

LIGHTING DEVICE SCHEDULE		
SYMBOL	MODEL #	DESCRIPTION
§	HBL 1221	HUBBELL SINGLE POLE SWITCH (44" AFF)
§2	HBL 1222	HUBBELL TWO POLE SWITCH (44" AFF)
§3	HBL 1223	HUBBELL 3-WAY SWITCH (44" AFF)
§D	LUTRON DIVA	LUTRON 0-10V DIMMER SWITCH (44" AFF)
§3D	LUTRON DIVA	LUTRON 0-10V 3-WAY DIMMER SWITCH (44" AFF)
OS DTL	OCS-222-1	LOW-VOLTAGE DUAL-TECH CEILING SENSOR, LARGE MOTION
OS HW	OCS-402-1	LOW-VOLTAGE PIR HALLWAY CEILING SENSOR
PP	PP-900-AX	POWER PACK, SINGLE-RELAY, 120-277V W/AUXILIARY SWITCH INPUT
§OS	SWX-121-D	DUAL-TECH DIMMABLE OCCUPANCY SENSOR WALL SWITCH (44" AFF)

- NOTES:
- PROVIDE POWER PACKS ON ALL OCCUPANCY SENSORS AND DIMMED LIGHTING CIRCUITS PER MANUFACTURER TO ACHIEVE A COMPLETE DIMMED LIGHTING CIRCUIT.
 - ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.
 - ALL FINISHES SHALL BE SPECIFIED DURING SUBMITTAL PHASE.
 - ALL SWITCHES SHALL BE GRAY WITH STAINLESS STEEL FACEPLATES.

FIRE ALARM LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
FACP	CONTROL PANEL (60" TO CENTER OF DISPLAY)	S	PHOTOELECTRIC SMOKE DETECTOR - 'R' DENOTES RELAY BASE ASSOCIATED WITH DETECTOR / 'SB' DENOTES AUDIBLE BASE ASSOCIATED WITH DETECTOR / 'ER' DENOTES ELEVATOR RECALL
FAA	ANNUNCIATOR PANEL (60" TO CENTER OF DISPLAY)		
F	MANUAL PULL STATION (48" AFF)		
☁	WALL-MOUNTED MC CANDELLA STROBE	D	PHOTOELECTRIC DUCT SMOKE DETECTOR - 'R' DENOTES RELAY BASE ASSOCIATED WITH DETECTOR / 'SB' DENOTES AUDIBLE BASE ASSOCIATED WITH DETECTOR (SUPERVISORY)
×	CEILING-MOUNTED MC CANDELLA STROBE		
CS	ALARM SPEAKER	C	CARBON MONOXIDE DETECTOR

- NOTES:
- ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.

LIGHT FIXTURE SCHEDULE							
TAG	DESCRIPTION	VOLTAGE	LOAD	TEMP	MANUFACTURER	MODEL	MOUNTING
A1	2x2 LED FLAT PANEL	120 V	40 W	4000	ELITE LIGHTING	22-FPL-8L-LED-2000L/3000L/4000L-DIM10-MVOLT-39K40K/50K-85	RECESSED
A1E	2x2 LED FLAT PANEL EMERGENCY	120 V	40 W	4000	ELITE LIGHTING	22-FPL-8L-LED-2000L/3000L/4000L-DIM10-MVOLT-39K40K/50K-85-0-EMG-LED-10W	RECESSED
A2	2x4 LED FLAT PANEL	120 V	50 W	4000	ELITE LIGHTING	24-FPL-8L-LED-3000L/4000L/5000L-DIM10-MVOLT-39K40K/50K-85	RECESSED
A2E	2x4 LED FLAT PANEL EMERGENCY	120 V	50 W	4000	ELITE LIGHTING	24-FPL-8L-LED-3000L/4000L/5000L-DIM10-MVOLT-39K40K/50K-85-0-EMG-LED-10W	RECESSED
C1	6" LED CAN LIGHT	120 V	35 W	4000	ELITE LIGHTING	HH6-LED-2000L/2500L/3000L-DIM10-MVOLT-WD-27K90K/39K40K/50K-90-HH6-6501-CL-WH	RECESSED
C1E	6" LED CAN LIGHT W/EMERGENCY	120 V	35 W	5000	ELITE LIGHTING	HH6-LED-2000L/2500L/3000L-DIM10-MVOLT-WD-27K90K/39K40K/50K-90-INTG-EMG-LED-10W-HH6-6501-CL-WH	RECESSED
L1	RGBW LED TAPE LENGTH VARIES	24 V	120 W	4000	KLUS SOLUTIONS	TAPE: K-RGBW-1920-120-24; EXTRUSION: MICRO-PLUS A02966; DRIVER: ND-96-24	SURFACE
W1	LED WALL PACK	120 V	50 W	5000	ELITE LIGHTING	OWS-FC-303-LED-2000L/4000L/6000L-DIM10-MVOLT-30K40K/50K-82	WALL
W1E	LED WALL PACK W/EMERGENCY	120 V	50 W	5000	ELITE LIGHTING	OWS-FC-303-LED-2000L/4000L/6000L-DIM10-MVOLT-30K40K/50K-82-EMG-LED-G2-10W	WALL
X1	EDGE-LIT LED EXIT SIGN	120 V	5 W	4000	ELITE LIGHTING	ELX-604-AL-1-CLEAR	UNIVERSAL

