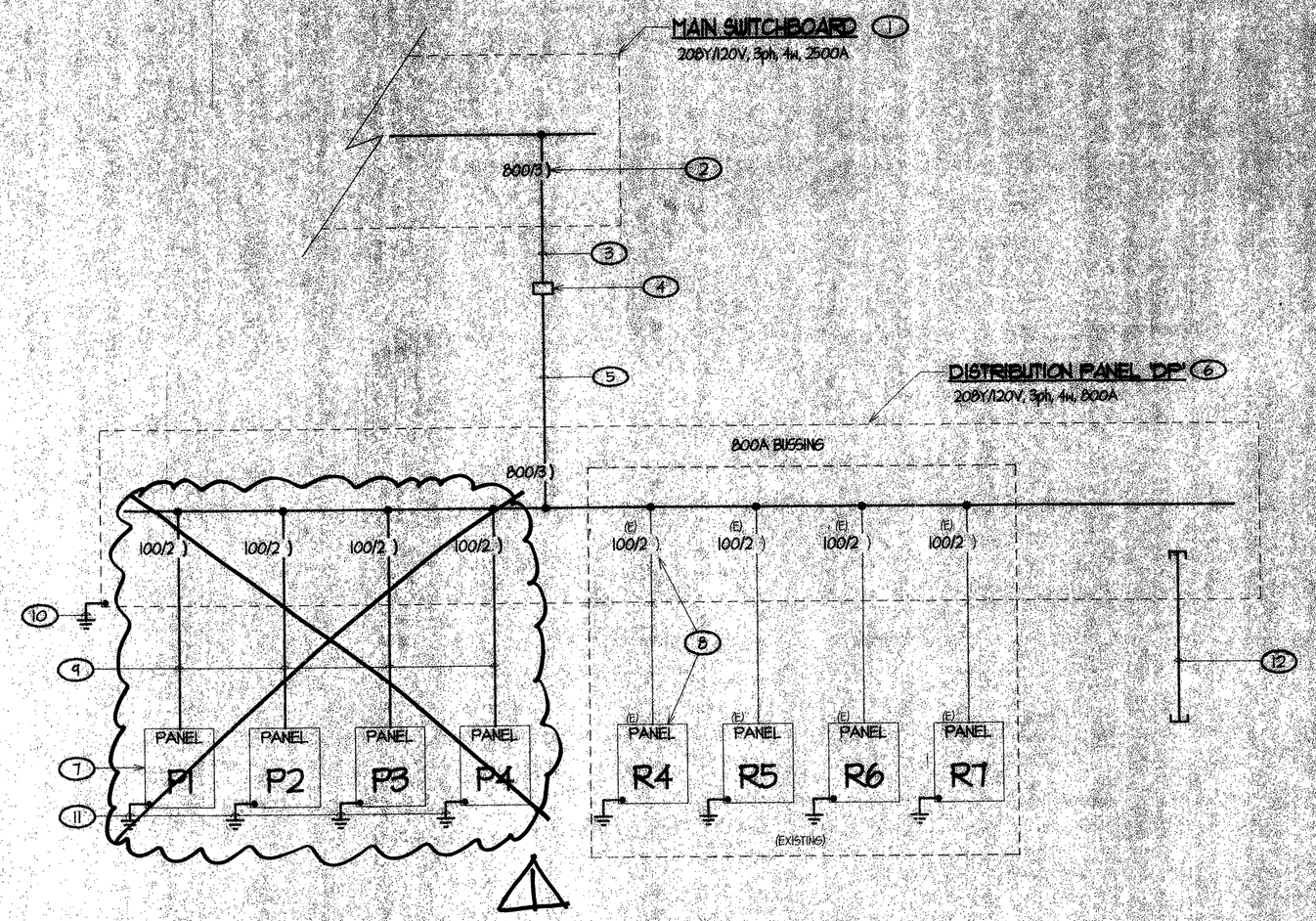
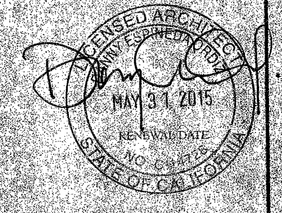


