

Z:\Drawing\Jobs\PSA\SCHOOLS\BUREAU\Bakersfield\_City\_Schools\Bakerc Main - The Relocated 1.dwg DATE PLOTTED: 06/02/16 DATE SWED: 06/02/16 BY: Casey JOB #: 15-096.01-JJ

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS	
<b>CODES:</b>	
2013	CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2013	CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. (2012 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2013 CALIFORNIA AMENDMENTS)
2013	CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. (2011 NATIONAL ELECTRICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)
2013	CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. (2012 UNIFORM MECHANICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)
2013	CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. (2012 UNIFORM PLUMBING CODE WITH 2013 CALIFORNIA AMENDMENTS)
2013	CALIFORNIA ENERGY CODE (C.E.C.), PART 6, TITLE 24 C.C.R. (2012 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2013 CALIFORNIA AMENDMENTS)
2013	CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. (2012 INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)
2013	CALIFORNIA REFERENCE STANDARDS CODE (C.R.S.C.), PART 12, TITLE 24 C.C.R.
	TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
<b>STANDARDS AND GUIDES:</b>	
	NFPA 12 (CALIFORNIA AMENDED) - NATIONAL FIRE ALARM CODE, 2013 EDITION
	ADAAG - AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES
	UL 30 - MANUAL OPERATING SIGNAL BOXES, 2013 EDITION
	UL 260 - SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2013 EDITION
	UL 268A - SMOKE DETECTORS DUCT APPLICATIONS, 2004 EDITION
	UL 464 - AUDIBLE SIGNAL APPLIANCES, 2012 EDITION
	UL 521 - HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2010 EDITION
	UL 864 - CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2012 EDITION

SEISMIC ANCHORAGE REQUIREMENTS	
<b>MECHANICAL, ELECTRICAL AND PLUMBING ANCHORAGE NOTE</b>	
ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.10 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.	
<ol style="list-style-type: none"> <li>ALL PERMANENT EQUIPMENT AND COMPONENTS.</li> <li>TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.</li> <li>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.</li> </ol>	
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.	
<ol style="list-style-type: none"> <li>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.</li> <li>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 HUNG FROM A WALL.</li> </ol>	
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.	
<b>PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE</b>	
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 13.6.2, 13.6.3, 13.6.5.6 AND 2013 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.	
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM#).	
COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOB SITE 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.	

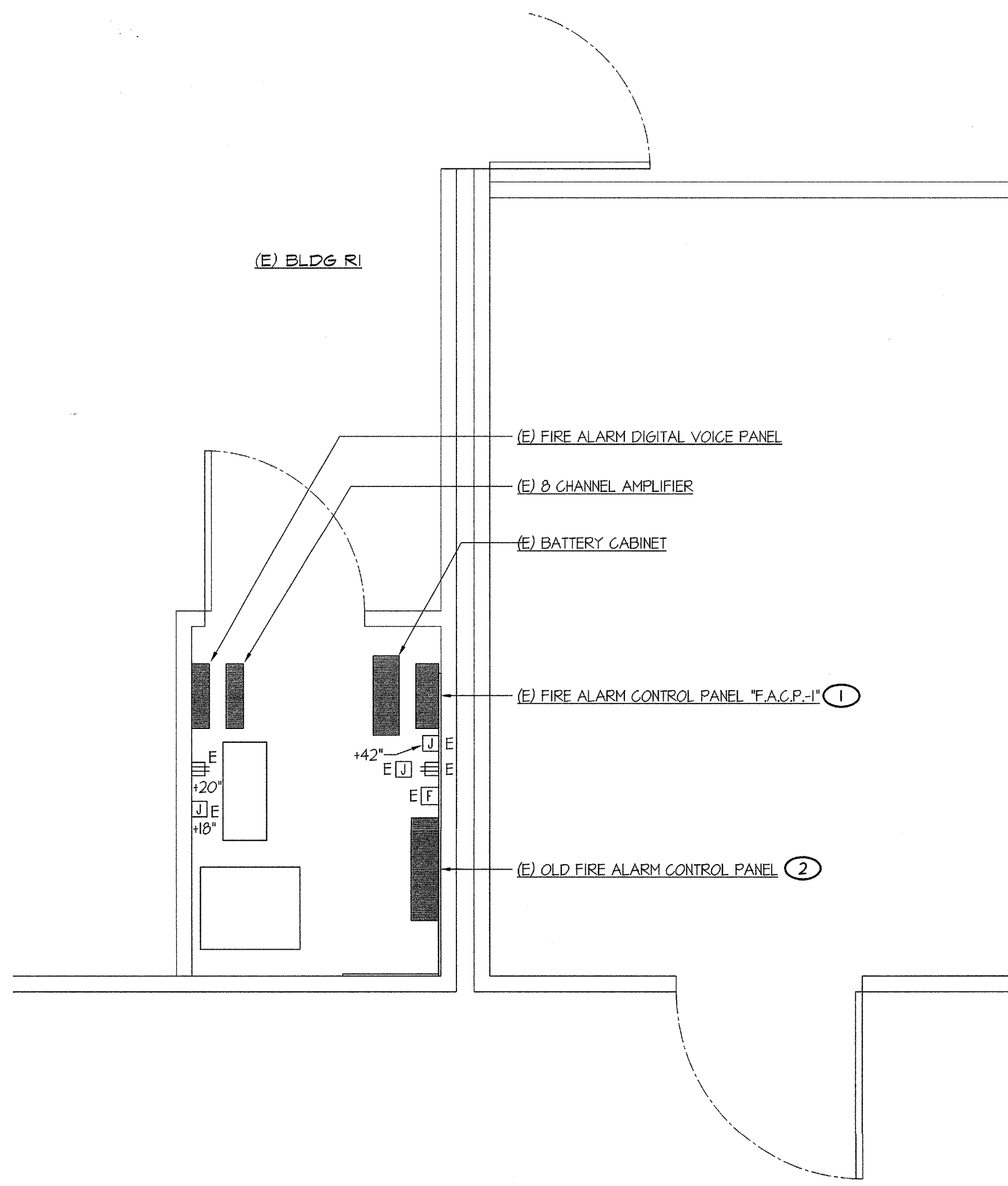
TITLE 24, PART 6		
THE CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.		
CODE, RULES AND REGULATIONS		
ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.		
<p>(A) TOP OF OUTLET BOX FOR RECEPTACLES, SWITCHES AND CONTROLS.</p> <p>(B) BOTTOM OF OUTLET BOX FOR RECEPTACLES, SWITCHES AND CONTROLS.</p>		
<p>1 ELECTRICAL RECEPTACLE SWITCH AND CONTROL HEIGHTS</p>		

