



**SITE PLAN - ELECTRICAL**  
 SCALE : 1" = 30' - 0"

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

- SHEET NOTES**
- 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 WAO SIGNAL CIRCUITS, AND FACT STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
  - EXISTING FIRE ALARM DIGITAL VOICE COMMAND CENTER AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. SURFACE MOUNT NEXT TO (E) FACE. FILED VERIFY EXACT LOCATION.
  - APPROXIMATE LOCATION FOR EXISTING PA/IC EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
  - APPROXIMATE LOCATION FOR EXISTING COMPUTER M/D SERVER EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
  - APPROXIMATE LOCATION FOR EXISTING MASTER INTRUSION ALARM EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
  - (E) SIGNAL CONDUITS, PULL IN NEW SIGNAL CABLES FOR NEW SIGNAL DEVICES CONNECTION. FIELD VERIFY LOCATION. SEE RISER DIAGRAMS.
  - (E) DIST. PANEL DP. PROVIDE NEW MATCHING BREAKERS AND POWER CONNECTION FOR NEW PORTABLE CLASSROOM BUILDING PRE-WIRED PANELS. SEE SINGLE LINE DIAGRAMS.
  - NEW POWER CONDUIT AND FEEDERS ON EXTERIOR WALL. FILED VERIFY LOCATION. SEE SINGLE LINE DIAGRAMS.
  - EXISTING FIRE ALARM AUDIO AND NAC SIGNAL BOOSTER PANEL AND INTER CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. PROVIDE CONNECTION FOR NEW FA DEVICES PER PLANS. FILED VERIFY EXACT LOCATION.
- (E) INDICATE EXISTING CONDUIT AND WIRING. FOR REFERENCE ONLY. FIELD VERIFY AS REQUIRED.

**MEP COMPONENT ANCHORAGE NOTES**

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE ODA 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 1810A.1.18 THROUGH 1810A.1.28 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR REMOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HANG WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- REMOVABLE 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 DETAIL ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT:

- 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.
- 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 ODA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR SHALL 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, 13.6.A.6 AND 2013 CBC, SECTION 1810A.1.23, 1810A.1.24, 1810A.1.25 AND 1810A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAIL ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE ODA PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 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**

Project Name & Address:  
**WASHINGTON MIDDLE SCHOOL**  
**2 RELOCATABLE CLASSROOMS**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
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