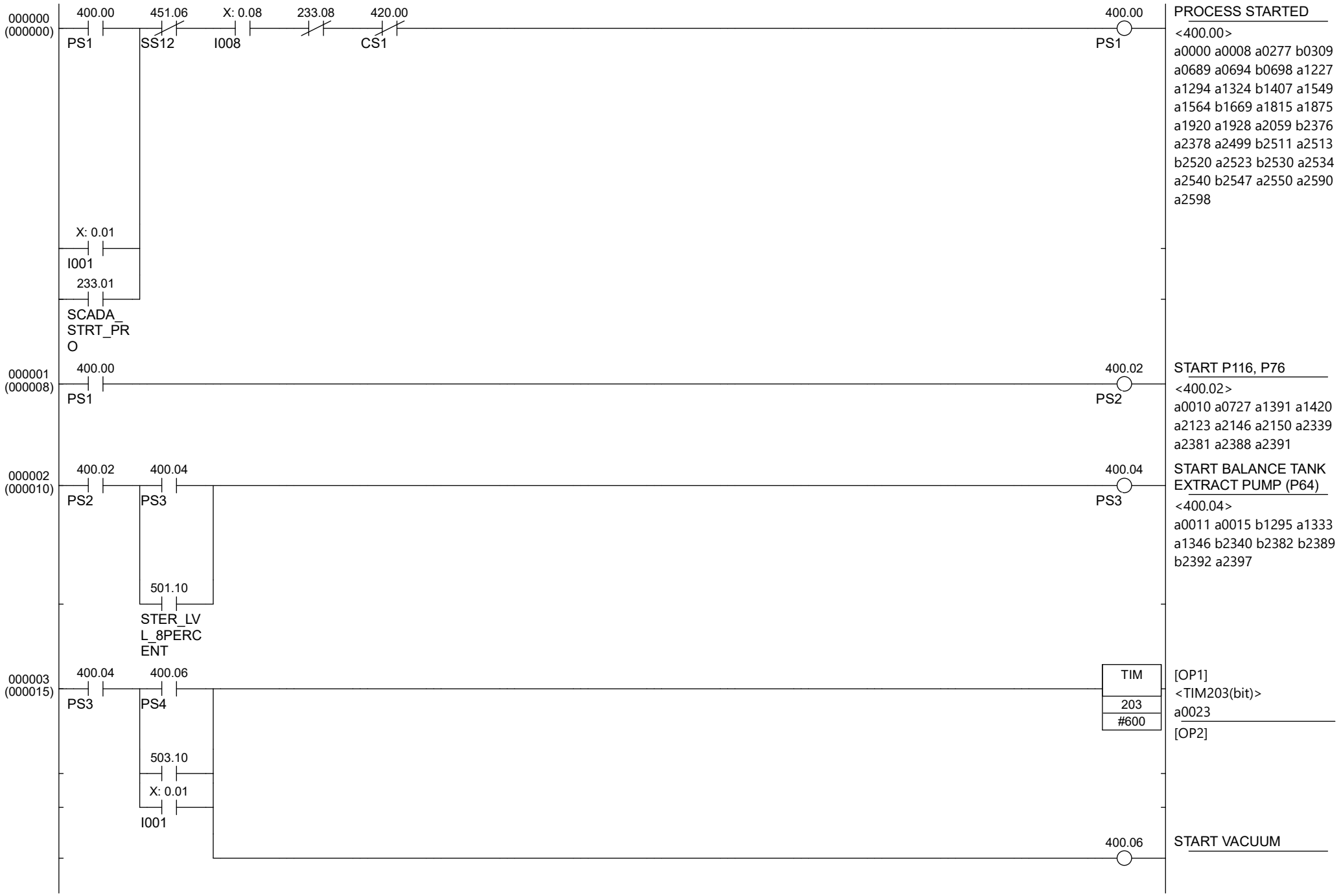
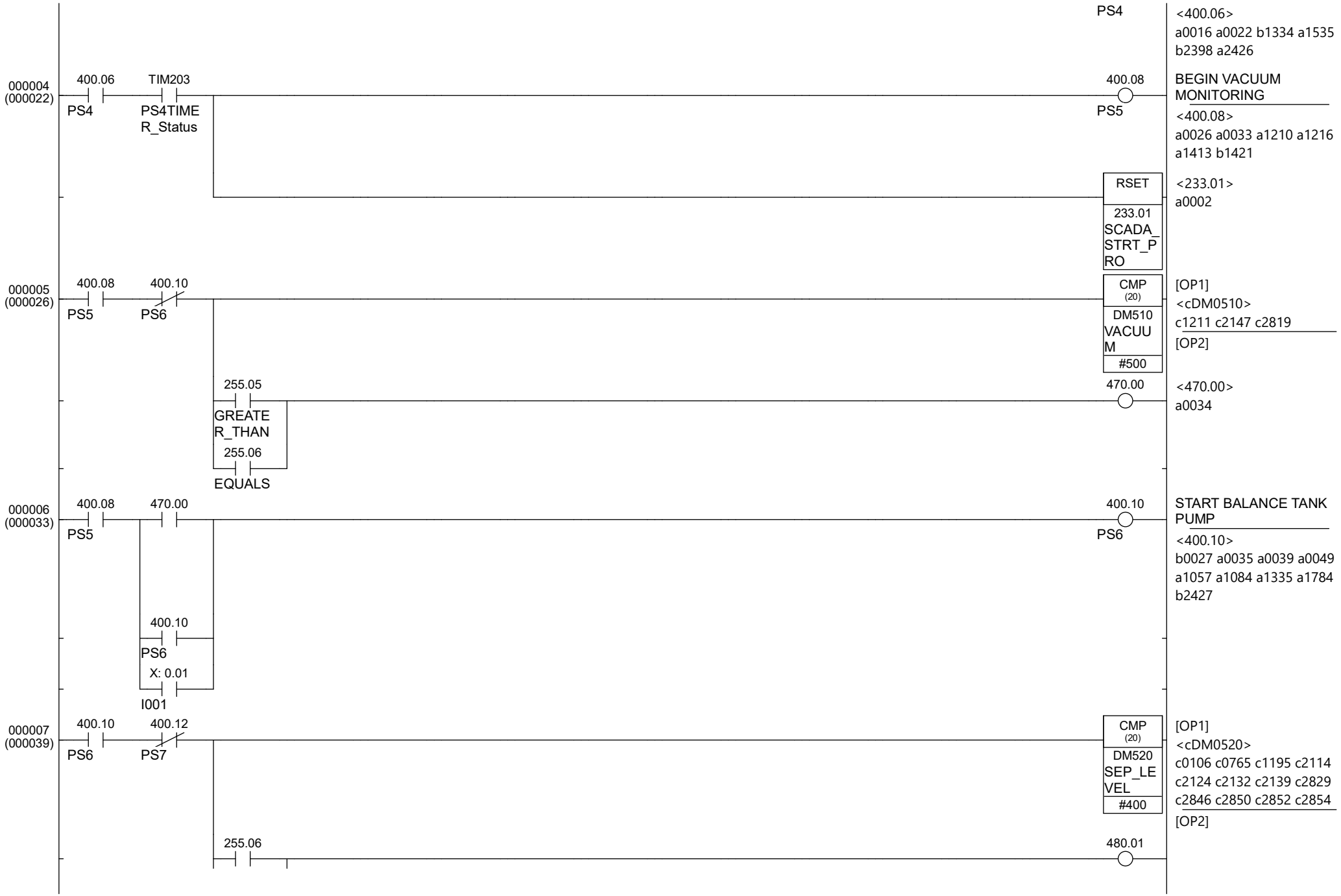
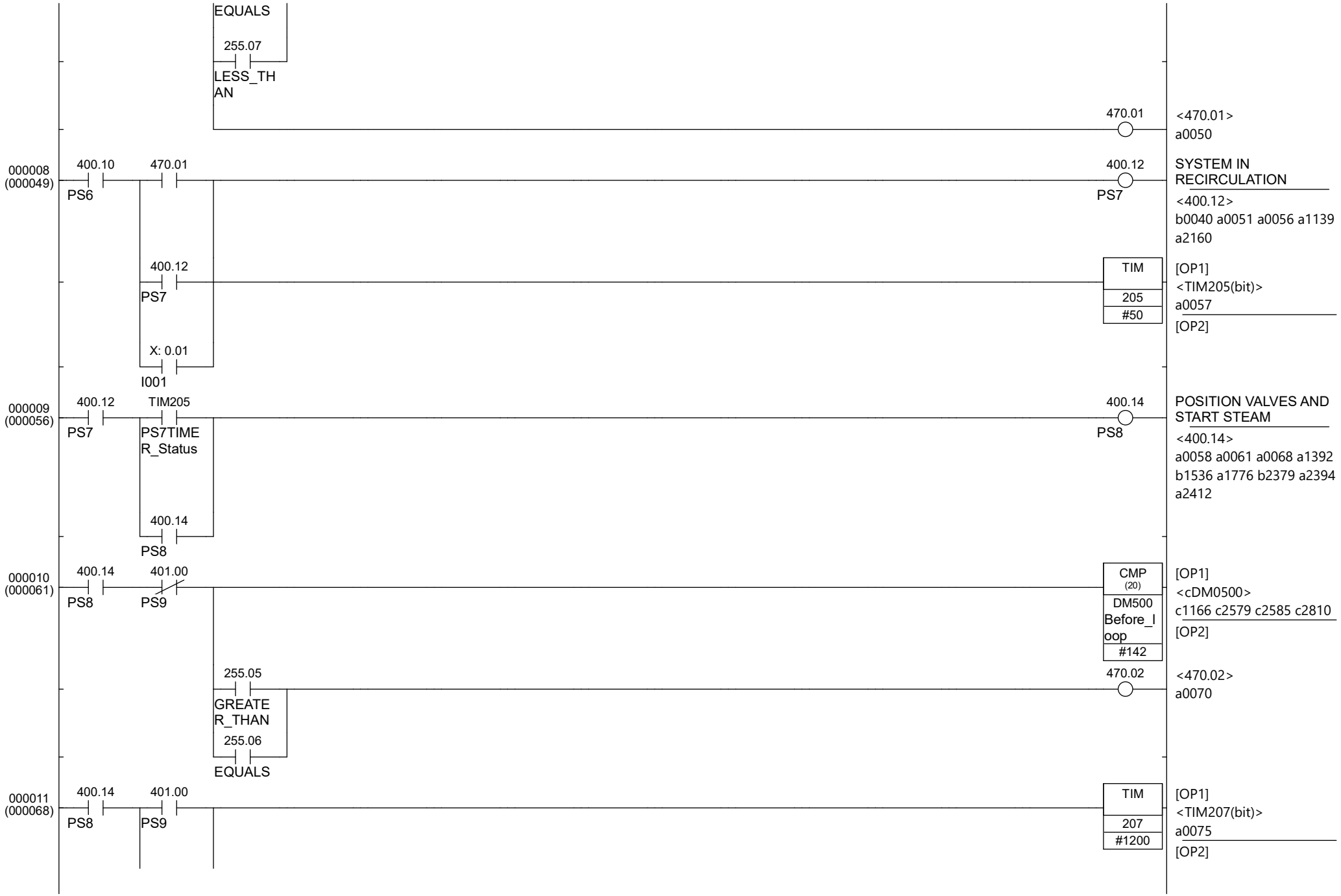
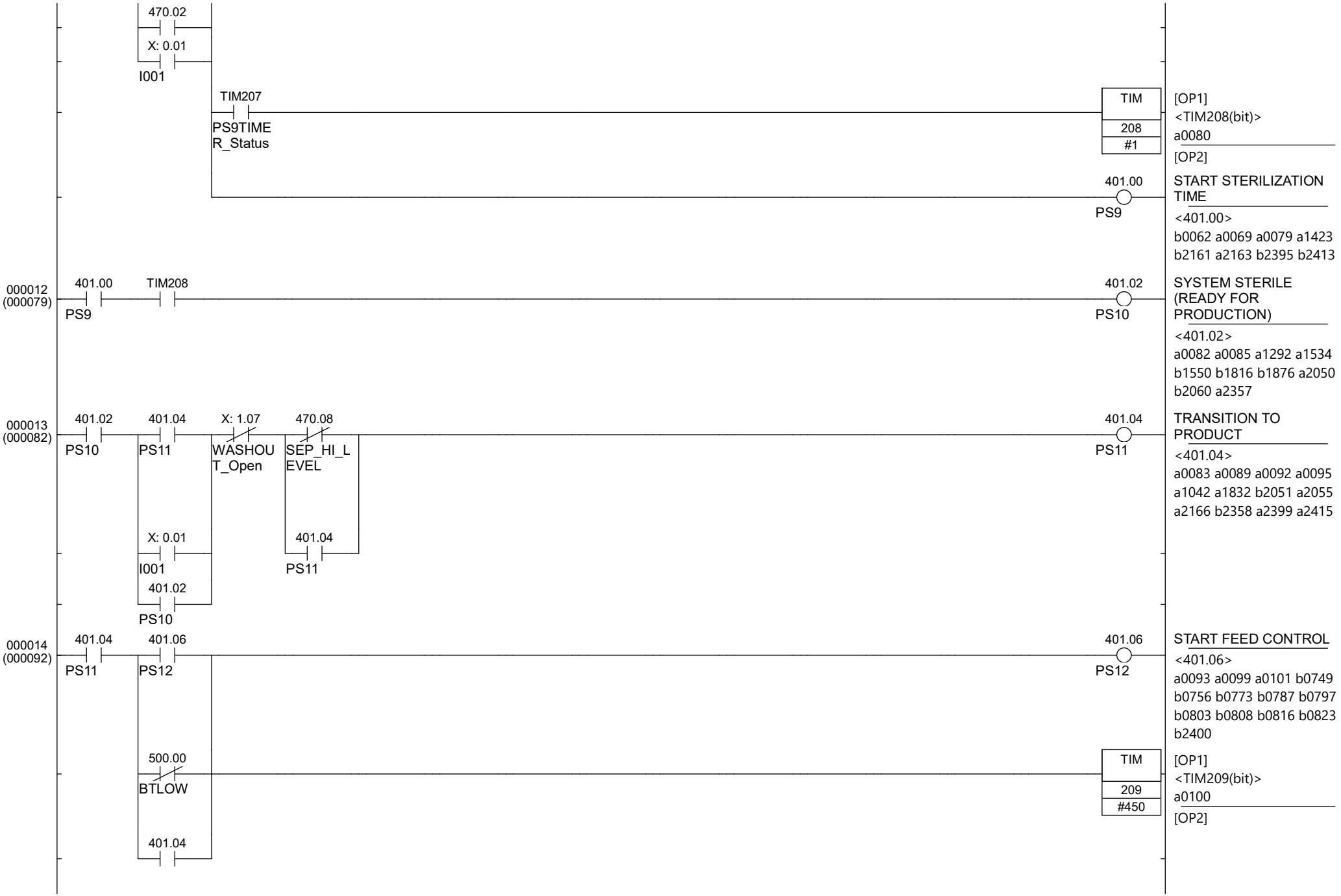
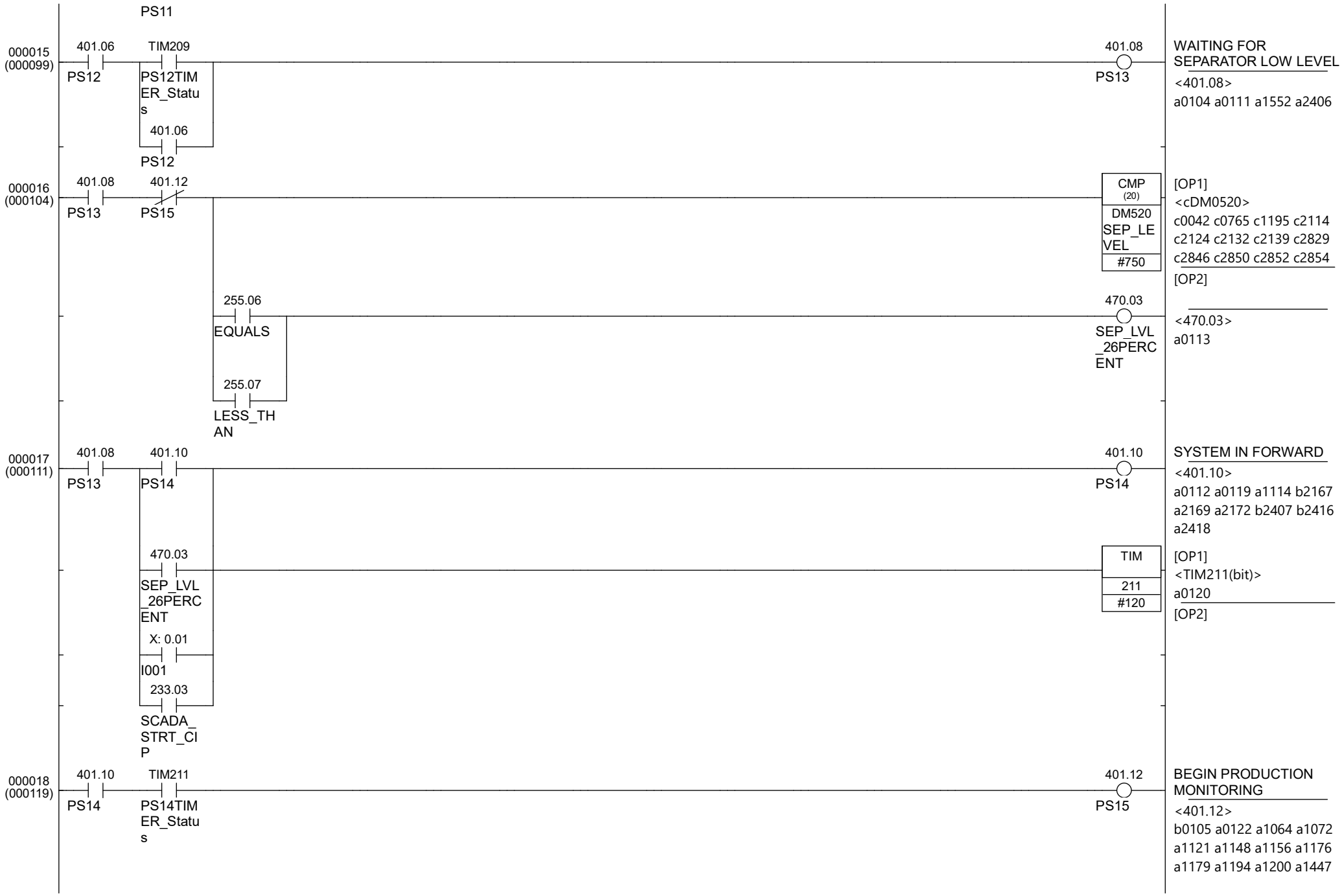
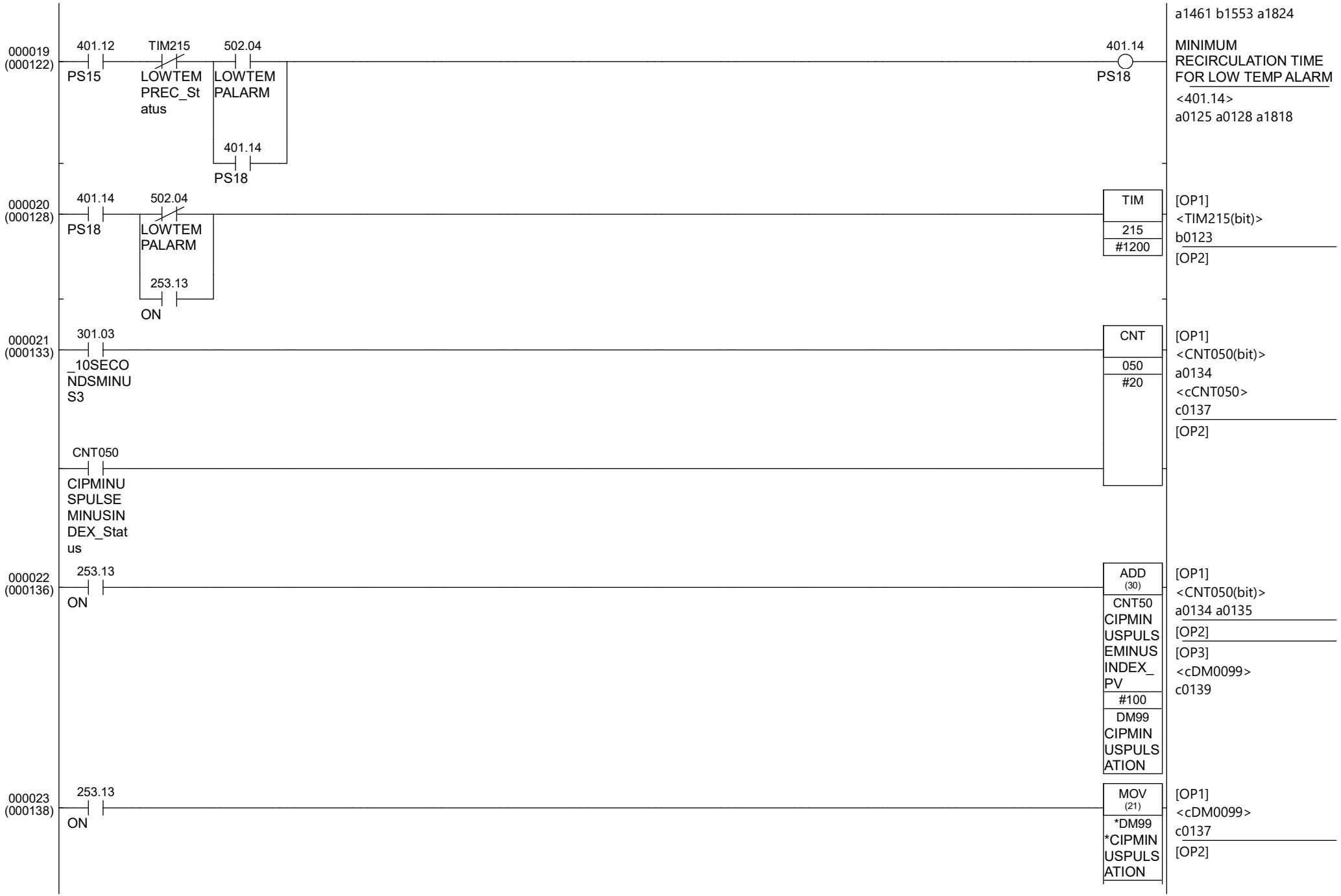

000000
(000000)
400.00
PS1
451.06
SS12
X: 0.08
I008
233.08
420.00
CS1
400.00
PS1
PROCESS STARTED
<400.00>
a0000 a0008 a0277 b0309
a0689 a0694 b0698 a1227
a1294 a1324 b1407 a1549
a1564 b1669 a1815 a1875
a1920 a1928 a2059 b2376
a2378 a2499 b2511 a2513
b2520 a2523 b2530 a2534
a2540 b2547 a2550 a2590
a2598
X: 0.01
I001
233.01
SCADA_
STRT_PR
O
000001
(000008)
400.00
PS1
400.02
PS2
START P116, P76
<400.02>
a0010 a0727 a1391 a1420
a2123 a2146 a2150 a2339
a2381 a2388 a2391
000002
(000010)
400.02
PS2
400.04
PS3
400.04
PS3
START BALANCE TANK
EXTRACT PUMP (P64)
<400.04>
a0011 a0015 b1295 a1333
a1346 b2340 b2382 b2389
b2392 a2397
501.10
STER_LV
L_8PERC
ENT
000003
(000015)
400.04
PS3
400.06
PS4
TIM
203
#600
[OP1]
<TIM203(bit)>
a0023
[OP2]
503.10
X: 0.01
I001
400.06
START VACUUM

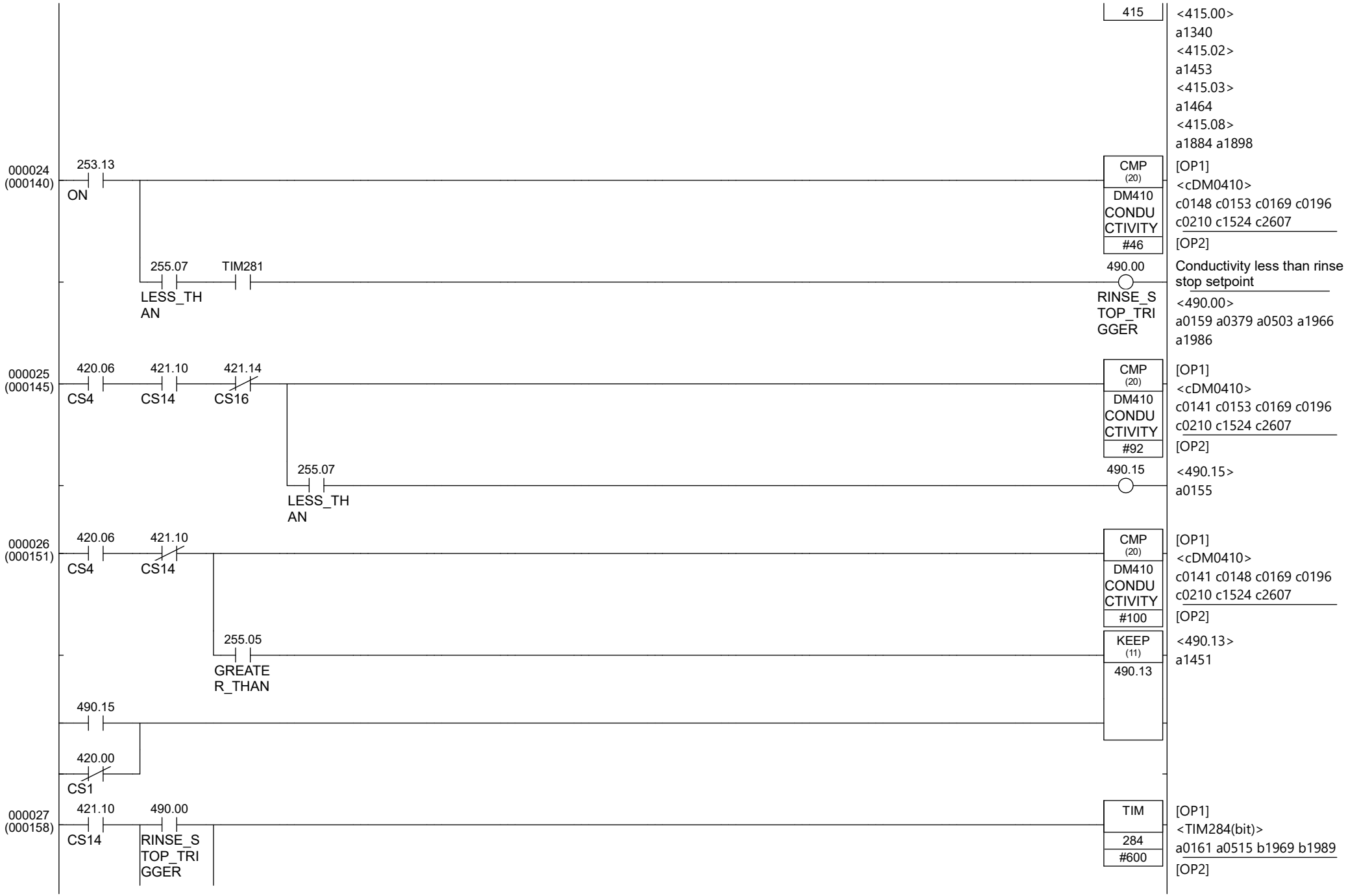

000004
(000022)
400.06
PS4
TIM203
PS4TIME
R_Status
PS4
400.08
PS5
<400.06>
a0016 a0022 b1334 a1535
b2398 a2426
BEGIN VACUUM
MONITORING
<400.08>
a0026 a0033 a1210 a1216
a1413 b1421
RSET
233.01
SCADA_
STRT_P
RO
<233.01>
a0002
000005
(000026)
400.08
PS5
400.10
PS6
CMP
(20)
DM510
VACUU
M
#500
[OP1]
<cDM0510>
c1211 c2147 c2819
[OP2]
255.05
GREATE
R_THAN
255.06
EQUALS
470.00
<470.00>
a0034
000006
(000033)
400.08
PS5
470.00
400.10
PS6
START BALANCE TANK
PUMP
<400.10>
b0027 a0035 a0039 a0049
a1057 a1084 a1335 a1784
b2427
400.10
PS6
X: 0.01
I001
000007
(000039)
400.10
PS6
400.12
PS7
CMP
(20)
DM520
SEP_LE
VEL
#400
[OP1]
<cDM0520>
c0106 c0765 c1195 c2114
c2124 c2132 c2139 c2829
c2846 c2850 c2852 c2854
[OP2]
255.06
480.01

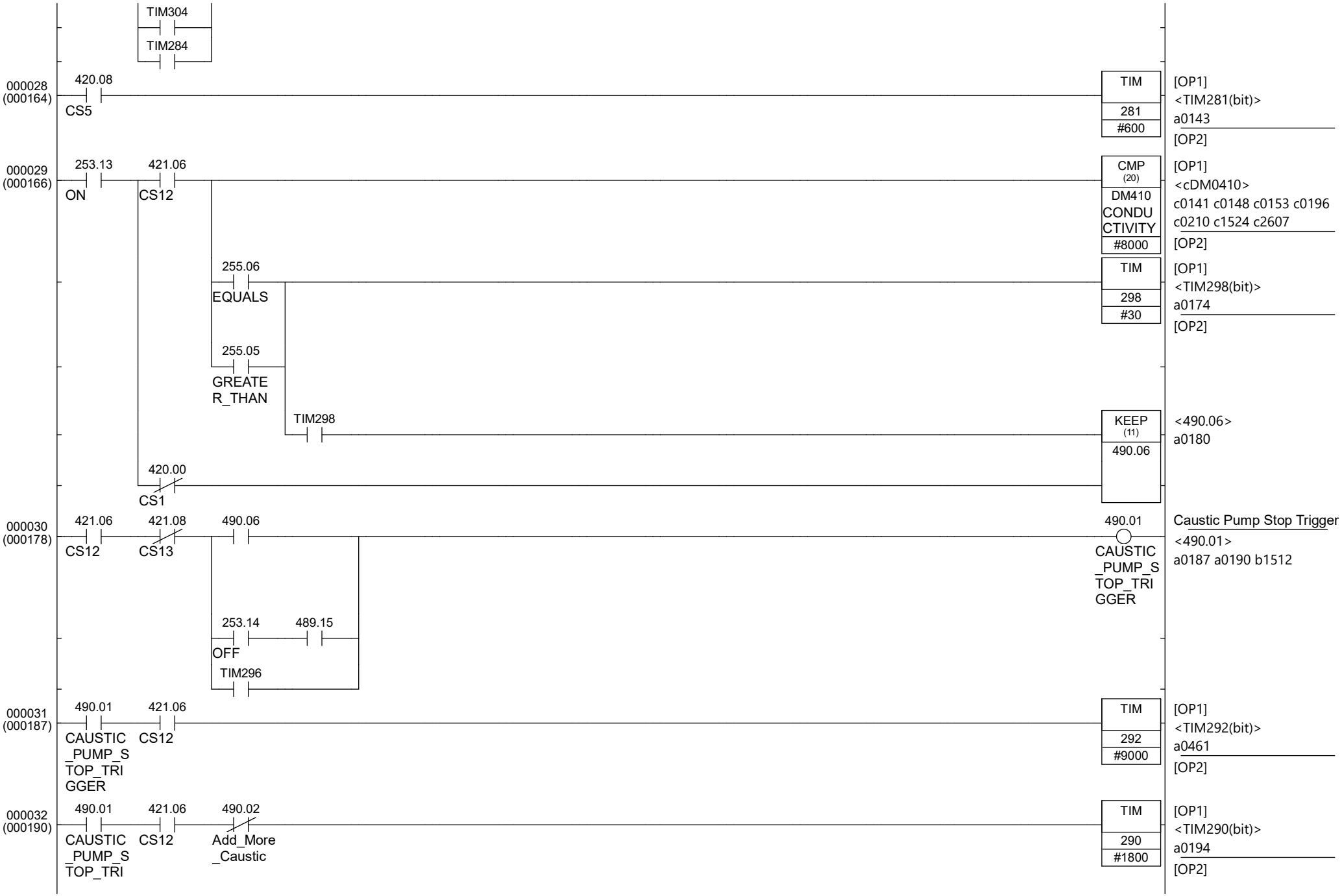

EQUALS
255.07
LESS_TH
AN
470.01
<470.01>
a0050
000008
(000049)
400.10
PS6
470.01
400.12
PS7
SYSTEM IN
RECIRCULATION
<400.12>
b0040 a0051 a0056 a1139
a2160
400.12
PS7
TIM
205
#50
[OP1]
<TIM205(bit)>
a0057
[OP2]
X: 0.01
I001
000009
(000056)
400.12
PS7
TIM205
PS7TIME
R_Status
400.14
PS8
POSITION VALVES AND
START STEAM
<400.14>
a0058 a0061 a0068 a1392
b1536 a1776 b2379 a2394
a2412
400.14
PS8
000010
(000061)
400.14
PS8
401.00
PS9
CMP
(20)
DM500
Before_l
oop
#142
[OP1]
<cDM0500>
c1166 c2579 c2585 c2810
[OP2]
255.05
GREATE
R_THAN
255.06
EQUALS
470.02
<470.02>
a0070
000011
(000068)
400.14
PS8
401.00
PS9
TIM
207
#1200
[OP1]
<TIM207(bit)>
a0075
[OP2]


470.02
X: 0.01
I001
TIM207
PS9TIME
R_Status
TIM
208
#1
[OP1]
<TIM208(bit)>
a0080
[OP2]
401.00
PS9
START STERILIZATION TIME
<401.00>
b0062 a0069 a0079 a1423 b2161 a2163 b2395 b2413
000012
(000079)
401.00
PS9
TIM208
401.02
PS10
SYSTEM STERILE (READY FOR PRODUCTION)
<401.02>
a0082 a0085 a1292 a1534 b1550 b1816 b1876 a2050 b2060 a2357
000013
(000082)
401.02
PS10
401.04
PS11
X: 1.07
WASHOUT_Open
470.08
SEP_HI_LEVEL
401.04
PS11
TRANSITION TO PRODUCT
<401.04>
a0083 a0089 a0092 a0095 a1042 a1832 b2051 a2055 a2166 b2358 a2399 a2415
X: 0.01
I001
401.04
PS11
401.02
PS10
000014
(000092)
401.04
PS11
401.06
PS12
401.06
PS12
START FEED CONTROL
<401.06>
a0093 a0099 a0101 b0749 b0756 b0773 b0787 b0797 b0803 b0808 b0816 b0823 b2400
500.00
BTLOW
TIM
209
#450
[OP1]
<TIM209(bit)>
a0100
[OP2]
401.04


PS11
000015
(000099)
401.06
PS12
TIM209
PS12TIMER_Status
401.06
PS12
401.08
PS13
WAITING FOR SEPARATOR LOW LEVEL
<401.08>
a0104 a0111 a1552 a2406
000016
(000104)
401.08
PS13
401.12
PS15
CMP
(20)
DM520
SEP_LEVEL
#750
[OP1]
<cDM0520>
c0042 c0765 c1195 c2114 c2124 c2132 c2139 c2829 c2846 c2850 c2852 c2854
[OP2]
255.06
EQUALS
255.07
LESS_THAN
470.03
SEP_LVL_26PERCENT
<470.03>
a0113
000017
(000111)
401.08
PS13
401.10
PS14
401.10
PS14
SYSTEM IN FORWARD
<401.10>
a0112 a0119 a1114 b2167 a2169 a2172 b2407 b2416 a2418
470.03
SEP_LVL_26PERCENT
X: 0.01
I001
233.03
SCADA_STRT_CIP
TIM
211
#120
[OP1]
<TIM211(bit)>
a0120
[OP2]
000018
(000119)
401.10
PS14
TIM211
PS14TIMER_Status
401.12
PS15
BEGIN PRODUCTION MONITORING
<401.12>
b0105 a0122 a1064 a1072 a1121 a1148 a1156 a1176 a1179 a1194 a1200 a1447


000019
(000122)
401.12
PS15
TIM215
LOWTEM
PREC_St
atus
502.04
LOWTEM
PALARM
401.14
PS18
401.14
PS18
a1461 b1553 a1824
MINIMUM
RECIRCULATION TIME
FOR LOW TEMP ALARM
<401.14>
a0125 a0128 a1818
000020
(000128)
401.14
PS18
502.04
LOWTEM
PALARM
253.13
ON
TIM
215
#1200
[OP1]
<TIM215(bit)>
b0123
[OP2]
000021
(000133)
301.03
_10SECO
NDSMINU
S3
CNT
050
#20
[OP1]
<CNT050(bit)>
a0134
<cCNT050>
c0137
[OP2]
CNT050
CIPMINU
SPULSE
MINUSIN
DEX_Stat
us
000022
(000136)
253.13
ON
ADD
(30)
CNT50
CIPMIN
USPULS
EMINUS
INDEX_
PV
#100
DM99
CIPMIN
USPULS
ATION
[OP1]
<CNT050(bit)>
a0134 a0135
[OP2]
[OP3]
<cDM0099>
c0139
000023
(000138)
253.13
ON
MOV
(21)
*DM99
*CIPMIN
USPULS
ATION
[OP1]
<cDM0099>
c0137
[OP2]


415
<415.00>
a1340
<415.02>
a1453
<415.03>
a1464
<415.08>
a1884 a1898
000024
(000140)
253.13
ON
CMP
(20)
DM410
CONDU
CTIVITY
#46
[OP1]
<cDM0410>
c0148 c0153 c0169 c0196
c0210 c1524 c2607
[OP2]
255.07
LESS_TH
AN
TIM281
490.00
RINSE_S
TOP_TRI
GGER
Conductivity less than rinse stop setpoint
<490.00>
a0159 a0379 a0503 a1966
a1986
000025
(000145)
420.06
CS4
421.10
CS14
421.14
CS16
CMP
(20)
DM410
CONDU
CTIVITY
#92
[OP1]
<cDM0410>
c0141 c0153 c0169 c0196
c0210 c1524 c2607
[OP2]
255.07
LESS_TH
AN
490.15
<490.15>
a0155
000026
(000151)
420.06
CS4
421.10
CS14
CMP
(20)
DM410
CONDU
CTIVITY
#100
[OP1]
<cDM0410>
c0141 c0148 c0169 c0196
c0210 c1524 c2607
[OP2]
255.05
GREATE
R_THAN
KEEP
(11)
490.13
<490.13>
a1451
490.15
420.00
CS1
000027
(000158)
421.10
CS14
490.00
RINSE_S
TOP_TRI
GGER
TIM
284
#600
[OP1]
<TIM284(bit)>
a0161 a0515 b1969 b1989
[OP2]

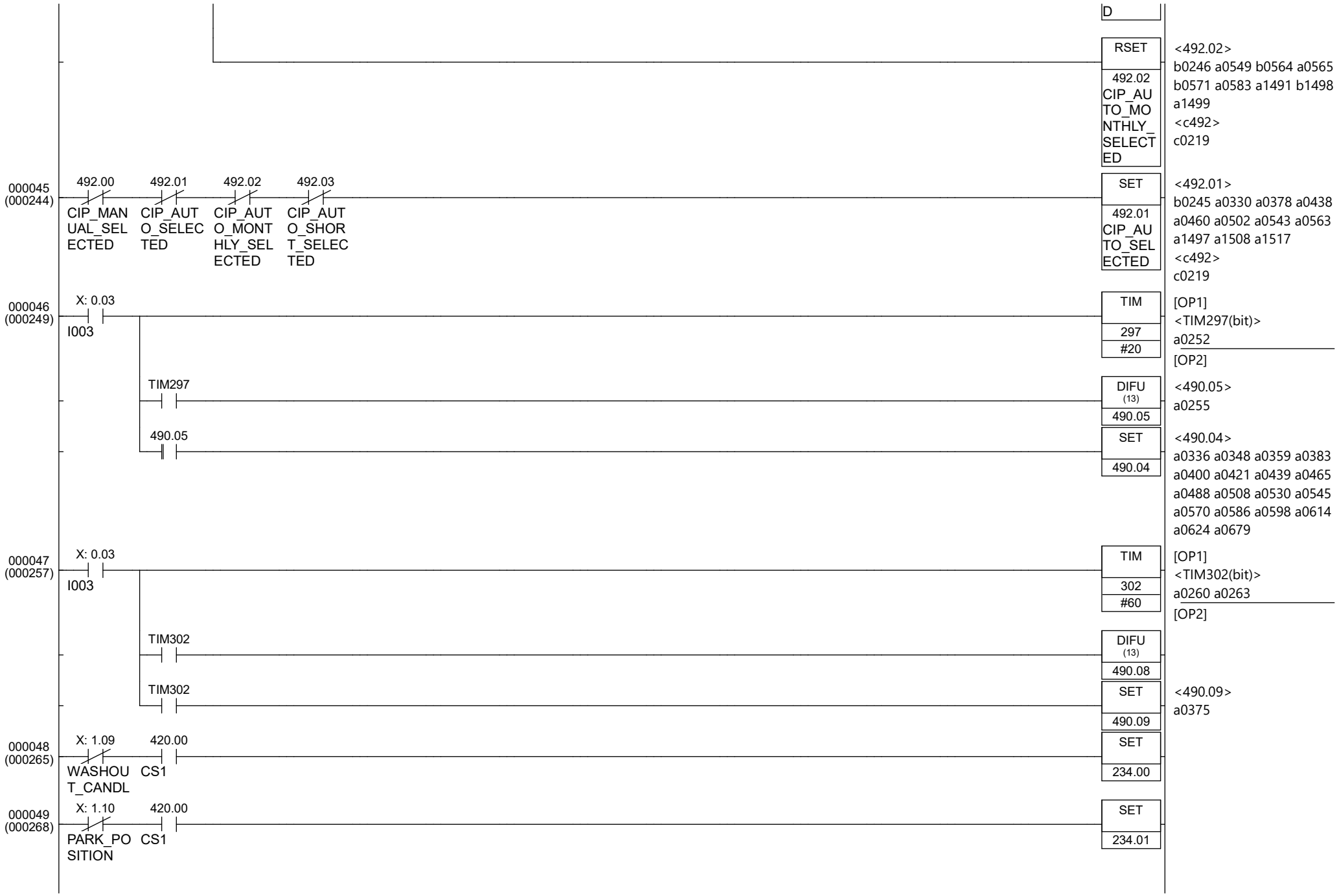

TIM304
TIM284
000028
(000164)
420.08
CS5
TIM
281
#600
[OP1]
<TIM281(bit)>
a0143
[OP2]
000029
(000166)
253.13
ON
421.06
CS12
CMP
(20)
DM410
CONDU
CTIVITY
#8000
[OP1]
<cDM0410>
c0141 c0148 c0153 c0196
c0210 c1524 c2607
[OP2]
255.06
EQUALS
TIM
298
#30
[OP1]
<TIM298(bit)>
a0174
[OP2]
255.05
GREATE
R_THAN
TIM298
KEEP
(11)
490.06
<490.06>
a0180
420.00
CS1
000030
(000178)
421.06
CS12
421.08
CS13
490.06
490.01
CAUSTIC
_PUMP_S
TOP_TRI
GGER
Caustic Pump Stop Trigger
<490.01>
a0187 a0190 b1512
253.14
OFF
489.15
TIM296
000031
(000187)
490.01
CAUSTIC
_PUMP_S
TOP_TRI
GGER
421.06
CS12
TIM
292
#9000
[OP1]
<TIM292(bit)>
a0461
[OP2]
000032
(000190)
490.01
CAUSTIC
_PUMP_S
TOP_TRI
421.06
CS12
490.02
Add_More
_Caustic
TIM
290
#1800
[OP1]
<TIM290(bit)>
a0194
[OP2]

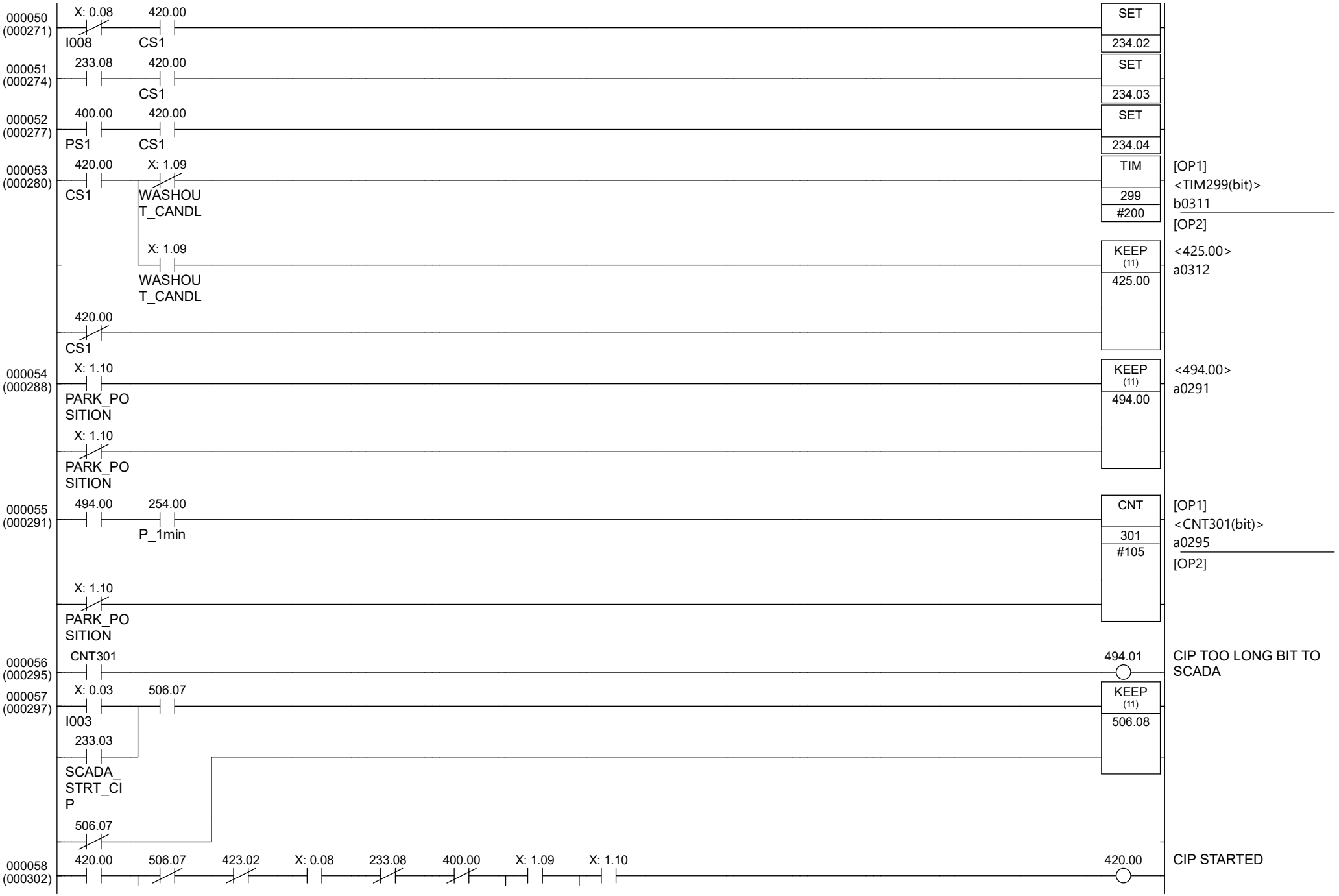
GGER
000033
(000194)
TIM290
CNT004
255.07
LESS_TH
AN
CMP
(20)
DM410
CONDU
CTIVITY
#2000
[OP1]
<cDM0410>
c0141 c0148 c0153 c0169
c0210 c1524 c2607
[OP2]
SET
490.02
Add_Mor
e_Causti
c
<490.02>
b0192 a0199 a1514
000034
(000199)
490.02
Add_More
_Caustic
TIM
291
#5
[OP1]
<TIM291(bit)>
a0203
[OP2]
CNT
004
#2
[OP1]
<CNT004(bit)>
b0195
[OP2]
420.00
CS1
000035
(000203)
TIM291
RSET
490.02
Add_Mor
e_Causti
c
<490.02>
b0192 a0199 a1514
000036
(000205)
422.06
422.08
490.03
CS20
CS21
Add_More
_Sanitizer
TIM
293
#1800
[OP1]
<TIM293(bit)>
a0209
[OP2]
000037
(000209)
TIM293
255.07
LESS_TH
AN
CMP
(20)
DM410
CONDU
CTIVITY
#120
[OP1]
<cDM0410>
c0141 c0148 c0153 c0169
c0196 c1524 c2607
[OP2]
SET
490.03
Add_Mor
e_Sanitiz
er
<490.03>
b0207 a0213 a1505
000038
(000213)
490.03
TIM
[OP1]

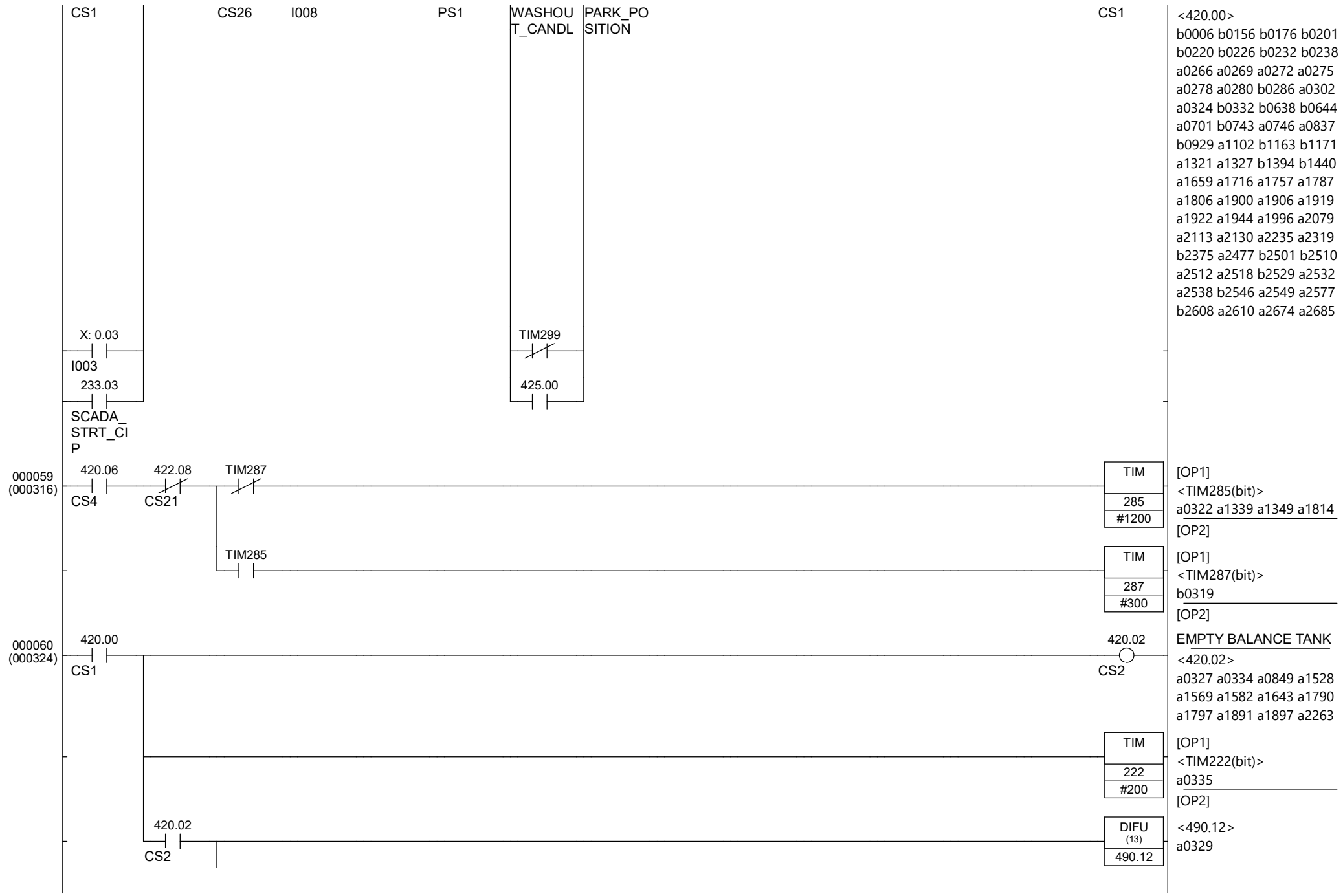
Add_More
_Sanitizer
000039
(000215)
TIM294
RSET
490.03
Add_Mor
e_Sanitiz
er
294
#50
<TIM294(bit)>
a0215
[OP2]
<490.03>
b0207 a0213 a1505
000040
(000217)
253.13
ON
MOV
(21)
481
491
[OP1]
[OP2]
<491.00>
a0221
<491.01>
a0227
<491.02>
a0233
<491.03>
a0239
MOV
(21)
492
482
[OP1]
<492.00>
a0222 a0229 a0236 a0242
b0244 a0377 a0433 a0458
a0500 a0539 a0561
<492.01>
a0223 a0228 a0235 a0241
b0245 a0248 a0330 a0378
a0438 a0460 a0502 a0543
a0563 a1497 a1508 a1517
<492.02>
a0224 a0230 a0234 a0243
b0246 a0549 b0564 a0565
b0571 a0583 a0683 a1491
b1498 a1499
<492.03>
a0225 a0231 a0237 a0240
b0247 a0386 a0402 a0413
a0423 b0431 a0442 a0467
a0684 b2183
[OP2]
000041
(000220)
420.00
CS1
491.00
CIP_MAN
UAL_PB
SET
492.00
CIP_MA
NUAL_S
ELECTE
<492.00>
b0244 a0377 a0433 a0458
a0500 a0539 a0561
<c492>
c0219

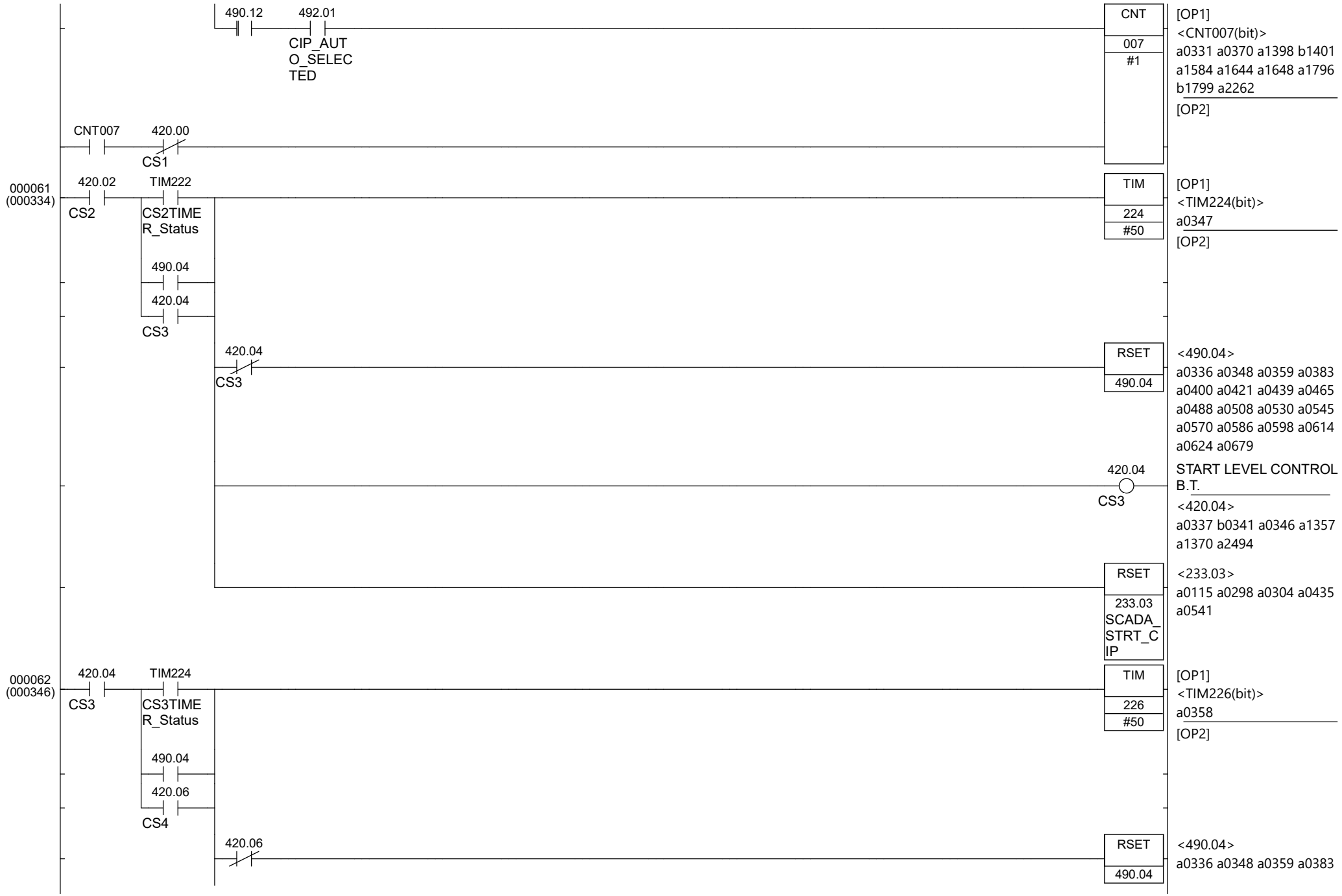
D
RSET
492.01
CIP_AUTO_SELECTED
<492.01>
b0245 a0330 a0378 a0438
a0460 a0502 a0543 a0563
a1497 a1508 a1517
<c492>
c0219
RSET
492.02
CIP_AUTO_MONTHLY_SELECTED
<492.02>
b0246 a0549 b0564 a0565
b0571 a0583 a1491 b1498
a1499
<c492>
c0219
RSET
492.03
CIP_AUTO_SHORT_SELECTED
<492.03>
b0247 a0386 a0402 a0413
a0423 b0431 a0442 a0467
b2183
<c492>
c0219
000042
(000226)
420.00
CS1
491.01
CIP_AUTO_PB
SET
492.01
CIP_AUTO_SELECTED
<492.01>
b0245 a0330 a0378 a0438
a0460 a0502 a0543 a0563
a1497 a1508 a1517
<c492>
c0219
RSET
492.00
CIP_MANUAL_SELECTED
<492.00>
b0244 a0377 a0433 a0458
a0500 a0539 a0561
<c492>
c0219
RSET
492.02
CIP_AUTO_MONTHLY_SELECTED
<492.02>
b0246 a0549 b0564 a0565
b0571 a0583 a1491 b1498
a1499
<c492>
c0219
RSET
492.03
CIP_AUTO_SHORT_SEL
<492.03>
b0247 a0386 a0402 a0413
a0423 b0431 a0442 a0467
b2183