1 SINGLE LINE DIAGRAM — NO SCALE

SINGLE LINE DIAGRAM NOTES

1. EXISTING SWITCHGEAR MAIN SWITCH BOARD 208Y/120V, 3 PHASE, 4W, 2500 AMPS TO REMAIN. PROVIDE NEW CIRCUIT BREAKER PER ITEM (2) BELOW.
2. REPLACE EXISTING 400/3 CIRCUIT BREAKER IN EXISTING SPACE WITH NEW 800/3 CIRCUIT BREAKER (MATCH EXISTING EQUIPMENT MANUFACTURER AND I.C. RATINGS). IF 800A FRAME WILL NOT FIT IN EXISTING SPACE IN EXISTING DISTRIBUTION SECTION, CONTRACTOR SHALL REARRANGE OTHER CIRCUIT BREAKERS AND FEEDERS AS REQUIRED TO ACCOMMODATE NEW CIRCUIT BREAKER. ANY EXISTING CIRCUIT BREAKERS BEING RELOCATED IN DISTRIBUTION SECTION SHALL BE SO RELOCATED AS TO ONLY REQUIRE SHORTENING AND RE-CONNECTION OF EXISTING FEEDER CONDUCTORS. CONTRACTOR SHALL FIELD VERIFY ALL.
3. TWO EXISTING 3"C., FILL IN WITH 4 #600 KCMIL CU THWN + 1 #1/0 CU GROUND IN EACH PER PLANS.
4. PULL BOOSTER PLANS. REFER TO PARTIAL SITE POWER DISTRIBUTION PLAN, SHEET E-1 FOR COORDINATION REFERENCE.
5. TWO 3 1/2"C., 4 #600 KCMIL CU THWN + 1 #1/0 CU GROUND EACH.
6. REPLACE EXISTING 400A DISTRIBUTION PANEL IN PLACE WITH NEW 208Y/120V, 3 PHASE, 4W, 800A/3 DISTRIBUTION PANEL PER SPECIFICATIONS AND INSTALLED PER 2/E-3. MATCH, EXTEND AND RECONNECT EXISTING FEEDER CONDUCTORS TO NEW DISTRIBUTION PANEL 'DP' CIRCUIT BREAKERS AS REQUIRED. CONTRACTOR SHALL FIELD VERIFY ALL.
7. PANEL PROVIDED AND INSTALLED BY BUILDING MANUFACTURER, CONNECTED BY CONTRACTOR, TYPICAL.
8. EXISTING RELOCATABLE BUILDING PANEL LOCATED IN EXISTING RELOCATABLE BUILDING TO REMAIN. MATCH AND EXTEND EXISTING INDIVIDUAL BUILDING FEEDER CONDUCTORS AS REQUIRED AND RECONNECT FEEDER TO NEW CIRCUIT BREAKER IN NEW DISTRIBUTION PANEL. CONTRACTOR SHALL FIELD VERIFY ALL. TYPICAL FOR FOUR RELOCATABLE BUILDINGS, R4 THROUGH R7.
9. ONE 1 1/4"C, 3 #2 CU THHN + 1 #6 CU GROUND.
10. SYSTEM GROUNDING PER 3/E-3.
11. SYSTEM GROUNDING PER 3/E-3.
12. STUB, CAP AND LABEL TWO 2"C., FIVE FEET BEYOND EQUIPMENT PAD FOR FUTURE.



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IDENTIFICATION STAMP
OFFICE OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. # 125679
FILE # 01-116
AG SW FLG CO SS MB
DATE JUL 2 6 2005

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		D.S.A. APPROVAL
CD		
1	01-13-15	CCD #01
X		
X		
X		

JOB NUMBER
2004771
CAD DRAWING FILE
2004-82-E-3.DWG
DRAWN BY:
DAJ
CHECKED BY:
VWW

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.

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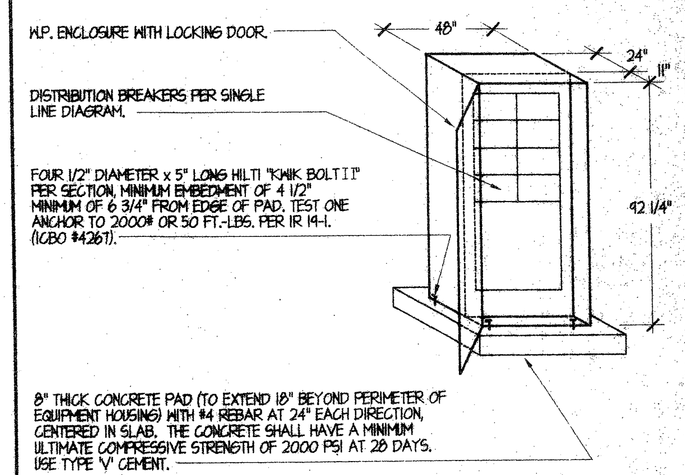
SHEET TITLE

