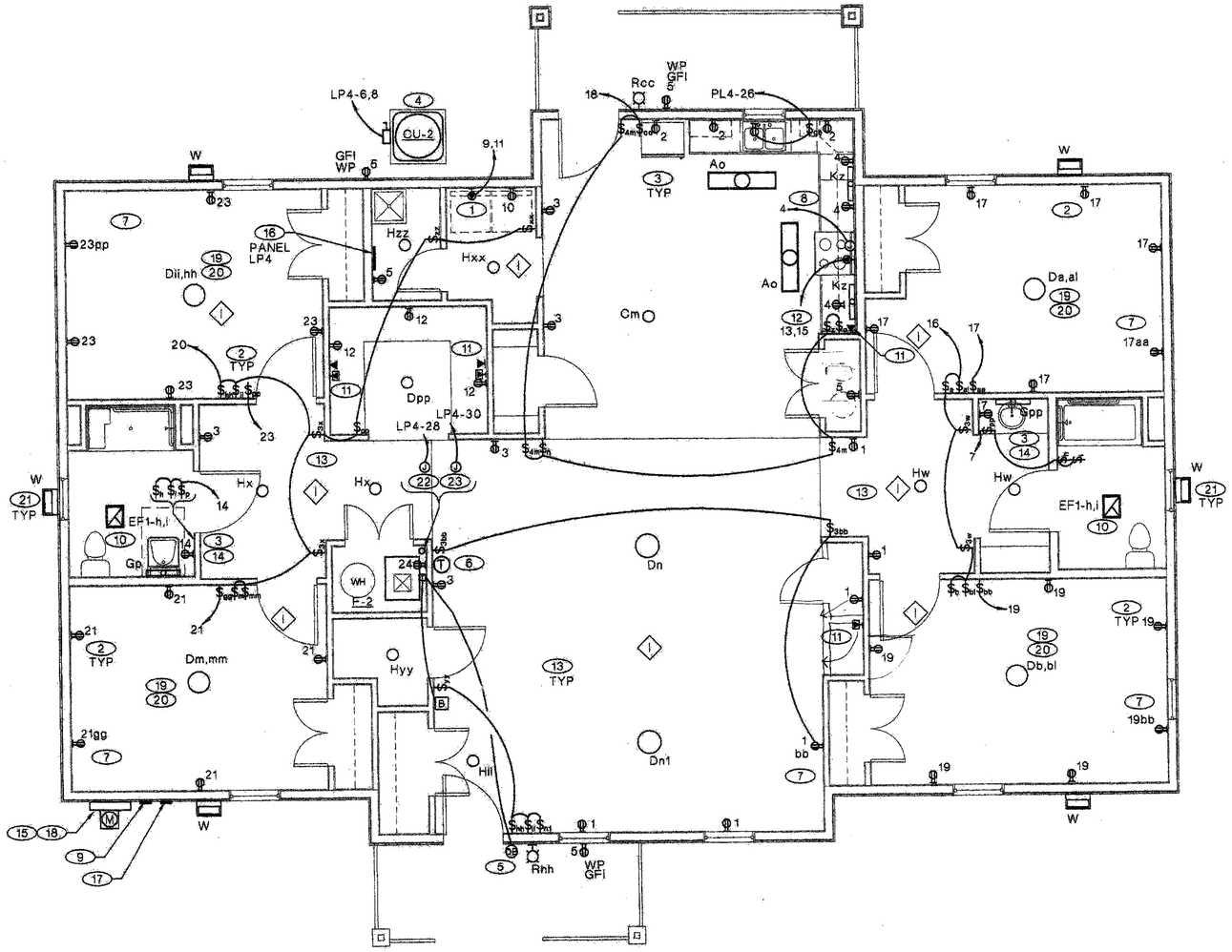

POWER AND LIGHTING PLAN

SCALE: 1/4" = 1'- 0"

