

1 POWER PLAN - CLASSROOM BLDG. "A"
E1.02 1/8" = 1'-0"

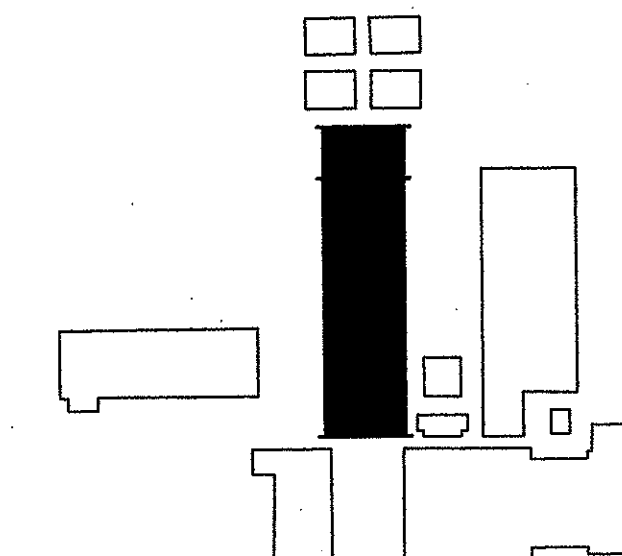
ELECTRICAL KEY NOTES

- ① ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) 12' LENGTH OF WIREMOLD 5400 TB (OR APPROVED EQUAL) TWO-COMPARTMENT, SURFACE MOUNTED NON-METALLIC RACEWAYS IN EACH CLASSROOM, AS INDICATED ON THE ELECTRICAL PLANS. PROVIDE A FLUSH MOUNTED OUTLET BOX ON EACH END OF THE RACEWAYS (ONE FOR FIBER CABLES AND ONE FOR POWER FEEDERS) TO EACH COMPARTMENT, INTO THE BACKSIDE OF THE SURFACE MOUNTED RACEWAYS. EACH RACEWAY SHALL BE FURNISHED COMPLETE WITH TWIN SNAP COVERS, CABLES & DEVICES AS FOLLOWS:

12' RACEWAY: FIVE (5) DUPLEX RECEPTACLES, FIVE (5) RJ45 CAT 6 FEMALE CONNECTORS, & FIVE (5) CAT-6 CABLES RUN IN 1" CONDUIT (RUN TO THE CORRIDOR - FROM OUTLET BOX TO BASKET TRAY) FOR EXTENSION TO THE TERMINAL BOARD. PROVIDE CAT 6 RATED CONNECTORS ON OPPOSITE CABLE END FOR CONNECTION AT THE SYSTEM TERMINAL BOARD. CABLES SHALL BE LABELED ON EACH END. PROVIDE TWO (2) RECEPTACLE BRANCH CIRCUITS AS INDICATED & ALTERNATE BRANCH CIRCUIT CONNECTIONS TO EACH DUPLEX RECEPTACLE.
- ② PTAC UNIT "A" (28.0 MCA, 208V, 1Ø)
3/4" CONDUIT WITH TWO (2) #10 AWG CONDUCTORS AND #10 AWG GROUND PROVIDE CORD, PLUG, AND RECEPTACLE TO MATCH NEMA CONFIGURATION. ALL ELECTRICAL CONDUIT TO THE PTAC UNIT SHALL BE ROUTED IN ELECTRICAL SUB-BASE. VERIFY INSTALLATION DETAILS.
- ③ TELEVISION OUTLETS SHALL BE WIRED TO THE CATV BACKBOARD USING A CABLE (MINIMUM RG-6) IN A CONCEALED RACEWAY. VERIFY EXACT MOUNTING HEIGHTS FOR THE OUTLETS AND RECEPTACLES. AN ADDITIONAL COMPUTER OUTLET SHALL BE INSTALLED UNDERNEATH THE TEACHERS DESK. AN EMPTY 3/4" CONDUIT SHALL CONNECT THIS OUTLET TO THE TV OUTLET FOR FUTURE INTERCONNECTION OF THE TV TO THE COMPUTER SYSTEM.
- ④ PROVIDE JUNCTION BOX ABOVE THE CEILING AND PROVIDE A FLUSH MOUNT RECEPTACLE FOR CONNECTIONS TO INTERACTIVE BOARD. (120V, 1Ø)
- ⑤ ROOF TOP UNIT NO.1 (78.5 FLA, 208V, 3Ø)
100A FUSIBLE DISCONNECT SWITCH, 3Ø, 3W, 250V, NEMA 1, FUSED AT 100A
1 1/4" CONDUIT WITH THREE (3) #3 AWG CONDUCTORS & #8 AWG GROUND.
- ⑥ ROOF TOP UNIT NO.2 (200.8 FLA, 208V, 3Ø)
400A FUSIBLE DISCONNECT SWITCH, 3Ø, 3W, 250V, NEMA 1, FUSED AT 250A
3" CONDUIT WITH THREE (3) #250 KCMIL CONDUCTORS & #4 AWG GROUND.
- ⑦ ROOF TOP UNIT NO.3 (70.2 FLA, 208V, 3Ø)
100A FUSIBLE DISCONNECT SWITCH, 3Ø, 3W, 250V, NEMA 1, FUSED AT 100A
2 1/2" CONDUIT WITH THREE (3) #3 AWG CONDUCTORS & #8 AWG GROUND.
- ⑧ ROOF TOP UNIT NO.4 (45.0 FLA, 208V, 3Ø)
60A FUSIBLE DISCONNECT SWITCH, 3Ø, 3W, 250V, NEMA 1, FUSED AT 60A
1" CONDUIT WITH THREE (3) #6 AWG CONDUCTORS & #10 AWG GROUND.
- ⑨ ELECTRIC HEATER (13.9 MCA, 208V, 3Ø)
30A FUSIBLE DISCONNECT SWITCH, 3Ø, 3W, 250V, NEMA 1, FUSED AT 20A
3/4" CONDUIT WITH THREE (3) #10 AWG CONDUCTORS & #10 AWG GROUND.
- ⑩ ELECTRIC WATER HEATER WH-A (6 KW, 208V, 1Ø)
60A FUSIBLE DISCONNECT SWITCH, 1Ø, 3W, 250V, NEMA 1, FUSED AT 40A
3/4" CONDUIT WITH TWO (2) #8 AWG CONDUCTORS & #10 AWG GROUND.
- ⑪ ALL CEILING MOUNTED DEVICE LOCATIONS SHALL BE COORDINATED WITH CEILING GRID IN CORRIDOR 100. SEE ARCHITECTURAL REFLECTED CEILING AND SECTION PLANS FOR DETAILS.
- ⑫ IDF DISTRIBUTION CABINET (20A, 120V DEDICATED CIRCUIT)
- ⑬ CONTRACTOR SHALL PROVIDE AND INSTALL A CABLE TRAY SYSTEM DOWN THE ENTIRE LENGTH OF THE CORRIDOR TO ABOVE THE IDF CABINET IN ELEC. ROOM 109. PROVIDE TRANSITS AS NECESSARY THROUGH FIRE RATED WALLS.
- ⑭ FIRE ALARM SYSTEM POWER SUPPLY (20A, 120V, 1Ø DEDICATED OUTLET).
- ⑮ 3/4" CONDUIT WITH THREE (3) #10 AWG CONDUCTORS & #10 AWG GROUND.
- ⑯ HAND DRYER (20A, 120V)
- ⑰ ELECTRIC RANGE (240V, 1Ø) CONTRACTOR SHALL INSTALL A 50A, 4 WIRE (NEMA 14-50R) RECEPTACLE AND A 4 WIRE, 250V, 40A RANGE CORD THAT IS AT LEAST 4' LONG. CONTRACTOR SHALL MAKE FINAL TERMINATIONS TO THE EQUIPMENT. VERIFY EXACT SPECIFICATIONS WITH THE EQUIPMENT VENDOR PRIOR TO INSTALLATION OF THE ELECTRICAL SYSTEMS.
- ⑱ CONTRACTOR SHALL PROVIDE ELECTRICAL CONNECTIONS FOR THE RANGE HOODS. VERIFY INSTALLATION DETAILS WITH EQUIPMENT VENDOR PRIOR TO THE INSTALLATION.
- ⑲ PROVIDE DEDICATED 120V/20A CIRCUIT FOR REFRIGERATOR.
- ⑳ PROVIDE DEDICATED 120V/20A FOR MICROWAVE. VERIFY SPECIFICATIONS AND EXACT MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO INSTALLATION.
- ㉑ PROVIDE 120V POWER FOR DISHWASHER.
- ㉒ ELECTRIC CLOTHES DRYER.
PROVIDE APPLIANCE CORD FOR THE CONNECTION OF THE DRYER.
- ㉓ PROVIDE DEDICATED 120V/20A CIRCUIT FOR WASHING MACHINE.
- ㉔ ELECTRIC WATER HEATER WH-B (1.5KW, 208V, 1Ø)
3/4" CONDUIT WITH TWO (2) #10 AWG CONDUCTORS AND #10 AWG GROUND PROVIDE CORD, PLUG, AND RECEPTACLE TO MATCH NEMA CONFIGURATION. ALL ELECTRICAL CONDUIT TO THE PTAC UNIT SHALL BE ROUTED IN ELECTRICAL SUB-BASE. VERIFY INSTALLATION DETAILS.
- ㉕ ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) 24' LENGTH OF WIREMOLD 5400 TB (OR APPROVED EQUAL) TWO-COMPARTMENT, SURFACE MOUNTED NON-METALLIC RACEWAYS IN HOME ECONOMICS CLASSROOM, AS INDICATED ON THE ELECTRICAL PLANS. STRIP SHALL BE MOUNTED BELOW THE COUNTERTOP. VERIFY DETAILS WITH THE ARCHITECT PRIOR TO INSTALLATION. PROVIDE A FLUSH MOUNTED OUTLET BOX ON EACH END OF THE RACEWAYS (ONE FOR FIBER CABLES AND ONE FOR POWER FEEDERS) TO EACH COMPARTMENT, INTO THE BACKSIDE OF THE SURFACE MOUNTED RACEWAYS. EACH RACEWAY SHALL BE FURNISHED COMPLETE WITH TWIN SNAP COVERS, CABLES & DEVICES AS FOLLOWS:

24' RACEWAY: SIXTEEN (16) DUPLEX RECEPTACLES, FIVE (5) RJ45 CAT 6 FEMALE CONNECTORS, & FIVE (5) CAT-6 CABLES RUN IN 1" CONDUIT (RUN TO THE CORRIDOR - FROM OUTLET BOX TO BASKET TRAY) FOR EXTENSION TO THE TERMINAL BOARD. PROVIDE CAT 6 RATED CONNECTORS ON OPPOSITE CABLE END FOR CONNECTION AT THE SYSTEM TERMINAL BOARD. CABLES SHALL BE LABELED ON EACH END. PROVIDE TWO (2) RECEPTACLE BRANCH CIRCUITS AS INDICATED & ALTERNATE BRANCH CIRCUIT CONNECTIONS TO EACH DUPLEX RECEPTACLE.
- ㉖ MAKE FINAL ELECTRICAL CONNECTIONS TO WATER CLOSET ELECTRONIC INFARRED SENSORS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. PROVIDE DISCONNECTING MEANS PER THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND IF NECESSARY PROVIDE SECONDARY FUSING ON TRANSFORMER.
- ㉗ ROOF TOP UNIT DISCONNECTS SHALL BE MOUNTED TO THE UNIT AND THE FEEDERS SHALL BE ROUTED THROUGH THE CURB. VERIFY DETAILS WITH MECHANICAL ENGINEER BEFORE INSTALLATION.
- ㉘ 3/4" CONDUIT WITH TWO (2) #10 AWG CONDUCTORS AND #10 AWG GROUND.

KEY PLAN



drake engineering
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RENOVATIONS AND ADDITION TO CLASSROOM BUILDINGS TO CLASSROOM BUILDINGS FOLSOM JR. HIGH SCHOOL ST. TAMMANY PARISH SCHOOL BOARD
 FOLSOM, LOUISIANA
 83055 HAY HOLLOW ROAD

DATE ISSUED:	10 JUNE 2009
REVISED:	
REVISED:	
REVISED:	
REVISED:	
DRAWN BY:	TPD, MBK
CHECKED BY:	RCO
PHASE:	

CONSTRUCTION DOCUMENTS

08060

TITLE:
POWER PLAN CLASSROOM BLDG. "A"

SHEET:
E1.02