VUELIFT
MICRO-6 CONTROLLER WITH 5 HP
ELECTRICAL SCHEMATICS

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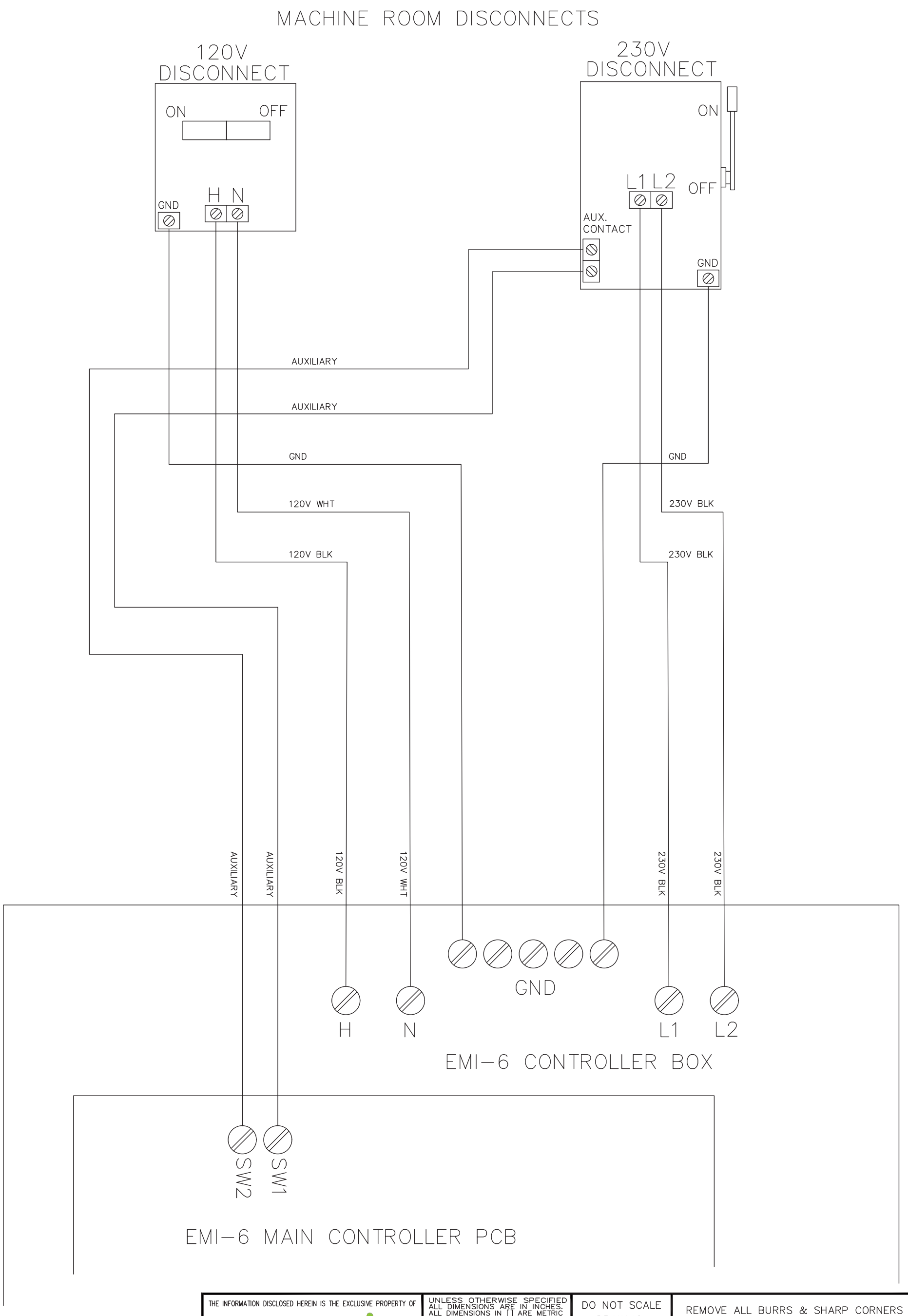
Part No. 001399, Rev. 010 (28-m04-2026)

REVISION HISTORY

29-m05-2023	Initial release
08-m09-2023	772401 revised to 772420. removed page A-10, revised pages A-4, A-5, A-7, A-11, A-12, A-15 to A-28 Added DLM simplified to A-30
25-m09-2023	Revised A4, A16 and A17
02-m10-2023	Revised page A22
16-m10-2023	Revised parts number
26-m10-2023	Revised pages A-11, A-14, A-16, A-17 and A-20
16-m01-2024	Revised page A-20
19-m01-2024	Removed pages A-26 and A-30, Revised pages A-14 to A-28.
29-m02-2024	Revised drawings on page A-3, added EMI-6 Disconnects by Others on page A-4
11-m03-2024	Revised pages A-15 to A-16, A-18, A-19, A-21 to A-23, A-25 to A-29
28-m04-2026	Reviseed drawing on page A-30

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VUELIFT (5 HP MOTOR) SCHEMATICS



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TITLE: EMI–6 CONTROLLER DISCONNECTS WIRING DIAGRAM	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. ALL DIMENSIONS IN [ ] ARE METRIC TOLERANCES ON: .X=±0.1 [.X=±3] .XX=±0.03 [.XX=±0.8] .XXX=±0.01 [.XXX=±0.25] ANGLES X =±2.X =±0.5	DO NOT SCALE DRAWING	REMOVE ALL BURRS & SHARP CORNERS	
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	FINISH: N/A	SHEET 1 OF 1	DRAWING NO: EMI–6 DISCONNECTS	SIZE B

MACHINE ROOM DISCONNECTS

120V DISCONNECT

ON OFF

GND H N

230V DISCONNECT

ON

L1 L2 OFF

AUX. CONTACT

GND

HOISTWAY DISCONNECTS BY OTHERS

120V WHT 120V WHT

120V BLK 120V BLK

ON OFF

GND

230V BLK 230V BLK

230V BLK 230V BLK

AUXILIARY AUXILIARY

ON OFF

GND

AUXILIARY AUXILIARY 120V BLK 120V WHT GND 230V BLK 230V BLK

H N L1 L2

EMI–6 CONTROLLER BOX

SW2 SW1

EMI–6 MAIN CONTROLLER PCB

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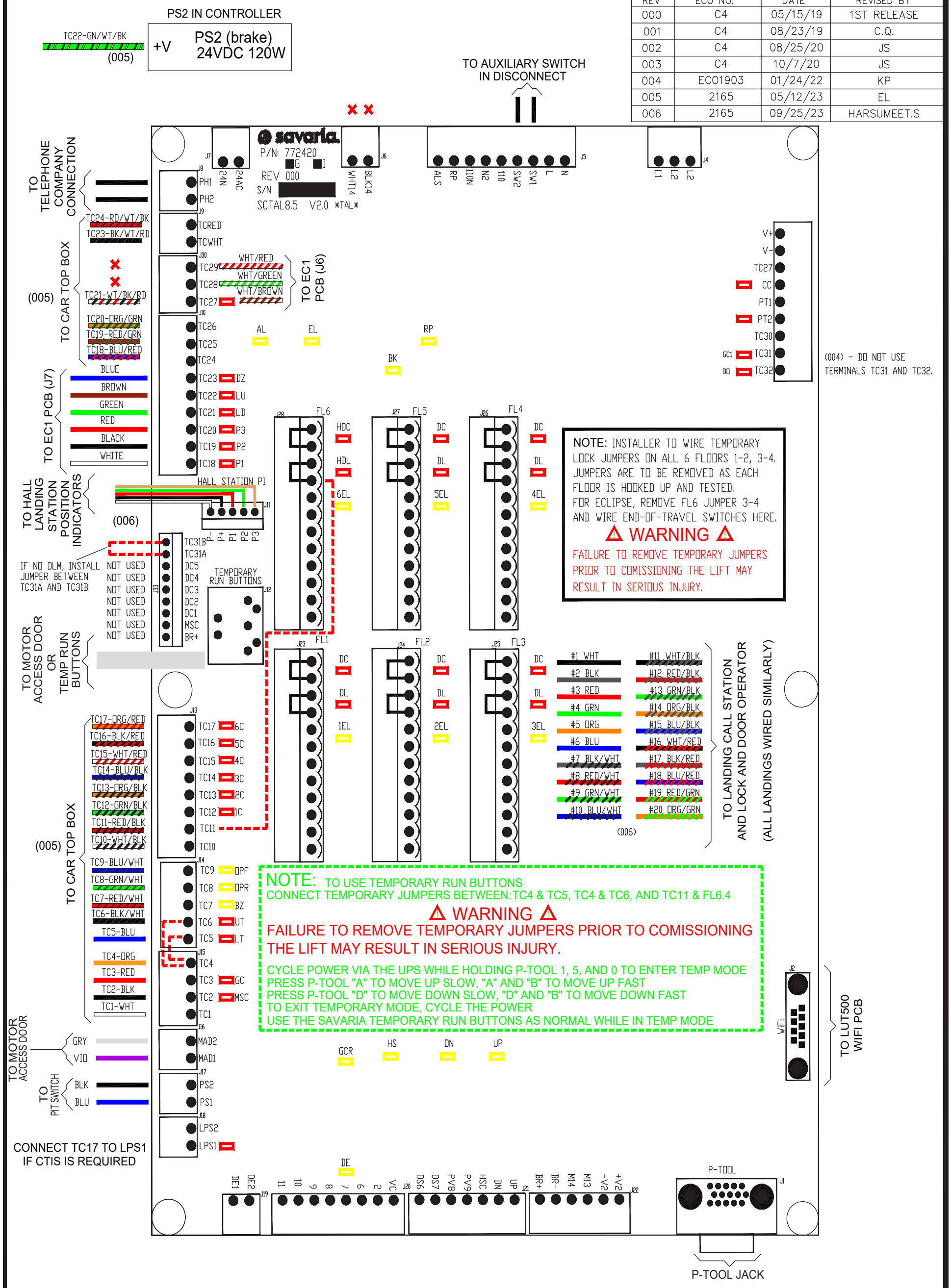
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FINISH: N/A	SHEET 1 OF 1	DRAWING NO: DISCONNECTS BY OTHERS		

VUELIFT (5 HP MOTOR) SCHEMATICS

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001	C4	08/23/19	C.Q.
002	C4	08/25/20	JS
003	C4	10/7/20	JS
004	ECO1903	01/24/22	KP
005	2165	05/12/23	EL
006	2165	09/25/23	HARSUMEET.S



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TITLE: VUELIFT-6 CONTROLLER MAIN CONTROLLER CONNECTION DIAGRAM

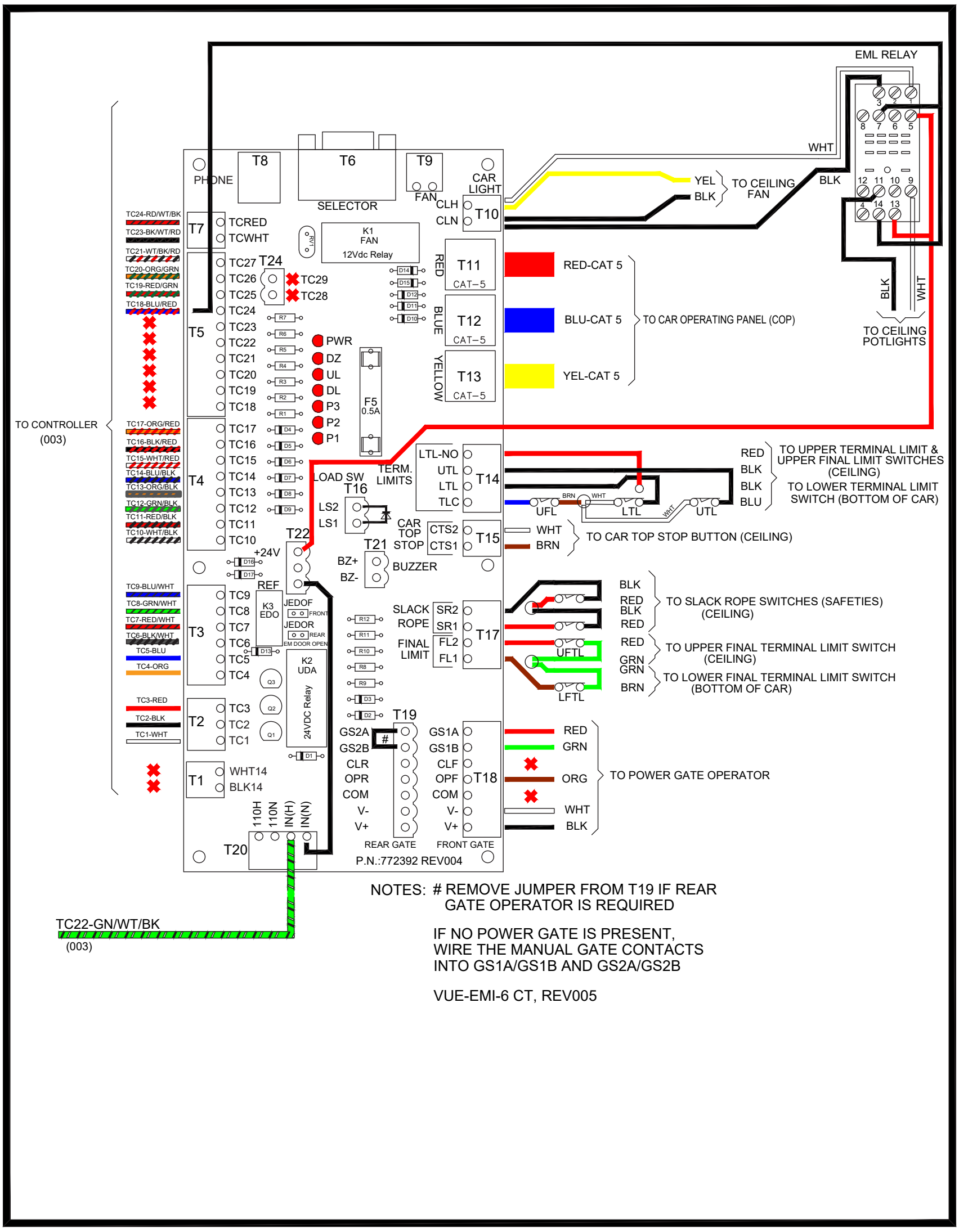
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FINISH: N/A	SHEET 1 OF 1	DRAWING NO: VUELIFT-6 CONTROLLER SCTAL-8.5	SIZE B

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001	C4	02/11/20	C.Q.
002	C4	08/25/20	JS
003	2165	05/16/23	RB
004	2165	06/23/23	ETHAN L.
005	2165	06/27/23	ETHAN L.



