PANEL LP-1

*SEE NOTE 8

SPACES 42 | MOUNTING SURFACE | LOCATION ELEC. ROOM | MAIN LUG ONLY 225A | MAIN BREAKER | VOLTAGE 120/208V 3Φ 4W | MAIN BUS RAT. 225A | FEED BOTTOM

CKT. NO.	DESCRIPTION	LOADS A	LOADS B	LOADS C	BKR SIZE	POLE	BKR SIZE	POLE	LOADS A	LOADS B	LOADS C	DESCRIPTION	CKT. NO.
1	PHARMACY LIGHTING	720W			20	1	20	1	773W			TOILET, EMPLOYEE RM, EF-2	2
3	PHARMACY LIGHTING		528W		20	1	20	1		733W		STOCKROOM, PASSAGE #2, TOWER (REAR)	4
5	SPARE			-	20	1	20	1			653W	ELECTRIC RM, OFFICE, TRAINING/MULTI-PURPOSE RM, PORTER CLOSET	6
7	EXIT SIGNS	42W			20	1	20	1	539W			CELLAR LIGHTING	8
9	TOILET EXHAUST FAN EF-1 (FOR G.E.)		575W		20	1	20	1		983W		NIGHT LIGHTS / EMERGENCY LIGHTS	10
11	GENERAL SALES LIGHTING			665W	20	1	20	1			665W	GENERAL SALES LIGHTING	12
13	GENERAL SALES LIGHTING	760W			20	1	20	1	665W			GENERAL SALES LIGHTING	14
15	"H" FIXTURE LIGHTING (NORTHEAST & NORTHWEST WALL)		475W		20	1	20	1				SPARE	16
17	PHOTO LIGHTING			619W	20	1	20	1			2015W	"H" FIXTURE BEAUTY LIGHTS & LIGHT BOX RECEPTACLES	18
19	GEN. SALES, PATIENT SEAT/SERVICES, PASSAGE #3 LIGHTING	993W			20	1	20	1	300W			"H" FIXTURES LIGHTING (SOUTHWEST WALL)	20
21	GEN. SALES, LTG. & HW RECIRCULATION SYS.		865W		20	1	20	1		665W		GENERAL SALES LIGHTING	22
23	GENERAL SALES LIGHTING			760W	20	1	20	1			760W	GENERAL SALES LIGHTING	24
25	GENERAL SALES LIGHTING	760W			20	1	20	1	762W			GENERAL SALES LIGHTING	26
27	GENERAL SALES LIGHTING		665W		20	1	20	1		1189W		GENERAL SALES LIGHTING	28
29	GENERAL SALES LIGHTING			760W	20	1	20	1			1045W	GENERAL SALES LIGHTING	30
31	ATM/(HALLMARK/PHOTOWINI)	1400W			20	1	20	1	1568W			GENERAL SALES LIGHTING	32
33	MORTAR & PESTLE SIGN		1200W		20	1	20	1		1440W		BEAUTY LIGHT BOX RECEPTACLES	34
35	SPARE			-	20	1	20	1			1080W	BEAUTY LIGHT BOX RECEPTACLES	36
37	SPARE	-			20	1	20	1	-			SPARE	38
39	SPARE		-		20	1	20	1		-		SPARE	40
41	SPARE			-	20	1	20	1			-	LIGHTING CONTROLS	42
	TOTAL	4675	4308	2804					4607	5010	6218		

NOTE 9 (CKT. 1–19); NOTE 9 (CKT. 21–41); NOTE 15 (CKT. 2, 4); NOTE 9 (CKT. 6); NOTE 15 (CKT. 6); NOTE 9 (CKT. 8, 10); NOTE 14 (CKT. 40); NOTE 11 (CKT. 42)

PANEL TOTAL = 27.6 KVA 76.7 AMPS

PANEL LP-2

(VERSION 2) - SPLIT BUS PANEL - APPLIES TO STORES WITH WALL HEATERS ONLY (SEE NOTE 14).

