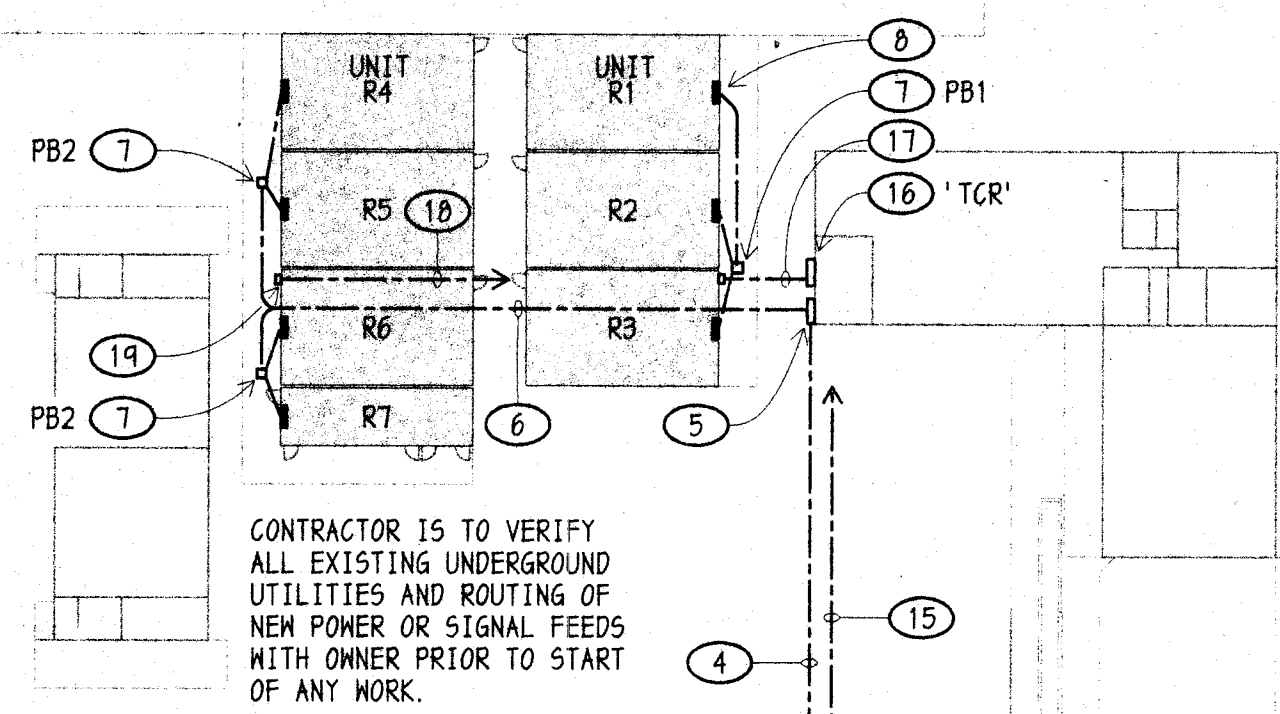


NOTES (SITE PLAN ONLY):

- 1 EXISTING MAIN SWITCHBOARD - 2"ZINGO 120/208V 3Ø 2500AMP REFER TO ONE LINE DIAGRAM FOR WORK REQUIRED. RUN NEW FEEDER OUT SIDE OR TOP OF SWITCHBOARD. PUNCH UP ONTO ROOF. PROVIDE ROOF JACK AS REQUIRED (SEAL AROUND ALL PENETRATIONS TO BE WATER PROOF).
- 2 RUN NEW FEEDER ON TOP OF ROOF. VERIFY EXACT ROUTING WITH OWNER PRIOR TO ANY WORK. PROVIDE BLOCKING AS REQUIRED.
- 3 PROVIDE PULL CAN ON ROOF AT TRANSITION FROM ROOF DOWN EXTERIOR MALL. SEE DETAIL 8/E2.
- 4 RUN NEW FEEDER UNDERGROUND. SAWCUT OR BORE UNDER CONCRETE BARRIERS AS DIRECTED BY OWNER. SAWCUT AND REPAIR THE EXISTING PAVING. VERIFY EXACT ROUTING WITH OWNER PRIOR TO ANY UNDERGROUND WORK.
- 5 INSTALL NEW 400A DISTRIBUTION PANEL 'DP' ON SIDE OF THE EXISTING BUILDING REFER TO ONE LINE DIAGRAM FOR 'DP' REQUIREMENTS.
- 6 RUN NEW POWER DISTRIBUTION FEEDS PER ONE LINE DIAGRAM. TYPICAL.
- 7 INSTALL POWER PULL BOXES PER DETAIL 3/E2. VERIFY EXACT LOCATIONS WITH OWNER PRIOR TO START OF WORK.
- 8 CONNECT AND GROUND ELECTRICAL PANEL PER DETAIL 4/E2 AND ONE LINE DIAGRAM.
- 9 STUB TWO 3" C UP ONTO ROOF FROM 1 (FOR FUTURE USE) CAP OFF ENDS.
- 10 EXISTING SIGNAL CABINET. ACCESS AS REQUIRED FOR NEW SIGNAL CONDUIT FEEDS. VERIFY ROUTING INTO CABINET WITH OWNER. PICK UP AND CONNECT TO AVAILABLE SIGNAL WIRING AS REQUIRED.

