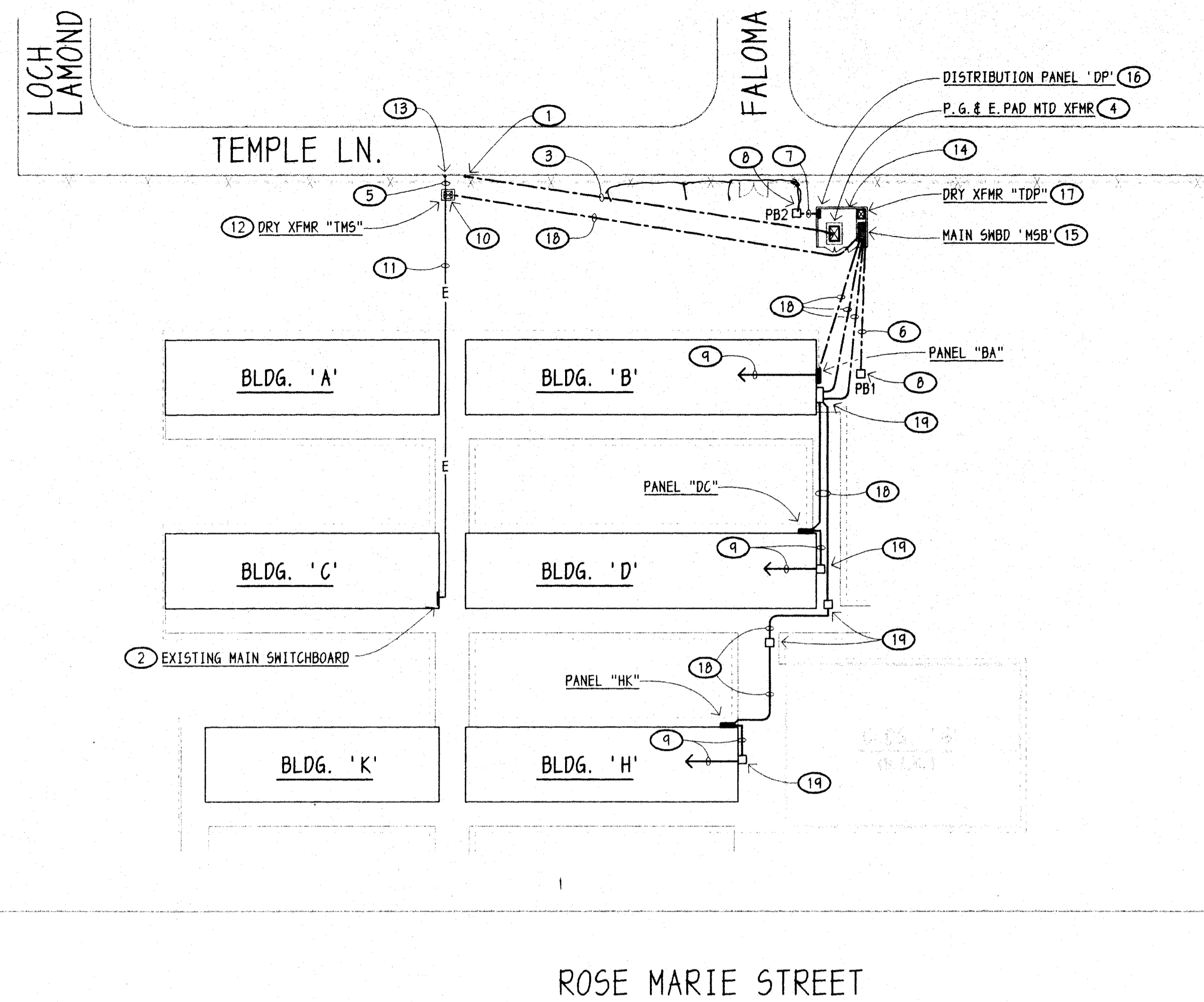
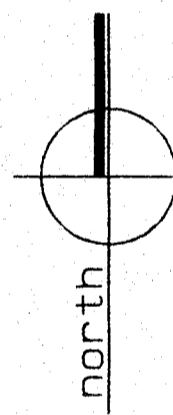


SITE ELECTRICAL PLAN



SCALE: 1" = 40'-0"

NOTES (THIS SHEET ONLY):

- 1 NEW UTILITY CO. POWER POLE. VERIFY EXACT LOCATION AT SITE AND RISER QUADRANT WITH P.G. & E.
- 2 RECONNECT PER ONE LINE DIAGRAM.
- 3 ONE 4" (PRIMARY).
- 4 PROVIDE PAD PER PG & E REQUIREMENTS.
- 5 EXISTING 4" FROM POLE XFMRs TO BE ABANDONED AS DIRECTED BY PG & E. PULL OUT IDLE CONDUCTOR ALL THE WAY TO MAIN SWITCHBOARD. SEE NOTE 10.
- 6 TWO SPARE 4" C.
- 7 THIRTEEN SPARE 1 1/4" C FOR FUTURE RELOCATABLE CLASSROOMS AND TWO SPARE 2" CONDUITS.
- 8 PULLBOX PER DETAIL #1/E-5.
- 9 SEE ELECTRICAL PLANS ON SHEETS #2 & #3 FOR FEEDER SIZES.
- 10 INTERCEPT EXISTING 4" UTILITY CO. FEEDER WITH NEW XFMR. EXTEND CONDUIT UP TO XFMR WITH NEW 4" C AS REQUIRED. SEE NOTE 11.
- 11 USE EXISTING 4" C TO BACKFEED EXISTING SWITCHBOARD, PULL OUT EXISTING CONDUCTORS & PULL IN NEW Ø #250 MCM (CU-THWN) + 1 #2 CU GND.
- 12 PER DETAIL #5/E-4.
- 13 EXISTING UTILITY CO. POWER POLE. NO WORK REQUIRED.
- 14 SEE ENCLOSURE DETAIL #3/E-5 FOR EQUIPMENT LAYOUTS & ADDITIONAL INFORMATION.
- 15 PER DETAILS #1/E-4 AND #3/E-4.
- 16 PER DETAIL #7/E-4.
- 17 PER DETAIL #6/E-4.
- 18 FEEDER PER ONE LINE DIAGRAM.
- 19 PULL CAN PER ELECTRICAL PLANS. SEE SHEETS #E-2 & #E-3.

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:

- 1995 CALIFORNIA BUILDING CODE, PART 1 AND PART 2, TITLE 24 (1994 UNIFORM BUILDING CODE AND CALIFORNIA AMENDMENTS)
- 1995 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 (1993 NATIONAL ELECTRICAL CODE AND CALIFORNIA AMENDMENTS)
- 1995 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 (1994 UNIFORM MECHANICAL CODE AND CALIFORNIA AMENDMENTS)
- 1995 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 (1994 UNIFORM PLUMBING CODE AND CALIFORNIA AMENDMENTS)
- 1995 CALIFORNIA FIRE CODE, PART 9, TITLE 24 (1994 UNIFORM FIRE CODE AND CALIFORNIA AMENDMENTS)
- CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 (1994 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 1993 EDITION AND CALIFORNIA AMENDMENTS.
- POLICY #45-03, FIRE AND LIFE SAFETY, DIVISION OF THE STATE ARCHITECT - OFFICE OF REGULATION SERVICES.

SEISMIC ANCHORAGE REQUIREMENTS

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20 % OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30 % OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT, USE 4 x THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 x THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR OF I = 1.0 AND SEISMIC ZONE, Z = 0.4.

FOR MULTI-PURPOSE BUILDINGS, PERCENTAGE OF OPERATING WEIGHT SHALL BE 125% OF VALUES NOTED ABOVE.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE DIVISION OF THE STATE ARCHITECT.

UTILITY COMPANY REQUIREMENTS

VERIFY AND COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS BEFORE BIDDING JOB AND BEFORE CONSTRUCTION:

POWER CO.
JOHN GIL P.G. & E. PH. (805) 348-5472

ELECTRICAL SYMBOLS

ALL DIMENSIONS TO CENTER OF BOX, U.O.N.

3-	CIRCUIT NUMBER (3-A-150)
-A-	FIXTURE TYPE (3-A-150)
-150	FIXTURE WATTAGE (3-A-150)
⊕	HOME RUN 3/4" C - MIN. (PANEL A, CIRCUIT #3)
→	CONDUIT RUN IN HALL OR ATTIC (1/2" C - 2 #12 AMG THWN + 1 #12 GND)
→	CONDUIT RUN IN FLOOR OR UG (1/2" C - 2 #12 AMG THWN + 1 #12 GND)
→	ANY CONDUIT RUN - 1/2" C - 3 #12 AMG THWN + 1 #12 GND
→	" " - 3/4" C - 4 #12 AMG THWN + 1 #12 GND
→	" " - 3/4" C - 5 #12 AMG THWN + 1 #12 GND
→	" " - 1" C - 6 #12 AMG THWN + 1 #12 GND
→	CONDUIT STUB - CAPPED AND LABELED.
①	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
U.O.N.	UNLESS OTHERWISE NOTED
M.P.	WEATHERPROOF
⊠	FUSED DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR (U.O.N.)
⊕	JUNCTION BOX WITH FLEX CONNECTION
⊕	MOTOR

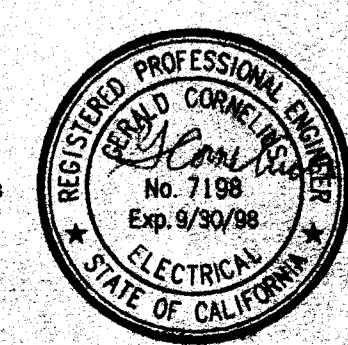
ELECTRICAL SYMBOLS NOTES

- (1) RUN 3/4" C STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING, U.O.N.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APR 6 7 8 8 0
DATE: JUL 10 1997



CORNELIUS - SING
CONSULTING GROUP, INC.
Consulting Electrical Engineers
918 W. Main St. - Ph. 733-2671
Visalia, California 93291



REVISIONS

HEATING & COOLING MODIFICATIONS
CASTRO LANE ELEMENTARY SCHOOL
2800 ROSE MARIE DRIVE
BAKERSFIELD CITY SCHOOL DISTRICT

Lawrence Nye Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1400 Easton Drive Suite 130
Bakersfield California 93309
(805) 322-0211
1300 W Shaw Avenue Suite 2B
Bakersfield California 93311
(805) 322-0101

DATE	4-4-97
DRAWN	RTS
CHECKED	JLJ
PROJECT	46240
SHEET	E-1