SPACES 42 | MOUNTING SURFACE | LOCATION ELEC. ROOM | MAIN LUG ONLY 225A | MAIN BREAKER | VOLTAGE 120/208V 3Φ 4W | MAIN BUS RAT. 225A | FEED TOP

CKT. NO.	DESCRIPTION	LOADS A	LOADS B	LOADS C	BKR SIZE	POLE	BKR SIZE	POLE	LOADS A	LOADS B	LOADS C	DESCRIPTION	CKT. NO.
1	AIR CURTAIN	3543W			40		30		2004W			PAPER BAILER	2
3			3543W							2004W			4
5				3543W	3			3			2004W		6
7	AIR CURTAIN	3338W			35		20	1	-			SPARE	8
9			3338W				20		828W			ENTRANCE HEATER (EH-1)	10
11				3338W	3					828W			12
13	TRAINING / MULTIPURPOSE ROOM, RECEPTACLES	500W			20	1		3			828W		14
15	TRAINING / MULTIPURPOSE ROOM, PLUGMOLD		1000W		20	1	20	1	400W			IRRIGATION CONTROLLER	16
17	WATER COOLER			500W	20	1	20	1		750W		SUMP PUMP	18
19	SPARE	-			20	1	20	1	750W			SUMP PUMP	20
21	EMPLOYEE ROOM REFRIGERATOR		500W		20	1	20	1		750W		SUMP PUMP	22
23	EMPLOYEE ROOM GFCI RECEPTACLE			1000W	20	1	20	1			750W	SUMP PUMP	24
25	SECTION "B" FEEDER CIRCUIT BREAKER	-			60		20	1	-			SPARE	26
27			-				20	1		-		SPARE	28
29				-	3		20	1			-	SPARE	30
	NOTE: PROVIDE 60A, 3P, PANEL MOUNTED CONTACTOR												
31	WALL HEATER-EMPLOYEE ROOM	1000W			20		20	1	-			SPARE	32
33			1000W			2				-		SPARE	34
35	WALL HEATER - MENS ROOM			1000W	20		20	1			-	SPARE	36
37		1000W				2	20	1	-			SPARE	38
39	WALL HEATER - WOMENS ROOM		1000W		20					-		SPARE	40
41				1000W		2	20	1			-	SPARE	42
	TOTAL	9381	10381	10381			TOTAL		3982	3582	4332		

SECTION A; SECTION B; NOTE 17; NOTE 21; C

PANEL TOTAL = 42.0 KVA 116.8 AMPS

PANEL LP-SP

COORDINATE EXTERIOR SIGN LOCATIONS, SHOWN ON DRAWING A2.1 WITH CIRCUITING SHOWN ON DRAWING E1.1.

*SEE NOTE 8

SPACES 42 | MOUNTING SURFACE | LOCATION ELEC. ROOM | MAIN LUG ONLY 225A | MAIN BREAKER | VOLTAGE 120/208V 3Φ 4W | MAIN BUS RAT. 225A | FEED BOTTOM