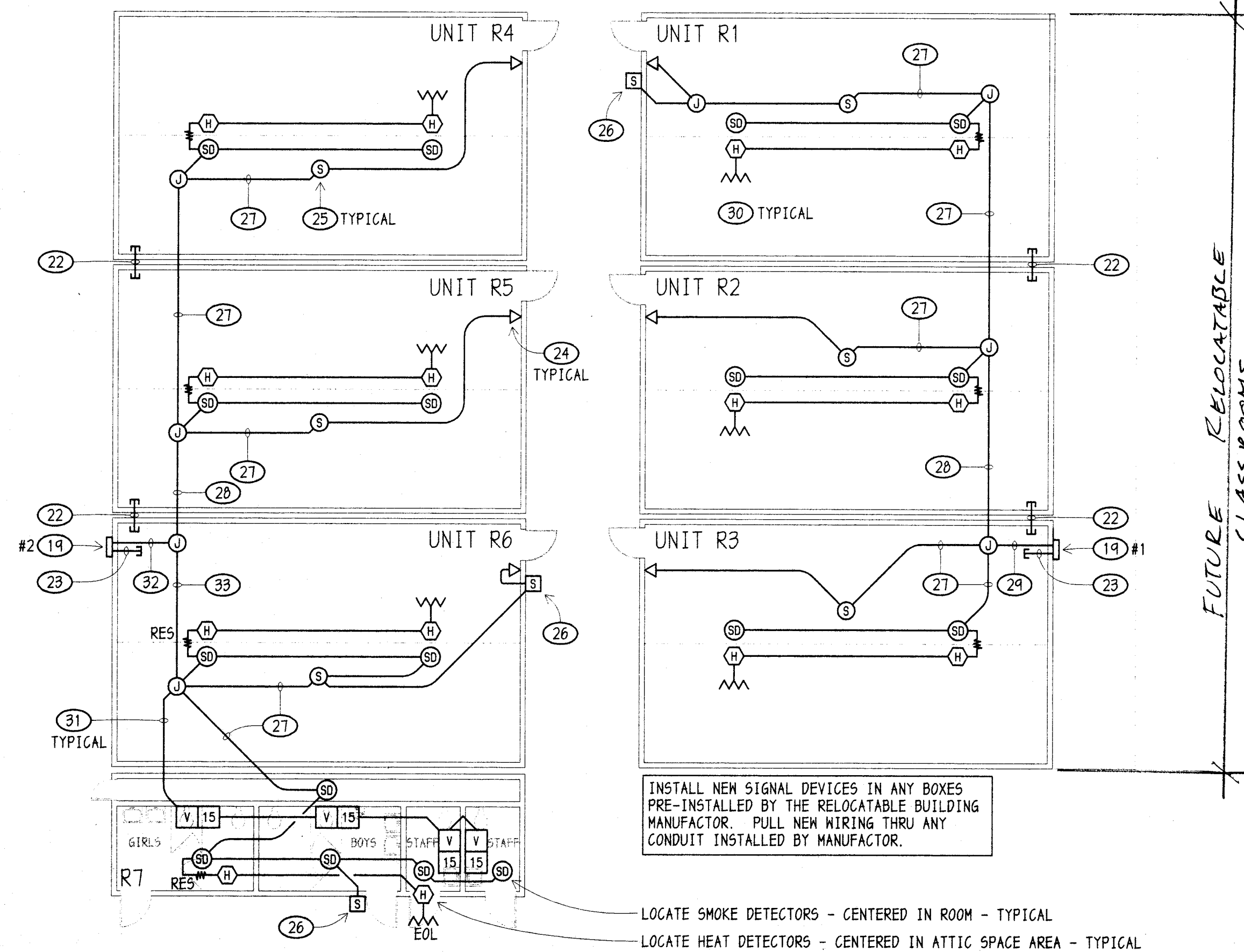
- 11 PULL ONE 25 PAIR TELEPHONE CABLE AND 4 #12 THROUGH EXISTING SIGNAL CONDUITS BACK TO THE EXISTING MASTER EQUIPMENT. REPULL THE EXISTING SIGNAL WIRING AS REQUIRED IN ORDER TO PULL IN THE NEW CABLE/WIRING.
- 12 EXISTING SIGNAL MASTER EQUIPMENT. CONNECT TO 6 CIRCUITS FOR CLASSROOM SPEAKERS AND DETECTORS AND 1 CIRCUIT FOR THE EXISTING EXTERIOR SPEAKERS AND 4 #12 FIRE ALARM.
- 13 RUN 2" C + 25 PAIR TEL CABLE + 1" C - 4 #12 + 2" C (EMPTY SPARE). PROVIDE BLOCKING ON ROOF AS REQUIRED.
- 14 ADD SIGNAL CAN (NEMA 3R) AT ROOF. SEE DETAIL 8/E2.
- 15 RUN THE NEW SIGNAL FEEDS (13) SIMILAR ROUTING AS THE POWER FEED (4). RUN TO THE NEW SIGNAL CABINET 'TCR'.
- 16 ADD SIGNAL CABINET 'TCR' ON MALL SEE DETAIL 7/E2.
- 17 RUN 2" C - 3 'A' CABLES + TWO 2" C SPARES.
- 18 RUN 2" C - 3 'A' CABLES + 1" C - 4 #12 + TWO 2" C SPARES.
- 19 ADD PULL CAN ON SIDE OF BUILDING PER 7/E2 - TWO LOCATIONS.
- 20 EXISTING SIGNAL CABINET.
- 21 RUN TWO 2" C SLEEVES BETWEEN ACCESSIBLE ATTIC SPACES OF BUILDING. PROVIDE AN INSULATED BUSHING, BRIDGEPORT #YMB-56, OR EQUAL AT EACH END OF CONDUIT SLEEVE. PUNCH THRU EXTERIOR WALL STRUCTURE AND SEAL AROUND PENETRATIONS AS REQUIRED TO PREVENT LEAKAGE INTO WALL STRUCTURE.

