
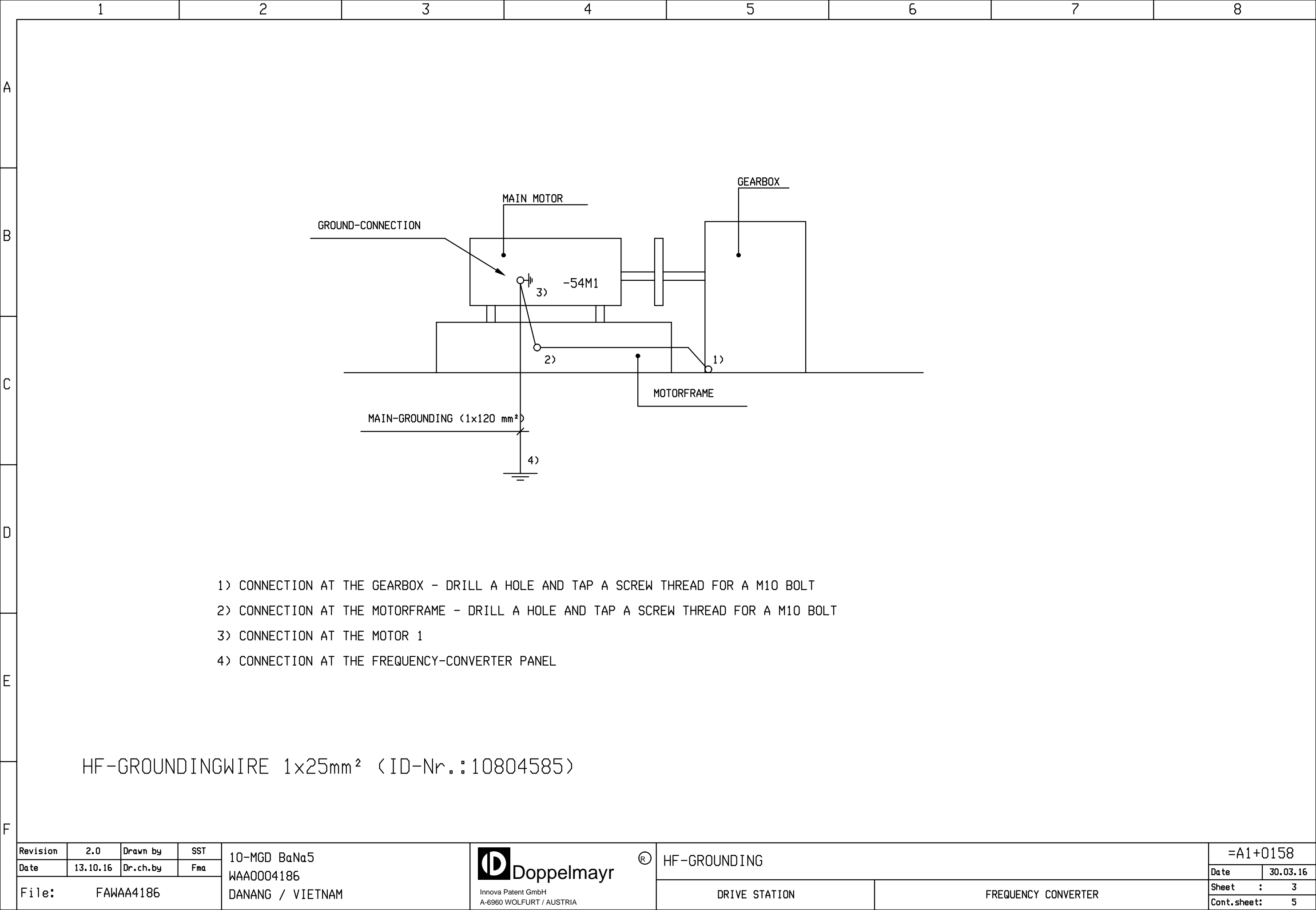




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B	A1 ... DRIVE STATION A2 ... RETURN STATION  A10... BOTTOM STATION A20... TOP STATION  O1 ... CONTROL PANEL O3 ... STATION O16... LOW VOLTAGE DISTRIBUTION O158.. PANEL FREQUENCY CONVERTER O161.. TERMINAL BOX MAIN MOTOR 1 O161.. TERMINAL BOX MAIN MOTOR 2				X1 ... TERMINALS TERMINAL BOX MAIN MOTOR X2 ... THREE-PHASE MOTORS X3 ... CONNECTIONS 231V/AC X4 ... POWER SUPPLY (AC) X5 ... CONNECTIONS 24V/DC MAIN CONTROLS / LOW VOLTAGE DISTRIBUTION X7 ... TEMPERATURE SENSOR (PTC / PT100) X10... ENCODER X12... CONNECTIONS 24V/DC PANEL FREQUENCY CONVERTER X25... CONNECTIONS MAIN CONTROLS ANALOG SIGNALS X30... CONTROL PANEL HEATER 230V AC X31... TERMINALS 230V/AC CONTROL PANEL MOTOR INVERTER UNIT 1 X32... TERMINALS 230V/AC CONTROL PANEL MOTOR INVERTER UNIT 2 X33... TERMINALS 230V/AC CONTROL PANEL REGENERATIVE RECTIFIER UNIT 1+2 X34... TERMINALS 230V/AC CONTROL PANEL REGENERATIVE RECTIFIER UNIT 3+4 X35... TERMINALS 230V/AC CONTROL PANEL REGENERATIVE RECTIFIER UNIT 5+6 X121.. TERMINALS 24V/DC CONTROL PANEL REGENERATIVE RECTIFIER UNIT 1+2 X122.. TERMINALS 24V/DC CONTROL PANEL REGENERATIVE RECTIFIER UNIT 3+4 X123.. TERMINALS 24V/DC CONTROL PANEL REGENERATIVE RECTIFIER UNIT 5+6 X124.. TERMINALS 24V/DC CONTROL PANEL MOTOR INVERTER UNIT 1 X125.. TERMINALS 24V/DC CONTROL PANEL MOTOR INVERTER UNIT 2																																																																																																																																																																																																																							
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D	<table><tr><td colspan="5"><i>ELECTRICAL NETWORK</i></td><td colspan="4"></td></tr><tr><td colspan="5">POWER SYSTEM BY TYPE OF GROUND CONNECTION</td><td colspan="4">TN-C-S</td></tr><tr><td colspan="5">RATED VOLTAGE (U<sub>n</sub>)</td><td colspan="4">400V</td></tr><tr><td colspan="5">ALLOWED VOLTAGE DEVIATION AT THE CONNECTION OF SUPPLY</td><td colspan="4">+/-5%</td></tr><tr><td colspan="5">RATED FREQUENCY (f<sub>n</sub>)</td><td colspan="4">50Hz</td></tr><tr><td colspan="5">RATED IMPULSE STRENGTH VOLTAGE (U<sub>imp</sub>)</td><td colspan="4">2,5kV</td></tr><tr><td colspan="5">RATED INSULATION VOLTAGE (U<sub>i</sub>)</td><td colspan="4">500V</td></tr><tr><td colspan="9"><i>SHORT CIRCUIT RATING</i></td><td></td></tr><tr><td colspan="5">RATED SURGE CURRENT STRENGTH (PEAK VALUE I<sub>pk</sub>)</td><td colspan="4">SEE INFORMATION AT THE CIRCUIT</td></tr><tr><td colspan="5">RATED SHORT-TIME CURRENT STRENGTH (ROOT MEAN SQUARE I<sub>cw</sub>)</td><td colspan="4">SEE INFORMATION AT THE CIRCUIT</td></tr><tr><td colspan="9"><i>PROTECTION OF PERSONS AGAINST ELECTRIC SHOCK BY IEC 60364-4-41</i></td><td></td></tr><tr><td colspan="5">KIND OF PROTECTION AGAINST ELECTRIC SHOCK - BASIC PROTECTION</td><td colspan="4">BASIC PROTECTION BY CONSTRUCTIVE MEASURES</td></tr><tr><td colspan="5">KIND OF PROTECTION AGAINST ELECTRIC SHOCK - FAULT PROTECTION</td><td colspan="4">PROTECTIVE MULTIPLE EARTHING</td></tr><tr><td colspan="9"><i>INSTALLATION ENVIRONMENT</i></td><td></td></tr><tr><td colspan="5">INSTALLATION AREA</td><td colspan="4">INDOOR</td></tr><tr><td colspan="5">PROTECTION CLASS</td><td colspan="4">CABINET BOTTOM SIDE: IPXXB; REMAINING PARTS OF THE CABINET: IP2X</td></tr><tr><td colspan="5">AMBIENT TEMPERATURE</td><td colspan="4">+10°C - +30°C</td></tr><tr><td colspan="5">POLLUTION DEGREE</td><td colspan="4">1</td></tr><tr><td colspan="5">EMC - ENVIRONMENT</td><td colspan="4">A</td></tr><tr><td colspan="5">MAX. HUMIDITY</td><td colspan="4">90%</td></tr><tr><td colspan="9"><i>CURRENT CARRYING CAPACITY</i></td><td></td></tr><tr><td colspan="5">RATED CURRENT (I<sub>nA</sub>)</td><td colspan="4">SEE OVERCURRENT PROTECTION DEVICES</td></tr><tr><td colspan="5">RATED CURRENT (I<sub>nc</sub>)</td><td colspan="4">SEE OVERCURRENT PROTECTION DEVICES</td></tr></table>									<i>ELECTRICAL NETWORK</i>									POWER SYSTEM BY TYPE OF GROUND CONNECTION					TN-C-S				RATED VOLTAGE (U <sub>n</sub> )					400V				ALLOWED VOLTAGE DEVIATION AT THE CONNECTION OF SUPPLY					+/-5%				RATED FREQUENCY (f <sub>n</sub> )					50Hz				RATED IMPULSE STRENGTH VOLTAGE (U <sub>imp</sub> )					2,5kV				RATED INSULATION VOLTAGE (U <sub>i</sub> )					500V				<i>SHORT CIRCUIT RATING</i>										RATED SURGE CURRENT STRENGTH (PEAK VALUE I <sub>pk</sub> )					SEE INFORMATION AT THE CIRCUIT				RATED SHORT-TIME CURRENT STRENGTH (ROOT MEAN SQUARE I <sub>cw</sub> )					SEE INFORMATION AT THE CIRCUIT				<i>PROTECTION OF PERSONS AGAINST ELECTRIC SHOCK BY IEC 60364-4-41</i>										KIND OF PROTECTION AGAINST ELECTRIC SHOCK - BASIC PROTECTION					BASIC PROTECTION BY CONSTRUCTIVE MEASURES				KIND OF PROTECTION AGAINST ELECTRIC SHOCK - FAULT PROTECTION					PROTECTIVE MULTIPLE EARTHING				<i>INSTALLATION ENVIRONMENT</i>										INSTALLATION AREA					INDOOR				PROTECTION CLASS					CABINET BOTTOM SIDE: IPXXB; REMAINING PARTS OF THE CABINET: IP2X				AMBIENT TEMPERATURE					+10°C - +30°C				POLLUTION DEGREE					1				EMC - ENVIRONMENT					A				MAX. HUMIDITY					90%				<i>CURRENT CARRYING CAPACITY</i>										RATED CURRENT (I <sub>nA</sub> )					SEE OVERCURRENT PROTECTION DEVICES				RATED CURRENT (I <sub>nc</sub> )					SEE OVERCURRENT PROTECTION DEVICES			
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HF-GROUNDING

DRIVE STATION

FREQUENCY CONVERTER

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Date	30.03.16
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A

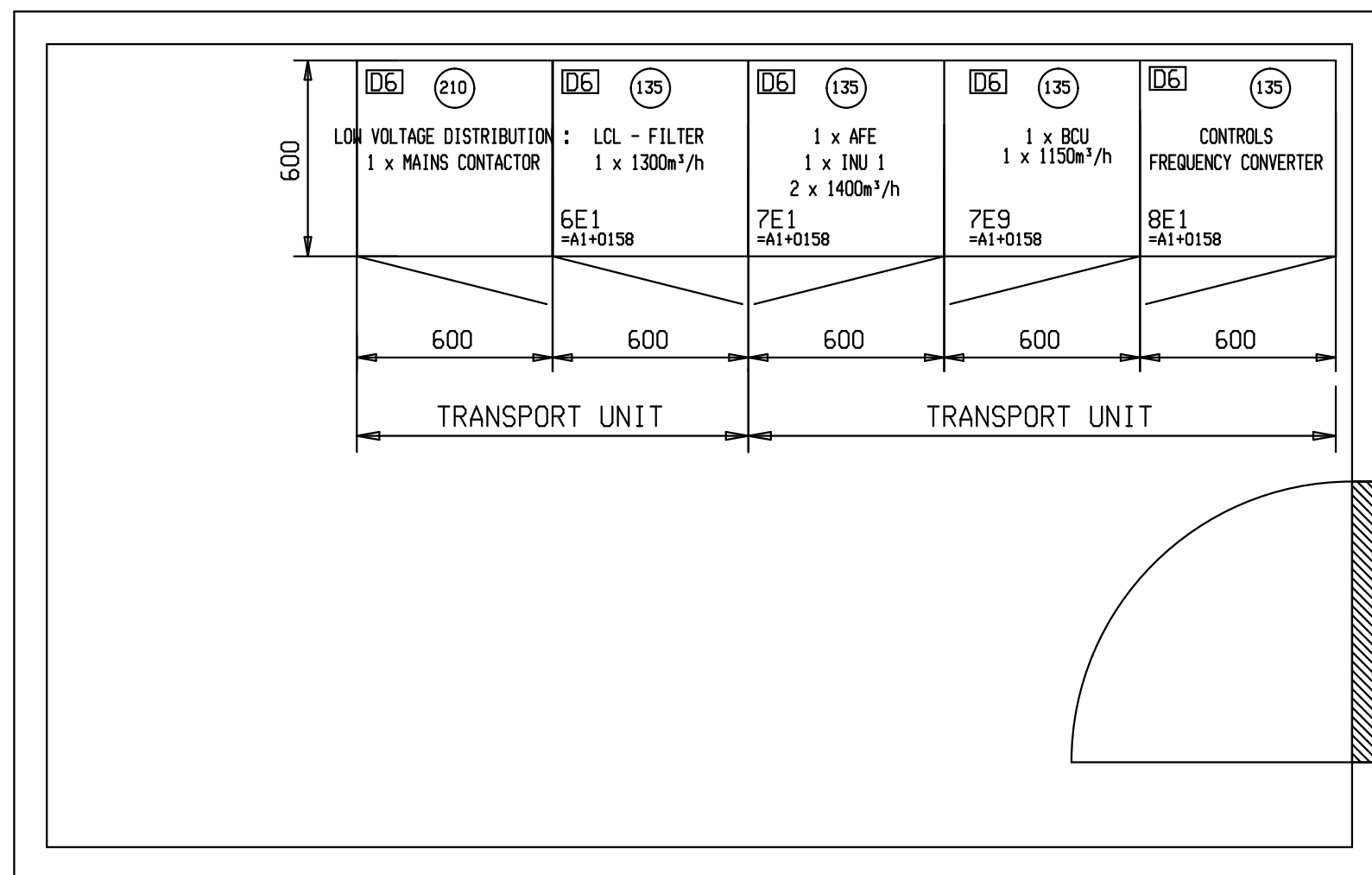
B

C

D

E

F



LEGEND

(85) ... LIGHTNING PROTECTION ( CONTROLLING CABLES, LINE CABLE )

(120) ... POWER SUPPLY MAIN DRIVE



(135) ... FREQUENCY CONVERTER MAIN DRIVE

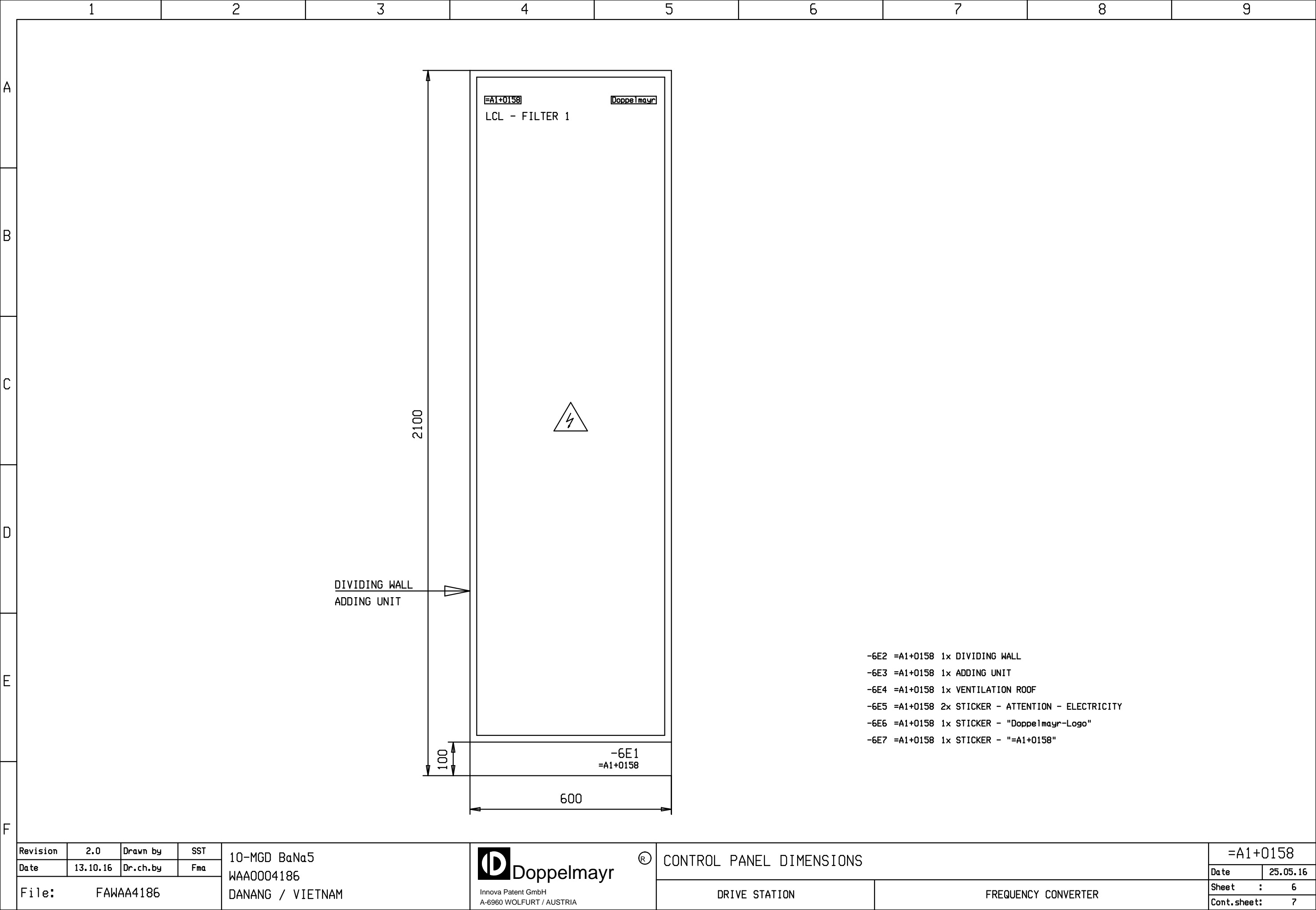
(210) ... LOW VOLTAGE DISTRIBUTION

VENTILATION ROOF :


**D6** ... VENTILATION ROOF 600mm

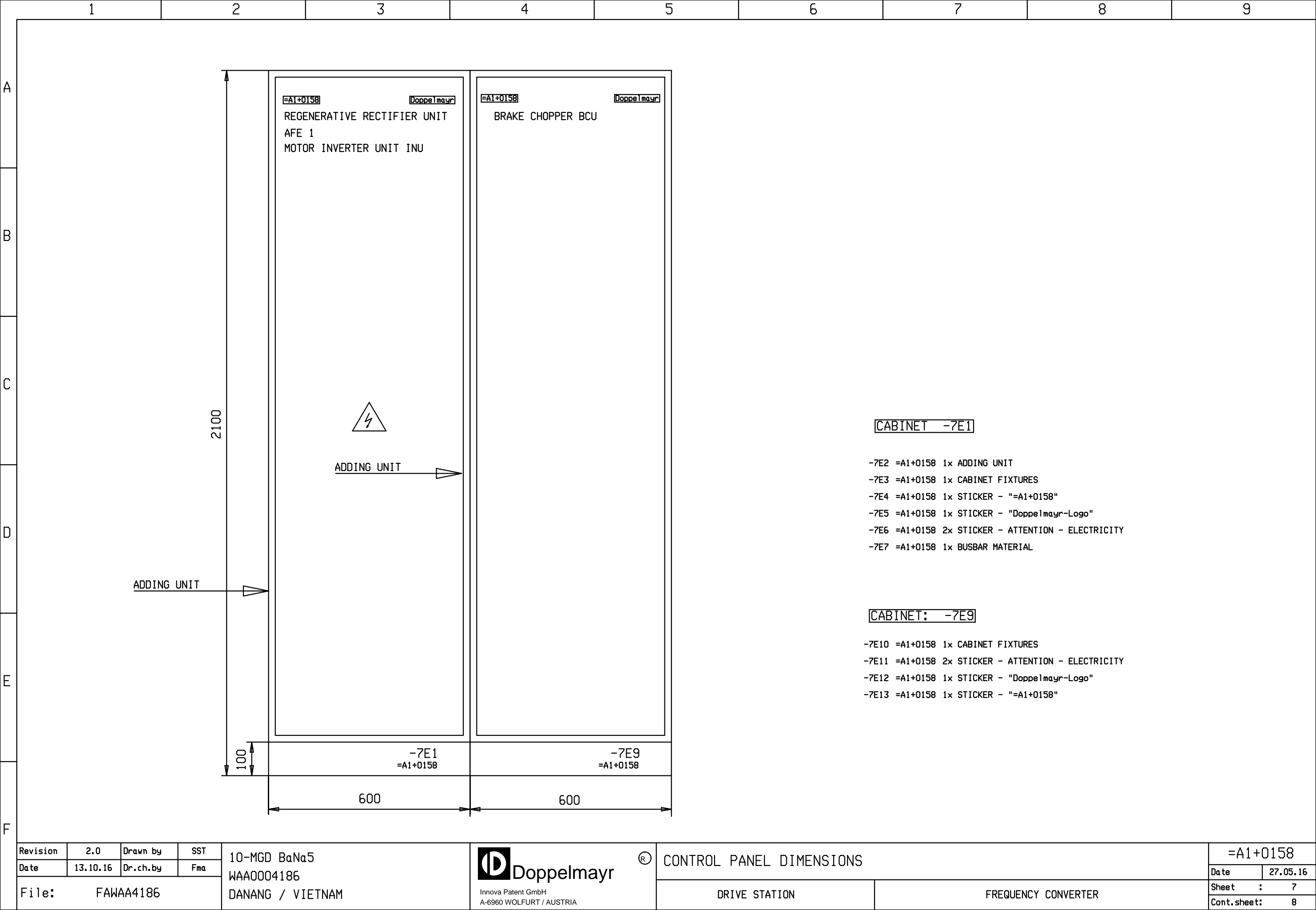
**D8** ... VENTILATION ROOF 800mm

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							Cont. sheet	:	6			



- 6E2 =A1+0158 1x DIVIDING WALL
- 6E3 =A1+0158 1x ADDING UNIT
- 6E4 =A1+0158 1x VENTILATION ROOF
- 6E5 =A1+0158 2x STICKER - ATTENTION - ELECTRICITY
- 6E6 =A1+0158 1x STICKER - "Doppelmayr-Logo"
- 6E7 =A1+0158 1x STICKER - "=A1+0158"

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Date	13.10.16	Dr.ch.by	Fma					Date	25.05.
File: FAWAA4186						DRIVE STATION		FREQUENCY CONVERTER	
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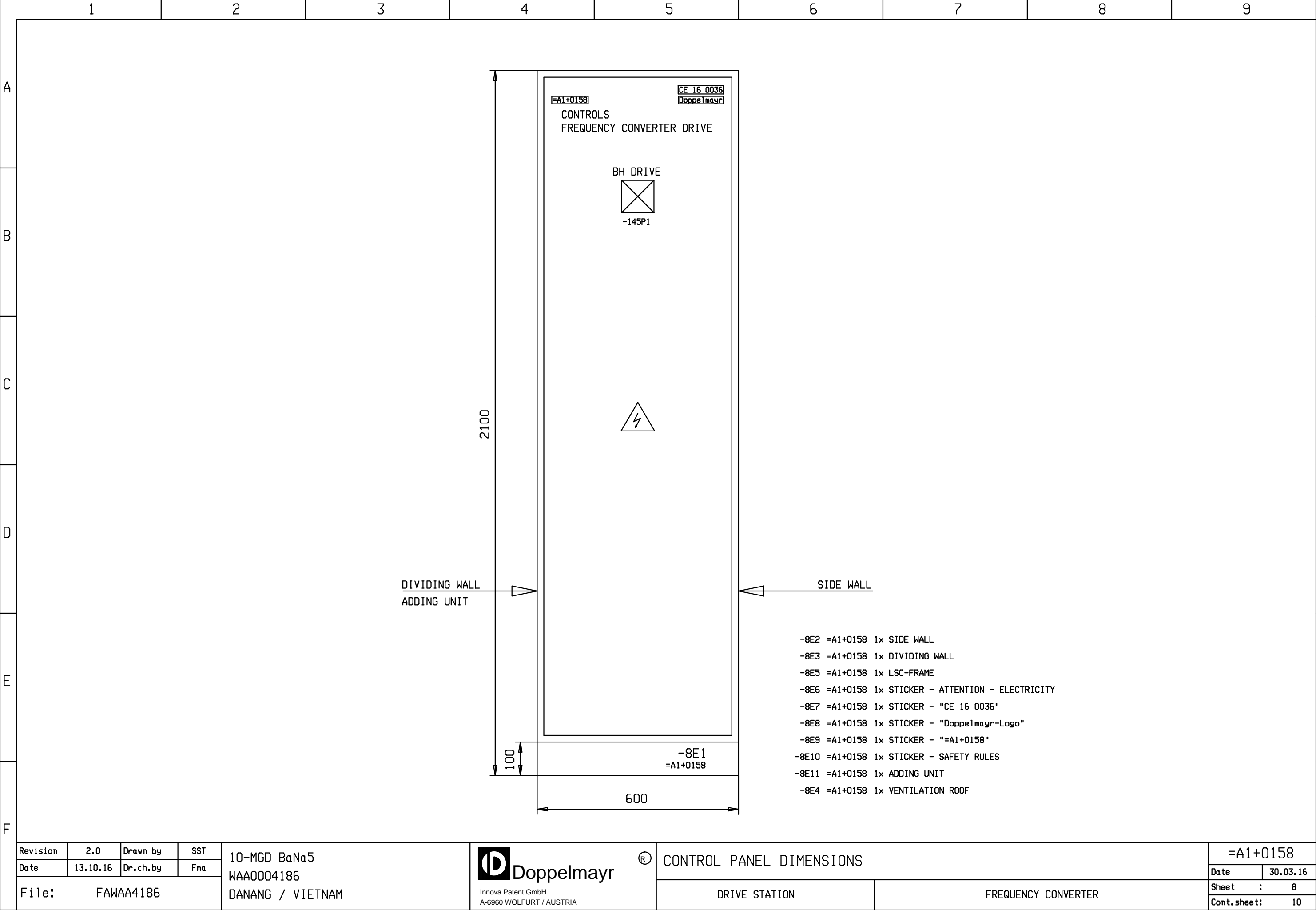


CONTROL PANEL DIMENSIONS

DRIVE STATION

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CONTROL PANEL DIMENSIONS

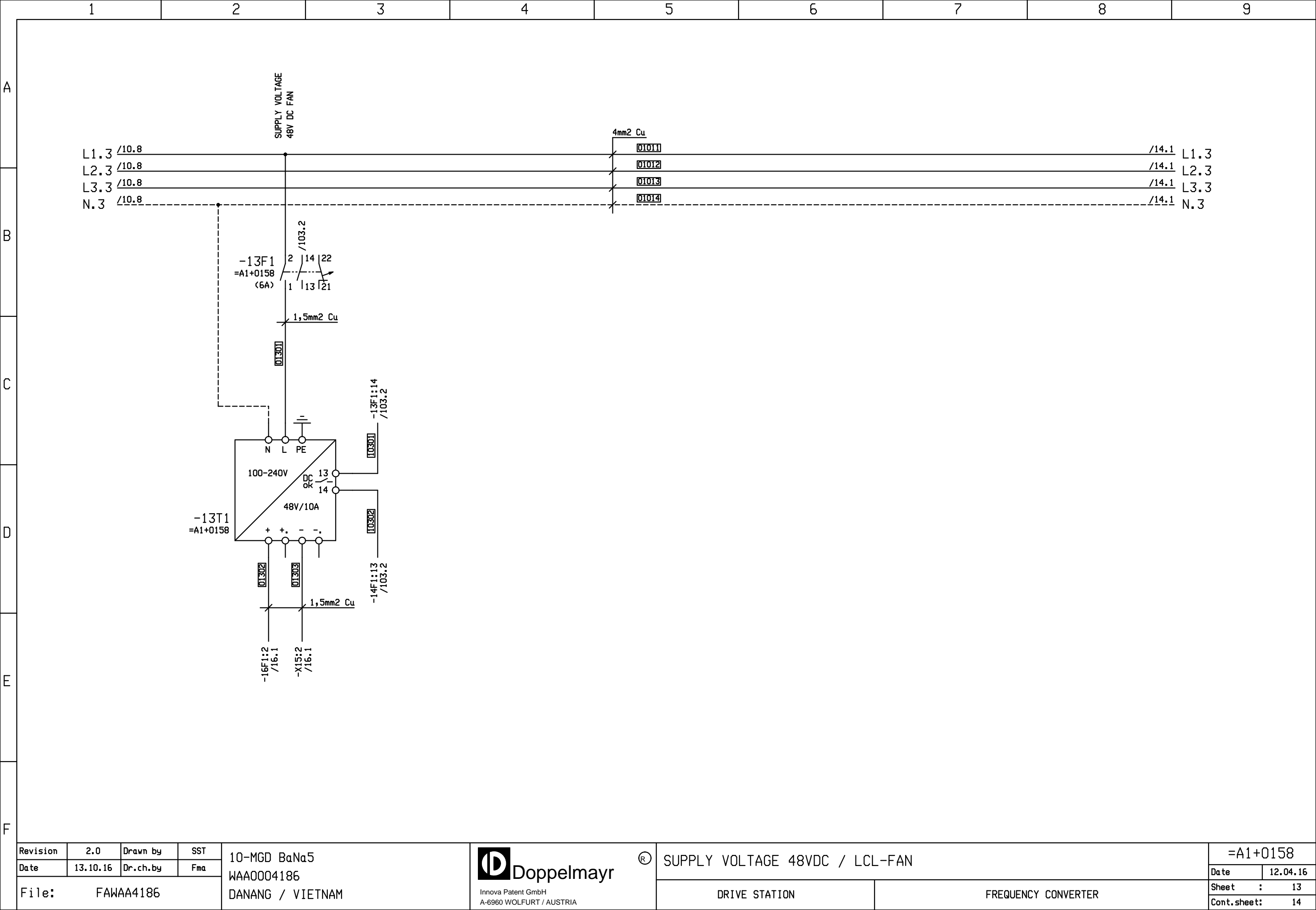
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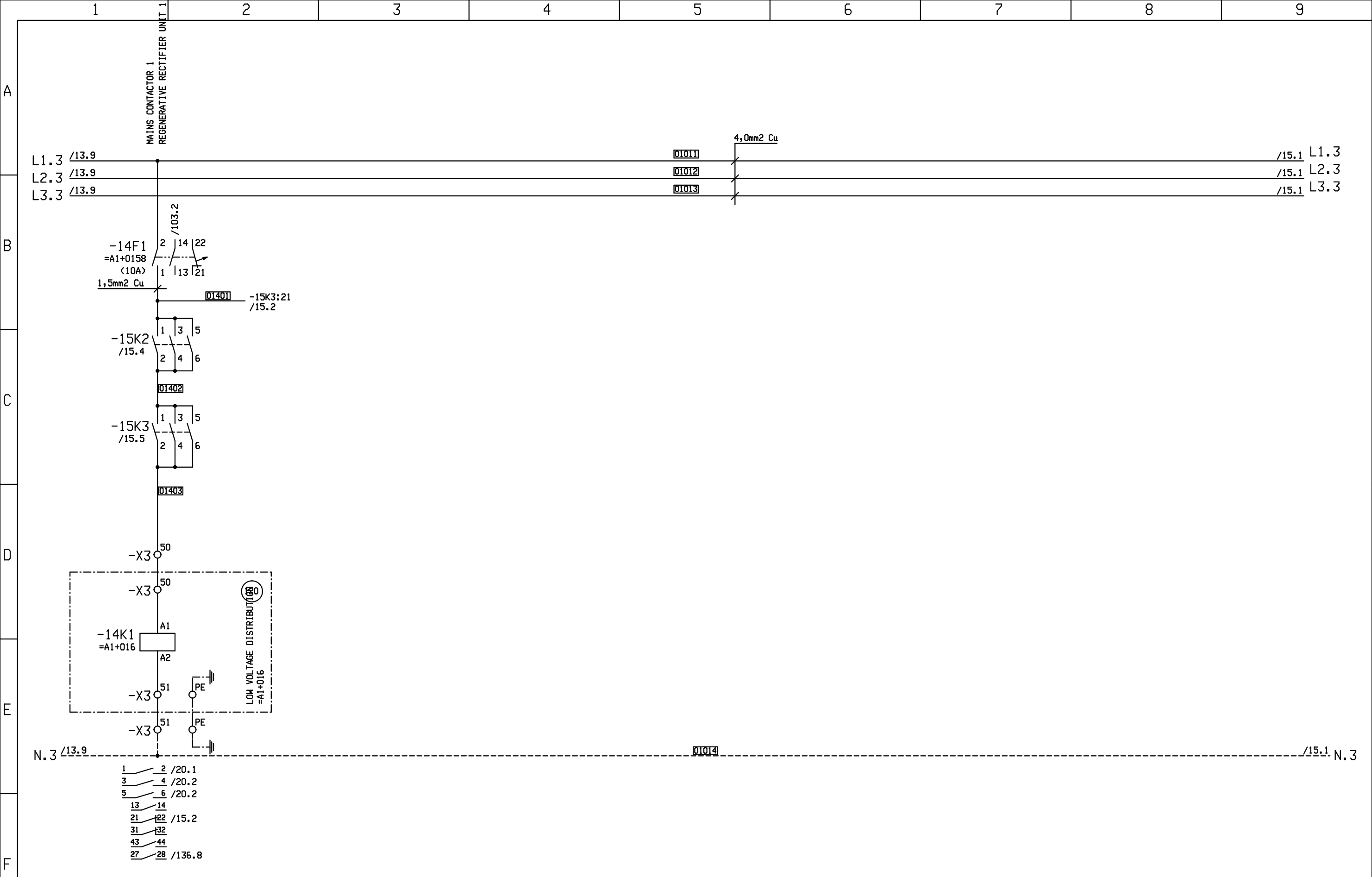
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SUPPLY VOLTAGE 48VDC / LCL-FAN	
DRIVE STATION	FREQUENCY CONVERTER

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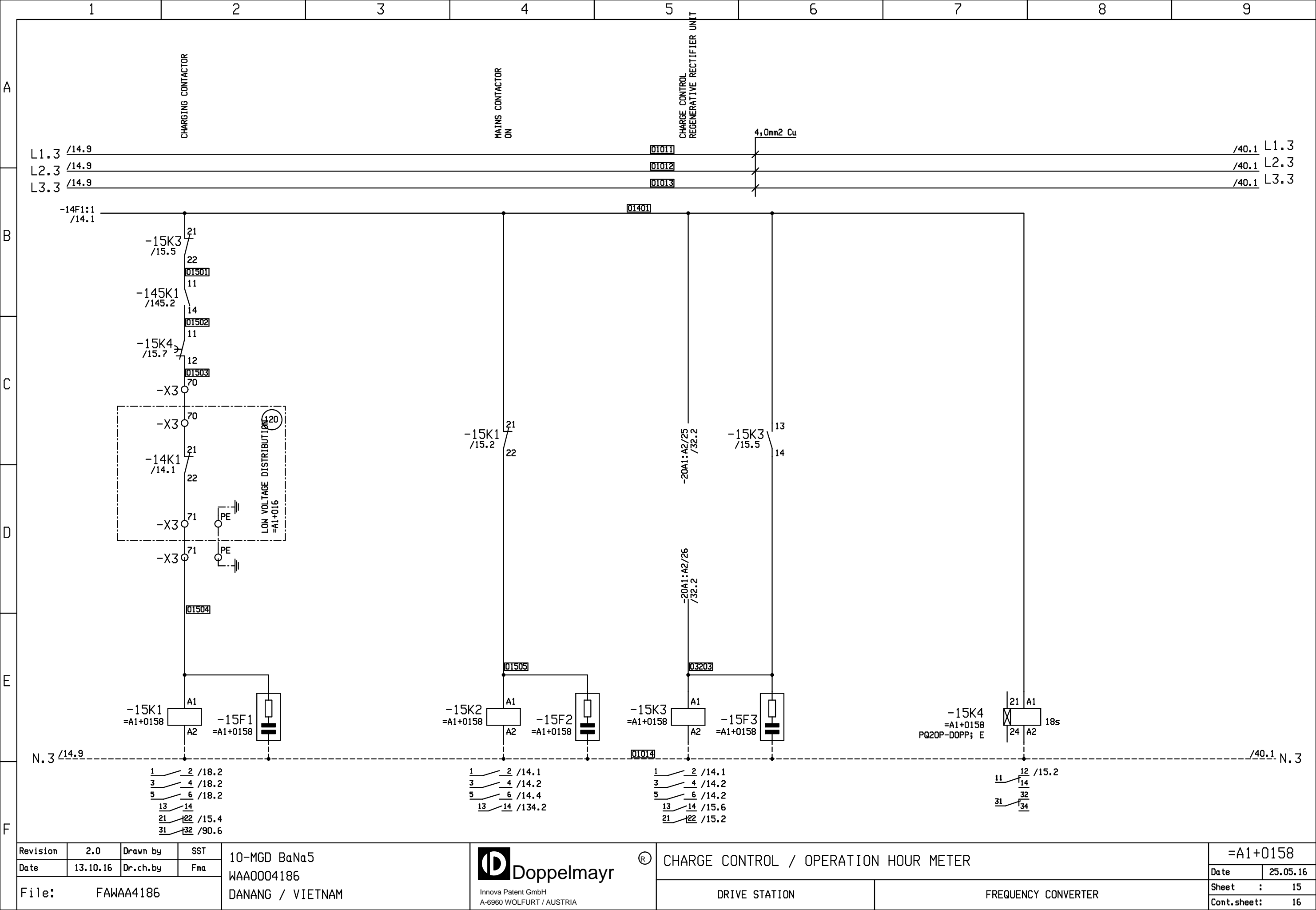
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MAINS CONTACTOR	
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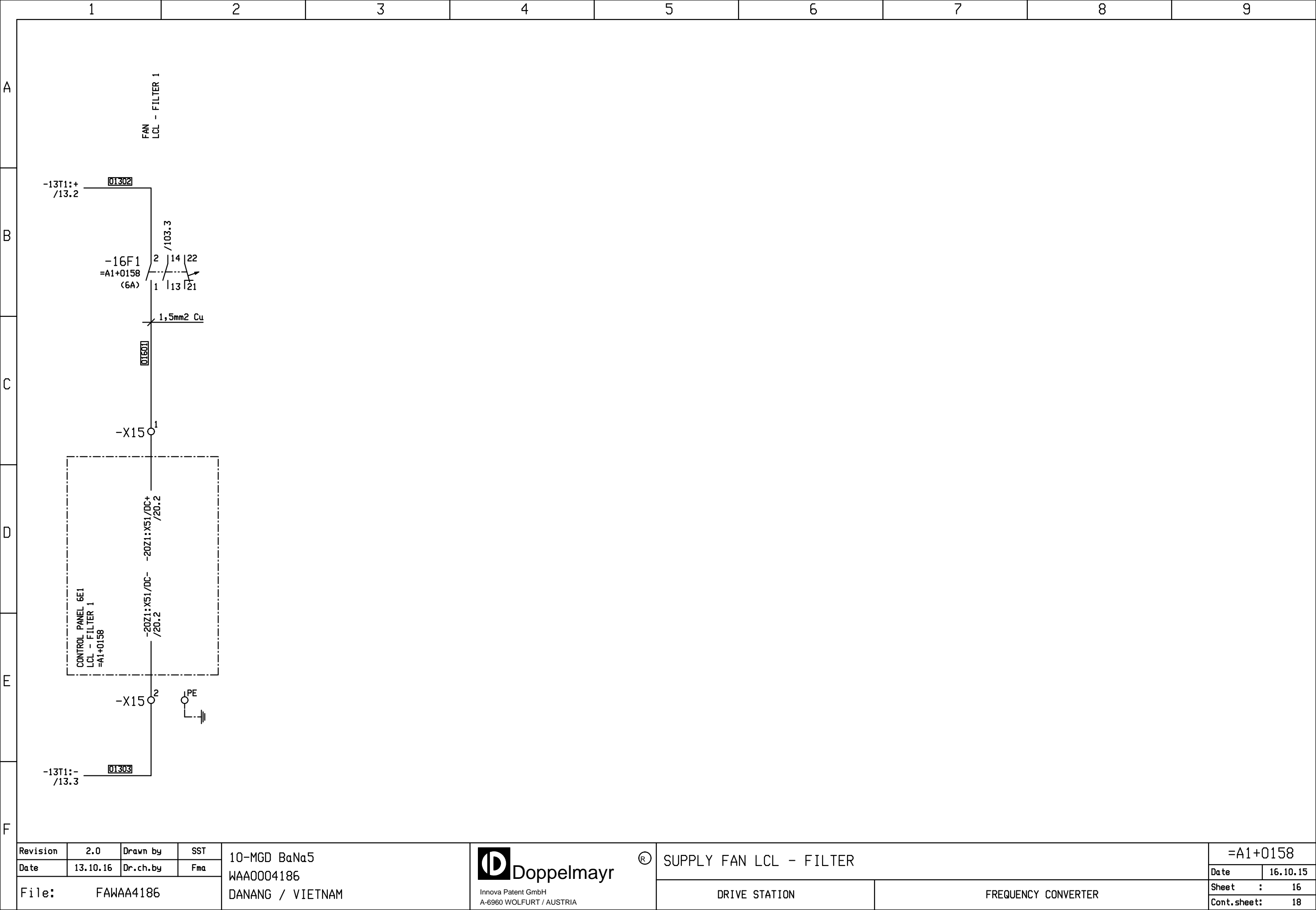
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CHARGE CONTROL / OPERATION HOUR METER	
DRIVE STATION	FREQUENCY CONVERTER