CKT. NO.	DESCRIPTION	LOADS A	LOADS B	LOADS C	BKR SIZE	POLE	BKR SIZE	POLE	LOADS A	LOADS B	LOADS C	DESCRIPTION	CKT. NO.
1	PYLON SIGN - PRIMARY PANEL	1404W			20	1	20	1	246W			WALGREENS SIGNS (EXTERIOR ELEVATION 1)	2
3	PYLON SIGN - FUTURE READERBOARD		-		20	1	20	1		403W		EXTERIOR BOX SIGNS	4
5	PYLON SIGN - FUTURE READERBOARD			-	20	1	20	1			-	SPARE	6
7	DRIVE-THRU CANOPY - LIGHTING	516W			20	1	20	1	200W			ENTRANCE HEATER CONTROL	8
9	SPACE		-		20	1	20	1		246W		WALGREENS SIGNS (EXTERIOR ELEVATION 2)	10
11	SPACE			-	20	1	20	1			-	SPARE	12
13	SPACE	-			20	1	20	1	516W			"O" FIXTURE (DRIVE-THRU AND RECEIVING AREAS), E-3	14
15	SPACE		-		30	1	20	1		150W		FRONT TOWER (FIXTURE "H")	16
17	AWNING/CANOPY LIGHTING			129W	30	1	30				210W	SITE LIGHTING	18
19	AWNING/CANOPY LIGHTING	516W			30	1		2	210W			SITE LIGHTING	20
21	AWNING/CANOPY LIGHTING		258W		20	1	30			-		SPARE	22
23	AWNING/CANOPY LIGHTING			387W	20	1		2			-	SPARE	24
25	GONDOLA RECEPTACLES	1400W			20	1	30		350W			SITE LIGHTING	26
27	GONDOLA RECEPTACLES		1050W		20	1		2		350W		SITE LIGHTING	28
29	GONDOLA RECEPTACLES			1050W	20	1	30				210W	SITE LIGHTING	30
31	GONDOLA RECEPTACLES	1050W			20	1		2	210W			SITE LIGHTING	32
33	GONDOLA RECEPTACLES		1050W		20	1	20	1		414W		FACADE ACCENT FIXTURES	34
35	GONDOLA RECEPTACLES			1400W	20	1	20	1			552W	FACADE ACCENT FIXTURES	36
37	SPARE	-			20	1	30		-			SPARE	38
39	SPARE		-		20	1		2		-		SPARE	40
41	LIGHTING CONTROLS			-	20	1	20	1			-	CONTACTORS CONTROL PANEL	42
	TOTAL	4886	2358	2966			TOTAL		1732	1563	972		

NOTE 9 (CKT. 1–7); NOTE 9 (CKT. 17–41); NOTE 9 & NOTE 16 (TYP.) (CKT. 2–6); NOTE 25 (CKT. 8); NOTE 11 (CKT. 42)

PANEL TOTAL = 14.5 KVA 40.2 AMPS

PANEL LP-3

SPACES 42 | MOUNTING SURFACE | LOCATION ELEC. ROOM | MAIN LUG ONLY 225A | MAIN BREAKER | VOLTAGE 120/208V 3Φ 4W | MAIN BUS RAT. 225A | FEED TOP

CKT. NO.	DESCRIPTION	LOADS A	LOADS B	LOADS C	BKR SIZE	POLE	BKR SIZE	POLE	LOADS A	LOADS B	LOADS C	DESCRIPTION	CKT. NO.
1	ROOFTOP UNIT MAINTENANCE RECEPTACLES	1470W			20	1	20	1	-			SPARE	2
3	ELECTRONIC ARTICLE SURVEILLANCE (EAS)		200W		20	1	20	1		-		SPARE	4
5	PHARMACY BIOLOGICAL REFRIGERATOR			500W	20	1	20	1			1500W	REACH-IN FREEZER RECEPTACLE	6
7	OFFICE PLUGMOLD	1000W			20	1	20	1	1500W			REACH-IN FREEZER RECEPTACLE	8
9	OFFICE PLUGMOLD		1000W		20	1	20	1		1500W		REACH-IN REFRIGERATOR RECEPTACLE	10
11	OFFICE PLUGMOLD, CONV. RECEPTACLE (PASSAGE #2)			1200W	20	1	20	1			1500W	REACH-IN REFRIGERATOR RECEPTACLE	12
13	SPARE	-			20	1	20	1	1500W			REACH-IN REFRIGERATOR RECEPTACLE	14
15	SPARE		-		20	1	20	1		1500W		BACK-UP REFRIGERATOR RECEPTACLE	16
17	SPARE			-	20	1	20	1			1500W	BACK-UP FREEZER RECEPTACLE	18
19	STOCKROOM GENERAL PURPOSE RECEPTACLES	400W			20	1	20	1	600W			RECEPTACLES- SHELVING (54)	20
21	SPARE		-		20	1	20	1		400W		RECEPTACLES- SHELVING (54)	22
23	Rx DRIVE-THRU AUDIO & ALERT SYSTEM			100W	20	1	20	1			200W	GENERAL PURPOSE RECEPTACLE (SATELLITE DISH)	24
25	Rx DRIVE-THRU AUDIO & ALERT SYSTEM	100W			20	1	20	1	-			SPARE	26
27	Rx WORK COUNTER CONVEYER OUTLET		500W		20	1	20	1		-		SPARE	28
29	SPARE			-	20	1	20	1			-	SPARE	30
31	SPARE	-			20	1	20	1	-			SPARE	32
33	Rx WORK COUNTER PLUGMOLD		1000W		20	1	20	1		-		SPARE	34
35	Rx ROLL DOWN SHUTTER			200W	20	1	20	1			1200W	BEVERAGE COOLERS	36
37	Rx RECEPTACLE (INSIDE CASH REG. STAND)	600W			20	1	20	1	600W			FRONT RECEPTACLES (INSIDE CASH REG. STAND)	38
39	PATIENT SEATING CONV. RECEPTACLE		1000W		20	1	20	1		400W	-	BEAUTY RECEPTACLES (INSIDE CASH REG. STAND)	40
41	Rx WORK COUNTER RECEPTACLES			1000W	20	1	20	1			400W	PHOTO RECEPTACLES (INSIDE CASH REG. STAND)	42
	TOTAL	3570	3700	3000			TOTAL		4200	3800	6300		

