



NOTES, UNLESS OTHERWISE SPECIFIED:


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




1 14.5 ± 1 kgf-cm.




2 9.0 ± 0.5 kgf-cm.



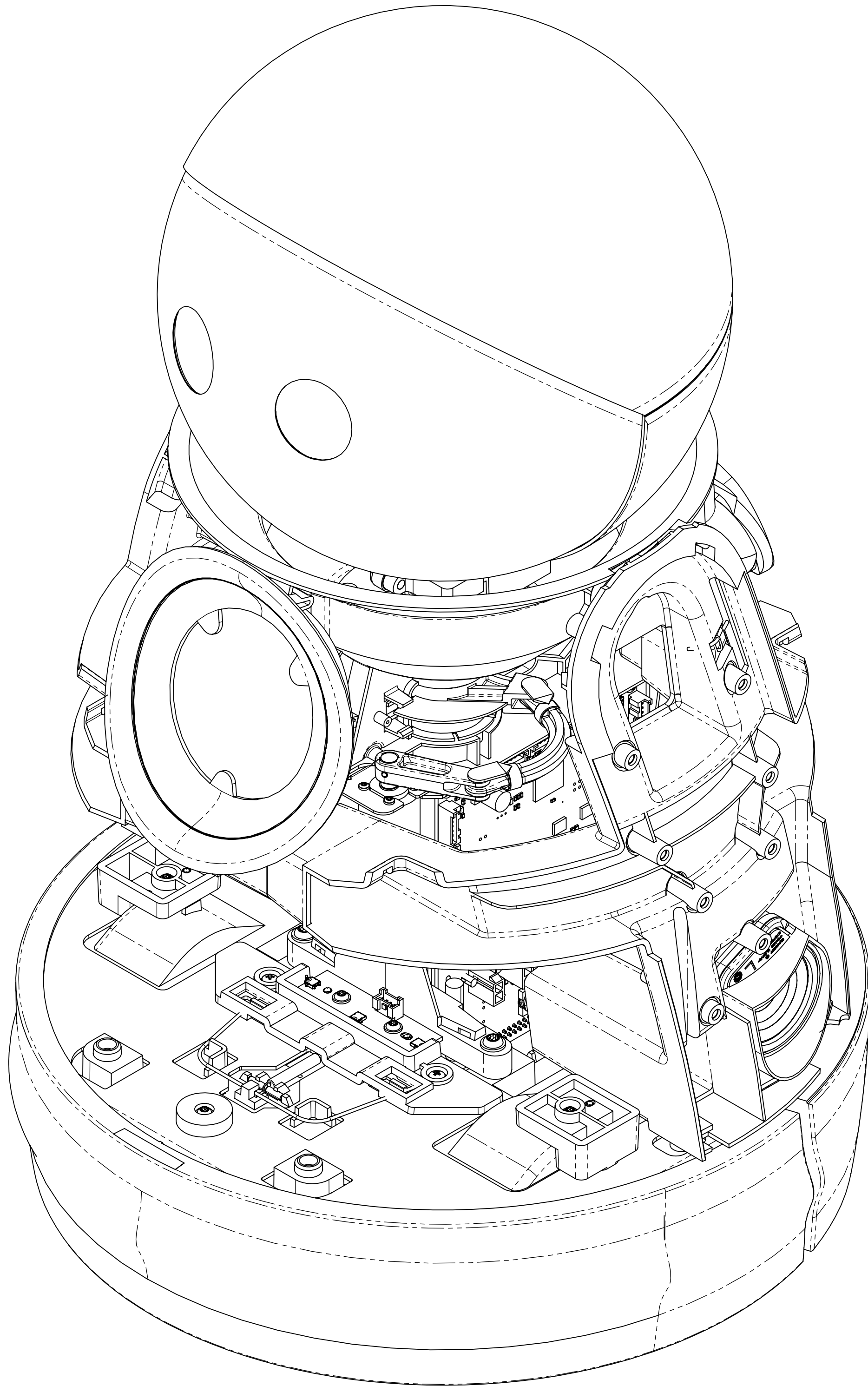
3 4.2 ± 0.5 kgf-cm.



4 10.2 ± 0.5 kgf-cm.



B03
7. REFER TO MAYFIELD ROBOTICS QA-00025 FOR GENERAL INSPECTION REQUIREMENTS AND SPECIFIC REQUIREMENTS FOR DIMENSIONS INCLUDING "CC-", AN OVAL, AND/OR OTHER MODIFIERS.
8. FINAL ASSEMBLY METHOD TO BE REVIEWED AND APPROVED IN WRITING BY MAYFIELD ROBOTICS.
9. WIRE ASSEMBLIES NOT SHOWN. REFER TO MANUFACTURING INSTRUCTIONS FOR PROPER ASSEMBLY.



