



SEE DRAWING E-2 FOR POWER AND SIGNAL  
SEE DRAWING E-3 FOR FIRE ALARM

"A" STREET

**SITE PLAN - ELECTRICAL**

SCALE : 1" = 30' - 0"

**SHEET NOTES**

- 1 APPROXIMATE LOCATION FOR EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL TO REMAIN IN SERVICE. PROVIDE CONNECTION TO NEW FIRE ALARM DEVICES PER PLANS. UPDATE NEW FIRE ZONE MAP AND PROGRAM NEW DEVICES INFORMATION. MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH FAC SIGNAL CIRCUITS, AND FAC STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FAC CABINET DOOR.
  - 2 APPROXIMATE LOCATION FOR EXISTING PAD MOUNT TRANSFORMER AND DISTRIBUTION PANEL. PROVIDE NEW CONDUIT, FEEDERS AND POWER CONNECTION FOR NEW RELOCATABLE CLASSROOM BUILDINGS PER PLANS. SEE SINGLE LINE DIAGRAM.
  - 3 APPROXIMATE LOCATION FOR EXISTING PA/C/TELEPHONE EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
  - 4 APPROXIMATE LOCATION FOR EXISTING COMPUTER M/F SERVER EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
  - 5 APPROXIMATE LOCATION FOR EXISTING MASTER INTRUSION ALARM EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
  - 6 (E) SIGNAL TO ON EXTERIOR WALL. SEE RISER DIAGRAMS.
  - 7 (E) EXIT SURFACE MOUNT SIGNAL CONDUITS, PULL IN NEW SIGNAL CONDUCTORS PER PLANS. SEE RISER DIAGRAMS.
  - 8 (E) U/G SIGNAL CONDUITS, FIELD VERIFY EXISTING STUB OUT LOCATION. PULL IN NEW SIGNAL CONDUCTORS PER PLANS. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.
  - 9 FURNISH AND INSTALL A NEW FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. SURFACE MOUNT NEXT TO (E) FACE. FIELD VERIFY EXACT LOCATION. SEE FA DRAWING E-3 RISER DIAGRAM.
  - 10 EXISTING FA JUNCTION BOX ON EXTERIOR WALL. EXTEND NEW UNDERGROUND CONDUIT AND CONDUCTORS TO NEW FA DEVICES PER PLANS. SEE DRAWING E-3 FOR MORE INFORMATION.
  - 11 EXISTING UNDERGROUND FA CONDUIT, FIELD VERIFY EXISTING STUB OUT LOCATION. PULL IN NEW FA CONDUCTORS PER PLANS. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.
- (E) --- INDICATE EXISTING CONDUIT AND WIRING. FOR REFERENCE ONLY, FIELD VERIFY AS REQUIRED.

**PROJECT NOTES**

1. SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR THE ADDITIONAL LOAD.
2. SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TEST.
3. CONTRACTOR TO MONITOR EXISTING FIRE ALARM SYSTEM IF IT IS INTERRUPTED OR DISCONNECTED.

**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 2013 CBC, SECTIONS 1916A.1.10 THROUGH 1916A.1.20 AND ASCE 7-10 CHAPTER 13.1, 20 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR REMOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HANG WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS SECURED 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 DETAIL 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 WEIGHING 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 HANG 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.A, 13A.6.6 AND 2013 CBC, SECTION 1916A.1.20, 1916A.1.21, 1916A.1.22 AND 1916A.1.23.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE GROUP PRE-APPROVALS (GPA #) AS DESCRIBED TO SATISFY ANCHORAGE REQUIREMENTS OF AC 318, APPENDIX D. COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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**SITE PLAN - ELECTRICAL**

**6 RELOCATABLE CLASSROOMS**  
**FRANKLIN ELEMENARY SCHOOL**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2400 TRUXTUN AVE., BAKERSFIELD, CA

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