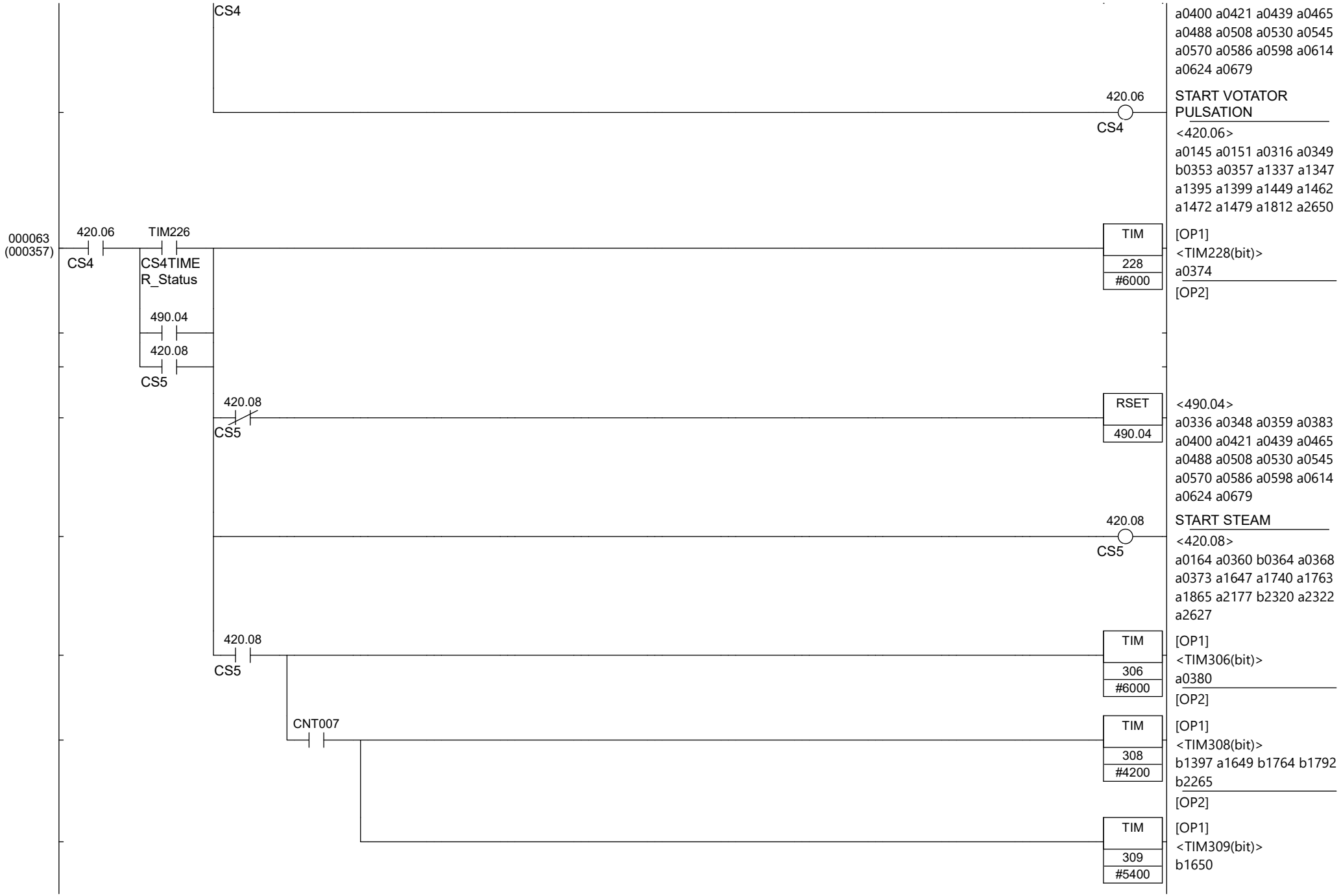
ECTED
<c492>
c0219
000043
(000232)
420.00
CS1
491.02
CIP_AUTO_MONTHLY_PB
SET
492.02
CIP_AUTO_MONTHLY_SELECTED
<492.02>
b0246 a0549 b0564 a0565
b0571 a0583 a1491 b1498
a1499
<c492>
c0219
SET
492.01
CIP_AUTO_SELECTED
<492.01>
b0245 a0330 a0378 a0438
a0460 a0502 a0543 a0563
a1497 a1508 a1517
<c492>
c0219
RSET
492.00
CIP_MANUAL_SELECTED
<492.00>
b0244 a0377 a0433 a0458
a0500 a0539 a0561
<c492>
c0219
RSET
492.03
CIP_AUTO_SHORT_SELECTED
<492.03>
b0247 a0386 a0402 a0413
a0423 b0431 a0442 a0467
b2183
<c492>
c0219
000044
(000238)
420.00
CS1
491.03
CIP_AUTO_SHORT_PB
SET
492.03
CIP_AUTO_SHORT_SELECTED
<492.03>
b0247 a0386 a0402 a0413
a0423 b0431 a0442 a0467
b2183
<c492>
c0219
SET
492.01
CIP_AUTO_SELECTED
<492.01>
b0245 a0330 a0378 a0438
a0460 a0502 a0543 a0563
a1497 a1508 a1517
<c492>
c0219
RSET
492.00
CIP_MANUAL_SELECTE
<492.00>
b0244 a0377 a0433 a0458
a0500 a0539 a0561
<c492>
c0219

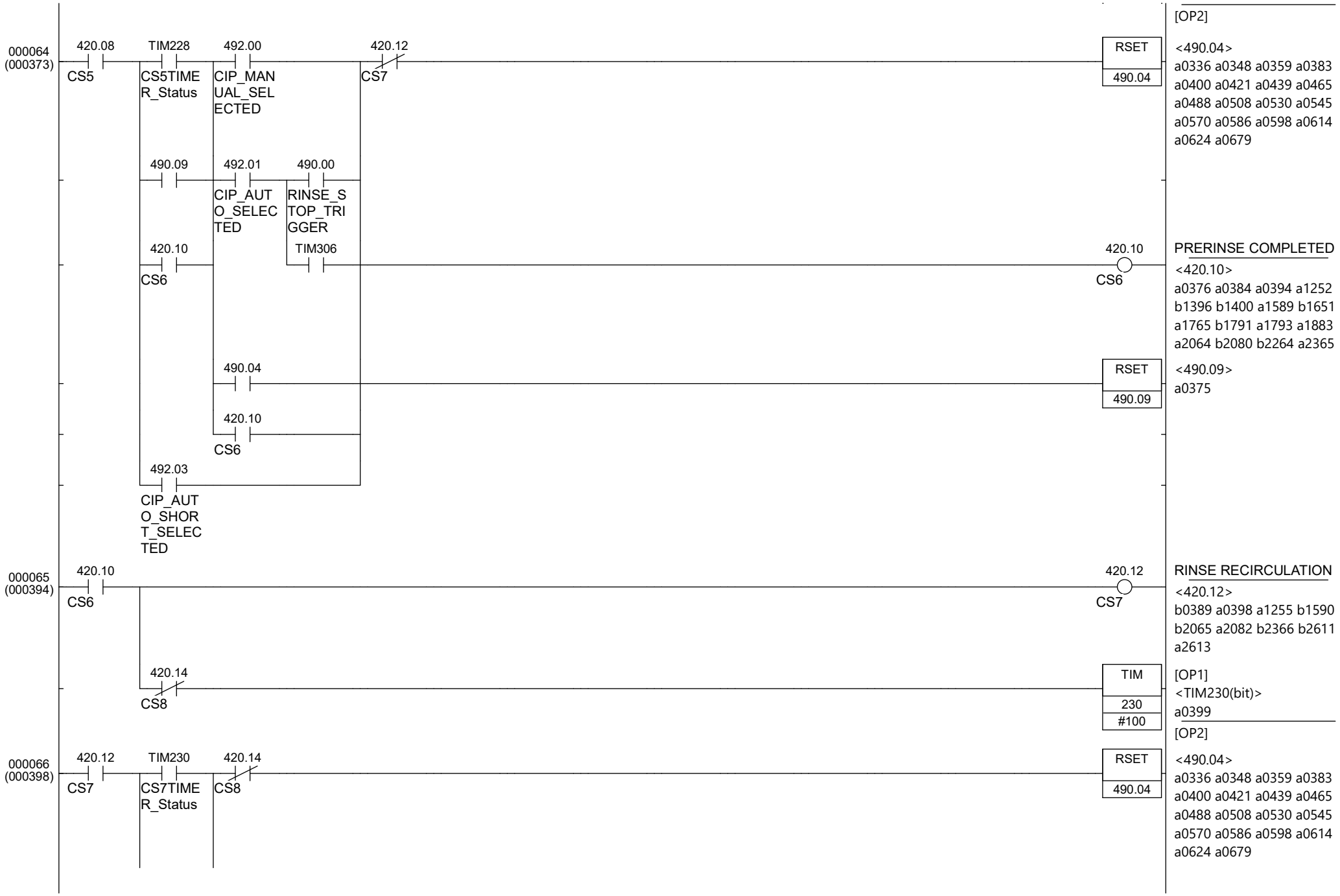

D
RSET
492.02
CIP_AUTO_MONTHLY_SELECTED
<492.02>
b0246 a0549 b0564 a0565
b0571 a0583 a1491 b1498
a1499
<c492>
c0219
000045
(000244)
492.00
CIP_MANUAL_SELECTED
492.01
CIP_AUTO_SELECTED
492.02
CIP_AUTO_MONTHLY_SELECTED
492.03
CIP_AUTO_SHORT_SELECTED
SET
492.01
CIP_AUTO_SELECTED
<492.01>
b0245 a0330 a0378 a0438
a0460 a0502 a0543 a0563
a1497 a1508 a1517
<c492>
c0219
000046
(000249)
X: 0.03
I003
TIM
297
#20
[OP1]
<TIM297(bit)>
a0252
[OP2]
TIM297
DIFU
(13)
490.05
<490.05>
a0255
490.05
SET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
000047
(000257)
X: 0.03
I003
TIM
302
#60
[OP1]
<TIM302(bit)>
a0260 a0263
[OP2]
TIM302
DIFU
(13)
490.08
TIM302
SET
490.09
<490.09>
a0375
000048
(000265)
X: 1.09
WASHOUT_CANDL
420.00
CS1
SET
234.00
000049
(000268)
X: 1.10
PARK_POSITION
420.00
CS1
SET
234.01

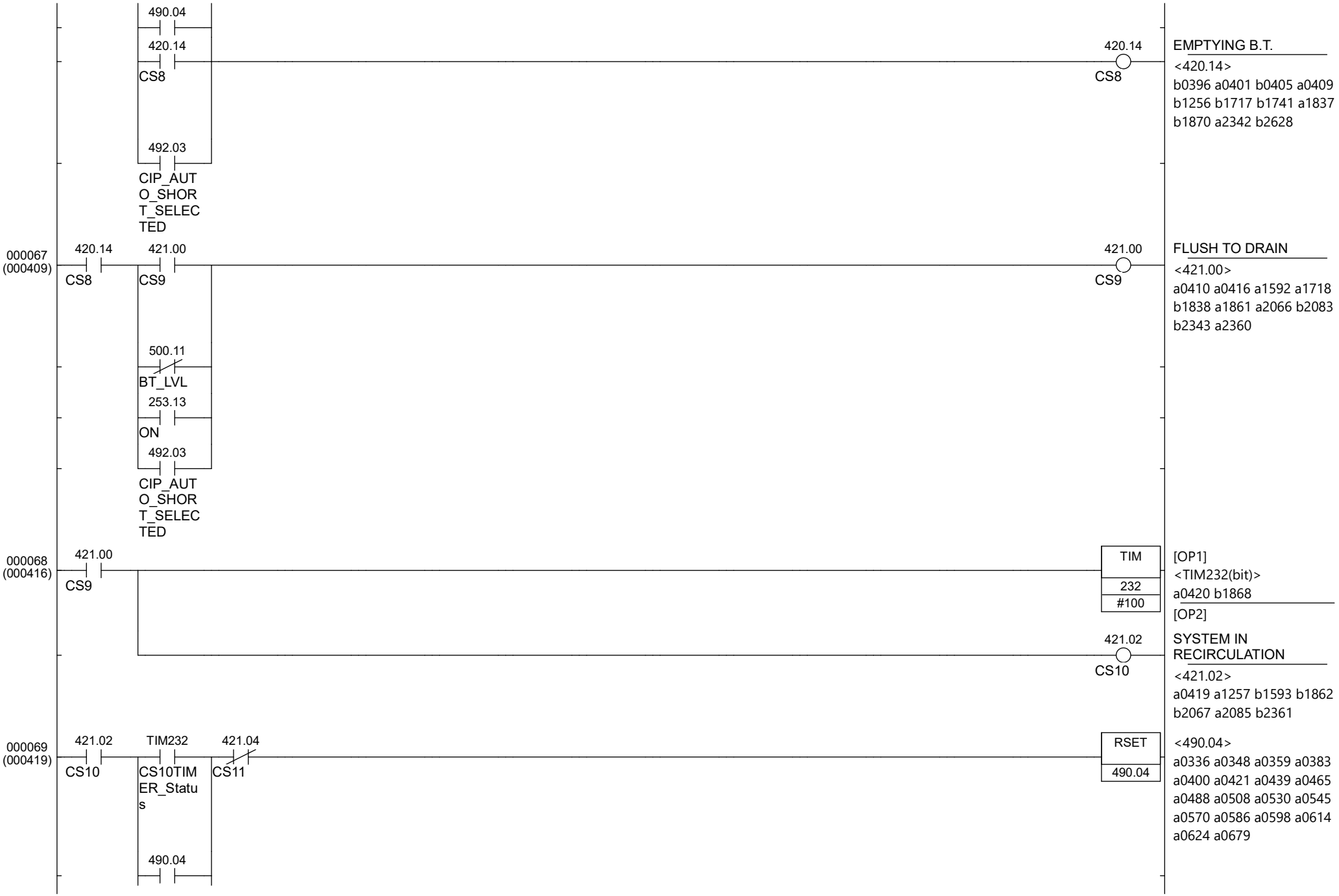

000050
(000271)
X: 0.08
I008
420.00
CS1
SET
234.02
000051
(000274)
233.08
420.00
CS1
SET
234.03
000052
(000277)
400.00
PS1
420.00
CS1
SET
234.04
000053
(000280)
420.00
CS1
X: 1.09
WASHOU
T_CANDL
TIM
299
#200
[OP1]
<TIM299(bit)>
b0311
[OP2]
X: 1.09
WASHOU
T_CANDL
KEEP
(11)
425.00
<425.00>
a0312
420.00
CS1
000054
(000288)
X: 1.10
PARK_PO
SITION
KEEP
(11)
494.00
<494.00>
a0291
X: 1.10
PARK_PO
SITION
000055
(000291)
494.00
254.00
P_1min
CNT
301
#105
[OP1]
<CNT301(bit)>
a0295
[OP2]
X: 1.10
PARK_PO
SITION
000056
(000295)
CNT301
494.01
CIP TOO LONG BIT TO
SCADA
000057
(000297)
X: 0.03
I003
506.07
KEEP
(11)
506.08
233.03
SCADA_
STRT_CI
P
506.07
000058
(000302)
420.00
506.07
423.02
X: 0.08
233.08
400.00
X: 1.09
X: 1.10
420.00
CIP STARTED

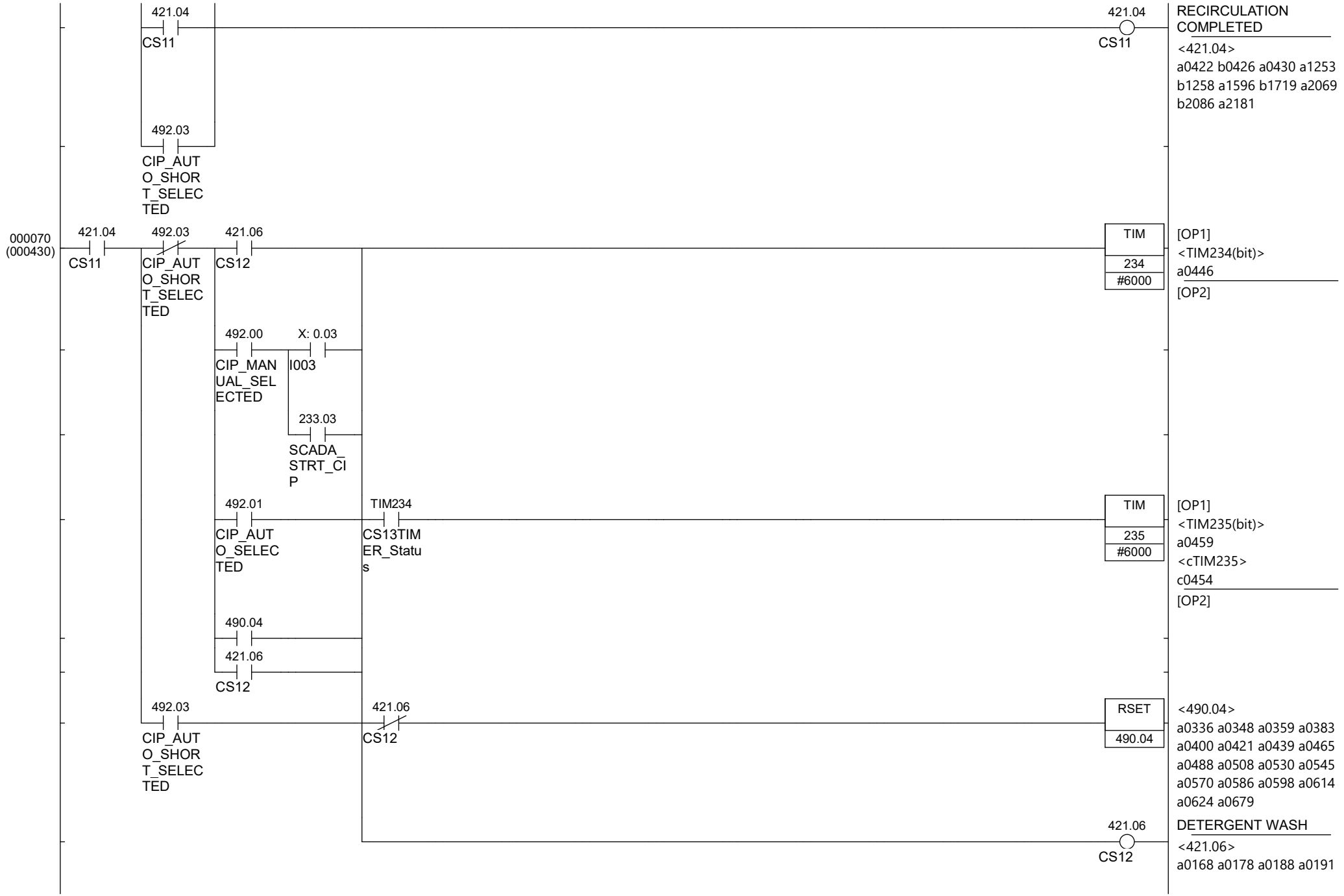

CS1
CS26
I008
PS1
WASHOUT_CANDL
PARK_POSITION
CS1
<420.00>
b0006 b0156 b0176 b0201
b0220 b0226 b0232 b0238
a0266 a0269 a0272 a0275
a0278 a0280 b0286 a0302
a0324 b0332 b0638 b0644
a0701 b0743 a0746 a0837
b0929 a1102 b1163 b1171
a1321 a1327 b1394 b1440
a1659 a1716 a1757 a1787
a1806 a1900 a1906 a1919
a1922 a1944 a1996 a2079
a2113 a2130 a2235 a2319
b2375 a2477 b2501 b2510
a2512 a2518 b2529 a2532
a2538 b2546 a2549 a2577
b2608 a2610 a2674 a2685
X: 0.03
I003
233.03
SCADA_STRT_CIP
TIM299
425.00
000059
(000316)
420.06
CS4
422.08
CS21
TIM287
TIM
285
#1200
[OP1]
<TIM285(bit)>
a0322 a1339 a1349 a1814
[OP2]
TIM285
TIM
287
#300
[OP1]
<TIM287(bit)>
b0319
[OP2]
000060
(000324)
420.00
CS1
420.02
CS2
EMPTY BALANCE TANK
<420.02>
a0327 a0334 a0849 a1528
a1569 a1582 a1643 a1790
a1797 a1891 a1897 a2263
TIM
222
#200
[OP1]
<TIM222(bit)>
a0335
[OP2]
420.02
CS2
DIFU
(13)
490.12
<490.12>
a0329

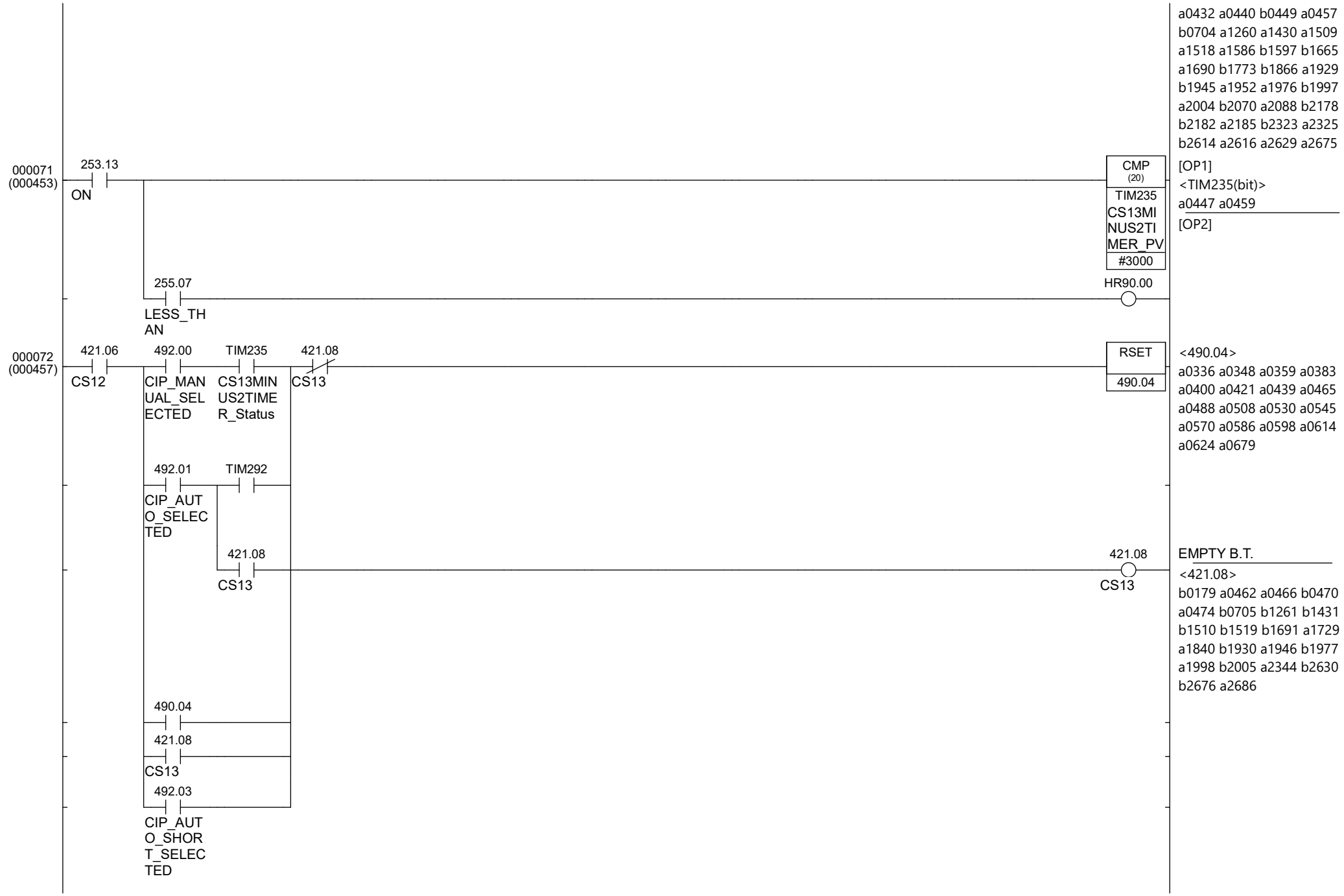

490.12
492.01
CIP_AUTO_SELECTED
CNT
007
#1
[OP1]
<CNT007(bit)>
a0331 a0370 a1398 b1401
a1584 a1644 a1648 a1796
b1799 a2262
[OP2]
CNT007
420.00
CS1
000061
(000334)
420.02
CS2
TIM222
CS2TIMER_Status
490.04
420.04
CS3
TIM
224
#50
[OP1]
<TIM224(bit)>
a0347
[OP2]
420.04
CS3
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
420.04
CS3
START LEVEL CONTROL B.T.
<420.04>
a0337 b0341 a0346 a1357
a1370 a2494
RSET
233.03
SCADA_STRT_CIP
<233.03>
a0115 a0298 a0304 a0435
a0541
000062
(000346)
420.04
CS3
TIM224
CS3TIMER_Status
490.04
420.06
CS4
TIM
226
#50
[OP1]
<TIM226(bit)>
a0358
[OP2]
420.06
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383

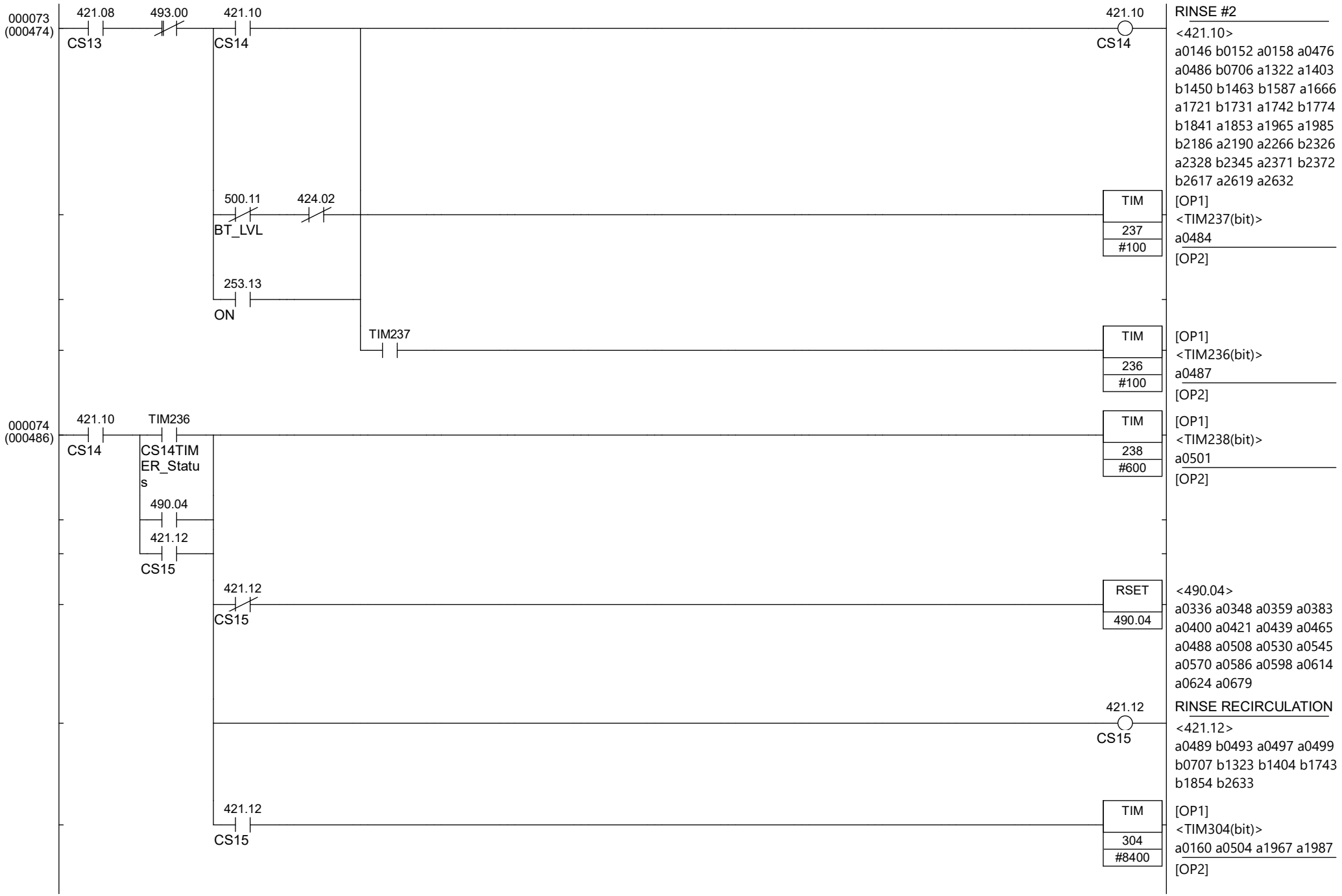

CS4
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
420.06
CS4
START VOTATOR
PULSATION
<420.06>
a0145 a0151 a0316 a0349
b0353 a0357 a1337 a1347
a1395 a1399 a1449 a1462
a1472 a1479 a1812 a2650
000063
(000357)
420.06
CS4
TIM226
CS4TIME
R_Status
TIM
228
#6000
[OP1]
<TIM228(bit)>
a0374
[OP2]
490.04
420.08
CS5
420.08
CS5
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
420.08
CS5
START STEAM
<420.08>
a0164 a0360 b0364 a0368
a0373 a1647 a1740 a1763
a1865 a2177 b2320 a2322
a2627
420.08
CS5
TIM
306
#6000
[OP1]
<TIM306(bit)>
a0380
[OP2]
CNT007
TIM
308
#4200
[OP1]
<TIM308(bit)>
b1397 a1649 b1764 b1792
b2265
[OP2]
TIM
309
#5400
[OP1]
<TIM309(bit)>
b1650

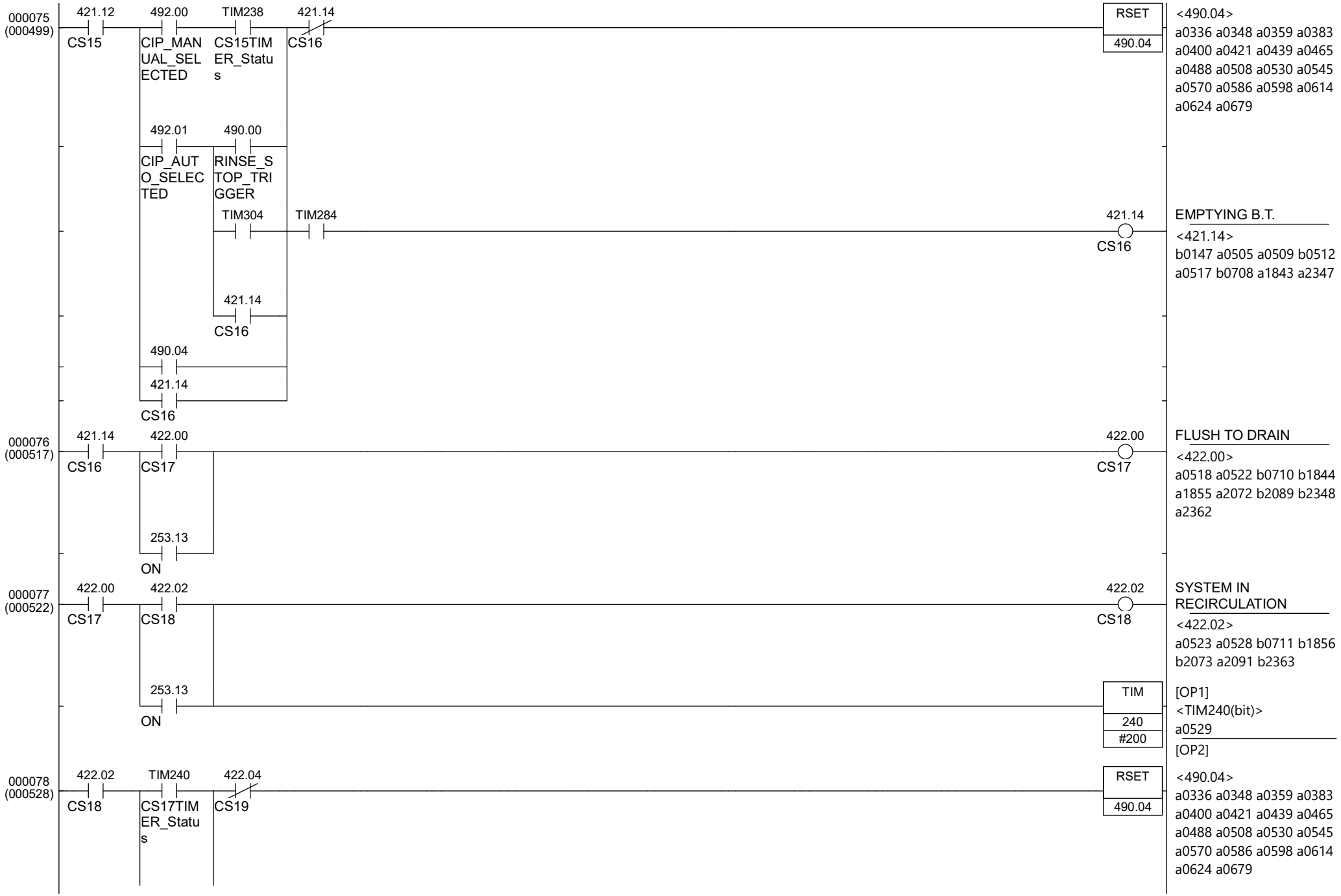

000064
(000373)
420.08
CS5
TIM228
CS5TIME
R_Status
492.00
CIP_MAN
UAL_SEL
ECTED
420.12
CS7
RSET
490.04
[OP2]
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
490.09
492.01
CIP_AUT
O_SELEC
TED
490.00
RINSE_S
TOP_TRI
GGER
420.10
CS6
TIM306
420.10
CS6
PRERINSE COMPLETED
<420.10>
a0376 a0384 a0394 a1252
b1396 b1400 a1589 b1651
a1765 b1791 a1793 a1883
a2064 b2080 b2264 a2365
490.04
420.10
CS6
RSET
490.09
<490.09>
a0375
492.03
CIP_AUT
O_SHOR
T_SELEC
TED
000065
(000394)
420.10
CS6
420.12
CS7
RINSE RECIRCULATION
<420.12>
b0389 a0398 a1255 b1590
b2065 a2082 b2366 b2611
a2613
420.14
CS8
TIM
230
#100
[OP1]
<TIM230(bit)>
a0399
[OP2]
000066
(000398)
420.12
CS7
TIM230
CS7TIME
R_Status
420.14
CS8
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679

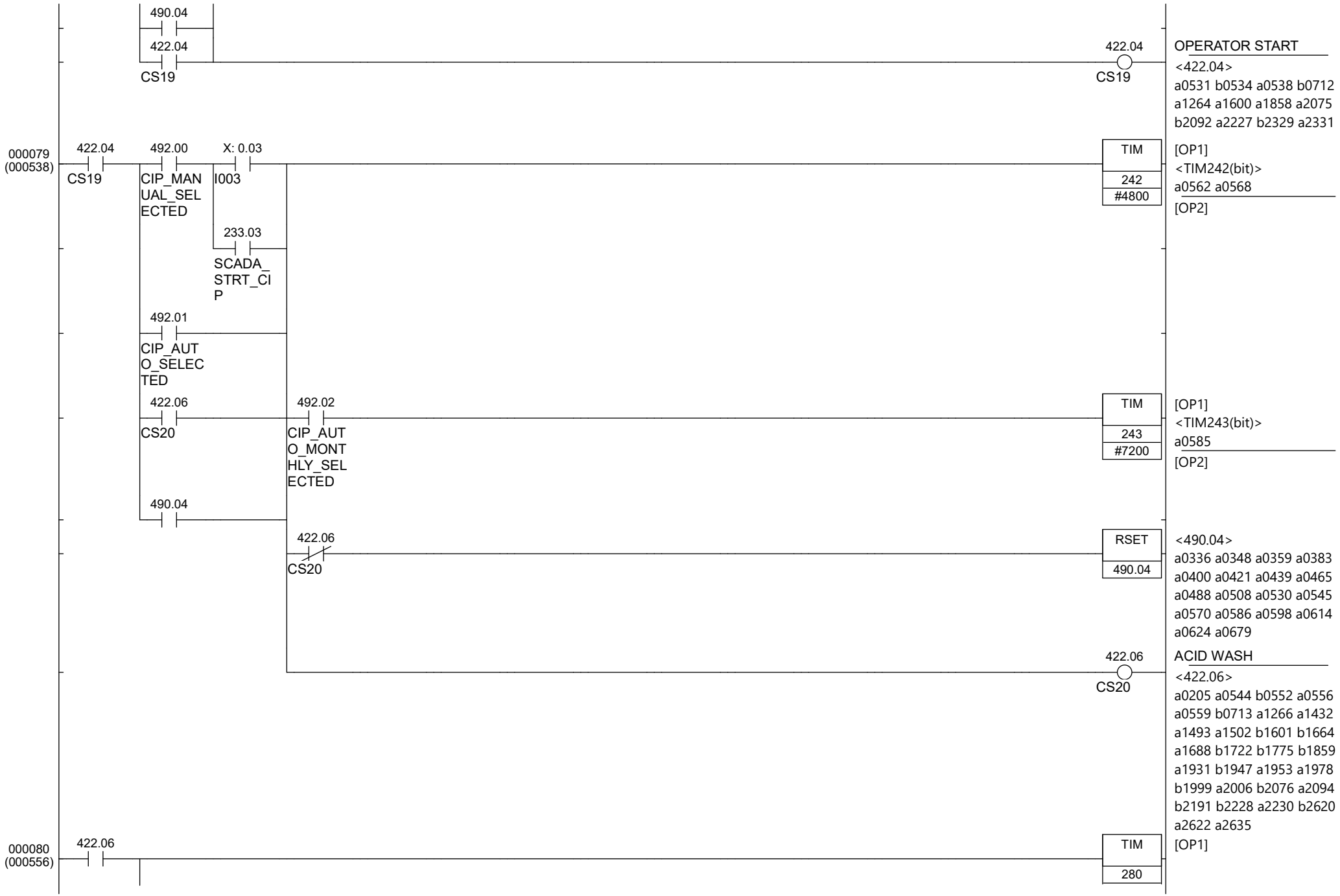

490.04
420.14
CS8
492.03
CIP_AUTO_SHORT_SELECTED
420.14
CS8
EMPTYING B.T.
<420.14>
b0396 a0401 b0405 a0409
b1256 b1717 b1741 a1837
b1870 a2342 b2628
000067
(000409)
420.14
CS8
421.00
CS9
500.11
BT_LVL
253.13
ON
492.03
CIP_AUTO_SHORT_SELECTED
421.00
CS9
FLUSH TO DRAIN
<421.00>
a0410 a0416 a1592 a1718
b1838 a1861 a2066 b2083
b2343 a2360
000068
(000416)
421.00
CS9
TIM
232
#100
[OP1]
<TIM232(bit)>
a0420 b1868
[OP2]
421.02
CS10
SYSTEM IN RECIRCULATION
<421.02>
a0419 a1257 b1593 b1862
b2067 a2085 b2361
000069
(000419)
421.02
CS10
TIM232
CS10TIMER_Status
421.04
CS11
490.04
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679

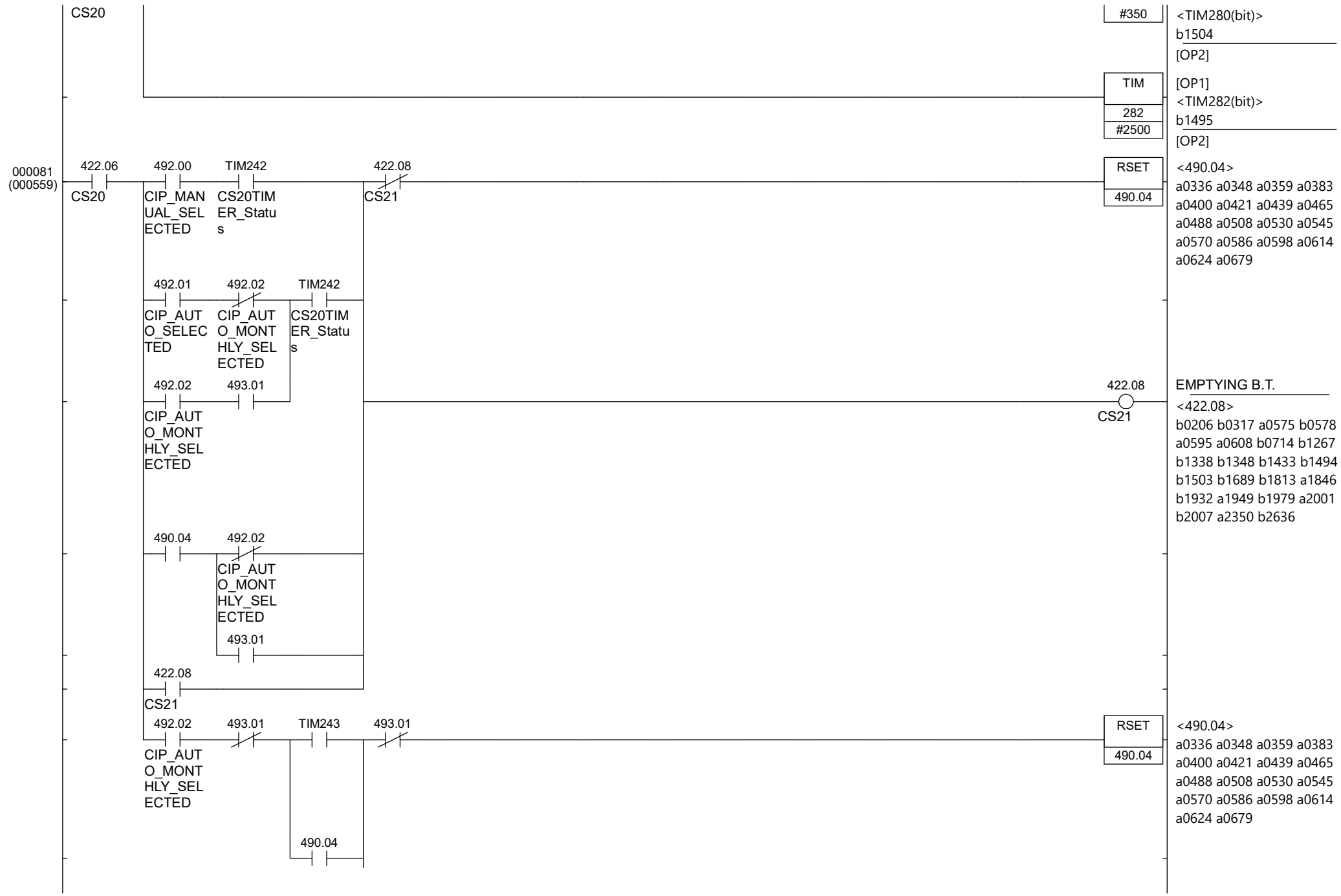

421.04
CS11
421.04
CS11
RECIRCULATION COMPLETED
<421.04>
a0422 b0426 a0430 a1253 b1258 a1596 b1719 a2069 b2086 a2181
492.03
CIP_AUTO_SHORT_SELECTED
000070
(000430)
421.04
CS11
492.03
CIP_AUTO_SHORT_SELECTED
421.06
CS12
TIM
234
#6000
[OP1]
<TIM234(bit)>
a0446
[OP2]
492.00
CIP_MANUAL_SELECTED
X: 0.03
I003
233.03
SCADA_STRT_CIP
492.01
CIP_AUTO_SELECTED
TIM234
CS13TIMER_Status
TIM
235
#6000
[OP1]
<TIM235(bit)>
a0459
<cTIM235>
c0454
[OP2]
490.04
421.06
CS12
492.03
CIP_AUTO_SHORT_SELECTED
421.06
CS12
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383 a0400 a0421 a0439 a0465 a0488 a0508 a0530 a0545 a0570 a0586 a0598 a0614 a0624 a0679
421.06
CS12
DETERGENT WASH
<421.06>
a0168 a0178 a0188 a0191

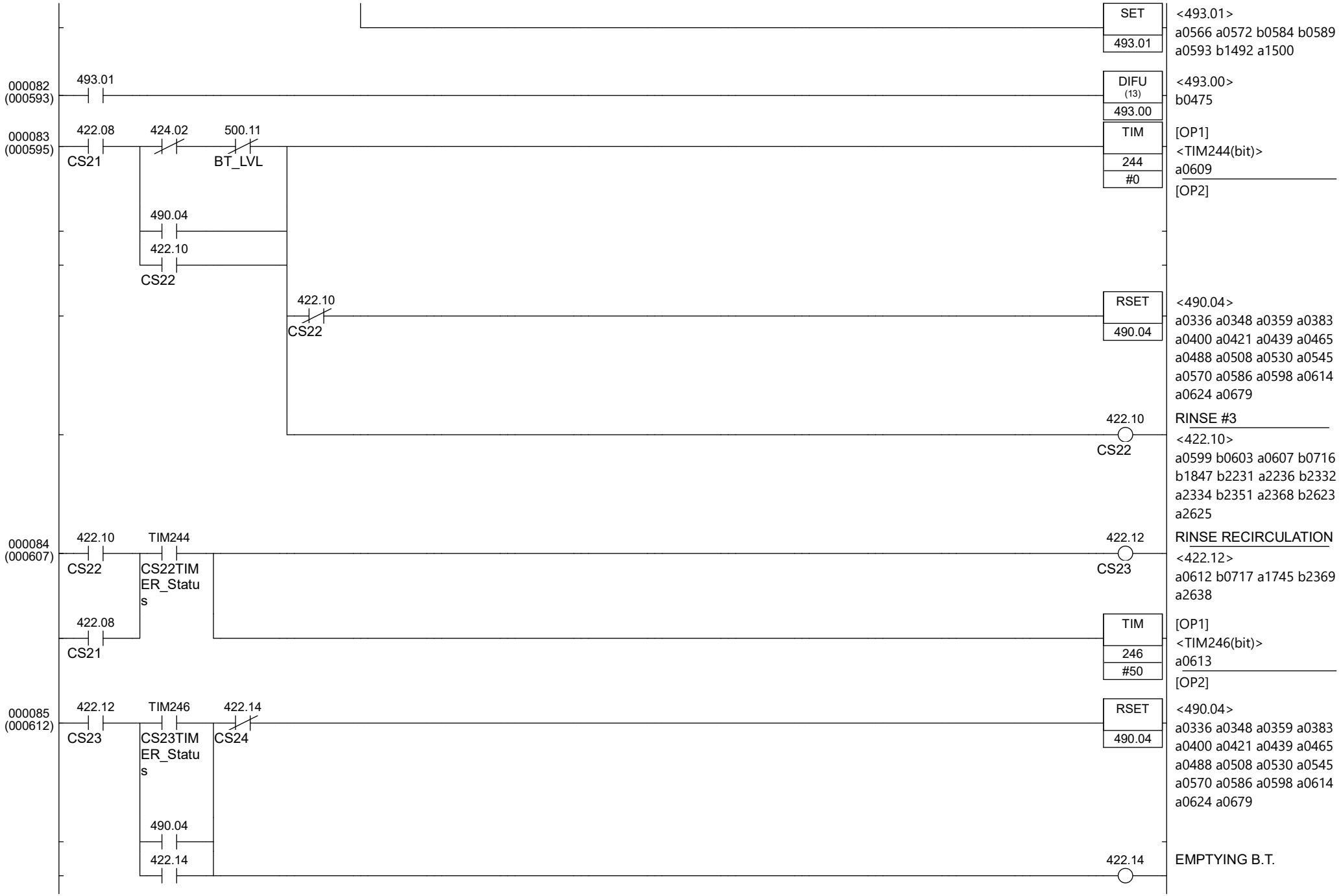

000071
(000453)
253.13
ON
CMP
(20)
TIM235
CS13MI
NUS2TI
MER_PV
#3000
[OP1]
<TIM235(bit)>
a0447 a0459
[OP2]
255.07
LESS_TH
AN
HR90.00
000072
(000457)
421.06
CS12
492.00
CIP_MAN
UAL_SEL
ECTED
TIM235
CS13MIN
US2TIME
R_Status
421.08
CS13
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
492.01
CIP_AUT
O_SELEC
TED
TIM292
421.08
CS13
421.08
CS13
EMPTY B.T.
<421.08>
b0179 a0462 a0466 b0470
a0474 b0705 b1261 b1431
b1510 b1519 b1691 a1729
a1840 b1930 a1946 b1977
a1998 b2005 a2344 b2630
b2676 a2686
490.04
421.08
CS13
492.03
CIP_AUT
O_SHOR
T_SELEC
TED
a0432 a0440 b0449 a0457
b0704 a1260 a1430 a1509
a1518 a1586 b1597 b1665
a1690 b1773 b1866 a1929
b1945 a1952 a1976 b1997
a2004 b2070 a2088 b2178
b2182 a2185 b2323 a2325
b2614 a2616 a2629 a2675

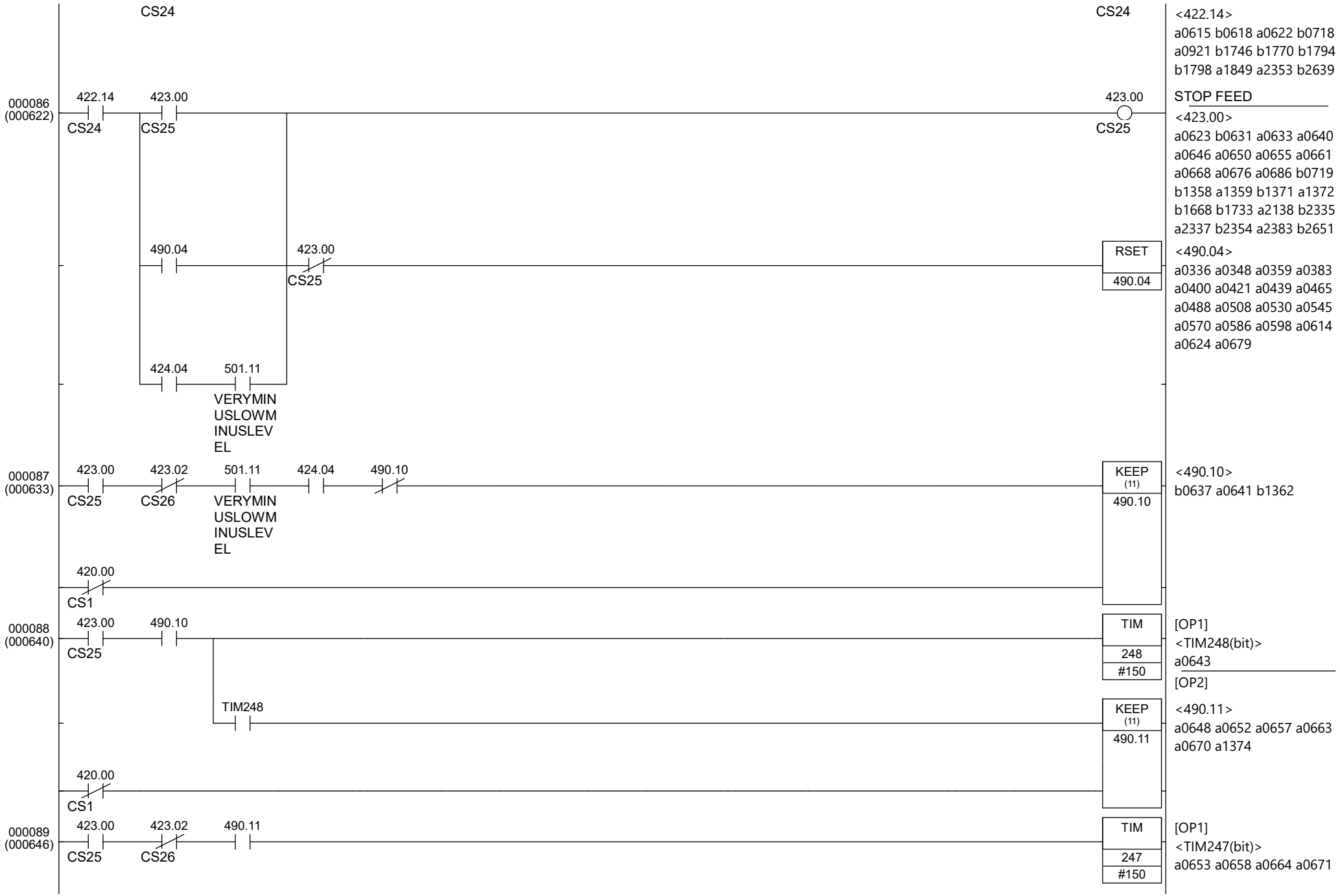

000073
(000474)
421.08
CS13
493.00
421.10
CS14
421.10
CS14
RINSE #2
<421.10>
a0146 b0152 a0158 a0476
a0486 b0706 a1322 a1403
b1450 b1463 b1587 a1666
a1721 b1731 a1742 b1774
b1841 a1853 a1965 a1985
b2186 a2190 a2266 b2326
a2328 b2345 a2371 b2372
b2617 a2619 a2632
500.11
BT_LVL
424.02
TIM
237
#100
[OP1]
<TIM237(bit)>
a0484
[OP2]
253.13
ON
TIM237
TIM
236
#100
[OP1]
<TIM236(bit)>
a0487
[OP2]
000074
(000486)
421.10
CS14
TIM236
CS14TIMER_Status
490.04
421.12
CS15
TIM
238
#600
[OP1]
<TIM238(bit)>
a0501
[OP2]
421.12
CS15
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
421.12
CS15
RINSE RECIRCULATION
<421.12>
a0489 b0493 a0497 a0499
b0707 b1323 b1404 b1743
b1854 b2633
421.12
CS15
TIM
304
#8400
[OP1]
<TIM304(bit)>
a0160 a0504 a1967 a1987
[OP2]

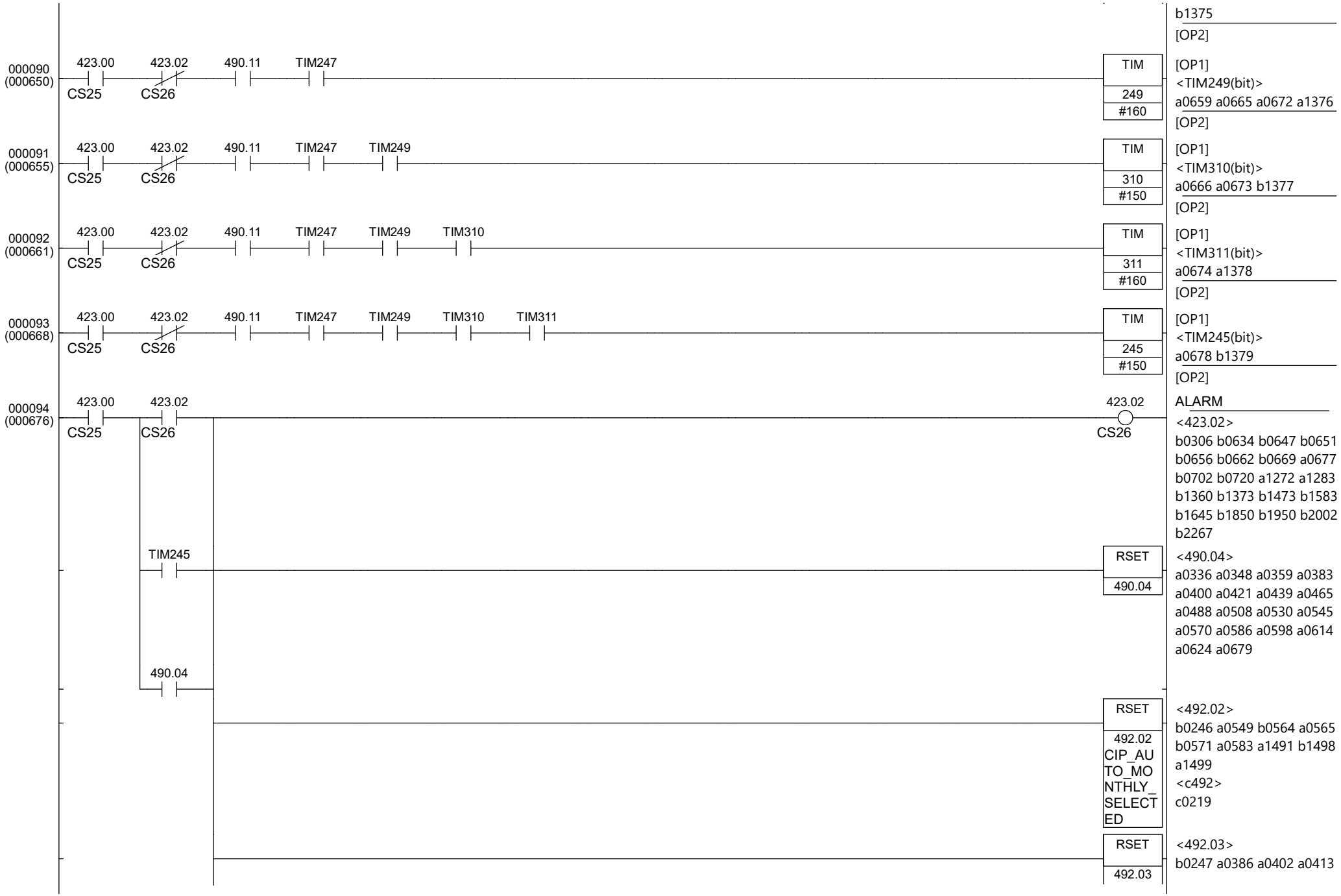

000075
(000499)
421.12
CS15
492.00
CIP_MANUAL_SELECTED
TIM238
CS15TIMER_Status
421.14
CS16
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
492.01
CIP_AUTO_SELECTED
490.00
RINSE_STOP_TRIGGER
TIM304
TIM284
421.14
CS16
EMPTYING B.T.
<421.14>
b0147 a0505 a0509 b0512
a0517 b0708 a1843 a2347
421.14
CS16
490.04
421.14
CS16
000076
(000517)
421.14
CS16
422.00
CS17
422.00
CS17
FLUSH TO DRAIN
<422.00>
a0518 a0522 b0710 b1844
a1855 a2072 b2089 b2348
a2362
253.13
ON
000077
(000522)
422.00
CS17
422.02
CS18
422.02
CS18
SYSTEM IN
RECIRCULATION
<422.02>
a0523 a0528 b0711 b1856
b2073 a2091 b2363
253.13
ON
TIM
240
#200
[OP1]
<TIM240(bit)>
a0529
[OP2]
000078
(000528)
422.02
CS18
TIM240
CS17TIMER_Status
422.04
CS19
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679

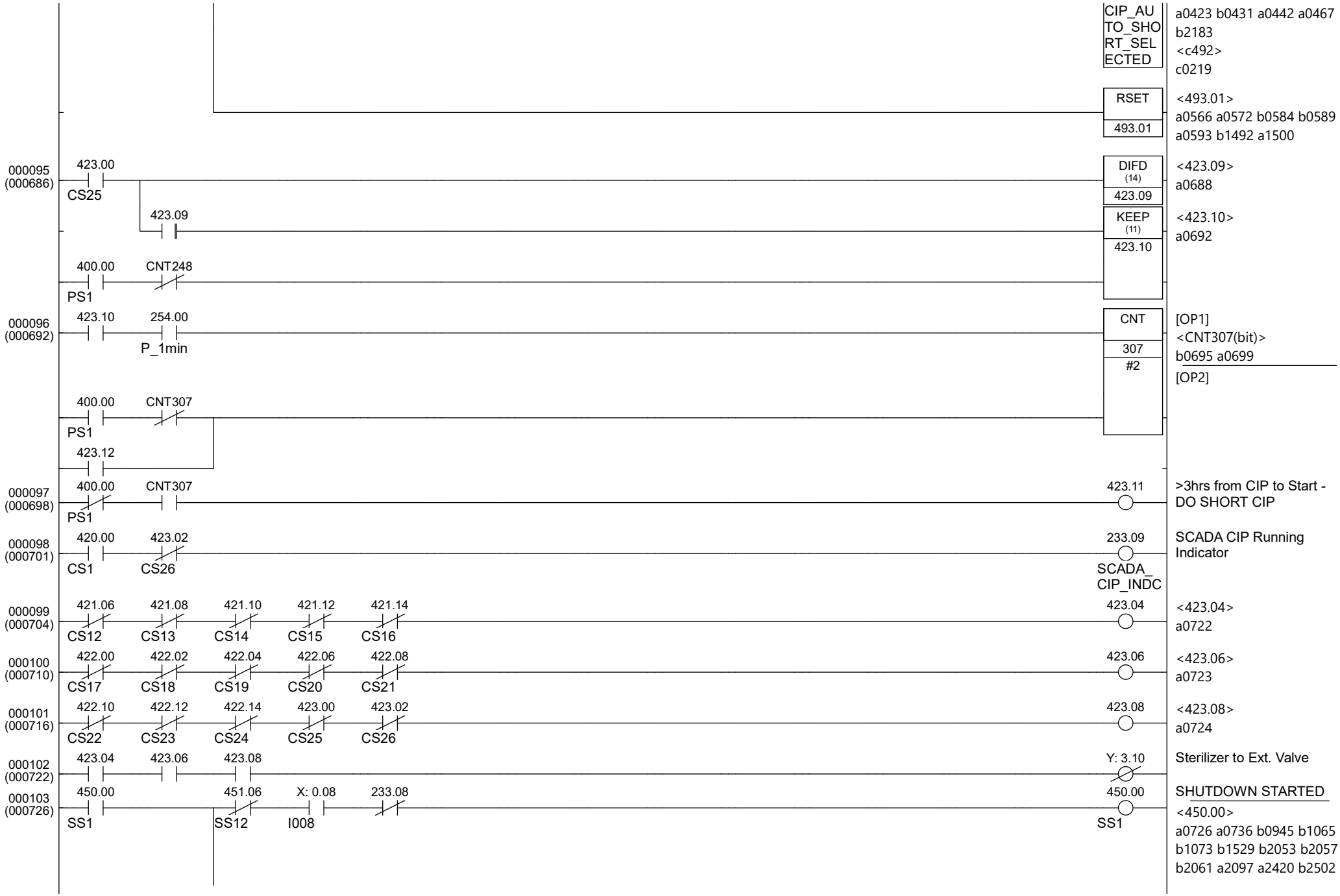

490.04
422.04
CS19
422.04
CS19
OPERATOR START
<422.04>
a0531 b0534 a0538 b0712
a1264 a1600 a1858 a2075
b2092 a2227 b2329 a2331
000079
(000538)
422.04
CS19
492.00
CIP_MAN
UAL_SEL
ECTED
X: 0.03
I003
233.03
SCADA_
STRT_CI
P
492.01
CIP_AUT
O_SELEC
TED
TIM
242
#4800
[OP1]
<TIM242(bit)>
a0562 a0568
[OP2]
422.06
CS20
492.02
CIP_AUT
O_MONT
HLY_SEL
ECTED
TIM
243
#7200
[OP1]
<TIM243(bit)>
a0585
[OP2]
490.04
422.06
CS20
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
422.06
CS20
ACID WASH
<422.06>
a0205 a0544 b0552 a0556
a0559 b0713 a1266 a1432
a1493 a1502 b1601 b1664
a1688 b1722 b1775 b1859
a1931 b1947 a1953 a1978
b1999 a2006 b2076 a2094
b2191 b2228 a2230 b2620
a2622 a2635
000080
(000556)
422.06
TIM
280
[OP1]

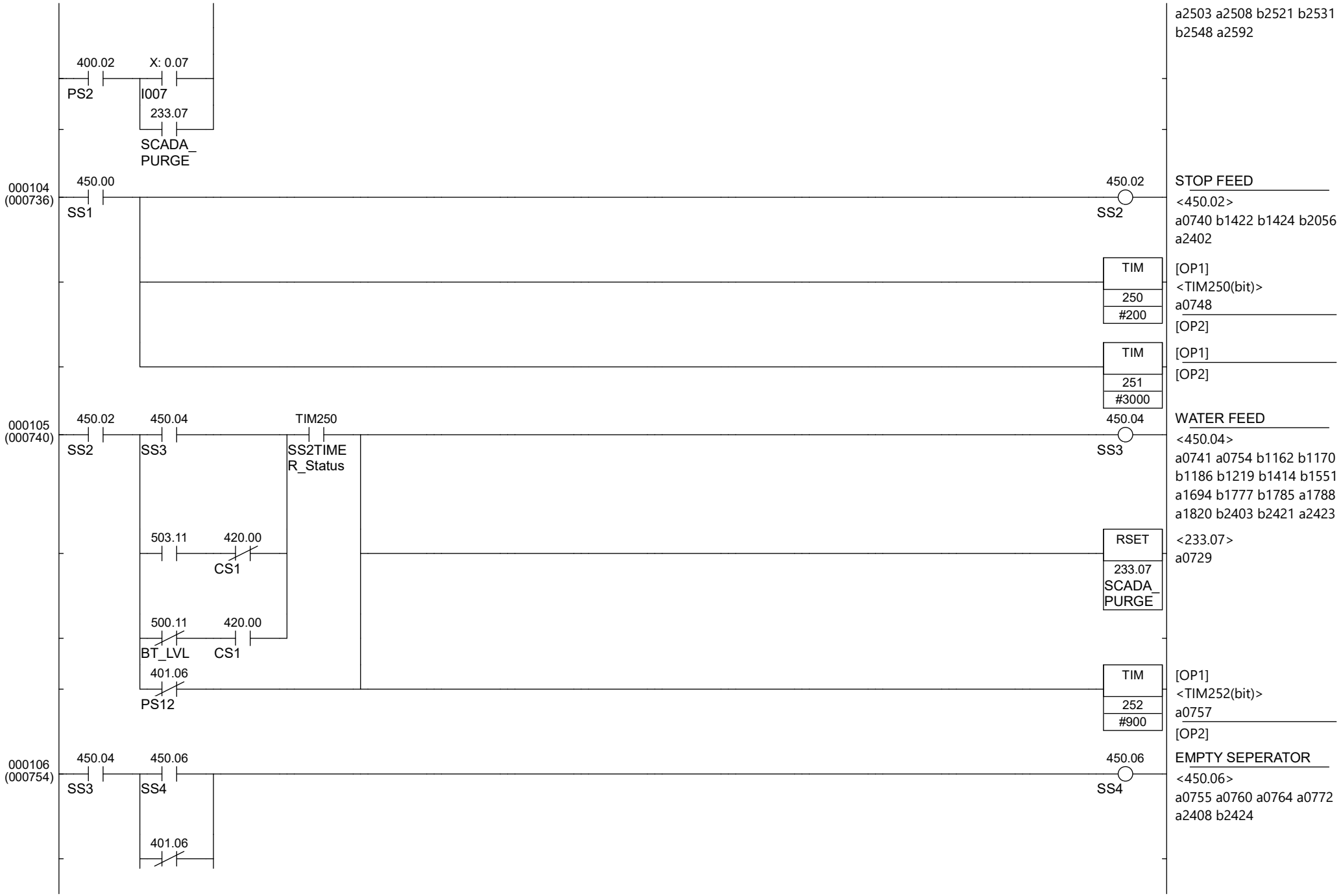

CS20
#350
<TIM280(bit>
b1504
[OP2]
TIM
282
#2500
[OP1]
<TIM282(bit)>
b1495
[OP2]
000081
(000559)
422.06
CS20
492.00
CIP_MANUAL_SELECTED
TIM242
CS20TIMER_Status
422.08
CS21
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383 a0400 a0421 a0439 a0465 a0488 a0508 a0530 a0545 a0570 a0586 a0598 a0614 a0624 a0679
492.01
CIP_AUTO_SELECTED
492.02
CIP_AUTO_MONTHLY_SELECTED
TIM242
CS20TIMER_Status
492.02
CIP_AUTO_MONTHLY_SELECTED
493.01
422.08
CS21
EMPTYING B.T.
<422.08>
b0206 b0317 a0575 b0578 a0595 a0608 b0714 b1267 b1338 b1348 b1433 b1494 b1503 b1689 b1813 a1846 b1932 a1949 b1979 a2001 b2007 a2350 b2636
490.04
492.02
CIP_AUTO_MONTHLY_SELECTED
493.01
422.08
CS21
492.02
CIP_AUTO_MONTHLY_SELECTED
493.01
TIM243
493.01
490.04
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383 a0400 a0421 a0439 a0465 a0488 a0508 a0530 a0545 a0570 a0586 a0598 a0614 a0624 a0679

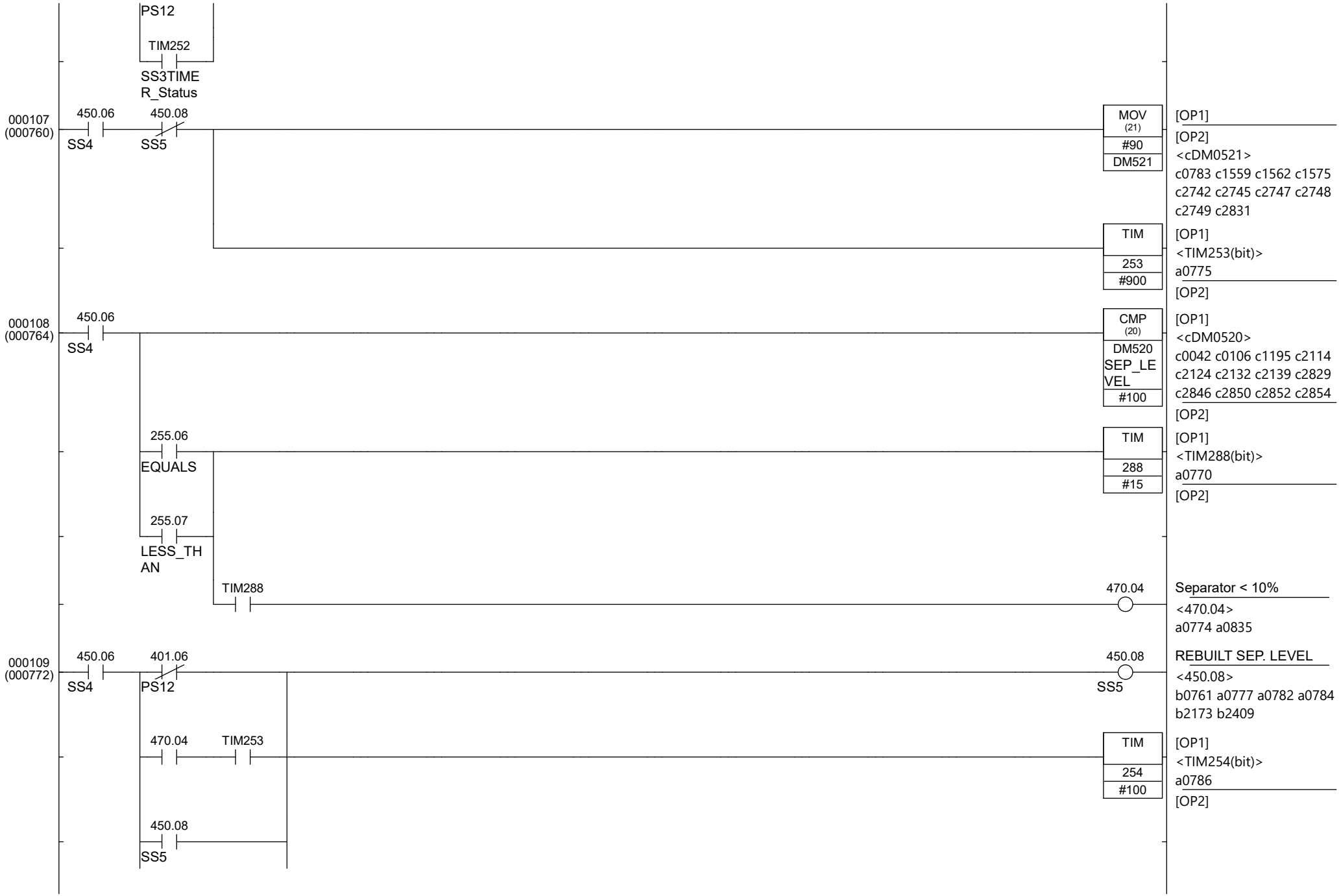

SET
493.01
<493.01>
a0566 a0572 b0584 b0589
a0593 b1492 a1500
000082
(000593)
493.01
DIFU
(13)
493.00
<493.00>
b0475
000083
(000595)
422.08
CS21
424.02
500.11
BT_LVL
TIM
244
#0
[OP1]
<TIM244(bit)>
a0609
[OP2]
490.04
422.10
CS22
422.10
CS22
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
422.10
CS22
RINSE #3
<422.10>
a0599 b0603 a0607 b0716
b1847 b2231 a2236 b2332
a2334 b2351 a2368 b2623
a2625
000084
(000607)
422.10
CS22
TIM244
CS22TIM
ER_Statu
s
422.12
CS23
RINSE RECIRCULATION
<422.12>
a0612 b0717 a1745 b2369
a2638
422.08
CS21
TIM
246
#50
[OP1]
<TIM246(bit)>
a0613
[OP2]
000085
(000612)
422.12
CS23
TIM246
CS23TIM
ER_Statu
s
422.14
CS24
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
490.04
422.14
422.14
EMPTYING B.T.

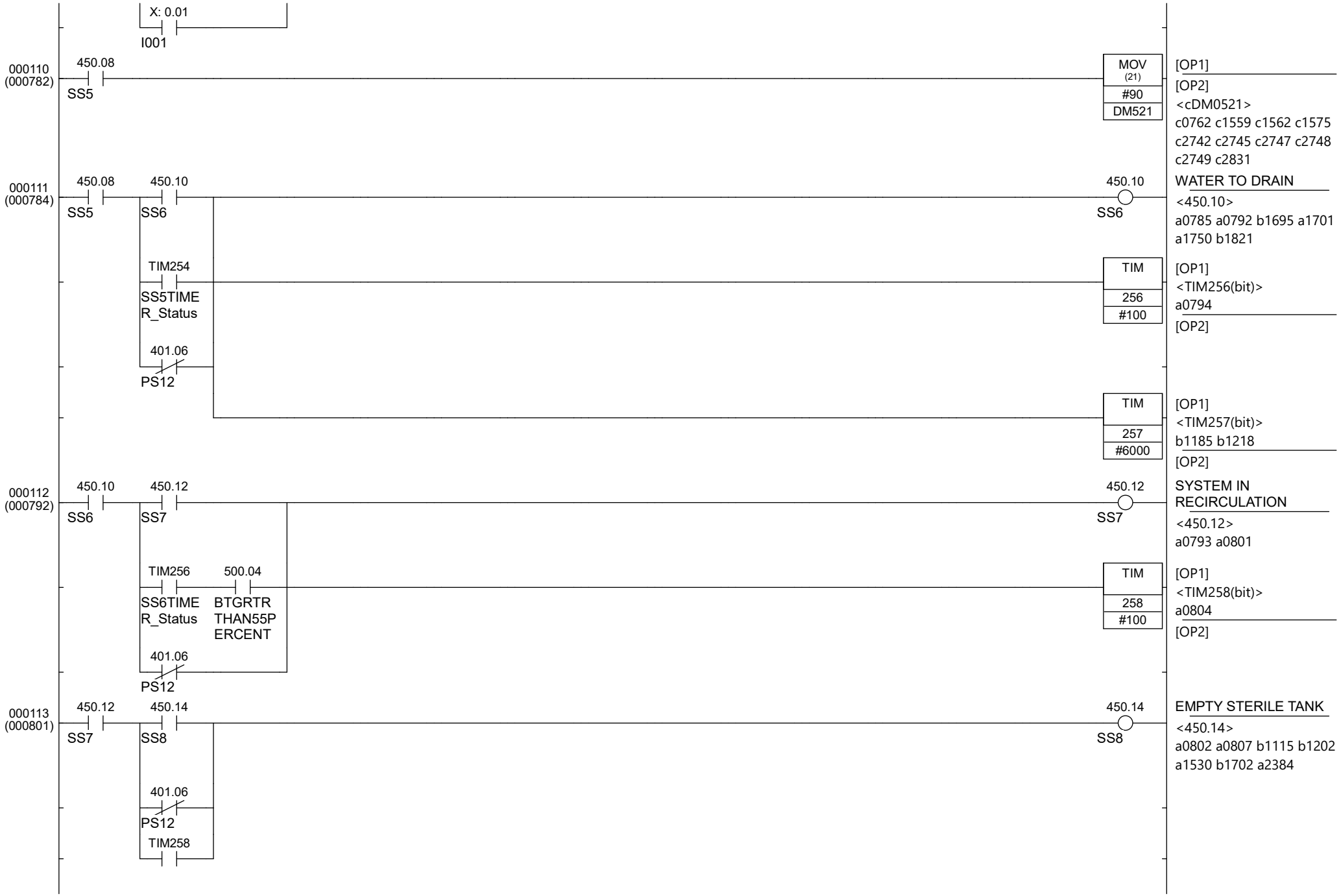

CS24
CS24
<422.14>
a0615 b0618 a0622 b0718
a0921 b1746 b1770 b1794
b1798 a1849 a2353 b2639
000086
(000622)
422.14
CS24
423.00
CS25
423.00
CS25
STOP FEED
<423.00>
a0623 b0631 a0633 a0640
a0646 a0650 a0655 a0661
a0668 a0676 a0686 b0719
b1358 a1359 b1371 a1372
b1668 b1733 a2138 b2335
a2337 b2354 a2383 b2651
490.04
423.00
CS25
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
424.04
501.11
VERYMIN
USLOWM
INUSLEV
EL
000087
(000633)
423.00
CS25
423.02
CS26
501.11
VERYMIN
USLOWM
INUSLEV
EL
424.04
490.10
KEEP
(11)
490.10
<490.10>
b0637 a0641 b1362
420.00
CS1
000088
(000640)
423.00
CS25
490.10
TIM
248
#150
[OP1]
<TIM248(bit)>
a0643
[OP2]
TIM248
KEEP
(11)
490.11
<490.11>
a0648 a0652 a0657 a0663
a0670 a1374
420.00
CS1
000089
(000646)
423.00
CS25
423.02
CS26
490.11
TIM
247
#150
[OP1]
<TIM247(bit)>
a0653 a0658 a0664 a0671

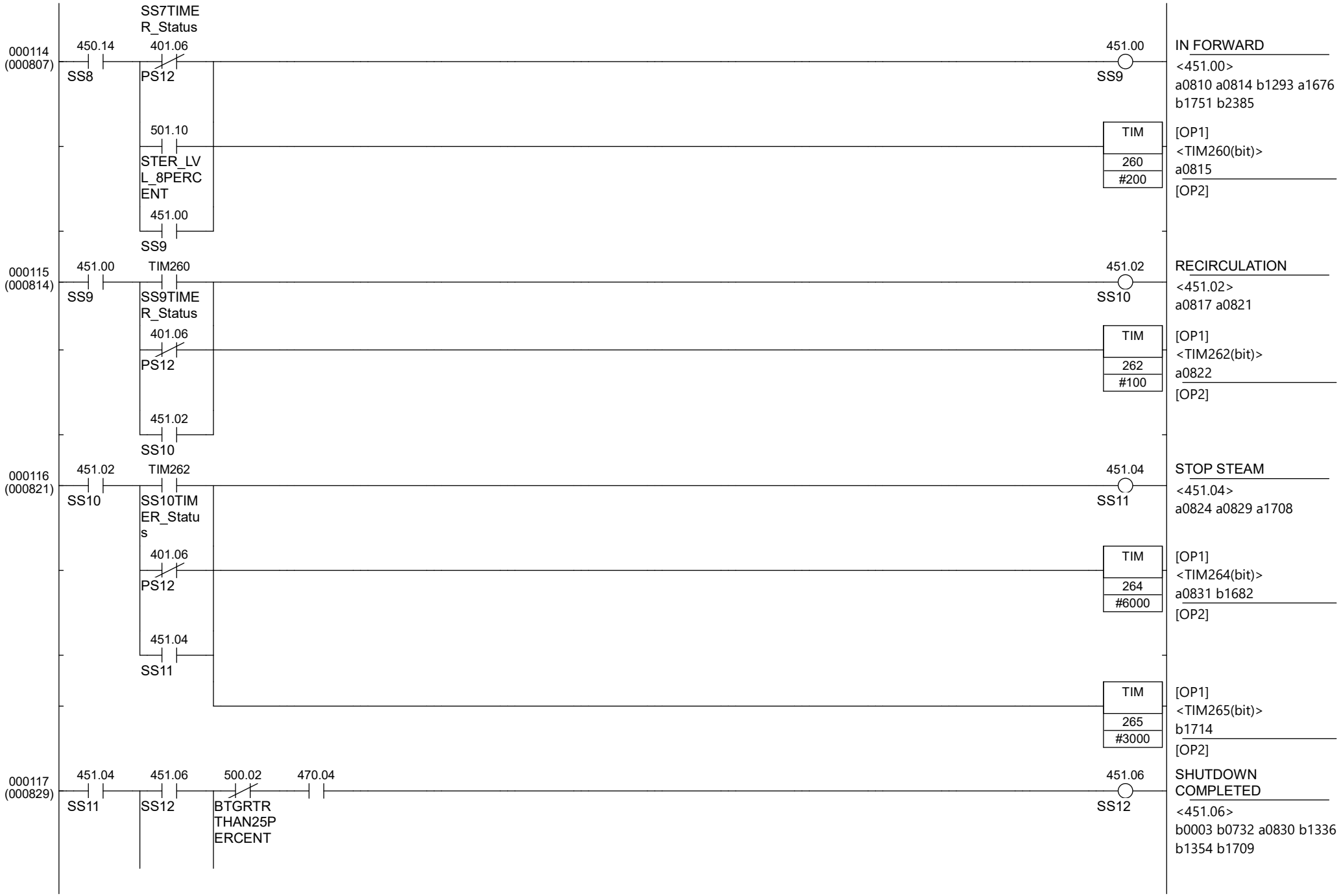

000090
(000650)
423.00
CS25
423.02
CS26
490.11
TIM247
TIM
249
#160
[OP1]
<TIM249(bit)>
a0659 a0665 a0672 a1376
[OP2]
000091
(000655)
423.00
CS25
423.02
CS26
490.11
TIM247
TIM249
TIM
310
#150
[OP1]
<TIM310(bit)>
a0666 a0673 b1377
[OP2]
000092
(000661)
423.00
CS25
423.02
CS26
490.11
TIM247
TIM249
TIM310
TIM
311
#160
[OP1]
<TIM311(bit)>
a0674 a1378
[OP2]
000093
(000668)
423.00
CS25
423.02
CS26
490.11
TIM247
TIM249
TIM310
TIM311
TIM
245
#150
[OP1]
<TIM245(bit)>
a0678 b1379
[OP2]
000094
(000676)
423.00
CS25
423.02
CS26
423.02
CS26
ALARM
<423.02>
b0306 b0634 b0647 b0651
b0656 b0662 b0669 a0677
b0702 b0720 a1272 a1283
b1360 b1373 b1473 b1583
b1645 b1850 b1950 b2002
b2267
TIM245
RSET
490.04
<490.04>
a0336 a0348 a0359 a0383
a0400 a0421 a0439 a0465
a0488 a0508 a0530 a0545
a0570 a0586 a0598 a0614
a0624 a0679
490.04
RSET
492.02
CIP_AUTO_MONTHLY_SELECTED
<492.02>
b0246 a0549 b0564 a0565
b0571 a0583 a1491 b1498
a1499
<c492>
c0219
RSET
492.03
<492.03>
b0247 a0386 a0402 a0413

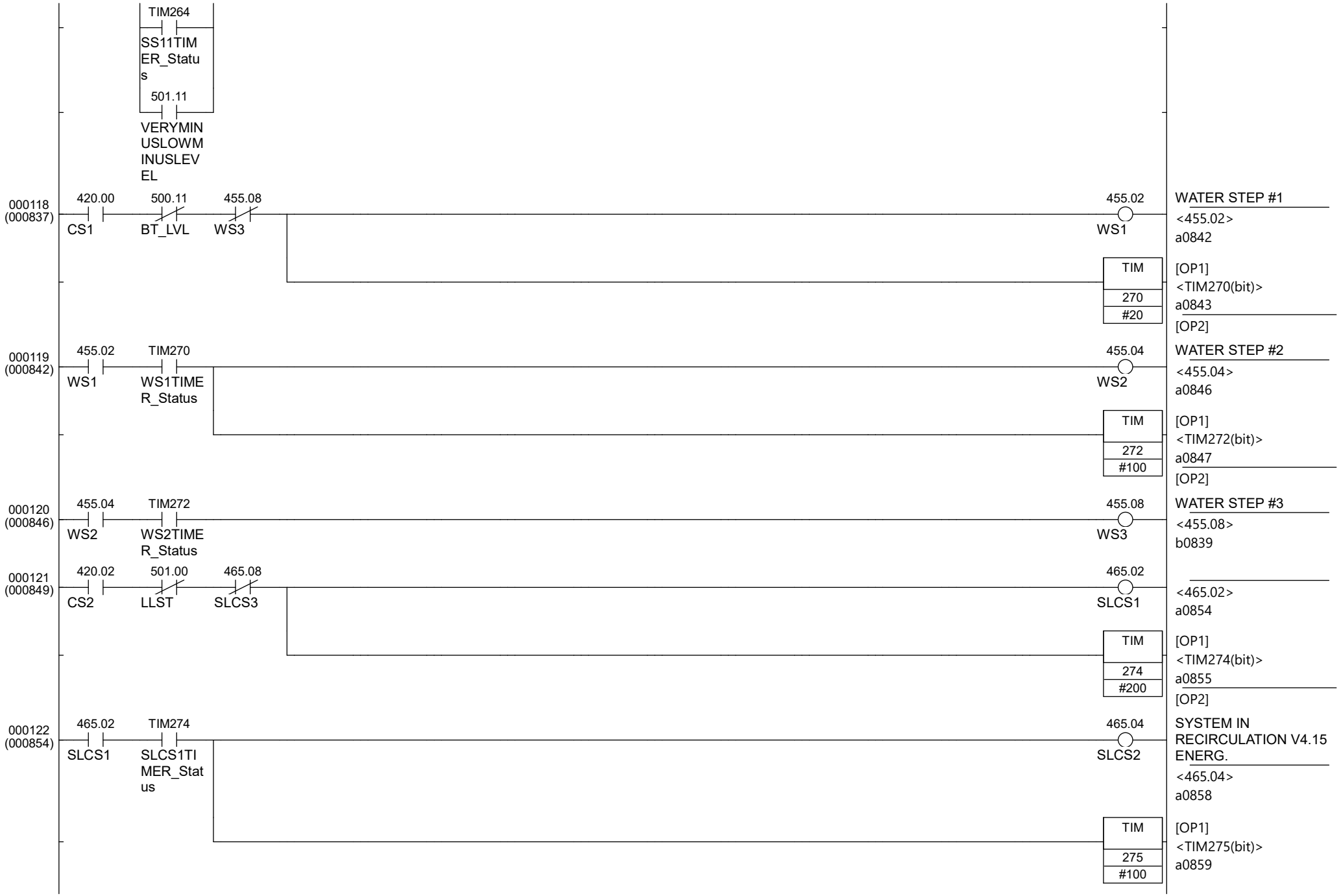

CIP_AUTO_SHORT_SELECTED
a0423 b0431 a0442 a0467
b2183
<c492>
c0219
RSET
493.01
<493.01>
a0566 a0572 b0584 b0589
a0593 b1492 a1500
000095
(000686)
423.00
CS25
DIFD
(14)
423.09
<423.09>
a0688
423.09
KEEP
(11)
423.10
<423.10>
a0692
400.00
PS1
CNT248
000096
(000692)
423.10
254.00
P_1min
CNT
307
#2
[OP1]
<CNT307(bit)>
b0695 a0699
[OP2]
400.00
PS1
CNT307
423.12
000097
(000698)
400.00
PS1
CNT307
423.11
>3hrs from CIP to Start -
DO SHORT CIP
000098
(000701)
420.00
CS1
423.02
CS26
233.09
SCADA_
CIP_INDC
SCADA CIP Running
Indicator
000099
(000704)
421.06
CS12
421.08
CS13
421.10
CS14
421.12
CS15
421.14
CS16
423.04
<423.04>
a0722
000100
(000710)
422.00
CS17
422.02
CS18
422.04
CS19
422.06
CS20
422.08
CS21
423.06
<423.06>
a0723
000101
(000716)
422.10
CS22
422.12
CS23
422.14
CS24
423.00
CS25
423.02
CS26
423.08
<423.08>
a0724
000102
(000722)
423.04
423.06
423.08
Y: 3.10
Sterilizer to Ext. Valve
000103
(000726)
450.00
SS1
451.06
SS12
X: 0.08
I008
233.08
450.00
SS1
SHUTDOWN STARTED
<450.00>
a0726 a0736 b0945 b1065
b1073 b1529 b2053 b2057
b2061 a2097 a2420 b2502

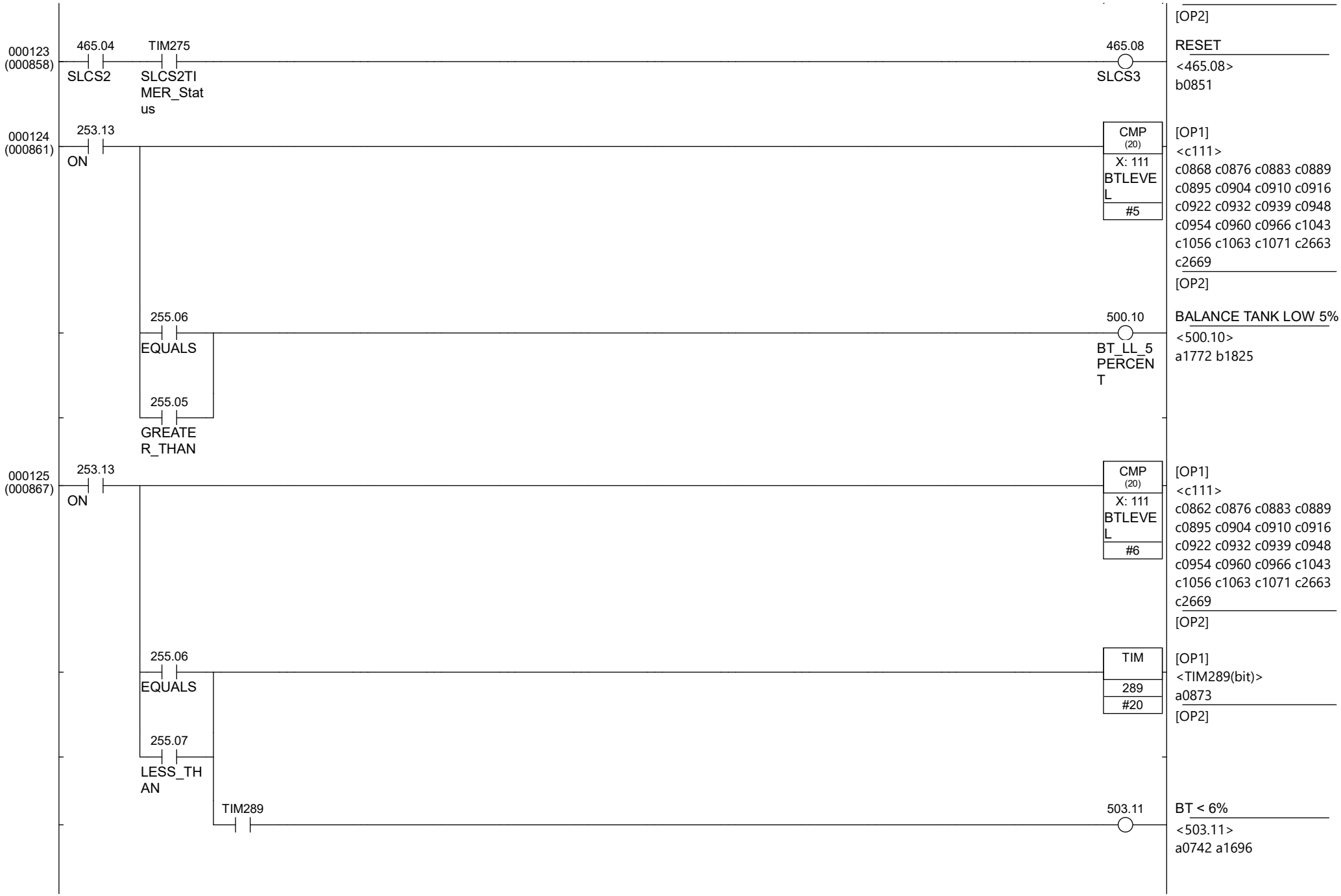

400.02
PS2
X: 0.07
I007
233.07
SCADA_
PURGE
a2503 a2508 b2521 b2531
b2548 a2592
000104
(000736)
450.00
SS1
450.02
SS2
STOP FEED
<450.02>
a0740 b1422 b1424 b2056
a2402
TIM
250
#200
[OP1]
<TIM250(bit)>
a0748
[OP2]
TIM
251
#3000
[OP1]
[OP2]
000105
(000740)
450.02
SS2
450.04
SS3
TIM250
SS2TIME
R_Status
450.04
SS3
WATER FEED
<450.04>
a0741 a0754 b1162 b1170
b1186 b1219 b1414 b1551
a1694 b1777 b1785 a1788
a1820 b2403 b2421 a2423
503.11
420.00
CS1
RSET
233.07
SCADA_
PURGE
<233.07>
a0729
500.11
BT_LVL
420.00
CS1
401.06
PS12
TIM
252
#900
[OP1]
<TIM252(bit)>
a0757
[OP2]
000106
(000754)
450.04
SS3
450.06
SS4
450.06
SS4
EMPTY SEPERATOR
<450.06>
a0755 a0760 a0764 a0772
a2408 b2424
401.06


PS12
TIM252
SS3TIME R_Status
000107 (000760)
450.06
SS4
450.08
SS5
MOV (21)
#90
DM521
[OP1]
[OP2]
<cDM0521>
c0783 c1559 c1562 c1575 c2742 c2745 c2747 c2748 c2749 c2831
TIM
253
#900
[OP1]
<TIM253(bit)>
a0775
[OP2]
000108 (000764)
450.06
SS4
CMP (20)
DM520
SEP_LEVEL
#100
[OP1]
<cDM0520>
c0042 c0106 c1195 c2114 c2124 c2132 c2139 c2829 c2846 c2850 c2852 c2854
[OP2]
255.06
EQUALS
TIM
288
#15
[OP1]
<TIM288(bit)>
a0770
[OP2]
255.07
LESS_THAN
TIM288
470.04
Separator < 10%
<470.04>
a0774 a0835
000109 (000772)
450.06
SS4
401.06
PS12
450.08
SS5
REBUILT SEP. LEVEL
<450.08>
b0761 a0777 a0782 a0784 b2173 b2409
470.04
TIM253
TIM
254
#100
[OP1]
<TIM254(bit)>
a0786
[OP2]
450.08
SS5


X: 0.01
I001
000110
(000782)
450.08
SS5
MOV
(21)
#90
DM521
[OP1]
[OP2]
<cDM0521>
c0762 c1559 c1562 c1575
c2742 c2745 c2747 c2748
c2749 c2831
000111
(000784)
450.08
SS5
450.10
SS6
450.10
SS6
WATER TO DRAIN
<450.10>
a0785 a0792 b1695 a1701
a1750 b1821
TIM254
SS5TIME
R_Status
401.06
PS12
TIM
256
#100
[OP1]
<TIM256(bit)>
a0794
[OP2]
TIM
257
#6000
[OP1]
<TIM257(bit)>
b1185 b1218
[OP2]
000112
(000792)
450.10
SS6
450.12
SS7
450.12
SS7
SYSTEM IN
RECIRCULATION
<450.12>
a0793 a0801
TIM256
SS6TIME
R_Status
500.04
BTGRTR
THAN55P
ERCENT
401.06
PS12
TIM
258
#100
[OP1]
<TIM258(bit)>
a0804
[OP2]
000113
(000801)
450.12
SS7
450.14
SS8
450.14
SS8
EMPTY STERILE TANK
<450.14>
a0802 a0807 b1115 b1202
a1530 b1702 a2384
401.06
PS12
TIM258

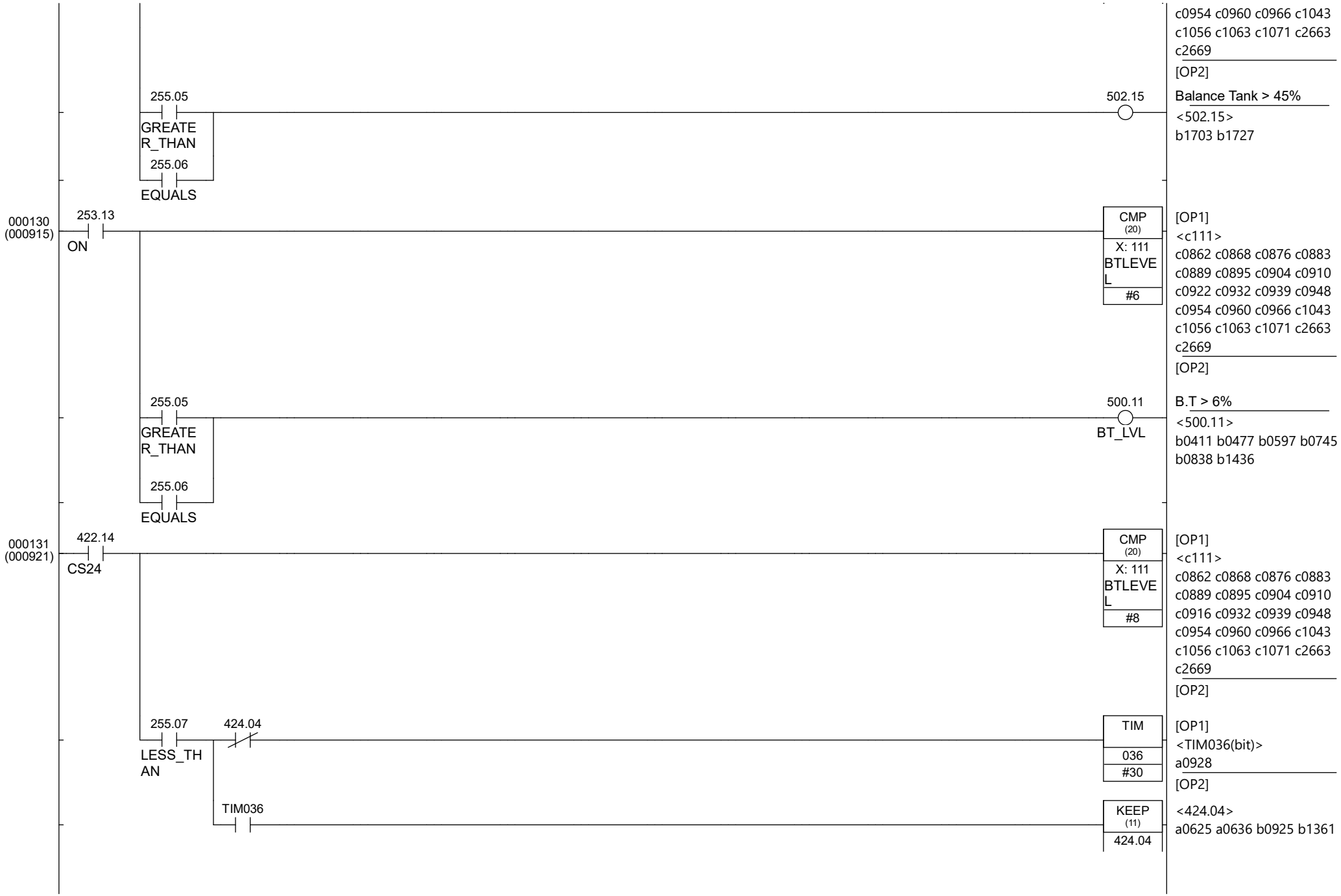

000114
(000807)
450.14
SS8
SS7TIME
R_Status
401.06
PS12
501.10
STER_LV
L_8PERC
ENT
451.00
SS9
451.00
SS9
IN FORWARD
<451.00>
a0810 a0814 b1293 a1676
b1751 b2385
TIM
260
#200
[OP1]
<TIM260(bit)>
a0815
[OP2]
000115
(000814)
451.00
SS9
TIM260
SS9TIME
R_Status
401.06
PS12
451.02
SS10
451.02
SS10
RECIRCULATION
<451.02>
a0817 a0821
TIM
262
#100
[OP1]
<TIM262(bit)>
a0822
[OP2]
000116
(000821)
451.02
SS10
TIM262
SS10TIM
ER_Statu
s
401.06
PS12
451.04
SS11
451.04
SS11
STOP STEAM
<451.04>
a0824 a0829 a1708
TIM
264
#6000
[OP1]
<TIM264(bit)>
a0831 b1682
[OP2]
TIM
265
#3000
[OP1]
<TIM265(bit)>
b1714
[OP2]
000117
(000829)
451.04
SS11
451.06
SS12
500.02
BTGRTR
THAN25P
ERCENT
470.04
451.06
SS12
SHUTDOWN
COMPLETED
<451.06>
b0003 b0732 a0830 b1336
b1354 b1709

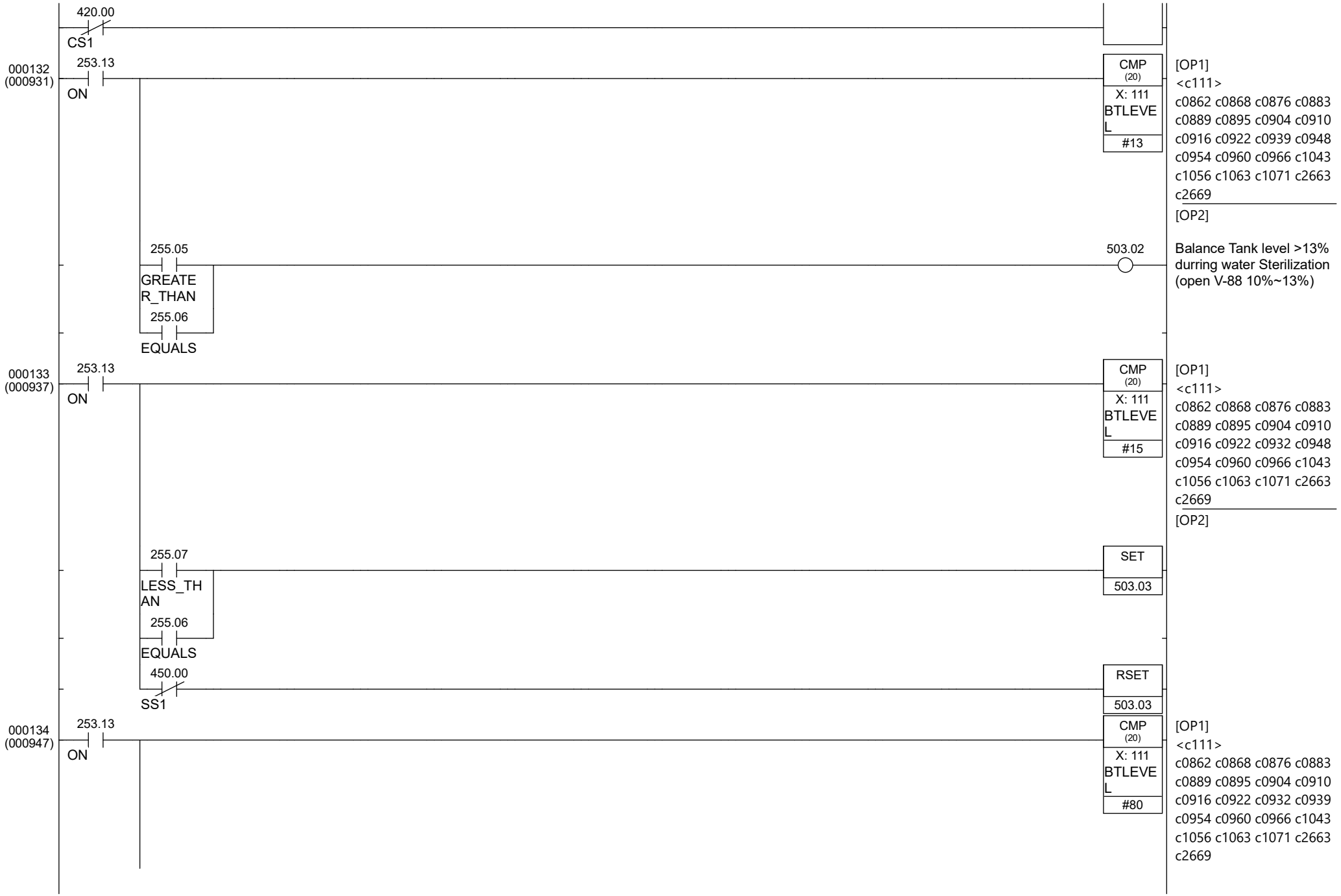

TIM264
SS11TIMER_Status
501.11
VERYMINUSLOWMINUSLEVEL
000118
(000837)
420.00
CS1
500.11
BT_LVL
455.08
WS3
455.02
WS1
WATER STEP #1
<455.02>
a0842
TIM
270
#20
[OP1]
<TIM270(bit)>
a0843
[OP2]
000119
(000842)
455.02
WS1
TIM270
WS1TIMER_Status
455.04
WS2
WATER STEP #2
<455.04>
a0846
TIM
272
#100
[OP1]
<TIM272(bit)>
a0847
[OP2]
000120
(000846)
455.04
WS2
TIM272
WS2TIMER_Status
455.08
WS3
WATER STEP #3
<455.08>
b0839
000121
(000849)
420.02
CS2
501.00
LLST
465.08
SLCS3
465.02
SLCS1
<465.02>
a0854
TIM
274
#200
[OP1]
<TIM274(bit)>
a0855
[OP2]
000122
(000854)
465.02
SLCS1
TIM274
SLCS1TIMER_Status
465.04
SLCS2
SYSTEM IN RECIRCULATION V4.15 ENERG.
<465.04>
a0858
TIM
275
#100
[OP1]
<TIM275(bit)>
a0859


000123
(000858)
465.04
SLCS2
TIM275
SLCS2TIMER_Status
465.08
SLCS3
[OP2]
RESET
<465.08>
b0851
000124
(000861)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#5
[OP1]
<c111>
c0868 c0876 c0883 c0889
c0895 c0904 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.06
EQUALS
255.05
GREATER_THAN
500.10
BT_LL_5PERCENT
BALANCE TANK LOW 5%
<500.10>
a1772 b1825
000125
(000867)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#6
[OP1]
<c111>
c0862 c0876 c0883 c0889
c0895 c0904 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.06
EQUALS
255.07
LESS_THAN
TIM
289
#20
[OP1]
<TIM289(bit)>
a0873
[OP2]
TIM289
503.11
BT < 6%
<503.11>
a0742 a1696

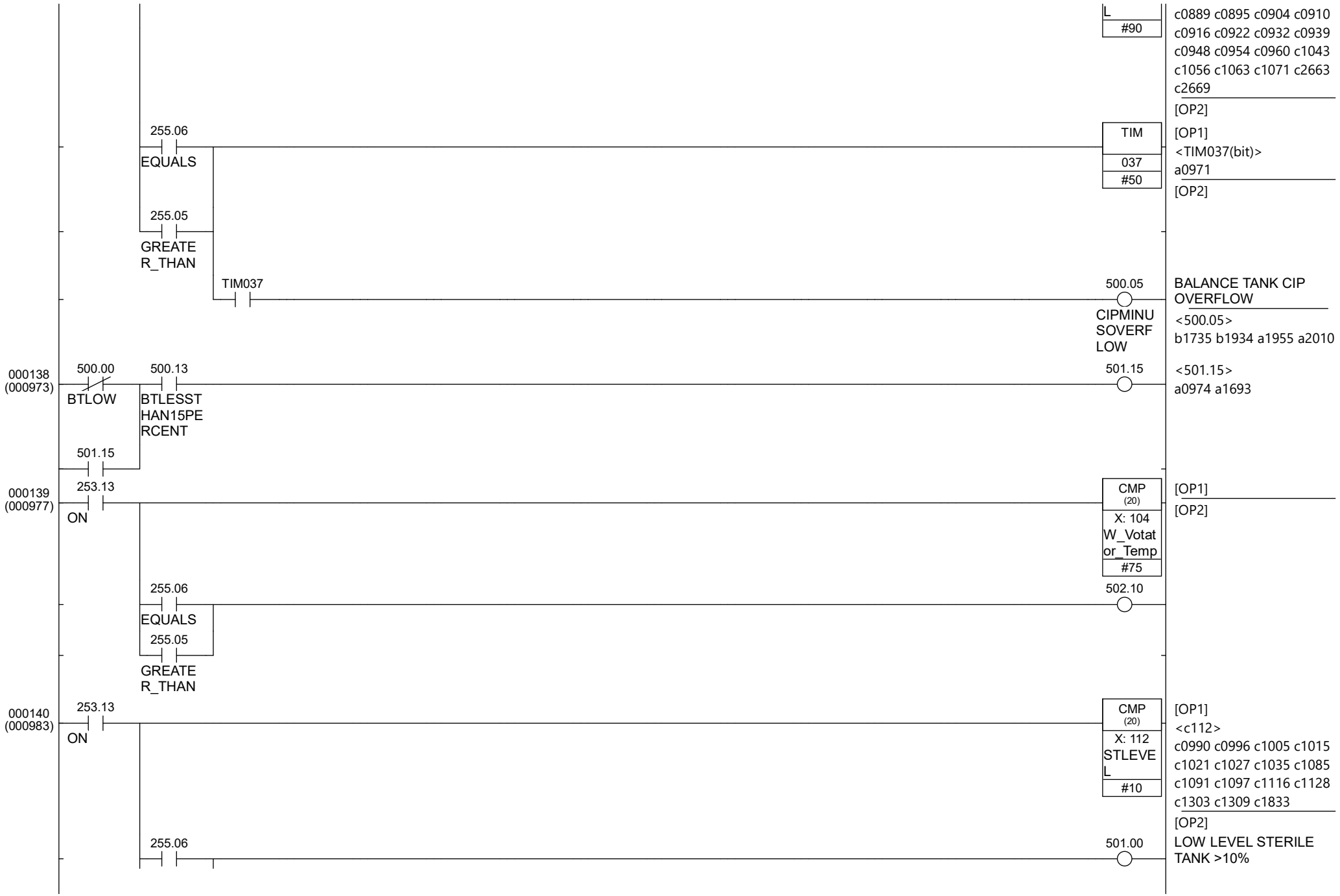
000126
(000875)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#10
[OP1]
<c111>
c0862 c0868 c0883 c0889
c0895 c0904 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.06
EQUALS
255.05
GREATER_THAN
500.00
BTLOW
B.T > 10%
<500.00>
b0094 b0973 a1771
000127
(000881)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#25
[OP1]
<c111>
c0862 c0868 c0876 c0889
c0895 c0904 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.05
GREATER_THAN
255.06
EQUALS
500.02
BTGRTRTHAN25PERCENT
B.T. > 25% "START P76"
<500.02>
b0834 b1427 b1710
CMP
(20)
X: 111
BTLEVEL
#35
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0895 c0904 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.05
504.05
BALANC TANK LEVEL
>35%

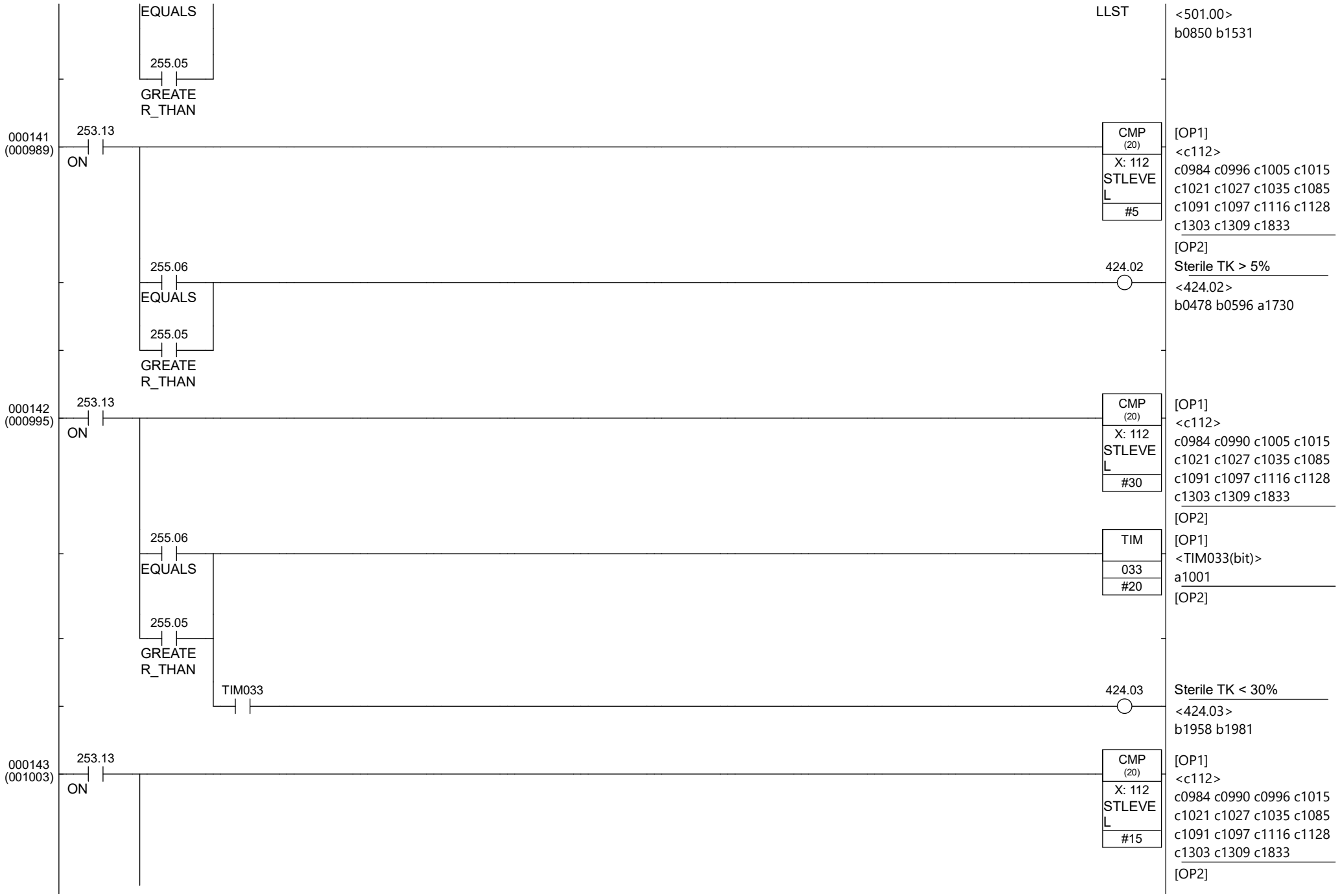
GREATE
R_THAN
255.06
EQUALS
BT_35PE
RCENT
000128
(000894)
253.13
ON
CMP
(20)
X: 111
BTLEVE
L
#30
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0904 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.05
GREATE
R_THAN
255.06
EQUALS
TIM
259
#25
[OP1]
<TIM259(bit)>
a0900
[OP2]
TIM259
503.10
BT > 30%
<503.10>
a0017 b1699 b1713
000129
(000902)
253.13
ON
CMP
(20)
X: 111
BTLEVE
L
#35
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0910 c0916
c0922 c0932 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.05
GREATE
R_THAN
255.06
EQUALS
502.14
Balance Tank > 35%
<502.14>
b1724
CMP
(20)
X: 111
BTLEVE
L
#45
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0916
c0922 c0932 c0939 c0948


255.05
GREATER_THAN
255.06
EQUALS
502.15
Balance Tank > 45%
<502.15>
b1703 b1727
000130
(000915)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#6
[OP1]
<c111>
c0862 c0868 c0876 c0883 c0889 c0895 c0904 c0910 c0922 c0932 c0939 c0948 c0954 c0960 c0966 c1043 c1056 c1063 c1071 c2663 c2669
[OP2]
255.05
GREATER_THAN
255.06
EQUALS
500.11
BT_LVL
B.T > 6%
<500.11>
b0411 b0477 b0597 b0745 b0838 b1436
000131
(000921)
422.14
CS24
CMP
(20)
X: 111
BTLEVEL
#8
[OP1]
<c111>
c0862 c0868 c0876 c0883 c0889 c0895 c0904 c0910 c0916 c0932 c0939 c0948 c0954 c0960 c0966 c1043 c1056 c1063 c1071 c2663 c2669
[OP2]
255.07
LESS_THAN
424.04
TIM
036
#30
[OP1]
<TIM036(bit)>
a0928
[OP2]
TIM036
KEEP
(11)
424.04
<424.04>
a0625 a0636 b0925 b1361

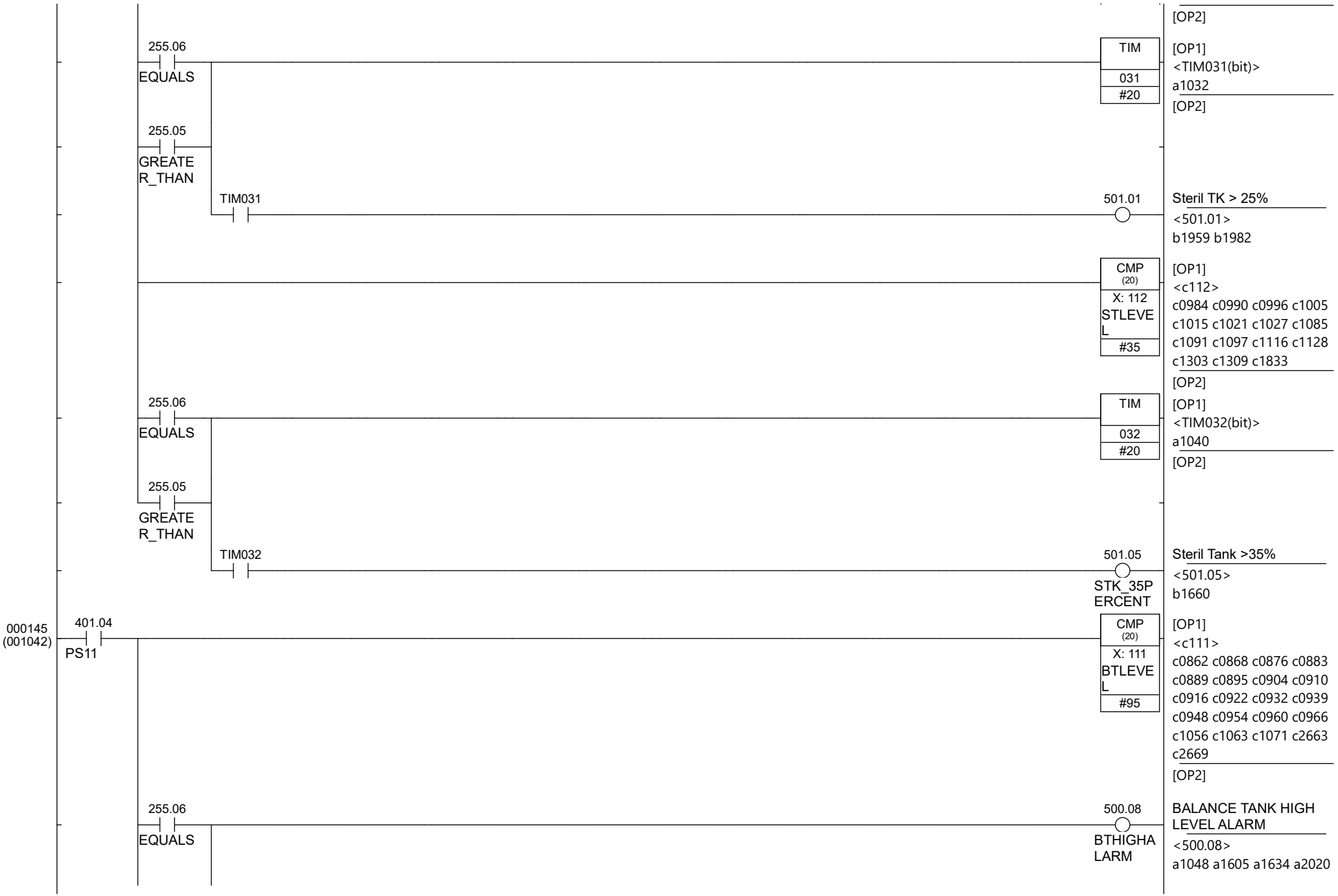

420.00
CS1
000132
(000931)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#13
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0939 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.05
GREATER_THAN
255.06
EQUALS
503.02
Balance Tank level >13%
durring water Sterilization
(open V-88 10%~13%)
000133
(000937)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#15
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0948
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.07
LESS_THAN
255.06
EQUALS
SET
503.03
450.00
SS1
RSET
503.03
000134
(000947)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#80
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0954 c0960 c0966 c1043
c1056 c1063 c1071 c2663
c2669