REVISION TABLE				
ECO	REVISION	DESCRIPTION	DATE	APPROVED
	B	RELEASE TO PRODUCTION	04AUG17	J UMHOEFER
	B01	UPDATE TO CM-00302, ADDED ANOTHER SCREW FOR HIGH SPEED PCBA, PL-00027, REMOVED ADHESIVE FOR CRANK AND ADDED CM-00204	09OCT17	J UMHOEFER
	B02	ADDED SCREW TO TOP REAR OF HANDLE ASSEMBLY. ADDED CM-00378. UPDATED EXPLODED VIEWS. REPLACED CE-00037 & CE-00038 WITH OE-00241	03APR17	J UMHOEFER
ECO-000082	B03	ADDED PR-00028, WH-00094, & CN-00040. UPDATED SCREW INSTALLATION TORQUES.	28JUN18	J UMHOEFER

31	1	WH-00094	CABLE,IR RECEIVER,REAR
30	1	WH-00122	CABLE, PAN HOMING SENSOR
29	1	WH-00121	CABLE, TEMP SENSOR
28	1	WH-00086	CABLE, CHEST, UART
27	1	WH-00082	CABLE, MOTOR, PAN
26	1	CN-00040	TAPE, NOISE DAMPENING
25	1	PL-00027	LABEL,BARCODE,SPINE
24	2	OM-00095	BUSHING,IGUS,MYI-16-10K
23	27	OM-00073	SCREW,K40X10,PT WASHER HEAD
22	1	OM-00072	WASHER,THRUST,IGUS
21	9	OM-00070	SCREW,K30X6,PT PAN HEAD
20	2	OM-00066	PIN,CAPTIVE
19	2	OM-00052	SCREW,K30X10,PT WASHER HEAD
18	3	OE-00241	PCBA, ANTENNA, WIFI
17	1	CE-00023	PCBA,HIGH-SPEED
16	1	CE-00017	PCBA, LOW SPEED
15	1	CM-00378	FOAM, SD CARD RECEPTACLE
14	1	CM-00302	SPINE
13	1	CM-00263	LINK,PAN
12	1	CM-00230	TUBE, DRAINAGE
11	1	CM-00228	CRANK,HEAD PAN
10	1	CM-00206	HANDLE,LEFT
9	1	CM-00205	RIBCAGE,RIGHT
8	1	CM-00204	RIBCAGE,LEFT
7	1	CM-00202	HANDLE,RIGHT
6	1	SA-00067	SUBASSEMBLY,SPEAKER,RIGHT
5	1	SA-00061	SUBASSEMBLY,SPEAKER,LEFT
4	1	SA-00053	CHESTLIGHT, TLA
3	1	SA-00078	MOTOR SUBASSY,PAN
2	1	PR-00028	KURI BASE TLA
1	1	PR-00026	TLA, HEAD
ITEM NO	QTY	PART NUMBER	DESCRIPTION

## BILL OF MATERIALS

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

## TOLERANCES

X =  $\pm 0.5$   
X.X =  $\pm 0.25$   
X.XX =  $\pm 0.13$   
GLES =  $\pm 1^\circ$

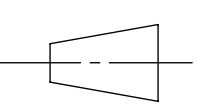
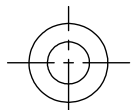
UNLESS OTHERWISE SPECIFIED

