REVISION HISTORY				
REV	DESCRIPTION	BY	CHK	DATE
A	INITIAL RELEASE; REF ECO-005514	MSL	AP	13JUL21

28 VDC 2 AMP SUPPLY

MID STOP OPTION

ALT PS LOCATION

12V-8AH X2

ON

30 AMP Breaker

24VDC

Red

Black

BRAKE

POWER

30 Pin Connector

GND (Bat -) (J10)

24V (Bat +) (J9)

Motor 1 (J6)

Motor 2 (J5)

Brake 1 (J3)

Brake 2 (J4)

J12-2

J12-1

J19

1 GND
2 INPUT
3 VCC

J17

1 GND
2 INPUT
3 VCC

DIAG.

C- (J8)

C+ (J7)

"RIGHT IS UP" OR "LEFT IS UP" TO BE PROGRAMMED IN FACTORY VIA GUI PROG.

MINI DIN

SWIVEL SEAT

LED BOARD

RED/GREEN LED IN ONE PACKAGE

POWER LED

CHARGE LED

UPPER ROLLER RIGHT SW1

CARRIAGE OBSTRUCTION RIGHT SW2

UPPER ROLLER LEFT SW3

CARRIAGE OBSTRUCTION LEFT SW4

LOWER ROLLER STOP RIGHT - SW5

LOWER ROLLER STOP LEFT - SW7

INSTALLATION SWITCH

UP

DOWN

FOOTREST RIGHT - SW8

FOOTREST LEFT - SW9

ARMREST LEFT/RIGHT SWITCH

LEFT

RIGHT

RF XCVR

PIN 3

RF UP

Yellow

RED

BLACK

BLUE

PIN 4

PIN 2

PIN 1

4 PIN CONNECTOR MATING

RF DOWN

1 Red
2 Black
3 Green
4 White
5 Red
6 Black
7
8
9 Green
10 White
11 Black
12 White
13 Red
14
15 Red
16 Black
17 Green
18 White
19 White
20
21 White
22 Black
23 Red
24
25 Green
26
27 Red
28 Black
29 Black
30 White

OVERSPEED SAFETY SWITCH

EMERGENCY STOP OPTION

KEY SWITCH OPTION

NOTE:
LEFT AND RIGHT DIRECTIONS ARE WHEN SITTING IN THE CHAIR.

CONFIDENTIAL INFORMATION
NOT TO BE COPIED OR USED
WITHOUT WRITTEN CONSENT.
INTERPRET DRAWING AND TOL
PER ASME Y14.5 - 2009

UNLESS NOTED OTHERWISE
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

DECIMALS .X = ±0.1
.XX = ±0.02
.XXX = ±0.010

HOLE DIA'S = ± .005

ANGLES = ± 1°

DO NOT MEASURE FROM DRAWING

HARMAR
we lift lives

DWG NO. 640-00028- REV A

DESCRIPTION
HELIX OSG SCHEMATIC

DRAWN BY	DATE
MSL	13JUL21

SCALE NTS | SIZE: B | SHEET 1 OF 1