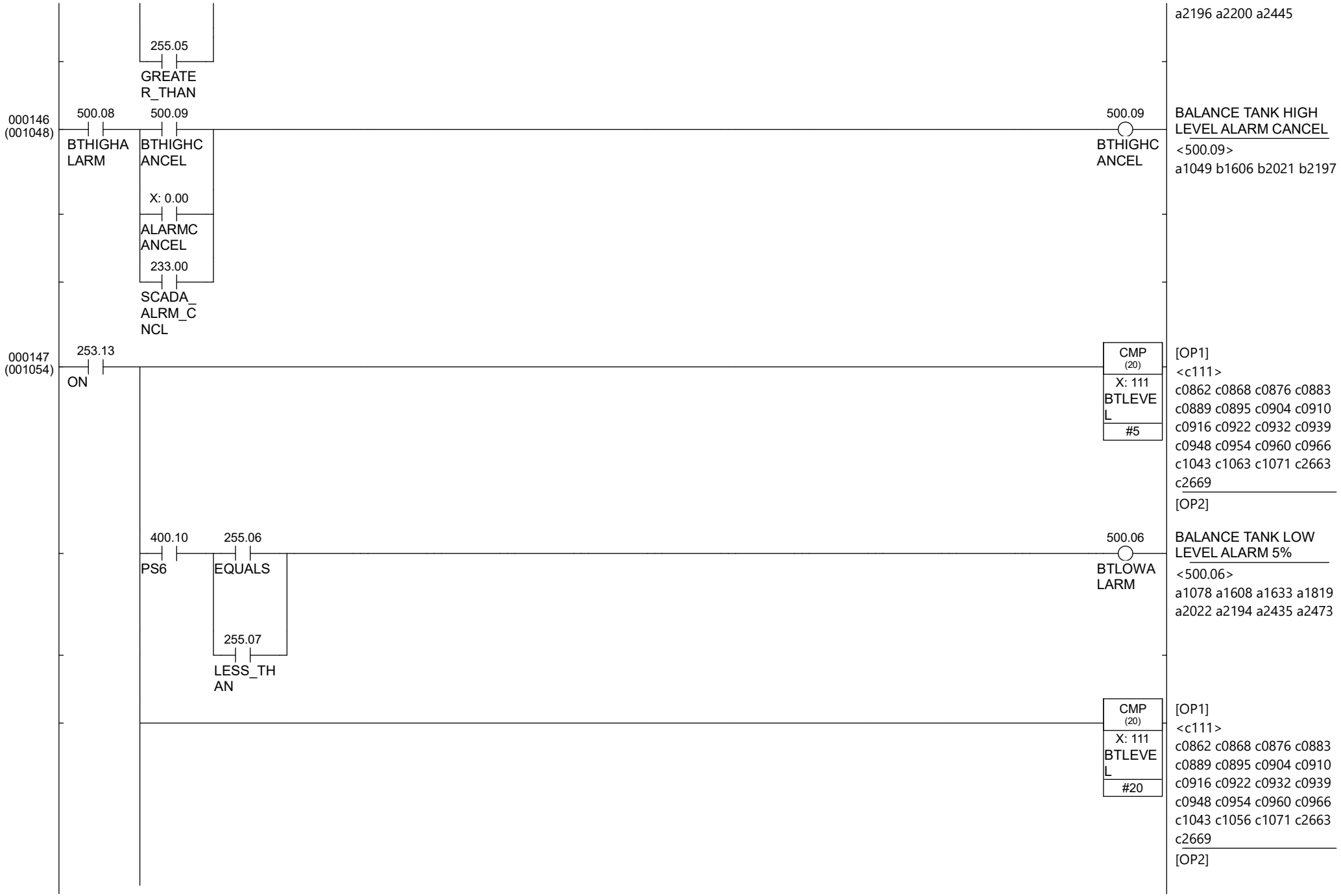
255.05
GREATER_THAN
255.06
EQUALS
500.12
BTK_level_75PERCENT
BALANCE TANK LEVEL > 75%
<500.12>
b1435 b1935 a1954 a2009
000135
(000953)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#68
[OP1]
<c111>
c0862 c0868 c0876 c0883 c0889 c0895 c0904 c0910 c0916 c0922 c0932 c0939 c0948 c0960 c0966 c1043 c1056 c1063 c1071 c2663 c2669
[OP2]
255.05
GREATER_THAN
255.06
EQUALS
504.07
BALANCE TANK LEVEL > 68%
000136
(000959)
253.13
ON
CMP
(20)
X: 111
BTLEVEL
#55
[OP1]
<c111>
c0862 c0868 c0876 c0883 c0889 c0895 c0904 c0910 c0916 c0922 c0932 c0939 c0948 c0954 c0966 c1043 c1056 c1063 c1071 c2663 c2669
[OP2]
255.06
EQUALS
255.05
GREATER_THAN
500.04
BTGRTRTHAN55PERCENT
B.T. > 55% "STOP P76"
<500.04>
a0795 b1425 b1706
000137
(000965)
253.13
ON
CMP
(20)
X: 111
BTLEVE
[OP1]
<c111>
c0862 c0868 c0876 c0883

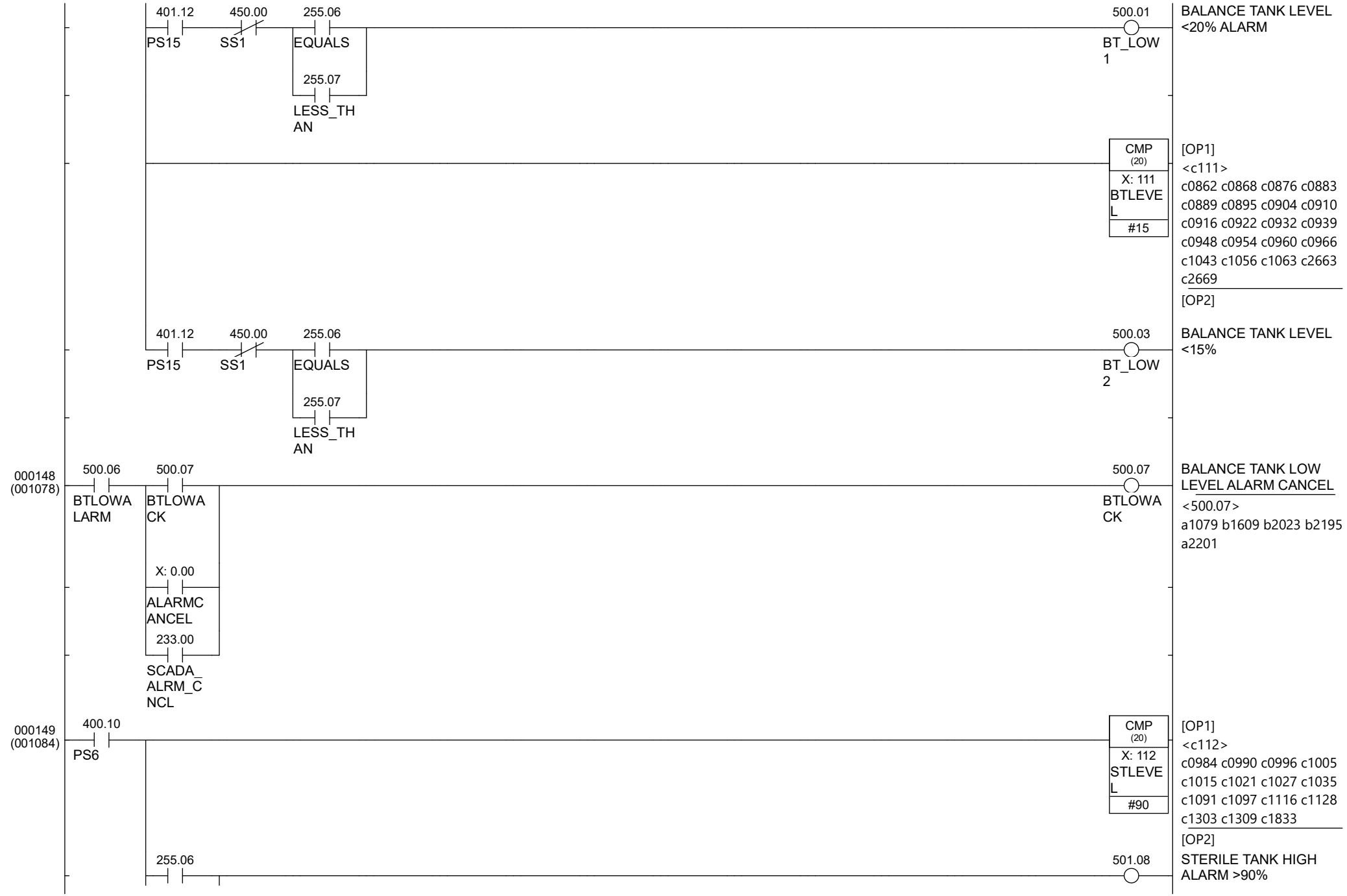

L
#90
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0948 c0954 c0960 c1043
c1056 c1063 c1071 c2663
c2669
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
TIM
037
#50
[OP1]
<TIM037(bit)>
a0971
[OP2]
TIM037
500.05
CIPMINU
SOVERF
LOW
BALANCE TANK CIP
OVERFLOW
<500.05>
b1735 b1934 a1955 a2010
000138
(000973)
500.00
BTLOW
500.13
BTLESST
HAN15PE
RCENT
501.15
<501.15>
a0974 a1693
501.15
000139
(000977)
253.13
ON
CMP
(20)
X: 104
W_Votat
or_Temp
#75
[OP1]
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
502.10
000140
(000983)
253.13
ON
CMP
(20)
X: 112
STLEVE
L
#10
[OP1]
<c112>
c0990 c0996 c1005 c1015
c1021 c1027 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
255.06
501.00
LOW LEVEL STERILE
TANK >10%

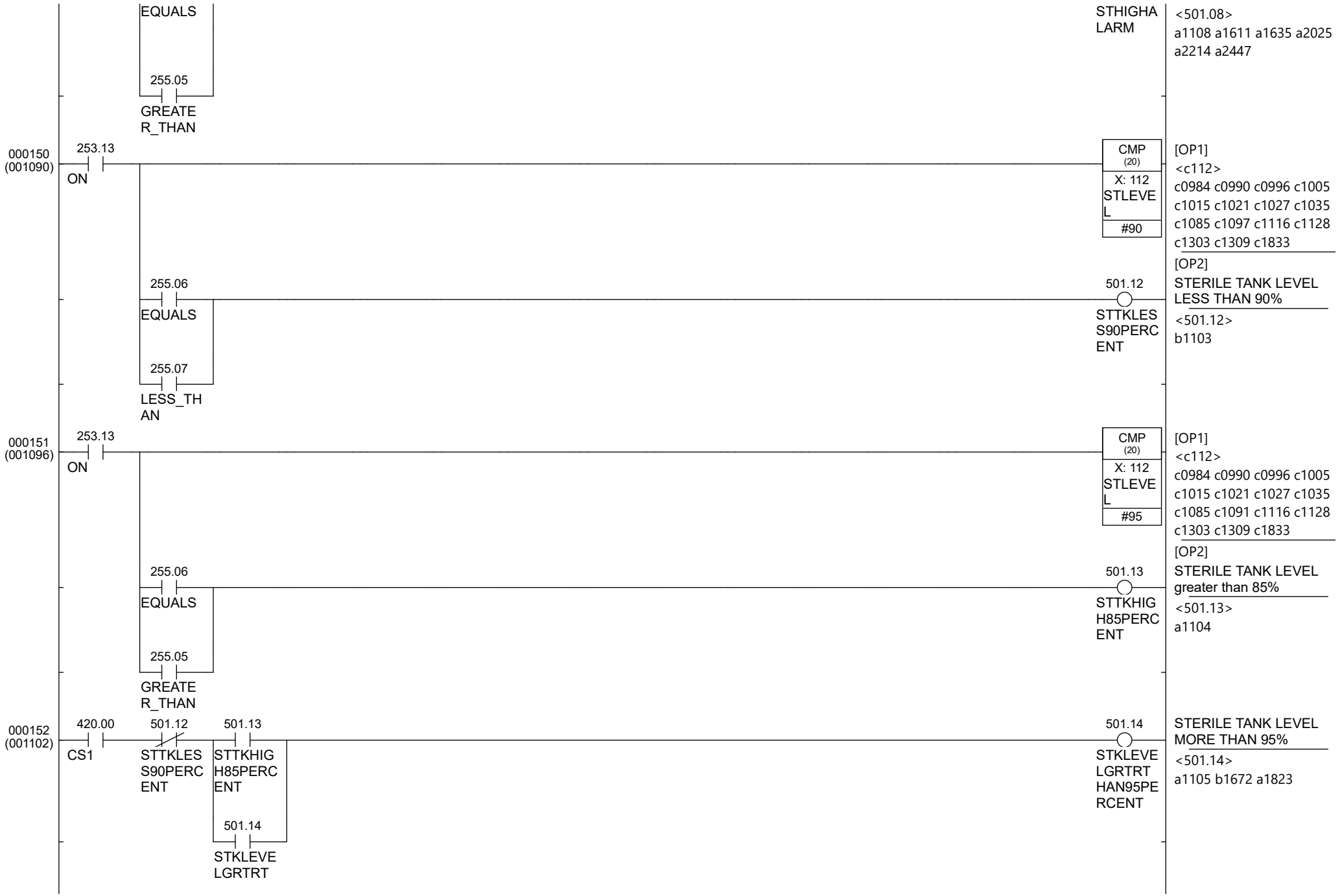

EQUALS
255.05
GREATE
R_THAN
LLST
<501.00>
b0850 b1531
000141
(000989)
253.13
ON
CMP
(20)
X: 112
STLEVE
L
#5
[OP1]
<c112>
c0984 c0996 c1005 c1015
c1021 c1027 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
424.02
Sterile TK > 5%
<424.02>
b0478 b0596 a1730
000142
(000995)
253.13
ON
CMP
(20)
X: 112
STLEVE
L
#30
[OP1]
<c112>
c0984 c0990 c1005 c1015
c1021 c1027 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
TIM
033
#20
[OP1]
<TIM033(bit)>
a1001
[OP2]
TIM033
424.03
Sterile TK < 30%
<424.03>
b1958 b1981
000143
(001003)
253.13
ON
CMP
(20)
X: 112
STLEVE
L
#15
[OP1]
<c112>
c0984 c0990 c0996 c1015
c1021 c1027 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]

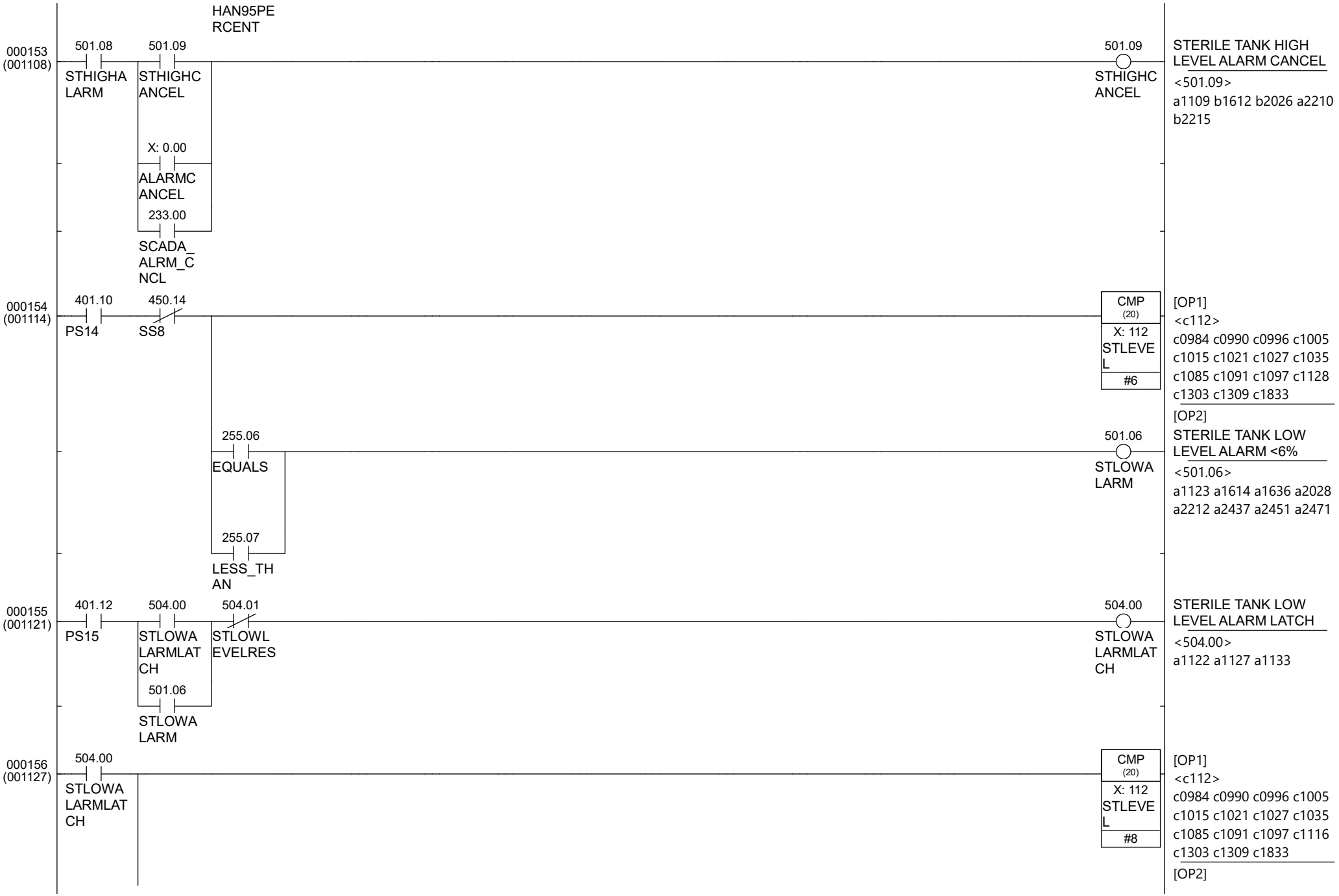
000144
(001013)
253.13
ON
255.05
GREATE
R_THAN
255.06
EQUALS
501.02
MLST
501.02
MLST
TIM
030
#600
CMP
(20)
X: 112
STLEVE
L
#80
MID LEVEL STERILE
TANK >15%
<501.02>
b1011 b1681
[OP1]
[OP2]
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1021 c1027 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
501.04
HLST
HIGH LEVEL STERILE
TANK >80%
<501.04>
b1671
CMP
(20)
X: 112
STLEVE
L
#30
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1027 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
501.03
STK_25P
ERCENT
Steril Tank >30%
<501.03>
b1661
CMP
(20)
X: 112
STLEVE
L
#25
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1035 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833


255.06
EQUALS
255.05
GREATE
R_THAN
TIM031
TIM
031
#20
[OP2]
[OP1]
<TIM031(bit)>
a1032
[OP2]
501.01
Steril TK > 25%
<501.01>
b1959 b1982
CMP
(20)
X: 112
STLEVE
L
#35
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1085
c1091 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
TIM032
TIM
032
#20
[OP1]
<TIM032(bit)>
a1040
[OP2]
501.05
STK_35P
ERCENT
Steril Tank >35%
<501.05>
b1660
000145
(001042)
401.04
PS11
CMP
(20)
X: 111
BTLEVE
L
#95
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0948 c0954 c0960 c0966
c1056 c1063 c1071 c2663
c2669
[OP2]
255.06
EQUALS
500.08
BTHIGHA
LARM
BALANCE TANK HIGH
LEVEL ALARM
<500.08>
a1048 a1605 a1634 a2020

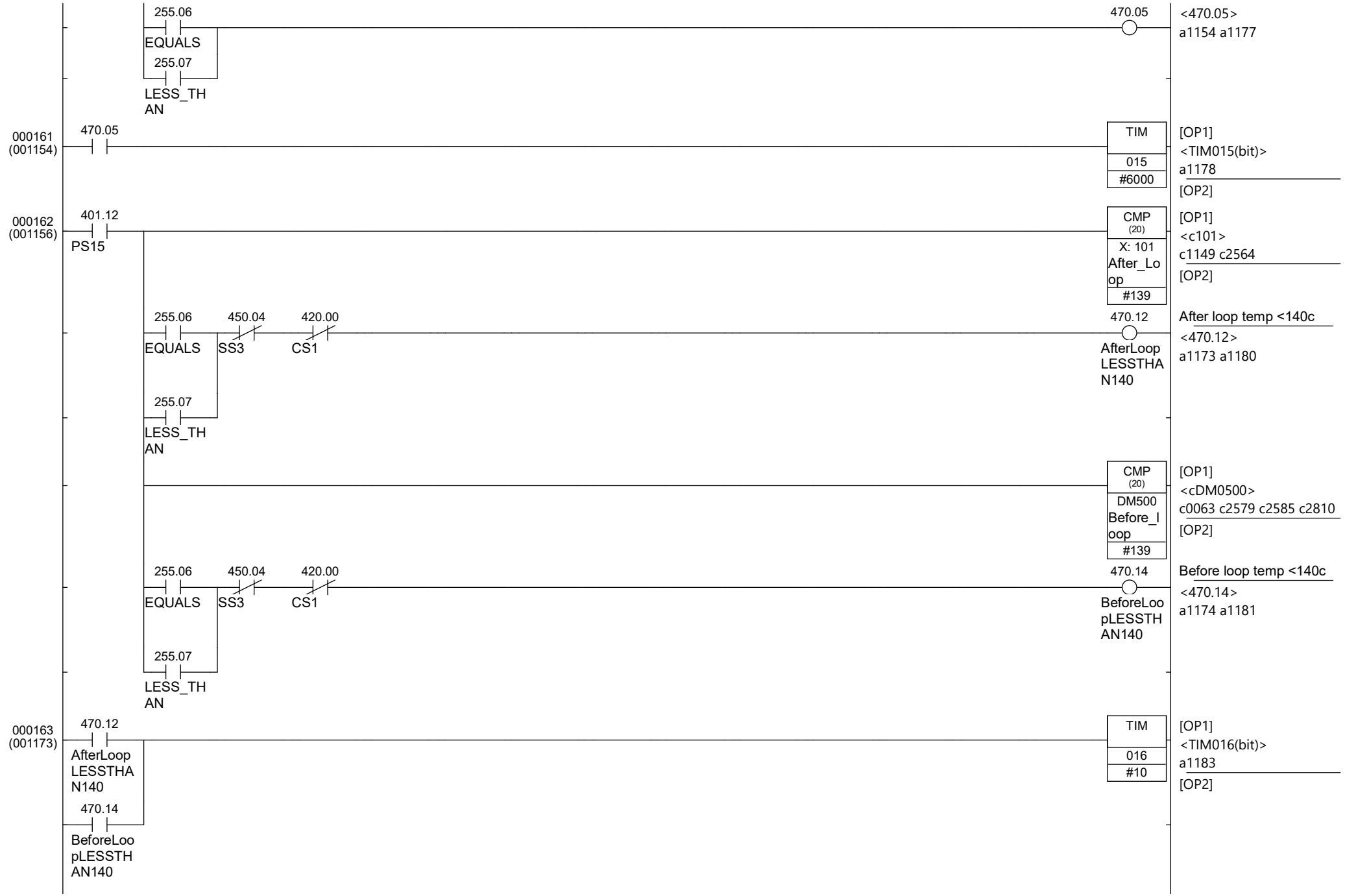

255.05
GREATE
R_THAN
000146
(001048)
500.08
BTHIGHA
LARM
500.09
BTHIGHC
ANCEL
X: 0.00
ALARMC
ANCEL
233.00
SCADA_
ALRM_C
NCL
500.09
BTHIGHC
ANCEL
a2196 a2200 a2445
BALANCE TANK HIGH
LEVEL ALARM CANCEL
<500.09>
a1049 b1606 b2021 b2197
000147
(001054)
253.13
ON
CMP
(20)
X: 111
BTLEVE
L
#5
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0948 c0954 c0960 c0966
c1043 c1063 c1071 c2663
c2669
[OP2]
400.10
PS6
255.06
EQUALS
255.07
LESS_TH
AN
500.06
BTLOWA
LARM
BALANCE TANK LOW
LEVEL ALARM 5%
<500.06>
a1078 a1608 a1633 a1819
a2022 a2194 a2435 a2473
CMP
(20)
X: 111
BTLEVE
L
#20
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0948 c0954 c0960 c0966
c1043 c1056 c1071 c2663
c2669
[OP2]

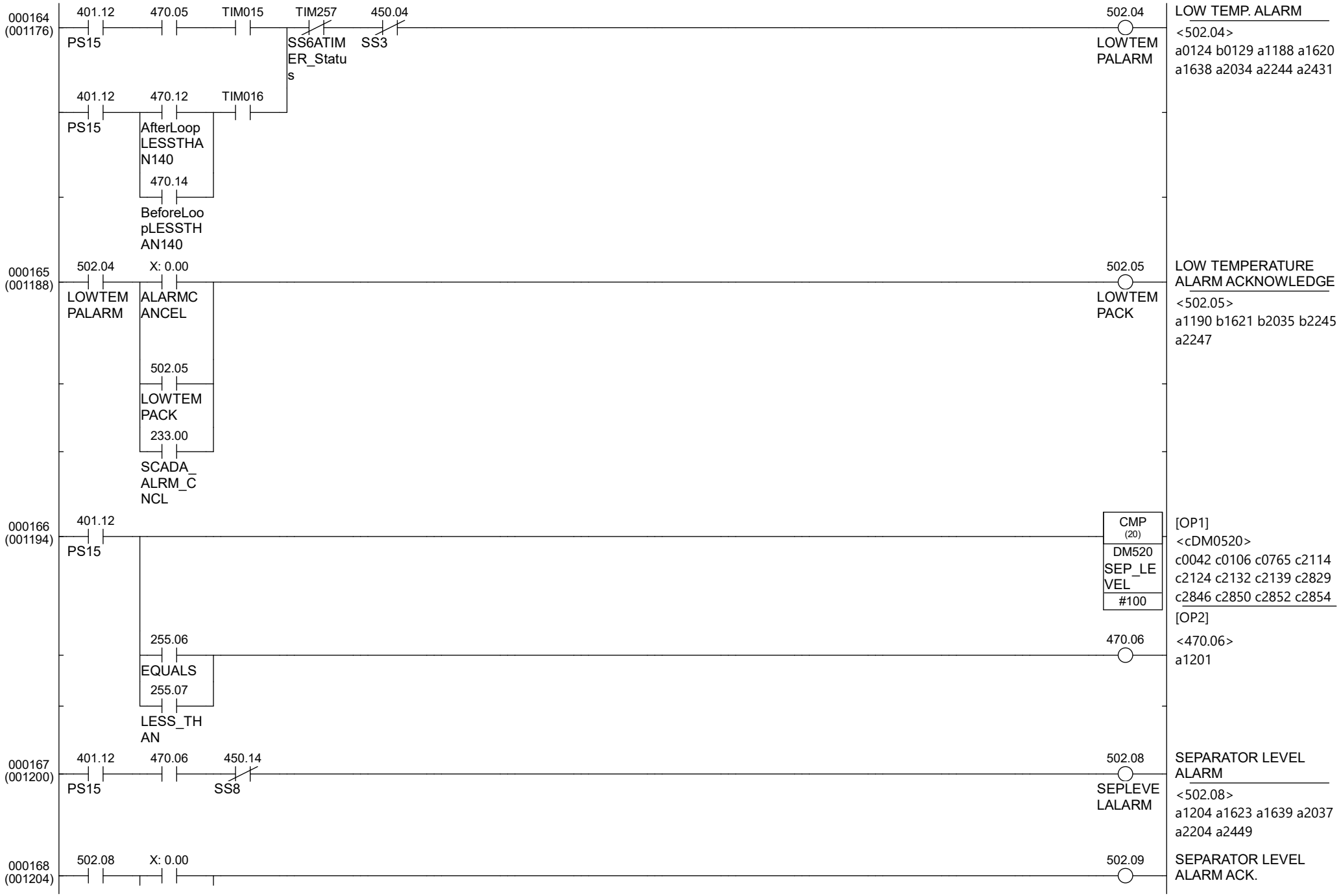

401.12
PS15
450.00
SS1
255.06
EQUALS
255.07
LESS_THAN
500.01
BT_LOW1
BALANCE TANK LEVEL <20% ALARM
CMP (20)
X: 111 BTLEVEL
#15
[OP1]
<c111>
c0862 c0868 c0876 c0883 c0889 c0895 c0904 c0910 c0916 c0922 c0932 c0939 c0948 c0954 c0960 c0966 c1043 c1056 c1063 c2663 c2669
[OP2]
401.12
PS15
450.00
SS1
255.06
EQUALS
255.07
LESS_THAN
500.03
BT_LOW2
BALANCE TANK LEVEL <15%
000148 (001078)
500.06
BTLOWALARM
500.07
BTLOWACK
X: 0.00
ALARMCANCEL
233.00
SCADA_ALRM_CNCL
500.07
BTLOWACK
BALANCE TANK LOW LEVEL ALARM CANCEL
<500.07>
a1079 b1609 b2023 b2195 a2201
000149 (001084)
400.10
PS6
CMP (20)
X: 112 STLEVEL
#90
[OP1]
<c112>
c0984 c0990 c0996 c1005 c1015 c1021 c1027 c1035 c1091 c1097 c1116 c1128 c1303 c1309 c1833
[OP2]
255.06
501.08
STERILE TANK HIGH ALARM >90%

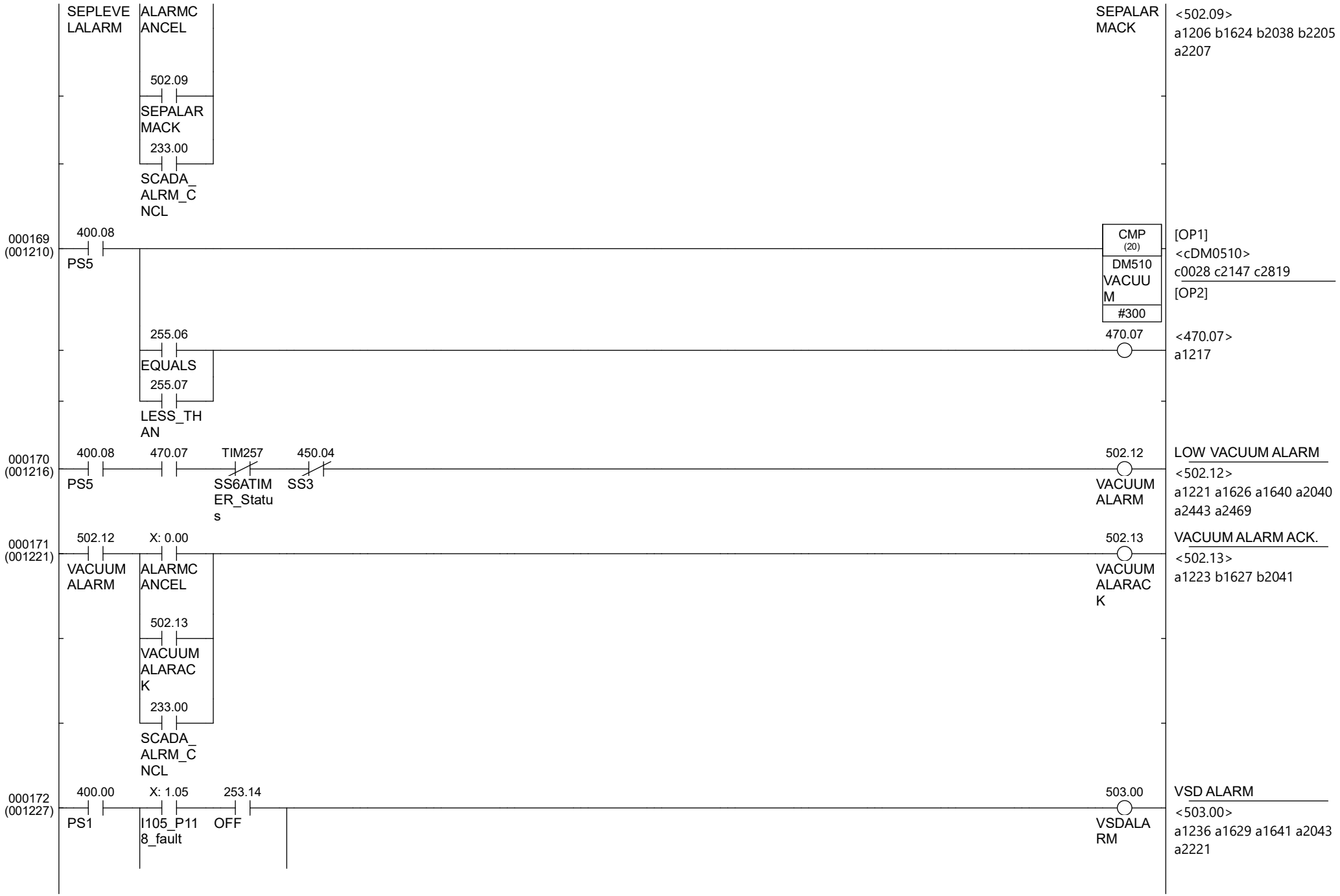

EQUALS
255.05
GREATE
R_THAN
STHIGHA
LARM
<501.08>
a1108 a1611 a1635 a2025
a2214 a2447
000150
(001090)
253.13
ON
CMP
(20)
X: 112
STLEVE
L
#90
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1097 c1116 c1128
c1303 c1309 c1833
[OP2]
STERILE TANK LEVEL
LESS THAN 90%
255.06
EQUALS
255.07
LESS_TH
AN
501.12
STTKLES
S90PERC
ENT
<501.12>
b1103
000151
(001096)
253.13
ON
CMP
(20)
X: 112
STLEVE
L
#95
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1091 c1116 c1128
c1303 c1309 c1833
[OP2]
STERILE TANK LEVEL
greater than 85%
255.06
EQUALS
255.05
GREATE
R_THAN
501.13
STTKHIG
H85PERC
ENT
<501.13>
a1104
000152
(001102)
420.00
CS1
501.12
STTKLES
S90PERC
ENT
501.13
STTKHIG
H85PERC
ENT
501.14
STKLEVE
LGRTRT
501.14
STKLEVE
LGRTRT
HAN95PE
RCENT
STERILE TANK LEVEL
MORE THAN 95%
<501.14>
a1105 b1672 a1823

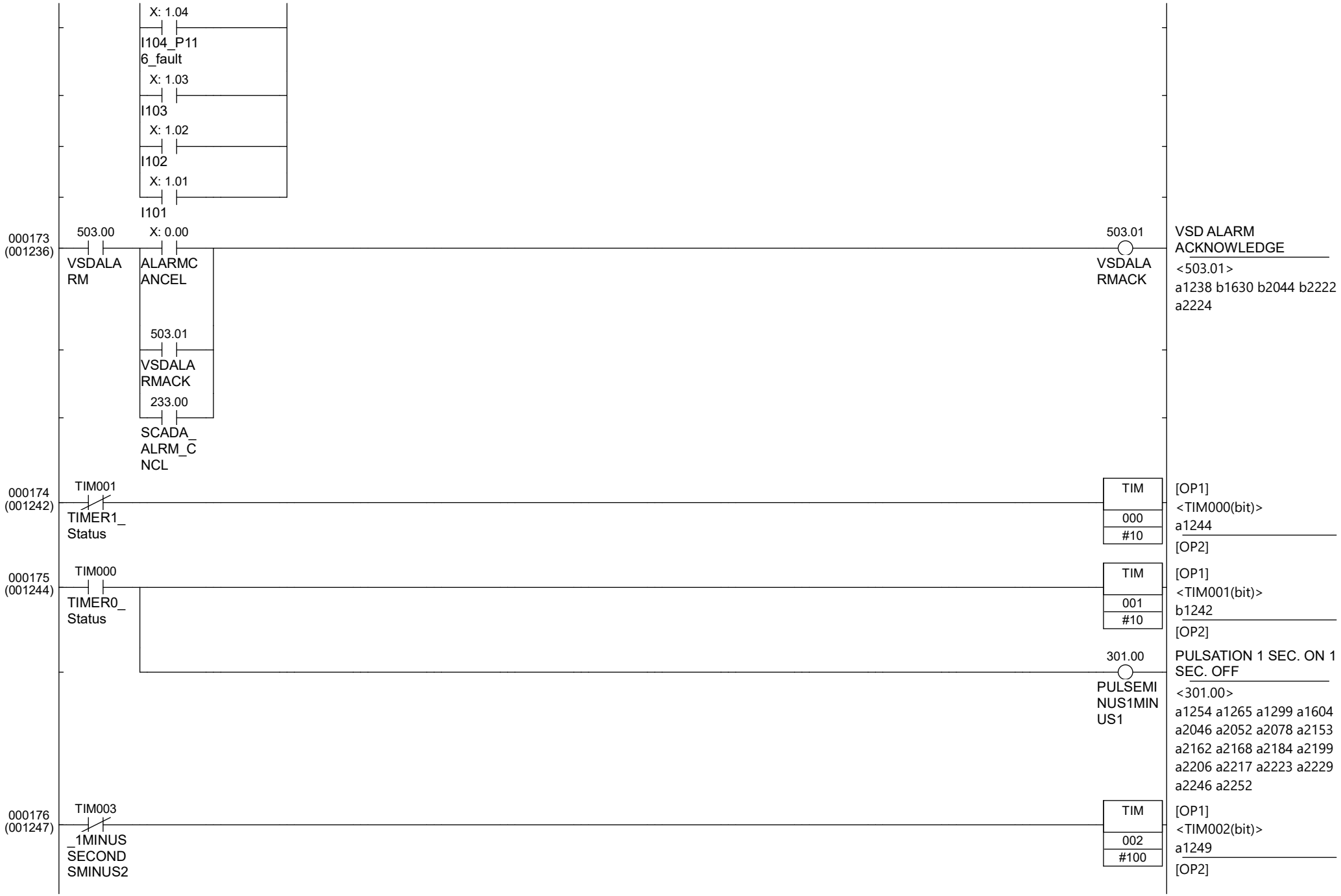

HAN95PE
RCENT
000153
(001108)
501.08
STHIGHA
LARM
501.09
STHIGHC
ANCEL
X: 0.00
ALARMC
ANCEL
233.00
SCADA_
ALRM_C
NCL
501.09
STHIGHC
ANCEL
STERILE TANK HIGH
LEVEL ALARM CANCEL
<501.09>
a1109 b1612 b2026 a2210
b2215
000154
(001114)
401.10
PS14
450.14
SS8
CMP
(20)
X: 112
STLEVE
L
#6
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1091 c1097 c1128
c1303 c1309 c1833
[OP2]
255.06
EQUALS
255.07
LESS_TH
AN
501.06
STLOWA
LARM
STERILE TANK LOW
LEVEL ALARM <6%
<501.06>
a1123 a1614 a1636 a2028
a2212 a2437 a2451 a2471
000155
(001121)
401.12
PS15
504.00
STLOWA
LARMLAT
CH
504.01
STLOWL
EVELRES
501.06
STLOWA
LARM
504.00
STLOWA
LARMLAT
CH
STERILE TANK LOW
LEVEL ALARM LATCH
<504.00>
a1122 a1127 a1133
000156
(001127)
504.00
STLOWA
LARMLAT
CH
CMP
(20)
X: 112
STLEVE
L
#8
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1091 c1097 c1116
c1303 c1309 c1833
[OP2]

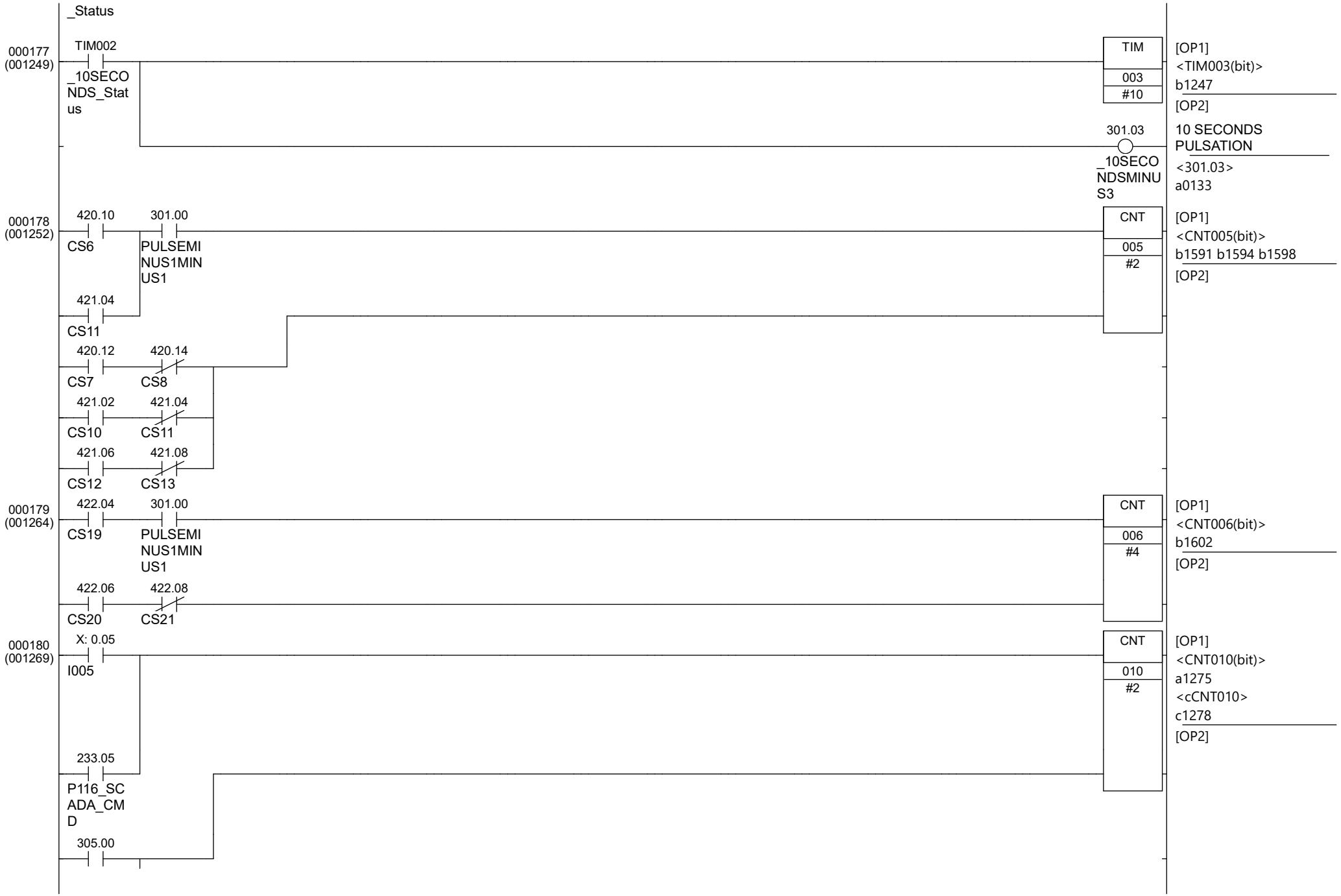
255.06
EQUALS
255.05
GREATE
R_THAN
504.01
STLOWL
EVELRES
STERILE TANK LOW LEVEL ALARM RESET <8%
<504.01>
b1125
000157
(001133)
504.00
STLOWA
LARMLAT
CH
501.07
STLOWA
CK
X: 0.00
ALARMC
ANCEL
233.00
SCADA_
ALRM_C
NCL
501.07
STLOWA
CK
STERILE TANK LOW LEVEL ALARM CANCEL
<501.07>
a1134 b1615 b2029 a2211
b2213
000158
(001139)
400.12
PS7
X: 0.12
I012
502.00
HIGHPRE
SSW
HIGH PRESSURE SWITCH ALARM
<502.00>
a1142 b1344 b1355 a1617
a1637 a2031 a2250 a2439
a2475
000159
(001142)
502.00
HIGHPRE
SSW
502.01
PRESWA
K
X: 0.00
ALARMC
ANCEL
233.00
SCADA_
ALRM_C
NCL
502.01
PRESWA
K
PRESURE ALARM ACK
<502.01>
a1143 b1618 b2032 b2251
a2253
000160
(001148)
401.12
PS15
CMP
(20)
X: 101
After_Lo
op
#139
[OP1]
<c101>
c1158 c2564
[OP2]

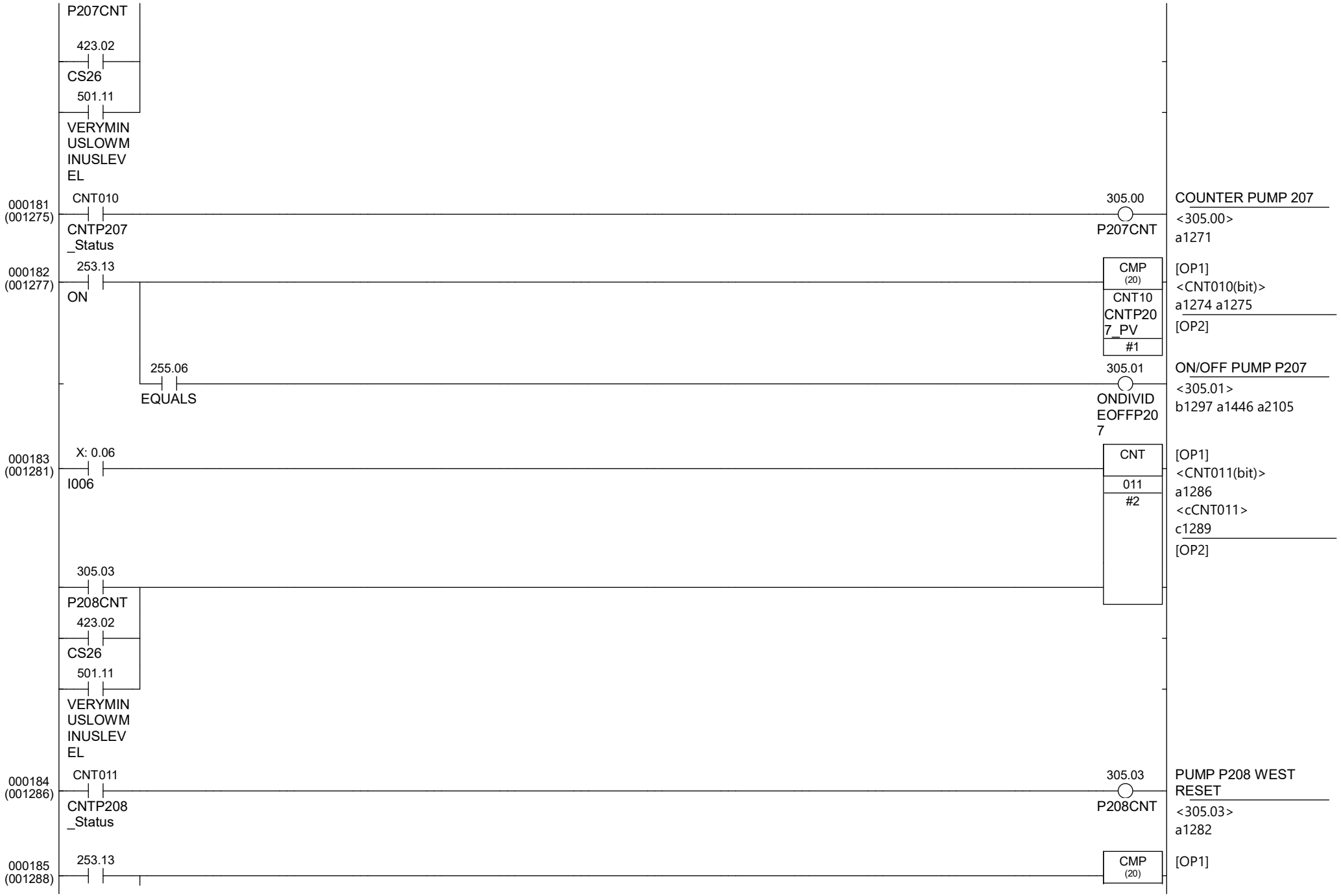

255.06
EQUALS
255.07
LESS_THAN
470.05
<470.05>
a1154 a1177
000161
(001154)
470.05
TIM
015
#6000
[OP1]
<TIM015(bit)>
a1178
[OP2]
000162
(001156)
401.12
PS15
CMP
(20)
X: 101
After_Loop
#139
[OP1]
<c101>
c1149 c2564
[OP2]
255.06
EQUALS
450.04
SS3
420.00
CS1
470.12
AfterLoop
LESSTHAN140
After loop temp <140c
<470.12>
a1173 a1180
255.07
LESS_THAN
CMP
(20)
DM500
Before_loop
#139
[OP1]
<cDM0500>
c0063 c2579 c2585 c2810
[OP2]
255.06
EQUALS
450.04
SS3
420.00
CS1
470.14
BeforeLoopLESSTHAN140
Before loop temp <140c
<470.14>
a1174 a1181
255.07
LESS_THAN
000163
(001173)
470.12
AfterLoop
LESSTHAN140
470.14
BeforeLoopLESSTHAN140
TIM
016
#10
[OP1]
<TIM016(bit)>
a1183
[OP2]

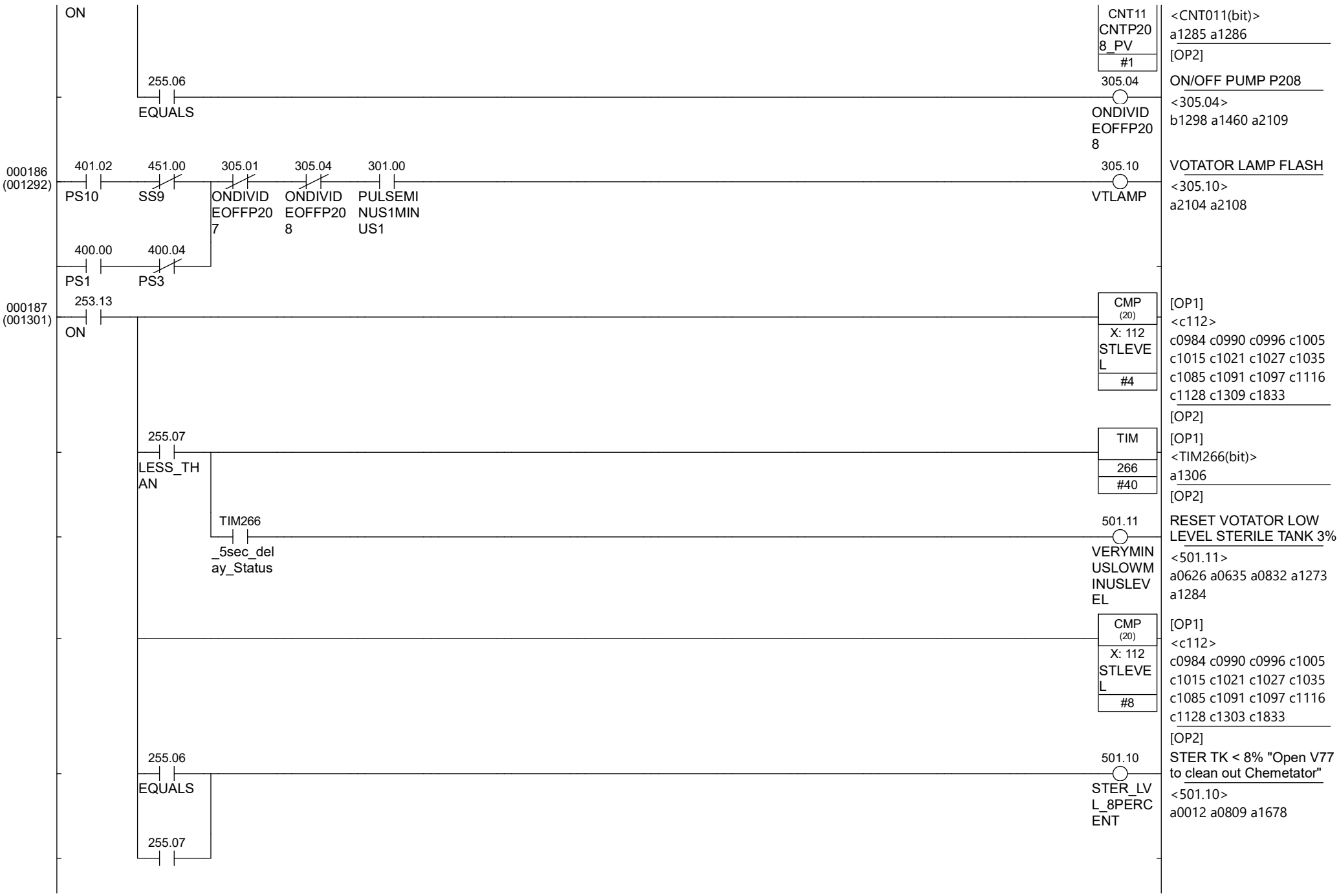

000164
(001176)
401.12
PS15
470.05
TIM015
TIM257
SS6ATIMER_Status
450.04
SS3
401.12
PS15
470.12
AfterLoopLESSTHAN140
TIM016
470.14
BeforeLoopLESSTHAN140
502.04
LOWTEMPALARM
LOW TEMP. ALARM
<502.04>
a0124 b0129 a1188 a1620 a1638 a2034 a2244 a2431
000165
(001188)
502.04
LOWTEMPALARM
X: 0.00
ALARMCANCEL
502.05
LOWTEMPACK
233.00
SCADA_ALRM_CNCL
502.05
LOWTEMPACK
LOW TEMPERATURE ALARM ACKNOWLEDGE
<502.05>
a1190 b1621 b2035 b2245 a2247
000166
(001194)
401.12
PS15
CMP
(20)
DM520
SEP_LEVEL
#100
[OP1]
<cDM0520>
c0042 c0106 c0765 c2114 c2124 c2132 c2139 c2829 c2846 c2850 c2852 c2854
[OP2]
255.06
EQUALS
255.07
LESS_THAN
470.06
<470.06>
a1201
000167
(001200)
401.12
PS15
470.06
450.14
SS8
502.08
SEPLEVELALARM
SEPARATOR LEVEL ALARM
<502.08>
a1204 a1623 a1639 a2037 a2204 a2449
000168
(001204)
502.08
X: 0.00
502.09
SEPARATOR LEVEL ALARM ACK.

