



ABBREVIATIONS

A, AMP	AMPERES	LTG	LIGHTING
A.C.	ABOVE COUNTER	MCC	MOTOR CONTROL CENTER
A.F.F.	ABOVE FINISHED FLOOR	MTD	MOUNTED
AL	ALUMINIUM CONDUCTOR OR BUS	MTG	MOUNTING
BD	BOARD	MLO	MAIN LUG ONLY
C	CONDUIT	N	NEUTRAL
CKT	CIRCUIT	[N]	NEW
CAB	CABINET	NL	NIGHT LIGHT
CATV	CABLE TELEVISION	N.I.C.	NOT IN CONTRACT
CB	CIRCUIT BREAKER	N.T.S.	NOT TO SCALE
CC	CENTER TO CENTER	O.C./OC	ON CENTER
CO	CONDUIT ONLY (EMPTY CONDUIT) WITH PULL WIRE	OC/PD	OVER CURRENT PROTECTION DEVICE
CPB	COMMUNICATIONS PULL BOX	OFPI	OWNER FURNISHED OWNER INSTALLED
CU	COPPER CONDUCTOR OR BUS	Ø	PHASE
DB	DISTRIBUTION PANEL	P	POLE
EMT	ELECTRIC METALLIC TUBING	P.A./PA	PUBLIC ADDRESS SYSTEM
EWIC	ELECTRIC WATER COOLER	PB	PULL BOX
EM	EMERGENCY	PIV	POST INDICATOR VALVE
[E]	EXISTING	PNL	PANEL
E.O.L.	END-OF-LINE	PPB	POWER PULL BOX
EPO	EMERGENCY POWER-OFF	RS	RAPID START
F	FUSE	REC/RECEPT.	RECEPTACLE
FS	FLOW SWITCH	REF	REFRIGERATOR
F.A./FA	FIRE ALARM	RM	ROOM
FACP	FIRE ALARM CONTROL PANEL	SCE	SIGNAL CURRENT EXPANDER PANEL
F.B.O.	FURNISHED BY OTHER/FURNISHED BY OWNER	S.L.	SECURITY LIGHT
FLA	FULL LOAD AMPS	SPB	SIGNAL PULL BOX
G	GREEN GROUND WIRE	STB	SIGNAL TERMINAL BOARD
GFCI	GROUND FAULT CIRCUIT INTERRUPT	STC	SIGNAL TERMINAL CABINET
GND	GROUND	SW	SWITCH
GRS	GALVANIZED RIGID STEEL	TBP	TELEPHONE PULL BOX
HC	HORIZONTAL CROSSCONNECT	TS	TAMPER SWITCH
HID	HIGH INTENSITY DISCHARGE	TEL	TELEPHONE
HP	HORSEPOWER	TEL TERM	TERMINAL
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
I.B.O.	INSTALLED BY OTHER	TTB	TELEPHONE TERMINAL BOARD
I.B.E.	INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR	TTC	TELEPHONE TERMINAL CABINET
IDF	INTERMEDIATE DISTRIBUTION FRAME(DATA)	U.C.	UNDER COUNTER
INT	INTRUSION ALARM	UG	UNDERGROUND
J/JB	JUNCTION BOX	U.O.N.	UNLESS OTHERWISE NOTED
KV	KILOVOLTS	V	VOLTS/VOLTAGE
KVA	KILOVOLTS-AMPERES	V.P.	VANDAL PROOF
KW	KILOWATT	W	WATTS
LV	LOW VOLTAGE	WP	WEATHERPROOF
		WM	WIREMOLD

MOUNTING HEIGHTS

NOTES:

- ALL MEASUREMENTS ARE A.F.F.
- SEE DRAWINGS FOR NON-TYPICAL MOUNTING HEIGHTS
- WHERE MOUNTING HEIGHTS ARE NOT SHOWN, REFER TO ARCHITECT
- DEVICES LOCATED ABOVE COUNTERTOP SHALL BE 8" ABOVE BACK SPLASH TO CENTER OF DEVICE ABOVE AND LOCATED W/IN ACC. SIDE REACH RANGE.

