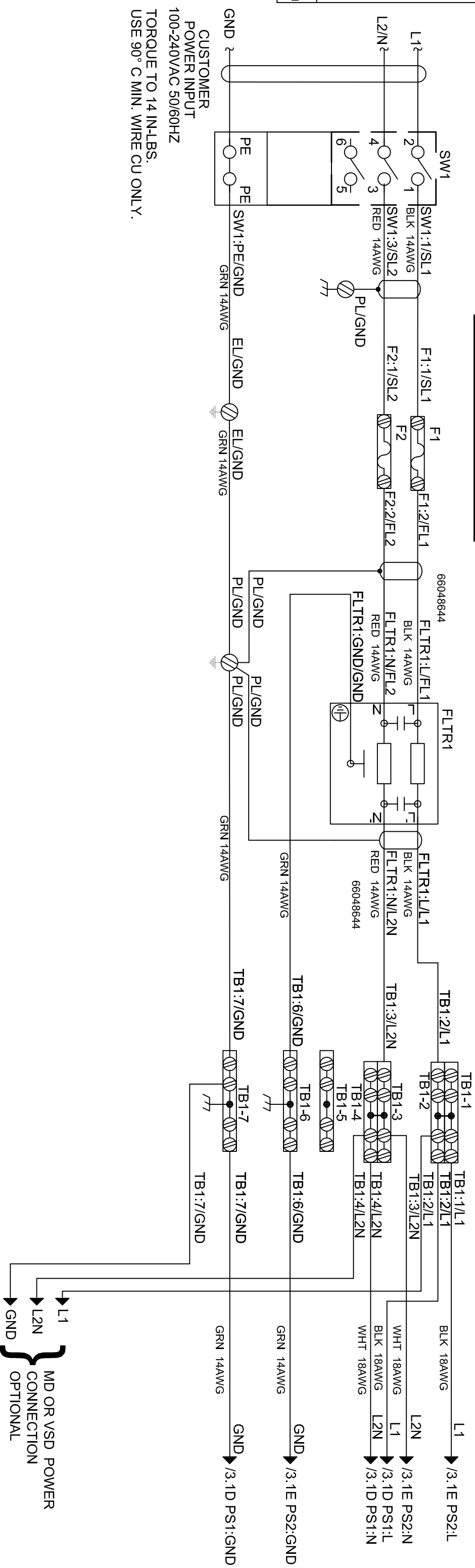
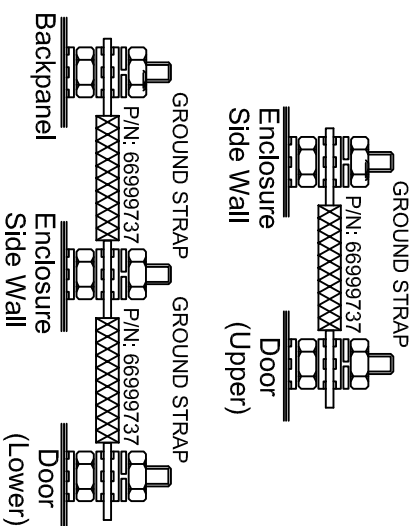


BRANCH CIRCUIT PROTECTION FUSING TO BE PROVIDED BY THE INSTALLER.

FUSES		
LOCATION	AMP	VOLT
F1	10A	600V
F2	10A	600V
FNQR USED ONLY		



TORQUE TO 14 IN-LBS.  
USE 90° C MIN. WIRE CU ONLY.



Note:  
These stainless-steel mesh straps are required to connect the backpanel to the enclosure to the door for safety and electrical noise emission purposes.

Part#	Description	Component
24103213	Phoenix: ST 2.5 Quattro (Gry)	TB1-1, thru TB1-5
24103219	Phoenix: ST2.5 PE Quattro (Gm/Yel)	TB1-6 thru TB1-7
66048855	Bussman: CHCC1 (Class CC Fuse Holder)	FU1, FU2
66999733	Phoenix: FBS 2-5 (Plug in Bridge 2 Position)	TB1-1&2, TB1-3&4

**METTLER TOLEDO**

**Mettler-Toledo Hi-Speed.**

Ithaca, New York 14850  
www.mt.com/hi-speed

OWN BY/DATE:  
CKK 08/21/14

JOB NO.:

