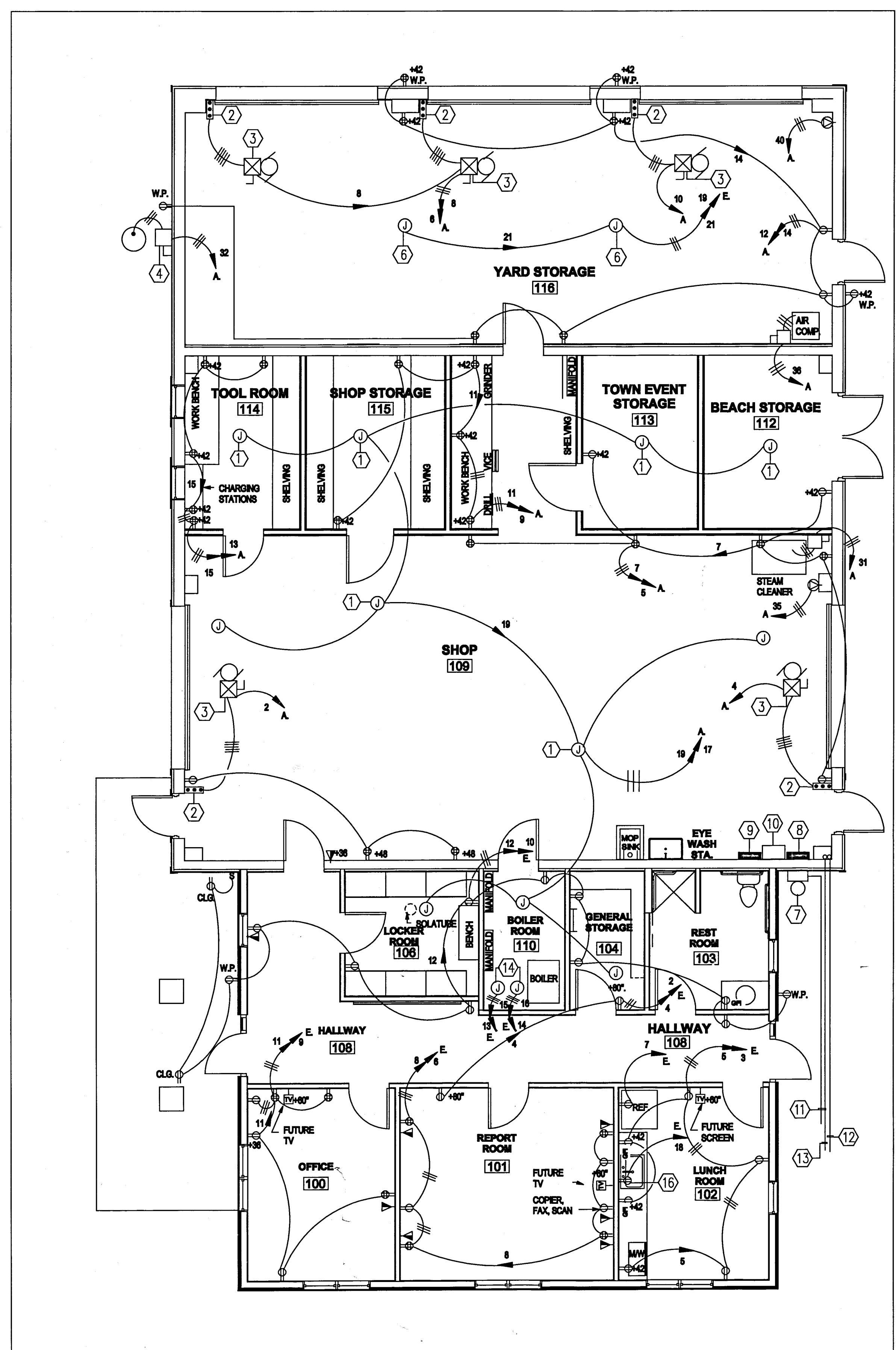


KEY NOTES

- ① JUNCTION BOX FOR CONNECTION TO EXHAUST FAN AND CEILING FAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- ② OPEN-STOP-CLOSE PUSH BUTTON STATION FOR CONTROL OF OVERHEAD DOOR. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- ③ COMBINATION DISCONNECT SWITCH/STARTER PROVIDED BY DOOR SUPPLIER.
- ④ 30A-2P-250V SWITCH WITH 30A DUAL ELEMENT FUSES IN WEATHERPROOF ENCLOSURE.
- ⑤ 30A-2P-250V SWITCH WITH 30A DUAL ELEMENT FUSES.
- ⑥ JUNCTION BOX FOR CONNECTION TO OVERHEAD REEL. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- ⑦ METER BOX AND METER
- ⑧ PANEL "A"
- ⑨ PANEL "E"
- ⑩ 100A-2P-250V TRANSFER SWITCH IN NEMA I ENCLOSURE.
- ⑪ 2-4" SCHEDULE 40 PVC CONDUITS ENCASED IN CONCRETE TERMINATE AS DIRECTED BY B.G. & E. COMPANY.
- ⑫ 1-4" SCHEDULE 40 PVC CONDUITS FOR VERIZON SERVICE TERMINATE AS DIRECTED BY VERIZON.
- ⑬ 1-4" SCHEDULE 40 PVC CONDUITS FOR COMCAST SERVICE TERMINATE AS DIRECTED BY COMCAST.
- ⑭ JUNCTION BOX FOR CONNECTION TO BOILER CIRCUITS. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- ⑮ 30A-2P-250V SWITCH WITH 20A DUAL ELEMENT FUSES. LOCATE IN LOFT SPACE FOR FURNACE.
- ⑯ LOCATED UNDER SINK FOR INSTA HOT.



PANELBOARD NAME		[X] NEW [] EXIST.		LOCATION: SHOP		MISC:				