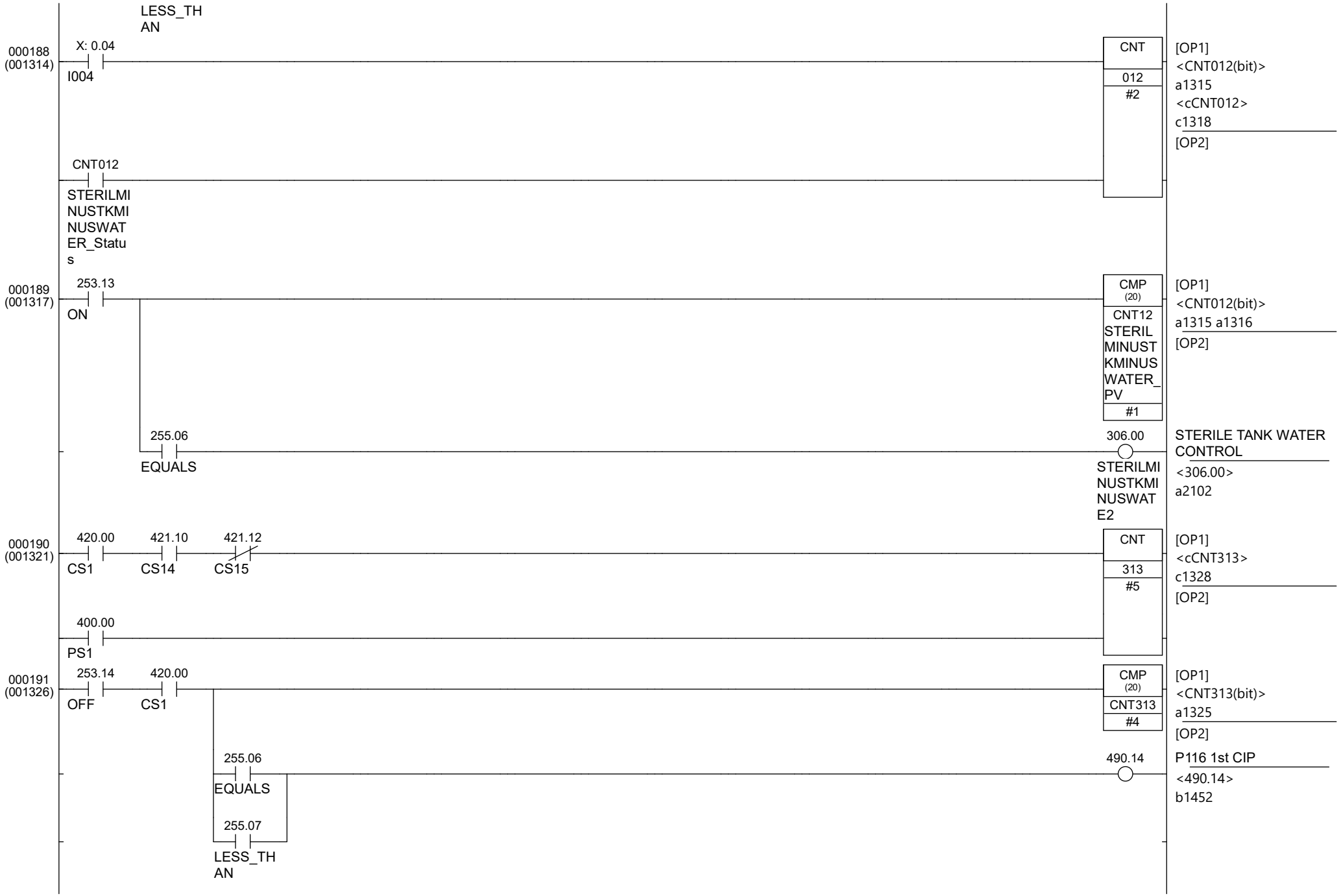

SEPLEVELALARM
ALARMCANCEL
502.09
SEPALARMACK
233.00
SCADA_ALRM_CNCL
SEPALARMACK
<502.09>
a1206 b1624 b2038 b2205 a2207
000169
(001210)
400.08
PS5
CMP
(20)
DM510
VACUUM
#300
[OP1]
<cDM0510>
c0028 c2147 c2819
[OP2]
255.06
EQUALS
255.07
LESS_THAN
470.07
<470.07>
a1217
000170
(001216)
400.08
PS5
470.07
TIM257
SS6ATIMER_Status
450.04
SS3
502.12
VACUUMALARM
LOW VACUUM ALARM
<502.12>
a1221 a1626 a1640 a2040 a2443 a2469
000171
(001221)
502.12
VACUUMALARM
X: 0.00
ALARMCANCEL
502.13
VACUUMALARACK
233.00
SCADA_ALRM_CNCL
502.13
VACUUMALARACK
VACUUM ALARM ACK.
<502.13>
a1223 b1627 b2041
000172
(001227)
400.00
PS1
X: 1.05
I105_P118_fault
253.14
OFF
503.00
VSDALARM
VSD ALARM
<503.00>
a1236 a1629 a1641 a2043 a2221

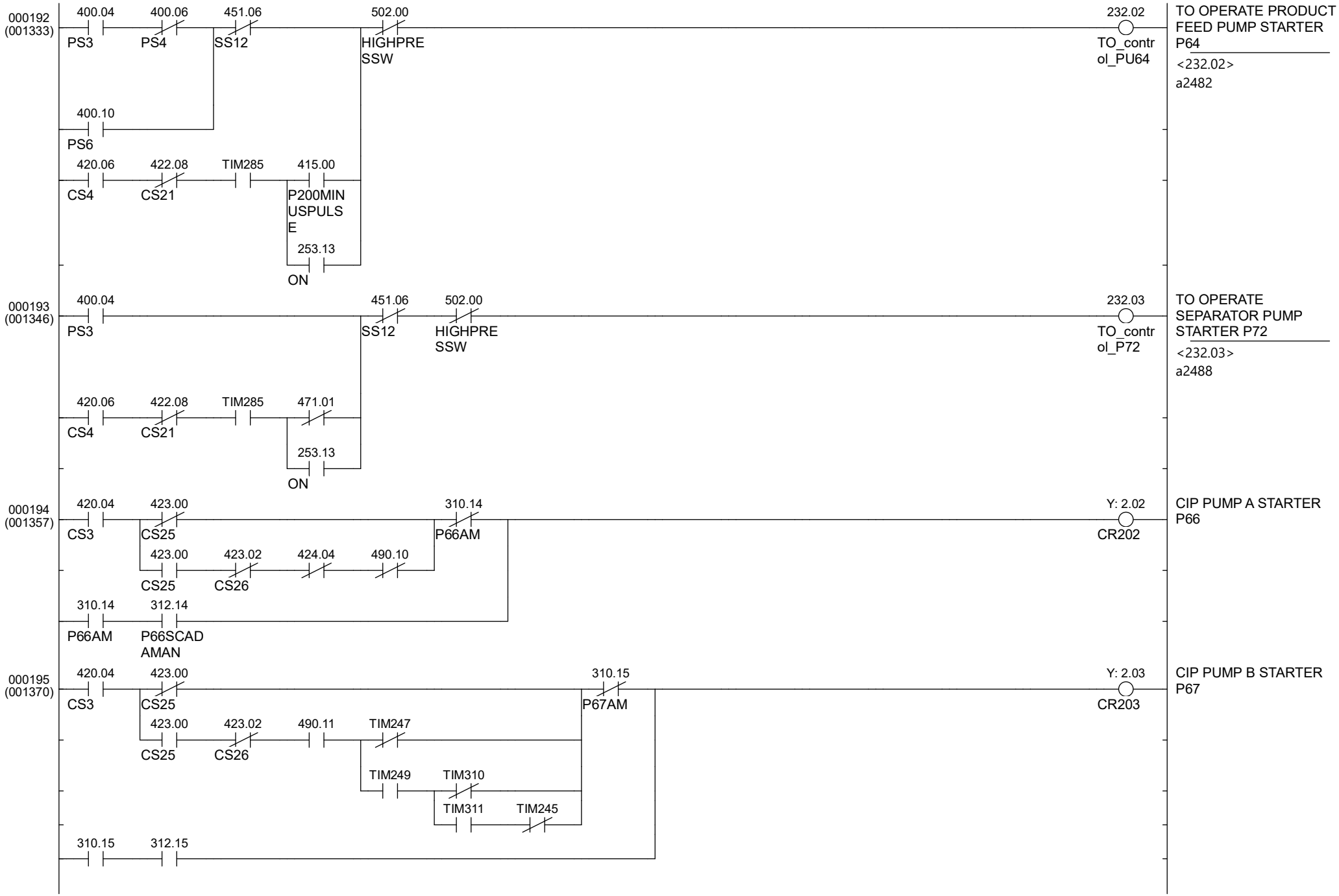

X: 1.04
I104_P116_fault
X: 1.03
I103
X: 1.02
I102
X: 1.01
I101
000173
(001236)
503.00
VSDALARM
X: 0.00
ALARMCANCEL
503.01
VSDALARMACK
503.01
VSDALARMACK
233.00
SCADA_ALRM_CNCL
VSD ALARM ACKNOWLEDGE
<503.01>
a1238 b1630 b2044 b2222 a2224
000174
(001242)
TIM001
TIMER1_Status
TIM
000
#10
[OP1]
<TIM000(bit)>
a1244
[OP2]
000175
(001244)
TIM000
TIMER0_Status
TIM
001
#10
[OP1]
<TIM001(bit)>
b1242
[OP2]
301.00
PULSEMINUS1MINUS1
PULSATION 1 SEC. ON 1 SEC. OFF
<301.00>
a1254 a1265 a1299 a1604 a2046 a2052 a2078 a2153 a2162 a2168 a2184 a2199 a2206 a2217 a2223 a2229 a2246 a2252
000176
(001247)
TIM003
_1MINUSSECONDSMINUS2
TIM
002
#100
[OP1]
<TIM002(bit)>
a1249
[OP2]

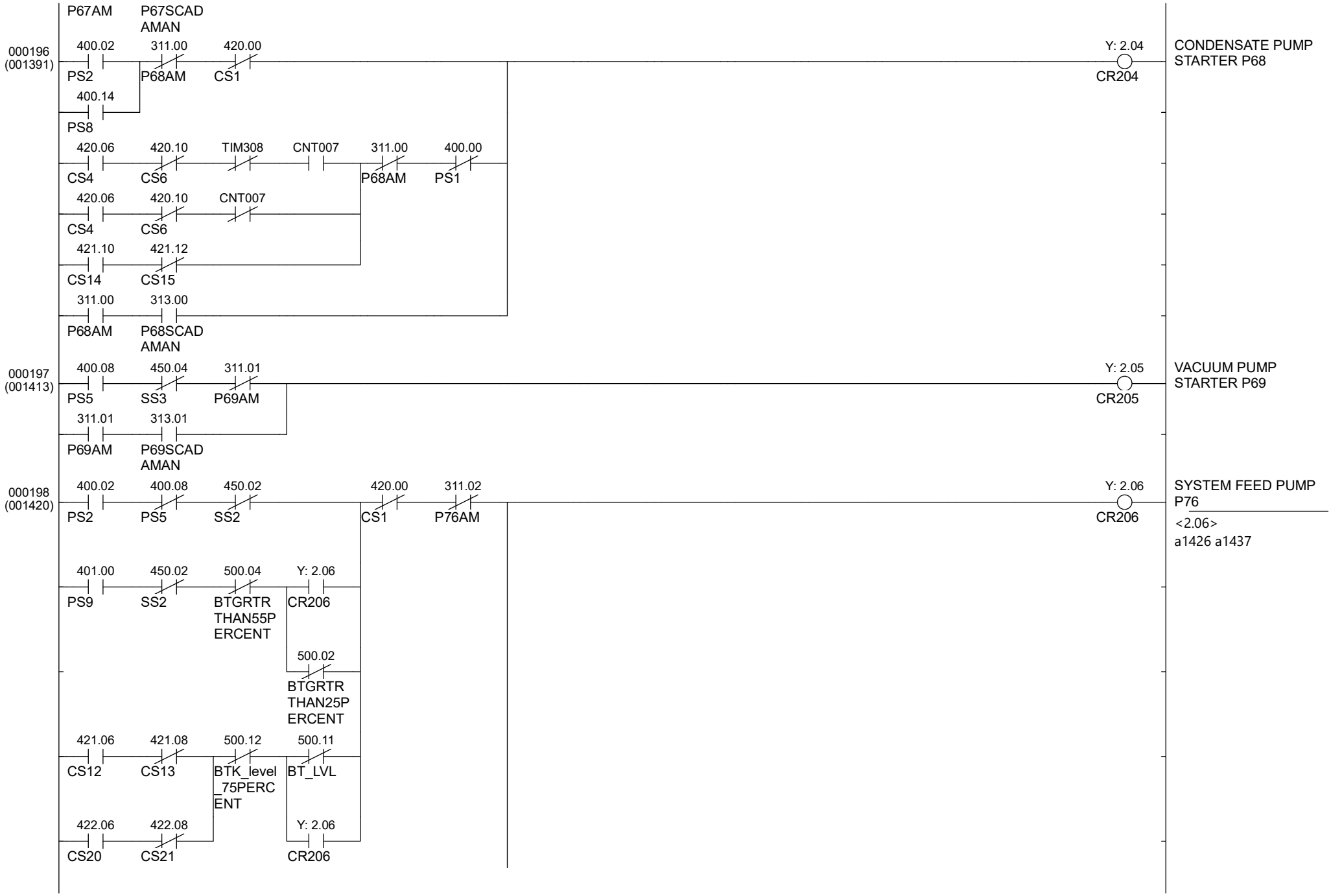

_Status
000177
(001249)
TIM002
_10SECONDS_Status
TIM
003
#10
[OP1]
<TIM003(bit)>
b1247
[OP2]
301.03
_10SECONDSMINUS3
10 SECONDS PULSATION
<301.03>
a0133
000178
(001252)
420.10
CS6
301.00
PULSEMINUS1MINUS1
421.04
CS11
CNT
005
#2
[OP1]
<CNT005(bit)>
b1591 b1594 b1598
[OP2]
420.12
CS7
420.14
CS8
421.02
CS10
421.04
CS11
421.06
CS12
421.08
CS13
000179
(001264)
422.04
CS19
301.00
PULSEMINUS1MINUS1
422.06
CS20
422.08
CS21
CNT
006
#4
[OP1]
<CNT006(bit)>
b1602
[OP2]
000180
(001269)
X: 0.05
I005
233.05
P116_SCADA_CMD
305.00
CNT
010
#2
[OP1]
<CNT010(bit)>
a1275
<cCNT010>
c1278
[OP2]

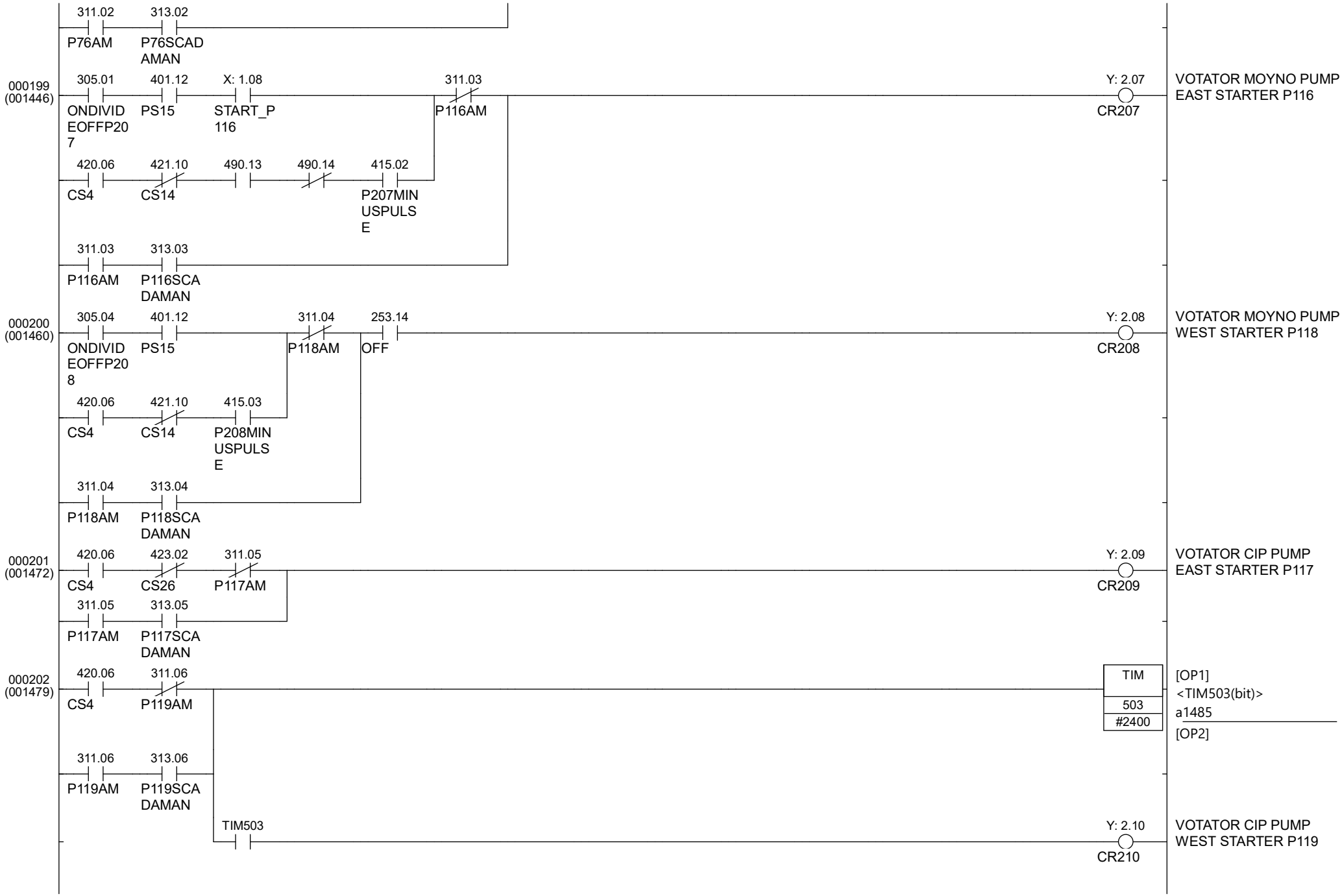

P207CNT
423.02
CS26
501.11
VERYMIN
USLOWM
INUSLEV
EL
000181
(001275)
CNT010
CNTP207
_Status
305.00
P207CNT
COUNTER PUMP 207
<305.00>
a1271
000182
(001277)
253.13
ON
CMP
(20)
CNT10
CNTP20
7_PV
#1
[OP1]
<CNT010(bit)>
a1274 a1275
[OP2]
255.06
EQUALS
305.01
ONDIVID
EOFFP20
7
ON/OFF PUMP P207
<305.01>
b1297 a1446 a2105
000183
(001281)
X: 0.06
I006
CNT
011
#2
[OP1]
<CNT011(bit)>
a1286
<cCNT011>
c1289
[OP2]
305.03
P208CNT
423.02
CS26
501.11
VERYMIN
USLOWM
INUSLEV
EL
000184
(001286)
CNT011
CNTP208
_Status
305.03
P208CNT
PUMP P208 WEST
RESET
<305.03>
a1282
000185
(001288)
253.13
CMP
(20)
[OP1]

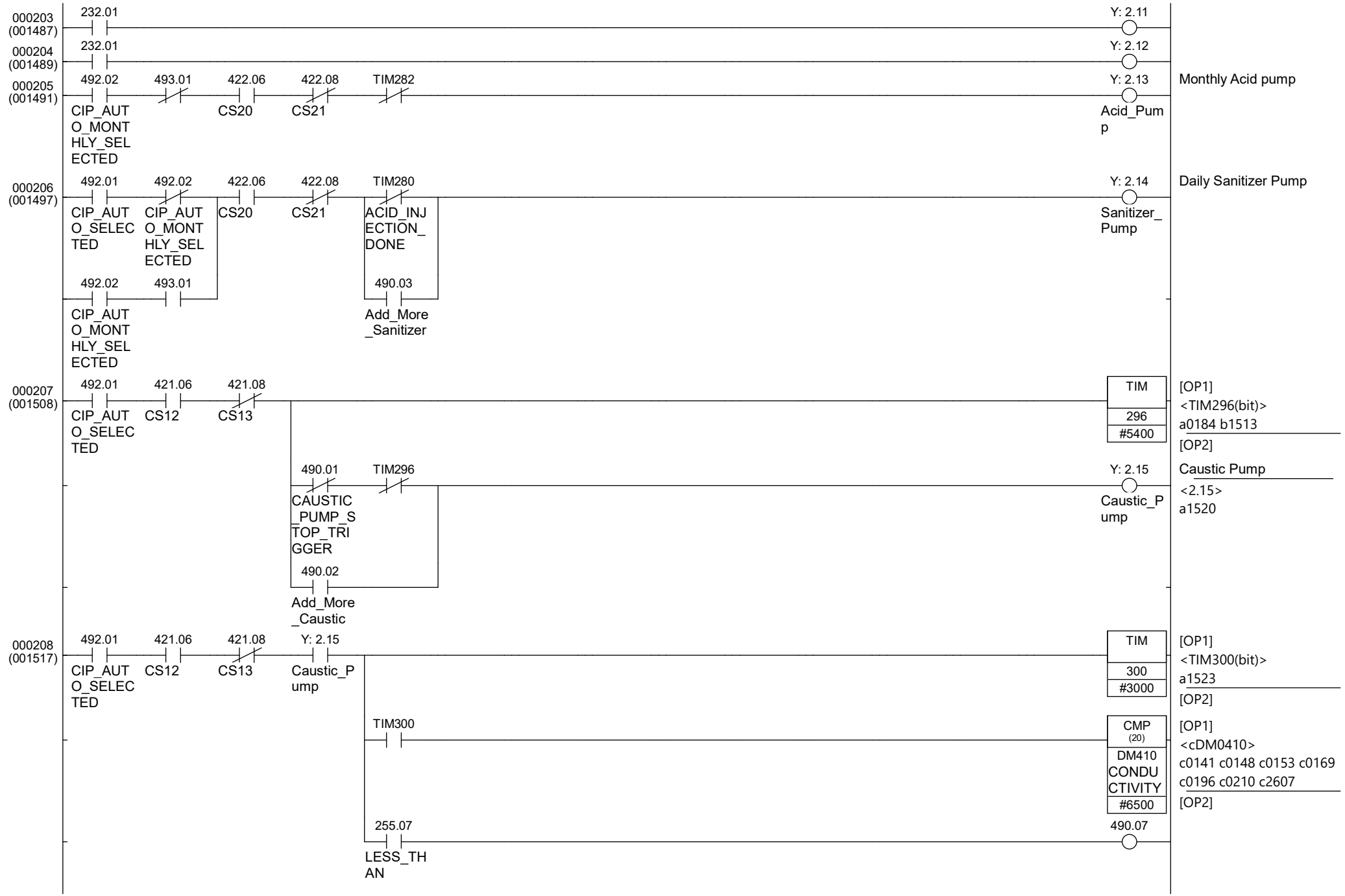

ON
255.06
EQUALS
CNT11
CNTP208_PV
#1
305.04
ONDIVIDEOFFP208
<CNT011(bit)>
a1285 a1286
[OP2]
ON/OFF PUMP P208
<305.04>
b1298 a1460 a2109
000186
(001292)
401.02
PS10
451.00
SS9
305.01
ONDIVIDEOFFP207
305.04
ONDIVIDEOFFP208
301.00
PULSEMINUS1MINUS1
400.00
PS1
400.04
PS3
305.10
VTLAMP
VOTATOR LAMP FLASH
<305.10>
a2104 a2108
000187
(001301)
253.13
ON
CMP
(20)
X: 112
STLEVEL
#4
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1091 c1097 c1116
c1128 c1309 c1833
[OP2]
255.07
LESS_THAN
TIM
266
#40
[OP1]
<TIM266(bit)>
a1306
[OP2]
TIM266
_5sec_delay_Status
501.11
VERYMINUSLOWMINUSLEVEL
RESET VOTATOR LOW LEVEL STERILE TANK 3%
<501.11>
a0626 a0635 a0832 a1273
a1284
CMP
(20)
X: 112
STLEVEL
#8
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1091 c1097 c1116
c1128 c1303 c1833
[OP2]
255.06
EQUALS
255.07
501.10
STER_LVL_8PERCENT
STER TK < 8% "Open V77 to clean out Chemetator"
<501.10>
a0012 a0809 a1678

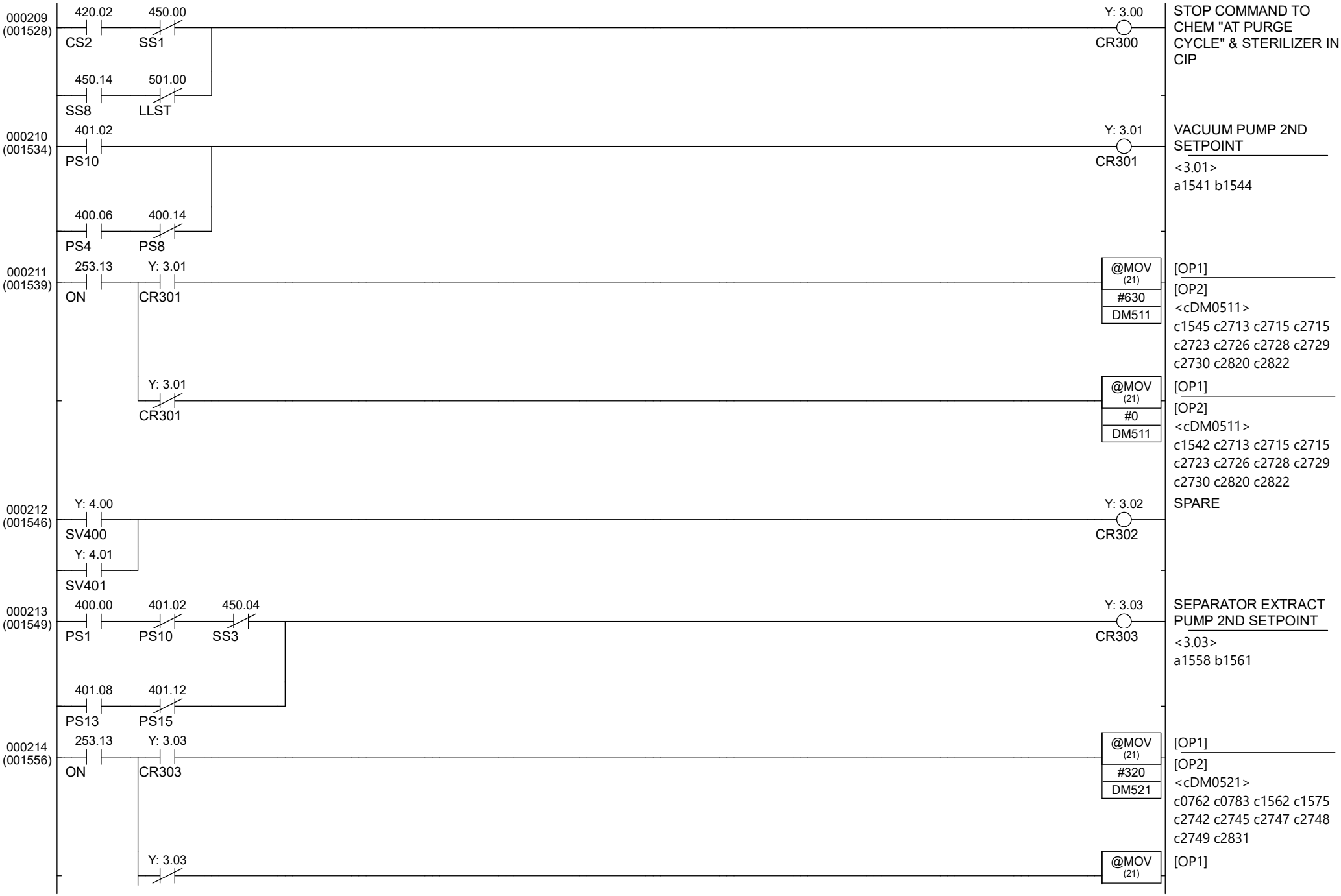

LESS_TH
AN
000188
(001314)
X: 0.04
I004
CNT
012
#2
[OP1]
<CNT012(bit)>
a1315
<cCNT012>
c1318
[OP2]
CNT012
STERILMI
NUSTKMI
NUSWAT
ER_Statu
s
000189
(001317)
253.13
ON
CMP
(20)
CNT12
STERIL
MINUST
KMINUS
WATER_
PV
#1
[OP1]
<CNT012(bit)>
a1315 a1316
[OP2]
255.06
EQUALS
306.00
STERILMI
NUSTKMI
NUSWAT
E2
STERILE TANK WATER
CONTROL
<306.00>
a2102
000190
(001321)
420.00
CS1
421.10
CS14
421.12
CS15
CNT
313
#5
[OP1]
<cCNT313>
c1328
[OP2]
400.00
PS1
000191
(001326)
253.14
OFF
420.00
CS1
CMP
(20)
CNT313
#4
[OP1]
<CNT313(bit)>
a1325
[OP2]
255.06
EQUALS
490.14
P116 1st CIP
<490.14>
b1452
255.07
LESS_TH
AN


000192
(001333)
400.04
PS3
400.06
PS4
451.06
SS12
502.00
HIGHPRE
SSW
232.02
TO_contr
ol_PU64
TO OPERATE PRODUCT
FEED PUMP STARTER
P64
<232.02>
a2482
400.10
PS6
420.06
CS4
422.08
CS21
TIM285
415.00
P200MIN
USPULS
E
253.13
ON
000193
(001346)
400.04
PS3
451.06
SS12
502.00
HIGHPRE
SSW
232.03
TO_contr
ol_P72
TO OPERATE
SEPARATOR PUMP
STARTER P72
<232.03>
a2488
420.06
CS4
422.08
CS21
TIM285
471.01
253.13
ON
000194
(001357)
420.04
CS3
423.00
CS25
310.14
P66AM
Y: 2.02
CR202
CIP PUMP A STARTER
P66
423.00
CS25
423.02
CS26
424.04
490.10
310.14
P66AM
312.14
P66SCAD
AMAN
000195
(001370)
420.04
CS3
423.00
CS25
310.15
P67AM
Y: 2.03
CR203
CIP PUMP B STARTER
P67
423.00
CS25
423.02
CS26
490.11
TIM247
TIM249
TIM310
TIM311
TIM245
310.15
312.15

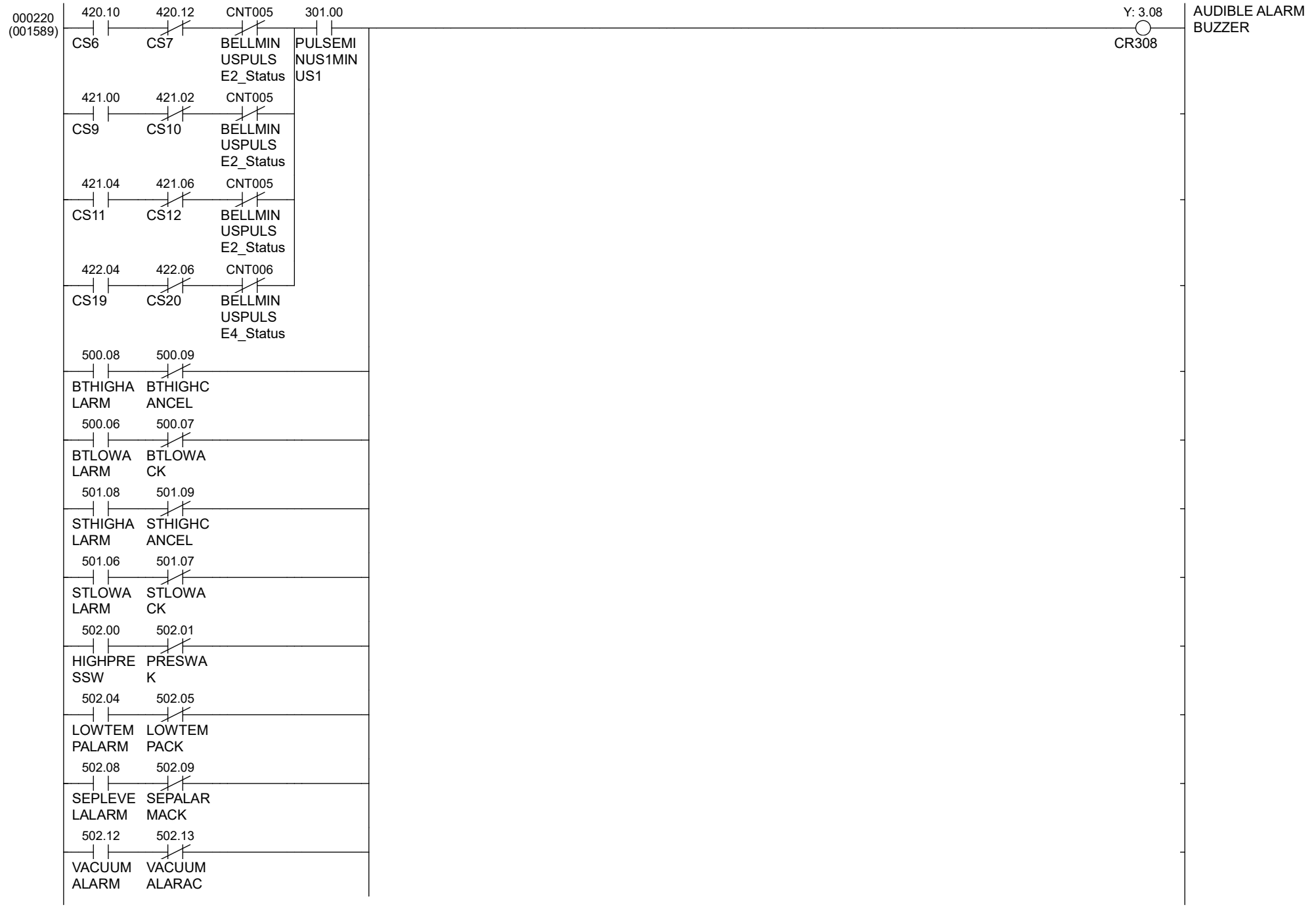

P67AM
P67SCAD AMAN
000196 (001391)
400.02
311.00
420.00
PS2
P68AM
CS1
400.14
PS8
420.06
420.10
TIM308
CNT007
311.00
400.00
CS4
CS6
P68AM
PS1
420.06
420.10
CNT007
CS4
CS6
421.10
421.12
CS14
CS15
311.00
313.00
P68AM
P68SCAD AMAN
Y: 2.04
CR204
CONDENSATE PUMP STARTER P68
000197 (001413)
400.08
450.04
311.01
PS5
SS3
P69AM
311.01
313.01
P69AM
P69SCAD AMAN
Y: 2.05
CR205
VACUUM PUMP STARTER P69
000198 (001420)
400.02
400.08
450.02
420.00
311.02
PS2
PS5
SS2
CS1
P76AM
401.00
450.02
500.04
Y: 2.06
PS9
SS2
BTGRTR THAN55P ERCENT
CR206
500.02
BTGRTR THAN25P ERCENT
421.06
421.08
500.12
500.11
CS12
CS13
BTK_level_75PERCENT
BT_LVL
422.06
422.08
Y: 2.06
CS20
CS21
CR206
Y: 2.06
CR206
SYSTEM FEED PUMP P76
<2.06>
a1426 a1437

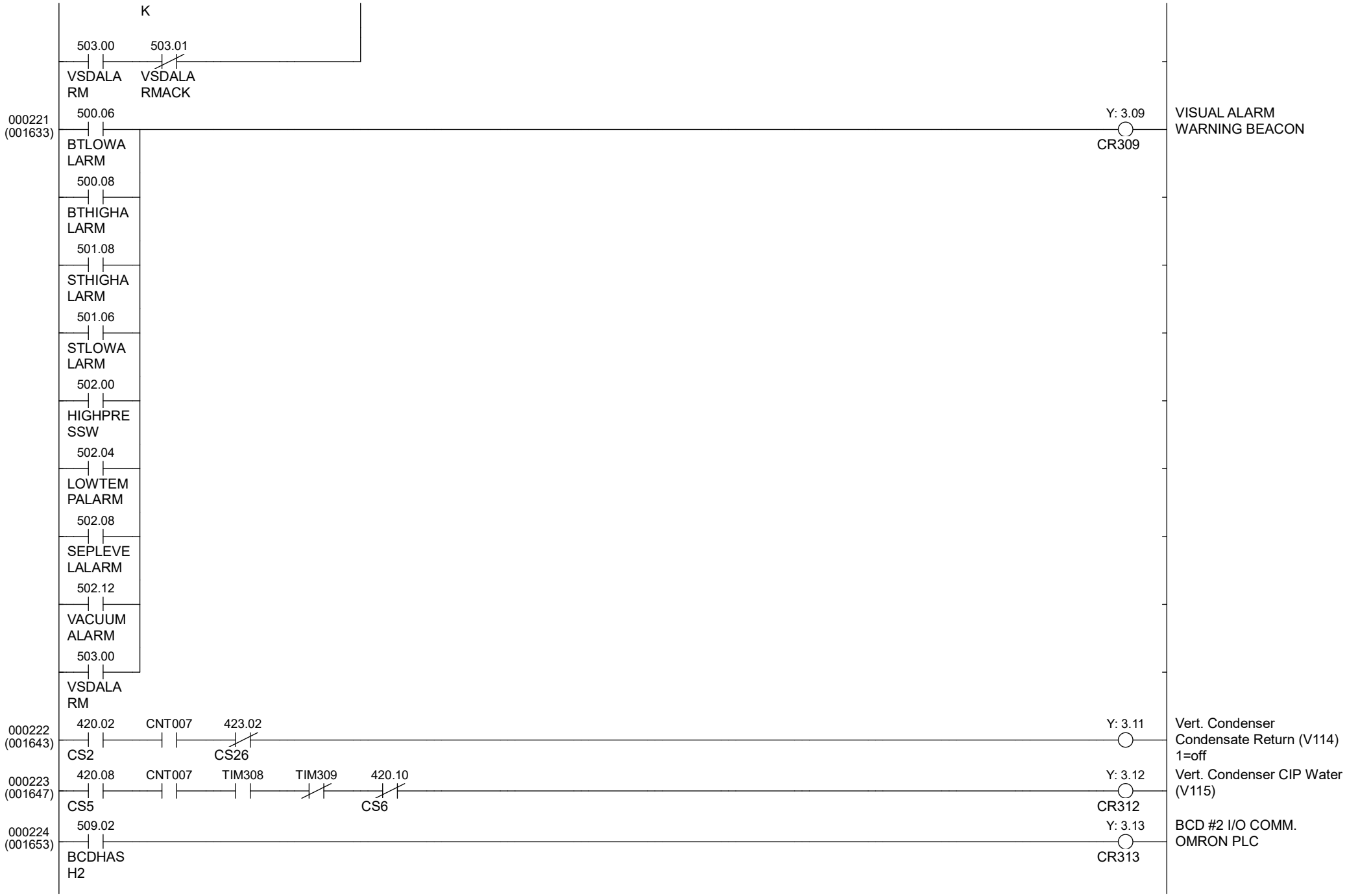

311.02
313.02
P76AM
P76SCADAMAN
000199
(001446)
305.01
401.12
X: 1.08
311.03
ONDIVIDEOFFP207
PS15
START_P116
P116AM
Y: 2.07
CR207
VOTATOR MOYNO PUMP EAST STARTER P116
420.06
421.10
490.13
490.14
415.02
CS4
CS14
P207MINUSPULSE
311.03
313.03
P116AM
P116SCADAMAN
000200
(001460)
305.04
401.12
311.04
253.14
ONDIVIDEOFFP208
PS15
P118AM
OFF
Y: 2.08
CR208
VOTATOR MOYNO PUMP WEST STARTER P118
420.06
421.10
415.03
CS4
CS14
P208MINUSPULSE
311.04
313.04
P118AM
P118SCADAMAN
000201
(001472)
420.06
423.02
311.05
CS4
CS26
P117AM
Y: 2.09
CR209
VOTATOR CIP PUMP EAST STARTER P117
311.05
313.05
P117AM
P117SCADAMAN
000202
(001479)
420.06
311.06
CS4
P119AM
TIM
503
#2400
[OP1]
<TIM503(bit)>
a1485
[OP2]
311.06
313.06
P119AM
P119SCADAMAN
TIM503
Y: 2.10
CR210
VOTATOR CIP PUMP WEST STARTER P119

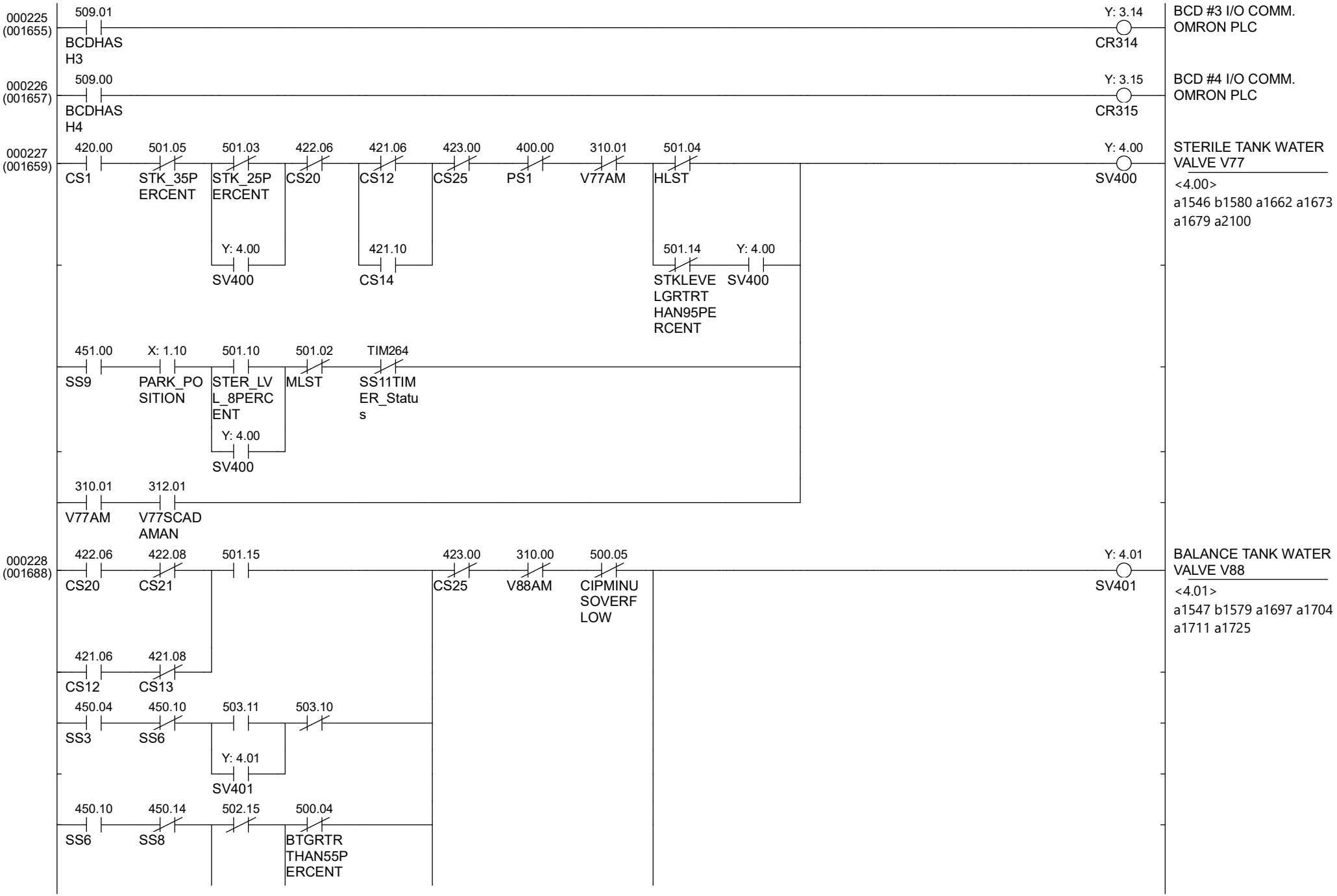

000203
(001487)
232.01
Y: 2.11
000204
(001489)
232.01
Y: 2.12
000205
(001491)
492.02
CIP_AUTO_MONTHLY_SELECTED
493.01
422.06
CS20
422.08
CS21
TIM282
Y: 2.13
Acid_Pump
Monthly Acid pump
000206
(001497)
492.01
CIP_AUTO_SELECTED
492.02
CIP_AUTO_MONTHLY_SELECTED
422.06
CS20
422.08
CS21
TIM280
ACID_INJECTION_DONE
Y: 2.14
Sanitizer_Pump
Daily Sanitizer Pump
492.02
CIP_AUTO_MONTHLY_SELECTED
493.01
490.03
Add_More_Sanitizer
000207
(001508)
492.01
CIP_AUTO_SELECTED
421.06
CS12
421.08
CS13
TIM
296
#5400
[OP1]
<TIM296(bit)>
a0184 b1513
[OP2]
490.01
CAUSTIC_PUMP_STOP_TRIGGER
TIM296
Y: 2.15
Caustic_Pump
Caustic Pump
<2.15>
a1520
490.02
Add_More_Caustic
000208
(001517)
492.01
CIP_AUTO_SELECTED
421.06
CS12
421.08
CS13
Y: 2.15
Caustic_Pump
TIM
300
#3000
[OP1]
<TIM300(bit)>
a1523
[OP2]
TIM300
CMP
(20)
DM410
CONDUCTIVITY
#6500
[OP1]
<cDM0410>
c0141 c0148 c0153 c0169
c0196 c0210 c2607
[OP2]
255.07
LESS_THAN
490.07


000209
(001528)
420.02
CS2
450.00
SS1
450.14
SS8
501.00
LLST
Y: 3.00
CR300
STOP COMMAND TO CHEM "AT PURGE CYCLE" & STERILIZER IN CIP
000210
(001534)
401.02
PS10
400.06
PS4
400.14
PS8
Y: 3.01
CR301
VACUUM PUMP 2ND SETPOINT
<3.01>
a1541 b1544
000211
(001539)
253.13
ON
Y: 3.01
CR301
@MOV
(21)
#630
DM511
[OP1]
[OP2]
<cDM0511>
c1545 c2713 c2715 c2715
c2723 c2726 c2728 c2729
c2730 c2820 c2822
Y: 3.01
CR301
@MOV
(21)
#0
DM511
[OP1]
[OP2]
<cDM0511>
c1542 c2713 c2715 c2715
c2723 c2726 c2728 c2729
c2730 c2820 c2822
000212
(001546)
Y: 4.00
SV400
Y: 4.01
SV401
Y: 3.02
CR302
SPARE
000213
(001549)
400.00
PS1
401.02
PS10
450.04
SS3
401.08
PS13
401.12
PS15
Y: 3.03
CR303
SEPARATOR EXTRACT PUMP 2ND SETPOINT
<3.03>
a1558 b1561
000214
(001556)
253.13
ON
Y: 3.03
CR303
@MOV
(21)
#320
DM521
[OP1]
[OP2]
<cDM0521>
c0762 c0783 c1562 c1575
c2742 c2745 c2747 c2748
c2749 c2831
Y: 3.03
@MOV
(21)
[OP1]

CR303
#350
DM521
[OP2]
<cDM0521>
c0762 c0783 c1559 c1575
c2742 c2745 c2747 c2748
c2749 c2831
400.00
PS1
@MOV
(21)
#200
DM531
[OP1]
[OP2]
<cDM0531>
c1568 c2761 c2764 c2766
c2767 c2768 c2840
470.08
SEP_HI_L
EVEL
MOV
(21)
#140
DM531
[OP1]
[OP2]
<cDM0531>
c1565 c2761 c2764 c2766
c2767 c2768 c2840
000215
(001569)
420.02
CS2
Y: 3.04
CR304
HOT WATER 2ND
SETPOINT
<3.04>
a1573 b1577
000216
(001571)
253.13
ON
Y: 3.04
CR304
@MOV
(21)
#95
DM501
[OP1]
[OP2]
<cDM0501>
c1578 c2699 c2702 c2704
c2705 c2706 c2812
@MOV
(21)
#50
DM521
[OP1]
[OP2]
<cDM0521>
c0762 c0783 c1559 c1562
c2742 c2745 c2747 c2748
c2749 c2831
Y: 3.04
CR304
@MOV
(21)
#145
DM501
[OP1]
[OP2]
<cDM0501>
c1574 c2699 c2702 c2704
c2705 c2706 c2812
000217
(001579)
Y: 4.01
SV401
Y: 4.00
SV400
Y: 3.05
000218
(001582)
420.02
CS2
423.02
CS26
CNT007
Y: 3.06
Vert. Condenser Cooling
Water (V116) 1=off
000219
(001586)
421.06
CS12
421.10
CS14
Y: 3.07
CR307
to P117 controller to
change speed durring
caustic rinse (step-3)


000220
(001589)
420.10
CS6
420.12
CS7
CNT005
BELLMIN
USPULS
E2_Status
301.00
PULSEMI
NUS1MIN
US1
421.00
CS9
421.02
CS10
CNT005
BELLMIN
USPULS
E2_Status
421.04
CS11
421.06
CS12
CNT005
BELLMIN
USPULS
E2_Status
422.04
CS19
422.06
CS20
CNT006
BELLMIN
USPULS
E4_Status
500.08
BTHIGHA
LARM
500.09
BTHIGHC
ANCEL
500.06
BTLOWA
LARM
500.07
BTLOWA
CK
501.08
STHIGHA
LARM
501.09
STHIGHC
ANCEL
501.06
STLOWA
LARM
501.07
STLOWA
CK
502.00
HIGHPRE
SSW
502.01
PRESWA
K
502.04
LOWTEM
PALARM
502.05
LOWTEM
PACK
502.08
SEPLEVE
LALARM
502.09
SEPALAR
MACK
502.12
VACUUM
ALARM
502.13
VACUUM
ALARAC
Y: 3.08
CR308
AUDIBLE ALARM
BUZZER


K
503.00
VSDALA RM
503.01
VSDALA RMACK
000221 (001633)
500.06
BTLOWA LARM
500.08
BTHIGHA LARM
501.08
STHIGHA LARM
501.06
STLOWA LARM
502.00
HIGHPRE SSW
502.04
LOWTEM PALARM
502.08
SEPLEVE LALARM
502.12
VACUUM ALARM
503.00
VSDALA RM
Y: 3.09
CR309
VISUAL ALARM WARNING BEACON
000222 (001643)
420.02
CS2
CNT007
423.02
CS26
Y: 3.11
Vert. Condenser Condensate Return (V114) 1=off
000223 (001647)
420.08
CS5
CNT007
TIM308
TIM309
420.10
CS6
Y: 3.12
CR312
Vert. Condenser CIP Water (V115)
000224 (001653)
509.02
BCDHAS H2
Y: 3.13
CR313
BCD #2 I/O COMM. OMRON PLC


000225
(001655)
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BCDHAS
H3
Y: 3.14
CR314
BCD #3 I/O COMM.
OMRON PLC
000226
(001657)
509.00
BCDHAS
H4
Y: 3.15
CR315
BCD #4 I/O COMM.
OMRON PLC
000227
(001659)
420.00
CS1
501.05
STK_35P
ERCENT
501.03
STK_25P
ERCENT
422.06
CS20
421.06
CS12
423.00
CS25
400.00
PS1
310.01
V77AM
501.04
HLST
Y: 4.00
SV400
STERILE TANK WATER
VALVE V77
<4.00>
a1546 b1580 a1662 a1673
a1679 a2100
Y: 4.00
SV400
421.10
CS14
501.14
STKLEVE
LGRTRT
HAN95PE
RCENT
Y: 4.00
SV400
451.00
SS9
X: 1.10
PARK_PO
SITION
501.10
STER_LV
L_8PERC
ENT
501.02
MLST
TIM264
SS11TIM
ER_Statu
s
Y: 4.00
SV400
310.01
V77AM
312.01
V77SCAD
AMAN
000228
(001688)
422.06
CS20
422.08
CS21
501.15
421.06
CS12
421.08
CS13
423.00
CS25
310.00
V88AM
500.05
CIPMINU
SOVERF
LOW
Y: 4.01
SV401
BALANCE TANK WATER
VALVE V88
<4.01>
a1547 b1579 a1697 a1704
a1711 a1725
450.04
SS3
450.10
SS6
503.11
503.10
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SV401
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SS6
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SS8
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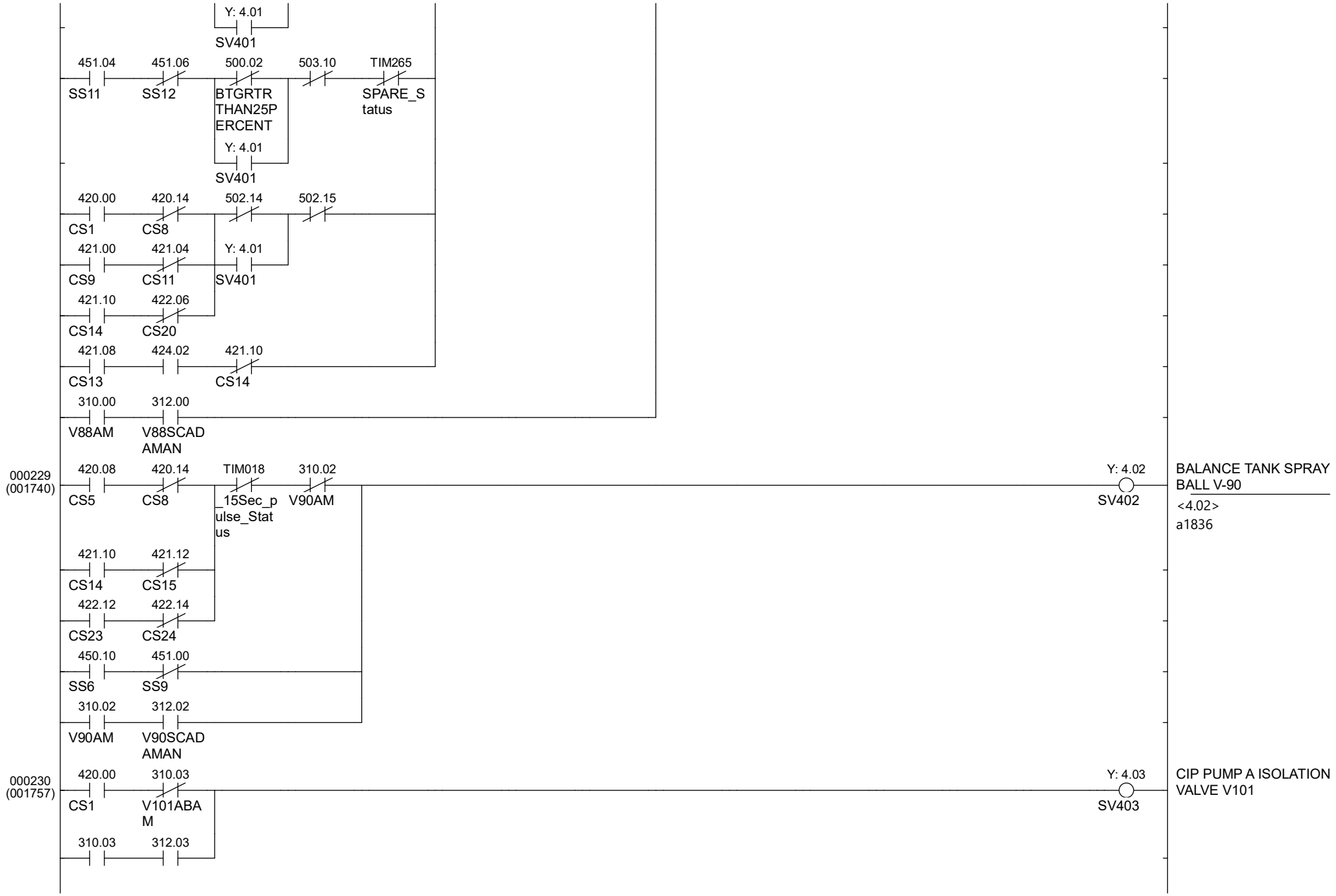
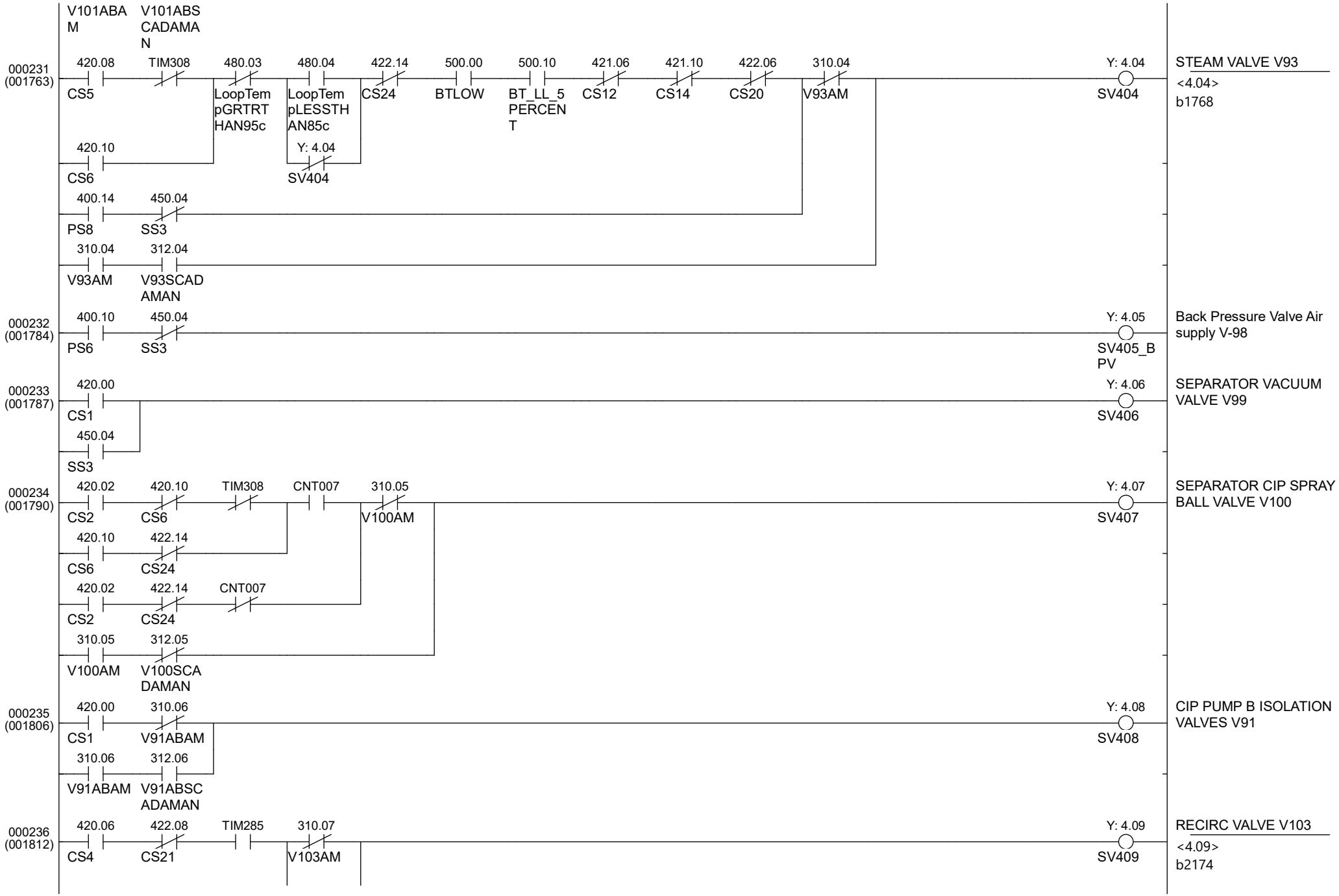
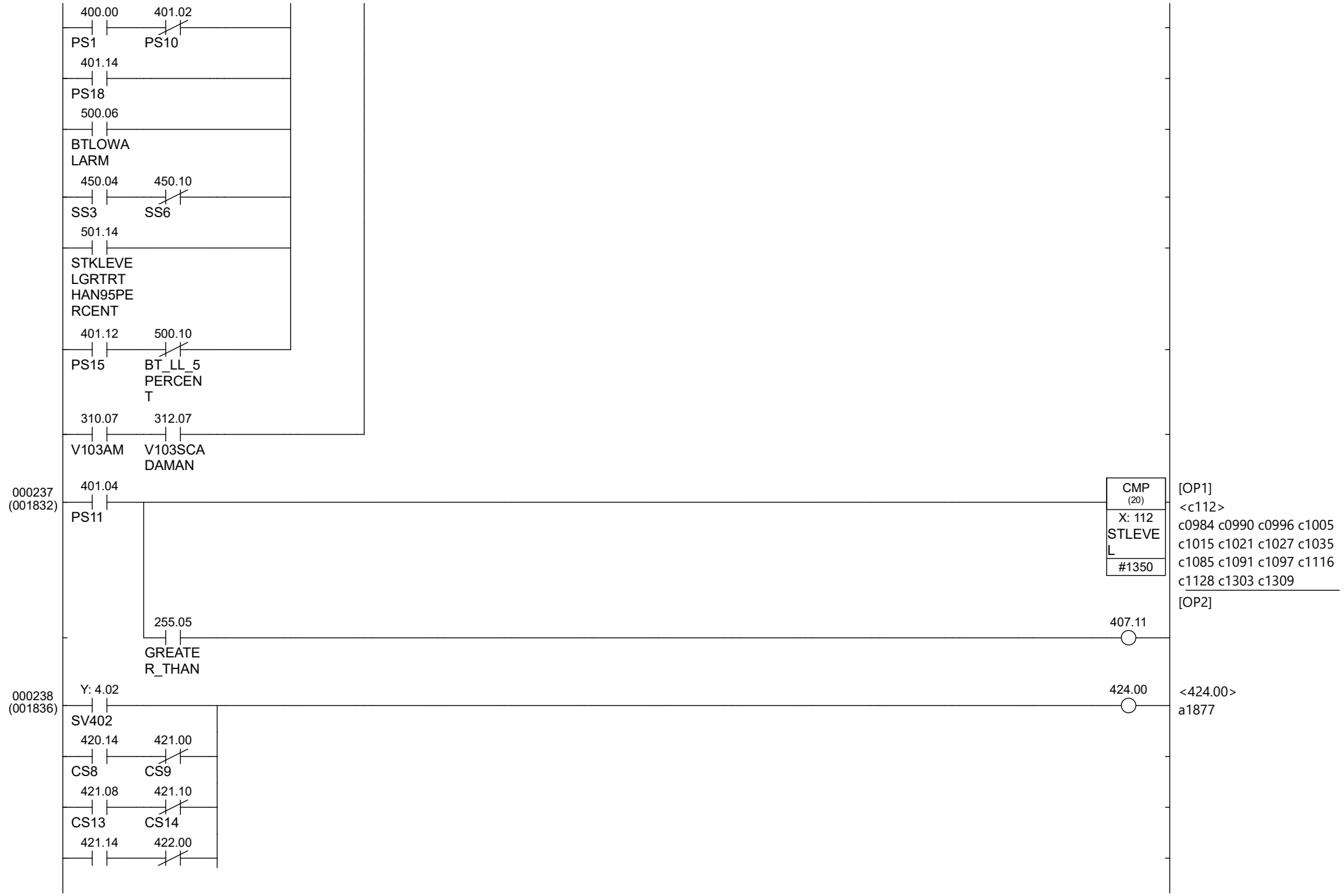
BTGRTR
THAN55P
ERCENT