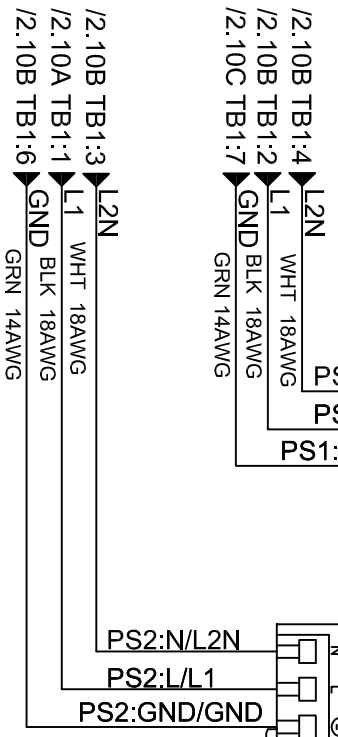
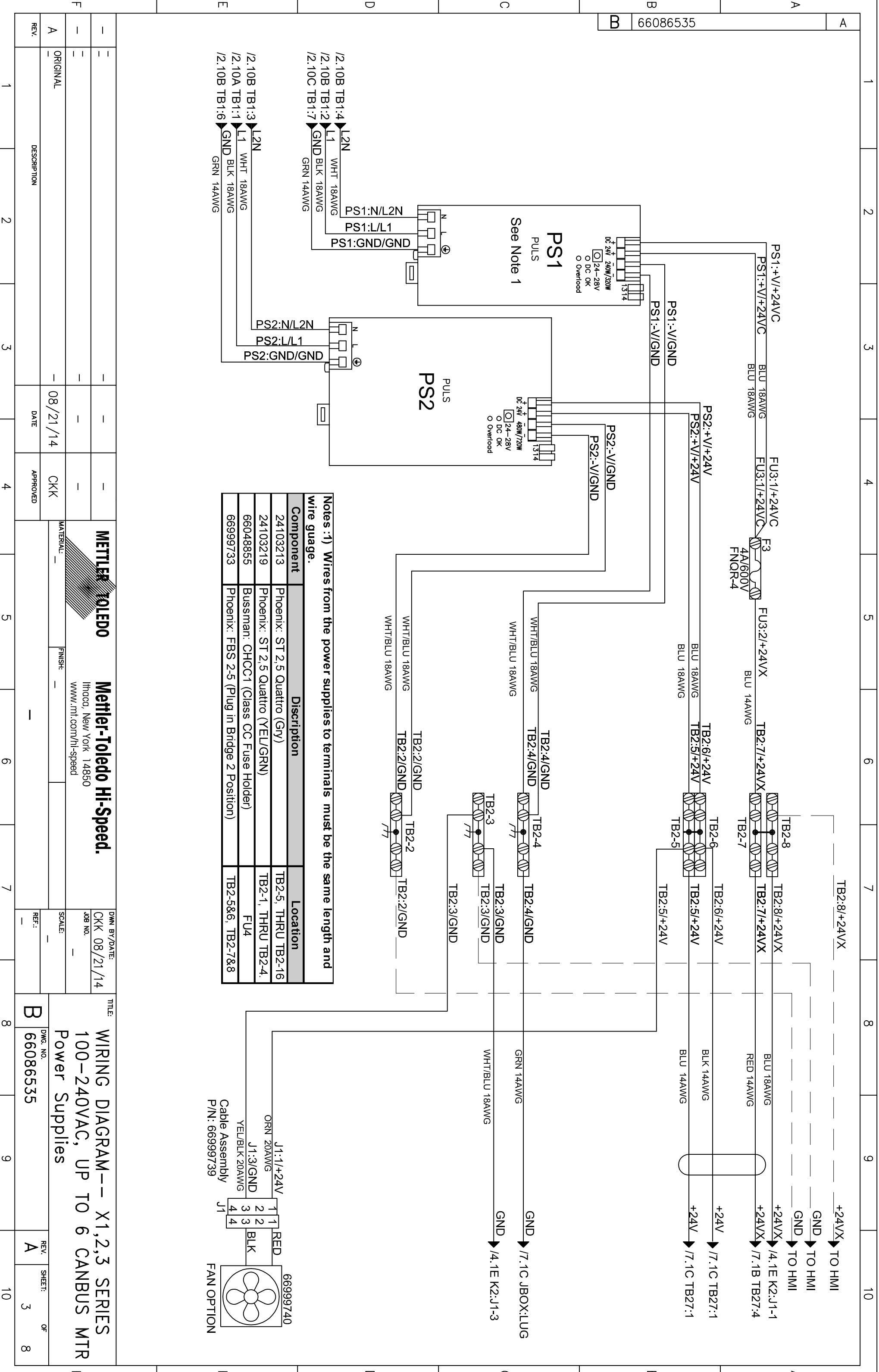
TITLE:  
WIRING DIAGRAM-- X1,2,3 SERIES  
100-240VAC, UP TO 6 CANBUS MTR  
Main Power In, 100-240VAC

REV.	DESCRIPTION	DATE	APPROVED
1	ORIGINAL	08/21/14	CKK

MATERIALS	FINISH:

