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

MDA COMPACTION

2323, avenue des Érables
Plessiville QC, Canada G6L 2E9
Phone. (819) 362-2424
Fax.

Company / customer

Drawing number EP_SBK-010-208

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 2026.09.23

Number of pages 10

MOTOR 10HP=MODEL SERIE P
MOTOR 5HP SERIE M
MOTOR 2HP / 3HP=MODEL SERIE B
POWER UNIT

POWER
208 VAC

L1
L2
L3

TBCP-208 L1
TBCP-208 L2
TBCP-208 L3

MOTOR
CONTACTOR
SC1
L1 T1
L2 T2
L3 T3
(430)

OVERLOAD
OL1
1 2
3 4
5 6
(430)
(331)

W1
4x8 AWG 72 pouces
RED

M1
T1
T2
T3
M
3~
GND

W1
4x8 AWG
BLACK

W1
4x8 AWG
WHITE

TEW 8
BLACK
1
3

F1-F2
CHCC2
LP-CC-2
2
4

H1
H2

XFO
208VAC / 120VAC 150VA

TEW 18-16
RED
1

X1
X2

GND

TEW 18-16
WHITE
N

1 F3
CHCC1
FUSE 1.5 AMPS
LP-CC-1.5
2

TEW 18-16
RED
2

TBCP-120
2

TEW 18-16
RED
2

EMERGENCY STOP
AU1
1 2
(316)
(314)

TEW 18-16
RED
4

TBCP-120
4

TEW 18-16
RED
4

4
(426)

PS1
POWER SUPPLY 24 VDC
INPUT 120 VAC
L
N
GND
V+
V-
V-
OUTPUT 24 VDC

(303) / 24V
0V / (304)

TEW 18-16
RED
2

TEW 18-16
WHITE
N

TBCP-120
2

TBCP-120
N

TEW 18-16
RED
2

2
(401)

N
(402)

MDA COMPACTION
2323, avenue des Érables
Plessiville QC, Canada G6L 2E9
(819) 362-2424
www.mdacompaction.ca

REV #	PAGE	DESCRIPTION OF THE REVIEW	BY	DATE

DRAWING BY BRUNO LAPIERRE	DATE 2026.09.23	TITLE ELECTRICAL WIRING	
CHECK BY	DATE	PROJECT EP_SBK-010-208	
APPROVED BY	DATE	REVIEW	PAGE 2 DI 10

INPUT
TM221CE16R

TEW 18-16 BLUE 24V → 24V / (233)

TBCP-24 0V → (415) / 0V

TEW 18-16 BLUE 0V → 0V / (233)

PRESSURE SWITCH ANALOG

TBCP-24 24V — W2 white 4x22 AWG — 1

TBCP-24 AN+ — W2 brown 4x22 AWG — 2

TBCP-24 AN- — W2 4x22 AWG blue — 3

0 - 10 V

IFM

BLACK → AI0: analog

RED → AI0:

(538) / I0 → TEW 18-16 BLUE I0 → I0:

TEW 18-16 BLUE 24V → EMERGENCY STOP AU1 3 4 (224) (316) → TEW 18-16 BLUE I1 → I1:

EMERGENCY STOP AU1 1 2 → 24V-5 / (504) (224) (314)

TEW 18-16 BLUE 24V → ACTION PB1 3 4 (411) → 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 (409)

MDA COMPACTION
2323, avenue des Érables
Plessiville QC, Canada G6L 2E9
(819) 362-2424
www.mdacompaction.ca

REV #	PAGE	DESCRIPTION OF THE REVIEW	BY	DATE

DRAWING BY BRUNO LAPIERRE	DATE 2022.04.04	TITLE ELECTRICAL WIRING INPUT	
CHECK BY	DATE	PROJECT EP_SBK-010-208	
APPROVED BY	DATE	REVIEW	PAGE 3 DI 10

OUTPUT
TM221CE16R

L:
TEW 18-16
RED
2
2
(239)

N:
TEW 18-16
WHITE
N
N
(239)
TBCP-120
N

GNR:
TEW 14-41
GREEN
GND

COM0:
TEW 18-16
BLUE
24V
24V / (339)

