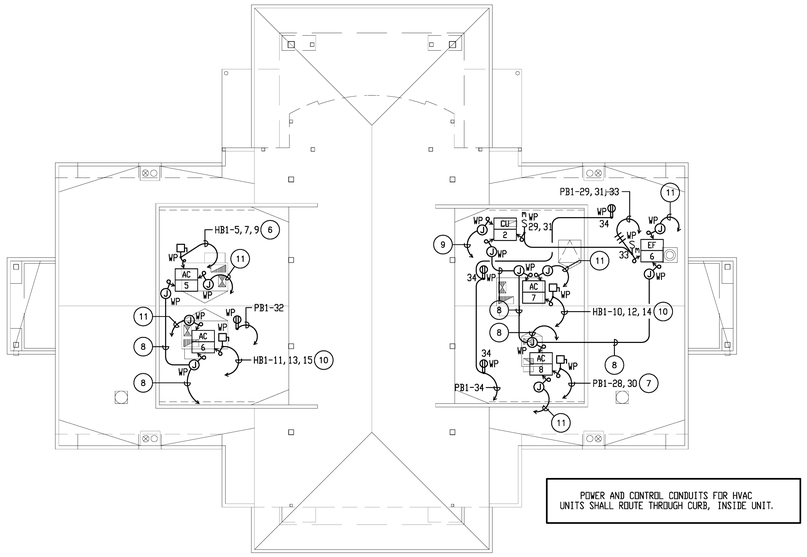
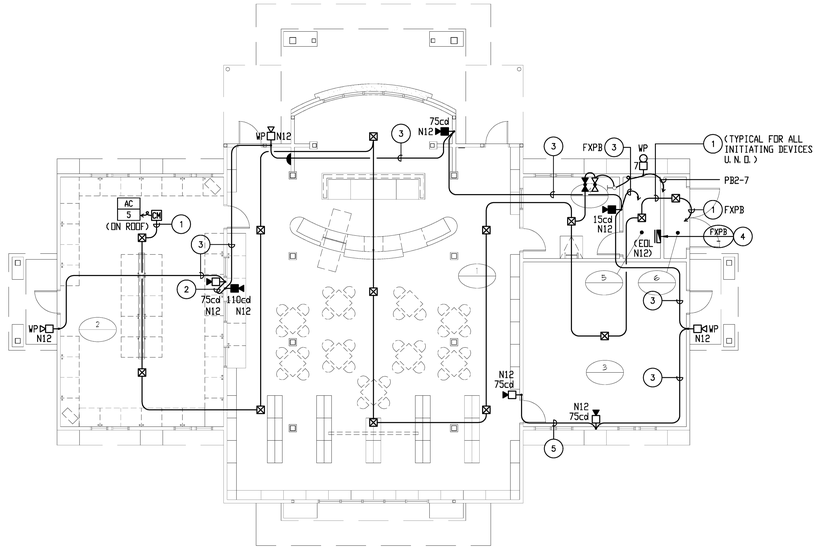


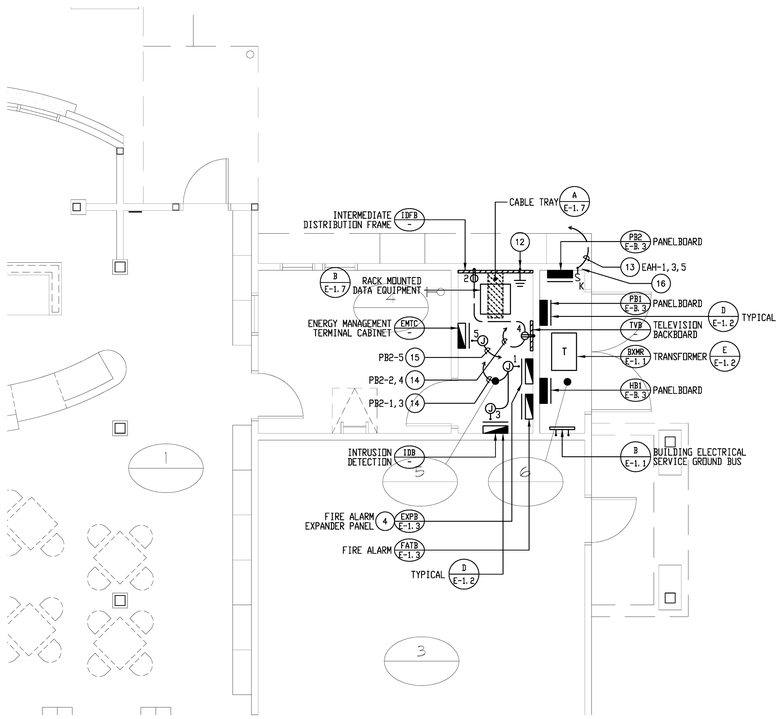
ROOF ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"



FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"



ENLARGED ELECTRICAL ROOMS

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

PLAN NOTES:

1. PROVIDE 2#14 TSP (INITIATING) - 3/4"C.
2. PROVIDE 2#12 (NOTIFICATION) - 3/4"C.
3. PROVIDE 4#12 (NOTIFICATION) - 3/4"C.
4. PROVIDE 24"W X 24"H X 6"D TERMINAL CABINET FOR FIRE ALARM SYSTEM.
5. PROVIDE 8#12 (NOTIFICATION) - 3/4"C.
6. PROVIDE 3#10, 1#10 GRD. - 3/4"C.
7. PROVIDE 2#10, 1#10 GRD. - 3/4"C.
8. PROVIDE 3/4"C.O. TO 'EMTC'.
9. PROVIDE 3/4"C. FOR INTERLOCKING CONTROL WIRING DOWN TO RESPECTIVE FAN COIL UNIT.
10. PROVIDE 3#12, 1#12 GRD. - 3/4"C.
11. PROVIDE 3/4"C. FOR CONTROL WIRING DOWN TO THERMOSTAT.
12. PROVIDE 1#6 GRD. - 1 1/4"C. TO BUILDING ELECTRICAL SERVICE GROUND BUS.
13. PROVIDE 6#12, 1#12 GRD. - 1 1/4"C.
14. PROVIDE 4#12, 1#12 GRD. - 3/4"C. PROVIDE SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT INDICATED. CONTINUE THE GROUND WIRE THROUGH THE ENTIRE CIRCUIT LENGTH.
15. PROVIDE 2#12, 1#12 GRD. - 1/2"C.
16. PROVIDE THREE(3) KEY OPERATED SWITCHES UNDER COMMON COVERPLATE FOR DISCONNECTING MEANS OF BUILDING B EMERGENCY LIGHTING. SWITCHES AND COVERPLATE SHALL BE RED IN COLOR. ENGRAVE SWITCH COVERPLATE TO READ: 'EMERG. LTG.'
17. PROVIDE 2" CONDUIT TO THE ENERGY MANAGEMENT TERMINAL CABINET. COORDINATE INSTALLATION OF LIGHTING CONROLS, RELAYS ETC. WITH THE EMS INSTALLER AND IN ACCORDANCE WITH DIVISION 15 SPECIFICATIONS.

MECHANICAL EQUIPMENT GENERAL NOTES:

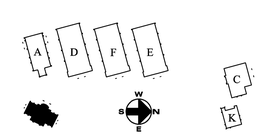
1. VERIFY EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION OF CONDUIT.
2. ALL EQUIPMENT, DEVICES, SAFETY SWITCHES, JUNCTION BOXES CONNECTIONS, ETC. MOUNTED ON THE ROOF OR EXTERIOR SHALL BE WEATHERPROOF.
3. REFER TO MECHANICAL DRAWING CONTROL DIAGRAM FOR ALL SENSORS, TIME CLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT AND PROVIDE AS REQUIRED.
4. SAFETY SWITCHES SHALL BE HORSEPOWER RATED WITH CURRENT LIMITING FUSES, SIZED PER THE MANUFACTURER'S RECOMMENDATION. SWITCHES SHALL HAVE "RK-1" FUSE REJECTION CLIPS.
5. ELECTRICAL PLANS DO NOT INDICATE MECHANICAL AND PLUMBING EQUIPMENT CONTROL. REFER TO MECHANICAL AND PLUMBING PLANS AND SPECIFICATIONS AND PROVIDE ALL CONDUIT, WIRE, J-BOXES, OUTLET BOXES, RELAY SWITCHES, TIMESWITCHES, CONTROL CIRCUITS, ETC. REQUIRED FOR A COMPLETE AND OPERABLE MECHANICAL AND PLUMBING INSTALLATION. ALL WIRE SHALL BE INSTALLED IN CODE SIZED CONDUIT.
6. LOCATIONS OF SAFETY SWITCHES AND CONNECTIONS FOR MECHANICAL AND PLUBING EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. VERIFY ACTUAL LOCATIONS WITH EQUIPMENT SHOP DRAWINGS AND LOCATE SAFETY SWITCHES LOCATED TO PROVIDE CODE REQUIRED CLEARANCES AND ACCESS. SAFETY SWITCHES LOCATED ON THE ROOF SHALL BE MOUNTED 30" MINIMUM ABOVE THE ROOF. IF THE MOUNTING OF SWITCHES DIRECTLY TO MECHANICAL EQUIPMENT IS NOT POSSIBLE, PROVIDE ANGLE IRON SUPPORT BRACKETS BOLTED TO THE ROOF FRAMING.

ROOM TITLES

- ONE-HOUR SEPARATION

1. LIBRARY / MEDIA CENTER
2. CLASSROOM / COMPUTER LAB
3. R.S.P.
4. OFFICE
- 5. DATA ROOM
- 6. ELECTRICAL

KEYPLAN



LICENSED ARCHITECT JAMES M. STUCKEY C19098 RENEWAL 02/28/ STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER STEPHEN R. ZAJAC No. E 10272 Exp. 06-30-12 ELECTRICAL STATE OF CALIFORNIA

FBA Engineering
Consulting Electrical Engineers
3420 Irvine Avenue, Suite 200
Newport Beach, California 92660
TEL: 949 660 0500 FAX: 949 660 0507
EMAIL: fba@fbaengineering.net
FBA # 270.082

REVISIONS	DATE
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P S W C GROUP
ARCHITECTS / PLANNERS
1867 BUSINESS CENTER DR., SUITE 3, SAN BERNARDINO, CA. 92408
909/890-2233 FAX. 909/890-2844

ROOSEVELT II
ELEMENTARY SCHOOL
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
1261 W. 16TH STREET, SAN BERNARDINO, CA.

BUILDING B
FIRE ALARM AND
ROOF ELECTRICAL PLAN

JOB NO. P630
DRAWN BY FBA
DATE 12/9/2011

E-B.2

RE-BID #F09-02 ROOSEVELT II (HENRY) E.S. NEW CONSTRUCTION BID ISSUANCE SET 12/09/11