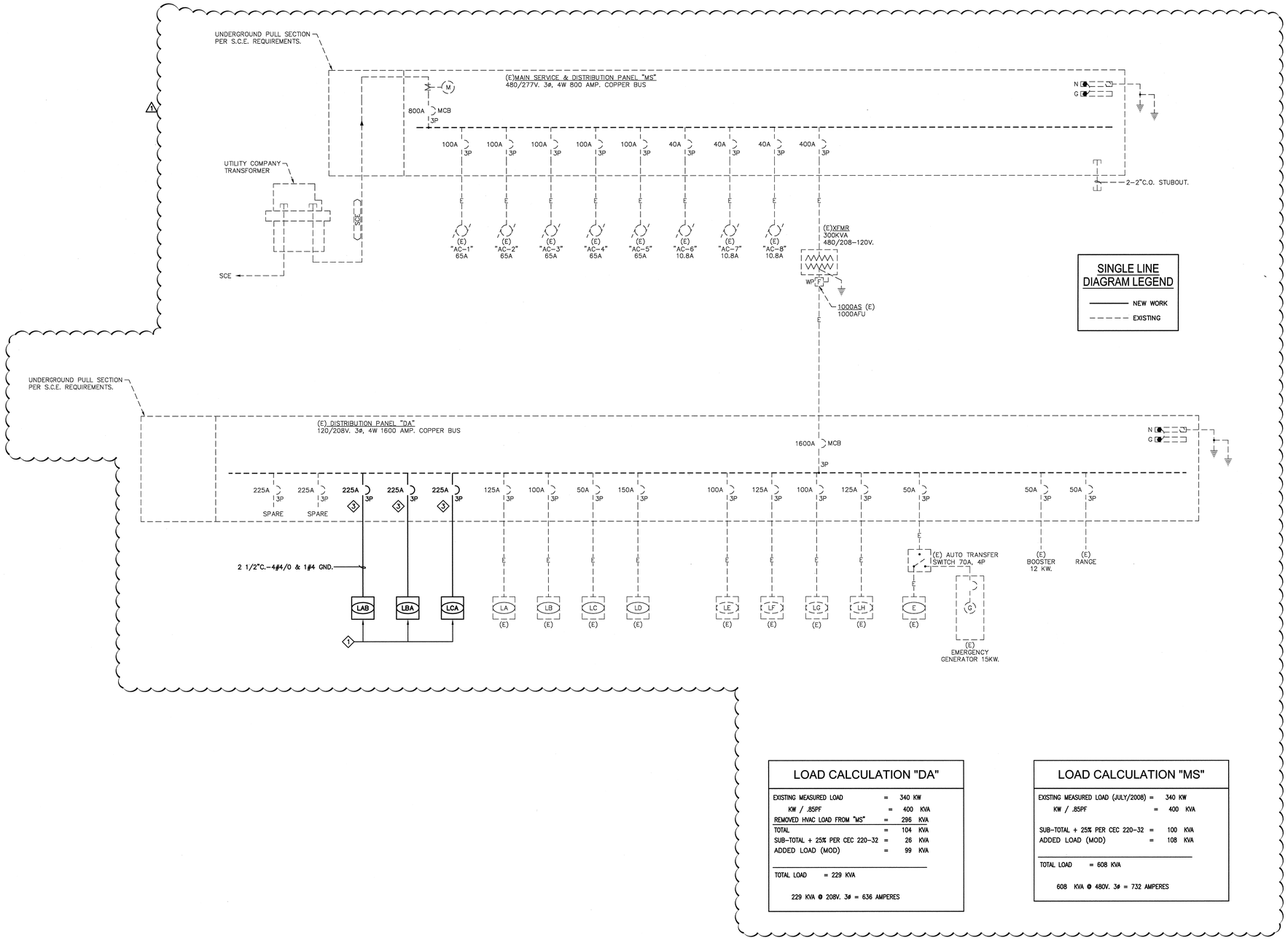

SINGLE LINE DIAGRAM LEGEND

- NEW WORK
- EXISTING

LOAD CALCULATION "DA"

EXISTING MEASURED LOAD	=	340	KW
KW / .85PF	=	400	KVA
REMOVED HVAC LOAD FROM "MS"	=	296	KVA
TOTAL	=	104	KVA
SUB-TOTAL + 25% PER CEC 220-32	=	26	KVA
ADDED LOAD (MOD)	=	99	KVA

TOTAL LOAD = 229 KVA

229 KVA @ 208V. 3ø = 636 AMPERES

LOAD CALCULATION "MS"

EXISTING MEASURED LOAD (JULY/2008)	=	340	KW
KW / .85PF	=	400	KVA
SUB-TOTAL + 25% PER CEC 220-32	=	100	KVA
ADDED LOAD (MOD)	=	108	KVA

TOTAL LOAD = 608 KVA

608 KVA @ 480V. 3ø = 732 AMPERES

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SHEET NOTES

1. FURNISH GROUND BUS IN EACH BRANCH CIRCUIT PANEL. ALL PANELS 208/120 VOLT, SHALL HAVE THE FEEDER EQUIPMENT GROUNDING CONDUCTOR CONNECTED TO GROUND BUS. FURNISH EQUIPMENT GROUNDING CONDUCTOR IN EVERY FEEDER AND BRANCH CIRCUIT, RUN TO LAST OUTLET AND CONNECT TO BUS. CONDUIT GROUND IS NOT ACCEPTABLE AS A SUBSTITUTE. TYPICAL ALL PANELS, SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND SWITCHGEAR.
2. CONNECT TO BUILDING GROUND SYSTEM AT EACH BUILDING SERVICE PANEL.
3. USE EXISTING SPARE BREAKERS, TYPICAL.

CONSULTANT SEAL

REGISTERED PROFESSIONAL ENGINEER MICHAEL J. JAYLOR No. E 17765 Exp. 9-30-10 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT

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KEY PLAN

AGENCY APPROVAL

IDENTIFCATION STAMP
DIV. OF THE STATE ARCHITECT
04-106133
AC.____ FLS.____ SS.____
DATE_____

PROJECT TITLE

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
777 NORTH "F" STREET
SAN BERNARDINO,CA. 92410

RAMONA-ALESSANDRO ELEMENTARY SCHOOL
MODERNIZATION
670 RAMONA AVENUE
SAN BERNARDINO, CA 92411

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NO.	REVISIONS	DATE	NO.	REVISIONS	DATE
1	DSA ADDENDUM NO. 1	2/10/10			

DRAWING TITLE

SINGLE LINE DIAGRAM

ARCHITECT SEAL

REGISTERED ARCHITECT CHRISTOPHER J. TAYLOR No. C-19759 REN. 02-24-10 STATE OF CALIFORNIA

DESIGNED MJ	PROJECT NO. 3137117
DRAWN RL	SCALE NO SCALE
CHECKED JJR	DRAWING NO. E-0.4
DATE 19 MAR 2004	

" BID ISSUANCE SET"