

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 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.

TITLE 24

DIVISION 9 OF THE CALIFORNIA ENERGY CONSERVATION STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.

ELECTRICAL SYMBOLS
ALL DIMENSIONS TO CENTER OF BOX, U.O.N.

3-	CIRCUIT NUMBER	(3-A-150)
-A-	FIXTURE TYPE	(3-A-150)
-150	FIXTURE WATTAGE	(3-A-150)
Ⓢ	HOME RUN 3/4" C-MIN. (PANEL A, CIRCUIT #3)	
—	CONDUIT RUN IN WALL / ATTIC (1/2" C-2*12 AWG TW + 1*12 GND)	
—	" " " IN FLOOR OR U.G.	
—	ANY CONDUIT RUN 1/2" C-3*12 AWG TW + 1*12 GND	
—	" " " 3/4" C-4*12 " " " " " "	
—	" " " 1/2" C-5*12 " " " " " "	
—	" " " 1" C-6*12 " " " " " "	
—	TERMINAL CABINET	SIZE AS SHOWN
—	DISTRIBUTION PANEL	
◀	TELEPHONE OUTLET IN WALL (+12" U.O.N.)	
⊙	" " " IN FLOOR	
⊕	DUPLEX RECEPTACLE IN WALL (+12" U.O.N.)	
⊙	" " " IN FLOOR	
⊕	SPECIAL OUTL AS NOTED ON DWGS (+12" U.O.N.)	
⊕	JUNCTION BOX W/FLEX CONNECTION	
○	CEILING MOUNTED FIXTURE	
HO	WALL " " " " " " " " " " " "	MT AS SHOWN
□	RECESSED " " " " " " " " " " " "	IN CEILING
□	FLUORESCENT " " " " " " " " " " " "	MT AS SHOWN
⊙	NIGHT LIGHT	
⊗	EXIT " " " " " " " " " " " "	
⊙	MOTOR	
⊕	EXHAUST FAN	
\$	SWITCH (+4" U.O.N.)	
\$	" " " " " " " " " " " "	
\$	THREE WAY (" " " " " " " " " " " "	
⊕	THERMOSTAT (+4" U.O.N.)	
⊕	TIME SWITCH FLUSH MTD (U.O.N.)	
⊕	PHOTO CONTROL ON ROOF	
U.O.N.	UNLESS OTHERWISE NOTED	
□	FUSED DISCONNECT SWITCH BY ELEC CONTR (U.O.N.)	
E	SUBSCRIPT DENOTES EXIST'G DEVICE / ITEM TO REMAIN	
R	SUBSCRIPT DENOTES REMOVE EXIST'G DEVICE	
⊕	FIRE ALARM PULL STATION @ +48" U.O.N.	
⊕	FIRE ALARM HORN @ +8'-0" U.O.N.	
⊕	FIRE ALARM VISUAL UNIT @ +7'-6" U.O.N. (W.C.M.)	
⊕	PROGRAM CLERK - EXIST'G U.O.N.	
⊕	PROGRAM BELL - EXIST'G U.O.N.	
⊕	MOTION SENSOR ON CEILING FOR LIGHTING CONTROL	
⊕	MOTION SENSOR SWITCHPACK IN ACCESSIBLE ATTIC	
RTI	FIRE ALARM REMOTE TROUBLE INDICATOR	

GENERAL NOTES (TYPICAL AT ALL BUILDINGS):