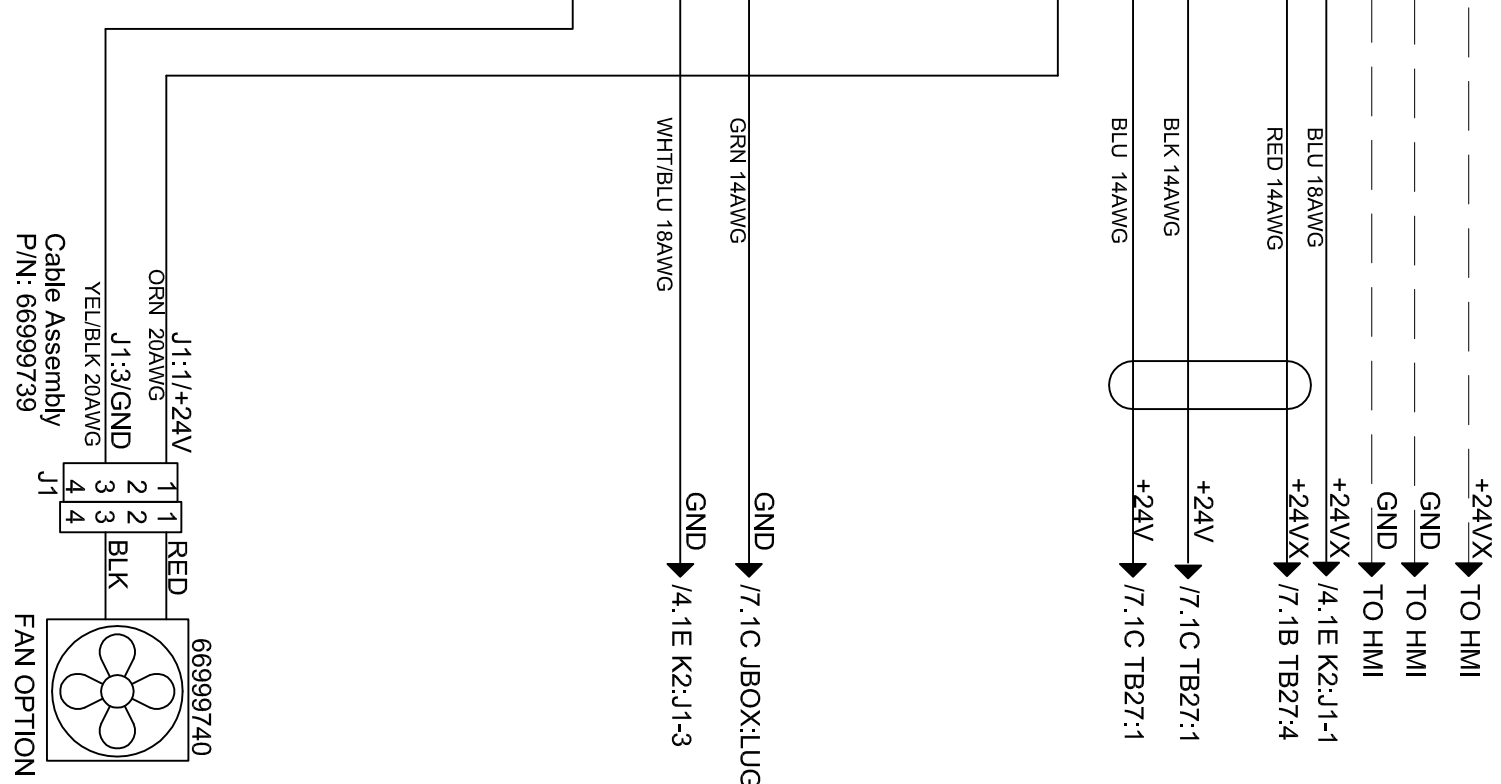
SCALE:	REF.:

DWG. NO.	REV.	SHEET:	OF
66086535	A	2	8



Notes :1) Wires from the power supplies to terminals must be the same length and wire gauge.

Component	Description	Location
24103213	Phoenix: ST 2.5 Quattro (Gry)	TB2-5, THRU TB2-16
24103219	Phoenix: ST 2.5 Quattro (YEL/GRN)	TB2-1, THRU TB2-4.
66048855	Bussman: CHCC1 (Class CC Fuse Holder)	FU4
66999733	Phoenix: FBS 2-5 (Plug in Bridge 2 Position)	TB2-5&6, TB2-7&8



1	2	3	4	5	6	7	8	9	10
REV. A	DESCRIPTION	DATE	APPROVED	<b>METTLER TOLEDO</b> <b>Mettler-Toledo Hi-Speed.</b> Ithaca, New York 14850 www.mt.com/hi-speed		DWN BY/DATE: CKK 08/21/14	TITLE: <b>WIRING DIAGRAM-- X1,2,3 SERIES</b> <b>100-240VAC, UP TO 6 CANBUS MTR</b> <b>Power Supplies</b>	DWG. NO. <b>66086535</b>	REV. A SHEET: 3 OF 8

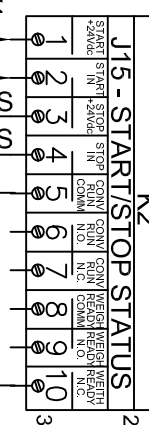
**EXTERNAL**

**Customer Start/Stop & Status**

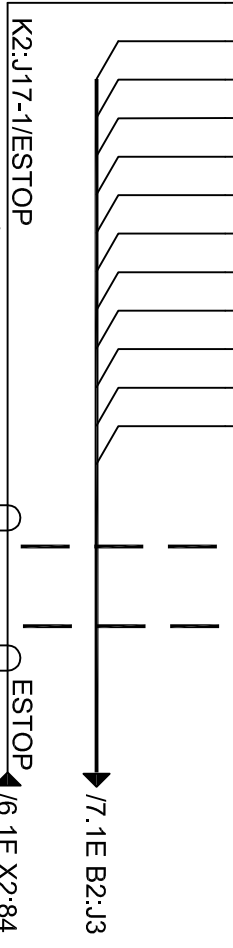
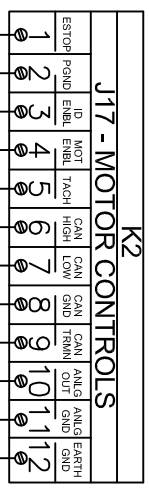
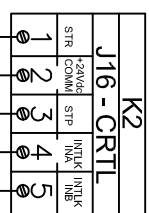
**System Start/Stop & Interlock**

**J17 - MOTOR CONTROLS**

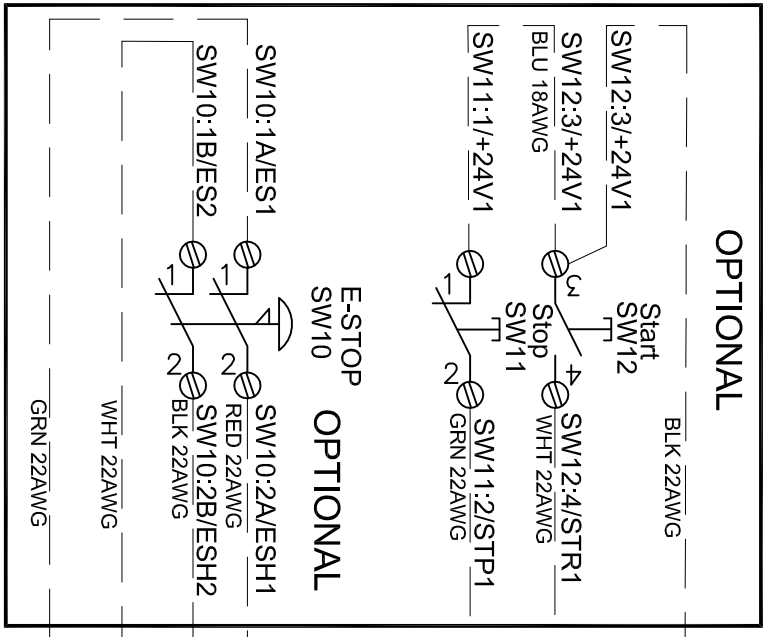
**OPTIONAL**



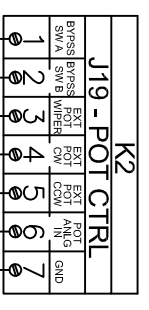
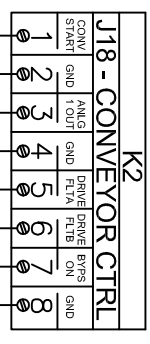
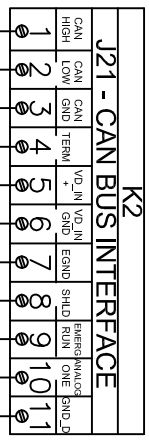
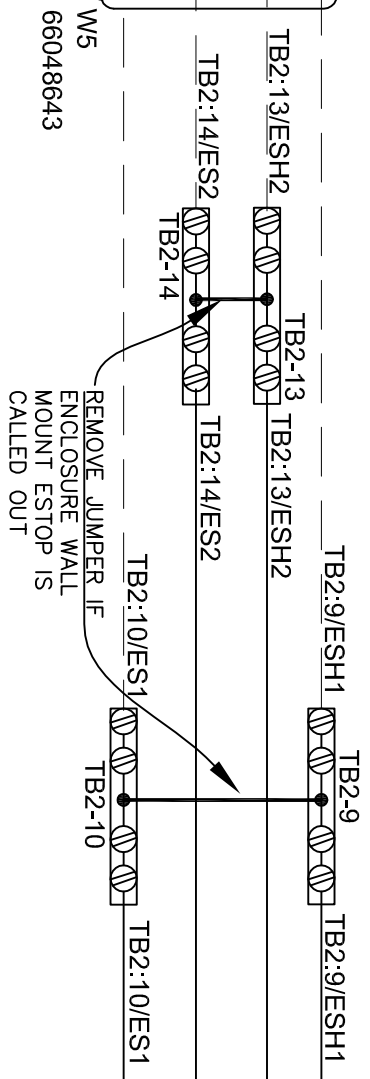
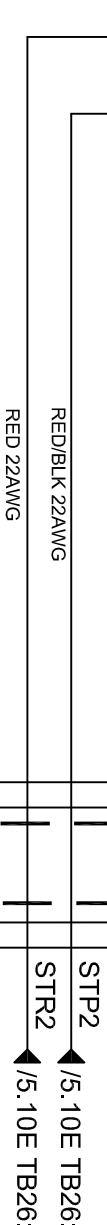
- N.C. between Pin 3 and 4 on J15. open momentarily to stop conveyor
- N.O. between Pin 1 and 2 on J15 close momentarily to start conveyor. Condition Pin3 and 4 need to be close.
- Pin 5, 6 and 7 Machine running status relay.
  - Pin 5: normally open
  - Pin 6: normally open
  - Pin 7: normally close
- Pin 5, 6 and 7 Machine Ready status relay, Pin 5: com  
Pin 6: normally open  
Pin 7: normally close



**E-STOP SW10 OPTIONAL**

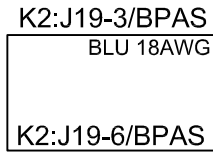
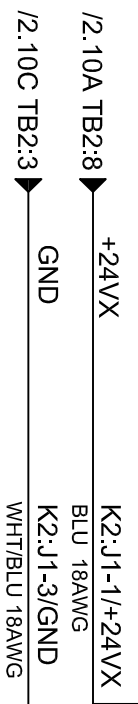