Y: 4.01
SV401
451.04
SS11
451.06
SS12
500.02
BTGRTR THAN25P ERCENT
503.10
TIM265
SPARE_S tatus
Y: 4.01
SV401
420.00
CS1
420.14
CS8
502.14
502.15
421.00
CS9
421.04
CS11
Y: 4.01
SV401
421.10
CS14
422.06
CS20
421.08
CS13
424.02
421.10
CS14
310.00
V88AM
312.00
V88SCAD AMAN
000229
(001740)
420.08
CS5
420.14
CS8
TIM018
_15Sec_p ulse_Stat us
310.02
V90AM
Y: 4.02
SV402
BALANCE TANK SPRAY BALL V-90
<4.02>
a1836
421.10
CS14
421.12
CS15
422.12
CS23
422.14
CS24
450.10
SS6
451.00
SS9
310.02
V90AM
312.02
V90SCAD AMAN
000230
(001757)
420.00
CS1
310.03
V101ABA M
Y: 4.03
SV403
CIP PUMP A ISOLATION VALVE V101
310.03
312.03


V101ABAM
V101ABSCADAMAN
000231 (001763)
420.08 CS5
TIM308
480.03 LoopTempGRTRTHAN95c
480.04 LoopTempLESSTHAN85c
422.14 CS24
500.00 BTLOW
500.10 BT_LL_5PERCENT
421.06 CS12
421.10 CS14
422.06 CS20
310.04 V93AM
Y: 4.04 SV404
STEAM VALVE V93
<4.04>
b1768
420.10 CS6
Y: 4.04 SV404
400.14 PS8
450.04 SS3
310.04 V93AM
312.04 V93SCADAMAN
000232 (001784)
400.10 PS6
450.04 SS3
Y: 4.05 SV405_BPV
Back Pressure Valve Air supply V-98
000233 (001787)
420.00 CS1
450.04 SS3
Y: 4.06 SV406
SEPARATOR VACUUM VALVE V99
000234 (001790)
420.02 CS2
420.10 CS6
TIM308
CNT007
310.05 V100AM
Y: 4.07 SV407
SEPARATOR CIP SPRAY BALL VALVE V100
420.10 CS6
422.14 CS24
420.02 CS2
422.14 CS24
CNT007
310.05 V100AM
312.05 V100SCADAMAN
000235 (001806)
420.00 CS1
310.06 V91ABAM
Y: 4.08 SV408
CIP PUMP B ISOLATION VALVES V91
310.06 V91ABAM
312.06 V91ABSCADAMAN
000236 (001812)
420.06 CS4
422.08 CS21
TIM285
310.07 V103AM
Y: 4.09 SV409
RECIRC VALVE V103
<4.09>
b2174


400.00
PS1
401.02
PS10
401.14
PS18
500.06
BTLOWA
LARM
450.04
SS3
450.10
SS6
501.14
STKLEVE
LGRTRT
HAN95PE
RCENT
401.12
PS15
500.10
BT_LL_5
PERCEN
T
310.07
V103AM
312.07
V103SCA
DAMAN
000237
(001832)
401.04
PS11
CMP
(20)
X: 112
STLEVE
L
#1350
[OP1]
<c112>
c0984 c0990 c0996 c1005
c1015 c1021 c1027 c1035
c1085 c1091 c1097 c1116
c1128 c1303 c1309
[OP2]
255.05
GREATE
R_THAN
407.11
000238
(001836)
Y: 4.02
SV402
424.00
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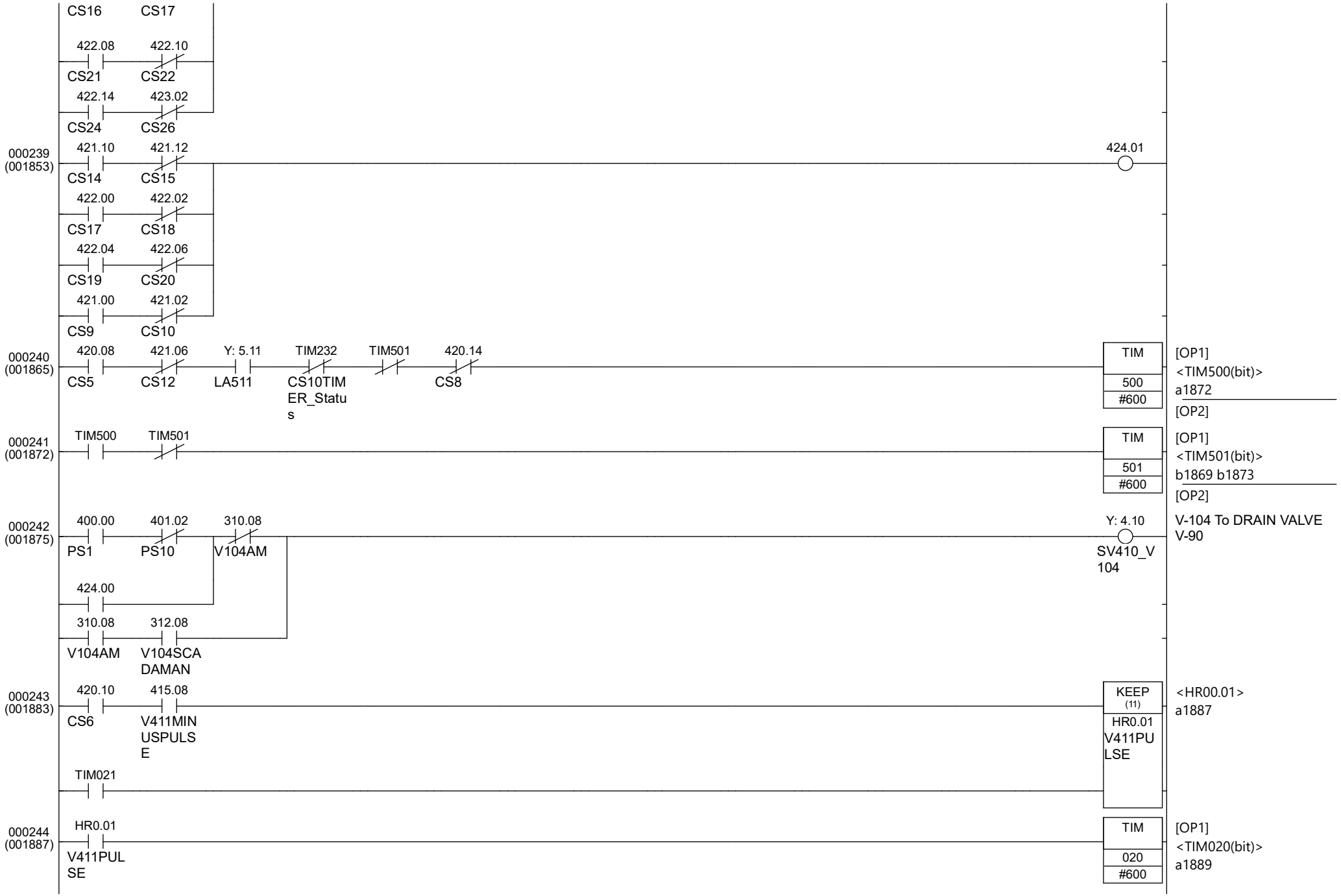
a1877
420.14
CS8
421.00
CS9
421.08
CS13
421.10
CS14
421.14
422.00


CS16
CS17
422.08
422.10
CS21
CS22
422.14
423.02
CS24
CS26
000239
(001853)
421.10
421.12
CS14
CS15
424.01
422.00
422.02
CS17
CS18
422.04
422.06
CS19
CS20
421.00
421.02
CS9
CS10
000240
(001865)
420.08
421.06
Y: 5.11
TIM232
TIM501
420.14
CS5
CS12
LA511
CS10TIMER_Status
CS8
TIM
500
#600
[OP1]
<TIM500(bit)>
a1872
[OP2]
000241
(001872)
TIM500
TIM501
TIM
501
#600
[OP1]
<TIM501(bit)>
b1869 b1873
[OP2]
000242
(001875)
400.00
401.02
310.08
Y: 4.10
PS1
PS10
V104AM
SV410_V104
V-104 To DRAIN VALVE
V-90
424.00
310.08
312.08
V104AM
V104SCADAMAN
000243
(001883)
420.10
415.08
CS6
V411MINUSPULSE
KEEP
(11)
HR0.01
V411PULSE
<HR00.01>
a1887
TIM021
000244
(001887)
HR0.01
V411PULSE
TIM
020
#600
[OP1]
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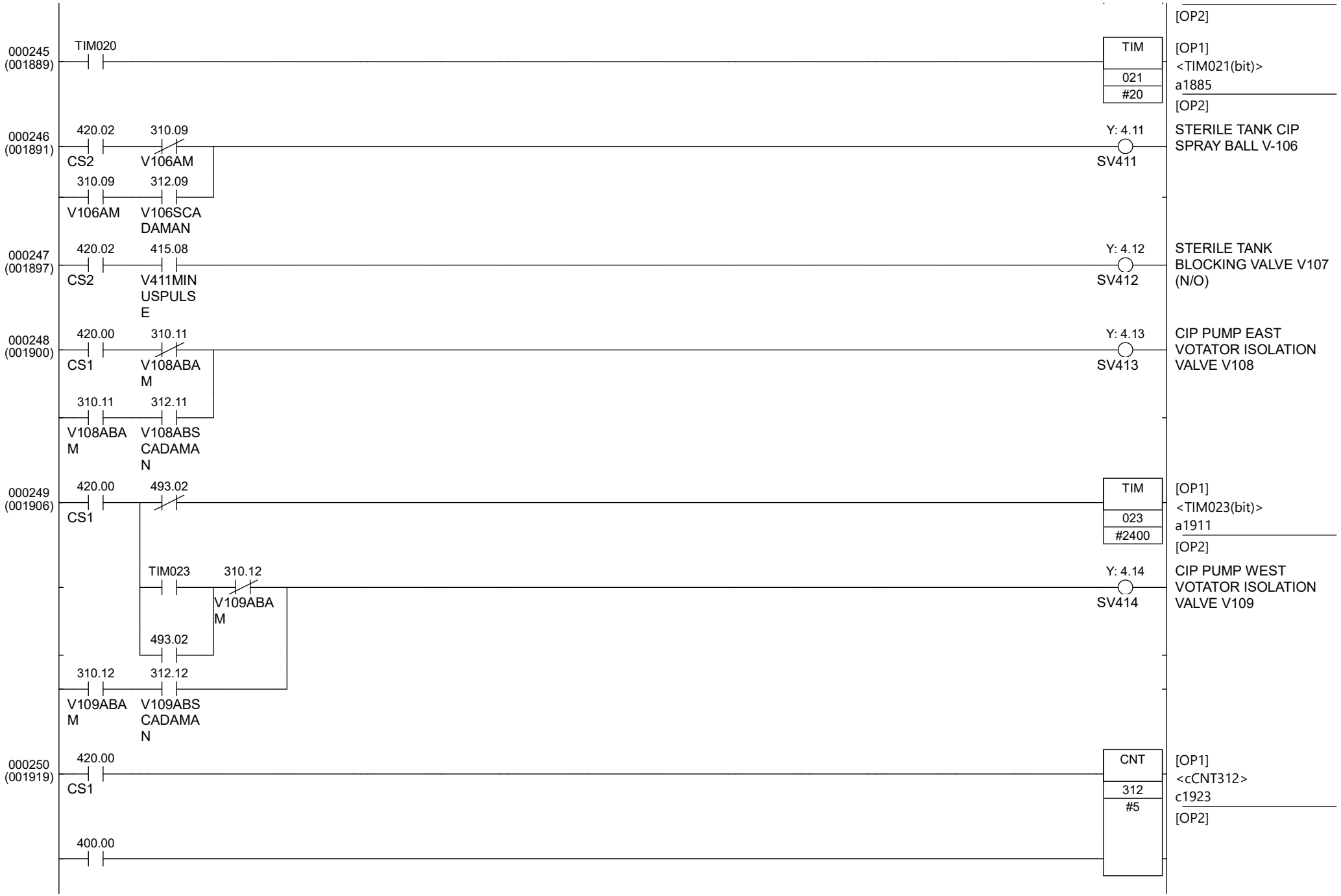
a1889


000245
(001889)
TIM020
TIM
021
#20
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[OP1]
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a1885
[OP2]
000246
(001891)
420.02
CS2
310.09
V106AM
310.09
V106AM
312.09
V106SCADAMAN
Y: 4.11
SV411
STERILE TANK CIP SPRAY BALL V-106
000247
(001897)
420.02
CS2
415.08
V411MINUSPULSE
Y: 4.12
SV412
STERILE TANK BLOCKING VALVE V107 (N/O)
000248
(001900)
420.00
CS1
310.11
V108ABAM
310.11
V108ABAM
312.11
V108ABSCADAMAN
Y: 4.13
SV413
CIP PUMP EAST VOTATOR ISOLATION VALVE V108
000249
(001906)
420.00
CS1
493.02
TIM
023
#2400
[OP1]
<TIM023(bit)>
a1911
[OP2]
TIM023
310.12
V109ABAM
493.02
310.12
V109ABAM
312.12
V109ABSCADAMAN
Y: 4.14
SV414
CIP PUMP WEST VOTATOR ISOLATION VALVE V109
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420.00
CS1
CNT
312
#5
[OP1]
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c1923
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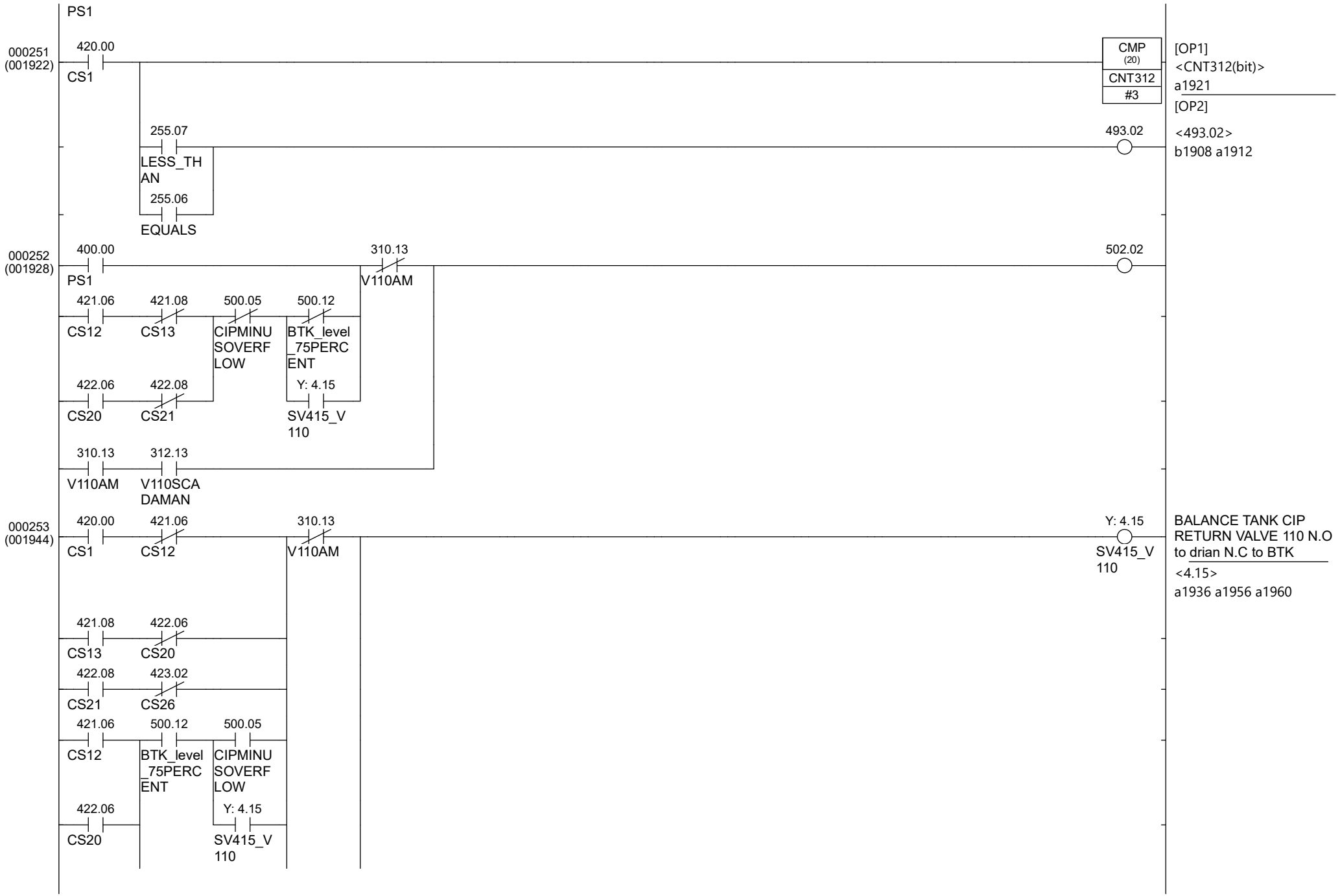
400.00


PS1
000251
(001922)
420.00
CS1
CMP
(20)
CNT312
#3
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a1921
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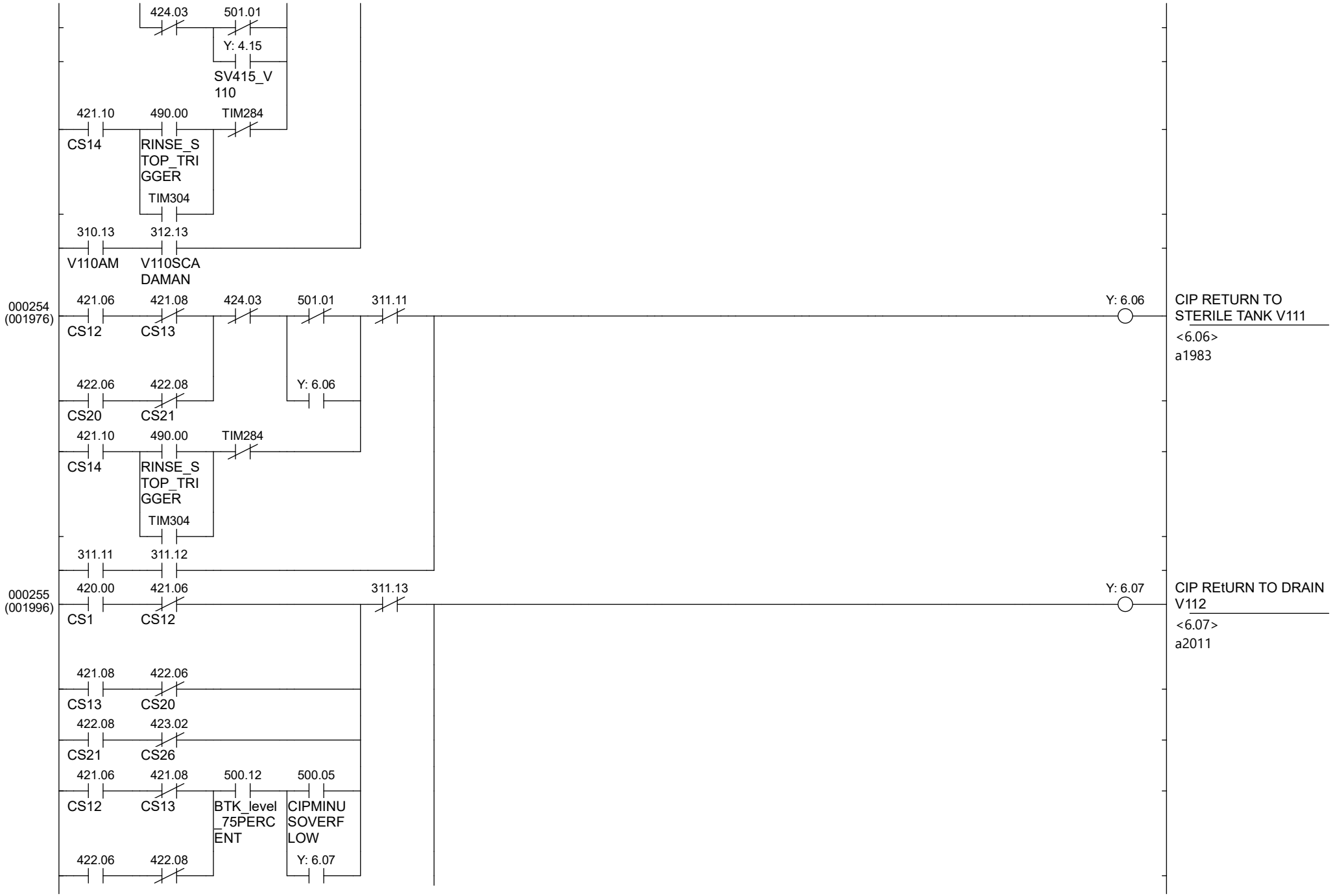
255.07
LESS_THAN
255.06
EQUALS
493.02
<493.02>
b1908 a1912
000252
(001928)
400.00
PS1
310.13
V110AM
502.02
421.06
CS12
421.08
CS13
500.05
CIPMINUSOVERFLOW
500.12
BTK_level_75PERCENT
422.06
CS20
422.08
CS21
Y: 4.15
SV415_V110
310.13
V110AM
312.13
V110SCADAMAN
000253
(001944)
420.00
CS1
421.06
CS12
310.13
V110AM
Y: 4.15
SV415_V110
BALANCE TANK CIP RETURN VALVE 110 N.O to drian N.C to BTK
<4.15>
a1936 a1956 a1960
421.08
CS13
422.06
CS20
422.08
CS21
423.02
CS26
421.06
CS12
500.12
BTK_level_75PERCENT
500.05
CIPMINUSOVERFLOW
422.06
CS20
Y: 4.15
SV415_V110


424.03
501.01
Y: 4.15
SV415_V
110
421.10
CS14
490.00
RINSE_S
TOP_TRI
GGER
TIM284
TIM304
310.13
V110AM
312.13
V110SCA
DAMAN
000254
(001976)
421.06
CS12
421.08
CS13
424.03
501.01
311.11
Y: 6.06
CIP RETURN TO
STERILE TANK V111
<6.06>
a1983
422.06
CS20
422.08
CS21
Y: 6.06
421.10
CS14
490.00
RINSE_S
TOP_TRI
GGER
TIM284
TIM304
311.11
311.12
000255
(001996)
420.00
CS1
421.06
CS12
311.13
Y: 6.07
CIP REtURN TO DRAIN
V112
<6.07>
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421.08
CS13
422.06
CS20
422.08
CS21
423.02
CS26
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CS12
421.08
CS13
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_75PERC
ENT
500.05
CIPMINU
SOVERF
LOW
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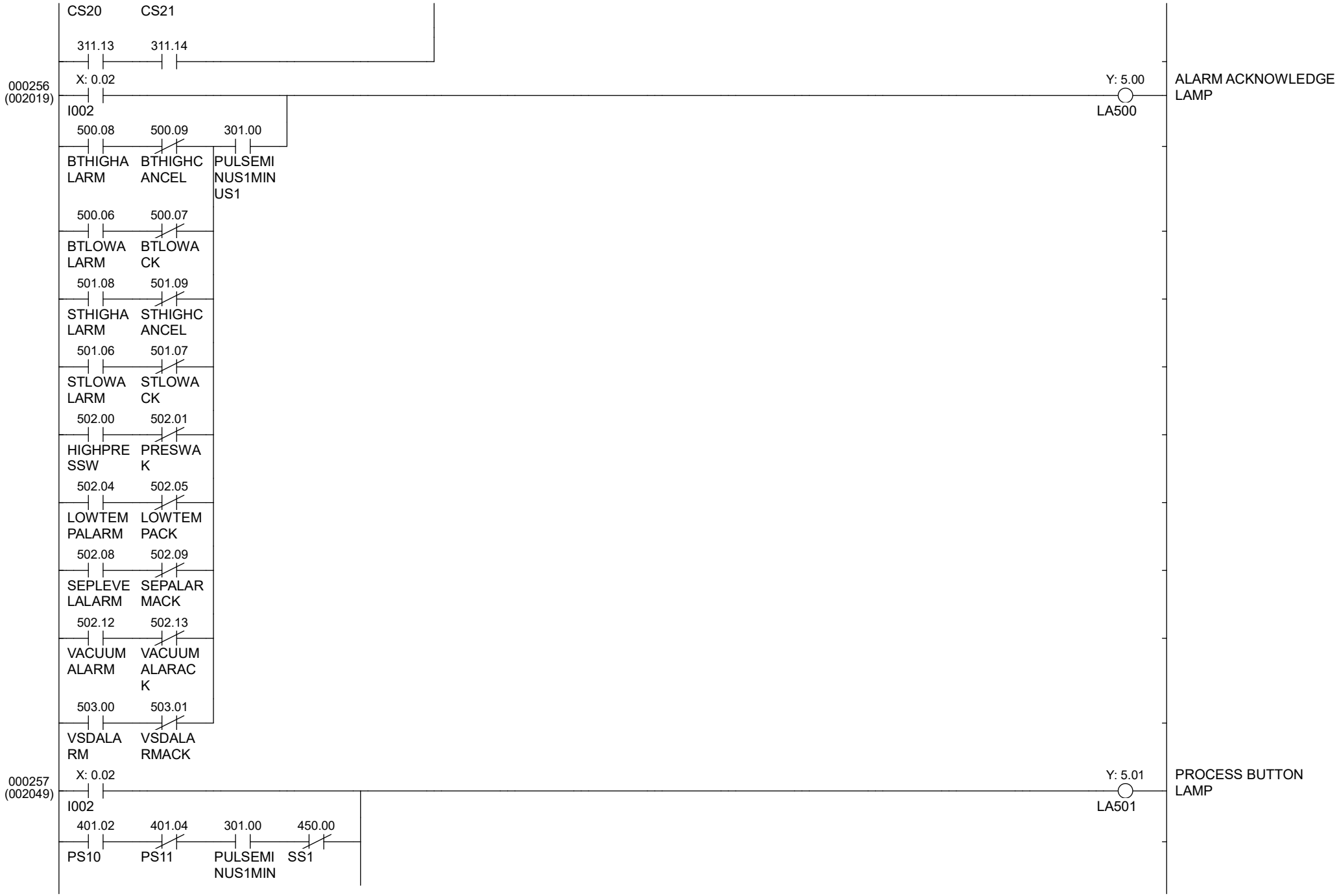
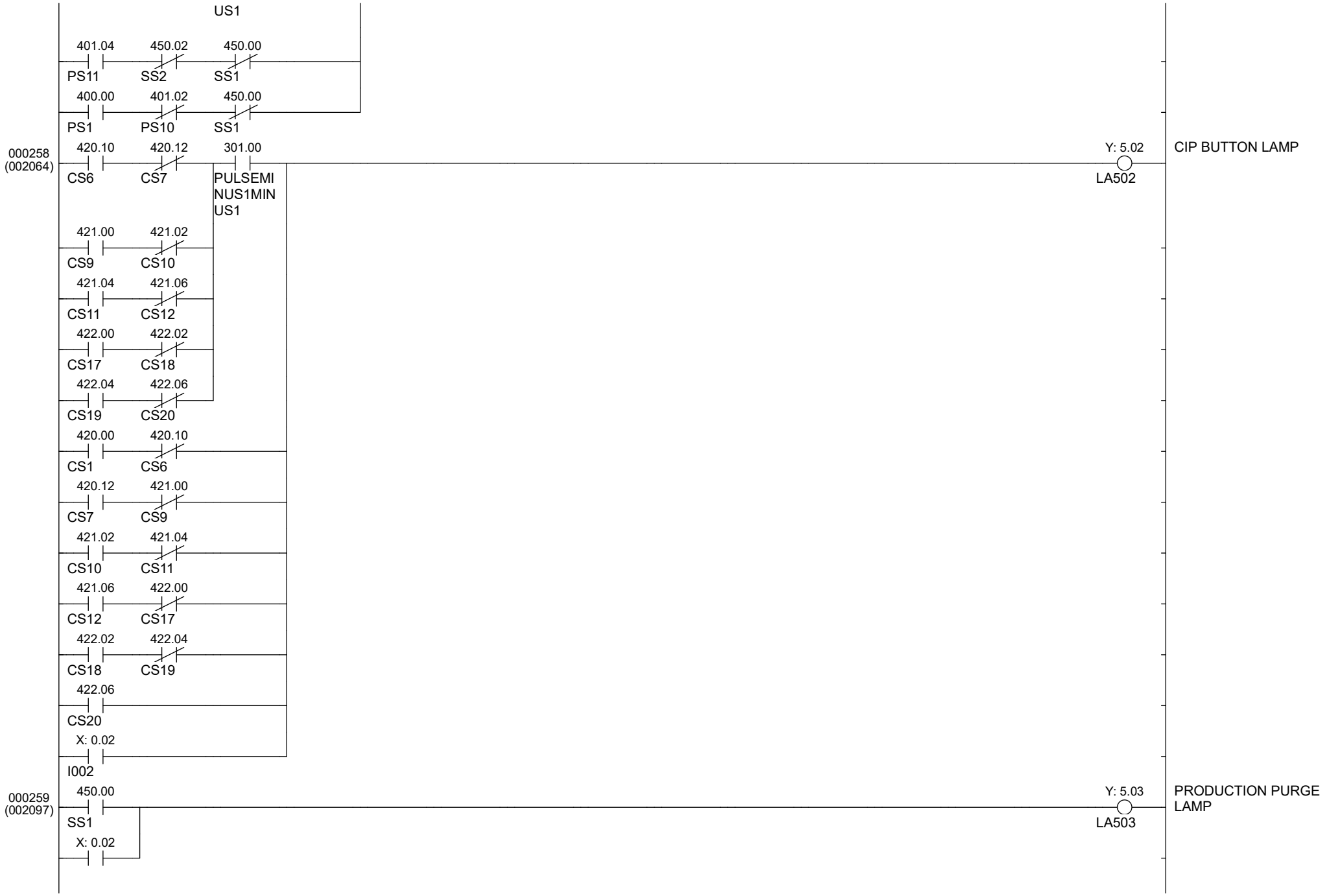
422.08
Y: 6.07


CS20
CS21
311.13
311.14
000256
(002019)
X: 0.02
I002
Y: 5.00
LA500
ALARM ACKNOWLEDGE LAMP
500.08
BTHIGHALARM
500.09
BTHIGHCANCEL
301.00
PULSEMINUS1MINUS1
500.06
BTLOWALARM
500.07
BTLOWACK
501.08
STHIGHALARM
501.09
STHIGHCANCEL
501.06
STLOWALARM
501.07
STLOWACK
502.00
HIGHPRESSW
502.01
PRESWAK
502.04
LOWTEMPALARM
502.05
LOWTEMPACK
502.08
SEPLEVELALARM
502.09
SEPALARMACK
502.12
VACUUMALARM
502.13
VACUUMALARACK
503.00
VSDALARM
503.01
VSDALARMACK
000257
(002049)
X: 0.02
I002
Y: 5.01
LA501
PROCESS BUTTON LAMP
401.02
PS10
401.04
PS11
301.00
PULSEMINUS1MIN
450.00
SS1


US1
401.04
PS11
450.02
SS2
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SS1
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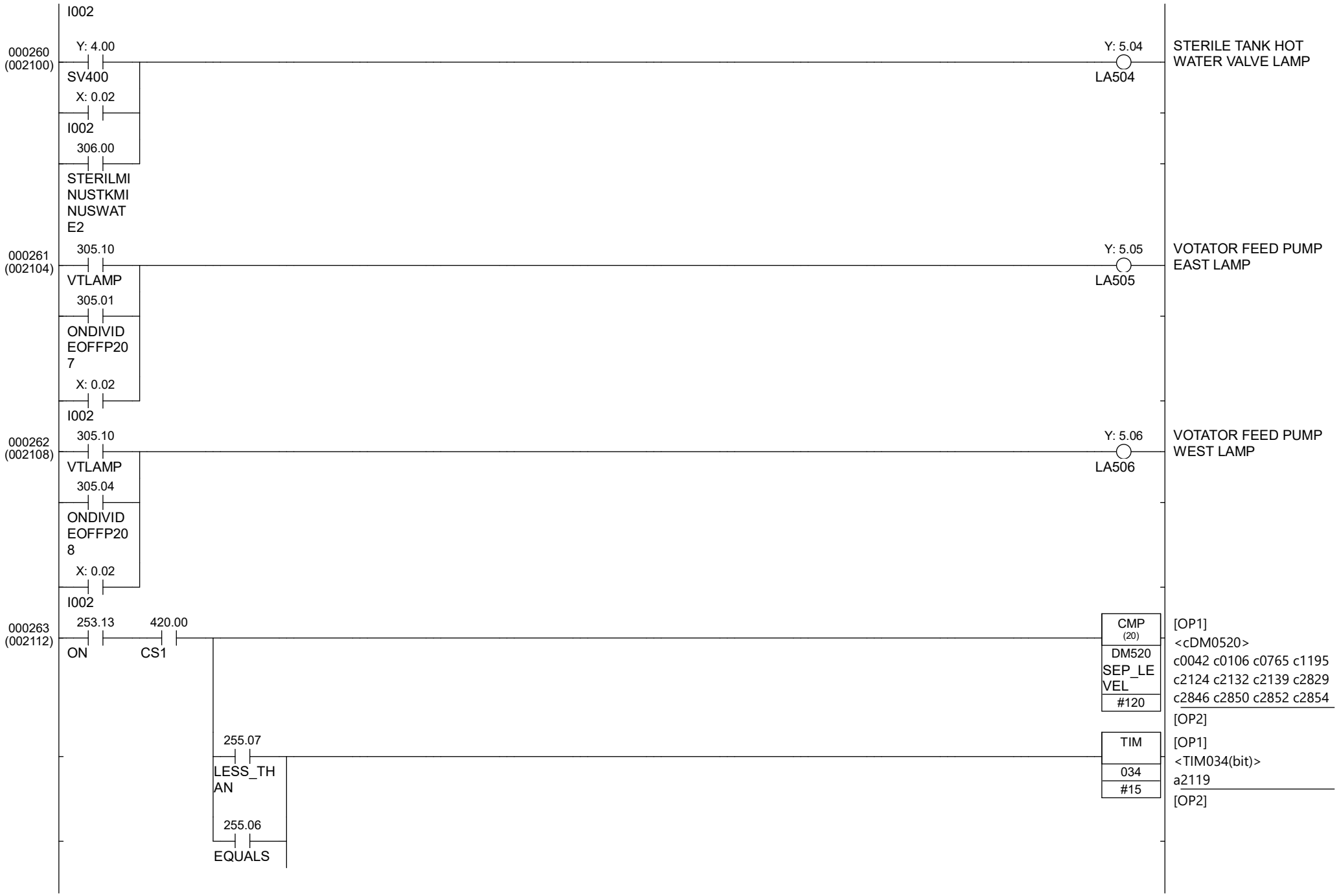
PS1
401.02
PS10
450.00
SS1
000258
(002064)
420.10
CS6
420.12
CS7
301.00
PULSEMI
NUS1MIN
US1
Y: 5.02
LA502
CIP BUTTON LAMP
421.00
CS9
421.02
CS10
421.04
CS11
421.06
CS12
422.00
CS17
422.02
CS18
422.04
CS19
422.06
CS20
420.00
CS1
420.10
CS6
420.12
CS7
421.00
CS9
421.02
CS10
421.04
CS11
421.06
CS12
422.00
CS17
422.02
CS18
422.04
CS19
422.06
CS20
X: 0.02
I002
000259
(002097)
450.00
SS1
X: 0.02
Y: 5.03
LA503
PRODUCTION PURGE
LAMP


I002
000260
(002100)
Y: 4.00
SV400
X: 0.02
I002
306.00
STERILMINUSTKMINUSWATE2
Y: 5.04
LA504
STERILE TANK HOT WATER VALVE LAMP
000261
(002104)
305.10
VTLAMP
305.01
ONDIVIDEOFFP207
X: 0.02
I002
Y: 5.05
LA505
VOTATOR FEED PUMP EAST LAMP
000262
(002108)
305.10
VTLAMP
305.04
ONDIVIDEOFFP208
X: 0.02
I002
Y: 5.06
LA506
VOTATOR FEED PUMP WEST LAMP
000263
(002112)
253.13
ON
420.00
CS1
255.07
LESS_THAN
255.06
EQUALS
CMP
(20)
DM520
SEP_LEVEL
#120
[OP1]
<cDM0520>
c0042 c0106 c0765 c1195
c2124 c2132 c2139 c2829
c2846 c2850 c2852 c2854
[OP2]
TIM
034
#15
[OP1]
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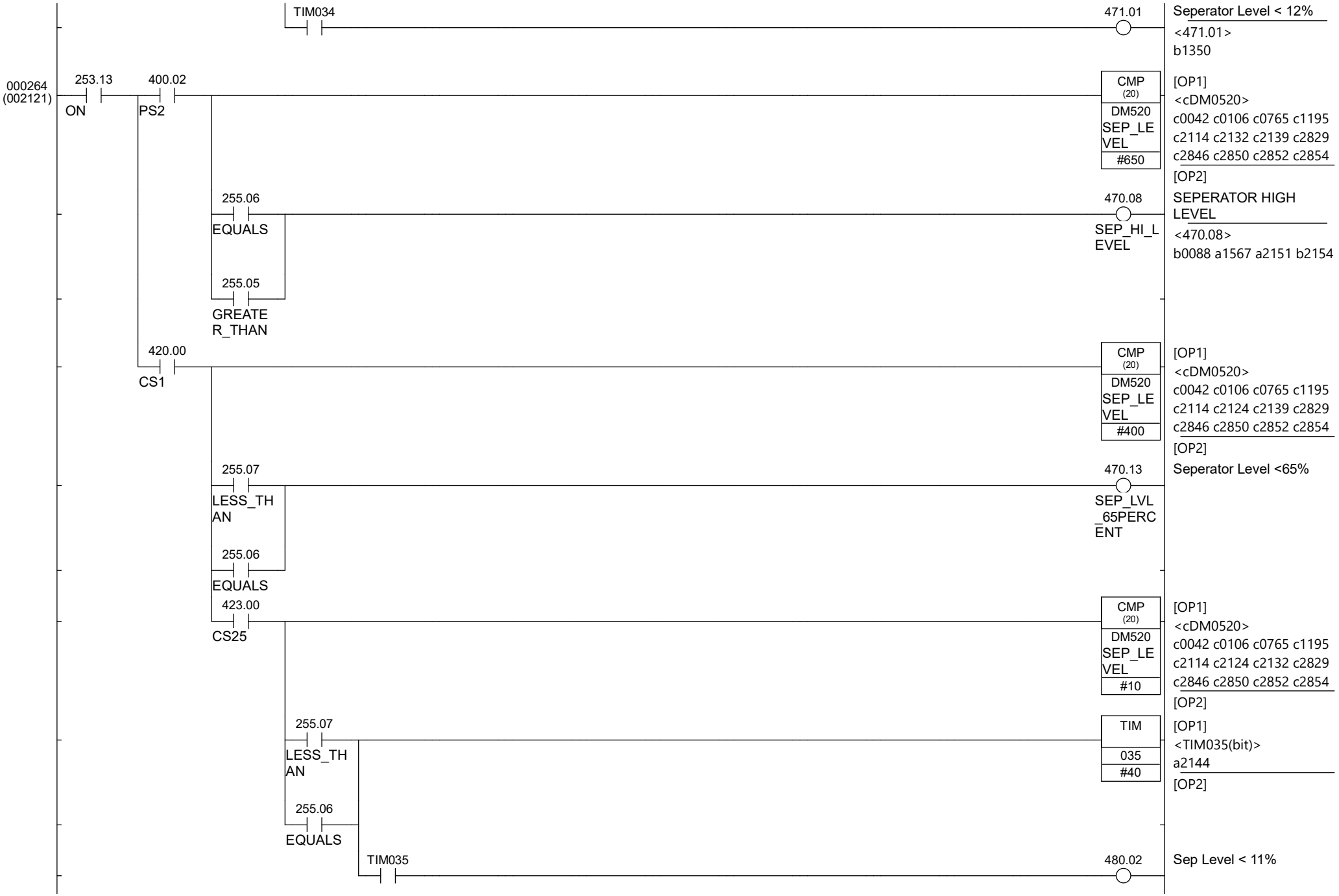
a2119
[OP2]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471.01
Seperator Level < 12%
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b1350
000264
(002121)
253.13
ON
400.02
PS2
CMP
(20)
DM520
SEP_LEVEL
#650
[OP1]
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2132 c2139 c2829
c2846 c2850 c2852 c2854
[OP2]
255.06
EQUALS
255.05
GREATER_THAN
470.08
SEP_HI_LEVEL
SEPERATOR HIGH LEVEL
<470.08>
b0088 a1567 a2151 b2154
420.00
CS1
CMP
(20)
DM520
SEP_LEVEL
#400
[OP1]
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2124 c2139 c2829
c2846 c2850 c2852 c2854
[OP2]
255.07
LESS_THAN
255.06
EQUALS
470.13
SEP_LVL_65PERCENT
Seperator Level <65%
423.00
CS25
CMP
(20)
DM520
SEP_LEVEL
#10
[OP1]
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c2114 c2124 c2132 c2829
c2846 c2850 c2852 c2854
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LESS_THAN
255.06
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TIM
035
#40
[OP1]
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a2144
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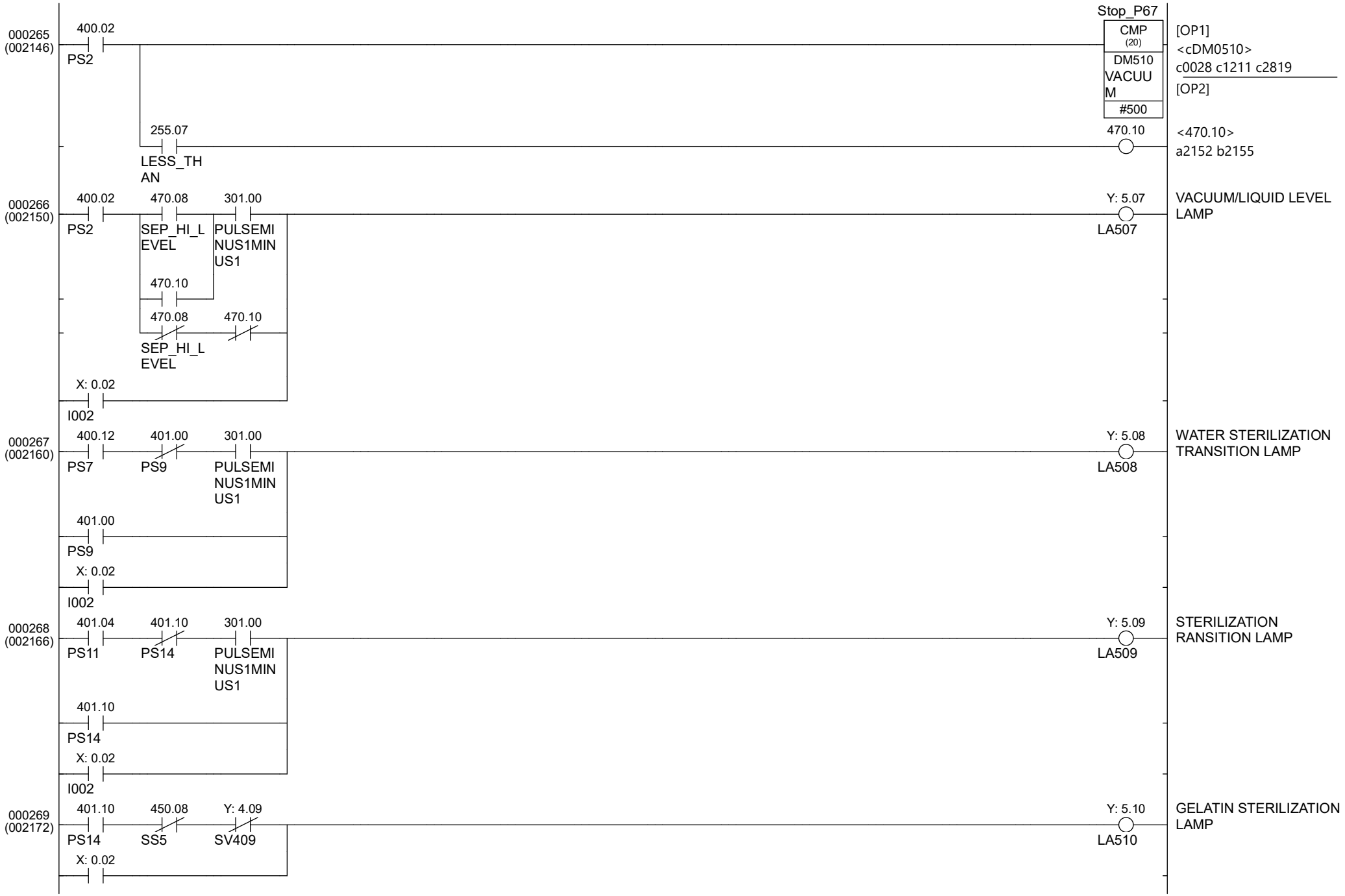
TIM035
480.02
Sep Level < 11%


000265
(002146)
400.02
PS2
255.07
LESS_TH
AN
Stop_P67
CMP
(20)
DM510
VACUU
M
#500
470.10
[OP1]
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c0028 c1211 c2819
[OP2]
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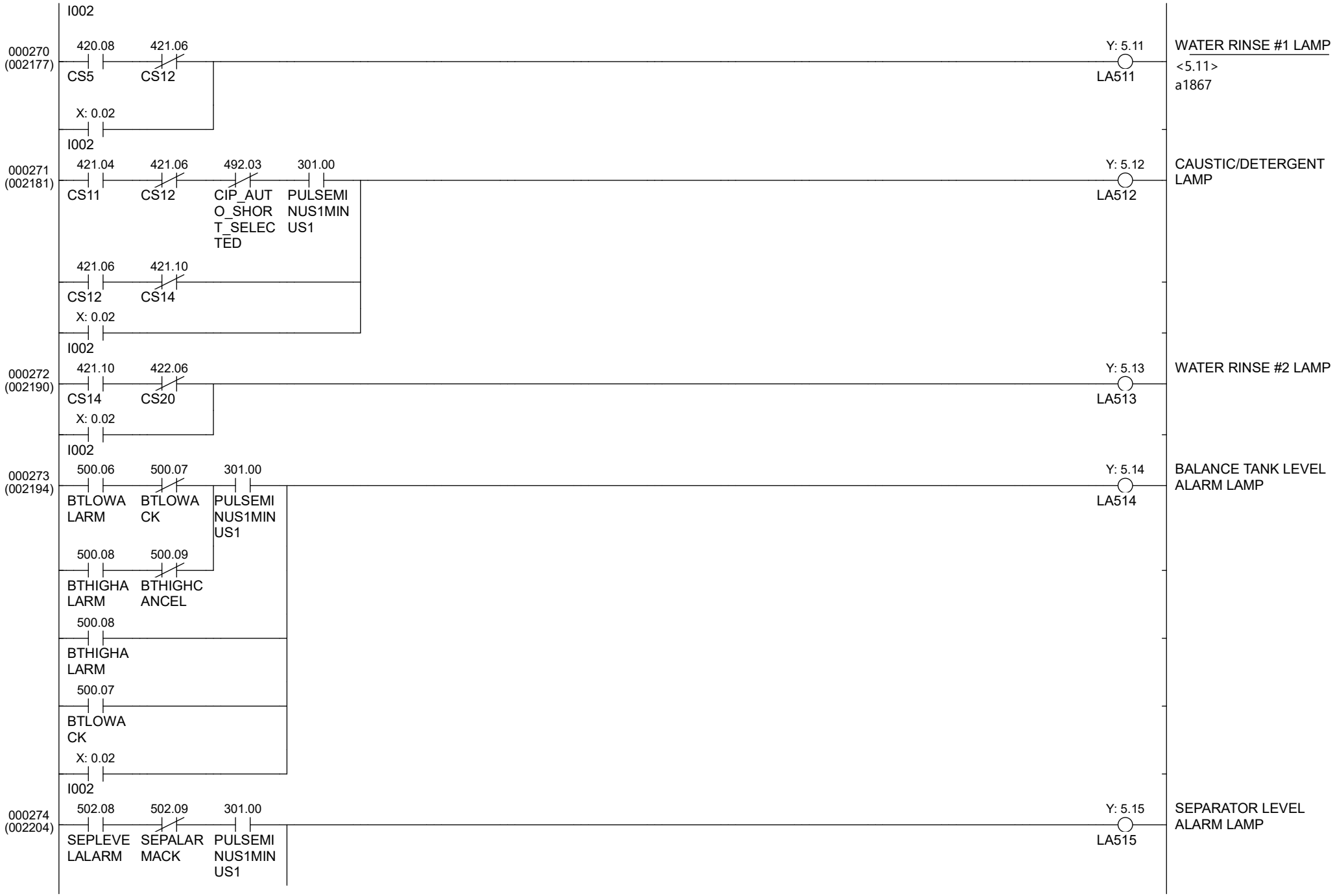
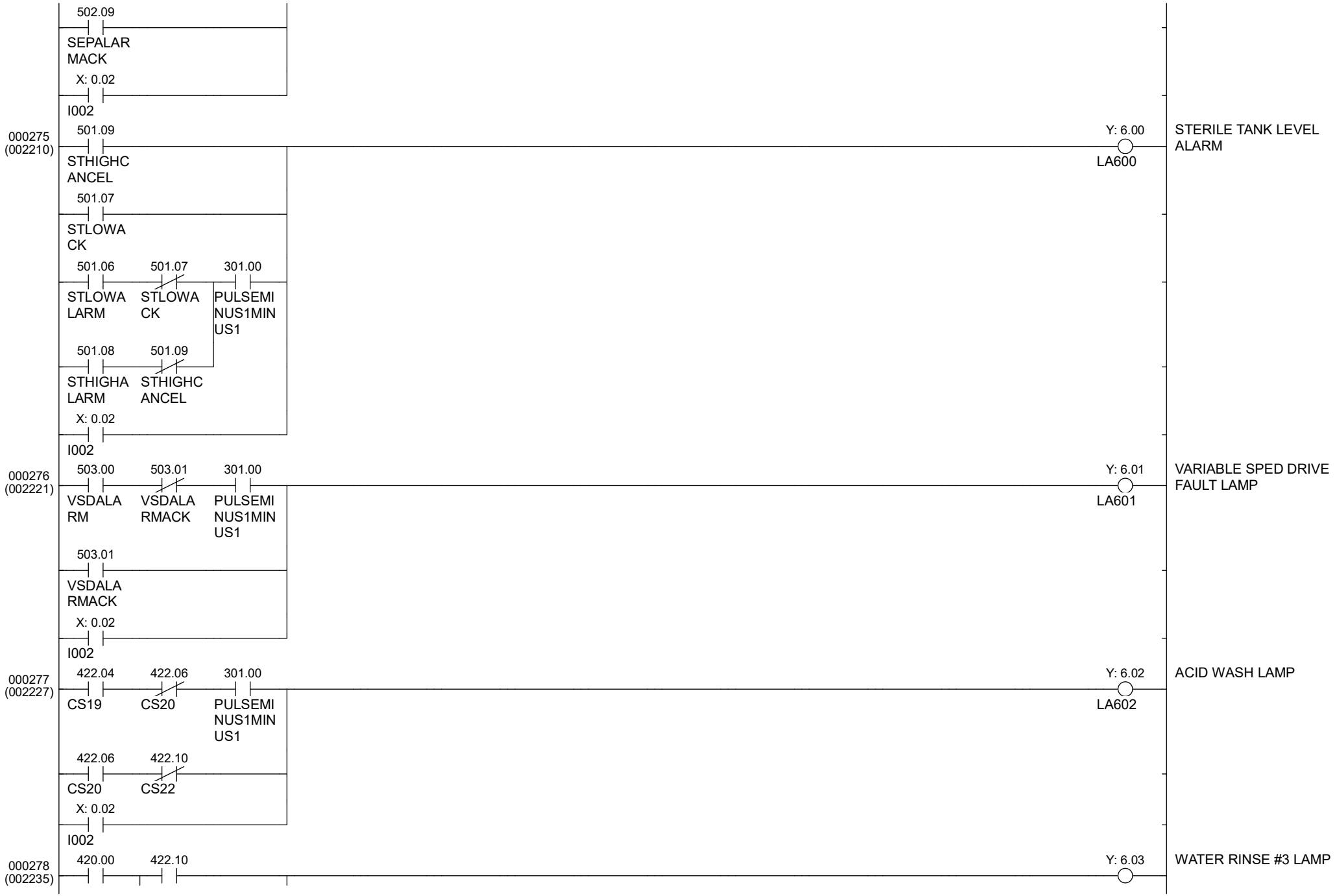
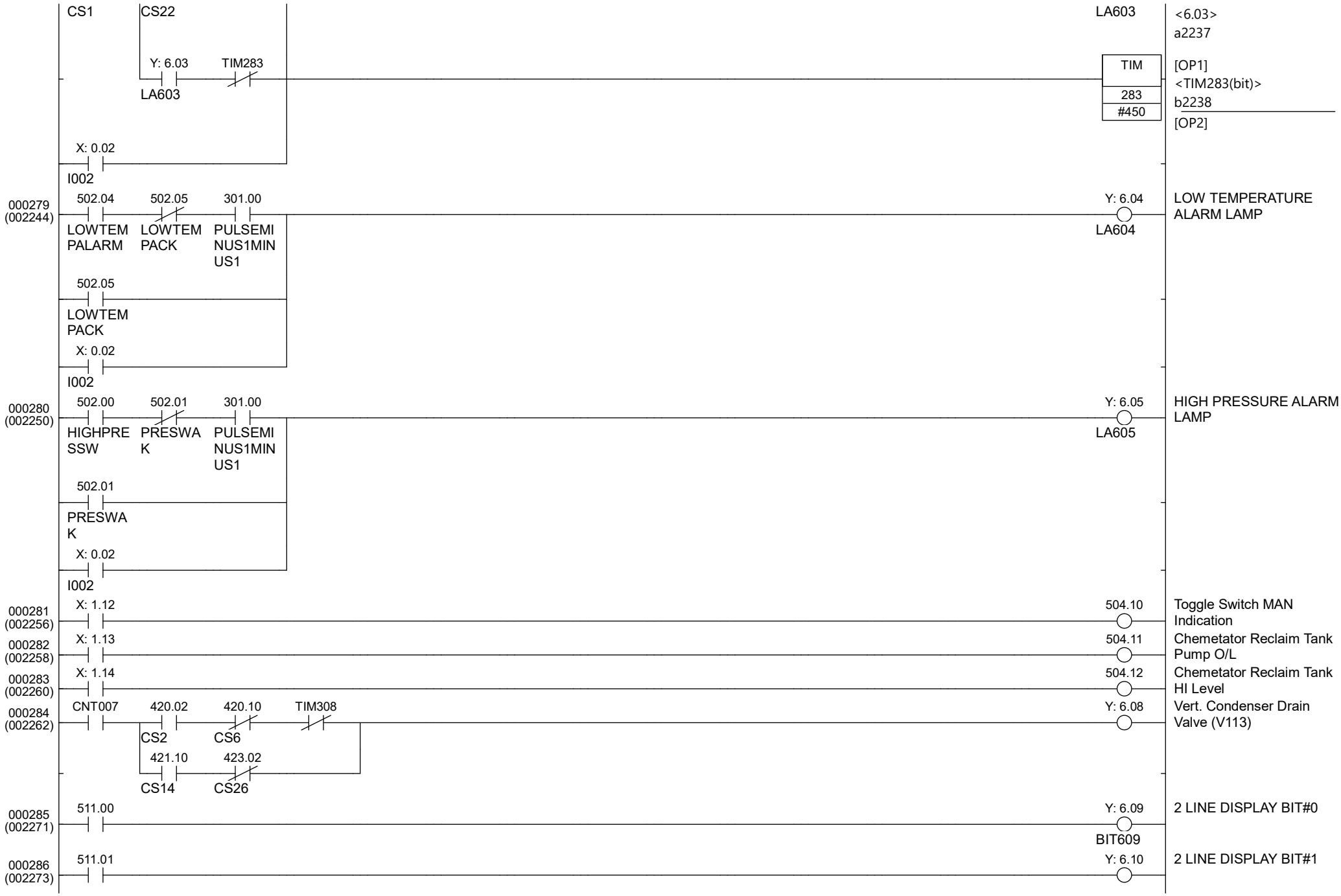
a2152 b2155
000266
(002150)
400.02
PS2
470.08
SEP_HI_L
EVEL
301.00
PULSEMI
NUS1MIN
US1
470.10
470.08
SEP_HI_L
EVEL
470.10
X: 0.02
I002
Y: 5.07
LA507
VACUUM/LIQUID LEVEL
LAMP
000267
(002160)
400.12
PS7
401.00
PS9
301.00
PULSEMI
NUS1MIN
US1
401.00
PS9
X: 0.02
I002
Y: 5.08
LA508
WATER STERILIZATION
TRANSITION LAMP
000268
(002166)
401.04
PS11
401.10
PS14
301.00
PULSEMI
NUS1MIN
US1
401.10
PS14
X: 0.02
I002
Y: 5.09
LA509
STERILIZATION
RANSITION LAMP
000269
(002172)
401.10
PS14
450.08
SS5
Y: 4.09
SV409
X: 0.02
Y: 5.10
LA510
GELATIN STERILIZATION
LAMP


I002
000270
(002177)
420.08
CS5
421.06
CS12
X: 0.02
I002
Y: 5.11
LA511
WATER RINSE #1 LAMP
<5.11>
a1867
000271
(002181)
421.04
CS11
421.06
CS12
492.03
CIP_AUTO_SHORT_SELECTED
301.00
PULSEMINUS1MINUS1
421.06
CS12
421.10
CS14
X: 0.02
I002
Y: 5.12
LA512
CAUSTIC/DETERGENT LAMP
000272
(002190)
421.10
CS14
422.06
CS20
X: 0.02
I002
Y: 5.13
LA513
WATER RINSE #2 LAMP
000273
(002194)
500.06
BTLOWALARM
500.07
BTLOWACK
301.00
PULSEMINUS1MINUS1
500.08
BTHIGHALARM
500.09
BTHIGHCANCEL
500.08
BTHIGHALARM
500.07
BTLOWACK
X: 0.02
I002
Y: 5.14
LA514
BALANCE TANK LEVEL ALARM LAMP
000274
(002204)
502.08
SEPLEVELALARM
502.09
SEPALARMACK
301.00
PULSEMINUS1MINUS1
Y: 5.15
LA515
SEPARATOR LEVEL ALARM LAMP

