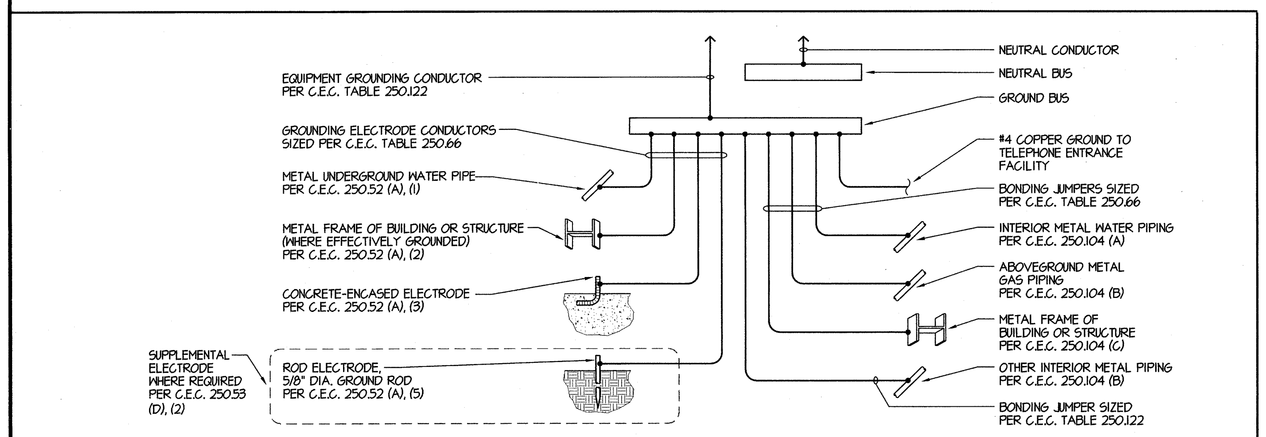
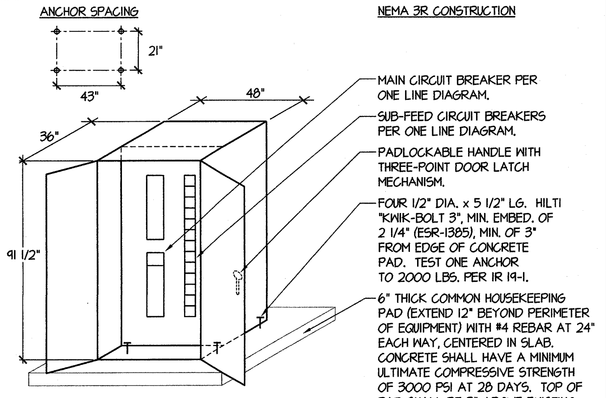


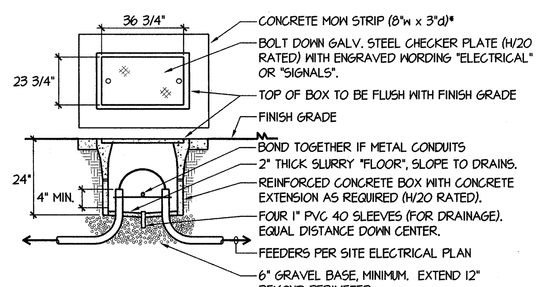
1 REMOTE BUILDING GROUNDING ELECTRODE SYSTEM

NTS



2 DISTRIBUTION PANEL "DPN" MOUNTING

NTS



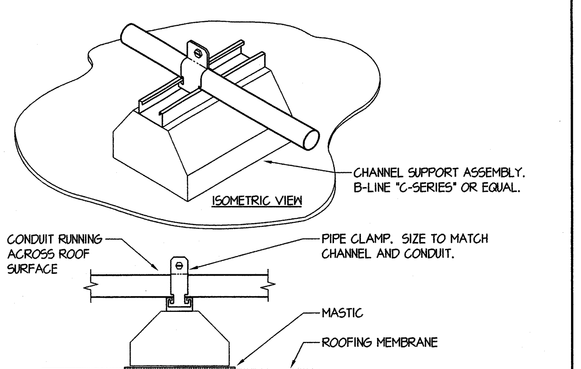
* NOTE: WHERE PULL BOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. FOAM SEAL ALL CONDUITS IN YARD BOXES.

