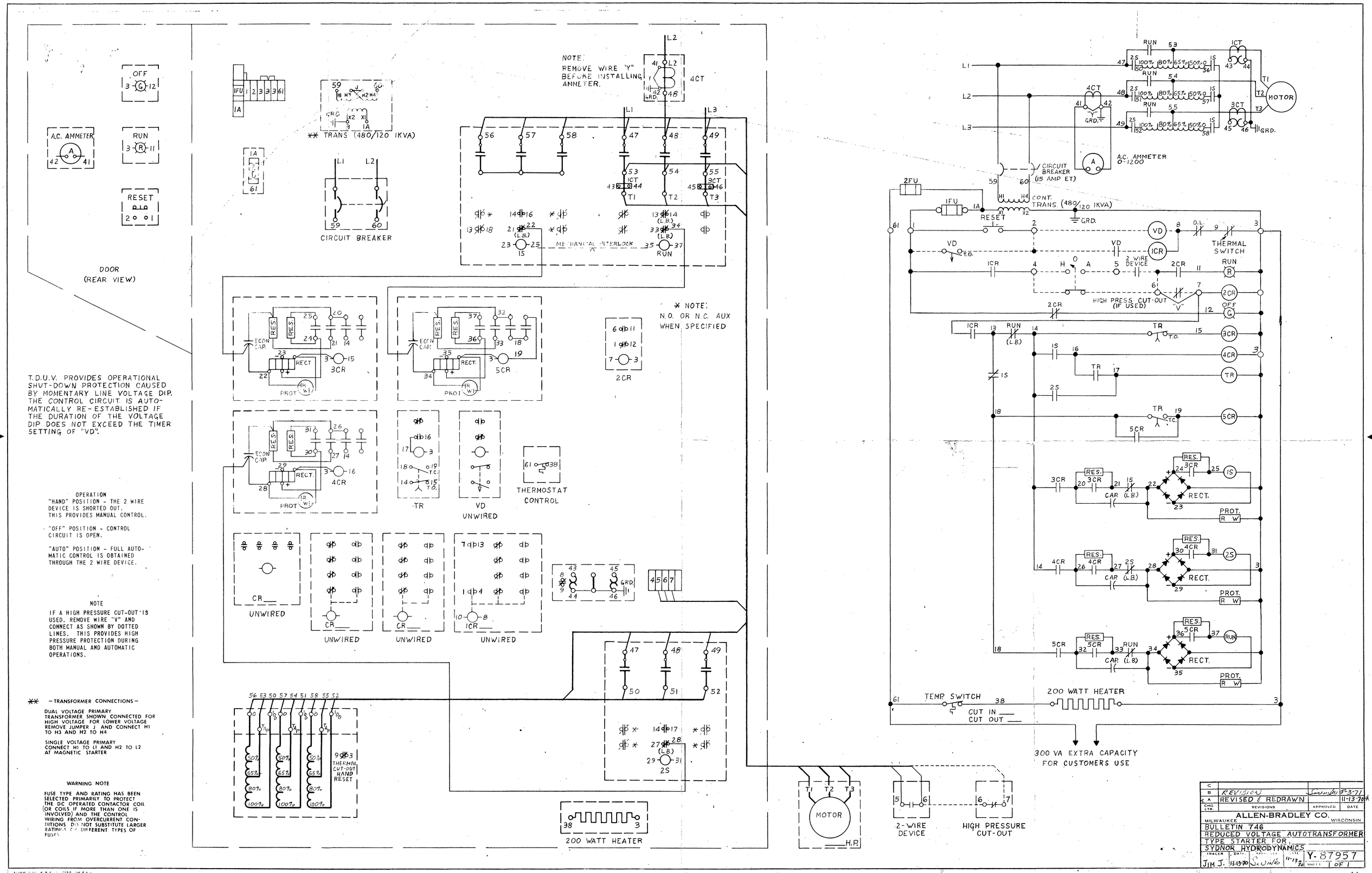
OFF
RUN
RESET
A.C. AMMETER
DOOR (REAR VIEW)
1FU
1A
** TRANS (480/120 IKVA)
CIRCUIT BREAKER
NOTE: REMOVE WIRE "Y" BEFORE INSTALLING AMMETER.
4CT
ICT
3CT
MECHANICAL INTERLOCK
IS
RUN
* NOTE: N.O. OR N.C. AUX WHEN SPECIFIED
2CR
3CR
5CR
4CR
TR
VD UNWIRED
THERMOSTAT CONTROL
UNWIRED
THERMAL CUT-OUT HAND RESET
200 WATT HEATER
MOTOR
H.P.
2-WIRE DEVICE
HIGH PRESSURE CUT-OUT
T.D.U.V. PROVIDES OPERATIONAL SHUT-DOWN PROTECTION CAUSED BY MOMENTARY LINE VOLTAGE DIP. THE CONTROL CIRCUIT IS AUTOMATICALLY RE-ESTABLISHED IF THE DURATION OF THE VOLTAGE DIP DOES NOT EXCEED THE TIMER SETTING OF "VD".
OPERATION
"HAND" POSITION - THE 2 WIRE DEVICE IS SHORTED OUT. THIS PROVIDES MANUAL CONTROL.
"OFF" POSITION - CONTROL CIRCUIT IS OPEN.
"AUTO" POSITION - FULL AUTOMATIC CONTROL IS OBTAINED THROUGH THE 2 WIRE DEVICE.
NOTE
IF A HIGH PRESSURE CUT-OUT IS USED, REMOVE WIRE "V" AND CONNECT AS SHOWN BY DOTTED LINES. THIS PROVIDES HIGH PRESSURE PROTECTION DURING BOTH MANUAL AND AUTOMATIC OPERATIONS.
** - TRANSFORMER CONNECTIONS -
DUAL VOLTAGE PRIMARY TRANSFORMER SHOWN CONNECTED FOR HIGH VOLTAGE FOR LOWER VOLTAGE REMOVE JUMPER J AND CONNECT H1 TO H3 AND H2 TO H4.
SINGLE VOLTAGE PRIMARY CONNECT H1 TO L1 AND H2 TO L2 AT MAGNETIC STARTER
WARNING NOTE
FUSE TYPE AND RATING HAS BEEN SELECTED PRIMARILY TO PROTECT THE DC OPERATED CONTACTOR COIL (OR COILS IF MORE THAN ONE IS INVOLVED) AND THE CONTROL WIRING FROM OVERCURRENT CONDITIONS. DO NOT SUBSTITUTE LARGER RATINGS OR DIFFERENT TYPES OF FUSES.
CIRCUIT BREAKER (15 AMP ET)
CONT. TRANS. (480/120 IKVA)
A.C. AMMETER 0-1200
THERMAL SWITCH
HIGH PRESS CUT-OUT (IF USED)
TEMP. SWITCH
CUT IN
CUT OUT
200 WATT HEATER
300 VA EXTRA CAPACITY FOR CUSTOMERS USE
REVISED & REDRAWN
ALLEN-BRADLEY CO.
MILWAUKEE WISCONSIN
BULLETIN 746
REDUCED VOLTAGE AUTOTRANSFORMER TYPE STARTER FOR SYDNOR HYDRODYNAMICS
Y-87957
JIM J.
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