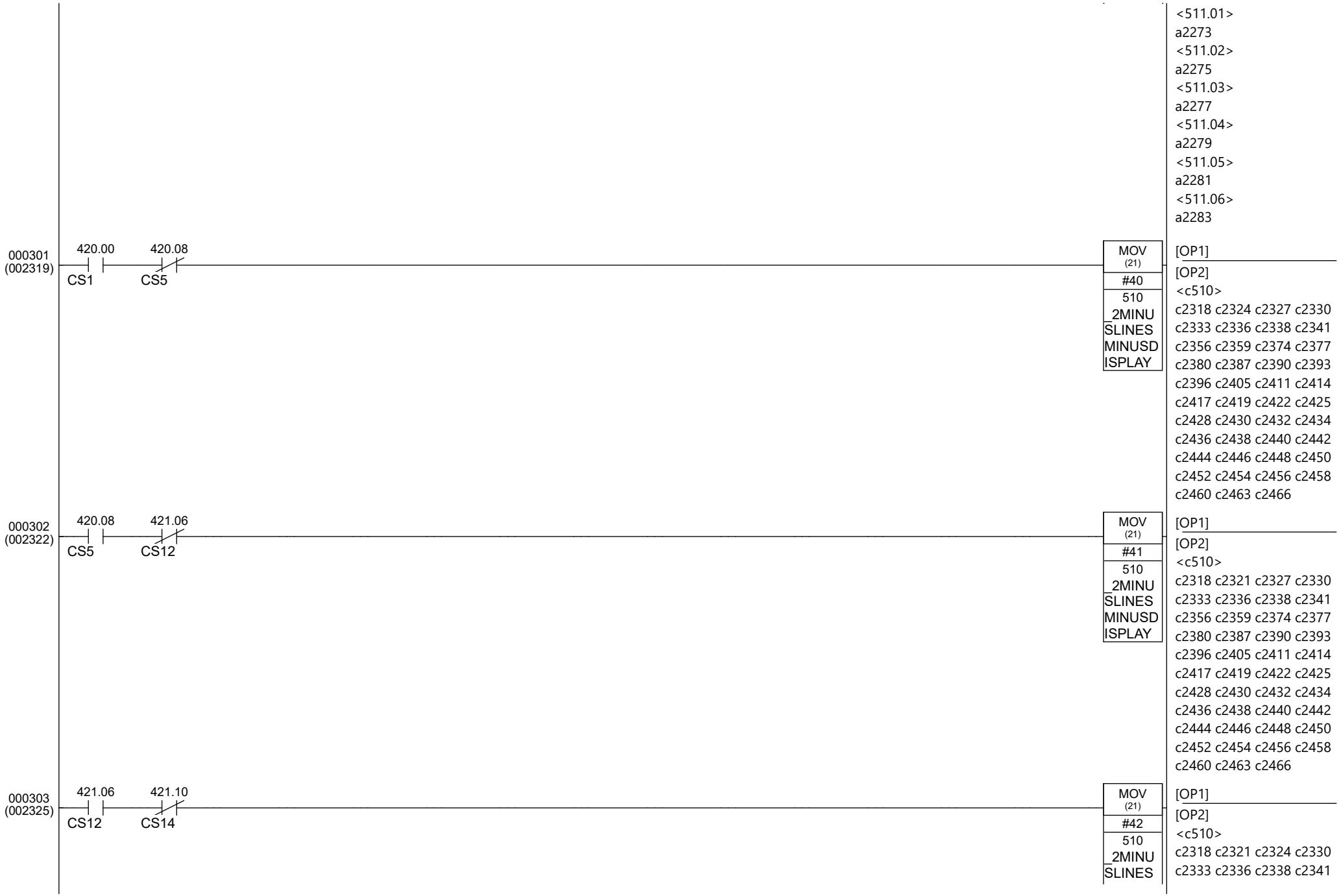

502.09
SEPALAR MACK
X: 0.02
I002
000275 (002210)
501.09
STHIGHC ANCEL
Y: 6.00
LA600
STERILE TANK LEVEL ALARM
501.07
STLOWA CK
501.06
STLOWA LARM
501.07
STLOWA CK
301.00
PULSEMI NUS1MIN US1
501.08
STHIGHA LARM
501.09
STHIGHC ANCEL
X: 0.02
I002
000276 (002221)
503.00
VSDALA RM
503.01
VSDALA RMACK
301.00
PULSEMI NUS1MIN US1
Y: 6.01
LA601
VARIABLE SPED DRIVE FAULT LAMP
503.01
VSDALA RMACK
X: 0.02
I002
000277 (002227)
422.04
CS19
422.06
CS20
301.00
PULSEMI NUS1MIN US1
Y: 6.02
LA602
ACID WASH LAMP
422.06
CS20
422.10
CS22
X: 0.02
I002
000278 (002235)
420.00
422.10
Y: 6.03
WATER RINSE #3 LAMP


CS1
CS22
Y: 6.03
TIM283
LA603
X: 0.02
I002
LA603
<6.03>
a2237
TIM
283
#450
[OP1]
<TIM283(bit)>
b2238
[OP2]
000279
(002244)
502.04
LOWTEM PALARM
502.05
LOWTEM PACK
301.00
PULSEMI NUS1MIN US1
Y: 6.04
LA604
LOW TEMPERATURE ALARM LAMP
502.05
LOWTEM PACK
X: 0.02
I002
000280
(002250)
502.00
HIGHPRE SSW
502.01
PRESWA K
301.00
PULSEMI NUS1MIN US1
Y: 6.05
LA605
HIGH PRESSURE ALARM LAMP
502.01
PRESWA K
X: 0.02
I002
000281
(002256)
X: 1.12
504.10
Toggle Switch MAN Indication
000282
(002258)
X: 1.13
504.11
Chemetator Reclaim Tank Pump O/L
000283
(002260)
X: 1.14
504.12
Chemetator Reclaim Tank HI Level
000284
(002262)
CNT007
420.02
CS2
420.10
CS6
TIM308
421.10
CS14
423.02
CS26
Y: 6.08
Vert. Condenser Drain Valve (V113)
000285
(002271)
511.00
Y: 6.09
BIT609
2 LINE DISPLAY BIT#0
000286
(002273)
511.01
Y: 6.10
2 LINE DISPLAY BIT#1

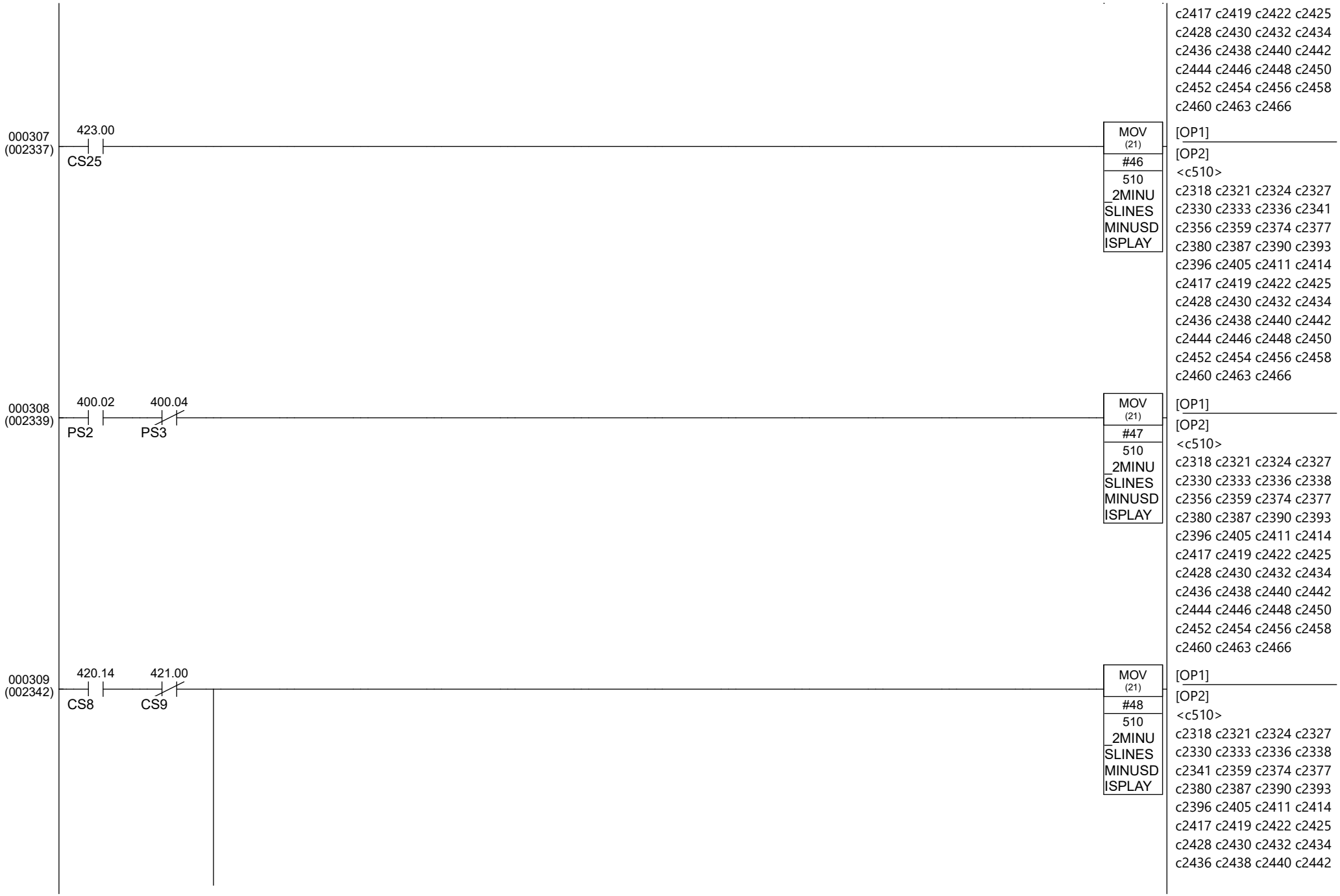
000287
(002275)
511.02
BIT610
Y: 6.11
2 LINE DISPLAY BIT#2
000288
(002277)
511.03
BIT611
Y: 6.12
2 LINE DISPLAY BIT#3
000289
(002279)
511.04
BIT612
Y: 6.13
2 LINE DISPLAY BIT#4
000290
(002281)
511.05
BIT613
Y: 6.14
2 LINE DISPLAY BIT#5
000291
(002283)
511.06
BIT614
Y: 6.15
2 LINE DISPLAY BIT#6
000292
(002285)
300.00
ALWAYS
MINUSFA
LSE
BIT615
MOV
(21)
#200
DM1001
AC1C1U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1000
AC1C1L
L
[OP1]
[OP2]
Y: 100.02
SCALING ON
000293
(002289)
300.00
ALWAYS
MINUSFA
LSE
AC1C1
MOV
(21)
#200
DM1003
AC1C2U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1002
AC1C2L
L
[OP1]
[OP2]
Y: 100.03
SCALING ON
000294
(002293)
300.00
ALWAYS
MINUSFA
LSE
AC1C2
MOV
(21)
#9999
DM1005
AC1C3U
L
[OP1]
[OP2]

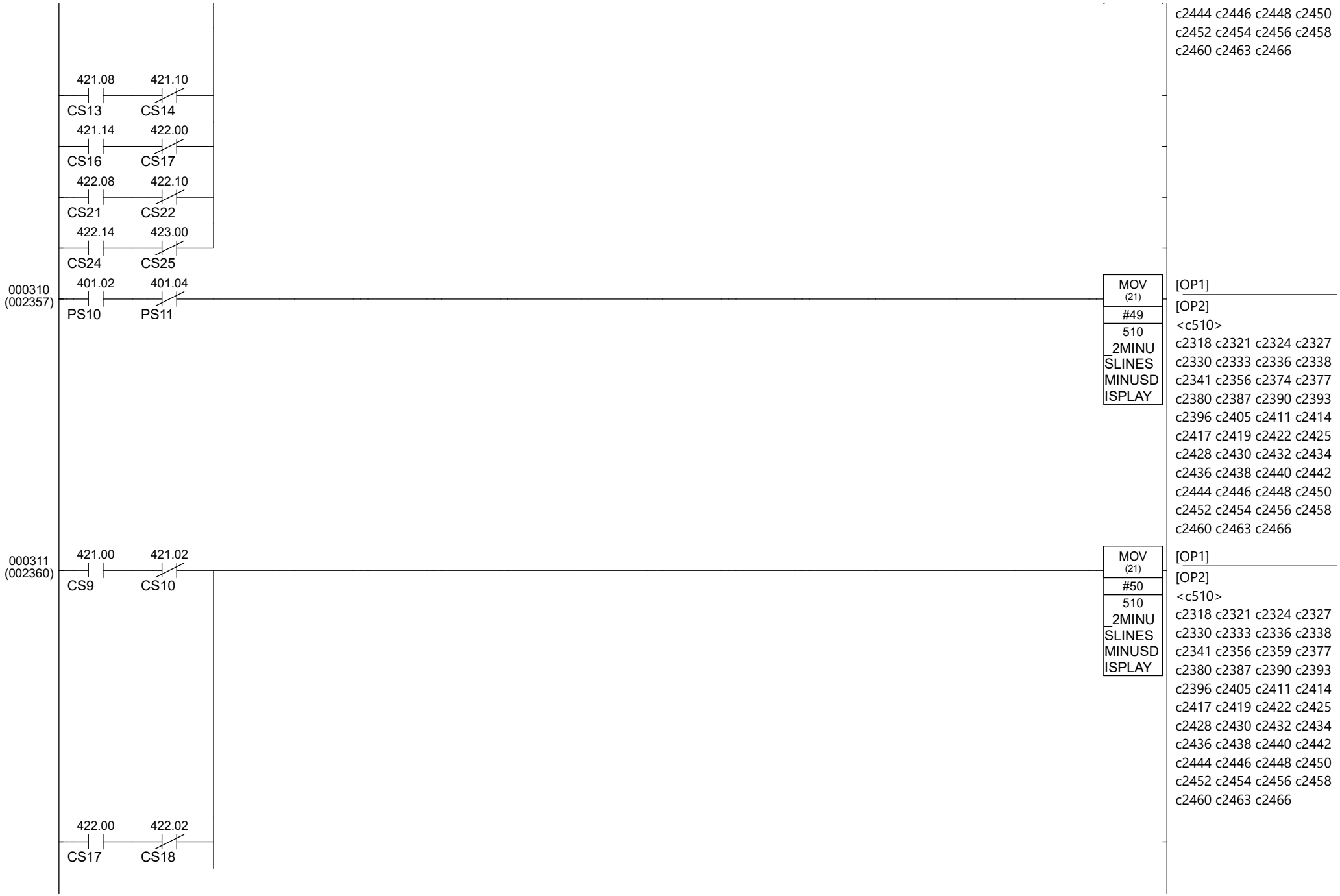
MOV
(21)
#0
DM1004
AC1C3L
L
[OP1]
[OP2]
Y: 100.04
AC1C3
SCALING ON
000295
(002297)
300.00
ALWAYS
MINUSFA
LSE
MOV
(21)
#100
DM1007
AC1C4U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1006
AC1C4L
L
[OP1]
[OP2]
Y: 100.05
AC1C4
SCALING ON
000296
(002301)
300.00
ALWAYS
MINUSFA
LSE
MOV
(21)
#100
DM1101
AC2C1U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1100
AC2C1L
L
[OP1]
[OP2]
Y: 110.02
AC2C1
SCALING ON
000297
(002305)
300.00
ALWAYS
MINUSFA
LSE
MOV
(21)
#100
DM1103
AC2C2U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1102
AC2C2L
L
[OP1]
[OP2]

Y: 110.03
SCALING ON
AC2C2
000298
(002309)
300.00
ALWAYS
MINUSFA
LSE
MOV
(21)
#150
DM1105
AC2C3U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1104
AC2C3L
L
[OP1]
[OP2]
Y: 110.04
SCALING ON
AC2C3
000299
(002313)
300.00
ALWAYS
MINUSFA
LSE
MOV
(21)
#5000
DM1107
AC2C4U
L
[OP1]
[OP2]
MOV
(21)
#0
DM1106
AC2C4L
L
[OP1]
[OP2]
Y: 110.05
SCALING ON
AC2C4
000300
(002317)
253.13
ON
BIN
(23)
510
_2MINU
SLINES
MINUSD
ISPLAY
511
[OP1]
<c510>
c2321 c2324 c2327 c2330
c2333 c2336 c2338 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
[OP2]
<511.00>
a2271


000301
(002319)
420.00
CS1
420.08
CS5
MOV
(21)
#40
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2324 c2327 c2330
c2333 c2336 c2338 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000302
(002322)
420.08
CS5
421.06
CS12
MOV
(21)
#41
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2327 c2330
c2333 c2336 c2338 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000303
(002325)
421.06
CS12
421.10
CS14
MOV
(21)
#42
510
_2MINU
SLINES
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2330
c2333 c2336 c2338 c2341
<511.01>
a2273
<511.02>
a2275
<511.03>
a2277
<511.04>
a2279
<511.05>
a2281
<511.06>
a2283

MINUSD
ISPLAY
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000304
(002328)
421.10
CS14
422.04
CS19
MOV
(21)
#43
510
[OP1]
[OP2]
<c510>
_2MINU
SLINES
MINUSD
ISPLAY
c2318 c2321 c2324 c2327
c2333 c2336 c2338 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000305
(002331)
422.04
CS19
422.10
CS22
MOV
(21)
#44
510
[OP1]
[OP2]
<c510>
_2MINU
SLINES
MINUSD
ISPLAY
c2318 c2321 c2324 c2327
c2330 c2336 c2338 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000306
(002334)
422.10
CS22
423.00
CS25
MOV
(21)
#45
510
[OP1]
[OP2]
<c510>
_2MINU
SLINES
MINUSD
ISPLAY
c2318 c2321 c2324 c2327
c2330 c2333 c2338 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414


000307
(002337)
423.00
CS25
MOV
(21)
#46
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2341
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000308
(002339)
400.02
PS2
400.04
PS3
MOV
(21)
#47
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2356 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000309
(002342)
420.14
CS8
421.00
CS9
MOV
(21)
#48
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2359 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442


421.08
CS13
421.10
CS14
421.14
CS16
422.00
CS17
422.08
CS21
422.10
CS22
422.14
CS24
423.00
CS25
000310
(002357)
401.02
PS10
401.04
PS11
MOV
(21)
#49
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2374 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000311
(002360)
421.00
CS9
421.02
CS10
MOV
(21)
#50
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2377
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
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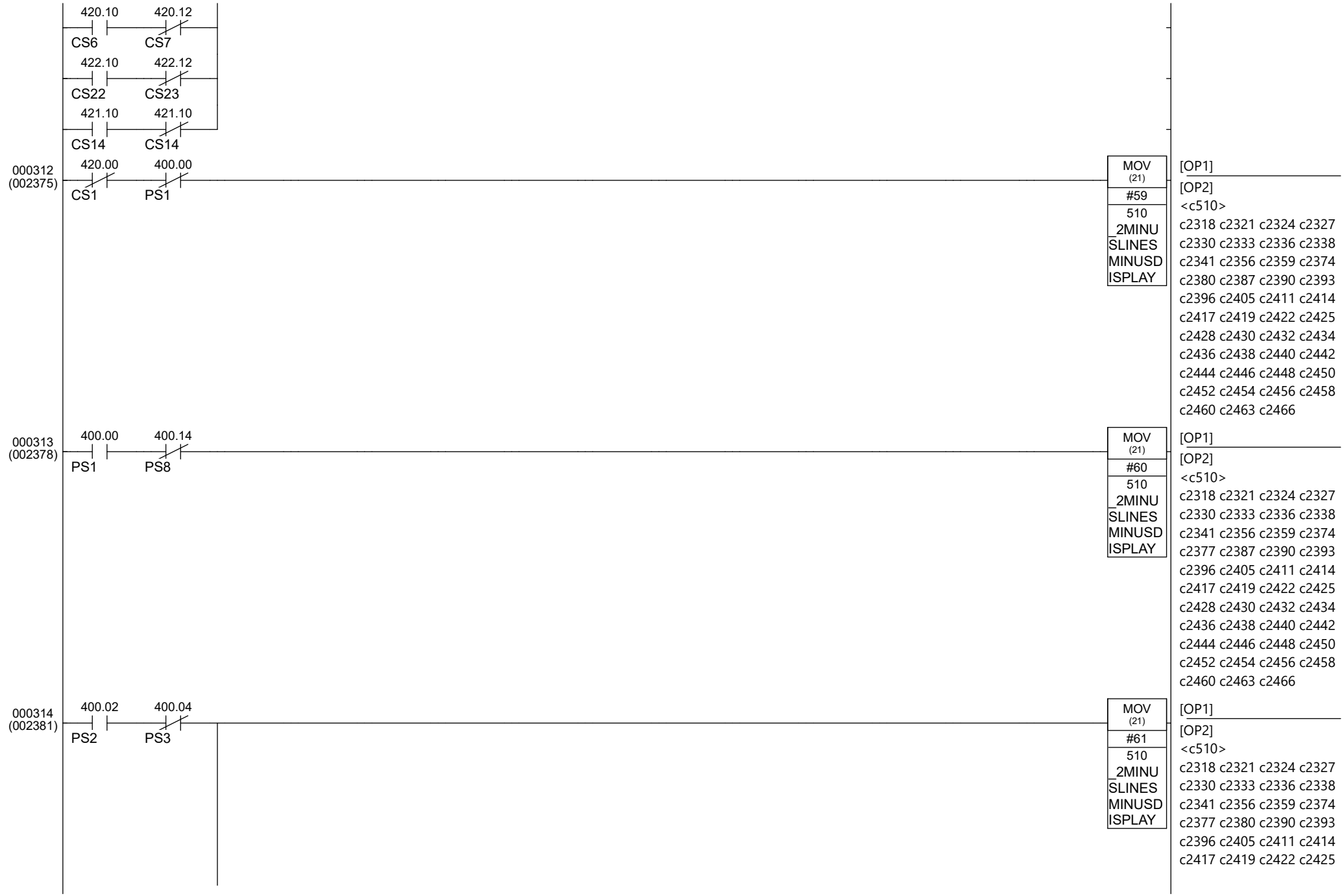
c2452 c2454 c2456 c2458
c2460 c2463 c2466
422.00
CS17
422.02
CS18

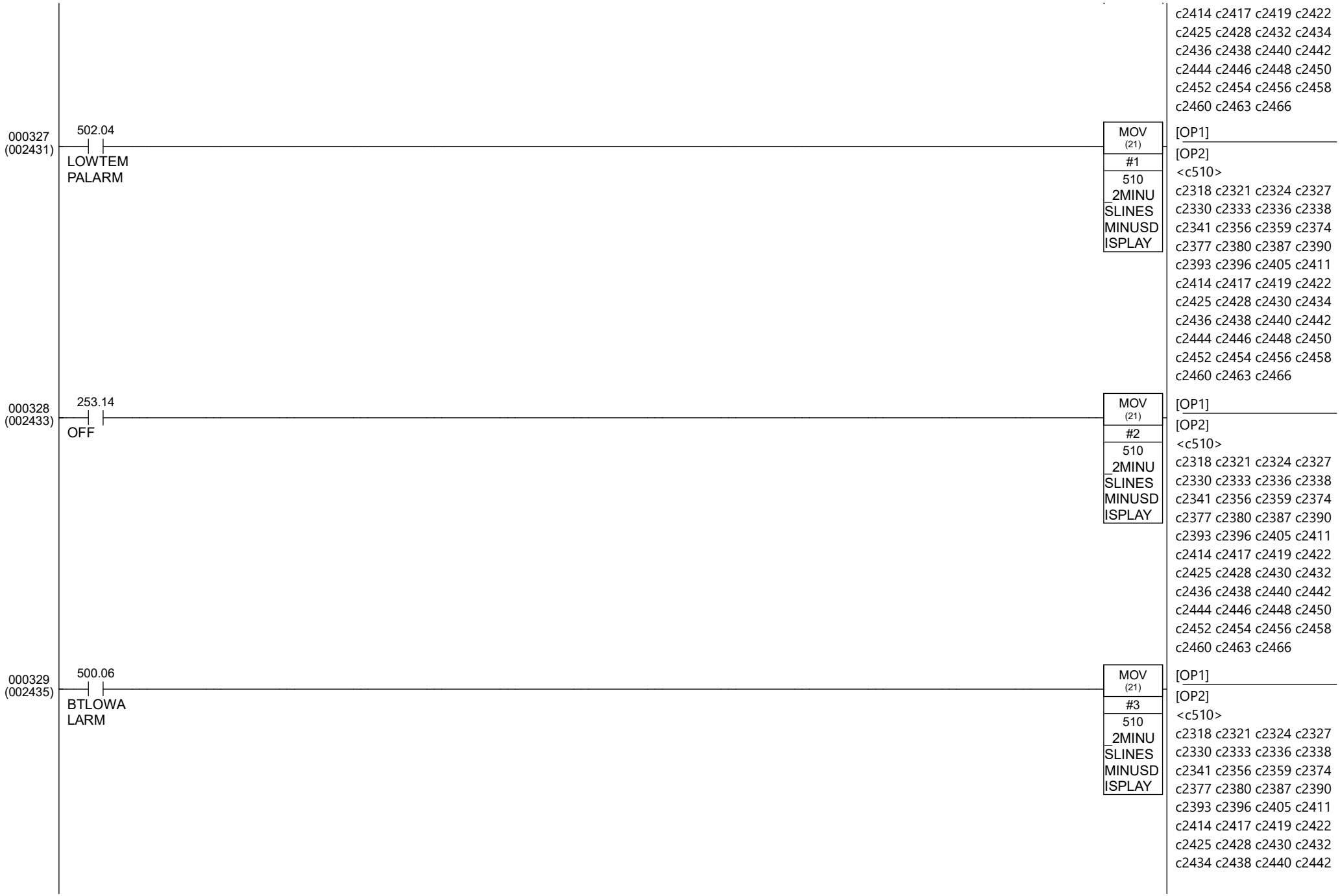

420.10
CS6
420.12
CS7
422.10
CS22
422.12
CS23
421.10
CS14
421.10
CS14
000312
(002375)
420.00
CS1
400.00
PS1
MOV
(21)
#59
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2380 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000313
(002378)
400.00
PS1
400.14
PS8
MOV
(21)
#60
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2387 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000314
(002381)
400.02
PS2
400.04
PS3
MOV
(21)
#61
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2390 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425

423.00
CS25
450.14
SS8
451.00
SS9
000315
(002388)
400.02
PS2
400.04
PS3
MOV
(21)
#62
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2393
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000316
(002391)
400.02
PS2
400.04
PS3
MOV
(21)
#63
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2396 c2405 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000317
(002394)
400.14
PS8
401.00
PS9
MOV
(21)
#64
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390

000318
(002397)
400.04
PS3
400.06
PS4
401.04
PS11
401.06
PS12
450.02
SS2
450.04
SS3
000319
(002406)
401.08
PS13
401.10
PS14
450.06
SS4
450.08
SS5
000320
(002412)
400.14
401.00
MOV
(21)
#65
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2411 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
MOV
(21)
#66
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2414
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
MOV
(21)
#67
[OP1]
[OP2]

PS8
PS9
510
_2MINU
SLINES
MINUSD
ISPLAY
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2417 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000321
(002415)
401.04
PS11
401.10
PS14
MOV
(21)
[OP1]
[OP2]
#68
510
_2MINU
SLINES
MINUSD
ISPLAY
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2419 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000322
(002418)
401.10
PS14
MOV
(21)
[OP1]
[OP2]
#69
510
_2MINU
SLINES
MINUSD
ISPLAY
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2422 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000323
(002420)
450.00
SS1
450.04
SS3
MOV
(21)
[OP1]
[OP2]
#70
510
_2MINU
SLINES
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338

MINUSD
ISPLAY
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2425
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000324
(002423)
450.04
SS3
450.06
SS4
MOV
(21)
#71
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2428 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000325
(002426)
400.06
PS4
400.10
PS6
MOV
(21)
#73
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2430 c2432 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000326
(002429)
272.12
MEMORY
MINUSER
ROR
MOV
(21)
#0
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411


000327
(002431)
502.04
LOWTEM
PALARM
MOV
(21)
#1
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2434
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000328
(002433)
253.14
OFF
MOV
(21)
#2
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2436 c2438 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000329
(002435)
500.06
BTLOWA
LARM
MOV
(21)
#3
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
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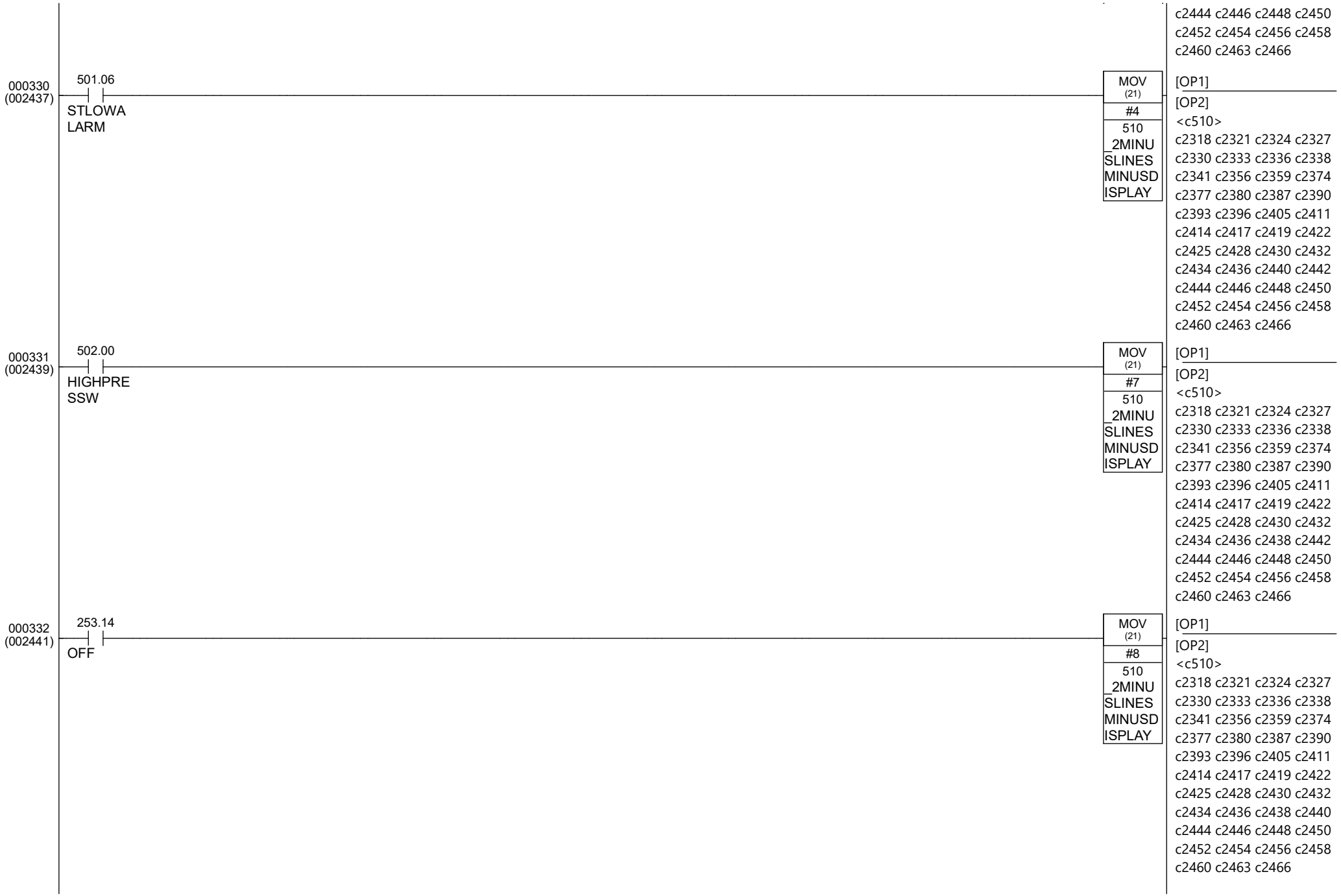
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2438 c2440 c2442


000330
(002437)
501.06
STLOWA
LARM
MOV
(21)
#4
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
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c2434 c2436 c2440 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000331
(002439)
502.00
HIGHPRE
SSW
MOV
(21)
#7
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2442
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000332
(002441)
253.14
OFF
MOV
(21)
#8
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2444 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466

000333
(002443)
502.12
VACUUM
ALARM
MOV
(21)
#9
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2446 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000334
(002445)
500.08
BTHIGHA
LARM
MOV
(21)
#10
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2448 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000335
(002447)
501.08
STHIGHA
LARM
MOV
(21)
#11
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2450
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000336
(002449)
502.08
SEPLEVE
LALARM
MOV
(21)
#13
510
[OP1]
[OP2]

_2MINU
SLINES
MINUSD
ISPLAY
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
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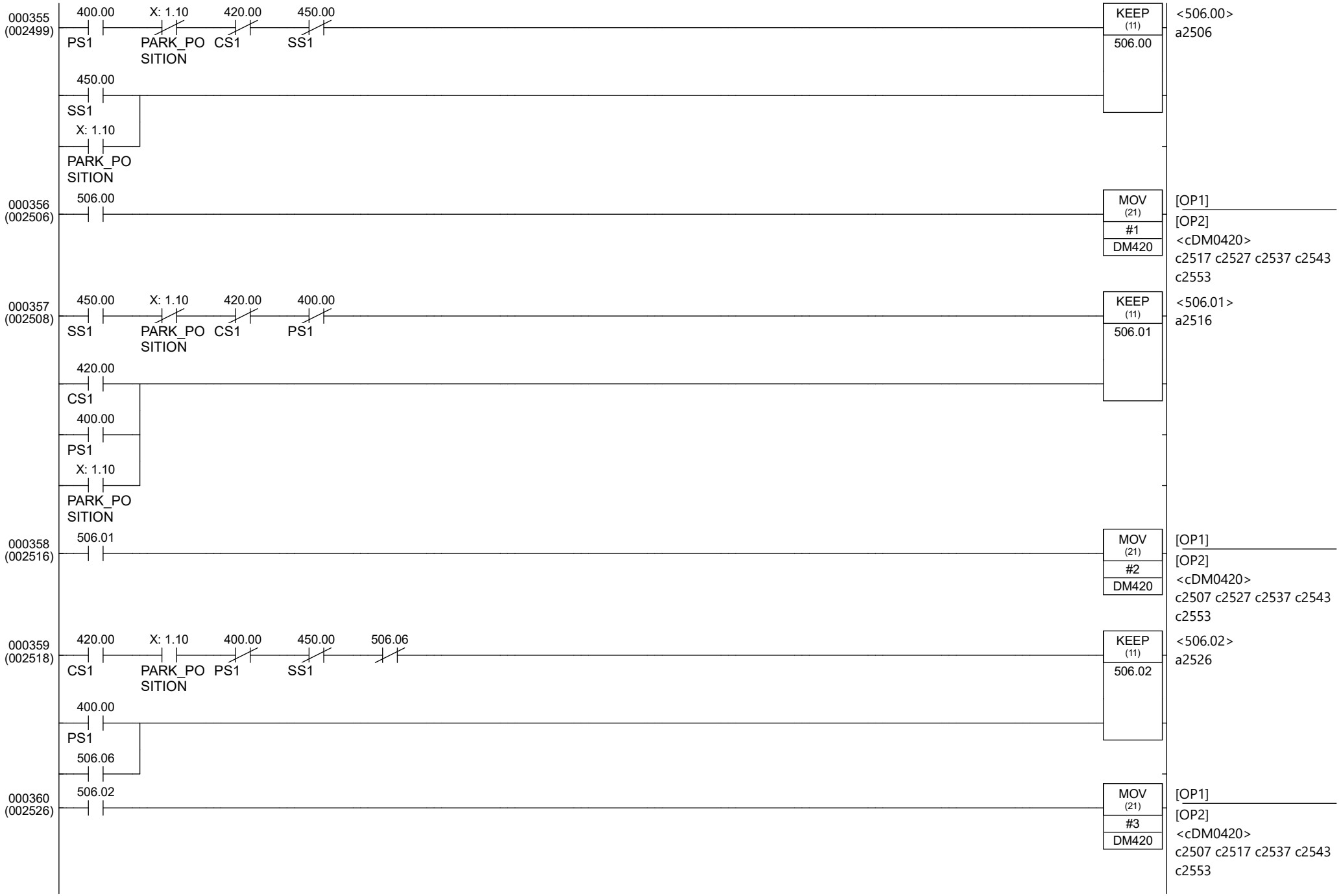
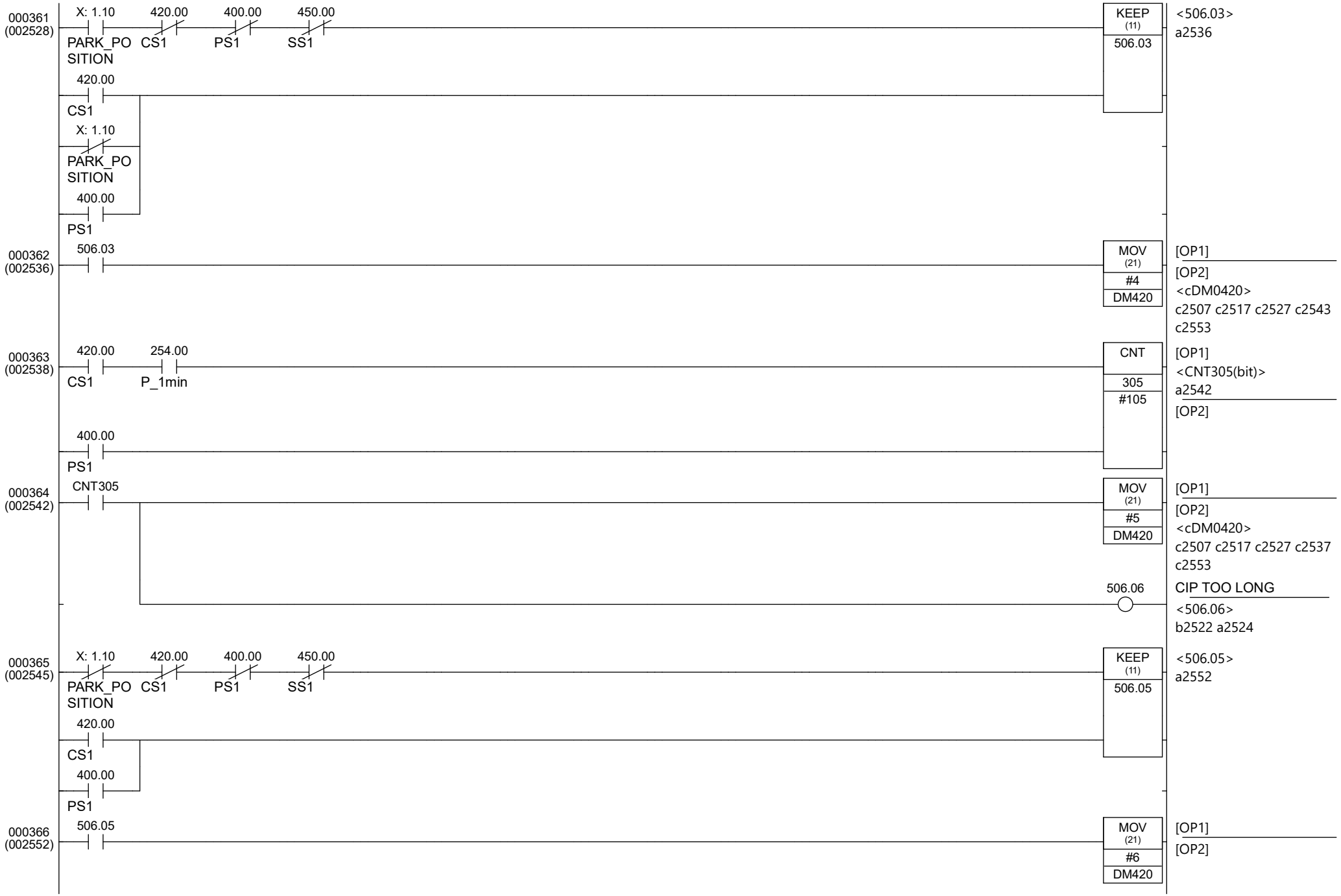
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2452 c2454 c2456 c2458
c2460 c2463 c2466
000337
(002451)
501.06
STLOWA
LARM
MOV
(21)
#14
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2450 c2454 c2456 c2458
c2460 c2463 c2466
000338
(002453)
X: 1.01
I101
MOV
(21)
#20
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2450 c2452 c2456 c2458
c2460 c2463 c2466
000339
(002455)
X: 1.02
I102
MOV
(21)
#21
510
_2MINU
SLINES
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338

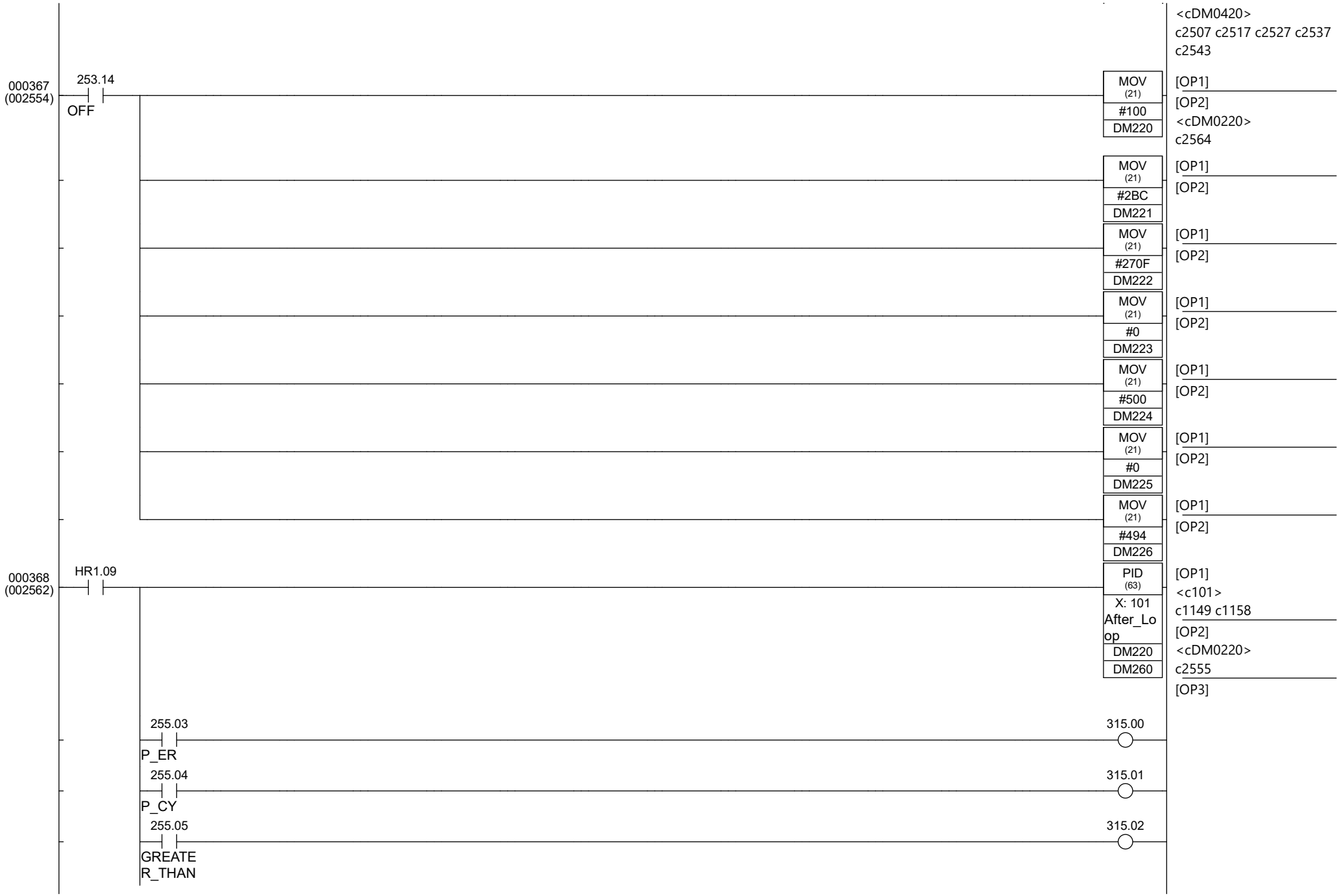
MINUSD
ISPLAY
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2450 c2452 c2454 c2458
c2460 c2463 c2466
000340
(002457)
X: 1.03
I103
MOV
(21)
#22
510
[OP1]
[OP2]
<c510>
_2MINU
SLINES
MINUSD
ISPLAY
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2450 c2452 c2454 c2456
c2460 c2463 c2466
000341
(002459)
X: 1.04
I104_P11
6_fault
MOV
(21)
#23
510
[OP1]
[OP2]
<c510>
_2MINU
SLINES
MINUSD
ISPLAY
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2450 c2452 c2454 c2456
c2458 c2463 c2466
000342
(002461)
X: 1.05
I105_P11
8_fault
253.14
OFF
MOV
(21)
#24
510
[OP1]
[OP2]
<c510>
_2MINU
SLINES
MINUSD
ISPLAY
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411

000343
(002464)
X: 0.08
I008
233.08
MOV
(21)
#25
510
_2MINU
SLINES
MINUSD
ISPLAY
[OP1]
[OP2]
<c510>
c2318 c2321 c2324 c2327
c2330 c2333 c2336 c2338
c2341 c2356 c2359 c2374
c2377 c2380 c2387 c2390
c2393 c2396 c2405 c2411
c2414 c2417 c2419 c2422
c2425 c2428 c2430 c2432
c2434 c2436 c2438 c2440
c2442 c2444 c2446 c2448
c2450 c2452 c2454 c2456
c2458 c2460 c2463
000344
(002467)
253.13
ON
BIN
(23)
508
_2NDMI
NUSOM
RONMIN
USPLC
509
[OP1]
<c508>
c2470 c2472 c2474 c2476
[OP2]
<509.00>
a1657
<509.01>
a1655
<509.02>
a1653
000345
(002469)
502.12
VACUUM
ALARM
MOV
(21)
#1
508
_2NDMI
NUSOM
RONMIN
USPLC
[OP1]
[OP2]
<c508>
c2468 c2472 c2474 c2476
000346
(002471)
501.06
STLOWA
LARM
MOV
(21)
#4
508
_2NDMI
NUSOM
RONMIN
[OP1]
[OP2]
<c508>
c2468 c2470 c2474 c2476

USPLC
000347
(002473)
500.06
BTLOWA
LARM
MOV
(21)
#6
508
_2NDMI
NUSOM
RONMIN
USPLC
[OP1]
[OP2]
<c508>
c2468 c2470 c2472 c2476
000348
(002475)
502.00
HIGHPRE
SSW
MOV
(21)
#7
508
_2NDMI
NUSOM
RONMIN
USPLC
[OP1]
[OP2]
<c508>
c2468 c2470 c2472 c2474
000349
(002477)
420.00
CS1
TIM277
TIM
276
#1800
[OP1]
<TIM276(bit)>
a2480 a2497
[OP2]
000350
(002480)
TIM276
TIM
277
#300
[OP1]
<TIM277(bit)>
b2478
[OP2]
000351
(002482)
232.02
TO_contr
ol_PU64
311.09
P64AM
Y: 2.00
CR200
PRODUCT FEED PUMP
STARTER P64
311.09
P64AM
313.09
P64SCAD
AMAN
000352
(002488)
232.03
TO_contr
ol_P72
311.10
P72AM
Y: 2.01
CR201
SEPARATOR EXTRACT
PUMP P72
<2.01>
a2495
311.10
P72AM
313.10
P72SCAD
AMAN
000353
(002494)
420.04
CS3
Y: 2.01
CR201
TIM
278
#200
[OP1]
[OP2]
000354
(002497)
TIM276
232.01
<232.01>
a1487 a1489

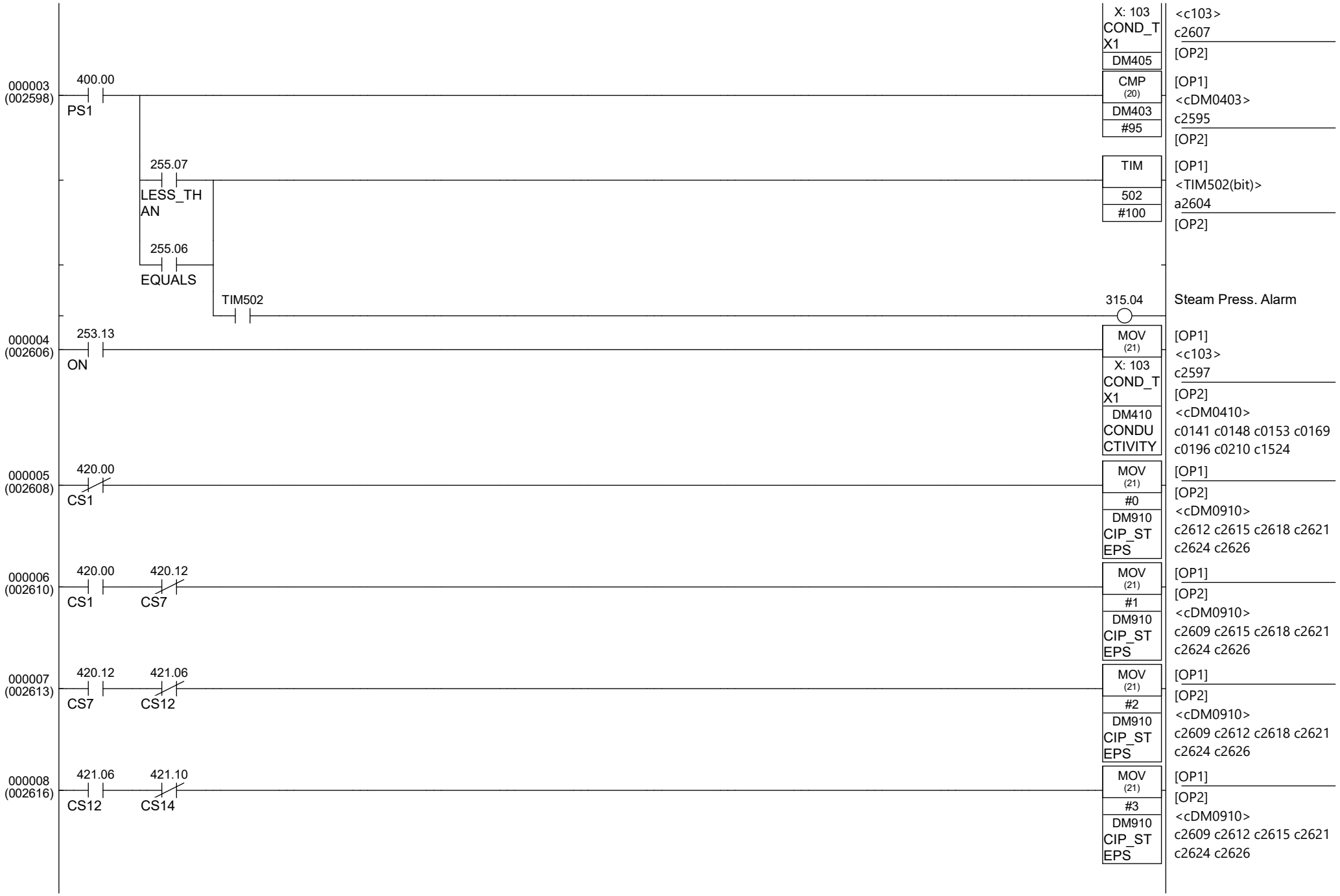

000355
(002499)
400.00
PS1
X: 1.10
PARK_POSITION
420.00
CS1
450.00
SS1
450.00
SS1
X: 1.10
PARK_POSITION
KEEP
(11)
506.00
<506.00>
a2506
000356
(002506)
506.00
MOV
(21)
#1
DM420
[OP1]
[OP2]
<cDM0420>
c2517 c2527 c2537 c2543
c2553
000357
(002508)
450.00
SS1
X: 1.10
PARK_POSITION
420.00
CS1
400.00
PS1
420.00
CS1
400.00
PS1
X: 1.10
PARK_POSITION
KEEP
(11)
506.01
<506.01>
a2516
000358
(002516)
506.01
MOV
(21)
#2
DM420
[OP1]
[OP2]
<cDM0420>
c2507 c2527 c2537 c2543
c2553
000359
(002518)
420.00
CS1
X: 1.10
PARK_POSITION
400.00
PS1
450.00
SS1
506.06
400.00
PS1
506.06
KEEP
(11)
506.02
<506.02>
a2526
000360
(002526)
506.02
MOV
(21)
#3
DM420
[OP1]
[OP2]
<cDM0420>
c2507 c2517 c2537 c2543
c2553

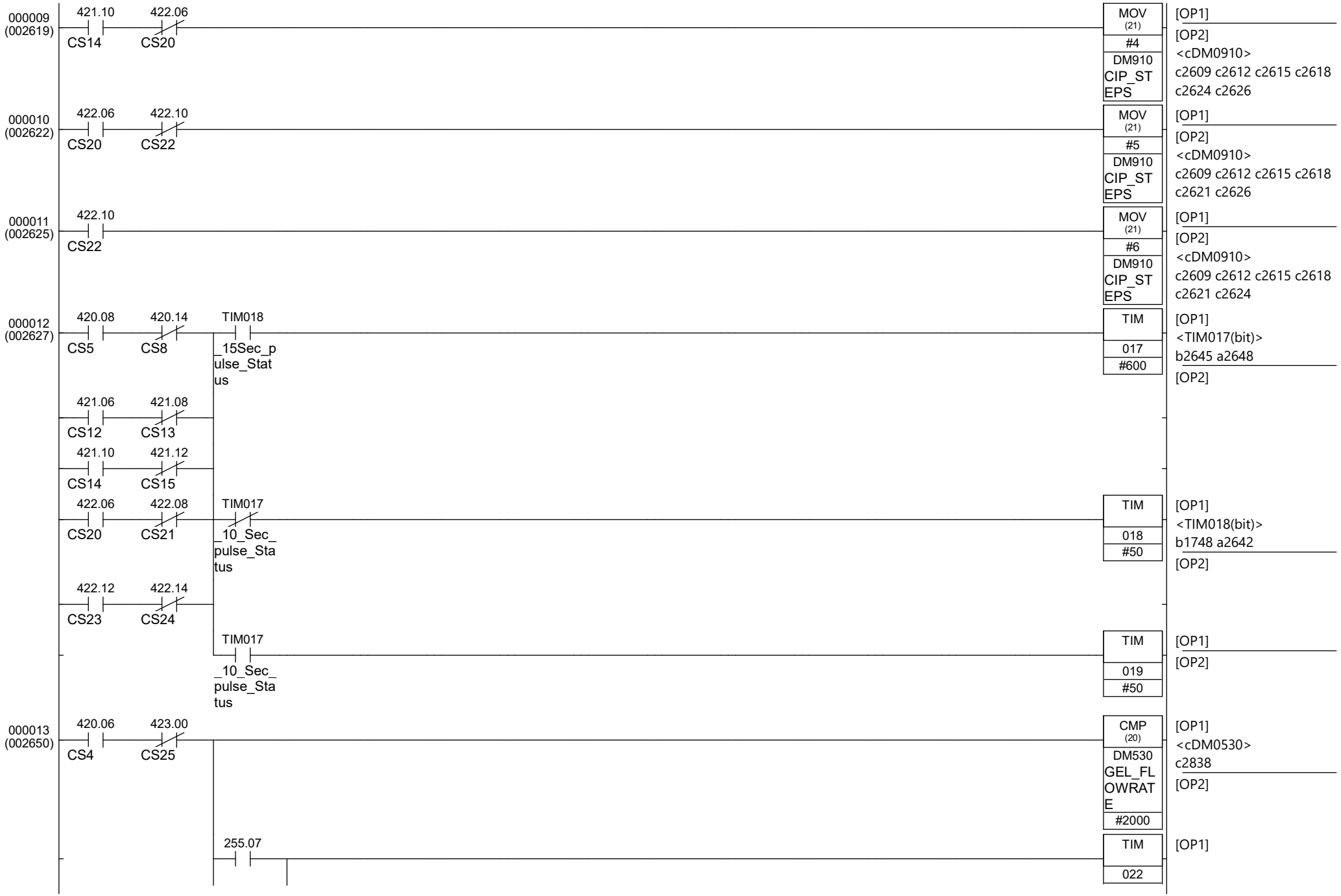

000361
(002528)
X: 1.10
PARK_POSITION
420.00
CS1
400.00
PS1
450.00
SS1
KEEP
(11)
506.03
<506.03>
a2536
420.00
CS1
X: 1.10
PARK_POSITION
400.00
PS1
000362
(002536)
506.03
MOV
(21)
#4
DM420
[OP1]
[OP2]
<cDM0420>
c2507 c2517 c2527 c2543
c2553
000363
(002538)
420.00
CS1
254.00
P_1min
CNT
305
#105
[OP1]
<CNT305(bit)>
a2542
[OP2]
400.00
PS1
000364
(002542)
CNT305
MOV
(21)
#5
DM420
[OP1]
[OP2]
<cDM0420>
c2507 c2517 c2527 c2537
c2553
506.06
CIP TOO LONG
<506.06>
b2522 a2524
000365
(002545)
X: 1.10
PARK_POSITION
420.00
CS1
400.00
PS1
450.00
SS1
KEEP
(11)
506.05
<506.05>
a2552
420.00
CS1
400.00
PS1
000366
(002552)
506.05
MOV
(21)
#6
DM420
[OP1]
[OP2]

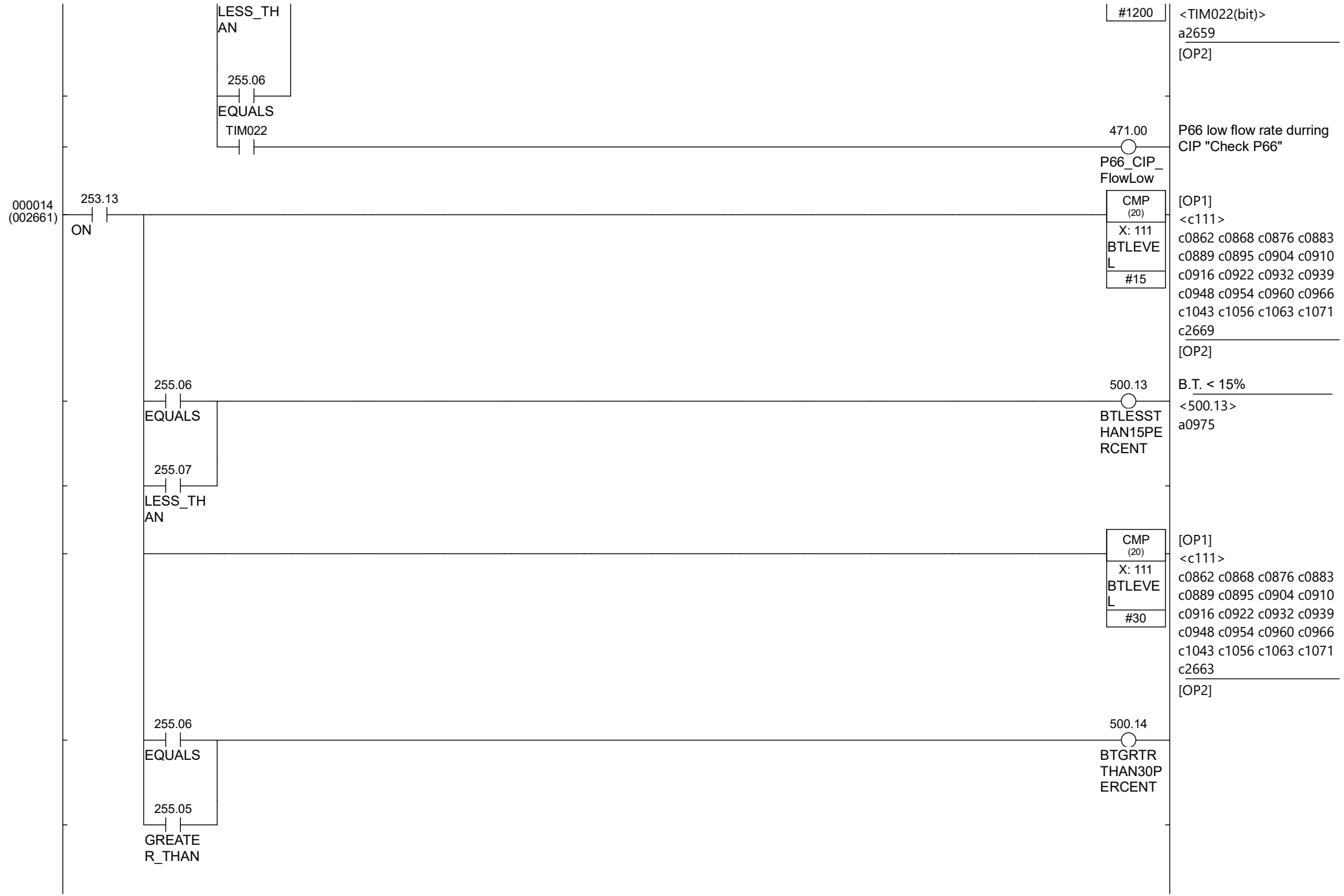

000367
(002554)
253.14
OFF
MOV
(21)
#100
DM220
<cDM0420>
c2507 c2517 c2527 c2537
c2543
[OP1]
[OP2]
<cDM0220>
c2564
MOV
(21)
#2BC
DM221
[OP1]
[OP2]
MOV
(21)
#270F
DM222
[OP1]
[OP2]
MOV
(21)
#0
DM223
[OP1]
[OP2]
MOV
(21)
#500
DM224
[OP1]
[OP2]
MOV
(21)
#0
DM225
[OP1]
[OP2]
MOV
(21)
#494
DM226
[OP1]
[OP2]
000368
(002562)
HR1.09
PID
(63)
X: 101
After_Loop
DM220
DM260
[OP1]
<c101>
c1149 c1158
[OP2]
<cDM0220>
c2555
[OP3]
255.03
P_ER
315.00
255.04
P_CY
315.01
255.05
GREATER_THAN
315.02

