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MDA COMPACTION

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

Company / customer	
Drawing number	EP _DBK-010-600
Manufacturer (company)	MDA COMPACTION
Project name	BULLPAK DUO BALER WITH SECURITY PACK
Contened of document	ELECTRICAL WIRING
Responsible for project	
Created on	2008.07.10
Edit date	2026.07.07
Number of pages	13

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DRAWING BY BRUNO LAPIERRE	DATE 2022.04.04	TITLE TITLE PAGE	
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MOTOR 10HP=MODEL SERIE P
MOTOR 5HP SERIE M
MOTOR 2HP / 3HP=MODEL SERIE B
POWER UNIT

POWER
600 VAC

L1
L2
L3

TBCP-600 L1
TBCP-600 L2
TBCP-600 L3

MOTOR
CONTACTOR
SC1
L1 T1
L2 T2
L3 T3
(606)

OVERLOAD
OL1
1 2
3 4
5 6
(606)
(338)

W1
4x12 AWG 72 pouces
RED

W1
4x12 AWG
BLACK

W1
4x6 AWG
WHITE

M1
T1
T2
T3
M
3~
GND

TEW 12
BLACK
1

TEW 12
BLACK
3

F1-F2
CHCC2
LP-CC-8/10
2
4
H1
H2

XFO
600VAC / 120VAC 150VA
X1
X2
GND

TEW 18-16
RED
1

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
(319)
(318)

TEW 18-16
RED
4

TBCP-120
4

TEW 18-16
RED
4

4
(536)

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

TBCP-120
2

TEW 18-16
RED
2

TEW 18-16
WHITE
N

TBCP-120
N

TEW 18-16
BLUE
24V

0V / (715)

TEW 18-16
RED
2

2
(502)

N
(502)

(305)
0V

OPTION BULLPEN

BULLPEN CODED MAGNET

TBCP-24
24V

CM9
YELLOW
GREEN
(238)

TBCP-24
43

CM9
BLACK
WHITE
(238)

TBCP-24
42

TEW 18-16
BLUE
42

CONTACTOR SECURITY
SC2
A1
A2
13 14 (705)
23 24 (706)
33 34 (806)
43 44 (808)

