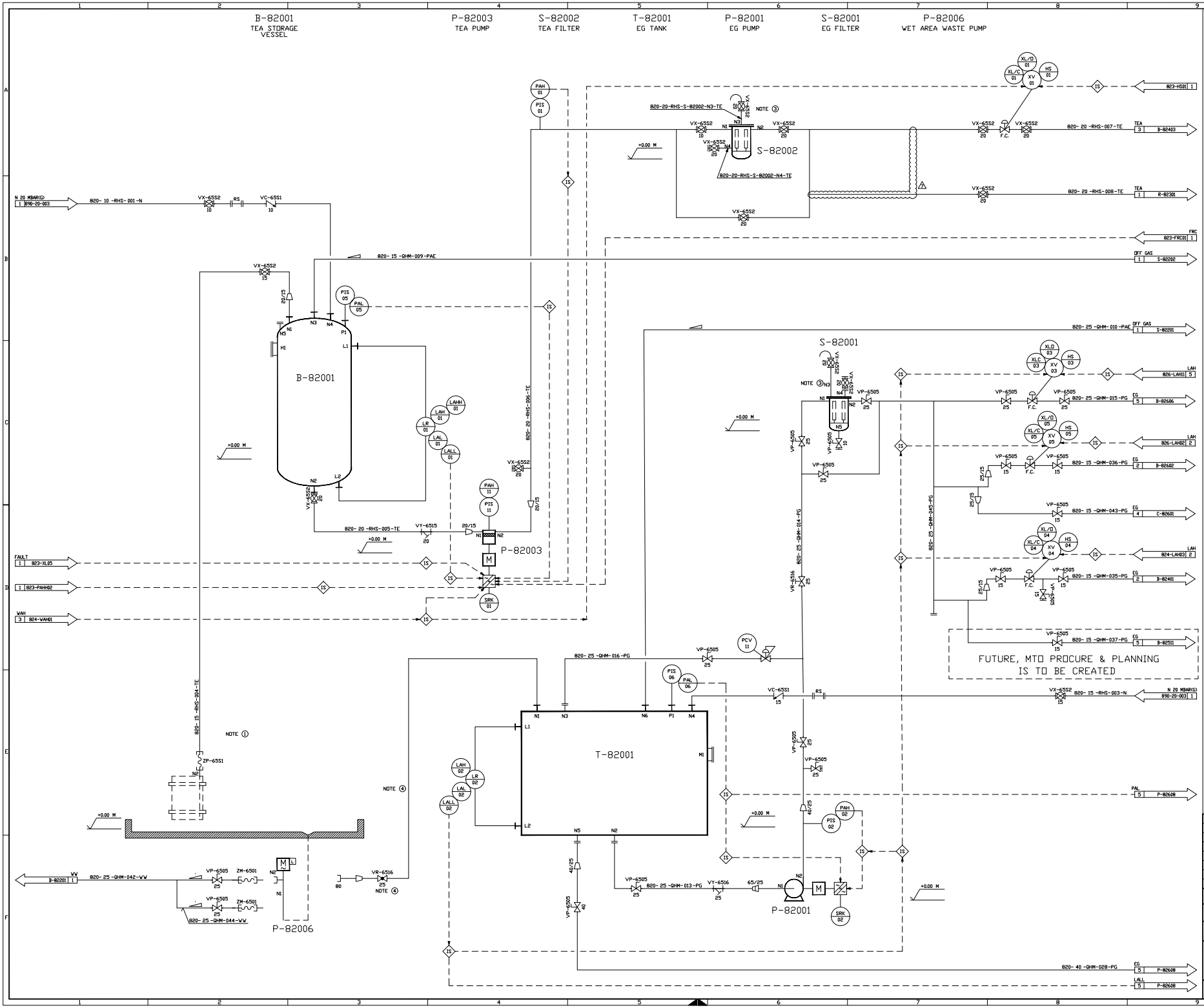

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
"LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT.
- ALL TRACED LINES ARE INSULATED IH100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR.

NOTES:

1. ROOF FOR WEATHER PROTECTION REQUIRED.
2. SUBMERSIBLE PUMP IN A PIT.
3. VENT AND DRAIN VALVE IN PIPING SCOPE. CONNECTION TYPE OF VENT AND DRAIN RC 1/4". SUITABLE ADAPTER HAS TO BE USED.
4. ADDITIONAL LOCAL INDICATION OF LAH NEAR EG UNLOADING POINT.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION FEEDSTOCK & RAW MATERIAL SUPPLY

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 820 – PID – 0021 – 0001 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	1/2

SIZE AD: 841x1189 MM

FILE No.: 202146C-820-PID-0021-0001-7

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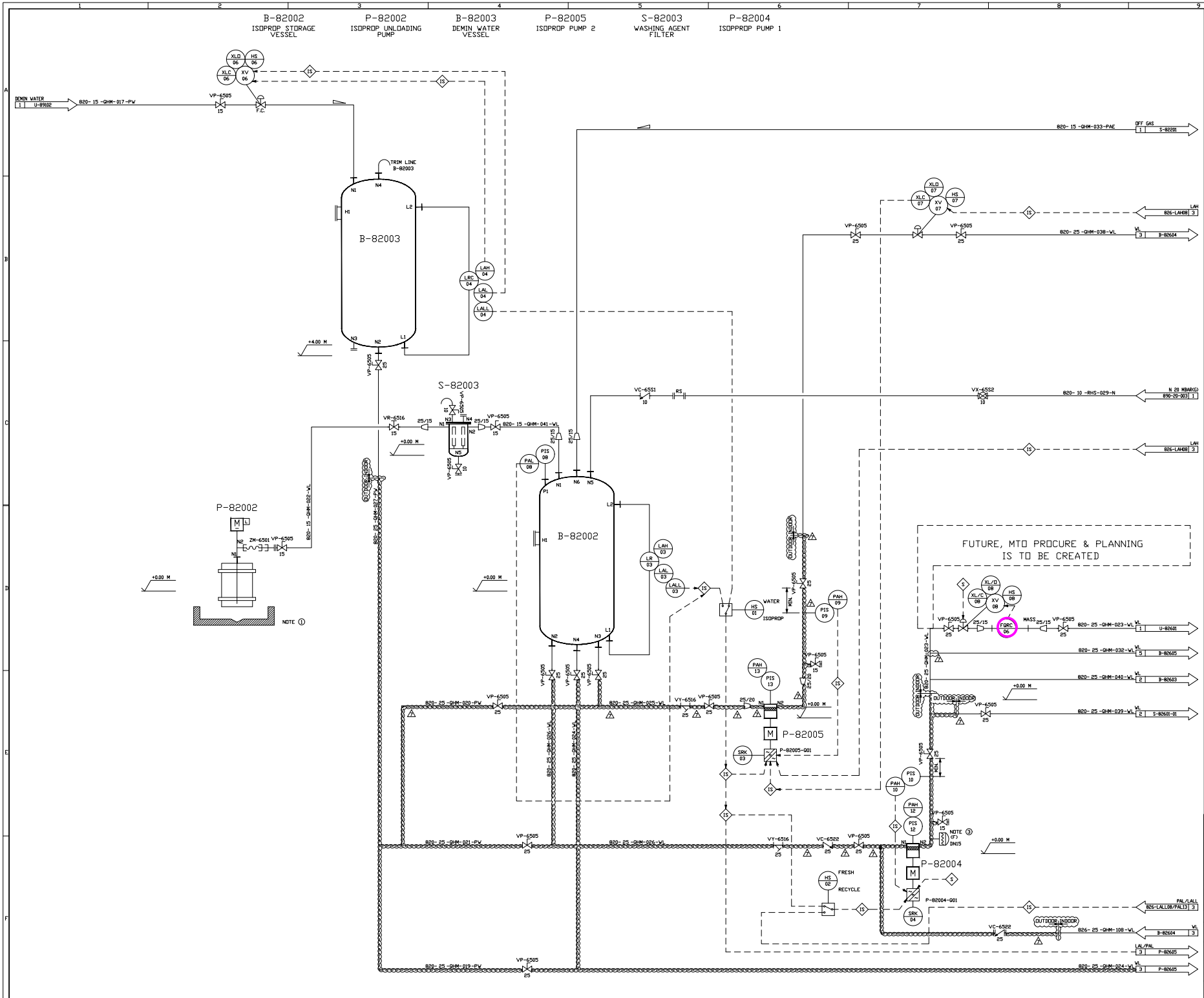

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
"LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH100
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR

NOTES:

1. CONNECTED TO PIT FOR P-82006.
2. PULSATION DAMPER (F)

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	GENERAL REVISION	MS 13.06.23	FI 13.06.23	BOMA 13.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION FEEDSTOCK & RAW MATERIAL SUPPLY

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 820 – PID – 0021 – 0002 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	2/2

SIZE AD: 841x1189 MM

FILE No.: 202146C-820-PID-0021-0002-7

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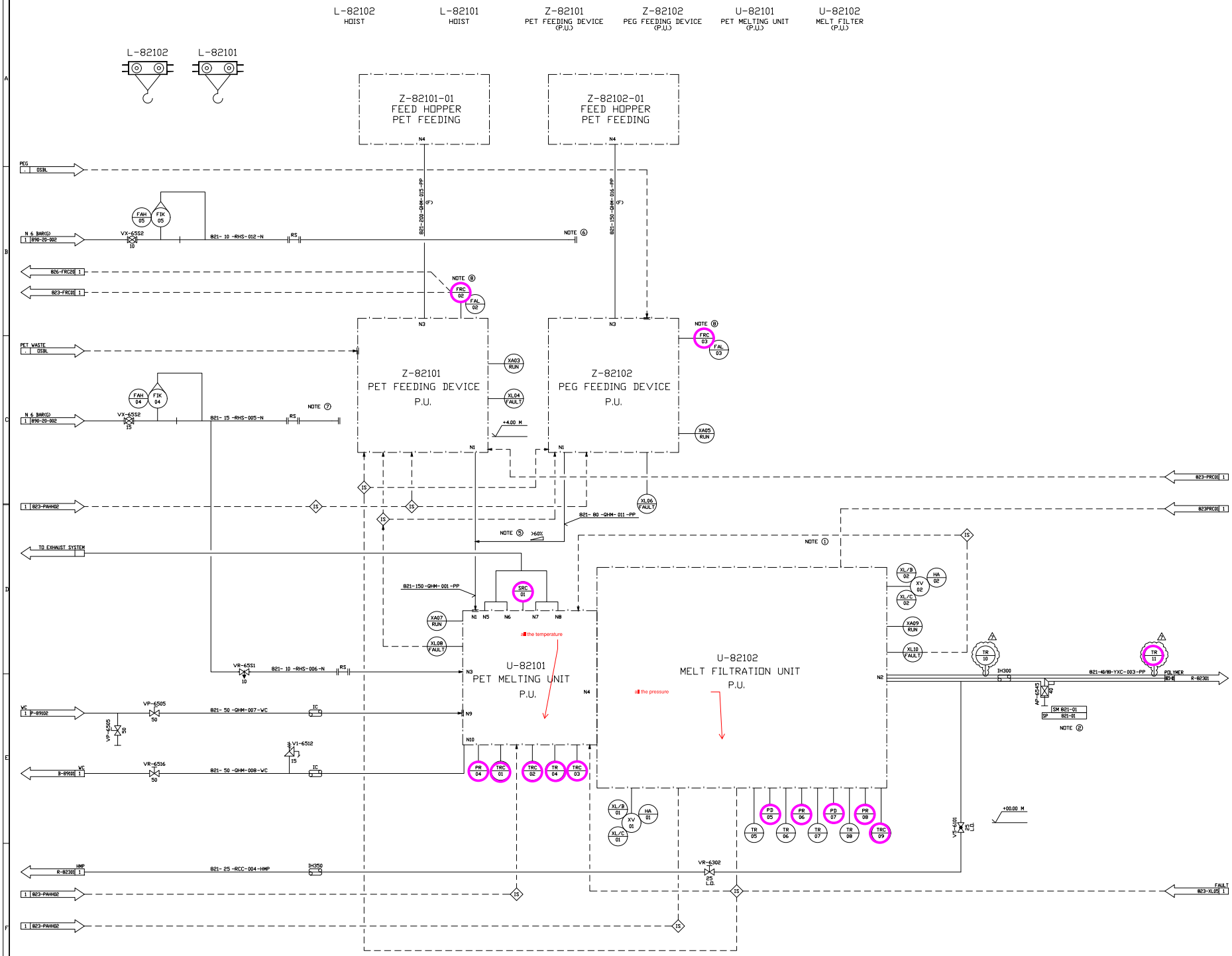

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
"LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT

NOTES:

1. NUMBER AND POSITION OF FRC'S TO BE CHECKED BY VENDOR OF P.U.
2. PRODUCT DISCHARGE FOR STARTUP ONLY. SUFFICIENT CONTAINER FOR POLYMER WASTE HAS TO BE FORSEEN.
3. AT-821-6500 DIRECTLY MOUNTED TO U-82101 AND U-82102.
4. AT-821-6501 DIRECTLY MOUNTED TO U-82102.
5. 4 OPENINGS IN EXTRUDER, EQUIPPED WITH EXHAUST HOODS 4 HOODS TO DN50 LINE.
6. CLOSE TO Z-82102
7. CLOSE TO Z-82101
8. NOT A DEDICATED FLOW DEVICE. DISPLAYING FEED-RATE FROM FEEDING UNIT CONTROL SYSTEM.

