

# PARTIAL SITE POWER DISTRIBUTION PLAN

**ORDIZ MELBY ARCHITECTS, INC.**  
 3000 BIRDA AVENUE SUITE 260 BAKERSFIELD, CALIFORNIA 93309  
 TEL: 805.335.4400 FAX: 805.335.4401

**DATE:** 01-13-15  
**PROJECT:** 2004-82-E-1 D.W.G.  
**DRAWN BY:** DAJ  
**CHECKED BY:** VWW

**CONTRACTOR:**  
 ORDERLEY ARCHITECTS, INC. 2002

**STATE OF CALIFORNIA**  
**REGISTERED ARCHITECT**  
 No. 6-1803  
**DANNY E. GRIZZI, AIA**  
 ARCHITECT/OWNER

**ARCHITECT/OFFICE:**  
 WILLIAM J. MELBY, AIA  
 ARCHITECT/OFFICE

**PTN: 63321-50**

**SITE IMPROVEMENTS PORTABLE CLASSROOMS AT CHIPMAN JUNIOR HIGH SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT**

**83300**

**01-13-15**

**CCD #01**

MARK	DATE	DESCRIPTION
SD		
DD		
X		
X		
X		

**PLEASE CHECK AND VERIFY ALL DIMENSIONS BEFORE REPORTING DIMENSIONS TO THE ARCHITECT. THE DIMENSIONS, DEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE RESPONSIBILITY OF THE ARCHITECT.**

**CONTRACTOR:**  
 ORDERLEY ARCHITECTS, INC. 2002

**DATE:** 01/27/15

**APPROVED:**  
 DIVISION OF THE STATE ARCHITECT  
 LOS ANGELES REGIONAL OFFICE

**ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITIONS OF THE CALIFORNIA ELECTRICAL CODES AND THE NATIONAL ELECTRICAL CODE UNLESS OTHERWISE SPECIFIED. APPLICABLE STATE ORDINANCES, BUILDING DEPARTMENT REGULATIONS AND ALL OTHER APPLICABLE RULES AND REGULATIONS SHALL APPLY TO THIS PROJECT.**

**ELECTRICAL SYMBOL SCHEDULE**

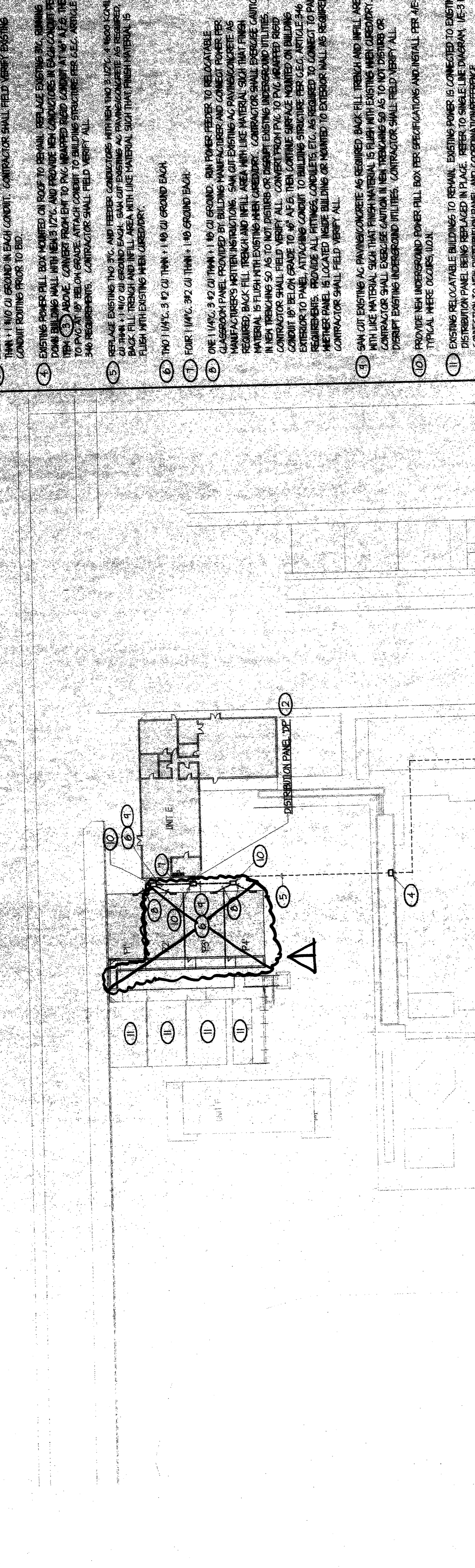
SYMBOL	DESCRIPTION
244-1000	INDICATES LIGHTING FIXTURE CIRCUIT TYPE AND RATING
US	INDICATES UNDERGROUND INSTALLATION
NP	NEUTRAL
AF	FLOOR FINISH
US	UNDERGROUND
⊙	ELECTRICAL FIXTURE (REFER TO NOTES ON SAME SHEET)
⊕	CONDUIT RUN IN WALL OR ATTIC (REFER TO NOTES ON SAME SHEET)
⊖	CONDUIT RUN IN FLOOR OR CEILING (REFER TO NOTES ON SAME SHEET)
⊗	CONDUIT RUN IN WALL OR ATTIC (REFER TO NOTES ON SAME SHEET)
⊘	CONDUIT RUN IN FLOOR OR CEILING (REFER TO NOTES ON SAME SHEET)
⊚	ELECTRICAL PANELBOARD PER PLAN, FLUSH MOUNTED IN WALL
⊛	JUNCTION BOX PROVIDED BY BUILDING MANUFACTURER, ION
⊜	UNDERGROUND SYSTEMS PULL BOX PER PLAN
⊝	UNDERGROUND SYSTEMS PULL BOX PER PLAN
⊞	TELEVISION OUTLET, NP AFF, ION
⊟	SURFACE MOUNTED INTERCOM BEASER PER PLAN
⊠	FIRE ALARM MASTER CONTROL PANEL PER PLAN
⊡	FIRE ALARM MANUAL PULL STATION, 40V AFF, ION
⊢	FIRE ALARM SHOCK DETECTOR ON CEILING, ION
⊣	FIRE ALARM SHOCK DETECTOR ON CEILING, ION
⊤	FIRE ALARM VISUAL ALARM UNIT # 207, ION
⊥	FIRE ALARM VISUAL ALARM UNIT # 207, ION
⊦	FIRE ALARM HORN MOUNTED ON CEILING, ION
⊧	FIRE ALARM HORN MOUNTED ON CEILING, ION
⊨	EXTERIOR SPEAKER # 10" x 6" ION
⊩	FIRE ALARM SIGNALING CIRCUIT END OF THE RESISTOR LOCATED AT THE FIRE ALARM MASTER PANEL, ION