NOTE 11 (CKT. 1–5)

PANEL TOTAL = 24.6 KVA 68.4 AMPS

PANEL LP-CR

SPACES 42 | MOUNTING SURFACE | LOCATION ELEC. ROOM | MAIN LUG ONLY 225A | MAIN BREAKER | VOLTAGE 120/208V, 1C. 3W | MAIN BUS RAT. 225A | FEED TOP

CKT. NO.	DESCRIPTION	LOADS A	LOADS B	BKR SIZE	POLE	BKR SIZE	POLE	LOADS A	LOADS B	DESCRIPTION	CKT. NO.
1	OFFICE SYSTEM EQUIPMENT	1000W		20	1	20	1			SPARE	2
3	OFFICE SYSTEM EQUIPMENT		500W	20	1	20	1			SPARE	4
5	(3) FRONT CASH REGISTERS	900W		20	1	20	1	1000W		Rx "FILLING" TERMINAL	6
7	(2) Rx FRONT CASH REGISTERS		600W	20	1	20	1		1000W	Rx "VERIFICATION" TERMINAL	8
9	(2) PHOTO CASH REGISTERS	600W		20	1	20	1	500W		Rx "CONSULTATION" TERMINAL	10
11	(2) BEAUTY CASH REGISTERS		600W	20	1	20	1		500W	Rx COMMUNICATION CABINET	12
13	FUTURE PRESCRIPTION FILLING ROBOT	1680W		20	1	20	1	500W		Rx COMMUNICATION CABINET	14
15	COVERT CCTV SYSTEM		500W	20	1	20	1		500W	TRAINING / MULTI-PURPOSE ROOM TERMINALS	16
17	BURGLAR/TELEPHONE/SOUND SYSTEM/UPS COMM MODULE	800W		20	1	20	1	350W		Rx CAMERA	18
19	TIME/ATTENDANCE (ELECTRONIC TIME CLOCK) & PHOTO TERMINAL		700W	20	1	20	1		500W	OFFICE COMMUNICATION CABINET	20
21	FIRE ALARM SYSTEM	200W		20	1	20	1	400W		SAT ANTENNA-DIGITAL INTERFACE UNIT (DIU/O)	22
23	SPARE			20	1	20	1		-	SPARE	24
25	AUTOMATED TELLER MACHINE (ATM)	200W		20	1	20	1	500W		Rx "DRIVE THRU" TERMINAL	26
27	Rx DRIVE-THRU CASH REGISTER		300W	20	1	20	1		500W	OFFICE COMMUNICATION CABINET	28
29	PATIENT SERVICES/FUTURE CLINIC TERMINAL	250W		20	1	20	1	500W		OFFICE COMMUNICATION CABINET	30
31	Rx "VERIFICATION" TERMINAL		500W	20	1	20	1		500W	Rx "FILLING" TERMINAL	32
33	DHL PRINTER AND SCALE	400W		20	1	–	–	500W		Rx "FILLING" TERMINAL	34
35	SPACE			–	–	–	–			SPARE	36
37	SPACE			–	–	–	–			SPARE	38
39	SPACE			–	–	–	–			SPACE	40
41	SPACE			–	–	–	–			SPACE	42
	TOTAL	6030	3700			TOTAL		4250	3500		