SINGLE LINE DIAGRAM

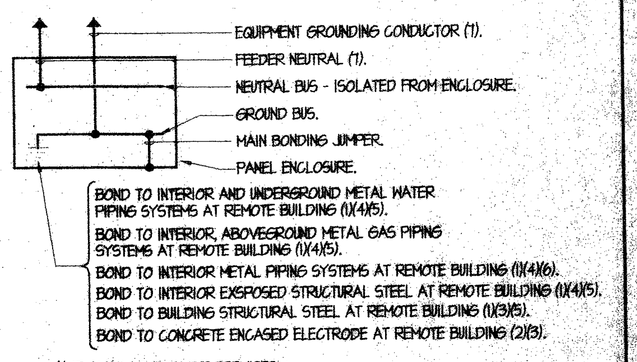
SHEET IDENTIFICATION NUMBER

E-3

SHEET OF

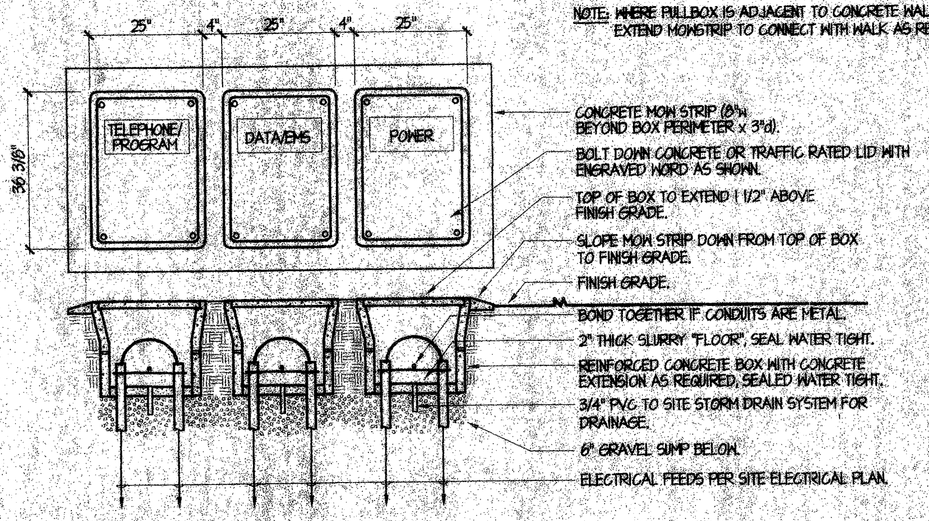


2 DISTRIBUTION PANEL ELEVATION
ALL CONSTRUCTION NEMA 3R — NTS

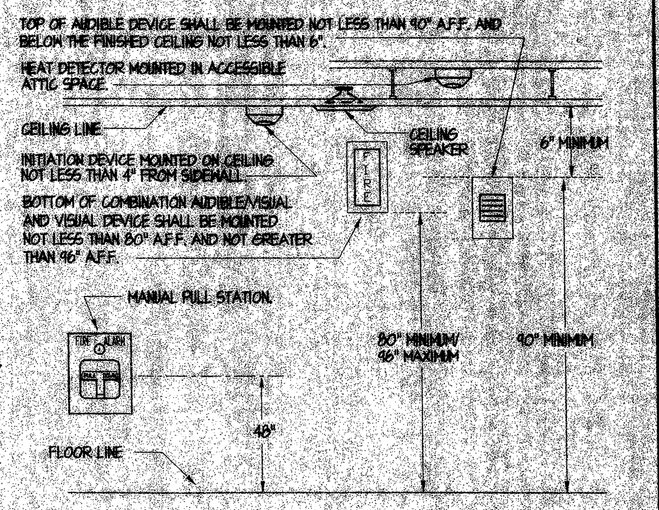


(1) IF AVAILABLE ON THE PREMISES.
(2) UFER GROUNDING ELECTRODE SYSTEM BY ELECTRICAN PER 250-50, C.E.C.
(3) BOND PER 250-50, C.E.C.
(4) BOND PER 250-104, C.E.C.
(5) CONDUCTOR SIZED PER TABLE 250-66, C.E.C.
(6) CONDUCTOR SIZED PER TABLE 250-122, C.E.C.
(7) FEEDS FROM MAIN SERVICE AT OTHER BUILDING PER SITE ELECTRICAL PLAN.

