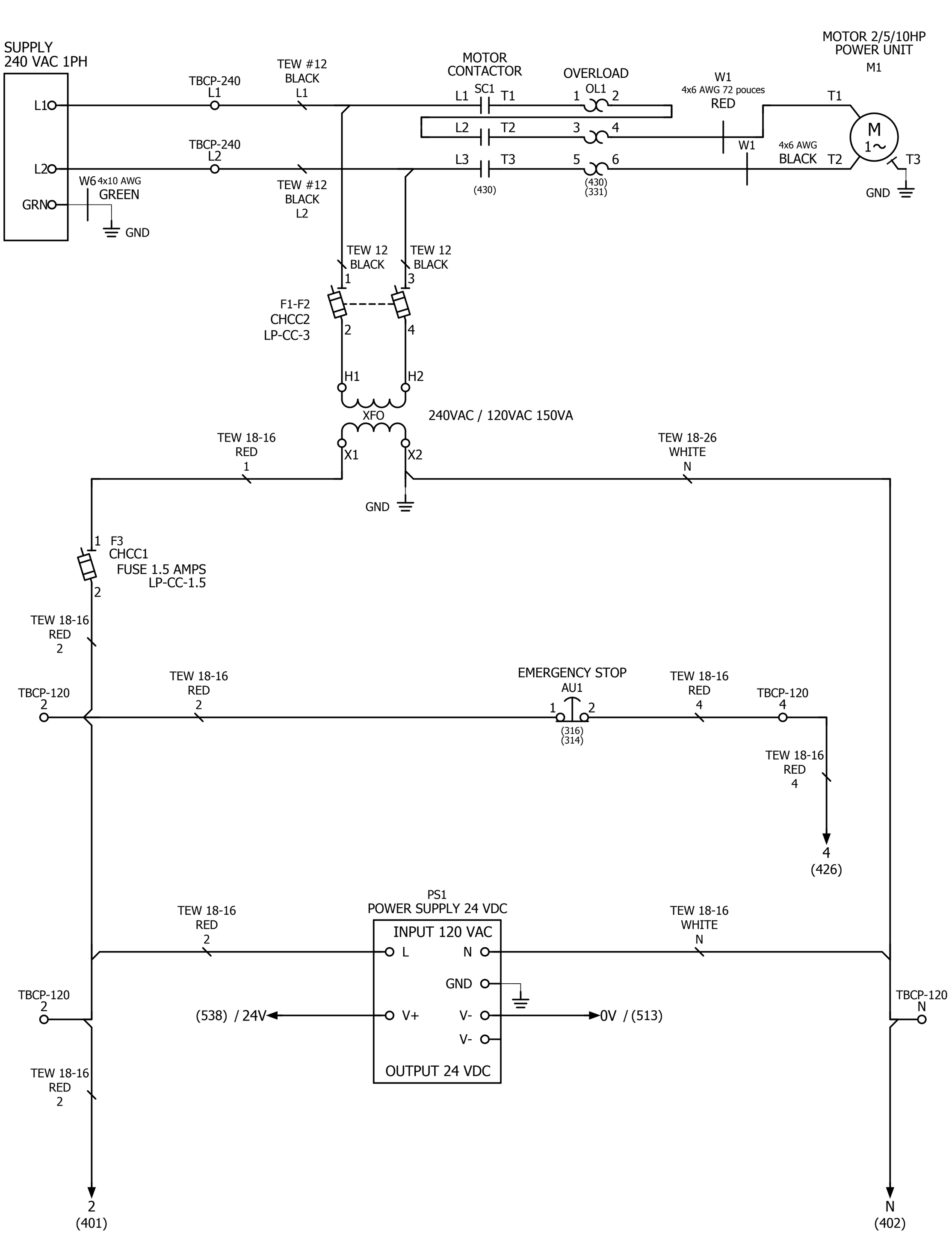
C:\Users\Public\EPLAN\Electric P8\Images\CompanyCode\LOGO MA 10 ANS SQUARE.JPG

MDA COMPACTION

2323, avenue des Érables
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Company / customer	
Drawing number	EP_SBK-010-240-1
Manufacturer (company)	MDA COMPACTION
Project name	BULLPAK BALER WITH SECURITY PACK
Contened of document	ELECTRICAL WIRING
Responsible for project	
Created on	2008.07.10
Edit date	2026.09.10
Number of pages	10



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DRAWING BY BRUNO LAPIERRE	DATE 2022.04.14	TITLE ELECTRICAL WIRING	
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INPUT
TM221CE16R

TEW 18-16 BLUE 24V → 24V / (339)

TEW 18-16 BLUE 0V ← (304) / 0V (TBCP-24 0V)

TEW 18-16 BLUE 0V → 0V / (304)

PRESSURE SWITCH ANALOG

TBCP-24 24V → W2 white 4x22 AWG → 1

TBCP-24 AN+ → W2 4x22 AWG → 2

TBCP-24 AN- → W2 4x22 AWG blue → 3

0 - 10 V

IFM

TEW 18-16 BLUE 0V → COM:

BLACK → AI0: analog

RED → AI0:

TEW 18-16 BLUE I0 ← (538) / I0

I0:

TEW 18-16 BLUE 24V → ACTION PB1 (3, 4) (411)

EMERGENCY STOP AU1 (3, 4) (223) (316) → I1:

EMERGENCY STOP AU1 (1, 2) (223) (314) → 24V-5 / (504)

TEW 18-16 BLUE I1

TEW 18-16 BLUE I2-5

TEW 18-16 BLUE I2

I2:

LOADING DOOR CODED MAGNET

(519) / I3 ← TBCP-24 I3 ← TEW 18-16 BLUE I3

I3:

TBCP-24 24V → W2 6x24 AWG RED → DOOR LOCK BE1 → W2 6x24 AWG BLUE

EJECT DOOR CODED MAGNET

(531) / I4 ← TBCP-24 I4 ← TEW 18-16 BLUE I4

I4:

TEW 18-16 BLUE 24V → OVERLOAD OL1 (97, 98) (204)

TEW 18-16 BLUE I5

I5:

I6:

WARNING ONLY INSTALL MODE

TBCP-24I 24V

INSTALL MODE INSERT JUMP CYLINDER RETRACTED ← TBCP-24I I7 ← TEW 18-16 BLUE I7

I7:

INSTALL MODE INSERT JUMP CYLINDER EXTENDED ← TBCP-24I I8 ← TEW 18-16 BLUE I8

I8:

24V (303)

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OUTPUT
TM221CE16R

L: TEW 18-16 RED 2 ← 2 (238)

N: TEW 18-16 WHITE N → TBCP-120 N ← N (238)

GNR: TEW 14-41 GREEN → GND

COM0: TEW 18-16 BLUE 24V → 24V / (413)

Q0: TEW 18-16 BLUE Q0 → LIGHT BUTTON PB1 (x1, x2, ORANGE (318)) → TEW 18-16 BLUE 0V

(409) 24V → W2 6x24 AWG BROWN → TBCP-24 24V

Q1: TEW 18-16 BLUE Q1 → TBCP-24 Q1 → W2 6x24 AWG ORANGE → DOOR LOCK BE (A1, A2, B1)

W2 6x24 AWG BLACK → TBCP-24 0V → 0V / (416)

0V (415)

Q2:

Q3: TEW 18-16 BLUE Q3 → SYSTEM READY LT2 (x1, x2, GREEN) → TEW 18-16 BLUE 0V

COM1: TEW 18-16 RED 4 ← 4 (227)

4

Q4: TEW 18-16 RED Q4 → Q4 / (532)

(532) / Q4-1 → OVERLAOD OL1 (96, 95) (204) → TEW 18-16 RED 3 → CONTACTOR MOTOR SC1 (A1, A2)

TEW 18-16 WHITE N

21 22 (516)
L1 T1 (204)
L2 T2 (205)
L3 T3 (206)

2 HAND PUSH BUTTON BP2

Q5: TEW 18-16 RED Q5 → 1, 2 (502) → Q5-1 / (534)

(534) / Q5-2 → TBCP-120 Q5-2 → W6 3x18 AWG BLACK → VALVE EXTENDED CYLINDER SVA (x1, x2) → W6 3x18 AWG WHITE → TBCP-120 N

Q6: TEW 18-16 RED Q6 → Q6 / (536)

(536) / Q6-1 → TBCP-120 Q6-1 → W7 3x18 AWG BLACK → VALVE RETRACTED CYLINDER SVB (x1, x2) → W7 3x18 AWG WHITE → N

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OPTION BULLPEN
BULLPEN CODED MAGNET

2 HAND PUSH BUTTON

BLACK WHITE — TBCP-AU 22-5 — BP2 3 4 (434)

YELLOW GREEN — TBCP-AU 24-5 — BP2 3 4

RED → 24V /

BLUE → 0V / (507)

TBCP-AU 24

TBCP-AU 23

24V-5 (316)

0V (506)

TEW 18-16 BLUE 24V-5 — CS1 A1

TEW 18-16 BLUE 0V — A2

TEW 18-16 BLUE 22 — S11

TEW 18-16 BLUE 23 — S12

TEW 18-16 BLUE 0V — S21

TEW 18-16 BLUE 0V — S22

TEW 18-16 BLUE 24 — S52

LOADING DOOR CODED MAGNET

Allen Bradley Guard master

PINK — TBCP-AU 28 — 1 2

BLUE — TBCP-24 0V

GREY — TBCP-AU 29

RED

YELLOW

BROWN

WHITE → I3 / (322)

0V (233)

1 2

TEW 18-16 BLUE 26 — SC1 21 22 — TEW 18-16 BLUE 27 — ACTION BP1 3 4 — S34

(430)

TBCP-AU 31

TBCP-AU 30

EJECT DOOR CODED MAGNET

Allen Bradley Guard master

PINK

BLUE

GREY

RED — TBCP-24 24V

YELLOW

BROWN

WHITE → I4 / (327)

TEW 18-16 RED Q4 — Q4 / (430) — 13 14 — TEW 18-16 RED Q4-1 — Q4-1 / (430)

TEW 18-16 RED Q5-1 — Q5-1 / (434) — 23 24 — TEW 18-16 RED Q5-2 — Q5-2 / (435)

TEW 18-16 RED Q6 — Q6 / (438) — 33 34 — TEW 18-16 RED Q6-1 — Q6-1 / (439)

TBCP-24 24V — (233) / 24V

TEW 18-16 BLUE 24V — 41 42 — I0 / (310)

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DRAWING BY BRUNO LAPIERRE	DATE 2022.04.14	TITLE	ELECTRIC WIRING SECURITY SYST
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Terminal line-up diagram

F12_001_en_us

part number					
Mounting rail		partition	Strip label	End angle rear	end plate
terminal					
part number	Type number	partition	terminal label	jumper	cover
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					

TBCP-24

	AN+	
	AN-	
	0V	
	0V	
	0V	
●	24V	
●	24V	
	24V	
●	24V	
●	24V	
	I3	
	I4	
	Q1	

Terminal line-up diagram

F12_001_en_us

part number					
Mounting rail		partition	Strip label	End angle rear	end plate

terminal					
part number	Type number	partition	terminal label	jumper	cover
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					

TBCP-120

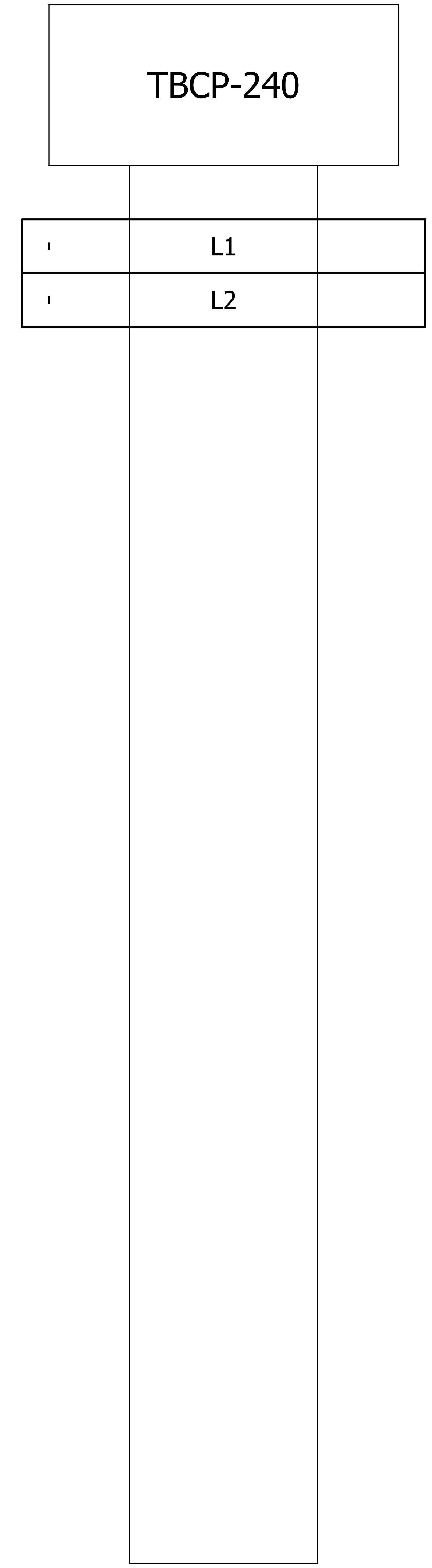
	N	
	N	
	N	
	2	
	2	
	4	
	Q5-2	
	Q6-1	

ePLAN electric P8	Project name: EP_SBK-010-240-1	Drawing number:	Customer: MDA COMPACTION	Modification	Date	Name		Date	Name	Original:	TERMINAL BLOCK TBCP-120	Higher-level function: =	Mounting location: +
							Ed	2008.07.10		Approved by:			
		Customer code:					Appr	2022.04.14	Blapierre	Checked by:	Commission: ???	Page group: 10	Page: 7
										Previous page: 6	Total no. of pages: 10		Next page: 8

Terminal line-up diagram

F12_001_en_us

part number					
Mounting rail		partition	Strip label	End angle rear	end plate
terminal					
part number	Type number	partition	terminal label	jumper	cover
EBOR-0001					
EBOR-0001					



Terminal line-up diagram

F12_001_en_us

part number					
Mounting rail		partition	Strip label	End angle rear	end plate

terminal					
part number	Type number	partition	terminal label	jumper	cover
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					
EBOR-0001					

TBCP-AU

'	22-5	
'	23	
'	24	
'	24-5	
'	28	
'	29	
'	30	
'	31	

Terminal line-up diagram

F12_001_en_us

part number					
Mounting rail		partition	Strip label	End angle rear	end plate
terminal					
part number	Type number	partition	terminal label	jumper	cover
EBOR-0001					
EBOR-0001					
EBOR-0001					