MARK	DATE	REVISIONS
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CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

**SITE IMPROVEMENTS FOR (2) MODULAR CLASSROOMS AT:**  
**HORACE MANN ELEMENTARY SCHOOL**  
 2710 NILES STREET, BAKERSFIELD, CA, 93306  
 FOR  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
 BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APP# 03-117875  
 FILE: 15-6  
 AC: [initials] FS: [initials] SS: [initials]  
 DATE: JUL 27 2016  
 PTN: 63321-223



- NOTES (THIS SHEET ONLY):**
- TO REMAIN IN USE. PROVIDE PROGRAMMING AS REQUIRED FOR THE NEW DEVICES INSTALLED AT THE NEW RELOCATABLE BUILDINGS.
  - TO REMAIN IN USE. NO WORK REQUIRED.

ELECTRICAL SYMBOLS	
ALL DIMENSIONS TO CENTER OF BOX, U.O.N.	
⊕	HOME RUN 3/4" - MIN. (PANEL A, CIRCUIT #3)
←	CONDUIT RUN IN WALL OR ATTIC (1/2" - 2 #12 ANG THIN + 1 #12 GND)
→	CONDUIT RUN IN FLOOR OR US (1/2" - 2 #12 ANG THIN + 1 #12 GND)
→	CONDUIT STUB - CAPPED AND LABELED.
①	ELECTRICAL KEYNOTE #, REFER TO NOTES ON SAME SHEET
U.O.N.	UNLESS OTHERWISE NOTED
M.P.	WEATHERPROOF
▭	TERMINAL CABINET (SIZE AS SHOWN)
▭	ELECTRICAL PANELBOARD
▭	SURFACE MOUNTED DUPLEX RECEPTACLE ON WALL (18" U.O.N.)
⊕	JUNCTION BOX EQUIPPED WITH BLANK COVER
⊕	ADDRESSABLE SMOKE DETECTOR MOUNTED ON CEILING
⊕	HEAT DETECTOR MOUNTED IN ACCESSIBLE ATTIC
⊕	ADDRESSABLE MONITOR MODULE
⊕	ADDRESSABLE MANUAL PULL STATION
(A) ⊕	FIRE ALARM VISUAL STROBE, 30 CANDELA, CEILING MOUNTED
(B) M.P.	FIRE ALARM EXTERIOR SPEAKER IN WALL
⊕	ADDRESSABLE SUPERVISED OUTPUT MODULE
⊕	SURFACE MOUNTED JUNCTION BOX ON WALL

**ELECTRICAL SYMBOLS NOTES:**

(A) REFER TO FIRE ALARM DEVICES ELEVATION DETAIL #5/E3.2 FOR RESPECTIVE MOUNTING HEIGHTS.

(B) SEE FIRE ALARM PLAN FOR MOUNTING HEIGHTS.

**(E) ADMIN. SIGNALS EQUIPMENT ROOM ELECTRICAL PLAN**

SCALE: 1/2" = 1'-0"

**COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL**

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.5.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

**ARCHITECT**

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 Electrical Consultants  
 131 S. Dunworth - (559) 733-2671  
 Visalia, California 93292-6705

**ELECTRICAL SYMBOLS, CODES AND PARTIAL ADMIN. ELECTRICAL ROOM PLANS**

JOB NO.  
**1225**

DRAWN:  
 TW

CHECKED:  
 DS

DATE:  
 05-25-16

**1.1**  
 OF SHEETS