SHEET	SHEET REV	SHEET DATE	TITLE
10	D	23/02/2017	GROUNDING DIAGRAM
11			CABLE SHEET
12	D	23/02/2017	CABLE SHEET
13			CABLE SHEET
15			DIN 47100 STANDARD
16			ABB ACS550 TECHNICAL DATA
17			ABB ACS580 TECHNICAL DATA
18			VACON 100 TECHNICAL DATA
20			LAYOUT, +CC100
21	C	16/02/2017	LAYOUT, +CC100
22			LAYOUT, +CC100 HOLE CUTTINGS
23	B	21/12/2016	PLATE SHEET
50			TERMINAL PLAN
51			TERMINAL PLAN
52			TERMINAL PLAN
53			TERMINAL PLAN
54			TERMINAL PLAN
55			TERMINAL PLAN
56			TERMINAL PLAN
57			TERMINAL PLAN
58			TERMINAL PLAN
59			TERMINAL PLAN
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61			TERMINAL PLAN
62			TERMINAL PLAN
63			TERMINAL PLAN
64			TERMINAL PLAN
65			TERMINAL PLAN
67			TERMINAL PLAN
68			TERMINAL PLAN
69			TERMINAL PLAN
100	B	21/12/2016	CIRCUIT DIAGRAM, POWER SUPPLY
101			CIRCUIT DIAGRAM, LMV 52
102			CIRCUIT DIAGRAM, MOTOR, FREQUENCY CONVERTER
103	C	16/02/2017	CIRCUIT DIAGRAM, MOTOR, DIRECT START
104			CIRCUIT DIAGRAM, FREQUENCY CONVERTER
105			CIRCUIT DIAGRAM, CONTROL VOLTAGE, SAFETY LOOP
106	C	16/02/2017	CIRCUIT DIAGRAM, SIGNAL LAMPS
107			CIRCUIT DIAGRAM, START CONTROL CIRCUIT
108			CIRCUIT DIAGRAM, OPERATOR PANEL
109	D	23/02/2017	CIRCUIT DIAGRAM, FLAME DETECTOR
110			CIRCUIT DIAGRAM, GAS VALVE LEAKGE TEST
111			CIRCUIT DIAGRAM, GAS VALVE
112			CIRCUIT DIAGRAM, SERVOMOTOR
113			CIRCUIT DIAGRAM, OXYGEN MODULE, OXYGEN PROBE
114			CIRCUIT DIAGRAM, PRESSURE TRANSMITTER
115			CIRCUIT DIAGRAM, EXTERNAL SETPOINT, ACTUAL VALUE
116	C	16/02/2017	CIRCUIT DIAGRAM, CUSTOMER SYSTEM
600			CABLE SHEET
601			CABLE SHEET
602			CABLE SHEET
603			CABLE SHEET
604			CABLE SHEET
605			CABLE SHEET
606			CABLE SHEET
607			CABLE SHEET
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611			CABLE SHEET
612			CABLE SHEET
613			CABLE SHEET
614			CABLE SHEET
615			CABLE SHEET

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE SHEET LIST ELECTRIC

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 1 / 98

SHEET	SHEET REV	SHEET DATE	TITLE
616			CABLE SHEET
617			CABLE SHEET
618			CABLE SHEET
619			CABLE SHEET
620			CABLE SHEET
621			CABLE SHEET
622			CABLE SHEET
623			CABLE SHEET
624			CABLE SHEET
625			CABLE SHEET
626			CABLE SHEET
627			CABLE SHEET
628			CABLE SHEET
629			CABLE SHEET
630			CABLE SHEET
631			CABLE SHEET
632			CABLE SHEET
633			CABLE SHEET
634			CABLE SHEET
635			CABLE SHEET
636			CABLE SHEET
637			CABLE SHEET
638			CABLE SHEET
639			CABLE SHEET
640			CABLE SHEET
641			CABLE SHEET
642			CABLE SHEET
643			CABLE SHEET
644			CABLE SHEET
645			CABLE SHEET
900			PART LIST ELECTRIC
901			PART LIST ELECTRIC

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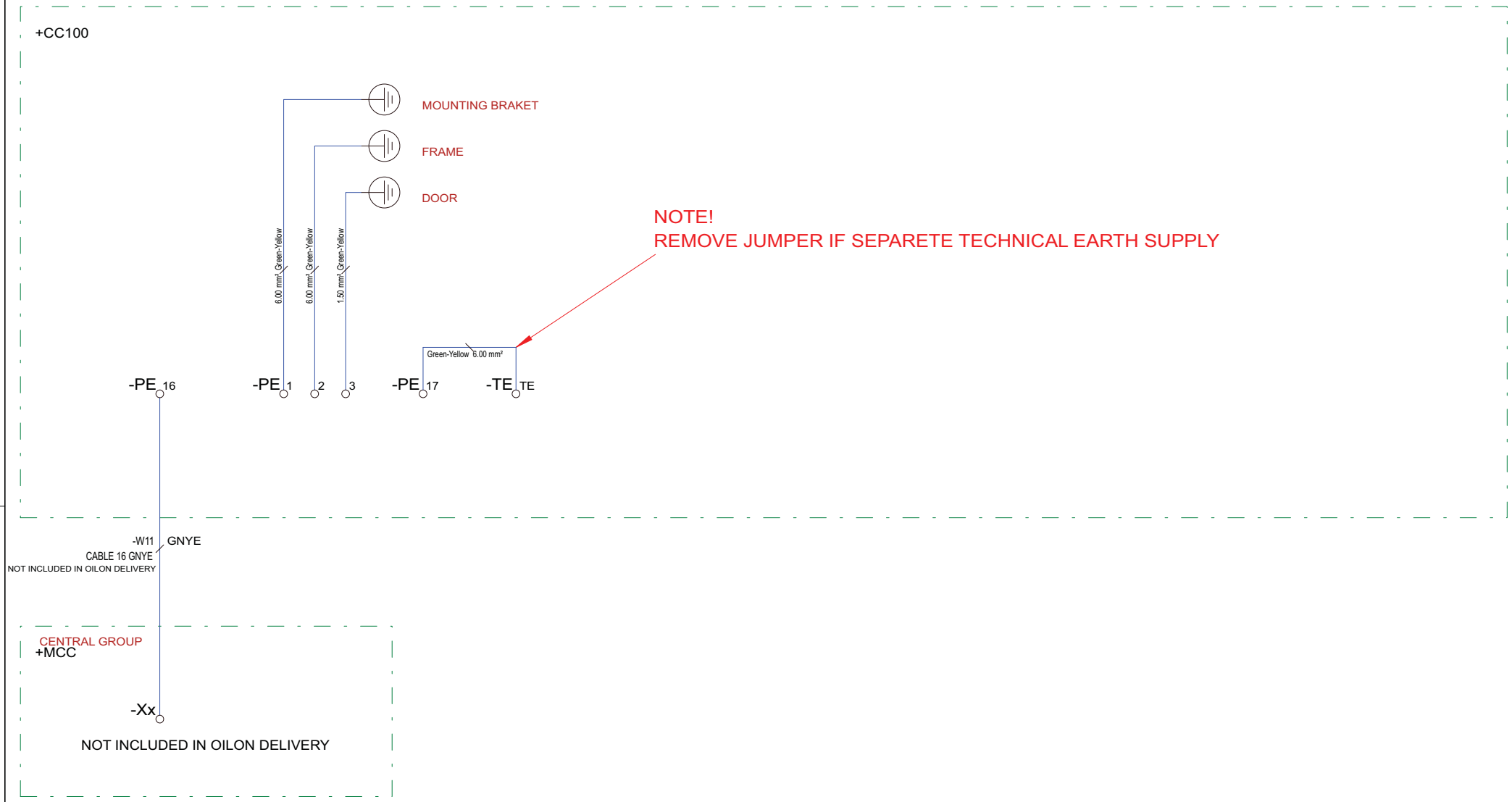
SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED jarola
CUSTOMER
PROJECT E3P000423
MARK

oilon®

TITLE SHEET LIST ELECTRIC
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 2 / 98



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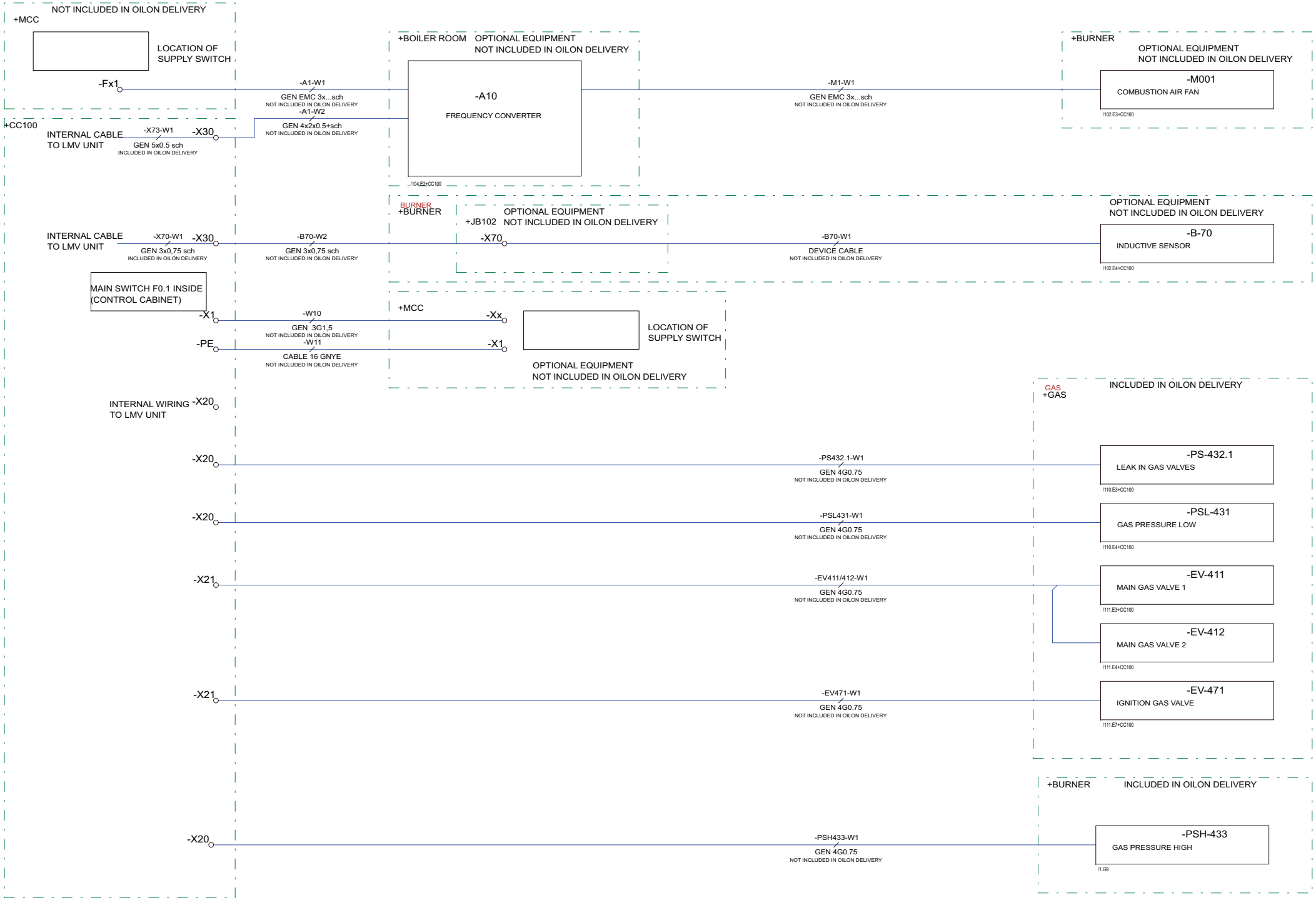
SHEET REV.	CHANGE	DATE	NAME
D	TE->PE 16mm GN-YE ->6mm	23/02/2017	mpo

DATE	13/12/2016
NAME	jylostalo
APPROVED	jarola
CUSTOMER	
PROJECT	E3P000423
MARK	

oilon®

TITLE	GROUNDING DIAGRAM
PRODUCT	GP-140...450 M, LN80
E3. PROJECT NO.	E3P000423
DOC. ID	EL000423
DRW. REV.	D
	=B1
SHEET	10 / 98



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SHEET REV.	CHANGE	DATE	NAME		
				DATE 13/12/2016	CUSTOMER
				NAME jylostalo	PROJECT E3P000423
				APPROVED jarola	MARK

oilon

TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

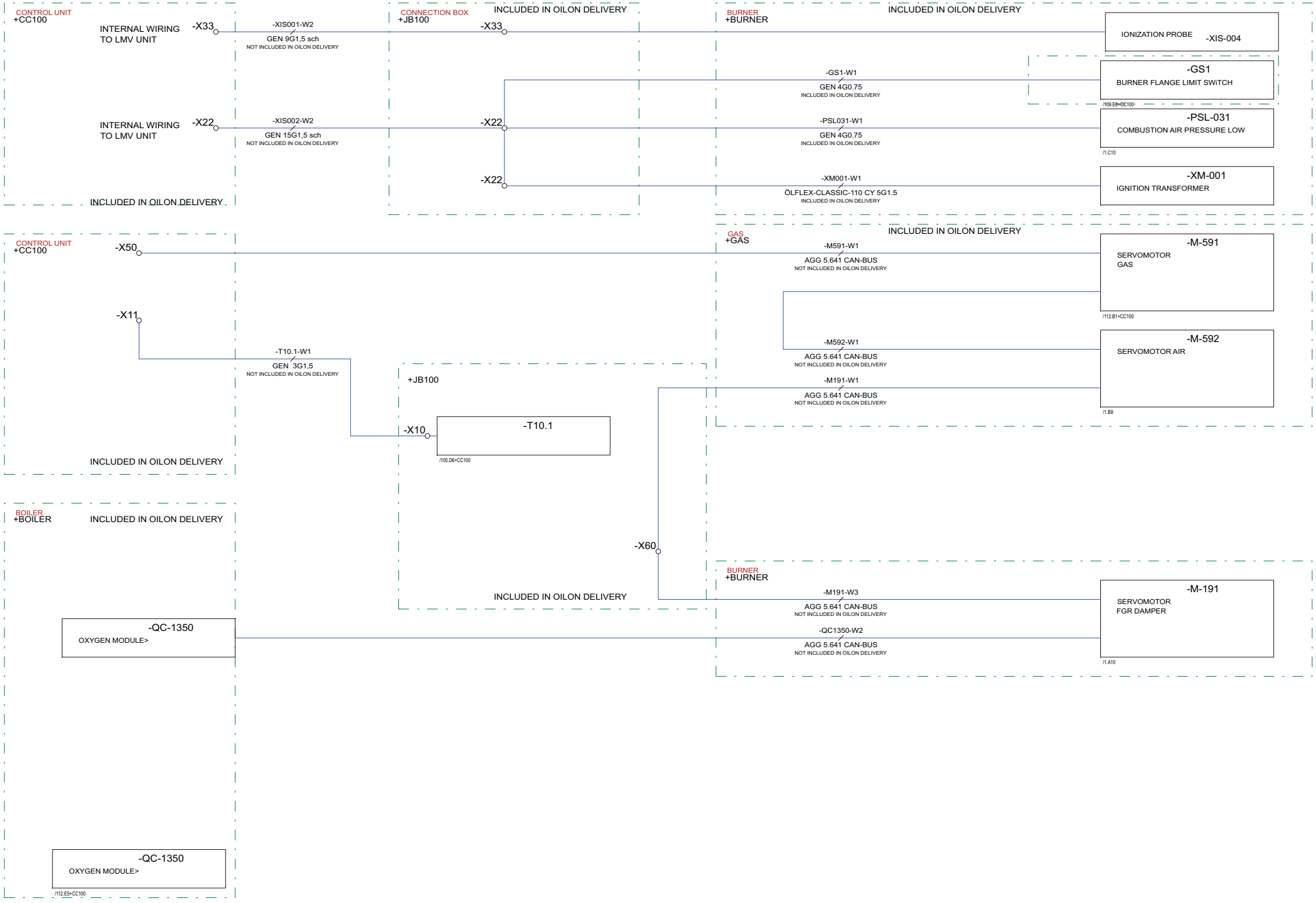
E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

=B1

SHEET 11 / 98



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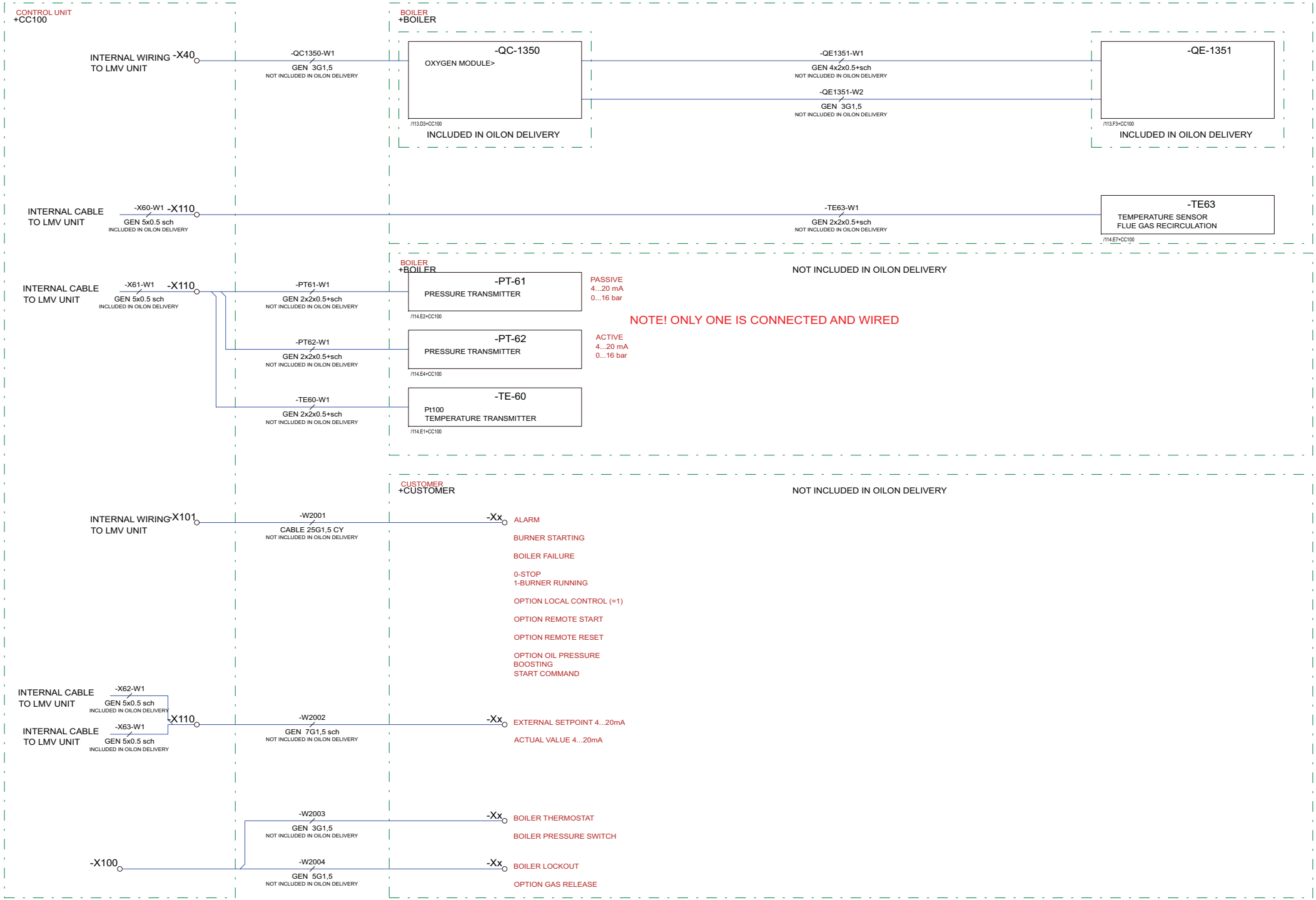
SHEET REV.	CHANGE	DATE	NAME
D	ADDED OPTION -GS1	23/02/2017	mpo

