

PROJECT TITLE: <b>POWER FLOOR PLAN AND SCHEDULE</b>	
DATE: 7-27-04	SCALE: 1/4" = 1'-0"
PROJECT MANAGER: C.F.G.	
JOB CAP/DRAWN: S.O.L./J.M.	
A/E OF RECORD: C.F.G.	SHEET NO. <b>EP101</b>
SMART CAD FILE: EP101-03122	
PROJECT NO. 03122	

**ISSUED FOR CONSTRUCTION 7-27-04**

CURRENT ISSUE STATUS:

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	7-27-04

PROJECT:  
**MAINE MEDICAL CENTER  
O.R. RENOVATION**

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**SMART**  
ARCHITECTURE ENGINEERING PLANNING

PROJECT NORTH

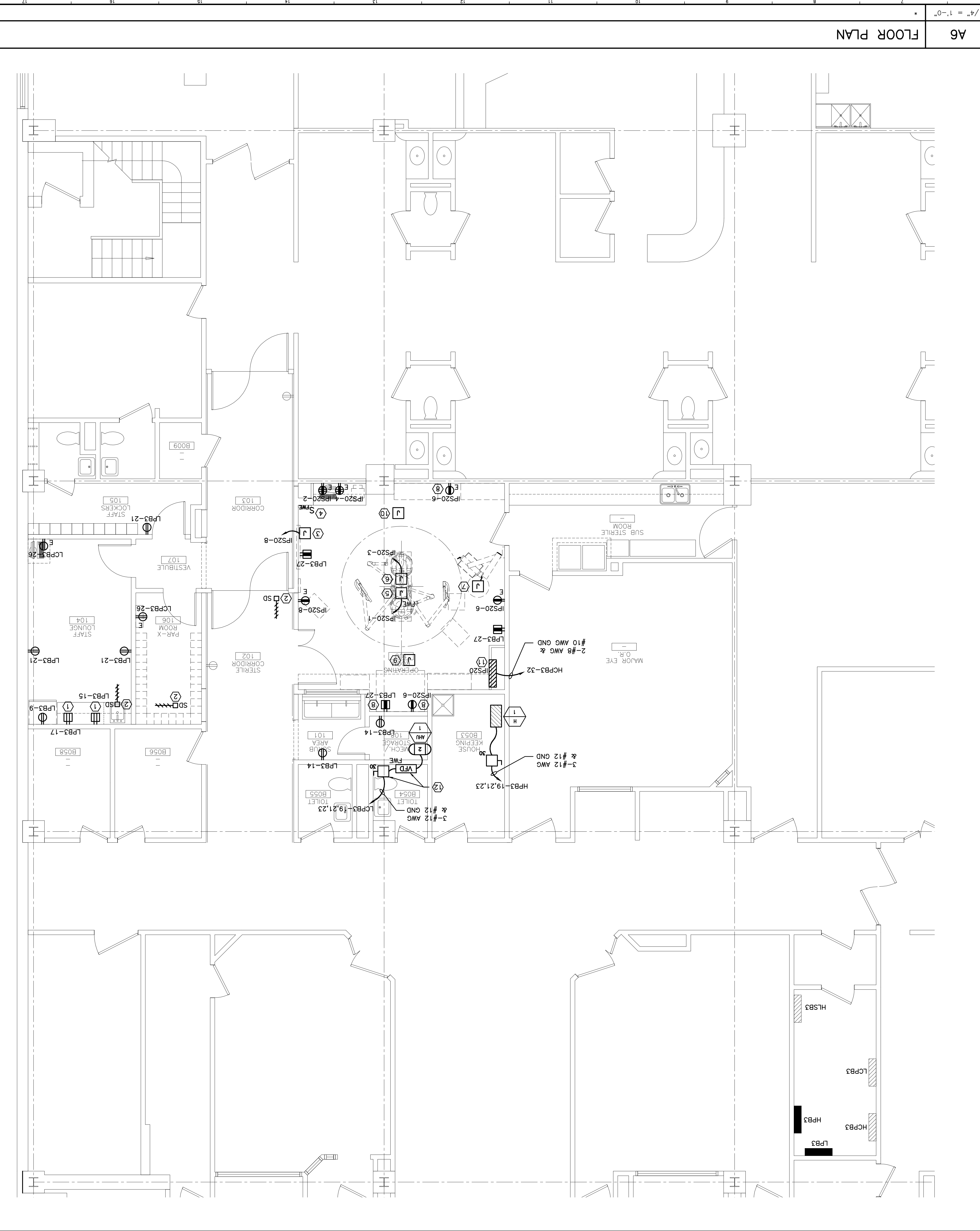
- KEYED NOTES:**
- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
  - AN ATTEMPT HAS BEEN MADE TO UTILIZE SPARE CAPACITY ON EXISTING CIRCUITS AS WELL AS SPARE CIRCUITS IN EXISTING PANELS. CONTRACTOR SHALL VERIFY ALL CIRCUITS PRIOR TO CONNECTION AND NOTIFY ENGINEER OF ANY CHANGES.
  - CONTRACTOR SHALL INSTALL 20 AMP SINGLE POLE BREAKER IN PANEL LPB3 CIRCUIT #9 & #27. USE OF TYPE THQB CIRCUIT BREAKER.
  - CONTRACTOR SHALL REMOVE 50 AMP 2 POLE BREAKER IN PANEL LCPB3 CIRCUITS #12, 23 AND SHALL INSTALL A 20 AMP 3 POLE BREAKER IN CIRCUITS #19, 21, 23.
  - CONTRACTOR SHALL REMOVE 20 AMP SINGLE POLE BREAKERS IN PANEL HPB3 CIRCUITS #21, 22 AND SHALL INSTALL 15 AMP, 3 POLE, BREAKER IN CIRCUITS #19, 21, 23.
  - CONTRACTOR TO REMOVE 30 AMP SINGLE POLE BREAKER IN PANEL HPB3 CIRCUIT #32 AND REPLACE IT WITH A 35 AMP SINGLE POLE BREAKER.
- KEYED NOTES:**
- 6' ABOVE COUNTER
  - RECONNECT TO EXISTING 120V SMOKE DAMPER CIRCUIT.
  - PROVIDE JUNCTION BOX FOR CONNECTION TO X-RAY VIEW BOX. COORDINATE EXACT LOCATION WITH ARCHITECTURAL.