- SEE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF ALL HVAC AND PLUMBING EQUIPMENT.
- ALL LINE & LOW VOLTAGE CONDUIT AND WIRING FOR MECHANICAL EQUIPMENT CONTROLS IS TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTROLS CONTRACTOR.
- AT ANY WALL RECEIVING NEW TACKBOARD OR GYPSUM BOARD SURFACE: CONTRACTOR SHALL PROVIDE BOX EXTENSION FOR ALL FLUSH MOUNTED ELECTRICAL DEVICES/EQUIPMENT. AT WALLS RECEIVING NEW TACKBOARD, GYPSUM BOARD OR VINYL SURFACE, CONTRACTOR SHALL REMOVE AND REINSTALL ANY SURFACE MOUNTED ELECTRICAL DEVICES/EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR WALL TREATMENT.
- REMOVE ALL ELECTRICAL DEVICES IN WALLS BEING REMOVED. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS. PULL OUT ANY IDLE WIRE. REMOVE ANY EXPOSED CONDUIT.
- WHERE AN ELECTRICAL DEVICE IS REMOVED FROM A WALL THAT REMAINS, PULL OUT ANY IDLE WIRE AND BLANK OFF BOX.
- WHERE AN EXISTING CONVENIENCE OUTLET IS SHOWN TO REMAIN, PROVIDE NEW COVER PLATE AND REPLACE DEVICE.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES.
- WHERE NEW CEILINGS ARE PROVIDED RELOCATE AND RECONNECT ANY DEVICES IN/OH OLD CEILING TO NEW CEILING. ANY DEVICES IN/OH WALLS BELOW OLD CEILING SHALL BE RELOCATED BELOW NEW CEILING AND CONNECTED.

SOUTH REAL ROAD

NOTES (THIS SHEET ONLY)

- CONNECT BLDG. "R1" & "R2" FEEDER TO NEW 40/2 BKR (SEE 1/E4).
- REPLACE WIRE IN EXIST'G CONDUIT WITH 3*8 CU TW.
- EXIST'G WEATHERHEAD TO REMAIN.
- REPLACE EXIST'G OVERHEAD CABLE WITH NEW #6 AL TRIPLEX SELF-SUPPORTING DROP CABLE.
- WEATHERHEAD ABOVE ROOF WITH (1) DOWN TO NEW FIRE ALARM MASTER (HEIGHT & BRACE AS REQ'D).
- NEW OVERHEAD CABLE - CLIFFORD OF VERMONT. FIGURE 8 CABLE WITH 4*12, 4*14.
- WEATHERHEAD & FEEDER PER SHEET #E-8.

CONTRACTOR SHALL SUBMIT FIRE ALARM SHOP DRAWINGS TO C.S.F.M. FOR APPROVAL BEFORE INSTALLATION.

- FIRE ALARM SYSTEM REQUIREMENTS**
- A Fire Alarm System is required in accordance with Title 24, Sec. 809 and shall conform to Title 24, Part 3, Article 760.
 - Indicate what type of system is being provided in accordance with T-24 Sec. 3-760-1 (b)
 - Provide CSFM Listing #s & Model #s for every fire alarm system component.
 - Provide single line, riser and point to point wiring diagrams.
 - Indicate whether the system is independent or interconnected to the existing system.
 - Emergency warning systems are required for the hearing impaired. T-24 2-7204(a)
 - Indicate the type of conductor and whether the system is PHR limited or non-PHR limited.
 - Provide battery calculations for the entire system.

