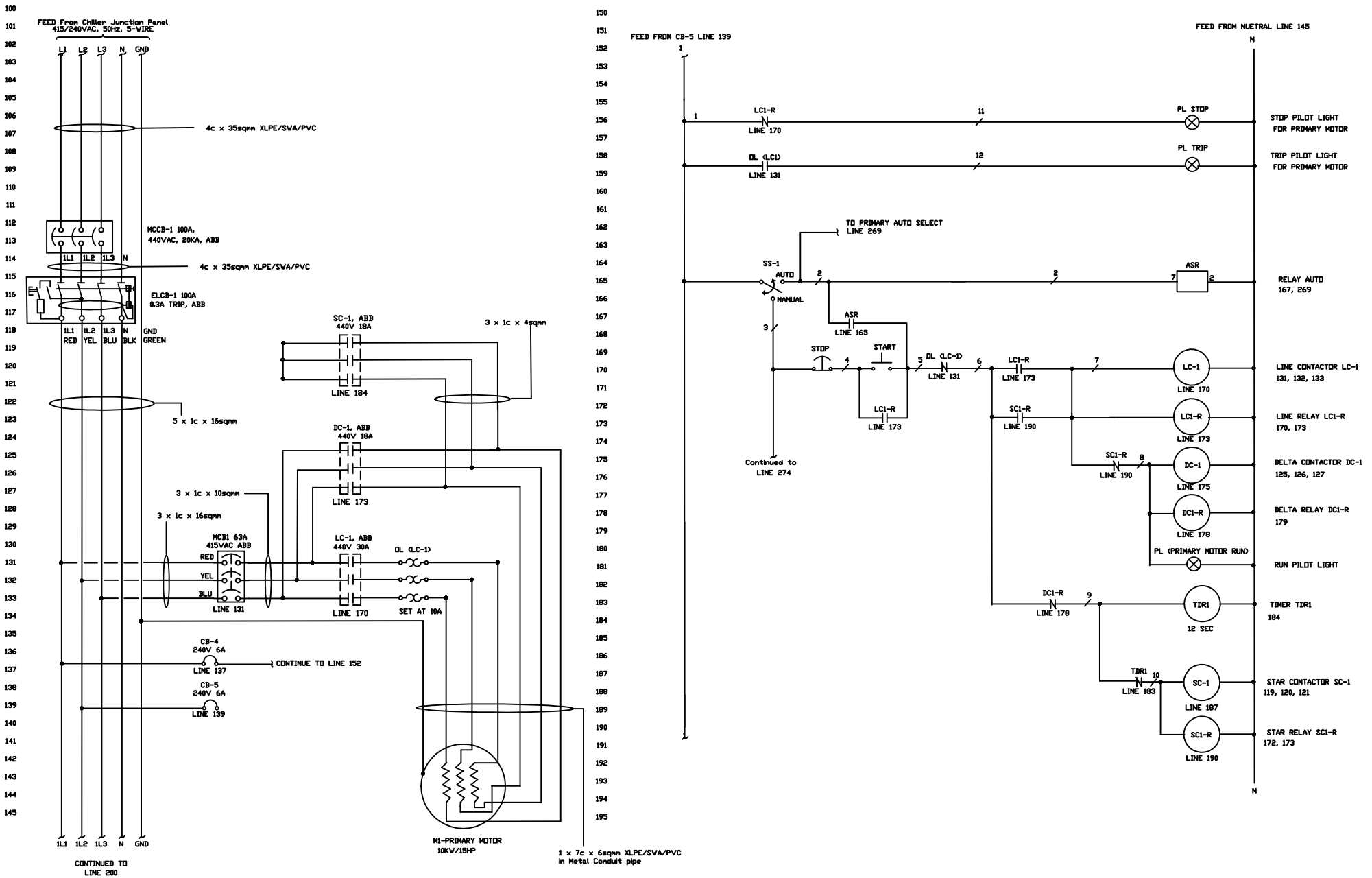
FEED From Chiller Junction Panel
415/240VAC, 50Hz, 5-WIRE
L1 L2 L3 N GND
4c x 35sqmm XLPE/SWA/PVC
MCCB-1 100A,
440VAC, 20KA, ABB
1L1 1L2 1L3 N
4c x 35sqmm XLPE/SWA/PVC
ELCB-1 100A
0.3A TRIP, ABB
1L1 1L2 1L3 N GND
RED YEL BLU BLK GREEN
5 x 1c x 16sqmm
SC-1, ABB
440V 18A
LINE 184
3 x 1c x 4sqmm
DC-1, ABB
440V 18A
LINE 173
3 x 1c x 10sqmm
3 x 1c x 16sqmm
MCB1 63A
415VAC ABB
RED
YEL
BLU
LINE 131
LC-1, ABB
440V 30A
LINE 170
DL (LC-1)
SET AT 10A
CB-4
240V 6A
LINE 137
CONTINUE TO LINE 152
CB-5
240V 6A
LINE 139
M1-PRIMARY MOTOR
10KW/15HP
1 x 7c x 6sqmm XLPE/SWA/PVC
in Metal Conduit pipe
1L1 1L2 1L3 N GND
CONTINUED TO
LINE 200
FEED FROM CB-5 LINE 139
FEED FROM NUETRAL LINE 145
LC1-R
LINE 170
PL STOP
STOP PILOT LIGHT
FOR PRIMARY MOTOR
DL (LC1)
LINE 131
PL TRIP
TRIP PILOT LIGHT
FOR PRIMARY MOTOR
TO PRIMARY AUTO SELECT
LINE 269
SS-1
AUTO
MANUAL
ASR
RELAY AUTO
167, 269
ASR
LINE 165
STOP
START
LC1-R
LINE 173
DL (LC-1)
LINE 131
LC1-R
LINE 173
LC-1
LINE 170
LINE CONTACTOR LC-1
131, 132, 133
SC1-R
LINE 190
LC1-R
LINE 173
LINE RELAY LC1-R
170, 173
Continued to
LINE 274
SC1-R
LINE 190
DC-1
LINE 175
DELTA CONTACTOR DC-1
125, 126, 127
DC1-R
LINE 178
DELTA RELAY DC1-R
179
PL (PRIMARY MOTOR RUN)
RUN PILOT LIGHT
DC1-R
LINE 178
TDR1
12 SEC
TIMER TDR1
184
TDR1
LINE 183
SC-1
LINE 187
STAR CONTACTOR SC-1
119, 120, 121
SC1-R
LINE 190
STAR RELAY SC1-R
172, 173