REMOVE JUMPER IF ENCLOSURE WALL MOUNT START/STOP IS CALLED OUT



Component	Description	Location
24103213	Phoenix: ST 2.5 Quattro (Gry)	TB2-9, 10, 13 AND 14
24103219	Phoenix: ST 2.5 Quattro (YEL/GRN)	TB2-1
66999733	Phoenix: FBS 2-5 (Plug in Bridge 2 position)	TB2-9&10, TB2-13&14

**MAIN ENCLOSURE**



**JUNCTION BOX**

REV. A	DESCRIPTION	DATE	APPROVED	MATERIAL	FINISH	SCALE	REF.	DWG. NO.	REV. A	SHEET: 4 OF 8
1	ORIGINAL	08/21/14	CKK					B 66086535		

**WIRING DIAGRAM-- X1,2,3 SERIES 100-240VAC, UP TO 6 CANBUS MTR STR/STP/Estop Wiring**

**METTLER TOLEDO**  
Metler-Toledo Hi-Speed.  
Ithaca, New York 14850  
www.mt.com/hi-speed

**Customer Start/Stop & Status**

**System Start/Stop & Interlock**

**J17 - MOTOR CONTROLS**

**J15 - START/STOP STATUS**

**J16 - CRITL**

**J19 - POT CTRL**

**J18 - CONVEYOR CTRL**

**J21 - CAN BUS INTERFACE**

**EXTERNAL**

**E-STOP SW10 OPTIONAL**

**OPTIONAL**

**MAIN ENCLOSURE**

**JUNCTION BOX**

**DATE** 08/21/14

**APPROVED** CKK

**FINISH**

**SCALE**

**REF.**

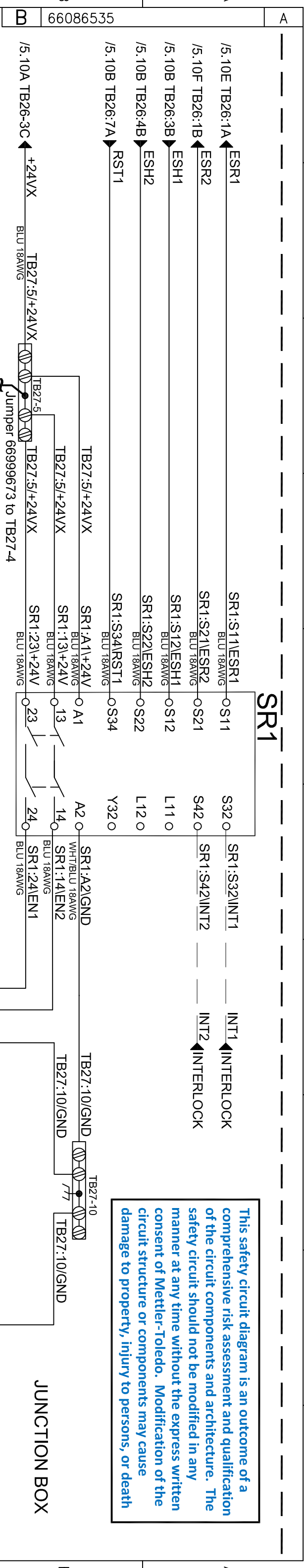
**DWG. NO.** B 66086535

**REV.** A

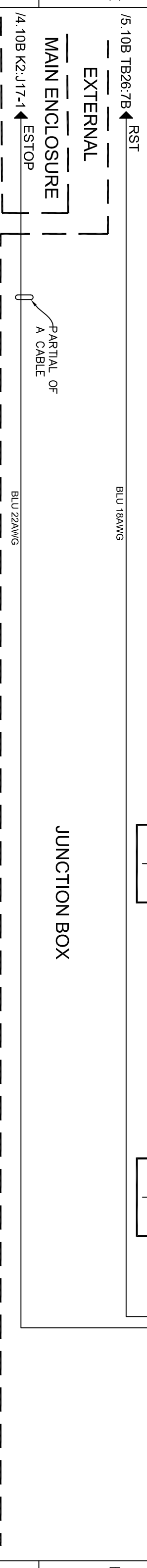
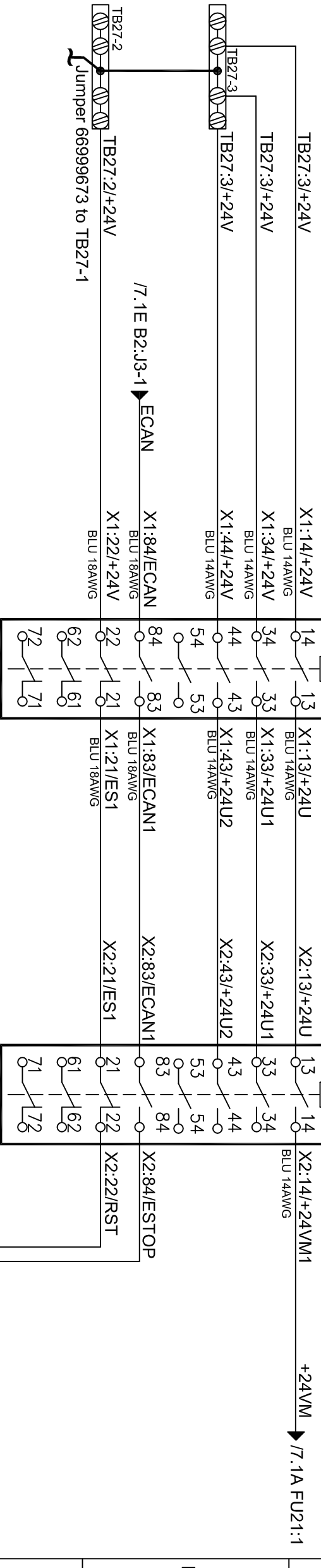
**SHEET:** 4 OF 8