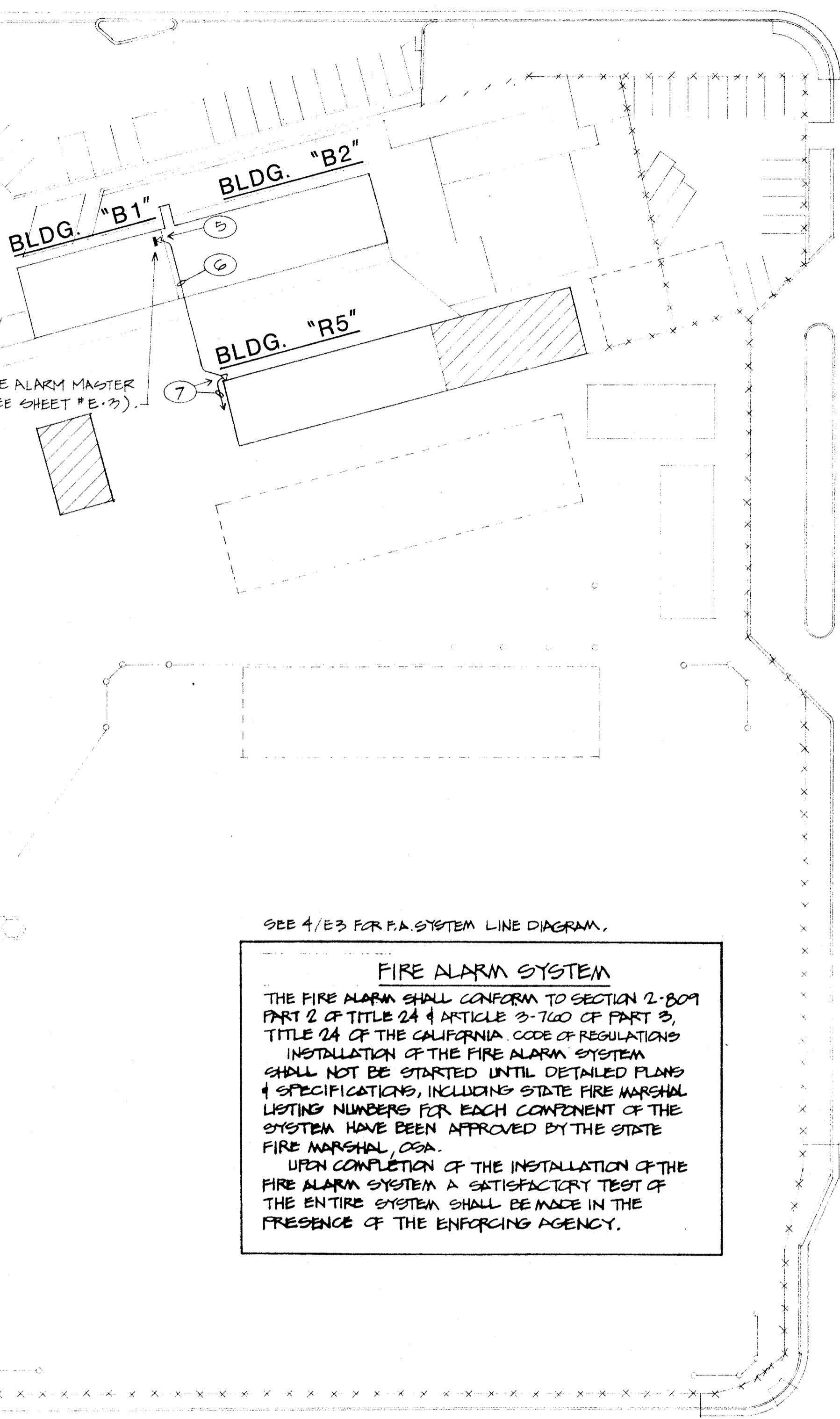
ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE	-22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	-33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIPMENT ON GRADE	-33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIPMENT ON STRUCTURE	-50% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 X HORIZONTAL FORCE.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND THE FIELD REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.

BRAVE AVE.



SEE 4/E3 FOR F.A. SYSTEM LINE DIAGRAM.

FIRE ALARM SYSTEM

THE FIRE ALARM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 & ARTICLE 3-760 OF PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS & SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL, C.S.A.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

UTILITY Co. REQUIREMENTS

VERIFY AND COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS BEFORE BIDDING JOB AND BEFORE CONSTRUCTION:

POWER Co. _____
P.G.#E. JERRY O'HARA Ph. (805) 398-5965
PHONE Co. _____ Ph. _____

P.G. #E. RISER POLE, VERIFY EXACT LOCATION & QUAD W/P.G. #E.

SEE 1/E3 FOR ADD'L WORK IN THIS AREA.

EXIST'G PANEL (REPLACE AS NOTED ON SHEET #E-8)

SITE ELECTRICAL PLAN
SCALE: 1" = 40'-0"

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
524 21 FEB 27 '90

APPLICATION PER W. Job Book NO. _____
CORNELIUS ENGINEERING, INC.
Consulting Electrical Engineer
918 W. Main St. - Ph. 733-2671
Visalia, California 93291
Gerald Cornelius Calif. no. 7198