-101E	
	T1TK50 DOWN LTS		LM	1000	20/1	25	A	26		0		SPACE	
	L-T1211		LCL	1000	20/1	27	B	28		0		SPACE	
	4LDC1T-13G-A & B LCP POWER		LCL	4000	20/1	29	C	30		0		SPACE	
	POWER MONITOR		EQ	0	20/3	31	A	32	70/3	0		E4T1T-7C	
				0		33	B	34		0			
				0		35	C	36		0			
	E4L1T-6L			0	150/3	37	A	38	150/3	0		E4L1T-8AC	
			0		39	B	40		0				
			0		41	C	42		0				
DEMAND CATEGORY		A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)						TOTAL CONNECTED LOAD VA:		65398
(None)		125	125	125	375						MAX CONNECTED PHASE AMPS:		86.1
EQUIPMENT (EQ)		2500	1500	2000	6000						TOTAL DESIGN LOAD VA:		80248
LARGEST MOTOR (LM)		1250	0	0	1250						MAX DESIGN PHASE AMPS:		105.8
LIGHT AND CONT (LCL)		23343	22090	27190	72623						NOTES:		
DESIGN LOAD PHASE SUB-TOTAL		27218	23715	29315	80248								

E4D2A	E4L1T-7C
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PORTLAND INTERNATIONAL AIRPORT
TERMINAL RESTROOM REHABILITATION 2026
EM 480V PANEL SCHEDULES 2 - ELECTRICAL

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. NGUYEN		
DRAWN BY	A. NGUYEN		
CHECKED BY	J. MUTSCHLER		
DATE	JULY 2026		
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DRAWING NO.	PDX 2026-510		DISC. SHT. NO. E8.22