This safety circuit diagram is an outcome of a comprehensive risk assessment and qualification of the circuit components and architecture. The safety circuit should not be modified in any manner at any time without the express written consent of Mettler-Toledo. Modification of the circuit structure or components may cause damage to property, injury to persons, or death



Component	Description	Location
24103213	Phoenix: ST 2.5 Quattro (Grn)	TB27-2, 3, 5, AND TB25-3 AND 4
24103219	Phoenix: ST 2.5 Quattro (YEL/GRN)	TB27-10
66999733	Phoenix: FBS 2-5 (Plug in Bridge 2 Position)	TB27-2 & 3 TB27-4 & 5 TB27-6 NOT SHOWN



REV.	DESCRIPTION	DATE	APPROVED	MATERIALS	FINISH	REF.	DWG. NO.	REV.	SHEET
1								A	6
2									
3									
4									
5									
6									
7									
8									
9									
10									

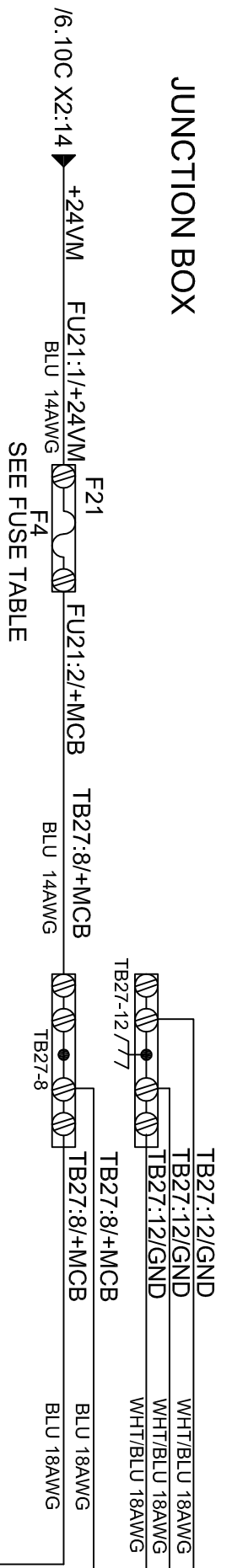
**METTLER TOLEDO**  
Mettler-Toledo Hi-Speed.  
Ihracoc, New York 14850  
www.mt.com/hi-speed