NOTES: # REMOVE JUMPER FROM T19 IF REAR GATE OPERATOR IS REQUIRED

IF NO POWER GATE IS PRESENT, WIRE THE MANUAL GATE CONTACTS INTO GS1A/GS1B AND GS2A/GS2B

VUE-EMI-6 CT, REV005

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TITLE: VUELIFT–6 CONTROLLER CAR TOP BOX CONNECTION DIAGRAM

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TOLERANCES ON:
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ANGLES X =±2.X =±0.5

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FINISH: N/A

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DESIGNED BY:	DESIGN DATE:	SCALE:	REVISION:
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DRAWN BY:	DRAWN DATE:	DRAFTSPERSON:	
C. QUIRK	02/11/20	RB	
SHEET 1 OF 1	DRAWING NO: VUE–EMI–6 CT		SIZE B

VUELIFT CONFIGURATION

CAR TOP INSPECTION STATION (003)

CAR TOP PROP MECHANISM (003)

CAR TOP JUNCTION BOARD

TO CONTROLLER (003)

REVISIONS			
REV	ECO NO.	DATE	REVISED BY
002	C4	03/16/22	C. QUIRK
003	2165	05/12/23	ETHAN L.

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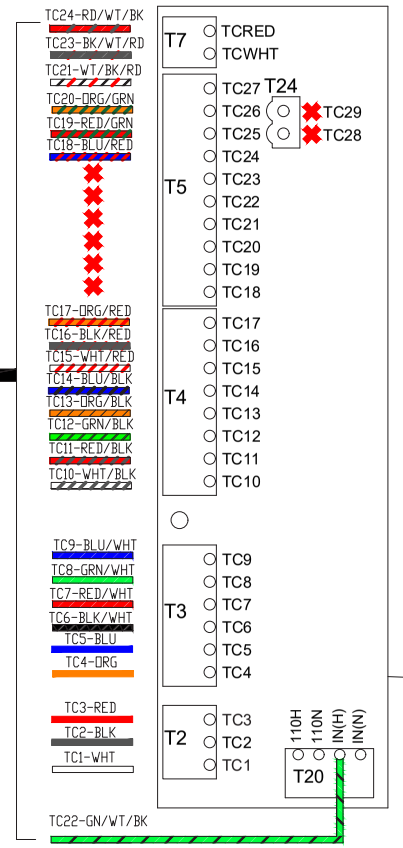
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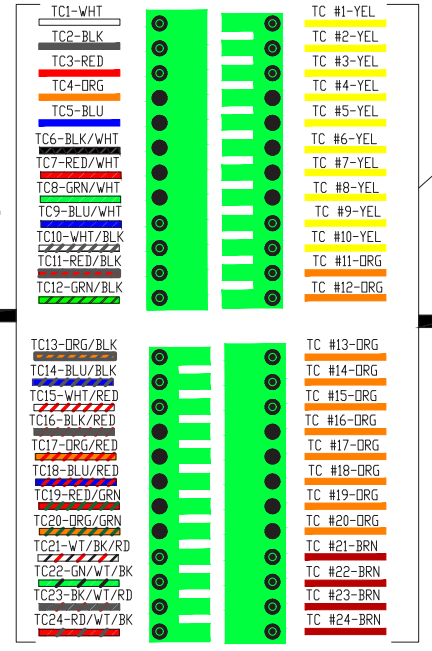
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002	2165	07/29/23	ETHAN L.
003	2165	08/31/23	HARSUMEET.S

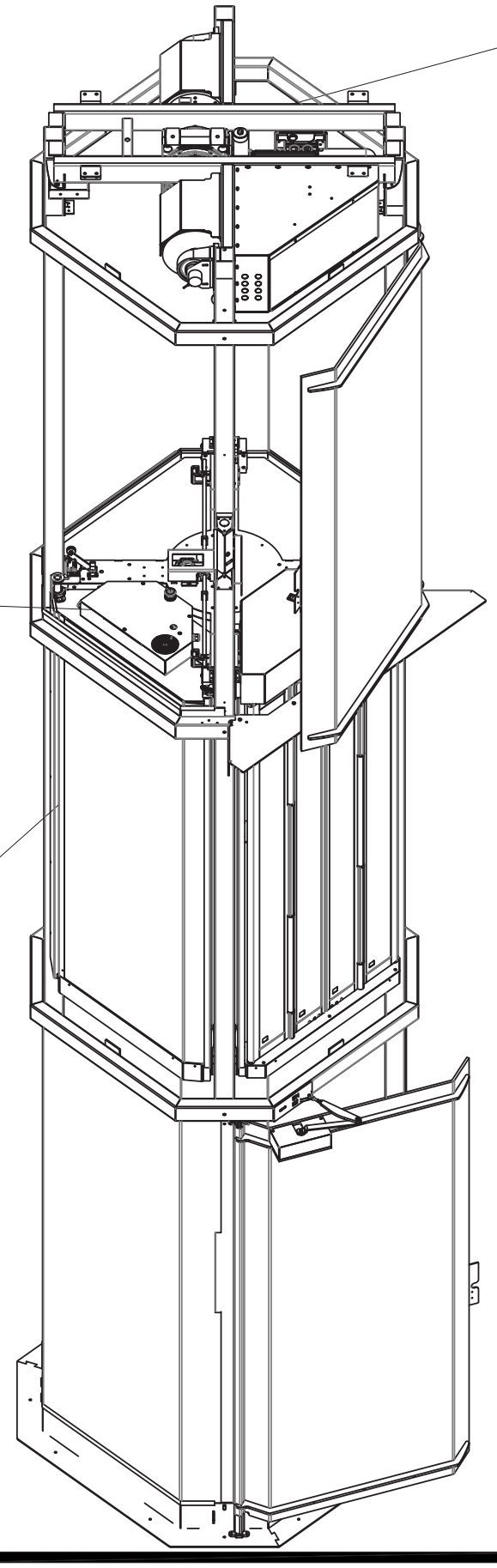
(001)
CAR TOP JUNCTION BOARD



ROUND CABLE
20AWG 25 COND.

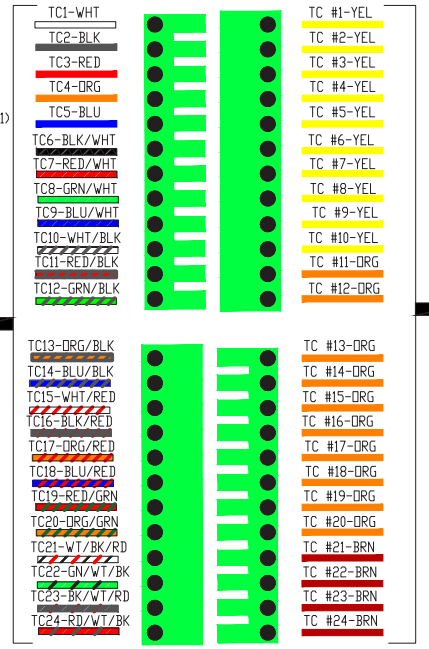
CONNECTORS BEHIND COP





FLAT TRAVELING CABLE
18AWG 24 COND.

CONNECTORS IN HOISTWAY TOP BOX

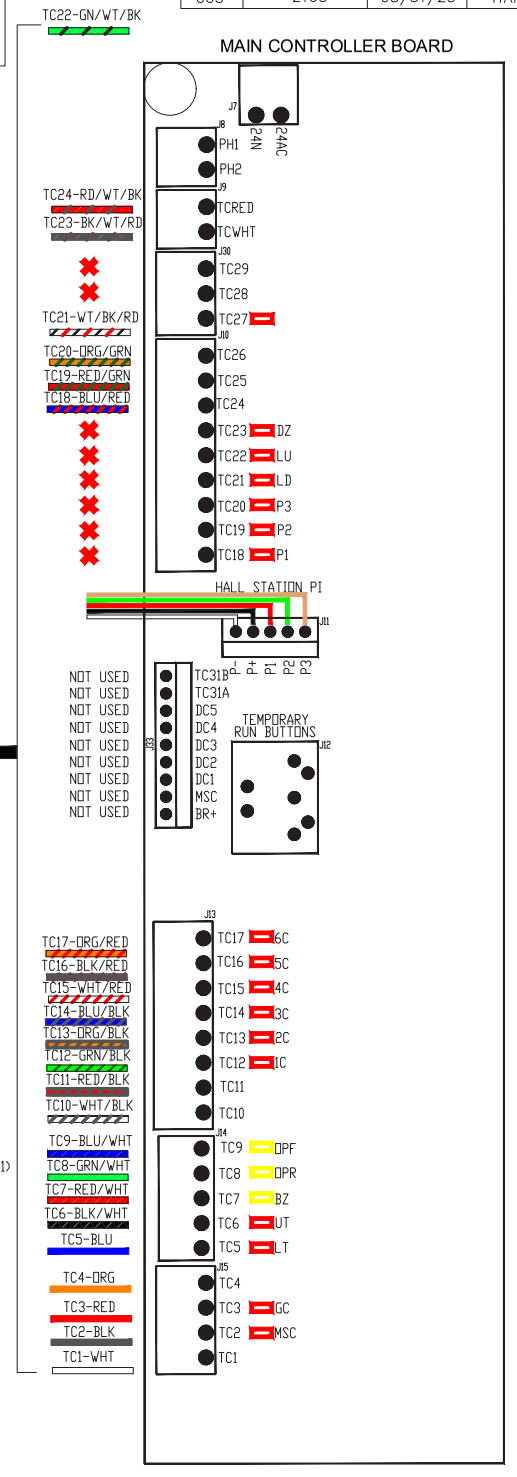


PS2 IN CONTROLLER

PS2 (brake)
24VDC 120W +V

ROUND CABLE
20AWG 25 COND.

MAIN CONTROLLER BOARD



(001)

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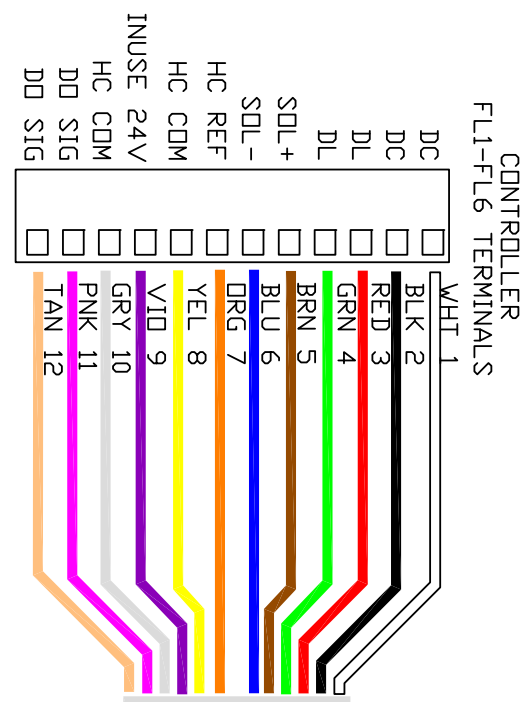
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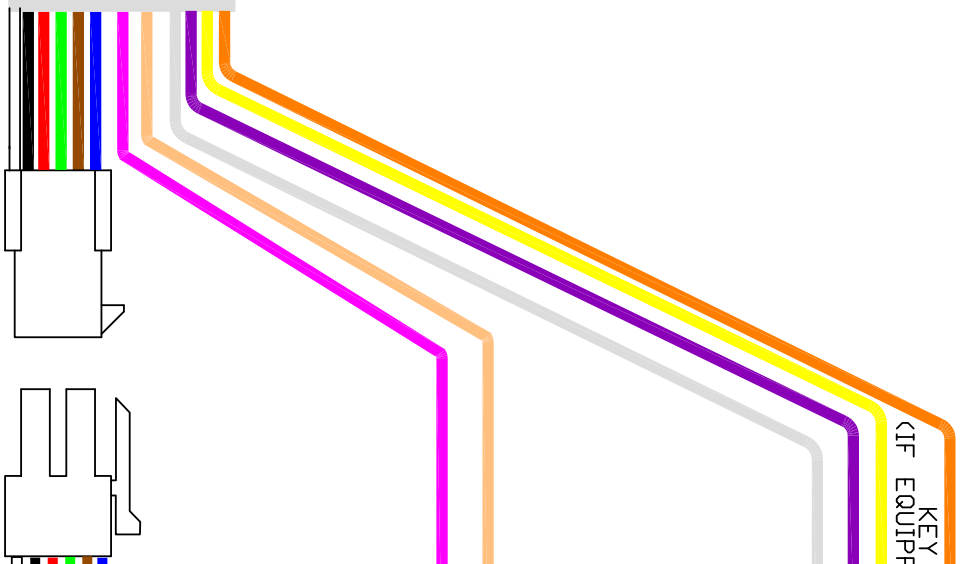
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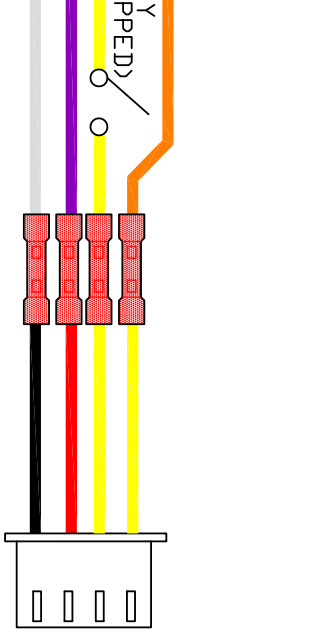
TITLE: VUELIFT CONTROLLER TRAVELING CABLE CONNECTIONS

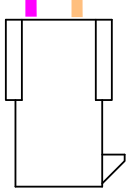
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VUELIFT (5 HP MOTOR) SCHEMATICS

