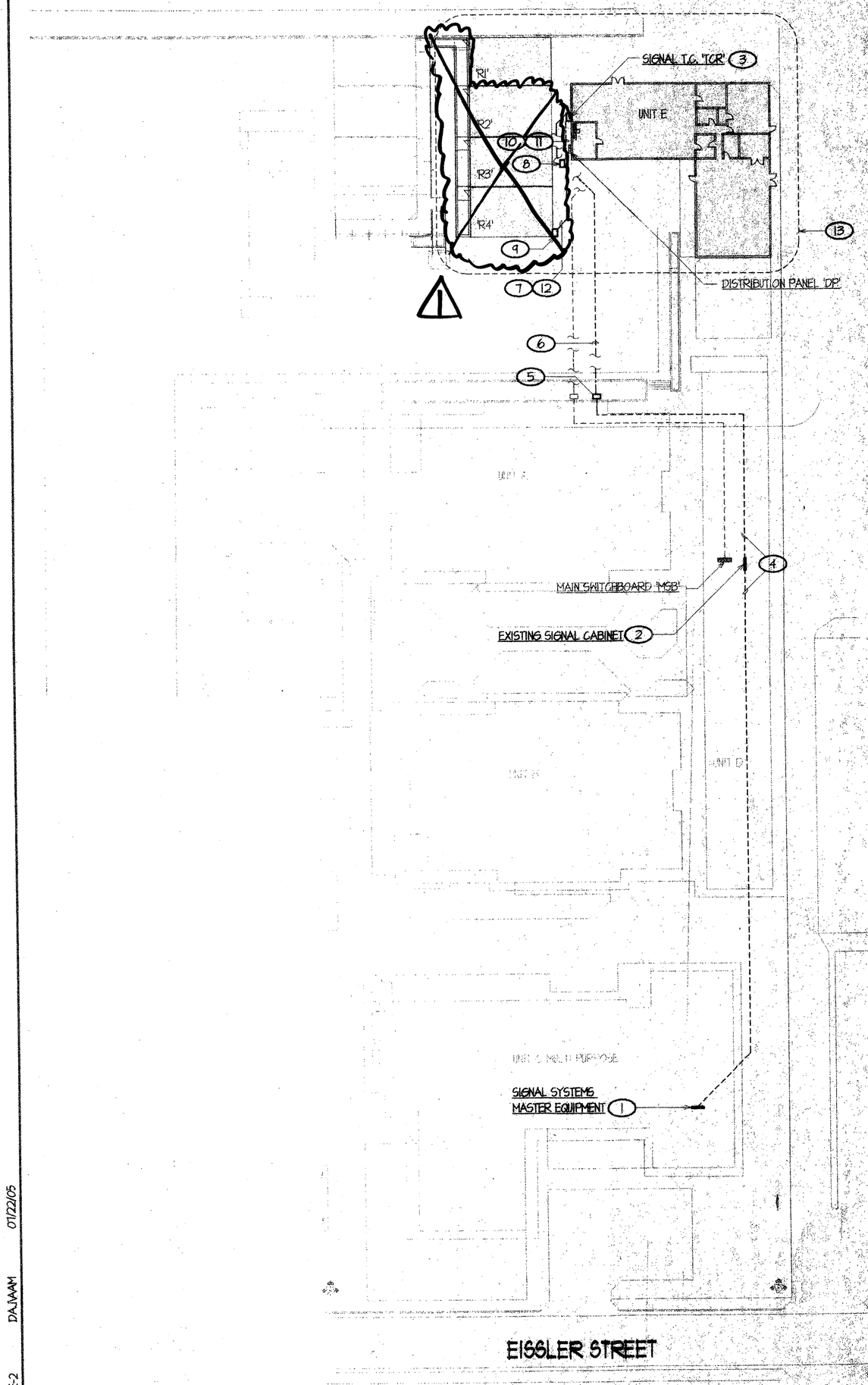
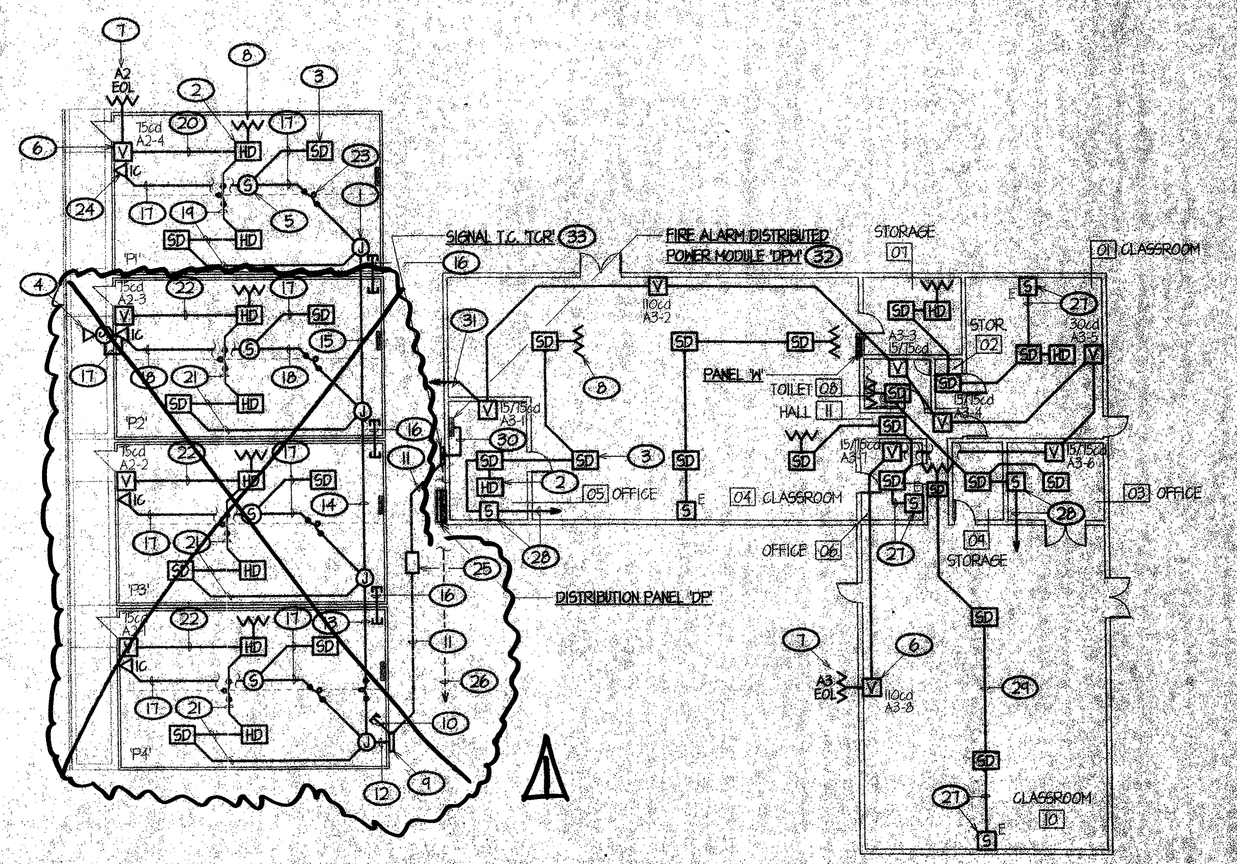


