

INFORMATION AND SPECIFICATIONS CONTAINED HEREIN ARE CONFIDENTIAL AND PROPRIETARY. THEY ARE THE PROPERTY OF MAYFIELD ROBOTICS, AND SHALL NOT BE REPRODUCED, COPIED OR USED IN WHOLE OR IN PART FOR ANY REASON WITHOUT WRITTEN PERMISSION OF MAYFIELD ROBOTICS.

NOTES, UNLESS OTHERWISE SPECIFIED:

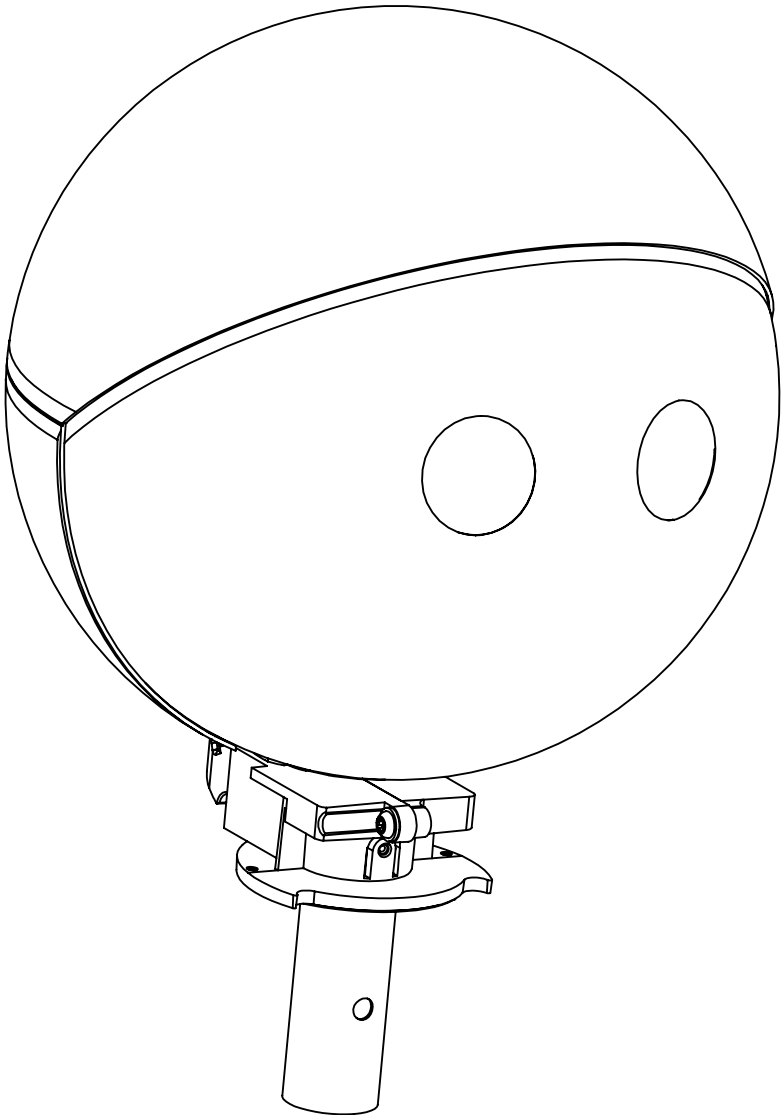
- REFER TO BOM FOR COMPLETE AND CURRENT LIST OF MATERIALS. VENDOR NAME AND VENDOR PN ARE FOR REFERENCE ONLY.
- COMPONENTS SHOWN WITHOUT ITEM NUMBERS ARE FOR REFERENCE ONLY AND REPORT TO UPPER LEVEL ASSEMBLIES.
- SOME HARDWARE NOT SHOWN FOR CLARITY.
- COMPONENTS MUST BE RoHS COMPLIANT AND TRACEABILITY OF SUCH MUST BE MADE AVAILABLE UPON REQUEST.
- FOLLOW MANUFACTURER'S ASSEMBLY INSTRUCTIONS AND ESD HANDLING PRACTICES.
- THREADED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS TORQUE SPECIFICATION UNLESS OTHERWISE SPECIFIED. INSTALLATION TORQUE TO BE:

1

10±1 N-m (89±9 lb-in).

2


5±0.5 N-m (44±4 lb-in).
- REFER TO MAYFIELD ROBOTICS QA-00025 FOR GENERAL INSPECTION REQUIREMENTS AND SPECIFIC REQUIREMENTS FOR DIMENSIONS INCLUDING "CC-", AN OVAL, AND/OR OTHER MODIFIERS.
- FINAL ASSEMBLY METHOD TO BE REVIEWED AND APPROVED IN WRITING BY MAYFIELD ROBOTICS.
- WIRE ASSEMBLIES NOT SHOWN. REFER TO MANUFACTURING INSTRUCTIONS FOR PROPER ASSEMBLY.