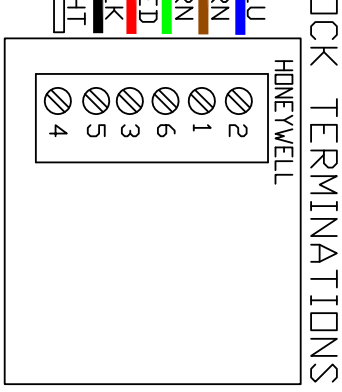








LANDING OPERATOR
<NOT USED>



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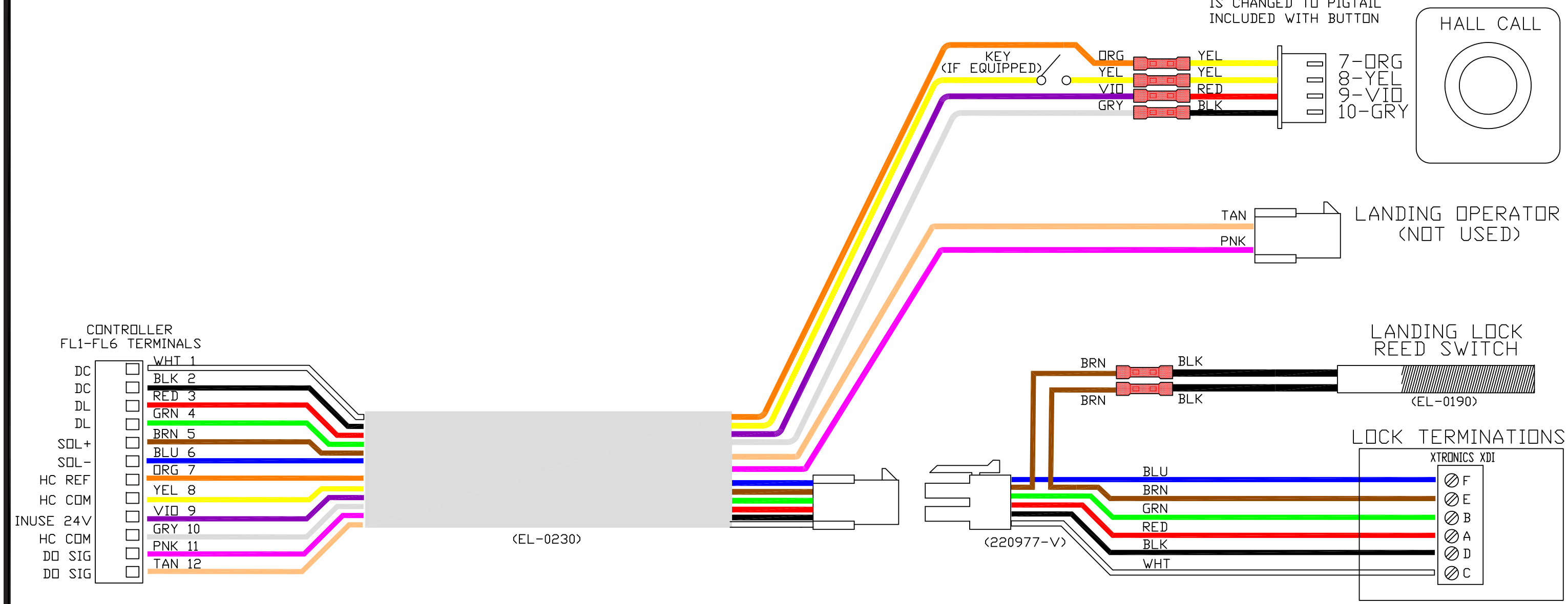
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NOTE: ENSURE BUTTON CONNECTOR IS CHANGED TO PIGTAIL INCLUDED WITH BUTTON



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VUELIFT (5 HP MOTOR) SCHEMATICS

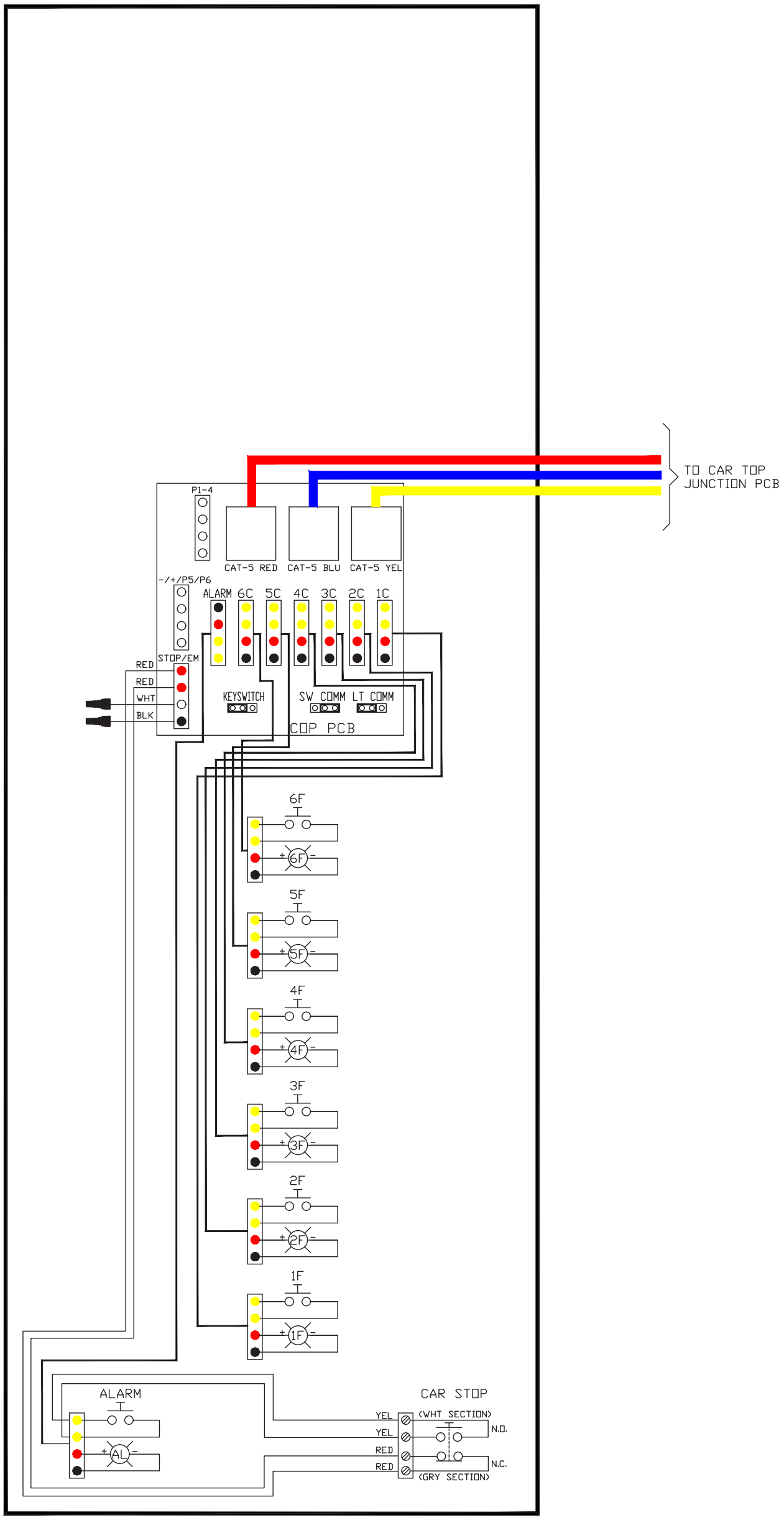
Controller PCB (P/N 772420) LEDs and Switches

LED	Description
DZ	Selector door zone indicator
UL	Selector up levelling indicator
DL	Selector down levelling indicator
P3	Selector P3 positioning (binary) indicator
P2	Selector P2 positioning (binary) indicator
P1	Selector P1 positioning (binary) indicator
AL	Cab lighting indicator
EL	Emergency light indicator
RP	Run pilot indicator
DC2	Fuse 2 status indicator
DC3	Fuse 3 status indicator
DC4	Fuse 4 status indicator
PT2	Overload/VFD status input indicator
CC	Motor auxiliary input indicator
TC27NLD	reset confirmation indicator
1EL - 6EL	Electric lock output indicators
DC	Doors closed contacts input indicator
DL	Doors locked contacts input indicator
HDC	All doors closed input indicator
HDL	All doors locked input indicator
1C	Floor 1 call input indicator
2C	Floor 2 call input indicator
3C	Floor 3 call input indicator
4C	Floor 4 call input indicator
5C	Floor 5 call input indicator
6C	Floor 6 call input indicator
OPF	Door open front input indicator
OPR	Door open rear input indicator
BZ	Buzzer output indicator
UT	Normal limit up input indicator
LT	Normal limit down input indicator
GC	Gates closed input indicator
MSC	Main safety chain input indicator
LPS1	Low pressure switch input indicator (Hydraulic)
	Optional car top inspection indicator (Eclipse only)
DE	Drive enable indicator
LE	Levelling indicator
HS	High speed indicator
DN	Down direction indicator
UP	Up direction indicator
OK	Watchdog input indicator
BK	Brake Relay Indicator
GCR	Gates closed relay indicator
GC1	Gate 1 closed indicator
DO	Door Open button indicator

Switch	Description
SW1	Set to GEAR for geared controller
	Set to HYDRO for hydraulic controller

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VUELIFT-6 CAR OPERATING PANEL 6-STOP



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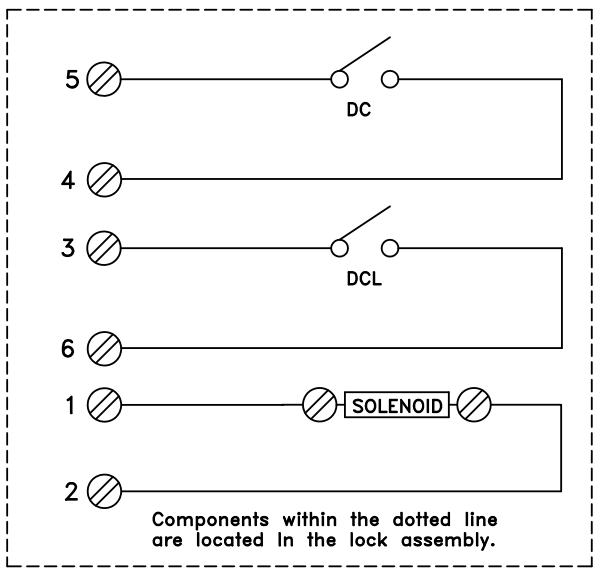
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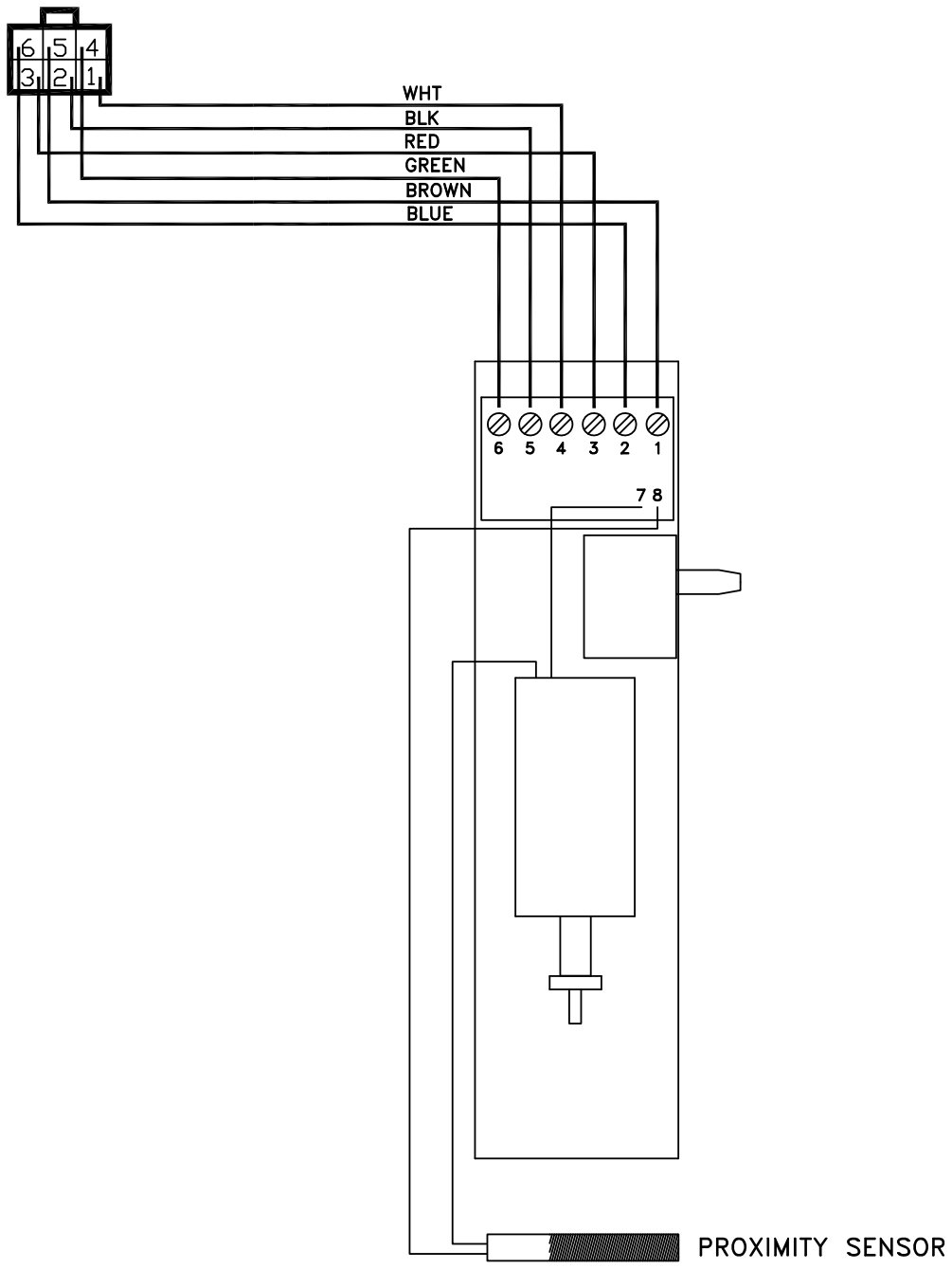
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FINISH: N/A	SHEET 1 OF 1	DRAWING NO: VUELIFT-6 COP	SIZE B

HONEYWELL LOCK CONNECTIONS





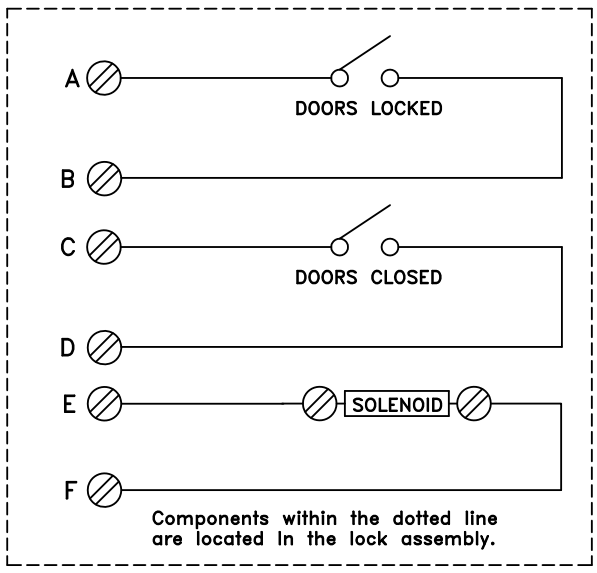
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5– DOOR CLOSED CONTACTS