PARTIAL SITE SIGNAL DISTRIBUTION PLAN NOTES

1. EXISTING INTERCOM SYSTEM MASTER RACK TO REMAIN. PROVIDE NEW FIRE ALARM/INTERCOM DEVICES PER PLANS. REFER TO SIGNAL PLAN, THIS SHEET FOR COORDINATION/REFERENCE. EXISTING FIRE ALARM MASTER PANEL IS A UNIFIED FIRE ALARM PANEL, RAILAND SECURIFLEX #FA3002, INSTALLED UNDER D.S.A. APPLICATION #03-106755, MOUNTED IN EXISTING INTERCOM SYSTEM RACK AND HAS CAPACITY FOR FIRE ALARM AUDIBLE DEVICES REQUIRED BY THE SCOPE OF THIS WORK. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, I/E-4 FOR COORDINATION/REFERENCE.
2. EXISTING SIGNAL TERMINAL CABINET TO REMAIN, NO WORK REQUIRED.
3. EXISTING SIGNAL TERMINAL CABINET TO REMAIN. PICK UP EXISTING SPARE SIGNAL SYSTEMS CIRCUITS, NEW FIRE ALARM VISUAL ANNUNCIATION CIRCUIT AND EXTEND TO NEW RELOCATABLE CLASSROOM BUILDINGS PER PLANS. REFER TO SIGNAL PLAN, THIS SHEET AND FIRE ALARM SINGLE LINE DIAGRAM, I/E-4 FOR ADDITIONAL WORK AND COORDINATION/REFERENCE.
4. EXISTING ROOF MOUNTED SIGNAL SYSTEMS CONDUIT AND CABLING FROM EXISTING SIGNAL SYSTEMS MASTER EQUIPMENT TO REMAIN, NO WORK REQUIRED.
5. EXISTING SIGNAL SYSTEM PULL BOX MOUNTED ON ROOF TO REMAIN, NO WORK REQUIRED.
6. EXISTING UNDERGROUND SIGNAL SYSTEMS CONDUIT AND CABLING FROM EXISTING SIGNAL SYSTEMS MASTER EQUIPMENT TO REMAIN, NO WORK REQUIRED.
7. RISE CONDUIT FROM UNDERGROUND ON EXTERIOR WALL OF RELOCATABLE BUILDING AND CONVERT PVC TO PVC WRAPPED RIGID CONDUIT AT 18" BELOW FINISH GRADE, THEN RISE CONDUIT FROM UNDERGROUND ON EXTERIOR WALL OF RELOCATABLE BUILDING AND CONVERT FROM PVC WRAPPED RIGID CONDUIT TO M.P. EMT AT +6" A.F.F.G., THEN CONTINUE TO NEW, WALL MOUNTED SIGNAL PULL BOX, ITEM (9) BELOW, ATTACHING CONDUIT TO BUILDING STRUCTURE PER C.E.C. ARTICLE 346 REQUIREMENTS. PROVIDE ALL FITTINGS, CONDULETS, ETC. AS REQUIRED TO TERMINATE CONDUIT AT SIGNAL PULL BOX. CONTRACTOR SHALL FIELD VERIFY ALL.
8. PROVIDE UNDERGROUND SIGNAL SYSTEMS PULL BOX PER SPECIFICATIONS AND INSTALL PER I/E-3, TYPICAL WHERE OCCURS U.O.N.
9. PROVIDE WALL MOUNTED, M.P. PULL BOX MOUNTED HIGH UPON EXTERIOR WALL OF RELOCATABLE CLASSROOM BUILDING FOR EXTENSION OF SIGNAL SYSTEMS, AS SHOWN. PROVIDE PULL BOX PER SPECIFICATIONS AND INSTALL PER I/E-3. EXIT PULL BOX ENCLOSURE WITH CONDUIT, PENETRATE BUILDING AND RUN SIGNALING CIRCUITS INTO BUILDING AS SHOWN. SEAL ALL PENETRATIONS WATERTIGHT. PAINT EXPOSED CONDUIT, SCREW COVER ENCLOSURE, CONNECTORS, ETC. TO MATCH EXISTING ADJACENT FINISHED SURFACES.
10. PICK UP FOUR EXISTING, SPARE SIGNAL SYSTEMS CABLE PAIRS AT EXISTING TERMINAL BLOCK IN EXISTING SIGNAL T.C. 'TCR', PROVIDE NEW CONDUIT COMPLETE FROM TERMINAL CABINET TO BUILDING MOUNTED PULL BOX AND RUN P.C. FOUR 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION), 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION) TO NEW RELOCATABLE CLASSROOM BUILDINGS AS SHOWN.
11. SAW CUT EXISTING AC PAVING/CONCRETE AS REQUIRED, BACK FILL TRENCH AND INFILL AREA WITH LIKE MATERIAL SUCH THAT FINISH MATERIAL IS FLUSH WITH EXISTING WHEN CURED/DRY. CONTRACTOR SHALL EXERCISE CAUTION IN NEW TRENCHING SO AS TO NOT DISTURB OR DISRUPT EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL FIELD VERIFY ALL.
12. 1"G. FOUR 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION) 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION).
13. REFER TO PARTIAL SIGNAL PLAN, SHEET E-2 FOR ADDITIONAL WORK REQUIRED WITHIN EACH INDIVIDUAL BUILDING, TYPICAL.
14. FIRE ALARM ANNUNCIATION SIGNAL SOUNDS OVER CAMPUS INTERCOM SPEAKER SYSTEM THROUGHOUT. ALL SPEAKERS SHALL SOUND THE CALIFORNIA CODE GENERATED BY THE FIRE ALARM MASTER, ITEM (1) ABOVE. SEPARATE, 24VDC FIRE ALARM AUDIBLE ANNUNCIATION DEVICES ARE NOT USED ON THIS CAMPUS.

BUILDING SIGNAL PLAN NOTES

1. PROVIDE AND INSTALL 6" X 6" X 4" JUNCTION BOX PER SPECIFICATIONS IN ACCESSIBLE ATTIC SPACE FOR EXTENSION OF SIGNALING CIRCUITS AS SHOWN, TYPICAL WHERE OCCURS.
2. PROVIDE HEAT DETECTOR PER SPECIFICATIONS, INSTALL PER I/E-3 AND CONNECT AS SHOWN, TYPICAL WHERE OCCURS. REFER TO FIRE ALARM SINGLE LINE DIAGRAM I/E-4 FOR COORDINATION/REFERENCE.
3. PROVIDE SMOKE DETECTOR PER SPECIFICATIONS, INSTALL PER I/E-3 AND CONNECT AS SHOWN, TYPICAL WHERE OCCURS. REFER TO FIRE ALARM SINGLE LINE DIAGRAM I/E-4 FOR COORDINATION/REFERENCE.
4. PROVIDE WALL MOUNTED, M.P. EXTERIOR SPEAKER AT JUNCTION BOX SUPPLIED BY BUILDING MANUFACTURER, PER SPECIFICATIONS, INSTALL PER I/E-3 AND CONNECT AS SHOWN, TYPICAL WHERE OCCURS. REFER TO SINGLE LINE DIAGRAM I/E-4 FOR COORDINATION/REFERENCE.
5. PROVIDE CEILING MOUNTED, INTERIOR SPEAKER PER SPECIFICATIONS, INSTALL PER I/E-3 AND CONNECT AS SHOWN, TYPICAL WHERE OCCURS. REFER TO SINGLE LINE DIAGRAM I/E-4 FOR COORDINATION/REFERENCE.
6. PROVIDE VISUAL ANNUNCIATION DEVICE PER SPECIFICATIONS, INSTALL PER I/E-3 AND CONNECT AS SHOWN, TYPICAL WHERE OCCURS. REFER TO FIRE ALARM SINGLE LINE DIAGRAM I/E-4 FOR COORDINATION/REFERENCE.
7. ANNUNCIATION CIRCUIT END OF LINE RESISTOR PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
8. INITIATION CIRCUIT END OF LINE RESISTOR PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. WALL MOUNTED, M.P. PULL BOX PER PARTIAL SITE SIGNAL DISTRIBUTION PLAN, THIS SHEET.
10. STUB TWO 2"G. INTO ACCESSIBLE ATTIC SPACE FOR FUTURE DATA SYSTEMS CABLING EXTENSION BY DISTRICT PERSONNEL. PROVIDE AN INSULATED BUSHING, BRIDGEPORT #1HB-56 OR EQUAL AT EACH END OF EACH CONDUIT STUB FOR CABLING PROTECTION. SEAL ALL PENETRATIONS WATERTIGHT. PAINT EXPOSED CONDUIT, SCREW COVER ENCLOSURE, CONNECTORS, ETC. TO MATCH EXISTING ADJACENT FINISHED SURFACES.
11. 1" G. FIVE 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION) 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION) PER PARTIAL SITE SIGNAL DISTRIBUTION PLAN, THIS SHEET.
12. 1" G. FIVE 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION) 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION).
13. 1" G. FOUR 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION) 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION).
14. 1" G. THREE 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION) 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION).
15. 3/4" G. ONE 'A' CABLE (INTERCOM/AUDIBLE ANNUNCIATION) 3/4"G. 2 #12 CU THHN (VISUAL ANNUNCIATION).
16. STUB TWO 2"G. SLEEVES BETWEEN ACCESSIBLE ATTIC SPACES OF ADJACENT BUILDINGS, TYPICAL WHERE OCCURS. PROVIDE AN INSULATED BUSHING, BRIDGEPORT #1HB-56 OR EQUAL AT EACH END OF EACH CONDUIT SLEEVE FOR CABLING PROTECTION. PUNCH THROUGH EXTERIOR WALLS AS REQUIRE AND SEAL ALL PENETRATIONS WATERTIGHT. PAINT EXPOSED CONDUIT, CONNECTORS, ETC. TO MATCH EXISTING ADJACENT FINISHED SURFACES.