TBCP-24
0V

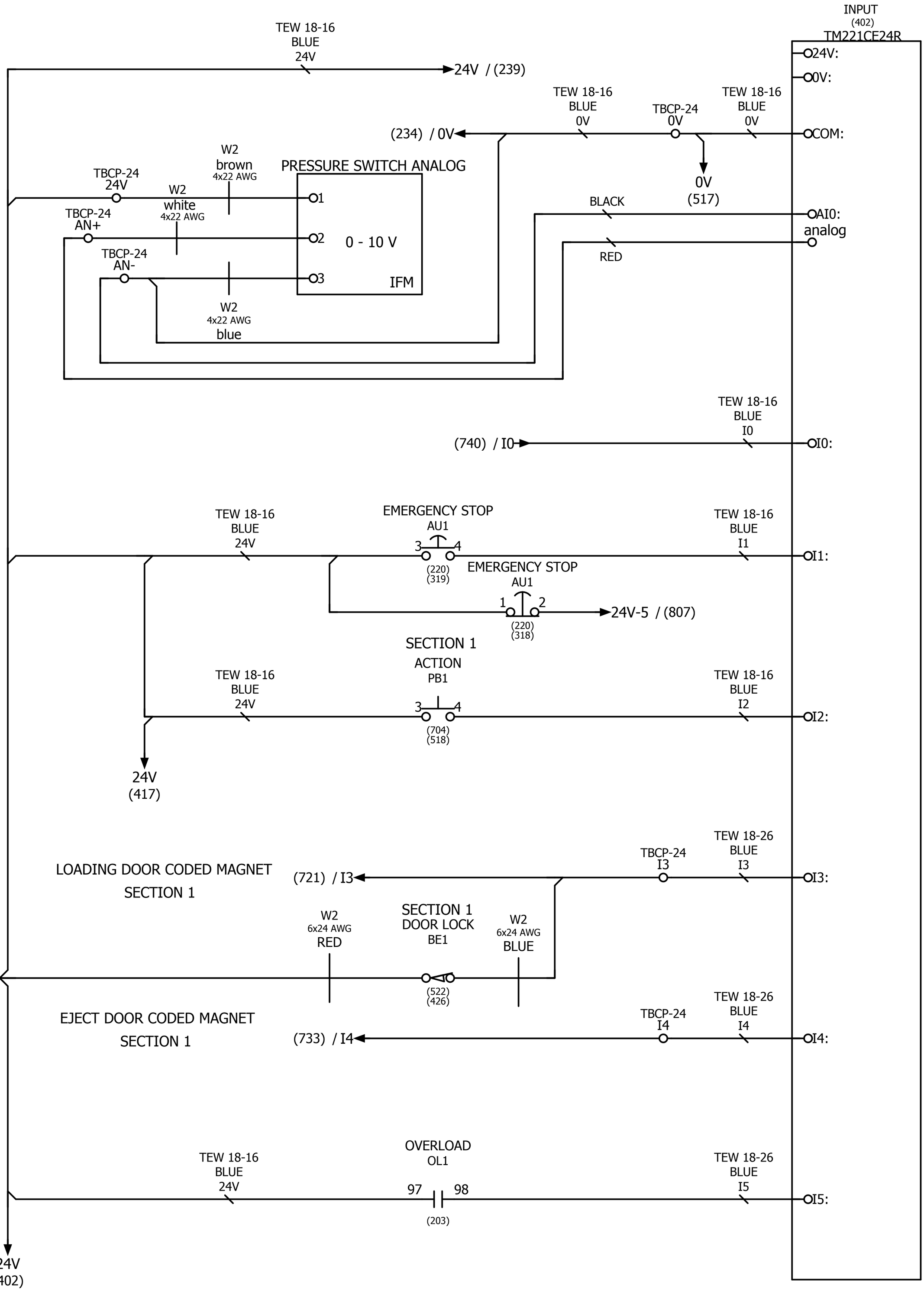
24V
(303)

POWER
RED 24V
0V BLUE

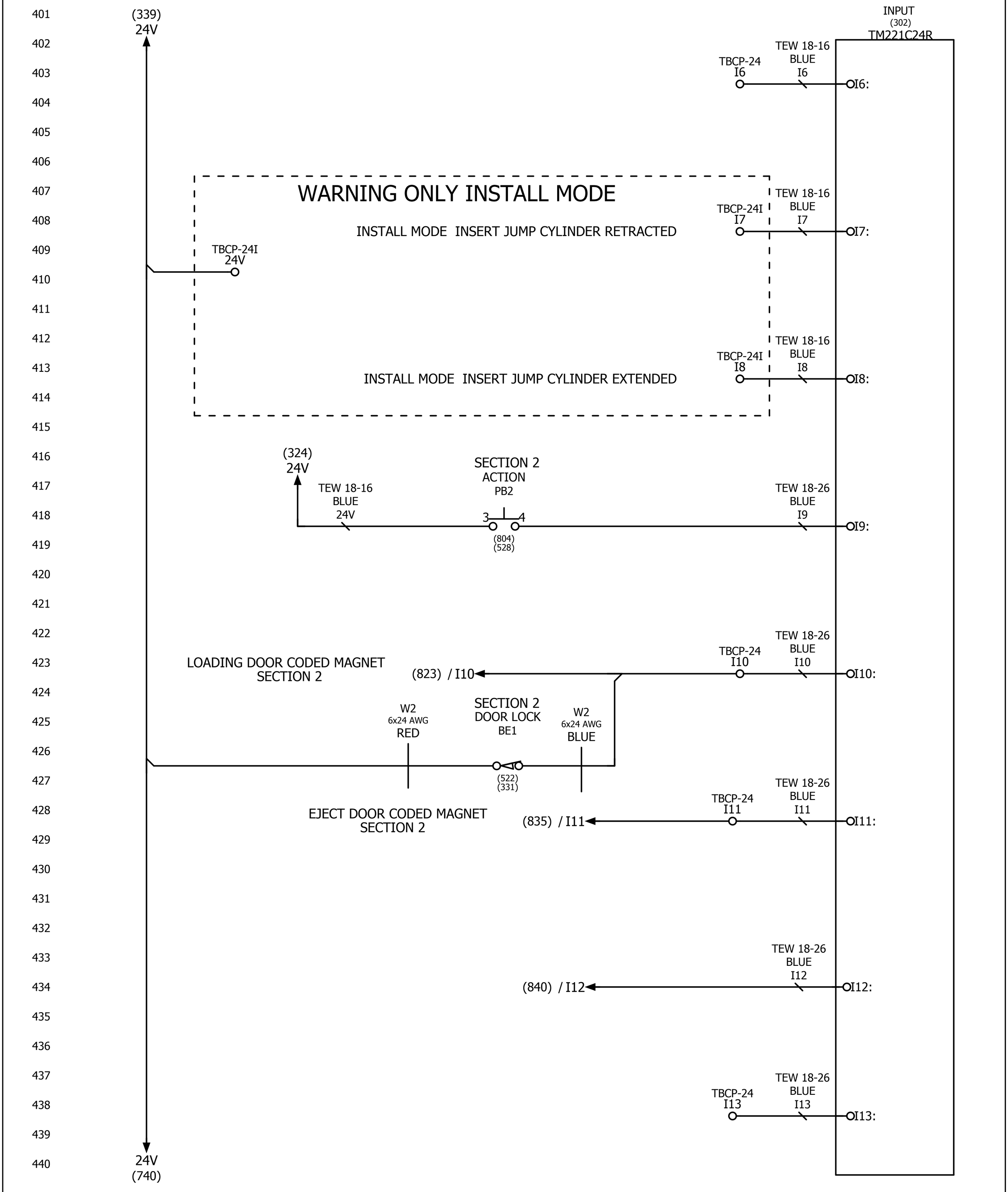
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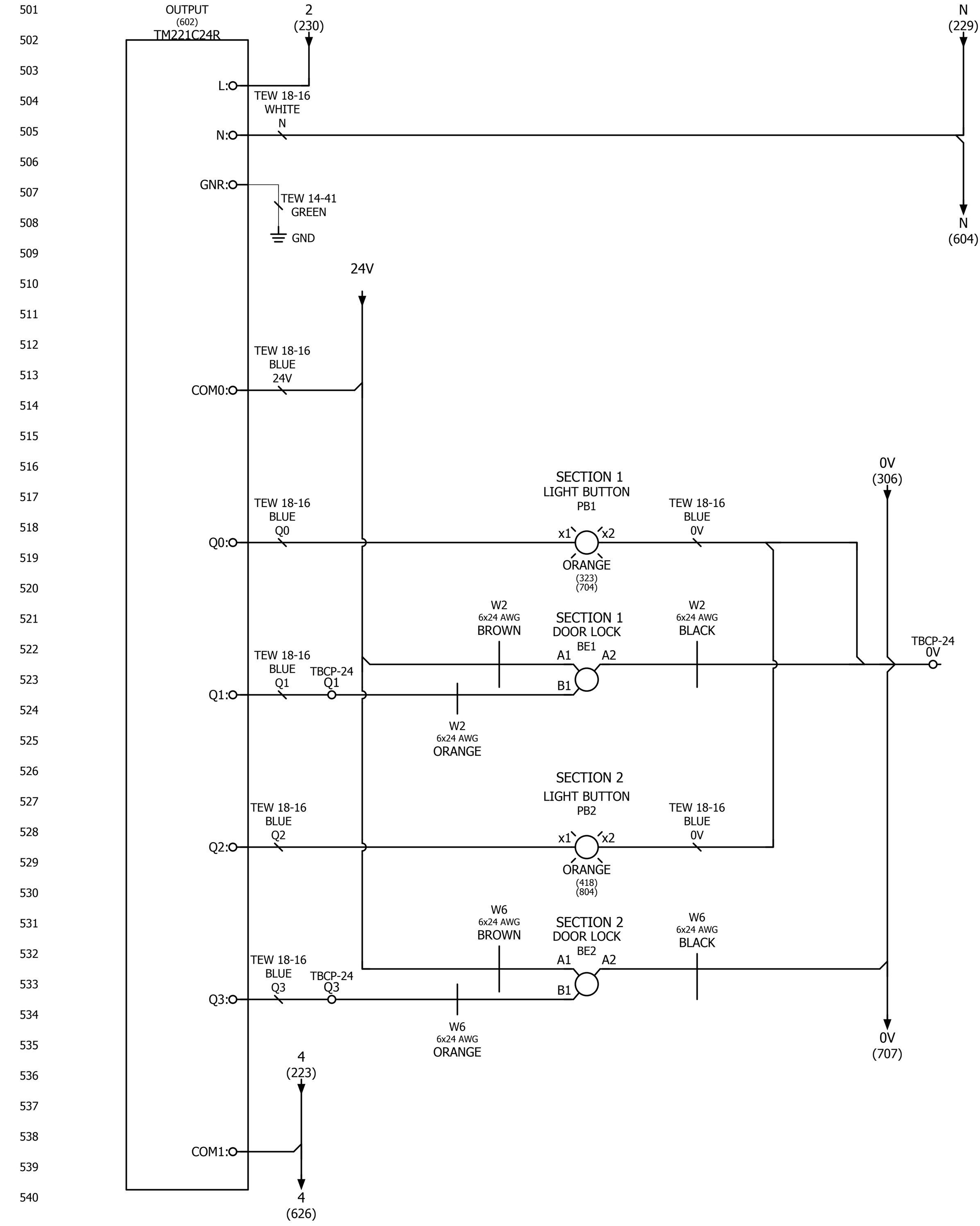
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MDA COMPACTION 2323, avenue des Érables Plessiville QC, Canada G6L 2E9 (819) 362-2424 www.mdacompaction.ca	REV #	PAGE	DESCRIPTION OF THE REVIEW	BY	DATE	DRAWING BY BRUNO LAPIERRE	DATE 2022.04.04	TITLE ELECTRICAL WIRING INPUT NEXT
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OUTPUT
(502)
TM221C24R

N
(507)

Q4 / (734)
TEW 18-16
RED
Q4
Q4: Q4 / (834)

(734) / Q4-1
(834) / Q4-1
OVERLOAD
OL1
96 95
(203)
TEW 18-16
RED
3
MOTOR CONTACTOR
SC1
A1 A2
21 22 (718)
61 62 (818)
L1 T1 (203)
L2 T2 (204)
L3 T3 (205)

2 HAND PUSH BUTTON
BP3
TEW 18-16
RED
Q5
Q5: 1 2 Q5-1 / (736)
(633)

W10
3x18 AWG
BLACK
TBCP-120
Q5-2
(736) / Q5-2
SECTION 1
VALVE EXTENDED CYLINDER
SV1-A
x1 x2
W10
3x18 AWG
WHITE
TBCP-120
N

TEW 18-16
RED
Q6
Q6: Q6 / (738)

W11
3x18 AWG
BLACK
TBCP-120
Q6-1
(738) / Q6-1
SECTION 1
VALVE RETRACTED CYLINDER
SV1-B
x1 x2
W11
3x18 AWG
WHITE

TEW 18-16
RED
Q7
Q7:

SYSTEM READY
LT2
x1 x2
GREEN
TEW 18-16
WHITE
N

(540)
4
TEW 18-16
RED
4
COM 2:

2 HAND PUSH BUTTON
BP3
TEW 18-16
RED
Q8
Q8: 1 2 Q8-1 / (836)
(611)

W12
3x18 AWG
BLACK
TBCP-120
Q8-2
(836) / Q8-2
SECTION 2
VALVE EXTENTED CYLINDER
SV2-A
x1 x2
W12
3x18 AWG
WHITE
TBCP-120
N

TEW 18-16
RED
Q9
Q9: Q9 / (838)

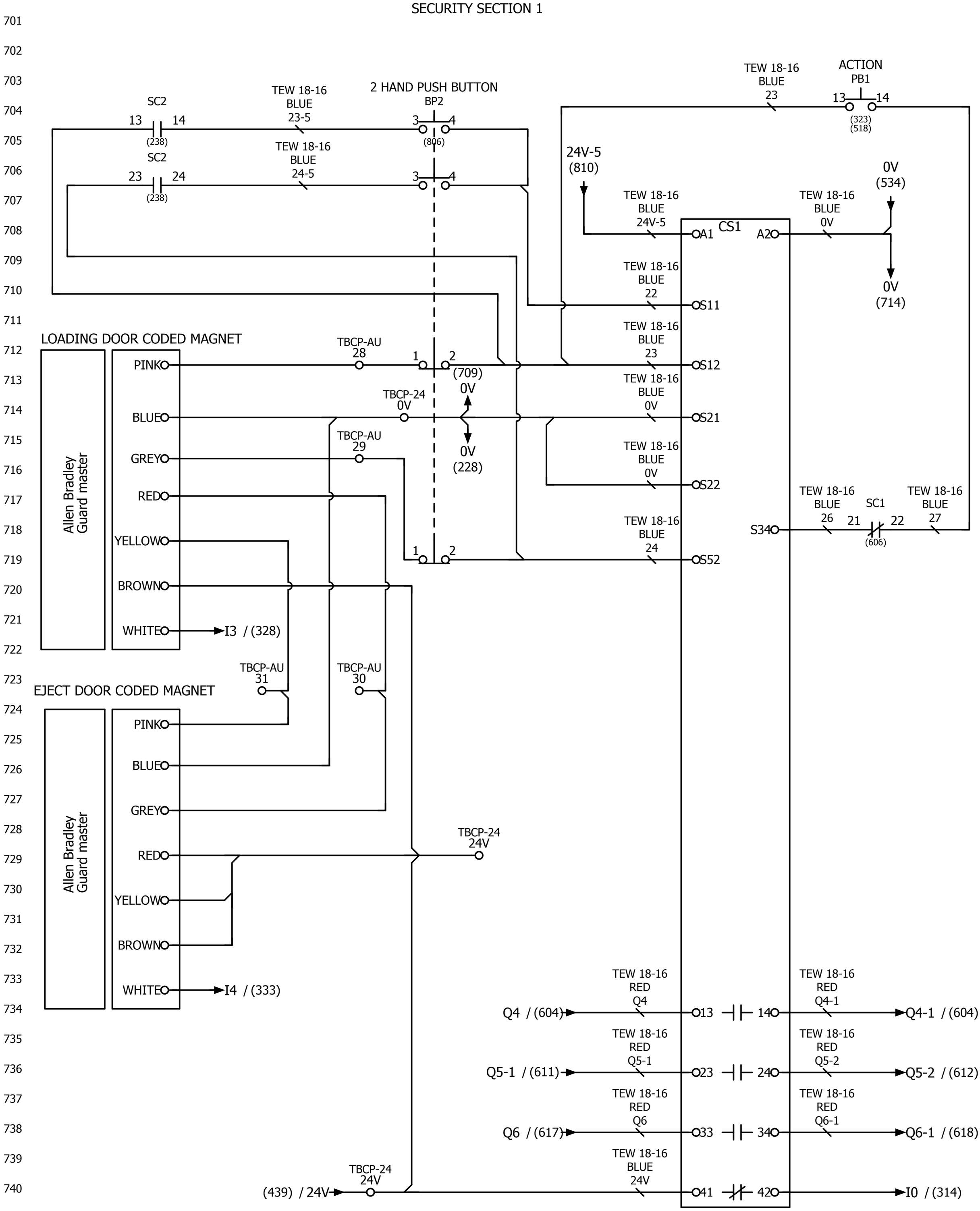
W13
3x18 AWG
BLACK
TBCP-120
Q9-1
(838) / Q9-1
SECTION 2
VALVE RETRACTED CYLINDER
SV2-B
x1 x2
W13
3x18 AWG
WHITE

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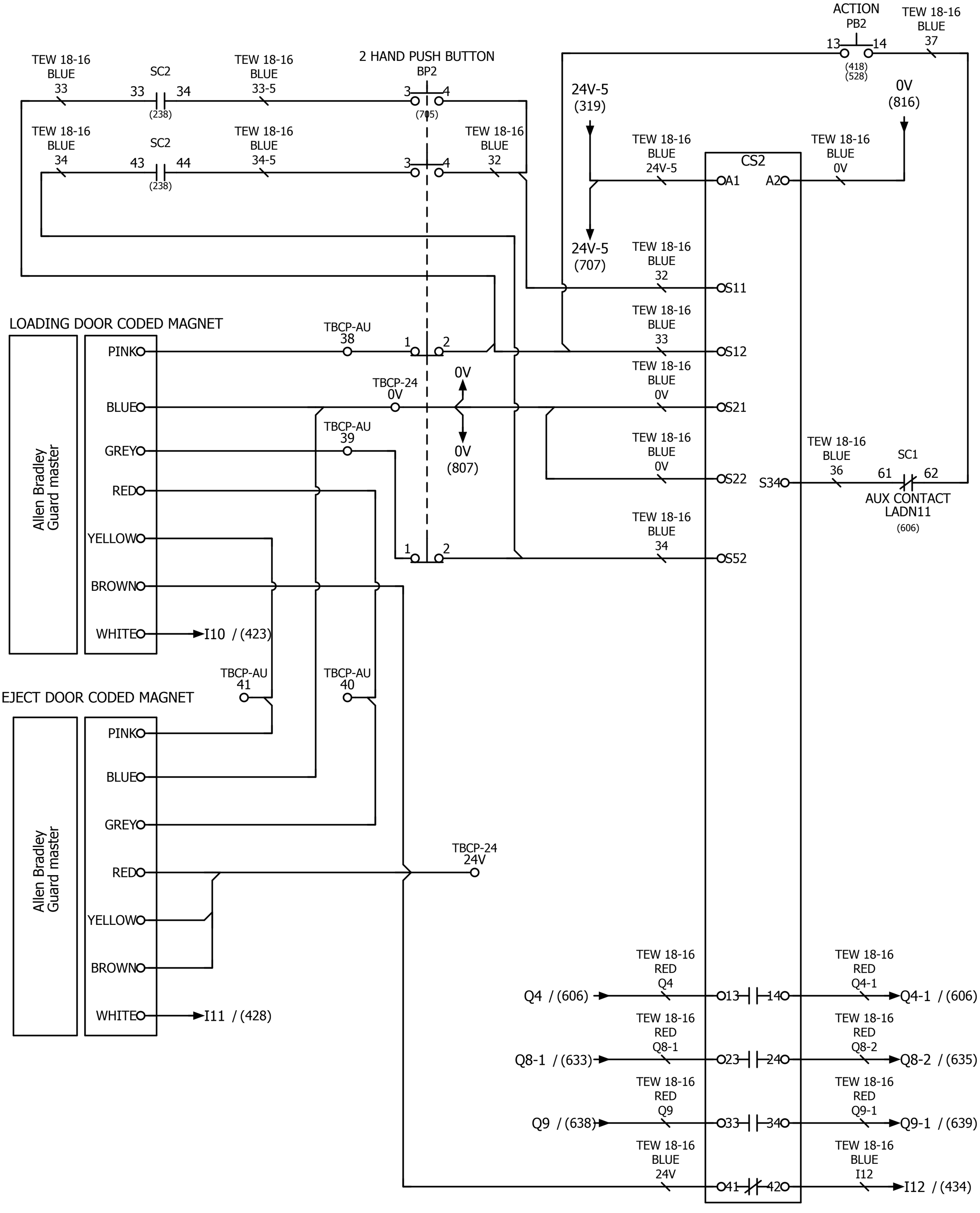
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SECURITY SECTION 1



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SECURITY SECTION 2



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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					
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	
	0V	
	0V	
	24V	
	24V	
	24V	
	24V	
	24V	
	42	
	43	
	Q1	
	Q3	
	I3	
	I4	
	I6	
	I10	
	I11	
	I13	

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					

TBCP-120

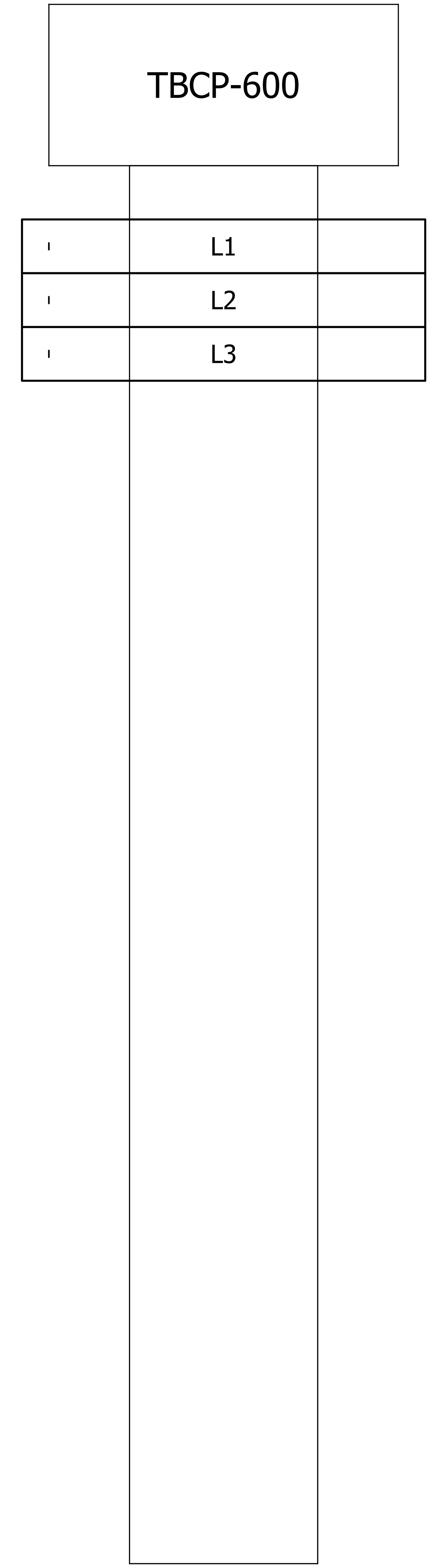
	N	
	N	
	N	
	2	
	2	
	4	
	Q9-1	
	Q5-2	
	Q6-1	
	Q8-2	

ePLAN electric P8	Project name: EP_DBK-010-600	Drawing number:	Customer: MDA COMPACTION	Modification	Date	Name		Date	Name	Original:	Plan des bornes associables TBCP-120
		Customer code:					Ed	2008.07.10		Approved by:	Higher-level function: =
							Appr	2022.04.04	Blapierre	Checked by:	Mounting location: +
										Commission:	Page: 10
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											Page group: 13
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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					



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

	28	
	29	
	30	
	31	
	38	
	39	
	40	
	41	

ePLAN electric P8	Project name: EP_DBK-010-600	Drawing number:	Customer: MDA COMPACTION	Modification	Date	Name		Date	Name	Original:	Plan des bornes associables TBCP-AU	Higher-level function: =	Mounting location: +
							Ed	2008.07.10		Approved by:			
		Customer code:					Appr	2022.04.04	Blapierre	Checked by:	Commission:		Page: 12
										Previous page: 11	Total no. of pages: 13	Page group: 13	Next page: 13

Terminal line-up diagram

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					