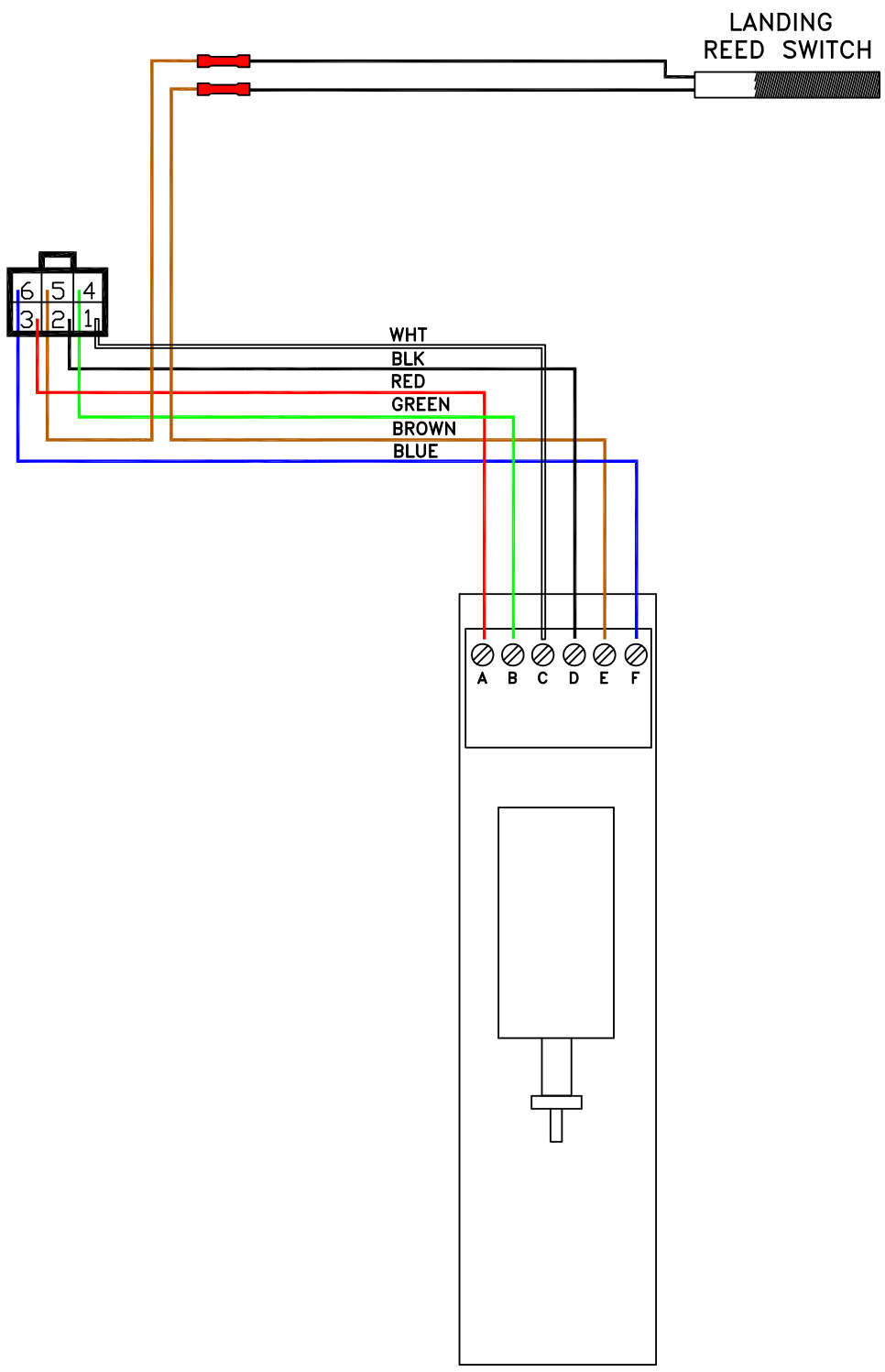
3–
6– DOOR LOCKED CONTACTS

1– LOCK SOLENOID +
2– LOCK SOLENOID –

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XTRONICS XDI LOCK CONNECTIONS





A–
B– DOOR LOCKED CONTACTS

C–
D– DOOR CLOSED CONTACTS

E– LOCK SOLENOID
F– LOCK SOLENOID

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TITLE: VUELIFT–6 CONTROLLER XTRONICS XDI LOCK CONNECTION DIAGRAM

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ANGLES X =±2.X =±0.5

MATERIAL: N/A

FINISH: N/A

DO NOT SCALE DRAWING

REMOVE ALL BURRS & SHARP CORNERS

DESIGNED BY:	DESIGN DATE:	SCALE:	REVISION:
		N/A	001
DRAWN BY:	DRAWN DATE:	DRAFTSPERSON:	
CQ	05/30/19	N/A	

SHEET 1 OF 1

DRAWING NO: VUELIFT–6 LOCK_HOOK

SIZE B

POWER PCB

BL

REF

L1 L2 L2

P3/D8 P7/B8
P4/B1 P8/B2
P6/B2 P8/B8

REF

P3/D1 P6/B1
P6/B7 P8/C2
24DC2

P4/C2
24DC3

P4/B2
P5/C3
24DC4

OL

CC

F2 3A

F3 3A

F4 2A

F1 4A

110V
P2/B3
P6/C2

110N
P2/C3
P5/A1
P6/C2

P5/F2
N2

N2 110 SW2 SW1 L N +V -V

Plug to:
UPS Recept.

N OUT1 H
UPS 500VA
N IN H

RESET

+24V FROM DLM

REF FROM DLM

PS1 (controls)
24VDC 60W

P2/E3
110N

F8 15A

Recpt. to:
UPS Plug

DISCONNECT INTERLOCKED AUX. SWITCH

PS2 (brake)
24VDC 120W

+V2 **P2/E1, P6/D2**
-V2 **P2/E2**

PS5 (EC1)
24VDC 60W

+V3
G
P6/F4

PT1 PT2 CC

RUN SE

13 14
M1
AUX2

A2

NORMAL POWER NP

A1

L1 L2 N

NP
L4 T1
L2 T2
L3 T3
L1 T4

L2

P2/G4

L1

F6 1A

H1 T2 X1
H N 110 230 **F7 2.5A**
H2 X2

Plug to:
UPS Recept.

OUT2
UPS 500VA

250VA
Emergency
Power

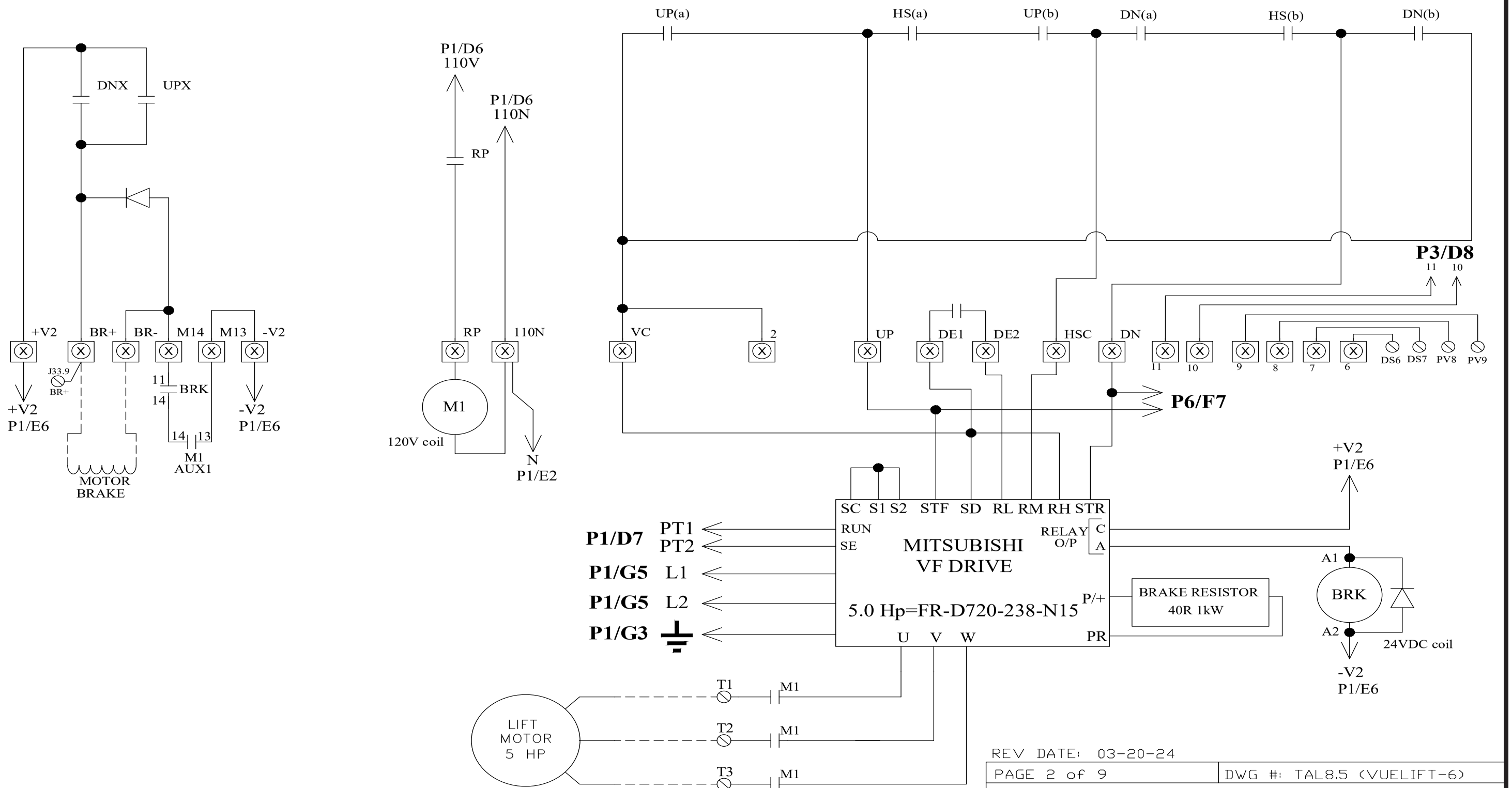
240VAC–1–60 POWER
AND 30 AMP MAX. DUAL
ELEMENT TIME DELAY FUSES
SUPPLIED BY THE ELECTRICAL
CONTRACTOR PER NEC CODE.

REV DATE: 03-20-24

PAGE 1 of 9	MODEL TYPE: GEARED
JOB#:	DIST:
DWG #: TAL8.5 (VUELIFT-6)	JOB NAME:
DWG DATE:	ENGR:

SAVARIA VUELIFT (GEARED-5 HP)

Part No. 001399 (28-m04-2026)

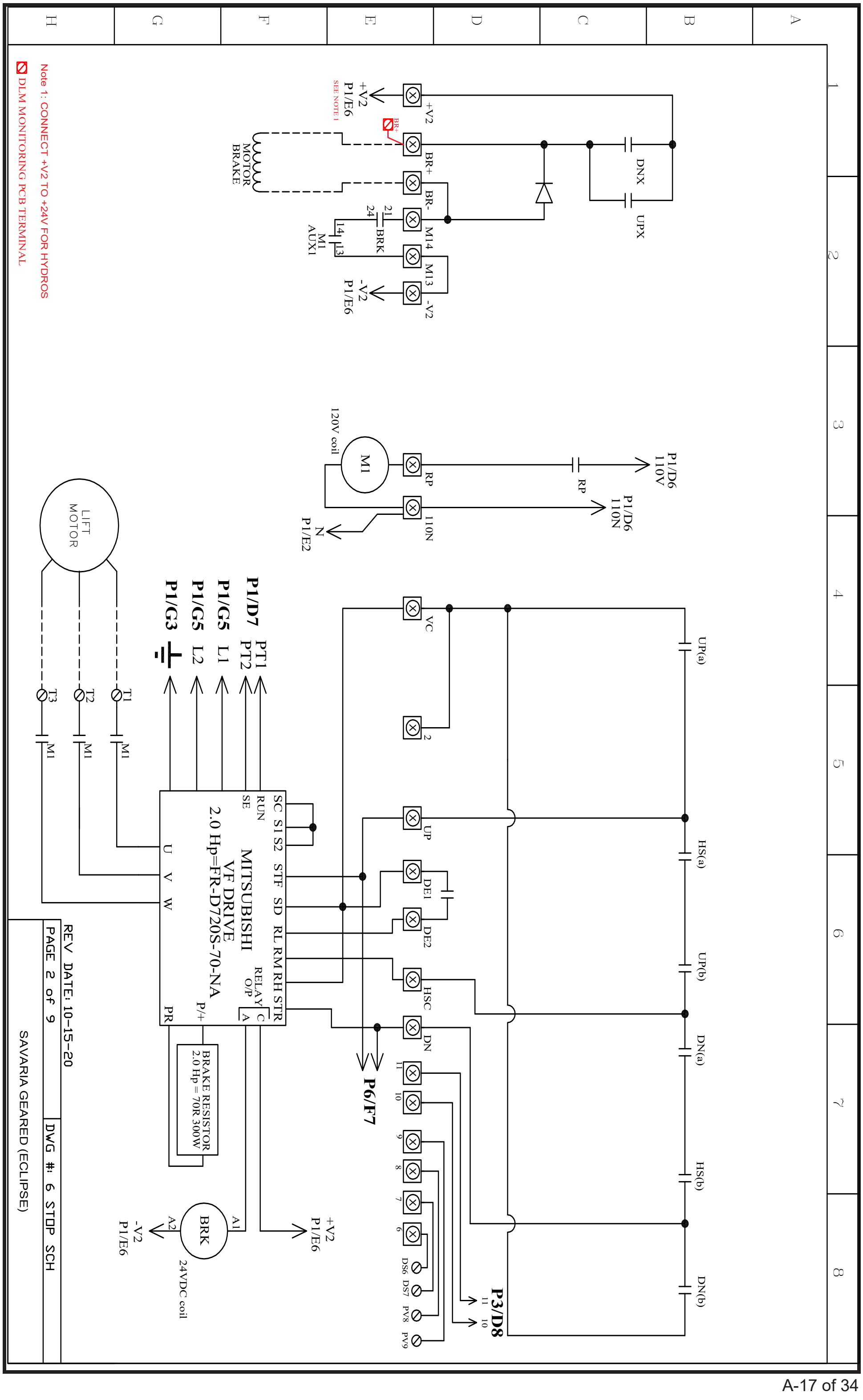


REV DATE: 03-20-24

PAGE 2 of 9 | DWG #: TAL8.5 (VUELIFT-6)

