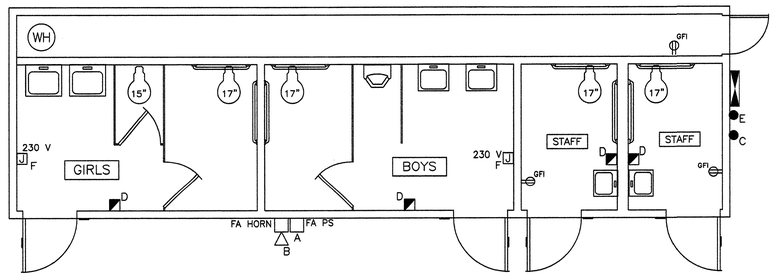

1 / E2 ELECTRICAL PLAN
1/4" = 1'-0"

BUILDING ELECTRICAL & FIRE ALARM STANDARDS:

1. All electrical wiring shall be in E.M.T. No romex wire shall be allowed.
2. All junction boxes for the fire alarm system components shall be 4/s and single gang ring.
3. All conduits from 1" stub to junction boxes for fire alarm components shall be 3/4" E.M.T.
4. Student restrooms shall have keyed switches.
5. Adult restrooms shall have standard switches.
6. Provide at least 3 lights for plumbing chase. No pull string activated fixtures allowed. Lights shall be wired to standard switch.

A– Fire Alarm pull station – Install at +48" from floor.
B– Exterior Fire Alarm Horn – Install at +90" from floor.
C– J–Box only (Fire Alarm tie–in) Install 4/S box, 2 gang ring with 1" conduit above ceiling. Tie to 3/4" conduits as shown on plan.
D– 4/S J–Box for fire Alarm strobe light.
E– Electrical service tie–in location.
F– J–Box mounted at +36" with 230 power for District supplied hand dryers.
G– Exterior energy saving light fixture. Standard switch located in plumbing chase. Identify switch as such.
H– 6 gallon 120 volt electric water heater. Mount on wall as high as possible with DSA approved platform and safety straps.

FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/– SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18".
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J–BOXES ABOVE T–BAR CEILING #1–4"X1", #22 4"X2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18". HOSPITAL GRADE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- NOTE BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, –III– 3#14, –IIII– 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, –III$_{10}$ 3#10, –III$_{6}$ 4#6 ETC.
- (A) FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" TO TOP. (EXTERIOR ONLY)
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6–4.4.1(b).
- SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- M FIRE ALARM MINI HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" TO TOP AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER W–500A, W–1000A, OR W–2000A (OR EQUAL) BASED ON THE ROOM SIZE. IN CONJUCTION WITH BI–LEVEL SWITCHING.

LICENSED ARCHITECT RANDOLPH PATRICK CAMPAGNA No. C 12631 Exp. 3-31-09 STATE OF CALIFORNIA

BASED ON PC 02-104931

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-111734
AC NA FLS 20 SS 20
DATE APR 2 9 2008

12 X 40
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT
WAYSIDE ELEMENTARY

ELECTRICAL PLAN & NOTES

DATE: 04/02/08
SCALE: NONE
DRAWN BY: RS
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			4		
2			5		
3			6		

PROJECT No.

SHEET No.
E2