EPLAN P8
vs AutoCAD Electrical
vs ?

Does it actually matter anymore?

EPLAN P8 AutoCAD Electrical Oracle native

The same control-system model, compiled by three connectors.
Swipe to compare every page of the drawing set.

Page 1: Schematic - title page

Same page of the Oracle Tank pilot from each connector

EPLAN P8

ORACLE TANK

TANK PILOT

SCHEMATIC DIAGRAM

CUSTOMER	SYNTHETIC PILOT
PROJECT NO.	ORACLE-TP
DRAWING NO.	ORACLE-TP
STATUS	PRELIMINARY
DATE	27OCT26
DRAWN	ORACLE
MODEL REV	FF958A75
DESIGN BASIS	
STANDARD	NFPA 79
SUPPLY	480 VAC 3PH / 120 VAC
CONTROL	24 VDC

CONTENTS

PAGE	TITLE
1	TITLE PAGE
2	POWER SUPPLY
3	DISCONNECT/VFD
4	PLC/HMI SUPPLY
5	PLC/HMI SUPPLY
6	DIGITAL INPUTS
7	DIGITAL OUTPUTS
8	ANALOG I/O
9	PUMP DRIVE
10	SAFETY CIRCUIT

NOT IN THE BOM (OPEN IN THE MODEL):
SELECTED BY THE PANEL BUILDER: ES10011, SB10030
DC RATING OF THE 217 AND 218 GLASS INSERTS AT 24 VDC NOT CONFIRMED FROM A LITTELFUSE DATA SHEET (DISTRIBUTOR LISTINGS DISAGREE)
0218.630MXP AND 0218.800MXP LISTINGS NOT CHECKED (SERIES ORDERING CODE)
END COVER FOR THE UT 4-HESI (5X20) FUSE TERMINALS AND COVERS AT CHANGES OF TERMINAL FAMILY INSIDE A STRIP (NOT SOURCED; NEEDS THE STRIP ORDER)
JUMPERS BETWEEN TERMINALS OF ONE POTENTIAL (DESIGN DECISION, NOT IN THE MODEL)
MARKER STRIPS FOR THE TERMINAL DESIGNATIONS (NOT SOURCED)
DIN RAIL, WIRE DUCT AND FERRULES: NOT IN THIS LIST YET
CONDUCTOR AND CABLE QUANTITIES (LENGTHS): NOT IN THIS LIST YET

REV	DATE	CHANGE NUMBER	AMENDMENTS	BY	APPD

47	1	BRADY	101519	Safety label WARNING Arc flash and shock hazard, PPE required, 2 x 4 in, polyester
46	1	HOFFMAN	CP4230	Concept back panel for 42 x 30 in enclosures, white painted steel, 40.20 x 28.20 in
45	1	HOFFMAN	CSD423012	Concept single-door wall-mount enclosure 42 x 30 x 12 in, steel, Type 4/12, UL 508A
44	6	PHOENIX CONTACT	3047028	End and partition plate for terminal block
43	12	PHOENIX CONTACT	3022218	End bracket for terminal block
42	1	SIEMENS	3SK1111-1AB30	SIRIUS SAFETY RELAY STD RELAYS 3NO+1NC
41	1	SIEMENS	7NG3211-0NN00	Pt100 head transmitter, 4...20 mA 2-wire, not isolated, no Ex
40	1	SIEMENS	7MF1572-1DA10	Submersible hydrostatic level transmitter 0...4 mH2O, 10 m cable, 4...20 mA 2-wire
39	1	LITTELFUSE	0218.630MXP	Fuse insert 5 x 20 mm, 0.63 A T, time-lag (T), glass, 250 V AC, IEC 60127-2 sheet 3
38	5	LAPP	0035004	OLFLEX CLASSIC 100 CY 300/500V 2X0,75, tinned copper braid screen
37	2	LITTELFUSE	0217.630MXP	Fuse insert 5 x 20 mm, 0.63 A F, fast-acting (F), glass, 250 V AC, IEC 60127-2 sheet 2
36	2	ASCO	8210G002DC24/DCD	Solenoid valve 2/2 NC, brass, 1/2" NPT, 24 VDC 11.6 W, flying leads 18 in
35	3	SIEMENS	3RH2122-1HB40	COUPLING CONTACTOR RELAY, 2NO+2NC
34	1	IFM	SI5010	Flow monitor
33	3	LAPP	00101253	CLASSIC 100 3X0,75
32	2	SIEMENS	7ML5745-1AA02-1AA0	Vibrating level switch for liquids, G 3/4", 316L, PNP transistor output, M12 connector
31	1	SIEMENS	6AV2123-3GB32-0AW0	SIMATIC HMI MTP700 Unified Basic
30	1	LITTELFUSE	0218.500MXP	Fuse insert 5 x 20 mm, 0.5 A T, time-lag (T), glass, 250 V AC, IEC 60127-2 sheet 3
29	1	SIEMENS	6ES7233-4HF50-0XB0	SIMATIC S7-1200 G2 SM 1233 analog I/O, 4 AI/4 AO
28	9	LITTELFUSE	0217.500MXP	Fuse insert 5 x 20 mm, 0.5 A F, fast-acting (F), glass, 250 V AC, IEC 60127-2 sheet 2
27	1	SIEMENS	3SU1500-0AA10-0AA0	HOLDER
26	1	SIEMENS	3SU1001-0AA60-0AA0	INDICATOR LIGHT, WHITE
25	1	SIEMENS	3SU1401-1BB60-1AA0	SIRIUS ACT LED module, white, 24 V AC/DC
24	2	LITTELFUSE	0218.800MXP	Fuse insert 5 x 20 mm, 0.8 A T, time-lag (T), glass, 250 V AC, IEC 60127-2 sheet 3
23	1	LITTELFUSE	0218001.MXP	Fuse insert 5 x 20 mm, 1 A T, time-lag (T), glass, 250 V AC, IEC 60127-2 sheet 3
22	1	SIEMENS	6ES7212-1AG50-0XB0	SIMATIC S7-1200 G2 CPU 1212C, DC/DC/DC, 8DI/6DO
21	1	BELDEN	29503	VFD cable 3 x 10 AWG + 10 AWG ground + drain, foil and braid shield, 1000 V, TC-ER
20	3	PHOENIX CONTACT	3044131	Feed-through terminal block
19	1	BALDOR	EM3714T	Three-phase motor 10 hp, 1768 rpm, 230/460 V 60 Hz, 215T, TEFC, NEMA Premium
18	1	ABB	ACS880-01-014A-5	ACS880-01 single drive 7.5 kW, 500 V, IP21
17	2	PHOENIX CONTACT	3044157	Ground terminal block
16	3	BUSSMANN	JKS-25	Fuse class J fast acting, current limiting, 25 A, 600 V AC, 200 kA AC interrupting rating
15	1	LITTELFUSE	0215.630MXP	Fuse insert 5 x 20 mm, 0.63 A T, time-lag, ceramic, 250 V AC, 1500 A at 250 VAC
14	17	PHOENIX CONTACT	3046032	Fuse terminal block UT 4-HESI (5X20), 5 x 20 mm fuses, no LED, 500 V, 6.3 A
13	1	HOFFMAN	TEP6ULI12	Exhaust grille TEP6ULI12 with filter for the TFP61ULI12 filter fan, Type 12
12	1	HOFFMAN	TFP61ULI12	Filter fan TFP61ULI12, 115 VAC, 50/60 CFM at 50/60 Hz, Type 12, cutout 182 x 182 mm
11	1	HOFFMAN	ATEMNOC	Enclosure thermostat 0-60 C, NO contact (closes on rising temperature), DIN rail
10	32	PHOENIX CONTACT	3044076	Feed-through terminal block
9	1	SIEMENS	5SJ4106-7HG41	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 6A, D=70MM
8	1	SIEMENS	5SJ4206-7HG41	CIRCUIT BREAKER 240V 14KA, 2-POLE, C, 6A, D=70MM
7	2	CLARION	H6010-61WH	Safety label WARNING Hazardous voltage: multiple power sources may be present
6	2	ABB	1SCA022042R6370	Shaft OXP6X290 for pistol handles, 6 x 6 mm, 290 mm, can be cut to length
5	2	ABB	1SCA022380R9660	Door-mounted pistol handle OHB65J6, black, 65 mm, 6 mm shaft, Type 12, padlockable
4	1	ABB	1SCA022500R4220	Solid link carrier OESAZD55 for OS30 (switched neutral, no overcurrent device)
3	1	BUSSMANN	LPJ-10SP	Low-Peak class J time-delay fuse, 10 A, 600 VAC / 300 VDC, 300 kA AC
2	2	ABB	1SCA108824R1001	Fusible switch-disconnector OS30FAJ12, 3-pole, 30 A, 600 V, class J clips, UL 98
1	1	SIEMENS	6EP3333-3SB00-0AX0	SITOP PSU4200 1ph 24 V/5 A
ITEM	QTY	MANUFACTURER	ORDER NUMBER	DESCRIPTION

DESIGN BASIS
STANDARD NFPA 79
SUPPLY 480 VAC 3PH / 120 VAC
CONTROL 24 VDC

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CUSTOMER SYNTHETIC PILOT	TITLE Tank pilot ELEC		TITLE PAGE
PROJECT NO. ORACLE-TP	WORK ORDER	VARIANT OF	
DOC TYPE SCHEMATIC DIAGRAM	PAGE &SCH+CP1=TANK/1	SHEET 1	OF 10
STATUS PRELIMINARY	DESIGN ORACLE	CHECKED	APPROVED
MODEL REV 7A910D185C6B	DATE 27OCT26	SCALE 1 : 1	ORACLE-TP REV

AutoCAD Electrical

ORACLE TANK

TANK PILOT

SCHEMATIC DIAGRAM

CUSTOMER	SYNTHETIC PILOT
PROJECT NO.	ORACLE-TP
DRAWING NO.	ORACLE-TP
STATUS	PRELIMINARY
DATE	27OCT26
DRAWN	ORACLE
MODEL REV	69AE4CA3
DESIGN BASIS	
STANDARD	NFPA 79
SUPPLY	480 VAC 3PH / 120 VAC
CONTROL	24 VDC

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ITEM	QTY	MANUFACTURER	ORDER NUMBER	DESCRIPTION

DESIGN BASIS
STANDARD NFPA 79
SUPPLY 480 VAC 3PH / 120 VAC
CONTROL 24 VDC

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CUSTOMER SYNTHETIC PILOT	TITLE TANK PILOT ELEC		TITLE PAGE
PROJECT NO. ORACLE-TP	WORK ORDER	VARIANT OF	
DOC TYPE SCHEMATIC DIAGRAM	PAGE &SCH/1	SHEET 1	OF 10
STATUS PRELIMINARY	DRAWN ORACLE	CHECKED	APPROVED
MODEL REV 69AE4CA3	DATE 27OCT26	SCALE NONE	ORACLE-TP REV

Oracle native

ORACLE TANK

TANK PILOT

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STANDARD NFPA 79
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CONTROL 24 VDC

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MODEL REV 7a910d185c6b	DATE 27OCT26	SCALE NONE	ORACLE-TP REV

Schematic - title page

One Oracle model revision.

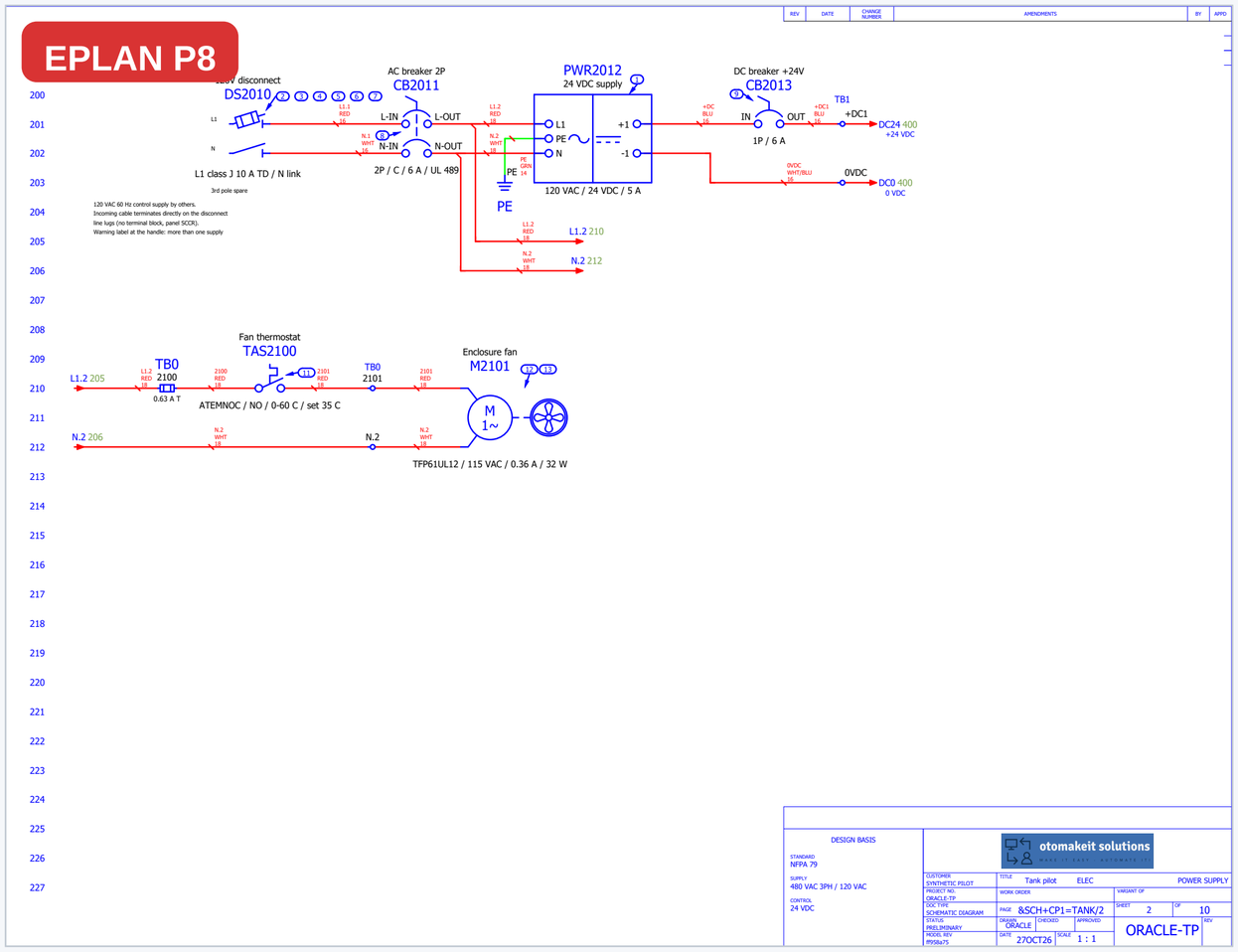
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