SWITCHES	: 44" TO CENTER OF DEVICE
DIMMERS	: 44" TO CENTER OF DEVICE
RECEPTACLES	: 18" TO CENTER OF DEVICE
TELEPHONE OUTLETS (OFFICE)	: 18" TO CENTER OF DEVICE
TELEPHONE OUTLETS (CLASSROOM)	: 48" TO CENTER OF DEVICE
DATA OUTLETS	: 18" TO CENTER OF DEVICE
INTERCOM OUTLETS	: 18" TO CENTER OF DEVICE
TELEVISION OUTLETS	: 18" TO CENTER OF DEVICE
MICROPHONE OUTLETS	: 18" TO CENTER OF DEVICE
FIRE ALARM PULL STATIONS	: 48" TO CENTER OF DEVICE, A.F.F.
FIRE ALARM HORNS AND BELLS	: 90" TO TOP OF DEVICE, A.F.F.
STROBES	: 80" A.F.F. OR 6" BELOW THE CEILING TO THE BOTTOM OF DEVICE, WHICHEVER IS LOWER MAX. 96" A.F.F. TO TOP OF LENS.
CLOCKS	: AS SHOWN ON DRAWINGS
SPEAKERS	: AS SHOWN ON DRAWINGS
HAND DRYERS	: 45" TO CENTER OF SWITCH 40" TO CENTER OF SWITCH (ACCESSIBLE)
HAIR DRYERS	: 44" TO CENTER OF SWITCH
WALL SCONCES	: ABOVE 80" FOR PROJECTIONS INTO CORRIDORS OF MORE THAN 4" OR AS SHOWN ON DRAWING
EXIT LIGHTS	: SEE DETAILS
EXIT MARKERS	: SEE DETAILS
WIREMOLD	: 15" TO BOTTOM OF RACEWAY U.O.N.
EMERGENCY LIGHTING WALL PACK	: AS SHOWN ON DRAWINGS

PROJECT NOTES

- DRAWINGS ARE A COMPOSITE OF INFORMATION OBTAINED FROM OLDER DRAWINGS FURNISHED BY THE SCHOOL DISTRICT AND DO NOT NECESSARILY REFLECT AS-BUILT CONDITIONS. THESE DRAWINGS REFLECT APPROXIMATE LOCATIONS OF ELECTRICAL EQUIPMENT AND SHOULD BE USED FOR REFERENCE ONLY. CAUTION SHOULD BE USED WHEN EXCAVATING OR TRENCHING TO LOCATE EXISTING UNDERGROUND CONDUITS. OBTAIN DRAWINGS AND INFORMATION REGARDING THE APPROXIMATE LOCATIONS OF OTHER UNDERGROUND UTILITIES SUCH AS GAS, WATER, SEWER, SPRINKLERS, ETC. FROM THE SCHOOL DISTRICT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING VISITED THE SITE AND SATISFIED HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL CHECK ALL OF THE EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK. THE SITE VISIT SHALL BE DURING THE BID WALK AND/OR PREARRANGED WITH THE ARCHITECT.

ELECTRICAL EQUIPMENT NOTES

- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT, DEVICES AND WIRING. SEE SECTION 16010 OF THE SPECIFICATIONS.
- FOR THE EXACT LOCATION OF ELECTRICAL EQUIPMENT AND DEVICES SEE THE ARCHITECTURAL ELEVATIONS, DETAILS AND DIMENSIONS SHOWN ON THE DRAWINGS.

