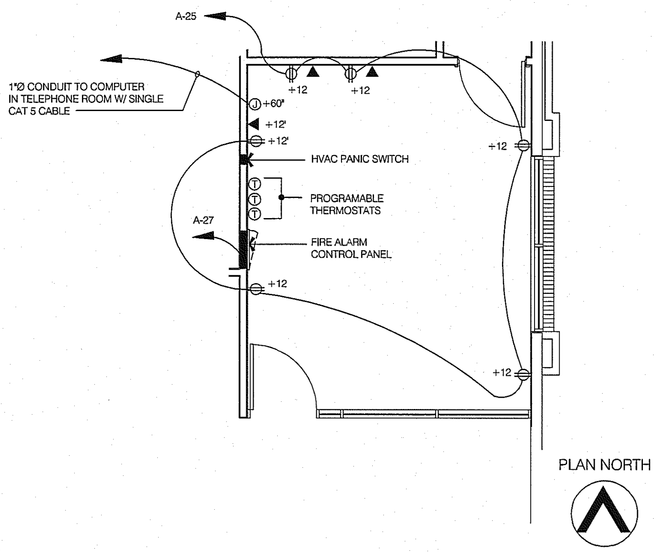
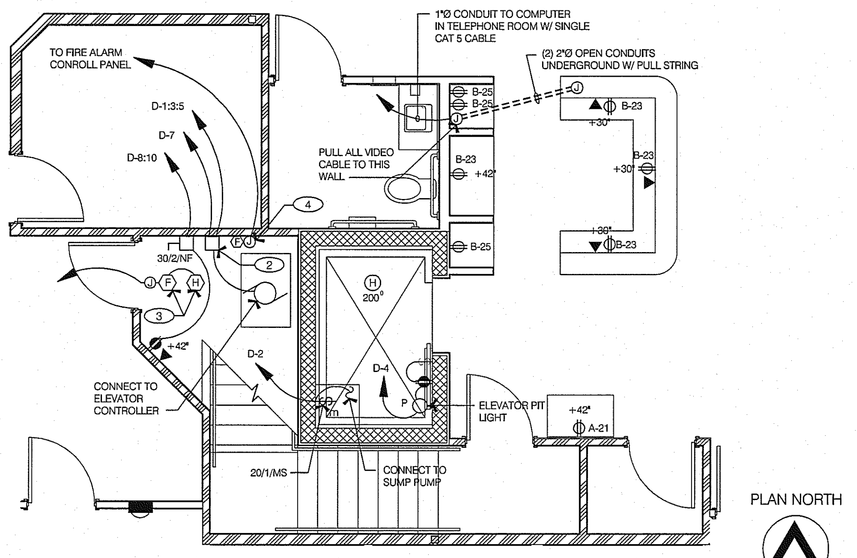
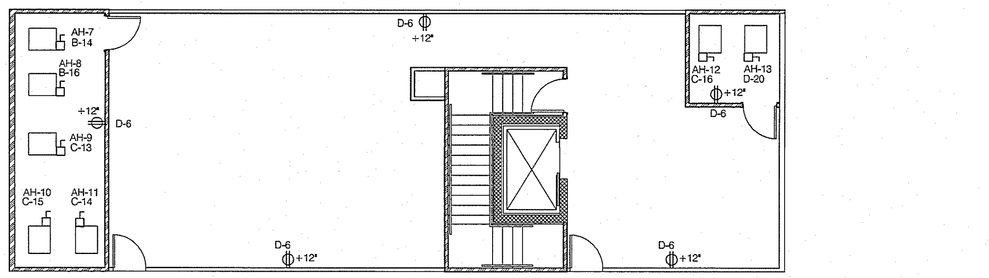