PANEL TOTAL = 17.5 KVA 48.6 AMPS

PANEL LP-4

SPACES 42 | MOUNTING SURFACE | LOCATION ELEC. ROOM | MAIN LUG ONLY 225A | MAIN BREAKER | VOLTAGE 120/208V 3Φ 4W | MAIN BUS RAT. 225A | FEED TOP

CKT. NO.	DESCRIPTION	LOADS A	LOADS B	LOADS C	BKR SIZE	POLE	BKR SIZE	POLE	LOADS A	LOADS B	LOADS C	DESCRIPTION	CKT. NO.
1	GENERAL PURPOSE RECEPTACLES	1000W			20	1	20	1	1200W			AUTOMATIC SLIDING DOORS	2
3	SHELVING PLUGMOLD		1000W		20	1	20	1		-		SPARE	4
5	SHELVING PLUGMOLD			1000W	20	1	20	1			3000W	1-HR PHOTO LAB PAPER PROCESSOR	6
7	SHELVING PLUGMOLD	500W			20	1	20	1	3000W			1-HR PHOTO LAB PAPER PROCESSOR	8
9	SHELVING PLUGMOLD		500W		20	1	20	1		-		SPARE	10
11	1-HR PHOTO LAB RECEPTACLES			400W	20	1	20	1			-	SPARE	12
13	1-HR PHOTO LAB PLUGMOLD	500W			20	1	20	1	500W			SILVER RECOVERY UNIT	14
15	ALADDIN KIOSK		300W		20	1	20	1		-		SPARE	16
17	1-HR PHOTO LAB PLUGMOLD			500W	20	1	30				300W	ALADDIN KIOSK	18
19	1-HR PHOTO LAB RECEPTACLES	400W			20	1		2					20
21	1-HR PHOTO LAB RECEPTACLE		2400W		20	1	30						22
23	GENERAL PURPOSE RECEPTACLES - CELLAR			800W	20	1		2					24
25					20	1	20	1					26
27					20	1	20	1					28
29					20	1	20	1					30
31					20	1	20	1					32
33					20	1	20	1					34
35	SPARE			-	20	1	20	1			-	SPARE	36
37	INK FILL	345W			20	1	20		-				38
39	GENERAL PURPOSE RECEPTACLE		1200W		20	1		3		-		POWER MONITORING EQUIPMENT	40
41	SPARE			-	20	1	20				-		42
	TOTAL	2545	5400	2700			TOTAL		4700	-	3300		