DEMOLITION AND CLEANUP NOTES

- REMOVE ALL NONFUNCTIONAL SIGNAL SYSTEM EXPOSED WIRES, CABLES AND FASTENERS. KEEP ALL FUNCTIONAL WIRING SUCH AS THE ENERGY MANAGEMENT SYSTEMS (EMS) AND THE SECURITY ALARM SYSTEMS.
- REMOVE ALL MATERIAL CAUSED BY THE DEMOLITION WORK FROM THE SITE AND LEAVE THE PREMISES CLEAN AND FREE OF DEBRIS.

STANDARD SYMBOL LEGEND

	FLUORESCENT FIXTURE- APPROXIMATELY TO SCALE.		WIREMOLD #5400 IVORY RACEWAY. PROVIDE ALL ACCESSORIES, FITTINGS, AND DIVIDERS FOR A COMPLETE, FUNCTIONAL SYSTEM.
	EMERGENCY LIGHT WALL PACK.		WIREMOLD #5500 SERIES. PROVIDE ALL ACCESSORIES, FITTINGS, AND DIVIDERS FOR A COMPLETE, FUNCTIONAL SYSTEM.
	FIXTURE OUTLET - WALL OR CEILING MOUNTED. '3' INDICATES CIRCUIT, 'a' INDICATES SWITCH CONTROL.		WIREMOLD RACEWAY VERTICAL RUN. PROVIDE ALL ELBOWS, CONNECTORS, AND FITTINGS AS NECESSARY FOR A COMPLETE RACEWAY SYSTEM.
	EXIT LIGHTS- CEILING OR WALL MOUNTED, ARROW(S) INDICATES DIRECTION.		FUSED DISCONNECT - MOTOR RATED. FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SWITCHES TO BE FURNISHED WITH DUAL ELEMENT FUSES SIZED ACCORDING TO NAME PLATE DATA ON EQUIPMENT INSTALLED.
	LOW LEVEL EXIT MARKER, SELF ILLUMINATING TYPE. ACTIVE SAFETY #14,000, FINISH AS SELECTED BY ARCHITECT.		MAGNETIC MOTOR STARTER FURNISHED, INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
	LOW LEVEL EXIT MARKER, SELF ILLUMINATING TYPE WITH KICKPLATE. ACTIVE SAFETY #18,000, FINISH AS SELECTED BY ARCHITECT.		MOTOR - FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.
	FIXTURE DESIGNATOR- '#' INDICATES FIXTURE TYPE.		GROUND ROD- 3/4" DIAMETER x 10-FEET LONG COPPER CLAD.
	SPST TOGGLE WALL SWITCH - 20A, 120/277V, 'a' INDICATES CONTROL.		TERMINAL CABINET- SURFACE OR FLUSH MOUNTED WITH FLAME RETARDANT PLYWOOD BACKBOARD.
	DPST TOGGLE WALL SWITCH - 20A, 120/277V.		PANELBOARD- SURFACE OR FLUSH MOUNTED.
	3-WAY TOGGLE WALL SWITCH - 20A, 120/277V.		DISTRIBUTION OR SWITCHBOARD
	4-WAY TOGGLE WALL SWITCH - 20A, 120/277V.		NEUTRAL LINK
	SPDT MOMENTARY CONTACT TOGGLE SWITCH- 20A, 120/277V.		TRANSFORMER.
	SPST KEYSWITCH- 20A, 120/277V.		METER.
	THERMAL RATED SNAP SWITCH FOR CONTROLLING FRACTIONAL HORSEPOWER MOTORS.		CIRCUIT BREAKER.
	PROVIDE WALL OR CEILING MOUNTED LIGHTING MOTION SENSOR. PROVIDE POWER PACK FOR COMPLETE OPERATIONAL SYSTEM. SEE TYPICAL DETAILS.		GROUND.
	PHOTO CELL- CEILING OR WALL MOUNTED.		MASTER/SLAVE 'WHIP' FOR CONNECTING MIDDLE LAMP OF TWO 2-LIGHT FIXTURES.
	LOW VOLTAGE SWITCH - MOMENTARY CONTACT TYPE WITH: CENTER=NULL, UP=ON, DOWN=OFF.		FLEXIBLE CONDUIT AND CONNECTION.
	CEILING OR WALL MOUNTED JUNCTION BOX		GROUND WIRE WITH GREEN INSULATION SIZE PER N.E.C., U.O.N.
	PULLBOX(S)- SIZE AND NUMBER AS INDICATED.		CONDUIT CONCEALED IN WALL OR CEILINGS. PROVIDE NUMBER OF WIRES NECESSARY FOR BRANCH CIRCUIT, SWITCH LEGS, ETC. PROVIDE SEPARATE NEUTRALS FOR EACH PHASE WIRE. SIZE SHALL BE DETERMINED BY OCPD CONNECTED TO THE PHASE CONDUCTORS AND VOLTAGE DROP CONSIDERATIONS. ALL CONDUITS SHALL HAVE GROUND CONDUCTOR(S). SIZE CONDUIT PER NEC.