ENLARGED PLAN SCALE: 1/4" = 1'-0" | 8



ENLARGED PLAN SCALE: 1/4" = 1'-0" | 7



ATTIC POWER PLAN SCALE: 1/8" = 1'-0" | 6

KEY NOTE No.	DESCRIPTION OF WORK
1	ELECTRICAL PANELS
2	PROVIDE 125A/3P CIRCUIT BREAKER IN NEMA 3R ENCLOSURE. PROVIDE 120 VOLT SHUNT TRIP WITH ADJUSTABLE TIME DELAY FOR ACTIVATION BY SMOKE DETECTOR IN ELEVATOR EQUIPMENT ROOM. CIRCUIT BREAKER WILL SHUNT TRIP AFTER REQUIRED TIME ON SMOKE CONDITION IN ROOM. PROVIDE INTERNAL AUXILLARY CONTACT TO INTERLOCK CIRCUIT BREAKER WITH ELEVATOR CONTROLS. COORDINATE ALL REQUIREMENTS WITH LOCAL AUTHORITIES HAVING JURISDICTION.
3	JUNCTION BOX ON WALL FOR CONNECTION TO SPRINKLER SOLENOID SWITCH. SOLENOID SWITCH SHALL BE ACTIVATED THRU 20A STERILE CONTACT IN DETECTION HEAD.
4	JUNCTION BOX AT 48" A.F.F. EXTEND HOMERUN TO FIRE ALARM CONTROL PANEL FOR ELEVATOR INTERLOCK.
5	LOCATE INSIDE SHELL OF WATER HEATER
6	TELEPHONE OR COMPUTER EQUIPMENT BACKBOARD - 4'-0"x 8'-0" x 3/4" EXTERIOR GRADE A/D PLYWOOD BOLTED TO WALL OR STRUCTURE. PAINT (2) COATS GRAY ENAMLE. PROVIDE (1) #6-CU EQUIP. GROUND CONDUCTOR TO COLD WATER PIPE CONNECTION AT SAME LOCATION AS COLD WATER PIPE BOND CONNECTION TO GROUND BUS IN MAIN PANEL. PROVIDE WITH DUPLEX RECEPTACLE AT LOWER RIGHT CORNER OF BACKBOARD (OR AS SHOWN ON PLAN).

