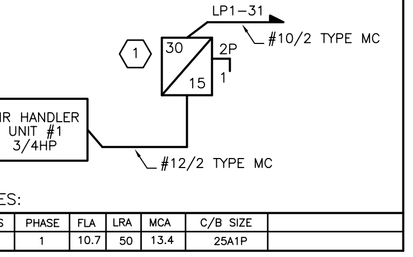
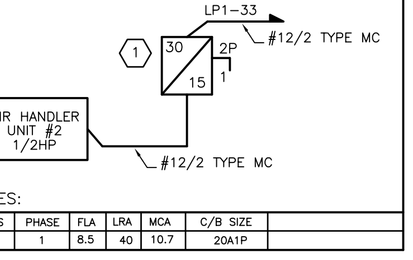
1 AHU-1



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	10.7	50	13.4	25A1P

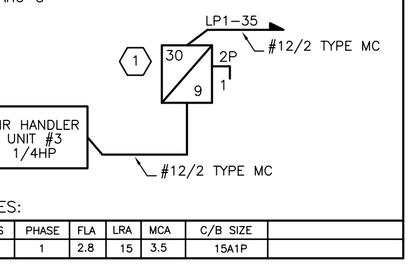
2 AHU-2



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	8.5	40	10.7	20A1P

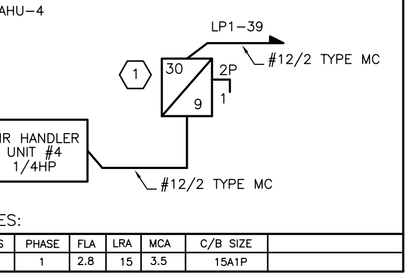
3 AHU-3



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	2.8	15	3.5	15A1P

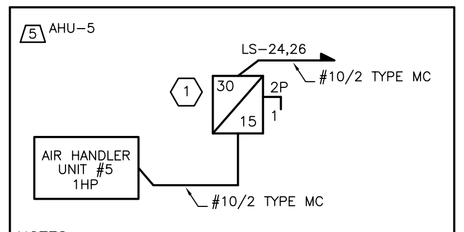
4 AHU-4



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	2.8	15	3.5	15A1P

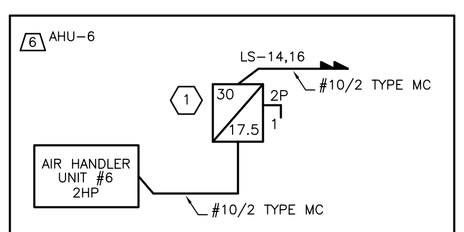
5 AHU-5



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	11.5	60	14.4	30A1P

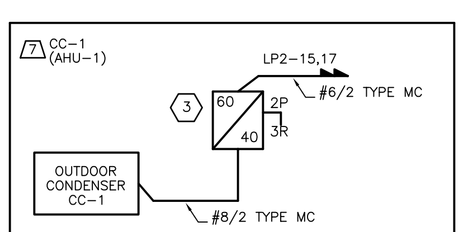
6 AHU-6



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	12	75	15.0	25A2P

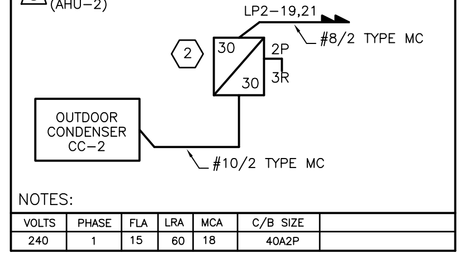
7 CC-1 (AHU-1)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	20	60	25	50A2P

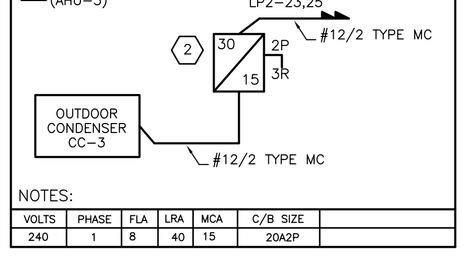
8 CC-2 (AHU-2)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	15	60	18	40A2P