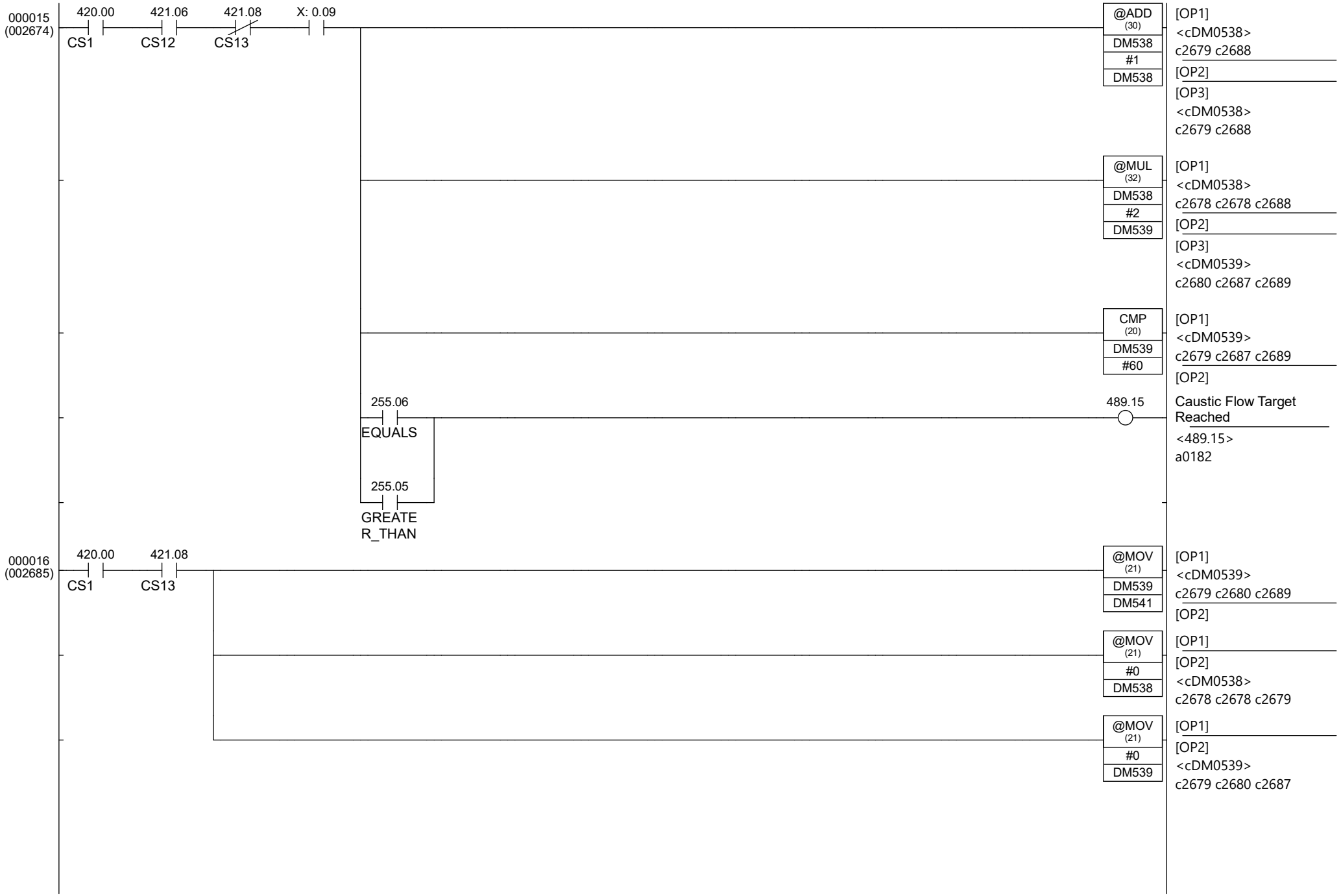
255.07
LESS_THAN
315.03

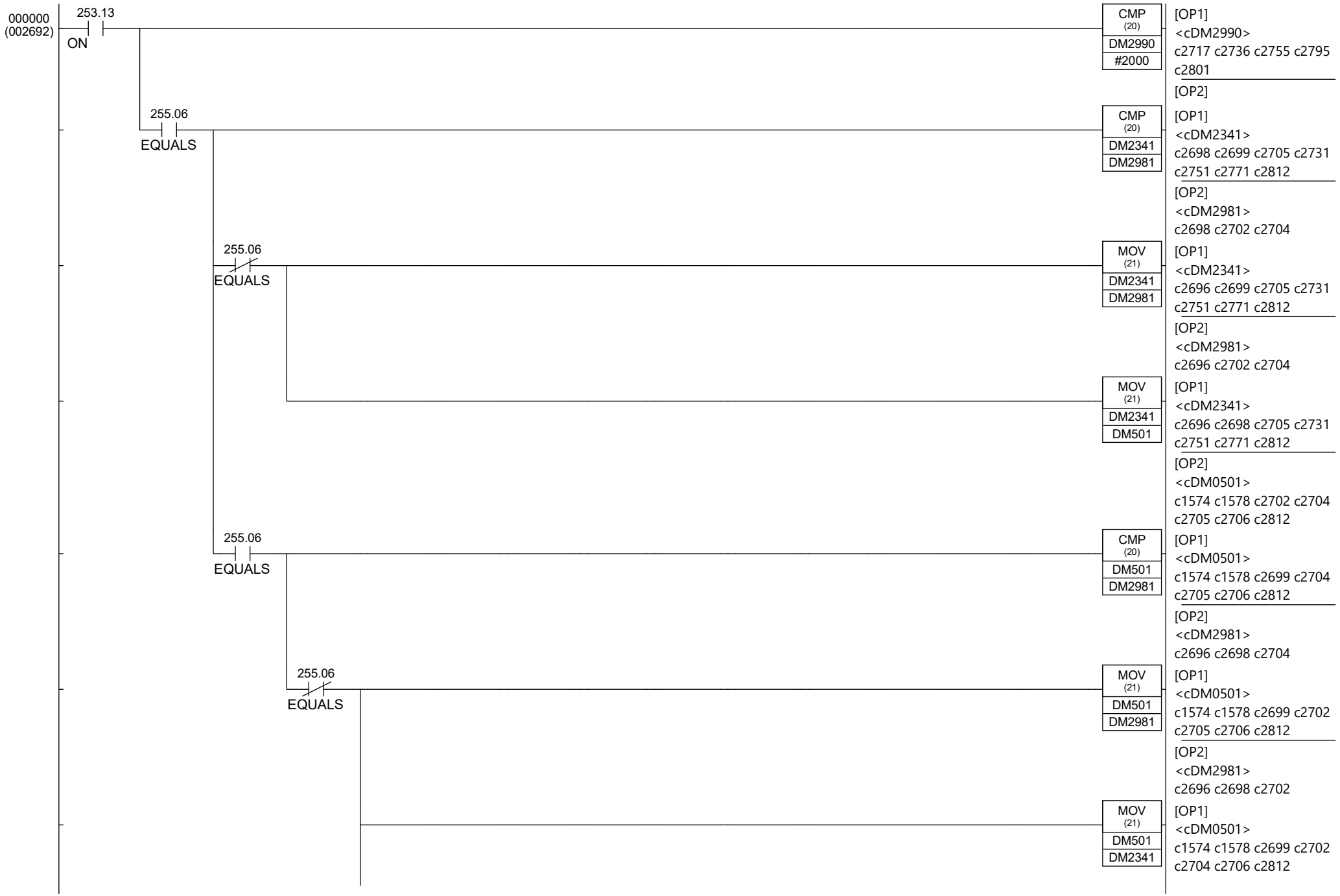
000000
(002577)
420.00
CS1
CMP
(20)
DM500
Before_loop
#90
[OP1]
<cDM0500>
c0063 c1166 c2585 c2810
[OP2]
255.05
GREATER_THAN
255.06
EQUALS
480.03
LoopTempGRTRTHAN95c
loop temp >/= 95c stop steam
<480.03>
b1766
CMP
(20)
DM500
Before_loop
#85
[OP1]
<cDM0500>
c0063 c1166 c2579 c2810
[OP2]
255.07
LESS_THAN
255.06
EQUALS
480.04
LoopTempLESSTHAN85c
loop temp </= 85c start steam
<480.04>
a1767
000001
(002590)
400.00
PS1
X: 1.10
PARK_POSITION
KEEP
(11)
500.15
Batch_Start
450.00
SS1
000002
(002594)
253.13
ON
MOV
(21)
X: 113
STEAM_PRESS_TX
DM403
[OP1]
[OP2]
<cDM0403>
c2599
MOV
(21)
X: 114
CIP_CAUSTIC_FLOW
DM404
[OP1]
[OP2]
MOV
(21)
[OP1]


000003
(002598)
400.00
PS1
255.07
LESS_THAN
255.06
EQUALS
TIM502
X: 103
COND_TX1
DM405
<c103>
c2607
[OP2]
CMP
(20)
DM403
#95
[OP1]
<cDM0403>
c2595
[OP2]
TIM
502
#100
[OP1]
<TIM502(bit)>
a2604
[OP2]
315.04
Steam Press. Alarm
000004
(002606)
253.13
ON
MOV
(21)
X: 103
COND_TX1
DM410
CONDUCTIVITY
[OP1]
<c103>
c2597
[OP2]
<cDM0410>
c0141 c0148 c0153 c0169
c0196 c0210 c1524
000005
(002608)
420.00
CS1
MOV
(21)
#0
DM910
CIP_STEPS
[OP1]
[OP2]
<cDM0910>
c2612 c2615 c2618 c2621
c2624 c2626
000006
(002610)
420.00
CS1
420.12
CS7
MOV
(21)
#1
DM910
CIP_STEPS
[OP1]
[OP2]
<cDM0910>
c2609 c2615 c2618 c2621
c2624 c2626
000007
(002613)
420.12
CS7
421.06
CS12
MOV
(21)
#2
DM910
CIP_STEPS
[OP1]
[OP2]
<cDM0910>
c2609 c2612 c2618 c2621
c2624 c2626
000008
(002616)
421.06
CS12
421.10
CS14
MOV
(21)
#3
DM910
CIP_STEPS
[OP1]
[OP2]
<cDM0910>
c2609 c2612 c2615 c2621
c2624 c2626

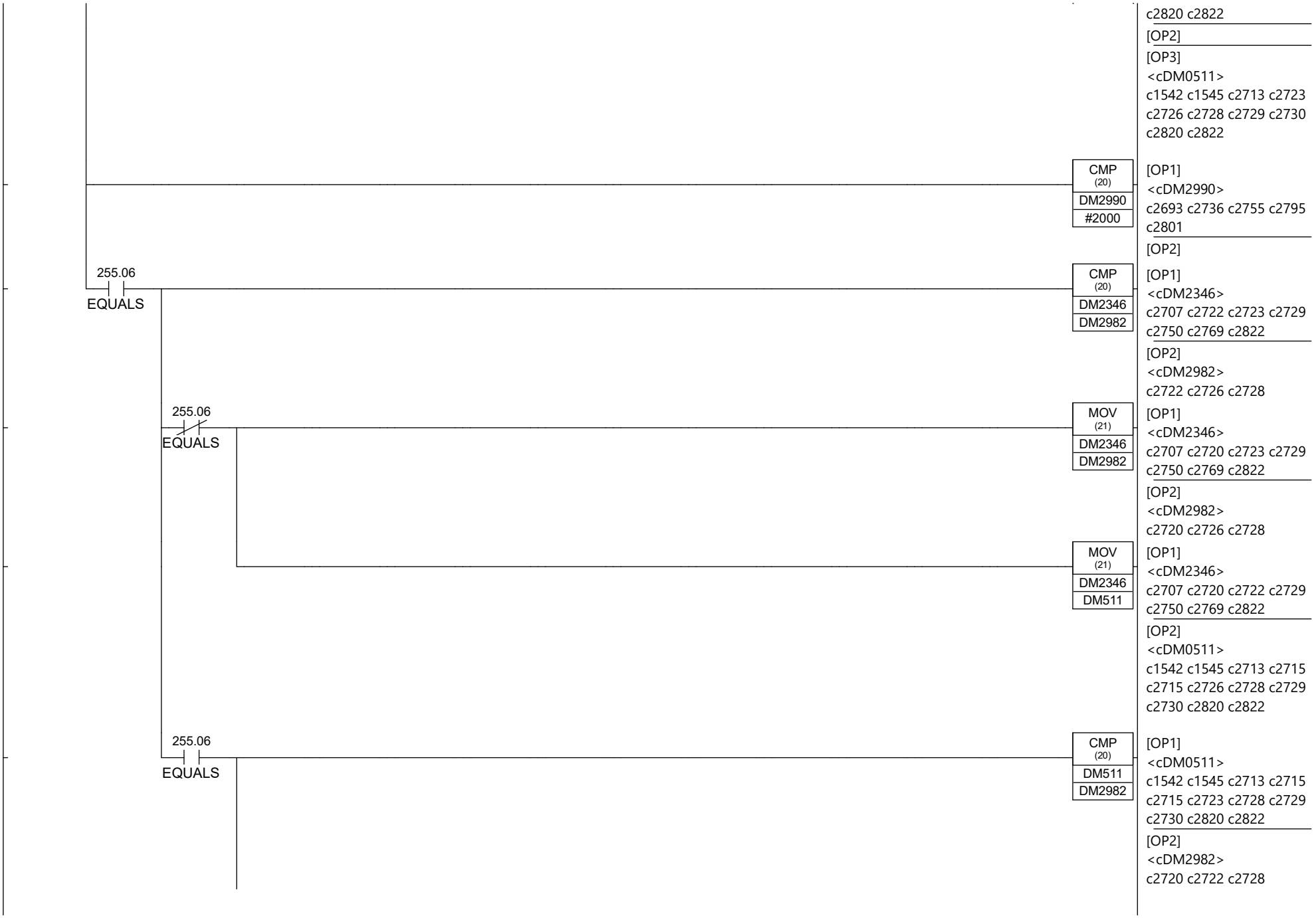

000009
(002619)
421.10
CS14
422.06
CS20
MOV
(21)
#4
DM910
CIP_ST
EPS
[OP1]
[OP2]
<cDM0910>
c2609 c2612 c2615 c2618
c2624 c2626
000010
(002622)
422.06
CS20
422.10
CS22
MOV
(21)
#5
DM910
CIP_ST
EPS
[OP1]
[OP2]
<cDM0910>
c2609 c2612 c2615 c2618
c2621 c2626
000011
(002625)
422.10
CS22
MOV
(21)
#6
DM910
CIP_ST
EPS
[OP1]
[OP2]
<cDM0910>
c2609 c2612 c2615 c2618
c2621 c2624
000012
(002627)
420.08
CS5
420.14
CS8
TIM018
_15Sec_p
ulse_Stat
us
TIM
017
#600
[OP1]
<TIM017(bit)>
b2645 a2648
[OP2]
421.06
CS12
421.08
CS13
421.10
CS14
421.12
CS15
422.06
CS20
422.08
CS21
TIM017
_10_Sec_
pulse_Sta
tus
TIM
018
#50
[OP1]
<TIM018(bit)>
b1748 a2642
[OP2]
422.12
CS23
422.14
CS24
TIM017
_10_Sec_
pulse_Sta
tus
TIM
019
#50
[OP1]
[OP2]
000013
(002650)
420.06
CS4
423.00
CS25
CMP
(20)
DM530
GEL_FL
OWRAT
E
#2000
[OP1]
<cDM0530>
c2838
[OP2]
255.07
TIM
022
[OP1]

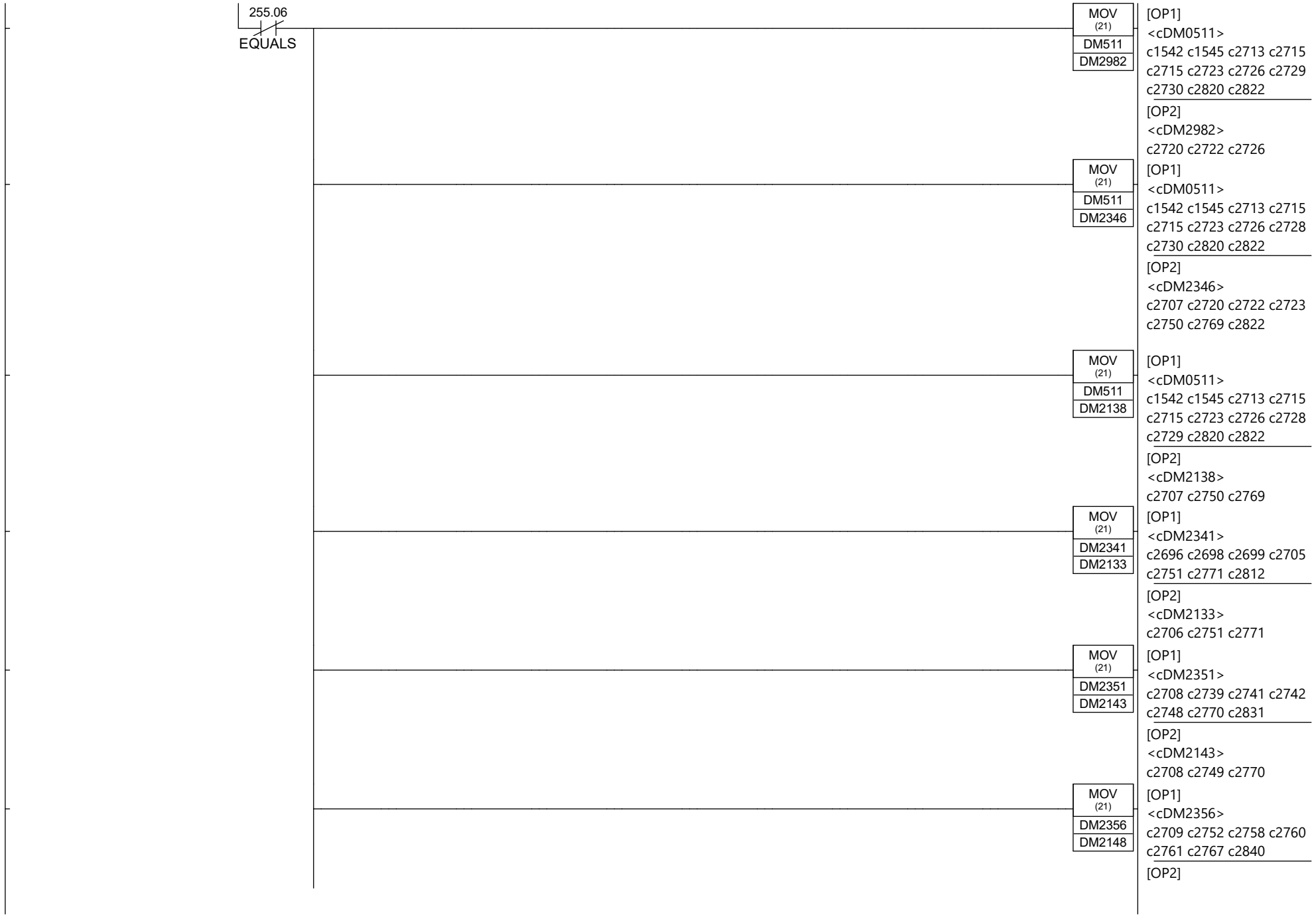

LESS_TH
AN
255.06
EQUALS
TIM022
#1200
<TIM022(bit)>
a2659
[OP2]
471.00
P66_CIP_
FlowLow
P66 low flow rate durring
CIP "Check P66"
000014
(002661)
253.13
ON
CMP
(20)
X: 111
BTLEVE
L
#15
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0948 c0954 c0960 c0966
c1043 c1056 c1063 c1071
c2669
[OP2]
255.06
EQUALS
500.13
BTLESST
HAN15PE
RCENT
B.T. < 15%
<500.13>
a0975
255.07
LESS_TH
AN
CMP
(20)
X: 111
BTLEVE
L
#30
[OP1]
<c111>
c0862 c0868 c0876 c0883
c0889 c0895 c0904 c0910
c0916 c0922 c0932 c0939
c0948 c0954 c0960 c0966
c1043 c1056 c1063 c1071
c2663
[OP2]
255.06
EQUALS
500.14
BTGRTR
THAN30P
ERCENT
255.05
GREATE
R_THAN

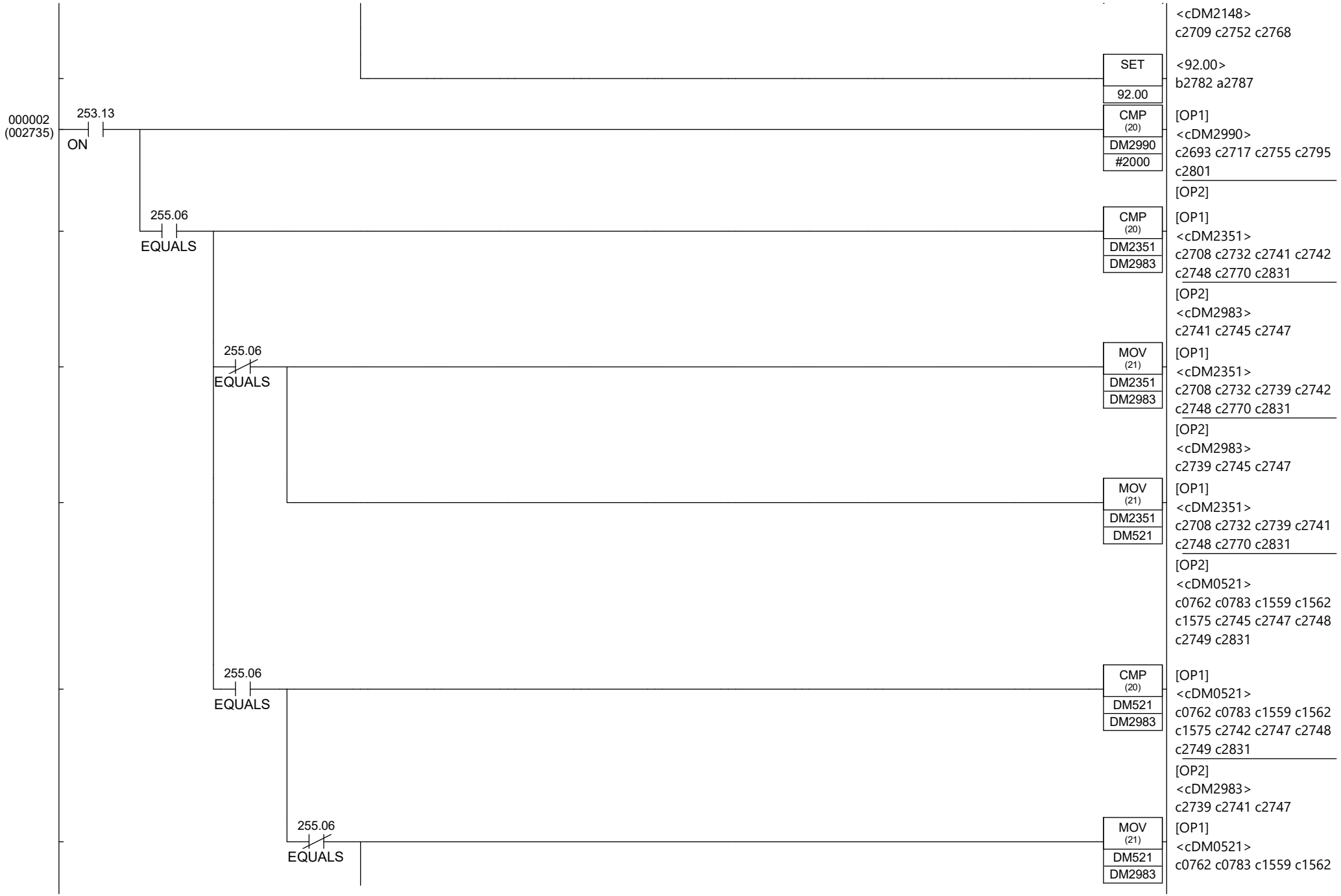

000015
(002674)
420.00
CS1
421.06
CS12
421.08
CS13
X: 0.09
@ADD
(30)
DM538
#1
DM538
[OP1]
<cDM0538>
c2679 c2688
[OP2]
[OP3]
<cDM0538>
c2679 c2688
@MUL
(32)
DM538
#2
DM539
[OP1]
<cDM0538>
c2678 c2678 c2688
[OP2]
[OP3]
<cDM0539>
c2680 c2687 c2689
CMP
(20)
DM539
#60
[OP1]
<cDM0539>
c2679 c2687 c2689
[OP2]
255.06
EQUALS
255.05
GREATE
R_THAN
489.15
Caustic Flow Target
Reached
<489.15>
a0182
000016
(002685)
420.00
CS1
421.08
CS13
@MOV
(21)
DM539
DM541
[OP1]
<cDM0539>
c2679 c2680 c2689
[OP2]
@MOV
(21)
#0
DM538
[OP1]
[OP2]
<cDM0538>
c2678 c2678 c2679
@MOV
(21)
#0
DM539
[OP1]
[OP2]
<cDM0539>
c2679 c2680 c2687


000000
(002692)
253.13
ON
CMP
(20)
DM2990
#2000
[OP1]
<cDM2990>
c2717 c2736 c2755 c2795
c2801
[OP2]
255.06
EQUALS
CMP
(20)
DM2341
DM2981
[OP1]
<cDM2341>
c2698 c2699 c2705 c2731
c2751 c2771 c2812
[OP2]
<cDM2981>
c2698 c2702 c2704
255.06
EQUALS
MOV
(21)
DM2341
DM2981
[OP1]
<cDM2341>
c2696 c2699 c2705 c2731
c2751 c2771 c2812
[OP2]
<cDM2981>
c2696 c2702 c2704
MOV
(21)
DM2341
DM501
[OP1]
<cDM2341>
c2696 c2698 c2705 c2731
c2751 c2771 c2812
[OP2]
<cDM0501>
c1574 c1578 c2702 c2704
c2705 c2706 c2812
255.06
EQUALS
CMP
(20)
DM501
DM2981
[OP1]
<cDM0501>
c1574 c1578 c2699 c2704
c2705 c2706 c2812
[OP2]
<cDM2981>
c2696 c2698 c2704
255.06
EQUALS
MOV
(21)
DM501
DM2981
[OP1]
<cDM0501>
c1574 c1578 c2699 c2702
c2705 c2706 c2812
[OP2]
<cDM2981>
c2696 c2698 c2702
MOV
(21)
DM501
DM2341
[OP1]
<cDM0501>
c1574 c1578 c2699 c2702
c2704 c2706 c2812

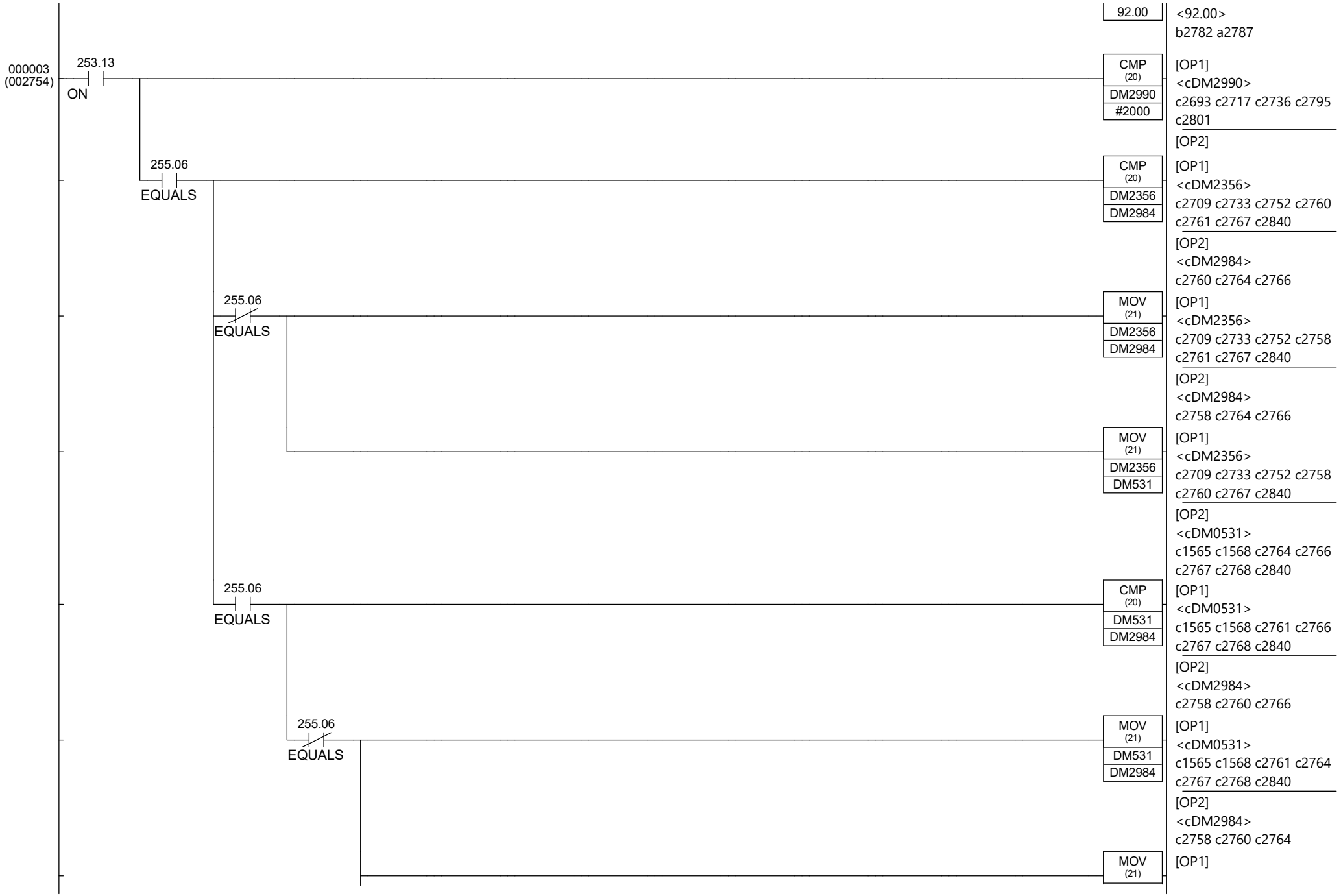
[OP2]
<cDM2341>
c2696 c2698 c2699 c2731
c2751 c2771 c2812
MOV
(21)
DM501
DM2133
[OP1]
<cDM0501>
c1574 c1578 c2699 c2702
c2704 c2705 c2812
[OP2]
<cDM2133>
c2731 c2751 c2771
MOV
(21)
DM2346
DM2138
[OP1]
<cDM2346>
c2720 c2722 c2723 c2729
c2750 c2769 c2822
[OP2]
<cDM2138>
c2730 c2750 c2769
MOV
(21)
DM2351
DM2143
[OP1]
<cDM2351>
c2732 c2739 c2741 c2742
c2748 c2770 c2831
[OP2]
<cDM2143>
c2732 c2749 c2770
MOV
(21)
DM2356
DM2148
[OP1]
<cDM2356>
c2733 c2752 c2758 c2760
c2761 c2767 c2840
[OP2]
<cDM2148>
c2733 c2752 c2768
SET
92.00
<92.00>
b2782 a2787
000001
(002711)
253.13
ON
CMP
(20)
DM511
#0
[OP1]
<cDM0511>
c1542 c1545 c2715 c2715
c2723 c2726 c2728 c2729
c2730 c2820 c2822
[OP2]
255.06
EQUALS
ORW
(35)
DM511
#F000
DM511
[OP1]
<cDM0511>
c1542 c1545 c2713 c2723
c2726 c2728 c2729 c2730

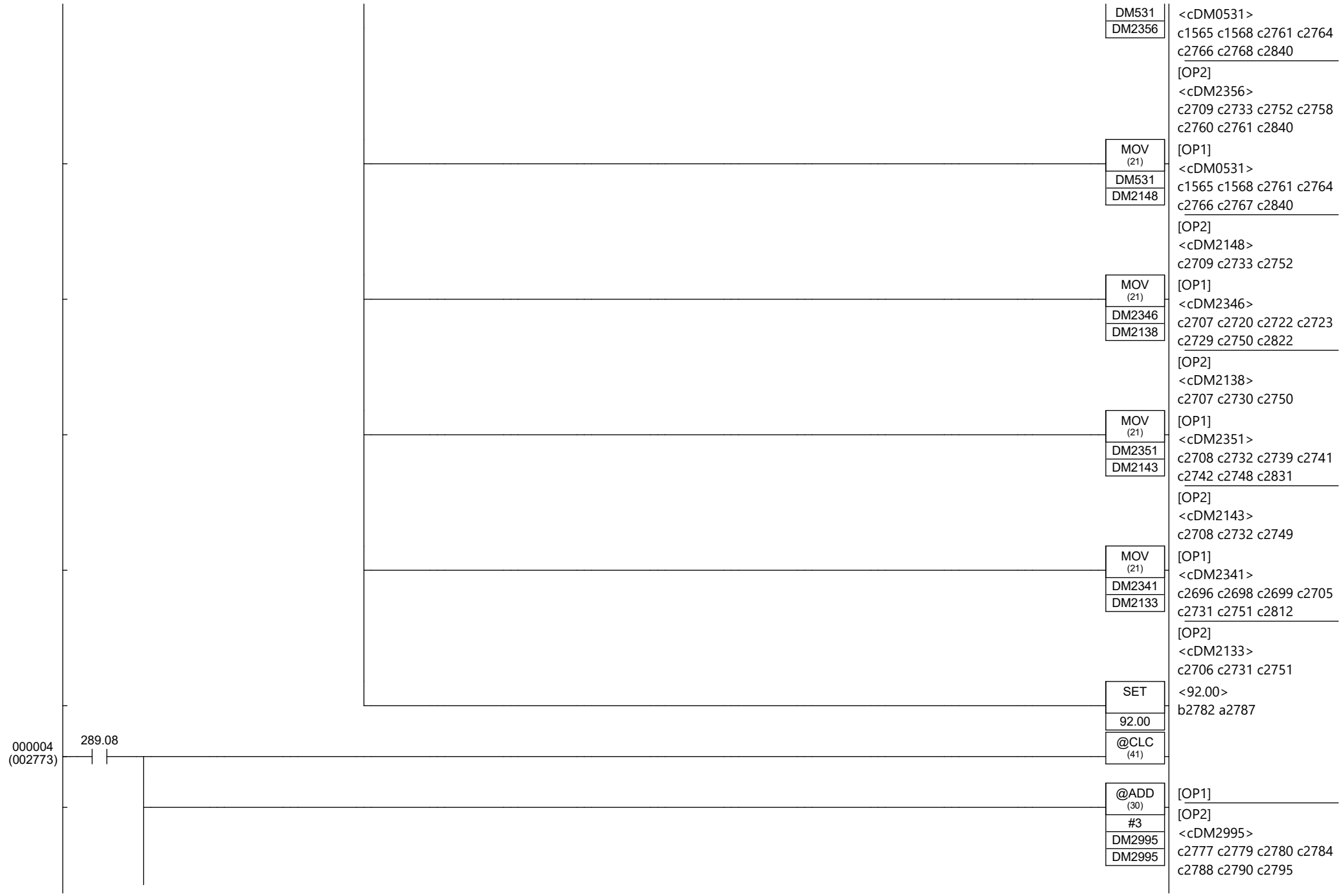

255.06
EQUALS
CMP
(20)
DM2990
#2000
[OP1]
<cDM2990>
c2693 c2736 c2755 c2795
c2801
[OP2]
255.06
EQUALS
CMP
(20)
DM2346
DM2982
[OP1]
<cDM2346>
c2707 c2722 c2723 c2729
c2750 c2769 c2822
[OP2]
<cDM2982>
c2722 c2726 c2728
255.06
EQUALS
MOV
(21)
DM2346
DM2982
[OP1]
<cDM2346>
c2707 c2720 c2723 c2729
c2750 c2769 c2822
[OP2]
<cDM2982>
c2720 c2726 c2728
MOV
(21)
DM2346
DM511
[OP1]
<cDM2346>
c2707 c2720 c2722 c2729
c2750 c2769 c2822
[OP2]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2726 c2728 c2729
c2730 c2820 c2822
255.06
EQUALS
CMP
(20)
DM511
DM2982
[OP1]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2723 c2728 c2729
c2730 c2820 c2822
[OP2]
<cDM2982>
c2720 c2722 c2728
c2820 c2822
[OP2]
[OP3]
<cDM0511>
c1542 c1545 c2713 c2723
c2726 c2728 c2729 c2730
c2820 c2822

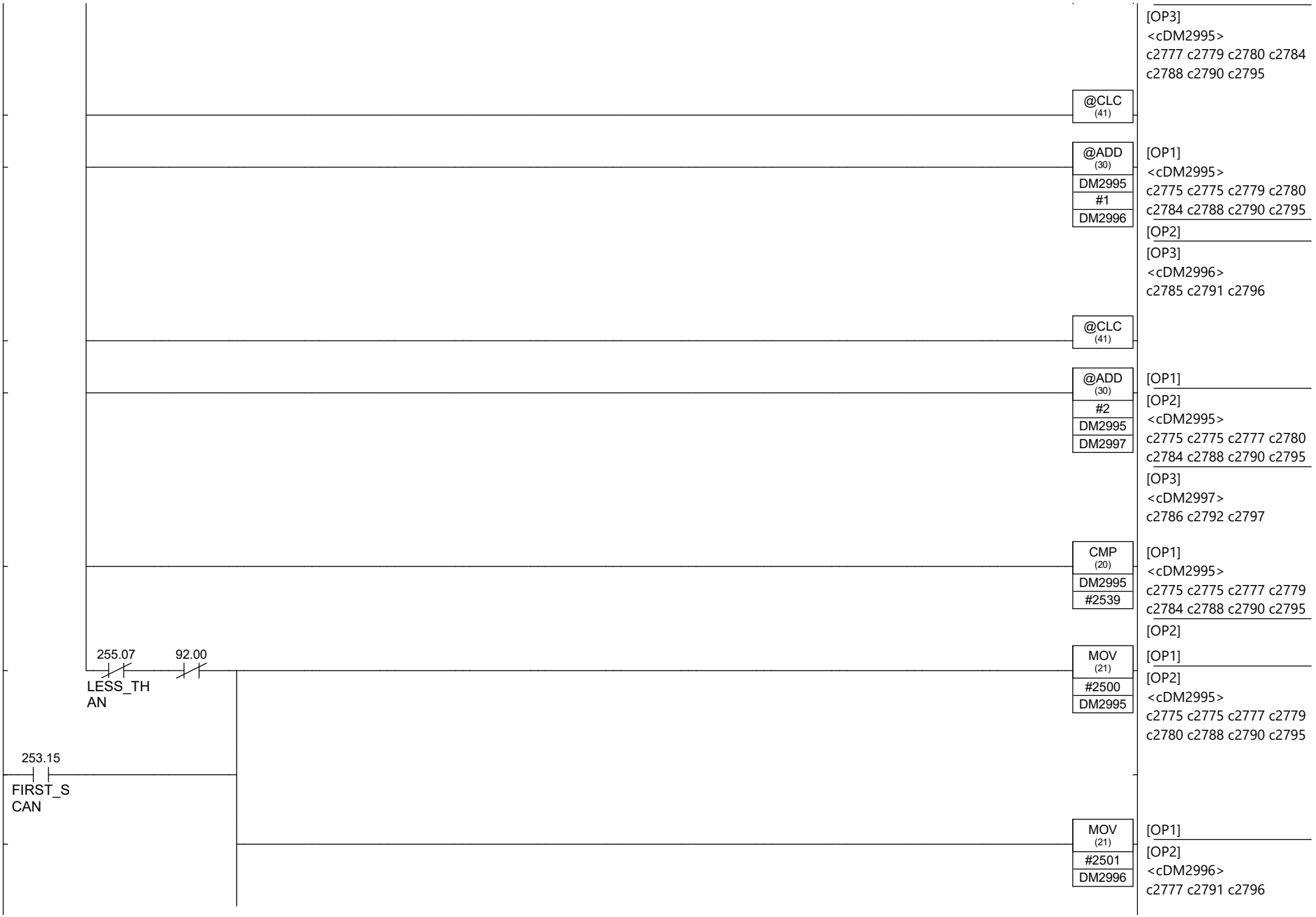

255.06
EQUALS
MOV
(21)
DM511
DM2982
[OP1]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2723 c2726 c2729
c2730 c2820 c2822
[OP2]
<cDM2982>
c2720 c2722 c2726
MOV
(21)
DM511
DM2346
[OP1]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2723 c2726 c2728
c2730 c2820 c2822
[OP2]
<cDM2346>
c2707 c2720 c2722 c2723
c2750 c2769 c2822
MOV
(21)
DM511
DM2138
[OP1]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2723 c2726 c2728
c2729 c2820 c2822
[OP2]
<cDM2138>
c2707 c2750 c2769
MOV
(21)
DM2341
DM2133
[OP1]
<cDM2341>
c2696 c2698 c2699 c2705
c2751 c2771 c2812
[OP2]
<cDM2133>
c2706 c2751 c2771
MOV
(21)
DM2351
DM2143
[OP1]
<cDM2351>
c2708 c2739 c2741 c2742
c2748 c2770 c2831
[OP2]
<cDM2143>
c2708 c2749 c2770
MOV
(21)
DM2356
DM2148
[OP1]
<cDM2356>
c2709 c2752 c2758 c2760
c2761 c2767 c2840
[OP2]


000002
(002735)
253.13
ON
SET
92.00
<92.00>
b2782 a2787
CMP
(20)
DM2990
#2000
[OP1]
<cDM2990>
c2693 c2717 c2755 c2795
c2801
[OP2]
255.06
EQUALS
CMP
(20)
DM2351
DM2983
[OP1]
<cDM2351>
c2708 c2732 c2741 c2742
c2748 c2770 c2831
[OP2]
<cDM2983>
c2741 c2745 c2747
255.06
EQUALS
MOV
(21)
DM2351
DM2983
[OP1]
<cDM2351>
c2708 c2732 c2739 c2742
c2748 c2770 c2831
[OP2]
<cDM2983>
c2739 c2745 c2747
MOV
(21)
DM2351
DM521
[OP1]
<cDM2351>
c2708 c2732 c2739 c2741
c2748 c2770 c2831
[OP2]
<cDM0521>
c0762 c0783 c1559 c1562
c1575 c2745 c2747 c2748
c2749 c2831
255.06
EQUALS
CMP
(20)
DM521
DM2983
[OP1]
<cDM0521>
c0762 c0783 c1559 c1562
c1575 c2742 c2747 c2748
c2749 c2831
[OP2]
<cDM2983>
c2739 c2741 c2747
255.06
EQUALS
MOV
(21)
DM521
DM2983
[OP1]
<cDM0521>
c0762 c0783 c1559 c1562

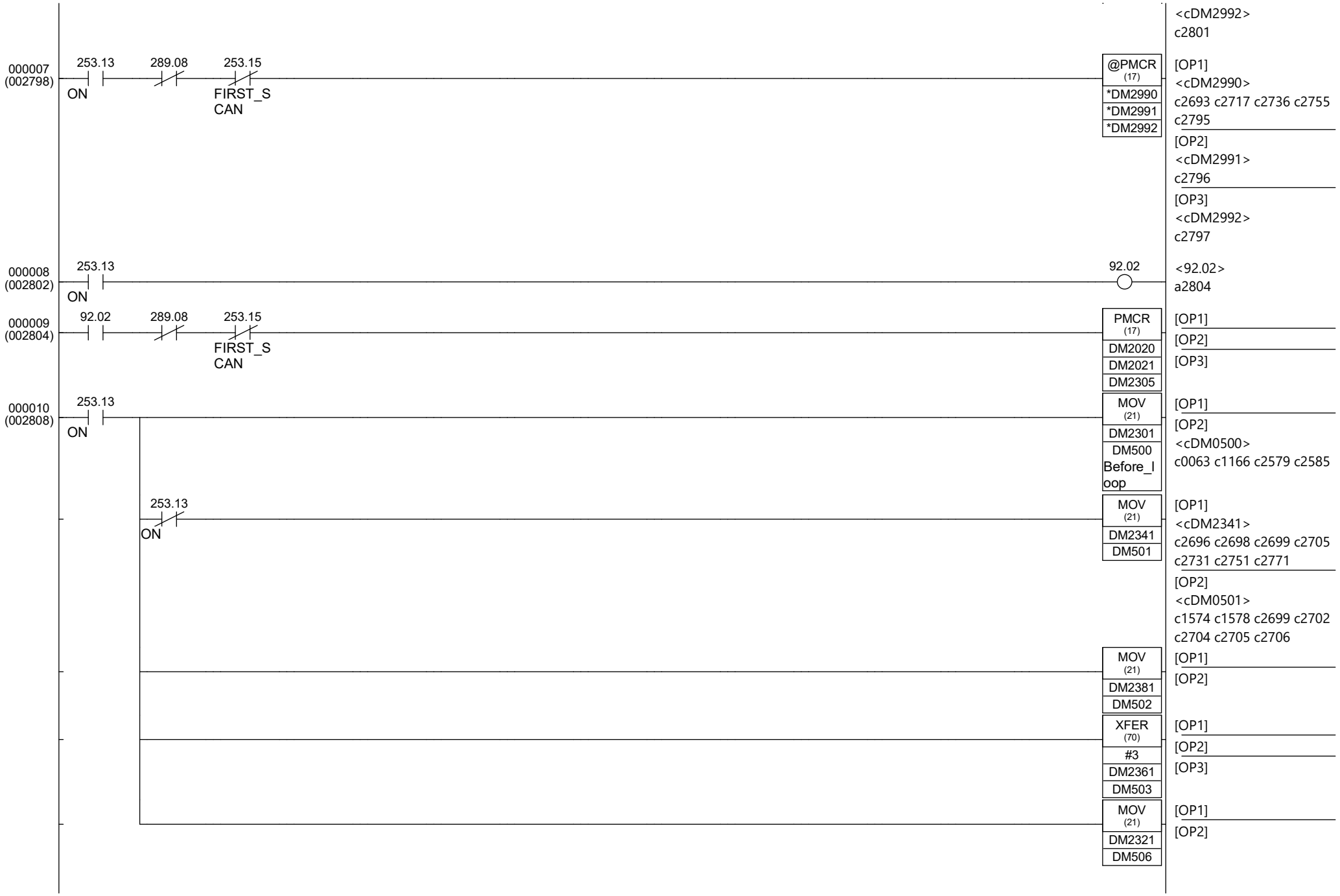
c1575 c2742 c2745 c2748
c2749 c2831
[OP2]
<cDM2983>
c2739 c2741 c2745
MOV
(21)
DM521
DM2351
[OP1]
<cDM0521>
c0762 c0783 c1559 c1562
c1575 c2742 c2745 c2747
c2749 c2831
[OP2]
<cDM2351>
c2708 c2732 c2739 c2741
c2742 c2770 c2831
MOV
(21)
DM521
DM2143
[OP1]
<cDM0521>
c0762 c0783 c1559 c1562
c1575 c2742 c2745 c2747
c2748 c2831
[OP2]
<cDM2143>
c2708 c2732 c2770
MOV
(21)
DM2346
DM2138
[OP1]
<cDM2346>
c2707 c2720 c2722 c2723
c2729 c2769 c2822
[OP2]
<cDM2138>
c2707 c2730 c2769
MOV
(21)
DM2341
DM2133
[OP1]
<cDM2341>
c2696 c2698 c2699 c2705
c2731 c2771 c2812
[OP2]
<cDM2133>
c2706 c2731 c2771
MOV
(21)
DM2356
DM2148
[OP1]
<cDM2356>
c2709 c2733 c2758 c2760
c2761 c2767 c2840
[OP2]
<cDM2148>
c2709 c2733 c2768
SET


92.00
<92.00>
b2782 a2787
000003
(002754)
253.13
ON
CMP
(20)
DM2990
#2000
[OP1]
<cDM2990>
c2693 c2717 c2736 c2795
c2801
[OP2]
255.06
EQUALS
CMP
(20)
DM2356
DM2984
[OP1]
<cDM2356>
c2709 c2733 c2752 c2760
c2761 c2767 c2840
[OP2]
<cDM2984>
c2760 c2764 c2766
255.06
EQUALS
MOV
(21)
DM2356
DM2984
[OP1]
<cDM2356>
c2709 c2733 c2752 c2758
c2761 c2767 c2840
[OP2]
<cDM2984>
c2758 c2764 c2766
MOV
(21)
DM2356
DM531
[OP1]
<cDM2356>
c2709 c2733 c2752 c2758
c2760 c2767 c2840
[OP2]
<cDM0531>
c1565 c1568 c2764 c2766
c2767 c2768 c2840
255.06
EQUALS
CMP
(20)
DM531
DM2984
[OP1]
<cDM0531>
c1565 c1568 c2761 c2766
c2767 c2768 c2840
[OP2]
<cDM2984>
c2758 c2760 c2766
255.06
EQUALS
MOV
(21)
DM531
DM2984
[OP1]
<cDM0531>
c1565 c1568 c2761 c2764
c2767 c2768 c2840
[OP2]
<cDM2984>
c2758 c2760 c2764
MOV
(21)
[OP1]


DM531
DM2356
<cDM0531>
c1565 c1568 c2761 c2764
c2766 c2768 c2840
[OP2]
<cDM2356>
c2709 c2733 c2752 c2758
c2760 c2761 c2840
MOV
(21)
DM531
DM2148
[OP1]
<cDM0531>
c1565 c1568 c2761 c2764
c2766 c2767 c2840
[OP2]
<cDM2148>
c2709 c2733 c2752
MOV
(21)
DM2346
DM2138
[OP1]
<cDM2346>
c2707 c2720 c2722 c2723
c2729 c2750 c2822
[OP2]
<cDM2138>
c2707 c2730 c2750
MOV
(21)
DM2351
DM2143
[OP1]
<cDM2351>
c2708 c2732 c2739 c2741
c2742 c2748 c2831
[OP2]
<cDM2143>
c2708 c2732 c2749
MOV
(21)
DM2341
DM2133
[OP1]
<cDM2341>
c2696 c2698 c2699 c2705
c2731 c2751 c2812
[OP2]
<cDM2133>
c2706 c2731 c2751
SET
92.00
<92.00>
b2782 a2787
000004
(002773)
289.08
@CLC
(41)
@ADD
(30)
#3
DM2995
DM2995
[OP1]
[OP2]
<cDM2995>
c2777 c2779 c2780 c2784
c2788 c2790 c2795


[OP3]
<cDM2995>
c2777 c2779 c2780 c2784
c2788 c2790 c2795
@CLC
(41)
@ADD
(30)
DM2995
#1
DM2996
[OP1]
<cDM2995>
c2775 c2775 c2779 c2780
c2784 c2788 c2790 c2795
[OP2]
[OP3]
<cDM2996>
c2785 c2791 c2796
@CLC
(41)
@ADD
(30)
#2
DM2995
DM2997
[OP1]
[OP2]
<cDM2995>
c2775 c2775 c2777 c2780
c2784 c2788 c2790 c2795
[OP3]
<cDM2997>
c2786 c2792 c2797
CMP
(20)
DM2995
#2539
[OP1]
<cDM2995>
c2775 c2775 c2777 c2779
c2784 c2788 c2790 c2795
[OP2]
255.07
92.00
LESS_TH
AN
MOV
(21)
#2500
DM2995
[OP1]
[OP2]
<cDM2995>
c2775 c2775 c2777 c2779
c2780 c2788 c2790 c2795
253.15
FIRST_S
CAN
MOV
(21)
#2501
DM2996
[OP1]
[OP2]
<cDM2996>
c2777 c2791 c2796

MOV
(21)
#2502
DM2997
[OP1]
[OP2]
<cDM2997>
c2779 c2792 c2797
000005
(002787)
92.00
CMP
(20)
DM2995
#2580
[OP1]
<cDM2995>
c2775 c2775 c2777 c2779
c2780 c2784 c2790 c2795
[OP2]
255.07
LESS_TH
AN
MOV
(21)
#2500
DM2995
[OP1]
[OP2]
<cDM2995>
c2775 c2775 c2777 c2779
c2780 c2784 c2788 c2795
MOV
(21)
#2501
DM2996
[OP1]
[OP2]
<cDM2996>
c2777 c2785 c2796
MOV
(21)
#2502
DM2997
[OP1]
[OP2]
<cDM2997>
c2779 c2786 c2797
RSET
92.00
<92.00>
b2782 a2787
000006
(002794)
289.08
MOV
(21)
*DM2995
DM2990
[OP1]
<cDM2995>
c2775 c2775 c2777 c2779
c2780 c2784 c2788 c2790
[OP2]
<cDM2990>
c2693 c2717 c2736 c2755
c2801
MOV
(21)
*DM2996
DM2991
[OP1]
<cDM2996>
c2777 c2785 c2791
[OP2]
<cDM2991>
c2801
MOV
(21)
*DM2997
DM2992
[OP1]
<cDM2997>
c2779 c2786 c2792
[OP2]


000007
(002798)
253.13
ON
289.08
253.15
FIRST_S
CAN
@PMCR
(17)
*DM2990
*DM2991
*DM2992
<cDM2992>
c2801
[OP1]
<cDM2990>
c2693 c2717 c2736 c2755
c2795
[OP2]
<cDM2991>
c2796
[OP3]
<cDM2992>
c2797
000008
(002802)
253.13
ON
92.02
<92.02>
a2804
000009
(002804)
92.02
289.08
253.15
FIRST_S
CAN
PMCR
(17)
DM2020
DM2021
DM2305
[OP1]
[OP2]
[OP3]
000010
(002808)
253.13
ON
MOV
(21)
DM2301
DM500
Before_l
oop
[OP1]
[OP2]
<cDM0500>
c0063 c1166 c2579 c2585
253.13
ON
MOV
(21)
DM2341
DM501
[OP1]
<cDM2341>
c2696 c2698 c2699 c2705
c2731 c2751 c2771
[OP2]
<cDM0501>
c1574 c1578 c2699 c2702
c2704 c2705 c2706
MOV
(21)
DM2381
DM502
[OP1]
[OP2]
XFER
(70)
#3
DM2361
DM503
[OP1]
[OP2]
[OP3]
MOV
(21)
DM2321
DM506
[OP1]
[OP2]

000011
(002817)
253.13
ON
ANDW
(34)
DM2306
#FFF
DM510
VACUUM
[OP1]
[OP2]
[OP3]
<cDM0510>
c0028 c1211 c2147
ANDW
(34)
DM511
#FFF
DM519
[OP1]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2723 c2726 c2728
c2729 c2730 c2822
[OP2]
[OP3]
253.13
ON
MOV
(21)
DM2346
DM511
[OP1]
<cDM2346>
c2707 c2720 c2722 c2723
c2729 c2750 c2769
[OP2]
<cDM0511>
c1542 c1545 c2713 c2715
c2715 c2723 c2726 c2728
c2729 c2730 c2820
MOV
(21)
DM2386
DM512
[OP1]
[OP2]
XFER
(70)
#3
DM2366
DM513
[OP1]
[OP2]
[OP3]
MOV
(21)
DM2326
DM516
[OP1]
[OP2]
000012
(002827)
253.13
ON
MOV
(21)
DM2311
DM520
SEP_LEVEL
[OP1]
[OP2]
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2124 c2132 c2139
c2846 c2850 c2852 c2854
253.13
ON
MOV
(21)
DM2351
DM521
[OP1]
<cDM2351>
c2708 c2732 c2739 c2741
c2742 c2748 c2770

[OP2]
<cDM0521>
c0762 c0783 c1559 c1562
c1575 c2742 c2745 c2747
c2748 c2749
MOV
(21)
DM2391
DM522
[OP1]
[OP2]
XFER
(70)
#3
DM2371
DM523
[OP1]
[OP2]
[OP3]
MOV
(21)
DM2331
DM526
[OP1]
[OP2]
000013
(002836)
253.13
ON
ANDW
(34)
DM2316
#FFFF
DM530
GEL_FL
OWRAT
E
[OP1]
[OP2]
[OP3]
<cDM0530>
c2653
253.13
ON
MOV
(21)
DM2356
DM531
[OP1]
<cDM2356>
c2709 c2733 c2752 c2758
c2760 c2761 c2767
[OP2]
<cDM0531>
c1565 c1568 c2761 c2764
c2766 c2767 c2768
MOV
(21)
DM2396
DM532
[OP1]
[OP2]
XFER
(70)
#3
DM2376
DM533
[OP1]
[OP2]
[OP3]
MOV
(21)
DM2336
DM536
[OP1]
[OP2]
000014
(002845)
253.13
CMP
(20)
DM520
[OP1]

ON
SEP_LEVEL
#1100
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2124 c2132 c2139
c2829 c2850 c2852 c2854
[OP2]
255.05
GREATER_THAN
MOV
(21)
[OP1]
#0
[OP2]
DM520 SEP_LEVEL
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2124 c2132 c2139
c2829 c2846 c2852 c2854
255.06
EQUALS
000015
(002851)
253.13
ON
CMP
(20)
[OP1]
DM520 SEP_LEVEL
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2124 c2132 c2139
c2829 c2846 c2850 c2854
#3
[OP2]
255.07
LESS_THAN
MOV
(21)
[OP1]
#0
[OP2]
DM520 SEP_LEVEL
<cDM0520>
c0042 c0106 c0765 c1195
c2114 c2124 c2132 c2139
c2829 c2846 c2850 c2852
000016
(002855)
END
(01)