VOLTAGE, PHASE, WIRE: 240/120V, 1ø, 3W + GND.		MOUNTING: SURFACE		MAINS: 225 AMP		A.I.C. RATING: 65,000				
BRANCH CIRCUIT ITEM	WIRE AND CONDUIT SIZE # G C	C/B SIZE (A/P)	LOAD (KVA)	O.C.T. NO.	P H A S E	O.C.T. NO.	LOAD (KVA)	C/B SIZE (A/P)	WIRE AND CONDUIT SIZE # G C	BRANCH CIRCUIT ITEM
LIGHTING	12 12 3/4	20/1	1.5	1	A	2	1.0	20/1	12 12 3/4	RECEPTACLE
RECEPTACLE	.9	3	B	4	1.0					
MICROWAVE			1.0	5	A	6	1.0			
REFRIG.			.5	7	B	8	.9			
RECEPTACLE	.90	9	A	10	1.2					
RECEPTACLE	.72	11	B	12	1.0					
BOILER ROOM CKTS.			1.0	13	A	14	1.0			BOILER ROOM CKTS
BOILER ROOM CKTS.			1.0	15	B	16	1.0			BOILER ROOM CKTS
FURNACE			1.0	17	A	18	.72			UNDER COUNTER HEATER
OVERHEAD REEL	.5	19	B	20	-					SPARE
OVERHEAD REEL	.5	21	A	22						
SPARE				23	B	24				
				25	A	26				
				27	B	28				
				29	A	30				
				31	B	32				
				33	A	34				
				35	B	36				
				37	A	38				
				39	B	40				
				41	A	42				

PANELBOARD LOAD SUMMARY			
DESCRIPTION	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING	1.5	1.25	1.8
RECEPTACLES	10.82	1.0	10.82
HVAC EQUIP.	5.0	1.0	5.0
TOTALS			17.62
			17.62/240=73.4 AMPS

① FLOOR PLAN-POWER
 3/16" = 1'-0"

Handwritten notes:
 2.10
 2.13
 2.44
 4.13
 7.25

10 JUNE 2011 OWNER BIDDING
 Date: Issued:
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Sheet Title
FLOOR PLAN-POWER

Architect
 Sheet No.
E-103
 Date
JUNE 10 2011
 Proj. No.
188-C-11-03