17. 3/4" G. ONE 'A' CABLE (INTERCOM/AUDIBLE ANNUNCIATION), CONCEALED IN ATTIC SPACE.
18. 3/4"G. TWO 'A' CABLES (INTERCOM/AUDIBLE ANNUNCIATION) CONCEALED IN ATTIC SPACE.
19. 3/4"G. ONE 'A' CABLE (INTERCOM/AUDIBLE ANNUNCIATION), 1/2"G. 2 #12 CU THHN (VISUAL ANNUNCIATION) CONCEALED IN ATTIC SPACE.
20. 1/2"G. 2 #12 CU THHN (VISUAL ANNUNCIATION) CONCEALED IN ATTIC SPACE.
21. 3/4"G. ONE 'A' CABLE (INTERCOM/AUDIBLE ANNUNCIATION), 1/2"G. 4 #12 CU THHN (VISUAL ANNUNCIATION) CONCEALED IN ATTIC SPACE.
22. 1/2"G. 4 #12 CU THHN (VISUAL ANNUNCIATION) CONCEALED IN ATTIC SPACE.
23. PROVIDE FLEXIBLE CONDUIT CONNECTION AT MODULE LINE BETWEEN BUILDING MODULES, TYPICAL WHERE OCCURS.
24. PROVIDE TELEPHONE HANDSET PER SPECIFICATIONS, INSTALL TO WALL AT BACK BOX PROVIDED BY BUILDING MANUFACTURER AND CONNECT AS SHOWN, TYPICAL WHERE OCCURS.
25. SIGNAL SYSTEMS UNDERGROUND 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, PICK UP EXISTING SIGNAL CIRCUIT AND RUN SURFACE METAL RACEWAY (WIREMOLD V100 SERIES OR EQUAL) + ONE 'A' CABLE (AUDIBLE ANNUNCIATION) TO SYSTEM DETECTORS AS SHOWN AND CONNECT.
28. PROVIDE WALL MOUNTED SPEAKER PER SPECIFICATIONS, INSTALL AND CONNECT AS SHOWN, AND RUN SURFACE METAL RACEWAY (WIREMOLD V100 SERIES OR EQUAL) + ONE 'A' CABLE TO SIGNAL T.C. 'TCR' AND CONNECT TO SPARE SIGNAL CIRCUIT. REFER TO FIRE ALARM SINGLE LINE DIAGRAM I/E4 FOR COORDINATION/REFERENCE.
29. ONE 'A' CABLE (AUDIBLE ANNUNCIATION) IN SURFACE METAL RACEWAY (WIREMOLD V100 SERIES OR EQUAL) BETWEEN DETECTORS, TYPICAL THIS BUILDING.
30. SURFACE METAL RACEWAY (WIREMOLD V700 SERIES OR EQUAL) + 10 #12 CU THHN (VISUAL ANNUNCIATION) FOR DPH CIRCUIT, AND ANNUNCIATION CIRCUITS 'A1', 'A2', 'A3' AND 'A4'.
31. SURFACE METAL RACEWAY (WIREMOLD V700 SERIES OR EQUAL) + 2 #12 CU THHN (VISUAL ANNUNCIATION) TO SIGNAL T.C. 'TCR'.
32. PROVIDE NEW FIRE ALARM DISTRIBUTED POWER MODULE PER SPECIFICATIONS. RUN SURFACE METAL RACEWAY (WIREMOLD V100 SERIES OR EQUAL) + 2 #12 CU THHN + 1 #12 CU GROUND TO BUILDING PANEL AND CONNECT TO SPARE 20/1 CIRCUIT BREAKER LOCATED AT BUSS POSITION NUMBER 12 IN PANEL 'M' PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE DISCONNECT LOCATION LABELING PER NFPA 72, I-5.25.2. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, I/E-4 FOR COORDINATION/REFERENCE.
33. 25 PAIR, INTERCOM/AUDIBLE ANNUNCIATION CABLE IS TERMINATED AT THIS SIGNAL TERMINAL CABINET. THERE ARE SUFFICIENT SPARE PAIRS AVAILABLE FOR THE SCOPE OF THIS WORK. EXISTING VISUAL ANNUNCIATION CIRCUIT FROM FIRE ALARM MASTER THAT CURRENTLY FEEDS EXISTING RELOCATABLE BUILDINGS ALSO TERMINATES AT, AND IS EXTENDED FROM, THIS SIGNAL T.C. RE-CONNECT EXISTING VISUAL ANNUNCIATION CIRCUIT TO NEW FIRE ALARM DISTRIBUTED POWER MODULE 'DPH', ITEM (32) ABOVE. RE-CONNECT EXISTING RELOCATABLE BUILDING VISUAL CIRCUIT TO NEW DPH CIRCUIT 'A1' AT THIS SIGNAL T.C. AND TEST TO ENSURE EXISTING VISUALS OPERATE CORRECTLY.



