





















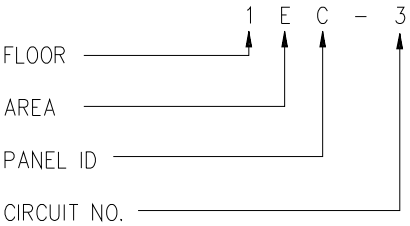
ABBREVIATIONS

ABBREV	DESCRIPTION
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
BC	BARE COPPER
C	CONDUIT
CB, C/B	CIRCUIT BREAKER
CKT BKR	
CKT	CIRCUIT
CCTV	CLOSED CIRCUIT T.V.
CLG	CEILING
DB	DIRECT BURIAL
EC	EMPTY CONDUIT
EG	EQUIPMENT GROUND
EX	EXISTING
EJ	EXPANSION JOINT
EXP, XP	EXPLOSION PROOF
EMERG	EMERGENCY
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
ESM	ELECTRIC STRIP MOLD
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FI	FILM ILLUMINATOR
FCU	FAN COIL UNIT
FIXT	FIXTURE
FL	FLUORESCENT
G, GND	GROUND
GEN	GENERATOR
GTB	GROUND TERMINAL BOX
GI	GROUND FAULT INTERRUPTER
HOA	HAND OFF AUTOMATIC
HP	HORSE POWER
INC	INCANDESCENT
JB	JUNCTION BOX
LTS	LIGHTS
LTC	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG HGT	MOUNTING HEIGHT
P	POLE
PB	PULL BOX
PNL	PANEL
POD	POWER OPERATED DAMPER
PWR	POWER
REG	RIGID GALVANIZED CONDUIT
REC	RECEPTACLE
SIG	SIGNAL
TEL	TELEPHONE
TV	TELEVISION
UH	UNIT HEATER
V	VOLTAGE
VP	VAPOR PROOF
W	WIRE
W/	WITH
WP	WEATHER PROOF
WT	WATER TIGHT

SYMBOLS – GENERAL

SYMBOL	DESCRIPTION
	NOTE: MOUNTING HEIGHT FOR THE FOLLOWING SWITCHES SHALL BE 48" (1100 MM) AFF.
	SINGLE POLE SWITCH WITH SUFFIX a,b,c ETC. INDICATES CONTROL OF FIXTURE(S) WITH SAME DESIGNATION(S).
	DOUBLE POLE SWITCH
	THREE-WAY SWITCH.
	4 WAY SWITCH.
	DIMMER SWITCH
	DUPLEX RECEPTACLE – 20A, MTD, 18" (460 MM) AFF. UL LISTED TAMPER RESISTANT TYPE.
	DUPLEX RECEPTACLE – 20A, MTD, 18" (460 MM) AFF. GROUND FAULT TYPE.
	QUADRAPLEX OUTLET – 20AMP, MTD 18" (460 MM) A.F.F.
	DUPLEX RECEPTACLE – 20 AMP, MTD, 18" (460MM) AFF.
	SPECIAL PURPOSE OUTLET AS NOTED
	DUPLEX COMMUNICATION OUTLET WITH (1) TEL + (1) DATA RJ45 RECEPTACLES, MTD, 18" (460MM) AFF.
	QUAD COMMUNICATION OUTLET WITH (1) TEL + (3) DATA RJ45 RECEPTACLES MTD, 18" (460) AFF.
	WALL MOUNTED TELEPHONE OUTLET RJ45 MTD, 48" (460MM) A.F.F.
	SPEAKER, CEILING MOUNTED.
	SPEAKER VOLUME CONTROL SWITCH
	AMPLIFIER
	INDICATES EXISTING
	JUNCTION OR PULL BOX, MTD 1'-6" (450 MM) A.F.F. UNLESS NOTED OTHERWISE
	JUNCTION BOX WITH CABLE TV SPLITTER OR TAP
	LIGHTING OR LIGHTING/POWER PANELBOARD (E) INDICATES EXISTING

PANELBOARD DESIGNATION



 60 40  
FUSED OR UNFUSED DISCONNECT SWITCH.  
TOP NUMBER INDICATES SWITCH SIZE.  
BOTTOM NUMBER INDICATES FUSE SIZE. NF=NON-FUSED.

 TV

TV OUTLET  
TV CONDUIT RUN, MINIMUM 3/4" (20mm) CONDUIT

BRANCH CIRCUIT CONCEALED IN CEILING OR WALLS.

FIRE ALARM CONDUIT RUN


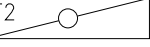
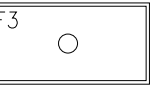
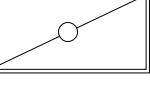







HOME RUN TO PANEL – ARROWHEADS INDICATE CIRCUITS. WIRES INDICATED ARE NEUTRAL AND THREE HOT LEGS (A DIFFERENT PHASE FOR EACH CIRCUIT). MAXIMUM THREE CIRCUITS PER CONDUIT. ALL RUNS INCLUDE A GREEN GROUNDING CONDUCTOR IN ADDITION TO WIRES SHOWN.

CABLE TRAY, 4" x 12" CENTER SPINE TYPE  
OR 4" x 6" DOUBLE TIER WALL MOUNTED

CABLE TRAY, 4" x 18" CENTER SPINE TYPE  
OR 4" x 9" DOUBLE TIER WALL MOUNTED

CABLE TRAY, 4" x 24" CENTER SPINE TYPE  
OR 4" x 12" DOUBLE TIER WALL MOUNTED










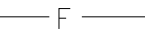







SYMBOLS – LIGHTING

SYMBOL	DESCRIPTION
	1'x4' FLUORESCENT FIXTURE
	1'x4' EMERGENCY FLUORESCENT FIXTURE (INTEGRAL BATTERY BALLAST)
	2'x4' FLUORESCENT FIXTURE CAP LETTER INDICATES FIXTURE TYPE "F3" (SEE E3.11) NUMBER INDICATES CIRCUIT
	2'x4' EMERGENCY FLUORESCENT FIXTURE (INTEGRAL BATTERY BALLAST)
	2'x2' FLUORESCENT FIXTURE
	2'x2' EMERGENCY FLUORESCENT FIXTURE. (INTEGRAL BATTERY BALLAST)
	RECESSED DOWN LIGHT CAP. LETTER INDICATES FIXTURE TYPE F8
	WALL MOUNTED FIXTURE
	CEILING MOUNTED EXAM LIGHT, SINGLE HEAD
	CEILING MOUNTED EXAM LIGHT, DOUBLE HEAD
	EXIT SIGN WITH SELF-CONTAINED EMERGENCY BATTERY; DARKENED SECTION INDICATES FACES, DIRECTIONAL ARROWS AS INDICATED.

GENERAL NOTES

1. THE FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN
2. THE MOUNTING HEIGHT OF NEW POWER AND COM. OUTLET SHALL GENERALLY BE 18" AFF, BUT SHALL MATCH HEIGHT OF OTHER EXISTING OUTLET IN ROOM.
3. RECEPTACLES ARE NOT TO BE INSTALLED BACK TO BACK, PROVIDE HORIZONTAL SEPARATION BETWEEN BOXES.
4. THE CONTRACTOR SHALL "TONE OUT" OR OTHERWISE IDENTIFY ALL NEW AND EXISTING BRANCH CIRCUITS TO CREATE ACCURATE AND COMPLETE PANEL SCHEDULES. ALL LIGHTING FIXTURES AND RECEPTACLES SHALL BE MARKED ON AS-BUILT PLANS TO IDENTIFY THEIR SOURCE PANEL AND CIRCUIT NUMBER. ALL PANEL SCHEDULES SHALL BE FILLED IN ON AS-BUILT PLAN TO IDENTIFY CIRCUIT SERVED.

SYMBOLS–FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
	FIRE ALARM STATION (MANUAL) NUMERALS DENOTE CODE MOUNTED 48" (1220 MM) AFF TO CENTERLINE OF STATION.
	FIRE ALARM AUDIBLE VISUAL DEVICE MOUNTED 7'-6" (2300 MM) AFF UNLESS OTHERWISE NOTED.
	SMOKE DETECTOR, PHOTOELECTRIC TYPE.
	SMOKE DETECTOR DUCT TYPE.
	ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET.
	FIRE ALARM VISUAL DEVICE (STROBE) MOUNTED 7'-6" (2300MM) AFF UNLESS OTHERWISE NOTED.
	FIRE ALARM CONTROL PANEL.
	REMOTE ANNUNCIATOR PANEL.
	FIRE ALARM TERMINAL CABINET.
	FIRE ALARM CONDUIT RUN–MINIMUM 3/4" (20 MM).
	HEAT DETECTOR, FIXED TEMPERATURE, 190 DEGREES FAHRENHEIT [88° CELSIUS], UNLESS NOTED OTHERWISE.
	COMBINATION HEAT DETECTOR WITH RATE OF RISE ELEMENT (15 DEG. FAHRENHEIT/MIN.) [9.5 DEG CELSIUS/MIN].
	DOOR SWITCH.
	JUNCTION/PULL BOX, EXISTING.
	ADDRESSABLE INTERFACE MODULE, EXISTING.
	WATER FLOW SWITCH, EXISTING.
	TAMPER SWITCH, EXISTING.



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DRAWINGS  
MARCH 2007

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							BY
							Date
							Revision/Issue
							No.

PROJECT TITLE  
REPAIR MEDICAL CENTER PH B  
LITTLE ROCK AFB, ARKANSAS

SHEET TITLE  
ABBREVIATIONS, SYMBOLS,  
& GENERAL NOTES

DRAWN BY RJR	LEAD DESIGNER AM
TECH REVIEWER KF	PROJECT NUMBER NKAK 05-8004A
DESIGNED BY KF	SHEET
DATE 1-21-08	E0.00
SCALE N/A	30 OF 39

KEYPLAN  
N.T.S.