APPROVE

DATE \_\_\_\_\_

DO NOT SCALE DRAWING

LWEINTRAUB



**MAYFIELD**  
ROBOTICS

400 CONVENTION WAY  
REDWOOD CITY, CA 94063

## TLA, KURI TORSO

THIRD ANGLE PROJECTION

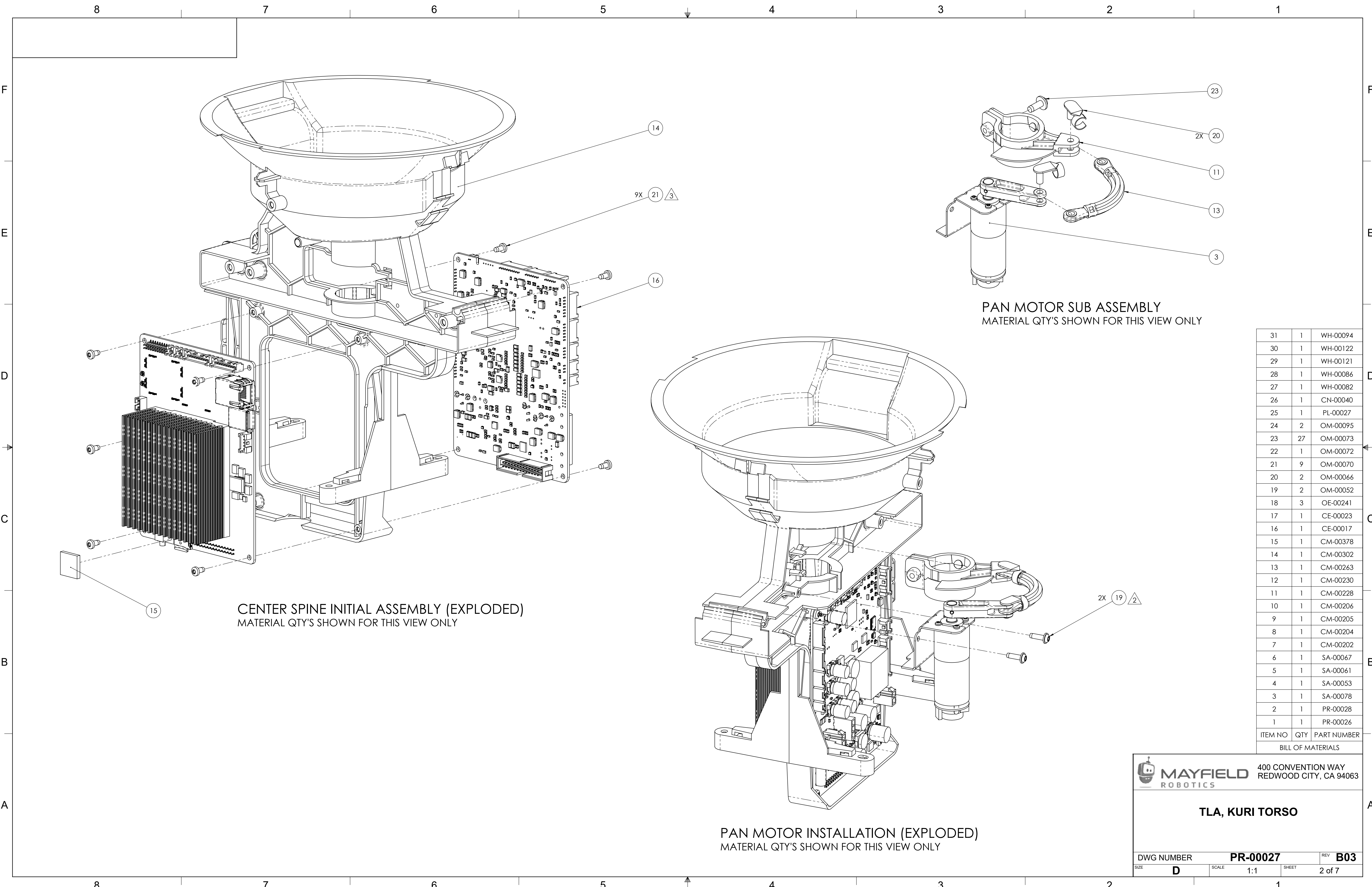
DESIGNED BY	J WEINTRAUB
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DWG NUMBER **PR-00027**

REV **B03**

SIZE	D	SCALE	4:5	SHEET	1 of 7
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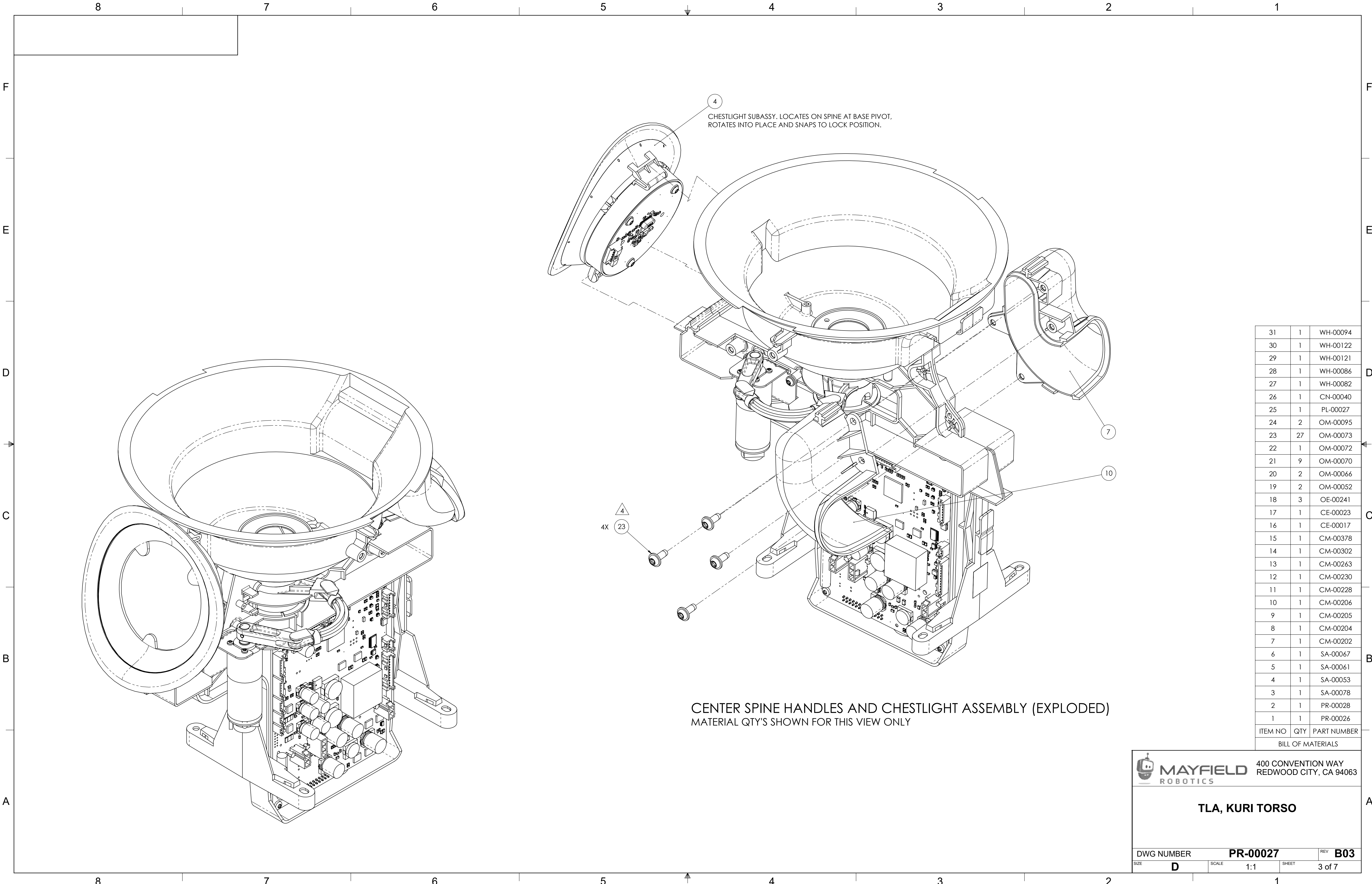