	WALKER DUCT WITH FLOOR J-BOX		CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR. MINIMUM SIZE IS 3/4". PROVIDE NUMBER OF WIRES NECESSARY FOR BRANCH CIRCUIT, SWITCH LEGS, ETC. PROVIDE SEPARATE NEUTRALS FOR EACH PHASE WIRE. SIZE SHALL BE DETERMINED BY OCPD CONNECTED TO THE PHASE CONDUCTORS AND VOLTAGE DROP CONSIDERATIONS. ALL CONDUITS SHALL HAVE GROUND CONDUCTOR(S). SIZE CONDUIT PER NEC.
	FAN.		CONDUIT UNDERGROUND OR BELOW FLOOR. MINIMUM SIZE IS 3/4". PROVIDE NUMBER OF WIRES NECESSARY FOR BRANCH CIRCUIT, SWITCH LEGS, ETC. PROVIDE SEPARATE NEUTRALS FOR EACH PHASE WIRE. SIZE SHALL BE DETERMINED BY OCPD CONNECTED TO THE PHASE CONDUCTORS AND VOLTAGE DROP CONSIDERATIONS. ALL CONDUITS SHALL HAVE GROUND CONDUCTOR(S). SIZE CONDUIT PER NEC.
	CLOCK AND SPEAKER COMBINATION		CONDUIT HOME RUN TO PANEL, TERMINAL BOARD, ETC.
	TIME CLOCK - AMERICAN TIME AND SIGNAL 12" #5556BADD304		CONDUIT-UP.
	SPEAKER		CONDUIT-DOWN.
	SINGLE RECEPTACLE - 20A, 120V & GROUND.		EXISTING ABOVE GROUND CONDUIT.
	RECEPTACLE, DUPLEX - 20A, 120V & GROUND.		EXISTING UNDERGROUND CONDUIT.
	RECEPTACLE, DUPLEX - WITH ONE-HALF SWITCHED.		MECHANICAL EQUIPMENT DESIGNATOR.
	RECEPTACLE, DUPLEX - WITH GFCI PROTECTION IN WEATHERPROOF HOUSING.		SHEET NOTE NUMBER-#. SEE NOTE DESCRIPTION ON SAME SHEET.
	RECEPTACLE, DUPLEX- WITH GFCI PROTECTION.		GENERAL NOTE NUMBER-#. SEE NOTE DESCRIPTION ON SAME SHEET.
	RECEPTACLE, 50A, 3-WIRE, 250V.		REFERENCE TO PLAN/DETAIL/DIAGRAM.
	RECEPTACLE, DOUBLE DUPLEX- (2)20A, 120V & GROUND.		DESIGNATES SIZE AND QUANTITY OF FEEDERS SEE FEEDER SCHEDULE.
	RECEPTACLE, DOUBLE DUPLEX WITH GFCI PROTECTION.		'###' DENOTES ROOM NUMBER.
	SPECIAL RECEPTACLE. SIZE AS NOTED ON DRAWING.		ADDENDUM OR REVISION NUMBER-#. SEE DESCRIPTION ON SAME SHEET.
	SPECIAL RECEPTACLE- SIZE NOTED ON DRAWING.		DEVICES (I.E. DATA JACKS, RECEPTACLES, SWITCHES, TELEPHONE JACKS) SHOWN AS A THIN LINE OR SHADED ARE EXISTING.
	RECEPTACLE, 30A, 3-WIRE, 250V.		INTRUSION ALARM DOOR CONTACT PROVISION SEE TYPICAL DETAILS.
	RECEPTACLE, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.		INTRUSION ALARM KEYPAD.
	TELEPHONE OUTLET, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.		INTRUSION ALARM MOTION DETECTOR.
	DATA OUTLET, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.		INTRUSION ALARM HORN.
	INTERCOM OUTLET, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.		
	CEILING MOUNTED DUPLEX RECEPTACLE, DATA JACK, AND TELEVISION JACK.		
	FLUSH, FLOOR MOUNTED DUPLEX RECEPTACLE, DATA JACK, AND TELEPHONE JACK.		
	TELEPHONE OUTLET- PROVIDE 2-GANG BOX WITH 1" CONDUIT. STUB-UP INTO T-BAR CEILING. FOR HARD CEILINGS, RUN THE CONDUIT TO LOCATION INDICATED PER THE RISER DIAGRAM.		
	DATA OUTLET- PROVIDE 2-GANG BOX WITH 1" CONDUIT. STUB-UP INTO T-BAR CEILING RUN THE CONDUIT TO LOCATION INDICATED PER THE RISER DIAGRAMS.		
	NUMBER IN PARENTHESIS INDICATES QUANTITY OF DEVICES. TYPICAL FOR ALL TYPES OF DEVICES.		
	MICROPHONE OUTLET FLOOR OR WALL MOUNTED.		
	RECEPTACLE, DUPLEX CEILING MOUNTED.		
	RECEPTACLE, DOUBLE DUPLEX CEILING MOUNTED.		
	CIRCUIT BREAKER IN NEMA ENCLOSURE TO SUIT THE APPLICATION, WALL MOUNTED, U.O.N.		
	TELEVISION OUTLET		