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

(538)
24V
W2
6x24 AWG
BROWN
TBCP-24
24V
DOOR LOCK
BE
A1
A2
B1
W2
6x24 AWG
BLACK
TBCP-24
0V
0V / (304)
0V
(513)

Q1:
TEW 18-16
BLUE
Q1
TBCP-24
Q1
W2
6x24 AWG
ORANGE

Q2:

COM1:
TEW 18-16
RED
4
4
(228)
4

Q3:
TEW 18-16
BLUE
Q3
SYSTEM READY
LT2
x1
x2
GREEN
TEW 18-16
BLUE
0V

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
21 22 (516)
L1 T1 (204)
L2 T2 (205)
L3 T3 (206)
TEW 18-16
WHITE
N

Q5:
2 HAND PUSH BUTTON
TEW 18-16
RED
Q5
BP2
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

MDA COMPACTION
2323, avenue des Érables
Plessiville QC, Canada G6L 2E9
(819) 362-2424
www.mdacompaction.ca

REV #	PAGE	DESCRIPTION OF THE REVIEW	BY	DATE

DRAWING BY BRUNO LAPIERRE	DATE 2022.04.04	TITLE ELECTRICAL WIRING OUTPUT	
CHECK BY	DATE	PROJECT EP_SBK-010-208	
APPROVED BY	DATE	REVIEW	PAGE 4 DI 10

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
3 4

RED → 24V /
BLUE → 0V / (507)

TBCP-AU 24

TBCP-AU 23

24V-5 (316)

0V (506)

TEW 18-16 BLUE 24V-5

TEW 18-16 BLUE 0V

CS1 A1 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

0V (416)

RED

YELLOW

BROWN

WHITE → I3 / (322)

1 2

TEW 18-16 BLUE 26 21 SC1 22 27 S34

TEW 18-16 BLUE

ACTION BP1 3 4

(430)

EJECT DOOR CODED MAGNET

TBCP-AU 31

TBCP-AU 30

Allen Bradley Guard master

PINK

BLUE

GREY

RED

YELLOW

BROWN

WHITE → I4 / (327)

TBCP-24 24V

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

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

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

TEW 18-16 BLUE 24V 41 42

TBCP-24 24V

(413) / 24V → I0 / (310)

MDA COMPACTION
2323, avenue des Érables
Plessiville QC, Canada G6L 2E9
(819) 362-2424
www.mdacompaction.ca

REV #	PAGE	DESCRIPTION OF THE REVIEW	BY	DATE

DRAWING BY BRUNO LAPIERRE	DATE 2022.04.04	TITLE	ELECTRIC WIRING SECURITY SYST
CHECK BY	DATE	PROJECT	EP_SBK-010-208
APPROVED BY	DATE	REVIEW	PAGE 5 DI 10

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					
EBOR-0001					

TBCP-120

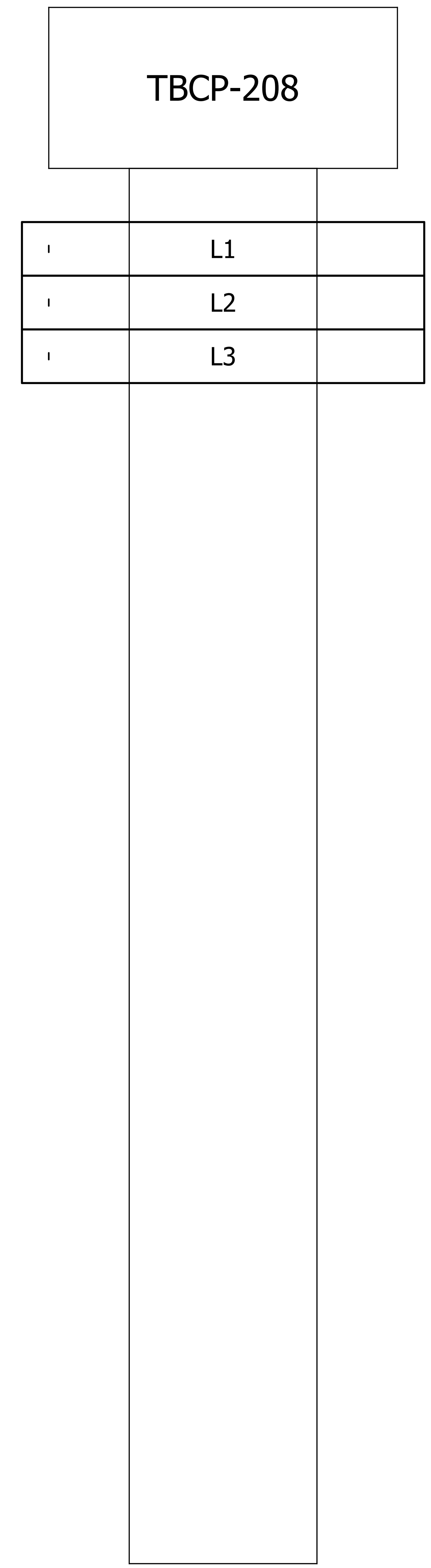
	N	
	N	
	N	
	2	
	2	
	4	
	Q5-2	
	Q6-1	

ePLAN electric P8	Project name: EP_SBK-010-208	Drawing number:	Customer: MDA COMPACTION	Modification	Date	Name		Date	Name	Original:	Plan des bornes associables TBCP-120	Higher-level function: =	Mounting location: +
							Ed	2008.07.10		Approved by:			
		Customer code:					Appr	2026.09.23	Blapierre	Checked by:	Commission: ???		Page: 7
										Previous page: 6	Total no. of pages: 10	Page group: 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					
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					

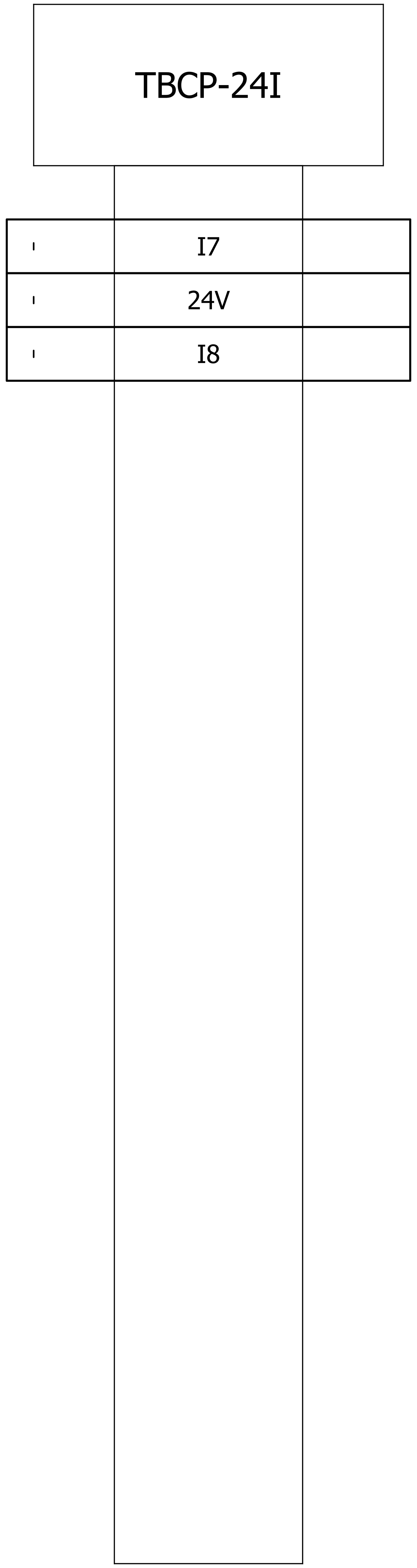
TBCP-AU

'	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					



Project name:
EP_SBK-010-208

Drawing number:
Customer code:

Customer:
MDA COMPACTION

Modification	Date	Name		Date	Name
			Ed	2008.07.10	
			Appr	2026.09.23	Blapierre

Original:
Approved by:
Checked by:
Previous page: 9

Plan des bornes associables
TBCP-24I
Commission: ???
Total no. of pages: 10

Higher-level function:
=
Page group: 10

Mounting location:
+
Page: 10
Next page: