L1
220VAC
1-1
1-5
L2
220VAC
1-3
L3
220VAC
1--QA1
1-2
50A
MAIN CIRCUIT BREAKER
MCCB
N
1-4
1--BC1
C.T.
1-8
1-9
1-6
1--BC2
C.T.
1-10
1-11
1-7
1--BC3
C.T.
1-12
1-13
1--H1
RD
RED
1--EA1
YE
YELLOW
1--EA2
BU
BLUE
VM1
DIGITAL 3 PHASE VOLTMETER
DIGITAL 3 PHASE VOLTMETER
AM1
DIGITAL 3 PHASE AMMETER
DIGITAL 3 PHASE AMMETER
1-5
220VAC
2-A.B.C.D.E.-0
3-A.B.C.D.E.-0
4-A.B.C.D.E.-0
5-A.B.C.D.E.-0
1-6
220VAC
2-A.B.C.D.E.-0
3-A.B.C.D.E.-0
5-A.B.C.D.E.-0
1-7
220VAC
2-A.B.C.D.E.-0
3-A.B.C.D.E.-0
5-A.B.C.D.E.-0
1-4
4-A.B.C.D.E.-0
6-A.B.C.D.E.-0
7-A.B.C.D.E.F.G.M-0

Autodesk

C:\USERS\HP\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI - RO WATER FILTRATION CONTROL PANEL\ROFP-1.DWG

NO.	DATE	REVISION	BY

DWG TITLE

RO filteration plant
Schematic Drawing
Control Panel

ENGINEER: S.A	CHECKED BY: S.A
JOB NO: ECAD-1	DRAWN BY: S.A
SCALE:	DATE: 09,15,2026

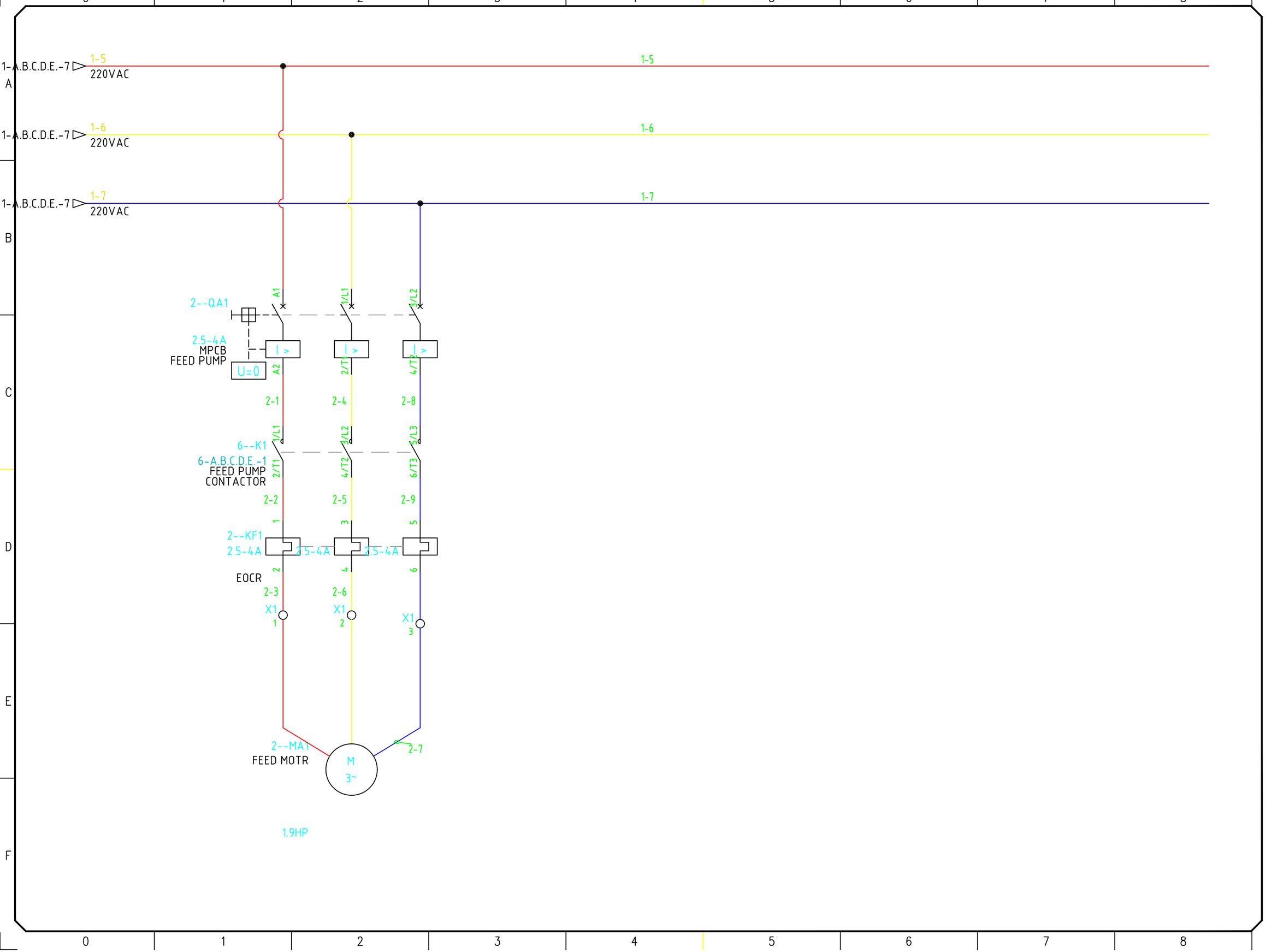
DWG NO

ECAD-1

SHEET NO

1 OF 1

CAD DWG FILE



CAD DWG FILE C:\USERS\HP\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI - RO WATER FILTRATION CONTROL PANEL\ROFP-2.DWG

Autodesk

NO.	DATE	REVISION	BY

DWG TITLE

RO filteration plant
Schematic Drawing
Control Panel
FEED PUMB POWER

ENGINEER: S.A	CHECKED BY: S.A
JOB NO: ECAD-1	DRAWN BY: S.A
SCALE:	DATE: 09,15,2026

DWG NO: *ECAD-1*

SHEET NO: *2 OF 2*

1-A.B.C.D.E.-7 ▷ 1-5 220VAC

1-A.B.C.D.E.-7 ▷ 1-6 220VAC

1-A.B.C.D.E.-7 ▷ 1-7 220VAC

1-5

1-6

1-7

3--QA1

MPCB

U=0

A1 A2 1/L1 2/T1 3/L2 4/T2

3-1 3-4 3-8

7--QA2

7-
RO PUMP
START
MAGNETIC CONTACTOR

1/L1 2/T1 3/L2 4/T2 5/L3 6/T3

3-2 3-5 3-9

3--KF1

EOCR

1 2 3 4 5 6

3-3 3-6

X1 4 X1 5 X1 6

3--MA1

RO PUMP

M
3~

3-7

4.2HP

NO 7-A.B.C.D.E.F.G.I-1

CAD DWG FILE C:\USERS\HP\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI - RO WATER FILTRATION CONTROL PANEL\ROFP--3.DWG

Autodesk

NO.	DATE	REVISION	BY

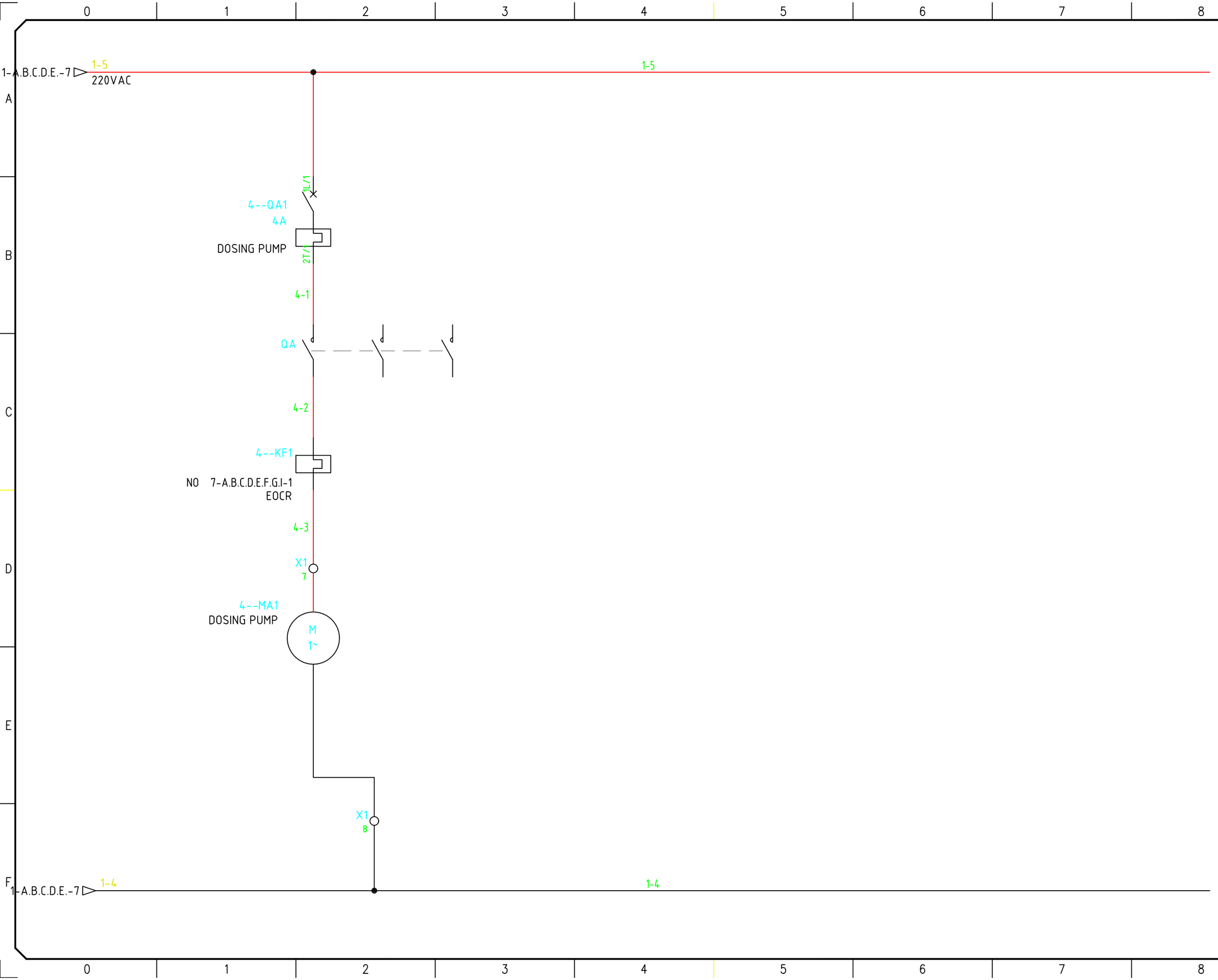
DWG TITLE

RO filteration plant
Schematic Drawing
Control Panel
RO PUMP POWER

ENGINEER S.A	CHECKED BY S.A
JOB NO ECAD-1	DRAWN BY S.A
SCALE	DATE 09,15,2026

DWG NO *ECAD-1*

SHEET NO *3 OF 3*



C:\USERS\HP\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI - RO WATER FILTRATION CONTROL PANEL\ROFP-4.DWG

CAD DWG FILE

Autodesk

NO.	DATE	REVISION	BY

DWG TITLE

RO filteration plant
Schematic Drawing
Control Panel
DOSING PUMP POWER

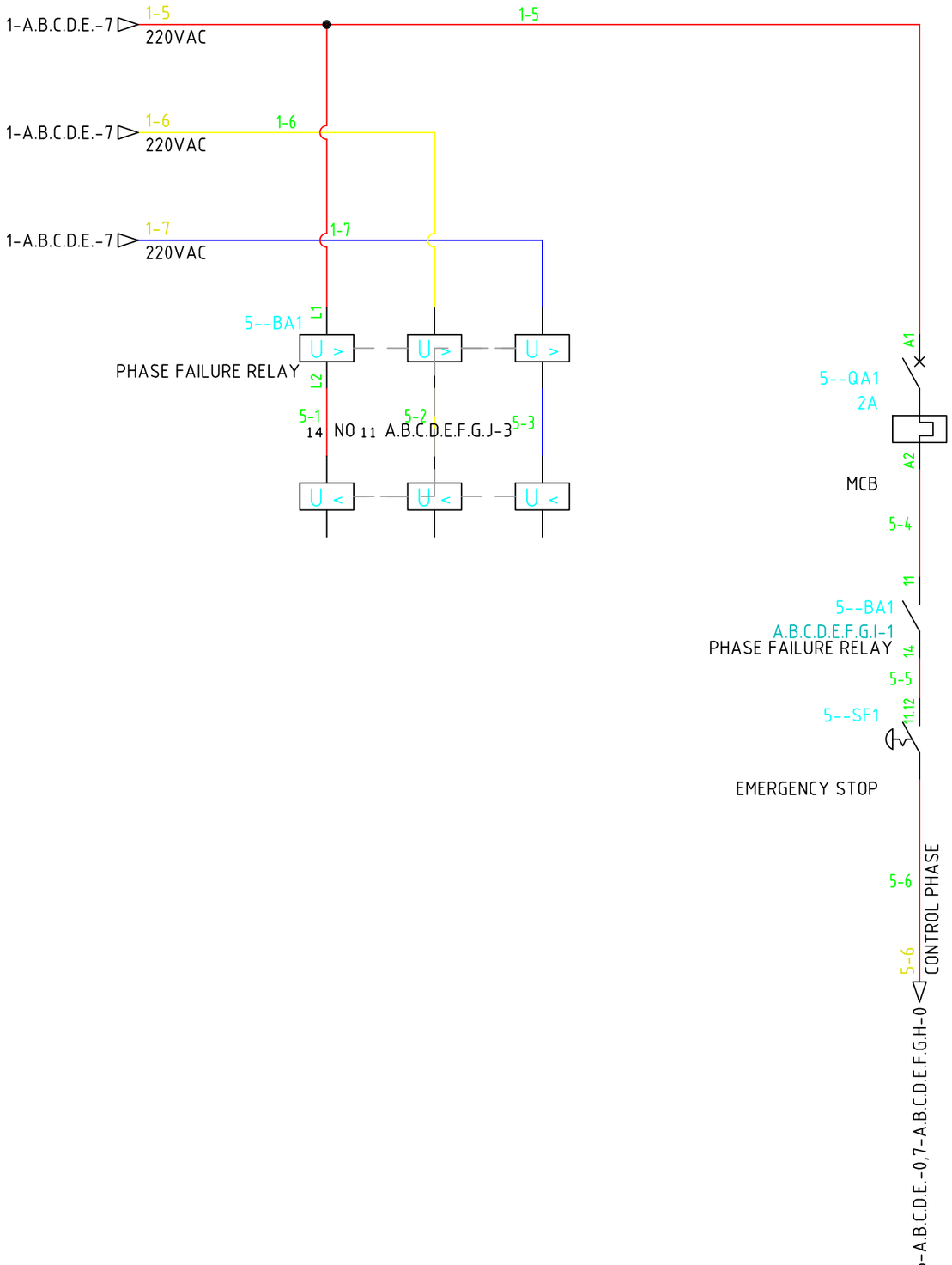
ENGINEER: S.A	CHECKED BY: S.A
JOB NO: ECAD-1	DRAWN BY: S.A
SCALE:	DATE: 09.15.2026

DWG NO

ECAD-1

SHEET NO

4 OF 4



C:\USERS\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI - RO WATER FILTRATION CONTROL PANEL\ROFP-5.DWG

CAD DWG FILE

Autodesk

NO.	DATE	REVISION	BY

DWG TITLE

RO filteration plant
Schematic Drawing
Control Panel
CONTROL POWER AND PROTECTION