PANEL TOTAL = 18.6 KVA 51.8 AMPS

NOTES

1. ALL PANELBOARDS SHALL BE NEW AND HAVE BOLT-ON CIRCUIT BREAKERS 20A, 1-POLE (UNLESS NOTED OTHERWISE); HAVE THERMOMAGNETIC TRIP, QUICK MAKE/QUICK BREAK, AND TRIP FREE HANDLES. FOR SHORT CIRCUIT RATING REFER TO WALGREEN CO. CRITERIA SPECIFICATIONS SECTION 160400, PAR. 2.02.
2. PROVIDE "LOCK-ON" HARDWARE FOR ALL CRITICAL LOADS, COOLER/FREEZER, WATER COOLER, REFRIGERATORS, ETC.
3. NO SPACES ALLOWED IN PANELS UNLESS NOTED OTHERWISE. ALL PANELS SHALL HAVE 42 CIRCUIT BREAKERS UNLESS NOTED OTHERWISE.
4. NOT USED.
5. PANEL "LP-CR" SHALL HAVE A NEUTRAL BUS WITH 43 SCREWS (MINIMUM).
6. THE FOLLOWING WARNING SIGN SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR ON EACH PANELBOARD ENCLOSURE: **"AREA IN FRONT OF THIS ELECTRICAL PANEL MUST BE KEPT CLEAR FOR 36" PER OSHA-NEC REGULATIONS."**
7. NOT USED.
8. LIGHTING PANELBOARDS "LP-1" & "LP-SP" MUST BE BOTTOM FED TO ACCOMMODATE LIGHTING CONTROL LOW VOLTAGE RELAY SECTION.
9. DENOTES CIRCUITS REMOTELY CONTROLLED BY ~~SIEMENS-INSTABUS RELAY OR SQUARE "D" AND~~ G.E. CONTROLLABLE CIRCUIT BREAKERS. FOR SEQUENCE OF OPERATION REFER TO DRAWING E2.1A.
10. NOT USED
11. FACTORY PREWIRED.
12. NOT USED.
13. NOT USED.
14. FOR SPLIT BUS PANEL "LP-2" (VERSION 2), SECTION "B" CONTACTOR CONTROL CIRCUIT REFER TO DETAIL 6/E2.1B.
15. DENOTES CIRCUITS ~~REMOTELY CONTROLLED BY SIEMENS-INSTABUS RELAY OR~~ MANUALLLY CONTROLLED BY G.E. ~~AND SQUARE "D"~~ SYSTEM. REFER TO DETAIL 4 DRAWING E2.1C.
16. FOR SIGN ELEVATIONS AND POWER REQUIREMENTS, REFER TO DRAWING E1.7 AND ARCHITECTURAL DRAWINGS.
17. ~~CIRCUIT BREAKER MUST BE FACTORY PRE-WIRED TO CONTACTOR FOR SIEMENS AND SQ. D PANELS.~~ CIRCUIT BREAKER MUST BE WIRED IN THE FIELD TO CONTACTOR FOR G.E. PANELS.
18. NOT USED.
19. APPLIES ONLY TO STORES WITH OUTSIDE TEMPERATURE (PER SECTION 1B) 34° F. AND BELOW.
20. APPLIES ONLY TO STORES WITH OUTSIDE TEMPERATURE (PER SECTION 1B) ABOVE 34° F.
21. APPLIES ONLY TO STORES WHEN DESIGN TEMPERATURE IS 19° F AND BELOW.
22. PRIOR TO POSSESSION DATE THE LATEST COPY OF PANELS LP-1 AND LP-SP SCHEDULES MUST BE FAXED BY ELECTRICAL CONTRACTOR TO WALGREENS HELP CENTER AT (847) 788-3202.
23. NOT USED
24. NOT USED.
25. APPLIES ONLY TO G.E. STORES WITH ENTRANCE HEATER.

MOESER & ASSOCIATES
206 AYER ROAD HARVARD, MA 978-456-6905
ARCHITECT

DRAWINGS/SPECIFICATIONS BY:
☐ WALGREENS'
■ LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
☐ WALGREENS' CONTRACTOR
■ LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE	BUILDING
NEW . . . . . ■	NEW . . . . . ■
REMODELING . . . . . ☐	EXISTING . . . . . ☐
RELOCATION . . . . . ☐	NEW SHELL ONLY . . ☐
OTHERS . . . . . ☐	

NO.	DATE	BY	DESCRIPTION	CONST

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF MAINE AS SIGNIFIED BY MY HAND AND SEAL.

FISCAL 2007 CRITERIA - STORE #12325

WALGREENS
616 FOREST AVENUE
PORTLAND, MAINE

DRAWING TITLE
ELECTRICAL PANEL SCHEDULE (120V)

CADD PLOT:
VOID PLOT:
RELEASED TO CONSTRUCTION

SCALE: AS NOTED
DRAWN BY: RJV
DATE: 12-10-08
REVIEWED BY: SAM

DRAWING NO. **E3.1**