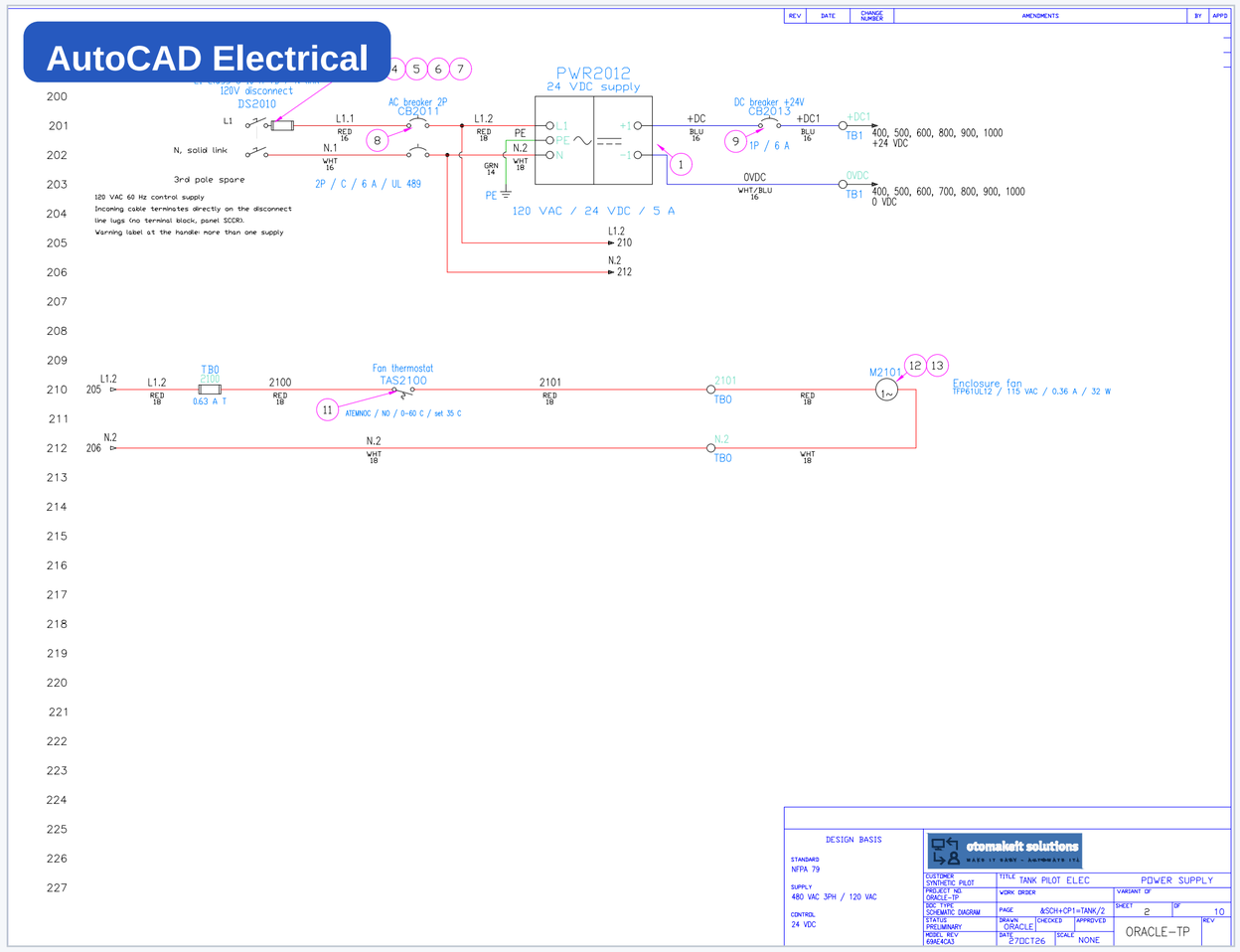
Page 2: Power supply

Same page of the Oracle Tank pilot from each connector

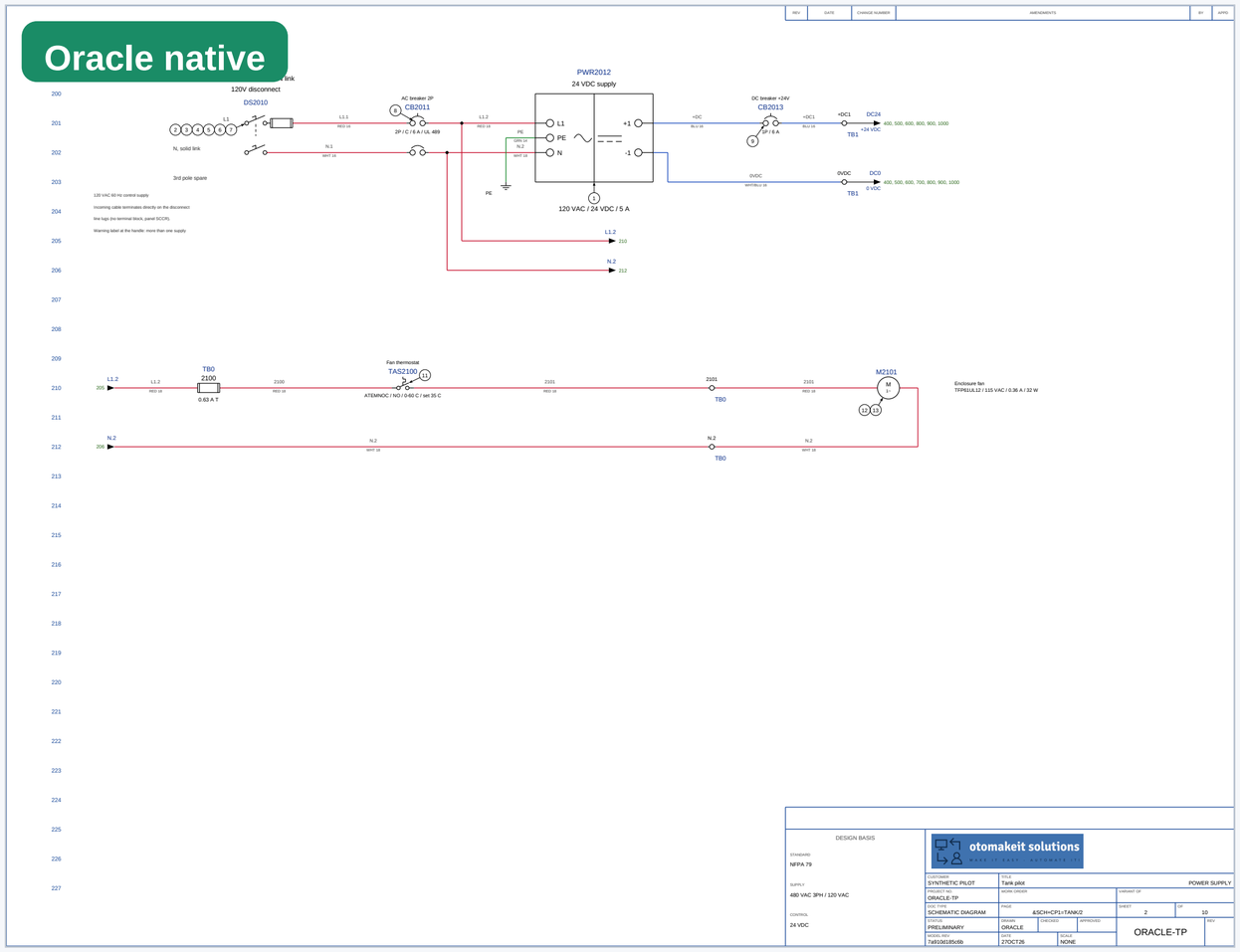
EPLAN P8



AutoCAD Electrical



Oracle native



Power supply

One Oracle model revision.

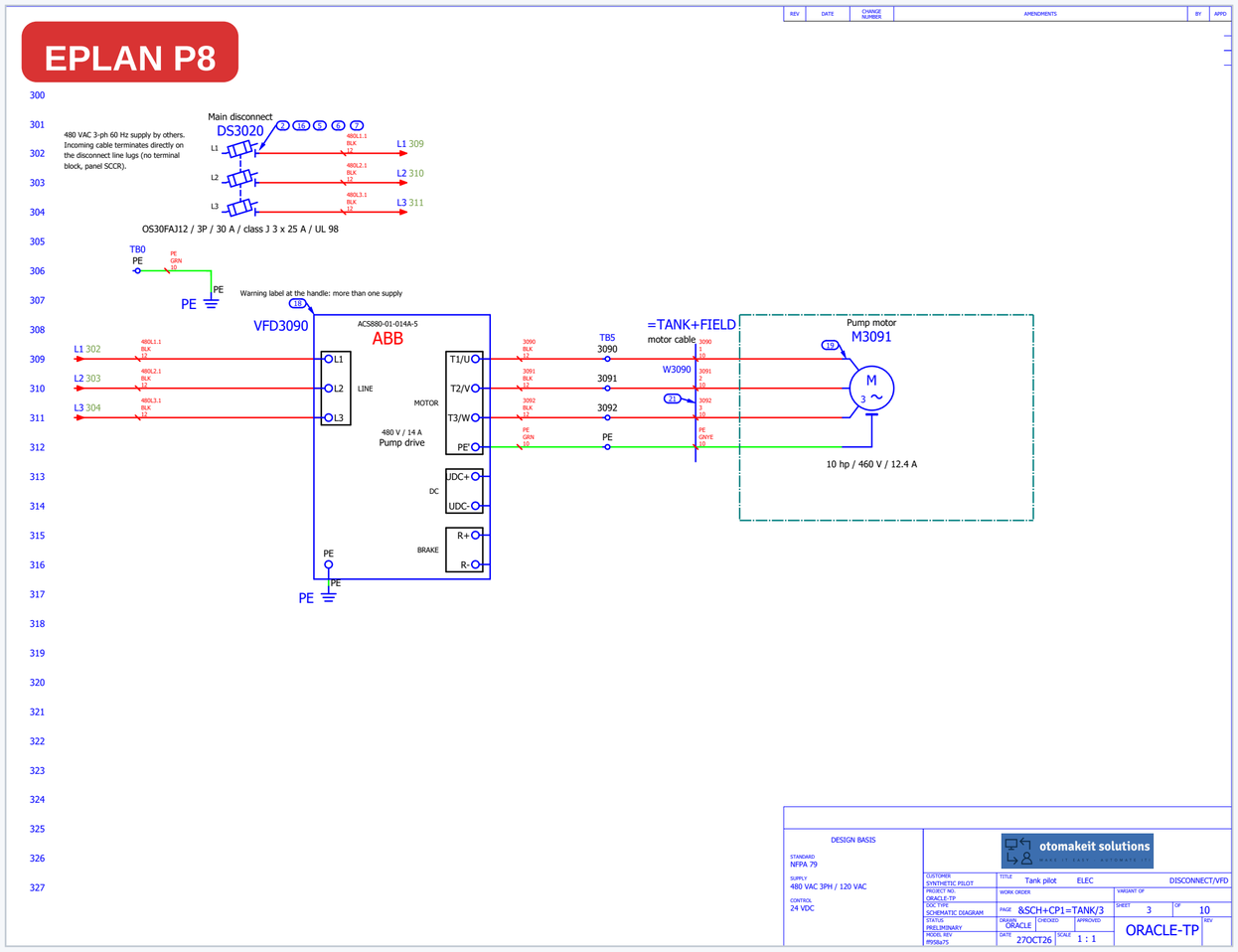
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

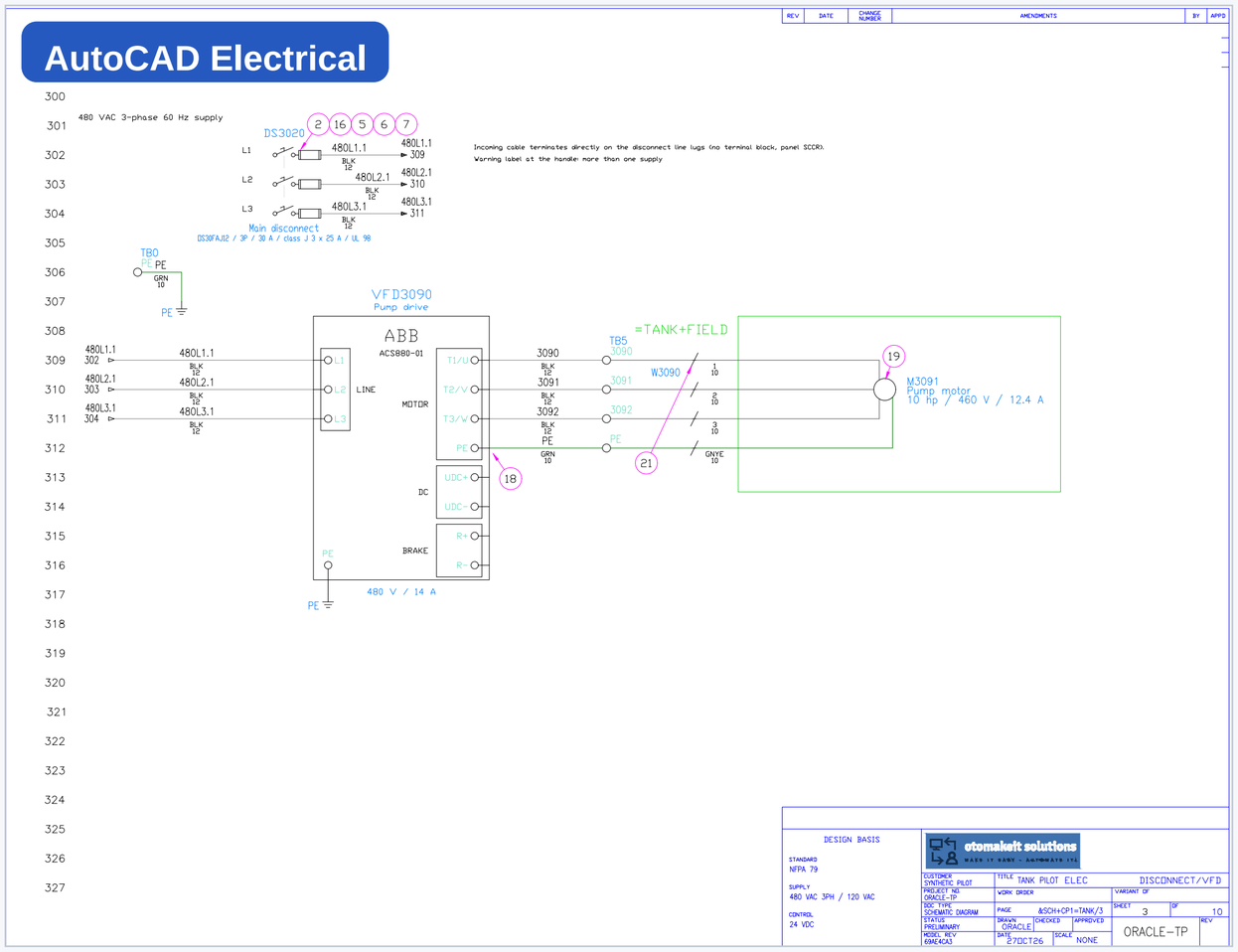
Page 3: Disconnect / VFD

Same page of the Oracle Tank pilot from each connector

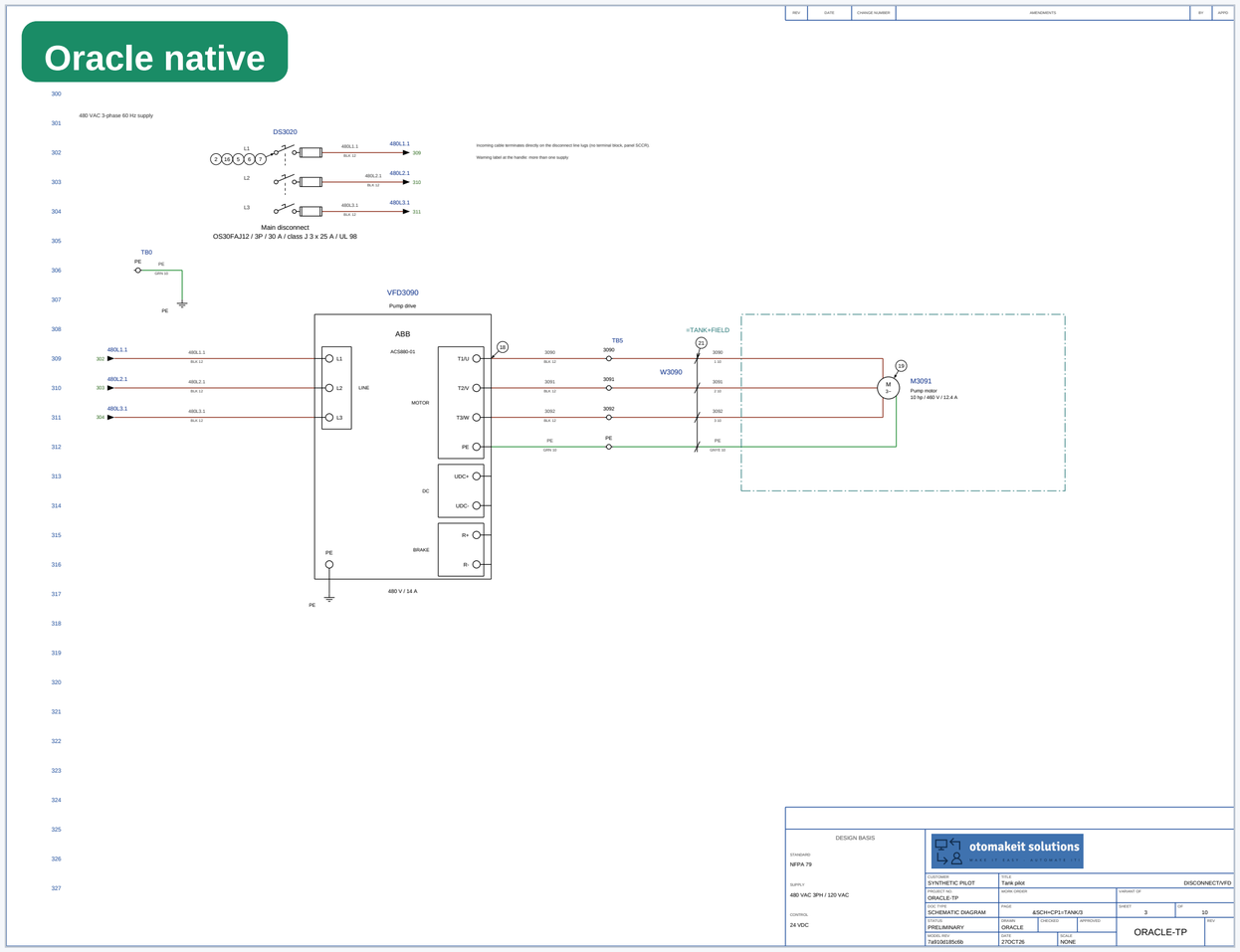
EPLAN P8



AutoCAD Electrical



Oracle native



Disconnect / VFD

One Oracle model revision.

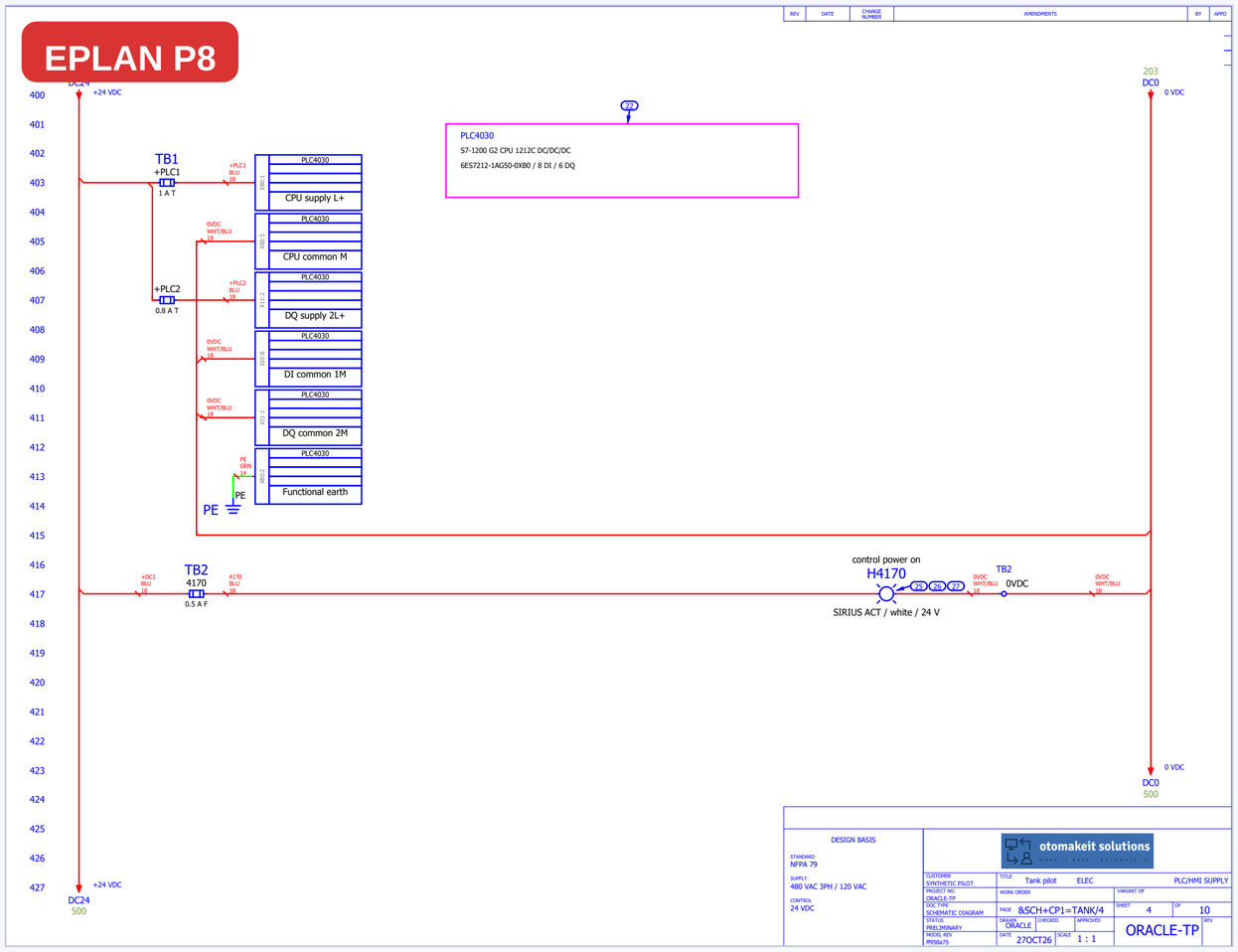
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

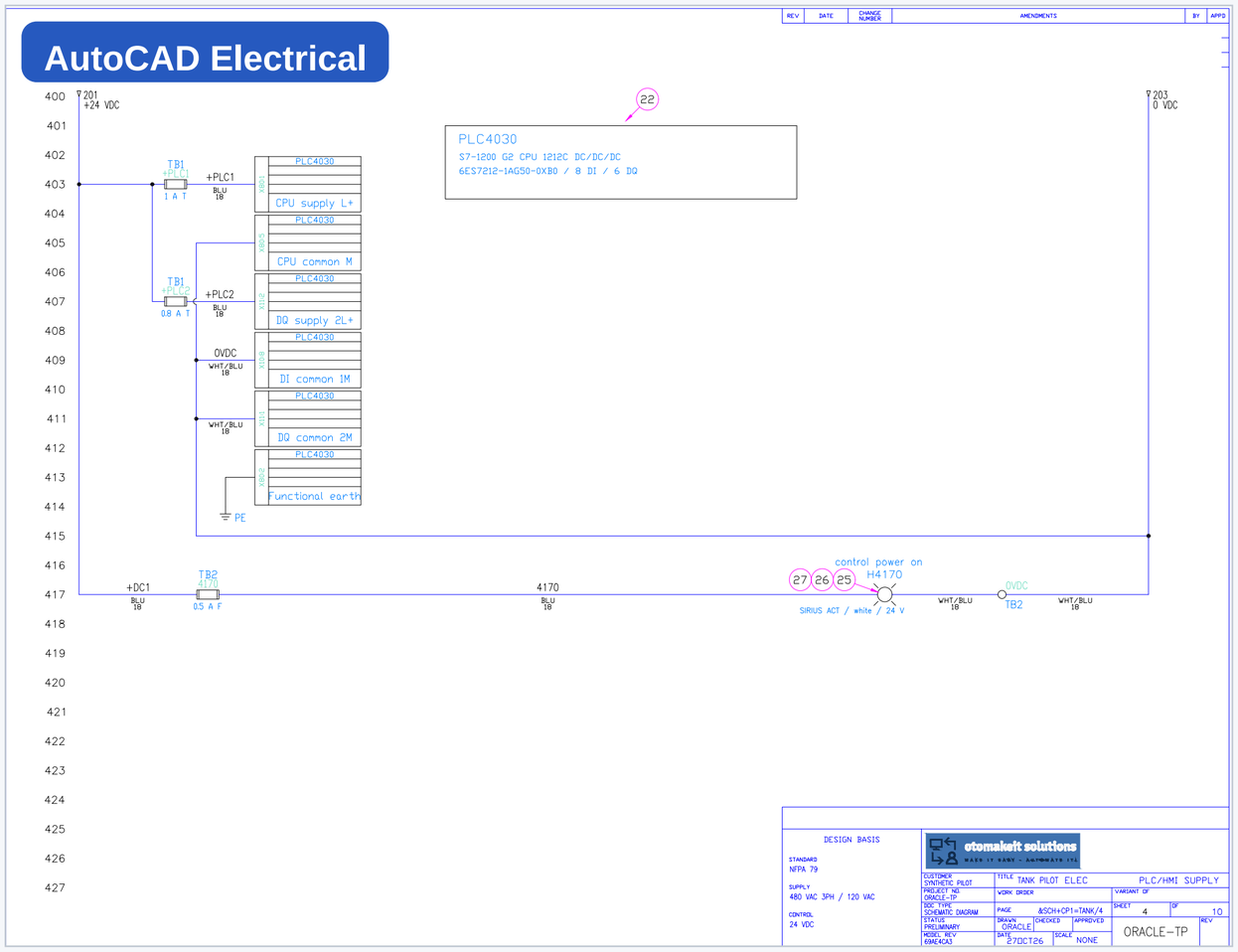
Page 4: PLC / HMI supply (1)

Same page of the Oracle Tank pilot from each connector

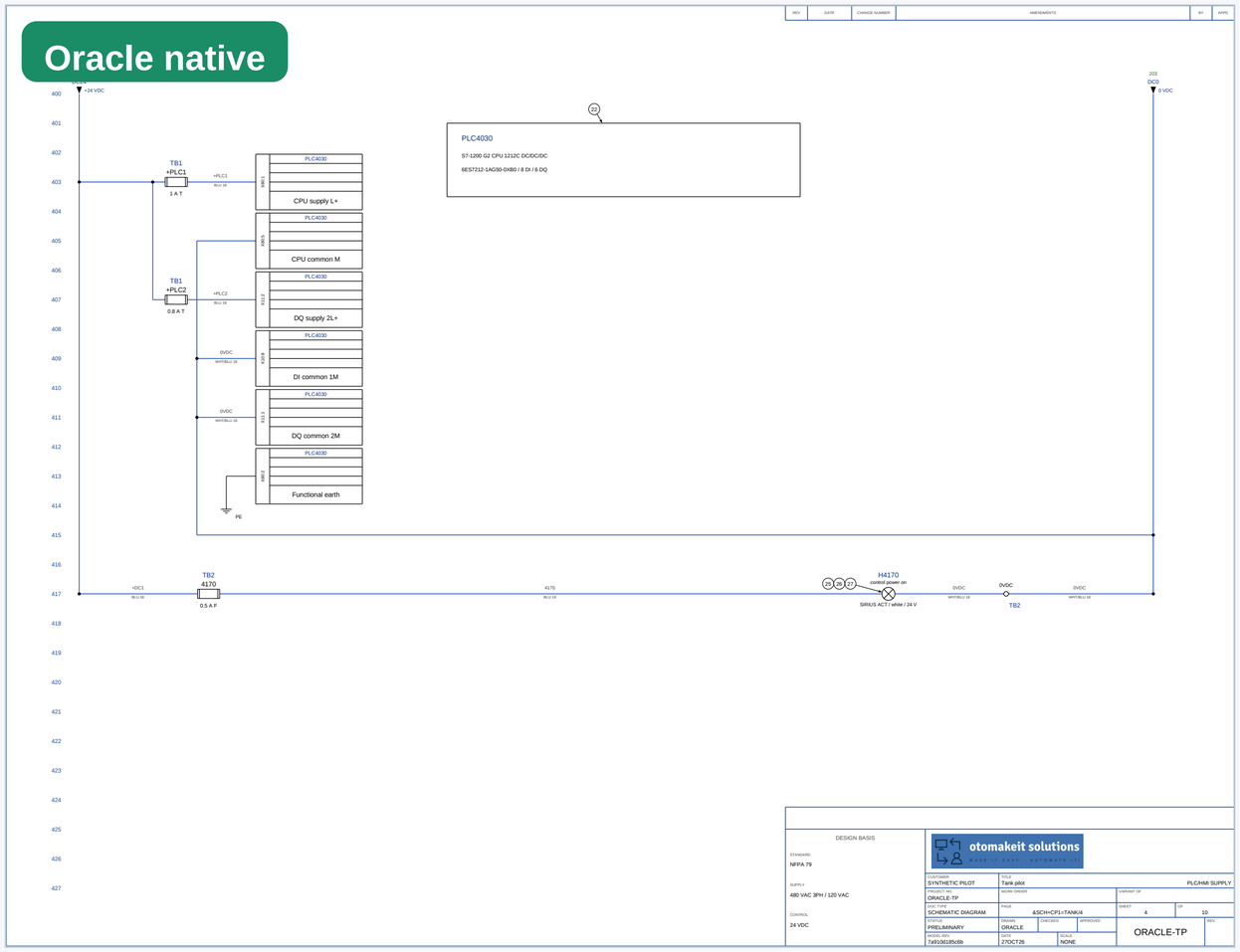
EPLAN P8



AutoCAD Electrical



Oracle native



PLC / HMI supply (1)

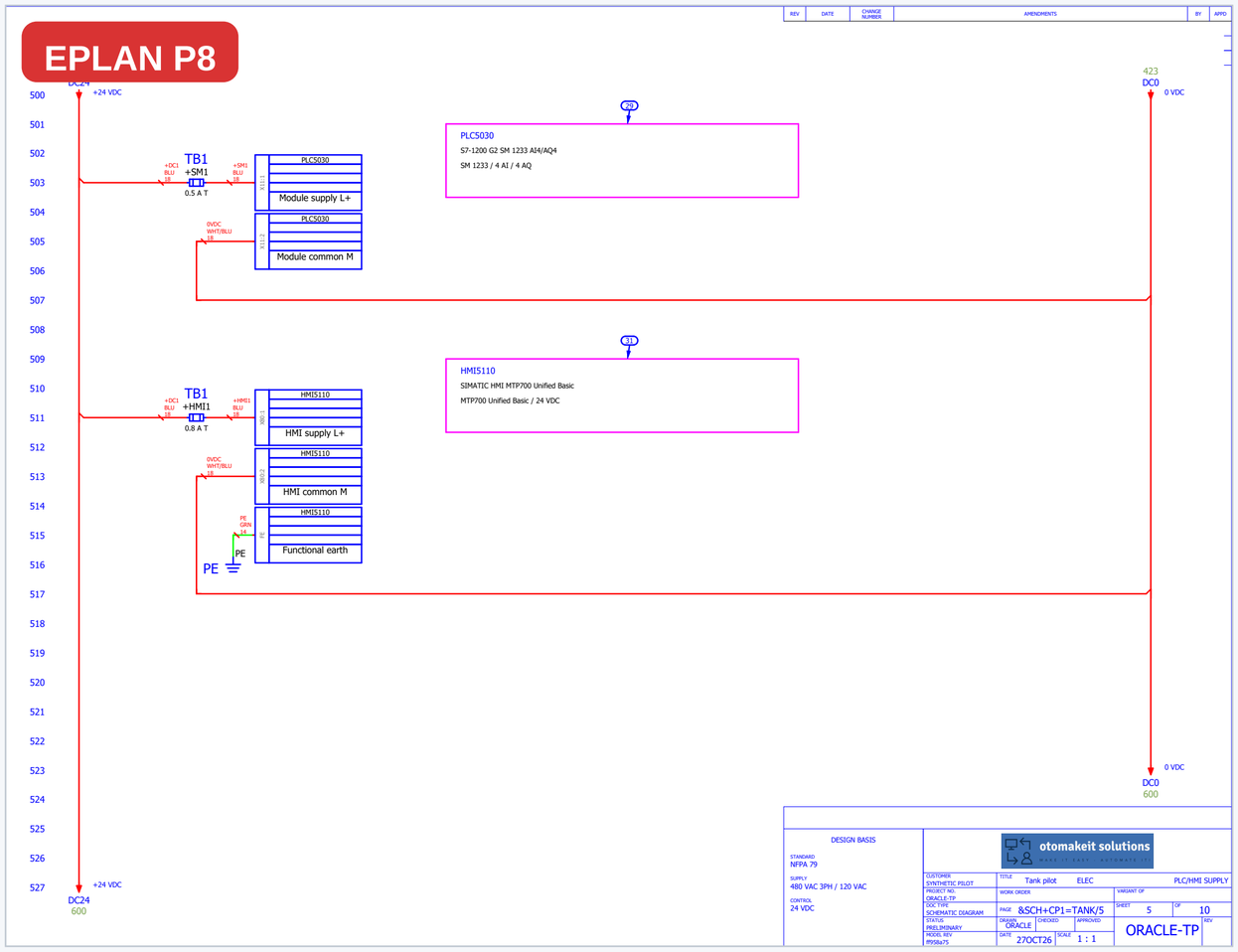
One Oracle model revision.

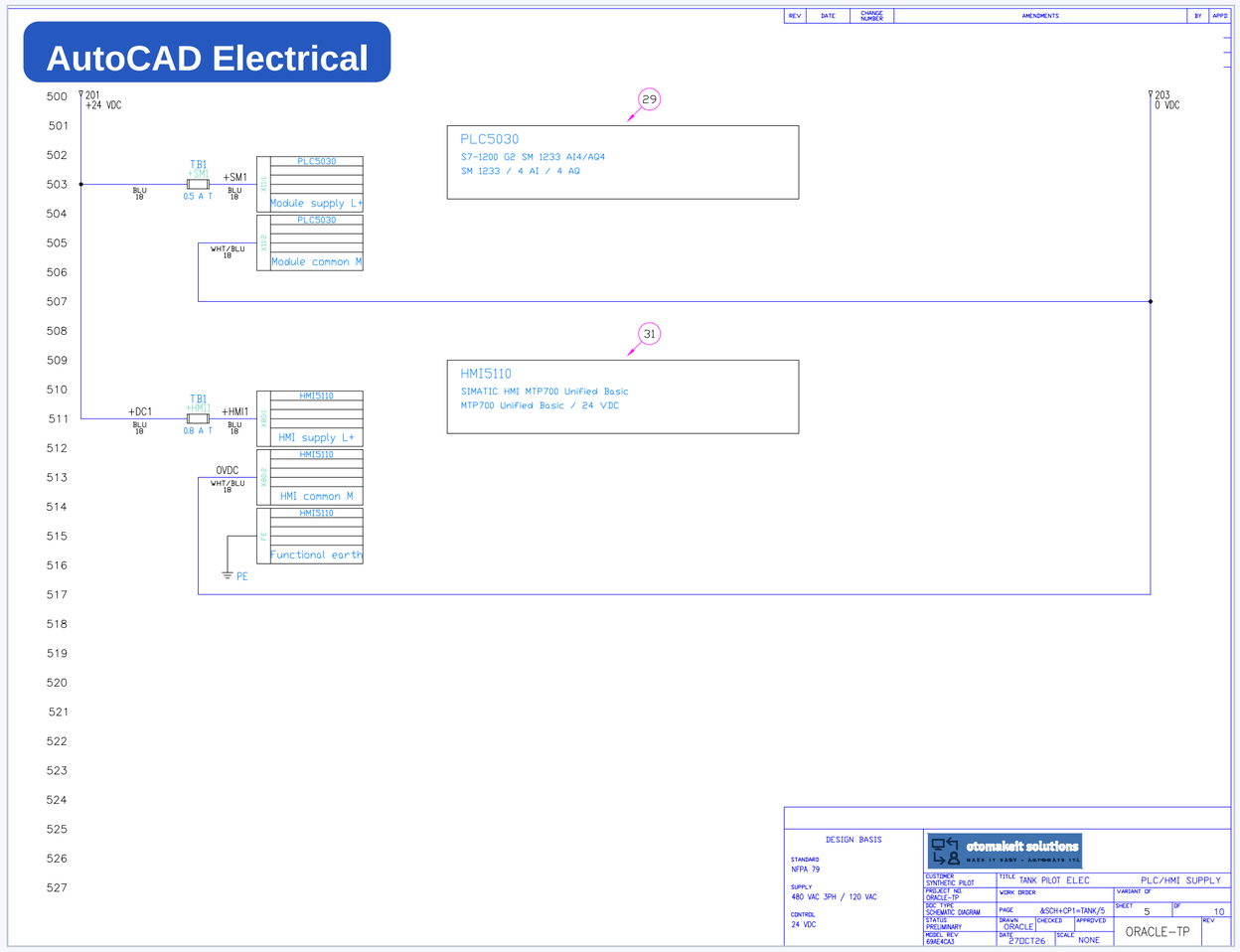
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

Page 5: PLC / HMI supply (2)

Same page of the Oracle Tank pilot from each connector





PLC / HMI supply (2)

One Oracle model revision.

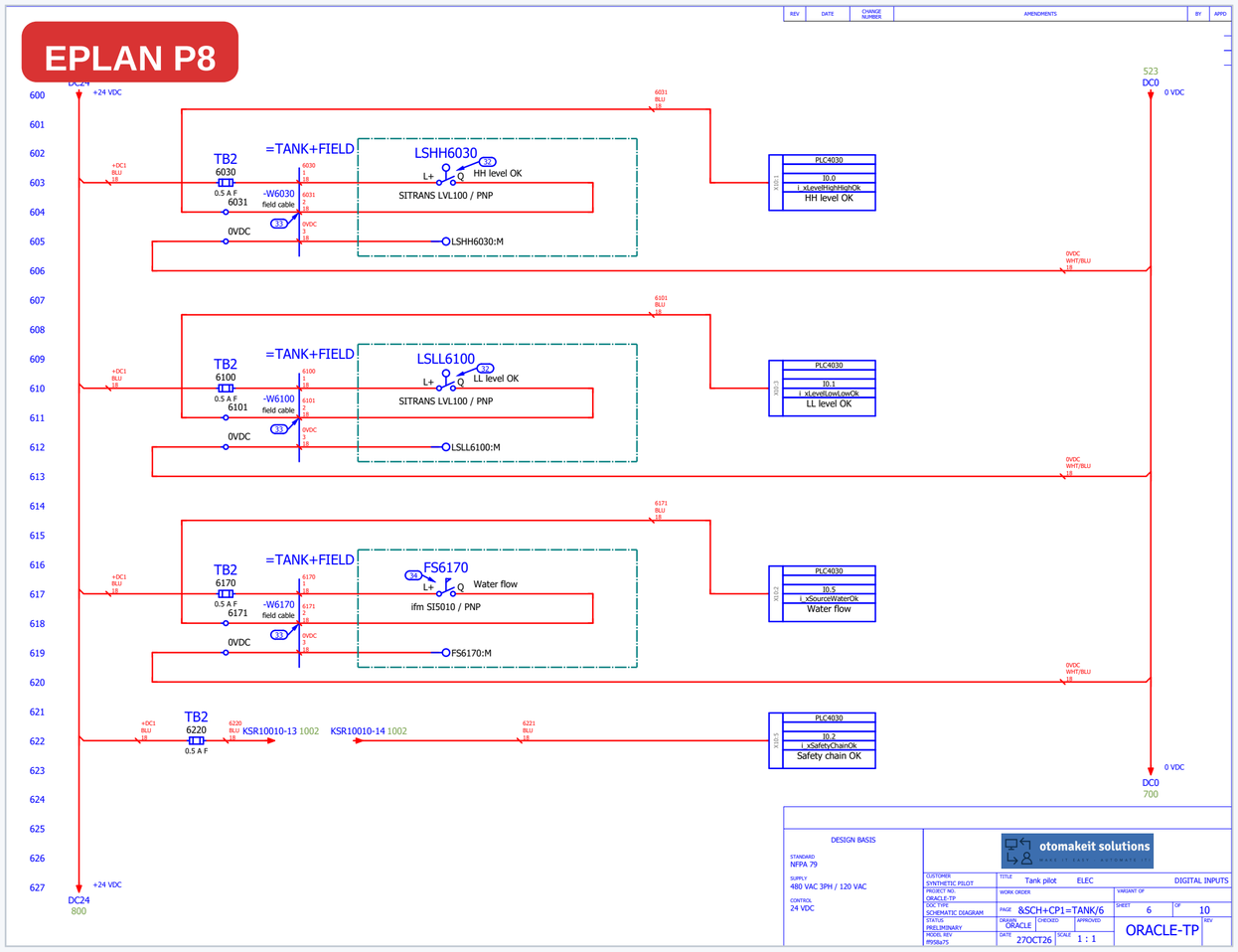
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

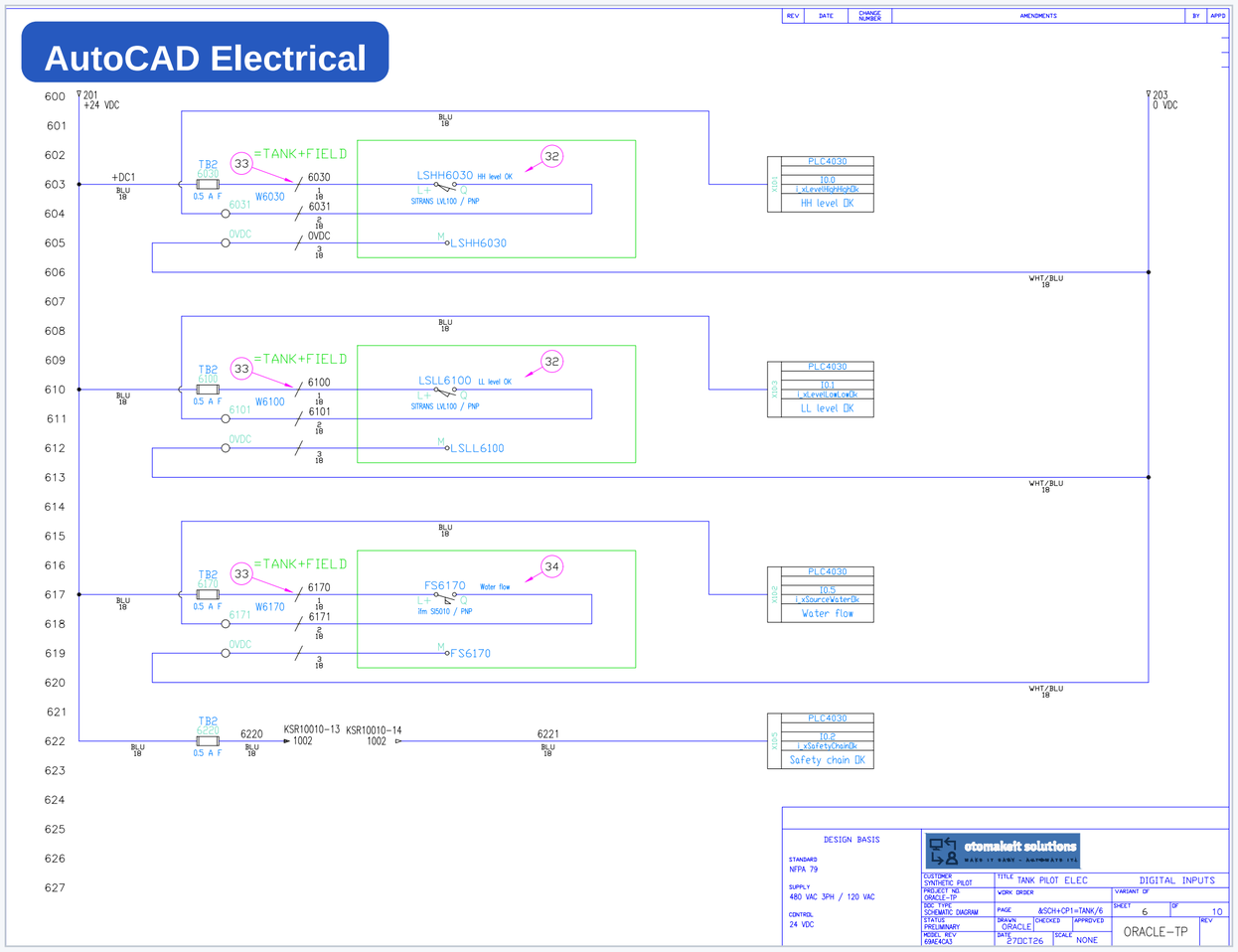
Page 6: Digital inputs

Same page of the Oracle Tank pilot from each connector

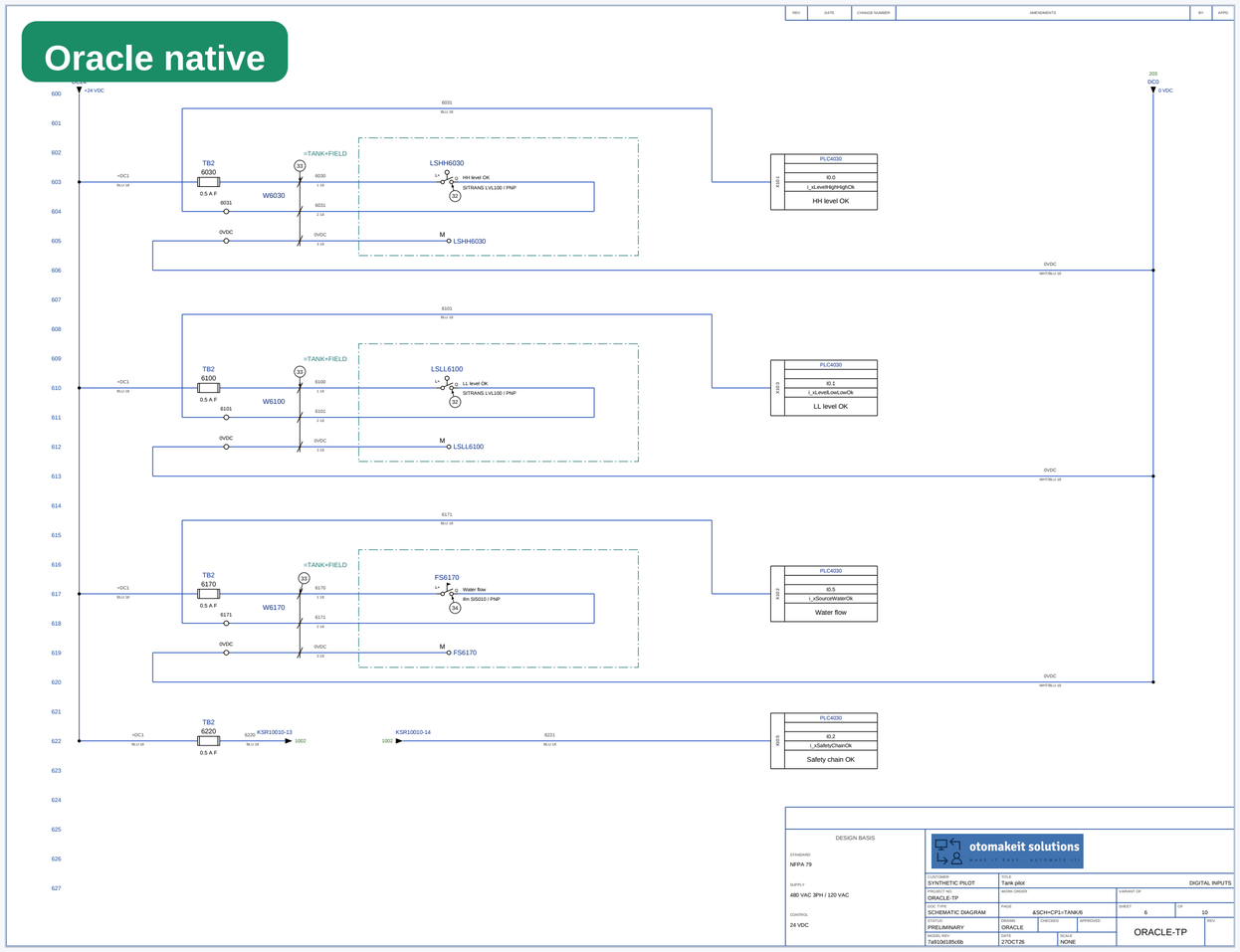
EPLAN P8



AutoCAD Electrical



Oracle native



Digital inputs

One Oracle model revision.

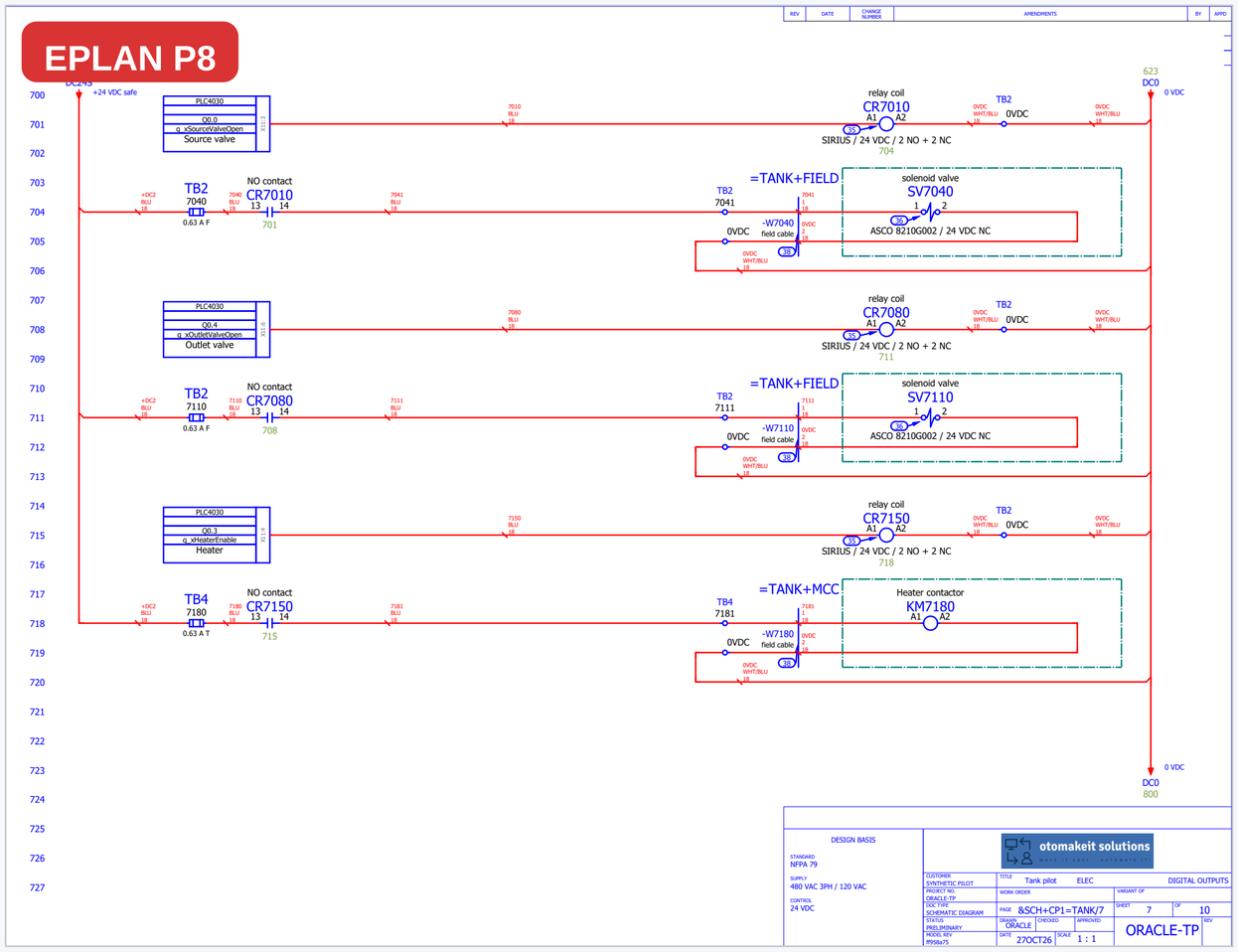
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

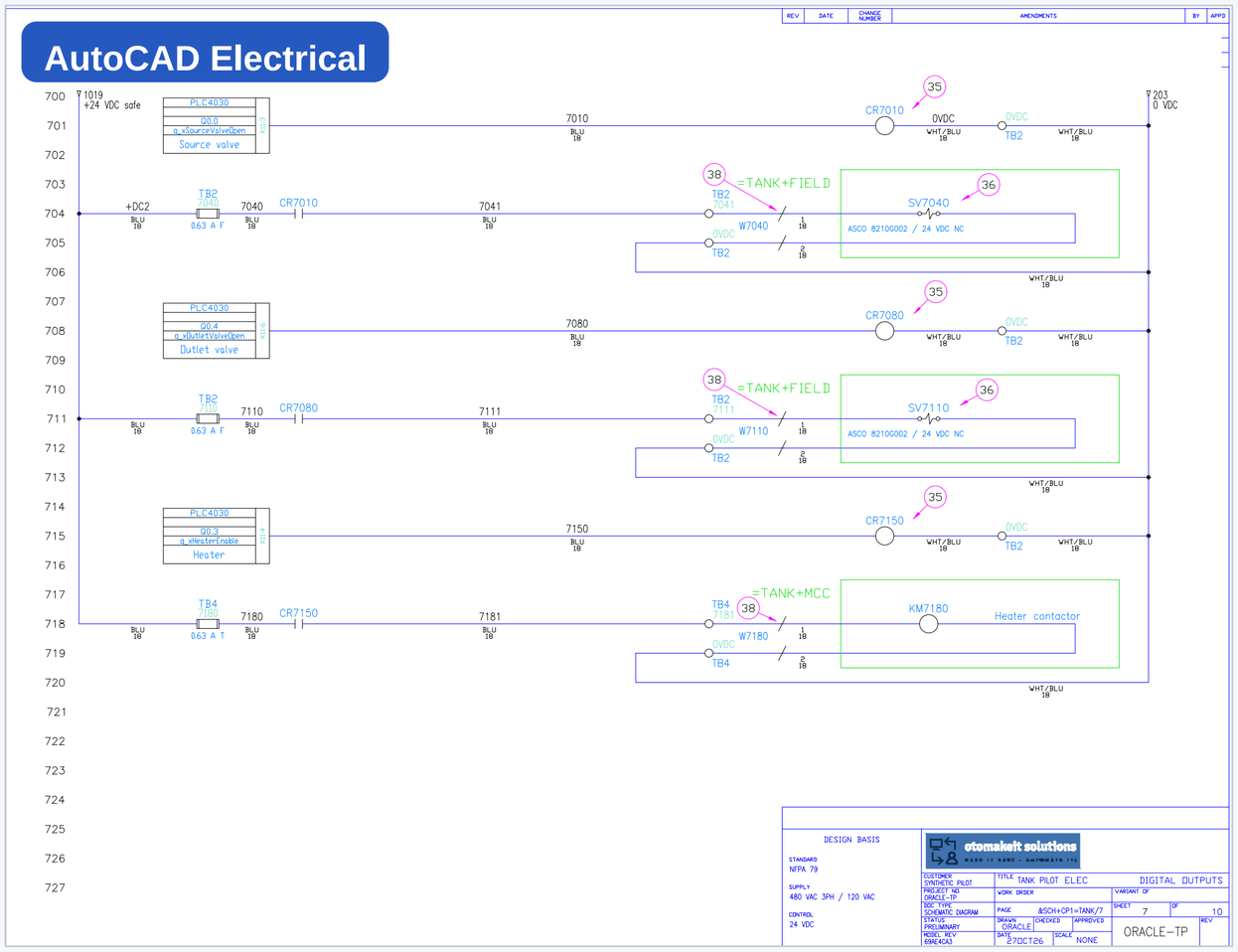
Page 7: Digital outputs

Same page of the Oracle Tank pilot from each connector

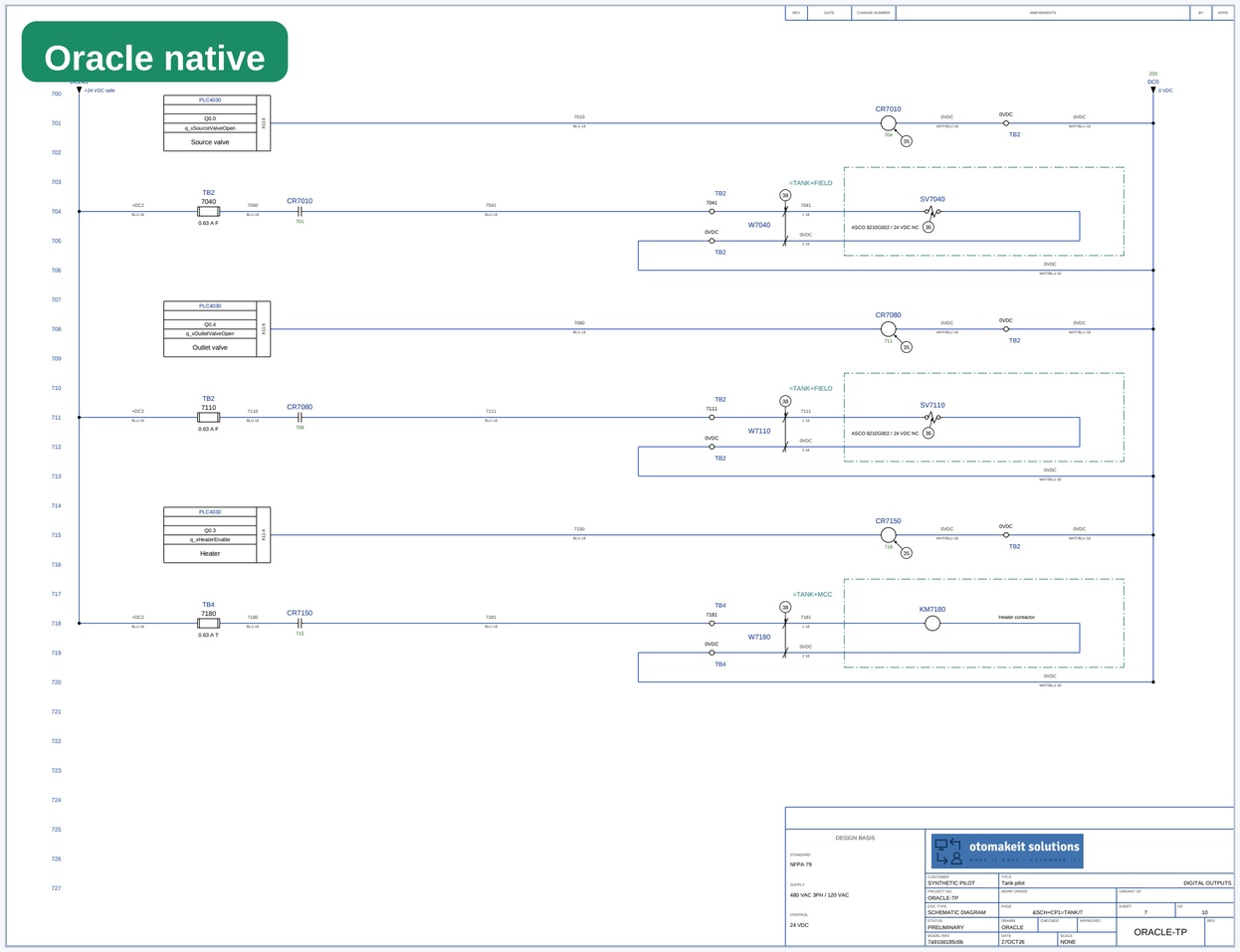
EPLAN P8



AutoCAD Electrical



Oracle native



Digital outputs

One Oracle model revision.

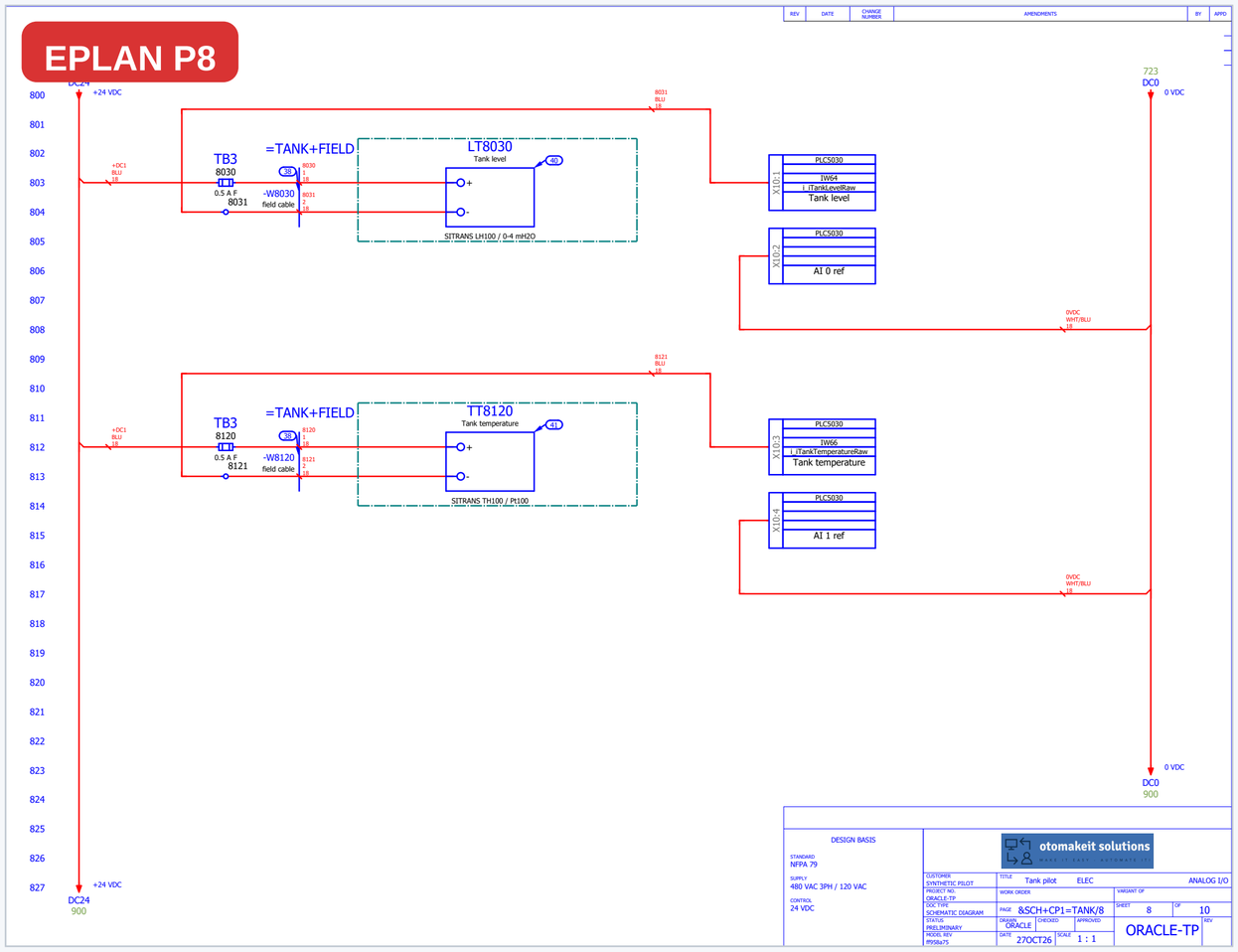
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

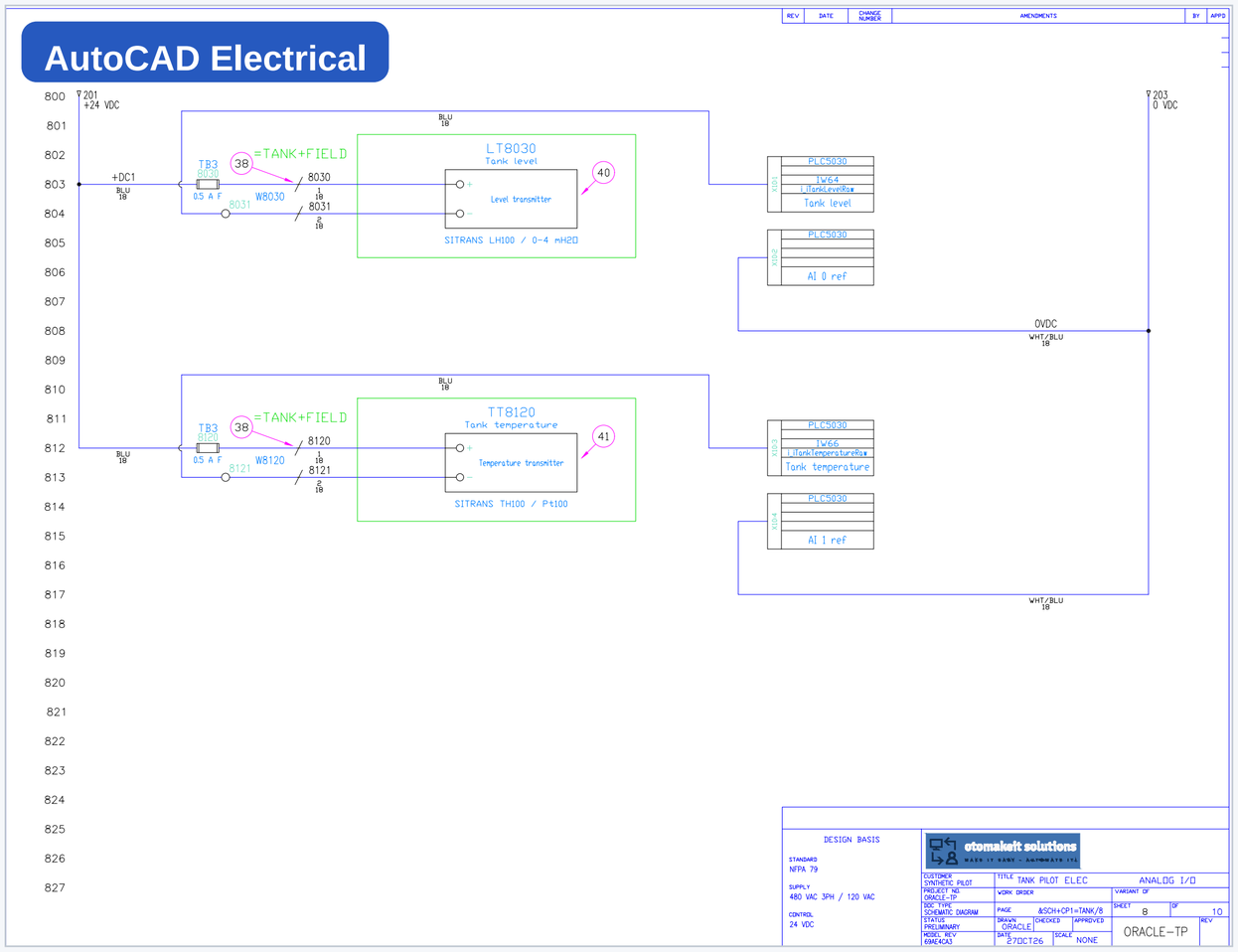
Page 8: Analog I/O

Same page of the Oracle Tank pilot from each connector

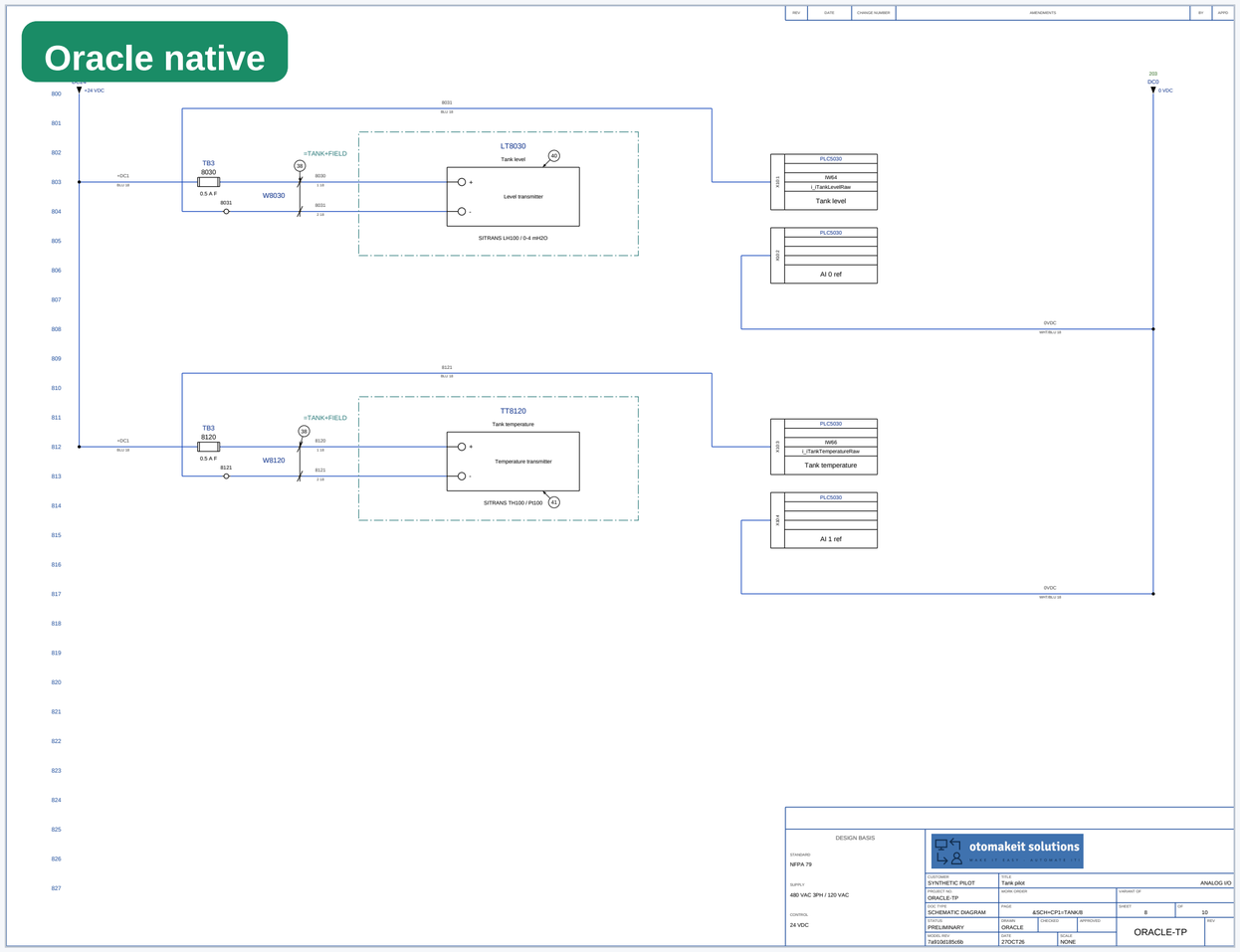
EPLAN P8



AutoCAD Electrical



Oracle native



Analog I/O

One Oracle model revision.

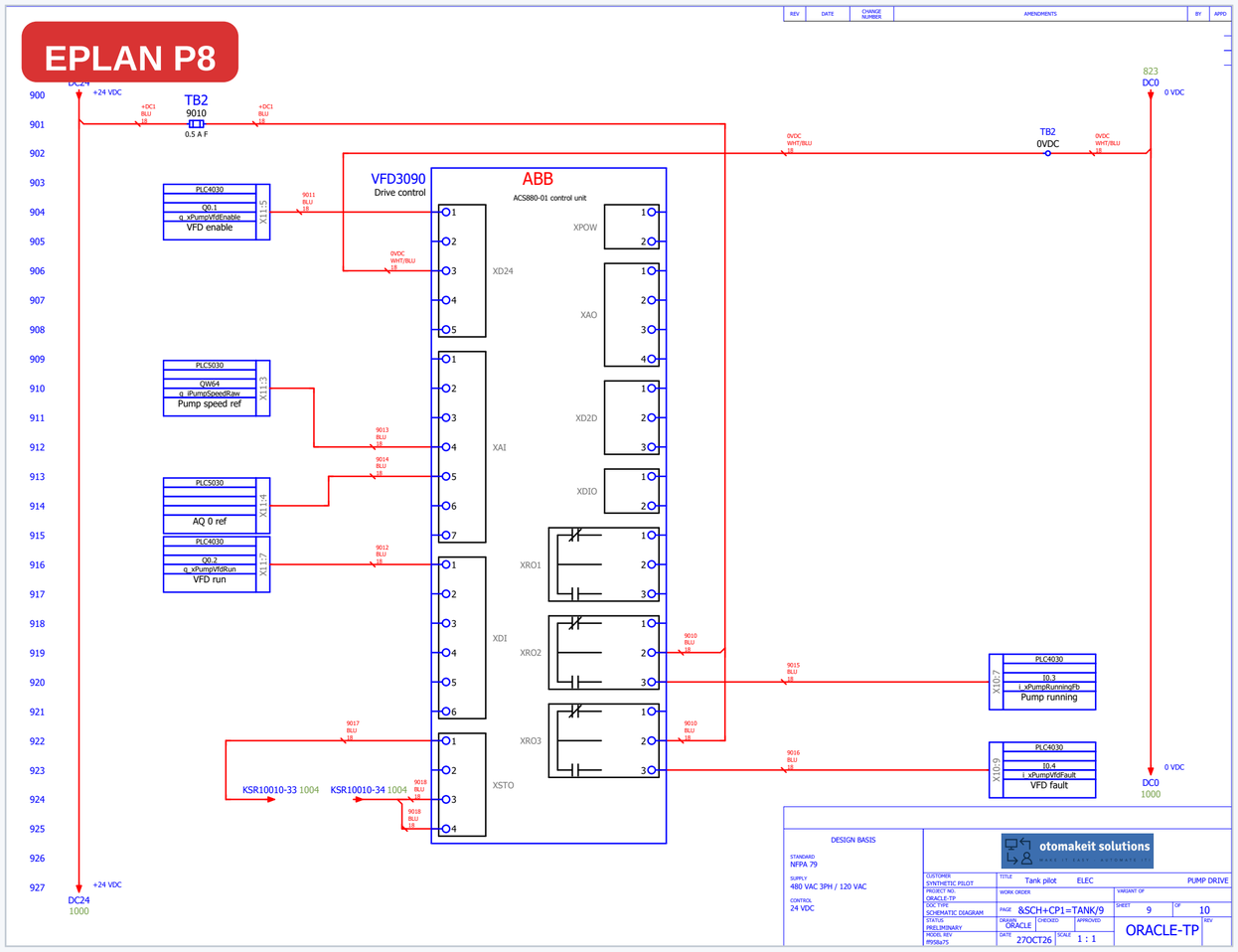
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

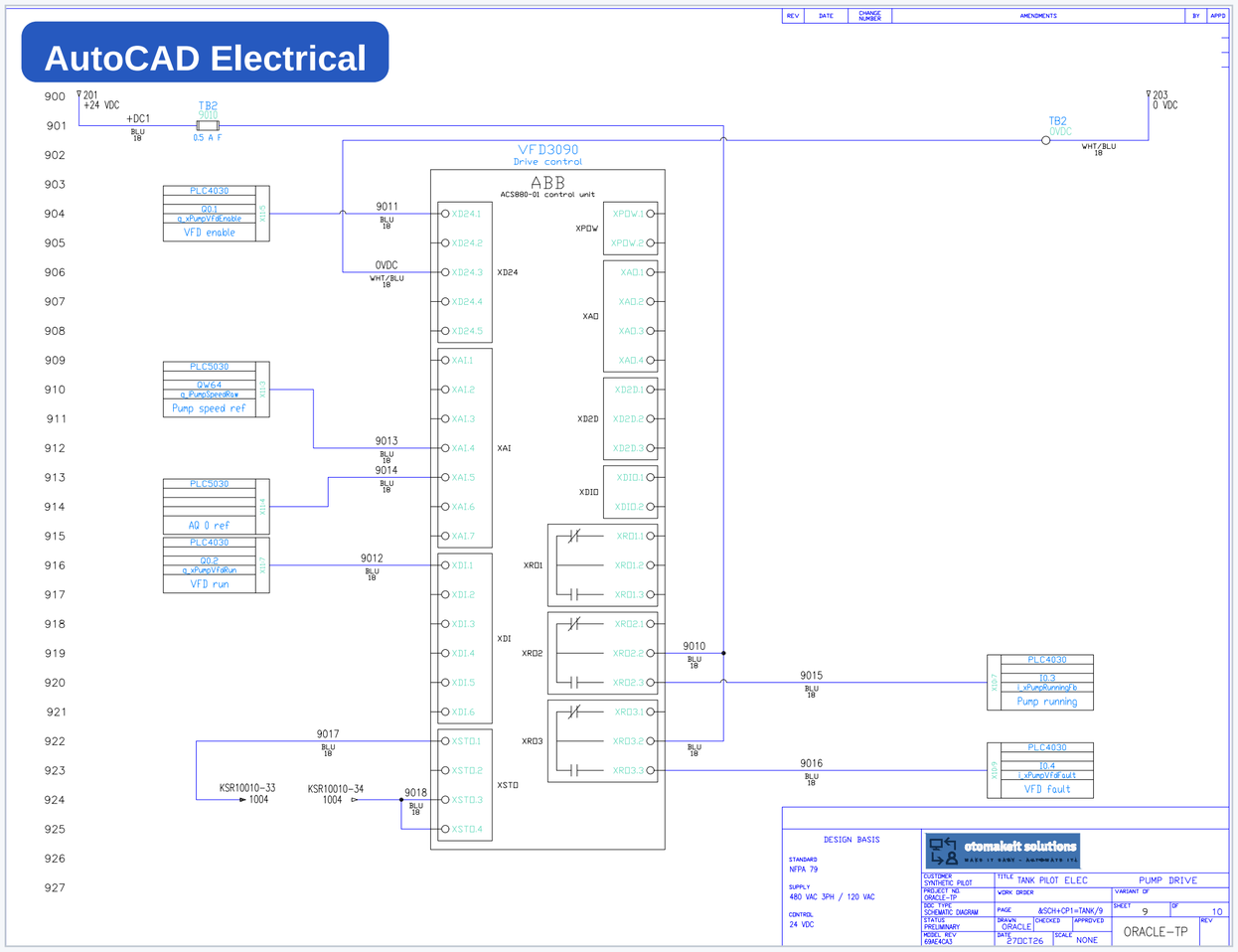
Page 9: Pump drive

Same page of the Oracle Tank pilot from each connector

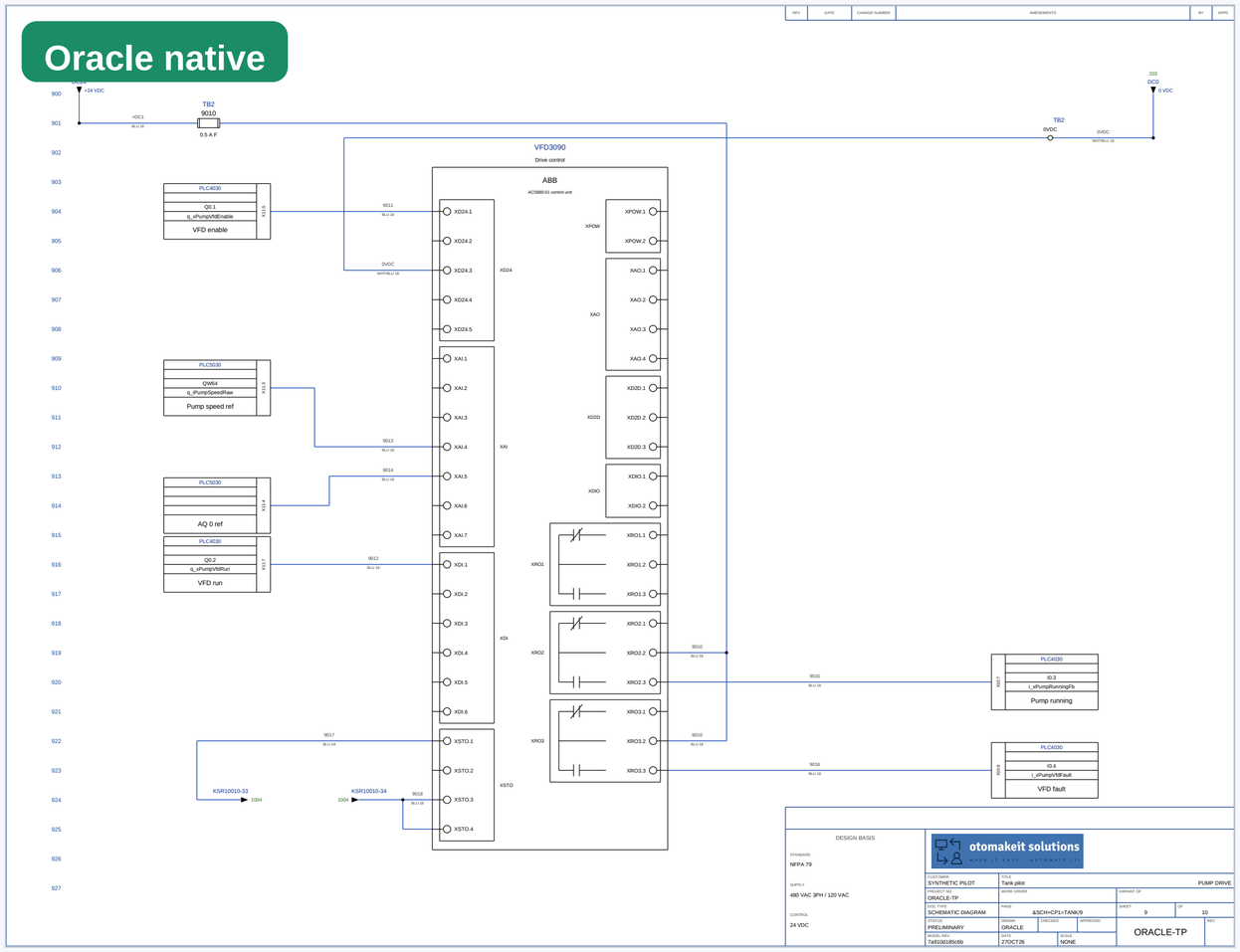
EPLAN P8



AutoCAD Electrical



Oracle native



Pump drive

One Oracle model revision.

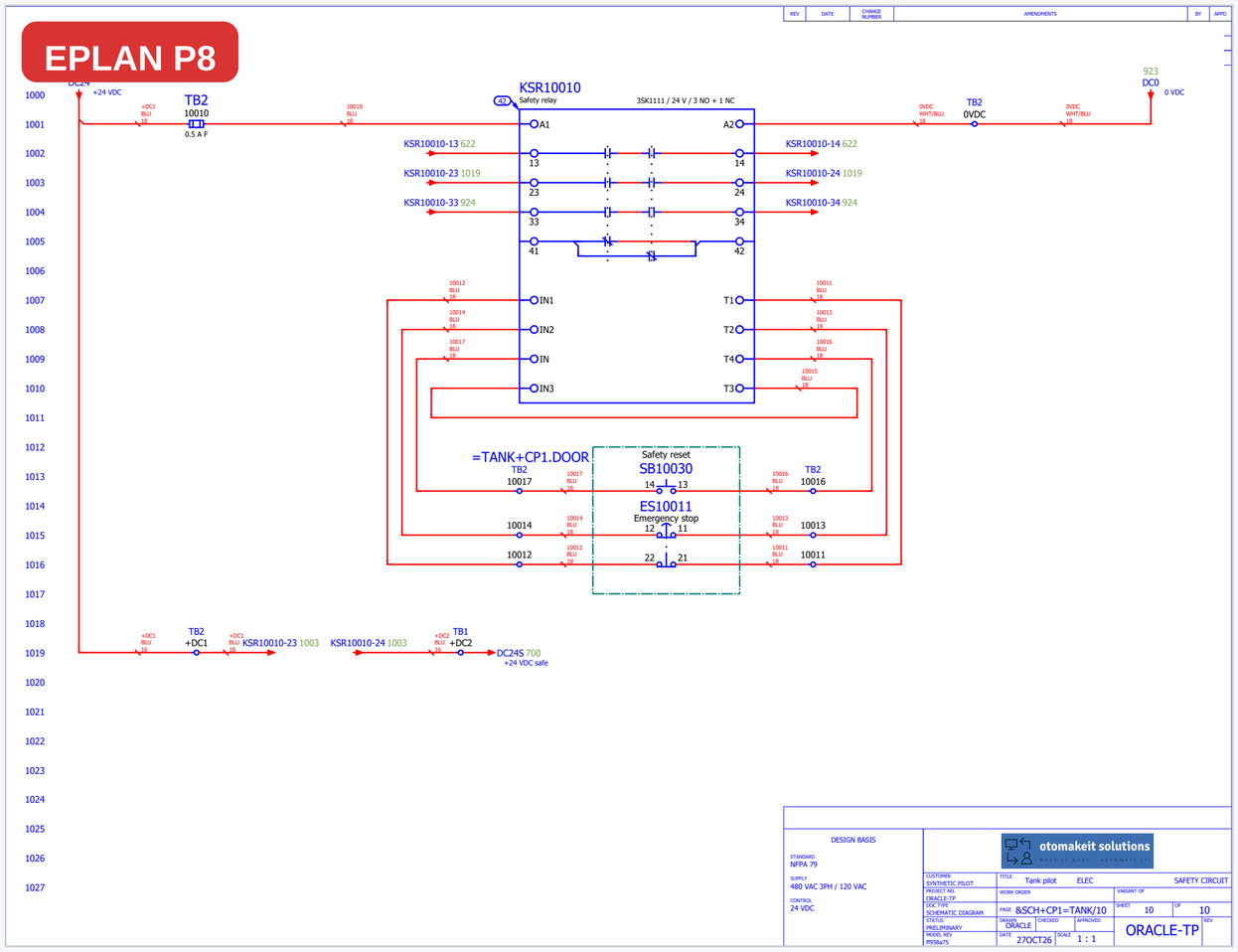
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

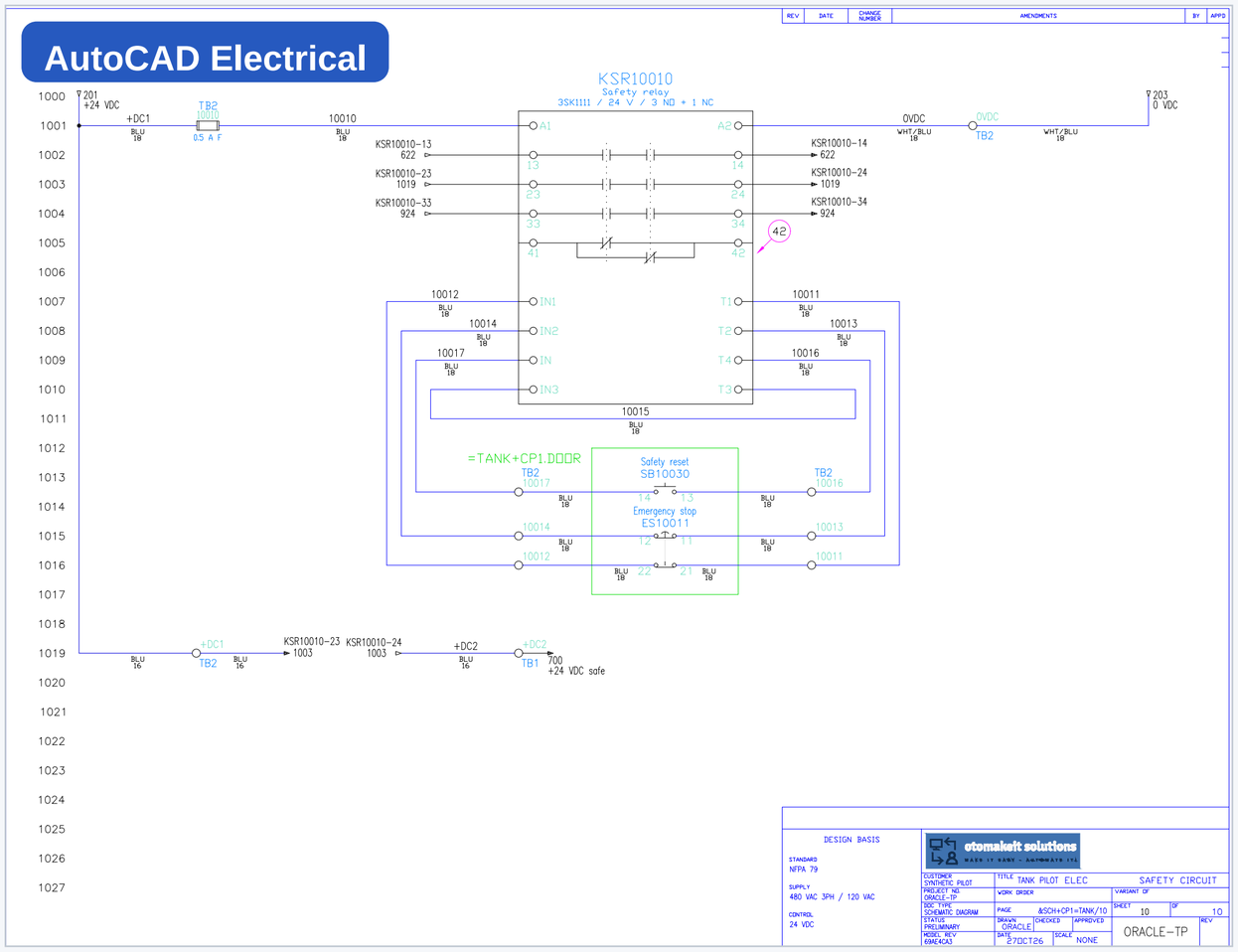
Page 10: Safety circuit

Same page of the Oracle Tank pilot from each connector

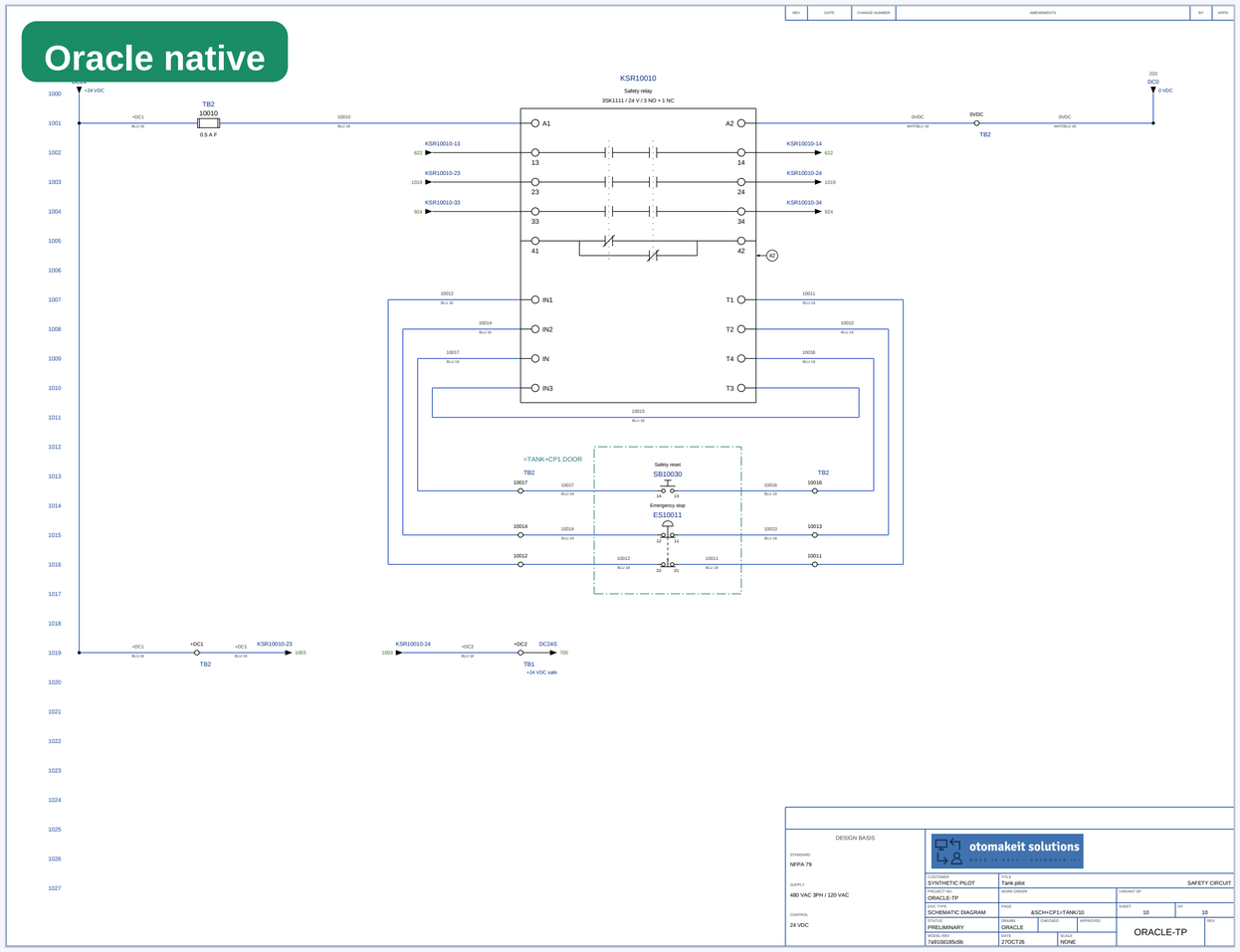
EPLAN P8



AutoCAD Electrical



Oracle native



Safety circuit

One Oracle model revision.

EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

Page 11: Panel layout - title page

Same page of the Oracle Tank pilot from each connector

EPLAN P8

ORACLE TANK

TANK PILOT

PANEL LAYOUT

CUSTOMER	SYNTHETIC PILOT
PROJECT NO.	ORACLE-TP
DRAWING NO.	ORACLE-TP
STATUS	PRELIMINARY
DATE	27OCT26
DRAWN	ORACLE
MODEL REV	FF958A75

DESIGN BASIS

STANDARD	NFPA 79
SUPPLY	480 VAC 3PH / 120 VAC
CONTROL	24 VDC

CONTENTS

PAGE	TITLE
1	TITLE PAGE
2	PANEL LAYOUT
3	DOOR LAYOUT
4	SIDE WALLS

AutoCAD Electrical

ORACLE TANK

TANK PILOT

PANEL LAYOUT

CUSTOMER	SYNTHETIC PILOT
PROJECT NO.	ORACLE-TP
DRAWING NO.	ORACLE-TP
STATUS	PRELIMINARY
DATE	27OCT26
DRAWN	ORACLE
MODEL REV	69AE4CA3

DESIGN BASIS

STANDARD	NFPA 79
SUPPLY	480 VAC 3PH / 120 VAC
CONTROL	24 VDC

CONTENTS

PAGE	TITLE
1	TITLE PAGE
2	PANEL LAYOUT
3	DOOR LAYOUT
4	SIDE WALLS

Oracle native

ORACLE TANK

TANK PILOT

PANEL LAYOUT

CUSTOMER	SYNTHETIC PILOT
PROJECT NO.	ORACLE-TP
DRAWING NO.	ORACLE-TP
STATUS	PRELIMINARY
DATE	27OCT26
DRAWN	ORACLE
MODEL REV	7A910D185C6B

DESIGN BASIS

STANDARD	NFPA 79
SUPPLY	480 VAC 3PH / 120 VAC
CONTROL	24 VDC

CONTENTS

PAGE	TITLE
1	TITLE PAGE
2	PANEL LAYOUT
3	DOOR LAYOUT
4	SIDE WALLS

Panel layout - title page

One Oracle model revision.