Keyed Notes

1. 30 AMP, 240 VOLT DRYER RECEPTACLE. SEE SCHEDULE.
2. ALL BEDROOM RECEPTACLES TO BE AFCI PROTECTED PER 2008 NEC ARTICLE 210-12.
3. LOCATE RECEPTACLE 6 INCHES ABOVE COUNTER TOPS, GFI TYPICAL.
4. PROVIDE 240V, 45A SINGLE POLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE FOR AIR COOLED CONDENSING UNIT.
5. DOOR PUSH BUTTON, BELL & TRANSFORMER. MOUNT PUSH BUTTON 48" A.F.F., MOUNT TRANSFORMER IN FURNACE ROOM. RUN #18 SOLID CONDUCTOR, TWISTED PAIR, JACKETED CABLE FROM FURN. RECEPTACLE TO TRANSFORMER, BELL & PUSH BUTTON.
6. T-STAT, ROUTE STRANDED WIRE TO HVAC PER HVAC SUPPLIER. COORDINATE WITH MECHANICAL.
7. RECEPTACLE TO BE 1/2 SWITCH, CONTROLLED BY SWITCH. COORDINATE LOCATION WITH OWNER/ARCHITECT.
8. STUB-OUT 12/2 WITH GROUND, NON METALLIC SHEATHING CABLE FOR RANGE HOOD. VERIFY HEIGHT W/EQUIPMENT. FOR ADA COMPLIANT UNITS PROVIDE CONTROLS 48" A.F.F. NEXT TO, BUT NOT ABOVE COOKTOP.
9. PROVIDE TELEPHONE CONDUIT AND CABLING STUB-OUT PER FRONTIER COMMUNICATION STANDARD P1-3 FOR RURAL TELEPHONE OUTSIDE STATION PROTECTOR AND GROUNDING AT METER/DISCONNECT LOCATION.
10. WIRE EXHAUST FAN WITH LIGHT CIRCUIT. SWITCH SEPARATELY, SEE MECHANICAL.
11. COORDINATE LOCATION AND NUMBER OF TELEPHONE/TV OUTLETS WITH ARCHITECT.
12. 50A, 240V-1PH RANGE OUTLET. MATCH EQUIPMENT SELECTED. ROUTE 3#8 CU., (IF NEUTRAL IS REQUIRED) AND 1#10 CU. EGC TO PANEL.
13. RECEPTACLES IN THIS AREA TO BE AFCI PER 2008 NEC ARTICAL 210-12(B).
14. COORDINATE SWITCHES AND RECEPTACLE WITH MEDICINE CABINET, IF USED.
15. POSSIBLE LOCATIONS FOR ELECTRIC METER AND DISCONNECT SWITCH. COORDINATE LOCATION WITH NTUA.
16. ELECTRIC PANEL SHOWN GRAPHICALLY, COORDINATE LOCATION WITH NTUA, OBSERVE NEC CLEARANCE AND CODE REQUIREMENTS.
17. PROVIDE 4x4 WEATHER PROOF BACK BOX WITH COVER TO ACCOMMODATE SATELLITE COAX CABLE TERMINATION, PLACE IN PROXIMITY TO TELEPHONE BOX BUT NOT IN CONFLICT WITH OTHER EQUIPMENT IN THE AREA.
18. PROVIDE INTERSYSTEM BONDING TERMINAL FOR COMMUNICATIONS SYSTEM PER 2008 NEC ARTICAL 250.94.
19. PROVIDE SWITCH AND WIRING SO THAT CEILING FAN WITH LIGHT KIT CAN BE INSTALLED BY OWNER.
20. PROVIDE J-BOX INSTALLATION PER 2008 NEC ARTICLE 314.27(B).
21. EXTERIOR LIGHT WITH INTEGNAL PHOTO SENSOR CONNECTED TO LP4-22 USING LOCK OPEN BRACKET CIRCUIT BREAKER.
22. PROVIDE J-BOX IN ATTIC FOR FUTURE RADON EXHAUST FAN. COORDINATE LOCATION WITH STRUCTURAL DRAWING SHEET S-601.
23. PROVIDE J-BOX IN ATTIC FOR FUTURE RADON DETECTION EQUIPMENT. COORDINATE LOCATION WITH STRUCTURAL DRAWING SHEET S-601.
24. PROVIDE HALF SWITCH RECEPTACLE FOR DISPOSER , TO BE ADDED BY OWNER.

General Notes

A. SEE SHEET E-001 FOR ADDITIONAL NOTES AND LEGEND.

B. SEE SHEET E-601, E-602 & E-603 FOR PANEL/LIGHTING SCHEDULES.

C. COORDINATE LIGHT FIXTURE AND DUCT DIFFUSER LOCATIONS WITH JOIST LOCATIONS.

D. LAYOUT IS FOR INTENT ONLY, COORDINATE LOCATION OF ALL LIGHTING, SWITCHES, SWITCH ARRANGEMENTS AND OUTLETS WITH OWNER/ARCHITECT.

E. MAKE ALL REQUIRED CONNECTIONS TO EQUIPMENT SUPPLIED BY OTHERS INCLUDING POWER CONTROLS & THERMOSTATS FOR A COMPLETE WORKING SYSTEM SEE MECHANICAL PLANS.

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SEAL / CERTIFICATION

DAVID J. REDDING NEW MEXICO 14514 REGISTERED PROFESSIONAL ENGINEER
6/10/09

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·Construction Services
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ABQ Project Number: 28176

PROJECT NAME

Chinle Valley Schools Group Homes

CLIENT NAME

Navajo Housing Authority

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No.	Description	Date

2500 SQ. FT. UNIT POWER & LIGHTING PLAN

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Project number	Project Number
Date	6/10/09
Drawn by	JB
Checked by	AS

E-102

Scale