** NOTE: INTERIOR DIMENSIONS MEASURED AT "OPENING" OF PULL BOX.

3 PULL BOX

CHRISTY #B1730 H/20 BOX OR EQUAL

NTS



NOTE: SPACE SUPPORTS AT 6'-0" OR LESS ON CENTER

4 CONDUIT SUPPORT ON ROOF

NTS

EXISTING MAIN SWITCHBOARD #2

480/277V, 3ph, 4W, 800A, 665 kVA, CHALLENGER

EXISTING P.G. & E. "PRIMARY" CONDUITS AND CONDUCTORS SHALL REMAIN.

EXISTING P.G.& E. TRANSFORMER #T-7556

EXISTING P.G. & E. "SECONDARY" CONDUITS AND CONDUCTORS SHALL REMAIN.

EPP

ESP

P.G. & E. #T20R05

800/3 (E)

A/C PORTABLES SOUTH/EAST (2)	A/C PORTABLES SOUTH (4)	A/C HOME EC. COOKING BLDG. G	A/C WOOD SHOP BLDG. G	112.5 kVA XFMR AT RELOC. LIBRARY	A/C NORTH WING 8TH GRADE BLDG. F	A/C SOUTH WING 8TH GRADE BLDG. H	A/C BAND/STAGE/ FACULTY BLDG. E	A/C ADMIN. BLDG. D	A/C SOUTH WING 7TH GRADE BLDG. C	A/C SEWING/MUSIC BLDG. B	A/C PORTABLES NORTH (4)	A/C NORTH WING 7TH GRADE BLDG. A
50/3 (E)	100/3 (E)	45/3 (E)	20/3 (E)	150/3 (E)	100/3 (E)	90/3 (E)	80/3 (E)	100/3 (E)	80/3 (E)	80/3 (E)	100/3 (E)	100/3 (E)
1	1	1	2	4	3	3	3	6	8	8	4	6
P61		H6	W6	5 XFM	FH		ED		BC			RIA

EXISTING PULL BOX "P1"

EXISTING PULL CAN "PC-H" (14)

EXISTING PULL CAN "PC-H2" (14)

EXISTING PULL CAN "PC-E" (14)

EXISTING PULL CAN "PC-E2" (14)

EXISTING PULL CAN "PC-D" (14)

EXISTING PULL CAN "PC-C" (14)

EXISTING PULL CAN "PC-A" (14)

(E) AC UNITS AT BLDG. "F": AC-3A, AC-2A, AC-2B

(E) AC UNITS AT BLDG. "H": AC-2F, AC-2E, AC-2D, AC-2C

(E) AC UNITS AT BLDG. "E": AC-1, AC-4A, AC-2G

(E) AC UNITS AT BLDG. "D": AC-2H, AC-3C, AC-3B

(E) AC UNITS AT BLDG. "C": AC-2O, AC-2N, AC-2M

(E) AC UNITS AT BLDG. "B": AC-4B, AC-5B

(E) AC UNITS AT BLDGS. "R-1.A THRU R-1.D": AC-2P, AC-2Q, AC-2R, AC-2S

(E) AC UNITS AT BLDGS. "A": AC-2L, AC-2K, AC-2J, AC-2I

EXISTING FEEDER SCHEDULE:

- (BC) 2"C - 6 #2 + 1 #6 GND.
- (ED) 1 1/2"C - 3 #4, 3 #2 + 1 #6 GND.
- (FH) 1 1/2"C - 6 #4 + 1 #6 GND.
- (HG) 3/4"C - 3 #10 + 1 #10 GND.
- (RIA) 2"C - 6 #1 + 1 #6 GND.
- (R61) 1 1/4"C - 3 #8, 3 #4 + 1 #8 GND.
- (XFM) 2"C - 3 #1/0 + 1 #6 GND.
- (WG) 3/4"C - 3 #12.