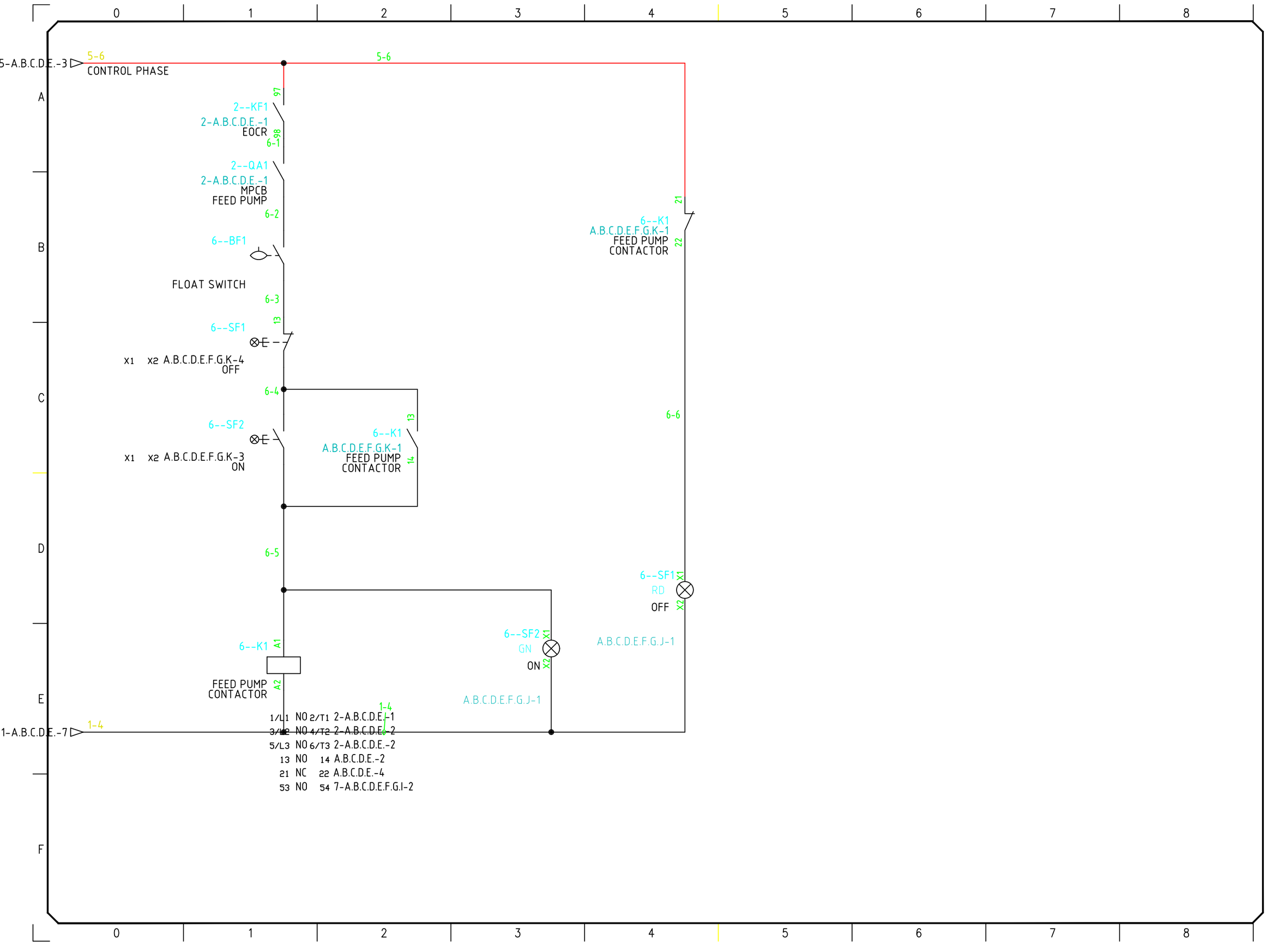
ENGINEER	CHECKED BY
S.A	S.A
JOB NO: ECAD-1	DRAWN BY: S.A
SCALE:	DATE: 09,15,2026

DWG NO

ECAD-1

SHEET NO

5 OF 5



CAD DWG FILE C:\USERS\HP\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI - RO WATER FILTRATION CONTROL PANEL\ROFP-6.DWG