REVISION TABLE			
REVISION	DESCRIPTION	DATE	APPROVED
B	RELEASE TO PRODUCTION	04AUG17	J UMHOEFER
B01	ADD PL-00027, OM-00118	10OCT17	J UMHOEFER
B02	REPLACED OM-00067 WITH OM-00019	23OCT17	J UMHOEFER
B03	REPLACED CM-00234 WITH CM-00380, CM-0188 WITH CM-00382	12MAR18	J UMHOEFER
B04	MOVED MOTORS INTO SUBASSEMBLIES	28MAR18	J UMHOEFER
B05	ADDED CM-00385 AND CN-00022	07JUN18	J UMHOEFER

B05

38	1	CN-00022	GREASE, WHITE LITHIUM
37	1	CM-00385	ALIGNMENT, SHUTTER, HEAD
36	1	SA-00077	SUBASSEMBLY, MOTOR, TILT
35	1	SA-00076	SUBASSEMBLY, MOTOR, EYE
34	1	WH-00109	CABLE, WEBCAM
33	1	WH-00083	CABLE, HEAD POWER AND COMMS
32	10	OM-00073	SCREW,K40X10,PT WASHER HEAD
31	1	OM-00091	CIRCLIP,4MM
30	6	OM-00092	E-CLIP,5MM
29	1	PL-00026	LABEL,BARCODE,HEAD
28	1	CM-00192	SKIN,BACK,HEAD
27	1	CM-00297	ADHESIVE TAPE,INSERT,EYES,HEAD
26	1	CM-00191	INSERT,EYES,HEAD
25	1	CM-00190	SKIN,FACE,HEAD
24	1	CE-00031	SENSOR,CAPACITIVE TOUCH
23	1	CM-00189	SKIN,HAIR,HEAD
22	1	CM-00216	SKIN,TAIL,HEAD
21	1	OM-00090	PIN,4MM,CLEVIS
20	1	CM-00195	LINK,EYELID,HEAD
19	2	OM-00066	PIN,CAPTIVE
18	1	CM-00194	LINK,TILT,HEAD
17	3	CM-00239	SHAFT,HEAD
16	1	CM-00380	FILM,EYELID,SHUTTER
15	1	CM-00182	SHUTTER,EYELID,HEAD
14	1	CM-00262	SHROUD,CAMERA
13	1	CE-00025	PCBA,CAMERA
12	1	CM-00261	MOUNT,CAMERA
11	1	CE-00024	PCBA,HEAD
10	4	OM-00093	BUSHING,5MM x 5MM
9	1	CM-00187	HALO,HEAD
8	33	OM-00052	SCREW,K30X10,PT WASHER HEAD
7	3	OM-00102	CABLE TIE,MINI,3MM SCREW MOUNT
6	1	CM-00382	FLAG,TILT,HEAD
5	1	CM-00184	BRACKET,TILT,HEAD
4	1	CM-00193	NECK,RIGHT,HEAD
3	1	CM-00181	NECK,LEFT,HEAD
2	1	CM-00183	COLLAR,NECK,HEAD
1	1	CM-00180	ESOPHAGUS,HEAD
ITEM NO	QTY	PART NUMBER	DESCRIPTION

 **MAYFIELD**
ROBOTICS

400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN
MILLIMETERS
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M TRAILING ZEROS DENOTE TOLERANCE