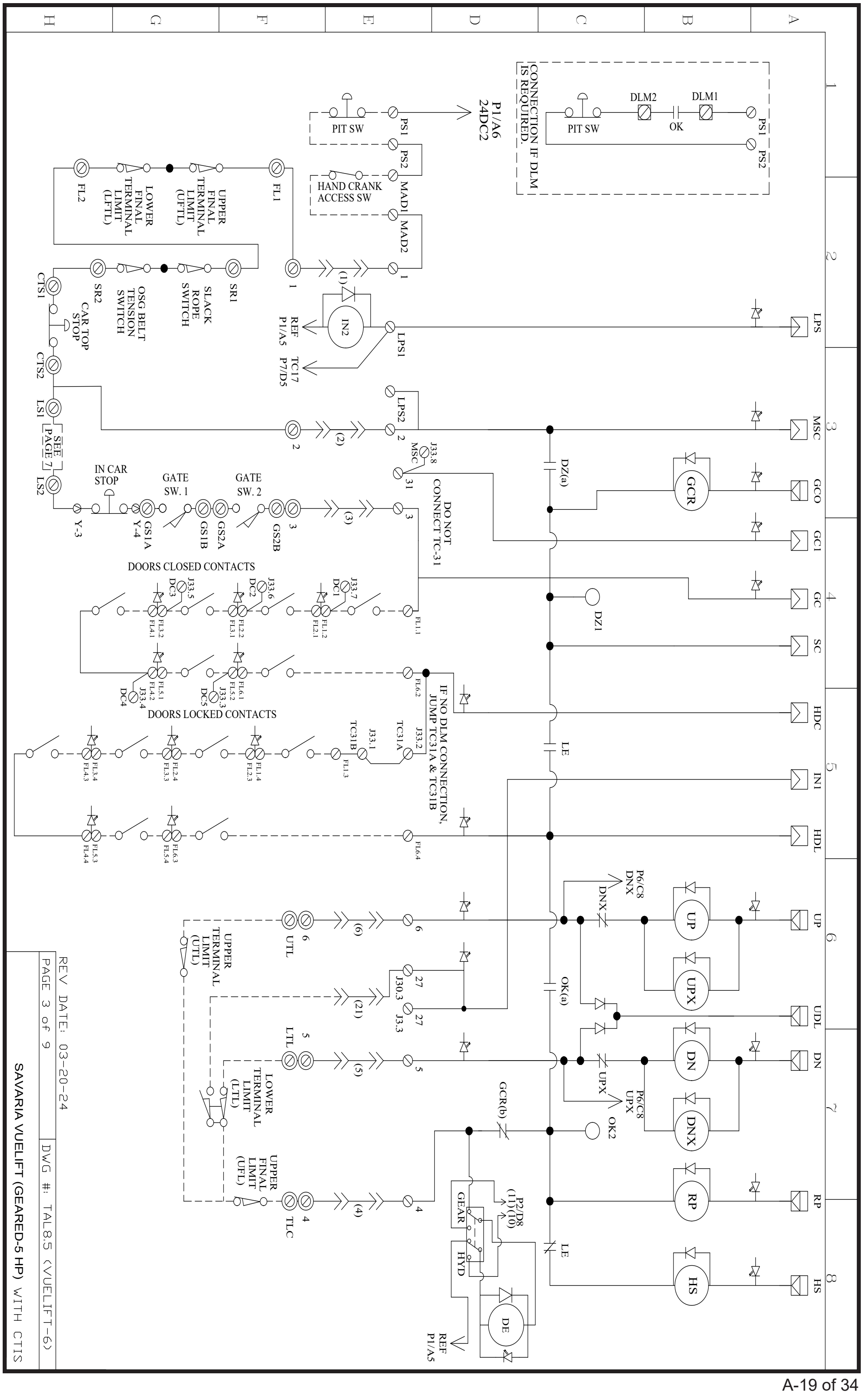
SAVARIA VUELIFT (GEARED-5 HP)

VUELIFT (5 HP MOTOR) SCHEMATICS



P1/A6
24DC2
PIT SW
PS1
PS2
HAND CRANK
ACCESS SW
MAD1
MAD2
CONNECTION IF DLM
IS REQUIRED.
DLM2
DLM1
OK
FL2
FL1
UPPER
FINAL
TERMINAL
LIMIT
(UFTL)
LOWER
FINAL
TERMINAL
LIMIT
(LFTL)
SLACK
ROPE
SWITCH
OSG BELT
TENSION
SWITCH
CAR TOP
STOP
SR1
SR2
CTS1
CTS2
LS1
LS2
LPS
LPS1
LPS2
MSC
J33.8
31
DO NOT
CONNECT TC-31
IF NO DLM CONNECTION,
JUMP TC31A & TC31B
TC31A
TC31B
J33.2
J33.1
FL1.3
FL6.2
FL6.4
DOORS CLOSED CONTACTS
DOORS LOCKED CONTACTS
J33.5
DC3
J33.6
DC2
J33.7
DC1
J33.4
DC4
J33.3
DC5
FL1.1
FL3.2
FL4.1
FL2.2
FL3.1
FL1.2
FL2.1
FL5.1
FL4.2
FL6.1
FL5.2
FL3.4
FL4.3
FL2.4
FL3.3
FL1.4
FL2.3
FL5.3
FL4.4
FL6.3
FL5.4
IN CAR
STOP
GATE
SW. 1
GATE
SW. 2
Y-3
Y-4
GS1A
GS1B
GS2A
GS2B
DZ(a)
DZ1
GCR
OK(a)
OK2
GCR(b)
P6/C8
DNX
P6/C8
UPX
DNX
UPX
LE
P2/D8
(11)(10)
GEAR
HYD
DE
REF
P1/A5
UP
UPX
DN
DNX
RP
HS
UDL
GC1
GC
SC
HDC
IN1
HDL
MSC
GCO
GCR
UTL
LTL
UFL
LTC
UPPER
TERMINAL
LIMIT
(UTL)
LOWER
TERMINAL
LIMIT
(LTL)
UPPER
FINAL
LIMIT
(UFL)
J30.3
J3.3
(1)
(2)
(3)
(4)
(5)
(6)
(21)
REV DATE: 03-20-24
PAGE 3 of 9
DWG #: TAL8.5 (VUELIFT-6)
SAVARIA VUELIFT (GEARED-5 HP)

VUELIFT (5 HP MOTOR) SCHEMATICS



REV DATE: 03-20-24

PAGE 3 of 9 | DWG #: TAL8.5 (VUELIFT-6)

SAVARIA VUELIFT (GEARED-5 HP) WITH CTIS

Note: Available with the SCTAL8 software version 3.5.0

DLM MONITORING PCB TERMINAL

P1/A6
24DC2

PIT SW

PS1

PS2

DLM1

MOTOR
ACCESS DOOR

MAD1

MAD2

OK

DLM2

1

(1)

FL1

SR2

SAFETY-
-SLACK
SWITCH

SR1

FL2

FINAL
LIMIT

CTS1

CT STOP

CTS2

LS1

IN5404

LS2

IN CAR
STOP

GATE
SW. 1

GATE
SW. 2

Y-3

Y-4

GS1A

GS1B

GS2A

GS2B

3

(3)

2

(2)

LPS1

LPS2

MSC

LPS

DZ(a)

GCR

GCO

GC

GCR(b)

+24

GCRT

DZ1

SC

NOTE:
GCR ALWAYS ON AT THE
FLOOR LEVEL

GCR(a)

GCR(a)

HDC

LE

IN1

HDL

DOORS CLOSED CONTACTS

DC3

DC2

DC1

FL4.1

FL3.2

FL3.1

FL2.2

FL2.1

FL1.2

FL1.1

FL5.1

FL4.2

FL6.1

FL5.2

FL6.2

DC4

DC5

DOORS LOCKED CONTACTS

DC6

FL4.3

FL3.4

FL3.3

FL2.4

FL2.3

FL1.4

TC31B

BF

TC31A

FL1.3

END-OF-
TRAVEL
SWITCHES

FL5.3

FL4.4

FL5.4

FL6.3

FL6.4

UP

UPX

DNX

OK(a)

DN

UPX

OK2

RP

LE

HS

UTL

UPPER
TERMINAL
LIMIT

J29.3

J3.3

LTL

LOWER
TERMINAL
LIMIT

TLC

P2/D8
(11)(10)

GEAR

HYD

DE

REF
P1/A5

TAN

YEL

ORG

BLU

PNK

MOTOR ACCESS
DOOR CONNECTIONS

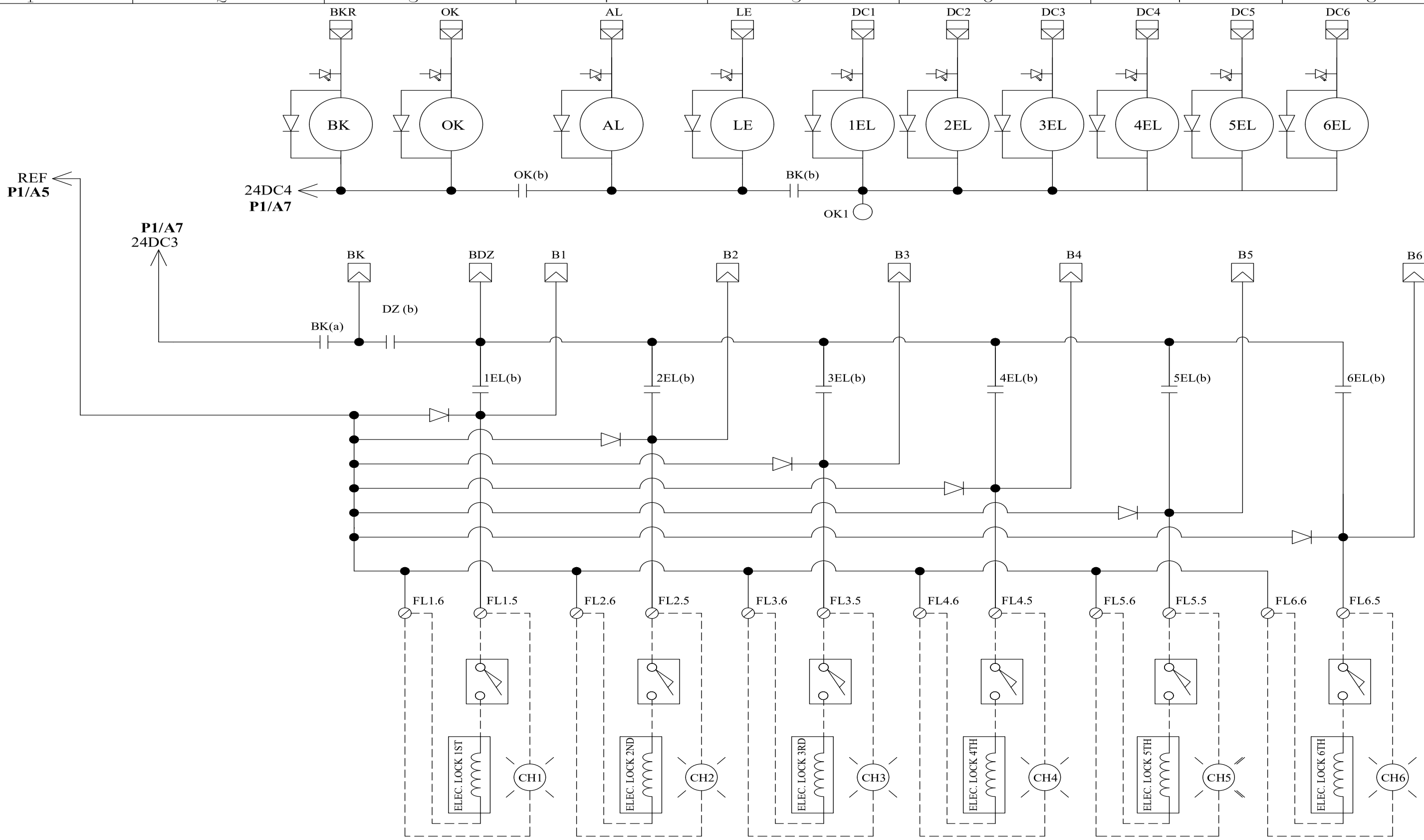
TC11
P6/E1

REV DATE: 10-15-20

PAGE 3 of 9

DWG #: 6 STOP SCH

SAVARIA GEARED (ECLIPSE)