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF TERMINAL BOXES AND CONDUIT ENTRANCES OF ALL EQUIPMENT AGAINST SHOP DRAWINGS BEFORE STUBBING UP CONDUITS OR PENETRATING EXTERIOR WALL OF BUILDING.
- IN CASE OF INTERFERENCE BETWEEN ELECTRICAL EQUIPMENT SHOWN ON THE DRAWINGS AND OTHER EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING.
- ALL OUTDOOR DEVICES SHALL BE WEATHERPROOF.
- FOR DEMOLITION, REMOVE POWER TO ROOF MOUNTED EQUIPMENT BACK TO THE PANEL. REMOVE ALL RECEPTACLES, PANELS, SWITCHES, ETC. PROVIDE AND INSTALL NEW AS SHOWN ON DRAWINGS.
- ALL WIRES AND CABLES ARE TO BE RUN CONCEALED, IN CONDUIT OR ON J-HOOKS, UNLESS OTHERWISE NOTED. WHERE WIRES AND CABLES CANNOT BE CONCEALED DUE TO STRUCTURAL CONDITIONS SUCH AS SOLID CEMENT WALLS, USE SURFACE MOUNTED 'WIREMOLD' RACEWAYS 400 OR GREATER TO ACCOMMODATE THE CABLE FILL. PAINT RACEWAYS TO MATCH SURFACE COLORS.
- ALL OUTLET BOXES IN FIRE-RESISTIVE ASSEMBLIES SHALL BE RATED AND A MAXIMUM SIZE OF 16 SQUARE INCHES (STEEL ONLY FOR ASSEMBLIES AND MORE THAN ONE-HOUR). ALL OUTLET BOXES IN FIRE-RESISTIVE ASSEMBLIES SHALL BE SEPARATED BY A MINIMUM OF 24 INCHES HORIZONTALLY. ELECTRICAL PANELS ARE NOT PERMITTED IN FIRE-RATED ASSEMBLIES. CBC106 ARE NOT PERMITTED IN FIRE-RATED ASSEMBLIES. CBC106
- ALL 120V PANELS SHALL HAVE INTEGRAL SURGE TVSS MODULE PROVIDING ALL MODES OF PROTECTION FOR 3Ø, 4W SYSTEMS AND 1Ø, 3W SYSTEMS. THE UNIT SHALL BE BUILT INTO THE PANEL AND INLINE WITH THE ELECTRICAL BUS. THE TVSS SHALL BE ELECTRICALLY EQUIVALENT TO THE LIEBERT #120Y100-01.
- ALL PHASE CONDUCTORS SHALL HAVE THEIR OWN NEUTRALS. NO SHARING OF NEUTRALS ALLOWED.
- MARK ALL NEW CIRCUITS ADDED AND INSTALLED IN EXISTING PANELBOARDS WITH SELF ADHESIVE PANEL MARKING TAGS NEAREST TO NEW CIRCUITS, AND ON PANELBOARD DIRECTORY. FURNISH NEW NAMEPLATES FOR NEW CIRCUITS INSTALLED IN EXISTING SWITCHBOARD(S) TO MATCH EXISTING CONDITIONS AS REQUIRED. SEE SPECIFICATIONS FOR NAMEPLATE REQUIREMENTS. PROVIDE NAME OF EQUIPMENT OR ROOM SERVED, LOCATION, DATE AND PROJECT NAME. MARK ALL ADDITIONAL SPARE BREAKERS, AND NOTE REMAINING SPACE AVAILABLE IN PANELBOARDS AND SWITCHBOARDS AS REQUIRED.