Autodesk

NO.	DATE	REVISION	BY

DWG TITLE

RO filteration plant
Schematic Drawing
Control Panel
FEED PUMP CONTROL

ENGINEER: S.A	CHECKED BY: S.A
JOB NO: ECAD-1	DRAWN BY: S.A
SCALE:	DATE: 09,15,2026
DWG NO: ECAD-1	
SHEET NO: 6 OF 6	

5-A.B.C.D.E.-3 → 5-1 CONTROL PHASE

7--BP1 PRESSURE SWITCH > 3 BAR

4--KF1 4-A.B.C.D.E.-2 EOCR

3--MA1 3-A.B.C.D.E.-2 RO PUMP

7--BF1 PRODUCT TANK LOW

7--SF1 13,14 A.B.C.D.E.F.G.L-4 STOP PUSH BUTTON X1 X2

7--SF2 13,14 A.B.C.D.E.F.G.K-3 START PB X1 X2

7--QA1 A.B.C.D.E.F.G.L-0 RO AUTOMATION ENABLE RELAY 11 14

7--QA1 A1 RO AUTOMATION ENABLE RELAY A2
14 NO 11 A.B.C.D.E.F.G.K-1
24 NO 21 A.B.C.D.E.F.G.I-1

7--KF1 A.B.C.D.E.F.G.L-1 ON DELAY TIMER 5SEC 21 24

7--KF1 A1 ON DELAY TIMER 5SEC A2
18 NO 15 A.B.C.D.E.F.G.J-2
NC A.B.C.D.E.F.G.J-1

6--K1 6-A.B.C.D.E.-1 FEED PUMP CONTACTOR 53 54

7--KF1 A.B.C.D.E.F.G.L-1 ON DELAY TIMER 5SEC 15 18

7--QA2 A1 RO PUMP START MAGNETIC CONTACTOR A2
1/L1 NO 2/T1 3-A.B.C.D.E.-1
3/L2 NO 4/T2 3-A.B.C.D.E.-2
5/L3 NO 6/T3 3-A.B.C.D.E.-2
13 NO 14 A.B.C.D.E.F.G.I-5
21 NC 22 A.B.C.D.E.F.G.J-4

7--KF3 A.B.C.D.E.F.G.L-5 FLUSING CYCLE RELAY 21 22

7--SF2 X1 GN START PB X2

A.B.C.D.E.F.G.K-0

7--SF1 X1 RD STOP PUSH BUTTON X2

A.B.C.D.E.F.G.J-0

1-A.B.C.D.E.-7 ← 1-4

5-1

7--QA2 A.B.C.D.E.F.G.L-2 RO PUMP START MAGNETIC CONTACTOR 21 22

7--QA2 13 A.B.C.D.E.F.G.L-2 RO PUMP START MAGNETIC CONTACTOR 14

7--KF3 31 A.B.C.D.E.F.G.L-5 FLUSING CYCLE RELAY 34

7--KF6 A.B.C.D.E.F.G.L-6 FLUSING ON TIMER 30SEC 15 18

7--KF2 A.B.C.D.E.F.G.L-5 FLUSING INTERVAL TIMER 20MIN 15 18

7--KF3 A.B.C.D.E.F.G.L-5 FLUSING CYCLE RELAY 11 14

7--SF4

7--SF3

7--KF2 A1 FLUSING INTERVAL TIMER 20MIN A2
18 NO 15 A.B.C.D.E.F.G.J-6

7--KF3 A1 FLUSING CYCLE RELAY A2
14 NO 11 A.B.C.D.E.F.G.J-7
22 NC 21 A.B.C.D.E.F.G.J-2
34 NO 31 A.B.C.D.E.F.G.I-5

7--KF6 A1 FLUSING ON TIMER 30SEC A2
18 NO 15 A.B.C.D.E.F.G.J-5

7--QM1 FLUSH SOLENOID VALVE

1-4

CAD DWG FILE C:\USERS\HP\MY DOCUMENTS\ACADE 2027\AEDATA\PROJ\RO SU FILTRASYON KONTROL PANELI – RO WATER FILTRATION CONTROL PANEL\ROFP-7.DWG

Autodesk

NO.	DATE	REVISION	BY

DWG TITLE

RO filteration plant Schematic Drawing Control Panel RO PUMP CONTROL

ENGINEER S.A	CHECKED BY S.A
JOB NO ECAD–1	DRAWN BY S.A
SCALE	DATE 09,15,2026

DWG NO *ECAD–1*

SHEET NO *7 OF 7*