TOLERANCES
X = ± 0.5
X.X = ± 0.25
X.XX = ± 0.13
ANGLES = ± 1°
UNLESS OTHERWISE SPECIFIED

APPROVED

DATE


DO NOT SCALE DRAWING


THIRD ANGLE PROJECTION

DRAWN BY
B RULIFSON

ENGINEERING APPROVAL

07APR17





DWG NUMBER

PR-00026

REV

B05

SIZE

B

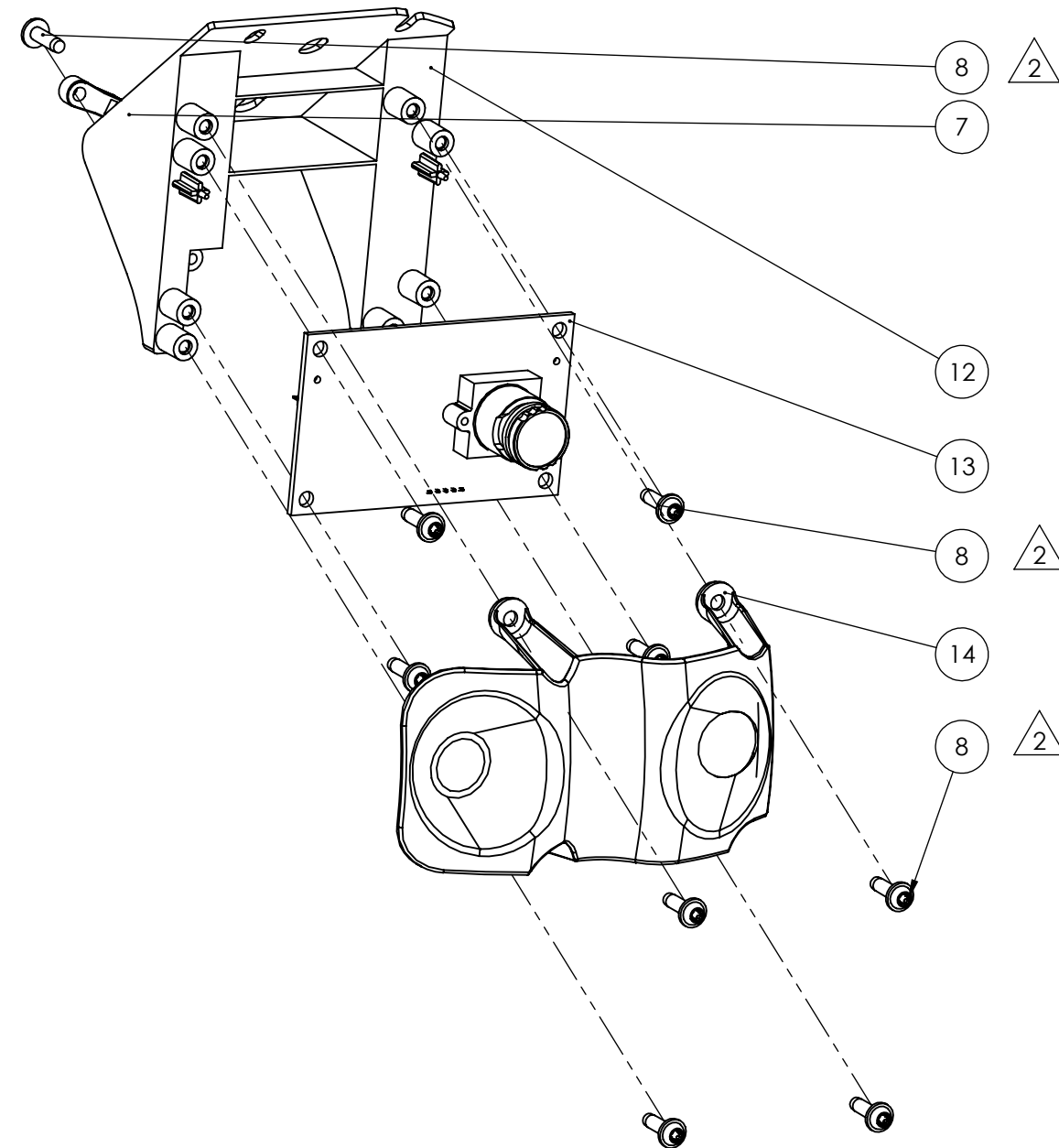
SCALE

1:2

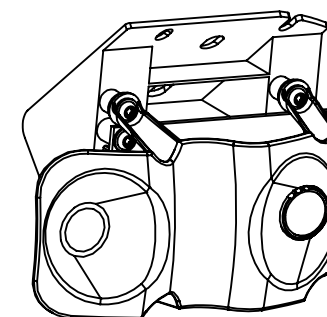
SHEET

1 of 8

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CAMERA MOUNT (EXPLODED)



38	1	CN-00022
37	1	CM-00385
36	1	SA-00077
35	1	SA-00076
34	1	WH-00109
33	1	WH-00083
32	10	OM-00073
31	1	OM-00091
30	6	OM-00092
29	1	PL-00026
28	1	CM-00192
27	1	CM-00297
26	1	CM-00191
25	1	CM-00190
24	1	CE-00031
23	1	CM-00189
22	1	CM-00216
21	1	OM-00090
20	1	CM-00195
19	2	OM-00066
18	1	CM-00194
17	3	CM-00239
16	1	CM-00380
15	1	CM-00182
14	1	CM-00262
13	1	CE-00025
12	1	CM-00261
11	1	CE-00024
10	4	OM-00093
9	1	CM-00187
8	33	OM-00052
7	3	OM-00102
6	1	CM-00382
5	1	CM-00184
4	1	CM-00193
3	1	CM-00181
2	1	CM-00183
1	1	CM-00180
ITEM NO	QTY	PART NUMBER
BILL OF MATERIALS		