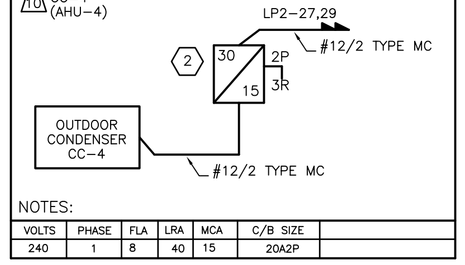
9 CC-3 (AHU-3)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	8	40	15	20A2P

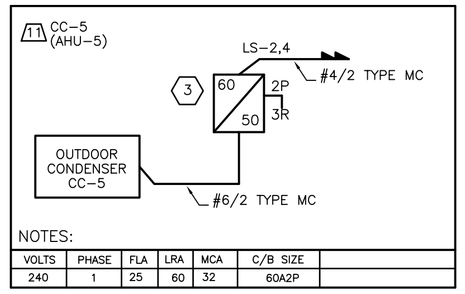
10 CC-4 (AHU-4)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	8	40	15	20A2P

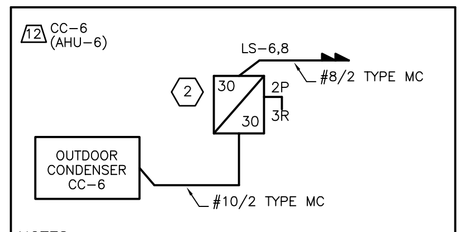
11 CC-5 (AHU-5)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	25	60	32	60A2P

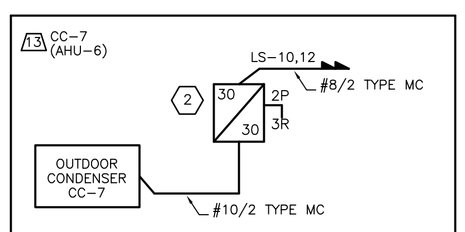
12 CC-6 (AHU-6)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	15	60	18	40A2P

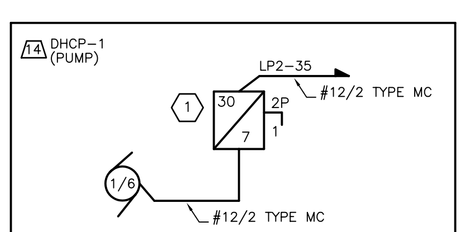
13 CC-7 (AHU-6)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
240	1	15	60	18	40A2P

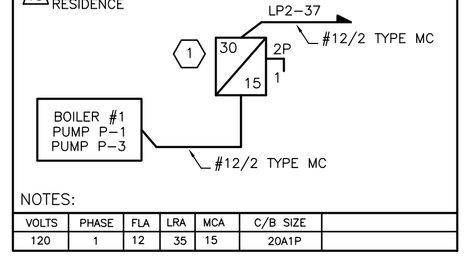
14 DHCP-1 (PUMP)



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	4.4	25	5.5	15A1P

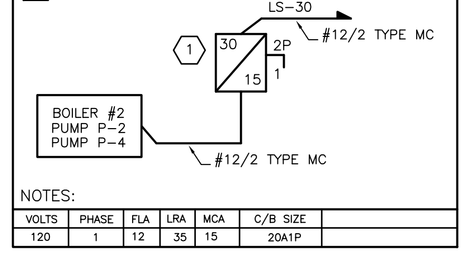
15A BOILER #1 RESIDENCE



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	12	35	15	20A1P

16 BOILER #2



NOTES:

VOLTS	PHASE	FLA	LRA	MCA	C/B SIZE
120	1	12	35	15	20A1P

PANEL "LP1" — PANEL SCHEDULE (NORMAL POWER)

