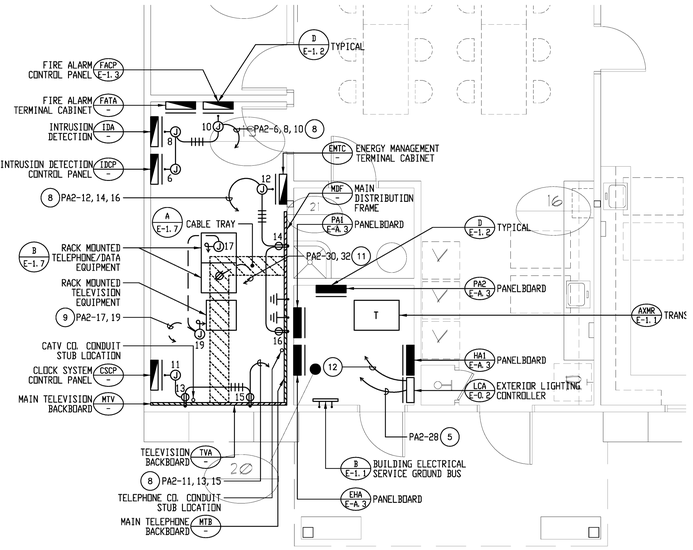
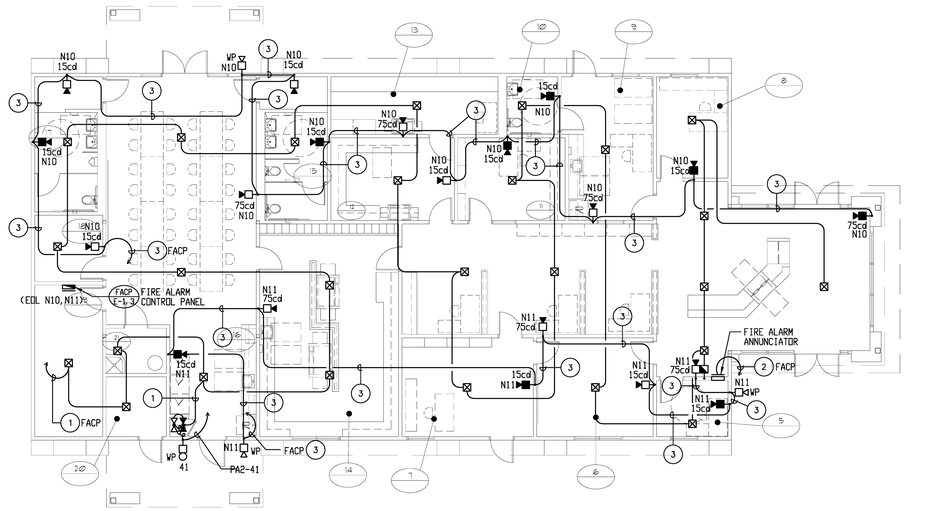


ENLARGED ELECTRICAL ROOMS

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

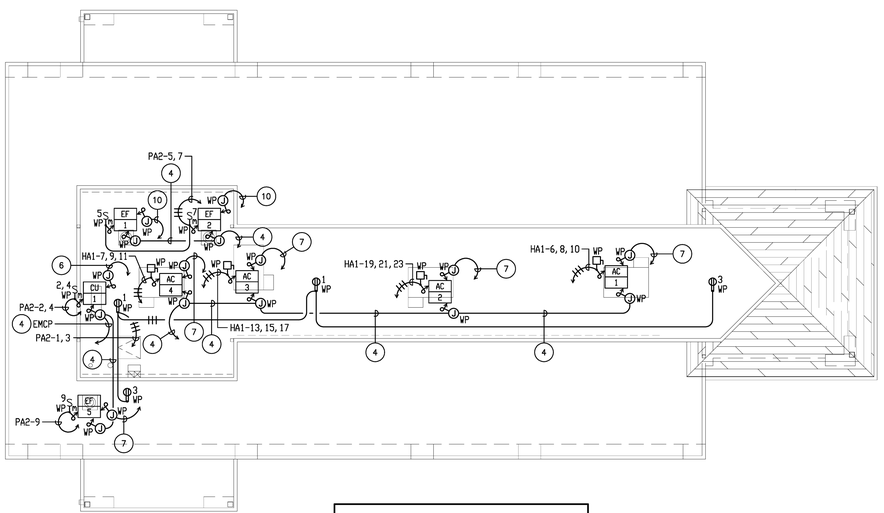
B



FIRE ALARM PLAN

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

A



POWER AND CONTROL CONDUITS FOR HVAC UNITS SHALL ROUTE THROUGH CURB, INSIDE UNIT.

ROOF ELECTRICAL PLAN

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

C

PLAN NOTES:

1. PROVIDE 2#14 TSP (INITIATING) - 3/4"C.
2. PROVIDE 3/4"C. WITH FIRE ALARM ANNUNCIATOR CABLING IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.
3. PROVIDE 4#12 (NOTIFICATION) - 3/4"C.
4. PROVIDE 3/4"C.D. TO 'EMTC'.
5. PROVIDE 2#12, 1#12 GRD. - 1/2"C.
6. PROVIDE 3/4"C. FOR INTERLOCKING CONTROL WIRING DOWN TO RESPECTIVE FAN COIL UNIT.
7. PROVIDE 3/4"C. WITH CONTROL WIRING DOWN TO THERMOSTAT.
8. PROVIDE 6#12, 1#12 GRD. - 3/4"C. PROVIDE SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT INDICATED. CONTINUE THE GROUND WIRE THROUGH THE ENTIRE LENGTH OF CIRCUIT.
9. PROVIDE 4#12, 1#12 GRD. - 3/4"C. PROVIDE SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT INDICATED. CONTINUE THE GROUND WIRE THROUGH THE ENTIRE LENGTH OF CIRCUIT.
10. PROVIDE 3/4"C. FOR INTERLOCKING CONTROL WIRING TO RESPECTIVE HVAC UNIT.
11. PROVIDE 2#10, 1#10 GRD. - 3/4"C.
12. 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:

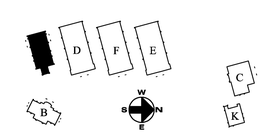
1. VERIFY EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION OF CONDUIT.
2. ALL EQUIPMENT, DEVICES, SAFETY SWITCHES, JUNCTION BOXES CONNECTIONS, ETC. MOUNTED ON THE ROOF OR EXTERIOR SHALL BE WEATHERPROOF.
3. REFER TO MECHANICAL DRAWING CONTROL DIAGRAM FOR ALL SENSORS, 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. RECEPTION
2. CLERKS
3. CLERKS
4. OFFICE MANAGER
5. PTA OFFICE
6. CONFERENCE
7. PRINCIPAL
8. OFFICE
9. CLINIC
10. UNISEX TOILET
11. VICE PRINCIPAL
12. WORKROOM
● 13. OFFICE / VAULT
14. WORKROOM
15. WOMENS TOILET
16. LOUNGE
17. MENS TOILET
18. OFFICE
● 19. HEAD END/ DATA/ MDF
● 20. ELECTRICAL
● 21. CUSTODIAN

KEYPLAN



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

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2	- - -
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4	- - -
5	- - -
6	- - -

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

BUILDING A
FIRE ALARM AND
ROOF ELECTRICAL PLAN

JOB NO.	DATE
P520	12/9/2011
DRAWN BY FBA	

E-A.2

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