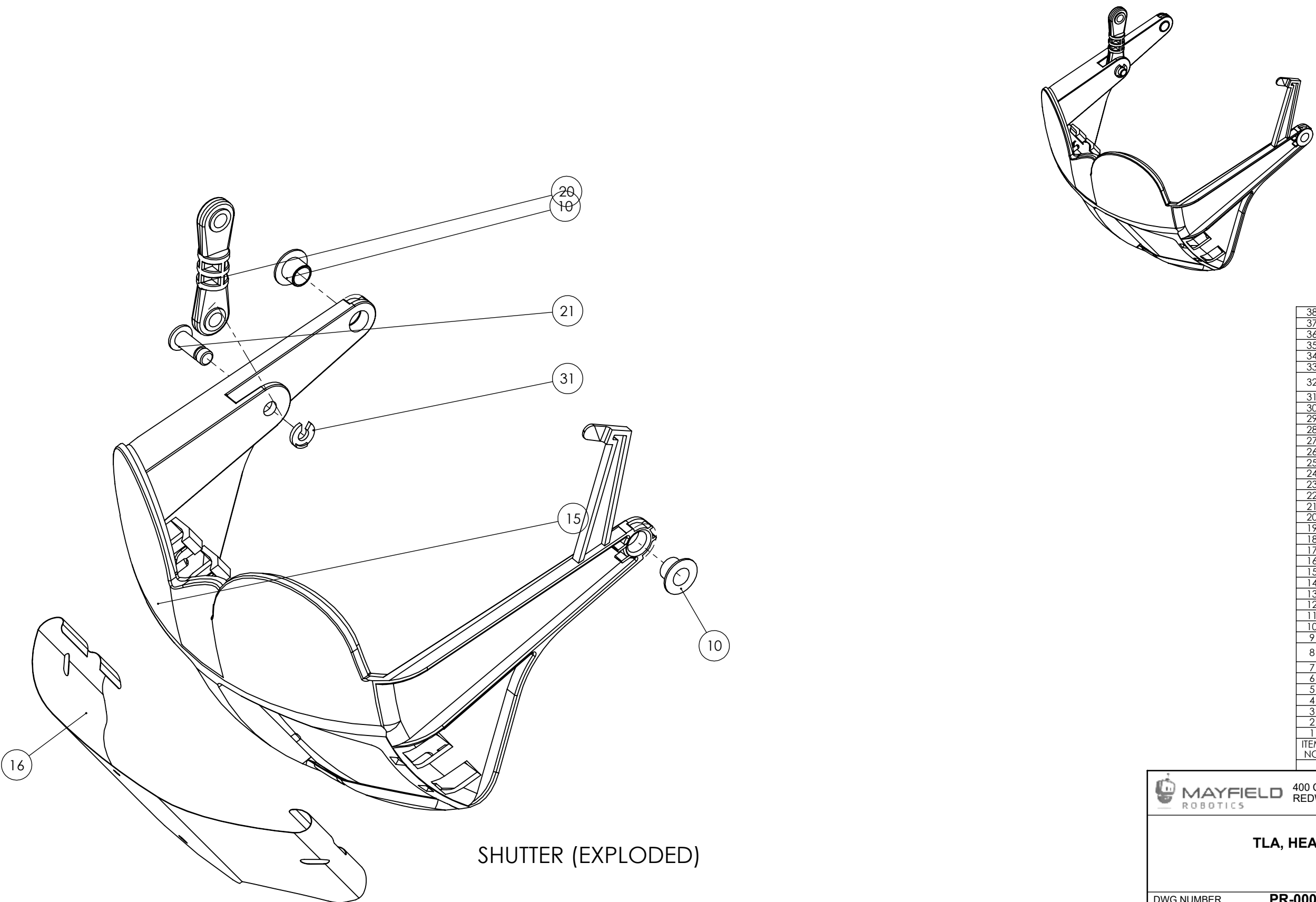
400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER		PR-00026		REV	B01
SIZE	B	SCALE	2:3	SHEET	2 of 8



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38	1	CN-00022
37	1	CM-00385
36	1	SA-00077
35	1	SA-00076
34	1	WH-00109
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ITEM NO	QTY	PART NUMBER