REV. NO.	VERSION	STATUS	PROCESS	PIPING	APPROVED
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BOWA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BOWA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOWA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BOWA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOWA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOWA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOWA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOWA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION FEED PREPARATION

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 821 – PID – 0021 – 0001 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	1/1

SIZE A0: 841x1189 MM

FILE No.: 202146C-821-PID-0021-0001-7

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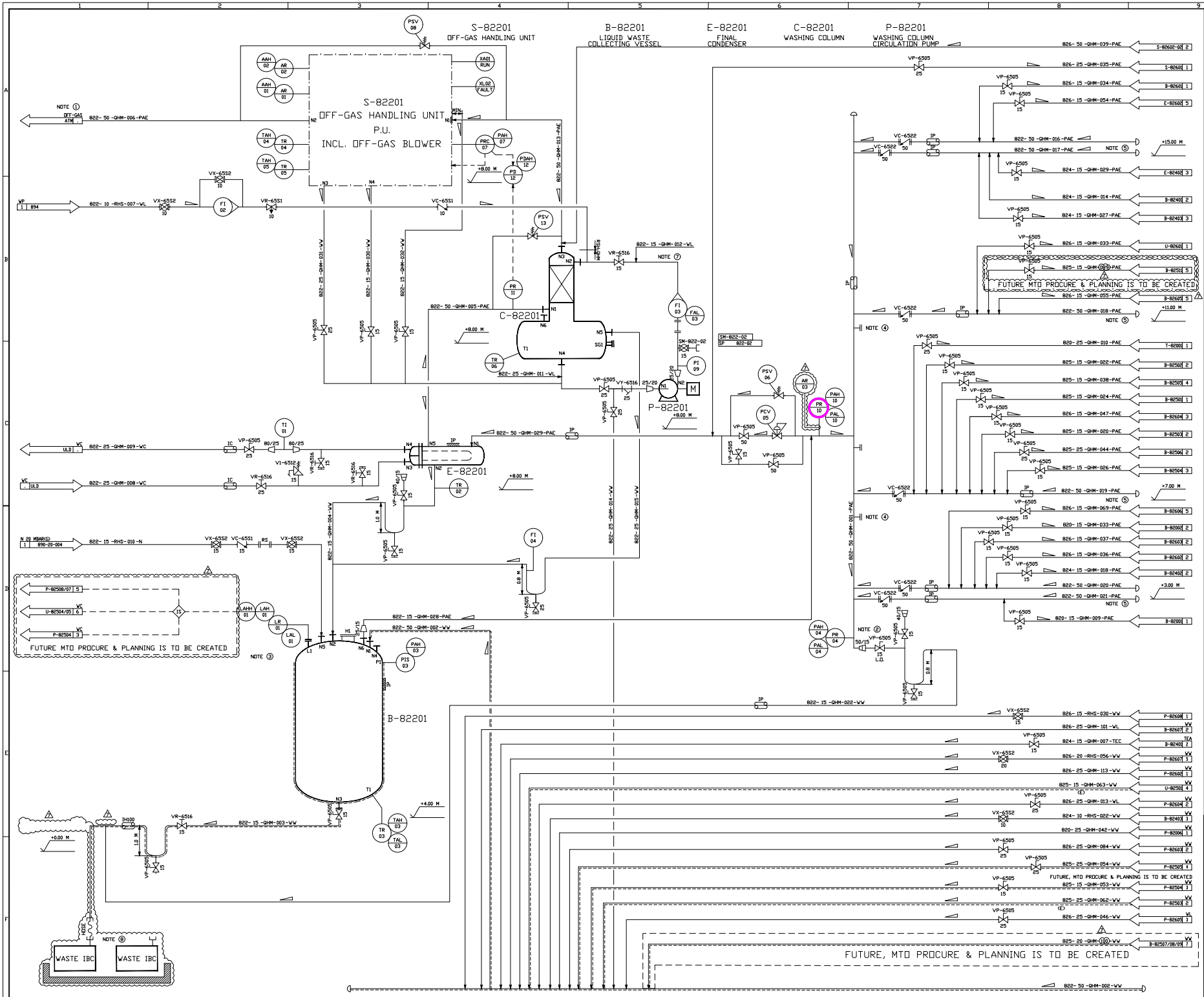

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
"LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N) = 25 MBAR

NOTES:

1. TO SAFE LOCATION OUTSIDE
2. INCREASE OF DIAMETER AT 1 M LENGTH FOR CONDENSATE COLLECTION WITH PRESSURE GAUGE AND DRAIN AT LOWEST POINT.
3. LOCAL LEVEL INDICATION AND INDICATION OF LAL01 LOCATED NEXT TO VP-6505 IN LINE TO LIQUID WASTE.
4. BLIND FLANGE DN 50.
5. PIPE CONNECTION TO OFFGAS- AND LIQUID WASTE HEADER ALWAYS FROM THE TOP (REFER TO TYPICAL).

TYPICAL:

6. (DELETED) A
7. SPARE CONNECTIONS FOR POSSIBLE HEAT EXCHANGER.
8. TWO WASTE IBC (ONE IN OPERATION, ONE IN STAND-BY) WITH SUITABLE ADAPTER CONNECTED TO HOSE. HOSE NEEDS TO BE INSULATED (H100.) A

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	F1 20.02.25	AS-BUILT	MS 20.02.25	FI 20.02.25	BONA 20.02.25
6	F1 27.11.24	–	MS 27.11.24	FI 27.11.24	BONA 27.11.24
5	F1 06.11.23	IFC-REVISION	MS 06.11.23	FI 06.11.23	BONA 06.11.23
4	F1 27.06.23	IFC	MS 27.06.23	FI 27.06.23	BONA 27.06.23
3	F1 12.06.23	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BONA 12.06.23
2	F1 09.02.23	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BONA 09.02.23
1	F1 03.01.23	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BONA 03.01.23
0	F1 22.09.22	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BONA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION WASTE AND EFFLUENTS OFF-GAS TREATMENT

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 822 – PID – 0021 – 0001 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	1/1

SIZE AD: 841x1189 MM

FILE No.: 202146C-822-PID-0021-0001-7

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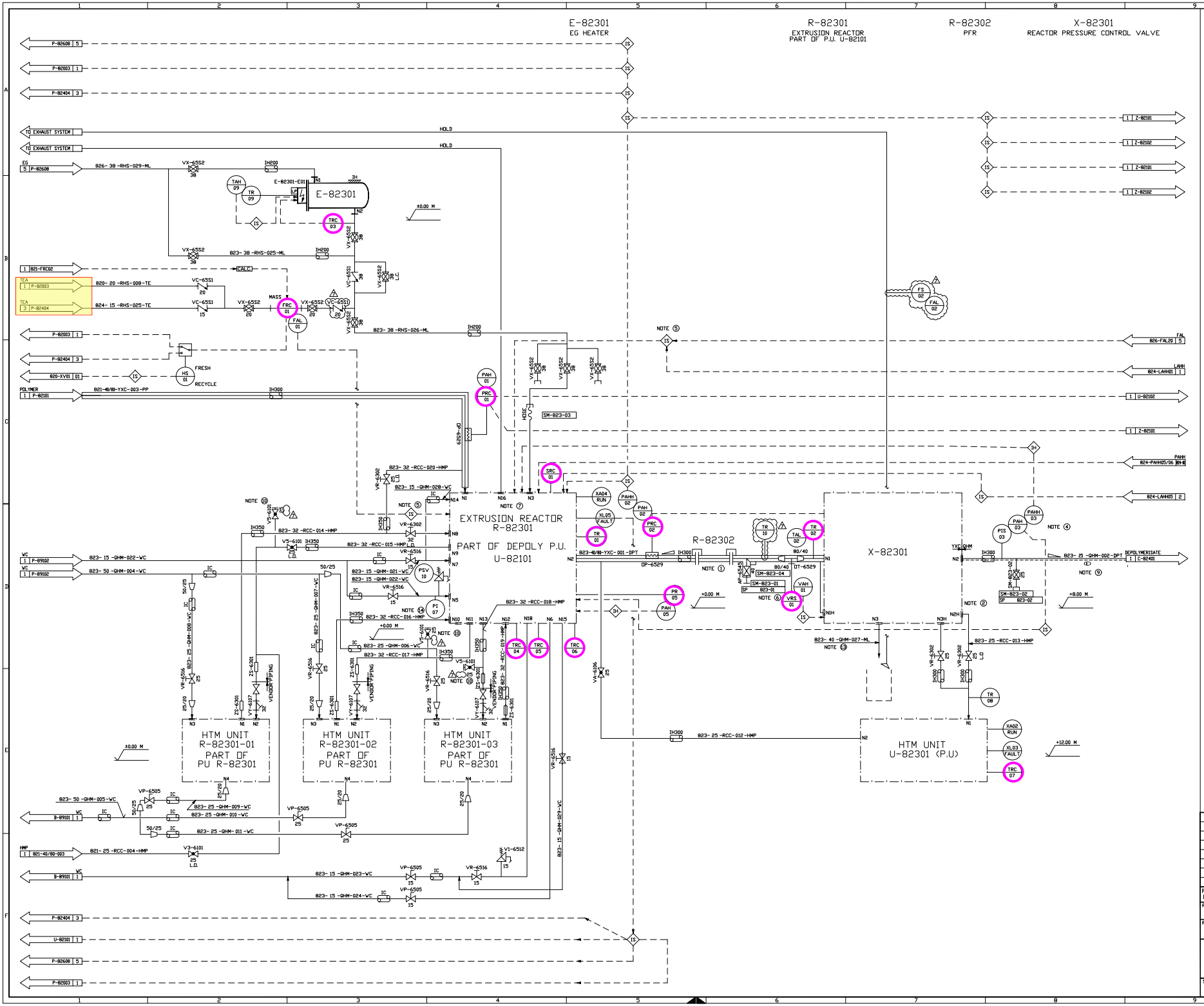

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT: "LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT

NOTES:

1. LENGT 1M.
2. PRODUCT DISCHARGE FOR STARTUP ONLY. SUFFICIENT CONTAINER FOR POLYMER WASTE HAS TO BE FORSEEN.
3. SPECIAL VALVE CONFIGURATION FOR LARGE VISCOSITY RANGE INCLUDING XV AND PV.
4. KEEP DISTANCE BETWEEN PRESSURE CONTROL VALVE AND C-82401 AS SHORT AS POSSIBLE.
5. FOR START-UP, AS LONG AS XV01 IS IN POSITION C, THIS INTERLOCK DOES NOT APPLY.
6. MOUNTING OF 823-VRS01 in 45° PIPE BEND BY T-PIECE FROM THE TOP
7. EXHAUST CONNECTION 80 MM.
8. WASTE BARREL, EXHAUST HOOD DN50.
9. DISTANCE BETWEEN X-82301 AND C-82401 AS SHORT AS POSSIBLE.
10. VENT AT HIGHEST POINT
11. IT IS MANDATORY THAT EXHAUST SYSTEM AT X-82301 IS RUNNNG BEFORE R-82301 CAN BE STARTED
12. PLUG TO BE INSTALLED AT CONNECTIONS CURRENTLY NOT IN USE
13. LENGHT OF PIPE SHALL ALLOW TO INSERT A BARREL ON TO A PALLET. BARREL 900mm PALLET 140mm CLEARANCE 50mm. PIPE END TO GRATING 1110mm.
14. PI INSTALLED WITH ISOLATION VALVES.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BONA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BONA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BONA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BONA 27.06.23
3	3	GENERAL REVISION	MS 13.06.23	FI 13.06.23	BONA 13.06.23
2	2	GENERAL REVISION	MS 06.02.23	FI 06.02.23	BONA 06.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BONA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BONA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION DEPOLYMERIZATION

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SHT/SH.
–	202146C004 – 823 – PID – 0021 – 0001 (PROJECT No. UNIT No. DOC. TYPE MAT. CODE SERIAL No.)	7	1/1

SIZE A0: 841x1189 MM

FILE No.: 202146-823-PID-0021-0001-7

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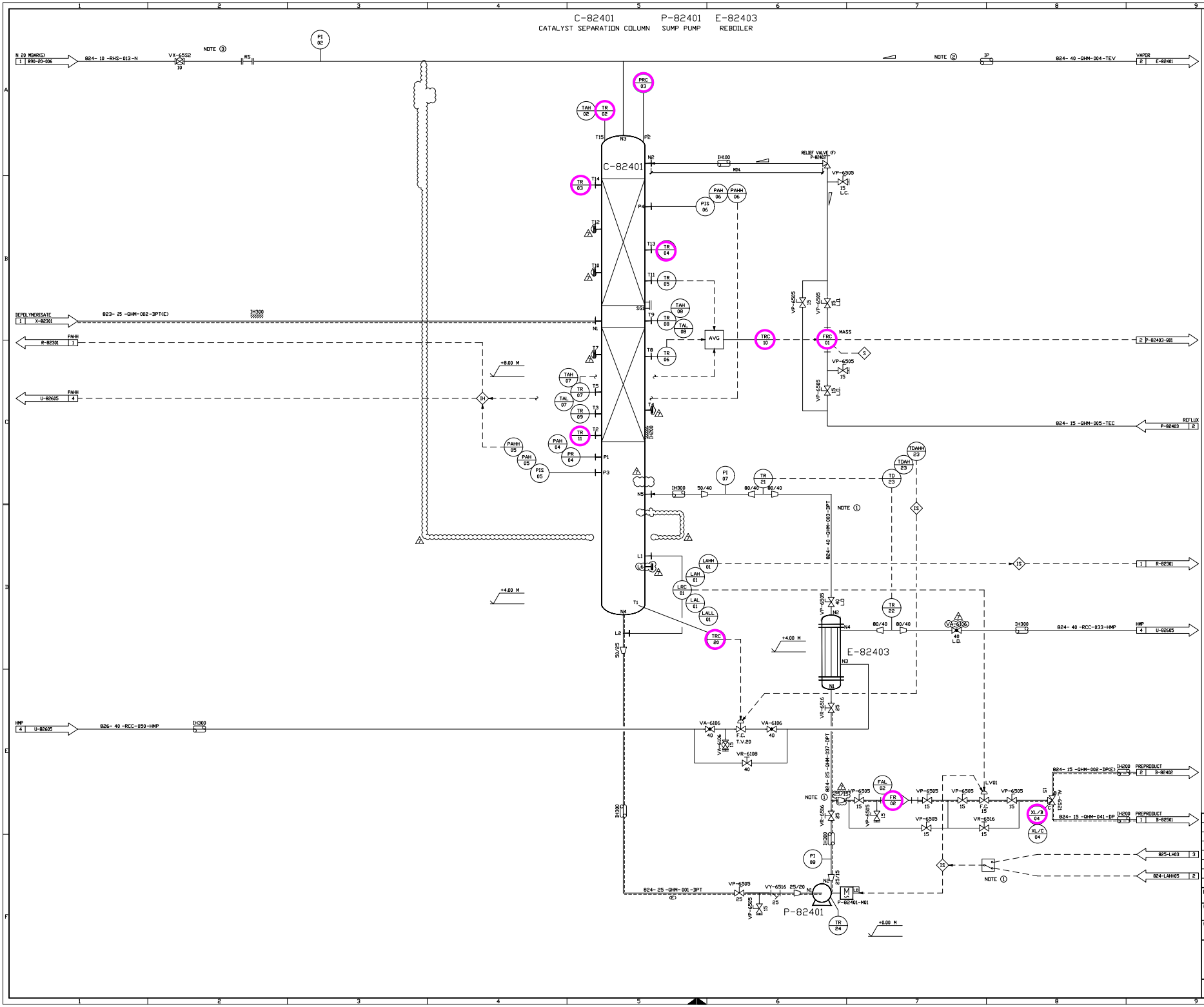

