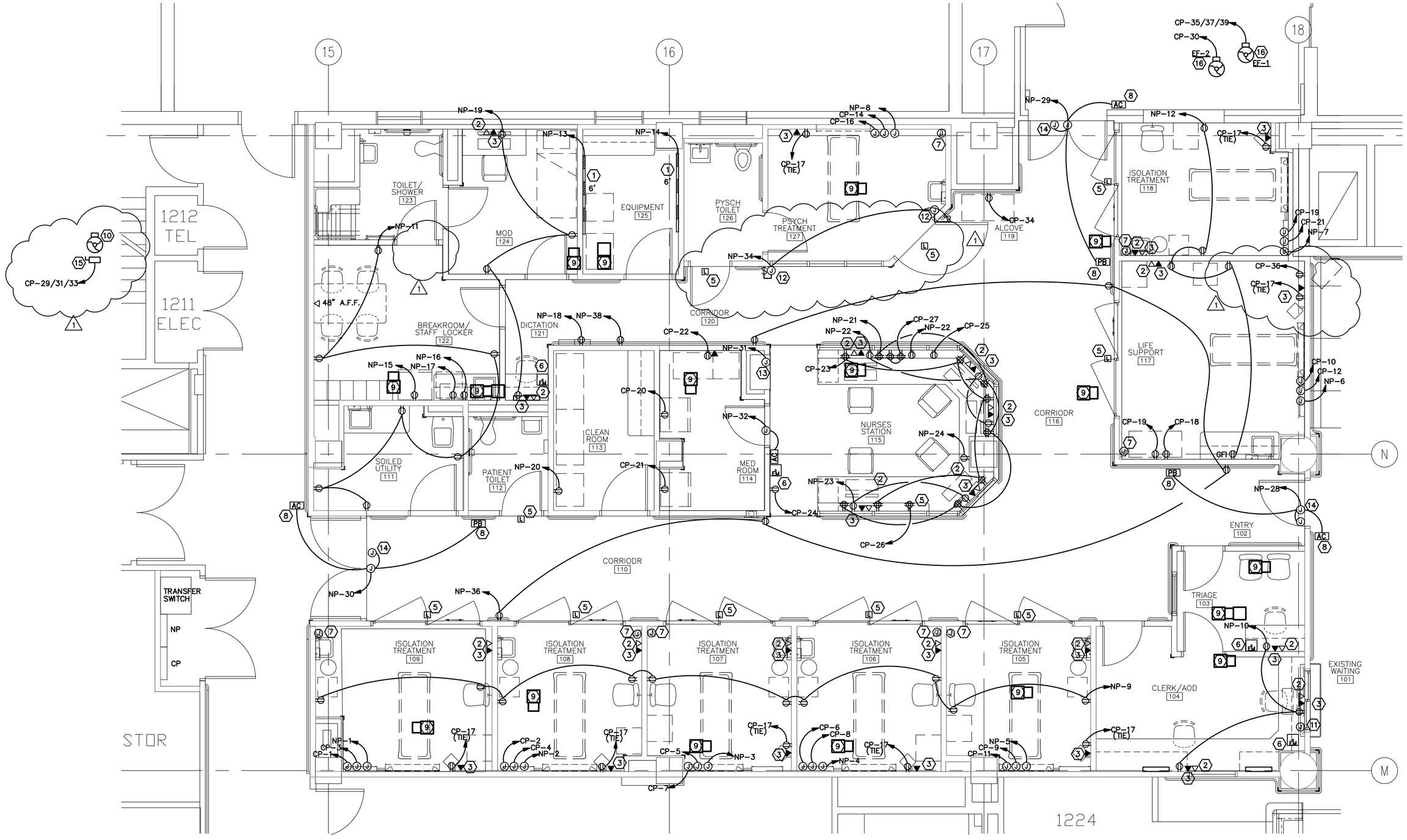

POWER & SIGNAL PLAN
1/4"=1'-0"