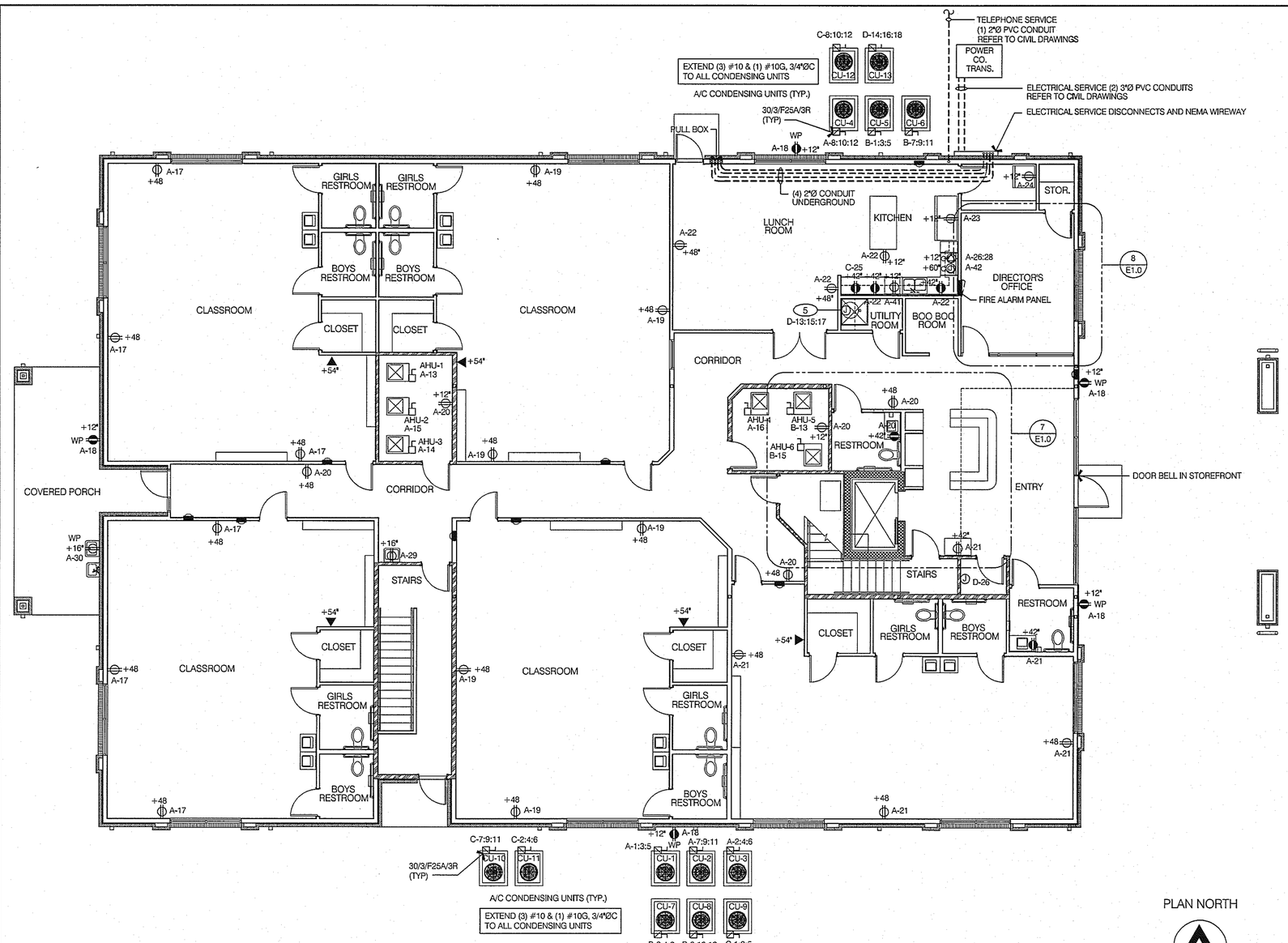
KEY NOTES N.T.S. | 5

- JUNCTION BOX
- WALL MOUNTED JUNCTION BOX
- TELEPHONE OUTLET
- DEDICATED GROUNDED OUTLET
- DUPLEX GROUNDED OUTLET
- DOUBLE DUPLEX GROUNDED OUTLET
- GROUND FAULT DUPLEX OUTLET
- SPECIAL PURPOSE OUTLET
- RECESSED FLOOR DUPLEX OUTLET IN CAST BOX
- ELECTRICAL MOTOR
- R — RELAY
- SMOKE DETECTOR
- WP — WEATHERPROOF
- GF — GROUND FAULT
- ELECTRICAL PANEL
- C — CONNECTION TO EQUIPMENT
- FUSIBLE DISCONNECT SWITCH WITH STARTER
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- SINGLE POLE, SINGLE THROW TOGGLE SWITCH
- 3 — THREE WAY LIGHT SWITCH
- M — MOTOR RATED SWITCH