BILL OF MATERIALS

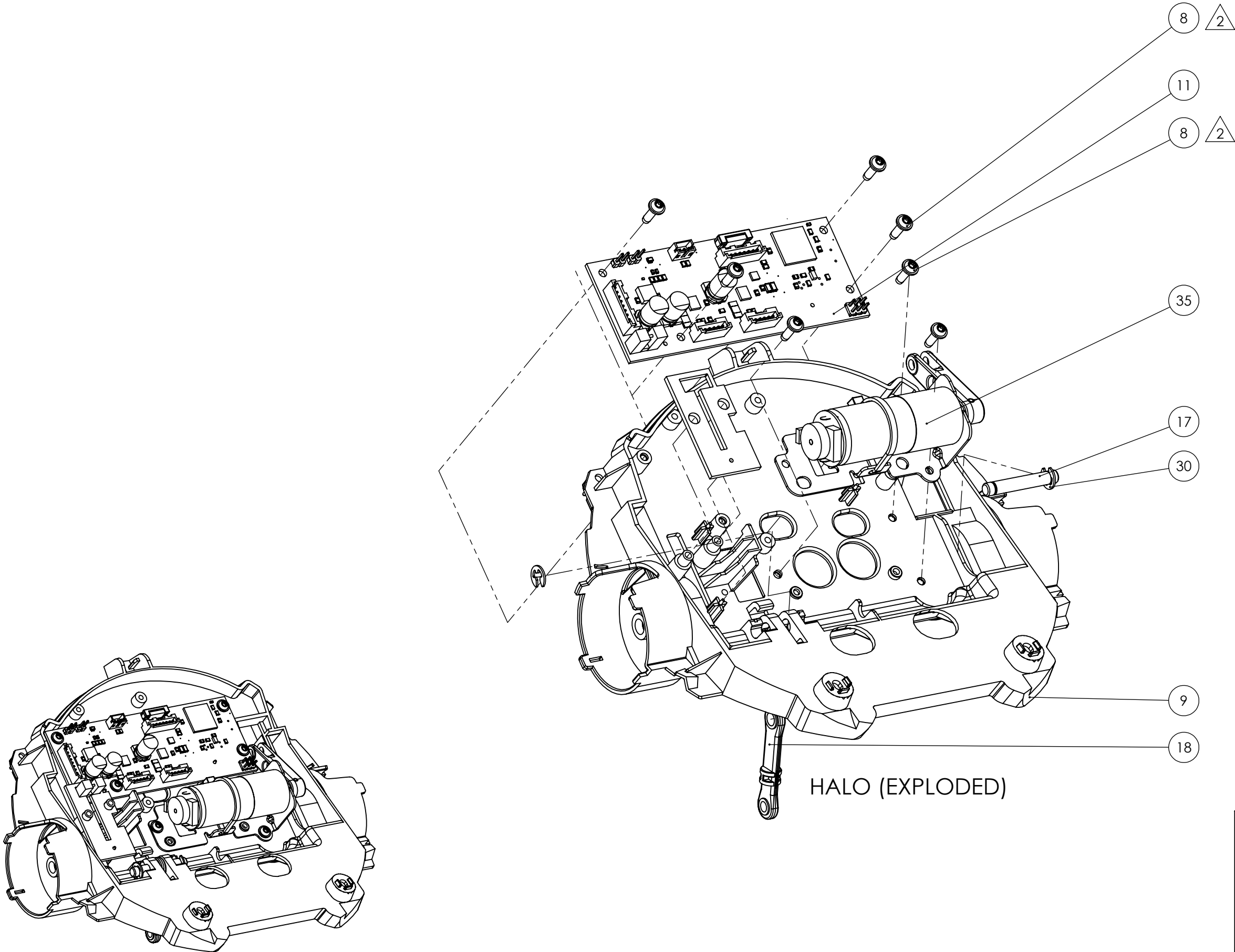
 **MAYFIELD**
ROBOTICS

400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER	PR-00026	REV	B05
SIZE	B	SCALE	1:1
SHEET	3 of 8		

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38	1	CN-00022
37	1	CM-00385
36	1	SA-00077
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ITEM NO	QTY	PART NUMBER