CENTER SPINE INITIAL ASSEMBLY (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY

PAN MOTOR SUB ASSEMBLY  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY

PAN MOTOR INSTALLATION (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY


31	1	WH-00094
30	1	WH-00122
29	1	WH-00121
28	1	WH-00086
27	1	WH-00082
26	1	CN-00040
25	1	PL-00027
24	2	OM-00095
23	27	OM-00073
22	1	OM-00072
21	9	OM-00070
20	2	OM-00066
19	2	OM-00052
18	3	OE-00241
17	1	CE-00023
16	1	CE-00017
15	1	CM-00378
14	1	CM-00302
13	1	CM-00263
12	1	CM-00230
11	1	CM-00228
10	1	CM-00206
9	1	CM-00205
8	1	CM-00204
7	1	CM-00202
6	1	SA-00067
5	1	SA-00061
4	1	SA-00053
3	1	SA-00078
2	1	PR-00028
1	1	PR-00026
ITEM NO	QTY	PART NUMBER
BILL OF MATERIALS		



CHESTLIGHT SUBASSY. LOCATES ON SPINE AT BASE PIVOT.  
ROTATES INTO PLACE AND SNAPS TO LOCK POSITION.

CENTER SPINE HANDLES AND CHESTLIGHT ASSEMBLY (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY

31	1	WH-00094
30	1	WH-00122
29	1	WH-00121
28	1	WH-00086
27	1	WH-00082
26	1	CN-00040
25	1	PL-00027
24	2	OM-00095
23	27	OM-00073
22	1	OM-00072
21	9	OM-00070
20	2	OM-00066
19	2	OM-00052
18	3	OE-00241
17	1	CE-00023
16	1	CE-00017
15	1	CM-00378
14	1	CM-00302
13	1	CM-00263
12	1	CM-00230
11	1	CM-00228
10	1	CM-00206
9	1	CM-00205
8	1	CM-00204
7	1	CM-00202
6	1	SA-00067
5	1	SA-00061
4	1	SA-00053
3	1	SA-00078
2	1	PR-00028
1	1	PR-00026
ITEM NO	QTY	PART NUMBER
BILL OF MATERIALS		

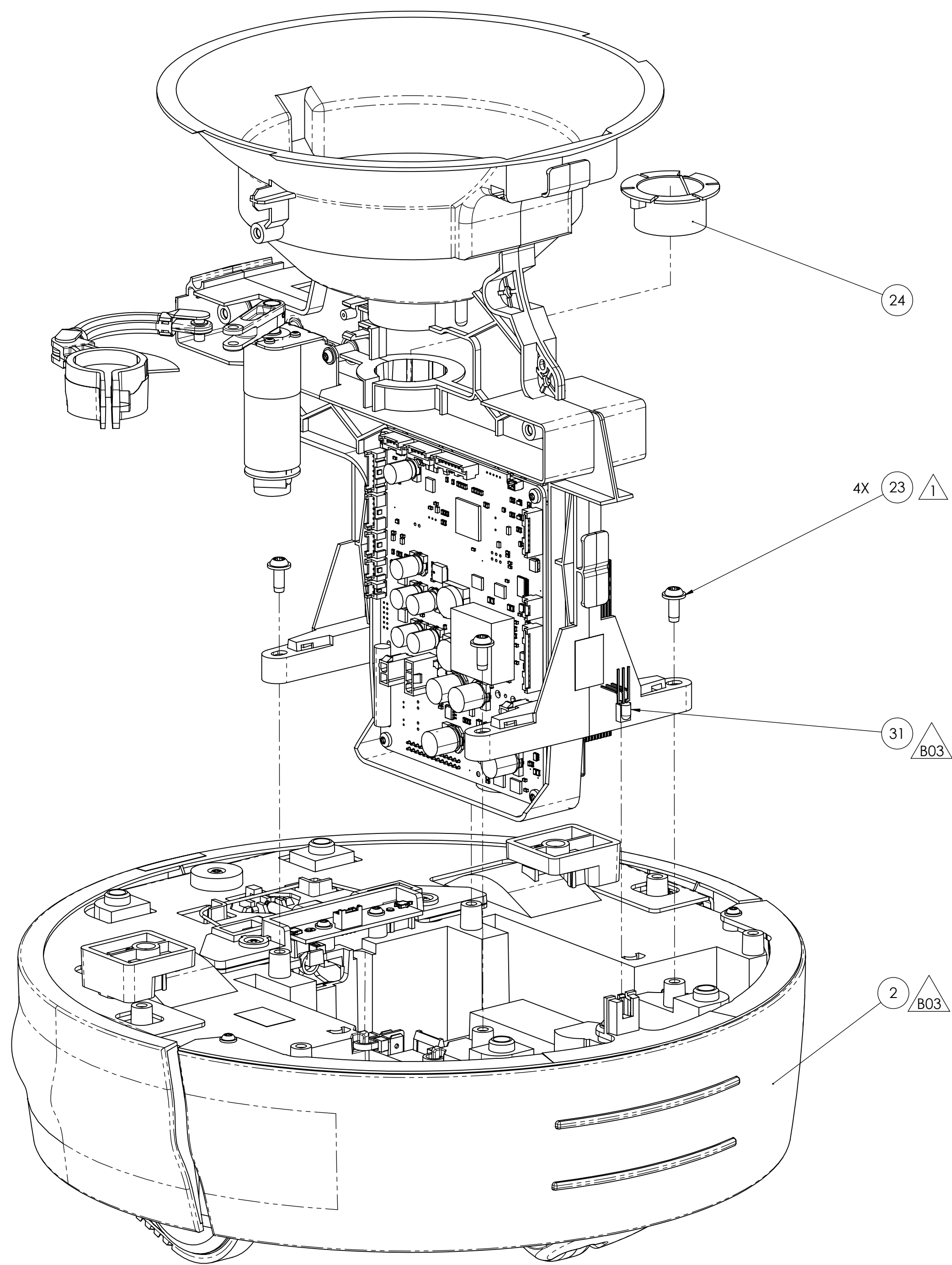


400 CONVENTION WAY  
REDWOOD CITY, CA 94063

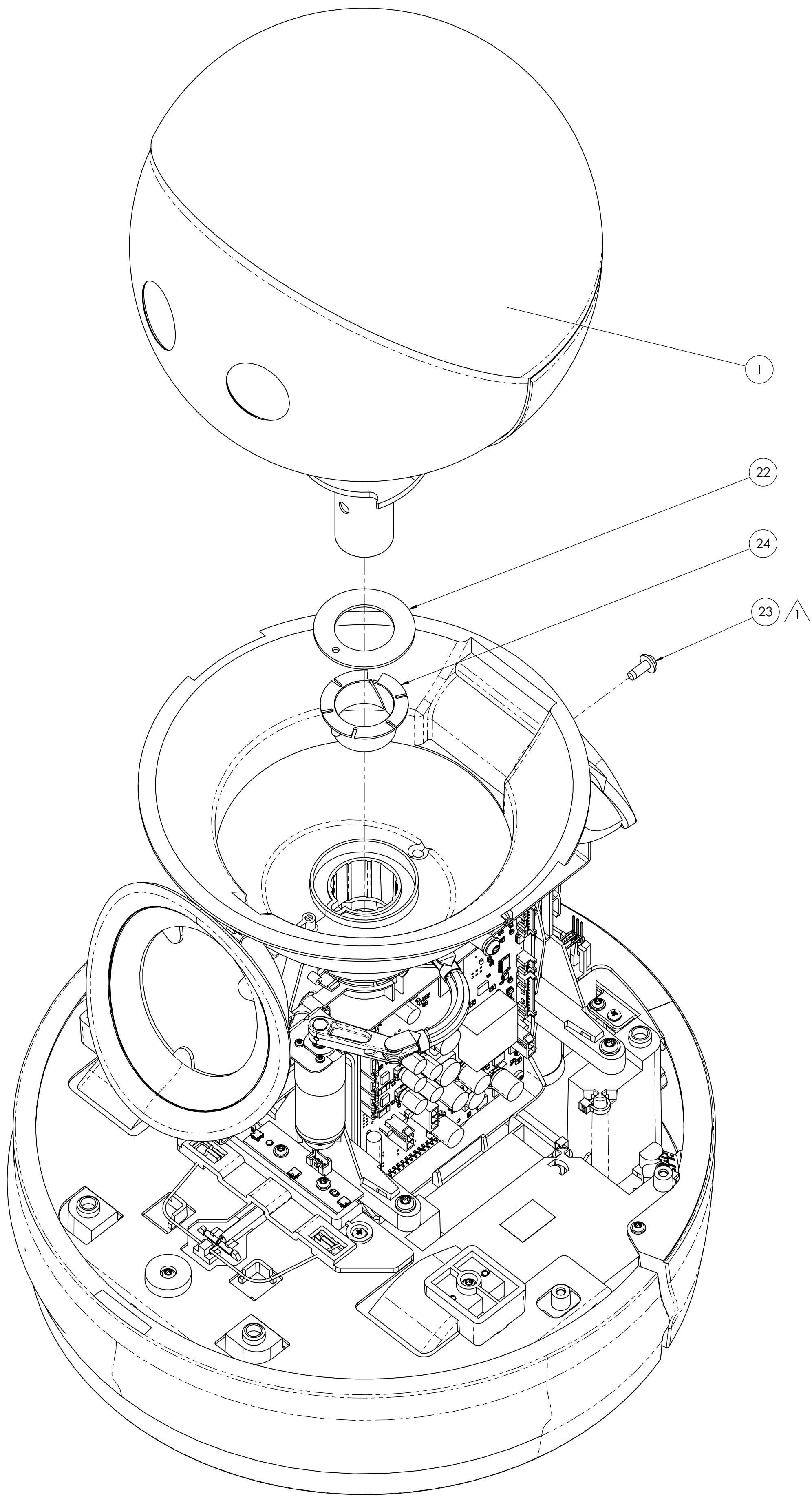
TLA, KURI TORSO

DWG NUMBER	PR-00027	REV	B03
SIZE	D	SCALE	1:1
		SHEET	3 of 7






SPRINE TO BASE INSTALLATION (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY



HEAD INSTALLATION (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY

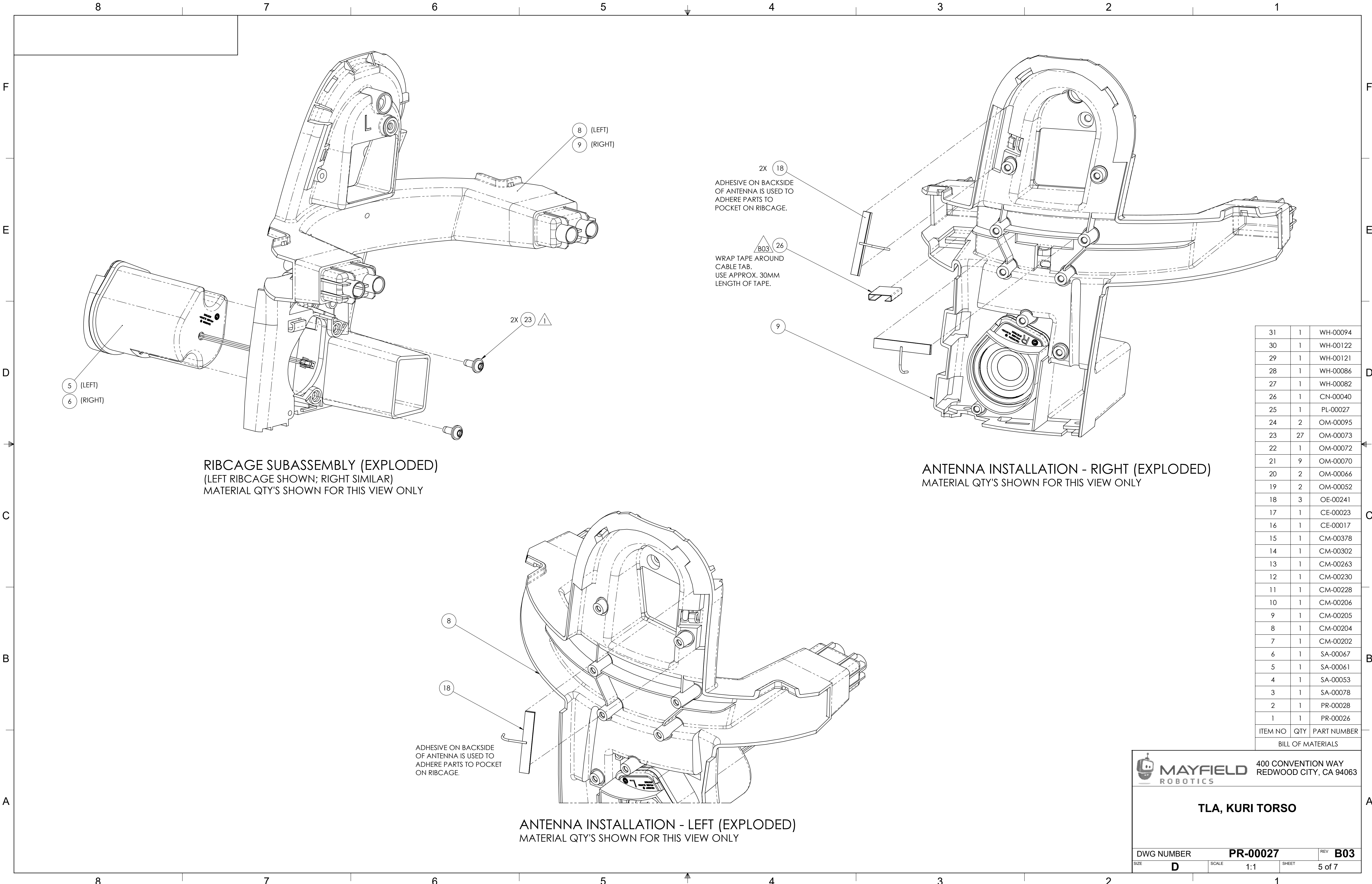
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30	1	WH-00122
29	1	WH-00121
28	1	WH-00086
27	1	WH-00082
26	1	CN-00040
25	1	PL-00027
24	2	OM-00095
23	27	OM-00073
22	1	OM-00072
21	9	OM-00070
20	2	OM-00066
19	2	OM-00052
18	3	OE-00241
17	1	CE-00023
16	1	CE-00017
15	1	CM-00378
14	1	CM-00302
13	1	CM-00263
12	1	CM-00230
11	1	CM-00228
10	1	CM-00206
9	1	CM-00205
8	1	CM-00204
7	1	CM-00202
6	1	SA-00067
5	1	SA-00061
4	1	SA-00053
3	1	SA-00078
2	1	PR-00028
1	1	PR-00026
ITEM NO	QTY	PART NUMBER
BILL OF MATERIALS		



