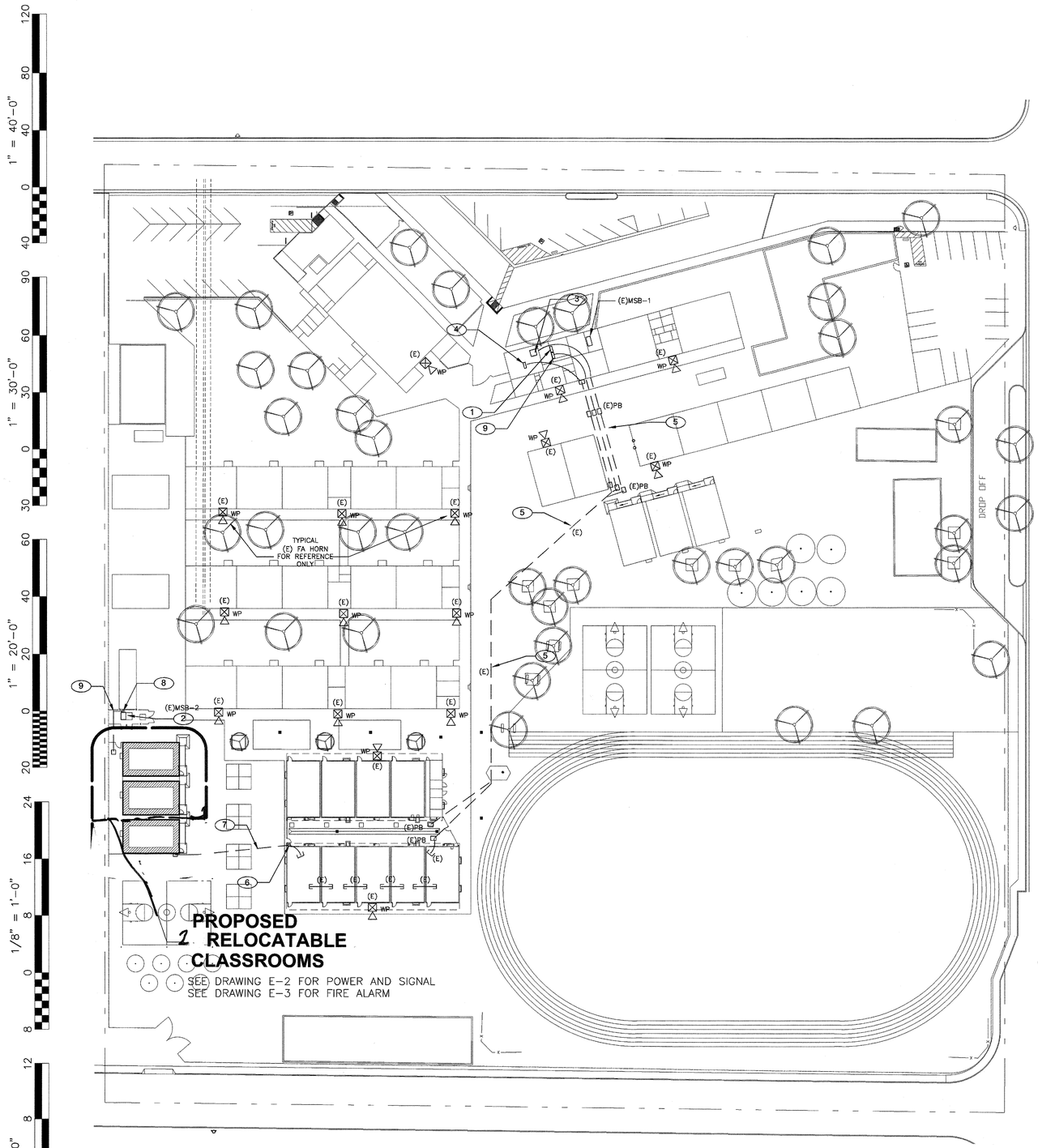

SITE PLAN - ELECTRICAL

SCALE : 1" = 40' - 0"

