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MDA COMPACTION

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

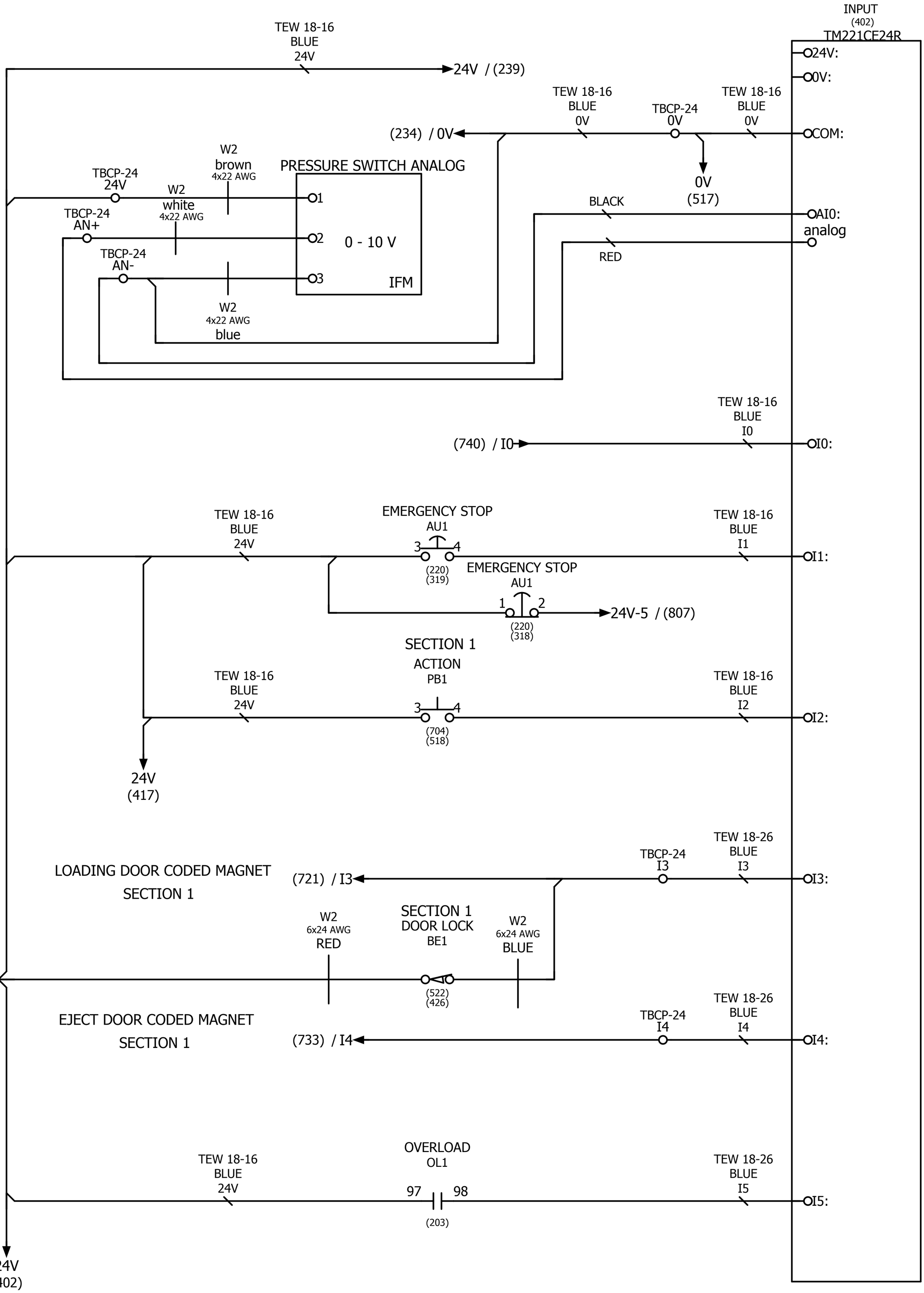
Company / customer	
Drawing number	EP _DBK-010-240-1
Manufacturer (company)	MDA COMPACTION
Project name	BULLPAK DUO BALER WITH SECURITY PACK
Contened of document	ELECTRICAL WIRING
Responsible for project	
Created on	2008.07.10
Edit date	2026.10.27
Number of pages	13

SUPPLY
240 VAC 1PH
L1
L2
GRN
W6 4x10 AWG
GREEN
GND
TBCP-240
L1
TBCP-240
L2
TEW #12
BLACK
L1
TEW #12
BLACK
L2
MOTOR
CONTACTOR
SC1
L1 T1
L2 T2
L3 T3
(606)
OVERLOAD
OL1
1 2
3 4
5 6
(606)
(338)
W1
4x6 AWG 72 pouces
RED
W1
4x6 AWG
BLACK
MOTOR 2/5/10HP
POWER UNIT
M1
T1
T2
T3
M
1~
GND
TEW 12
BLACK
1
TEW 12
BLACK
3
F1-F2
CHCC2
LP-CC-3
2
4
H1
H2
XFO
240VAC / 120VAC 150VA
X1
X2
GND
TEW 18-16
RED
1
TEW 18-26
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
0V / (715)
TBCP-120
2
TEW 18-16
RED
2
TEW 18-16
WHITE
N
TBCP-120
N
TEW 18-16
BLUE
24V
TEW 18-16
RED
2
2
(502)
N
(502)
(305)
0V
OPTION BULLPEN
BULLPEN CODED MAGNET
CM9
CM9
TBCP-24
24V
YELLOW
GREEN
TBCP-24
43
BLACK
WHITE
(238)
(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
POWER
RED
24V
0V
BLUE
24V
(303)

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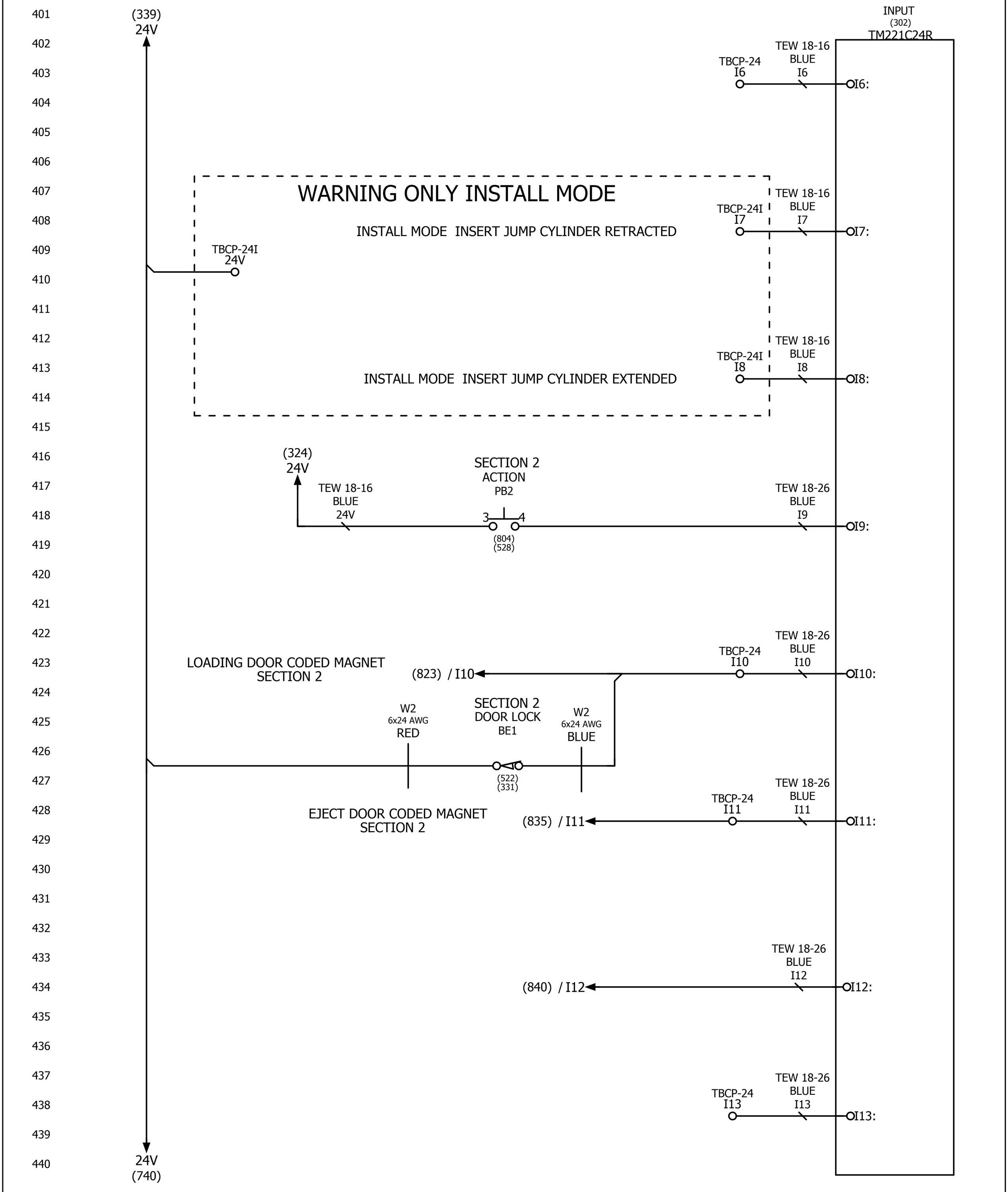
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CHECK BY	DATE	PROJECT EP _DBK-010-240-1	
APPROVED BY	DATE	REVIEW	PAGE 2 DI 13



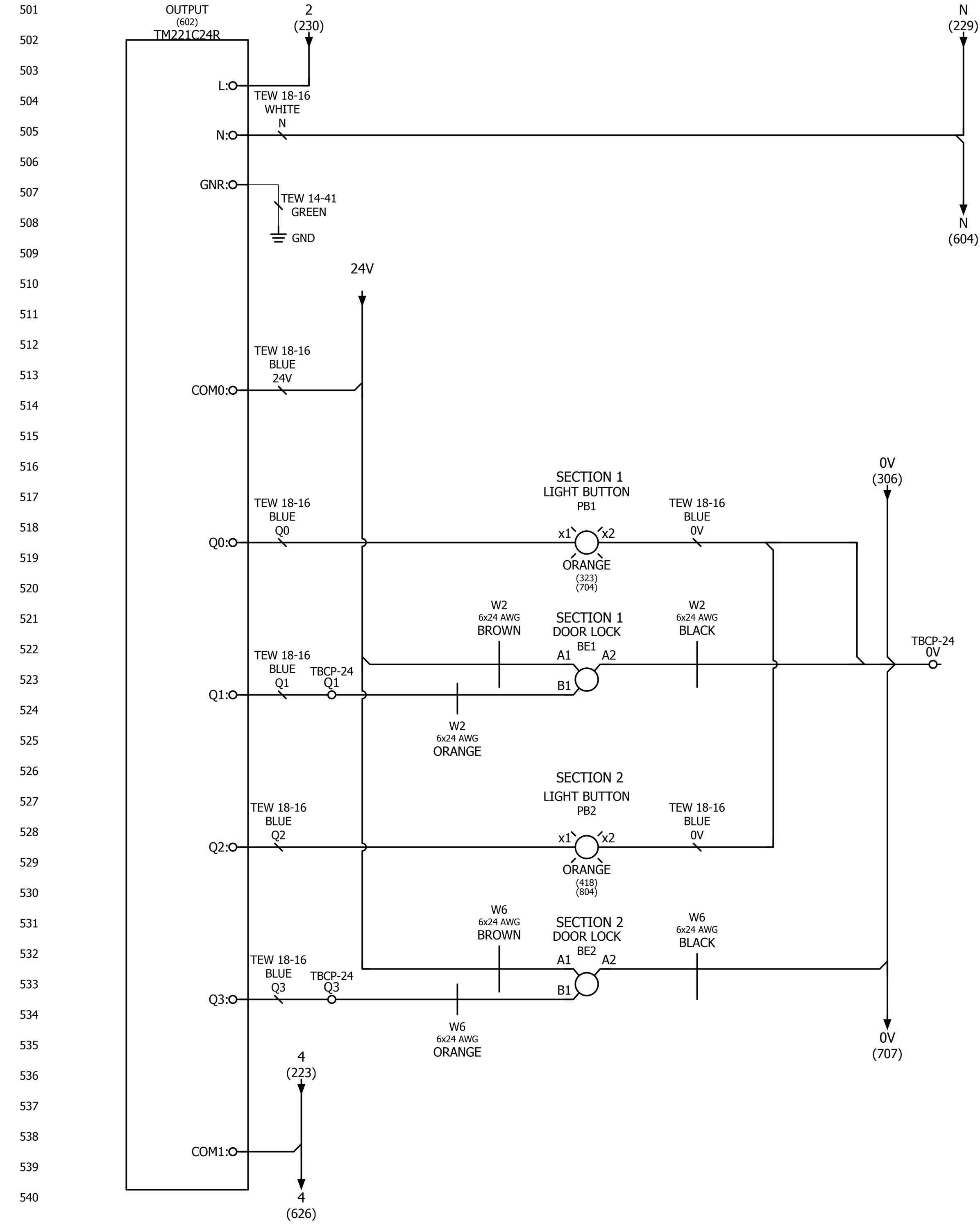
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APPROVED BY	DATE	REVIEW	PAGE 3 DI 13



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 2024.08.27	TITLE ELECTRICAL WIRING INPUT NEXT
						CHECK BY	DATE	PROJECT EP _DBK-010-240-1
						APPROVED BY	DATE	REVIEW / PAGE 4 DI 13



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OUTPUT
(502)
TM221C24R

N
(507)

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

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

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

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

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

Q7:
TEW 18-16
RED
Q7
SYSTEM READY
LT2
x1
x2
GREEN
TEW 18-16
WHITE
N

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

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

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

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

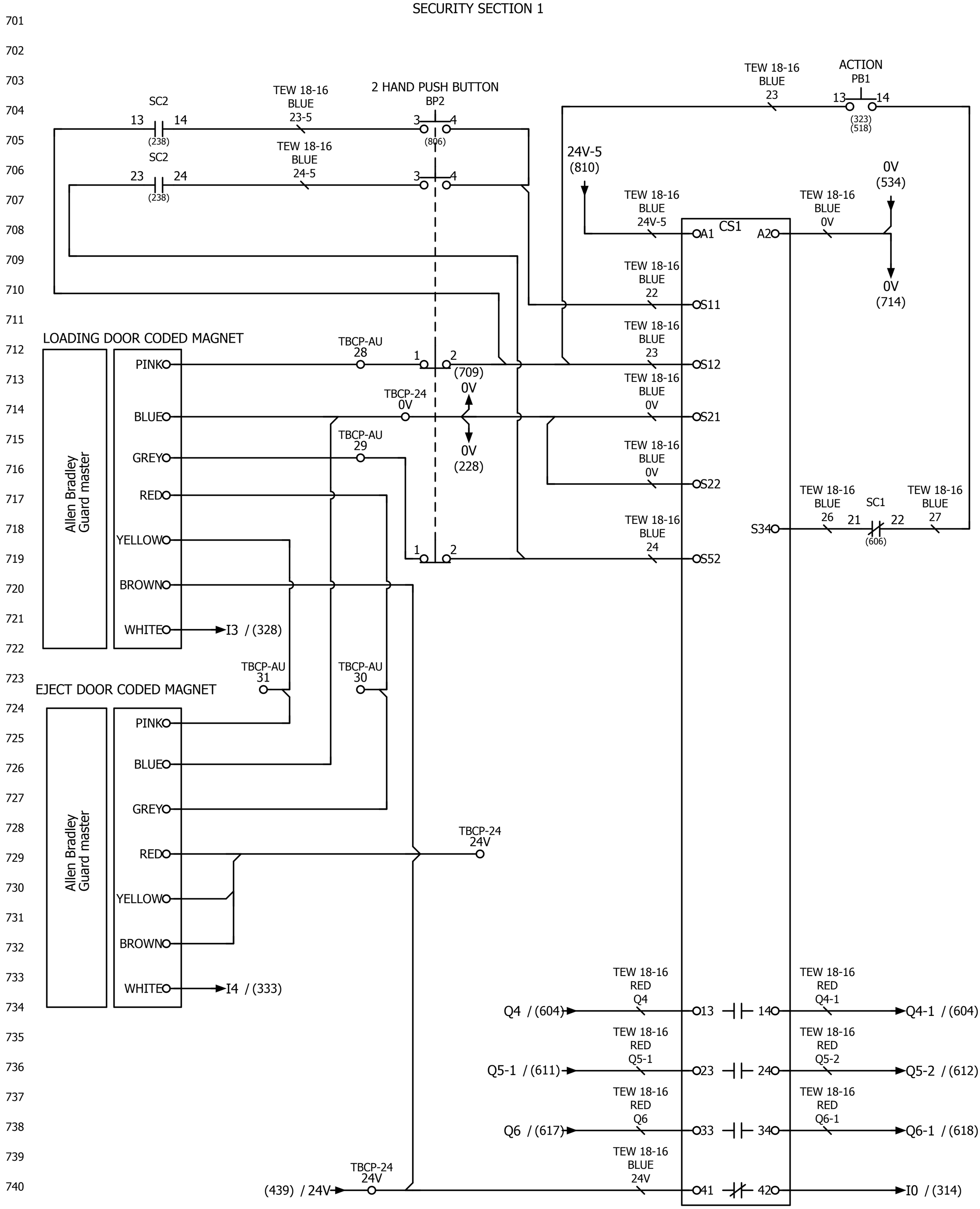
(838) / Q9-1
TBCP-120
Q9-1
W13
3x18 AWG
BLACK
SECTION 2
VALVE RETRACTED CYLINDER
SV2-B
x1
x2
W13
3x18 AWG
WHITE

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SECURITY SECTION 1

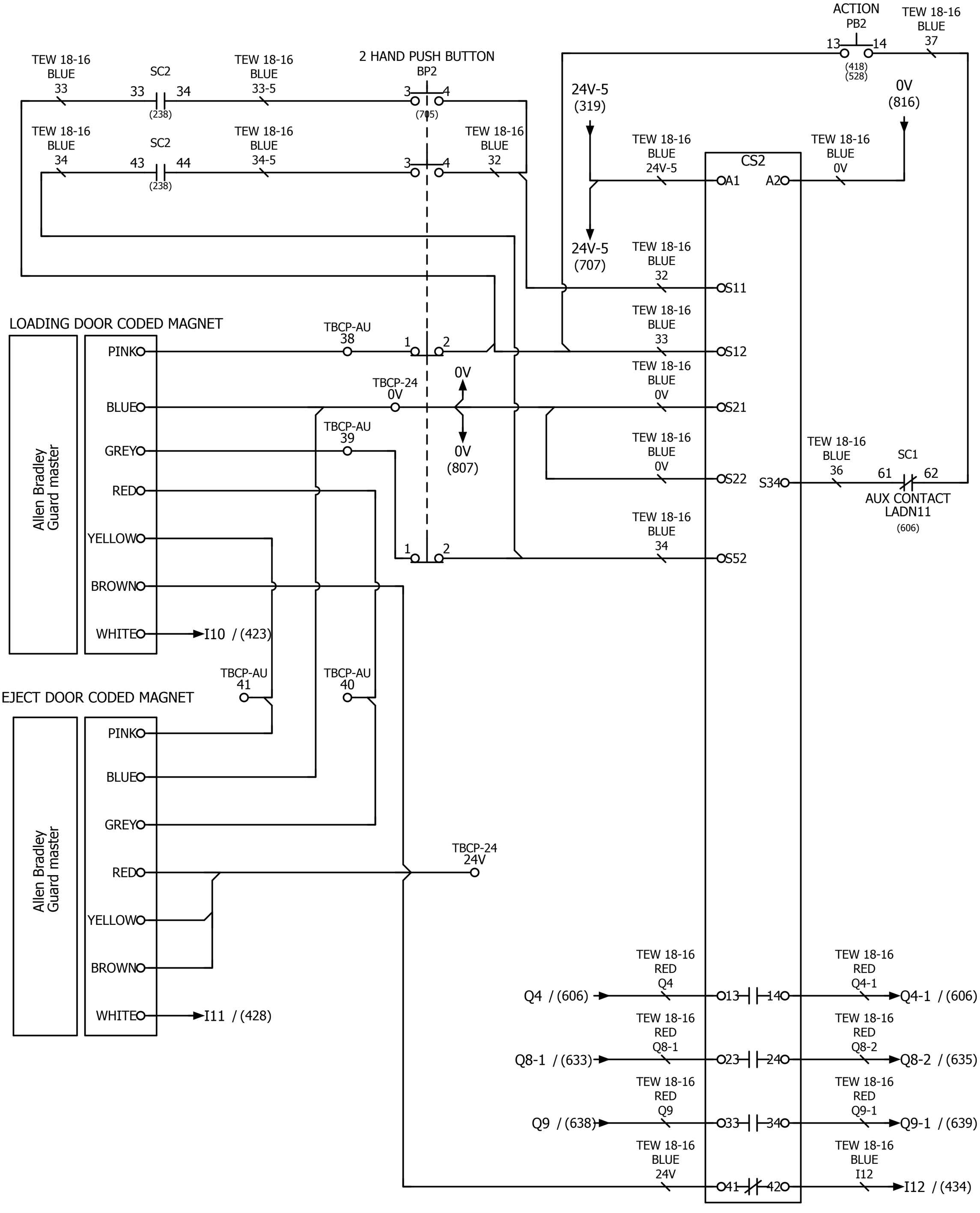


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DRAWING BY BRUNO LAPIERRE	DATE 2024.08.27	TITLE	ELECTRICAL WIRING SECURITY SEC
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SECURITY SECTION 2



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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

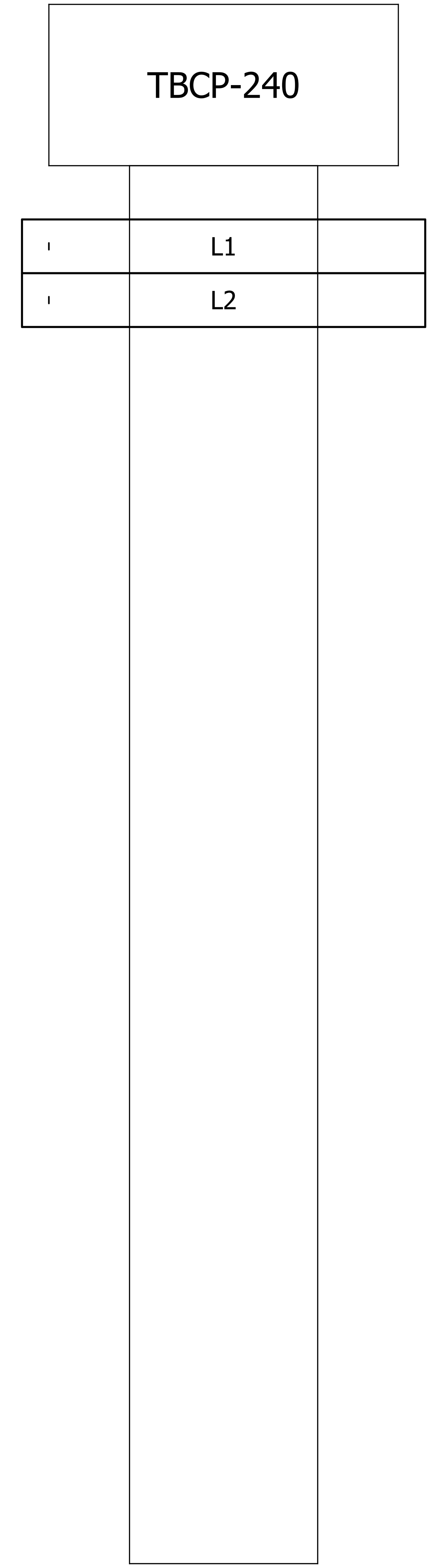
	N	
	N	
	N	
	2	
	2	
	4	
	Q9-1	
	Q5-2	
	Q6-1	
	Q8-2	

ePLAN electric P8	Project name: EP_DBK-010-240-1	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:	
							Appr	2026.10.27	Blapierre	Checked by:	Commission:
										Previous page: 9	Total no. of pages: 13

Higher-level function: =	Mounting location: +	
	Page: 10	
Page group: 13	Next page: 11	

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					



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-010-240-1	Drawing number:	Customer: MDA COMPACTION	Modification	Date	Name		Date	Name	Original:	Plan des bornes associables TBCP-AU
							Ed	2008.07.10		Approved by:	
		Customer code:					Appr	2026.10.27	Blapierre	Checked by:	Commission:
										Previous page: 11	Total no. of pages: 13

Higher-level function: =	Mounting location: +	
	Page: 12	
Page group: 13	Next page: 13	

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					

TBCP-24I

24V
I7
I8