3 GROUNDING ELECTRODE SYSTEM FOR REMOTE BUILDINGS — NTS



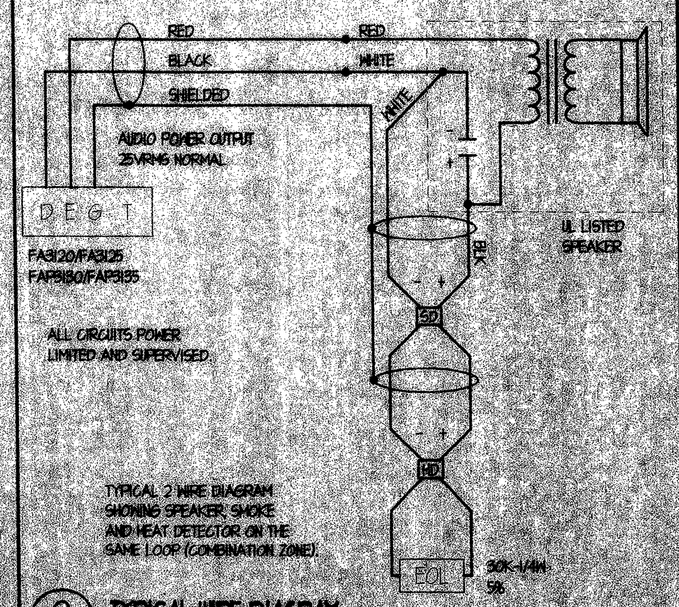
4 UNDERGROUND PULLBOX CLUSTER — NTS



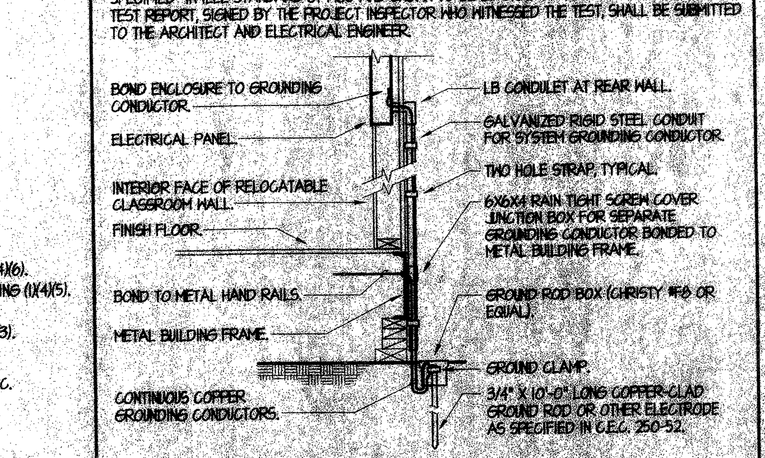
7 FIRE ALARM DEVICE ELEVATION — NTS

9 NOT USED — NTS

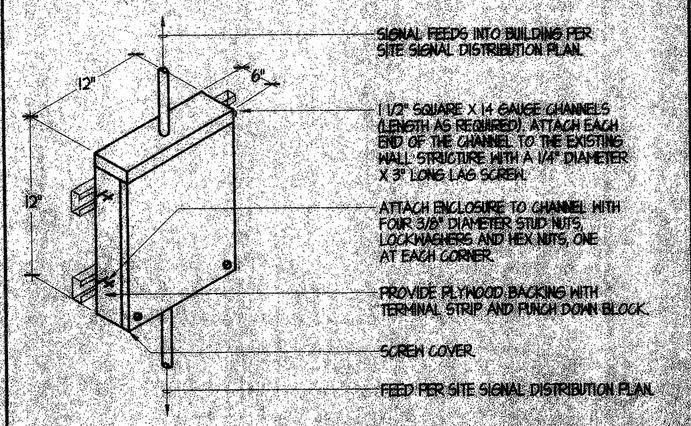
10 NOT USED — NTS



8 TYPICAL WIRE DIAGRAM — NTS



5 SYSTEM GROUND
BOND CLASSROOM BUILDINGS TOGETHER WITH 1 #6 CU CONDUCTOR WHERE RELOCATABLES OCCUR SIDE BY SIDE. — NTS



6 SIGNAL SYSTEMS PULL BOX — NTS

APPROVED
DIVISION OF THE STATE ARCHITECT
LOS ANGELES REGIONAL OFFICE
DATE 12/17/2015

XLUBISXM\2004-4X\2004-82\2004-82-E-3 DAJ,MM6651 07/22/05