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT

NOTES:

1. KEEP DISTANCE BETWEEN E-82403 AND COLUMN AS SHORT AS POSSIBLE.
2. KEEP DISTANCE BETWEEN COLUMN AND CONDENSER E-82401 AS SHORT AS POSSIBLE.
3. VALVE AND PI AS CLOSE AS POSSIBLE TO COLUMN
4. CONDITIONS PER CAUSE AND EFFECT LIST APPLY

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	FI 20.02.25 AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	FI 27.11.24 –	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	FI 06.11.23 IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	FI 27.06.23 IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	FI 12.06.23 GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	FI 09.02.23 GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	FI 03.01.23 GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	FI 22.09.22 ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 01.07.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION CATALYST SEPARATION

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 824 – PID – 0021 – 0001	7	1/3

SIZE A0: 841x1189 MM

FILE No.: 202146C-824-PID-0021-0001-7

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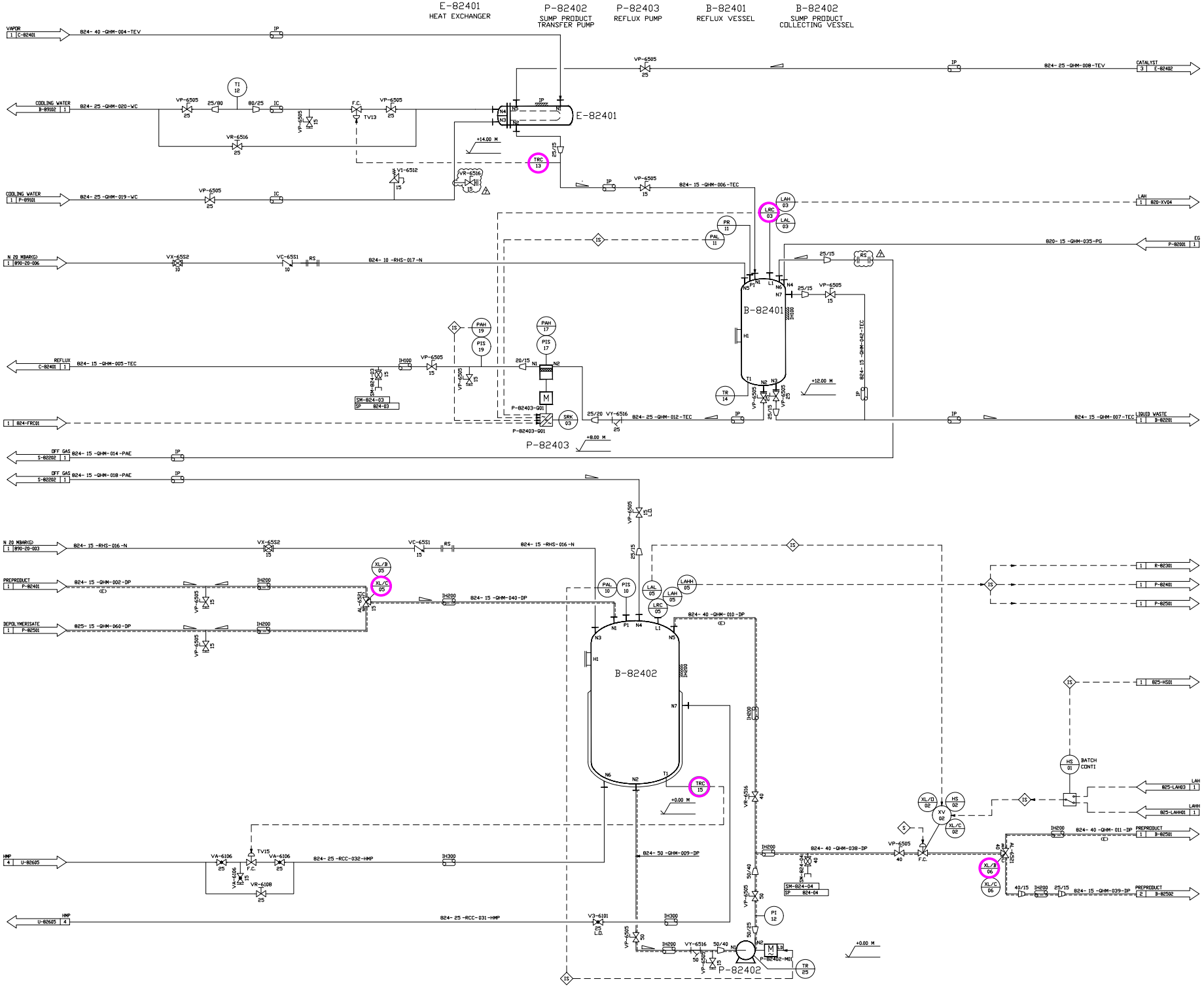

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N) = 25 MBAR.

NOTES:

REV. NO.	VERSION	STATUS	CHECKED PROCESS	DATE	CHECKED PIPING	DATE	APPROVED	DATE
7	7	AS-BUILT	MS	20.02.25	FT	20.02.25	BOMA	20.02.25
6	6	–	MS	27.11.24	FT	27.11.24	BOMA	27.11.24
5	5	IFC-REVISION	MS	06.11.23	FT	06.11.23	BOMA	06.11.23
4	4	IFC	MS	27.06.23	FT	27.06.23	BOMA	27.06.23
3	3	GENERAL REVISION	MS	12.06.23	FT	12.06.23	BOMA	12.06.23
2	2	GENERAL REVISION	MS	09.02.23	FT	09.02.23	BOMA	09.02.23
1	1	GENERAL REVISION	MS	03.01.23	FT	03.01.23	BOMA	03.01.23
0	0	ORIGINAL ISSUE	MS	22.09.22	FT	22.09.22	BOMA	22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION CATALYST SEPARATION

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 824 – PID – 0021 – 0002	7	2 / 3

SIZE AD: 841x1189 MM

FILE No.: 202146C-824-PID-0021-0002-7

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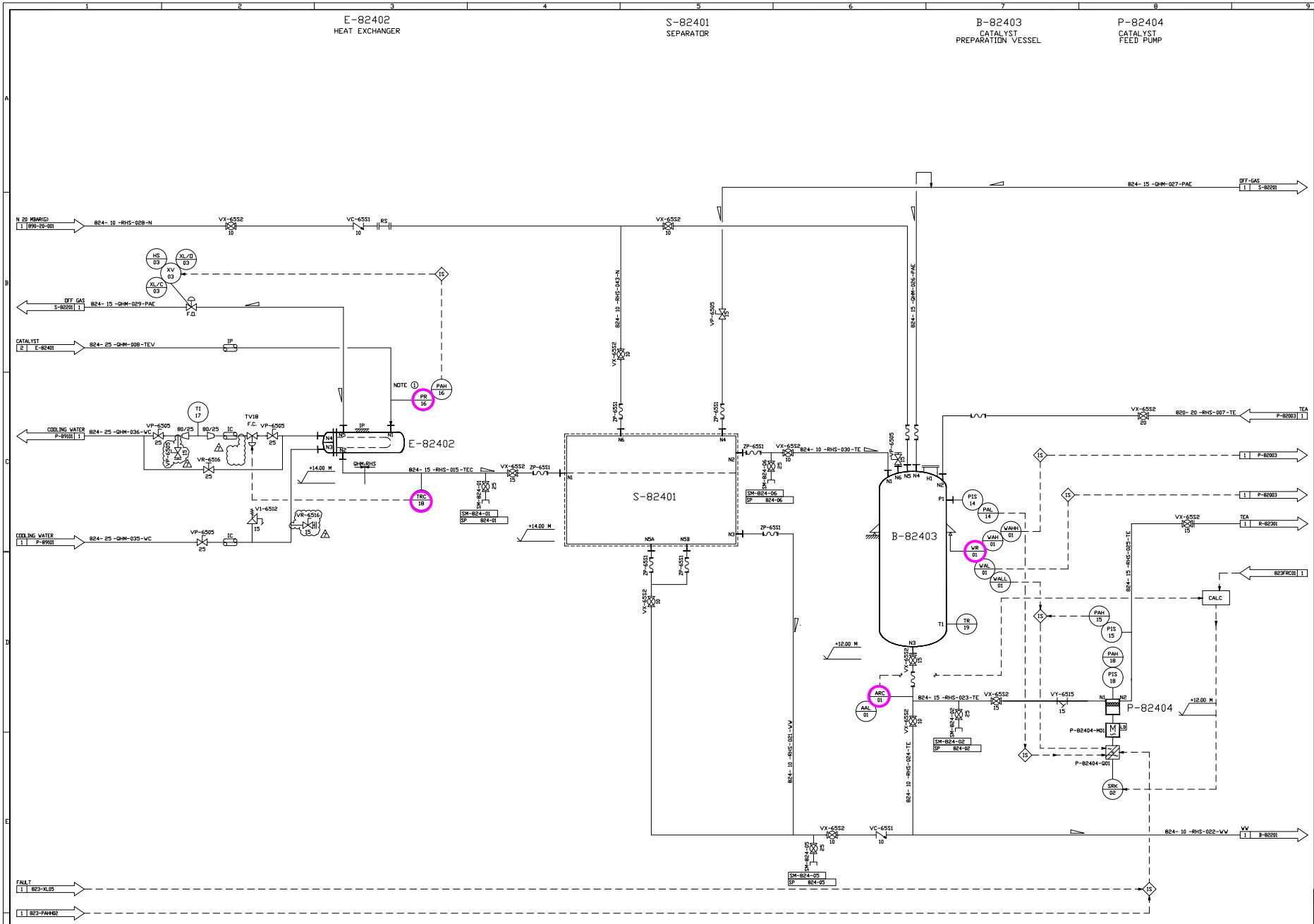

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UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N) = 25 MBAR

NOTES:

1. CONNECTION TO PRESSURE SENSOR TO BE SELECTED IN DETAIL ENGINEERING.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BCMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BCMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BCMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BCMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BCMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BCMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BCMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BCMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

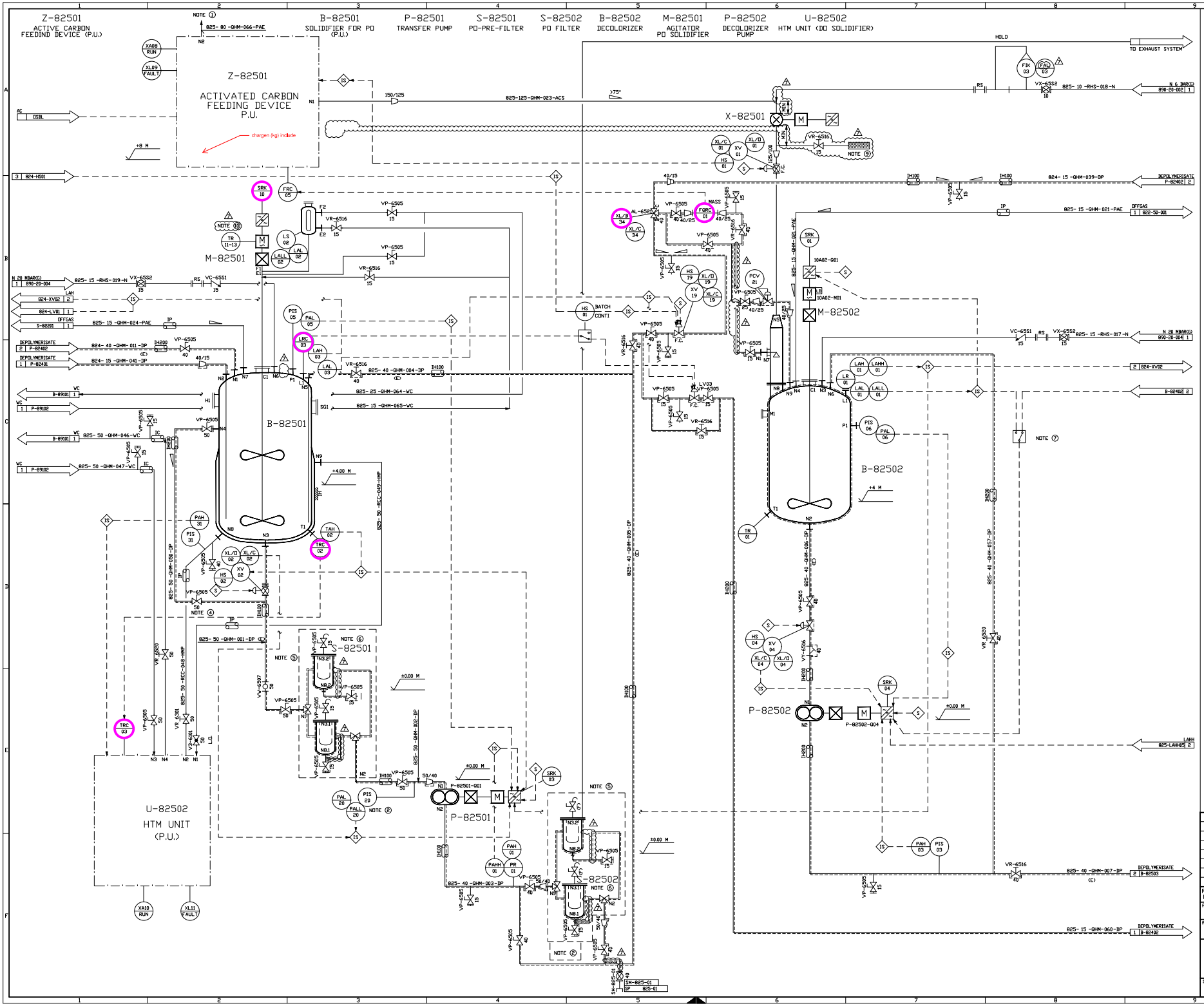
CONTINUOUS BHET PRODUCTION CATALYST RECYCLING

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 824 – PID – 0021 – 0003 (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	7	3 / 3

SIZE A0: 841x1189 MM

FILE No.: 202146C-824-PID-0021-0003-7



UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
"LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH 100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N) = 25 MBAR.