**NOTES:**

- ALL UNDERGROUND SITE CONDUITS SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE.
- REFER TO SHEET E-4 FOR FIRE ALARM DEVICE SCHEDULE

**GENERAL NOTES:**

- ALL EXISTING ELECTRICAL INFORMATION SHOWN HAS BEEN CORRELATED FROM PERMITS, STATE APPROVED CONSTRUCTION PERMITS AND INFORMATION PROVIDED BY THE OWNER'S ELECTRICAL ENGINEER. CONTRACTOR SHALL VERIFY ALL INFORMATION FIELD BY FIELD. THE PRELIMINARY FIELD VERIFICATION OF THIS INFORMATION SHALL BE COMPLETED TO THE PROJECT FOR WHICH IT IS INTENDED.
- ALL EQUIPMENT SHALL HAVE AN INDEPENDENT TESTING LABORATORY LABEL (UL, CUL, ETC) AS REQUIRED BY C.E.C. ARTICLE 10. PROVIDE EVIDENCE OF COMPLIANCE WITH THIS REQUIREMENT WITH EQUIPMENT SUBMITTALS. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BEGINNING PURCHASE PROCESS IF EQUIPMENT PROVIDED IS NOT COMPLIANT WITH THIS REQUIREMENT. WHERE FIELD CERTIFIED PRODUCTS MAY BE REQUIRED FOR FIELD ASSEMBLED COMPONENTS, PROVIDE CERTIFIED REPORT BY AN APPROVED TESTING AGENCY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. ALL TESTING FEES SHALL BE INCLUDED IN CONTRACTOR'S BID.
- WORKING CLEARANCES ABOUT ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF C.E.C. ARTICLE 10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORKING CLEARANCES FOR EQUIPMENT INSTALLED AS PART OF THIS CONTRACT.
- PROVIDE 12" MINIMUM CLEARANCE FROM ALL NEW CONDUIT AND RACEWAY TO ALLOW PROPER LOCATION OF CONDUITS AS REQUIRED, WHETHER OR NOT CONDUITS ARE INSTALLED AT THIS TIME.
- WHERE EXISTING CONDUIT IS BEING REUSED ON THE SITE, NEW CONDUITS SHALL BE RULLED CONTINUOUS AND INSTALLED THROUGH THE EXISTING RACEWAY, RE-FILLING EXISTING CONDUITS AS REQUIRED AND PROVIDING A FULL ROP IN THE EXISTING CONDUIT PER ABOVE.
- FOR ALL ELECTRICAL EQUIPMENT BEING REMOVED, PROVIDE THE OWNER WITH THE FIRST RIGHT OF REFERRAL. IF OWNER EXERCISES THE FIRST RIGHT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL SUCH REMOVED EQUIPMENT COMPLETELY AND IN A PROPER MANNER.
- RELOCATABLE CLASSROOM MANUFACTURERS SHALL PROVIDE AND INSTALL ALL ELECTRICAL CONDUIT, JUNCTION BOXES, PANELS AND TERMINAL CABINETS AS SHOWN ON THE RELOCATABLE CLASSROOM BUILDING MANUFACTURERS BUILDING DRAWINGS.
- RELOCATABLE BUILDING MANUFACTURERS SHALL PROVIDE AND INSTALL 1/2" JUNCTION BOXES WITH SINGLE GANG PLASTER RINGS FOR COMMUNICATION AND FIRE ALARM SYSTEM OUTLETS.
- CONTRACTOR SHALL SUFFICIENTLY ALL BACK BOXES FOR CLOCK AND BREAKER OUTLETS, INSTALL ALL SIGNAL SYSTEMS DEVICES AND WIRING AND CONNECT SAME PER ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL USE JUNCTION AND PULL BOXES PROVIDED BY THE RELOCATABLE BUILDING MANUFACTURER TO THE FULLEST EXTENT POSSIBLE. WHEN NOT POSSIBLE, NEW JUNCTION AND PULL BOXES SHALL BE PROVIDED AT LOCATIONS ON THE BUILDING ELECTRICAL FLOOR PLAN DRAWINGS.
- PROVIDE FIELD VERIFICATION CONDUIT CONNECTION BETWEEN BUILDING MODULES, TYPICAL WHERE BUILDING MODULES OCCUR. CONTRACTOR SHALL VERIFY EXACT LOCATIONS WITH RELOCATABLE BUILDING MANUFACTURER.
- WHERE SURFACE MOUNTED RACEWAY IS REQUIRED WITHIN THE RELOCATABLE CLASSROOM BUILDING, USE SURFACE MOUNTED RACEWAY. MINIMUM 1" MINIMUM RADIUS. APPROVED EQUAL VERIFY ANY SURFACE RACEWAY ROUTING AND FINISH WITH THE ARCHITECT PRIOR TO ORDERING MATERIALS AND COMMENCING WORK IN WORK.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL RACEWAY IN POWER CONNECTION AND SITE DISTRIBUTION REQUIREMENTS PRIOR TO COMMENCING CONSTRUCTION AND RELOCATABLE BUILDING MANUFACTURER AND/OR RELOCATABLE BUILDING MANUFACTURERS BUILDING DRAWINGS.
- CONTRACTOR SHALL WARRANTY ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER.