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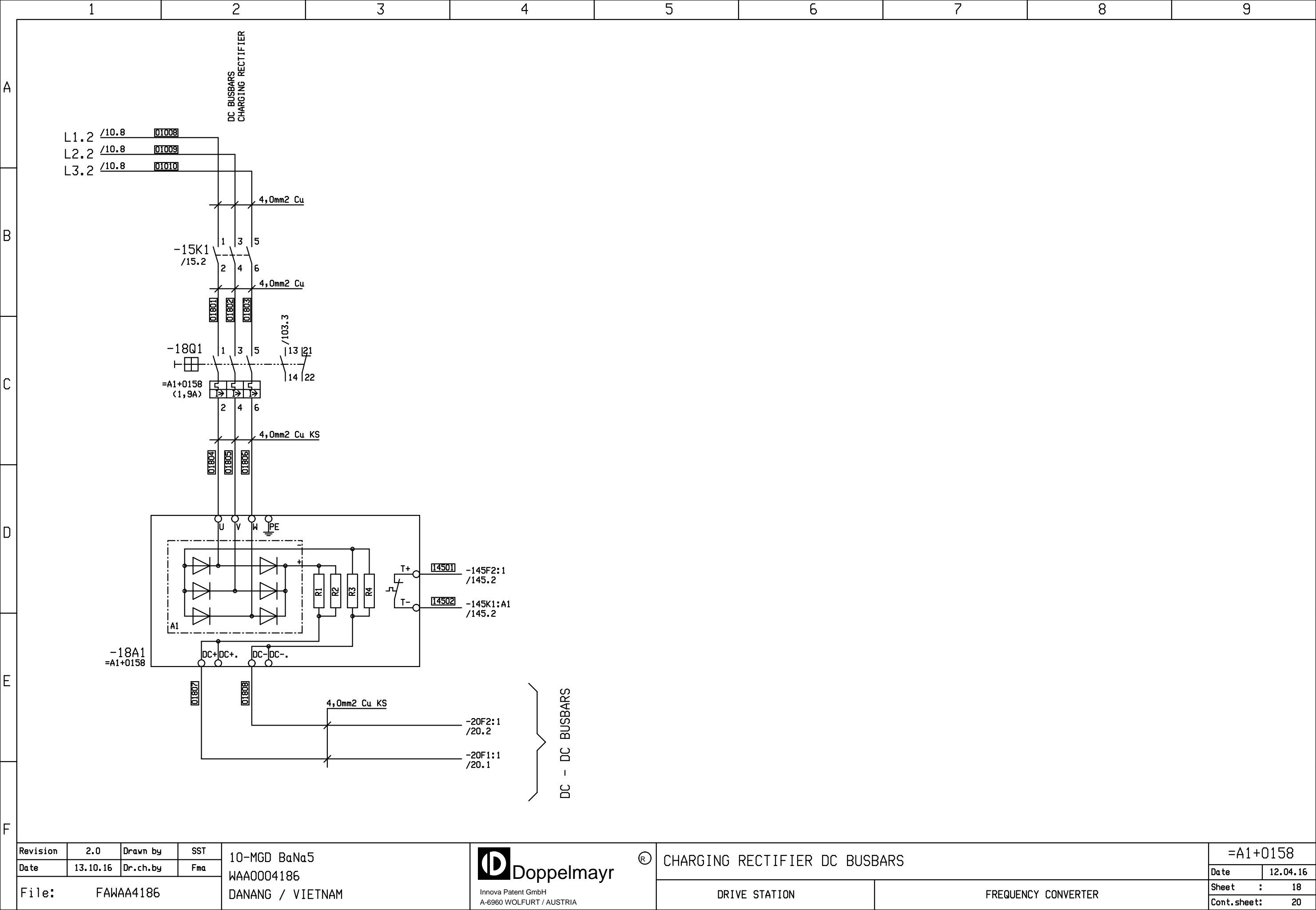
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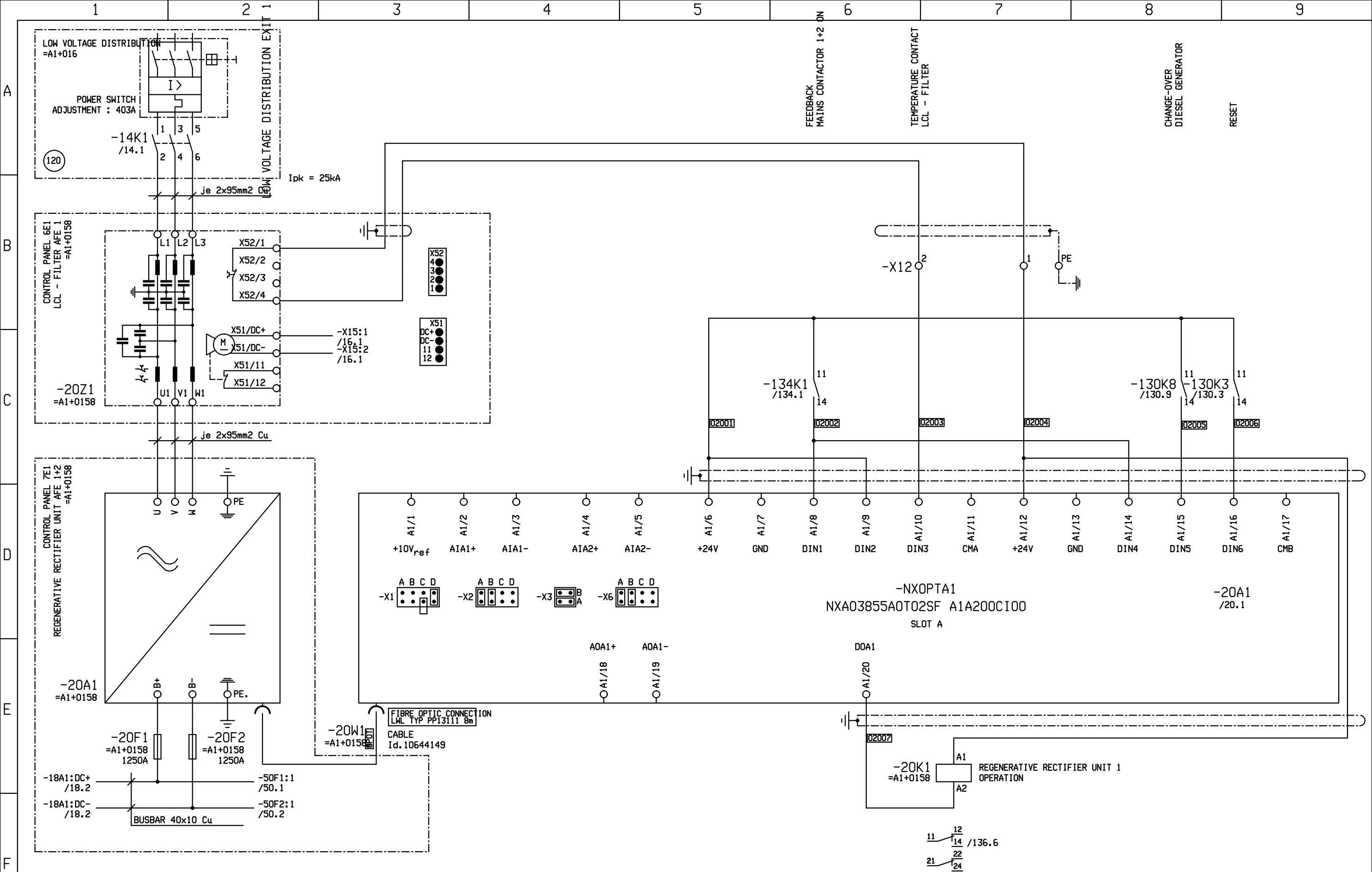
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SUPPLY FAN LCL - FILTER	
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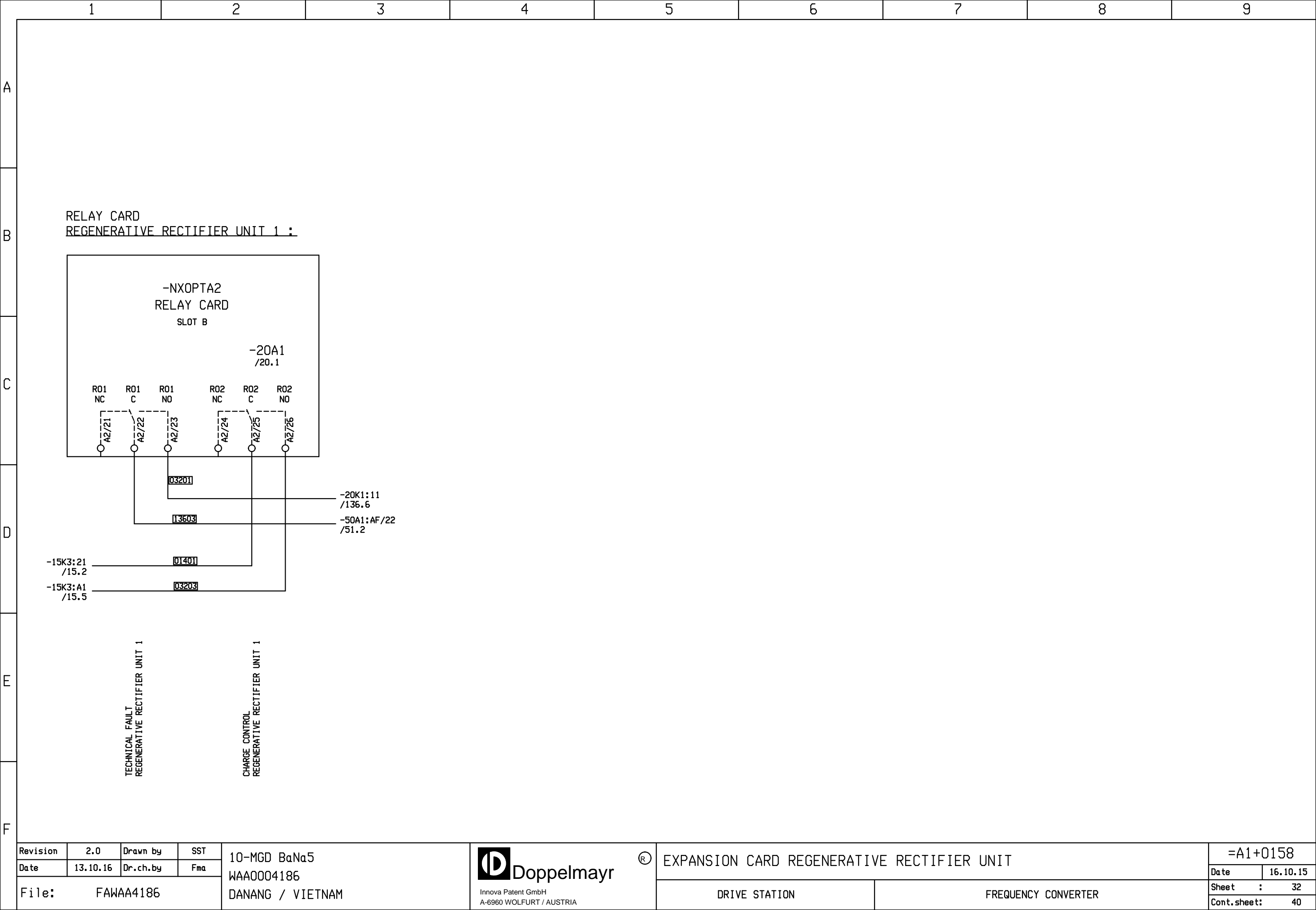
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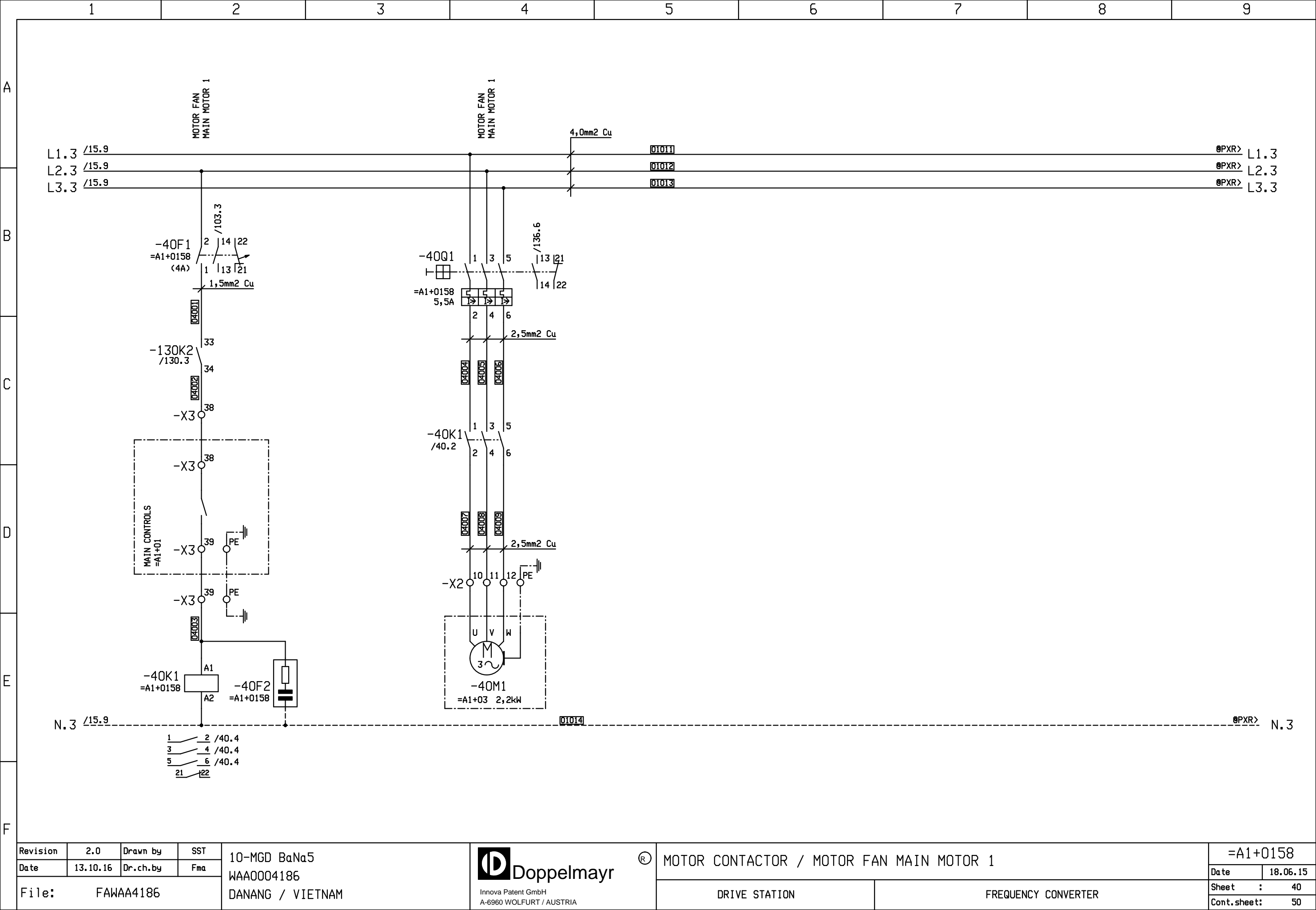


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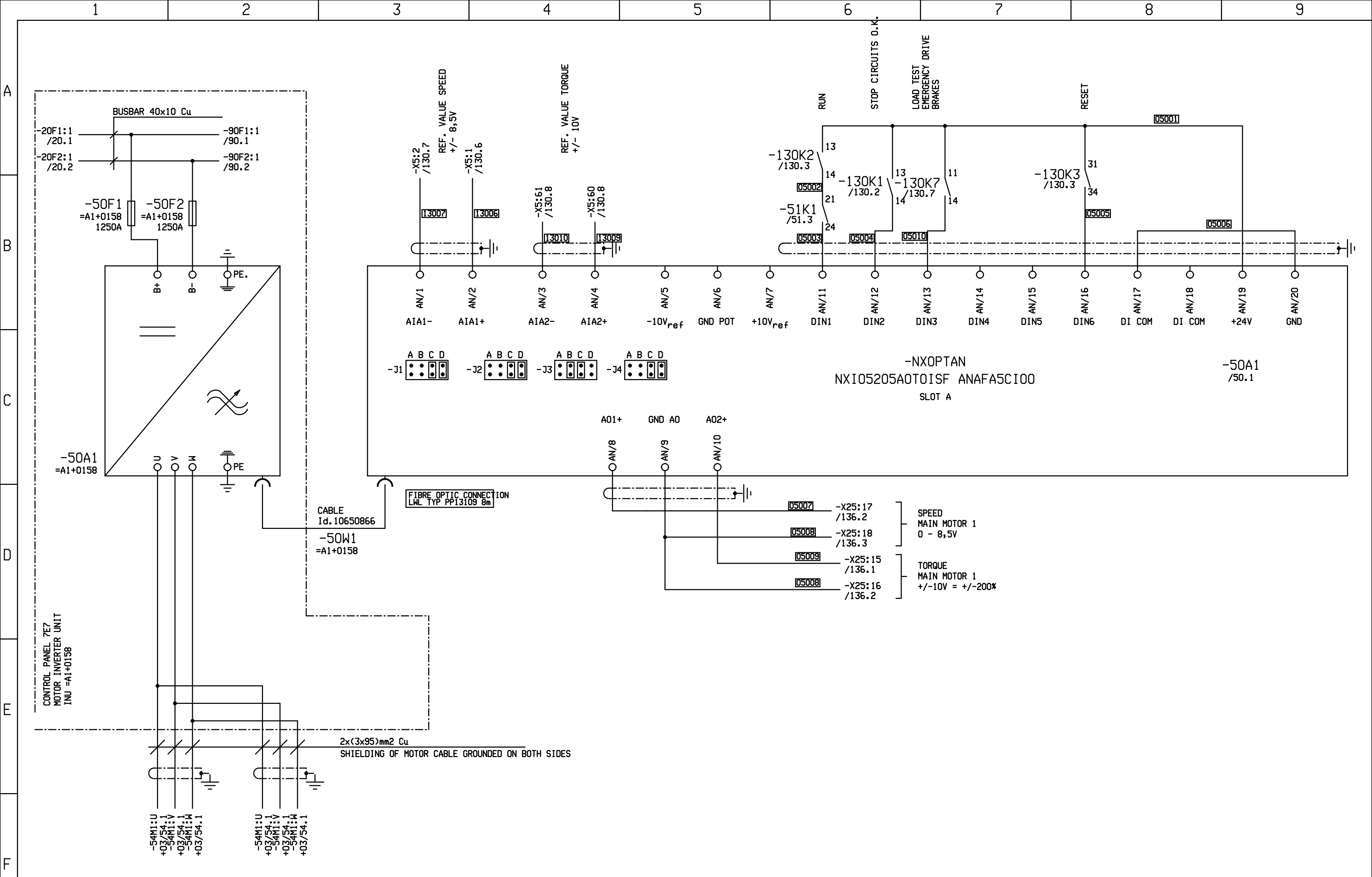


MOTOR CONTACTOR / MOTOR FAN MAIN MOTOR 1

DRIVE STATION

FREQUENCY CONVERTER

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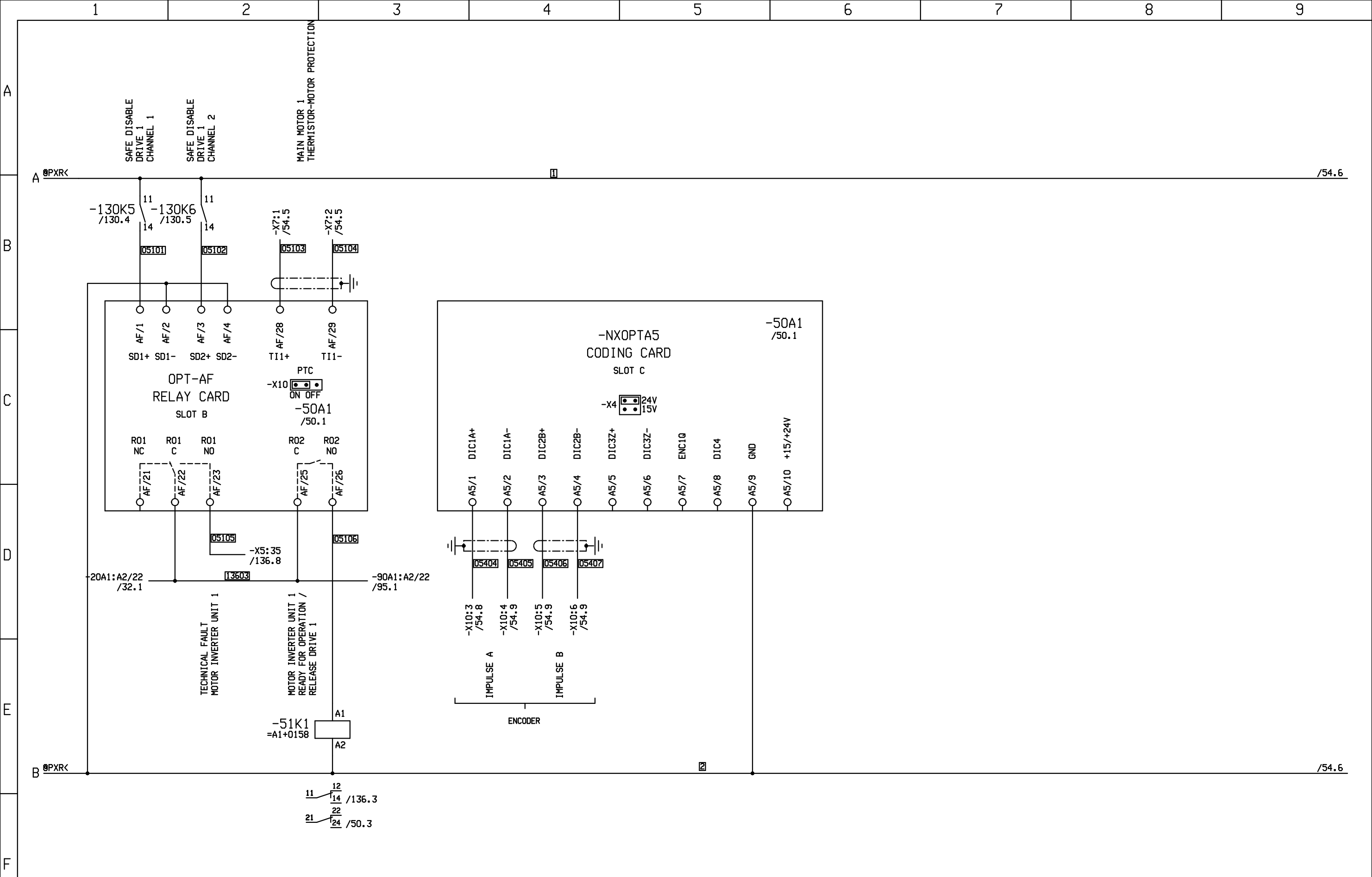
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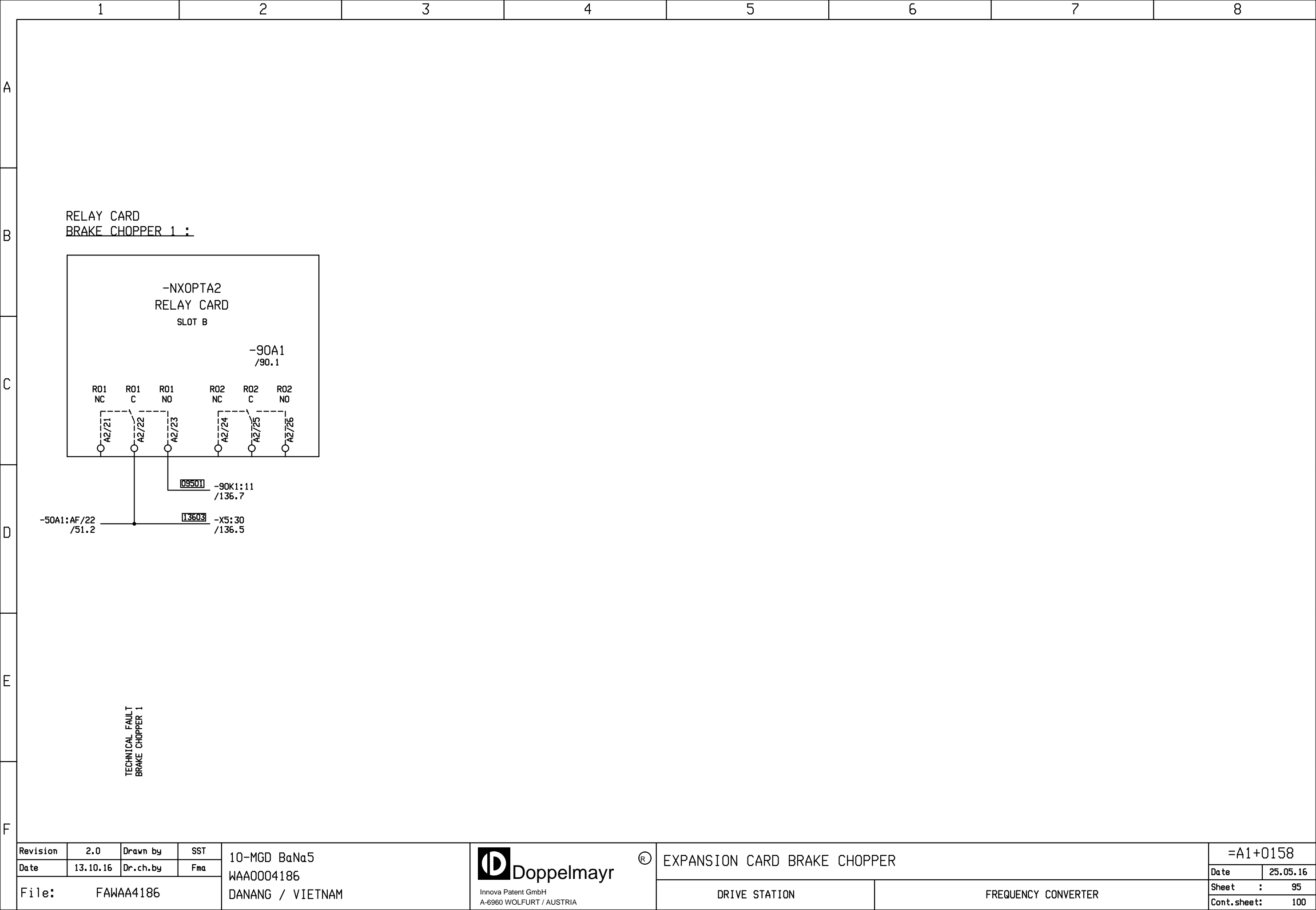
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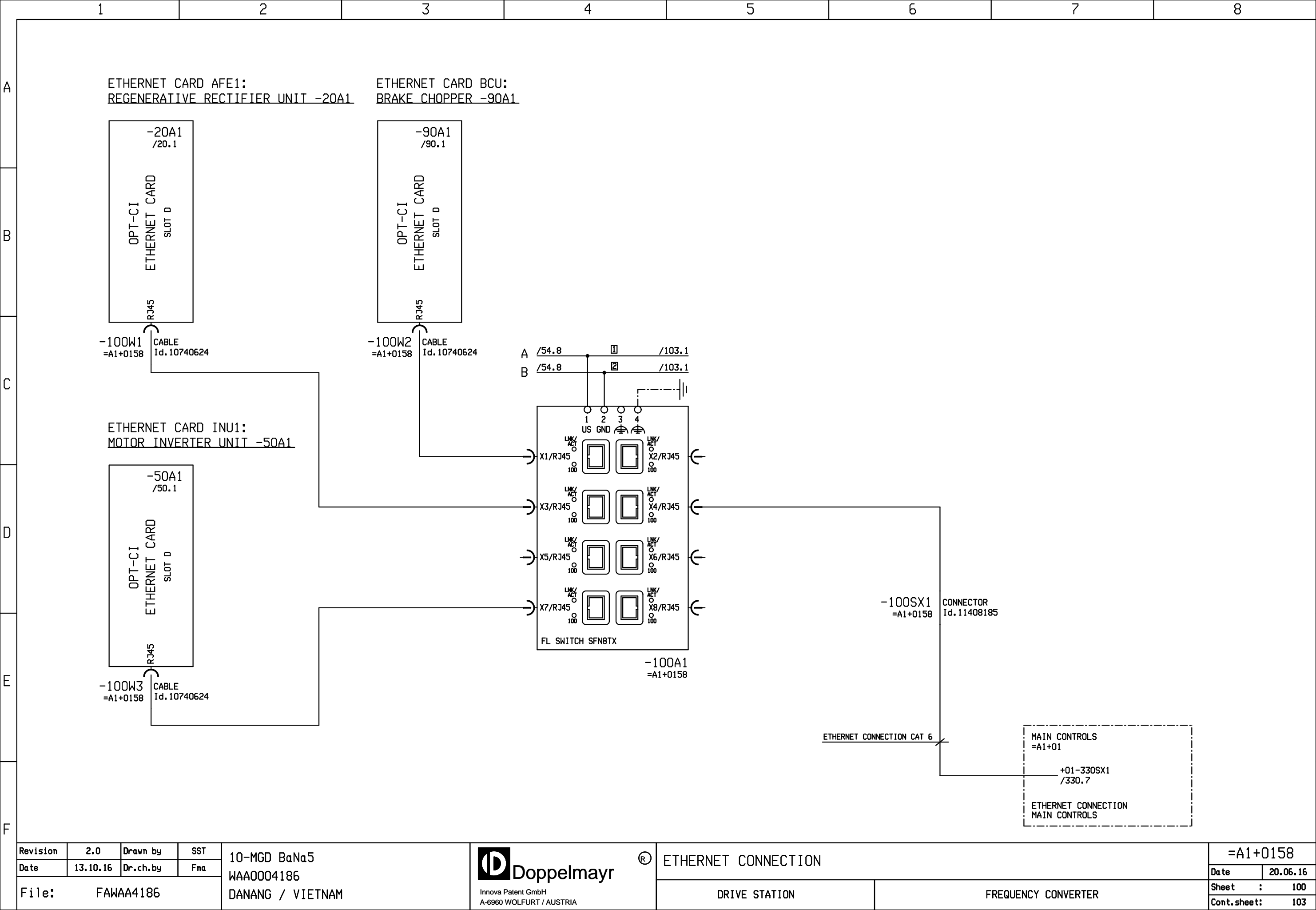
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EXPANSION CARD MOTOR INVERTER UNIT 1		=A1+0158	
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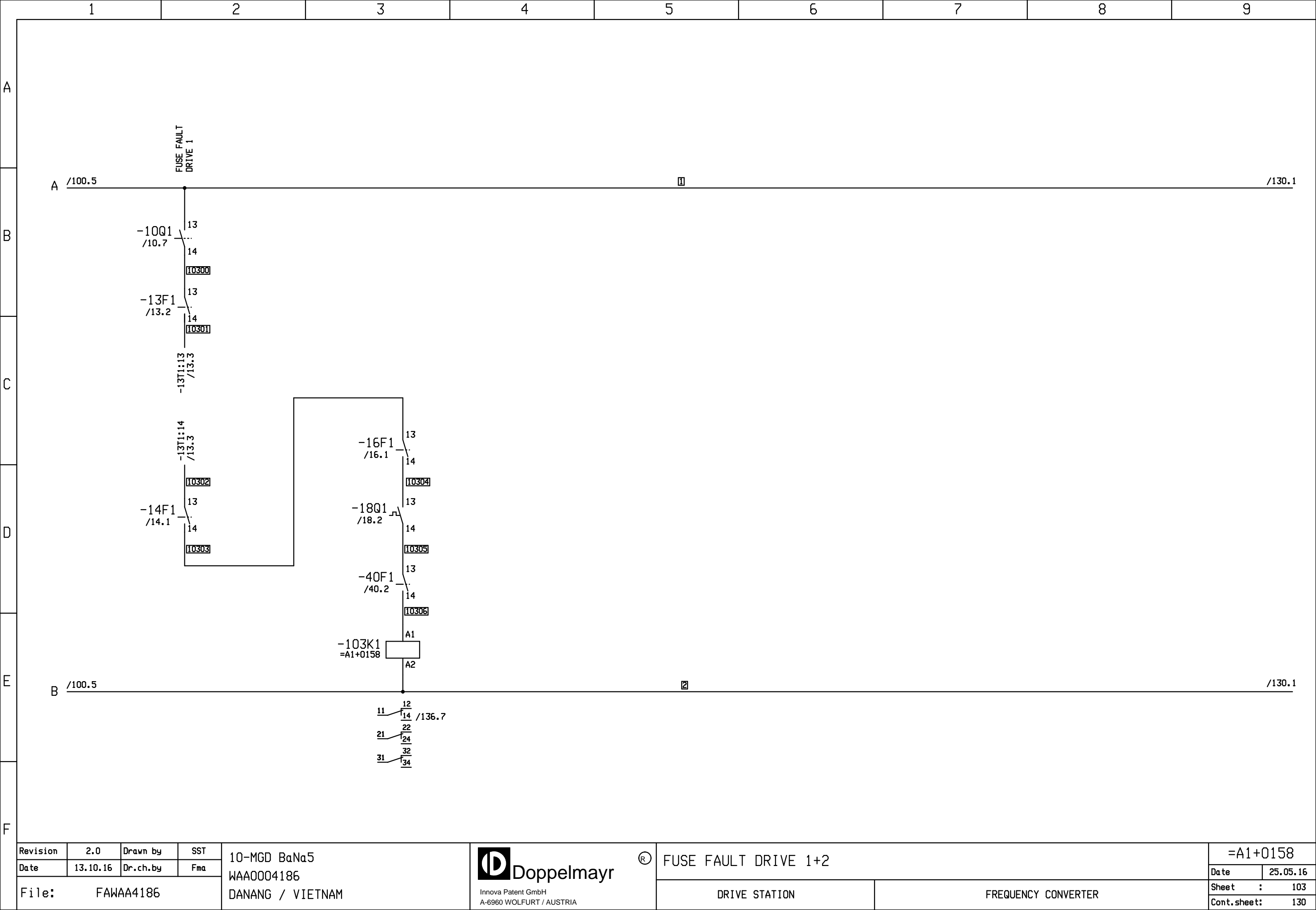


ETHERNET CONNECTION

DRIVE STATION

FREQUENCY CONVERTER

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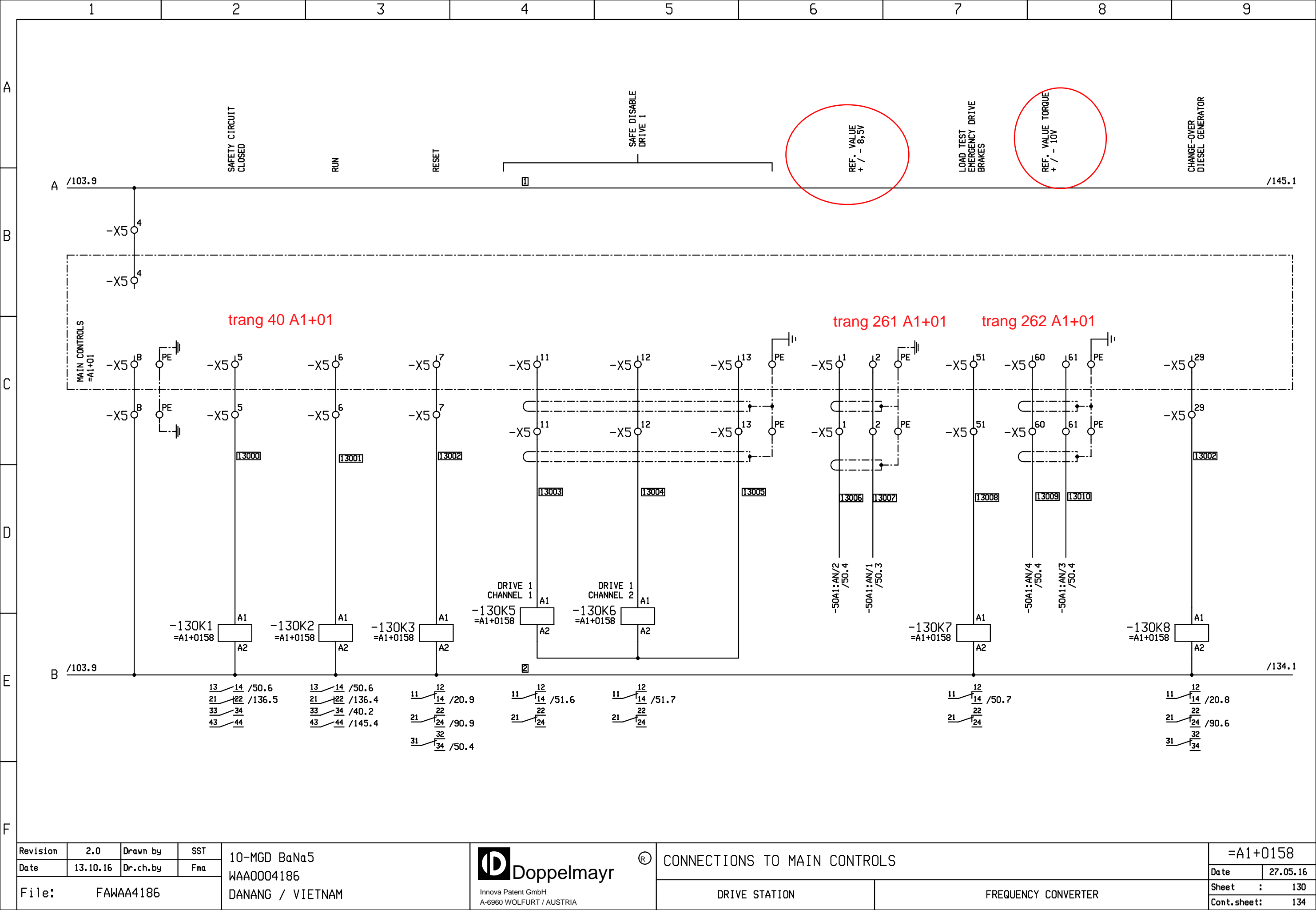
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FUSE FAULT DRIVE 1+2

DRIVE STATION	FREQUENCY CONVERTER
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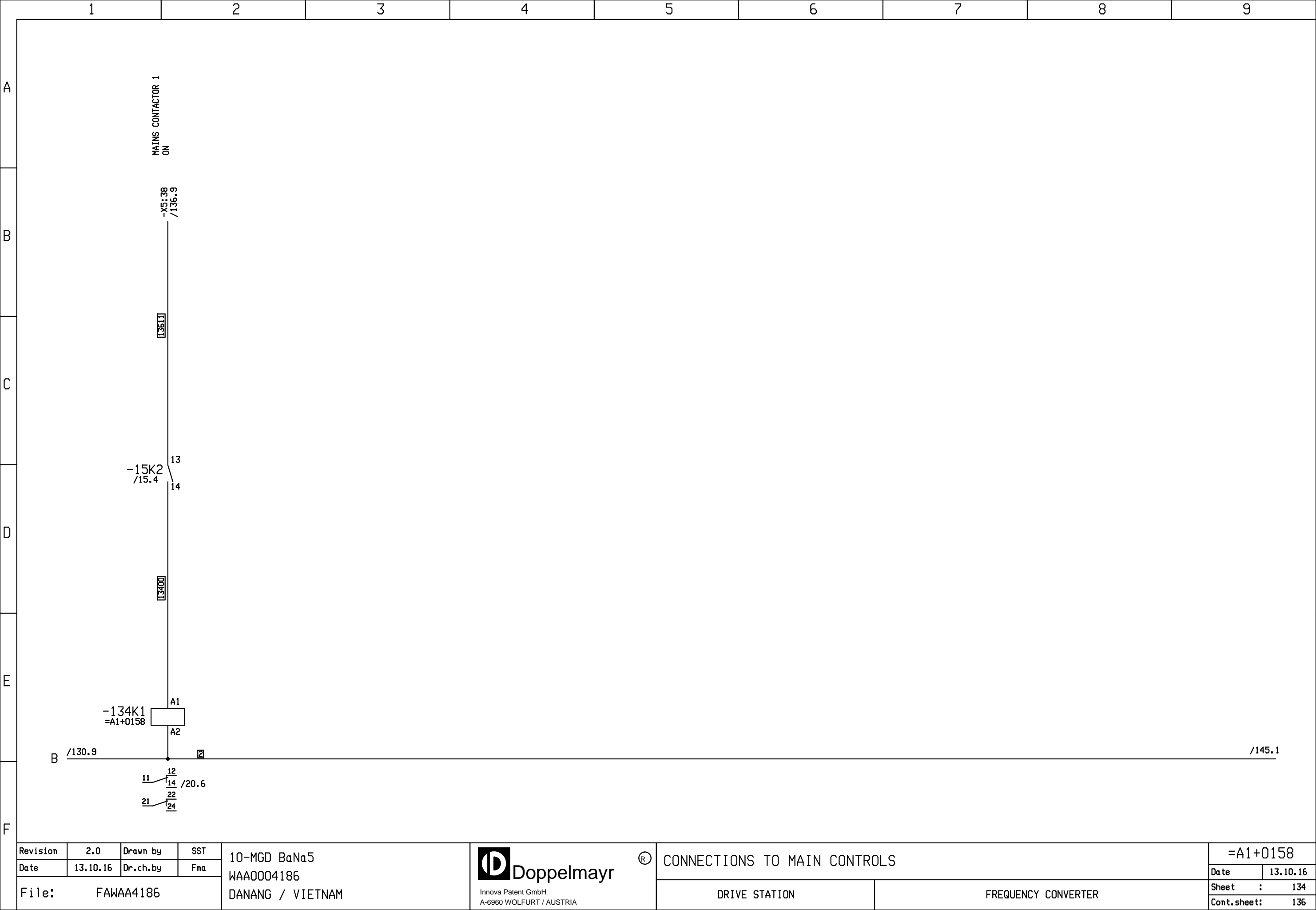
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DANANG / VIETNAM



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CONNECTIONS TO MAIN CONTROLS	
DRIVE STATION	FREQUENCY CONVERTER

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Date	13.10.16	Dr.ch.by	Fma

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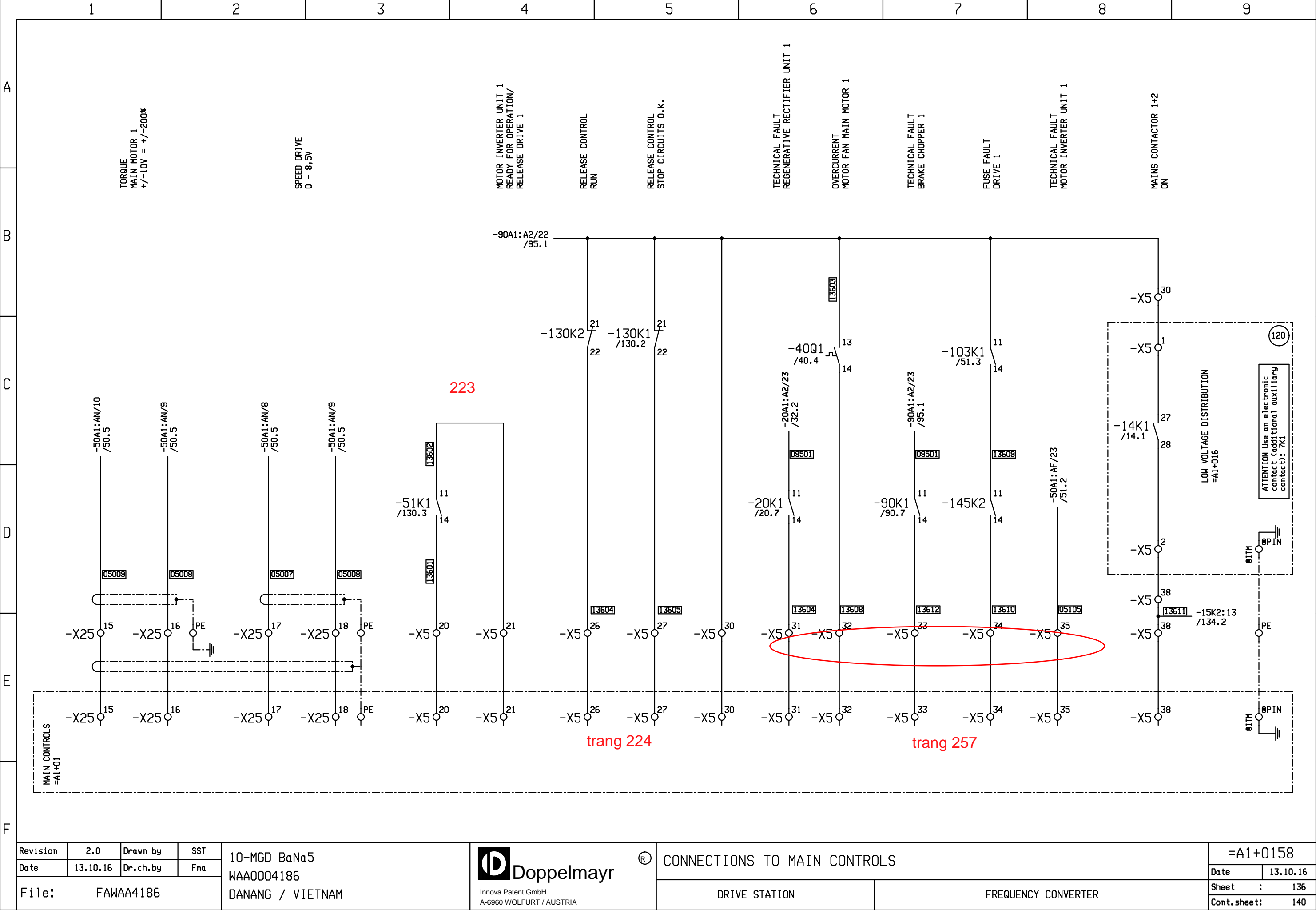
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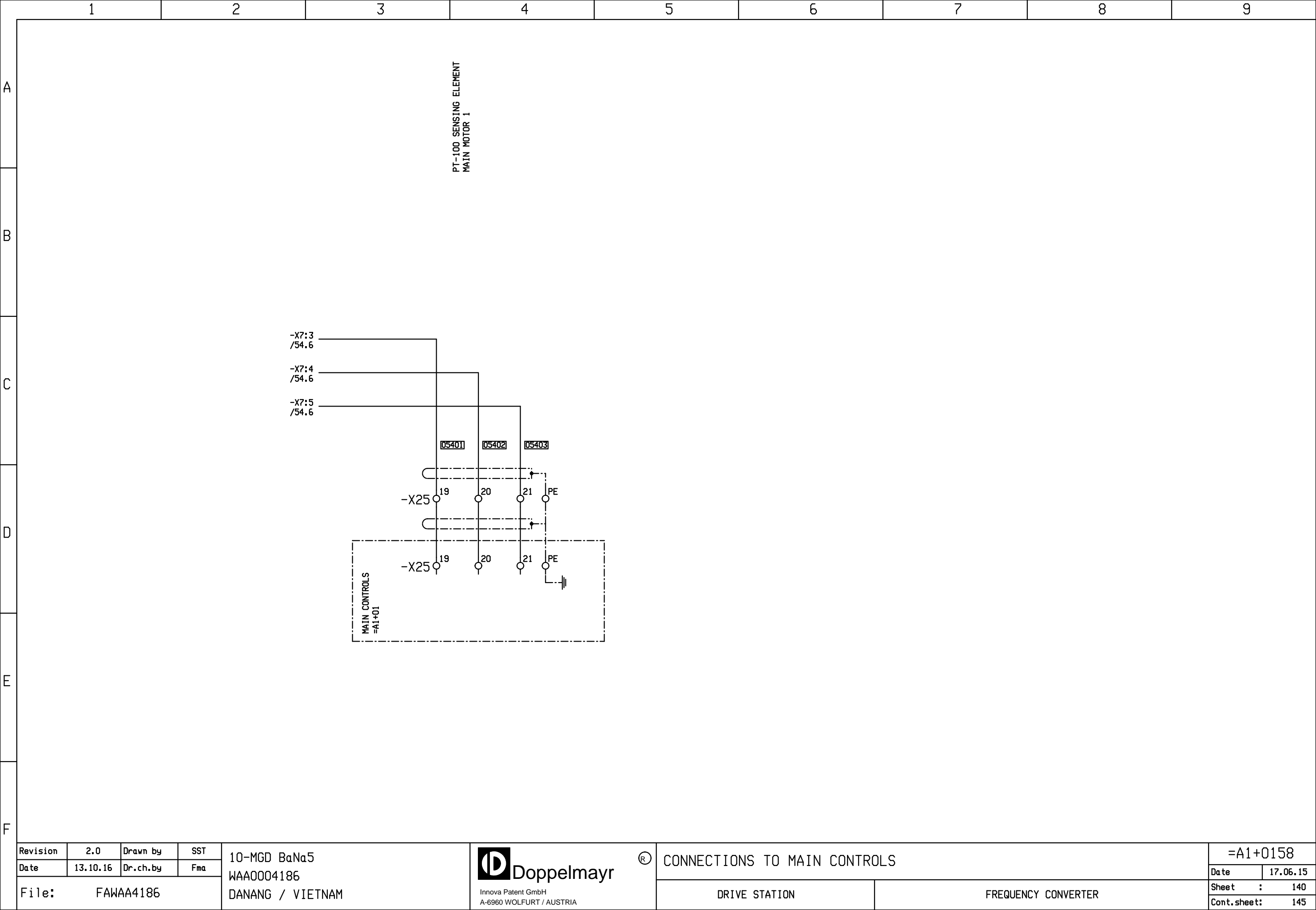
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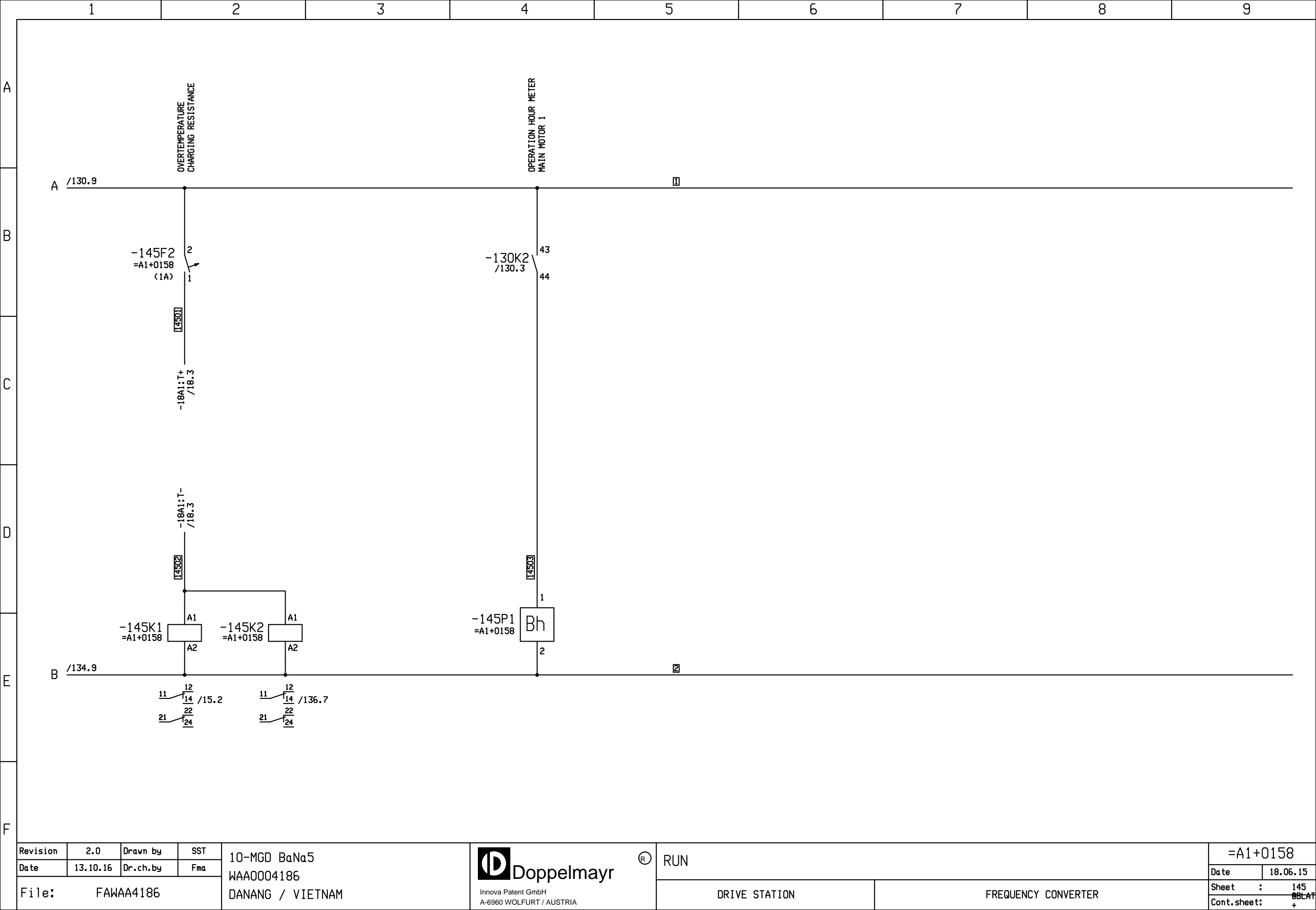
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Revision	2.0	Drawn by	SST
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