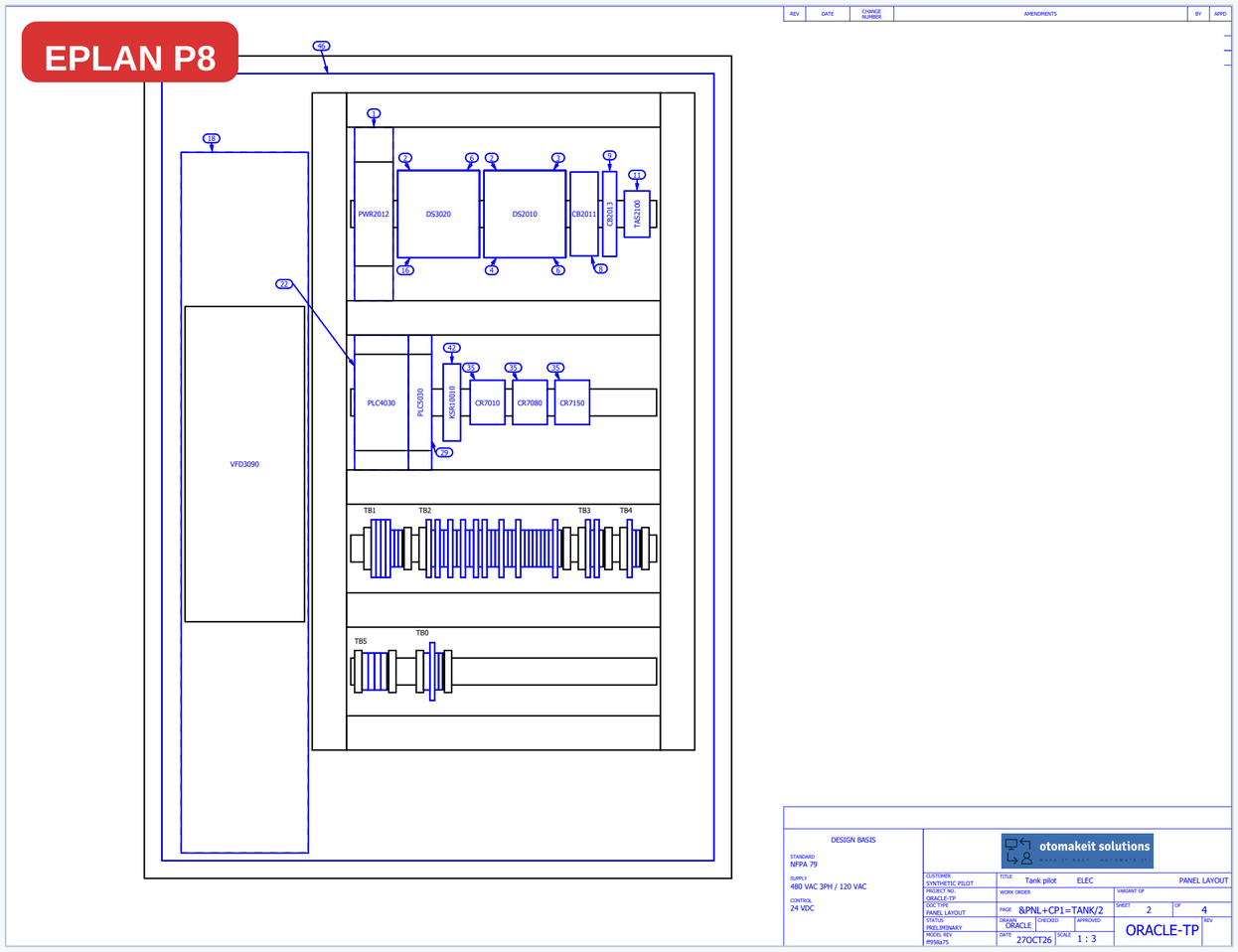
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

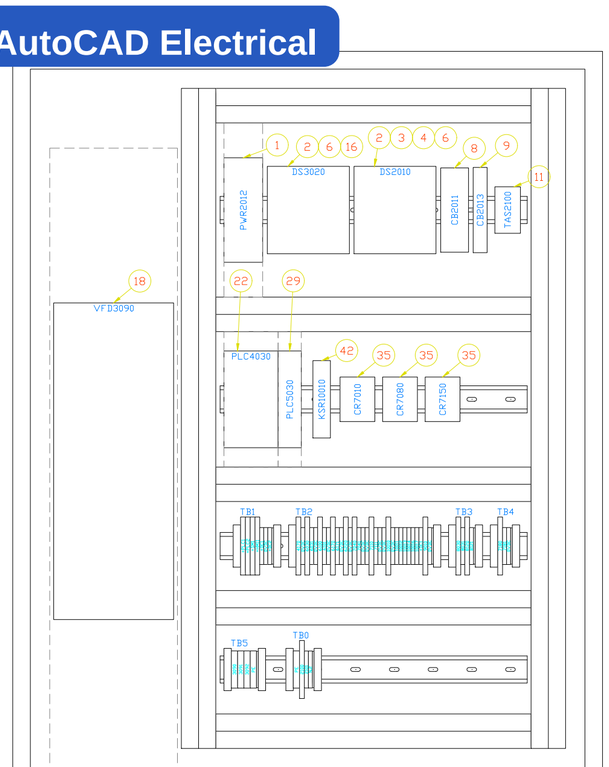
Page 12: Panel layout

Same page of the Oracle Tank pilot from each connector

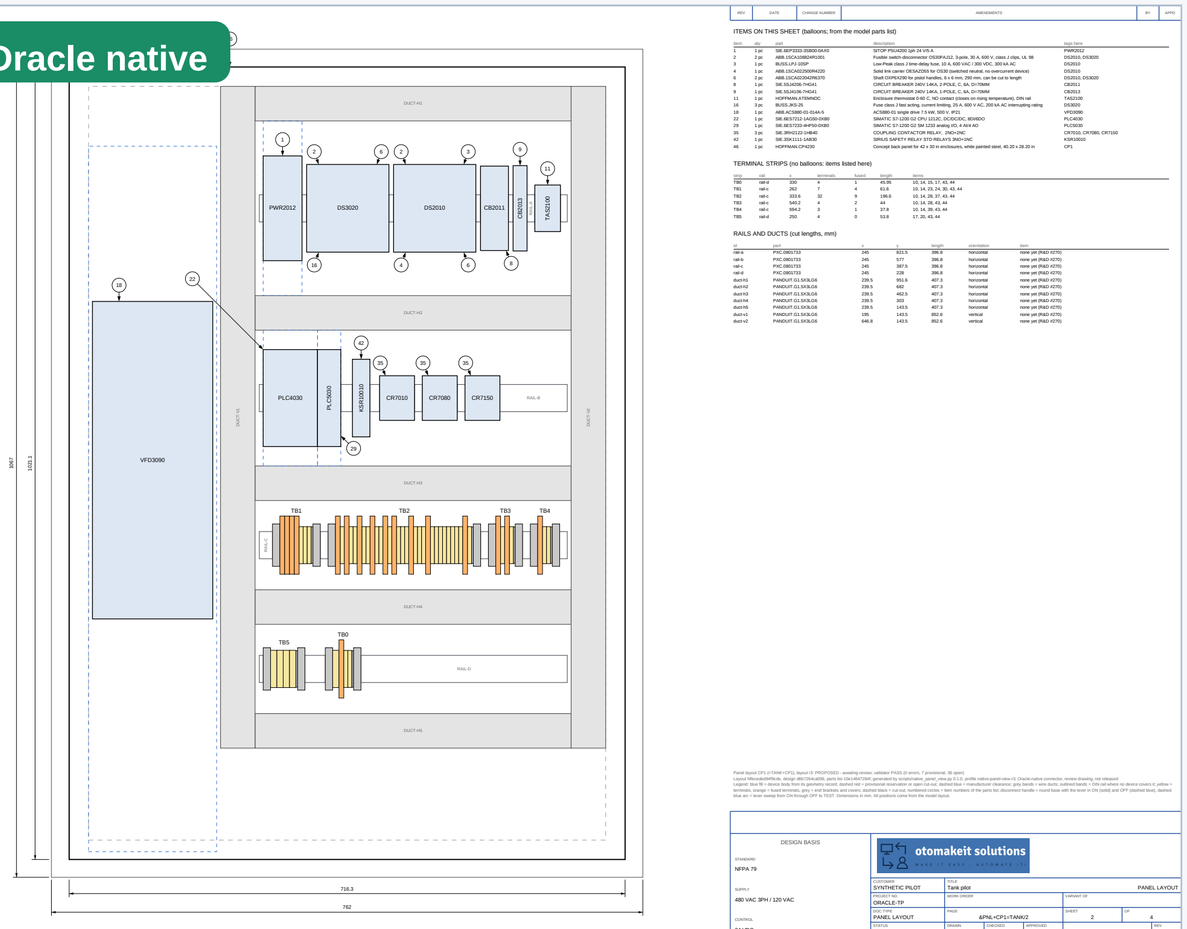
EPLAN P8



AutoCAD Electrical



Oracle native



ITEMS ON THIS SHEET (balloons; from the model parts list)

item	qty	part	description	tags here
1	1 pc	SIE.6EP3333-3SB00-0AX0	SITOP PSU4200 1ph 24 V/5 A	PWR2012
2	2 pc	ABB.1SCA108824R1301	Fusible switch-disconnector OS63FHA1L2, 3-pole, 30 A, 600 V, class J clips, UL '98	DS2010, DS3020
3	1 pc	BUSS.LPJ-10SP	Low-Peak class J time-delay fuse, 10 A, 600 VAC / 300 VDC, 300 kA AC	DS2010
4	1 pc	ABB.1SCA022502R4220	Solid link carrier OESA22S5S for OS(B (switched neutral, no overcurrent device)	DS2010
6	2 pc	ABB.1SCA022042R6370	Shaft OXPR4290 for pistol handles, 6 x 6 mm, 290 mm, can be cut to length	DS2010, DS3020
8	1 pc	SIE.5SJA206-7HG41	CIRCUIT BREAKER 240V 14KA, 2-POLE, C, 6A, D=70MM	CB2011
9	1 pc	SIE.5SJA106-7HG41	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 6A, D=70MM	CB2013
11	1 pc	HOFFMAN.ATB3R4CC	Enclosure thermostat 0-60 C, NO contact (closes on rising temperature), DIN rail	TAS2100
16	3 pc	BUSS.JKS-25	Fuse class J fast acting, current limiting, 25 A, 600 V AC, 200 kA AC interrupting rating	DS3020
18	1 pc	ABB.ACS880-01-014A-5	ACS880-01 single drive 7.5 kW, 500 V, IP21	VFD3090
22	1 pc	SIE.6ES7212-1AG50-0XB0	SIMATIC S7-1200 G2 CPU 1212C, DC/DC/DC, 8DI/6DO	PLC4030
29	1 pc	SIE.6ES7223-4HF50-0XB0	SIMATIC S7-1200 G2 SM 1223 analog I/O, 4 AI/4 AO	PLC5030
35	3 pc	SIE.3RH2122-1HB40	COUPLING CONTACTOR RELAY, 2NO+2NC	CR7010, CR7080, CR7150
42	1 pc	SIE.3RK1111-1AE30	SIRIUS SAFETY RELAY STO RELAYS 3NO+1NC	KSR10010
46	1 pc	HOFFMAN.CP4230	Concept back panel for 42 x 30 in enclosures, white painted steel, 40.20 x 28.20 in	CP1

TERMINAL STRIPS (no balloons: items listed here)

strip	rail	x	terminals	fused	length	tags
TB0	rail-d	333	4	1	45.95	10, 14, 15, 17, 43, 44
TB1	rail-c	262	7	4	61.6	10, 14, 23, 24, 30, 43, 44
TB2	rail-c	333.6	32	9	196.6	10, 14, 28, 37, 43, 44
TB3	rail-c	540.2	8	2	44	10, 14, 28, 43, 44
TB4	rail-c	584.2	3	1	37.8	10, 14, 39, 43, 44
TB5	rail-d	250	4	0	53.8	17, 20, 43, 44

RAILS AND DUCTS (cut lengths, mm)

id	part	x	z	length	orientation	items
rail-a	PXC.0801733	245	821.5	396.8	horizontal	none yet (R&D #270)
rail-b	PXC.0801733	245	577	396.8	horizontal	none yet (R&D #270)
rail-c	PXC.0801733	245	387.5	396.8	horizontal	none yet (R&D #270)
rail-d	PXC.0801733	245	226	396.8	horizontal	none yet (R&D #270)
duct-h1	PANDUIT.G1.5X3LG6	239.5	951.6	407.3	horizontal	none yet (R&D #270)
duct-h2	PANDUIT.G1.5X3LG6	239.5	682	407.3	horizontal	none yet (R&D #270)
duct-h3	PANDUIT.G1.5X3LG6	239.5	462.5	407.3	horizontal	none yet (R&D #270)
duct-h4	PANDUIT.G1.5X3LG6	239.5	303	407.3	horizontal	none yet (R&D #270)
duct-h5	PANDUIT.G1.5X3LG6	239.5	143.5	407.3	horizontal	none yet (R&D #270)
duct-v1	PANDUIT.G1.5X3LG6	195	143.5	852.6	vertical	none yet (R&D #270)
duct-v2	PANDUIT.G1.5X3LG6	646.8	143.5	852.6	vertical	none yet (R&D #270)

Panel layout CP1 (=TANK+CP1), layout r3: PROPOSED - awaiting review; validator PASS (0 errors, 7 provisional, 36 spare)
Layout hMeodde8M5c8k, design d8b7264c4d06, parts list 10b14b472981 generated by scripts/native_panel_view.py 0.1.0, profile native-panel-view-r3. Oracle-native connector, review drawing, not released
Legend: blue fill = device body from its geometry record; dashed red = provisional reservation or open cut-out; dashed blue = manufacturer clearance; gray bands = wire ducts; outlined bands = DIN rail where no device covers it; yellow = terminals, orange = fused terminals, grey = end brackets and covers; dashed black = cut-out, numbered circles = item numbers of the parts list; disconnect handle = round base with the lever in ON (solid) and OFF (dashed blue), dashed blue arc = lever sweep from ON through OFF to TEST. Dimensions in mm. All positions come from the model layout.

DESIGN BASIS

STANDARD
NFPA 79

SUPPLY
480 VAC 3PH / 120 VAC

CONTROL
24 VDC

otomakeit solutions
MAKE IT EASY · AUTOMATE IT!

CUSTOMER: SYNTHETIC PILOT	TITLE: Tank pilot ELEC PANEL LAYOUT		
PROJECT NO: ORACLE-TP	WORK ORDER	VARIANT OF	
DOC TYPE: PANEL LAYOUT	PAGE: &PNL+CP1=TANK/2	SHEET: 2	OF: 4
STATUS: PRELIMINARY	DRAWN: ORACLE	CHECKED	APPROVED
MODEL REV: 7a9106185c6b	DATE: 27OCT26	SCALE: 1:3	ORACLE-TP

Panel layout

One Oracle model revision.

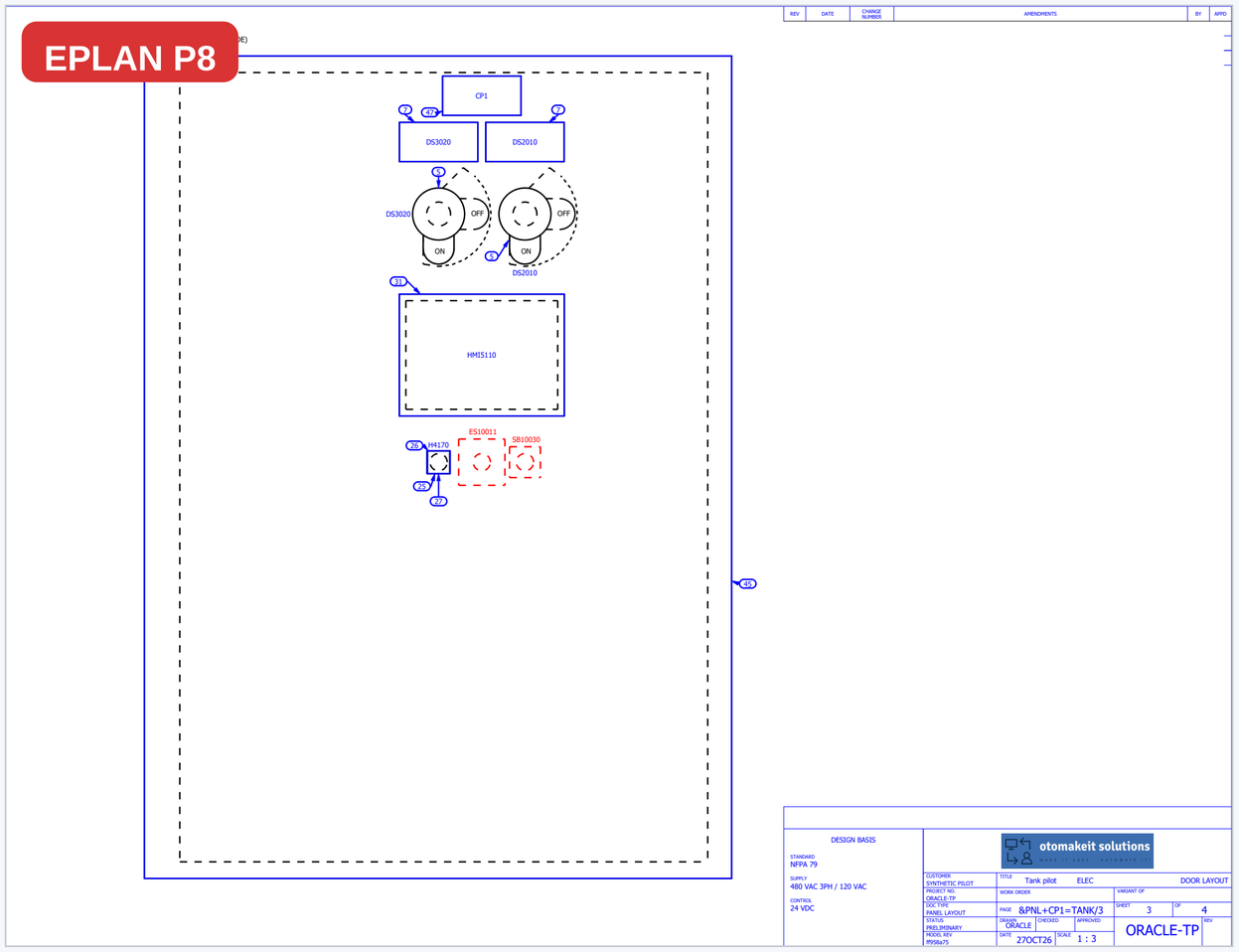
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