**IDENTIFICATION STAMP**  
 DR. THE STATE ARCHITECT  
 OFFICE OF PROFESSIONAL SERVICES

**APPROVED**  
 FILE # 2004-82-E-1  
 DATE: JUL 26 2005

**STATE OF CALIFORNIA**  
**REGISTERED ARCHITECT**  
 No. 6-1803  
**DANNY E. GRIZZI, AIA**  
 ARCHITECT/OWNER

**PTN: 63321-50**

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 ORDERLEY ARCHITECTS, INC. 2002

**DATE:** 01/27/15

**APPROVED:**  
 DIVISION OF THE STATE ARCHITECT  
 LOS ANGELES REGIONAL OFFICE

**REGISTRATION STAMP OF THE STATE ARCHITECTS BOARD**  
ARCHITECT No. 14-1635  
DATE EXP. 12/31/2009  
ISSUED 12/31/2008

**REGISTRATION STAMP OF THE STATE ARCHITECTS BOARD**  
ARCHITECT No. 14-128  
DATE EXP. 12/31/2009  
ISSUED 12/31/2008

ANNEXATION PER PARTIAL SITE SIGNAL DISTRIBUTION PLAN THIS SHEET  
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**PTN: 63321-50**  
SITE IMPROVEMENTS  
PORTABLE CLASSROOMS  
AT  
CHIPMAN JUNIOR  
HIGH SCHOOL  
BAKERSFIELD CITY  
SCHOOL DISTRICT  
EISSLER STREET  
BAKERSFIELD,  
CALIFORNIA  
93306

MARK	DATE	DESCRIPTION
SD	XXXX	XXXX
CD	01-13-15	CCD #01
AA		
AA		
AA		

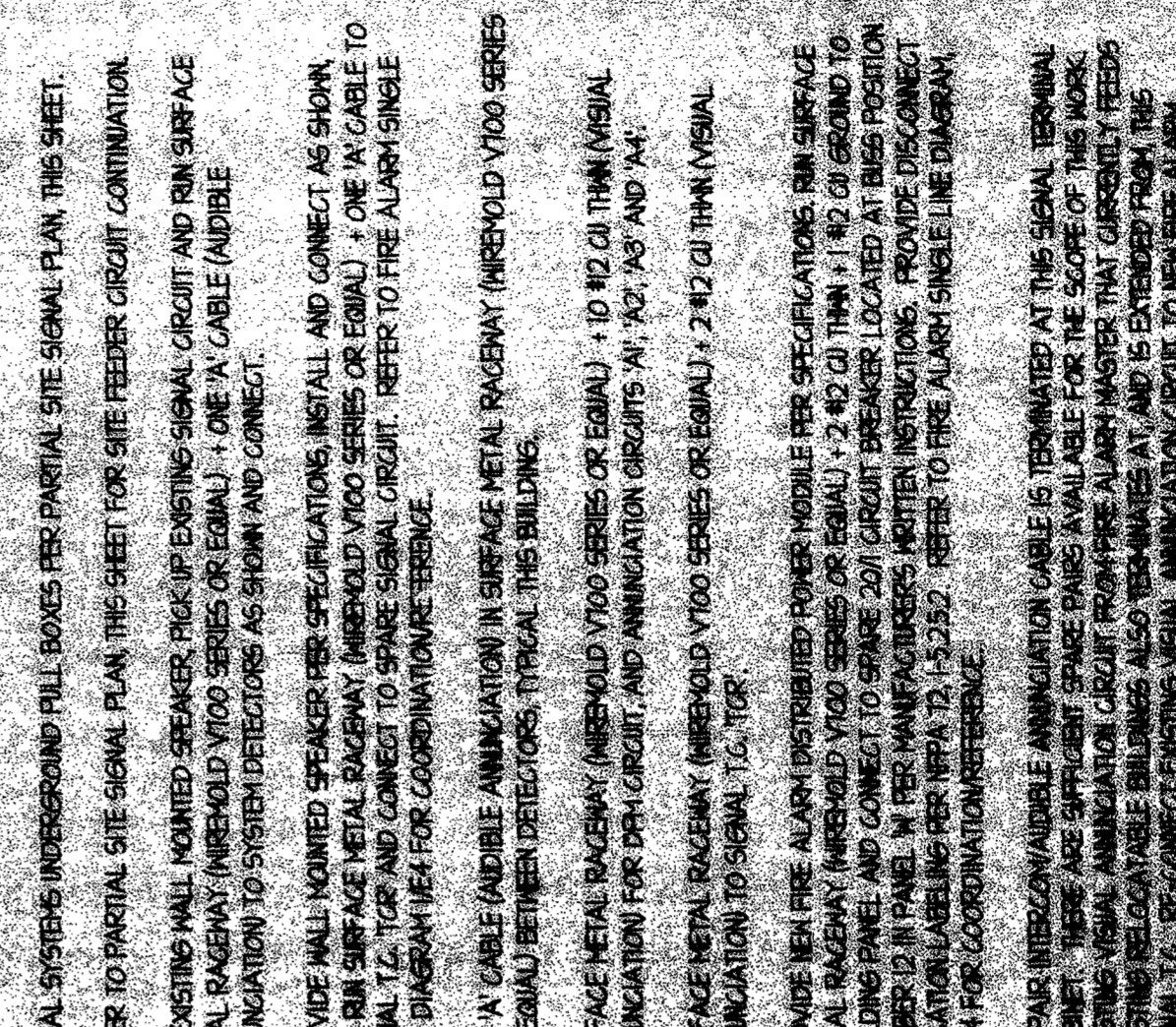
PROJECT NUMBER: 2004771  
CAD DRAWING FILE: 2004-02-E-2.DWG  
DRAWN BY: DAJ  
CHECKED BY: VWW  
CHECK AND VERIFY ALL DIMENSIONS BEFORE REPORT PREPARATION TO THE ARCHITECT. THE DIMENSIONS SHOWN AND DESIGN REPRESENTATION ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.