BILL OF MATERIALS

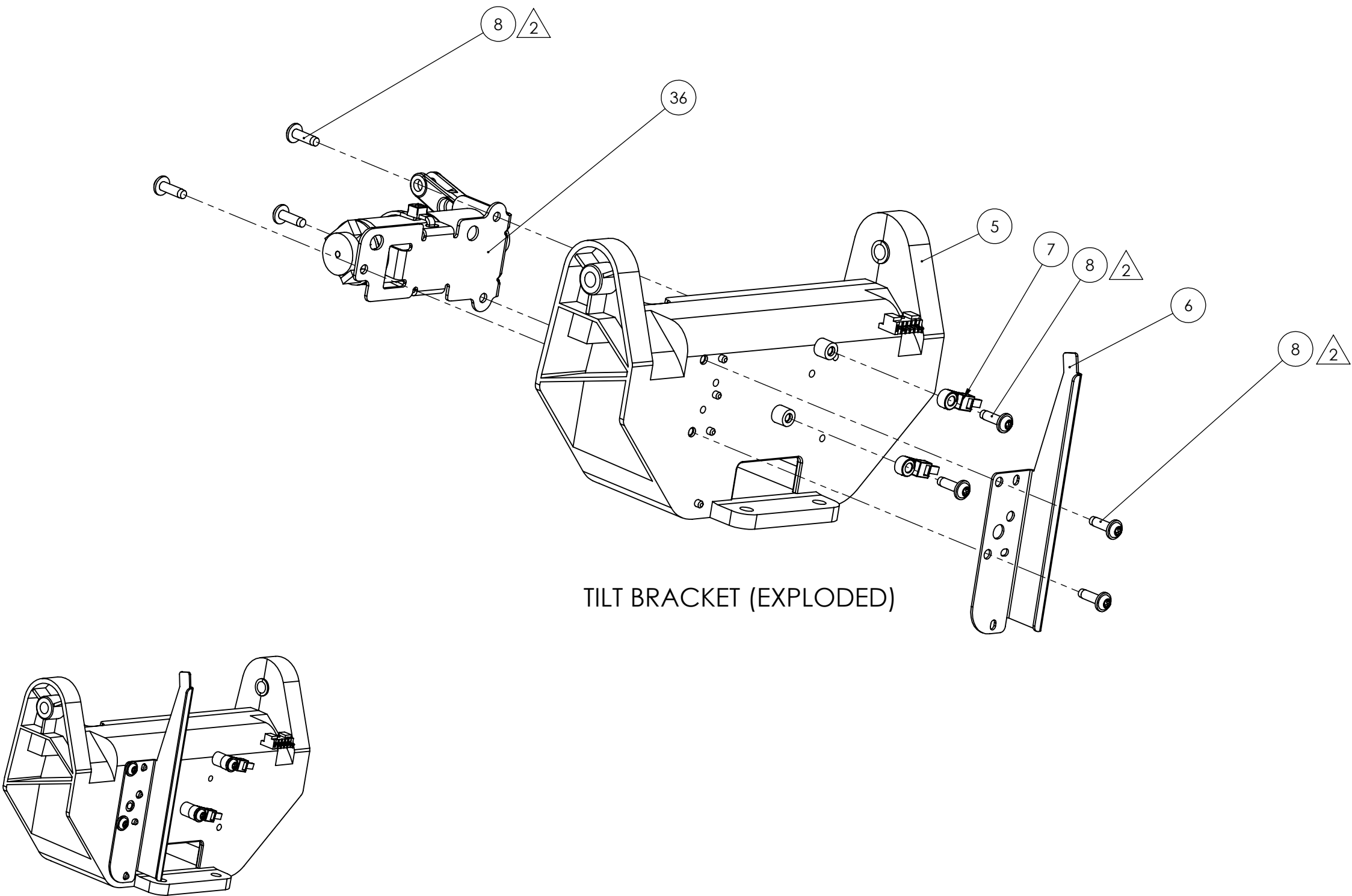
 **MAYFIELD**
ROBOTICS

400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER	PR-00026	REV	B05
SIZE	B	SCALE	2:3
SHEET	4 of 8		

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3	1	CM-00181
2	1	CM-00183
1	1	CM-00180
ITEM NO	QTY	PART NUMBER