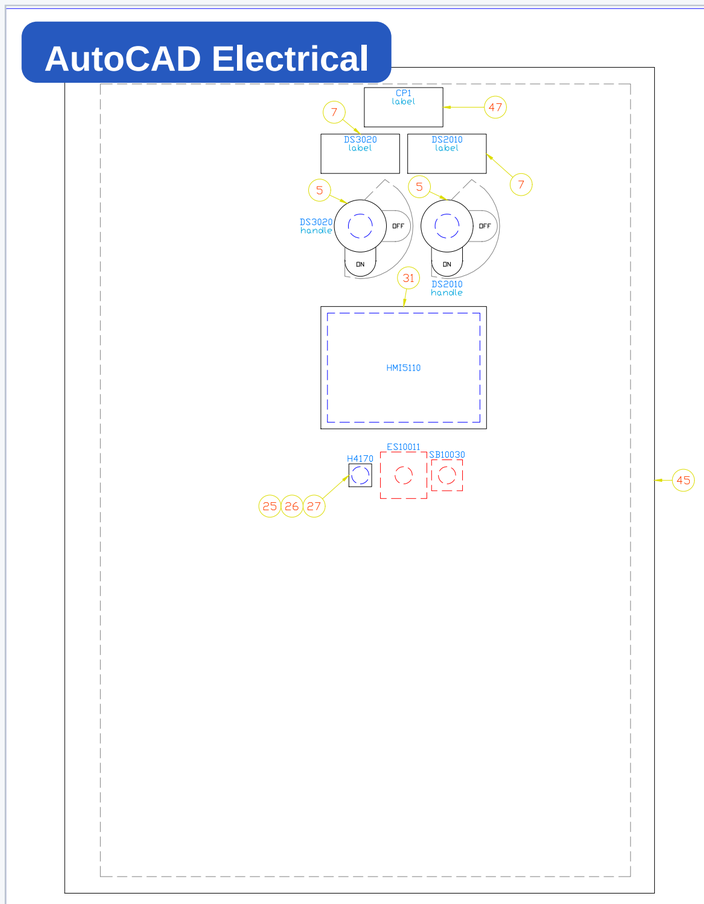
Page 13: Door layout

Same page of the Oracle Tank pilot from each connector

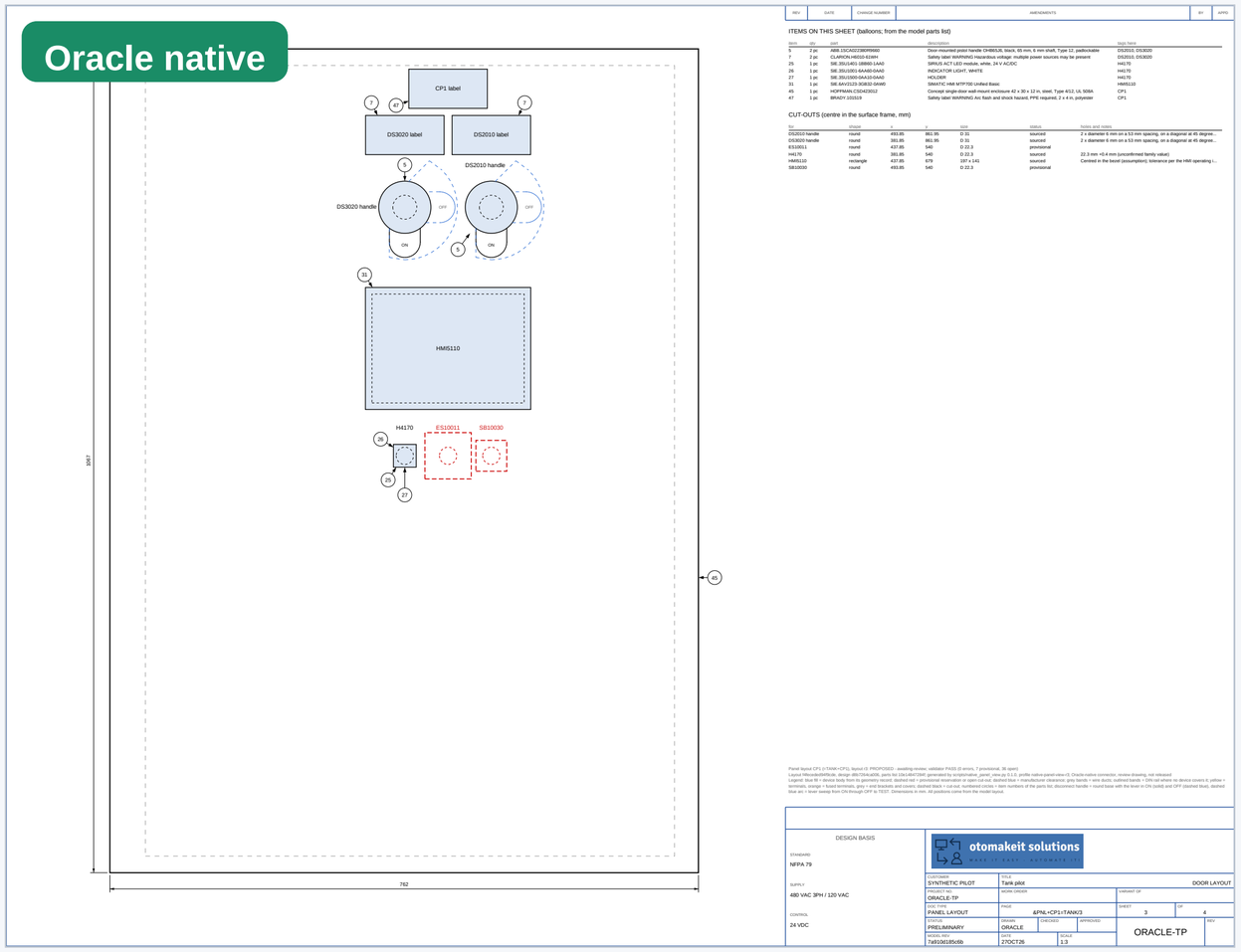
EPLAN P8



AutoCAD Electrical



Oracle native



ITEMS ON THIS SHEET (balloons; from the model parts list)

item	qty	part	description	tags here
5	2 pc	ABB.1SCA022380R9680	Door-mounted pistol handle OHB65J8, black, 65 mm, 6 mm shaft, Type 12, padlockable	DS2010, DS3020
7	2 pc	CLARION.HNS02-616/H	Safety label WARNING Hazardous voltage: multiple power sources may be present	DS2010, DS3020
25	1 pc	SIE.3SU1401-1BB60-1AA0	SIRIUS ACT LED module, white, 24 V AC/DC	H4170
26	1 pc	SIE.3SU1001-6AA60-0AA0	INDICATOR LIGHT, WHITE	H4170
27	1 pc	SIE.3SU1000-0AA10-0AA0	HOLDER	H4170
31	1 pc	SIE.6AV2123-3GB32-0AW0	SIMATIC HMI MTP700 Unified Basic	HMI5110
45	1 pc	HOFFMAN.CSD423012	Concept single-door wall-mount enclosure 42 x 30 x 12 in, steel, Type 4/12, UL 508A	CP1
47	1 pc	BRADY.103319	Safety label WARNING Arc flash and shock hazard, PPE required, 2 x 4 in, polyester	CP1

CUT-OUTS (centre in the surface frame, mm)

for	shape	x	y	size	status	holes and notes
DS2010 handle	round	493.85	861.95	D 31	sourced	2 x diameter 6 mm on ø 53 mm spacing, on a diagonal at 45 degree…
DS3020 handle	round	381.85	861.95	D 31	sourced	2 x diameter 6 mm on ø 53 mm spacing, on a diagonal at 45 degree…
ES10011	round	437.85	540	D 22.3	provisional	
H4170	round	381.85	540	D 22.3	sourced	22.3 mm +0.4 mm (unconfirmed family value)
HMI5110	rectangle	437.85	679	197 x 141	sourced	Centred in the bezel (assumption); tolerance per the HMI operating i…
SB10030	round	493.85	540	D 22.3	provisional	

Panel layout CP1 (=TANK+CP1), layout /3. PROPOSED - awaiting review; validator PASS (0 errors, 7 provisional, 36 spare)
Layout hfecodde8ef9c0e, design d8b7264a4d06, parts list 10b14b472b6f, generated by script/native_panel_view.py 0.1.0, profile native-panel-view+3. Oracle-native connector, review drawing, not released
Legend: blue fill = device body from its geometry record; dashed red = provisional reservation or open cut-out; dashed blue = manufacturer clearance; grey bands = wire ducts; outlined bands = DIN rail where no device covers it; yellow = terminals, orange = fused terminals, grey = end brackets and covers; dashed black = cut-out. Numbered circles = item numbers of the parts list; disconnect handle = round base with the lever in ON (solid) and OFF (dashed blue), dashed blue arc = lever sweep from ON through OFF to TEST. Dimensions in mm. All positions come from the model layout.

DESIGN BASIS
STANDARD NFPA 79
SUPPLY 480 VAC 3PH / 120 VAC
CONTROL 24 VDC

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CUSTOMER SYNTHETIC PILOT	TITLE Tank pilot ELEC		DOOR LAYOUT
PROJECT NO. ORACLE-TP	WORK ORDER	VARIANT OF	
DOC TYPE PANEL LAYOUT	PAGE &PNL+CP1=TANK/3	SHEET 3	OF 4
STATUS PRELIMINARY	DRAWN ORACLE	CHECKED	APPROVED
MODEL REV 7a9106185c6b	DATE 27OCT26	SCALE 1 : 3	ORACLE-TP REV

Door layout

One Oracle model revision.

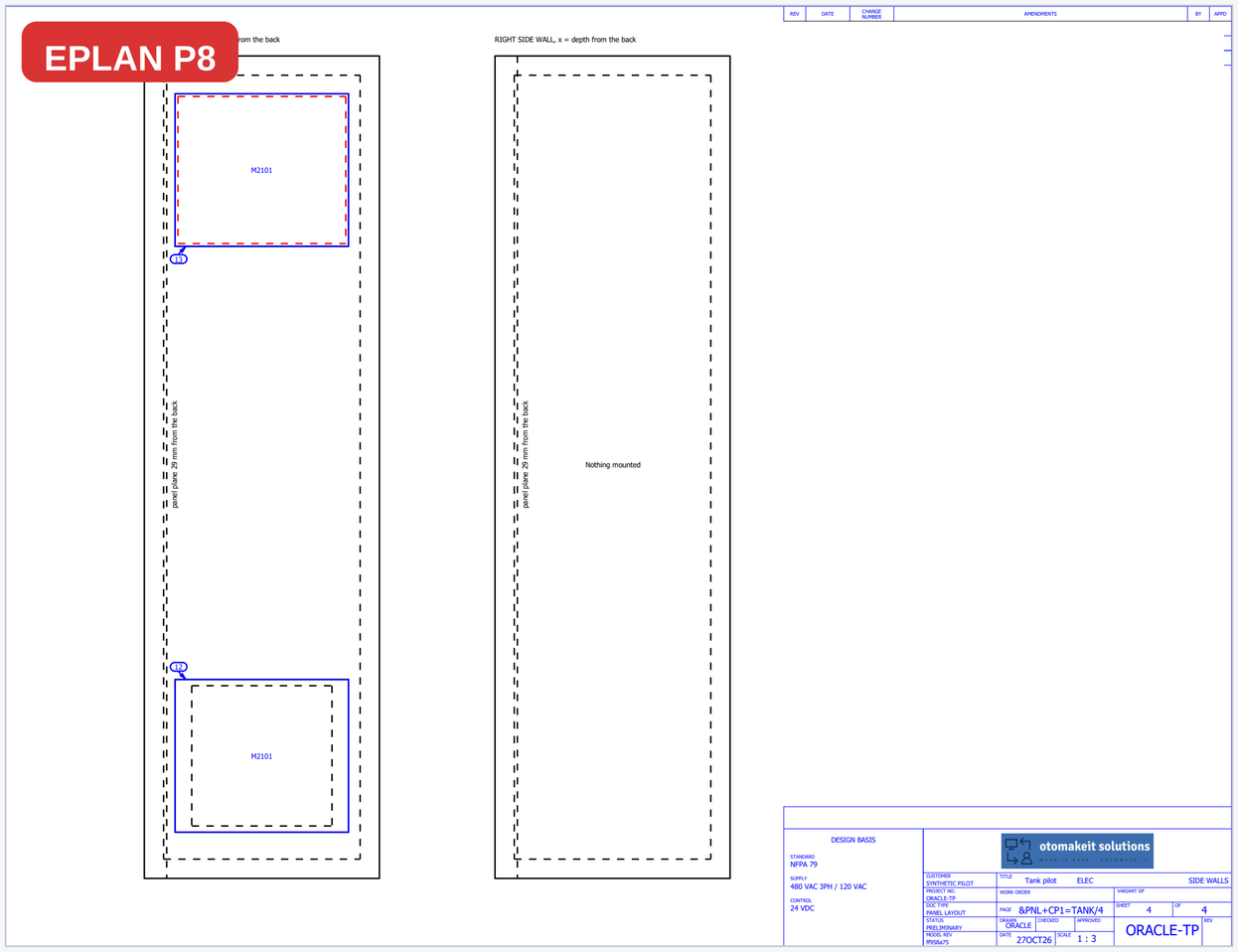
EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

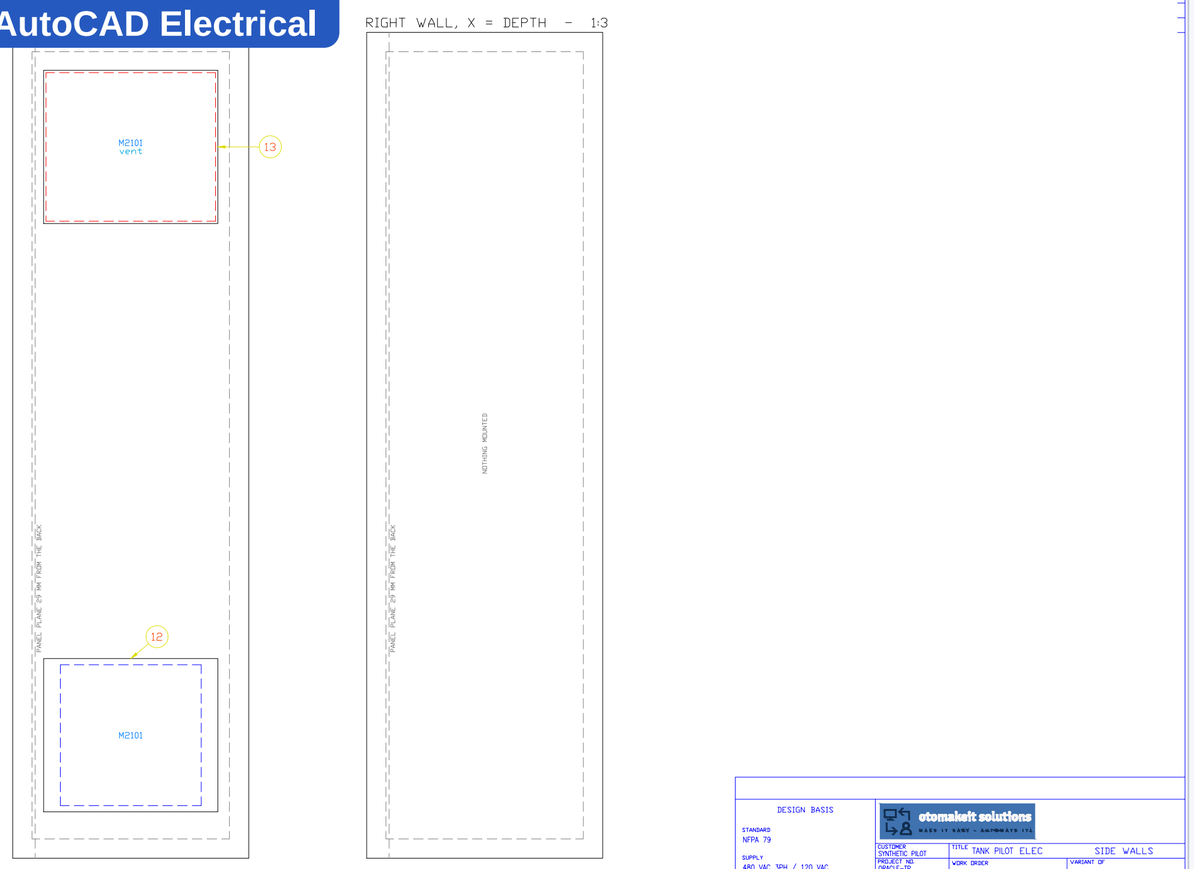
Page 14: Side walls

Same page of the Oracle Tank pilot from each connector

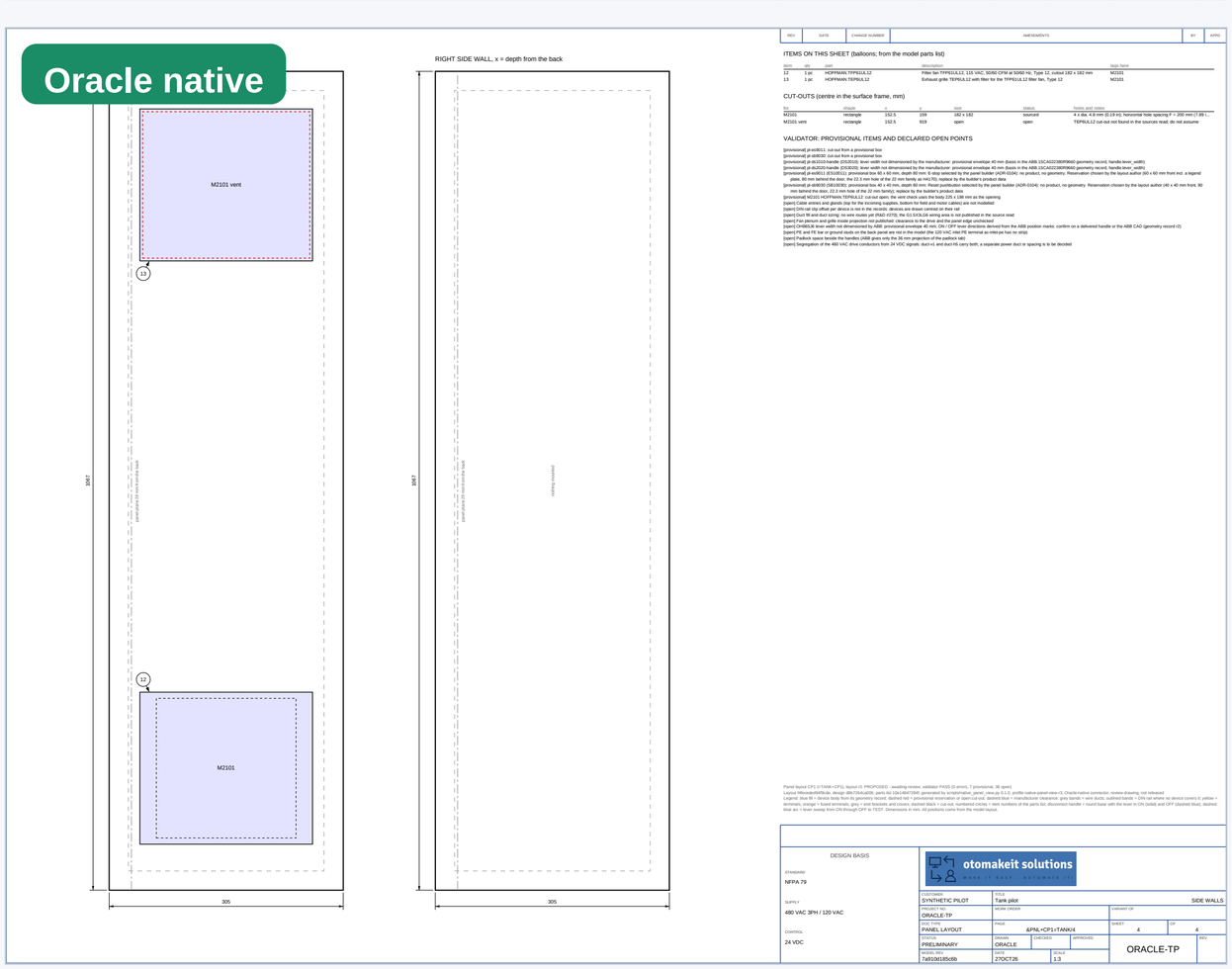
EPLAN P8



AutoCAD Electrical



Oracle native



Side walls

One Oracle model revision.

EPLAN P8 -> native EPLAN project
AutoCAD Electrical -> native DWG project
Oracle native -> PDF / SVG / DXF, no ECAD licence

Tags, wire numbers, terminals, parts and
item numbers come from the model, not the tool.

The model is the system.

The ECAD tool is the view.

Customer requires EPLAN? **EPLAN connector**

Customer requires DWG? **AutoCAD Electrical connector**

Only PDFs needed? **Oracle native connector**

Same design. Same tags. Same parts. Any output.