FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER			LAMP	MTG	VOLT
A	2x4 FLUORESCENT TROFFER MASTER SLAVE	LITHONIA #2SPG-332-120 GEB-10RS-LST11			1 T5HO 35K	RECESS	120
AA	2x4 FLUORESCENT TROFFER STAND ALONE	LITHONIA #2SPG-332-120 GEB-10RS			1 T5HO 35K	RECESS	120
B						RECESS	120
C	1X4 SURFACE WRAPAROUND	LITHONIA VSLC-132-120-GEB-10RS			1F32 T8 35K	SURFACE	120
C1	1X4 SURFACE WRAPAROUND	LITHONIA LB-232-120-GEB10RS			2F32 T8 35K	SURFACE	120
C2	1X4 RECESSED TROFFER	LITHONIA SPG-232-120-GEB10RS			2F32 T8 35K	RECESS	120
D	12"X12" SQUARE DOWNLIGHT	LITHONIA LAF-2/28DTT-12FW-T73-120			2/28 DTT	RECESS	120
E	RECESSED DOWNLIGHT 8" APERATURE HORIZONTAL LAMP	LITHONIA AF 1/26DTT 8AR 120			1 26W TT	RECESS	120
F	13"X13" SQUARE COMPACT FLURO. RETRO FIT FIXTURE	DESIGNPLAN QUATRO 13"-NB6-8-85-1-01-0-0-P-0 PROVIDE SHEETMETAL COVER AS REQUIRED			2 28W DD	SURFACE	120
G	WALL PACK	LITHONIA TWL-28DTT-120-			13 W TT	SURFACE	120
H							120
X	EXIT SIGN	LITHONIA LE-S-W-1-R-120			2.5 W LED	SURFACE	120

NOTES: 1. LIGHT FIXTURE SHOWN HALF SHADED AND MARKED WITH "EM" SHALL BE PROVIDED WITH A INTREGAL BATTERY PACK.

Item (3) Refer to Electrical Drawings, Sheet E1.11, "Fixture Schedule":

CLARIFY all fluorescent lamps shall have a color temperature of 4100K.

GENERAL NOTES:

1. ALL WORK SHALL BE INSTALLED PER BAKERSFIELD CITY SCHOOL DISTRICT STANDARDS.
2. ALL STARTERS PROVIDED BY MECHANICAL, INSTALLED BY ELECTRICAL. ALL CONTROL WIRING BY MECHANICAL.
3. THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL PENETRATIONS THROUGH SHEER WALLS AND FIRE WALLS AND SHALL ADHERE TO ALL CODES AND SPECIFICATIONS INCLUDED IN THESE DOCUMENTS FOR PROPER METHOD OF PENETRATIONS.
4. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS. SEE SPECIFICATION SECTION 16010 PART 1.03.
5. THE CONTRACTOR SHALL REVIEW AND COORDINATE ALL DISCIPLINES DRAWINGS AND SPECIFICATIONS AND PROVIDE ALL NECESSAARY WORK AND EQUIPMENT.
6. ALL PULL BOXES AND JUNCTION BOXES INDICATED ON THE DRAWINGS SHALL BE SUIZED IN ACCORDANCE WITH CEC ARTICLE 370.
7. PROVIDE NYLON PULL LINE IN ALL EMPTY CONDUITS.
8. PER CBC 609.7 BOXES IN RATED WALLS SHALL BE 24" APART WHEN MOUNTED ON OPPOSITE SIDES OF RATED WALL. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE.
9. VERIFY ALL PULL BOX AND EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN
10. ALL CONDUITS ENTERING AND EXITING PULL BOXES SHALL BE TAGGED UTILIZING 3"x5" PHENOLIC LABELS INDICATING CONDUIT ORIGIN AND DESTINATION.
11. PROVIDE TEMPORARY PA, CLOCK AND FIRE ALARM EQUIPMENT AND TEMPORARY WIRING TO MAINTAIN SYSTEM OPERATION DURING CONSTRUCTION OR UNTIL PERMANENT SYSTEMS ARE ON LINE.
12. THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL EXISTING LIGHTING FIXTURES AND LAMPS TO BE REMOVED. ASSUME ALL FIXTURE BALLASTS CONTAIN PCB'S AND DISPOSE OF AS HAZARDOUS WASTE.
13. THE CONTRACTOR WILL PROVIDE A 36" SERVICE-LOOP FOR ALL SIGNAL AND COMMUNICATION CABLING IN ALL PULL-BOXES, AND AT TERMINATION, LOCATED AT LOCATION HEAD-IN EQUIPMENT.
14. THE CONTRACTOR WILL PROVIDE A 72" SERVICE-LOOP FOR FIBER OPTIC CABLE IN ALL PULL-BOXES AND AT TERMINATION, LOCATED AT LOCATION HEAD-IN EQUIPMENT.
15. ALL FIBER OPTIC CABLES WILL BE TERMINATED AT BOTH ENDS WITH ST-CONNECTORS UNLESS OTHERWISE NOTED.
16. THE CONTRACTOR SHALL EXTEND TO THE MASTER EQUIPMENT ALL SIGNAL, COMMUNICATION AND FIRE ALARM SYSTEMS. MODIFY HEAD-IN EQUIPMENT TO ACCOMMODATE NEW DEVICES AS REQUIRED. VERIFY WITH THE ENGINEER AND THE SCHOOL DISTRICT THE CONDITION AND EXPANDABILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID. THE CONTRACTOR SHALL MODIFY ACCORDINGLY.
17. CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT PRIOR TO TRENCHING.
18. ALL LOCAL AREA NETWORK (LAN) EQUIPMENT RACKS TO BE SEPARATELY GROUNDED WITH (1) #8 CU. GROUND, RUN IN METALLIC CONDUIT FROM LAN RACKS TO GROUND POINT.
19. ALL NEW TERMINAL CABINETS, JUNCTION BOXES, CONDUIT SHROUDS AND EQUIPMENT ENCLOSURES SHALL BE PAINTED TO MATCH EXISTING ADJACENT SURFACE.
20. ALL LABELING OF DATA, TELEPHONE, TV, CABLES JACKS, PLATES SHALL BE COMPLIANT WITH TIA/EIA 606 LABELING.
21. ALL CONDUITS SHALL HAVE MINIMUM 36" COVER.
22. ALL CONDUIT ELBOWS SHALL BE STEEL.
23. CONTRACTOR WILL FURNISH AND INSTALL TELEPHONE JACKS (2 EACH) AT LOCAL AREA NETWORK (LAN) EQUIPMENT RACK WITH CATEGORY-5 4 PAIR CABLE (GREEN COLOR) TO TELEPHONE BACK BOARD. FURNISH AND INSTALL TELEVISION JACKS (F-CONNECTORS) AT L.A.N. EQUIPMENT RACK. TELEVISION COAXIAL CABLE SHALL BE ROUTED BACK TO EXISTING TELEVISION HEAD-IN EQUIPMENT RACK MOUNT ALL NEW TELEPHONE AND TELEVISION DEVICES ON RACK MOUNT PATCH PANEL.
24. CONTRACTOR SHALL TEST AL SIGNAL, DATA, FIRE ALARM, TELEPHONE AND TV VIDEO SYSTEMS TO MAIN SERVICES FOR A COMPLETE OPERATING SYSTEM

SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION
(E)	DESIGNATES EXISTING ITEM	
	CEILING FIXTURE	SEE PLANS & FIXTURE SCHEDULE
	WALL BRACKET FIXTURE	SEE PLANS & FIXTURE SCHEDULE
	RECESSED FIXTURE	SEE PLANS & FIXTURE SCHEDULE E1.14
	FLUORESCENT FIXTURE	SEE PLANS & FIXTURE SCHEDULE E1.14
EM	FLUORESCENT FIXTURE ON EMERGENCY POWER	SEE PLANS & FIXTURE SCHEDULE
	FLUORESCENT STRIP	SEE PLANS & FIXTURE SCHEDULE
	FLOODLIGHT	SEE PLANS & FIXTURE SCHEDULE
2a	FIXTURE CKT 2, LOCAL SWITCH Sa	
	ILLUMINATED EXIT SIGN	SEE PLANS & FIXTURE SCHEDULE
	TANDEM FIXTURES WIRING CONNECTION	SEE PLANS
A 1/48	FIXTURE TYPE AND WATTAGE	SEE FIXTURE SCHEDULE
	LOCAL SWITCH	20A – AC QUIET 277V +45" MAX.
	KEY SWITCH	20A – AC QUIET 277V +45" MAX.
	LOCAL SWITCH, 2-POLE	20A – AC QUIET 277V +45" MAX.
	3-WAY SWITCH	20A – AC QUIET 277V +45" MAX.
	4-WAY SWITCH	20A – AC QUIET 277V +45" MAX.
	SWITCH W/PILOT LITE	NEON IN TOGGLE +45" MAX.
	DIMMER SWITCH	WATTAGE AS REQUIRED +45" MAX.
W	MOTION SENSOR-WALL MTD.	WATTSTOPPER #WA-100 +45" MAX.
	MOTION SENSOR-CEILING MTD.	WATTSTOPPER #W-1000A
S	MOTION SENSOR-CEILING MTD.	WATTSTOPPER #W-2000A
R	MOTION SENSOR-CEILING MTD.	WATTSTOPPER #W-500A
H	HALLWAY MOTION SENSOR-CEILING MTD.	WATTSTOPPER #W-2000A
P	PHOTOCELL	
	DUPLEX CONVENIENCE OUTLET	20A NEMA GROUNDED +15" MIN.
	CONVENIENCE OUTLET – 1/2 SW.	20A NEMA GROUNDED +15" MIN.
	QUADPLEX CONVENIENCE OUTLET	20A NEMA GROUNDED +15" MIN.
WP	WEATHERPROOF CONV. OUTLET	20A NEMA GROUNDED +15" MIN.
	RANGE OUTLET	
	SPECIAL OUTLET	AS REQUIRED – SEE PLANS
GFI	GROUND FAULT INTERRUPTER	
U.O.N.	UNLESS OTHERWISE NOTED	
	FLOOR OUTLET	FITTINGS AS REQUIRED
J	JUNCTION BOX – AS REQUIRED	4S BOX & FLUSH PLATE MINIMUM
	ELECTRICAL SWITCHBOARD	REFER TO SINGLE LINE DIAGRAM
	ELECTRICAL PANEL	REFER TO PANEL SCHEDULE
	WIRING UNDER FLOOR OR IN WALL	3/4"C. MINIMUM U.O.N.
	WIRING IN CEILING	3/4"C. MINIMUM U.O.N.
	CONDUIT RISER	
	FLEXIBLE CONDUIT	
	CONDUIT STUB AND CAP	
	NUMBER OF HASH MARKS DENOTES NUMBER OF CONDUCTORS	
	HOME RUN	TO RESPECTIVE PANEL OR TERM. CAB.
	(E) CONDUIT TO REMAIN	
	EXHAUST FAN	REFER TO MECH. PLANS & SPECS.
	MOTOR W/DISCONNECT SWITCH	REFER TO MECH. PLANS & SPECS.
	SWITCHPACK	WATTSTOPPER #A
	TERMINAL CABINET	
	TELEPHONE OUTLET +15" MIN.	AS REQUIRED, MINIMUM 1" CONDUIT
	INTERCOM HANDSET +48" MAX.	
	INTERCOM SPEAKER +84" MAX.	
H	INTERCOM HORN	
S	SPEAKER-CEILING MOUNTED	
	SPEAKER-WALL MOUNTED	
	CLOCK (12")	
TV	TV ANTENNA OUTLET	SINGLE GANG BOX W/BLANK PLATE 3/4" MIN. CONDUIT
	COMPUTER/DATA OUTLET	SINGLE GANG BOX W/BLANK PLATE 3/4" MIN. CONDUIT
	COMMUNICATION/DATA OUTLET	4 11/16" x 2 1/8"D BOX WITH 1 1/2" EXTENSION 2 GANG RING, BLANK COVER PLATE AND (2)1"C UP TO ABOVE CEILING SPACE WITH NYLON PULL LINES.
	SURFACE RACEWAY	WIRMOLD #5400 SERIES W/DUPLEX CONV. OUTLET (20A NEMA GND.) 36" O.C.
	WIREMOLD	PLUGMOLD # AL2000 SERIES W/DUPLEX CONV. OUTLET (20A NEMA GND.) AT 12" O.C.
	WIREMOLD RISER	#

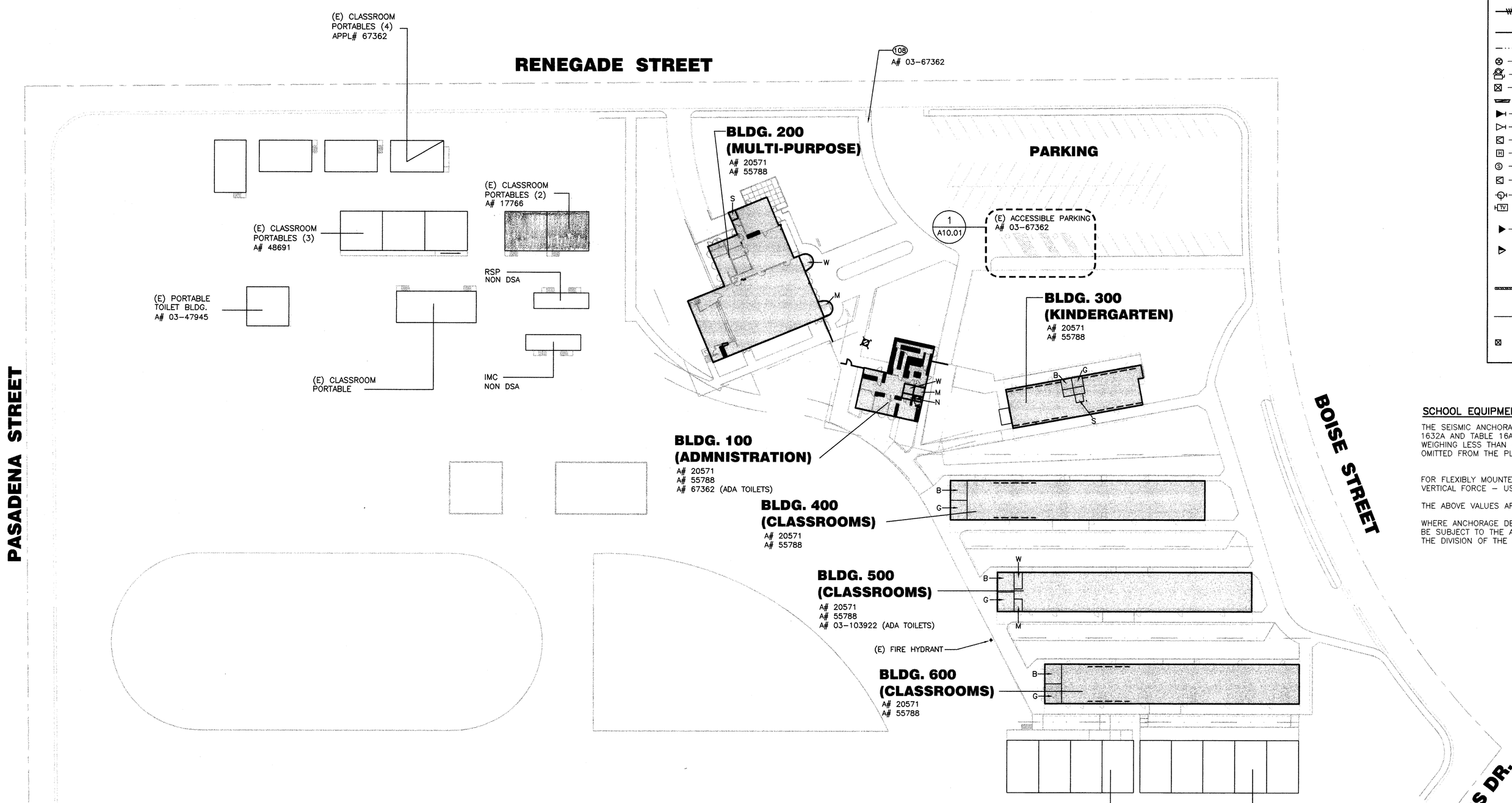
SCHOOL EQUIPMENT ANCHORAGE

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24 SEC. 1632A AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE – USE 1/3X HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, 1 = 1.0 AND SEISMIC ZONE, Z = 0.4

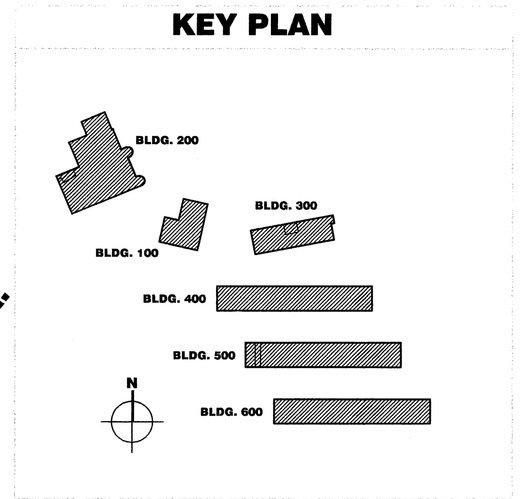
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE DIVISION OF THE STATE ARCHITECT.



ELECTRICAL SITE PLAN

1"=40'-0"

KEY PLAN



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DATE AUG 2 6 2003

MODERNIZATION
FOR
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BAKERSFIELD, CA 93306

BAKERSFIELD CITY SCHOOL DISTRICT

ELECTRICAL SITE PLAN, SYMBOL SCHEDULE AND NOTES

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date	06/24/03	
drawn by	T.A.	
chk'd by	D.G.	
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