APPROVED
DIVISION OF THE STATE ARCHITECT
LOS ANGELES REGIONAL OFFICE
DATE 7/12/2005

PARTIAL SITE SIGNAL DISTRIBUTION PLAN (14)

NORTH

SCALE: 1" = 40'-0"

BUILDING SIGNAL PLANS

NORTH

SCALE: 1/16" = 1'-0"

KEITH WILLIAM WATKINS — No. E 14073 — Exp. 6/30/07 — ELECTRICAL — STATE OF CALIFORNIA

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LICENSED ARCHITECT — WILLIAM JOHN MELBY — No. C-16835 — DEC. 31 2008 — RENEWAL DATE — STATE OF CALIFORNIA

LICENSED ARCHITECT — DANNY E. ORDIZ — MAY 31 2015 — RENEWAL DATE — No. C-14728 — STATE OF CALIFORNIA

DANNY E. ORDIZ, A.I.A. ARCHITECT C-14,728
WILLIAM J. MELBY, A.I.A. ARCHITECT C-16,835

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION 106279
FILE # 15-6
AC. FLS CO SC
DATE JUL 26 2005

PTN:63321-50

SITE IMPROVEMENTS
PORTABLE CLASSROOMS
AT
CHIPMAN JUNIOR HIGH SCHOOL

BAKERSFIELD CITY SCHOOL DISTRICT

EISSLER STREET
BAKERSFIELD, CALIFORNIA
93306

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PARTIAL SITE SIGNAL DISTRIBUTION AND BUILDING SIGNAL PLANS

SHEET IDENTIFICATION NUMBER

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