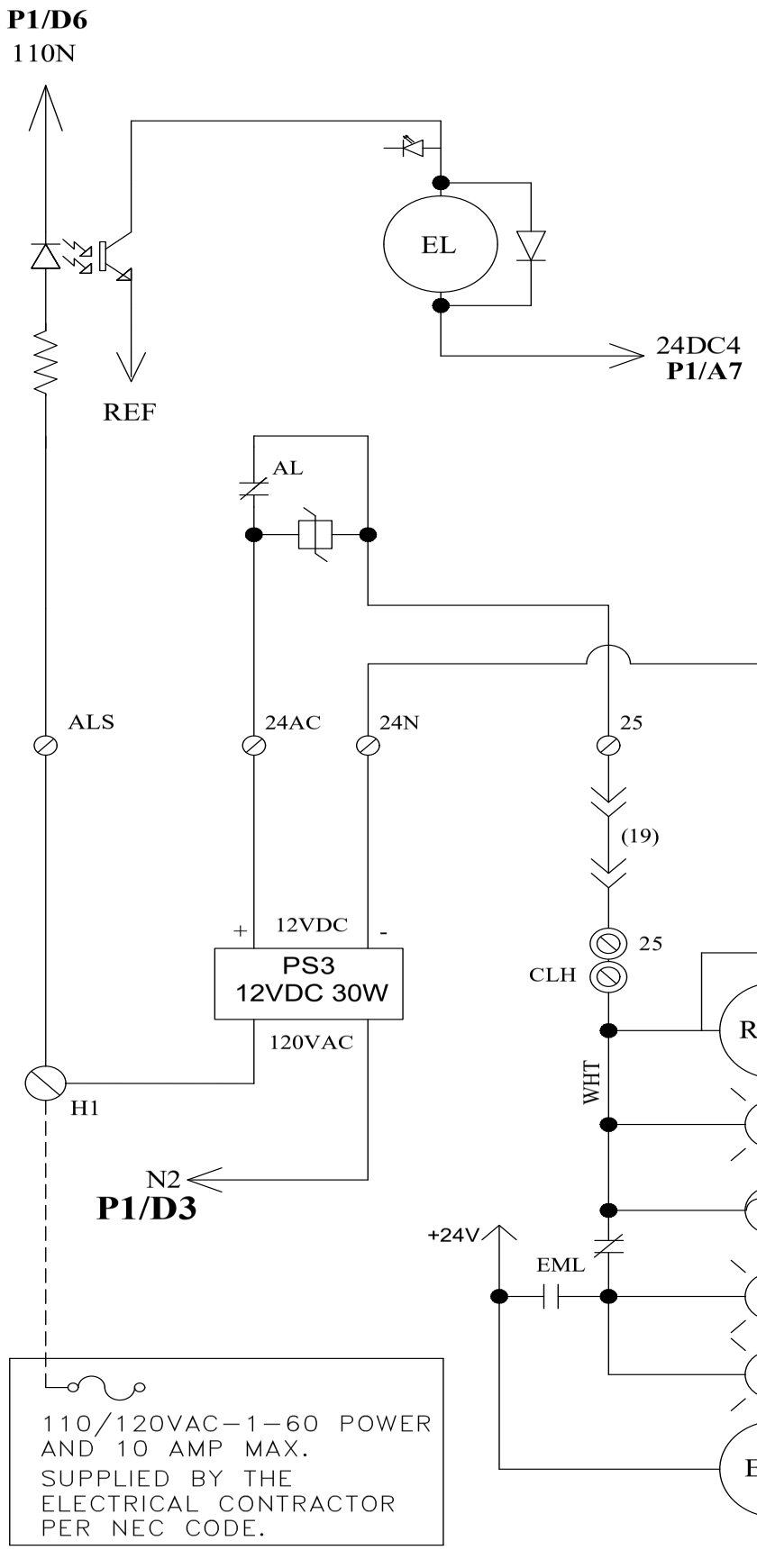


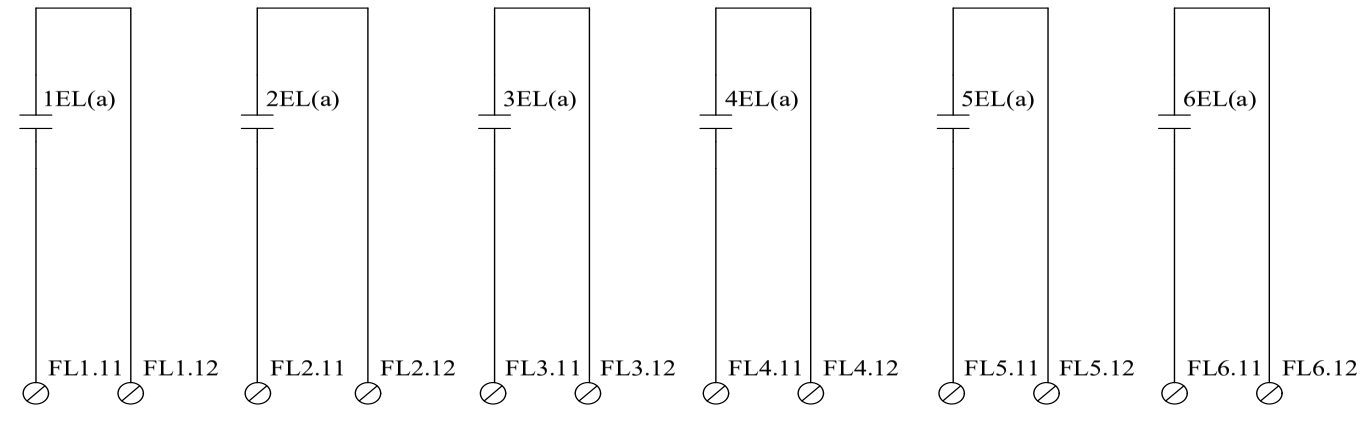
EMI LOCKS AND CAR HERE LIGHTS

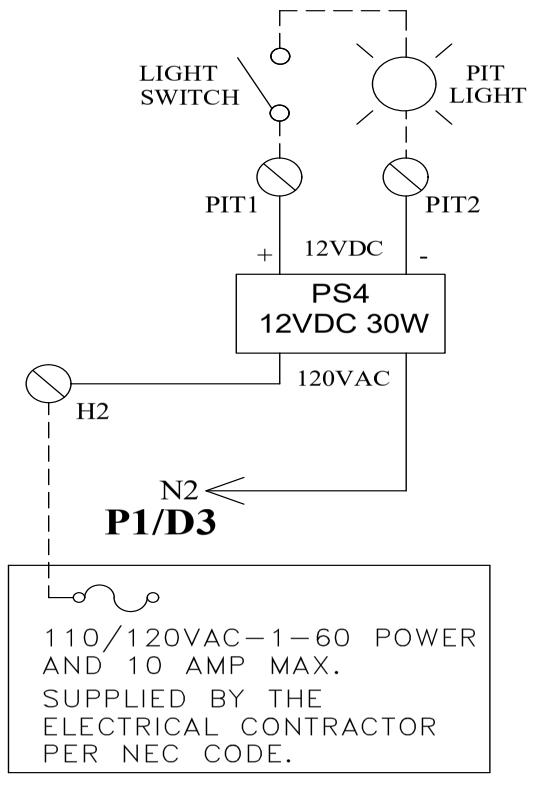
REV DATE: 03-20-24

PAGE 4 of 9 | DWG #: TAL8.5 (VUELIFT-6)

SAVARIA VUELIFT (GEARED-5 HP)







REV DATE: 03-20-24

PAGE 5 of 9	DWG #: TAL8.5 (VUELIFT-6)

SAVARIA VUELIFT (GEARED-5 HP)

1 2 3 4 5 6 7 8

A B C D E F G H

OPF

OPR

DZR

DZ

LU

LD

P1

P2

P3

TC30

REF
P1/A5

24DC2
P1/A6

DZ

DIN JACK

24DC2
P1/A6

110V
P1/D6

110N
P1/D6

P- P+ P1 P2 P3

TERMINALS FOR OPTIONAL
HALL STATION PI'S

P3/C7
UPX

PC/C6
DNX

UPX(b)

DNX(b)

11 BLK14 WHT14 9 8 23 22 21 18 19 20 28 29 30

J30.2 J30.1 J3.1

+V2
P1/E6

(11)

(22)

BLK14 WHT14
110H 110N

(9)

(8)

9
OPF

8
OPR

11

P8/G1
P7/G7
+24V

+24V REF

IN(H) IN(N)

V+ V- V+ V-

OPTIONAL
FRONT
GATE
OPERATOR

OPTIONAL
REAR
GATE
OPERATOR

COMF COMR

P8/E8
REF

BLU BRN GRN WHT BLK RED

DZ UL DL P1 P2 P3

J7
OUTPUTS

P1/F6
PS5

RED
BLK

+V
G

J1
POWER

EC1 PCB

J6
INPUTS

+V
IN2
DN
UP
IN1

WHT
BLK
RED
GRN
BRN

IN2
REED
SWITCH

P3/E6
J29.3

J3
ENCODER

A B Z +V GND

GRN ORG BLK RED WHT

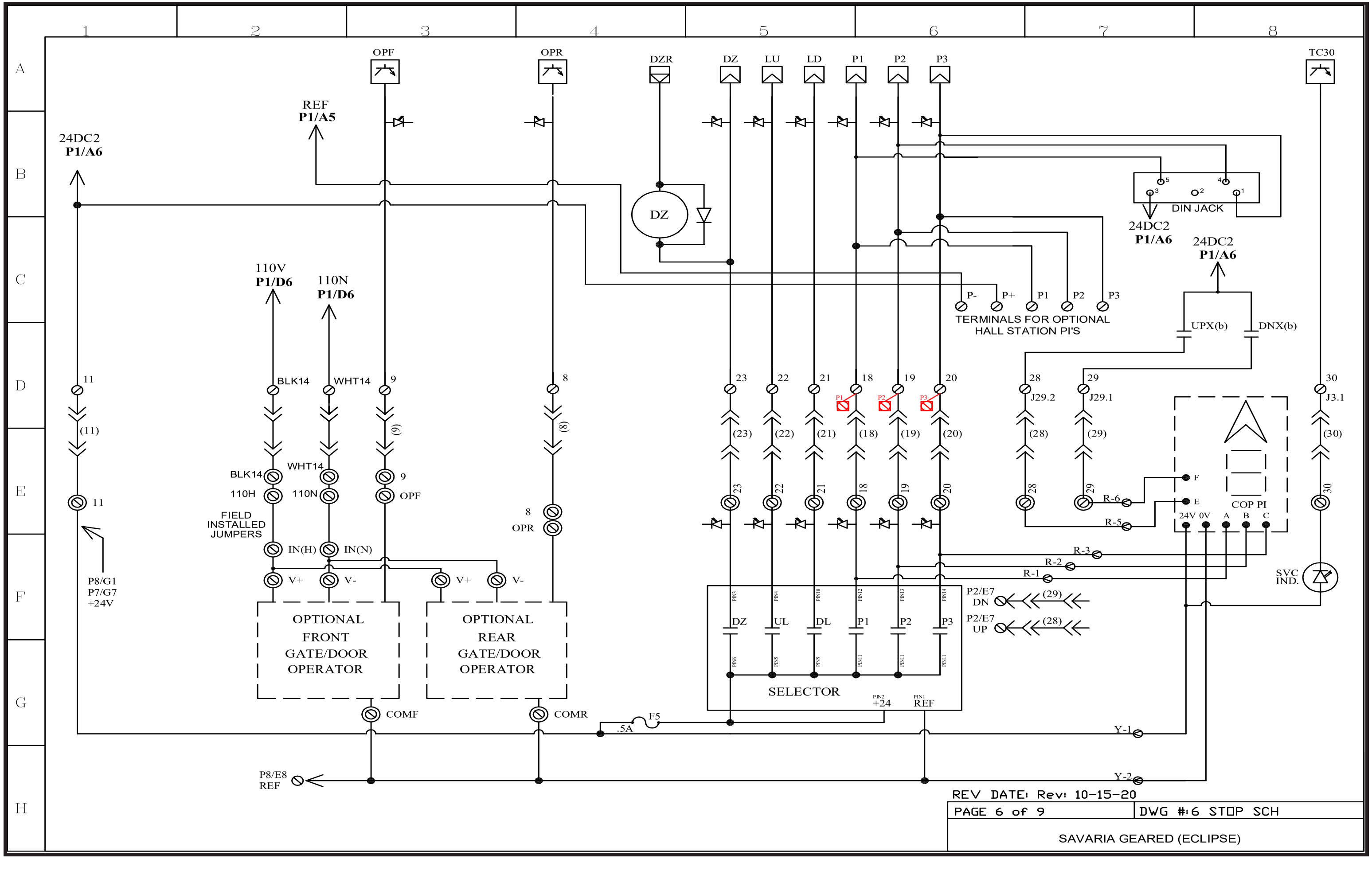
MOTOR
ENCODER

FOR J3 HARNESS INFORMATION, REFER TO ENCODER WIRING ILLUSTRATION IN SCHEMATIC PACKAGE.

REV DATE: 03-20-24

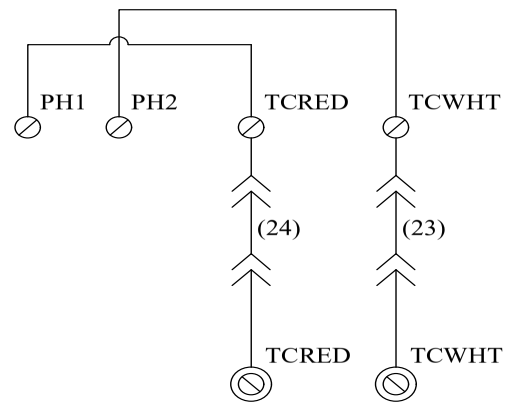
PAGE 6 of 9 | DWG #:TAL8.5 (VUELIFT-6)

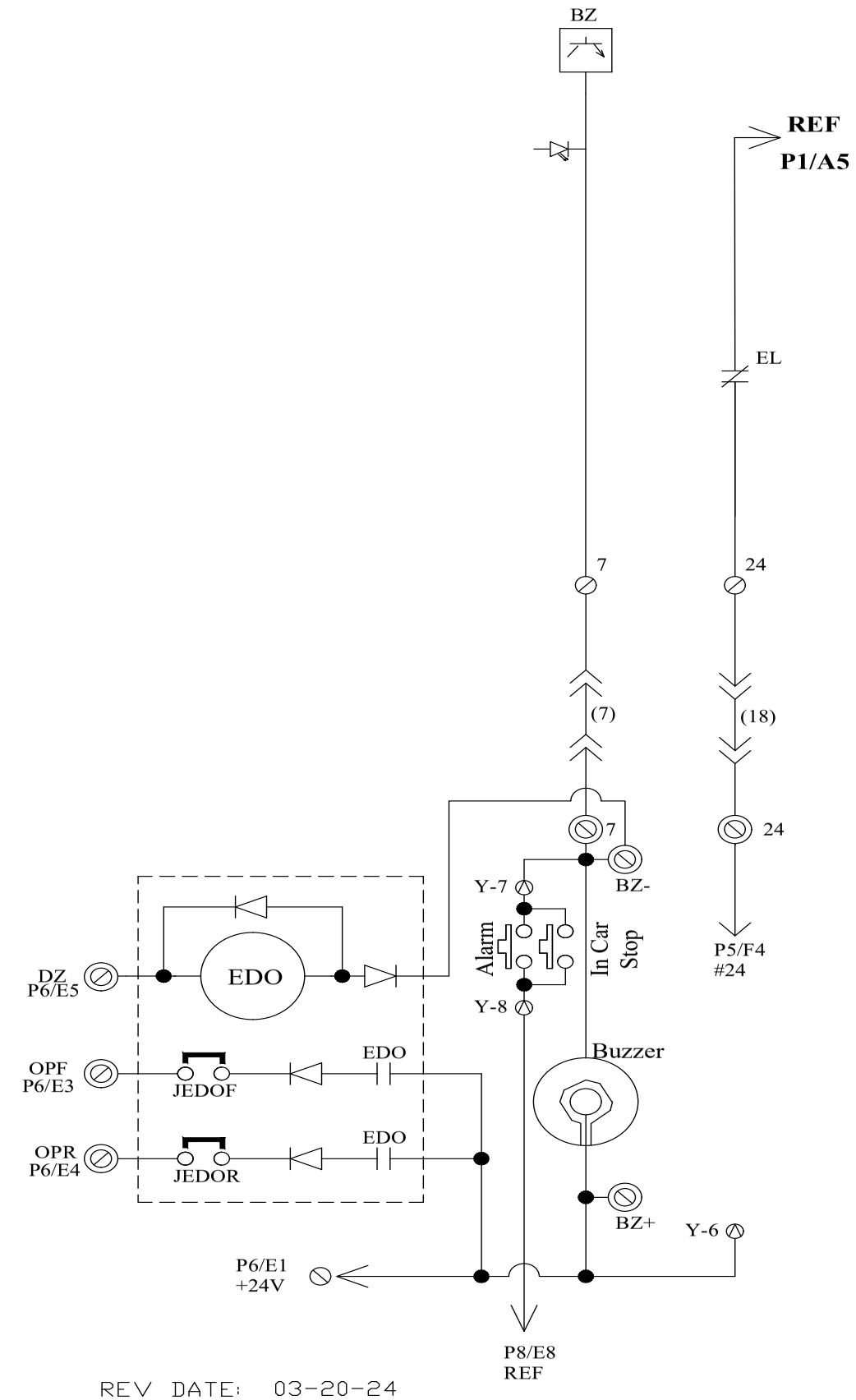
SAVARIA VUELIFT (GEARED-5 HP)



REV DATE: Rev: 10-15-20

PAGE 6 of 9	DWG #:6 STOP SCH
SAVARIA GEARED (ECLIPSE)	

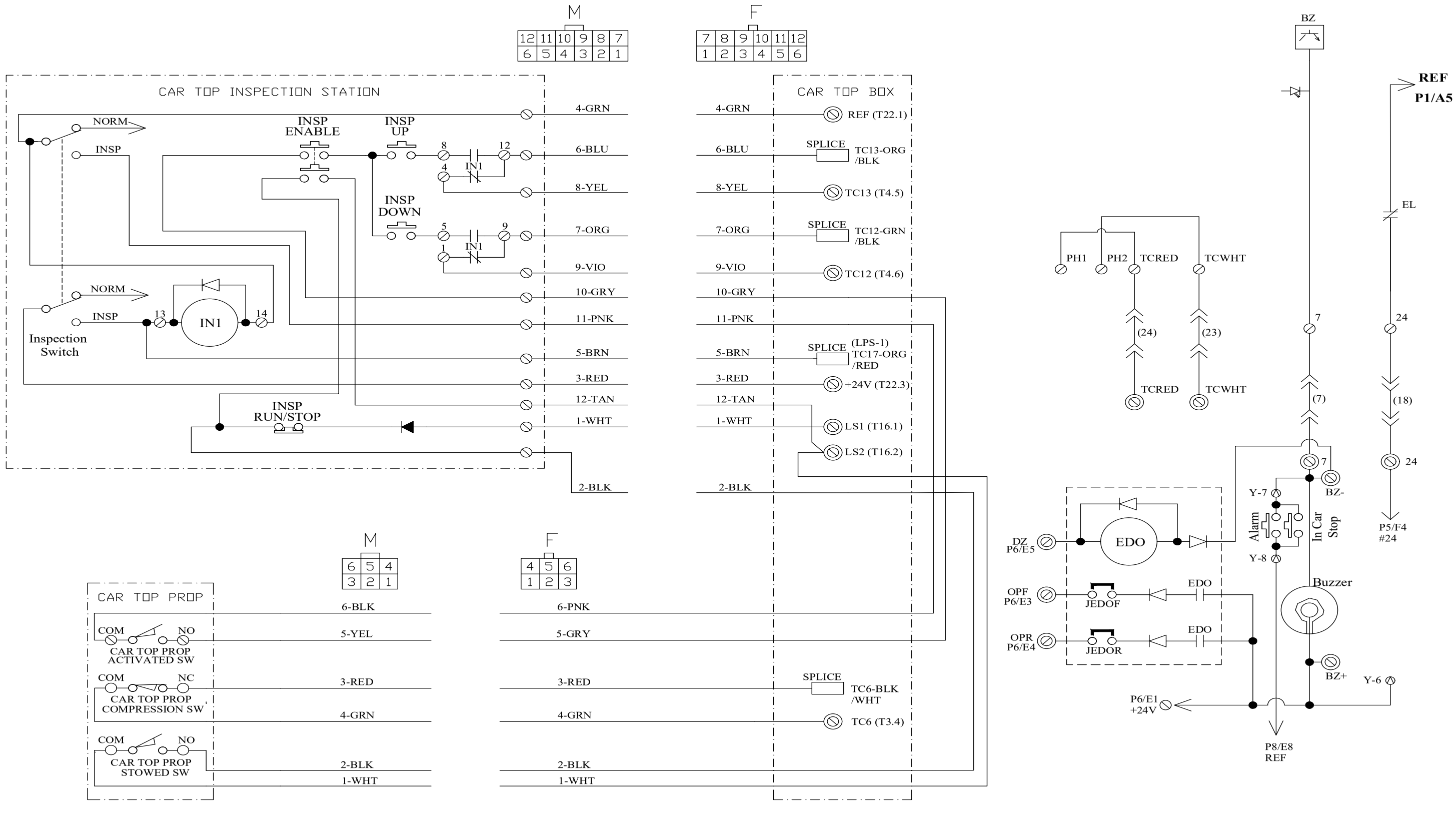




REV DATE: 03-20-24

PAGE 7 of 9	DWG #:TAL8.5 (VUELIFT-6)

SAVARIA VUELIFT (GEARED-5 HP)

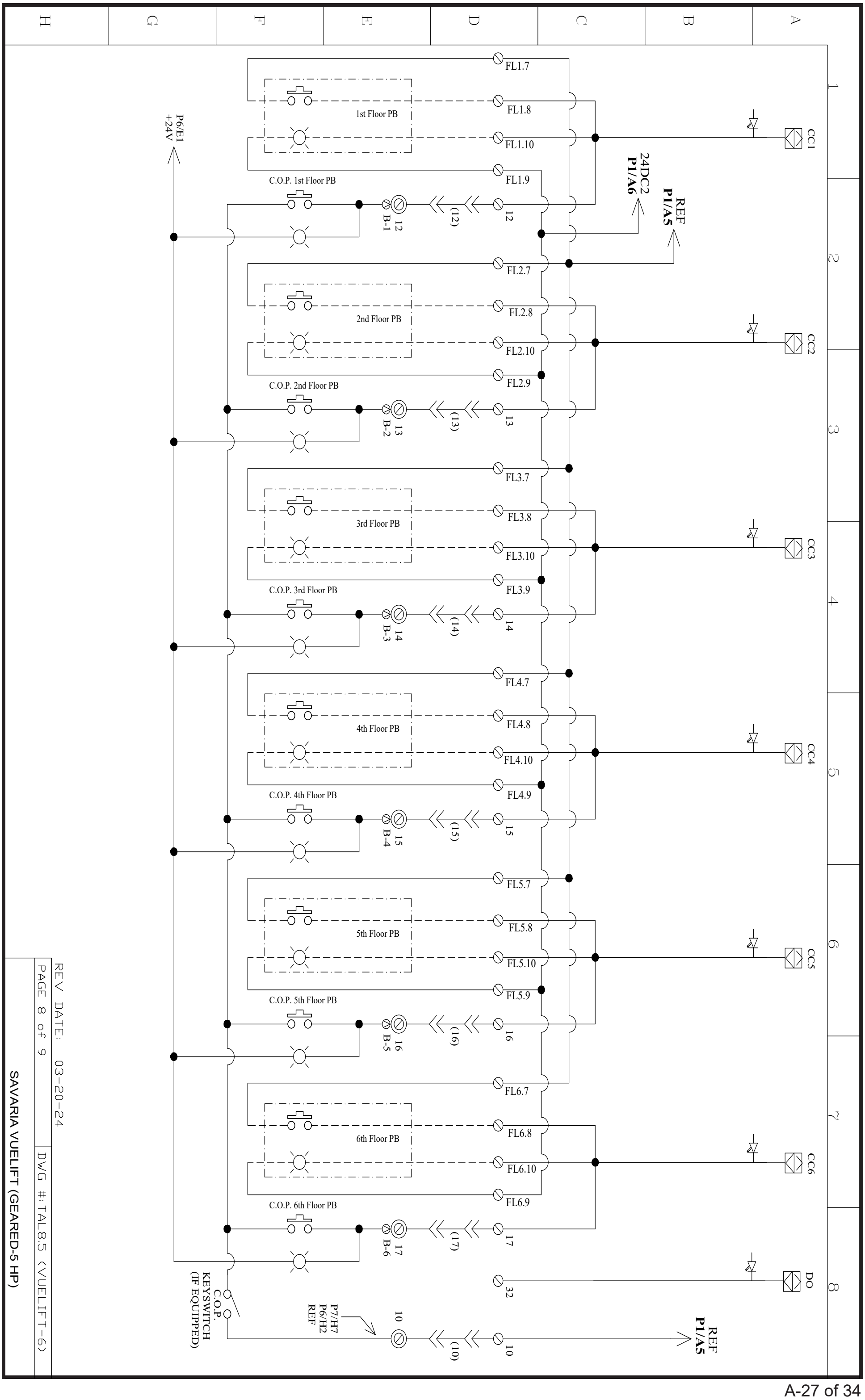


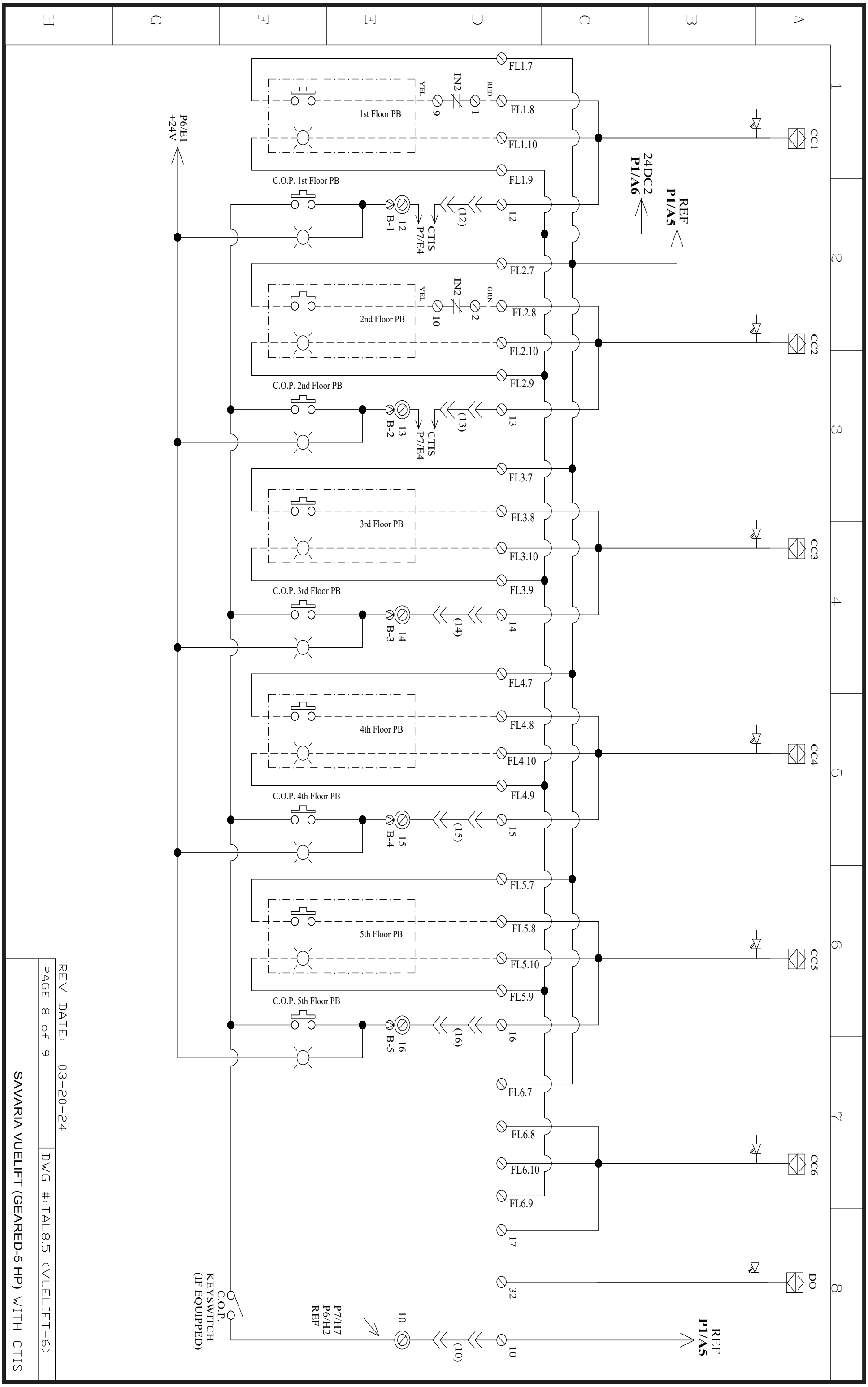
REV DATE: 03-20-24

PAGE 7 of 9	DWG #: TAL8.5 (VUELIFT-6)

SAVARIA VUELIFT (GEARED-5HP) WITH CTIS

VUELIFT (5 HP MOTOR) SCHEMATICS





REV DATE: 03-20-24

PAGE 8 of 9

DWG #: TAL8.5 <VUELIFT-6>

SAVARIA VUELIFT (GEARED-5 HP) WITH CTIS

CONTROLLER TERMINAL STRIP CONNECTION

CAR TOP BOX TERMINAL

CAT-5 TERMINAL

PCB TERMINAL (INTERNAL)

PCB TERMINAL (FIELD)

COMPUTER BIDERECTIONAL TERMINAL

COMPUTER INPUT

COMPUTER OUTPUT

COMPUTER TRANSISTOR OUTPUT

HOISTWAY CONNECTED WIRE

FACTORY CONNECTED WIRE

BRIDGE RECTIFIER

VARISTOR

TRAVEL CABLE WIRE

RELAY COIL

VALVE COIL

LIMIT SWITCH N.C.

LIMIT SWITCH N.O.

P1 P2 TEMPERATURE SENSER

LIGHT

PUSH BUTTON

DIODE

TOGGLE SW
DPDT

CONTACT N.O.

CONTACT N.C.

HAND OPERATED SWITCH N.C.

HAND OPERATED SWITCH N.O.

FUSE

Test point on PCB

PRESSURE SWITCH N.O.

CIRCUIT BREAKER

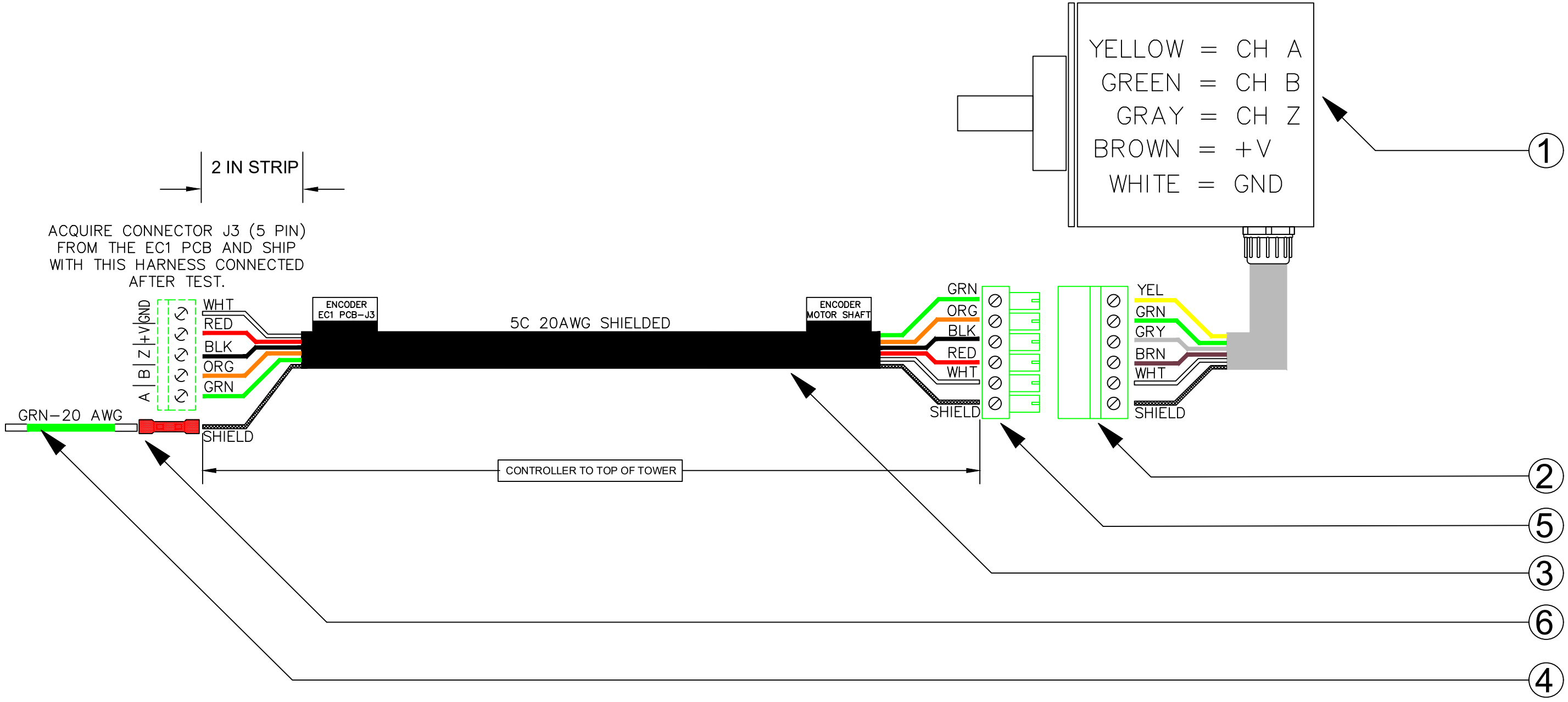
REV DATE: 03-20-24

PAGE 9 of 9 | DWG #:TAL8.5 (VUELIFT-6)

SAVARIA VUELIFT (GEARED-5 HP)

VUELIFT (5 HP MOTOR) SCHEMATICS

REV.	ECO NO.	DESCRIPTION	REV. BY	APPR. BY	DD/MM/YYYY
4	1909	INITIAL RELEASE	J. SEMERDJIAN	J. SEMERDJIAN	06/06/2022
5	2888	CHANNEL A & B TO MATCH THE SPECIFICATION	H. SINGH	J. SEMERDJIAN	23/04/2026



NOTES:
1. INCREMENTAL ENCODER (OPKON-PRID 50AR8 LTP 1024 Z V3)
2. SCREW TERMINAL-6POS FEMALE (PHOENIX CONTACT-1857922)
3. WIRE IS 20AWG, 5C, SHIELDED, FT-4, CSA APPROVED
4. WIRE IS 30", 20AWG, GREEN, TYPE-B HOOK UP, CSA APPROVED
5. SCREW TERMINAL-6POS MALE (PHOENIX CONTACT-1803617)
6. BUTT SPLICE RED (PROVO T870)

APPLY IDENTIFYING LABELS TO EACH END OF THE CABLE

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES.
ALL DIMENSIONS IN [] ARE METRIC.
TOLERANCES:
.X= ± .1 [X=±3]
.XX= ± .03 [X.X=± 0.8]
.XXX= ± .010 [X.XX=± 0.25]
ANGLES .X °=± .5°

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DO NOT SCALE DRAWING

	NAME	DD/MM/YYYY
DESIGNED BY	C. QUIRK	13/05/2019

MATERIAL: N/A

FINISH: N/A

NOTES (UNLESS OTHERWISE SPECIFIED):
-REMOVE ALL BURRS, WELDING SPATTER, SHARP CORNERS, OIL, LUBRICANTS AND OTHER CONTAMINANTS.
- THE DIMENSIONS ON THE PRESENT DRAWING OVERRIDE ANY OTHER DATA (I.E., *.DXF, *.SLDPRT, ETC.).

savaria®

TITLE: VUELIFT-6 CONTROLLER INCREMENTAL ENCODER HARNESS

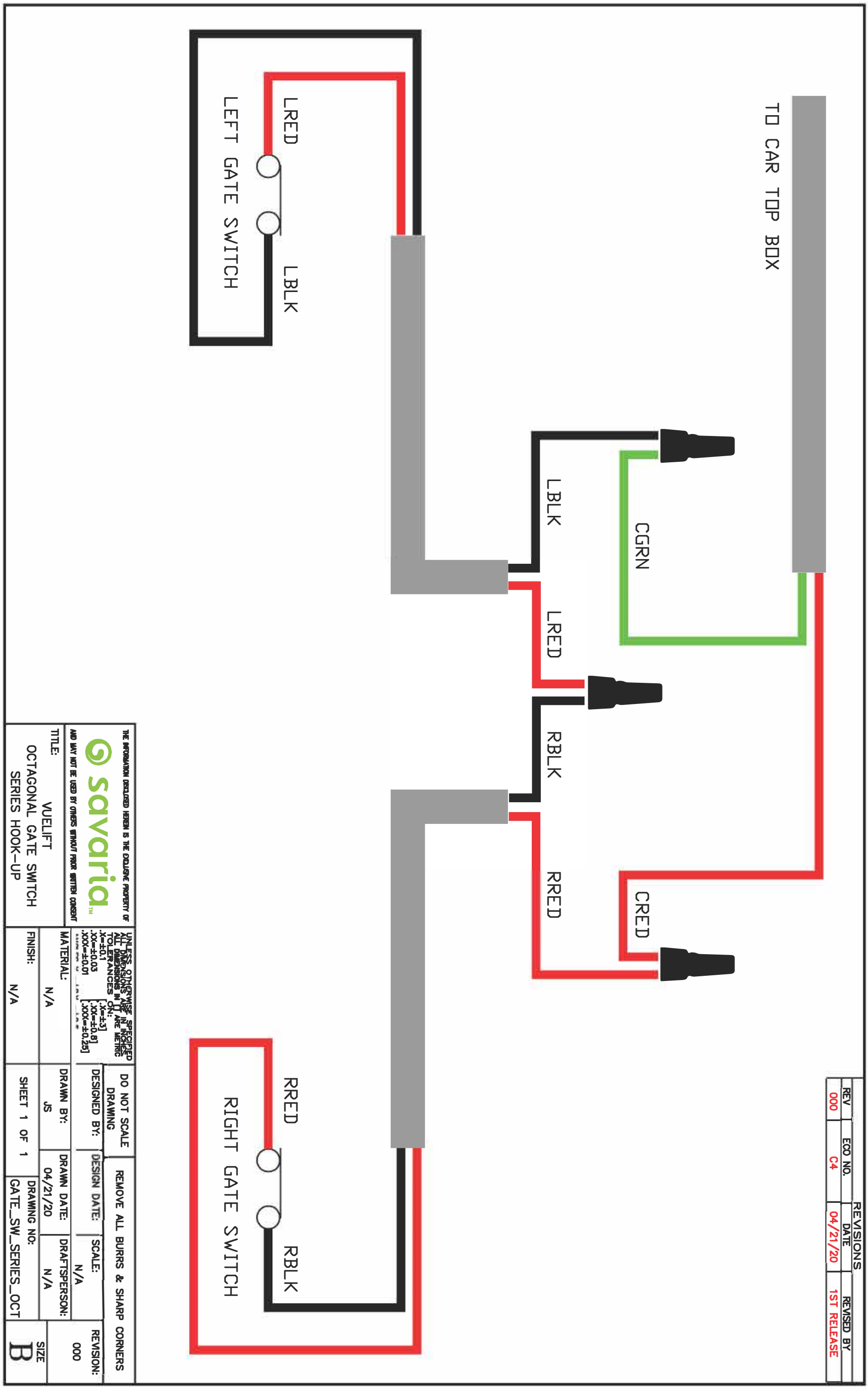
DWG. NO. EL-0218

REV 5

SIZE: A3

SHEET 1 OF 1

VUELIFT (5 HP MOTOR) SCHEMATICS



REVISIONS			
REV	ECO NO.	DATE	REVISED BY
000	C4	04/21/20	1ST RELEASE

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES [ ] ARE METRIC
TOLERANCES ON:
.X=±0.1 [.X=±3]
.XX=±0.03 [.XX=±0.8]
.XXX=±0.01 [.XXX=±0.25]

DO NOT SCALE DRAWING

REMOVE ALL BURRS & SHARP CORNERS

TITLE: VUELIFT OCTAGONAL GATE SWITCH SERIES HOOK-UP

DESIGNED BY:

DESIGN DATE:

SCALE: N/A

REVISION: 000

MATERIAL: N/A

FINISH: N/A

DRAWN BY: JS

DRAWN DATE: 04/21/20

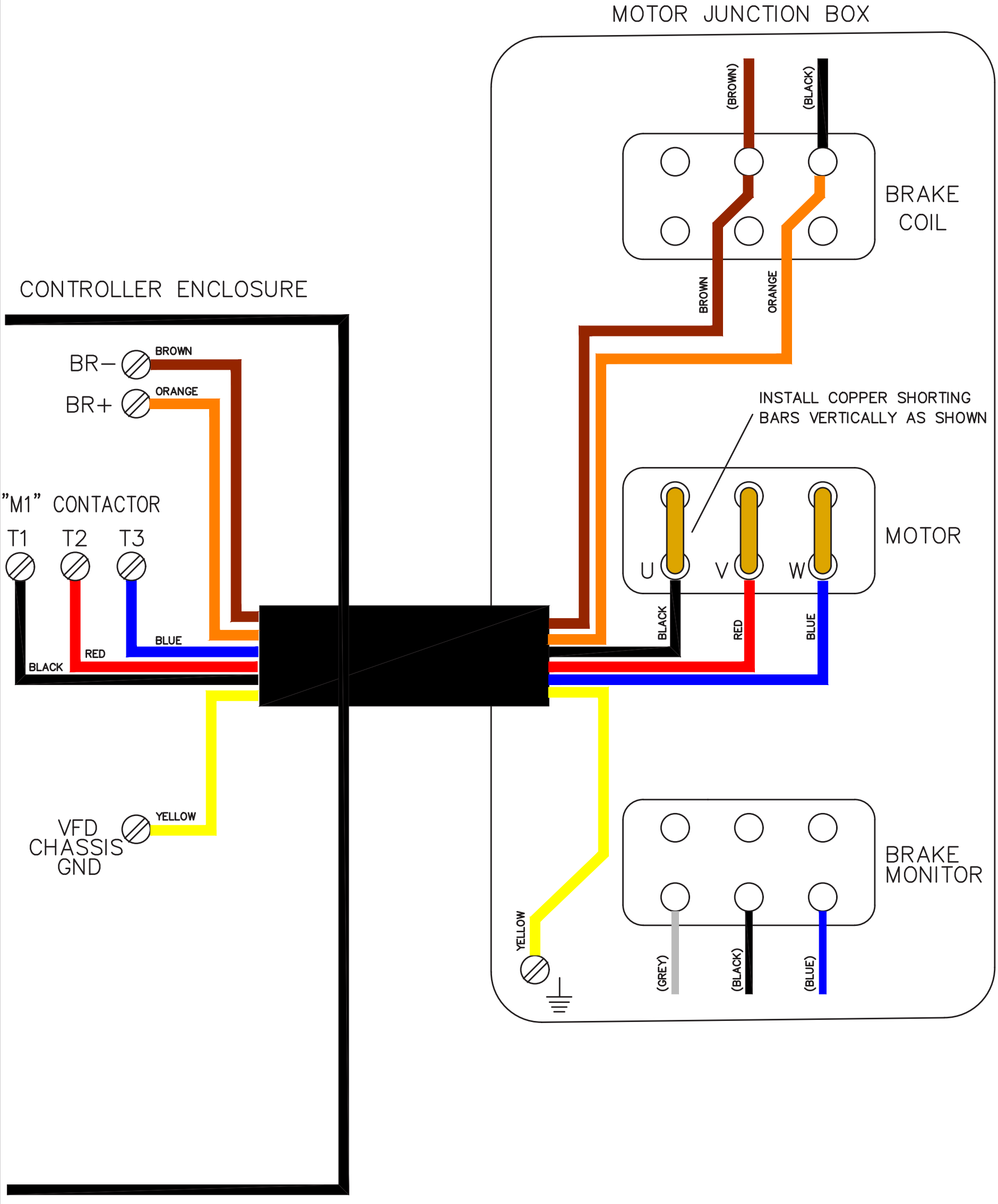
DRAFTSPERSON: N/A

SHEET 1 OF 1

DRAWING NO: GATE_SW_SERIES_OCT

SIZE B

VUELIFT MOTOR CONNECTIONS (5Hp)



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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. ALL DIMENSIONS IN [] ARE METRIC
TOLERANCES ON:
.X=±0.1 [.X=±3]
.XX=±0.03 [.XX=±0.8]
.XXX=±0.01 [.XXX=±0.25]
ANGLES X =±2 X =±0.5

DO NOT SCALE DRAWING | REMOVE ALL BURRS & SHARP CORNERS

TITLE:	DESIGNED BY:	DESIGN DATE:	SCALE:	REVISION:
VUELIFT–6 CONTROLLER MOTOR CONNECTION DIAGRAM			N/A	000
MATERIAL: N/A	DRAWN BY: C. QUIRK	DRAWN DATE: 11/24/21	DRAFTSPERSON: N/A	SIZE B
FINISH: N/A	SHEET 1 OF 1	DRAWING NO: VUE–6 MOTOR CONNECTIONS		

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