**WIRING DIAGRAM-- X1,2,3 SERIES**  
**100-240VAC, UP TO 6 CANBUS MTR**  
**SAFETY WIRING**

OWN BY/DATE: CKK 08/21/14  
JOB NO.:  
SCALE:  
REF.:  
DWC. NO. 66086535  
REV. A SHEET 6 OF 8

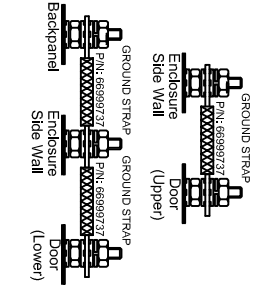
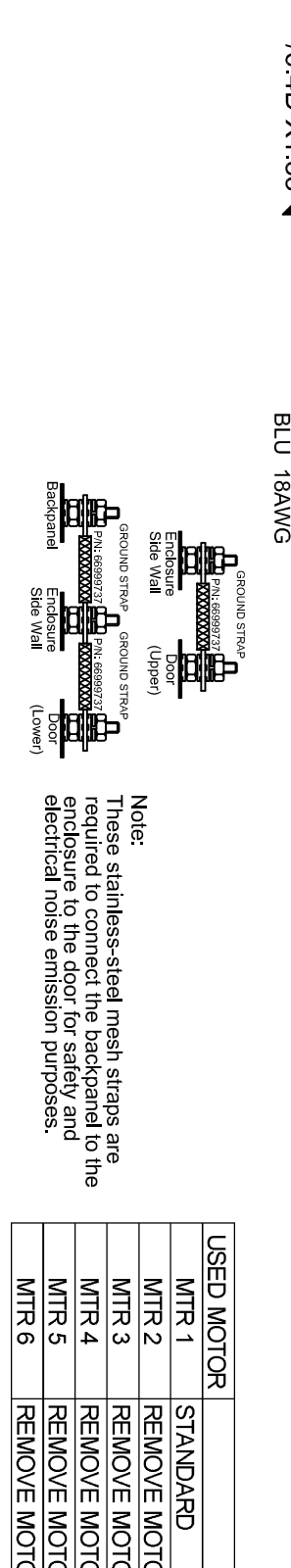
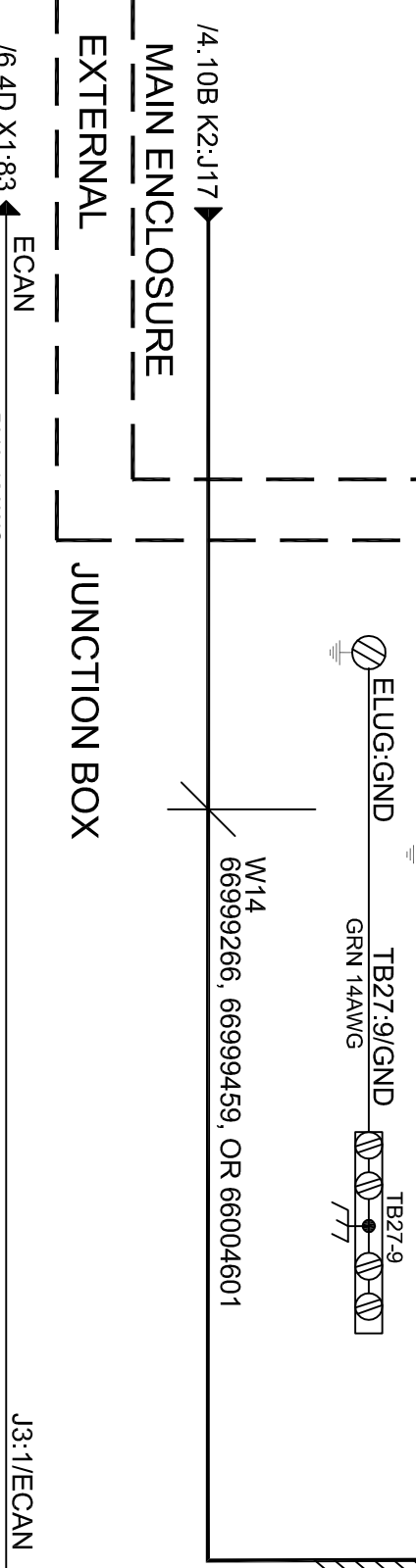
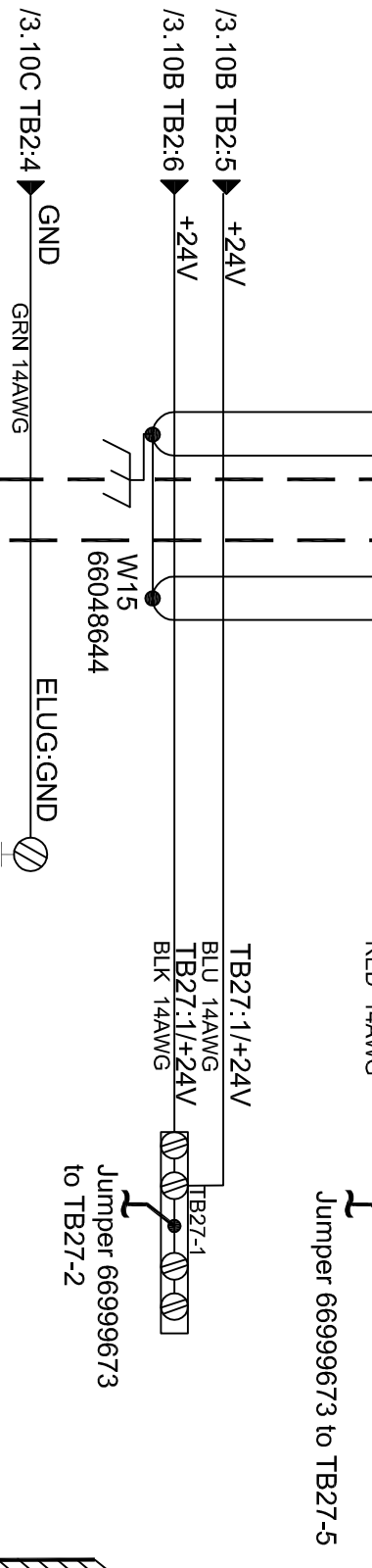
JUNCTION BOX