REGISTERED ARCHITECTS No. 14009

**BUILDING SIGNAL PLAN NOTES**

1. PROVIDE AND INSTALL 6/3/8" x 4" JACKION BOX PER SPECIFICATIONS IN ACCESSIBLE ATTIC SPACE FOR EXTENSION OF SIGNALING CIRCUITS AS SHOWN. TYPICAL WHERE OCCURS.
2. PROVIDE NEW DETECTOR PER SPECIFICATIONS. INSTALL PER JTB-3 AND CONNECT AS SHOWN. TYPICAL WHERE OCCURS. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
3. PROVIDE SPECIFICATIONS PER SPECIFICATIONS. INSTALL PER JTB-3 AND CONNECT AS SHOWN AT BUILDING TERMINAL. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
4. PROVIDE WALL MOUNTED NF-3 EXTENDED SPEASER AT JACKION BOX SUPPLIED BY BUILDING MANUFACTURER PER SPECIFICATIONS. INSTALL PER JTB-3 AND CONNECT AS SHOWN. TYPICAL WHERE OCCURS. REFER TO SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
5. PROVIDE CEILING MOUNTED INTERIOR SPEAKER PER SPECIFICATIONS. INSTALL PER JTB-3 AND CONNECT AS SHOWN. TYPICAL WHERE OCCURS. REFER TO SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
6. PROVIDE VISUAL ANNUNCIATION CIRCUIT PER SPECIFICATIONS. INSTALL PER JTB-3 AND CONNECT AS SHOWN. TYPICAL WHERE OCCURS. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
7. ANNUNCIATION CIRCUIT END OF THE RESISTOR PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
8. INITIATION CIRCUIT END OF THE RESISTOR PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. WALL MOUNTED NF-3 WALL PER PARTIAL SITE SIGNAL DISTRIBUTION PLAN THIS SHEET.
10. SHIB TRU 27C. I/O ACCESSIBLE ATTIC SPACE FOR FUTURE DATA SYSTEMS CABLING EXTENSION BY DIRECT PERSONNEL. PROVIDE AN ISOLATED BRACKET RMB-56 OR EQUAL AT EACH END OF EACH CONDUIT. SLEEVE FOR CABLING PROTECTION. FINCH THROUGH EXTERIOR WALLS AND SEAL ALL PENETRATIONS WITH EPOXY RESIN. PAINT EXPOSED CONDUIT, CONDUIT FITS, ETC. TO MATCH EXISTING ADJACENT FINISHED SURFACES.
11. 1/2" C. FIVE #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 2 #12 @ 18" THIN VISUAL ANNUNCIATION PER PARTIAL SITE SIGNAL DISTRIBUTION PLAN THIS SHEET.
12. 1/2" C. FIVE #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 2 #12 @ 18" THIN VISUAL ANNUNCIATION.
13. 1/2" C. FOUR #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 2 #12 @ 18" THIN VISUAL ANNUNCIATION.
14. 1/2" C. THREE #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 2 #12 @ 18" THIN VISUAL ANNUNCIATION.
15. 3/4" C. ONE #4 CABLE (INTERCOMMUNICABLE ANNUNCIATION) 2 #12 @ 18" THIN VISUAL ANNUNCIATION.
16. TYPICAL 27C. SLEEVES BETWEEN ACCESSIBLE ATTIC SPACES OF ADJACENT BUILDINGS. WHERE OCCURS, PROVIDE AN ISOLATED BRACKET BRACKET RMB-56 OR EQUAL AT EACH END OF EACH CONDUIT. SLEEVE FOR CABLING PROTECTION. FINCH THROUGH EXTERIOR WALLS AND SEAL ALL PENETRATIONS WITH EPOXY RESIN. PAINT EXPOSED CONDUIT, CONDUIT FITS, ETC. TO MATCH EXISTING ADJACENT FINISHED SURFACES.
17. 3/4" C. ONE #4 CABLE (INTERCOMMUNICABLE ANNUNCIATION) CONCEALED IN ATTIC SPACE.
18. 3/4" C. TWO #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) CONCEALED IN ATTIC SPACE.
19. 3/4" C. ONE #4 CABLE (INTERCOMMUNICABLE ANNUNCIATION) 1/2" C. 2 #12 @ 18" THIN VISUAL ANNUNCIATION CONCEALED IN ATTIC SPACE.
20. 1/2" C. 2 #12 @ 18" THIN VISUAL ANNUNCIATION CONCEALED IN ATTIC SPACE.
21. 3/4" C. ONE #4 CABLE (INTERCOMMUNICABLE ANNUNCIATION) 1/2" C. 2 #12 @ 18" THIN VISUAL ANNUNCIATION CONCEALED IN ATTIC SPACE.
22. 1/2" C. 4 #12 @ 18" THIN VISUAL ANNUNCIATION CONCEALED IN ATTIC SPACE.
23. PROVIDE FLEXIBLE CONDUIT CONNECTION AT MIDDLE LINE BETWEEN BUILDING MOBILES. TYPICAL WHERE OCCURS.
24. PROVIDE TELEPHONE HANGSET PER SPECIFICATIONS. INSTALL TO WALL AT BACK BOX PROVIDED BY BUILDING MANUFACTURER AND CONNECT AS SHOWN. TYPICAL WHERE OCCURS.
25. SIGNAL SYSTEMS INTERGROUND PULL BOXES PER PARTIAL SITE SIGNAL PLAN THIS SHEET.
26. REFER TO PARTIAL SITE SIGNAL PLAN THIS SHEET FOR SITE FEEDER CIRCUIT CONTINUATION.
27. AT EXISTING WALL MOUNTED SPEAKER RACK IF EXISTING SIGNAL CIRCUIT AND RUN SURFACE METAL RACEWAY (MEASUREMENT SERIES OR EQUAL) + ONE #4 CABLE (AUDIBLE ANNUNCIATION) TO SYSTEM DETECTOR AS SHOWN AND CONNECT.
28. PROVIDE WALL MOUNTED SPEAKER PER SPECIFICATIONS. INSTALL AND CONNECT AS SHOWN. AND RUN SURFACE METAL RACEWAY (MEASUREMENT SERIES OR EQUAL) + ONE #4 CABLE TO SIGNAL T.C. TOP AND CONNECT TO SHIRE SIGNAL CIRCUIT. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
29. ONE #4 CABLE (AUDIBLE ANNUNCIATION) IN SURFACE METAL RACEWAY (MEASUREMENT SERIES OR EQUAL) BETWEEN DETECTORS. TYPICAL THIS BUILDING.
30. SURFACE METAL RACEWAY (MEASUREMENT SERIES OR EQUAL) + 1 @ 1/2" @ 18" THIN VISUAL ANNUNCIATION FOR DATA CIRCUIT, AND ANNUNCIATION CIRCUITS 'A', 'X', 'Y', 'Z', 'AA' AND 'AA'.
31. SURFACE METAL RACEWAY (MEASUREMENT SERIES OR EQUAL) + 2 #12 @ 18" THIN VISUAL ANNUNCIATION TO SIGNAL T.C. TOP.
32. PROVIDE NEW FIRE ALARM PULL BOX PER SPECIFICATIONS PER SPECIFICATIONS. RUN SURFACE METAL RACEWAY (MEASUREMENT SERIES OR EQUAL) + 2 #12 @ 18" THIN VISUAL ANNUNCIATION TO SIGNAL T.C. TOP AND CONNECT TO SHIRE SIGNAL CIRCUIT. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
33. PULL INTERCOMMUNICABLE ANNUNCIATION CABLE IS TERMINATED AT THE SIGNAL TERMINAL CABINET. THERE ARE SUFFICIENT SPACE PANS AVAILABLE FOR THE SCOPE OF THIS WORK. EXISTING VISUAL ANNUNCIATION CIRCUIT FROM FIRE ALARM MASTER THAT CURRENTLY FEEDS EXISTING RELAYING BUILDING ALSO TERMINATES AT AND IS EXTENDED FROM THIS SIGNAL T.C. TO CONNECT EXISTING VISUAL ANNUNCIATION CIRCUIT TO NEW FIRE ALARM RELAYING BUILDING. VISUAL ANNUNCIATION CIRCUIT FROM SIGNAL T.C. TO NEW FIRE ALARM TERT TO EXISTING EXISTING VISUAL ANNUNCIATION CIRCUIT 'A' AT THIS SIGNAL T.C. AND TEST TO EXISTING EXISTING VISUAL ANNUNCIATION CIRCUIT 'A' AT THIS SIGNAL T.C. AND