- THE CONTRACTOR SHALL VERIFY THE EXACT BREAKER COMPLEMENT OF ALL EXISTING PANELS TO BE REPLACED. ALL REPLACED PANELS SHALL HAVE THE SAME COMPLEMENT OF CIRCUIT BREAKERS (SIZE, #POLES, QUANTITY, ETC.) AS THE EXISTING PANELS PLUS ANY NEW CIRCUIT BREAKERS AS CALLED FOR ON THE PLANS. THE CONTRACTOR SHALL ALSO PROVIDE (1) 20A/1P CIRCUIT BREAKER UNLESS NOTED OTHERWISE. FOR ALL REMAINING UNDESIGNATED PANEL SPACES.
- THE CONTRACTOR SHALL OBTAIN A FULL SET OF PLANS AND SPECIFICATIONS WHEN BIDDING THIS PROJECT.
- FIRE ALARM CABLE(S) MAY BE INSTALLED ON J-HOOKS INSTALLED EVERY 4-FEET ABOVE THE ACCESSIBLE ATTIC SPACE. WHERE ATTIC SPACE IS INACCESSIBLE INSTALL CABLING WITHIN CONDUIT OR SURFACE MOUNTED WIREMOLD RACEWAY WIREMOLD #400 SERIES.
- PROVIDE A DEDICATED 20A/1P CIRCUIT AND CIRCUIT BREAKERS AT ALL IDF LOCATIONS. RUN CIRCUITS TO THE NEAREST 120V PANEL.
- ALL FIRE ALARM PANELS AND SIGNAL EXPANDER PANELS SHALL BE FED WITH CIRCUIT BREAKERS THAT HAVE LOCKOUT DEVICES AND HANDLES PAINTED RED.
- PROVIDE (2) TELEPHONE CABLES TO EACH FIRE ALARM PANEL AND CONNECT AT THE PROPERTY TELEPHONE MPOE WITH TWO DEDICATED OUTSIDE PHONE LINES
- ALL ELECTRICAL PANEL BUSBARS SHALL BE COPPER. EQUAL PANEL MANUFACTURERS SHALL BE GE, CUTLER-HAMMER, SQUARED, AND WESTINGHOUSE.
- ALL SCTB SHALL BE 8"x4"x3/4" DEEP PLYWOOD WITH FIRE RETARDANT PAINT. FIELD CUT TO FIT.
- ALL CONDUITS AND BOXES SHALL BE CONCEALED. THE CONTRACTOR SHALL CAREFULLY CUT OUT WALLS AND INSTALL CONDUIT AND BOXES. PATCH AND REPAIR TO MATCH EXISTING.
- PRIOR TO SUBMITTING BID, COORDINATE WITH DISTRICT AND OBTAIN A LIST OF ELECTRICAL EQUIPMENT THE DISTRICT WILL PURCHASE. THE CONTRACTOR SHALL INSTALL AND CONNECT THOSE ITEMS PURCHASED BY THE DISTRICT.
- ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE SPECIFIED.