JUNCTION BOX



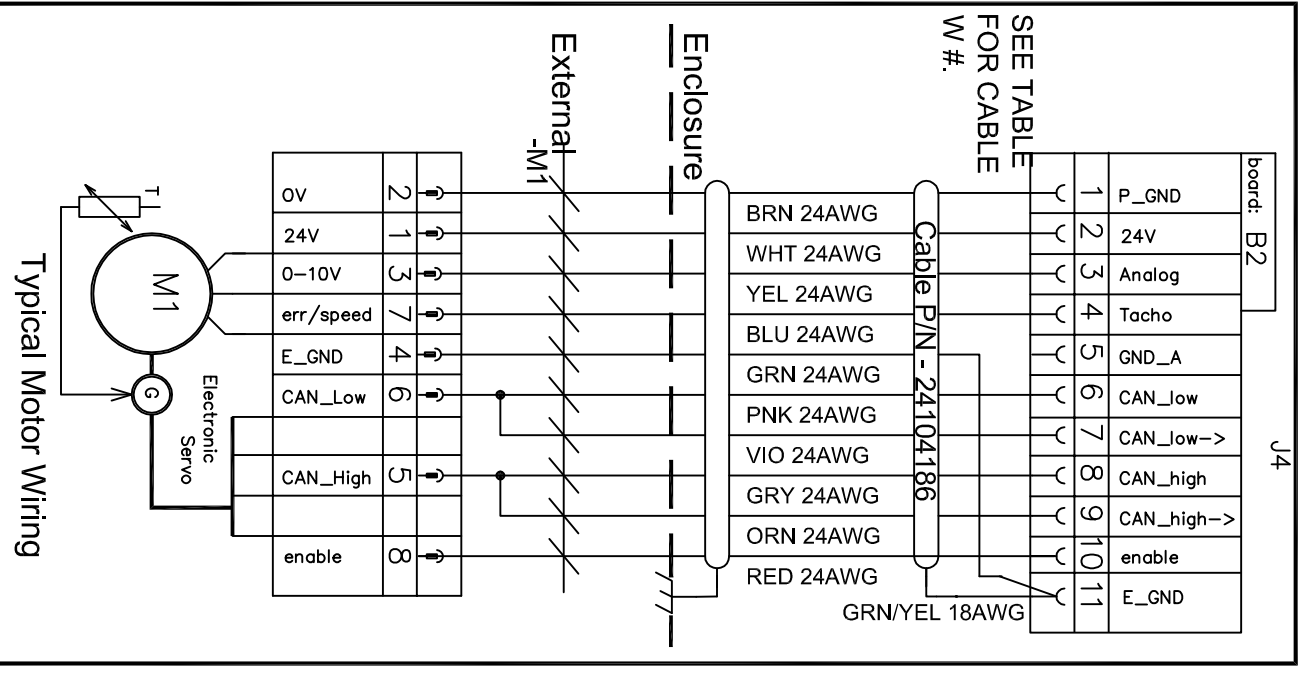
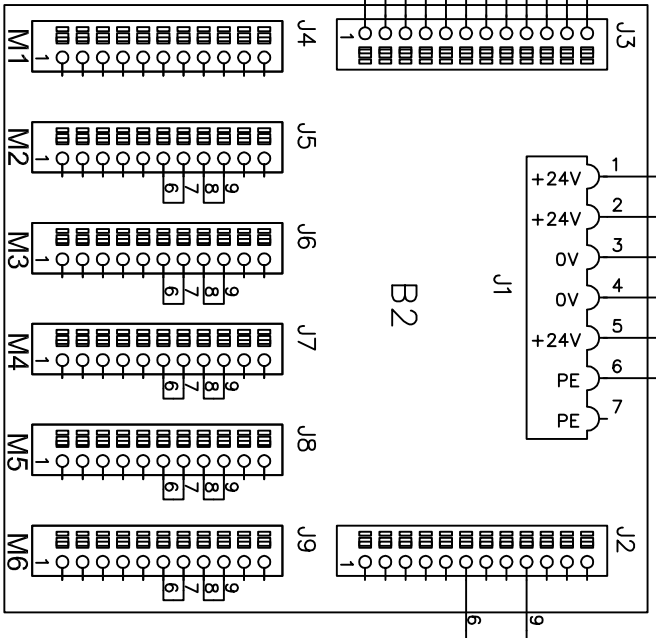
Component	Description	Location
24103213	Phoenix: ST 2.5 Quattro (Gry)	TB27-1, 3 AND 8
24103219	Phoenix: ST 2.5 Quattro (YEL/GRN)	TB27-9 AND 12
66048855	Bussman: CHC11 (Class CC Fuse Holder)	FU21
66999733	Phoenix: FBS-2-5 (Plug in Bridge 2 Position)	TB27-1 & 2, TB27-3&4 TB27-2 AND TB27-4 ARE NOT SHOWN ON THIS PAGE

66086535



Note:  
These stainless-steel mesh straps are required to connect the backpanel to the enclosure to the door for safety and electrical noise emission purposes.

USED MOTOR	COMMENTS	FU4	CABLE #
MTR 1	STANDARD	3A/600V	W14_1
MTR 2	REMOVE MOTOR JUMPER CONNECTOR XB2:J5	6A/600V	W14_2
MTR 3	REMOVE MOTOR JUMPER CONNECTOR XB2:J6	8A/600V	W14_3
MTR 4	REMOVE MOTOR JUMPER CONNECTOR XB2:J7	12A/600V	W14_4
MTR 5	REMOVE MOTOR JUMPER CONNECTOR XB2:J8	15A/600V	W14_5
MTR 6	REMOVE MOTOR JUMPER CONNECTOR XB2:J9	20A/600V	W14_6



**METTLER TOLEDO**

**Mettler-Toledo Hi-Speed.**

Ithaca, New York 14850  
www.mt.com/hi-speed

WIRING DIAGRAM-- X1,2,3 SERIES  
Motor Interconnection

REV.	DESCRIPTION	DATE	APPROVED
A	ORIGINAL	08/21/14	CKK

MATERIALS	FINISH:

DWG. NO.	REV.	SHEET:	OF
B 66086535	A	7	8