NOTES:

1. VENT TO ATMOSPHERE AT SAFE LOCATION OUTSIDE
2. CONTAINER FOR SOLID DISCHARGE HAS TO BE FORSEEN
3. CHECK WITH VENDOR IF COOLING IS REQUIRED FOR AGITATOR AND DESIGN COOLING WATER LINES ACCORDINGLY
4. DISTANCE BETWEEN VP-6505 AND T-BRANCH AS SHORT AS POSSIBLE
5. EXHAUST HOOD OVER FILTER, DN150
6. S-82501 AND S-82502 EACH ARE A REDUNDANT DOUBLE-FILTER EQUIPMENT. DRAIN VALVES IN PIPING SCOPE; THREE-WAY VALVES AND PIPING IN SCOPE OF EQUIPMENT VENDOR
7. CONDITIONS PER CAUSE AND EFFECT LIST APPLY
8. CLOSE TO Z-82501
9. OUTLET WITH FINE FILTER TO PREVENT FINE PARTICLE RELEASE. FILTER IDENTICAL TO THE FILTER ON TOP OF LINE 825-025-QHM-023-ACS.
10. TEMPERATURE VALUE IS AVAILABLE ONLY AT THE VFD

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION PRODUCT CLEANING PO REMOVAL
P + I – DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	REV.	SH./SH.
–	202146C004 – 825 – PID – 0021 – 0001	7	1/8

SIZE AD: 841x1189 MM

FILE No.: 202146C-825-PID-0021-0001-7

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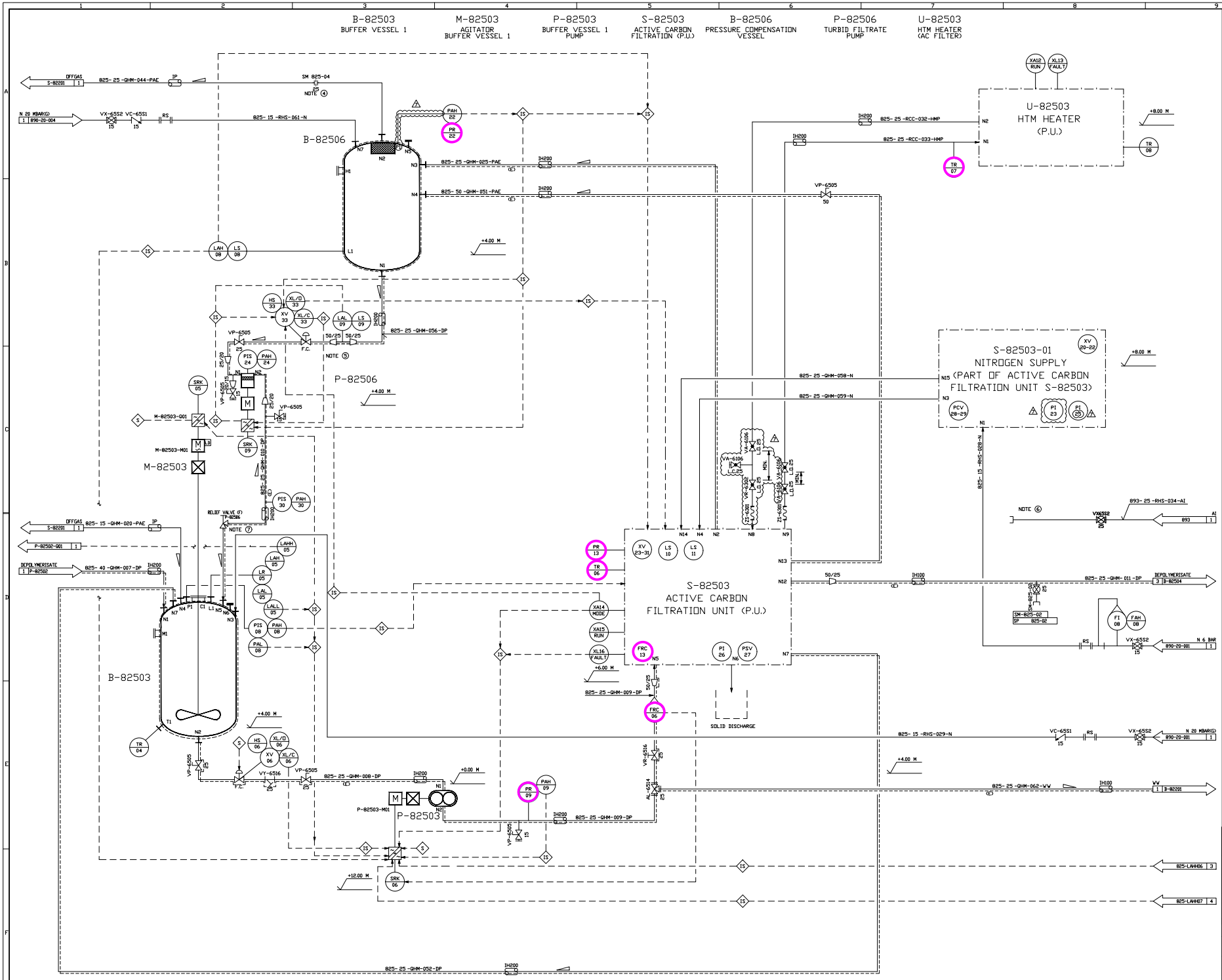

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR
PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH 100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N) = 25 MBAR.

NOTES:

1. CONTAINER FOR SOLID DISCHARGE HAS TO BE FORSEEN.
2. DELETED.
3. CHECK WITH VENDOR IF COOLING IS REQUIRED FOR AGITATOR AND DESIGN COOLING WATER LINES ACCORDINGLY.
4. ORIFICE IN VERTICAL POSITION. HOLE ø 8,0mm.
5. 825-LS09 IN VERTICAL PIPE, T-PIECE WITH 180MM NOZZLE LENGTH.
6. AI SUPPLY TO SUPPLY CARBINET OF S-82503
7. CLOSE TO B-82503

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	FI 20.02.25 AS-BUILT	MS 20.02.25	FI 20.02.25	BCMA 20.02.25
6	6	FI 27.11.24 –	MS 27.11.24	FI 27.11.24	BCMA 27.11.24
5	5	FI 06.11.23 IFC-REVISION	MS 06.11.23	FI 06.11.23	BCMA 06.11.23
4	4	FI 27.06.23 IFC	MS 27.06.23	FI 27.06.23	BCMA 27.06.23
3	3	FI 12.06.23 GENERAL REVISION	MS 12.06.23	FI 12.06.23	BCMA 12.06.23
2	2	FI 09.02.23 GENERAL REVISION	MS 09.02.23	FI 09.02.23	BCMA 09.02.23
1	1	FI 03.01.23 GENERAL REVISION	MS 03.01.23	FI 03.01.23	BCMA 03.01.23
0	0	FI 22.09.22 ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BCMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION PRODUCT CLEANING DECOLORIZATION

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 825 – PID – 0021 – 0002 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	2 / 8

SIZE AD: 841x1189 MM

FILE No.: 202146C-825-PID-0021-0002-7

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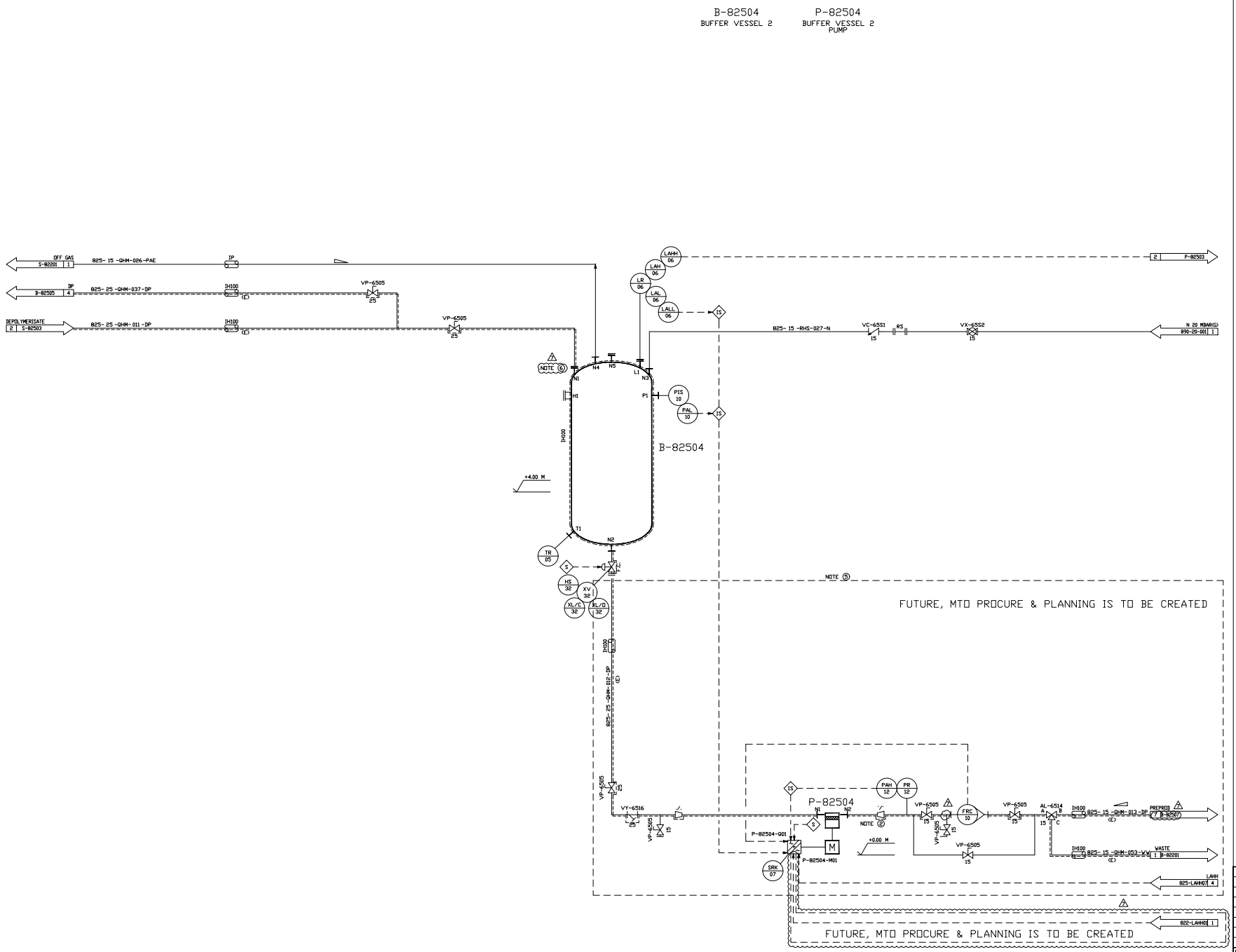

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH 100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR.

NOTES:

1. CONTAINER FOR SOLID DISCHARGE HAS TO BE FORSEEN.
2. DELETED.
3. CHECK WITH VENDOR IF COOLING IS REQUIRED FOR AGITATOR AND DESIGN COOLING WATER LINES ACCORDINGLY.
4. HOLD - DESIGN OF VESSEL AND PIPING TO BE CHECKED WITH VENDOR OF S-82502 DURING DETAIL ENGINEERING.
5. FUTURE, MTO PROCURE & PLANNING IS TO BE CREATED
6. BLIND FLANGE OR BLIND GASKET TO BE INSTALLED AS LONG AS ION EXCHANGER IS NOT IN PLACE

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION PRODUCT CLEANING DECOLORIZATION

P + I - DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 825 – PID – 0021 – 0003 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	3 / 8

SIZE AD: 841x1189 MM

FILE No.: 202146C-825-PID-0021-0003-7

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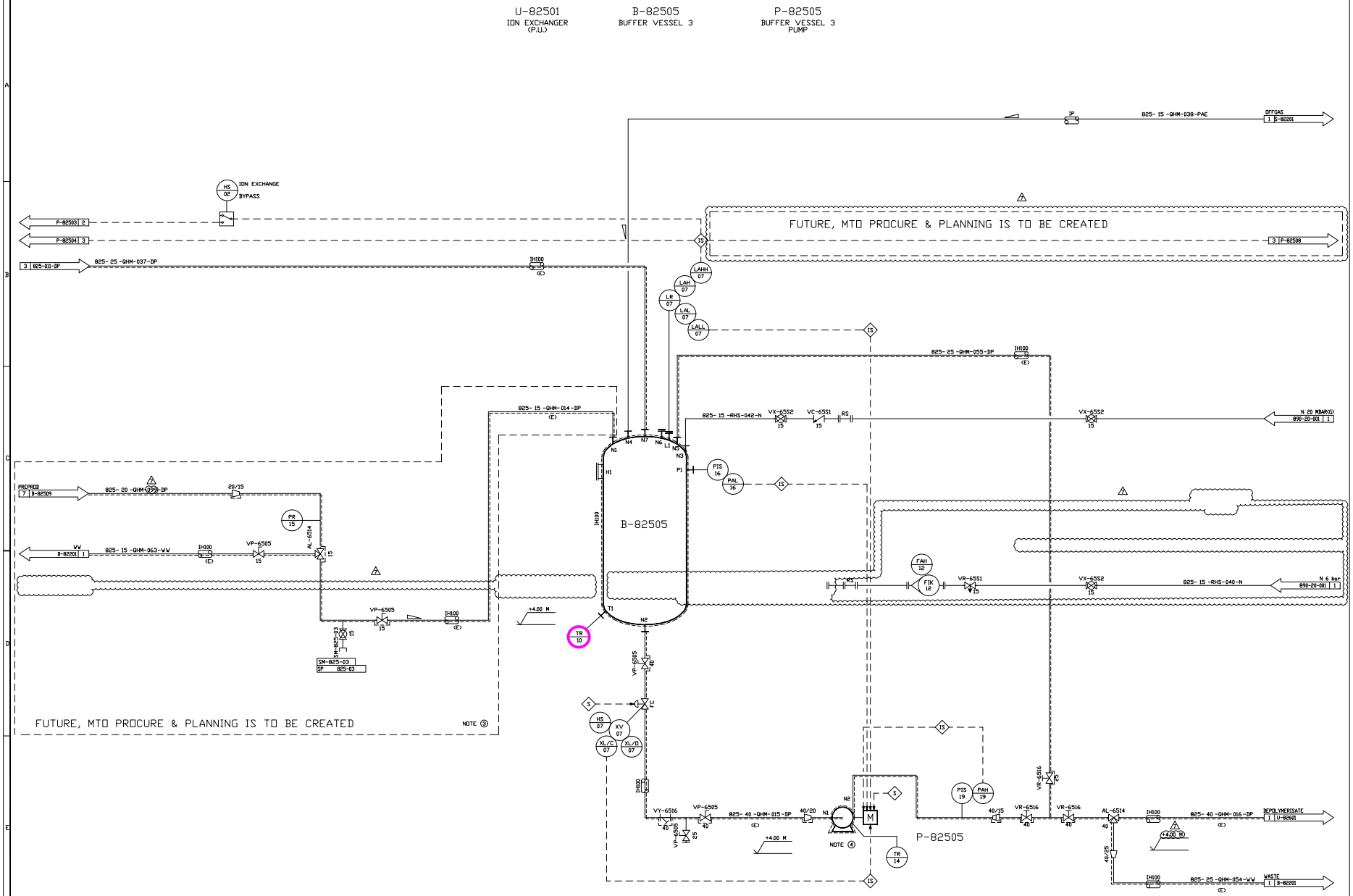

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N) = 25 MBAR.

NOTES:

1. DELETED.
2. CONTAINER FOR SOLID DISCHARGE HAS TO BE FORSEEN.
3. FUTURE, MTO PROCURE & PLANNING IS TO BE CREATED
4. IN CASE OF OUTAGE OR FAILURE OF THE PUMP, PUMP NEEDS TO BE DRAINED TO AVOID SOLIDIFICATION OF MEDIUM.
   IN CASE OF SHUT-DOWN PUMP NEEDS TO BE FLUSHED WITH EG AND DRAINED AFTERWARDS.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	FI 20.02.25 AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	FI 27.11.24 –	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	FI 06.11.23 IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	FI 27.06.23 IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	FI 12.06.23 GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	FI 09.02.23 GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	FI 03.01.23 GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	FI 22.09.22 ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION
PRODUCT CLEANING
ION EXCHANGER
P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 825 – PID – 0021 – 0004 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	4 / 8

SIZE A0: 841x1189 MM

FILE No.: 202146C-825-PID-0021-0004-7

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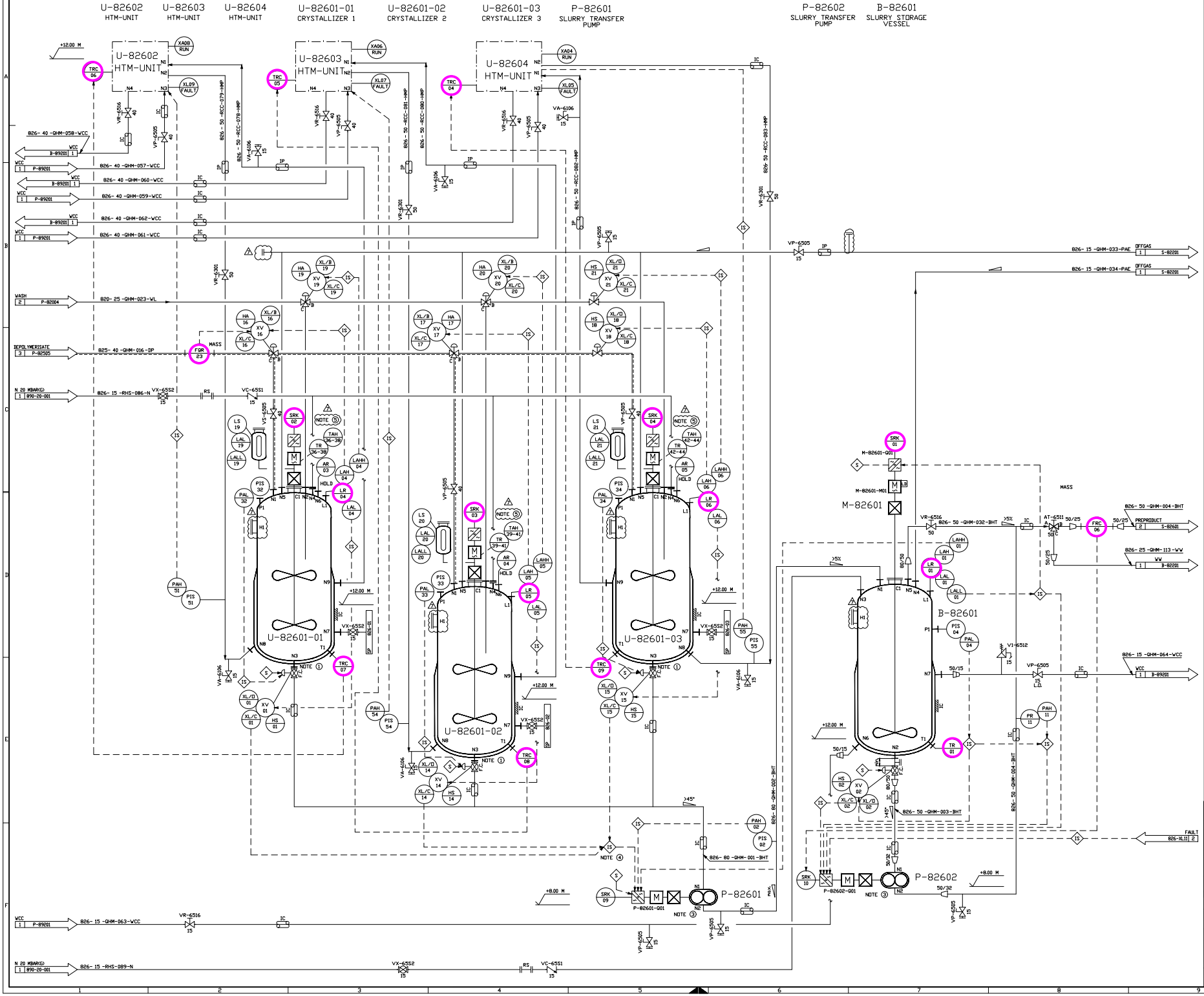

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR.

NOTES:

1. VALVE MOUNTED DIRECTLY TO VESSEL
2. LOW SHEAR FLOW METER.
3. INLET AT TOP. SUCTION SIDE AS SHORT AS POSSIBLE AND WITH AS FEW PIPE BENDS AS POSSIBLE.
4. INTERLOCK ONLY APPLIES IF XV01, XV14 AND XV15 ARE CLOSED
5. TEMPERATURE VALUE IS AVAILABLE ONLY AT THE VFD.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FT 20.02.25	BOMA 20.02.25
6	6	–	MS 27.11.24	FT 27.11.24	BOMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FT 06.11.23	BOMA 06.11.23
4	4	IFC	MS 27.06.23	FT 27.06.23	BOMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FT 12.06.23	BOMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FT 09.02.23	BOMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FT 03.01.23	BOMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FT 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION PRODUCT PURIFICATION CRYSTALLIZATION
P + I – DIAGRAM

SCALE: –
REGISTRATION NUMBER: 202146C004 – 826 – PID – 0021 – 0001 (PROJECT No. | UNIT No. | DOC. TYPE | MAT. CODE | SERIAL No.)
REV.: 7
SH./SH.: 1/5

SIZE AD: 841x1189 MM

FILE No.: 202146C-826-PID-0021-0001-7

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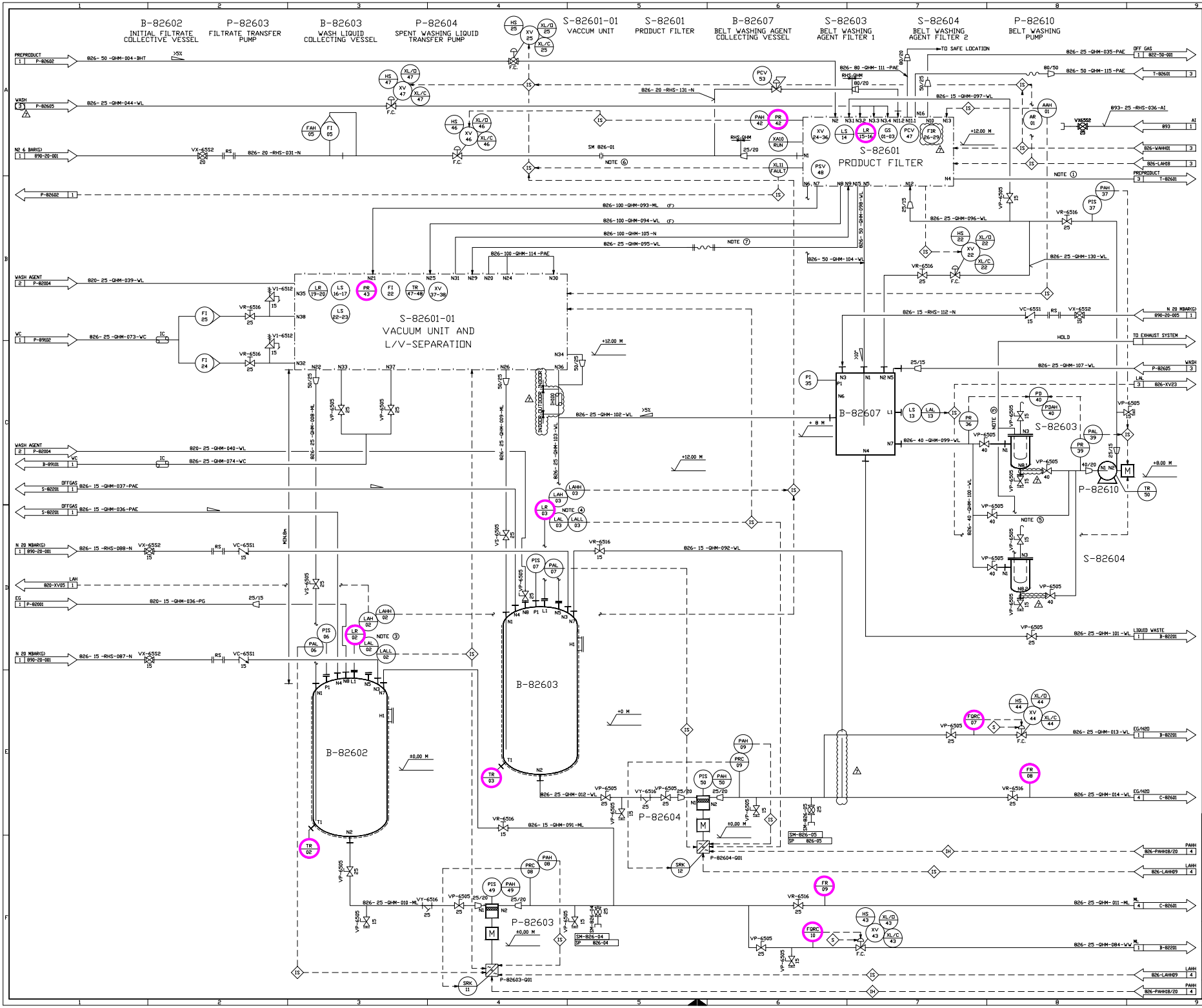

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR.

NOTES:

1. SQUARE SHAPED CHANNEL 630x670 MM INCLUDING COMPENSATOR
2. NOT USED.
3. LAL WITH LOCAL INDICATION NEAR MANUAL VALVE IN LINE 820-15-QHM-036-PG AND INDICATION IN THE DCS
4. LAL WITH LOCAL INDICATION NEAR MANUAL VALVE IN LINE 820-15-QHM-040-WL AND INDICATION IN THE DCS
5. EXHAUST HOOD OVER FILTER, DN150
6. ORIFICE HOLE ø 6,0mm.
7. LINE 826-25-QHM-095-WL TO BE BULIT AS FLEXIBLE CONNECTION IN CIRCULAR ARC SHAPE. CAUTION: WEAR PART, NEED TO BE REPLACED REGULARLY.
8. AIR SUPPLY TO SUPPLY CABINET OF S-82601

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION PRODUCT PURIFICATION CRYSTALLIZATION

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 826 – PID – 0021 – 0002	7	2 / 5

SIZE AD: 841x1189 MM

FILE No.: 202146C-826-PID-0021-0002-7

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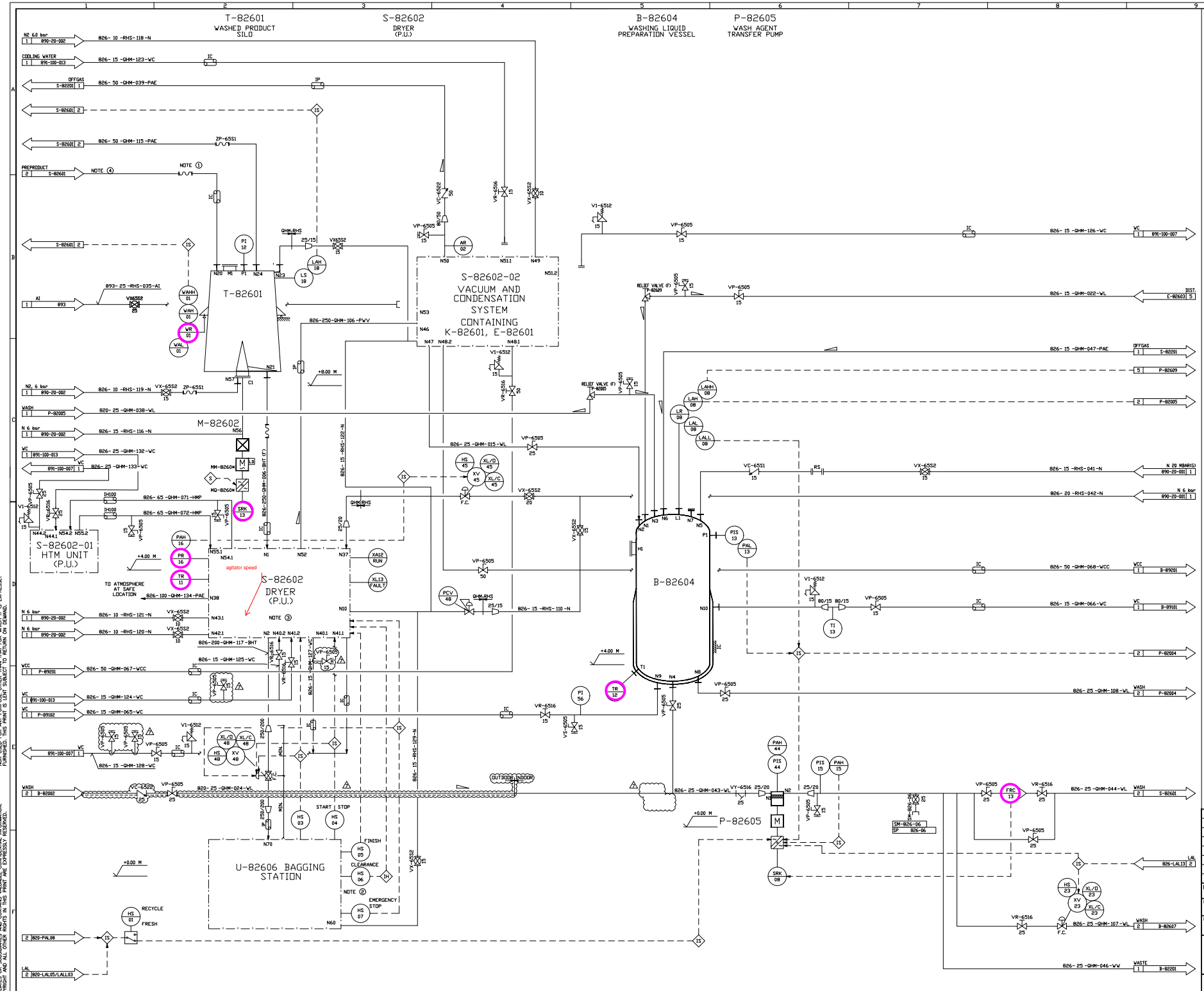

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
"LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM"

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- ALL TRACED LINES ARE INSULATED IH100.
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR.

NOTES:

1. HOSE CONNECTION TO AVOID TRANSFER OF FORCES BY PIPING TO T-82601. HOSE EQUIPPED WITH QUICK RELEASE COUPLING ON BOTH ENDS.
2. HS06 AS KEY-OPERATED SWITCH THAT INTERRUPTS CONNECTION TO DISCHARGE VALVE OF DRYER ON HARDWARE-SIDE. VALVE CANNOT BE OPENED UNLESS KEY IS TURNED.
3. N2 AND N52 AS FLANGE CONNECTION WITH PRESSURE LEVEL PN10. SUITABLE ADAPTER TO BE USED.
4. SQUARE SHAPED CHANNEL 630x670 MM INCLUDING COMPENSATOR

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	FI 20.02.25	AS-BUILT	MS 20.02.25	FI 20.02.25	BOMA 20.02.25
6	6	FI 27.11.24	–	MS 27.11.24	FI 27.11.24	BOMA 27.11.24
5	5	FI 06.11.23	IFC-REVISION	MS 06.11.23	FI 06.11.23	BOMA 06.11.23
4	4	FI 27.06.23	IFC	MS 27.06.23	FI 27.06.23	BOMA 27.06.23
3	3	FI 12.06.23	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BOMA 12.06.23
2	2	FI 09.02.23	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BOMA 09.02.23
1	1	FI 03.01.23	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BOMA 03.01.23
0	0	FI 22.09.22	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BOMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION PRODUCT PURIFICATION DRYING
P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 826 – PID – 0021 – 0003 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	3/5

SIZE AD: 841x1189 MM

FILE No.: 202146C-826-PID-0021-0003-7

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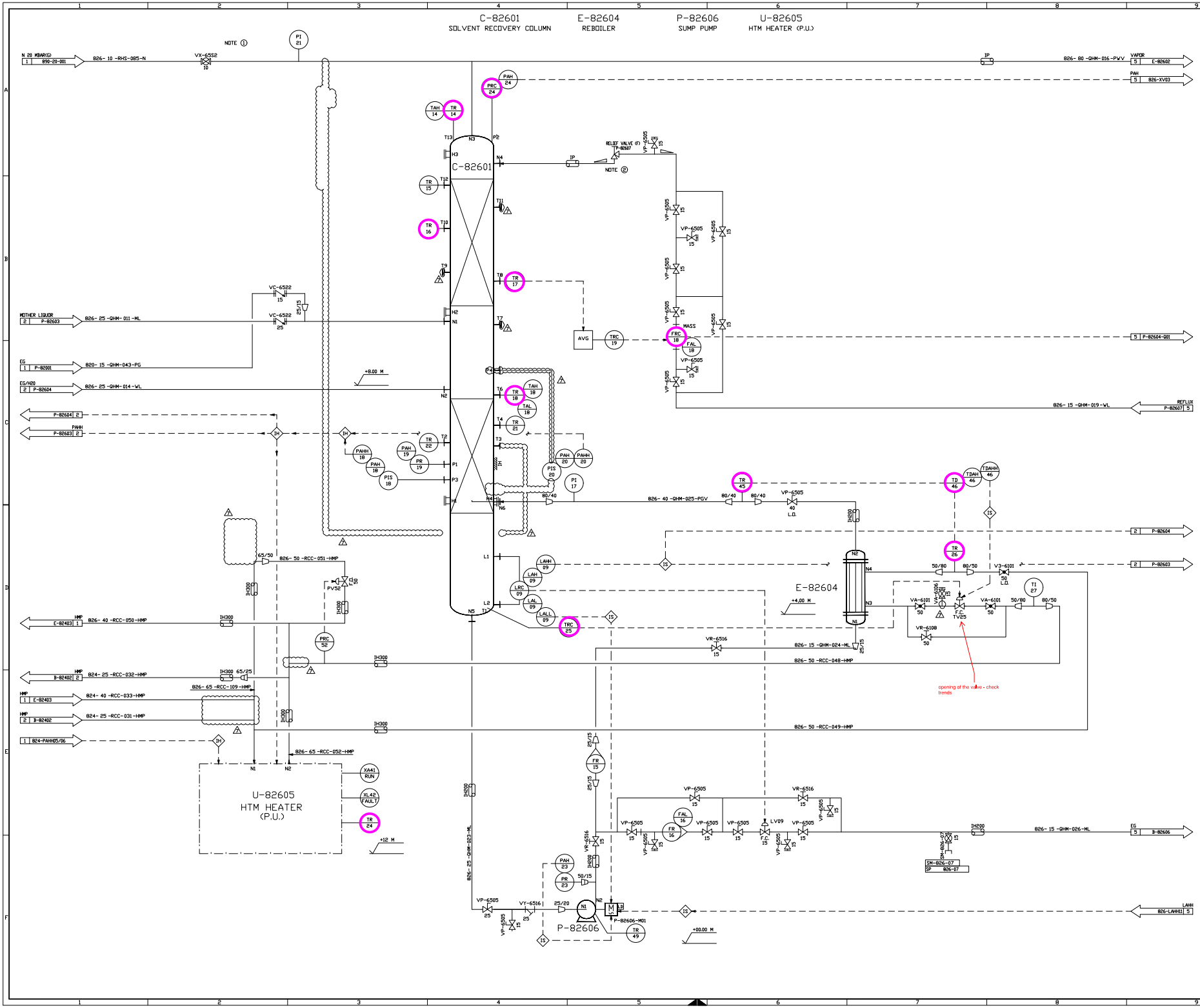

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT

NOTES:

1. VALVE AND PI AS CLOSE TO COLUMN
2. CLOSE TO C-82601

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BCMA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BCMA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BCMA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BCMA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BCMA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BCMA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BCMA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BCMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION WASH AGENT / EG RECOVERY

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 826 – PID – 0021 – 0004	7	4 / 5

SIZE A0: 841x1189 MM

FILE No.: 202146C-826-PID-0021-0004-7

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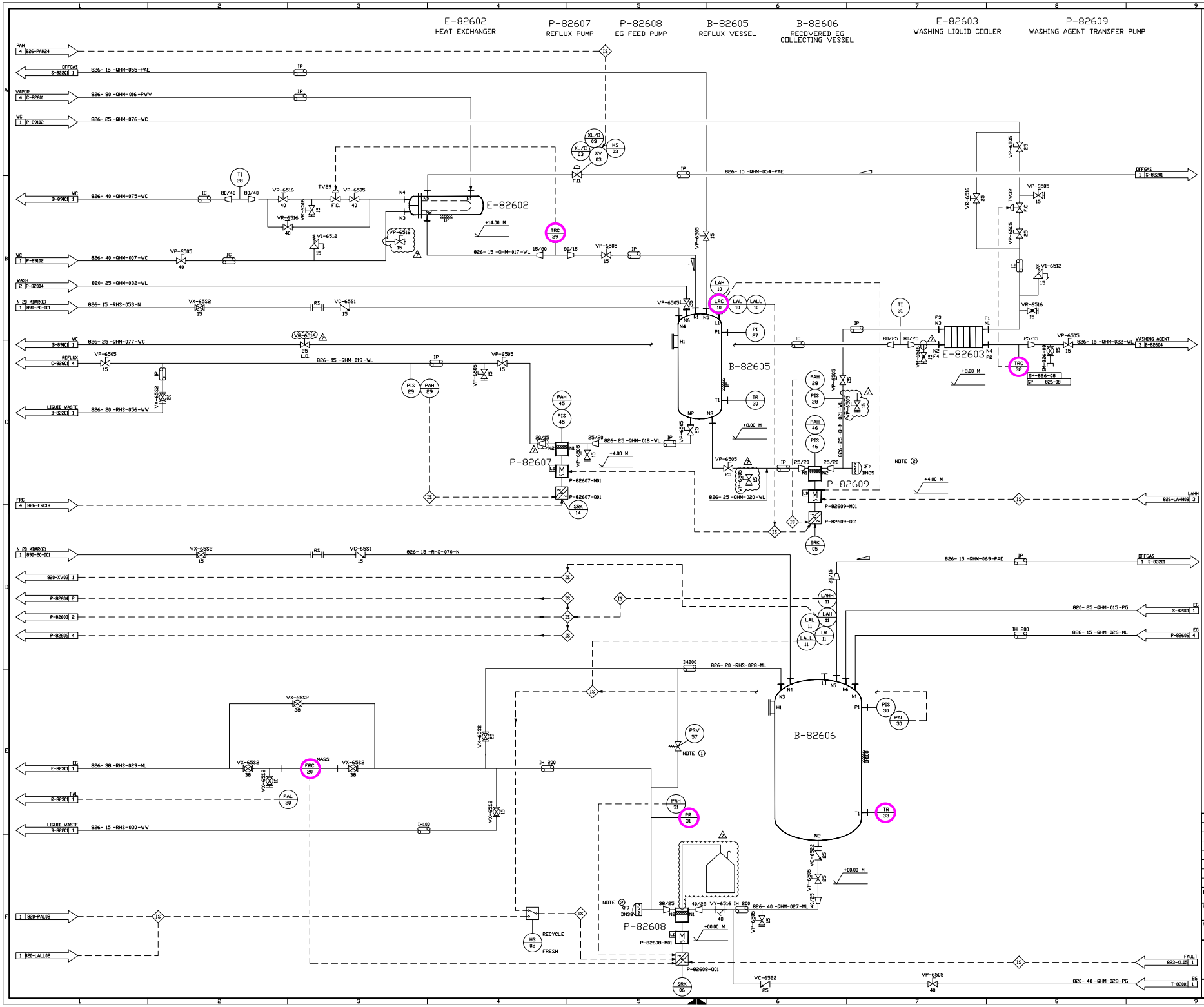

UNIVERSAL NOTES:

NOTES WHICH ARE VALID FOR THE ENTIRE PROJECT ARE SHOWN AT:
'LEGEND FOR PIPING AND INSTRUMANTATION DIAGRAM'

GENERAL NOTES:

- WET AREA BASIC RESISTANT
- MAXIMUM STATIC OPENING PRESSURE OF ALL CHECK VALVES IN GAS LINES (PAE AND N)=25 MBAR.