BILL OF MATERIALS

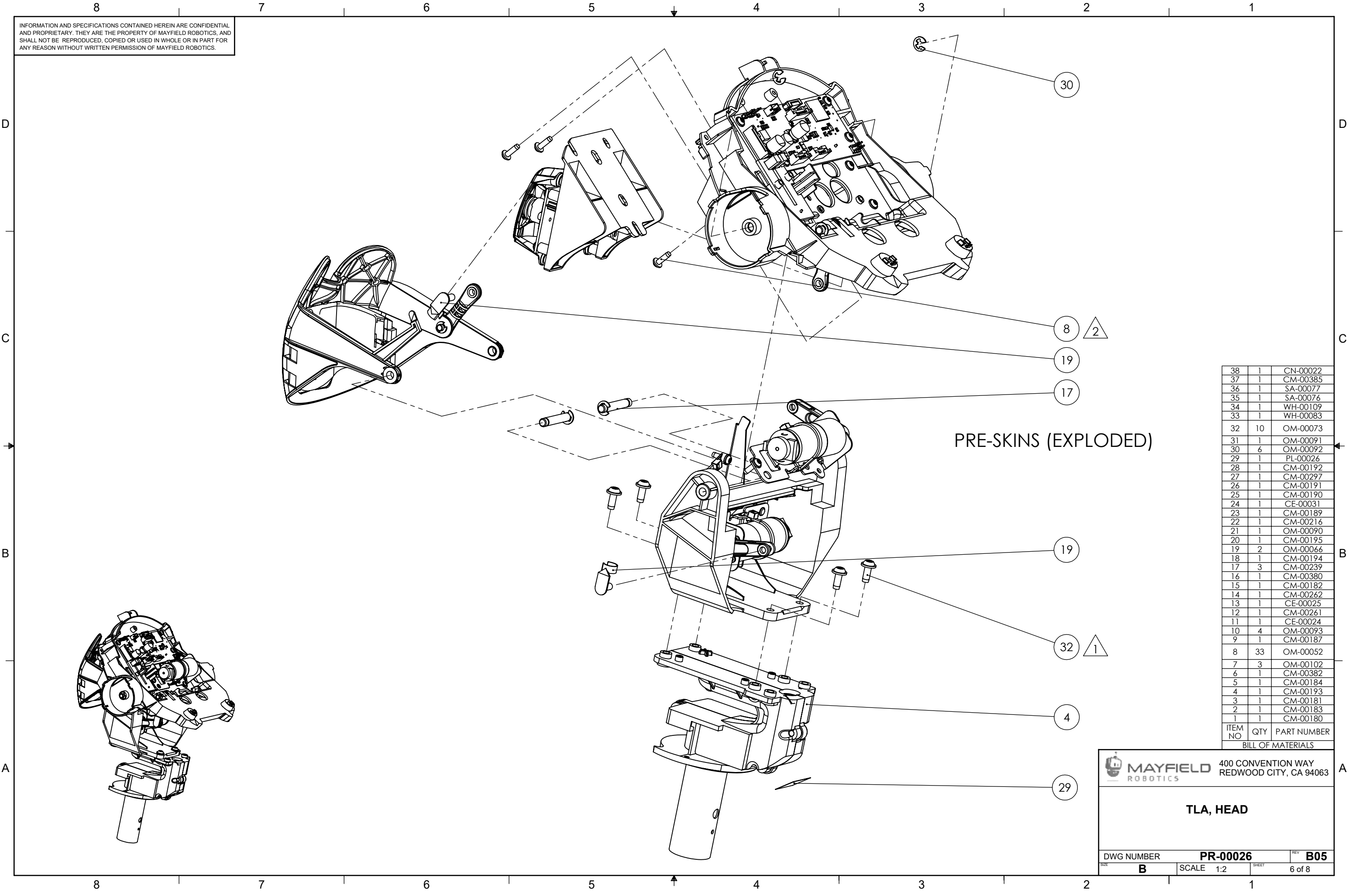
MAYFIELD
ROBOTICS

400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER		PR-00026	REV	B05
SIZE	B	SCALE	2:3	SHEET
				5 of 8

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ITEM NO	QTY	PART NUMBER

BILL OF MATERIALS

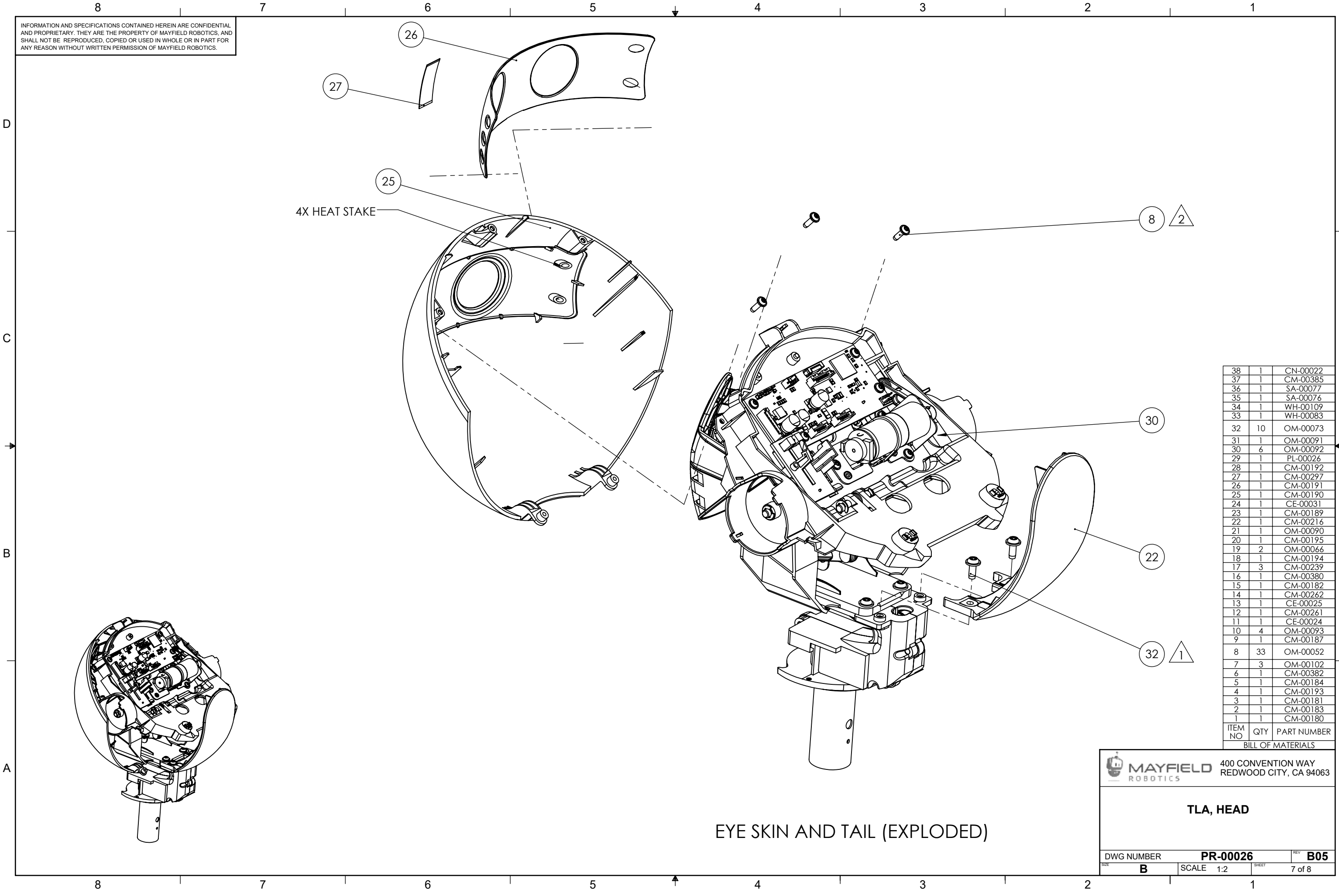
 **MAYFIELD**
ROBOTICS

400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER	PR-00026	REV	B05
SIZE	B	SCALE	1:2
SHEET	6 of 8		