ELECTRICAL LEGEND

▼ W	WALL-MOUNTED TELEPHONE OUTLET (44" AFF)	CS	DISCONNECT SWITCH
▼	TELEPHONE OUTLET (18" AFF)	CS	FACTORY-MOUNTED DISCONNECT SWITCH
C	COMMUNICATION OUTLET (18" AFF)	CS	FUSED DISCONNECT SWITCH
▼ C	COMBINATION TELEPHONE/COMMUNICATION OUTLET. PROVIDE (2) 3/4" EMPTY CONDUITS TO ABOVE ACCESSIBLE CEILING LOCATION.	SP	CEILING-MOUNTED SPEAKER
IC	INTERCOM OUTLET	J	JUNCTION BOX
M	MICROPHONE OUTLET	TV	TV WALL BOX EQUAL TO HUBBELL NSAV64M
		\$a	LOWERCASE LETTERS INDICATE SWITCHING CONFIGURATION

- NOTES:
- ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.

POWER DEVICE SCHEDULE

SYMBOL	MODEL #	DESCRIPTION
TR		HUBBELL TAMPER-RESISTANT DUPLEX RECEPTACLE (18" AFF)
HBL 5362		HUBBELL QUADPLEX RECEPTACLE (18" AFF)
GFRST20		HUBBELL GFCI DUPLEX RECEPTACLE (18" AFF)
BR20TR		HUBBELL TAMPER-RESISTANT ABOVE-COUNTER DUPLEX RECEPTACLE (44" AFF)
GFTWRST83		HUBBELL TAMPER-RESISTANT ABOVE-COUNTER GFCI DUPLEX RECEPTACLE (44" AFF)
WP	GF5362	HUBBELL WEATHERPROOF GFCI DUPLEX RECEPTACLE WITH HUBBELL WP28E COVER (18" AFF)
WPR		CONVENIENCE RECEPTACLE FURNISHED WITH RTU, WIRED SEPARATELY FROM RTU POWER

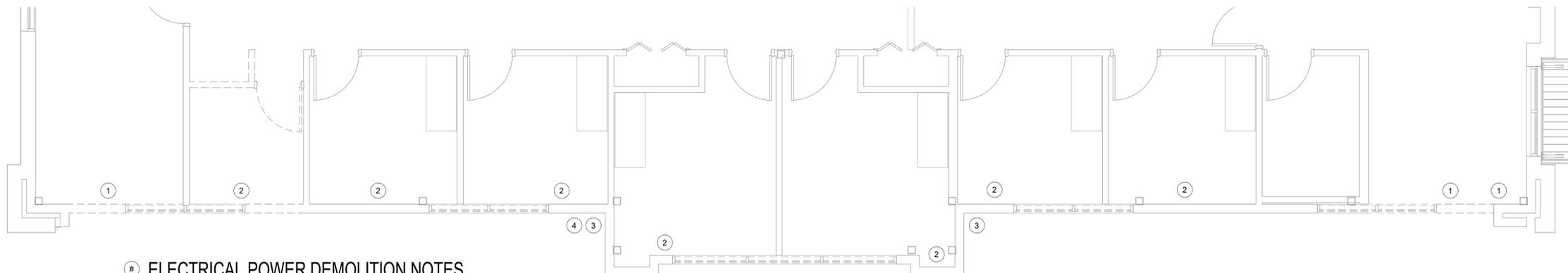
- NOTES:
- ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.
 - ALL FINISHES SHALL BE SPECIFIED DURING SUBMITTAL PHASE.
 - ALL RECEPTACLES SHALL BE GRAY WITH STAINLESS STEEL FACEPLATES.