- 22 STUB TWO 2" C UP INTO ATTIC SPACE. PROVIDE INSULATED BUSHING AT EACH END.
- 24 INSTALL I.C. HANDSET AT JUNCTION BOX SUPPLIED WITH RELOCATABLE BLDG.
- 25 PROVIDE INTERIOR SPEAKER. MOUNT FLUSH IN CEILING CENTERER IN ROOM SPACE.
- 26 PROVIDE EXTERIOR SPEAKER AT JUNCTION BOX SUPPLIED WITH RELOCATABLE BUILDING, ONLY WHERE SHOWN.
- 27 3/4" C - ONE 'A' CABLE - TYPICAL TO ALL DETECTORS/SPEAKER/HANDSET U.O.N.
- 28 3/4" C - TWO 'A' CABLES.
- 29 3/4" C - THREE 'A' CABLES.
- 30 RUN NEW SIGNALS FEEDERS CONCEALED IN ACCESSIBLE ATTIC SPACE/MALLS. IF NOT POSSIBLE, PROVIDE A SURFACE NON-METALLIC RACEMAY SYSTEM (WIREMOLD #800 SERIES OR EQUAL) & INSTALL SURFACE ON WALLS & CEILING AS REQUIRED. VERIFY ANY EXPOSED ROUTINGS WITH ARCHITECT & OWNER PRIOR TO INSTALLING.
- 31 1/2" C - 4 #12
- 32 1" C - THREE 'A' CABLES + 4 #12.
- 33 3/4" C - ONE 'A' CABLE + 4 #12.



CONTRACTOR IS TO VERIFY ALL EXISTING UNDERGROUND UTILITIES AND ROUTING OF NEW POWER OR SIGNAL FEEDS WITH OWNER PRIOR TO START OF ANY WORK.

VERIFY EXACT LOCATIONS AND PHONE DIALER FOR THE FIRE ALARM OFF SITE MONITORING CONNECT TO THE EXISTING FIRE ALARM PANEL AND TO THE TELEPHONE EQUIPMENT.



INSTALL NEW SIGNAL DEVICES IN ANY BOXES PRE-INSTALLED BY THE RELOCATABLE BUILDING MANUFACTURER. PULL NEW WIRING THRU ANY CONDUIT INSTALLED BY MANUFACTURER.

LOCATE SMOKE DETECTORS - CENTERED IN ROOM - TYPICAL
LOCATE HEAT DETECTORS - CENTERED IN ATTIC SPACE AREA - TYPICAL

CODE, RULES & 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.