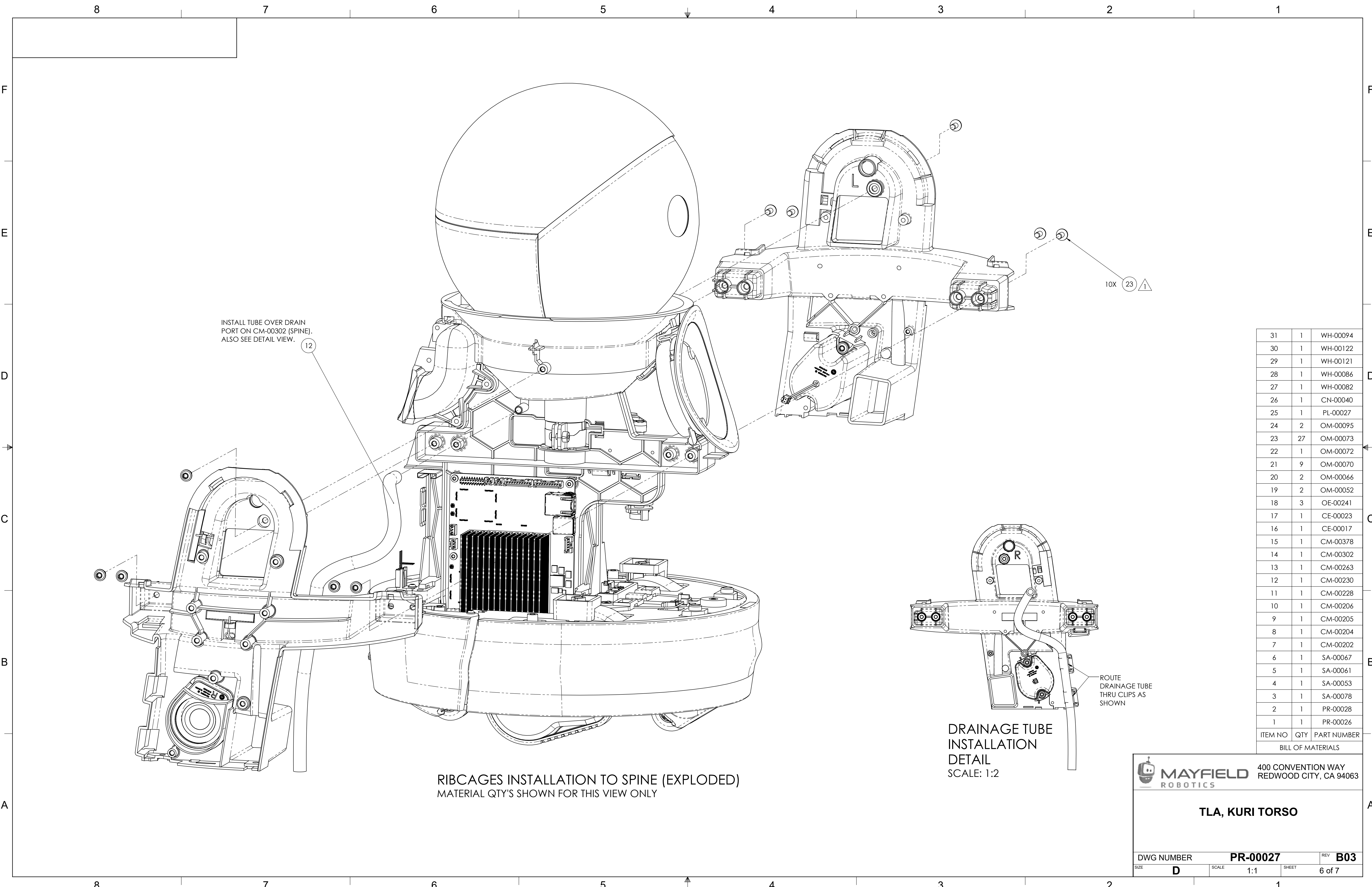
400 CONVENTION WAY  
REDWOOD CITY, CA 94063

TLA, KURI TORSO

DWG NUMBER	PR-00027	REV	B03
SIZE	D	SCALE	3:4
SHEET	4 of 7		



31	1	WH-00094
30	1	WH-00122
29	1	WH-00121
28	1	WH-00086
27	1	WH-00082
26	1	CN-00040
25	1	PL-00027
24	2	OM-00095
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22	1	OM-00072
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20	2	OM-00066
19	2	OM-00052
18	3	OE-00241
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12	1	CM-00230
11	1	CM-00228
10	1	CM-00206
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8	1	CM-00204
7	1	CM-00202
6	1	SA-00067
5	1	SA-00061
4	1	SA-00053
3	1	SA-00078
2	1	PR-00028
1	1	PR-00026
ITEM NO	QTY	PART NUMBER
BILL OF MATERIALS		



INSTALL TUBE OVER DRAIN  
PORT ON CM-00302 (SPINE).  
ALSO SEE DETAIL VIEW.

12

10X 23

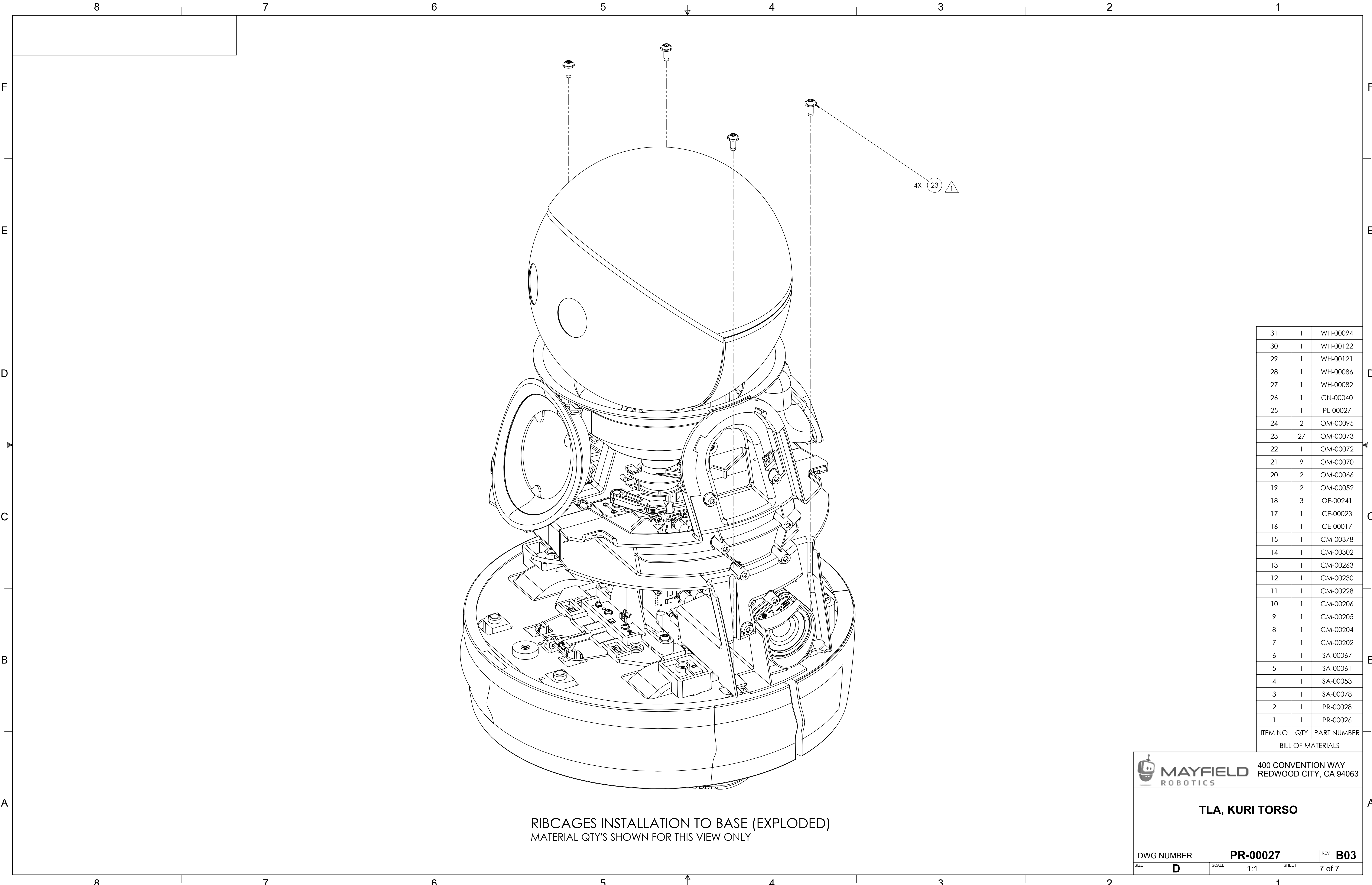
ROUTE  
DRAINAGE TUBE  
THRU CLIPS AS  
SHOWN

RIBCAGES INSTALLATION TO SPINE (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY

DRAINAGE TUBE  
INSTALLATION  
DETAIL  
SCALE: 1:2

31	1	WH-00094
30	1	WH-00122
29	1	WH-00121
28	1	WH-00086
27	1	WH-00082
26	1	CN-00040
25	1	PL-00027
24	2	OM-00095
23	27	OM-00073
22	1	OM-00072
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20	2	OM-00066
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6	1	SA-00067
5	1	SA-00061
4	1	SA-00053
3	1	SA-00078
2	1	PR-00028
1	1	PR-00026
ITEM NO	QTY	PART NUMBER
BILL OF MATERIALS		





RIBCAGES INSTALLATION TO BASE (EXPLODED)  
MATERIAL QTY'S SHOWN FOR THIS VIEW ONLY