INTRUSION ALARM NOTES

- FOR THE CLASSROOMS: FOR EACH CLASSROOM PROVIDE AN 8 CONDUCTOR WIRE FROM THE INTRUSION ALARM PANEL. THEN PROVIDE A 2 CONDUCTOR WIRE USED FOR EACH DOOR AND TIED TO THE 8 CONDUCTOR. PROVIDE AN EIGHT CONDUCTOR FROM THE MIC OR OTHER SENSORS LOCATED IN THE CENTER OF THE ROOM OR AS DIRECTED BY SONITROL AND WIRE TO THE 8 CONDUCTOR. PROVIDE 3 FEET OF SLACK AT EACH END. THE 8 CONDUCTOR IS PART # CL20417, 8 CONDUCTOR, 22 AWG, STRANDED. THE 2 CONDUCTOR IS PART # CL20410, 2 CONDUCTOR, 22 AWG, STRANDED. IF TWO PANELS NEED TO BE TIED TOGETHER (LOCATION OF ROOMS CAN DICTATE A NEW PANEL) AND FOR TYING IN A NEW KEYPAD THEN A 2 PAIR SHIELDED, STRANDED, 22 AWG IS USED. PART # CL20831 PART NUMBER LISTED ABOVE ARE LISTED AT "CONTRACTORS WIRE" WEB SITE HTTP://WWW.CONTRACTORS WIRE.COM.
- ELECTRICAL CONTRACTOR SHALL PURCHASE AND INSTALL THE INTRUSION ALARM CABLING FOR FINAL CONNECTIONS BY SONITROL OR THE CURRENT INTRUSION ALARM COMPANY. COORDINATE WITH THE INTRUSION ALARM COMPANY PRIOR TO INSTALLATION.
- PRIOR TO SUBMITTING BID CONTRACTOR SHALL INQUIRE WITH SONITROL AS TO THE EXACT CABLE AND DEVICE COUNT FOR THE SYSTEM THEY INTEND TO INSTALL.

ELECTRICAL DRAWING LIST

E1.1	SYMBOL LEGEND AND NOTES
E1.2	SINGLE LINE DIAGRAM, DUCT BANK, AND PULLBOX SCHEDULES
E2.1	ELECTRICAL AND FIRE ALARM SITE PLAN AND ROUTING PLAN
E3.1	FIRE ALARM SYMBOL LEGEND, RISER DIAGRAM, NOTES, AND CALCULATIONS
E3.2	PORTABLE GROUP FIRE ALARM FLOOR PLANS
E4.1	TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN
E5.1	TYPICAL DETAILS
E5.2	TYPICAL DETAILS

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ELECTRICAL SYMBOL LEGEND, AND NOTES

**PIONEER DRIVE ELEMENTARY SCHOOL
5 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT**
4404 PIONEER DRIVE, BAKERSFIELD, CA 93306

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