



POWER AND SYSTEMS PLAN
Scale: 1/8" = 1'-0"

- GENERAL NOTES**
1. PROVIDE SPECIFICATION GRADE, 20A, IVORY RECEPTACLES, SWITCHES, TEL/DATA OUTLETS AND PLATES. PROVIDE 20A, IVORY, HOSPITAL GRADE RECEPTACLES FOR EXAM ROOMS AND TREATMENT ROOMS.
 2. COORDINATE ALL WORK WITH OTHER TRADES.
 3. PROVIDE 4" SQUARE JUNCTION BOXES, SINGLE GANG MUD RING AND CONDUIT WITH PULL STRING UP WALL TO ACCESSIBLE CEILING SPACE FOR ALL TEL/DATA LOCATIONS SHOWN.
 4. COORDINATE WITH MERCY HOSPITAL FOR PREFERRED VENDORS.
 -"PROTECTION ONE" FOR SECURITY AND FIRE ALARM VENDOR.
 -"MAIN LINK" FOR CABLE VENDOR.
 -"ADVANCE TECHNOLOGY" FOR CARD SWIPE PROXY VENDOR.
 5. FOR TEL/DATA BACKBOX INSTALLATIONS SEE DETAIL A2 ON DRAWING E00.1.

- NEW WORK KEY NOTES**
- ① PROVIDE FLUSH JUNCTION BOX FOR POWER TO SYSTEMS FURNITURE. COORDINATE FINAL HEIGHT AND INSTALLATION WITH FURNITURE REQUIREMENTS.
 - ② PROVIDE FLUSH JUNCTION BOX FOR TEL/DATA TO SYSTEMS FURNITURE. COORDINATE FINAL HEIGHT AND INSTALLATION WITH FURNITURE REQUIREMENTS.
 - ③ NOT USED.
 - ④ NOT USED.
 - ⑤ CONNECT RECEPTACLES TO LOAD SIDE OF GFI RECEPTACLE. TYPICAL FOR ALL RECEPTACLES IN ROOM.
 - ⑥ PROVIDE (1) 1" CONDUIT UNDER SLAB AND UP WALL FOR FLOOR BOXES. PROVIDE (1) DOUBLE DUPLEX (QUAD) RECEPTACLE FLOOR BOX, WIREMOLD TYPE 8868 WITH 895 COVER FOR RUBBER OR CARPETED FLOOR. TYPICAL FOR THREE. COORDINATE FINAL LOCATION WITH ARCHITECT.
 - ⑦ PROVIDE REQUIRED BONDING (#8AWG MINIMUM) FOR THERAPY POOL, INCLUDING BUT NOT LIMITED TO ALL OF THE CONCRETE REINFORCING STEEL AND METALLIC STRUCTURAL COMPONENTS, UNDERWATER LIGHTING, METAL FITTINGS, ELECTRICAL EQUIPMENT, METALLIC CONDUIT, METAL-SHEATHED CABLE, METAL PIPING AND ALL FIXED METAL PARTS OF POOL. LOCATE DISCONNECT AS REQUIRED IN POOL EQUIPMENT ROOM.
 - ⑧ PROVIDE (1) 1" CONDUIT UNDER SLAB AND UP WALL FOR FLOOR BOX AND PROVIDE (1) DOUBLE DUPLEX (QUAD) RECEPTACLE FLOOR BOX, WIREMOLD TYPE 8868 WITH 895 COVER FOR RUBBER OR CARPETED FLOOR. PROVIDE (1) 1" CONDUIT UNDER SLAB AND UP WALL FOR FLOOR BOXES AND PROVIDE (1) TELEPHONE AND (2) DATA JACKS, WIREMOLD TYPE 8868 WITH 895 COVER FOR RUBBER OR CARPETED FLOOR.
 - ⑨ MOUNT TEL/DATA JACKS AT 44", (ABOVE DESK TOP).
 - ⑩ EXHAUST FANS LOCATED ON ROOF. PROVIDE WEATHER PROOF BOXES AND MOUNT 24" ABOVE FINISHED ROOF. SEE MECHANICAL DRAWING FOR EXACT LOCATION. COORDINATE CONTROL WIRING AND INSTALLATION WITH OTHER TRADES.
 - ⑪ AIR HANDLING UNITS AND CONDENSER UNIT WITH ASSOCIATED EQUIPMENT LOCATED ON ROOF. SEE MECHANICAL DRAWING FOR EXACT LOCATION. COORDINATE INSTALLATION WITH OTHER TRADES.
 - ⑫ PROVIDE RECEPTACLE FOR ROOF TOP EQUIPMENT. PROVIDE HEAVY-DUTY IN-USE WEATHERPROOF COVER. MOUNT AT 24" ABOVE FINISHED ROOF, INDEPENDENTLY OF CONDUIT ON "UNSTRUCT" OR EQUAL.
 - ⑬ PROVIDE 4x8x3/4" SANDED PLYWOOD, PAINT FLAME RETARDANT OFF-WHITE, MOUNT HORIZONTAL AT 36" AFF TO BOTTOM, 72" AFF TO TOP. SEE DETAIL A1 ON DRAWING E00.1.
 - ⑭ PROVIDE 19" WALL MOUNTED RACK, 48 PORT PATCH PANELS AND WIRE MANAGEMENT RACKS. COORDINATE WITH MERCY HOSPITAL IT DEPARTMENT FOR HOSPITAL REQUIREMENTS/STANDARDS.
 - ⑮ CORRIDOR NURSE CALL ZONE LIGHT FOR CALL STATIONS IN POOL AND GYM AREA. INTERCONNECT WITH NURSE CALL ANNUNCIATOR PANEL IN RECEPTION AREA.
 - ⑯ CONTRACTOR SHALL CONNECT ALL FLOW AND TAMPER SWITCHES TO FIRE ALARM SYSTEM. COORDINATE WIRING AND INSTALLATION WITH SPRINKLER CONTRACTOR. SEE DETAIL A3 ON DRAWING E00.1.
 - ⑰ PROVIDE 12" THARGER" GROUND BAR. MOUNT AT 48" AFF BOND TO MAIN SERVICE GROUND AND DATA RACK WITH A #4 AWG COPPER. SEE DETAIL A1 ON DRAWING E00.1.
 - ⑱ COORDINATE RECEPTACLE, DATA AND TELEPHONE NEEDS IN CORRIDOR ALCOVES WITH MERCY INFORMATION TECHNOLOGY DEPARTMENT.
 - ⑲ COORDINATE WIRELESS DATA QUANTITY AND LOCATIONS WITH MERCY INFORMATION TECHNOLOGY DEPARTMENT. PROVIDE JUNCTION BOXES AND POWER WERE REQUIRED.
 - ⑳ DISCONNECTS FOR POOL AND HEATERS ARE ESTIMATED LOADS. ACTUAL SIZE TBD.
 - ㉑ CONNECT ALL EXIT SIGNS TO THIS CIRCUIT. SEE FIXTURE SCHEDULE ON LIGHTING DRAWING E10.1.

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Project Title

**MERCY HEALTH CENTER
WESTGATE PLAZA**

PORTLAND, MAINE

HA Project No. **07182**

Key Plan

Mark	Date	Description
07/08/08		ADDENDUM #1
07/01/08		ISSUED FOR PERMIT
06/26/08		100% REVIEW SET
-	6/17/08	50% REVIEW SET
Issue Dates		

Drawing Status

Drawing Title

**ELECTRICAL
POWER AND SYSTEMS
FIRST FLOOR PLAN**

PA / PE: WRH Drawn By: RJB

Drawing Number

E20.1