FIRE ALARM NOTES

- THE EXISTING BUILDING CONTAINS AN EXISTING ADDRESSABLE FIRE ALARM SYSTEM. THE NEW ADDITION SHALL FUNCTION AS AN EXTENSION OF THIS EXISTING SYSTEM. THE MANUFACTURER OF ALL NEW FIRE ALARM DEVICES SHALL BE THE MANUFACTURER OF THE EXISTING SYSTEM.
- CONTRACTOR SHALL, WHEN DESIGNING THE FIRE ALARM SYSTEM, VERIFY EXACT LOCATION, LAYOUT, AND SPACING OF ALL DEVICES REQUIRED PER NFPA 72, NFPA 101, APPLICABLE BUILDING CODES AND THE AMERICANS WITH DISABILITIES ACT.
- DESIGN AND INSTALL THE FIRE ALARM SYSTEM TO MEET ALL REQUIREMENTS OF THE LOCAL FIRE MARSHALL.
- DESIGN THE FIRE ALARM SYSTEM PER REQUIREMENTS OF NFPA 72. ALL DEFICIENCIES OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR.
- SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE COMPLETE LAYOUT DRAWINGS OF ALL EQUIPMENT INDICATING RELATIONSHIP TO ADJACENT SYSTEMS (HVAC, LIGHTING, ETC) WHICH MAY CAUSE CONFLICT.
- SUBMIT COMPLETE DETAILS AND SECTIONS TO CLEARLY DEFINE AND CLARIFY THE DESIGN INCLUDING A MATERIALS LIST DESCRIBING ALL PROPOSED MATERIALS BY MANUFACTURER NAME AND MODEL NUMBER.
- UPON COMPLETION OF SYSTEM INSTALLATION, TEST AND RE-TEST THE SYSTEM AND MAKE ALL CORRECTIONS NECESSARY.
- PROVIDE DUCT DETECTORS TO MECHANICAL CONTRACTOR FOR INSTALLATION IN DUCTWORK. MAKE ALL WIRING CONNECTIONS NECESSARY TO CONNECT TO FIRE ALARM SYSTEM.
- ALL DEVICES IN OCCUPIED AREAS SHALL BE WHITE WITH RED LETTERING.
- FIRE ALARM SYSTEMS SHALL BE OF ADDRESSABLE TYPE, INCORPORATING ACTIVATION DEVICES SUCH AS PULL STATIONS, SMOKE DETECTORS, DUCT DETECTORS, ETC., AND AUDIO VISUAL DEVICES SUCH AS HORNS AND STROBES.
- STROBE DEVICES SHALL HAVE THEIR CANDELLA LIGHT INTENSITY DISCHARGE CONFORMING TO THE AMERICANS WITH DISABILITIES ACT AND LOCAL CODES.
- VISUAL DEVICES SHALL BE LOCATED IN SPACES OCCUPIED BY INHABITANTS AND THE PUBLIC. AUDIO DEVICES SHALL BE LOCATED SO DEVICE DELIVERS SOUND LEVELS THAT ARE 15 DB OVER AMBIENT NOISE LEVELS IN AREA OCCUPIED BY THE PUBLIC.
- A MANUAL PULL STATION SHALL BE PROVIDED AT EACH EXTERIOR DOOR USED AS MEANS OF EGRESS, AND AT OTHER LOCATIONS CONFORMING TO THE NATIONAL FIRE PROTECTION ASSOCIATION, AND OTHER LOCAL CODES.
- PROVIDE AUDIBLE ALARM DEVICES IN HIGH AMBIENT NOISE AREAS SUCH AS THE COMMONS AREA.
- PROVIDE DUCT SMOKE DETECTORS WHERE REQUIRED BY NFPA 90A. COORDINATE WITH MECHANICAL DRAWINGS FOR ADDITIONAL LOCATIONS.

ELECTRICAL NOTES

- ELECTRICAL CONTRACTOR SHALL READ AND BECOME FAMILIAR WITH THE REQUIREMENTS OF THE ARKANSAS SCHOOL FACILITIES MANUAL. ALL REQUIREMENTS OF THE MANUAL, WHETHER SPECIFICALLY STATED ON THESE DOCUMENTS OR NOT SHALL APPLY TO THIS PROJECT. ELECTRICAL CONTRACTOR SHALL SPECIFICALLY READ AND UNDERSTAND CHAPTER 7400-ELECTRICAL AND 7500-TECHNOLOGY SYSTEMS.
- ELECTRICAL DRAWINGS (POWER AND LIGHTING) ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE. USE JUDGMENT AND CARE TO INSTALL ELECTRICAL WORK TO FUNCTION PROPERLY AND FIT WITHIN BUILDING CONSTRUCTION AND FINISHES. ALL CONDUITS, CONDUIT, AND MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED, WHICH ARE REQUIRED FOR A COMPLETE OPERATING DEVICE OR SYSTEM ARE REQUIRED TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR FINAL LOCATION OF ALL LIGHT FIXTURES AND CEILING TYPES. MAKE PROVISIONS FOR INSTALLATIONS IN FIRE RATED BARRIERS AS REQUIRED.
- ELECTRICAL CONTRACTOR SHALL VERIFY LOCATION OF ALL OUTLET ROUGH-INS WITH ARCHITECT'S MILLWORK, FURNITURE LAYOUT, MANUFACTURER'S SHOP DRAWINGS, OR AS MAY BE DETERMINED AT THE PROJECT SITE. DO NOT SCALE DRAWINGS FOR EXACT LOCATION OF DEVICES. FIELD VERIFY FINAL MOUNTING HEIGHTS AND LOCATIONS AS REQUIRED BY PROJECT CONDITIONS PRIOR TO ROUGH-IN.
- ALL DEVICES TO BE INSTALLED BY THIS TRADE SHALL BE COORDINATED WITH ALL TRADES (ARCHITECTURAL MILLWORK, MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, ETC) DURING CONSTRUCTION TO AVOID CONFLICT AND TO PROVIDE A QUALITY PROJECT. IF YOU NOTICE ANY DISCREPANCY BETWEEN THIS WORK AND A SEPARATE TRADE, NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. ANY COORDINATION WORK THAT OCCURS WITHOUT APPROVAL FROM THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL MOUNTING HEIGHTS SHALL BE CONFIRMED WITH ARCHITECTURAL ELEVATION FOR EACH ROOM.
- ROUTE ALL CONDUITS AND WIRING ABOVE CEILINGS, IN CHASES, OR CONCEALED WITHIN BUILDING STRUCTURE. SURFACE MOUNTED RACEWAYS OR CONDUIT SHALL ONLY BE PERMITTED AT LOCATIONS SPECIFIED ON THE DRAWINGS.
- PROVIDE TWO 3/4" CONDUITS FROM EACH TELEPHONE/DATA OUTLET TO THE NEAREST ACCESSIBLE CEILING CAVITY. ALL TELEPHONE/DATA OUTLETS SHALL BE 4" SQUARE BOXES WITH SINGLE GANG PLASTER FRAME. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATION AND HEIGHTS OF DEVICES PRIOR TO INSTALLATION. PROVIDE A PULL WIRE IN EACH CONDUIT AND BUSHINGS INSTALLED ON THE END OF THE CONDUIT. PROVIDE A BLANK COVER PLATE OVER ALL BOXES, COLOR TO MATCH ADJACENT ELECTRICAL OUTLETS.
- AT EACH THERMOSTAT SENSOR LOCATION, PROVIDE ONE 4" BOX WITH A 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING CAVITY. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF THERMOSTAT PRIOR TO ROUGH-IN. PROVIDE A PULL WIRE IN EACH CONDUIT AND BUSHINGS INSTALLED ON EXPOSED END OF THE CONDUIT.
- COORDINATE THE ELECTRICAL REQUIREMENTS FOR ALL PLUMBING FIXTURES (CIRCULATING PUMPS, WATER HEATERS, ETC.) WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. MAKE ALL FINAL ELECTRICAL CONNECTIONS NECESSARY TO PLUMBING EQUIPMENT PROVIDED BY OTHERS.
- COORDINATE ELECTRICAL REQUIREMENTS FOR ALL HVAC EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE ALL FEEDERS, DISCONNECTS, SERVICE RECEPTACLES, ETC. WHERE INTERFERENCE WITH AND MAINTENANCE OF MECHANICAL EQUIPMENT WILL NOT OCCUR. MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT AS REQUIRED.
- DUCT-MOUNTED SMOKE DETECTORS SHALL BE INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR. DUCT DETECTORS SHALL SHUT DOWN MECHANICAL EQUIPMENT UPON DETECTION OF SMOKE. DUCT DETECTORS SHALL BE FURNISHED AND WIRED BY THE FIRE ALARM CONTRACTOR WITH ELECTRICAL CONTRACTOR MAKING ALL FINAL CONNECTIONS. COORDINATE ALL WORK WITH MECHANICAL AND FIRE ALARM CONTRACTORS TO AVOID CONFLICTS.
- ALL EXIT LIGHT FIXTURES SHALL NOT BE SWITCHED. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE A "HOT" WIRE CONNECTION TO EMERGENCY BALLAST. PROVIDE EXIT AND EMERGENCY FIXTURES AS NECESSARY (EGRESS ROUTES, STAIRWELLS, MAIN ELECTRICAL CLOSET, OUTSIDE EXTERIOR EXIT DOORS, ETC.). ALL EXIT/EMERGENCY LIGHTS SHALL HAVE EMERGENCY BATTERY BACK-UP. AT EXTERIOR EMERGENCY LOCATIONS PROVIDE REMOTE EMERGENCY HEAD WITH INDOOR BATTERY SOURCE. MOUNT ALL EMERGENCY TEST SWITCHES IN OF EMERGENCY LIGHT FIXTURE.
- MC CABLE MAY BE USED FOR LIGHTING WHIPS OF LENGTHS LESS THAN 6'-0". MC CABLE IS NOT ALLOWED FOR USE IN WALLS TO DEVICES. EMT CONDUIT SHOULD BE USED WITHIN WALLS AND ABOVE CEILINGS TO EASE FUTURE CIRCUIT AND TECHNOLOGY UPGRADES.
- ELECTRIC WATER COOLER RECEPTACLE SHALL BE MOUNTED BEHIND ENCLOSURE. COORDINATE WITH ELECTRICAL WATER COOLER MANUFACTURER FOR EXACT MOUNTING HEIGHT. PROVIDE A GFCI BREAKER IN PANEL TO PROTECT THIS CIRCUIT.
- CONFLICTS BETWEEN LIGHT FIXTURES ILLUMINATION AND OBSTRUCTIONS OCCUR (SUCH AS CONDUIT, PIPING, DUCT & ECT), RIGIDLY MOUNT LIGHT FIXTURE 12" BELOW OBSTRUCTION.
- PROVIDE NEW LAMINATE LABELS AND TYPEWRITTEN CIRCUIT DIRECTORY FOR EVERY PANEL IDENTIFYING ALL CIRCUITS, SPARES & SPACES.