4. PROVIDE INTERGROUND SIGNAL SYSTEMS PULL BOX PER SPECIFICATIONS AND INSTALL PER JTB-3. TYPICAL WHERE OCCURS.
5. PROVIDE WALL MOUNTED NF-3 BOX MOUNTED HIGH FROM EXTERIOR WALL OF RELAYING BUILDING (CLASSROOM BUILDING) AND INSTALL PER JTB-3. EXT WALL BOX BELONGS TO BUILDING MANUFACTURER AND RISE SPEAKERS. DRAWINGS AND BUILDING AS SHOWN. SIGNAL PULL BOX PER SPECIFICATIONS. INTERCOMMUNICABLE ANNUNCIATION CIRCUIT AND CONNECT AS SHOWN. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
6. RACK UP EXISTING SPACE SIGNAL SYSTEMS CABLING PAIRS AT EXISTING TERMINAL BLACK WELDED SIGNAL T.C. TOP. PROVIDE NEW CONDUIT COMPLETE FROM TERMINAL CABINET TO BUILDING MOUNTED PULL BOX AND RUN T.C. FOR #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 3/4" C. 2 #12 @ 18" THIN VISUAL ANNUNCIATION TO HIGH RELAYABLE CLASSROOM BUILDINGS AS SHOWN.
7. RACK UP EXISTING AC PAVING/CONCRETE AS REQUIRED. BACK FILL. REMOVE AND REINSTALL WITH LEE MATERIAL SUCH THAT FINISH MATERIAL IS FLUSH WITH EXISTING WALK SURFACE. COMPACT EXISTING INTERGROUND UTILITIES. CONDUITORS SHALL BE COVERED WITH ALL EXISTING MATERIAL.
8. 1/2" C. FOUR #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 2 #12 @ 18" THIN VISUAL ANNUNCIATION.
9. REFER TO PARTIAL SIGNAL PLAN SHEET E-3 FOR ADDITIONAL WORK REQUIRED WITHIN EACH INDIVIDUAL BUILDING. TYPICAL.
10. THE ALARM ANNUNCIATION SIGNAL SOUNDS OVER CAMPAUS INTERCOM SPEAKER SYSTEM THROUGHOUT. ALL SPEASERS SHALL SOUND THE CALIFORNIA CODE GENERATED BY THE FIRE ALARM MASTER. REFER ABOVE. SEPARATE 2400V. FIRE ALARM AUDIBLE ANNUNCIATION DEVICES ARE NOT USED FOR THIS CAMPAUS.



**VEE**  
Consulting Electrical Engineers  
1000 Santa Barbara Street  
Bakersfield, California 93306  
Phone: (805) 758-2200  
Fax: (805) 758-2200  
www.vee-engineers.com

**REGISTERED PROFESSIONAL ENGINEER**  
No. 14780  
Electrical Engineering  
State of California

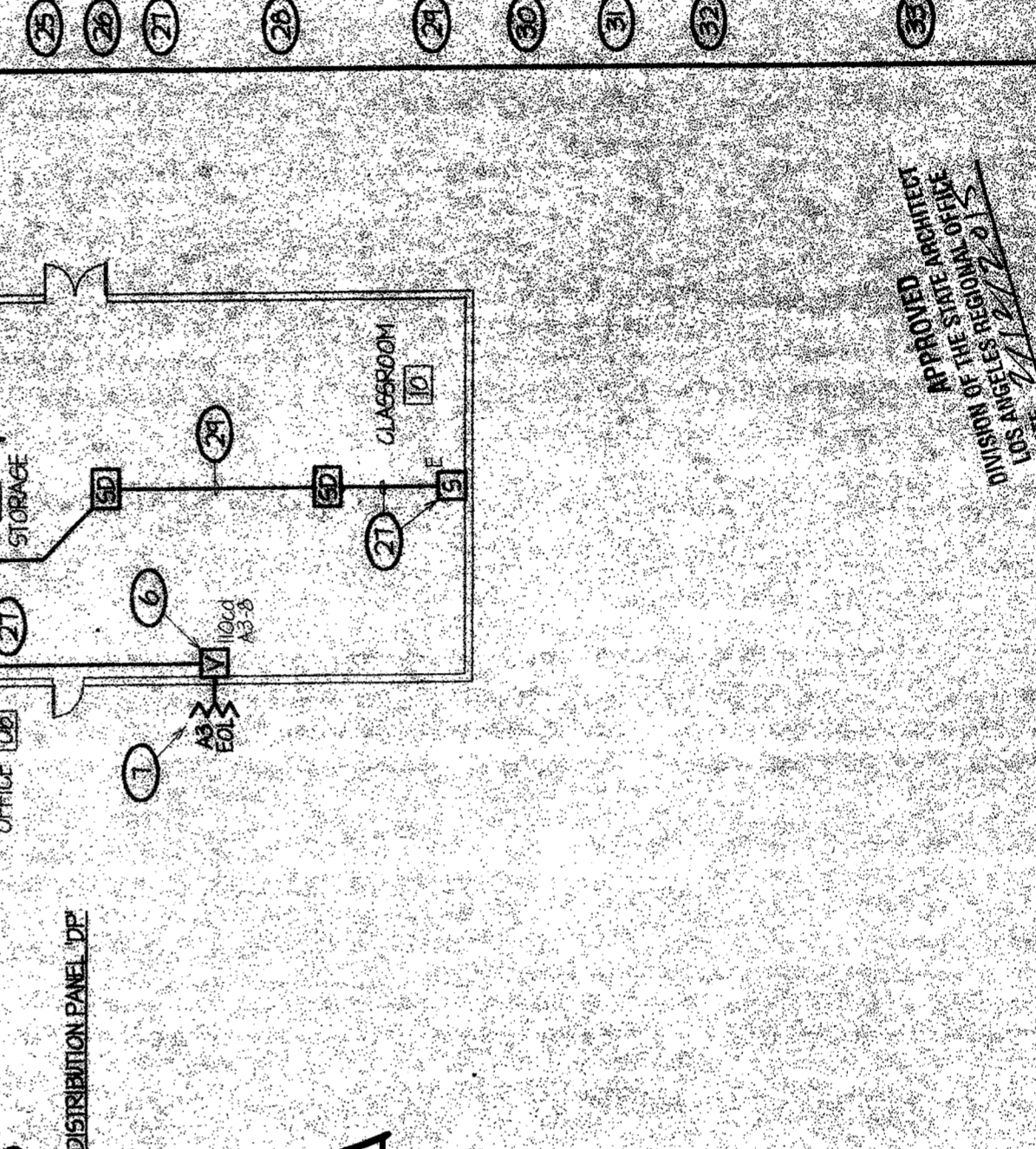
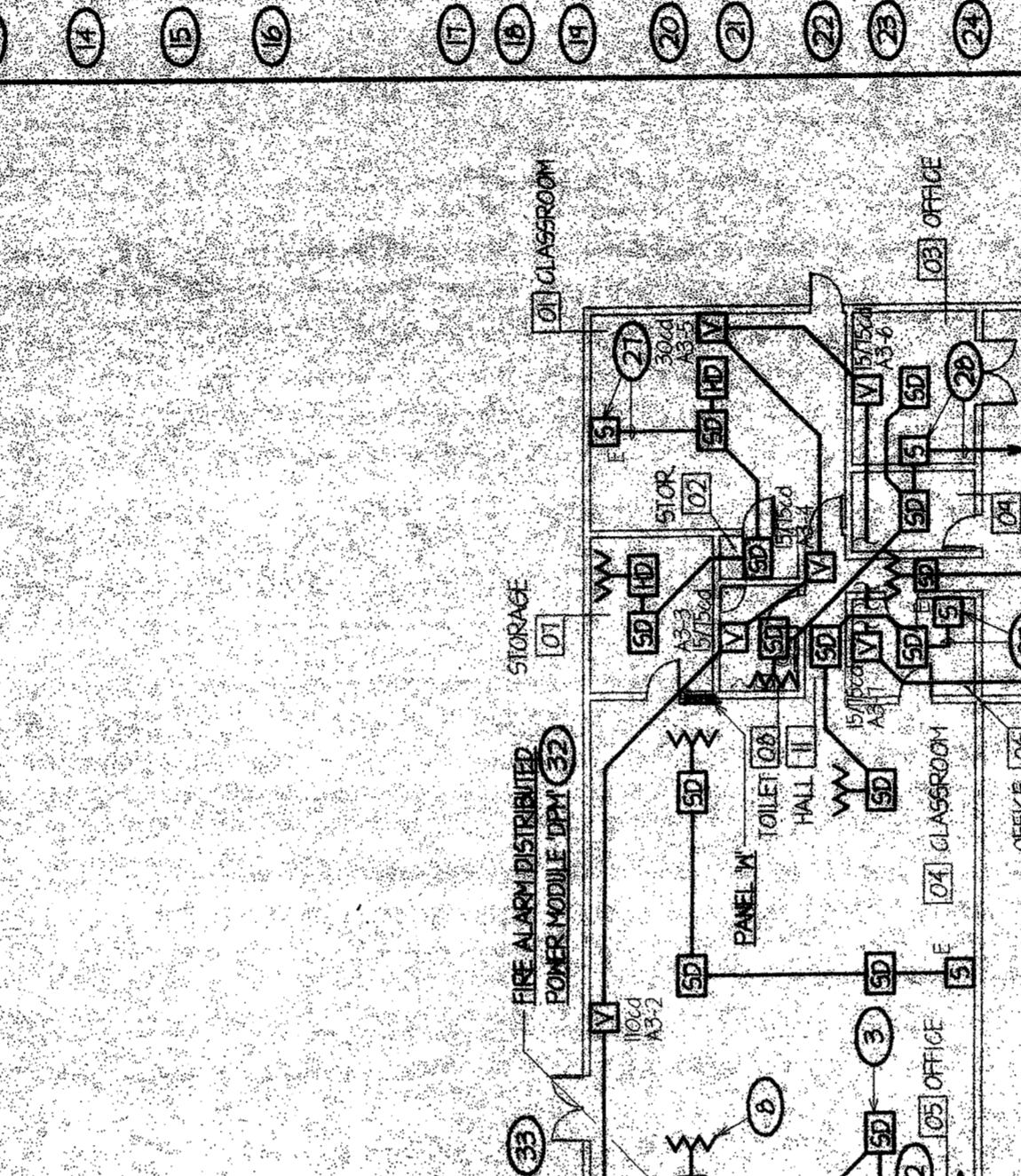
DATE: 12/21/09  
APPROVED: [Signature]

**VEE** (Seal)

SCALE: 1/8" = 1'-0"

