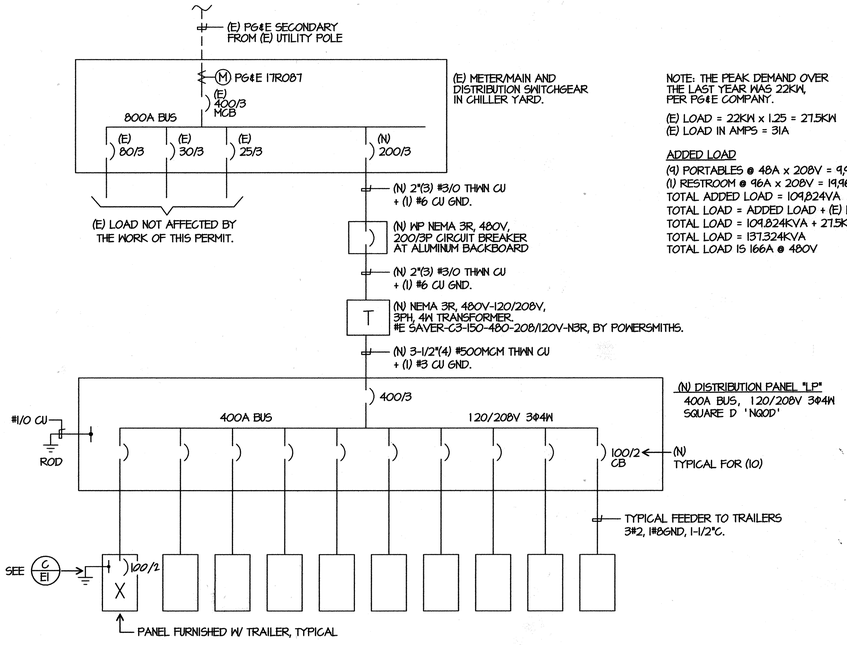


NOTE: THE PEAK DEMAND OVER THE LAST YEAR WAS 22KW, PER PG&E COMPANY.

(E) LOAD = 22KW x 1.25 = 27.5KW
(E) LOAD IN AMPS = 31A

ADDED LOAD
(9) PORTABLES @ 48A x 208V = 9,984VA EACH
(1) RESTROOM @ 96A x 208V = 19,968VA EACH
TOTAL ADDED LOAD = 104,824VA
TOTAL LOAD = ADDED LOAD + (E) LOAD
TOTAL LOAD = 104,824KVA + 27.5KVA
TOTAL LOAD = 131.324KVA
TOTAL LOAD 15 166A @ 480V

SINGLE LINE DIAGRAM
SCALE: NONE

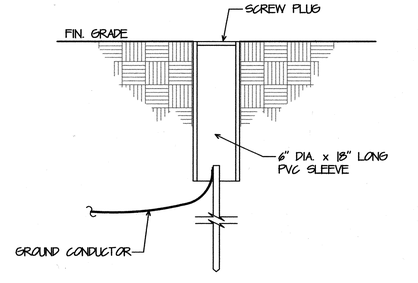
GENERAL NOTES

1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
4. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
6. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
7. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
8. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
9. ALL CONDUCTORS SHALL BE IN CONDUIT.
10. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.

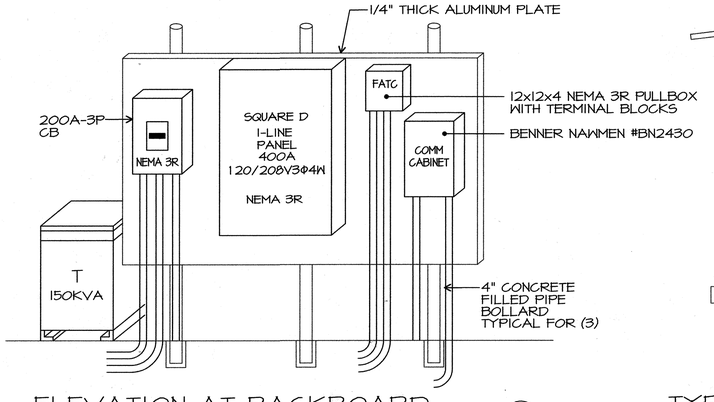
SYMBOLS

	CONDUIT EXISTING
	CONDUIT CONCEALED IN WALL OR CEILING
	CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
	CONDUIT STUBBED OUT AND CAPPED
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX. IN 1/2" C., (5) MAX. IN 3/4" C., (8) MAX. IN 1"C., NO MARKS = 2#12
A-3	HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S).
	SAWCUT
	GROUND CONNECTION
	DISTRIBUTION SWITCHBOARD OR PANEL
	PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH
	SIGNAL TERMINAL CABINET, SURFACE & FLUSH
	FLUORESCENT FIXTURE
2	OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
	SURFACE FIXTURE ON FLUSH OUTLET.
	RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
	EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
	LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB
A 100	LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.
PC 1	MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
	SPECIAL RECEPTACLE - SEE PLAN
M	METER
	FLUSH FLOOR RECEPTACLE
	RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" U.N.O.
	DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH
	DUPLEX RECEPTACLE W/LOWER HALF SWITCHED
GFI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	CEILING RECEPTACLE
	RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" U.N.O.
J	JUNCTION BOX 4" SQUARE, 1-1/2" DEEP U.N.O.
T	THERMOSTAT F.B.O. +48"
2	MOTOR, NO. INDICATES HORSEPOWER
C	CLOCK OUTLET +7'-6" U.N.O.
D	DISCONNECT SWITCH, NON-FUSED
F	DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
M	COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
	MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
D	DIMMER W/INTEGRAL "ON-OFF" SW.
	PUSHBUTTON
PC	PHOTOCELL
SD	SMOKE DETECTOR
	TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" U.N.O.
	CABLE TV OUTLET +18" U.N.O.
M	MOTION SENSOR
$	EXISTING SWITCH
S	SINGLE POLE SWITCH
$2	DOUBLE POLE SWITCH
$3	THREE WAY SWITCH
$P	SWITCH W/PILOT LT.
	QUIET TOGGLE TYPE RATED AT 20A 120/277V AC. +48" U.N.O.
$M	MANUAL MOTOR STARTER
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT CIRCUIT INTERRUPTING
LST	LABOR SAVING TANDEM
MLO	MAIN LUGS ONLY
W/	WITH
C.O.	CONDUIT ONLY
W.P.	WEATHERPROOF
F.B.O.	FURNISHED BY OTHERS, INSTALL & CONNECT
U.N.O.	UNLESS NOTED OTHERWISE
N.E.C.	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
(E)	EXISTING
(N)	NEW
(R)	REMOVE
(RL)	RELOCATE
S/M	SURFACE MOUNT
U/G	UNDERGROUND
CWP	COLD WATER PIPE
AFF	ABOVE FINISHED FLOOR
HACR	HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
N.L.	NIGHT LIGHT

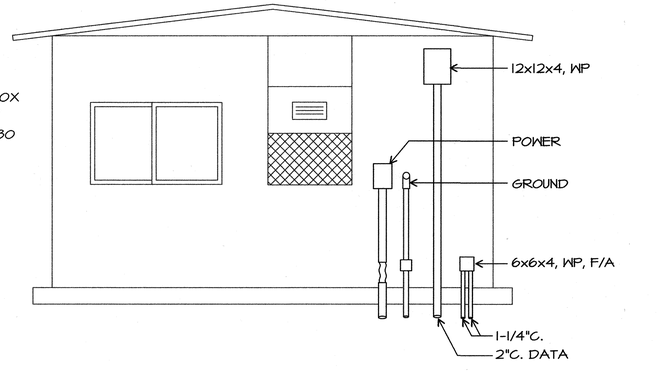
NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.



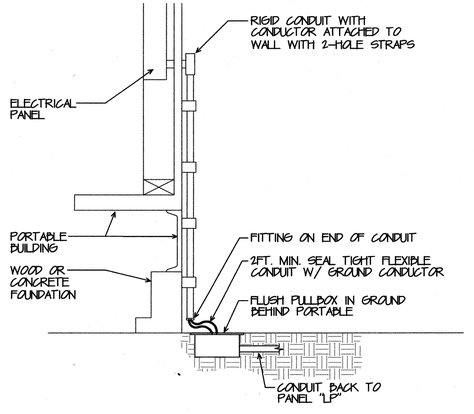
GROUND ACCESS BOX (E)
SCALE: NONE



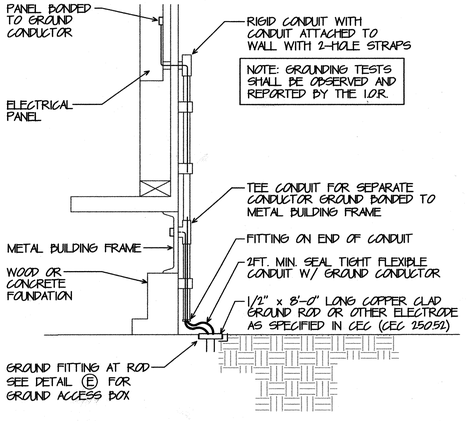
ELEVATION AT BACKBOARD (F)
SCALE: NONE



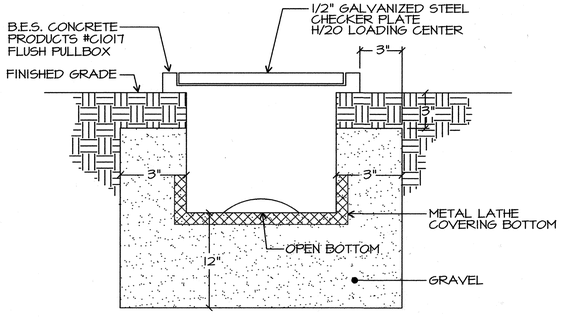
TYPICAL ELEVATION AT REAR OF TRAILER (A)
SCALE: NONE



TYPICAL TRAILERS CONNECTION (D)
SCALE: NONE



TYPICAL TRAILER GROUNDING (C)
SCALE: NONE



FLUSH PULLBOX DETAIL (B)
SCALE: NONE

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Sheet Title: GENERAL NOTES, SYMBOLS, SCHEDULES & DETAILS

Project Name & Address:
WAYSIDE ELEMENTARY
9 PORTABLE CLASSROOMS - 1 RESTROOM
BAKERSFIELD CITY SCHOOL DISTRICT
1000 MING AVE. BAKERSFIELD, CA 93307

Issue Date:	Designer:	DR:	PC:
ISSUE DATE 12/07/07	-	-	-

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