  - CONTRACTOR TO MOUNT FACTORY SUPPLIED WALL CONTROLS FOR SURGICAL LIGHTS. TERMINATE ALL WIRING. COORDINATE WITH ARCHITECTURAL FOR EXACT MOUNTING LOCATION.
  - CONTRACTOR TO MOUNT VENDOR SUPPLIED JUNCTION BOX TO MOUNTING PLATE OF EQUIPMENT ROOM. EQUIPMENT ROOM SHALL HAVE 8 DUPLEX RECEPTACLES FURNISHED BY VENDOR. GROUP 1 (2 DUPLEX TOTAL) SHALL BE CIRCUIT IPS20-5, GROUP 2 (3 DUPLEX TOTAL) SHALL BE CIRCUIT IPS20-7, AND GROUP 3 (3 DUPLEX TOTAL) SHALL BE CIRCUIT IPS20-9. PROVIDE 2-#12 AWG AND 1-#10 AWG GND PER CIRCUIT AND INSTALL IN 1-3/4" CONDUIT.
  - MOUNT JUNCTION BOX ABOVE CEILING FOR CONNECTION TO VENDOR SUPPLIED RECEPTELES FOR FLAT PANEL MONITORS. WIRING TO BE 2-#12 AWG AND 1-#10 AWG GND.
  - CONTRACTOR TO MOUNT VENDOR SUPPLIED JUNCTION BOX TO MOUNTING PLATE OF EQUIPMENT ROOM. EQUIPMENT ROOM SHALL HAVE 8 DUPLEX RECEPTACLES FURNISHED BY VENDOR. GROUP 1 (2 DUPLEX TOTAL) SHALL BE CIRCUIT IPS20-5, GROUP 2 (3 DUPLEX TOTAL) SHALL BE CIRCUIT IPS20-7, AND GROUP 3 (3 DUPLEX TOTAL) SHALL BE CIRCUIT IPS20-9. PROVIDE 2-#12 AWG AND 1-#10 AWG GND PER CIRCUIT AND INSTALL IN 1-3/4" CONDUIT.
  - MOUNT JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SERVICE COLUMN. SERVICE COLUMN TO HAVE 4 RECEPTACLES FURNISHED BY VENDOR. WIRE TO CIRCUITS IPS20-10 & IPS20-12. 2 RECEPTACLES PER CIRCUIT.
  - MOUNT JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SERVICE COLUMN. SERVICE COLUMN TO HAVE 4 RECEPTACLES FURNISHED BY VENDOR. WIRE TO CIRCUITS IPS20-14 & IPS20-16. 2 RECEPTACLES PER CIRCUIT.
  - MOUNT 50 TOP OF PANEL IS 6'-0" AFF.