ELECTRICAL SYMBOLS

ALL SYMBOLS DO NOT NECESSARILY APPLY — MOUNTING HGT. TO CENTERLINE UNLESS OTHERWISE NOTED

SYMBOL	DESCRIPTION	
J	WIRED JUNCTION BOX	SEE DRAWINGS
	DUPLEX RECEPTACLE, 3 WIRE GRD. TYPE, 20A	18"
WP	DUPLEX RECEPTACLE, WEATHERPROOF,20A	18"
GFI	GROUND FAULT PROTECTED DUPLEX RECEPTACLE, 20A	18"
	QUADRAPLEX WALL RECEPTACLE, 20A	18"
	PUSHBUTTON STATION	48"
	LOW VOLTAGE BUZZER TRANSFORMER	AS REQUIRED
	DOOR BUZZER	54"
D	DIMMER SWITCH	
3 4	TOGGLE SWITCH – SINGLE, 3-WAY & 4-WAY	48"
	MANUAL MOTOR STARTING SWITCH W/ PILOT LIGHT	48"
	TELEPHONE OUTLET	18"
2	TELEPHONE OUTLET – DUPLEX	18"
	DATA OUTLET – CATEGORY 5	18"
2	DATA OUTLET – DUPLEX CATEGORY 5	18"
J	SAFETY SWITCH	AS REQUIRED
	MAGNETIC MOTOR STARTER	AS REQUIRED
J	COMBINATION STARTER/SAFETY SWITCH	AS REQUIRED
	MOTOR OUTLET – 1 PHASE	AS REQUIRED
	MOTOR OUTLET – 3 PHASE	AS REQUIRED
F	FIRE ALARM BREAK STATION	48"
F	FIRE ALARM AUDIO/VISUAL SIGNAL DEVICE	80"
S	DUCT MTD. SYSTEM SMOKE DETECTOR W/ REMOTE INDICATORS	AS REQUIRED
H	SYSTEM HEAT DETECTOR (FIXED TEMP.)	CEILING MTD.
F	FIRE ALARM WATER FLOW SWITCH	AS REQUIRED
T	FIRE ALARM TAMPER SWITCH	AS REQUIRED
S	SYSTEM SMOKE DETECTOR	CEILING MTD.
S	RECESSED CEILING SPEAKER (PAGING/MUSIC/SECURITY)	

NOTE: IN HANDICAPPED AREAS, THE RECEPTACLES AND TELEPHONE OUTLETS SHALL BE MOUNTED AT 24" A.F.F.; THE TOGGLE SWITCHES, THERMOSTATS AND MANUAL MOTOR STARTERS SHALL BE MOUNTED AT 42" A.F.F.

