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 _DBK-010-600 |
| Manufacturer (company) | MDA COMPACTION |
| Project name | BULLPAK DUO BALER<br>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 |

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 TITLE PAGE | |
| CHECK BY | DATE | PROJECT EP _DBK-010-600 | |
| APPROVED BY | DATE | REVIEW | PAGE 1 DI 13 |

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

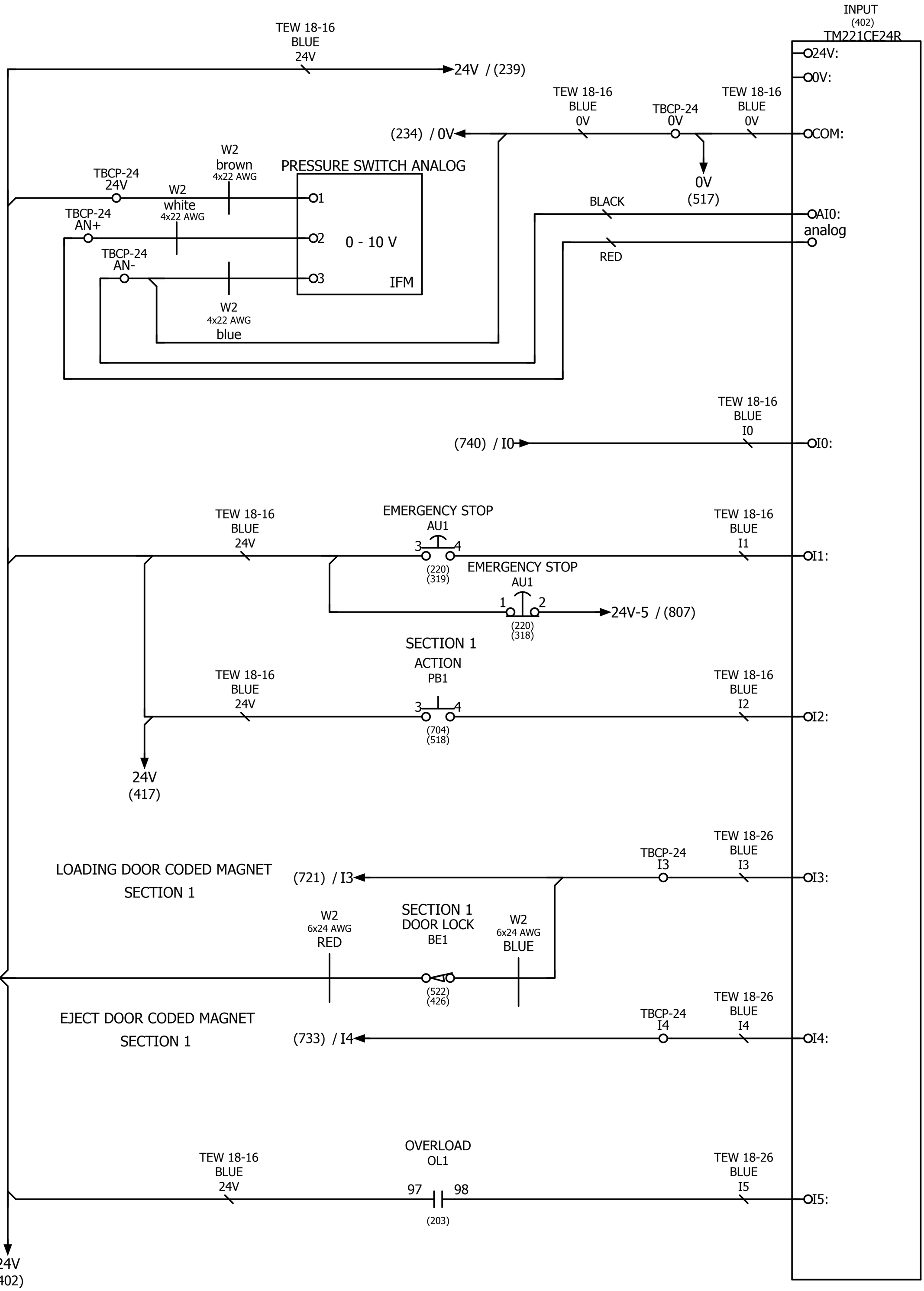
24V
(303)

POWER
RED 24V
0V BLUE

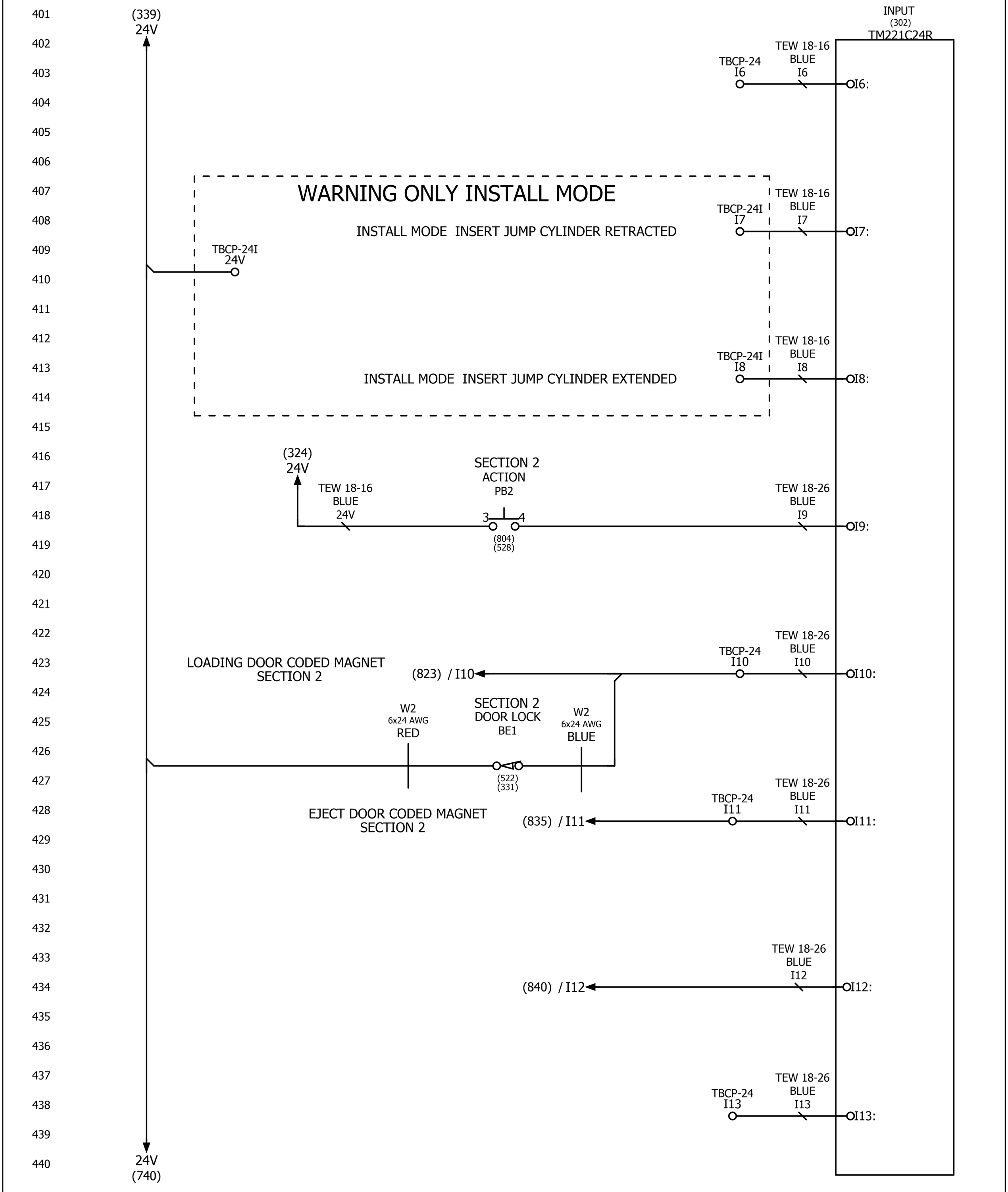
| | | | | |
|---|---|---|---|---|
| REV # | PAGE | DESCRIPTION OF THE REVIEW | BY | DATE |
| | | | | |
| | | | | |
| | | | | |


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

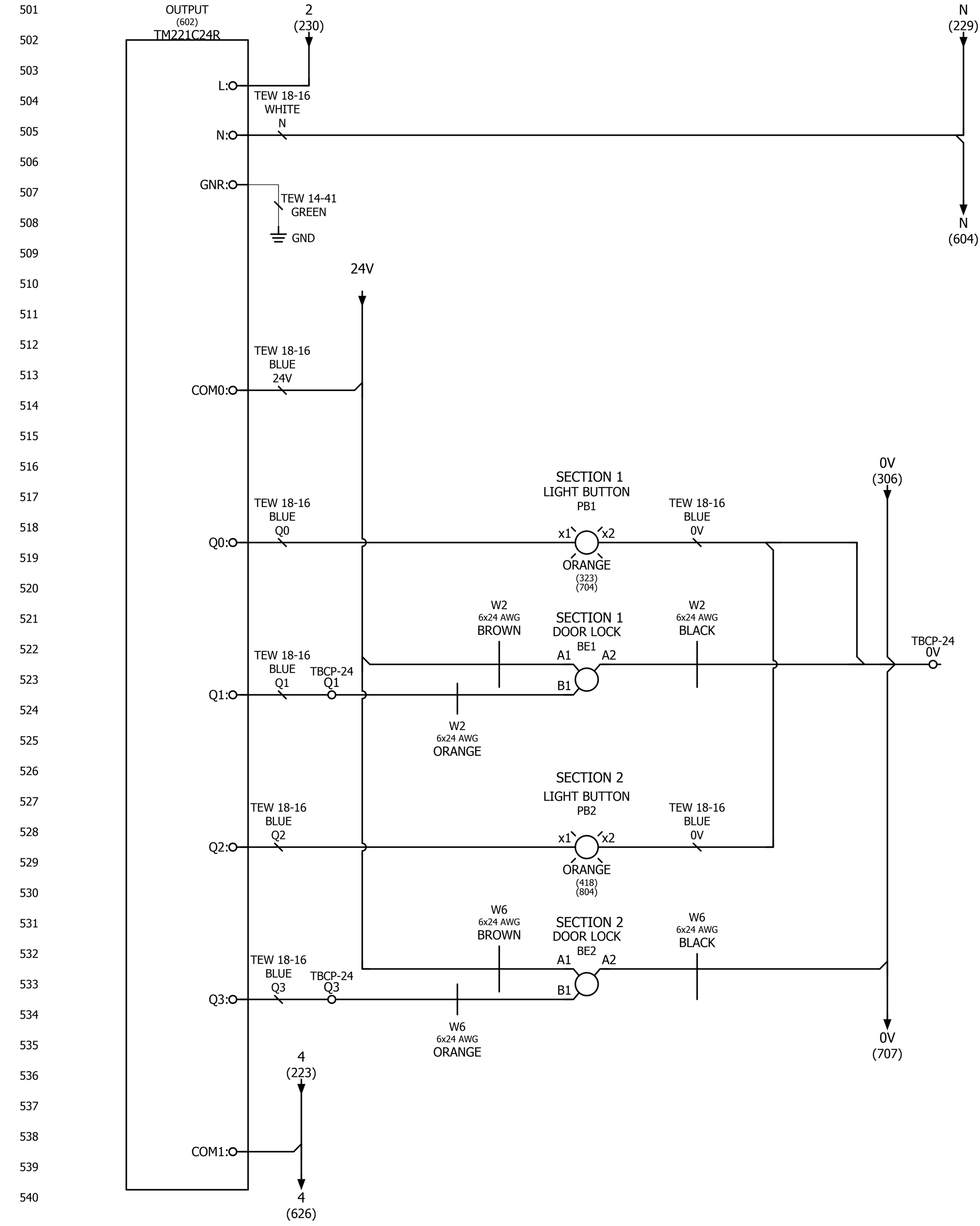

| | | | |
|---|---|---|---|
| DRAWING BY BRUNO LAPIERRE | DATE 2022.04.04 | TITLE ELECTRICAL WIRING POWER | |
| CHECK BY | DATE | PROJECT EP _DBK-010-600 | |
| APPROVED BY | DATE | REVIEW | PAGE 2 DI 13 |




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MDA COMPACTION<br>2323, avenue des Érables<br>Plessiville QC, Canada G6L 2E9<br>(819) 362-2424<br>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 _DBK-010-600 |
| | | | | | | APPROVED BY | DATE | REVIEW / PAGE 3 DI 13 |




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MDA COMPACTION<br>2323, avenue des Érables<br>Plessiville QC, Canada G6L 2E9<br>(819) 362-2424<br>www.mdacompaction.ca | REV # | PAGE | DESCRIPTION OF THE REVIEW | BY | DATE | DRAWING BY BRUNO LAPIERRE | DATE 2022.04.04 | TITLE ELECTRICAL WIRING INPUT NEXT |
| | | | | | | CHECK BY | DATE | PROJECT EP _DBK-010-600 |
| | | | | | | APPROVED BY | DATE | REVIEW / PAGE 4 DI 13 |




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDA COMPACTION<br>2323, avenue des Érables<br>Plessiville QC, Canada G6L 2E9<br>(819) 362-2424<br>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 _DBK-010-600 |
| | | | | | | APPROVED BY | DATE | REVIEW / PAGE 5 DI 13 |

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)

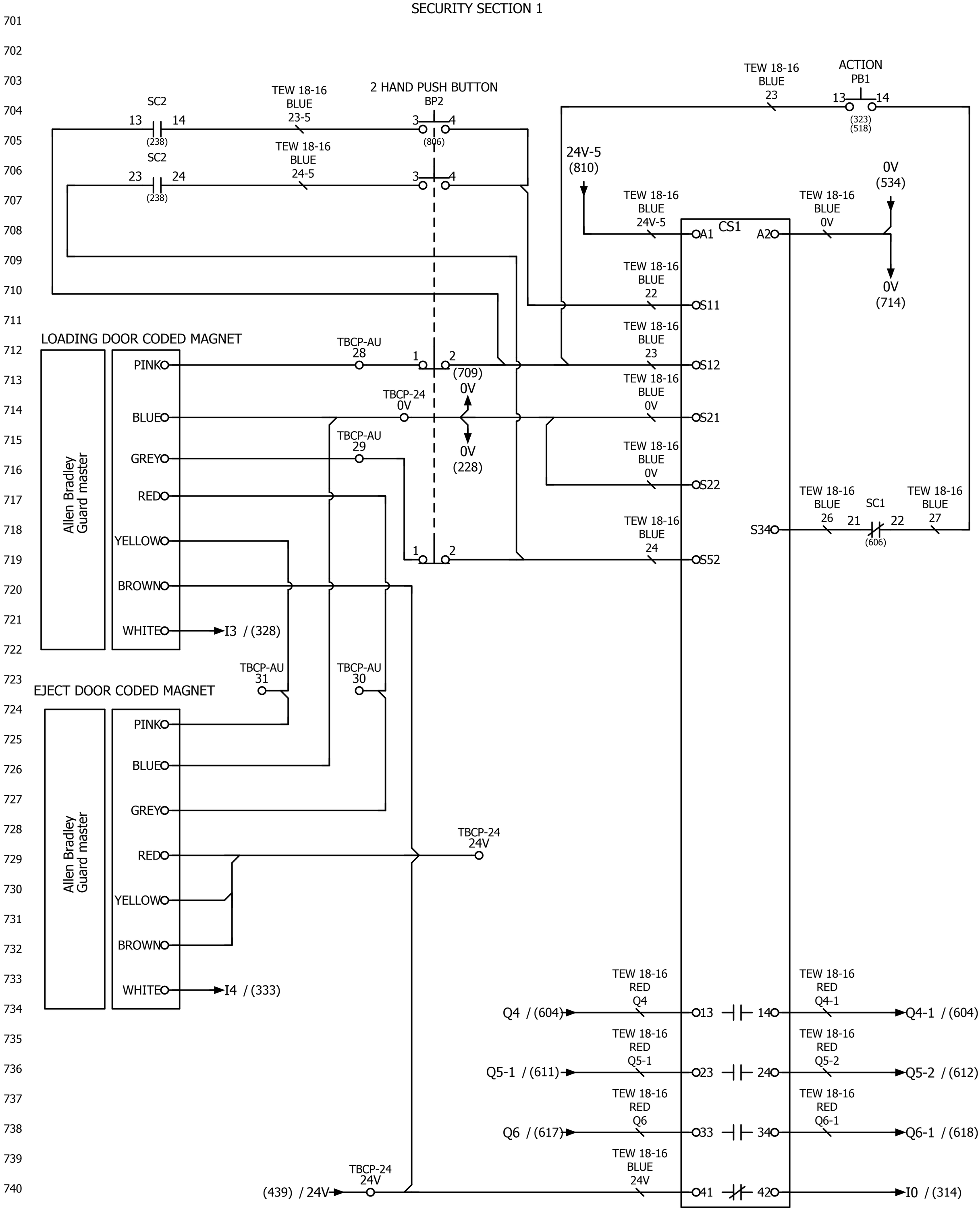
W13
3x18 AWG
BLACK
TBCP-120
Q9-1
(838) / Q9-1
SECTION 2
VALVE RETRACTED CYLINDER
SV2-B
x1 x2
W13
3x18 AWG
WHITE

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 |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

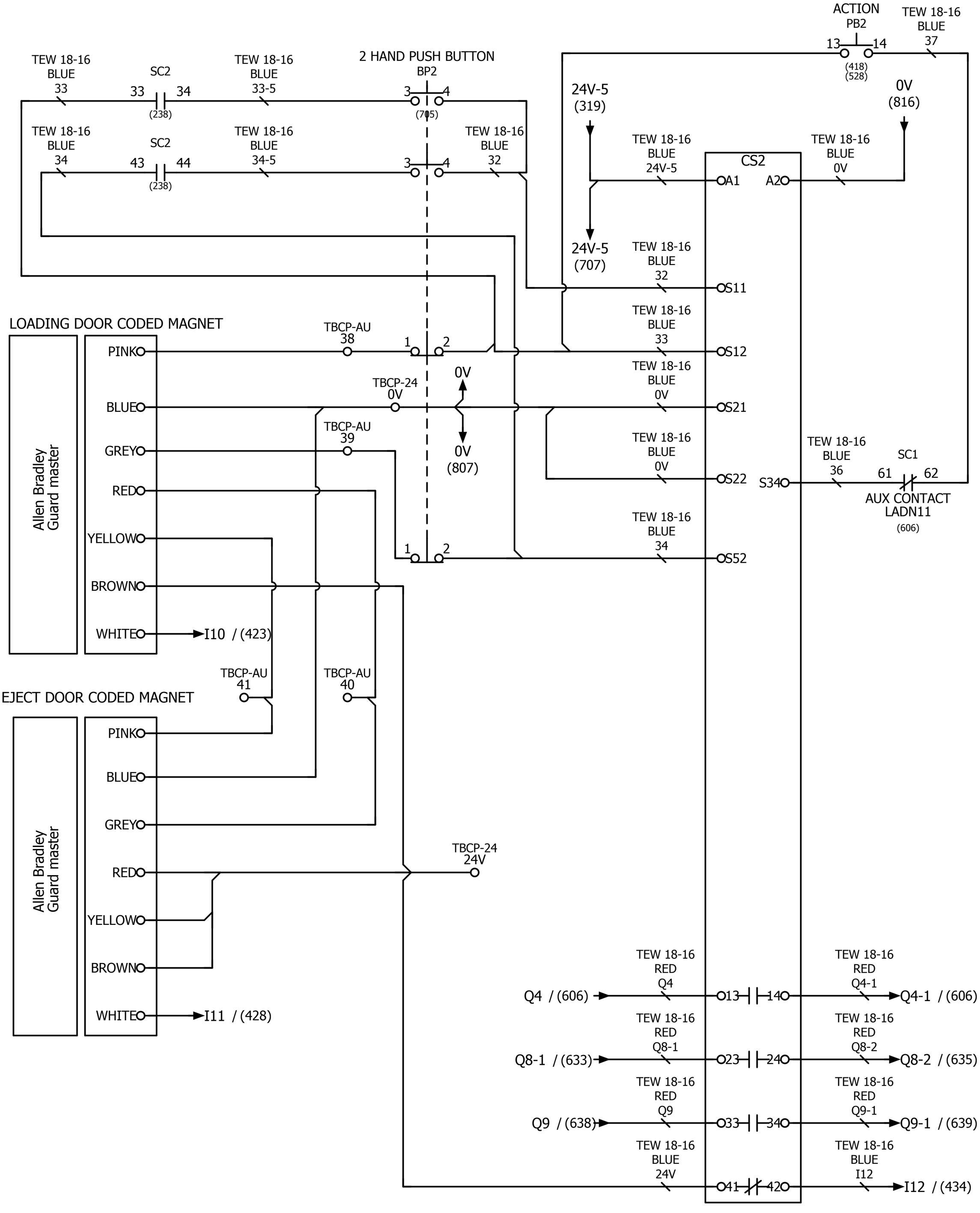
| | | | |
|---|---|---|---|
| DRAWING BY BRUNO LAPIERRE | DATE 2022.04.04 | TITLE | ELECTRICAL WIRING OUTPUT NEXT |
| CHECK BY | DATE | PROJECT | EP _DBK-010-600 |
| APPROVED BY | DATE | REVIEW | PAGE 6 DI 13 |

# SECURITY SECTION 1




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MDA COMPACTION<br>2323, avenue des Érables<br>Plessiville QC, Canada G6L 2E9<br>(819) 362-2424<br>www.mdacompaction.ca | REV # | PAGE | DESCRIPTION OF THE REVIEW | BY | DATE | DRAWING BY BRUNO LAPIERRE | DATE 2022.04.04 | TITLE ELECTRICAL WIRING SECURITY SEC |
| | | | | | | CHECK BY | DATE | PROJECT EP _DBK-010-600 |
| | | | | | | APPROVED BY | DATE | REVIEW / PAGE 7 DI 13 |

# SECURITY SECTION 2




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MDA COMPACTION<br>2323, avenue des Érables<br>Plessiville QC, Canada G6L 2E9<br>(819) 362-2424<br>www.mdacompaction.ca | REV # | PAGE | DESCRIPTION OF THE REVIEW | BY | DATE | DRAWING BY BRUNO LAPIERRE | DATE 2022.04.04 | TITLE ELECTRICAL WIRING SECURITY SEC |
| | | | | | | CHECK BY | DATE | PROJECT EP _DBK-010-600 |
| | | | | | | APPROVED BY | DATE | REVIEW / PAGE 8 DI 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 | | | | | |
| 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 |
| | | | | | | | | | | Previous page: 9 | Total no. of pages: 13 |
| | | | | | | | | | | | Page group: 13 |
| | | | | | | | | | | | Next page: 11 |

# 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-600**

| | | |
|---|---|---|
| | L1 | |
| | L2 | |
| | L3 | |

# 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 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

TBCP-24I

| | | |
|---|---|---|
| ' | 24V | |
| ' | I7 | |
| ' | I8 | |