NOTES:

1. OPENING PRESSURE OF 826-PSV57 = 46 bar(g).
2. PEPULSATION DAMPER (F)

REV. NO.	VERSION	STATUS	CHECKED PROCESS	DATE	CHECKED PIPING	DATE	APPROVED	DATE
7	7	AS-BUILT	MS	20.02.25	FI	20.02.25	BCMA	20.02.25
6	6	–	MS	27.11.24	FI	27.11.24	BCMA	27.11.24
5	5	IFC-REVISION	MS	06.11.23	FI	06.11.23	BCMA	06.11.23
4	4	IFC	MS	27.06.23	FI	27.06.23	BCMA	27.06.23
3	3	GENERAL REVISION	MS	12.06.23	FI	12.06.23	BCMA	12.06.23
2	2	GENERAL REVISION	MS	09.02.23	FI	09.02.23	BCMA	09.02.23
1	1	GENERAL REVISION	MS	03.01.23	FI	03.01.23	BCMA	03.01.23
0	0	ORIGINAL ISSUE	MS	22.09.22	FI	22.09.22	BCMA	22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION WASHING AGENT / EG RECOVERY

P + I – DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 826 – PID – 0021 – 0005 (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	7	5/5

SIZE A0: 841x1189 MM

FILE No.: 202146C-826-PID-0021-0005-7

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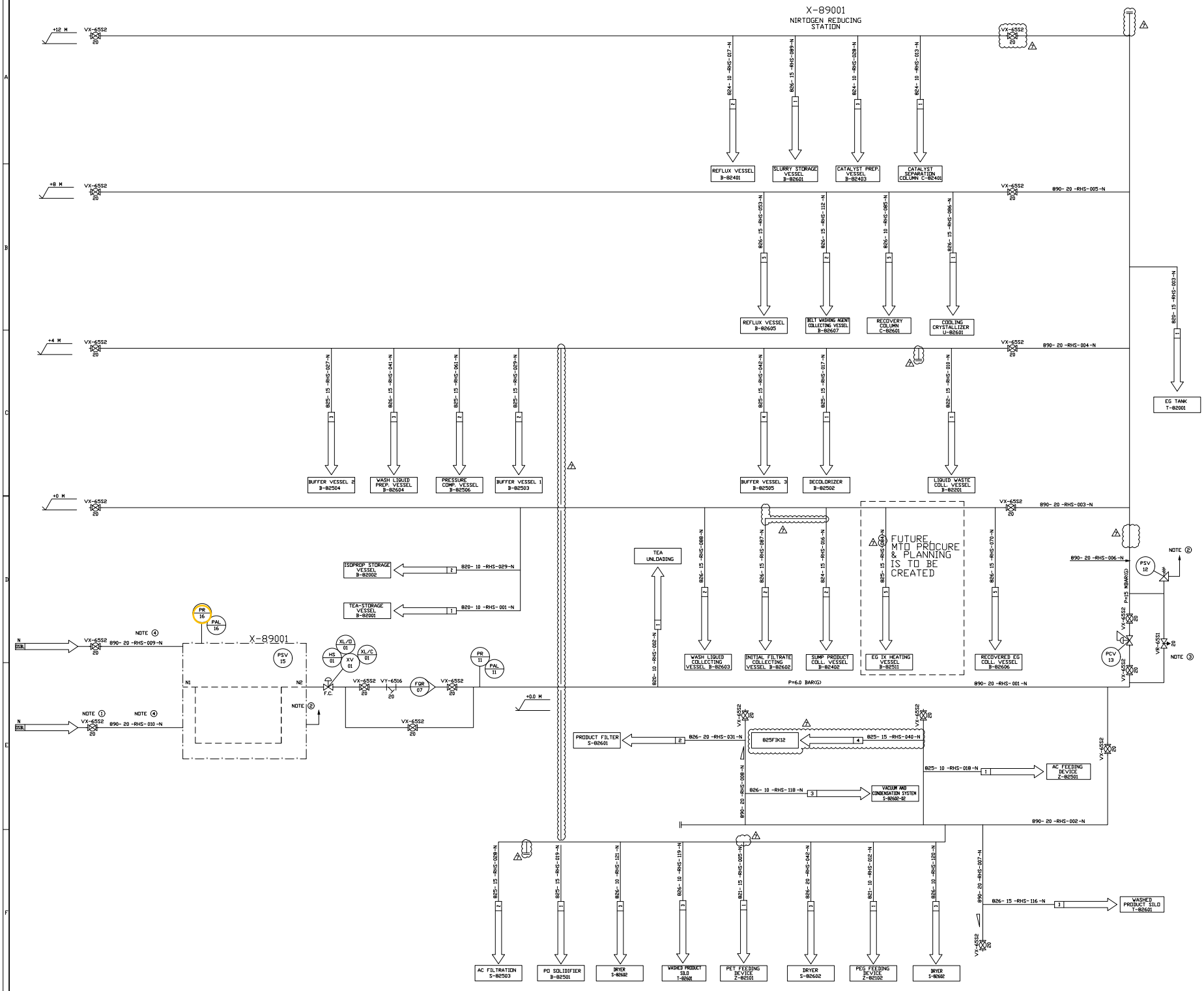

NOTES:

1. TWO CONNECTIONS FOR REDUNDANCY OR OPTION TO INSTALL NITROGEN GENERATOR.
2. VENT TO ATMOSPHERE AT SAFE LOCATION.
3. VALVE TO BE CLOSED AND VALVE HANDLE REMOVED PRIOR FIRST PRESSURIZATION.
4. PIPE IS A FLEXIBLE HOSE AND NOT A STIFF PIPE.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BONA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BONA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BONA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BONA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BONA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BONA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BONA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BONA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION NITROGEN

UTILITY LINE DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 890 – ULD – 0021 – 0001	7	1/1

SIZE A0: 841x1189 MM

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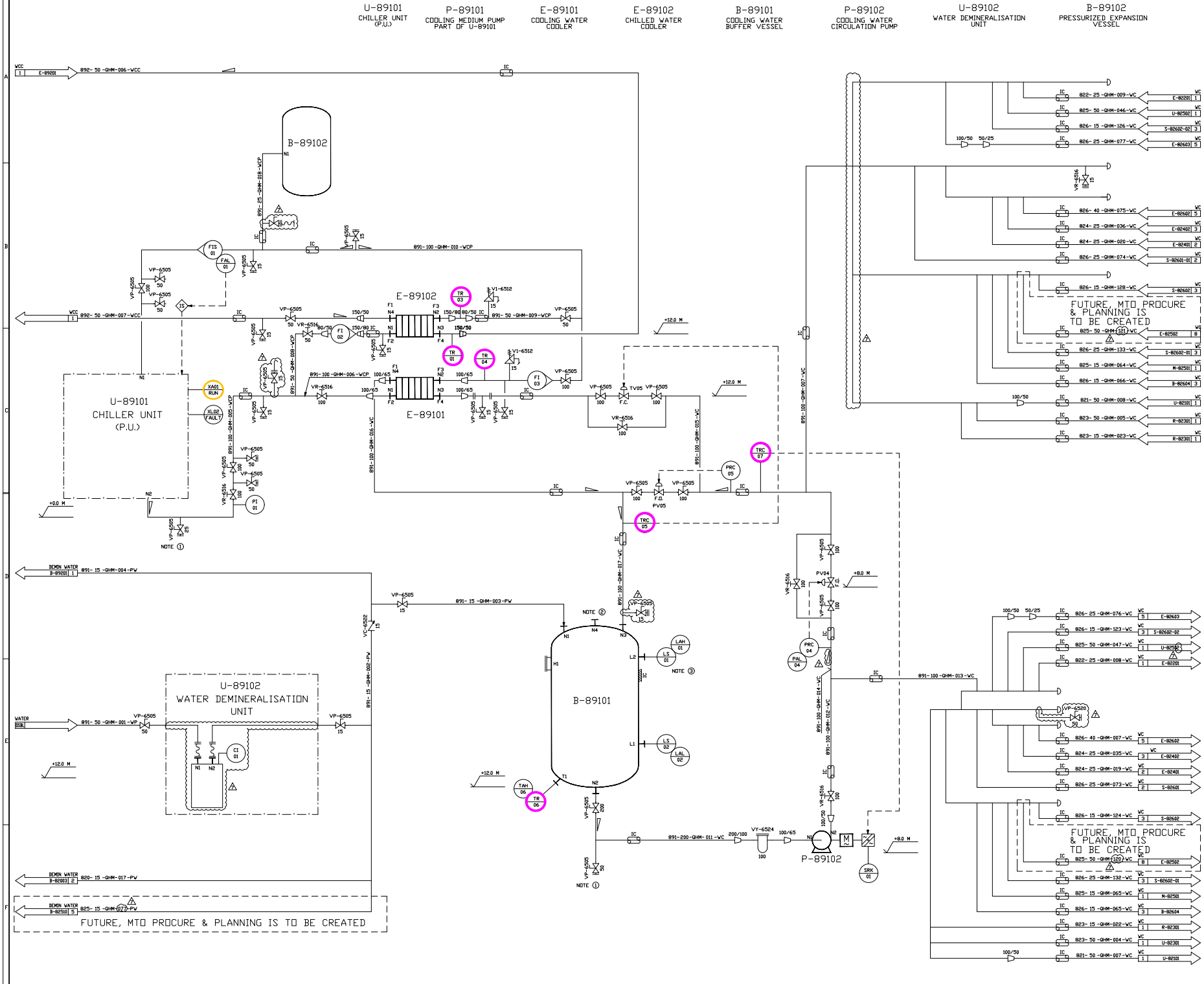

GENERAL NOTES:

- ALL WC,WCC AND WCP LINES ARE INSULATED IC.

NOTES:

1. LOW POINT DRAIN.
2. VENT TO SAFE LOCATION.
3. LAH WITH DCS CONNECTION AND LOCAL INDICATION. LOCAL INDICATION NEXT TO VP-6505 IN LINE 891-15-QHM-003-PW.

REV. NO.	VERSION	STATUS	CHECKED PROCESS	DATE	CHECKED PIPING	DATE	APPROVED	DATE
7	7	FI 20.02.25	AS-BUILT	MS 20.02.25	FI 20.02.25	BONA 20.02.25
6	6	FI 27.11.24	–	MS 27.11.24	FI 27.11.24	BONA 27.11.24
5	5	FI 06.11.23	IFC-REVISION	MS 06.11.23	FI 06.11.23	BONA 06.11.23
4	4	FI 27.06.23	IFC	MS 27.06.23	FI 27.06.23	BONA 27.06.23
3	3	FI 12.06.23	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BONA 12.06.23
2	2	FI 09.02.23	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BONA 09.02.23
1	1	FI 03.01.23	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BONA 03.01.23
0	0	FI 22.09.22	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BONA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION COLLING WATER SUPPLY

UTILITY LINE DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 891 – ULD – 0021 – 0001 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	1/1

SIZE A0: 841x1189 MM

FILE No.: 202146C-891-ULD-0021-0001-7

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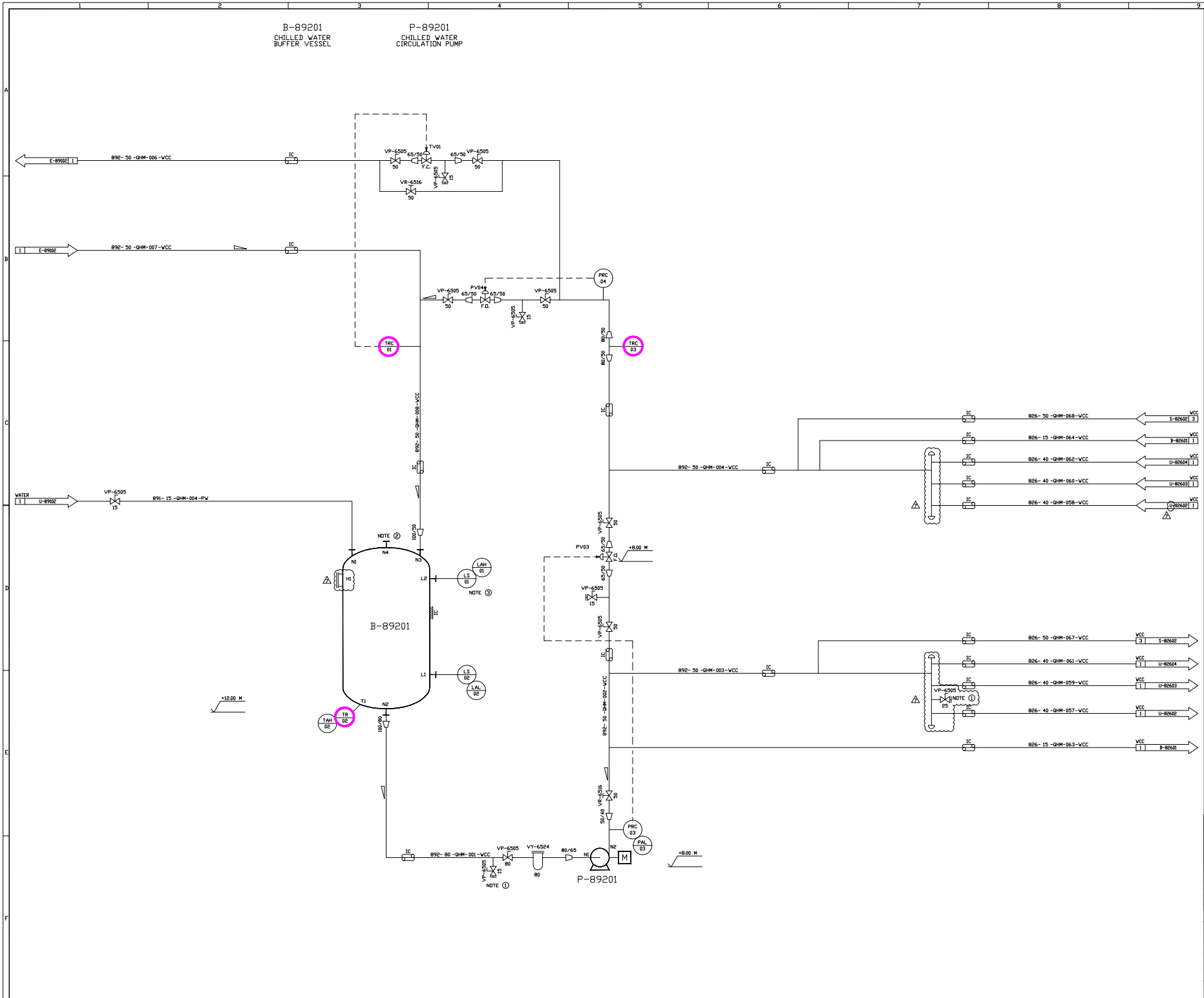

