LIGHTING FIXTURE SYMBOLS

CEILING WALL

- A — FLUORESCENT FIXTURE
- A / A — COMPACT FLUORESCENT, HID OR INCANDESCENT FIXTURE
- A / A — EXIT LIGHTING, DARKENED SECTION(S) DENOTE FACE(S). USE DIRECTIONAL ARROWS WHERE INDICATED.
- A1 / A1 — LIGHT FIXTURE WITH BATTERY BACK-UP
- POLE MOUNTED LIGHT FIXTURE

NOTES: CAPITAL LETTER DENOTES FIXTURE TYPE.
REFER TO LIGHTING FIXTURE SCHEDULE, SHEET E-601.

RECEPTACLES AND SWITCHES

- SINGLE RECEPTACLE OUTLET, MOUNTED AT 450mm A.F.F. UNLESS NOTED OTHERWISE. 20A.,125V.,2P.,3W.
- F/C — DUPLEX RECEPTACLE OUTLET, MOUNTED FLOOR (F) OR CEILING (C). 20A.,125V.,2P.,3W.
- DUPLEX RECEPTACLE OUTLET, MOUNTED AT 450mm A.F.F. UNLESS NOTED OTHERWISE. 20A.,125V.,2P.,3W.
- S — SINGLE POLE SWITCH, MOUNTED AT 1200mm A.F.F., 20A.,120-277V. AC
- S_3 — THREE WAY SWITCH, MOUNTED AT 1200mm A.F.F., LOWER CASE LETTER DENOTES SWITCH COMMON TO FIXTURES, 20A.,120-277V. AC

NOTES: SUBSCRIPTS SHALL BE ADDED TO SYMBOL WHERE APPLICABLE:
EWC=ELECTRIC WATER COOLER, GFCI=GROUND FAULT CIRCUIT INTERRUPTER,
WP=WEATHERPROOF (RATED WP WHILE IN SERVICE)
C=MTD. 50mm ABOVE COUNTER TOP OR BACKSPLASH.

TELEPHONE SYSTEM SYMBOLS

- COMBINATION OUTLET FOR VOICE AND DATA WITH ONE 6-PIN (RJ11) CONNECTOR MOUNTED IN THE TOP POSITION AND ONE 8-PIN (RJ45) CONNECTOR MOUNTED IN THE BOTTOM POSITION. OUTLET SHALL BE MOUNTED 450mm A.F.F. UNLESS NOTED OTHERWISE. 27mm CONDUIT SHALL BE ROUTED FROM EACH OUTLET OVER TO CABLE TRAY.
- D — SAME AS ABOVE EXCEPT LETTER D DENOTES DATA LINE DROP ONLY TO BE INSTALLED AT THIS LOCATION. OUTLET TO CONSIST OF ONE 8-PIN (RJ-45) CONNECTOR MOUNTED IN CENTER POSITION OF OUTLET. OUTLET SHALL BE MOUNTED 450mm A.F.F. 27mm CONDUIT SHALL BE ROUTED FROM EACH OUTLET UP ABOVE CEILING AND BACK TO COMMUNICATIONS ROOM.
- W — TELEPHONE OUTLET. 450mm A.F.F. UNLESS OTHERWISE NOTED. W DENOTE WALL MOUNTED
- COMBINATION FLOOR MOUNTED OUTLET FOR VOICE AND DATA WITH ONE 6-PIN (RJ11) VOICE CONNECTOR AND ONE 8-PIN (RJ45) DATA CONNECTOR.
- TELECOMMUNICATIONS CABLE TRAY

CONDUIT, RACEWAY & WIRING SYMBOLS

- J — JUNCTION BOX
- BRANCH CIRCUIT CONSISTING OF #12 AWG IN 16mm CONDUIT (UNO). SLASHES DENOTE NUMBER OF CONDUCTORS. GROUNDING CONDUCTOR, NEUTRAL, PHASE OR SWITCH LEG
- HOMERUN TO PANELBOARD OR DEVICE
- PC — PARTIAL CIRCUIT HOMERUN
- E^{U} — EXISTING ELECTRICAL UNDERGROUND LINE
- NEW ELECTRICAL UNDERGROUND LINE