SHEET NOTES

1. APPROXIMATE LOCATION OF EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL & VOICE EVACUATION PANEL TO REMAIN IN SERVICE. PROVIDE CONNECTION FOR NEW FIRE ALARM DEVICES PER PLANS, UPDATE NEW FIRE ZONE MAP. PROGRAM NEW DEVICES INFORMATION, MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUITS, AND FACP STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
2. APPROXIMATE LOCATION OF EXISTING 800A MAIN SWITCHBOARD. REUSE EXISTING CIRCUIT BREAKERS PER PLANS. SEE SINGLE LINE DIAGRAM 1/E-4.
3. APPROXIMATE LOCATION OF EXISTING PA/IC EQUIPMENT IN ADMIN OFFICE. INSTALL NEW SIGNAL CABLE AND PROVIDE CONNECTION FOR NEW SIGNAL DEVICES PER PLANS. EXISTING SPARE CABLE MAY BE REUSED. FIELD VERIFY.
4. APPROXIMATE LOCATION OF EXISTING DATA MDF SERVER EQUIPMENT IN ADMIN OFFICE. INSTALL NEW FIRE ALARM CABLE AND NEW DATA DEVICES PER PLANS.
5. EXISTING SIGNAL CONDUITS PATHWAY, FOR REFERENCE ONLY. PULL BACK NEW CABLES PER PLANS. SEE RISER DIAGRAMS ON DRAWING E-4. CONTRACTOR SHOULD INCLUDE ALLOWANCE IN HIS BID PROPOSAL TO FIELD VERIFY EXACT LOCATION AND CONDITION AS REQUIRED.
6. PROVIDE OUTDOOR SIGNAL TC 24"x24"x4" ON EXTERIOR WALL AT ATTIC LEVEL. CORE DRILL AND STUB (2)2"C INTO BUILDING ATTIC SPACE, PATCH AND SEAL EXTERIOR WALL AS REQUIRED. FIELD VERIFY LOCATION.
7. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL (1)2"C COMM, (1)2"C SIGNAL, (1)1-1/2"C FA, (1)2"C SPARE.
8. PROVIDE OUTDOOR PULL CAN 24"x24"x4" ON EXISTING MAIN SWITCHBOARD. FIELD VERIFY LOCATION. SEE SINGLE LINE DIAGRAM 1/E-4.
9. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL (4)2"C POWER. SEE SINGLE LINE DIAGRAM 1/E-4.

(E) _____ INDICATE EXISTING CONDUIT AND WIRING. FOR REFERENCE ONLY, FIELD VERIFY AS REQUIRED.

PROJECT NOTES

A. EXISTING ELECTRICAL SERVICE HAS BEEN INVESTIGATE AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION AS SHOWN ON THESE PLANS OR
B. SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR THE ADDITIONAL LOAD.
C. SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TEST
D. CONTRACTOR TO MONITOR EXISTING FIRE ALARM SYSTEM IF IT IS INTERRUPTED OR DISCONNECTED.

SEISMIC ANCHORAGE

1. TO COMPLY WITH 2016 CBC, TITLE 24, SECTION #1632A.
2. 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.

CODE RULES AND REGULATIONS

ALL WORK AND MATERIAL SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, THE CALIFORNIA ELECTRICAL CODE; THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND OTHER APPLICABLE STATE LAWS OR REGULATIONS. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS:

2016 CALIFORNIA ELECTRIC CODE (CEC).
2016 CALIFORNIA FIRE CODE (CFC).
2016 TITLE 19 (CCR), PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
2016 NFPA 72 (CALIFORNIA AMENDED) – NATIONAL FIRE ALARM CODES. POLICY #95-03, FIRE AND LIFE SAFETY, DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES.

U.S.A. - UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG: 1-800-642-2444

THE LOCATION OF EXISTING UNDERGROUND UTILITIES WERE TAKEN FORM SOURCES BELIEVED TO BE RELIABLE, HOWEVER, THEY HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THIS ENGINEER. THE CONTRACTORS SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTIFY OWNER 72 HOURS PRIOR TO ANY EXCAVATION

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAILS IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A. 1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHTING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 12.6.8, 13.6.5.6 AND 2016 CBC, SECTION 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENT ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP☐ MD☐ PP☐ E☑ – OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E☐ – OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____.

MP☐ MD☐ PP☐ – OPTION 3: SHALL COMPLY WITH SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

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Revision:	Revision Description:	Rev. Date:
Revision:	Revision Description:	Rev. Date:

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
MUNSEY ELEMENTARY PORTABLES
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE, BAKERSFIELD, CA

Sheet Title: SITE PLAN - ELECTRICAL

Issue Date:	Date:	Designer:	DR:	PC:
00/00/17	06/05/17	J CHONG	J CHONG	1

Agency Approval Stamp:

FILE #: _____
IDENTIFICATION STAMP
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Exp.6/30/2018
ELECTRICAL
STATE OF CALIFORNIA

Job No.: 5268

Sheet No.: E-1

Release: