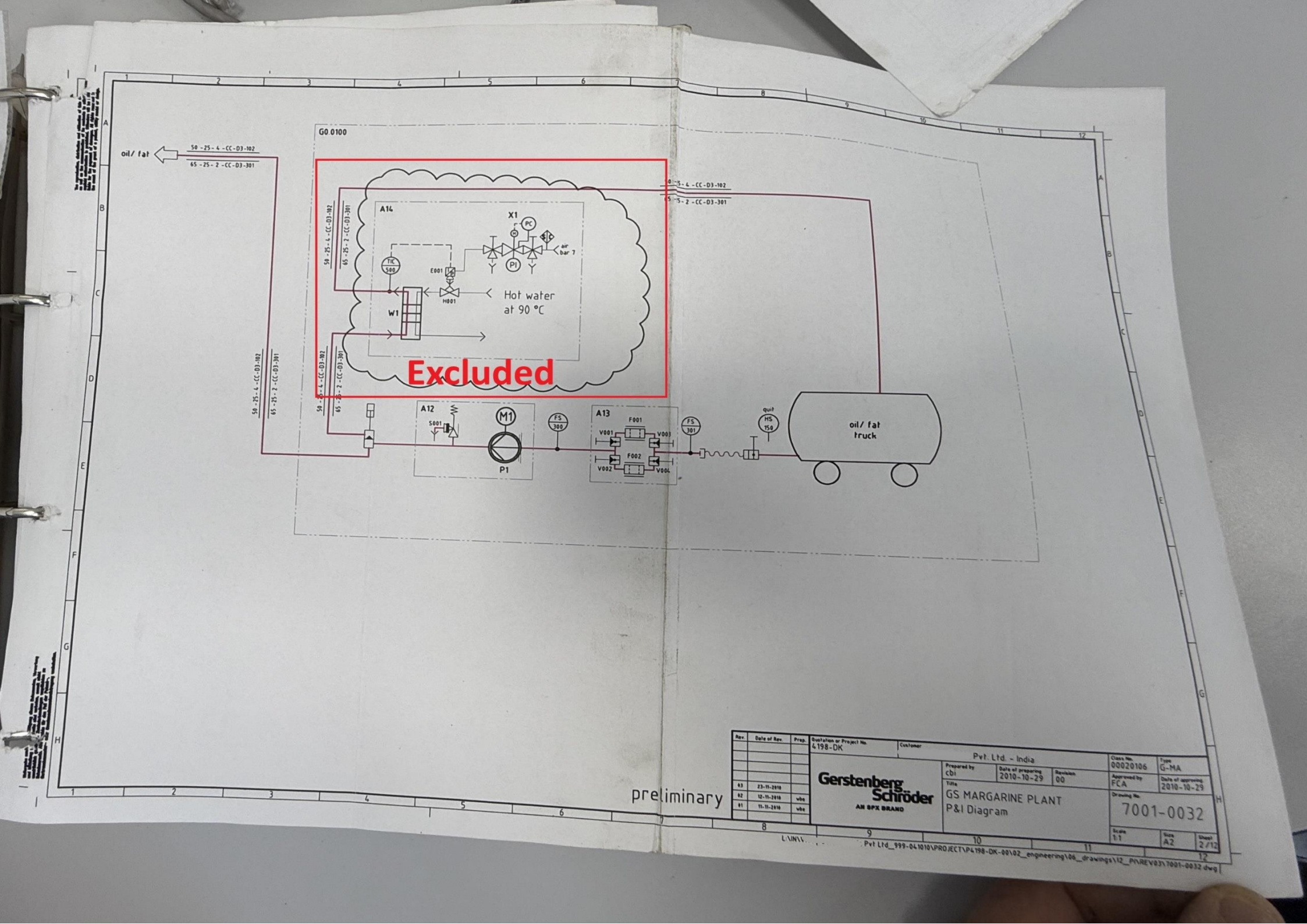
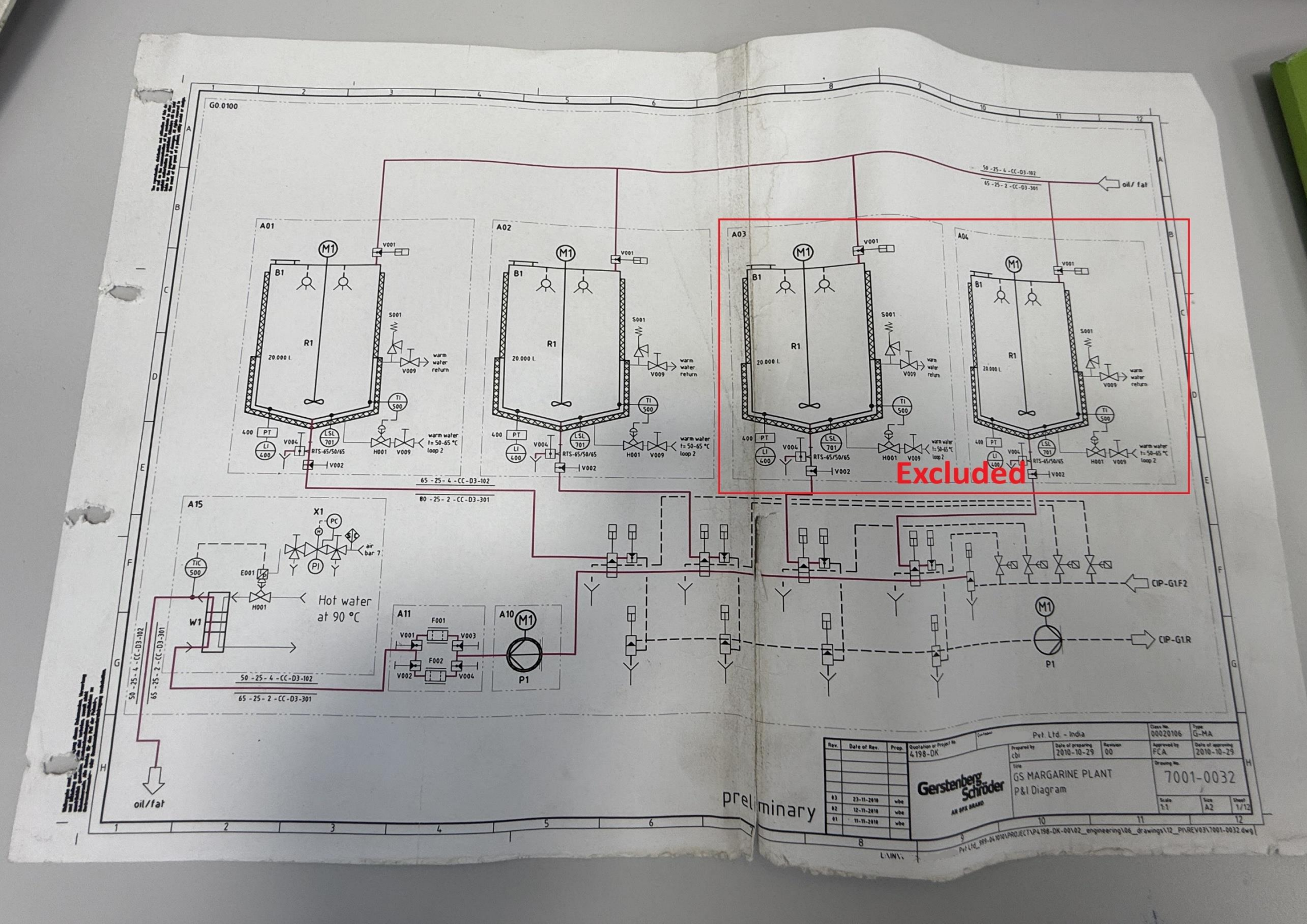
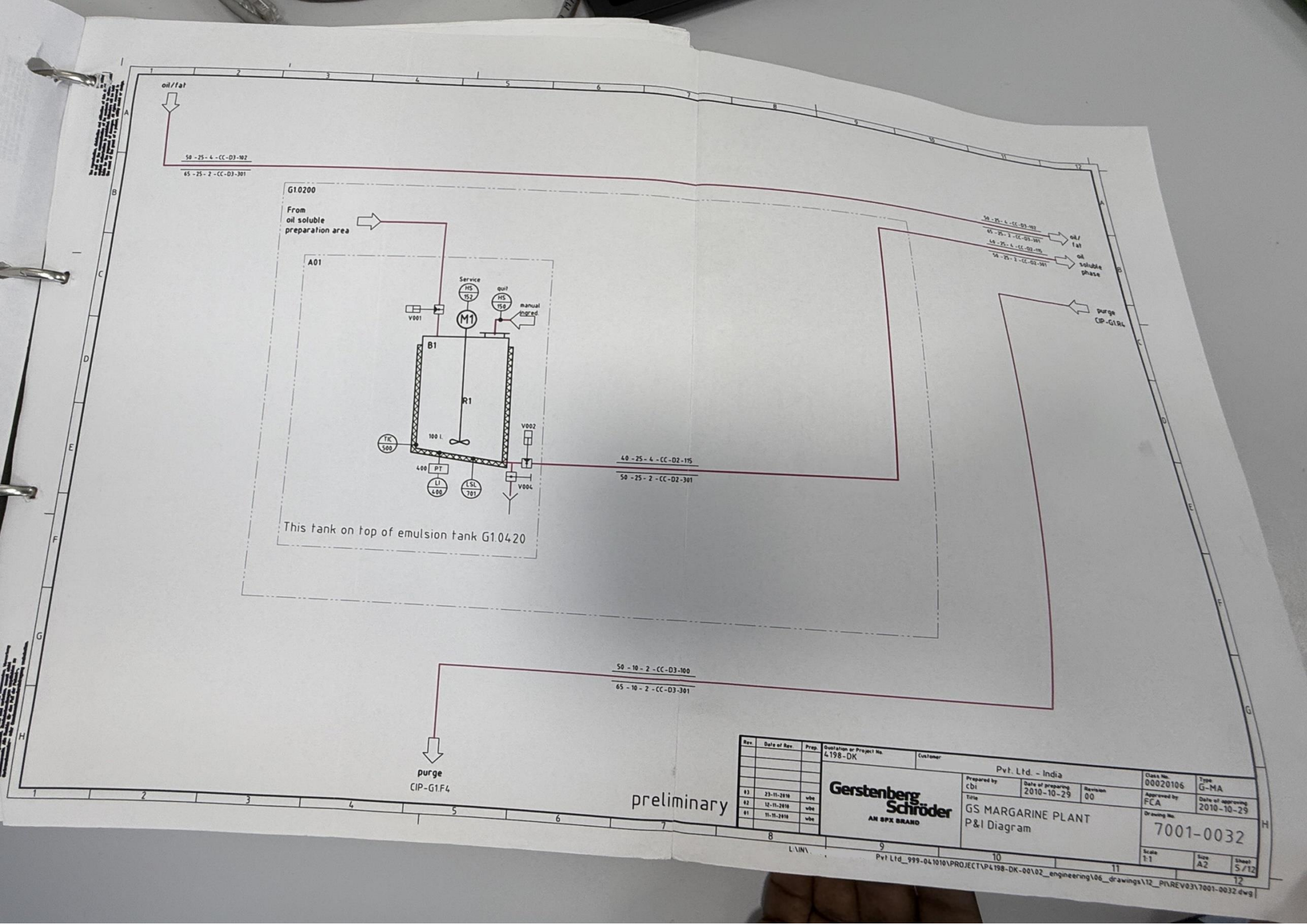
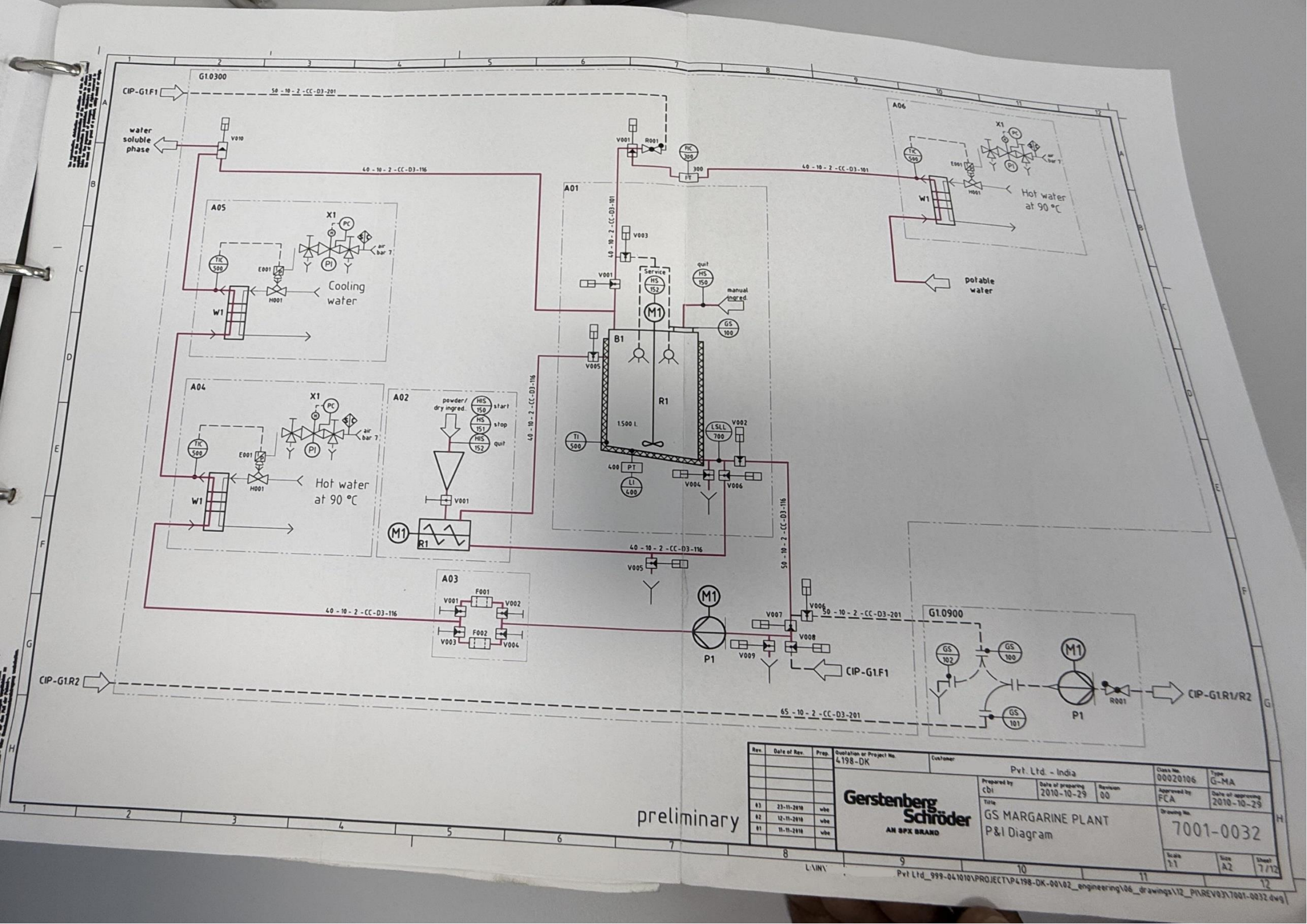
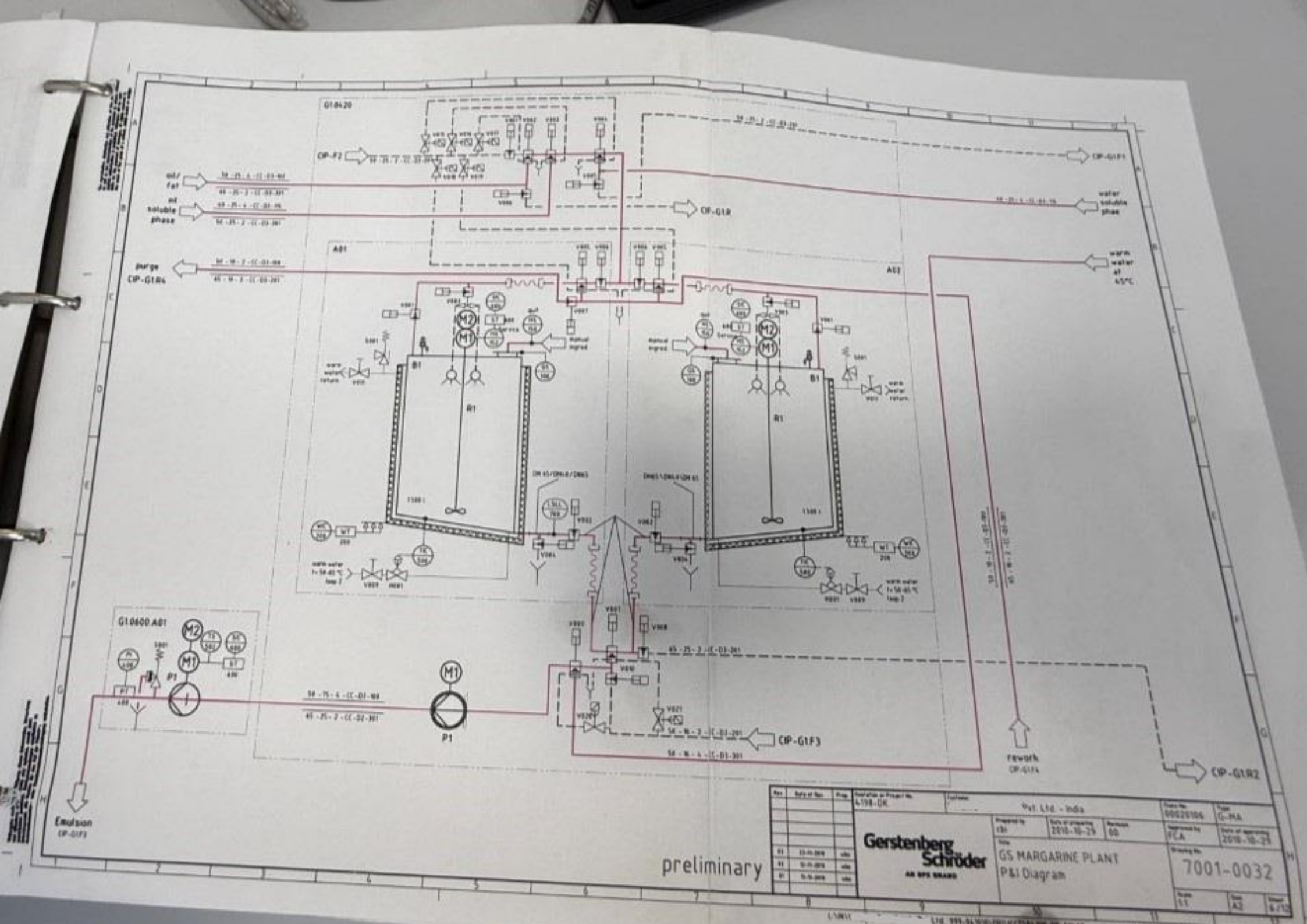
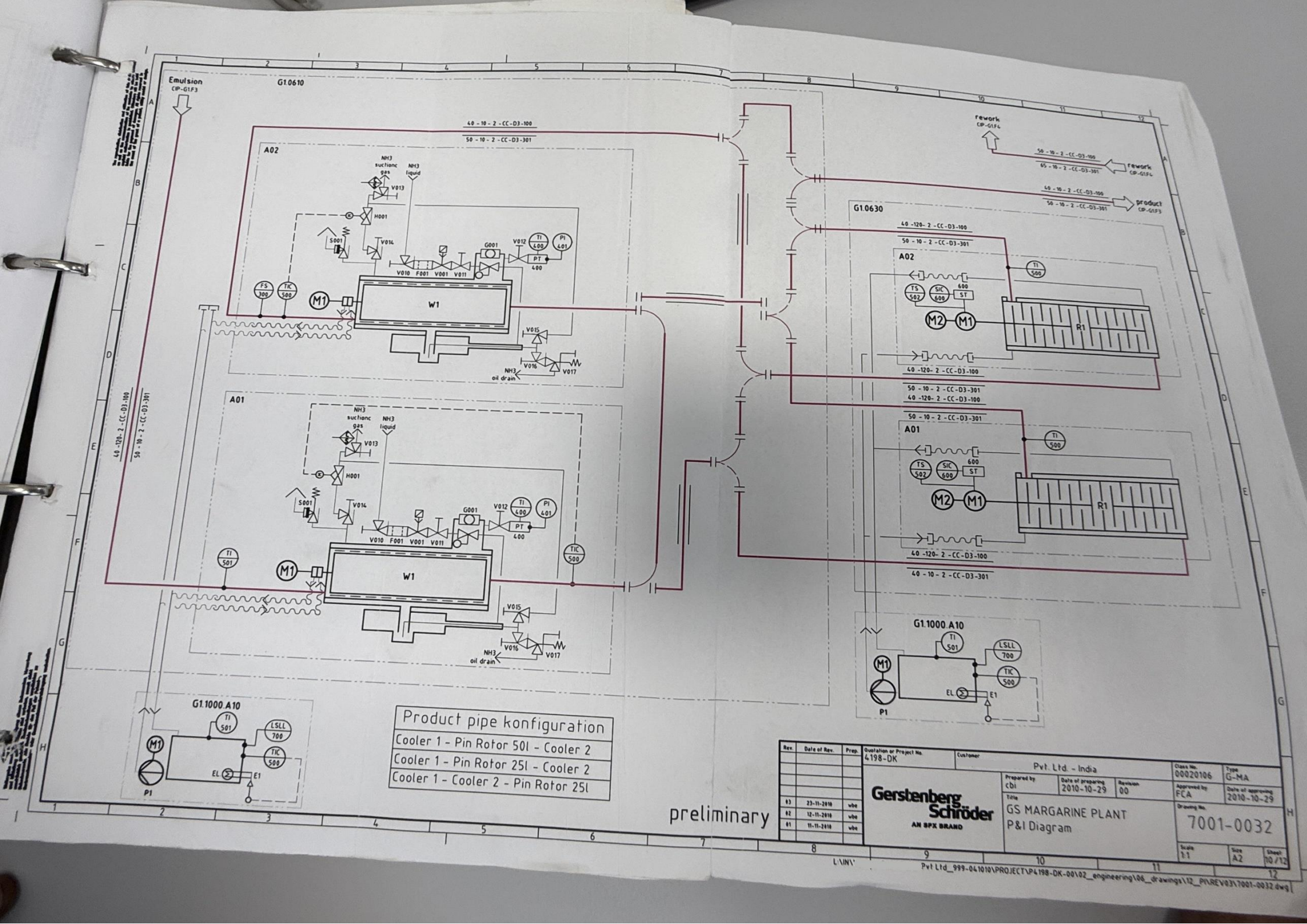

G0.0100
oil/ fat
50 -25- 4 -CC-D3-102
65 -25- 2 -CC-D3-301
A14
X1
PC
SIC
air bar 7
TIC 500
E001
PI
H001
W1
Hot water at 90 °C
Excluded
A12
S001
M1
P1
FS 300
A13
F001
V001
V003
F002
V002
V004
FS 301
quit
HS 150
oil/ fat truck
preliminary
Gerstenberg Schröder
AN SPX BRAND
Pvt. Ltd. - India
4198-DK
Prepared by CBI
Date of preparing 2010-10-29
Revision 00
Approved by FCA
Date of approving 2010-10-29
Title
GS MARGARINE PLANT
P&I Diagram
Drawing No. 7001-0032
Class No. 00020106
Type G-MA
Scale 1:1
Size A2
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01 11-11-2010 vbe

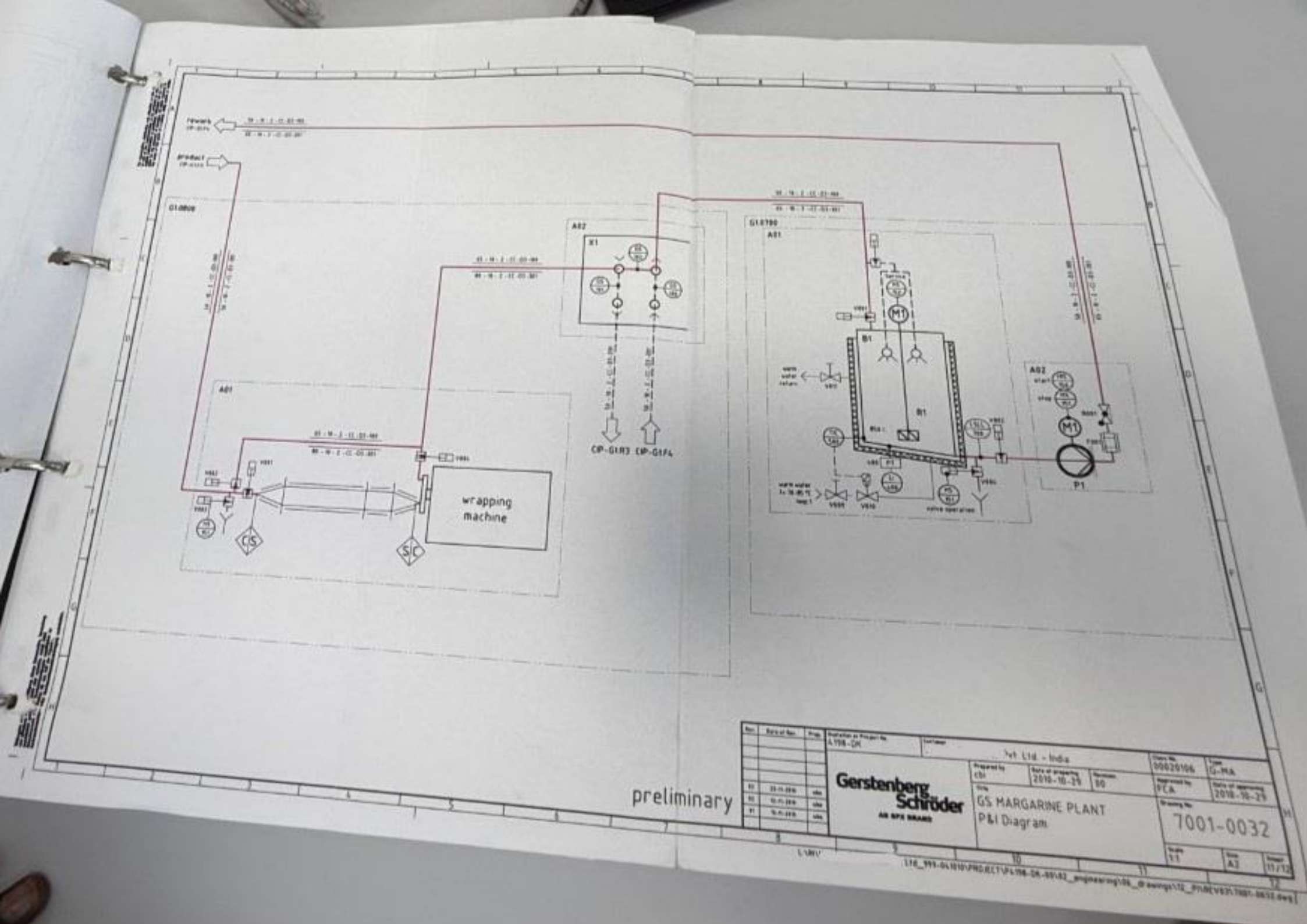

G0.0100
A01
A02
A03
A04
B1
R1
20.000 l.