**PARTIAL SITE SIGNAL DISTRIBUTION PLAN NOTES**

1. EXISTING INTERCOM SYSTEM MASTER PANS TO REMAIN. PROVIDE NEW FIRE ALARM INTERCOM DEVICES PER PLANS. REFER TO SIGNAL PLAN THIS SHEET FOR COORDINATION REFERENCE.
2. EXISTING FIRE ALARM MASTER PANEL IS A UNIFIED FIRE ALARM PANEL. QUALITY SECURELIX #AS022. INSTALLED UNDER O.S.A. APPLICATION. REFER TO SIGNAL PLAN THIS SHEET AND FIRE ALARM SYSTEM TRACK AND WAS CAPACITY FOR FIRE ALARM AUDIBLE DEVICES REQUIRED BY THE SCOPE OF THIS WORK. REFER TO FIRE ALARM SINGLE LINE DIAGRAM (IF-4) FOR COORDINATION REFERENCE.
3. EXISTING SIGNAL TERMINAL CABINET TO REMAIN. NO WORK REQUIRED.
4. EXISTING SIGNAL TERMINAL CABINET TO REMAIN. RACK UP EXISTING SPACE SIGNAL SYSTEMS CABLING PAIRS AT EXISTING TERMINAL BLACK WELDED SIGNAL T.C. TOP. PROVIDE NEW CONDUIT COMPLETE FROM TERMINAL CABINET TO BUILDING MOUNTED PULL BOX AND RUN T.C. FOR #4 CABLES (INTERCOMMUNICABLE ANNUNCIATION) 3/4" C. 2 #12 @ 18" THIN VISUAL ANNUNCIATION TO HIGH RELAYABLE CLASSROOM BUILDINGS AS SHOWN.
5. EXISTING INTERGROUND SIGNAL SYSTEMS CONDUIT AND CABLING FROM EXISTING SIGNAL SYSTEMS MASTER EQUIPMENT TO REMAIN. NO WORK REQUIRED.
6. EXISTING SIGNAL SYSTEM PULL BOX MOUNTED ON ROOF TO REMAIN. NO WORK REQUIRED.
7. EXISTING INTERGROUND SIGNAL SYSTEMS CONDUIT AND CABLING FROM EXISTING SIGNAL SYSTEMS MASTER EQUIPMENT TO REMAIN. NO WORK REQUIRED.
8. RISE CONDUIT FROM INTERGROUND ON EXTERIOR WALL OF RELOCATABLE BUILDING AND CONVERT PVC TO PVC WRAPPED RIGID CONDUIT AT 1' BELOW FINISH GRADE. THEN RISE CONDUIT FROM INTERGROUND ON EXTERIOR WALL OF RELOCATABLE BUILDING AND CONVERT FROM PVC WRAPPED RIGID CONDUIT TO NF-3 EXT AT 4' A.T.A. THEN CONTINUE TO NEW WALL MOUNTED SIGNAL PULL BOX. (E) BELOW ATTACHING CONDUIT TO BUILDING STRUCTURE PER G.E.C. ARTICLE 346 REQUIREMENTS. PROVIDE ALL FITTINGS. CONDUIT FITS, AS REQUIRED TO TERMINATE CONDUIT AT SIGNAL PULL BOX. CONSTRUCTOR SHALL FIELD VERIFY ALL.



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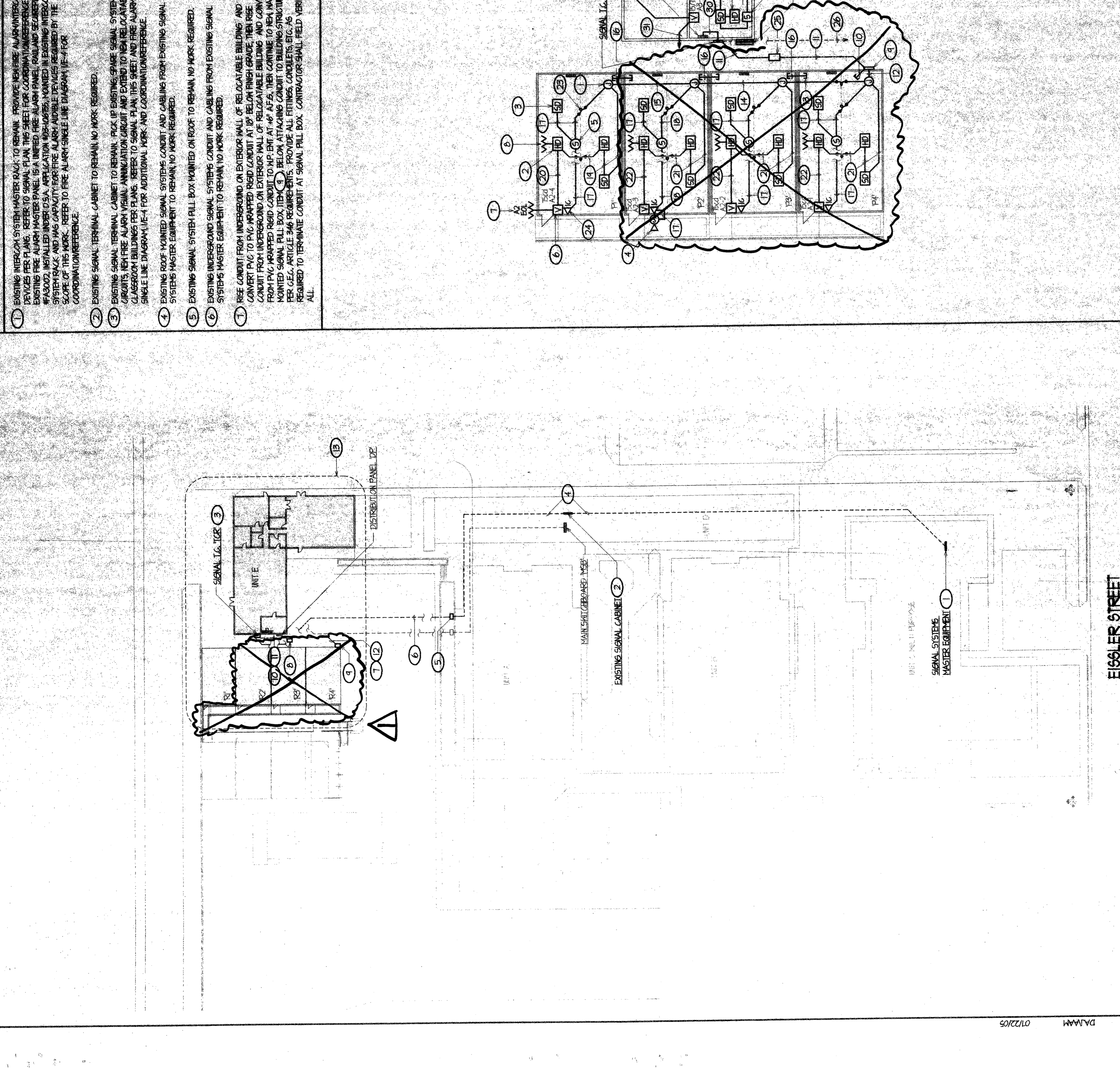
**REGISTERED PROFESSIONAL ENGINEER**  
No. 14780  
Electrical Engineering  
State of California

