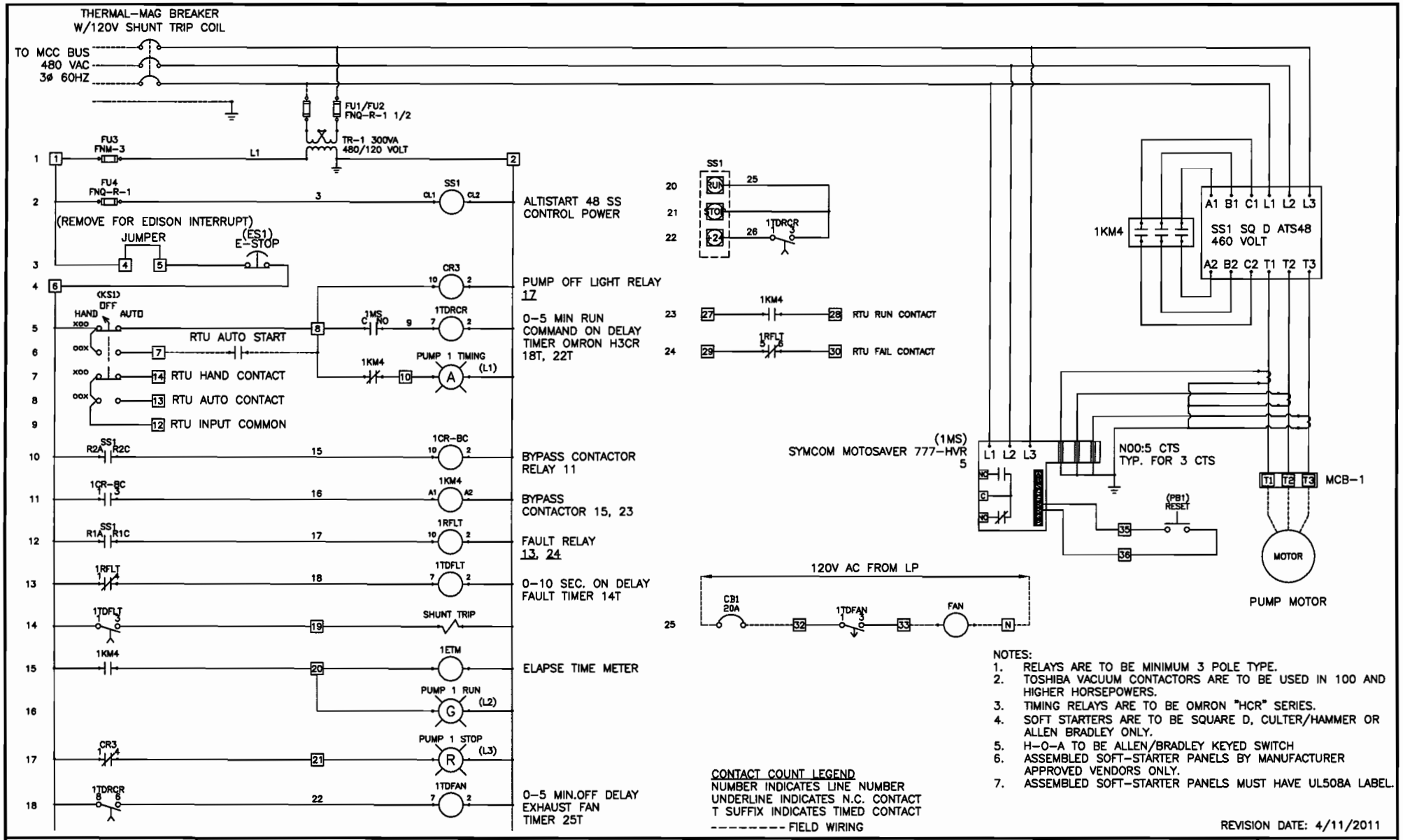

NOTES:
1. RELAYS ARE TO BE MINIMUM 3 POLE TYPE.
2. TOSHIBA VACUUM CONTACTORS ARE TO BE USED IN 100 AND HIGHER HORSEPOWERS.
3. TIMING RELAYS ARE TO BE OMRON "HCR" SERIES.
4. SOFT STARTERS ARE TO BE SQUARE D, CULTER/HAMMER OR ALLEN BRADLEY ONLY.
5. H-O-A TO BE ALLEN/BRADLEY KEYED SWITCH
6. ASSEMBLED SOFT-STARTER PANELS BY MANUFACTURER APPROVED VENDORS ONLY.
7. ASSEMBLED SOFT-STARTER PANELS MUST HAVE UL508A LABEL.

CONTACT COUNT LEGEND
NUMBER INDICATES LINE NUMBER
UNDERLINE INDICATES N.C. CONTACT
T SUFFIX INDICATES TIMED CONTACT
- - - - - - - - FIELD WIRING

REVISION DATE: 4/11/2011

D.D.M.	APR. 11
M.H.L.	APR. 05
REVISION	DATE
SCALE: NONE	

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

THREE LINE AND CONTROL
SQUARE D AT S48 SOFT STARTER PUMPS/WELLS

APPROVED _____ DATE 10/11/14

MATTHEW H. LITCHFIELD, P.E. RCE 58079

DRAWING NUMBER

SBMWD

W11.1