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2	1	CM-00183
1	1	CM-00180
ITEM NO	QTY	PART NUMBER

BILL OF MATERIALS

MAYFIELD
ROBOTICS

400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER		PR-00026	REV	B05
SIZE	B	SCALE	1:2	SHEET
				7 of 8

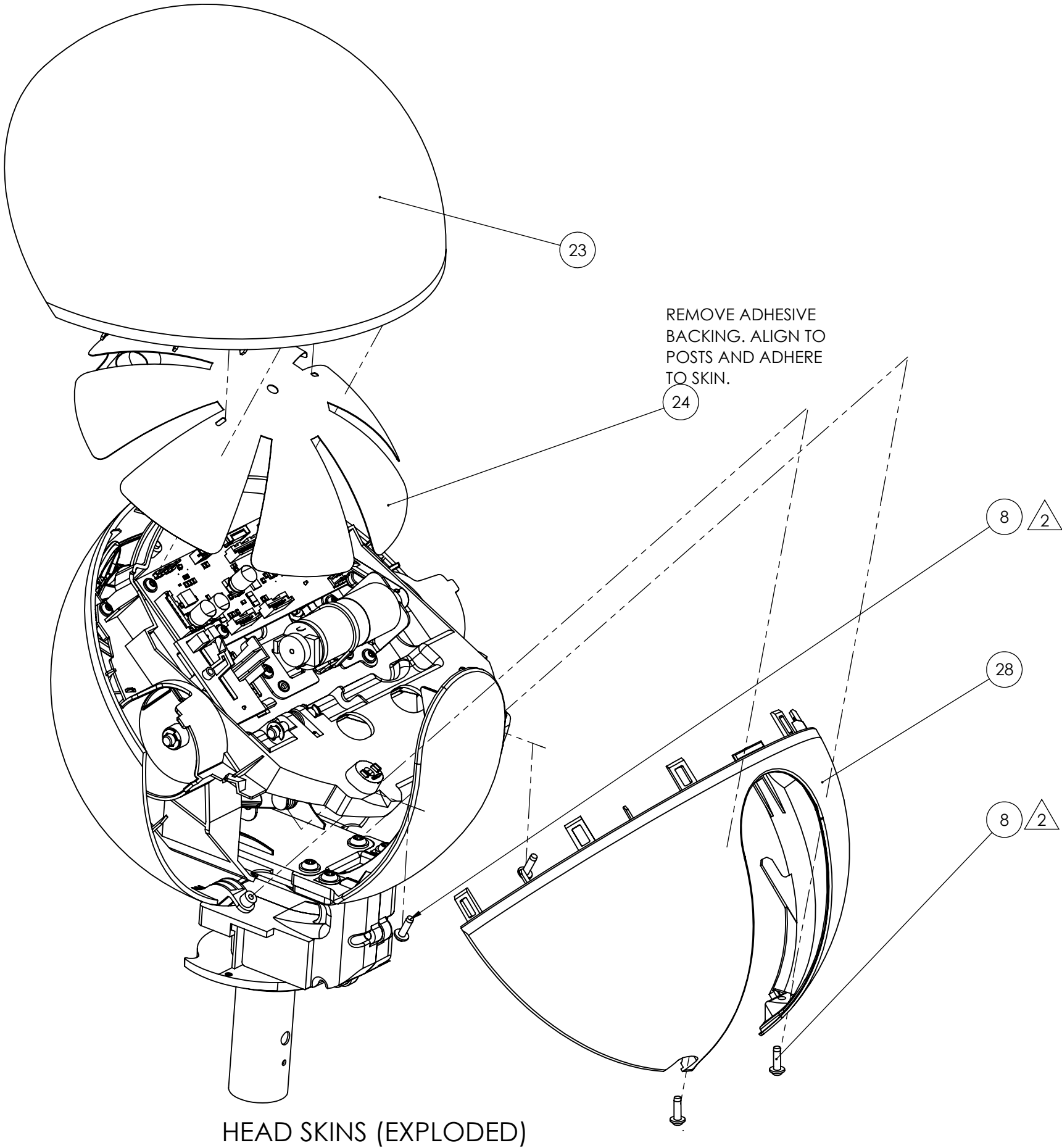
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D

C

B

A



HEAD SKINS (EXPLODED)

38	1	CN-00022
37	1	CM-00385
36	1	SA-00077
35	1	SA-00076
34	1	WH-00109
33	1	WH-00083
32	10	OM-00073
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400 CONVENTION WAY
REDWOOD CITY, CA 94063

TLA, HEAD

DWG NUMBER	PR-00026	REV	B05
SIZE	B	SCALE	1:2
SHEET	8 of 8		