**NOTES:**

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
2. AN ATTEMPT HAS BEEN MADE TO UTILIZE SPARE CAPACITY ON EXISTING CIRCUITS AS WELL AS SPARE CIRCUITS IN EXISTING PANELS. CONTRACTOR SHALL VERIFY ALL CIRCUITS PRIOR TO CONNECTION AND NOTIFY ENGINEER OF ANY CHANGES.
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4. CONTRACTOR SHALL REMOVE 50 AMP 2 POLE BREAKER IN PANEL LCPB3 CIRCUITS #12, 23 AND SHALL INSTALL A 20 AMP 3 POLE BREAKER IN CIRCUITS #19, 21, 23.
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6. CONTRACTOR TO REMOVE 30 AMP SINGLE POLE BREAKER IN PANEL HPB3 CIRCUIT #32 AND REPLACE IT WITH A 35 AMP SINGLE POLE BREAKER.

**KEYED NOTES:**

- 6' ABOVE COUNTER
- RECONNECT TO EXISTING 120V SMOKE DAMPER CIRCUIT.
- PROVIDE JUNCTION BOX FOR CONNECTION TO X-RAY VIEW BOX. COORDINATE EXACT LOCATION WITH ARCHITECTURAL.
- CONTRACTOR TO MOUNT FACTORY SUPPLIED WALL CONTROLS FOR SURGICAL LIGHTS. TERMINATE ALL WIRING. COORDINATE WITH ARCHITECTURAL FOR EXACT MOUNTING LOCATION.
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- MOUNT 50 TOP OF PANEL IS 6'-0" AFF.



**A6 FLOOR PLAN**

1/4" = 1'-0"

**M1 PANEL SCHEDULE**

LOCATION	WIRE	100 AMP BUS	TOTAL KVA A	35 AMP TRIP	TOTAL KVA B	LOCATION
ROOM 100 OR	GROUND BUS	3.0	3.0	3.0	6.0	ROOM 100 OR
	SUB-TOTAL	1.8	1.8	1.8	3.0	
NEUTRAL BUS		1.8	1.8	1.8	3.0	ROOM 100 OR
		1.8	1.8	1.8	3.0	
SUB-TOTAL		1.8	1.8	1.8	3.0	

LOCATION	WIRE	100 AMP BUS	TOTAL KVA A	35 AMP TRIP	TOTAL KVA B	LOCATION
ROOM 100 OR	GROUND BUS	3.0	3.0	3.0	6.0	ROOM 100 OR
	SUB-TOTAL	1.8	1.8	1.8	3.0	
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LOCATION	WIRE	100 AMP BUS	TOTAL KVA A	35 AMP TRIP	TOTAL KVA B	LOCATION
ROOM 100 OR	GROUND BUS	3.0	3.0	3.0	6.0	ROOM 100 OR
	SUB-TOTAL	1.8	1.8	1.8	3.0	
NEUTRAL BUS		1.8	1.8	1.8	3.0	ROOM 100 OR
		1.8	1.8	1.8	3.0	
SUB-TOTAL		1.8	1.8	1.8	3.0	

NOTES: UNGROUND 7.5KVA SYSTEM  
SC RATING: 10,000  
MOUNTING: RECESSED  
PRIMARY BREAKER  
IPS20