DATE: 12/21/09  
APPROVED: [Signature]

**VEE** (Seal)

SCALE: 1/8" = 1'-0"

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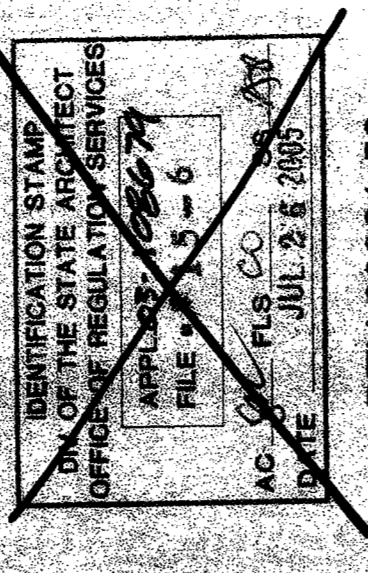
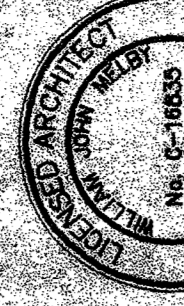


Table with columns: MARK, DATE, DESCRIPTION. Row 1: SD, 01-13-15, D.S.A. APPROVAL. Row 2: CD, 01-13-15, CCD #01.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS REQUIRED FOR THE WORK. THIS SHEET IS THE PROPERTY OF THE PROJECT ARCHITECT. ORDER: 2004-42-E-4-DWG

FIRE ALARM BATTERY CALCULATIONS table with columns: WIRE NUMBER, CIRC. AMPS PER FT., WIRE LENGTH, TIME PER FT., CIRC. AMP PER FT., TOTAL AMPERES, TOTAL DEVIANCE, TOTAL S.D.

FIRE ALARM VOLTAGE DROP CALCULATIONS table with columns: DEVICE NUMBER, WIRE SIZE, CIRC. AMPS PER FT., WIRE LENGTH, TIME PER FT., CIRC. AMP PER FT., TOTAL AMPERES, TOTAL DEVIANCE, TOTAL S.D.

FIRE ALARM SYSTEM REQUIREMENTS table with columns: WIRE NUMBER, CIRC. AMPS PER FT., WIRE LENGTH, TIME PER FT., CIRC. AMP PER FT., TOTAL AMPERES, TOTAL DEVIANCE, TOTAL S.D.

FIRE ALARM SYSTEM REQUIREMENTS table with columns: WIRE NUMBER, CIRC. AMPS PER FT., WIRE LENGTH, TIME PER FT., CIRC. AMP PER FT., TOTAL AMPERES, TOTAL DEVIANCE, TOTAL S.D.

FIRE ALARM SYSTEM REQUIREMENTS table with columns: WIRE NUMBER, CIRC. AMPS PER FT., WIRE LENGTH, TIME PER FT., CIRC. AMP PER FT., TOTAL AMPERES, TOTAL DEVIANCE, TOTAL S.D.

APPROVED: [Signature] DIVISION OF THE STATE ARCHITECT LOS ANGELES REGISTRATION OFFICE DATE: 2/27/2015

FIRE ALARM SYSTEM OPERATIONAL MATRIX table with columns: SYMBOL, DEVICE DESCRIPTION, MAINT. REQUIRED, SIGNAL, ANNUNCIATE, ADJUSTABLE, ACTIVE, FREQUENCY, INSTALLATION, BUILDING, FAULTS, REPAIRS, RELOCATION, REPAIRS, RELOCATION, REPAIRS, RELOCATION.

APPLICABLE CODES AS OF SEPTEMBER 1, 2008. PART 1: 2001 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE, TITLE 24 C.C.R. PART 2: 2001 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. PART 3: 2001 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. PART 4: 2001 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. PART 5: 2001 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. PART 6: 2001 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL. THE FIRE ALARM SYSTEM DESIGN IS A COMPLETE PLAN SUBMITTAL PER D.S.A. POLICY. THE CONTRACTOR SHALL INSTALL THE FIRE PROTECTION SYSTEM AS SHOWN AND AS HEREIN SPECIFIED.

FIRE ALARM SYSTEM INSTALLATION NOTES. ALL DRAWINGS ARE DIMENSIONED TO MATCH THE TOTAL PERCENTAGE DROP IN CIRCUIT. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.

FIRE ALARM SYSTEM LEVEL OF AUDIBILITY. 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.

FIRE ALARM SINGLE LINE DIAGRAM NOTES. SINGLE LINE DIAGRAM IS A SCHEMATIC REPRESENTATION OF THE FIRE ALARM SYSTEM AND BRANCH CIRCUITING. REFER TO PARTIAL SITE SIGNAL DISTRIBUTION PLAN, SHEET E-2 FOR SPECIFIC SITE DISTRIBUTION ROUTING AND COORDINATION REFERENCES.

FIRE ALARM SYMBOL SCHEDULE. 1. EXISTING FIRE ALARM CONTROL PANEL. RAILROAD SECURITY, INC. (R.S.I.) (C.S.F.A. #100-0785-100). 2. FIRE ALARM DISTRIBUTED POWER MODULE. SILENT KNIGHT 5441 (C.S.F.A. #100-0551-28).

FIRE ALARM SYMBOL SCHEDULE. 3. FIRE ALARM SYNCHRONIZATION MODULE. SILENT KNIGHT 5441 (C.S.F.A. #100-0551-28). 4. INTERIOR AUDIBLE DEVICES. RAISON 1600-0000-0000 (C.S.F.A. #100-0785-100).