DATE 13/12/2016
NAME jylostalo
APPROVED jarola
CUSTOMER
PROJECT E3P000423
MARK

oilon

TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
=B1
SHEET 12 / 98



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SHEET REV.	CHANGE	DATE	NAME	DATE 13/12/2016	CUSTOMER
				NAME jylostalo	PROJECT E3P000423
				APPROVED jarola	MARK

oilon

TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

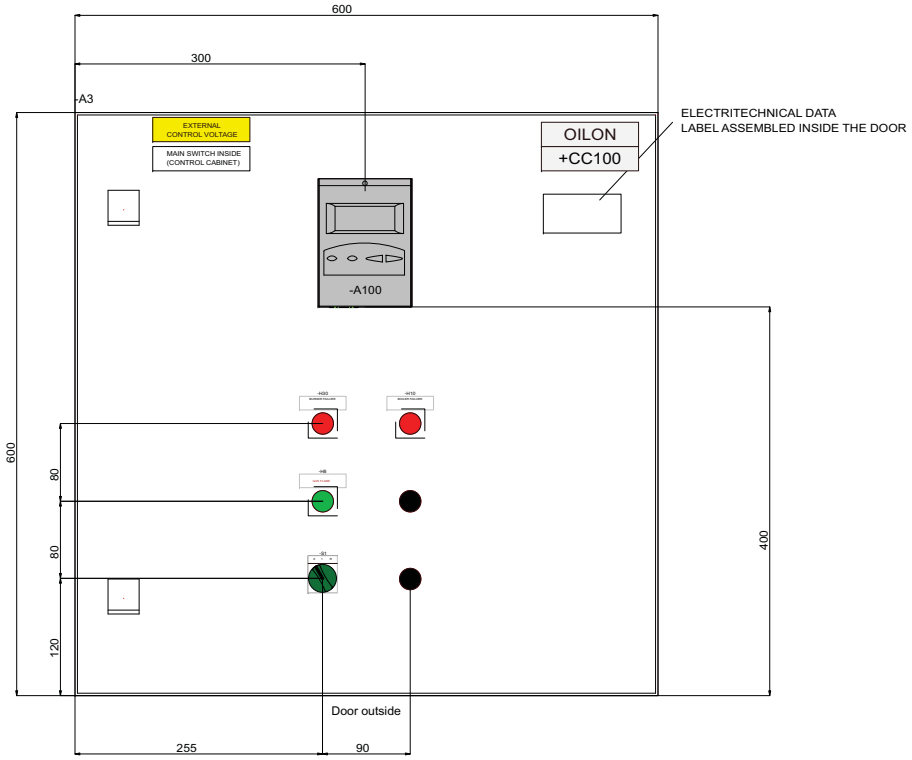
DOC. ID EL000423

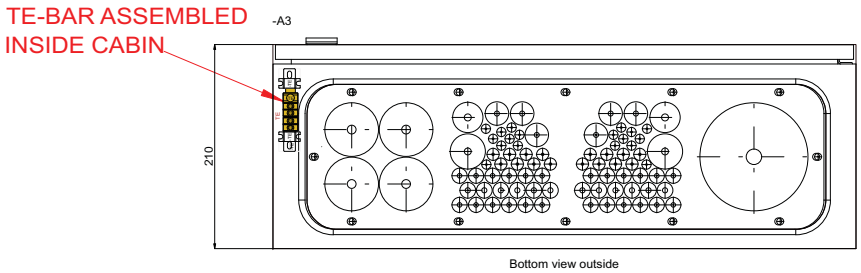
=B1

SHEET 13 / 98

STANDARDS	EN61439-1:2013/61439-2:2013
RATED CURRENT OF THE ASSEMBLY	InA: 6A
RATED VOLTAGE	Un: 230 V
RATED FREQUENCY	50Hz
DEGREE OF PROTECTION	IP42
Distribution system	TN-S
PROTECT AGAINST ELECTRIC SHOCK	I
RATED SHORT-TIME WITHSTAND CURRENT	Icw: <10kA. 1s
EMC-ENVIRONMENT	A+B
RATED OPERATIONAL VOLTAGE	Ue=Un
RATED IMPULSE WITHSTAND VOLTAGE	≥ 4kV
RATED INSULATION VOLTAGE	Ui ≥ Un
RATED CURRENT OF A CIRCUIT	Inc = Ina
RATED PEAK WITHSTAND CURRENT	Ipk = 1.2x√2x10≈17kA
WEIGHT	app. 30kg
SINGLE COMPARTMENT ASSEMBLY	SHAPE 1
MINIMUM CLEARANCES IN AIR	≥ 3 mm
CREEPAGE DISTANCES	≥ 6.3 mm
POLLUTION DEGREE	3

Tyyppi Type	+CC100 / GP-140...450 M, LN80		
Piir. nro Drwg. No	EL000423	Valm. nro Manuf. No	
Un	230 V	InA	6 A
fn	50 Hz	Kot. luokka Encl. class	IP42
Oilon PL 5 15801 Lahti, Finland		EN 61439-2	CE





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SHEET REV.	CHANGE	DATE	NAME	DATE 13/12/2016	CUSTOMER	TITLE LAYOUT +CC100	E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
				NAME jylostalo	PROJECT E3P000423				+CC100
				APPROVED jarola	MARK	PRODUCT GP-140...450 M, LN80	DOC. ID EL000423		SHEET 20 / 98

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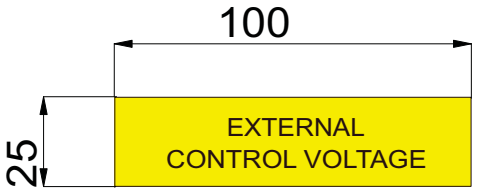
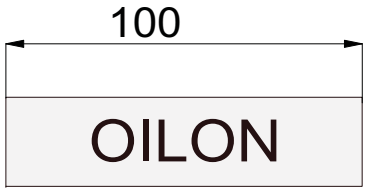


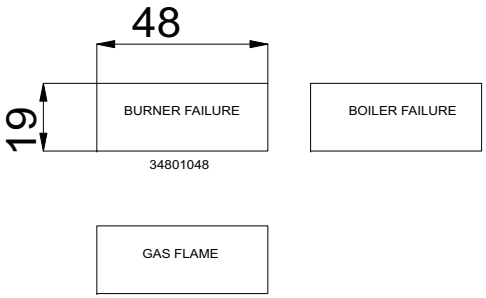
YELLOW PLATE
BLACK TEXT



WHITE PLATE
BLACK TEXT

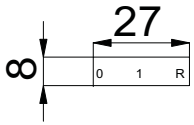
MAIN SWITCH INSIDE
(CONTROL CABINET)

WHITE PLATE
BLACK TEXT



WHITE PLATE
BLACK TEXT

WHITE PLATE
BLACK TEXT



ITEM CODE
37179223

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SHEET REV.	CHANGE	DATE	NAME
B	EL.TECH.DATA LABEL REMOVED	21/12/2016	mpo

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
PRODUCT
PLATE SHEET
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DOC. ID EL000423
DRW. REV. D
=B1
SHEET 23 / 98

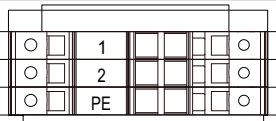
TERMINAL STRIP

=B1

+CC100

-X1

MANUFACTURER TYPE		ITEM	REFERENCE
2002-1291		36644155	
2002-1201	1	36644152	/100.B1
2002-1204	2	36644153	/100.B1
2002-1207	PE	36644154	/100.B2
249-117	|	36644186	



Terminal Item		
	terminal	36644152 [1]
	terminal	36644153 [2]
	terminal	36644186 [|]
	terminal	36644155 [|]
	terminal	36644154 [PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 50 / 98

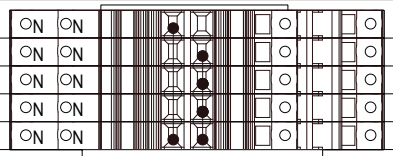
TERMINAL STRIP

=B1

+CC100

-X2

MANUFACTURER TYPE		ITEM	REFERENCE	
2002-2209		36644161	/106.D8	/109.C5
2002-2209		36644161	/100.C7	
2002-2209		36644161	/100.C5	/105.B2
2002-2209		36644161	/100.C4	/105.B1
2002-2209		36644161	/106.D2	/105.B2
249-117		36644186		



Terminal Item

terminal	36644161 [N - N]
terminal	36644186 [|]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

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TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 51 / 98

TERMINAL STRIP

MANUFACTURER TYPE	ITEM	REFERENCE	
2002-2208	36644160	/100.C1	/106.B2

=B1

+CC100

-X3

Terminal Item		
	terminal	36644160 [1 - 2]
	terminal	
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	
E3P000423	D	=B1
DOC. ID		+CC100
EL000423		SHEET 52 / 98

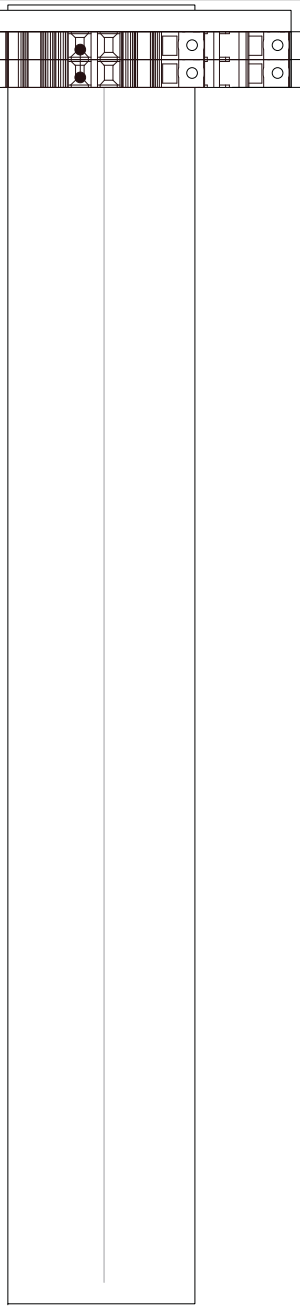
TERMINAL STRIP

=B1

+CC100

-X11

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2291			36644162		
2002-2201	○1	○2	36644158	/100.C6	/100.C5
2002-2201	○3	○4	36644158	/100.C8	/100.C7



Terminal Item

terminal	36644158 [1 - 4]
terminal	36644162 [|]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 53 / 98

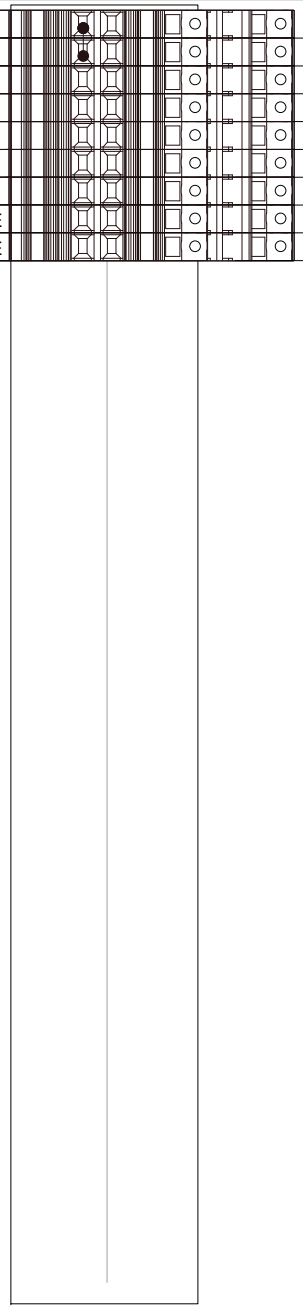
TERMINAL STRIP

=B1

+CC100

-X20

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2208	L	L	36644160	/110.C3	/110.C4
2002-2208	L	L	36644160		/110.C6
2002-2201	1	2	36644158	/110.C3	/110.C3
2002-2201	3	4	36644158	/110.C2	/110.C1
2002-2201	5	6	36644158	/110.C2	/110.C4
2002-2201	7	8	36644158	/110.C4	/110.C6
2002-2201	9	10	36644158	/110.C6	
2002-2207	PE	PE	36644159	/110.C2	/110.C3
2002-2207	PE	PE	36644159	/110.C5	/110.C6



Terminal Item

terminal	36644158 [1 - 10]
terminal	36644160 [L - L]
terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

=B1

+CC100

SHEET 54 / 98

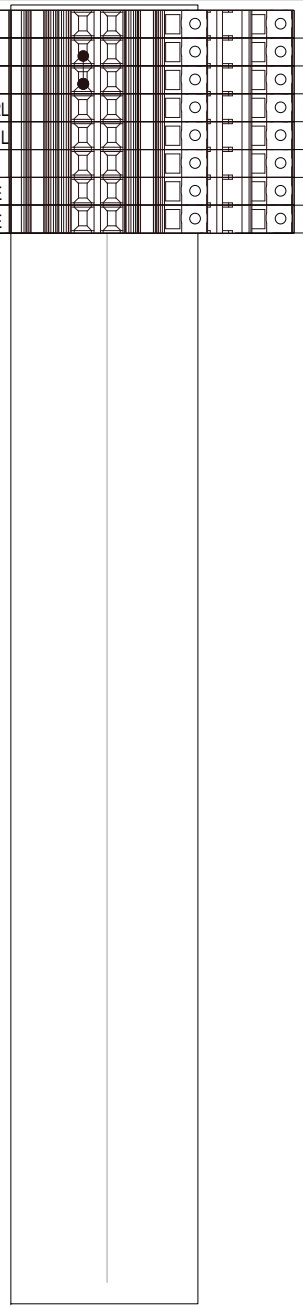
TERMINAL STRIP

=B1

+CC100

-X21

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2208	N	N	36644160	/111.C8	
2002-2208	N	N	36644160	/111.C7	
2002-2208	N	N	36644160	/111.C3	/111.C5
2002-2208	V2L	V2L	36644160	/111.C3	/111.C6
2002-2208	V1L	V1L	36644160	/111.C3	/111.C5
2002-2201	1	2	36644158	/111.C8	
2002-2207	PE	PE	36644159	/111.C8	/111.C6
2002-2207	PE	PE	36644159	/111.C3	/111.C6



Terminal Item		
	terminal	36644158 [1 - 2]
	terminal	36644160 [N - V2L]
	terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	
E3P000423	D	=B1
DOC. ID EL000423		+CC100
		SHEET 55 / 98

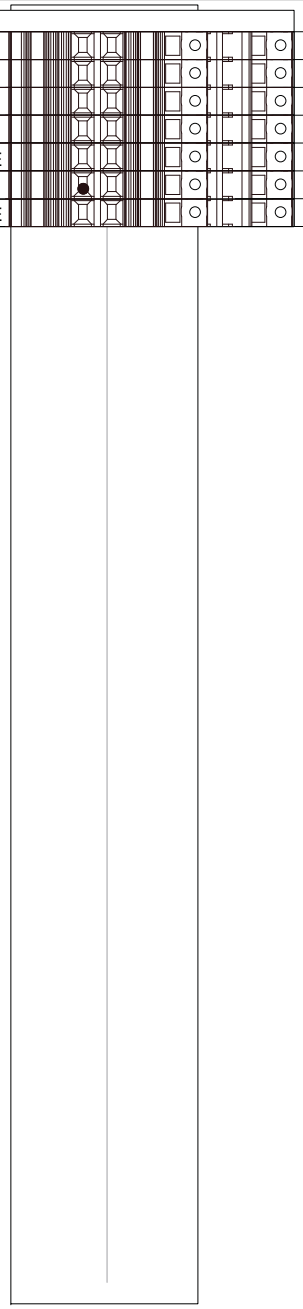
TERMINAL STRIP

=B1

+CC100

-X22

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2291			36644162		
2002-2201	○1	○2	36644158	/109.C6	/109.C5
2002-2201	○3	○4	36644158	/109.C6	/109.C5
2002-2201	○5	○6	36644158	/109.C6	/109.C7
2002-2201	○7	○8	36644158	/109.C4	/109.C4
2002-2208	○TE	○TE	36644160	/109.C8	/109.C7
2002-2201	○9	○10	36644158	/109.C8	/109.C8
2002-2207	○PE	○PE	36644159	/109.C4	/109.C6



Terminal Item

terminal	36644158 [1 - 10]
terminal	36644162 [	]
terminal	36644159 [PE - PE]
terminal	36644160 [TE - TE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 56 / 98