M1
V001
S001
V009
warm water return
TI 500
PT 400
LI 400
LSL 701
RTS-65/50/65
V004
V002
H001
warm water t= 50-65 °C loop 2
Excluded
50 - 25 - 4 - CC - D3 - 102
65 - 25 - 2 - CC - D3 - 301
80 - 25 - 2 - CC - D3 - 301
oil/ fat
A15
X1
PC
PI
air bar 7
TIC 500
E001
H001
W1
Hot water at 90 °C
A11
F001
F002
V001
V002
V003
V004
A10
P1
CIP-G1F2
CIP-G1R
preliminary
Gerstenberg Schröder
AN SPX BRAND
Pvt. Ltd. - India
4198-DK
GS MARGARINE PLANT
P&I Diagram
7001-0032
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oil/fat
50 - 25 - 4 - CC - D3 - 102
65 - 25 - 2 - CC - D3 - 301
G1.0200
From
oil soluble
preparation area
A01
Service
HS
152
quit
HS
150
manual
ingred.
V001
M1
B1
R1
100 l.
TIC
600
400 PT
LI
400
LSL
701
V002
V004
40 - 25 - 4 - CC - D2 - 115
50 - 25 - 2 - CC - D2 - 301
This tank on top of emulsion tank G1.0420
50 - 25 - 4 - CC - D3 - 102
65 - 25 - 2 - CC - D3 - 301
40 - 25 - 4 - CC - D2 - 115
50 - 25 - 2 - CC - D2 - 301
oil/
fat
oil
soluble
phase
purge
CIP-G1.R4
50 - 10 - 2 - CC - D3 - 100
65 - 10 - 2 - CC - D3 - 301
purge
CIP-G1.F4
preliminary
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G1.0300
CIP-G1.F1
50 - 10 - 2 - CC - D3 - 201
water soluble phase
V010
40 - 10 - 2 - CC - D3 - 116
A05
X1
PC
TIC 500
E001
H001
PI
air bar 7
Cooling water
W1
A04
Hot water at 90 °C
A02
powder/ dry ingred.
HIS 150 start
HS 151 stop
HIS 152 quit
V001
M1
R1
A03
F001
F002
V002
V003
V004
A01
V001
R001
FIC 300
FT
300
40 - 10 - 2 - CC - D3 - 101
Service
HS 152
quit
HS 150
manual ingred.
GS 100
B1
V005
R1
1500 L
TI 500
400 PT
LI 400
LSLL 700
V002
V004
V006
40 - 10 - 2 - CC - D3 - 116
50 - 10 - 2 - CC - D3 - 116
A06
X1
TIC 500
E001
H001
Hot water at 90 °C
W1
potable water
V007
V008
V009
P1
CIP-G1.F1
G1.0900
GS 102
GS 100
GS 101
M1
P1
R001
CIP-G1.R1/R2
CIP-G1.R2
65 - 10 - 2 - CC - D3 - 201
preliminary
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G1.0420
CIP-F2
oil / fat
oil soluble phase
CIP-G1F1
CIP-G1R
water soluble phase
A01
A02
purge CIP-G1R4
warm water at 65°C
B1
R1
M1
M2
warm water return
manual signal
G1.0600.A01
P1
CIP-G1F3
rework
CIP-G1R2
Emulsion CIP-G1F3
preliminary
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GS MARGARINE PLANT
P&I Diagram
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Emulsion
CIP-G1.F3
G1.0610
40 - 10 - 2 - CC - D3 - 100
50 - 10 - 2 - CC - D3 - 301
A02
NH3 suctionc gas
NH3 liquid
V013
H001
S001
V014
G001
V012
TI 400
PI 401
PT 400
V010 F001 V001 V011
FS 300
TIC 500
M1
W1
V015
V016
V017
NH3 oil drain
A01
TI 501
rework
CIP-G1.F4
rework
CIP-G1.F4
product
CIP-G1.F3
G1.0630
40 -120- 2 - CC - D3 - 100
50 - 10 - 2 - CC - D3 - 301
TI 500
TS 502
SIC 600
600
ST
M2
M1
R1
G1.1000.A10
LSLL 700
EL
E1
P1
Product pipe konfiguration
Cooler 1 - Pin Rotor 50l - Cooler 2
Cooler 1 - Pin Rotor 25l - Cooler 2
Cooler 1 - Cooler 2 - Pin Rotor 25l
preliminary
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wrapping machine
CIP-G1R3
CIP-G1F4
preliminary
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GS MARGARINE PLANT
P&I Diagram
7001-0032