NOTES:

1. LOW POINT DRAIN.
2. VENT TO SAFE LOCATION.
3. LAH WITH DCS CONNECTION AND LOCAL INDICATION.
   LOCAL INDICATION NEXT TO VP-6505 IN LINE 891-15-QHM-004-PW.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BONA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BONA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BONA 06.11.23
4	4	IFC	MS 27.06.23	FI 27.06.23	BONA 27.06.23
3	3	GENERAL REVISION	MS 12.06.23	FI 12.06.23	BONA 12.06.23
2	2	GENERAL REVISION	MS 09.02.23	FI 09.02.23	BONA 09.02.23
1	1	GENERAL REVISION	MS 03.01.23	FI 03.01.23	BONA 03.01.23
0	0	ORIGINAL ISSUE	MS 22.09.22	FI 22.09.22	BONA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES
Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION
CHILLED WATER SUPPLY

UTILITY LINE DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE, MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 892 – ULD – 0021 – 0001	7	1/1

SIZE A0: 841x1189 MM

FILE No.: 202146C-892-ULD-0021-0001-7

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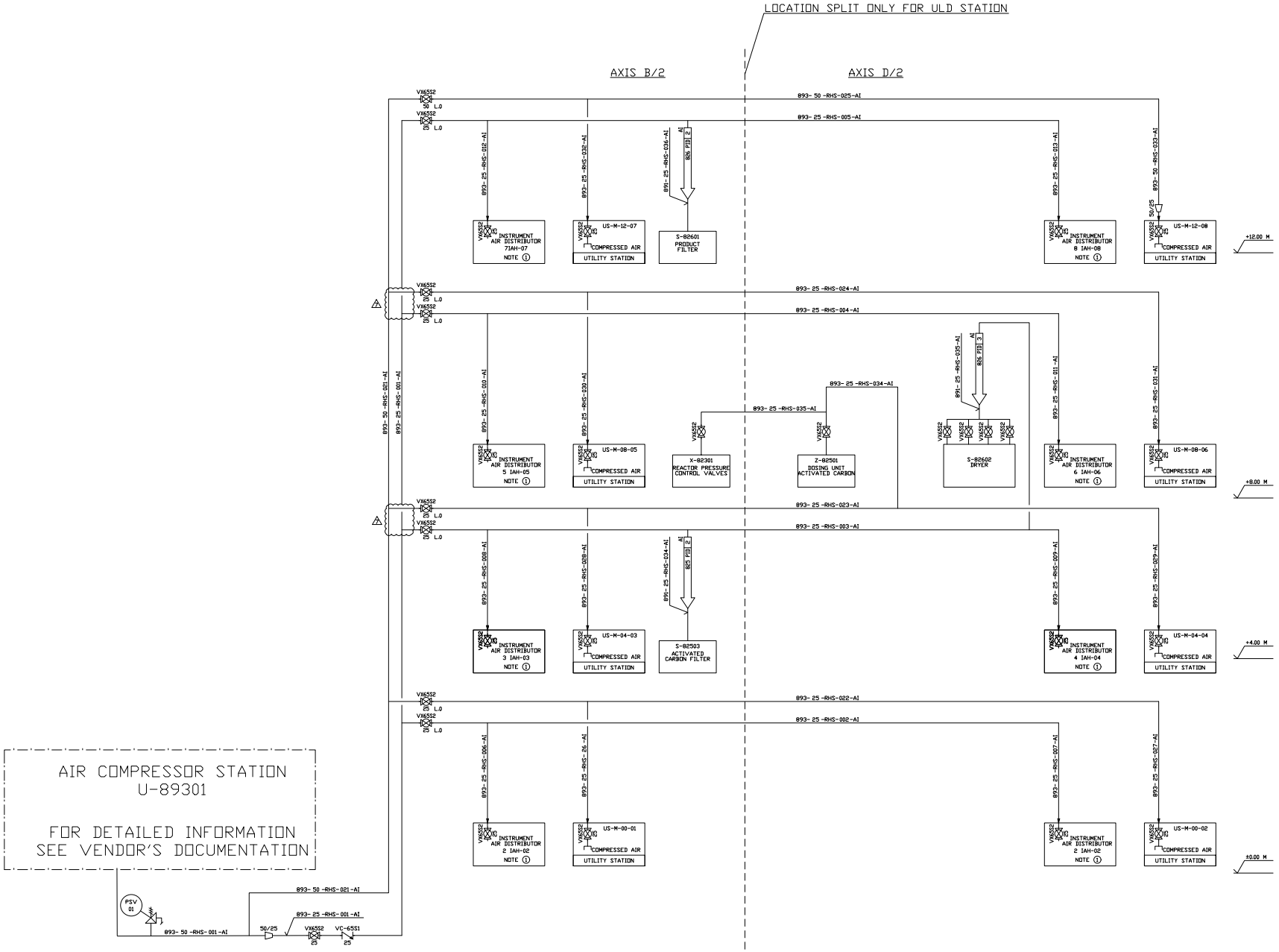


AIR COMPRESSOR STATION
U-89301

FOR DETAILED INFORMATION
SEE VENDOR'S DOCUMENTATION

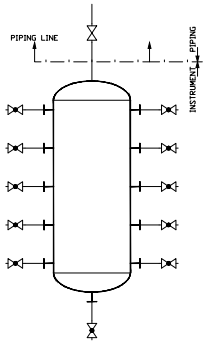
GENERAL NOTES:

* US-M-00-01 — US-UTILITY STATION
  M-IN AREA MORITZ
  00 - LEVEL [m]
  01 - COUNT NO.

* UTILITY VALVE COLOR CODING:
  - BLUE IS FOR THE AIR SYSTEM VALVE.
  - GREEN IS FOR WATER SYSTEM VALVE.

NOTES:

1. TYPICAL OF INSTRUMENT AIR DISTRIBUTOR



REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	FT 20.02.25 AS-BUILT	MS 20.02.25	FT 20.02.25	BCMA 20.02.25
6	6	FT 27.11.24 –	MS 27.11.24	FT 27.11.24	BCMA 27.11.24
5	5	FT 06.11.23 IFC-REVISION	MS 06.11.23	FT 06.11.23	BCMA 06.11.23
4	4	FT 18.10.23 ORIGINAL ISSUE – IFC	MS 18.10.23	FT 18.10.23	BCMA 18.10.23
3	3	FT 12.06.23 –	MS 12.06.23	FT 12.06.23	BCMA 12.06.23
2	2	FT 09.02.23 –	MS 09.02.23	FT 09.02.23	BCMA 09.02.23
1	1	FT 03.01.23 –	MS 03.01.23	FT 03.01.23	BCMA 03.01.23
0	0	FT 22.09.22 –	MS 22.09.22	FT 22.09.22	BCMA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION
INSTRUMENT AIR
COMPRESSED AIR
UTILITY LINE DIAGRAM

SCALE	REGISTRATION NUMBER	REV.	SH./SH.
–	202146C004 – 893 – ULD – 0021 – 0001 (PROJECT No. / UNIT No. / DOC. TYPE / MAT. CODE / SERIAL No.)	7	1/1

SIZE AD: 841x1189 MM

FILE No.: 202146C-893-ULD-0021-0001-7

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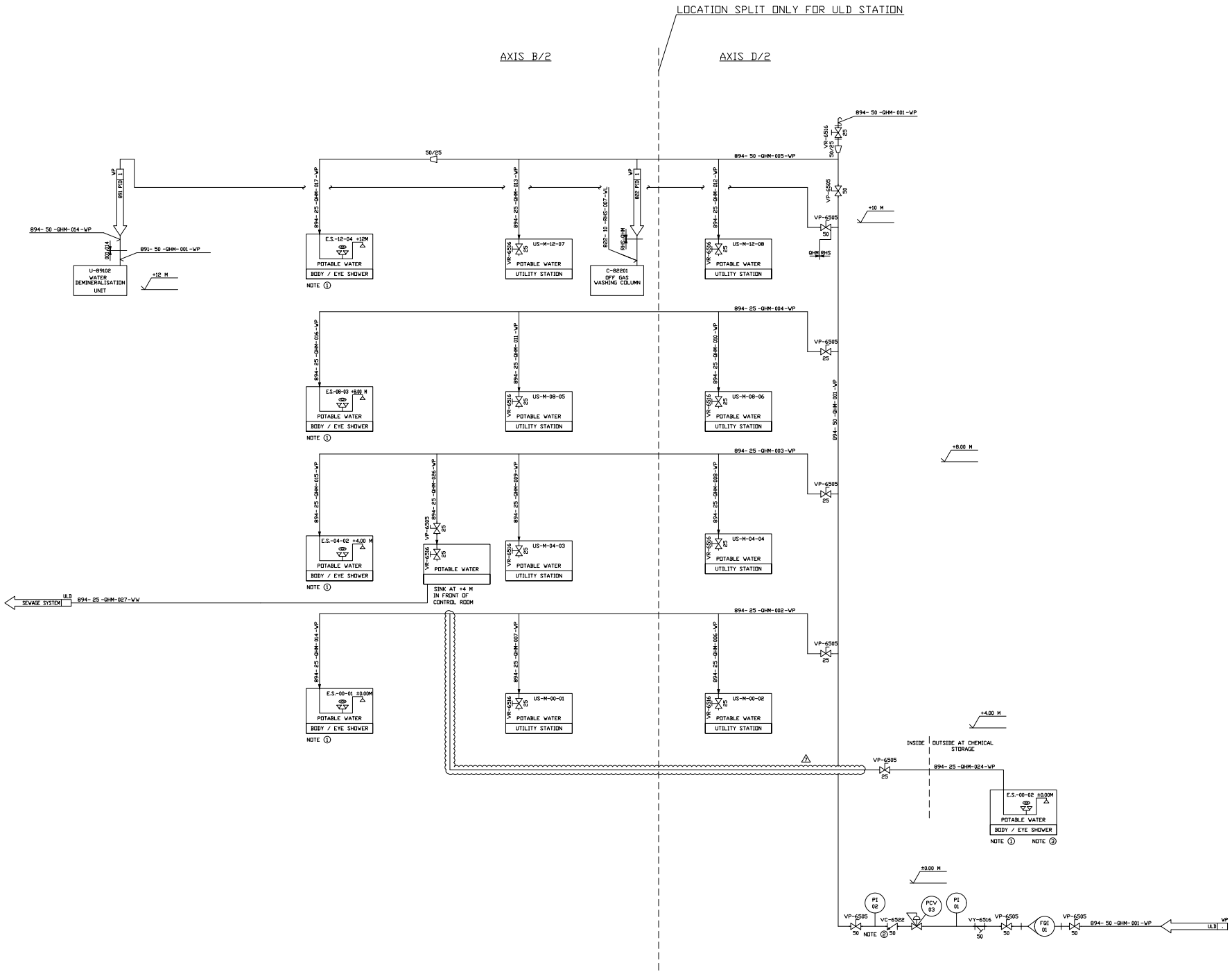

GENERAL NOTES:

* US-M-00-01 — US-UTILITY STATION
  M-IN AREA MORITZ
  00 - LEVEL [m]
  01 - COUNT NO.

* IN GENERAL, THE MATERIAL AND ITS COMPONENTS FROM THE COMPANY 'MAPRESS EDELSTAHLROHRE' WERE USED INSTEAD OF THE QHM. THE ITEM NO. OF THE COMPONENTS IS ONLY FOR THE PURPOSE OF UNDERSTANDING THE PROCESS.

NOTES:

1. TYPICAL OF BODY & EYE SHOWER

2. 'ROCKSCHLAGVERHINDERER' ACC. DHWG
3. HEATED BODY SHOWER TO AVOID FREEZING.

REV. NO.	VERSION	STATUS	CHECKED PROCESS DATE	CHECKED PIPING DATE	APPROVED DATE
7	7	AS-BUILT	MS 20.02.25	FI 20.02.25	BONA 20.02.25
6	6	–	MS 27.11.24	FI 27.11.24	BONA 27.11.24
5	5	IFC-REVISION	MS 06.11.23	FI 06.11.23	BONA 06.11.23
4	4	ORIGINAL ISSUE – IFC	MS 18.10.23	FI 18.10.23	BONA 18.10.23
3	3	–	MS 12.06.23	FI 12.06.23	BONA 12.06.23
2	2	–	MS 09.02.23	FI 09.02.23	BONA 09.02.23
1	1	–	MS 03.01.23	FI 03.01.23	BONA 03.01.23
0	0	–	MS 22.09.22	FI 22.09.22	BONA 22.09.22

PROJECT NAME: MORITZ

PROJECT NUMBER: 202146C004

TECHNIP ENERGIES — Zimmer® Polymer Technologies

CONTINUOUS BHET PRODUCTION POTABLE WATER

UTILITY LINE DIAGRAM

SCALE	REGISTRATION NUMBER (PROJECT No. – UNIT No. – DOC. TYPE – MAT. CODE – SERIAL No.)	REV.	SH./SH.
–	202146C004 – 894 – ULD – 0021 – 0001	7	1/1

SIZE A0: 841x1189 MM

FILE No.: 202146C-894-ULD-0021-0001-7

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