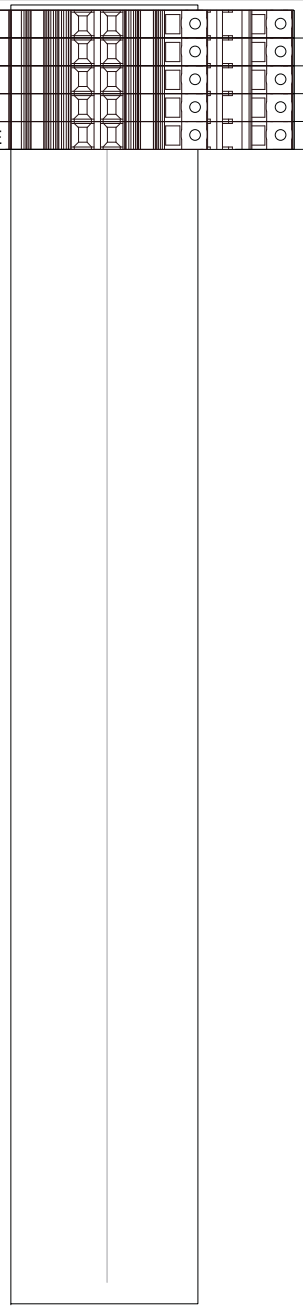
TERMINAL STRIP

=B1

+CC100

-X30

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2201	1	2	36644158	/104.B2	/104.B2
2002-2201	3	4	36644158	/104.B3	/104.B4
2002-2201	5	6	36644158	/104.B4	/102.D4
2002-2201	7	8	36644158	/102.D4	/102.D4
2002-2208	TE	TE	36644160	/102.D5	/104.B4



Terminal Item		
	terminal	36644158 [1 - 8]
	terminal	36644160 [TE - TE]
	terminal	
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	
E3P000423	D	=B1
		+CC100
DOC. ID EL000423		SHEET 57 / 98

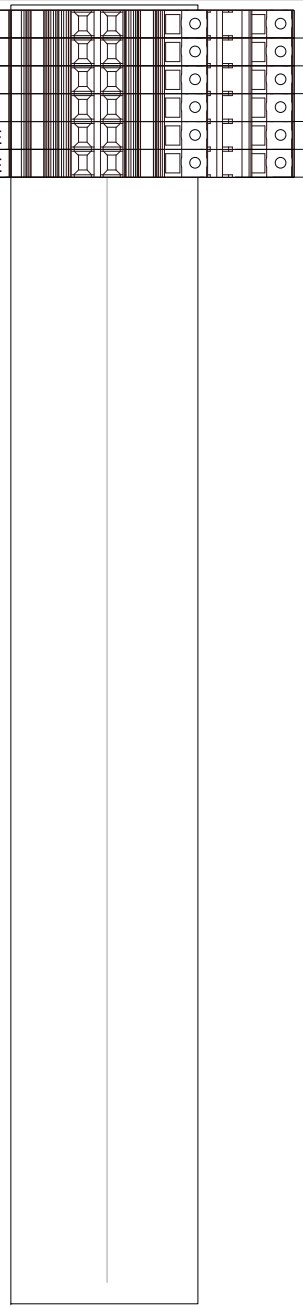
TERMINAL STRIP

=B1

+CC100

-X33

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2201	1	2	36644158	/109.C1	/109.C1
2002-2201	3	4	36644158	/109.C2	/109.C2
2002-2201	5	6	36644158	/109.C2	/109.C2
2002-2201	7	8	36644158	/109.C2	
2002-2208	TE	TE	36644160	/109.C3	/109.C3
2002-2207	PE	PE	36644159	/109.C3	/109.C3



Terminal Item		
	terminal	36644158 [1 - 8]
	terminal	36644159 [PE - PE]
	terminal	36644160 [TE - TE]
	terminal	
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	
E3P000423	D	=B1
		+CC100
DOC. ID EL000423		SHEET 58 / 98

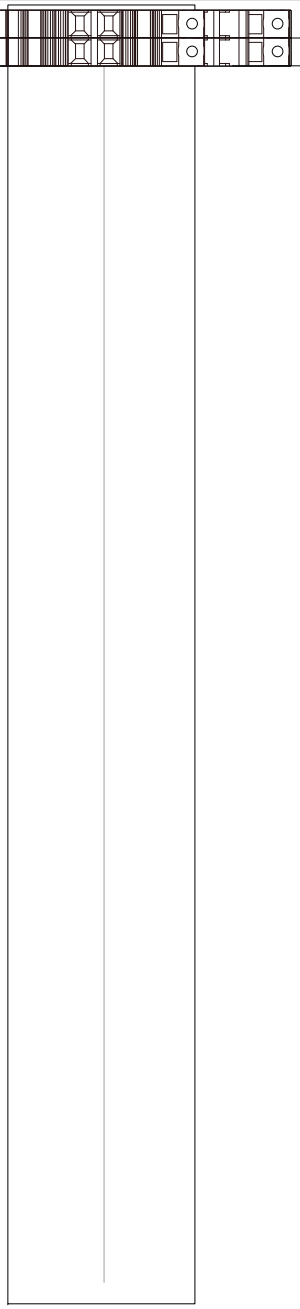
TERMINAL STRIP

=B1

+CC100

-X40

MANUFACTURER TYPE		ITEM	REFERENCE	
2002-2201	○1 ○2	36644158	/113.C2	/113.C2
2002-2207	○PE ○PE	36644159	/113.C2	



Terminal Item		
	terminal	36644158 [1 - 2]
	terminal	36644159 [PE - PE]
	terminal	
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 59 / 98

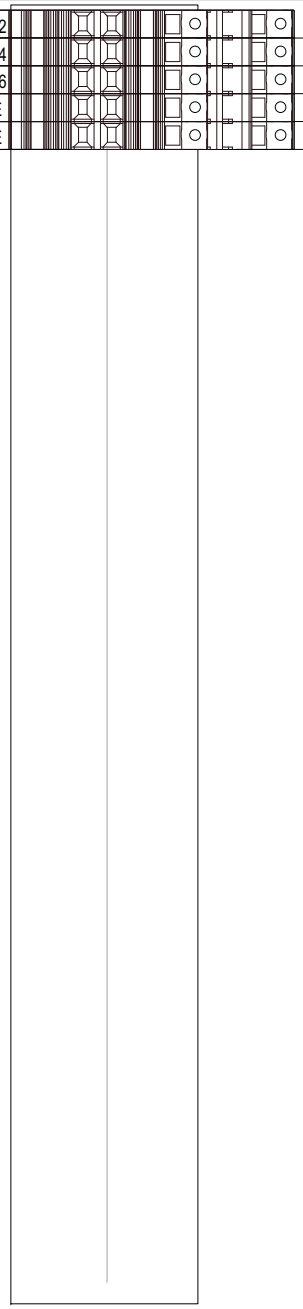
TERMINAL STRIP

=B1

+CC100

-X50

MANUFACTURER TYPE		ITEM	REFERENCE	
2002-2201	○101 ○102	36644158	/112.B1	/112.B2
2002-2201	○103 ○104	36644158	/112.B2	/112.B2
2002-2201	○105 ○106	36644158	/112.B2	
2002-2208	○TE ○TE	36644160	/112.B2	
2002-2208	○TE ○TE	36644160		



Terminal Item		
	terminal	36644158 [101 - 106]
	terminal	36644160 [TE - TE]
	terminal	
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	
E3P000423	D	=B1
		+CC100
DOC. ID EL000423		SHEET 60 / 98

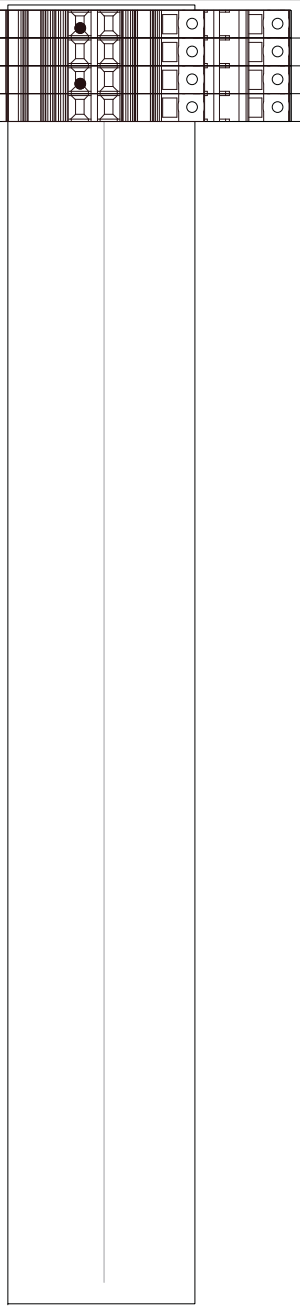
TERMINAL STRIP

=B1

+CC100

-X100

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2201	○1	○2	36644158	/107.D2	/107.D2
2002-2201	○3	○4	36644158	/105.D3	/105.D3
2002-2201	○5	○6	36644158	/105.D4	/105.D5
2002-2207	○PE	○PE	36644159	/105.D4	/107.D3



Terminal Item		
	terminal	36644158 [1 - 6]
	terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	
E3P000423	D	=B1
DOC. ID		+CC100
EL000423		SHEET 61 / 98

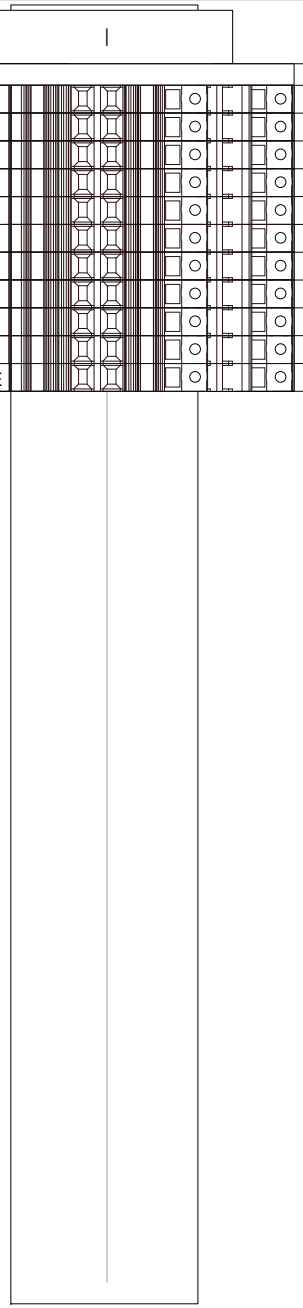
TERMINAL STRIP

=B1

+CC100

-X101

MANUFACTURER TYPE			ITEM	REFERENCE	
249-117			36644186		
2002-2291			36644162		
2002-2201	○1	○2	36644158	/116.C1	/116.C2
2002-2201	○3	○4	36644158	/116.C2	/116.C2
2002-2201	○5	○6	36644158	/116.C2	/116.C3
2002-2201	○7	○8	36644158	/116.C3	/116.C3
2002-2201	○9	○10	36644158	/116.C3	/116.C4
2002-2201	○11	○12	36644158	/116.C4	/116.C5
2002-2201	○13	○14	36644158	/116.C5	/116.C5
2002-2201	○15	○16	36644158	/116.C6	/116.C6
2002-2201	○17	○18	36644158	/116.C6	/116.C7
2002-2201	○19	○20	36644158	/116.C7	/116.C7
2002-2207	○PE	○PE	36644159	/116.C8	/116.C8



Terminal Item

terminal	36644158 [1 - 20]
terminal	36644162 [	]
terminal	36644186 [	]
terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 62 / 98

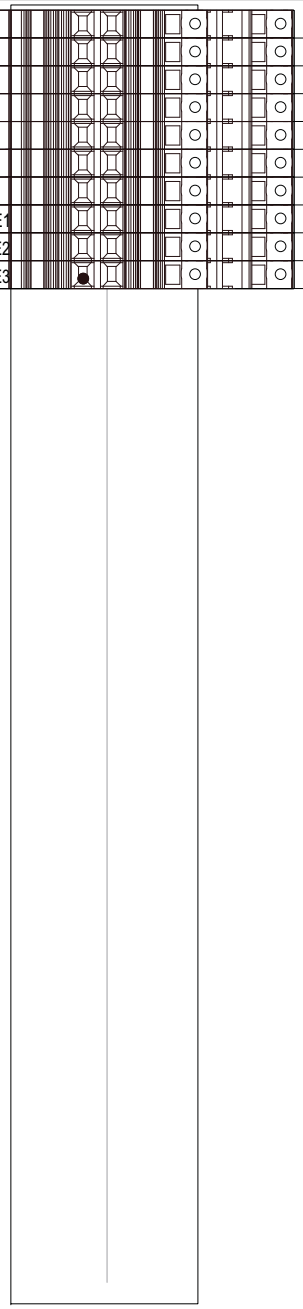
TERMINAL STRIP

=B1

+CC100

-X110

MANUFACTURER TYPE			ITEM	REFERENCE	
2002-2201	1	1	36644158	/114.C2	/114.C2
2002-2201	3	4	36644158	/114.C3	
2002-2201	5	6	36644158	/114.C7	/114.C7
2002-2201	7	8	36644158	/114.C7	/114.C7
2002-2201	11	12	36644158	/115.C3	/115.C3
2002-2201	13	14	36644158	/115.C3	/115.C3
2002-2201	15	16	36644158	/115.C4	/115.C4
2002-2208	TE1	TE1	36644160	/114.C3	
2002-2208	TE2	TE2	36644160	/114.C7	
2002-2208	TE3	TE3	36644160	/115.C5	/115.C5



Terminal Item		
	terminal	36644158 [1 - 16]
	terminal	36644160 [TE1 - TE3]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

=B1

+CC100

SHEET 63 / 98

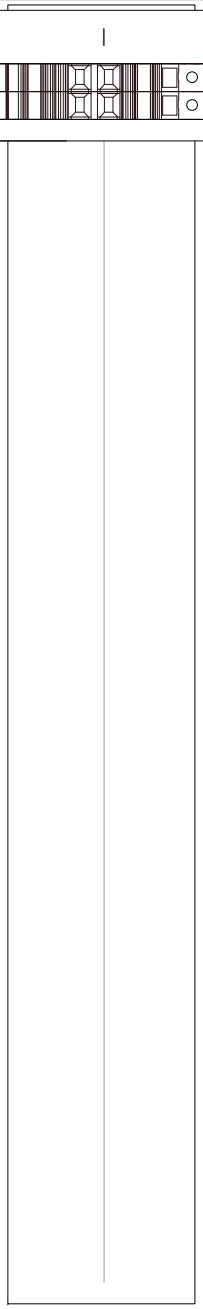
TERMINAL STRIP

=B1

+JB100

-X10

MANUFACTURER TYPE			ITEM	REFERENCE	
249-117			36644186		
2002-2201	○1	○2	36644158	/100.D6+CC100	/100.D5+CC100
2002-2207	○PE	○PE	36644159	/100.E4+CC100	
2002-2291			36644162		



Terminal Item		
	terminal	36644158 [1 - 2]
	terminal	36644162 [|]
	terminal	36644186 [|]
	terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+JB100
		SHEET 64 / 98

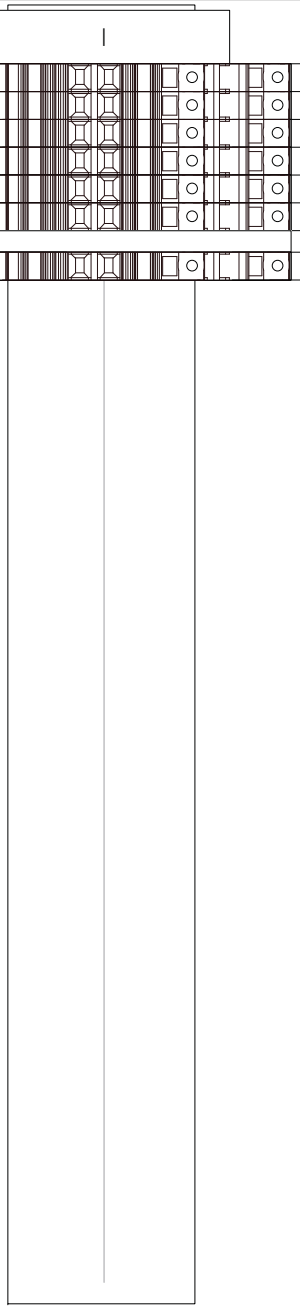
TERMINAL STRIP

=B1

+JB100

-X22

MANUFACTURER TYPE			ITEM	REFERENCE	
249-117			36644186		
2002-2201	○1	○2	36644158	/109.D6+CC100	/109.D5+CC100
2002-2201	○3	○4	36644158		/109.D5+CC100
2002-2201	○5	○6	36644158	/109.D6+CC100	/109.D7+CC100
2002-2201	○7	○8	36644158	/109.D4+CC100	/109.D4+CC100
2002-2201	○TE	○TE	36644158	/109.D7+CC100	/109.D8+CC100
2002-2207	○PE	○PE	36644159	/109.D6+CC100	/109.D4+CC100
2002-2291			36644162		
2002-2201	○9	○10	36644158	/109.D8+CC100	/109.D8+CC100



Terminal Item

terminal	36644158 [1 - 10 , TE - TE]
terminal	36644162 [	]
terminal	36644186 [	]
terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+JB100
		SHEET 65 / 98

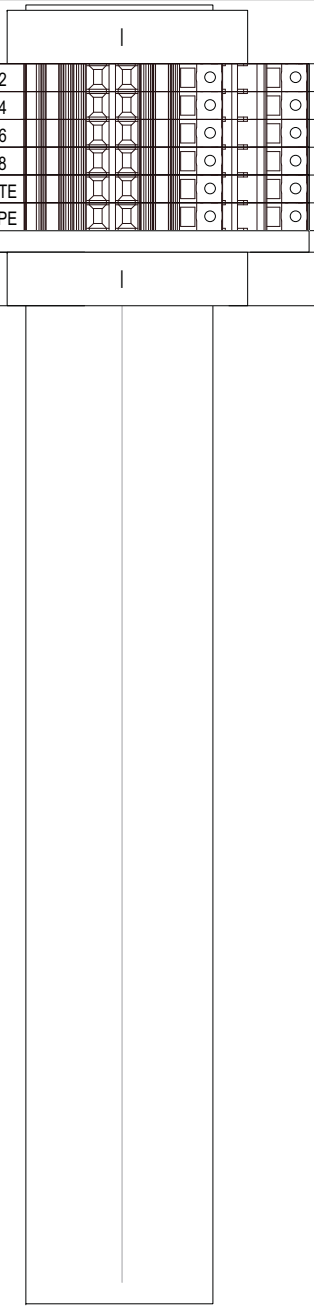
TERMINAL STRIP

=B1

+JB100

-X33

MANUFACTURER TYPE			ITEM	REFERENCE	
249-117			36644186		
2002-2201	○1	○2	36644158	/109.D1+CC100	/109.D1+CC100
2002-2201	○3	○4	36644158	/109.D2+CC100	/109.D2+CC100
2002-2201	○5	○6	36644158	/109.D2+CC100	/109.D2+CC100
2002-2201	○7	○8	36644158	/109.D2+CC100	/109.D2+CC100
2002-2201	○TE	○TE	36644158	/109.D3+CC100	/109.D3+CC100
2002-2207	○PE	○PE	36644159	/109.D3+CC100	/109.D8+CC100
2002-2291			36644162		
249-117			36644186		