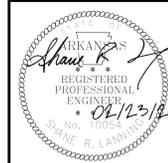


ELECTRICAL POWER DEMOLITION NOTES

- REMOVE EXISTING ELECTRICAL DEVICE. RE-ROUTE EXISTING CONDUIT & WIRING TO NEW LOCATION. REFER TO SHEET E1.1 FOR MORE INFORMATION.
- REMOVE EXISTING ELECTRICAL DEVICE, CONDUIT & WIRING FROM DEMOLISHED WALL.
- REMOVE EXISTING EXTERIOR ROOFTOP ELECTRICAL DEVICE & WIRING FROM DEMOLISHED PORTION OF ROOF.
- REMOVE EXISTING EXTERIOR SURFACE-MOUNTED ELECTRICAL DEVICES & WIRING FROM DEMOLISHED WALL.

1 ELECTRICAL DEMO PLAN

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



KEY ARCHITECTURE INC.

P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702
PH: 479.444.6066 FAX: 479.444.1445

PRELIMINARY NOT FOR CONSTRUCTION

Revision Schedule	Description
Rev. #	Date

NWA PEDIATRICS ADDITION
3730 S PINNACLE HILLS PKWY #3
ROGERS, AR 72758

MANA
3383 N MANA CT, SUITE 201
FAYETTEVILLE, AR 72703

DATE	DRAWN BY
Issue Date	Designer
PROJECT #	CHECKED BY
2438	Checker

SHEET
E3.1
ELECTRICAL NOTES & SCHEDULES

These Drawings and Specifications are the exclusive property of Key Architecture, Inc. and are protected by Copyright. Use or reproduction is prohibited without written consent.