VOLTAGE: 120/240 | PHASE: 1 | WIRE: 3 | BUS: 225A | MLO: NO | MCB: 225A2P | AIC: | CKTS: 42 | MOUNTING: SURFACE | CONNECTED KVA: | DEMAND KVA:

CKT #	BRKR. AMP	SIZE	POLE	Ø	LIGHTING A	LIGHTING B	LIGHTING C	RECEPTACLES A	RECEPTACLES B	RECEPTACLES C	POWER/HEAT A	POWER/HEAT B	POWER/HEAT C	MISC. A	MISC. B	MISC. C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A	1	1.4												KITCHEN LIGHTS
3	20	1	B			.9											KITCHEN LIGHTS
5	20	1	A	1	.5												LTS 1ST FLOOR
7	20	1	B			.8											LTS 1ST FLOOR
9	20	1	A	1	.4												LTS 2ND FLOOR
11	20	1	B			.8											LTS 2ND FLOOR
13	20	1	A	1	.8												LTS GARDEN
* 15	20	1	B			.3											LTS GUEST BED RM
* 17	20	1	A				.9										REC GUEST BED RM
* 19	20	1	B			.3											LTS 3RD FL BEDROOM
21	20	1	A	1	.5												LT 3FL BATH/HALL/STOR
* 23	20	1	B					.72									REC BED RM 8
* 25	20	1	A						1.5								REC BED RM 7 & 9
27	20	1	B							1.3							REC STORAGE
29	20	1	A					1.3									REC STORAGE
31	20	1	B						.36								REC BATH 3RD FL
33	25	1	A								1.3						AHU-1
35	20	1	B									1.0					AHU-2
37	15	1	A								.35						AHU-3
39	150	2	B														GENERATOR ATS
41			A														
2	20	1	A														LTS 2ND FLOOR
* 4	20	1	B														LTS BED ROOMS
* 6	20	1	A					.54									REC 2ND FL BED RM
8	20	1	B						.36								REC 2ND FL BATH
10	20	1	A					.36									REC 2ND FL BATH
* 12	20	1	B						.54								REC 2ND FL BED RM 5
* 14	20	1	A					1.1									REC 2ND FL BED 3&4
* 16	20	1	B						1.1								REC 2ND FL BED 2&3
* 18	20	1	A					1.3									REC 2FL BED 6&MASTER
* 20	20	1	B						.9								REC MASTER BED RM
22	20	1	A					.36									REC MASTER BATH
24	20	1	B						.72								REC DRESSING & HALL
26	30	2	A					2.5									DRYER
28			B						2.5								
30	30	2	A					2.5									DRYER
32			B						2.5								
34	20	1	A					1.5									WASHER
36	20	1	B						1.5								WASHER
38			A														
40			B														
42			A														
CONNECTED TOTAL																	
DEMAND								100%			70%			80%			
DEMAND TOTAL																	

NOTES: * AFCI BREAKER

PANEL "LP2" — PANEL SCHEDULE (NORMAL POWER)

VOLTAGE: 120/240 | PHASE: 1 | WIRE: 3 | BUS: 225A | MLO: NO | MCB: 225A2P | AIC: | CKTS: 42 | MOUNTING: SURFACE | CONNECTED KVA: | DEMAND KVA:

CKT #	BRKR. AMP	SIZE	POLE	Ø	LIGHTING A	LIGHTING B	LIGHTING C	RECEPTACLES A	RECEPTACLES B	RECEPTACLES C	POWER/HEAT A	POWER/HEAT B	POWER/HEAT C	MISC. A	MISC. B	MISC. C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A					.9									REC STUDY & EXT
3	20	1	B						1.1								REC STUDY & PLAY RM
5	20	1	A					.9									REC LIVING, PLAY RMS
7	20	1	B						.9								REC LV.HALL,BR,MUD RM
9	20	1	A					.18									REC BATH
11	20	1	B						.18								REC BATH
13	20	1	A					.18									REC EXT HVAC
15	50	2	B								2.4						CC-1
17			A														
19	40	2	B								2.4						CC-2
21			A									1.8					
23	20	2	B									1.0					CC-3
25			A								1.0						
27	20	2	B									1.0					CC-4
29			A								1.0						
31	20	2	B														SITE LIGHTS
33			A														
35	15	1	B									.7					DHCP-1
37	20	1	A								1.5						BOILER #1 SYSTEM
39	15	1	B									.36					AHU-4
41	15	1	A										.5				FIRE ALARM SYSTEM
2	20	1	A					.9									REC KIT COUNT/DINING
4	20	1	B						.72								REC KIT COUNT/DINING
6	20	1	A					.36									REC KITCHEN COUNTER
8	20	1	B						.72								RED DINING ROOM
10	20	1	A					1.5									REC DISHWASHER
12	20	1	B						.72								REC KITCHEN COUNTER
14	20	1	A					1.5									REC DISHWASHER
16	20	1	B						.54								REC KITCHEN COUNTER
18	20	1	A					.36									REC ISLAND COUNTER
20	20	1	B						1.5								RANGE HOOD POER
22	50	2	A											4.0			RANGE #1
24			B												4.0		
26	50	2	A											4.0			RANGE #2
28			B												4.0		
30	40	2	A											3.0			OVEN #1
32			B												3.0		
34	40	2	A											3.0			OVEN #2
36			B												3.0		
38	20	1	A														LAUNDRY COUNTER
40	20	1	B														LAUNDRY COUNTER
42			A														
CONNECTED TOTAL																	
DEMAND								100%			70%			80%			
DEMAND TOTAL																	

NOTES:

PANEL "LG" — PANEL SCHEDULE GENERATOR SUBPANEL

VOLTAGE: 120/240 | PHASE: 1 | WIRE: 3 | BUS: 225A | MLO: NO | MCB: 150A2P | AIC: | CKTS: 24 | MOUNTING: SURFACE | CONNECTED KVA: | DEMAND KVA:

CKT #	BRKR. AMP	SIZE	POLE	Ø	LIGHTING A	LIGHTING B	LIGHTING C	RECEPTACLES A	RECEPTACLES B	RECEPTACLES C	POWER/HEAT A	POWER/HEAT B	POWER/HEAT C	MISC. A	MISC. B	MISC. C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A						1.5								REC GARAGE FREEZER
3	20	1	B							1.5							REC GARAGE FREEZER
5	20	1	A						1.5								REC GARAGE FREEZER
7	20	1	B							1.2							REC KIT REFRIGERATOR
9	20	2	A						1.5								REC GARAGE FREEZER
11			B							1.5							
13			A														
15			B														
17			A														
19			B														
21			A														
23			B														
25			A														
27			B														
29			A														
31			B														
33			A														
35			B														
37			A														
39			B														
41			A														
2	20	1	A						1.5								REC GARAGE FREEZER
4	20	1	B							1.5							REC GARAGE FREEZER
6	20	1	A						1.5								REC GARAGE MISC
8	20	1	B		.7												LTS GARAGE
10	20	1	A						1.5								REC GARAGE FREEZER
12	20	1	B							1.5							REC GARAGE FREEZER
14	20	2	A						1.5								REC GARAGE FREEZER
16			B							1.5							
18			A														
20			B														
22			A														
24			B														
26			A														
28			B														
30			A														
32			B														
34			A														
36			B														
38			A														
40			B														
42			A														
CONNECTED TOTAL																	
DEMAND								100%			70%			80%			
DEMAND TOTAL																	

NOTES:

PANEL "LS" — PANEL SCHEDULE SYNAGOGUE FLOOR 1

VOLTAGE: 120/240 | PHASE: 1 | WIRE: 3 | BUS: 400 | MLO: NO | MCB: 400A2P | AIC: | CKTS: 42 | MOUNTING: FLUSH | CONNECTED KVA: | DEMAND KVA:

CKT #	BRKR. AMP	SIZE	POLE	Ø	LIGHTING A	LIGHTING B	LIGHTING C	RECEPTACLES A	RECEPTACLES B	RECEPTACLES C	POWER/HEAT A	POWER/HEAT B	POWER/HEAT C	MISC. A	MISC. B	MISC. C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A	1	.0												LTS CONF & ENTRY
3	20	1	B			.75											LTS ENTRY & CORR
5	20	1	A	1	.1												LT OFFICE/STAIR/TOILET
7	20	1	B		(1.2)												LT MULTIPUR KITCHEN
9	20	1	A	1	.2												LTS COVE ASSEMBLY
11	20	1	B		1.2												LTS COVE ASSEMBLY
13	20	1	A	1	.3												LTS ASSEMBLY PENDANT
15	20	1	B		1.0												LTS SPOTS ASSEMBLY
17	20	1	A	1	.5												LTS HALL SCONCES
19	20	1	B					.9									REC VEST CONF/HALL
21	20	1	A						1.1								REC CONF STAIR EXT
23	20	1	B					.9									REC ASSEMBLY EXT
25	20	1	A						1.1								REC ASSY/MULTI/HALL
27	20	1	B					1.3									REC ASSY/MULTI/EXT
29	20	1	A					(.54)									REC MULTIPURPOSE
31	20	1	B						1.1								SPARE
33	40	2	A											3.0			OVEN
35			B												3.0		
37	20	1	A					.54									SPARE
39	100	2	B						.54								PANEL LSB
41			A					1.2									
2	60	2	A								3.0						CC-5
4			B									3.0					
6	40	2	A								1.8						CC-6
8			B									1.8					
10	40	2	A								1.8						CC-7
12			B									1.8					
14	25	2	A								1.5						AHU-6
16			B									1.5					
18	20	1	A					(.54)									SPARE
20	20	1	B														SPARE
22	20	1	A					.36									REC BAR
24	20	1	B						.36								REC TOILETS
26	20	1	A	2													EMERGENCY LGIHT
28	60	1	B					.18									EXT REC HVAC
30	20	1	A								1.5						BOILER #2
32	20	1	B											1.5			SPRINKLER COMPRESSOR
34	20	1	A								1.2						VEST HEATER
36	20	1	B									1.2					STAIR 1 HEATER
38	20	1	A														
40	100	2	B											6.0			PANEL "LSA"
42			A														
CONNECTED TOTAL																	
DEMAND								100%			70%			80%			
DEMAND TOTAL																	

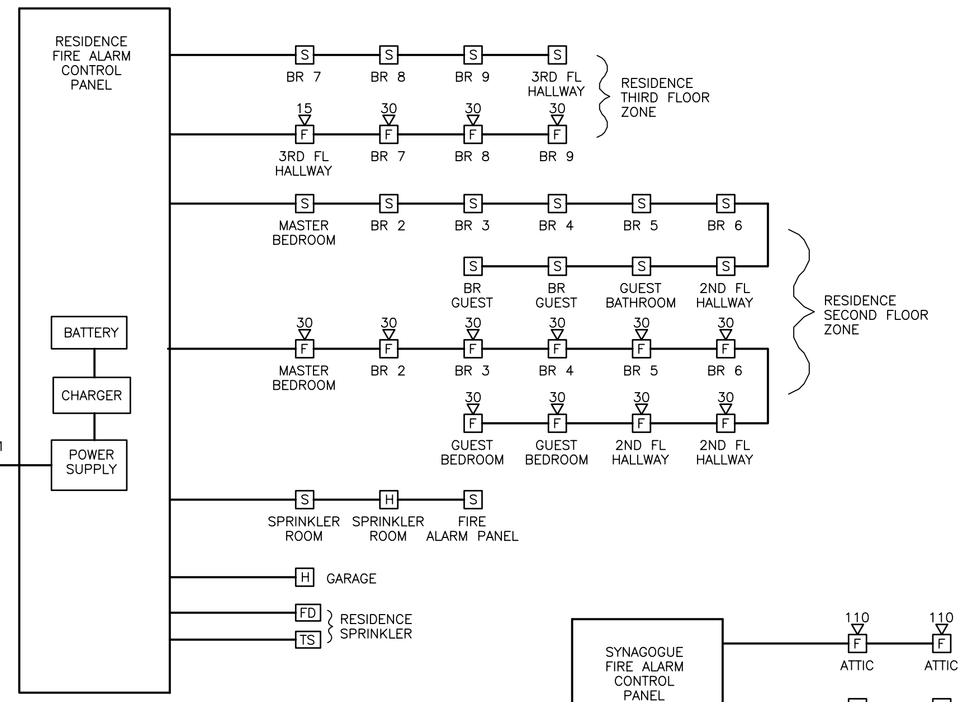
NOTES:

PANEL "LSA" — PANEL SCHEDULE SYNAGOGUE FLOOR 2

VOLTAGE: 120/240 | PHASE: 1 | WIRE: 3 | BUS: 100 | MLO: YES | MCB: NO | AIC: | CKTS: 30 | MOUNTING: FLUSH | CONNECTED KVA: | DEMAND KVA:

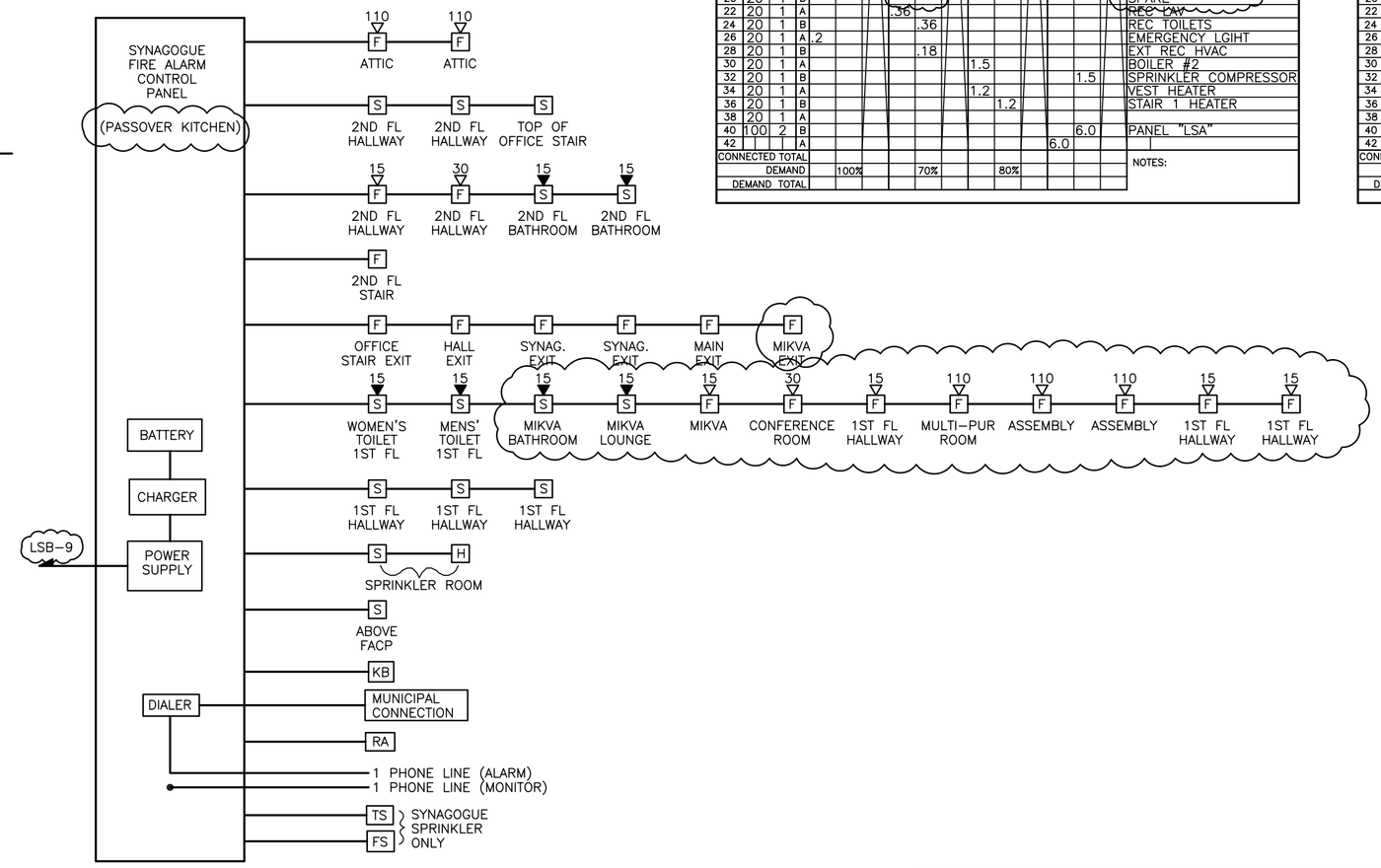
CKT #	BRKR. AMP	SIZE	POLE	Ø	LIGHTING A	LIGHTING B	LIGHTING C	RECEPTACLES A	RECEPTACLES B	RECEPTACLES C	POWER/HEAT A	POWER/HEAT B	POWER/HEAT C	MISC. A	MISC. B	MISC. C	BRANCH CIRCUIT DESCRIPTION
1	30	2	A							1.5							AHU-5
3			B							1.5							
5	20	1	A	1	.1												LTS HALL/BATH/STOR
7	20	1	B		.1												LTS STORAGE OFFICE
9	20	1	A	1	.8												LTS OFFICE 2 & 3
11	20	1	B		.1												LTS ATTIC
13	20	1	A					.18									REC ATTIC
15			B														
17			A														
19			B														
21			A														
23			B														
25			A														
27			B														
29			A														
31			B														
33			A														
35			B														
37			A														
39			B														
41			A														
2	20	1	A					.9									REC STORAGE OFFICE
4	20	1	B						.72								REC OFFICE
6	20	1	A					.9									REC OFFICE
8	20	1	B						.9								REC OFFICE
10	20	1	A					.36									REC BATH
12	20	1	B						1.1								REC OFFICE/STOR/BATH