Terminal Item		
	terminal	36644158 [1 - 8 , TE - TE]
	terminal	36644186 [| , |]
	terminal	36644162 [|]
	terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO.	DRW. REV.	=B1
E3P000423	D	+JB100
DOC. ID EL000423		SHEET 67 / 98

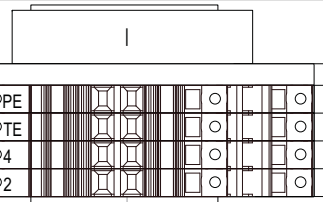
TERMINAL STRIP

=B1

+JB100

-X60

MANUFACTURER TYPE			ITEM	REFERENCE	
249-117			36644186		
2002-2291			36644162		
2002-2207	PE	PE	36644159	/112.B4+CC100	/112.B4+CC100
2002-2201	TE	TE	36644158	/112.B4+CC100	
2002-2201	3	4	36644158	/112.B3+CC100	/112.B3+CC100
2002-2201	1	2	36644158	/112.B3+CC100	/112.B3+CC100



Terminal Item

terminal	36644158 [1 - 4 , TE - TE]
terminal	36644162 [	]
terminal	36644186 [	]
terminal	36644159 [PE - PE]
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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+JB100
		SHEET 68 / 98

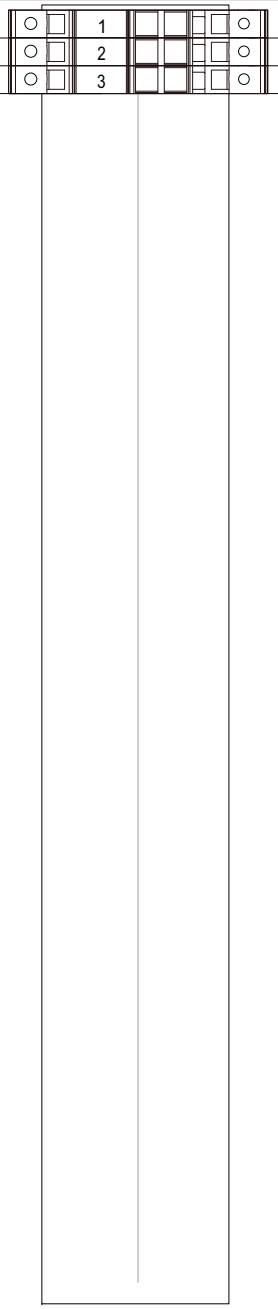
TERMINAL STRIP

=B1

+JB102

-X70

MANUFACTURER TYPE		ITEM	REFERENCE
2002-1201	1	36644152	/102.E4+CC100
2002-1201	2	36644152	/102.E4+CC100
2002-1201	3	36644152	/102.E4+CC100



Terminal Item

terminal	36644152 [1 - 3]
terminal	
terminal	
terminal	
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terminal	

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SHEET REV.	CHANGE	DATE	NAME

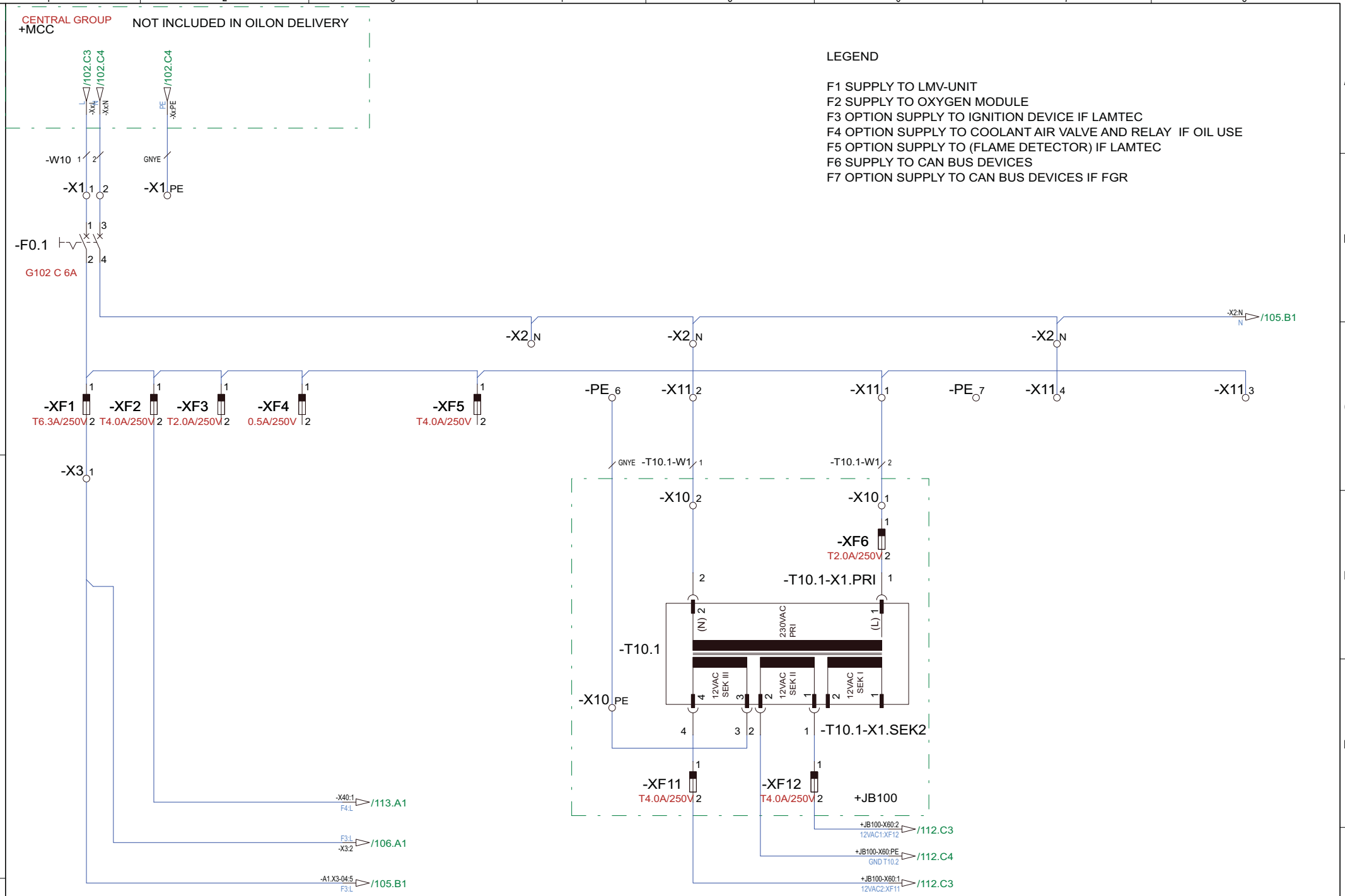
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE TERMINAL PLAN

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+JB102
		SHEET 69 / 98



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SHEET REV.	CHANGE	DATE	NAME
B	ADDED CONNN. SET T-10.1-X1	21/12/2016	mpo

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

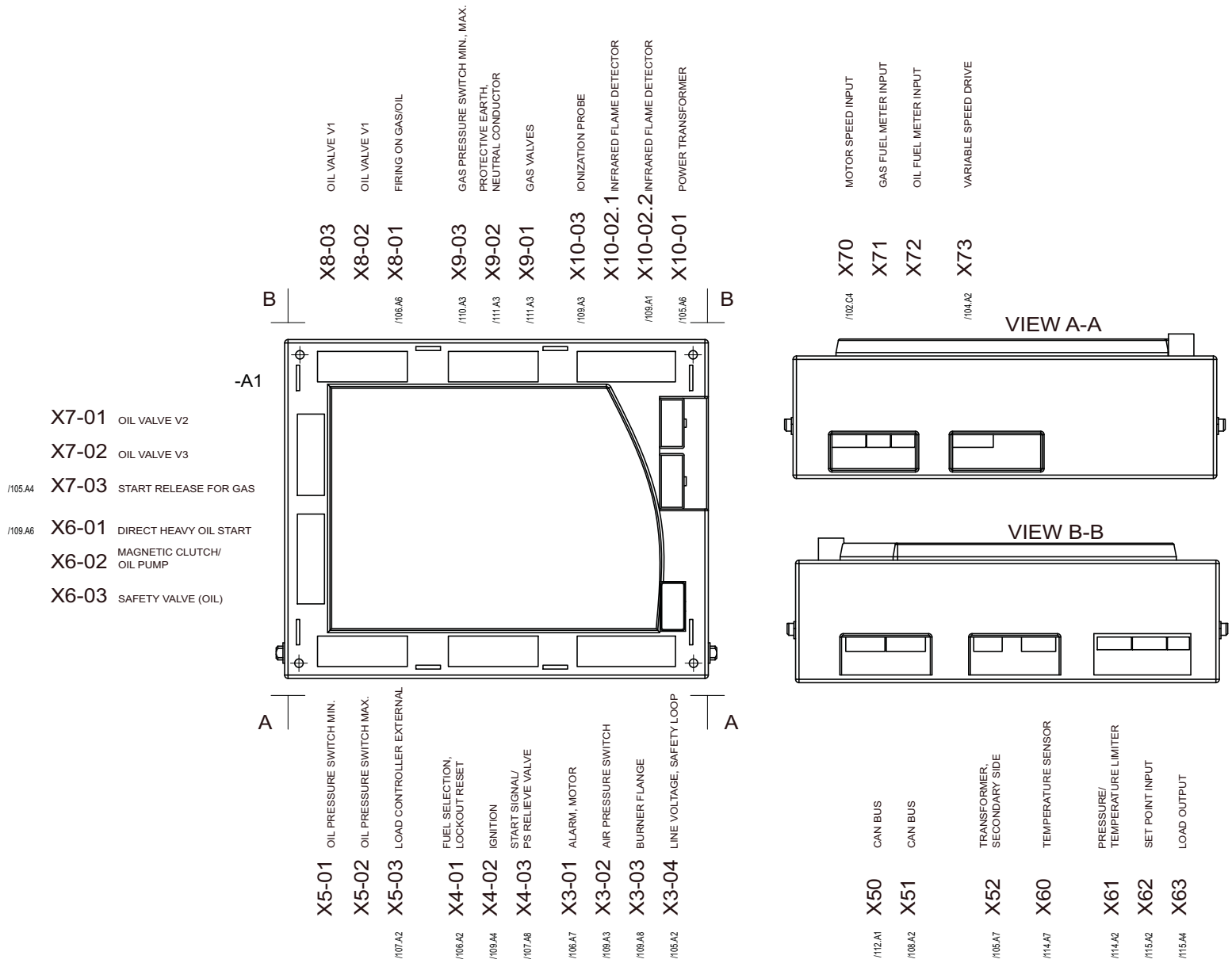
oilon®

TITLE
CIRCUIT DIAGRAM POWER SUPPLY

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D
DOC. ID EL000423	SHEET 100 / 98

=B1
+CC100



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SHEET REV.	CHANGE	DATE	NAME

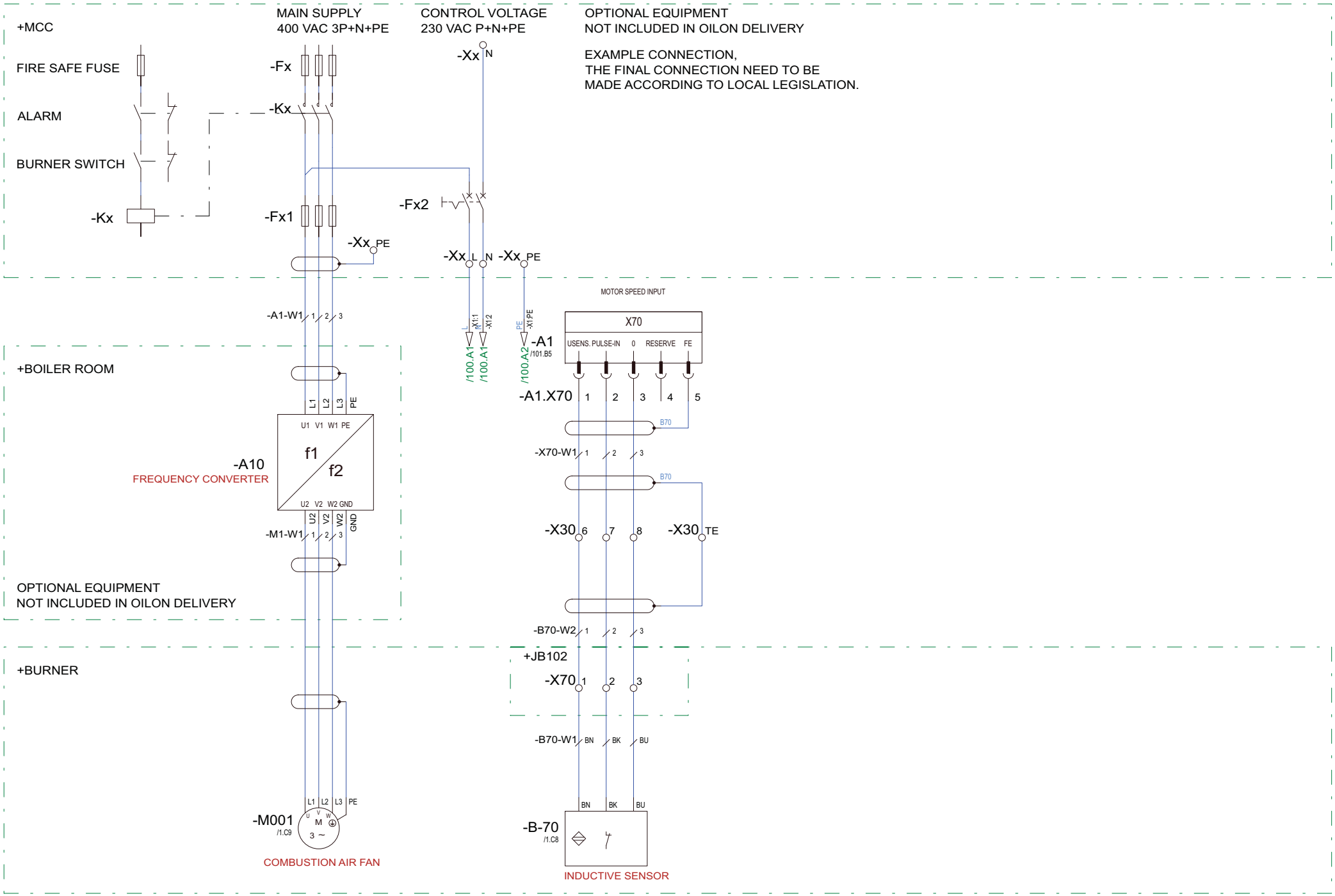
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
LMV 52

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 101 / 98



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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

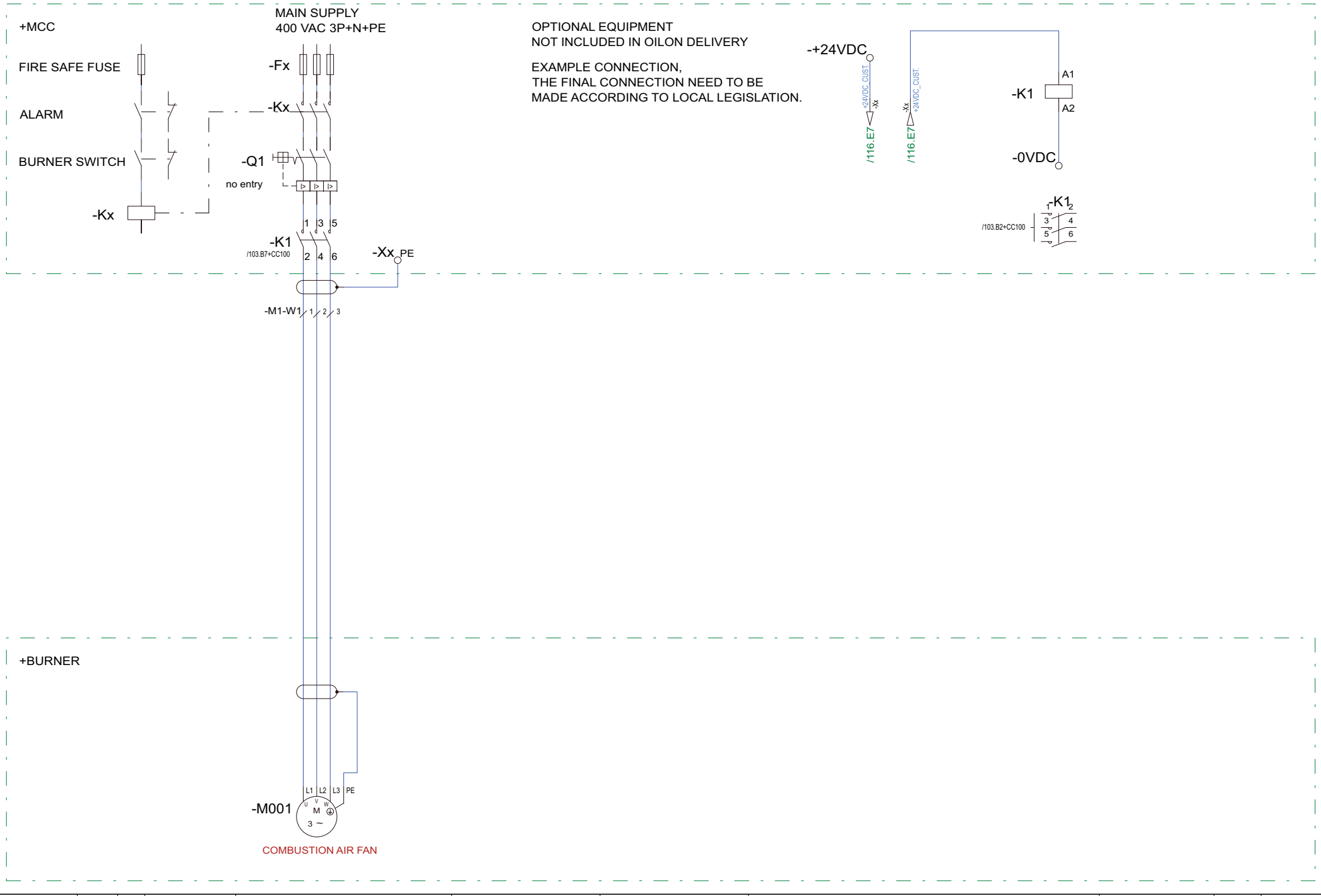
oilon®

TITLE
CIRCUIT DIAGRAM
MOTOR, FREQUENCY CONVERTER

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D
DOC. ID EL000423	SHEET 102 / 98

=B1
+CC100



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SHEET REV.	CHANGE	DATE	NAME
C	ADDED ALL	16/02/2017	mpo

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

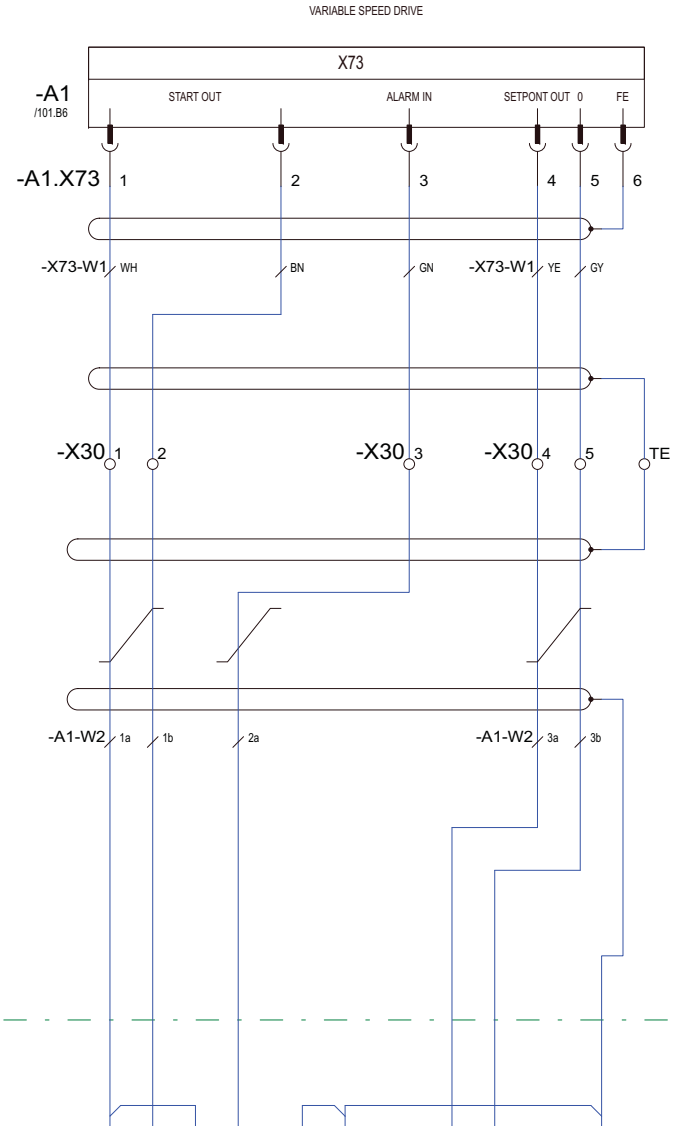
oilon®

TITLE
CIRCUIT DIAGRAM
MOTOR, DIRECT START

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D
DOC. ID EL000423	SHEET 103 / 98

=B1
+CC100



CONNECTION

ABB ACS550/580

CABLE W2-A1
WIRE 1a: XC2:12 -> A10:10/+24V AND JUMPER A10:10/+24V->A10:25/R03C
WIRE 1b: XC2:13 -> A10:13/DI1
WIRE 2a: XC2:14 -> A10:13/R03A
SHIELD -> A10:11/GNDR03A AND JUMPER A10:11/ GND ->A10:12/DCOM

CABLE W2-A2
WIRE 1a: XC2:15 -> A10:2/ AI1
WIRE 1b: XC2:16 -> A10:6/ AGND
SHIELD -> A10:1/ SCR

VACON 0100/NSX

CABLE W2-A1
WIRE 1a: XC2:12 -> A10:6/+24Vout AND JUMPER A10:25/+24Vout->A10:25/R022
WIRE 1b: XC2:13 -> A10:8/DI1
WIRE 2a: XC2:14 -> A10:26/R23
SHIELD -> A10:13/GND

CABLE W2-A2
WIRE 1a: XC2:15 -> A10:4/ AI2
WIRE 1b: XC2:16 -> A10:5/ AGND
SHIELD -> A10:3/ GND

+BOILER ROOM

-A10
/102.C3+CC100

ABB	+24V : 10	DI1 : 13	RO3C : 25	RO3A : 26	DCOM : 12	GND : 11	AI1 : 2	AGND : 6	SCR : 1	RO1C : 19	RO1A : 20	RO1B : 21	RO2C : 22	RO2A : 23	RO2B : 24
VACON	+24Vout:6	DI1 : 8	RO22 : 25	RO23 : 26	RO21 : 24	GND : 13	AI2 : 4	AGND : 5	GND : 3				RO11 : 21	RO12 :22	RO13 : 23

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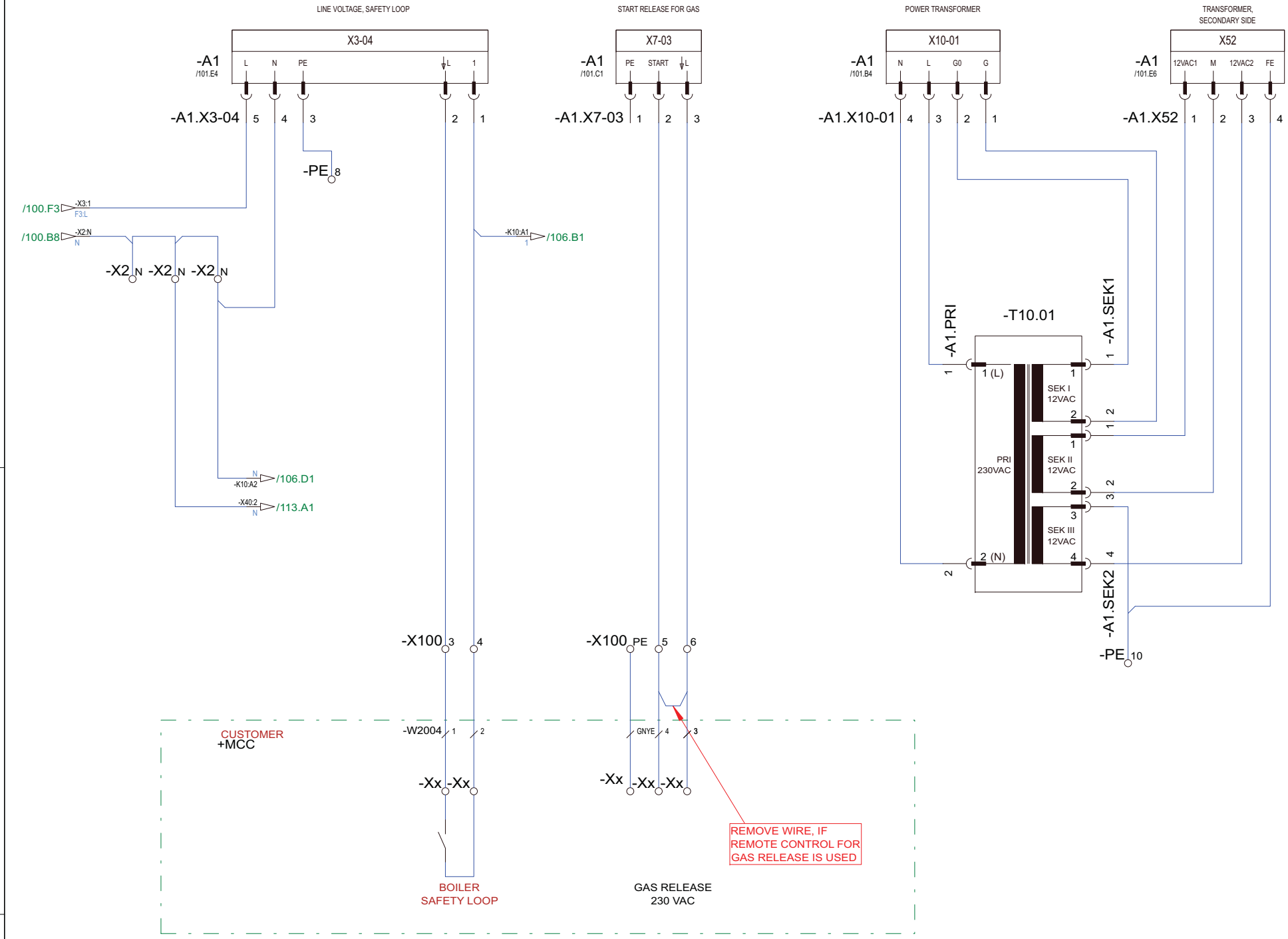
SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
FREQUENCY CONVERTER
PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 104 / 98



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SHEET REV.	CHANGE	DATE	NAME

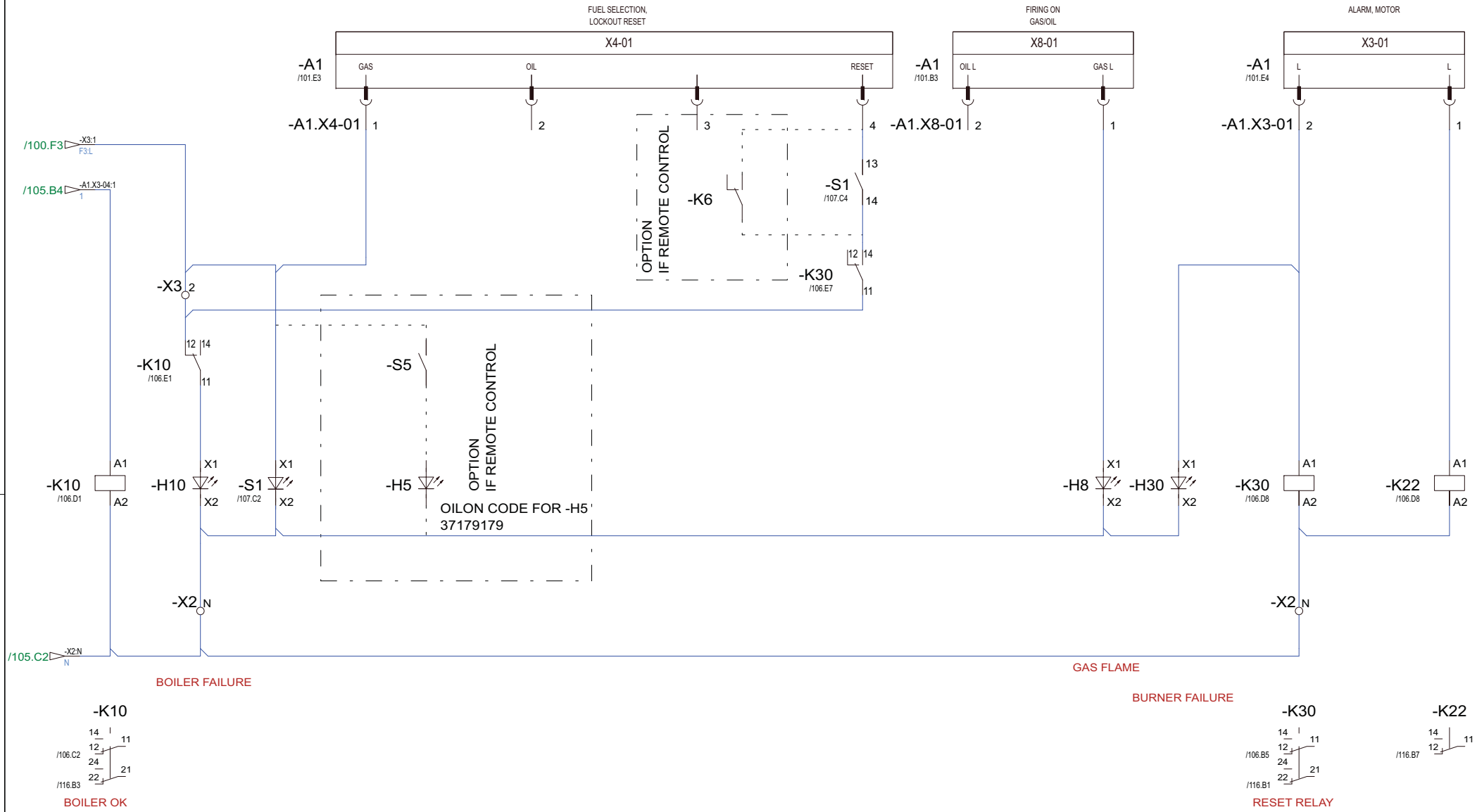
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
CONTROL VOLTAGE, SAFETY LOOP

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 105 / 98



LEGEND

AREA INSIDE DASH DOT LINE = OPTION
DOT LINE = CONNECTION IF OPTION IS USED

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SHEET REV.	CHANGE	DATE	NAME
C	ADDED -K22	16/02/2017	mpo

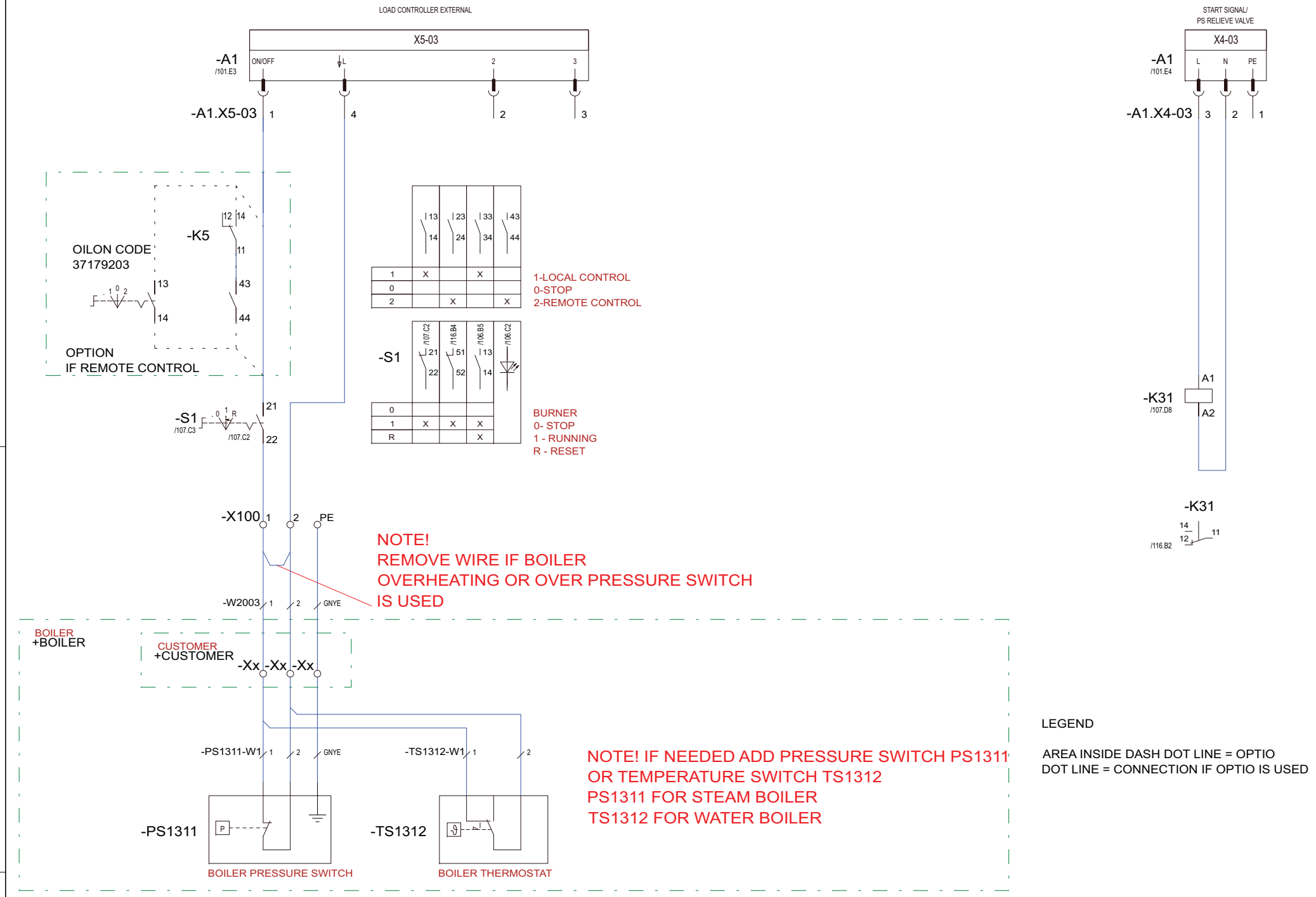
DATE	13/12/2016
NAME	jylostalo
APPROVED	jarola
CUSTOMER	
PROJECT	E3P000423
MARK	

oilon®

TITLE
CIRCUIT DIAGRAM
SIGNAL LAMPS

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO.	E3P000423
DRW. REV.	D
DOC. ID	EL000423
	=B1
	+CC100
SHEET	106 / 98



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SHEET REV.	CHANGE	DATE	NAME

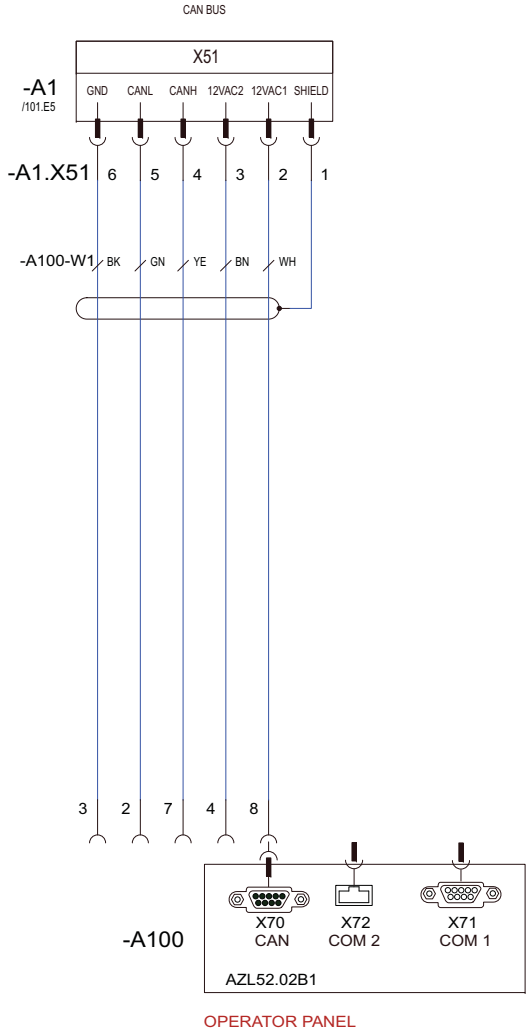
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
START CONTROL CIRCUIT

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 107 / 98



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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
OPERATOR PANEL

PRODUCT
GP-140...450 M, LN80

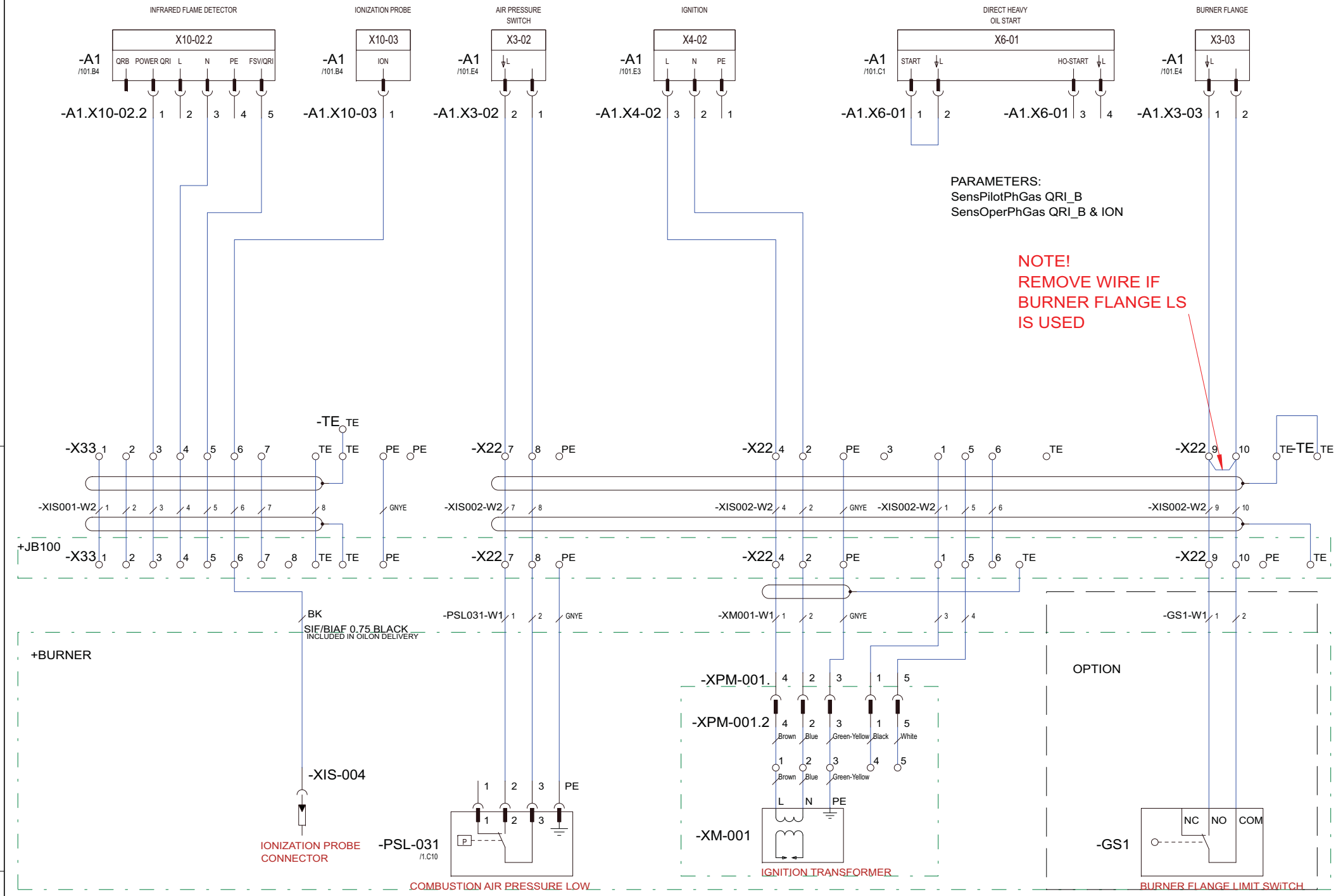
E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

=B1
+CC100

SHEET 108 / 98



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SHEET REV.	CHANGE	DATE	NAME
D	ADDED -GS1, XIS002-W2 TYPE	23/02/2017	mpo

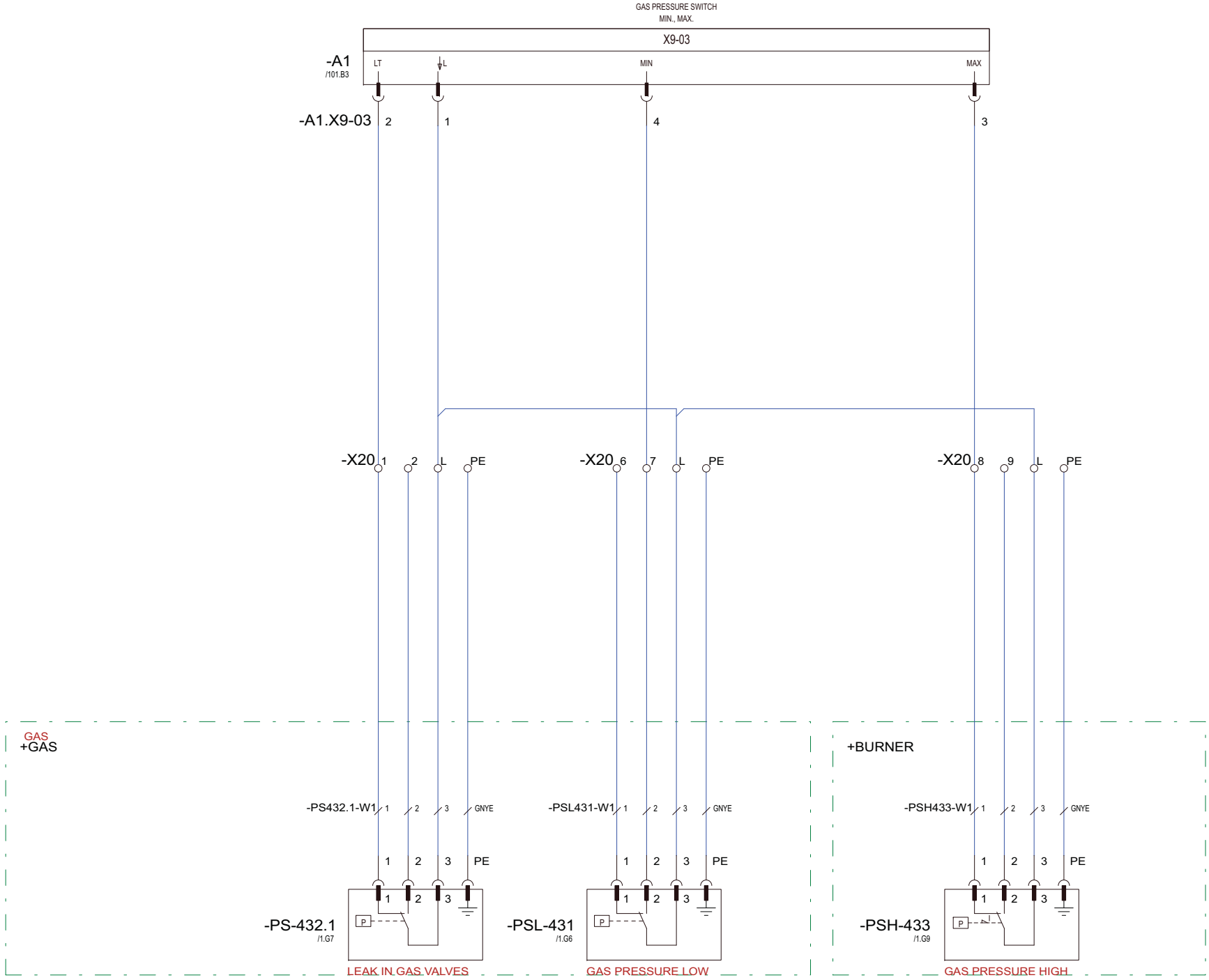
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
FLAME DETECTOR

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 109 / 98



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SHEET REV.	CHANGE	DATE	NAME

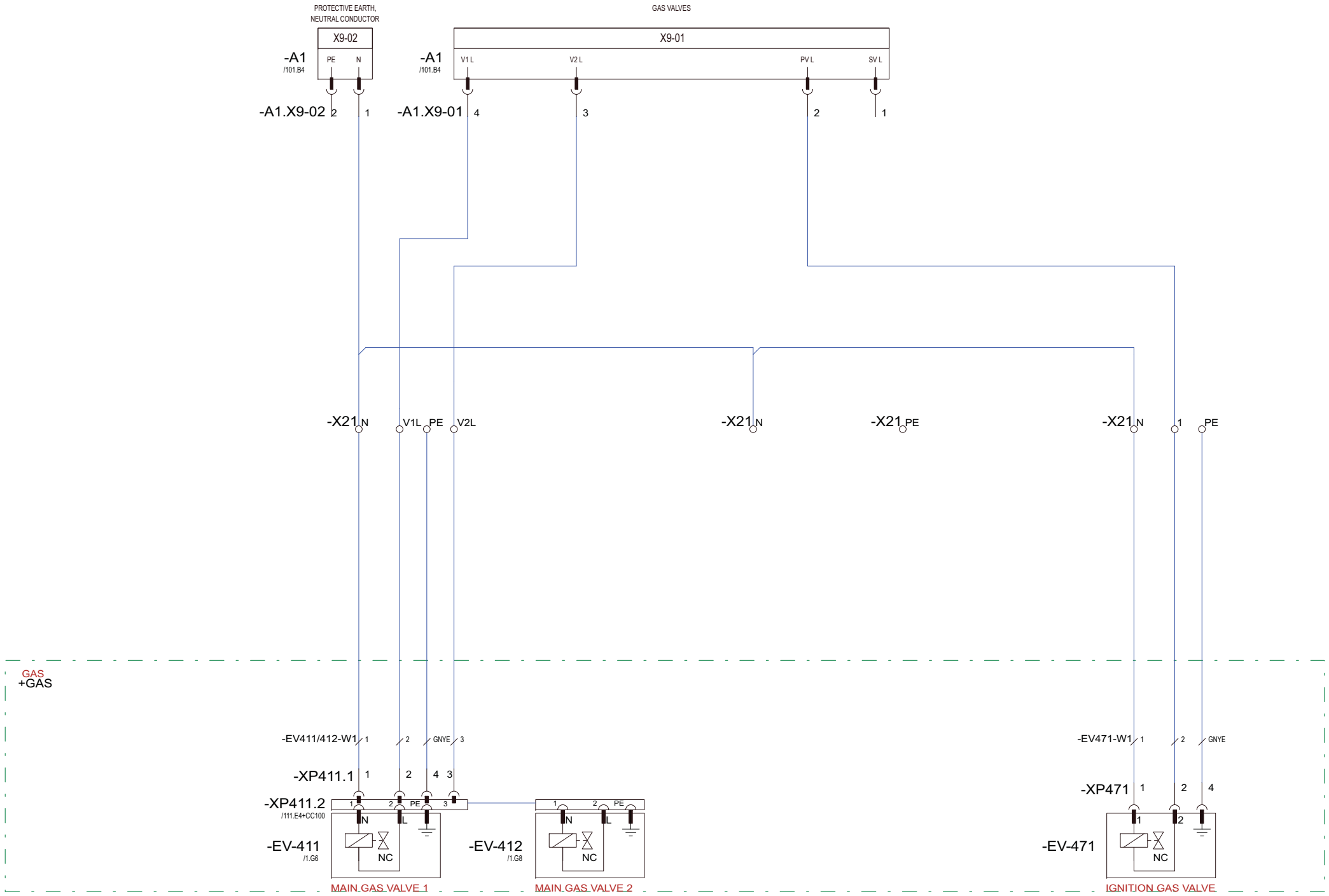
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
GAS VALVE LEAKGE TEST

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
		+CC100
DOC. ID EL000423		SHEET 110 / 98



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SHEET REV.	CHANGE	DATE	NAME

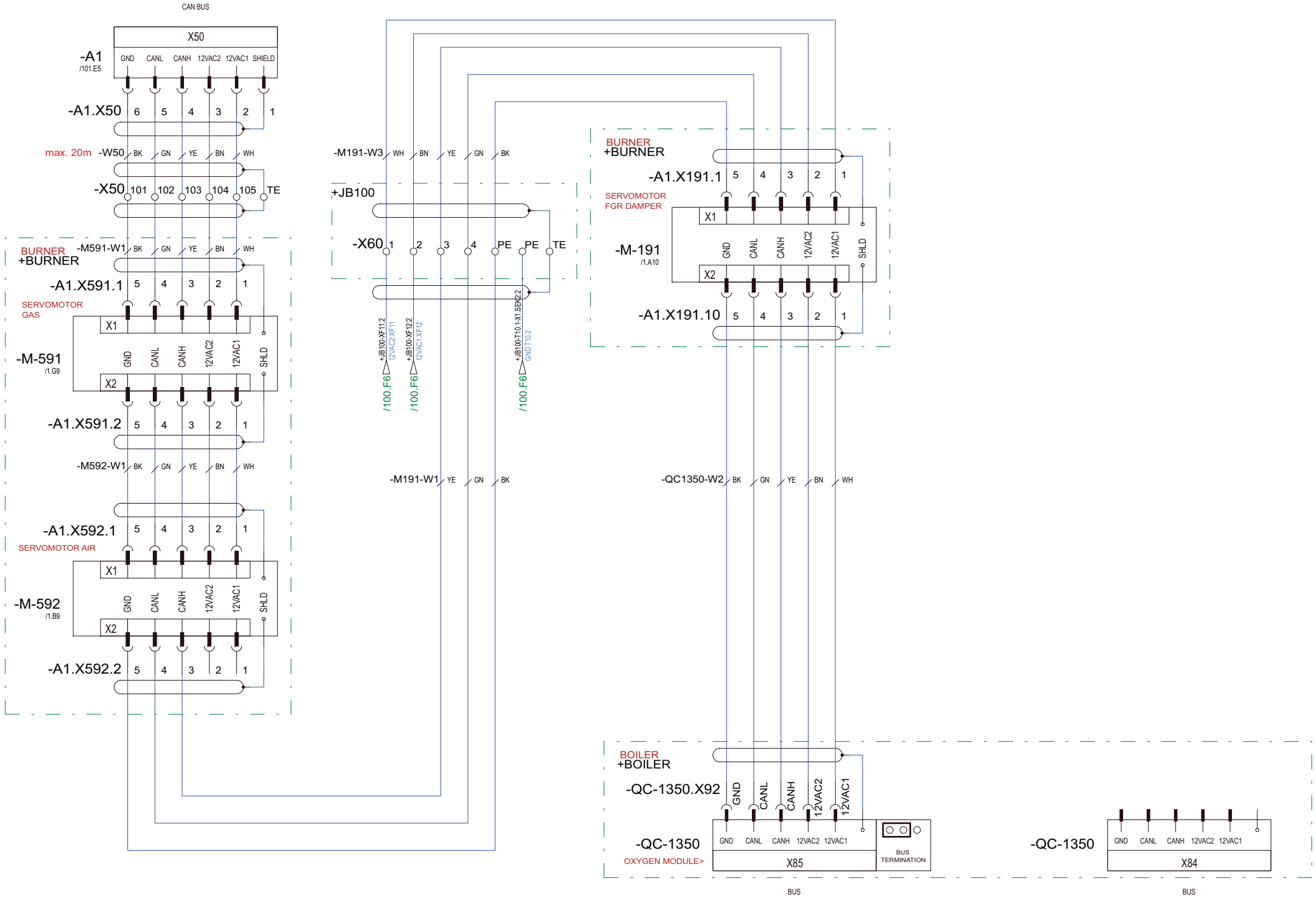
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
GAS VALVE

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 111 / 98



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SHEET REV.	CHANGE	DATE	NAME

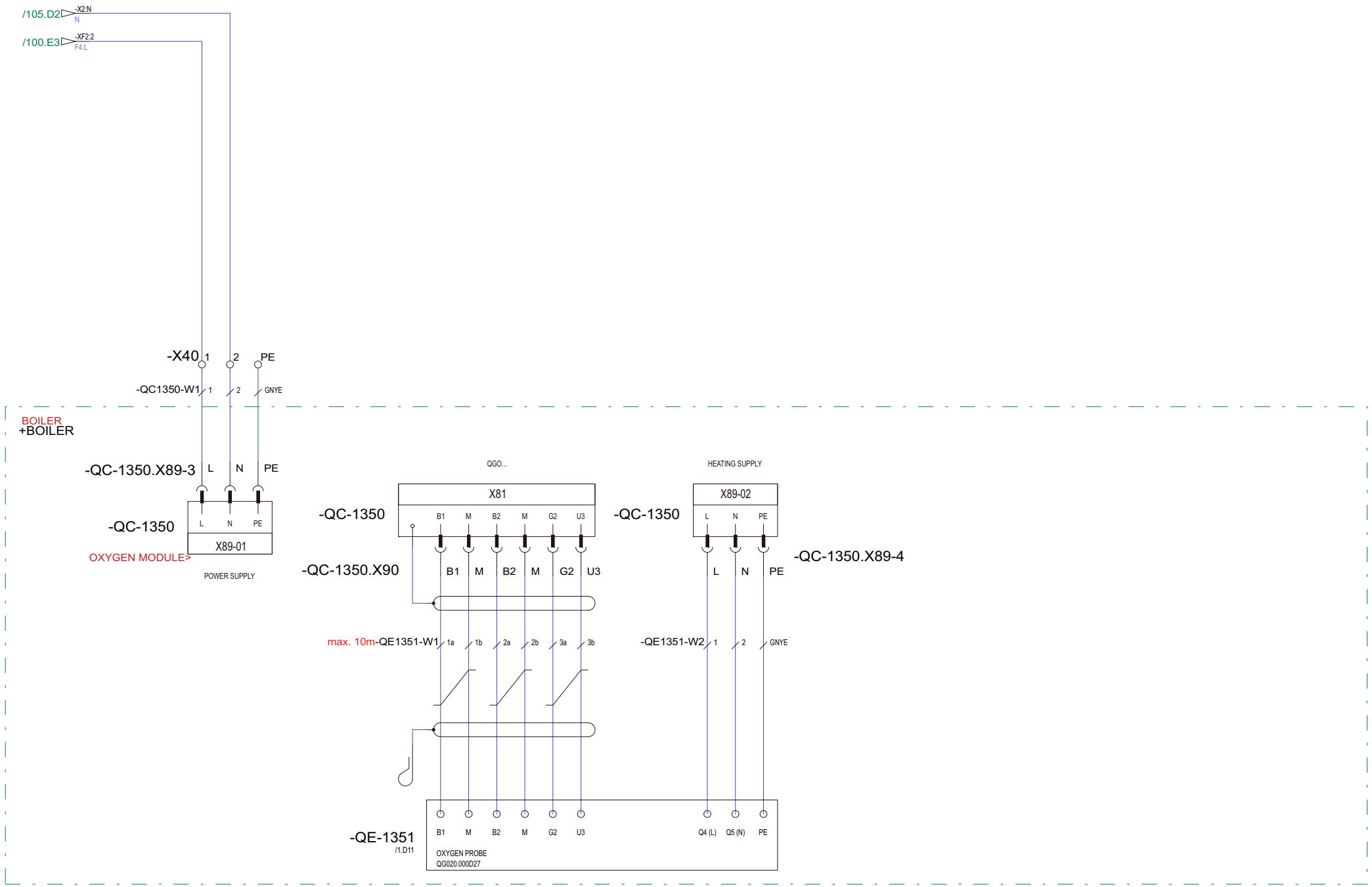
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM SERVOMOTOR

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
=B1
+CC100
SHEET 112 / 98



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SHEET REV.	CHANGE	DATE	NAME

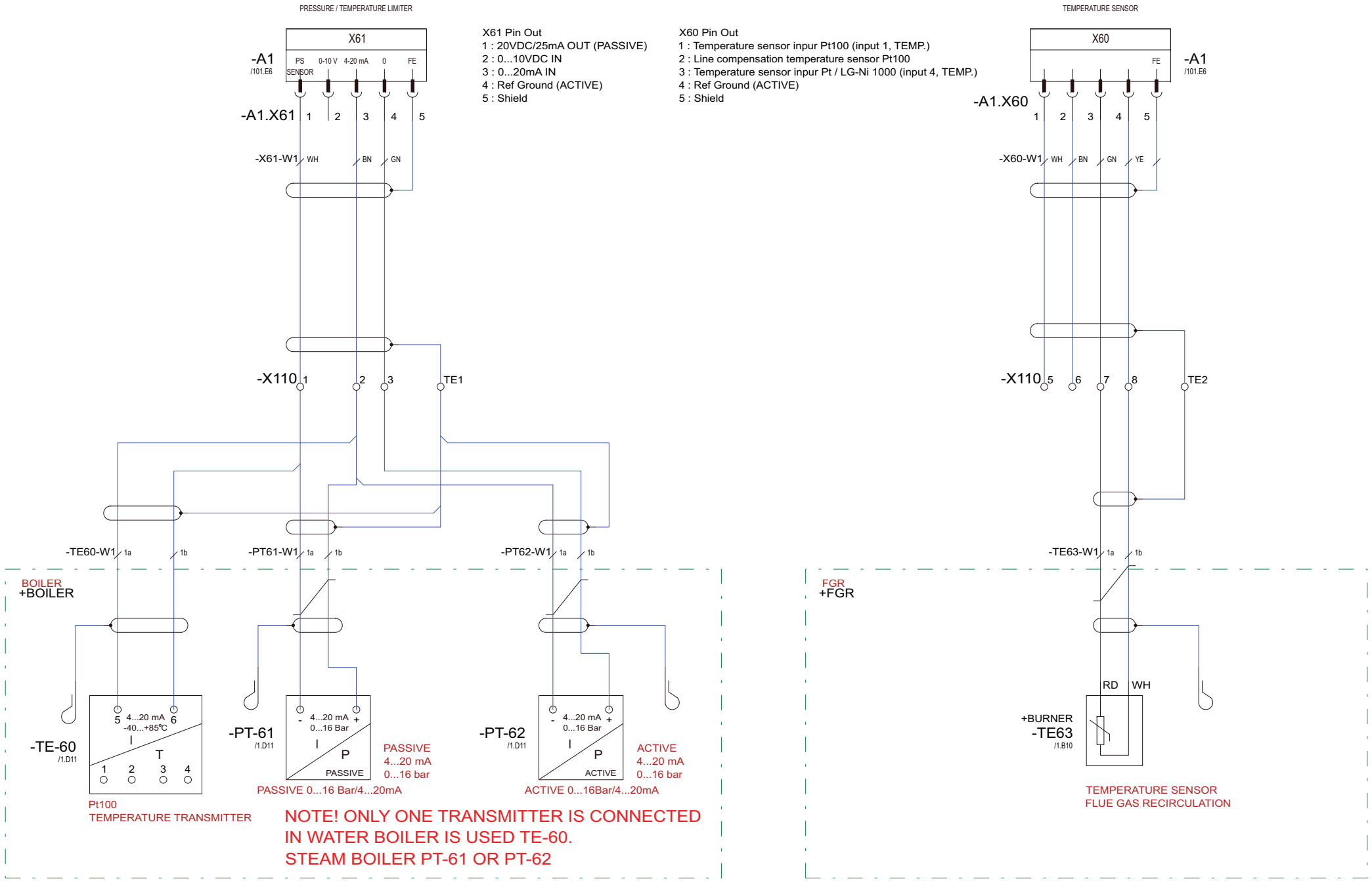
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
OXYGEN MODULE, OXYGEN PROBE

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 113 / 98



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SHEET REV.	CHANGE	DATE	NAME

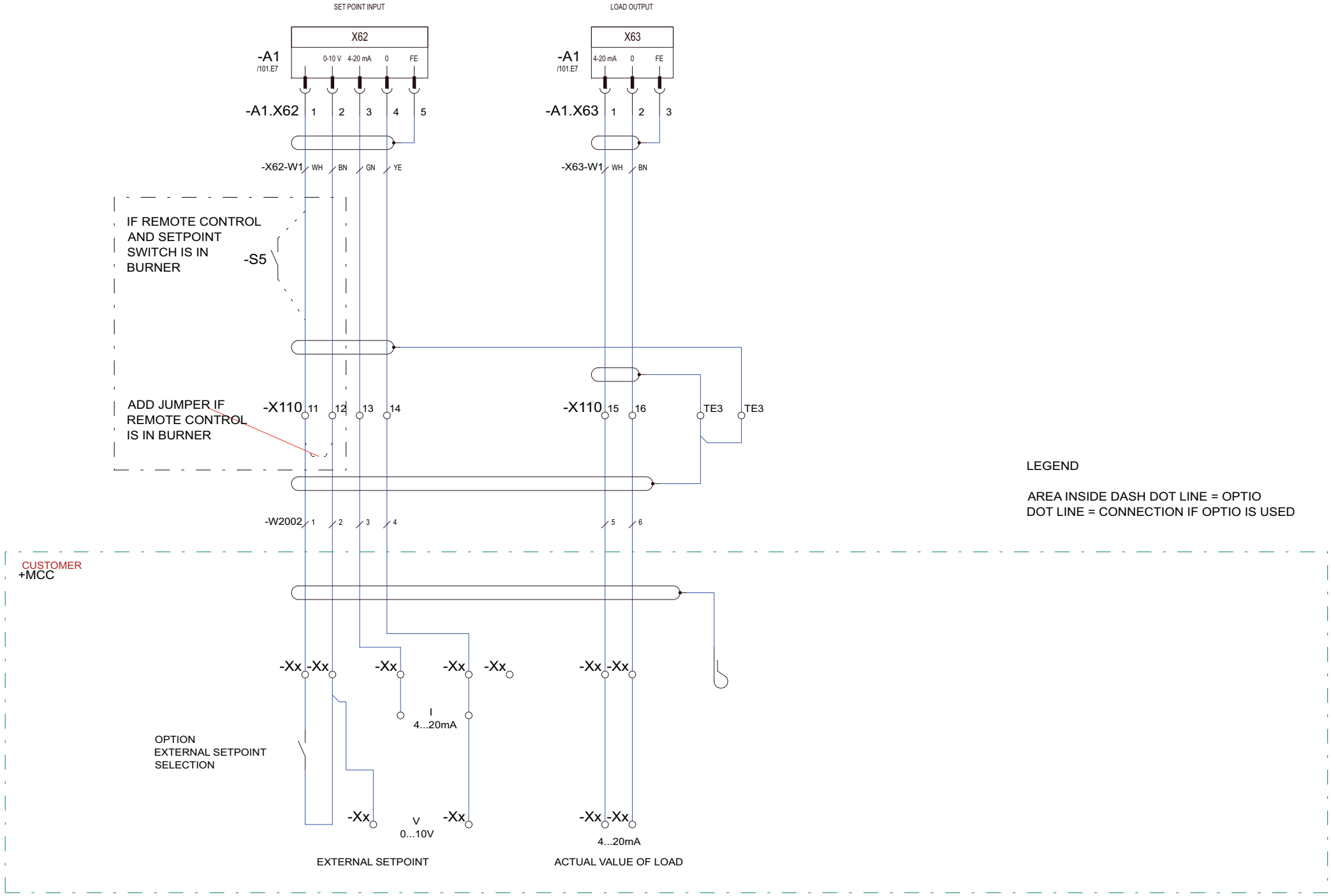
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
PRESSURE TRANSMITTER

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 114 / 98



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SHEET REV.	CHANGE	DATE	NAME

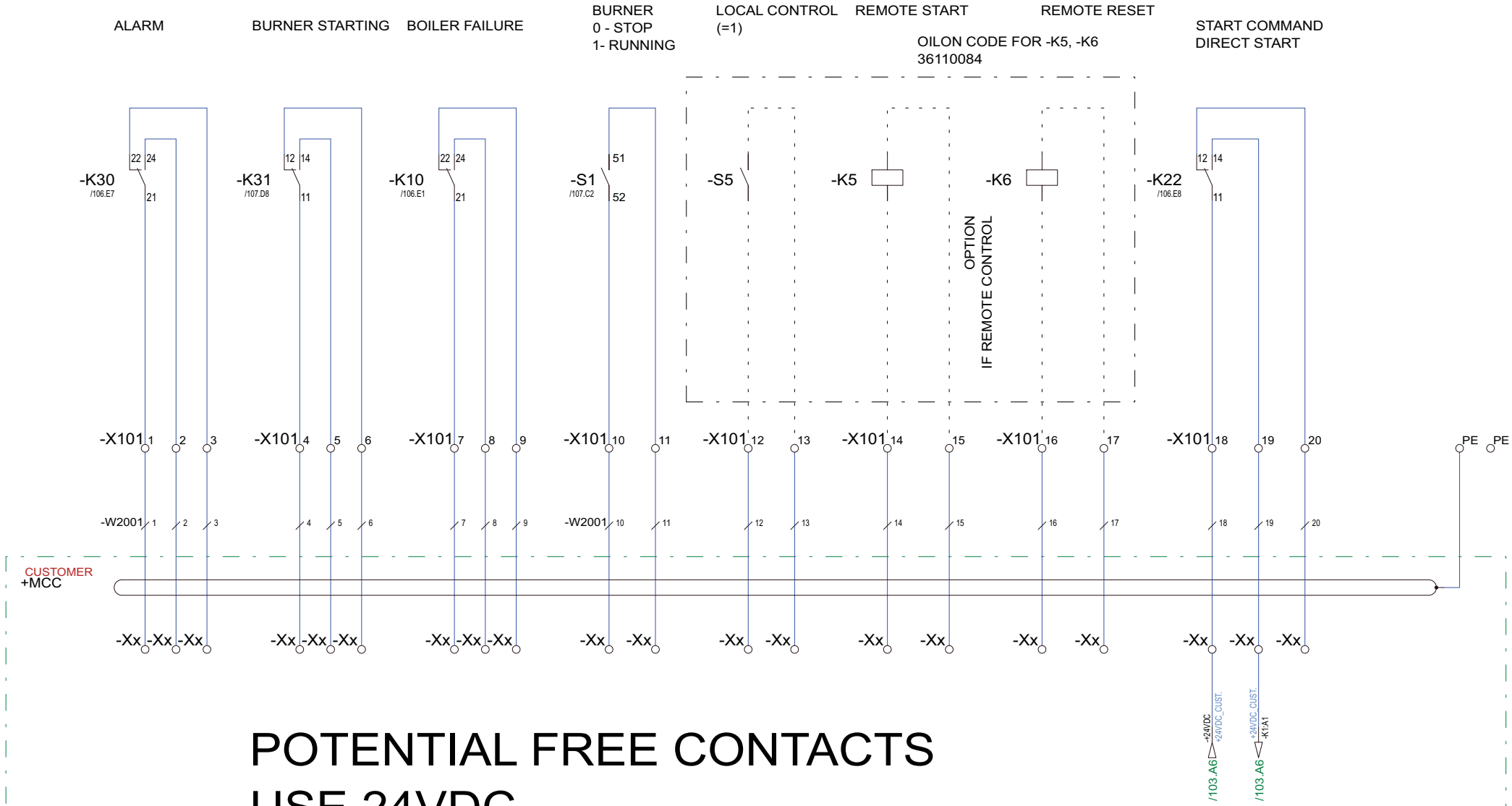
DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
EXTERNAL SETPOINT, ACTUAL VALUE

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423	DRW. REV. D	=B1
DOC. ID EL000423		+CC100
		SHEET 115 / 98



POTENTIAL FREE CONTACTS
USE 24VDC

LEGEND

AREA INSIDE DASH DOT LINE = OPTIO
DOT LINE = CONNECTION IF OPTIO IS USED

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SHEET REV.	CHANGE	DATE	NAME
C	ADDED -K22	16/02/2017	mpo

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED jarola	MARK

oilon®

TITLE
CIRCUIT DIAGRAM
CUSTOMER SYSTEM

PRODUCT
GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
=B1
+CC100
SHEET 116 / 98

CABLE: -GS1-W1

ITEM: 36538279

MANUF. TYPE: GEN 4G0.75

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+BURNER-GS1	NO	1	=B1+JB100-X22	9	
=B1+BURNER-GS1	COM	2	=B1+JB100-X22	10	
		3			
		GNYE			

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
MARK

oilon®

TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 600 / 98

CABLE: -X60-W1

ITEM: 36538278

MANUF. TYPE: GEN 5x0.5 sch

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X60	1	WH	=B1+CC100-X110	5	
=B1+CC100-A1.X60	2	BN	=B1+CC100-X110	6	
=B1+CC100-A1.X60	3	GN	=B1+CC100-X110	7	
=B1+CC100-A1.X60	4	YE	=B1+CC100-X110	8	
		GY			
=B1+CC100-A1.X60	5	sch	=B1+CC100-X110	TE2	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
MARK

oilon®

TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 601 / 98

CABLE:	ITEM:	MANUF. TYPE:	DELIVERY STATUS:
-XIS004-W1	36537004	SIF/BIAF 0.75 BLACK	INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB100-X33	6	BK	-XIS-004		

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED	MARK

oilon®

TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 602 / 98

CABLE: **+BURNER-PSL031-W1**

ITEM: **36538279**

MANUF. TYPE: **GEN 4G0.75**

DELIVERY STATUS: **INCLUDED IN OILON DELIVERY**

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB100-X22	7	1	=B1+BURNER-PSL-031.1	2	
=B1+JB100-X22	8	2	=B1+BURNER-PSL-031.1	3	
		3			
=B1+JB100-X22	PE	GNYE	=B1+BURNER-PSL-031.1	PE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
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TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 603 / 98

CABLE: +BURNER-XM001-W1

ITEM: 36538039

MANUF. TYPE: ÖLFLEX-CLASSIC-110 CY 5G1.5

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB100-X22	4	1	=B1+BURNER-XPM-001.	4	
=B1+JB100-X22	2	2	=B1+BURNER-XPM-001.	2	
=B1+JB100-X22	1	3	=B1+BURNER-XPM-001.	1	
=B1+JB100-X22	5	4	=B1+BURNER-XPM-001.	5	
=B1+JB100-X22	PE	GNYE	=B1+BURNER-XPM-001.	3	
=B1+JB100-X22	TE	SH1			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 604 / 98

CABLE: +CC100-W50

ITEM: 36538092

MANUF. TYPE: AGG 5.641 CAN-BUS

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X50	2	WH	=B1+CC100-X50	105	
=B1+CC100-A1.X50	3	BN	=B1+CC100-X50	104	
=B1+CC100-A1.X50	6	BK	=B1+CC100-X50	101	
=B1+CC100-A1.X50	5	GN	=B1+CC100-X50	102	
=B1+CC100-A1.X50	4	YE	=B1+CC100-X50	103	
=B1+CC100-A1.X50	1	SH1	=B1+CC100-X50	TE	
		SH2			

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TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 605 / 98

CABLE: +CC100-A100-W1

ITEM: 36538093

MANUF. TYPE: AGG 5.635 CAN-BUS

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X51	2	WH		8	
=B1+CC100-A1.X51	3	BN		4	
=B1+CC100-A1.X51	6	BK		3	
=B1+CC100-A1.X51	5	GN		2	
=B1+CC100-A1.X51	4	YE		7	
=B1+CC100-A1.X51	1	SH1			
		SH2			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 606 / 98

CABLE: +CC100-X61-W1

ITEM: 36538278

MANUF. TYPE: GEN 5x0.5 sch

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X61	1	WH	=B1+CC100-X110	1	
=B1+CC100-A1.X61	3	BN	=B1+CC100-X110	2	
=B1+CC100-A1.X61	4	GN	=B1+CC100-X110	3	
		YE			
		GY			
=B1+CC100-A1.X61	5	sch	=B1+CC100-X110	TE1	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 607 / 98

CABLE: +CC100-X62-W1

ITEM: 36538278

MANUF. TYPE: GEN 5x0.5 sch

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X62	1	WH	=B1+CC100-X110	11	
=B1+CC100-A1.X62	2	BN	=B1+CC100-X110	12	
=B1+CC100-A1.X62	3	GN	=B1+CC100-X110	13	
=B1+CC100-A1.X62	4	YE	=B1+CC100-X110	14	
		GY			
=B1+CC100-A1.X62	5	sch	=B1+CC100-X110	TE3	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 608 / 98

CABLE: +CC100-X63-W1

ITEM: 36538278

MANUF. TYPE: GEN 5x0.5 sch

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X63	1	WH	=B1+CC100-X110	15	
=B1+CC100-A1.X63	2	BN	=B1+CC100-X110	16	
		GN			
		YE			
		GY			
=B1+CC100-A1.X63	3	sch	=B1+CC100-X110	TE3	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 609 / 98

CABLE: +CC100-X70-W1

ITEM: 36538274

MANUF. TYPE: GEN 3x0,75 sch

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X70	1	1	=B1+CC100-X30	6	
=B1+CC100-A1.X70	2	2	=B1+CC100-X30	7	
=B1+CC100-A1.X70	3	3	=B1+CC100-X30	8	
=B1+CC100-A1.X70	5	sch	=B1+CC100-X30	TE	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 610 / 98

CABLE: +CC100-X73-W1

ITEM: 36538278

MANUF. TYPE: GEN 5x0.5 sch

DELIVERY STATUS: INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-A1.X73	1	WH	=B1+CC100-X30	1	
=B1+CC100-A1.X73	2	BN	=B1+CC100-X30	2	
=B1+CC100-A1.X73	3	GN	=B1+CC100-X30	3	
=B1+CC100-A1.X73	4	YE	=B1+CC100-X30	4	
=B1+CC100-A1.X73	5	GY	=B1+CC100-X30	5	
=B1+CC100-A1.X73	6	sch	=B1+CC100-X30	TE	

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PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 611 / 98

CABLE: -EV411/412-W1

ITEM: 36538279

MANUF. TYPE: GEN 4G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X21	N	1	=B1+GAS-XP411.1	1	
=B1+CC100-X21	V1L	2	=B1+GAS-XP411.1	2	
=B1+CC100-X21	V2L	3	=B1+GAS-XP411.1	3	
=B1+CC100-X21	PE	GNYE	=B1+GAS-XP411.1	4	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
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PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 612 / 98

CABLE: -EV471-W1

ITEM: 36538279

MANUF. TYPE: GEN 4G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X21	N	1	=B1+GAS-XP471	1	
=B1+CC100-X21	1	2	=B1+GAS-XP471	2	
		3			
=B1+CC100-X21	PE	GNYE	=B1+GAS-XP471	4	

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PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 613 / 98

CABLE: -M591-W1

ITEM: 36538092

MANUF. TYPE: AGG 5.641 CAN-BUS

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X50	105	WH	=B1+M591-A1.X591.1	1	
=B1+CC100-X50	104	BN	=B1+M591-A1.X591.1	2	
=B1+CC100-X50	101	BK	=B1+M591-A1.X591.1	5	
=B1+CC100-X50	102	GN	=B1+M591-A1.X591.1	4	
=B1+CC100-X50	103	YE	=B1+M591-A1.X591.1	3	
=B1+CC100-X50	TE	SH1	=B1+BURNER-M-591		
		SH2			

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
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TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 614 / 98

CABLE: -M592-W1

ITEM: 36538092

MANUF. TYPE: AGG 5.641 CAN-BUS

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+M591-A1.X591.2	1	WH	=B1+M592-A1.X592.1	1	
=B1+M591-A1.X591.2	2	BN	=B1+M592-A1.X592.1	2	
=B1+M591-A1.X591.2	5	BK	=B1+M592-A1.X592.1	5	
=B1+M591-A1.X591.2	4	GN	=B1+M592-A1.X592.1	4	
=B1+M591-A1.X591.2	3	YE	=B1+M592-A1.X592.1	3	
=B1+BURNER-M-591		SH1	=B1+BURNER-M-592		
		SH2			

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PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 615 / 98

CABLE: -M191-W1

ITEM: 36538092

MANUF. TYPE: AGG 5.641 CAN-BUS

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
		WH			
		BN			
=B1+JB100-X60	PE	BK	=B1+M592-A1.X592.2	5	
=B1+JB100-X60	4	GN	=B1+M592-A1.X592.2	4	
=B1+JB100-X60	3	YE	=B1+M592-A1.X592.2	3	
=B1+JB100-X60	TE	SH1	=B1+BURNER-M-592		
		SH2			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 616 / 98

CABLE: -QC1350-W1

ITEM: 36538271

MANUF. TYPE: GEN 3G1,5

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X40	1	1	=B1+BOILER-QC-1350.X89-3	L	
=B1+CC100-X40	2	2	=B1+BOILER-QC-1350.X89-3	N	
=B1+CC100-X40	PE	GNYE	=B1+BOILER-QC-1350.X89-3	PE	

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PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 617 / 98

CABLE: -T10.1-W1

ITEM: 36538271

MANUF. TYPE: GEN 3G1,5

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X11	2	1	=B1+JB100-X10	2	
=B1+CC100-X11	1	2	=B1+JB100-X10	1	
=B1+CC100-PE	6	GNYE	=B1+JB100-X10	PE	

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PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 618 / 98

CABLE: -M1-W1

ITEM: 36538275

MANUF. TYPE: GEN EMC 3x...sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+MCC-K1	2	1	-M001	L1	
=B1+MCC-K1	4	2	-M001	L2	
=B1+MCC-K1	6	3	-M001	L3	
=B1+MCC-Xx	PE	sch	-M001	PE	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 619 / 98

CABLE: -PT62-W1

ITEM: 36538270

MANUF. TYPE: GEN 2x2x0.5+sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X110	2	1a	=B1+BOILER-PT-62	-	
=B1+CC100-X110	3	1b	=B1+BOILER-PT-62	+	
		2a			
		2b			
=B1+CC100-X110	TE1	sch			

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PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 620 / 98

CABLE: -PT61-W1

ITEM: 36538270

MANUF. TYPE: GEN 2x2x0.5+sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X110	1	1a	=B1+BOILER-PT-61	-	
=B1+CC100-X110	2	1b	=B1+BOILER-PT-61	+	
		2a			
		2b			
=B1+CC100-X110	TE1	sch			

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TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 621 / 98

CABLE: -TE60-W1

ITEM: 36538270

MANUF. TYPE: GEN 2x2x0.5+sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+BOILER-TE-60	5	1a	=B1+CC100-X110	2	
=B1+BOILER-TE-60	6	1b	=B1+CC100-X110	1	
		2a			
		2b			
		sch	=B1+CC100-X110	TE1	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 622 / 98

CABLE: -TE63-W1

ITEM: 36538270

MANUF. TYPE: GEN 2x2x0.5+sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+BURNER-TE63	RD	1a	=B1+CC100-X110	7	
=B1+BURNER-TE63	WH	1b	=B1+CC100-X110	8	
		2a			
		2b			
		sch	=B1+CC100-X110	TE2	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
MARK

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 623 / 98

CABLE: -PSH433-W1

ITEM: 36538279

MANUF. TYPE: GEN 4G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X20	8	1	=B1+BURNER-PSH-433.1	1	
=B1+CC100-X20	9	2	=B1+BURNER-PSH-433.1	2	
=B1+CC100-X20	L	3	=B1+BURNER-PSH-433.1	3	
=B1+CC100-X20	PE	GNYE	=B1+BURNER-PSH-433.1	PE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 624 / 98

CABLE: -PS1311-W1

ITEM: 36538280

MANUF. TYPE: GEN 3G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
-Xx		1	=B1+BOILER-PS1311		
-Xx		2	=B1+BOILER-PS1311		
-Xx		GNYE	=B1+BOILER-PS1311	PE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 625 / 98

CABLE: -TS1312-W1

ITEM: 36538280

MANUF. TYPE: GEN 3G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
-Xx		1	+BOILER-TS1312		
-Xx		2	+BOILER-TS1312		
		GNYE			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 626 / 98

CABLE: -PSL431-W1

ITEM: 36538279

MANUF. TYPE: GEN 4G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X20	6	1	=B1+GAS-PSL-431.1	1	
=B1+CC100-X20	7	2	=B1+GAS-PSL-431.1	2	
=B1+CC100-X20	L	3	=B1+GAS-PSL-431.1	3	
=B1+CC100-X20	PE	GNYE	=B1+GAS-PSL-431.1	PE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 627 / 98

CABLE: -PS432.1-W1

ITEM: 36538279

MANUF. TYPE: GEN 4G0.75

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X20	1	1	=B1+GAS-PS-432.1.1	1	
=B1+CC100-X20	2	2	=B1+GAS-PS-432.1.1	2	
=B1+CC100-X20	L	3	=B1+GAS-PS-432.1.1	3	
=B1+CC100-X20	PE	GNYE	=B1+GAS-PS-432.1.1	PE	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 628 / 98

CABLE: -B70-W2

ITEM: 36538274

MANUF. TYPE: GEN 3x0,75 sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X30	6	1	=B1+JB102-X70	1	
=B1+CC100-X30	7	2	=B1+JB102-X70	2	
=B1+CC100-X30	8	3	=B1+JB102-X70	3	
=B1+CC100-X30	TE	sch			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 629 / 98

CABLE: -A1-W2

ITEM: 36538268

MANUF. TYPE: GEN 4x2x0.5+sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X30	1	1a	=B1+BOILER ROOM-A10	x	
=B1+CC100-X30	2	1b	=B1+BOILER ROOM-A10	x	
=B1+CC100-X30	3	2a	=B1+BOILER ROOM-A10	x	
=B1+CC100-X30	4	3a	=B1+BOILER ROOM-A10	x	
=B1+CC100-X30	5	3b	=B1+BOILER ROOM-A10	x	
		2b			
		4a			
		4b			
=B1+CC100-X30	TE	sch	=B1+BOILER ROOM-A10	x	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 630 / 98

CABLE: -XIS001-W2

ITEM: 36538264

MANUF. TYPE: GEN 9G1,5 sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB100-X33	1	1	=B1+CC100-X33	1	
=B1+JB100-X33	2	2	=B1+CC100-X33	2	
=B1+JB100-X33	3	3	=B1+CC100-X33	3	
=B1+JB100-X33	4	4	=B1+CC100-X33	4	
=B1+JB100-X33	5	5	=B1+CC100-X33	5	
=B1+JB100-X33	6	6	=B1+CC100-X33	6	
=B1+JB100-X33	7	7	=B1+CC100-X33	7	
=B1+JB100-X33	TE	8	=B1+CC100-X33	TE	
=B1+JB100-X33	PE	GNYE	=B1+CC100-X33	PE	
=B1+JB100-X33	TE	sch	=B1+CC100-X33	TE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 631 / 98

CABLE: -XIS002-W2

ITEM: 36538263

MANUF. TYPE: GEN 15G1,5 sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB100-X22	1	1	=B1+CC100-X22	1	
=B1+JB100-X22	2	2	=B1+CC100-X22	2	
		3			
=B1+JB100-X22	4	4	=B1+CC100-X22	4	
=B1+JB100-X22	5	5	=B1+CC100-X22	5	
=B1+JB100-X22	6	6	=B1+CC100-X22	6	
=B1+JB100-X22	7	7	=B1+CC100-X22	7	
=B1+JB100-X22	8	8	=B1+CC100-X22	8	
=B1+JB100-X22	9	9	=B1+CC100-X22	9	
=B1+JB100-X22	10	10	=B1+CC100-X22	10	
		11			
		12			
		13			
		14			
=B1+JB100-X22	PE	GNYE	=B1+CC100-X22	PE	
=B1+JB100-X22	TE	sch	=B1+CC100-X22	TE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 632 / 98

CABLE: -W10

ITEM: 36538271

MANUF. TYPE: GEN 3G1,5

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X1	1	1	=B1+MCC-Xx	L	
=B1+CC100-X1	2	2	=B1+MCC-Xx	N	
=B1+CC100-X1	PE	GNYE	=B1+MCC-Xx	PE	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 633 / 98

CABLE: -W11

ITEM: 36538180

MANUF. TYPE: CABLE 16 GNYE

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-PE	16	GNYE	+MCC-Xx		

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
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CUSTOMER
PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 634 / 98

CABLE: -W2001

ITEM: 36538243

MANUF. TYPE: CABLE 25G1,5 CY

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X101	1	1	-Xx		
=B1+CC100-X101	2	2	-Xx		
=B1+CC100-X101	3	3	-Xx		
=B1+CC100-X101	4	4	-Xx		
=B1+CC100-X101	5	5	-Xx		
=B1+CC100-X101	6	6	-Xx		
=B1+CC100-X101	7	7	-Xx		
=B1+CC100-X101	8	8	-Xx		
=B1+CC100-X101	9	9	-Xx		
=B1+CC100-X101	10	10	-Xx		
=B1+CC100-X101	11	11	-Xx		
=B1+CC100-X101	12	12	-Xx		
=B1+CC100-X101	13	13	-Xx		
=B1+CC100-X101	14	14	-Xx		
=B1+CC100-X101	15	15	-Xx		
=B1+CC100-X101	16	16	-Xx		
=B1+CC100-X101	17	17	-Xx		
=B1+CC100-X101	18	18	-Xx		
=B1+CC100-X101	19	19	-Xx		
=B1+CC100-X101	20	20	-Xx		
		21			
		22			
		23			
		24			
		GNYE			
=B1+CC100-X101	PE	SH1			

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DATE 13/12/2016
NAME jylostalo
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PROJECT E3P000423
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TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 635 / 98

CABLE: -W2002

ITEM: 36538265

MANUF. TYPE: GEN 7G1,5 sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X110	11	1	-Xx		
=B1+CC100-X110	12	2	-Xx		
=B1+CC100-X110	13	3	-Xx		
=B1+CC100-X110	14	4	-Xx		
=B1+CC100-X110	15	5	-Xx		
=B1+CC100-X110	16	6	-Xx		
		GNYE			
=B1+CC100-X110	TE3	sch			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 636 / 98

CABLE: -W2003

ITEM: 36538271

MANUF. TYPE: GEN 3G1,5

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
-Xx		1	=B1+CC100-X100	1	
-Xx		2	=B1+CC100-X100	2	
-Xx		GNYE	=B1+CC100-X100	PE	

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SHEET REV.	CHANGE	DATE	NAME

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 637 / 98

CABLE: -W2004

ITEM: 36538269

MANUF. TYPE: GEN 5G1,5

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+CC100-X100	3	1	=B1+MCC-Xx		
=B1+CC100-X100	4	2	=B1+MCC-Xx		
=B1+CC100-X100	6	3	-Xx		
=B1+CC100-X100	5	4	-Xx		
=B1+CC100-X100	PE	GNYE	-Xx		

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SHEET REV.	CHANGE	DATE	NAME

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CUSTOMER
PROJECT E3P000423
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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 638 / 98

CABLE: +BOILER-QE1351-W1

ITEM: 36538268

MANUF. TYPE: GEN 4x2x0.5+sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+BOILER-QC-1350.X90	B1	1a	=B1+BOILER-QE-1351	B1	
=B1+BOILER-QC-1350.X90	M	1b	=B1+BOILER-QE-1351	M	
=B1+BOILER-QC-1350.X90	B2	2a	=B1+BOILER-QE-1351	B2	
=B1+BOILER-QC-1350.X90	G2	3a	=B1+BOILER-QE-1351	G2	
=B1+BOILER-QC-1350.X90	U3	3b	=B1+BOILER-QE-1351	U3	
=B1+BOILER-QC-1350.X90	M	2b	=B1+BOILER-QE-1351	M	
		4a			
		4b			
=B1+BOILER-QC-1350		sch			

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 639 / 98

CABLE: +BOILER-QE1351-W2

ITEM: 36538271

MANUF. TYPE: GEN 3G1,5

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+BOILER-QC-1350.X89-4	L	1	=B1+BOILER-QE-1351	Q4 (L)	
=B1+BOILER-QC-1350.X89-4	N	2	=B1+BOILER-QE-1351	Q5 (N)	
=B1+BOILER-QC-1350.X89-4	PE	GNYE	=B1+BOILER-QE-1351	PE	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 640 / 98

CABLE: +BOILER ROOM-M1-W1

ITEM: 36538275

MANUF. TYPE: GEN EMC 3x...sch

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+BOILER ROOM-A10	U2	1	=B1+BURNER-M001	L1	
=B1+BOILER ROOM-A10	V2	2	=B1+BURNER-M001	L2	
=B1+BOILER ROOM-A10	W2	3	=B1+BURNER-M001	L3	
=B1+BOILER ROOM-A10	GND	sch	=B1+BURNER-M001	PE	

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TITLE CABLE SHEET

PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 641 / 98

CABLE: +BURNER-B70-W1

ITEM:

MANUF. TYPE:

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB102-X70	1	BN	=B1+BURNER-B-70	BN	
=B1+JB102-X70	2	BK	=B1+BURNER-B-70	BK	
=B1+JB102-X70	3	BU	=B1+BURNER-B-70	BU	

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016	CUSTOMER
NAME jylostalo	PROJECT E3P000423
APPROVED	MARK

oilon®

TITLE: CABLE SHEET

PRODUCT: GP-140...450 M, LN80

E3. PROJECT NO. E3P000423

DRW. REV. D

DOC. ID EL000423

SHEET 642 / 98

CABLE: +BURNER-M191-W3

ITEM: 36538092

MANUF. TYPE: AGG 5.641 CAN-BUS

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+JB100-X60	1	WH	=B1+M191-A1.X191.1	1	
=B1+JB100-X60	2	BN	=B1+M191-A1.X191.1	2	
=B1+JB100-X60	PE	BK	=B1+M191-A1.X191.1	5	
=B1+JB100-X60	4	GN	=B1+M191-A1.X191.1	4	
=B1+JB100-X60	3	YE	=B1+M191-A1.X191.1	3	
=B1+JB100-X60	TE	SH1	=B1+BURNER-M-191		
		SH2			

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
MARK

oilon®

TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 643 / 98

CABLE: +BURNER-QC1350-W2

ITEM: 36538092

MANUF. TYPE: AGG 5.641 CAN-BUS

DELIVERY STATUS: NOT INCLUDED IN OILON DELIVERY

DEVICE DESIGNATION / FROM	PIN / FROM	CORE	DEVICE DESIGNATION / TO	PIN / TO	LENGTH [mm]
=B1+M191-A1.X191.10	1	WH	=B1+BOILER-QC-1350.X92	12VAC1	
=B1+M191-A1.X191.10	2	BN	=B1+BOILER-QC-1350.X92	12VAC2	
=B1+M191-A1.X191.10	5	BK	=B1+BOILER-QC-1350.X92	GND	
=B1+M191-A1.X191.10	4	GN	=B1+BOILER-QC-1350.X92	CANL	
=B1+M191-A1.X191.10	3	YE	=B1+BOILER-QC-1350.X92	CANH	
=B1+BURNER-M-191		SH1	=B1+BOILER-QC-1350		
		SH2			

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SHEET REV.	CHANGE	DATE	NAME

DATE 13/12/2016
NAME jylostalo
APPROVED
CUSTOMER
PROJECT E3P000423
MARK

oilon®

TITLE CABLE SHEET
PRODUCT GP-140...450 M, LN80

E3. PROJECT NO. E3P000423
DRW. REV. D
DOC. ID EL000423
SHEET 644 / 98