NOTES (THIS SHEET ONLY):

1. EXISTING CIRCUIT BREAKER AND FEEDER SHALL REMAIN.
2. EXISTING CIRCUIT BREAKER. DISCONNECT, REMOVE AND RE-INSTALL AT SPACE LEFT "IDLE" PER KEYNOTE #6. RE-ROUTE EXISTING CONDUCTORS TO NEW LOCATION AND RE-TERMINATE.
3. EXISTING CIRCUIT BREAKER SHALL REMAIN.
4. DISCONNECT AND REMOVE EXISTING CIRCUIT BREAKER TO MAKE SPACE FOR NEW CIRCUIT BREAKER (PER REVISED ONE LINE DIAGRAM - 480/277V 3 phase 4 wire SYSTEM, SHEET #ADD-007 E-131). PULL OUT "IDLE" FEEDER CONDUCTORS.
5. REMOVE EXISTING FEEDER ROUTING ON ROOF OF BUILDINGS "F & G" TO TOP OF EXISTING MAIN SWITCHBOARD #2. PROVIDE KNOCKOUT SEAL AT "IDLE" CONDUIT OPENING.
6. DISCONNECT AND REMOVE EXISTING CIRCUIT BREAKER TO MAKE SPACE FOR EXISTING 20A 3-POLE CIRCUIT BREAKER BEING RELOCATED PER KEYNOTE #2. TAPE-OFF ENDS OF "IDLE" CONDUCTORS.
7. PULL OUT EXISTING CONDUCTORS BACK TO EXISTING PULL BOX "P1". ALLOW ENOUGH LENGTH FOR WATERPROOF SPLICING TO NEW CONDUCTORS (PER REVISED ONE LINE DIAGRAM - 480/277V 3 phase 4 wire SYSTEM, SHEET #ADD-007 E-131).
8. EXISTING CIRCUIT BREAKER SHALL REMAIN. DISCONNECT FROM EXISTING CONDUCTORS AND TAPE-OFF ENDS OF "IDLE" CONDUCTORS.
9. TAPE-OFF ENDS OF "IDLE" CONDUCTORS INSIDE EXISTING PULL BOX "P1". LABEL/TAG RESPECTIVE FEEDER CONDUCTORS WITH RATING OF "IDLE" CIRCUIT BREAKER.
10. EXISTING NEMA 3R SCREW COVER CAN SHALL REMAIN. TYPICAL.
11. (E) OR E DENOTES EXISTING SHALL REMAIN.
12. — —EP— — DENOTES EXISTING FEEDER/FEEDER TAP SHALL REMAIN.
13. — —ER— — DENOTES REMOVE EXISTING FEEDER. SALVAGE AND RETURN ALL COPPER CONDUCTORS TO OWNER. STOCKPILE AT DESIGNATED LOCATION.
14. REMOVE EXISTING PULL CAN AND SUPPORT BLOCKING.

EXISTING ONE LINE DIAGRAM - 480/277V 3 phase 4 wire SYSTEM

NTS

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LICENSED ARCHITECT WILLIAM JOHN MELBY No. C-16835 DEC. 31 2009 RENEWAL DATE STATE OF CALIFORNIA

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

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER THEODORE W. ROSE No. E14899 Exp. 6/30/09 ELECTRICAL STATE OF CALIFORNIA

Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL. 03-107003
FILE # 15-6

AC ____ FLS ____ SS ____

DATE ____

MODERNIZATION AT CURRAN MIDDLE SCHOOL FOR:

BAKERSFIELD CITY SCHOOL DISTRICT

**1116 LYMRIC WAY
BAKERSFIELD
CALIFORNIA
93309**

MARK	DATE	DESCRIPTION

JOB NUMBER: 2002480
CAD DRAWING FILE: -
DRAWN BY: ES
CHECKED BY: TWR

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

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SHEET TITLE
EXISTING ONE LINE DIAGRAM - 480/277V 3ph 4w SYSTEM
SHEET IDENTIFICATION NUMBER
ADD-007
E-136
SHEET ____ OF ____

RSA\SCHOOLS\BFIELD\BCSD\CURRAN\2007 REVISIONS UPGRADE\E-136.dwg REVISED: 01-10-08 BY: DP RSA JOB #07-140.01-RS