14	20	1	A					.54									REC OFFICE/STOR/STAIR
16	20	1	B						.36								TELEPHONE
18			A														
20			B														
22			A														
24			B														
26			A														
28			B														
30			A														
32			B														
34			A														
36			B														
38			A														
40			B														
42			A														
CONNECTED TOTAL																	
DEMAND								100%			70%			80%			
DEMAND TOTAL																	

NOTES:



RESIDENTIAL FIRE ALARM RISER DIAGRAM

NOT TO SCALE



SYNAGOGUE FIRE ALARM RISER DIAGRAM

NOT TO SCALE

PROGRESS SET ONLY
FOR REVIEW BY AUTHORITIES
HAVING JURISDICTION

CHABAD LUBAVITCH OF MAINE, INC.
101 CRAIGIE STREET
PORTLAND, ME 04102

ROOF PLAN AND DETAILS

REVISION	
DATE:	DESCRIPTION
7-12-07	ADDED MIKVA BATH POWER CIRCUITS AND MODIFIED FIRE ALARM SYSTEM.

CHABAD LUBAVITCH OF MAINE
STATE OF MAINE — RALPH F. SWEET No. 2900 — REGISTERED PROFESSIONAL ENGINEER — LICENSED
7-28-07
ELECTRICAL CONSTRUCTION DOCUMENTS

ELECTRICAL DESIGN CONSULTANTS

DESIGNED BY: RFS	FILENAME: CHA-POWER
DRAWN BY: BMC	REVISION DATE:
DATE: 6-28-07	SCALE: 1/4"=1'-0"

E-7

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