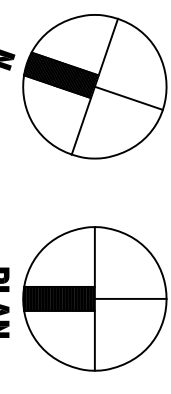


2 ENLARGED POWER PLAN
 E101/E101 SCALE: 1:50

- KEYNOTES:
- 1 FURNISH AND INSTALL INFLOOR POWER AND COMMUNICATION DUCT SYSTEM TO PROVIDE FLUSH UTILITY CONNECTIVITY UNDER FURNITURE.
 - 2 AT LOCATION NOTED, TRANSITION TO CONDUIT, 21mm EMT, AND ROUTE CIRCUIT (2#12, #12 GND) BACK TO PANEL PP12A-51.
 - 3 POWER AND TELECOM OUTLET SHALL BE INSTALLED FLUSH WITH FLOOR. LOCATE IN CENTER OF EACH ROOM.
 - 4 FURNISH AND INSTALL A NEMA 3R, 3# 30A NON-FUSED DISC. SWITCH WITH EQUIPMENT GROUND FOR UNITS NOTED. MOUNT ON/NEAR EQUIPMENT. USE FLEXIBLE CONDUIT FOR FINAL MOTOR CONNECTIONS. USE #10 CONDUCTORS.
 - 5 IN APPROXIMATE LOCATIONS SHOWN, SURFACE MOUNT (AT 1830mm A.F.F.) A NEMA 1, 381mm X 381mm X 102mm PULLBOX FOR SIMULATOR POWER & HPU POWER. THESE CIRCUITS SHALL BE ROUTED OUT TO TRAINERS BY OTHERS.
 - 6 FURNISH AND INSTALL A NEMA 1, SIZE 0, 208V, 3# COMBINATION STARTER WITH TERMINAL OVERLOADS SIZED FOR FAN MOTOR NAMEPLATE RATING. STARTERS TO BE NON-FUSED AND BE PROVIDED WITH START/STOP PUSHBUTTONS IN COVER OF ENCLOSURE. PROVIDE 120V CONTROL TRANSFORMER AND (1) ADD'L N.O. CONTACT TO OPERATE MOTORIZED LOUVERS. WIRING FROM STARTER TO LOUVERS TO BE 2#10, #10 GND IN 21mm EMT. MAIN POWER WIRING TO BE 3#10 + 10 GND IN 21mm EMT EXCEPT AT FINAL CONNECTION TO MOTOR WHERE FLEXIBLE CONDUIT SHALL BE USED.
 - 7 IN APPROXIMATE LOCATIONS SHOWN, SURFACE MOUNT (AT 1830mm A.F.F.) A NEMA 1, 155mm X 155mm X 102mm PULLBOX FOR GENERATOR POWER. THESE CIRCUITS SHALL BE ROUTED OUT TO TRAINERS BY OTHERS.
 - 8 REFER TO SHEET E-104 FOR LOCATIONS OF COMM/DATA OUTLETS. COORDINATE MOUNTING OF THESE OUTLETS TO ASSURE RECEIPTABLES ARE NO FURTHER THAN 450cm FROM COMM/DATA OUTLETS.
 - 9 REFER TO SHEET E-106 FOR LOCATIONS OF EXISTING MAIN PANEL. WIRING EXISTING BLDG. 253; NEW SERVICE WILL BE EXTENDED TO THIS PANEL FROM PANEL MDP.
 - 10 RADIANT HEATERS ARE POWERED AND CONTROLLED BY LINE VOLTAGE THERMOSTAT SHOWN. CIRCUIT TO CONSIST OF 2#12 + #12 GND IN 16mm EMT. USE FLEXIBLE CONDUIT TO MAKE FINAL CONNECTIONS AT BURNERS.
 - 11 EF-3 AND EF-4 ARE FURNISHED WITH DISCONNECTING MEANS INTEGRAL TO EACH UNIT. EF-3 SHALL BE INTERLOCKED WITH RESTROOM LIGHT SWITCH AND EF-4 IS TO BE THERMOSTATICALLY CONTROLLED. REFER TO SHEET M-101 FOR THERMOSTAT LOCATION. ROUTE CONTROL WIRING IN 21mm EMT.
 - 12 JUNCTION BOX, WITH 120V FOR BOX MOUNT POWER CONVERTERS FOR FLUSH VALVES AND SINKS, MOUNTED AT 762mm A.F.F. EQUIPMENT FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL.
 - 13 ELECTRICAL CONTRACTOR TO MAKE LOW VOLTAGE CONNECTIONS AT EACH WATER CLOSET, SINK & URINAL PER MFR. SPECIFICATIONS. COORDINATE BOX MOUNTING LOCATIONS WITH MFR. PRINTED INSTRUCTIONS BEFORE ROUGH-IN, TYPICAL OF 5.

- GENERAL NOTES:
1. BRANCH CIRCUITS FROM PANELBOARDS TO DEVICES OVER 30 METERS DISTANCE SHALL BE #10AWG MINIMUM, UNLESS NOTED OTHERWISE.

1 POWER PLAN
 E101/E101 SCALE: 1:100



NOTE:
 ALL DIMENSIONS AND/OR DIMENSIONS SHOWN IN CALLOUTS/NOTES ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

ADAL C-130U AIRCREW FUSELAGE TRAINER
 LRAFB, LITTLE ROCK AR.
 Project No. NKA4 043005

POWER PLAN

DEPARTMENT OF THE ARMY
 U.S. ARMY CORPS OF ENGINEERS
 LITTLE ROCK DISTRICT
 LITTLE ROCK, ARKANSAS

Atkins Benham
 a member of the WS Atkins group of companies

Designed by: RH	Drawn by: MB	Contract Date: 151001E-101
Reviewed by: PWD	Draw. Code:	File Name:
Submitted by:	Plot date: 02/04/03	Plot scale: 1:1
Atkins Benham, Inc.	Contract No.: DAC03-03-R-0021	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

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 OF ENGINEERS
 LITTLE ROCK DISTRICT