POWER AND CONTROL PLAN SYMBOLS

- PANELBOARD MOUNT SUCH THAT TOP CIRCUIT BREAKER IS NO MORE THAN 1800mm A.F.F.
- DISCONNECT SWITCH MOUNT WITH C OF HANDLE AT 1500mm A.F.F.
- COMBINATION MOTOR CONTROLLER
- T — DRY TYPE TRANSFORMER
- CR — CARD READER
- SEC — SECURITY PANEL

FIRE ALARM SYSTEM SYMBOLS

- RAP — REMOTE ALARM PANEL
- MANUAL PULL STATION, FLUSH MOUNTED AT 1200mm A.F.F.
- COMBINATION FIRE ALARM HORN/STROBE LIGHT, FLUSH MOUNTED AT 2000mm A.F.F. UNLESS NOTED OTHERWISE.
- FIRE ALARM STROBE LIGHT, FLUSH MOUNTED AT 2000mm A.F.F. UNLESS NOTED OTHERWISE.
- FIRE SPRINKLER MOTOR ALARM BELL AT 3000mm ABOVE GRADE
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- SS — SUPERVISORY SWITCH
- PIV — POST INDICATOR VALVE

ONE LINE DIAGRAM SYMBOLS

- INTERRUPTER SWITCH
- FUSED INTERRUPTER SWITCH
- CIRCUIT BREAKER, 600 VOLTS AND BELOW
- SURGE ARRESTER
- POWER TRANSFORMER
- GROUND ROD CONNECTION
- 5 — MOTOR, NUMBER INDICATES KW
- ELECTRONIC POWER METER
- SEPARABLE CONNECTORS
- CURRENT TRANSFORMER

GROUNDING & LIGHTNING PROTECTION

- BARE COPPER GROUND WIRE
- GROUND GRID CONNECTION
- GROUND ROD
- AIR TERMINAL

NOTES:

1. MOUNT ALL EQUIPMENT AT HEIGHTS SPECIFIED ON THIS SHEET UNLESS NOTED OTHERWISE ON DOCUMENTS.

ELECTRICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AIC	AMPERES INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CIRCUIT
COL	COLUMN
CONT'D	CONTINUED
CU	COPPER
DWG	DRAWING
ELEC	ELECTRIC, ELECTRICAL
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FS	FLOW SWITCH
GFCI	GROUND FAULT CIRC. INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
H-O-A	HAND-OFF-AUTOMATIC SWITCH
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILLS
kV	KILOVOLT
kVA	KILOVOLT-AMPERE
kW	KILOWATT
LC	LIGHTING CONTACTOR
LTG	LIGHTING
MAX	MAXIMUM
MH	METAL HALIDE
MIN	MINIMUM
mm	MILLIMETER
OH	OVERHEAD
PE	PHOTOELECTRIC CELL
PIV	POST INDICATOR VALVE
PNL	PANEL
PNLBRD	PANELBOARD
PVC	POLYVINYL CHLORIDE
PWR	POWER
REF	REFER TO/ REFERENCE/ REFRIGERATOR
RGS	RIGID GALVANIZED STEEL CONDUIT
SW	SWITCH
T	THERMOSTAT/TIMER/TRANSFORMER
TB	TERMINAL BOARD
TD	TIME DELAY
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

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

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Submitted by: Atkins Benham, Inc.		Plot date: 02/04/03
		Plot scale: 1:1
Invitation No.: DACA03-03-R-0021		Contract No.: DACA03-03-B-

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

ELECTRICAL LEGEND & ABBREVIATIONS

Sheet Reference Number:
E-001