CODED NOTES

1. E.C. TO INSTALL PLUG MOLD EQUAL TO WIREMOLD G20GB612. RECEPTACLES TO BE 12 INCHES ON CENTER.
2. TELEPHONE OUTLET. PROVIDE JUNCTION BOX WITH PLASTER RING. RUN A 3/4" EMPTY CONDUIT WITH PULL WIRE TO PHONE BOARD IN TELE CLOSET RM 1212. MOUNT OUTLETS AS DIRECTED BY THE OWNER.
3. DATA OUTLET. PROVIDE JUNCTION BOX WITH PLASTER RING. RUN A 1" EMPTY CONDUIT WITH PULL WIRE TO PHONE BOARD IN TELE CLOSET RM 1212. MOUNT OUTLETS AS DIRECTED BY THE OWNER.
4. PUSH BUTTON FOR POLICE CALL STATION. RUN EMPTY 3/4" CONDUIT FROM PUSH BUTTON TO PHONE BOARD. WIRING AND FINAL CONNECTIONS BY VA CLINIC.
5. PROVIDE WALL LIGHT, ENUNCIATOR, PULL-CORDS, AND ALL WIRING AS REQUIRED TO COMPLETE "NURSE CALL SYSTEM" WITH THE PUSH BUTTON TO BE INSTALLED IN THE PBPU (HEADWALL). VERIFY ACTUAL LOCATION OF ALL DEVICES WITH CONSTRUCTION SUPERINTENDENT PRIOR TO INSTALLATION. SEE SPECIFICATION SECTION 27 52 23 NURSE CALL/ CODE BLUE SYSTEMS FOR ADDITIONAL INFORMATION.
6. POLICE CALL/ PANIC BUTTON. INSTALL PER SPECIFICATIONS.
7. J-BOX FOR PATIENT CAMERAS. RUN 3/4" CONDUIT AND CABLE BACK TO MONITORING SYSTEM LOCATED AT THE NURSES STATION. FIELD VERIFY EXACT LOACTIONS AND REQUIREMENTS WITH COTR PRIOR TO START OF WORK.
8. ACCESS CONTROL/PUSH BUTTON FOR POWER DOOR. FIELD VERIFY EXACT REQUIREMENTS.
9. VAV BOX. RUN WIRING FOR CONTROLS AND CONNECT TO CIRCUIT CP-28. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. FIELD COORDINATE EXACT REQUIREMENTS WITH THE MECHANICAL CONTRACTOR.
10. NEW AHU-1 LOCATED IN THE MECHANICAL ROOM ON THE SECOND FLOOR. EXISTING CONDUIT, WIRE AND MOTOR STARTER TO BE REUSED. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS WITH THE MECHANICAL CONTRACTOR.
11. JUNCTION BOX TO CONNECT ROLLING COUNTER SHUTTER TO EXISTING FIRE ALARM SYSTEM. FIELD COORDINATE EXACT REQUIREMENTS.
12. SWITCH AND J-BOX FOR LC GLASS FIELD COORDINATE EXACT REQUIREMENTS WITH G.C. PRIOR TO ROUGH-IN.
13. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID THE WIRING OF THE PNEUMATIC TUBE SYSTEM. THAT SHALL INCLUDE, BUT NOT BE LIMITED TO, RUNNING POWER FEEDS TO THE BLOWER PACKAGES, CONTROL BOX AND AUDIO SWITCHER BOX AND RUNNING AND TERMINATING ALL COMMUNICATION CABLING. VERIFY ALL REQUIREMETNS WITH THE EQUIPMENT MANUFACTURER AND G.C. PRIOR TO COMMENCING WORK.
14. WANDERING MANAGEMENT SYSTEM. TO BE INTEGRATED WITH DOOR CONTROLS. SEE SPECIFICATIONS FOR MORE DETAILS. FIELD COORDINATE EXACT REQUIREMENTS WITH THE COTR PRIOR TO ROUGH-IN.
15. NEW ELECTRIC HEATING COIL FOR NEW AHU-1 LOCATED IN THE MECHANICAL ROOM ON THE SECOND FLOOR. PROVIDE AND INSTALL NEW 400 AMP NON-FUSED DISCONNECT. RUN (3) #350 MCM WITH (1)#4 GROUND IN 3" CONDUIT TO PANEL 'CP'. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS WITH THE MECHANICAL CONTRACTOR.
16. PROVIDE EXHAUST FAN WITH COMBINATION STARTER/DISCONNECT. FIELD VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.

1 DEMOLITION NOTES:
FOR ALL LIGHTS, RECEPTACLES, DATA AND PHONE OUTLETS THAT ARE NOT TO BE REUSED REMOVE ALL CONDUIT AN WIRE BACK TO SOURCE. SEE ARCHITECTURAL DEMOLITION PLAN FOR AFFECTED AREAS AND ADDITIONAL NOTES.

EXISTING CONDITION NOTES

THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED TO OUR OFFICE AT THE TIME OF DESIGN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO, SERVICE LOCATION, SERVICE LAYOUTS, SECONDARY FEEDER LENGTH, TELEPHONE SERVICE LOCATION, ETC... AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO BID. FAILURE TO DO SO MAY CONSTITUTE THAT THE CONTRACTOR PROVIDE ANY AND ALL ADDITIONAL EQUIPMENT, LABOR, ETC... TO MEET THE INTENDED DESIGN PARAMETERS.

VERIFY ALL CONDITIONS IN FIELD

GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS

REVISION 1	5/21/09
Revisions:	Date

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FULLY SPRINKLERED

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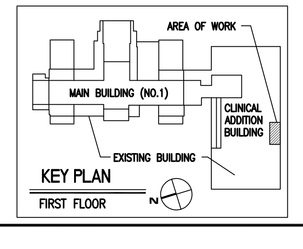

Drawing Title	Project Title	Project Number	
POWER PLAN	EMERGENCY ROOM RENOVATION	540-07-115	Office of Facilities Management
Approved Project Director	Location: VAMC - CLARKSBURG, WV	Building Number: ONE	
	Date: 6/20/2008 · Checked: DR · Drawn: AW	Drawing Number: E1 · Dwg. of --	Department of Veterans Affairs