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS

- CODES:
- 1990 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODES, PART 1, TITLE 24
 - 1990 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 (1997 UNIFORM BUILDING CODE AND CALIFORNIA AMENDMENTS)
 - 1990 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 (1996 NATIONAL ELECTRICAL CODE AND CALIFORNIA AMENDMENTS)
 - 1990 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 (1997 UNIFORM MECHANICAL CODE AND CALIFORNIA AMENDMENTS)
 - 1990 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 (1997 UNIFORM PLUMBING CODE AND CALIFORNIA AMENDMENTS)
 - 1990 CALIFORNIA FIRE CODE, PART 9, TITLE 24 (1997 UNIFORM FIRE CODE AND CALIFORNIA AMENDMENTS)
 - CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 (1997 UNIFORM BUILDING CODE STANDARDS AND CALIFORNIA AMENDMENTS)
 - PUBLIC SAFETY, TITLE 19, CALIFORNIA CODE OF REGULATIONS, STATE FIRE MARSHAL REGULATIONS
- STANDARDS AND GUIDES:
- NFPA 72, NATIONAL FIRE ALARM CODE 1996 EDITION, WITH CALIFORNIA AMENDMENTS.
 - POLICY #95-03, FIRE AND LIFE SAFETY, DIVISION OF THE STATE ARCHITECT - OFFICE OF REGULATION SERVICES.

FIRE ALARM SYSTEM REQUIREMENTS

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 305.9, CALIFORNIA ELECTRICAL CODE, ARTICLE 760 AND CALIFORNIA FIRE CODE, ARTICLE 10.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, NFPA 72. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY PER CALIFORNIA FIRE CODE.

A CERTIFICATE OF COMPLETION SHALL BE PROVIDED TO THE OWNER PER NFPA 72, CHAPTER 1 AND THE CALIFORNIA FIRE CODE.

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 DB ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.

AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

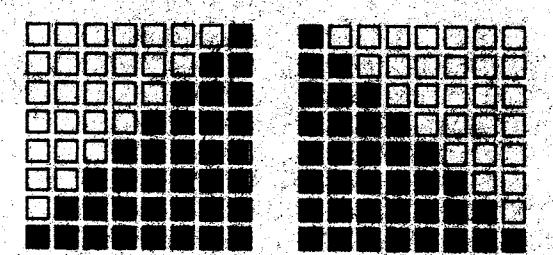
THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 32000 AND 32004, AND BE A TEMPORAL PATTERN, CODE 3.

FIRE ALARM OPERATIONAL MATRIX

DEVICE	ACTIVATE EVACUATION SPEAKERS/HORNS	ANNUNCIATE AT EXIST'G FIRE ALARM CONTROL PANEL	IF POWER FAILURE, TRANSFER TO BATTERY POWER
SMOKE DETECTOR	X	X	—
HEAT DETECTOR	X	X	—
FIRE ALARM CONTROL PANEL	—	—	X

COMPLETE AUTOMATIC FIRE ALARM 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 RESUBMITTED TO THE DIVISION OF THE STATE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.



ORDIZ MELBY ARCHITECTS, INC

5600 MING AVENUE SUITE 280
BAKERSFIELD, CA 93309
TELEPHONE (861) 832-6268
FACSIMILE (861) 832-4291

DANNY E. ORDIZ, AIA, ARCHITECT C-14,728
WILLIAM J. MELBY, AIA, ARCHITECT C-16,836

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATIONS SERVICES

APPL. NO. 03-107512
FILE NO. 15-6

A.C. [Signature] F.L.S. [Signature] S.S. [Signature]

DATE: [Signature]

PTN #63321-16
PORTABLES AT:

CHIPMAN JR HIGH FOR BAKERSFIELD CITY SCHOOL DISTRICT

2301 PARK DRIVE BAKERSFIELD, CALIFORNIA 93306

MARK	DATE	DESCRIPTION
SD	/ /	DISTRICT REVIEW
CD		
△		
△		

JOB NUMBER: 20020640
CAD DWG FILE: E
DRAWN BY: EMS
CHECKED BY: XXX
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.
THE DRAWINGS, DEAS AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.
COPYRIGHT: ORDIZMELBY ARCHITECTS, INC. 2000
SHEET TITLE

SITE ELECTRICAL PLAN
SHEET IDENTIFICATION NUMBER - E1
SHEET 00 OF 00



CORNELIUS CONSULTING GROUP, INC.
Consulting Electrical Engineers
1311 S. Dunworth - Ph: 733-2671
Visalia, California 93292-6705

X:\J085154\0015\BIFIELD\03\05\4515TES\CHI\PHAN\SITE\EKO.2D 01-17-03 BY:EMS CGR#2242

PLAN NORTH
SITE ELECTRICAL PLAN

1" = 40'-0"

PARTIAL ENLARGED PLAN

1" = 10'-0"