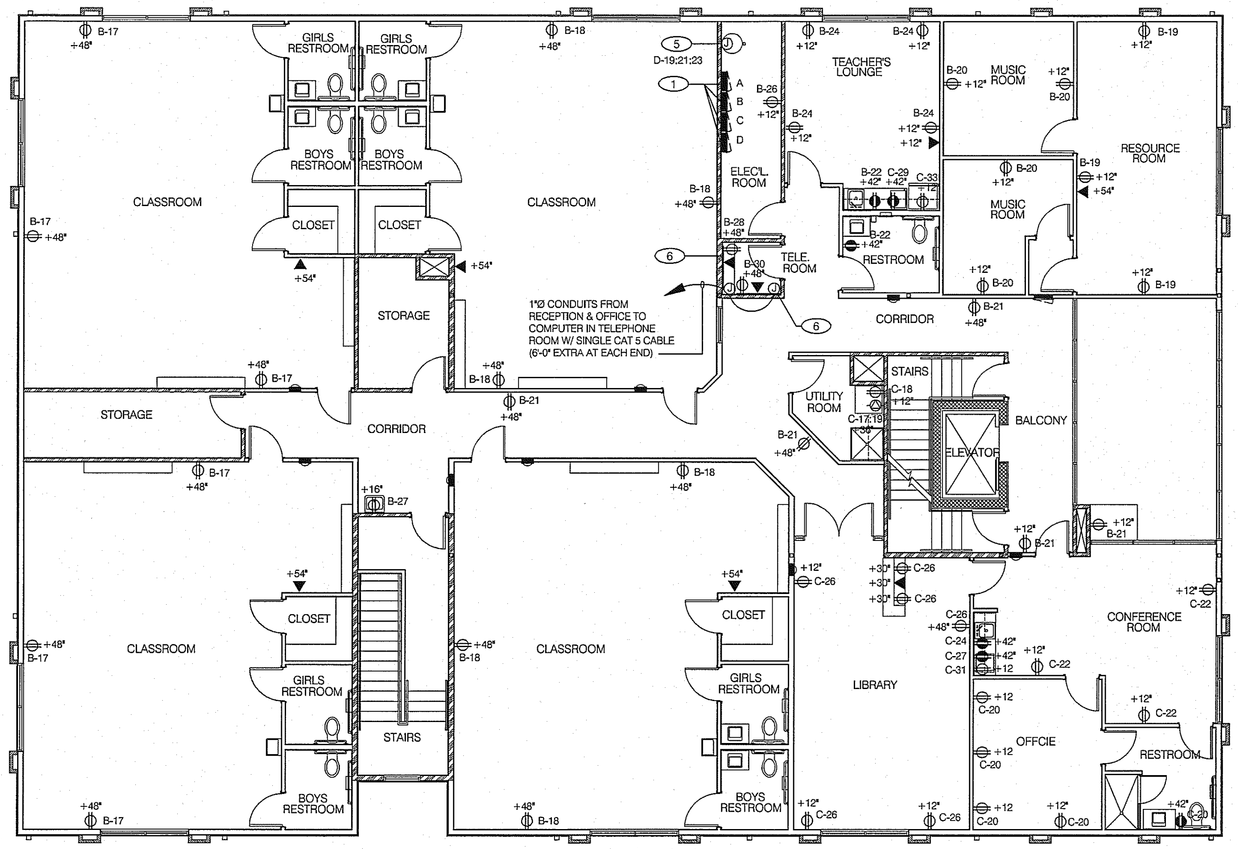
ELECTRICAL LEGEND N.T.S. | 4

1. THE SCOPE OF THE ELECTRICAL WORK INCLUDES FURNISHING, INSTALLING AND TESTING ALL ELECTRICAL SYSTEMS TO ENSURE A COMPLETE AND FULLY OPERABLE INSTALLATION. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE LATEST VERSION OF ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. ALL OUTLETS AND J-BOXES ARE MOUNTED 12" A.F.F. UNLESS NOTED OTHERWISE. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE. WALL SWITCHES SHALL BE NO LESS THAN 36" NOR MORE THAN 48" A.F.F.
3. ALL CONDUIT DROPS ARE INSIDE WALLS U.N.O. SEE ARCHITECTURAL DRAWING FOR WALL DIMENSIONS.
4. ANY CONDUIT THROUGH PENETRATIONS IN FIRE RATED WALLS, FLOORS OR CEILINGS SHALL BE FIRE SEALED WITH U.L. LISTED MATERIALS - REFER TO SHEET FS1.0..
5. POWER LAYOUTS SHOWN ARE INTENDED TO INDICATE DESIRED LOCATIONS AND ARE NOT INTENDED TO INDICATE CIRCUITING. ELECTRICAL CONTRACTOR TO COORDINATE WITH OWNER'S FURNITURE LAYOUT.
6. THE ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENTS FOR ALL FURNITURE & EQUIPMENT PRIOR TO ANY WORK BEING PERFORMED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE NECESSARY ISOLATED GROUND WIRE FOR EQUIPMENT ACCORDING TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
7. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL POWER, LIGHTING, LOW VOLTAGE CIRCUITS, AND PANELBOARDS.
8. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL REQUIRED COPPER BUSSING AND WIRING.
9. THE ELECTRICAL CONTRACTOR SHALL LEGIBLY LABEL ALL CIRCUIT BREAKERS IN PANELBOARDS.
10. THE ELECTRICAL CONTRACTOR SHALL SIZE AND PROVIDE ALL ELECTRICAL JUNCTION BOXES, PULL BOXES AND CONVENIENCE OUTLETS.
11. ALL WIRING SHALL BE INSTALLED BY AN ELECTRICIAN LICENSED IN THE JURISDICTION OF THE PROJECT. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE LATEST EDITIONS OF NATIONAL, STATE AND LOCAL CODES.
12. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.
13. ALL WIRING MATERIALS AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), LOCAL CODES, AND RULES AND REGULATIONS OF THE LOCAL AUTHORITY.
14. ALL MATERIALS SHALL BE UNDERWRITERS LABORATORIES (UL) LABELED OR LISTED.
15. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER, TYPE THWN OR BETTER, OF #12 AWG MIN., IN 1/2"Ø CONDUIT MIN.
16. ALL WIRING SHALL BE IN CONDUIT, (PVC BELOW SLAB; EMT, ENT, AND/OR MC IN WALLS AND CEILINGS).
17. TELEPHONE JACK CONDUITS SHALL EXTEND ABOVE CEILING ONLY. STRAP PHONE WIRING TO TRUSSES FOR HOMERUNS.
18. NO OUTLET BOXES SHALL BE PLACED BACK-TO-BACK.
19. PROVIDE LIGHTING CONTACTORS AT PANELS FOR ALL CEILING LIGHTS WITH GANG SWITCH FOR CONTROL AT ENTRY. ALL ROOMS SHALL HAVE A WALL SWITCH UPSTREAM FROM THE RELAYS TO CUT LIGHTS OFF AND ON AS DESIRED. UTILITY ROOM, ATTIC AREA AND ENTRY LIGHTS SHALL BE EXCLUDED FROM LIGHTING RELAYS. OUTSIDE LIGHTS SHALL BE PHOTO CELL CONTROLED.
20. ALL BREAKERS USED TO SWITCH CIRCUITS SHALL BE 'SWD' SWITCH DUTY BREAKERS.
21. PANELBOARDS SHALL BE SURFACE MOUNTED ON FIRE RATED WALLS.
22. SEAL ALL CONDUITS ENTERING THE BUILDING FROM BELOW GRADE WITH INSULATING ELECTRICAL PUTTY TO PREVENT ENTRANCE OF MOISTURE.
23. DEVICE COVERS SHALL BE 'CHILD PROOF' COMMERCIAL GRADE, HEAVY DUTY TYPE WITH SMOOTH SURFACE.
24. ALL EXPOSED ELECTRICAL DEVICES AND COVERS SHALL BE WHITE.
25. PROVIDE POWER DISCONNECTS AT ALL A/C CONDENSING UNITS.
26. ALL EXIT LIGHTS TO FEED THRU RELAY IN FIRE ALARM CONTROL UNIT. EXIT SIGNS MUST BLINK ON ALARM.
27. FIRE ALARM CONDUITS SHALL EXTEND ABOVE CEILING ONLY. STRAP ALARM WIRING TO TRUSSES FOR HOMERUNS.
28. ALL SMOKE DETECTORS SHALL FEED THRU FIRE ALARM CONTROL UNIT, INCLUDING SMOKE DETECTORS INSTALLED IN MAIN SUPPLY AIR DUCT OF EACH A/C FURANCE UNIT.
29. ALL SMOKE DETECTORS SHALL BE (MIN.) 36" AWAY FROM HVAC SUPPLY AIR DSFFUSERS OR RETURN AIR GRILLES.
30. FIRE ALARM SYSTEM SUBCONTRACTOR SHALL SUMIT COPY OF SYSTEM SHOP DRAWINGS AND EQUIPMENT TO BUILDING OFFICAL/FIRE MARSHAL FOR REVIEW PRIOR TO INSTALLATION. INFORMATION SHALL SHOW TYPE OF ACTIVATION, PULL STATIONS, SMOKE/HEAT DETECTORS, HORNS/STROBES, FIRE ALARM CONTROL PANEL, ETC., PER NFPA #72A AND 101.
31. FIRE ALARM SYSTEM SHALL PROVIDE DIRECT NOTIFICATION TO THE LOCAL FIRE DEPARTMENT.
32. VIDEO AND SECURITY SYSTEM DESIGN REQUIREMENTS SHALL BE COORDINATED AND APPROVED BY OWNER.
33. STRAP SECURITY WIRING TO TRUSSES FOR HOMERUN.
34. ELECTRICAL CONTRCTOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL THE FOLLOWING MANUFACTURERS TECHNICAL CUT SHEETS AND/OR SHOP DRAWINGS. THEIR APPROVAL SHALL BE SECURED BEFORE ITEMS IN QUESTIONS ARE ORDERED, BUILT, OR INSTALLED. SUBMIT (4) COPIES, AND ALL ITEMS SHALL BE TAGGED AS PER THE DRAWINGS.
LIGHT FIXTURES
PANELBOARDS

GENERAL NOTES N.T.S. | 3



GROUND FLOOR POWER PLAN SCALE: 1/8" = 1'-0" | 1



SECOND FLOOR POWER PLAN SCALE: 1/8" = 1'-0" | 2

dennis j. dubey, architect
6327 Point Twenty Two
Gainesville, Georgia 30506
Phone (770) 297-7744
Fax (770) 297-9760
E-Mail: djdarch@bellsouth.net

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PROJECT LOCATION

3034 OLD ATLANTA ROAD
CUMMING, GA 30041

Montessori Kids Academy

REVISIONS

ELECTRIC POWER PLANS

DATE	PROJECT No.
8-17-09	29001

SHEET No.

E1.0