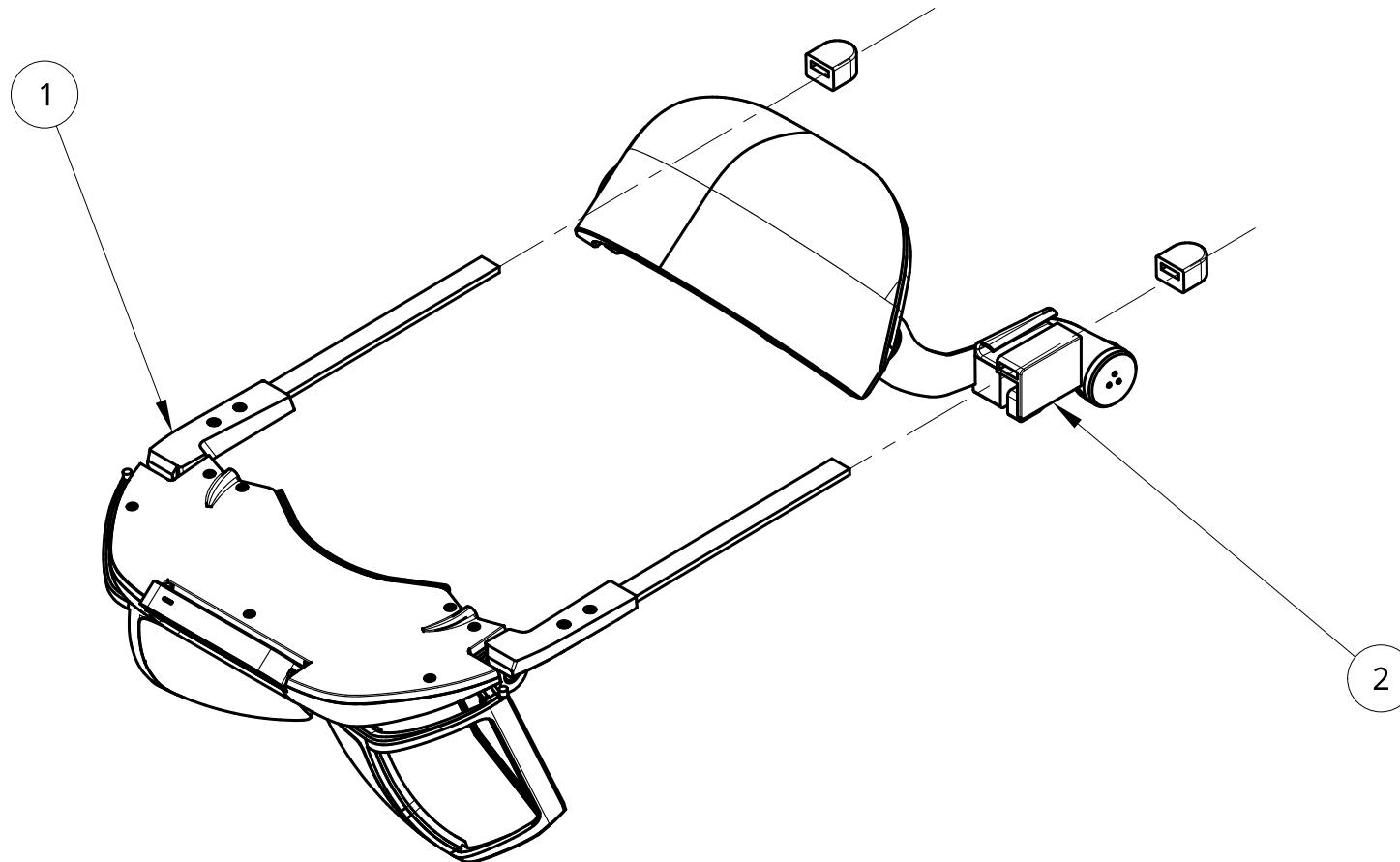


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## NOTES:

1) Install endcaps from optics assembly last

Item No.	Quantity	Part number	Description
1	1	#100-000	OPTICS ASSM.
2	1	#200-000	HEADGEAR ASSM
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		NAME	DATE
ANGULAR = $\pm$ °	DRAWN	FLORIAN MAURER	01/15/2019
SURFACE FINISH ✓	CHECKED	JOHNATHON SELSTAD	01/15/2019
DO NOT SCALE DRAWING	APPROVED	DAVID HOLZ	01/15/2019
BREAK ALL SHARP EDGES AND REMOVE BURRS			
THIRD ANGLE PROJECTION	MATERIAL	FINISH	SIZE A DWG NO. #000-000 REV. 1
			SCALE 1:3 WEIGHT SHEET 1 of 1

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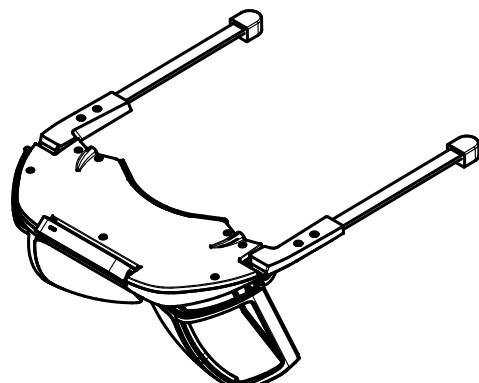
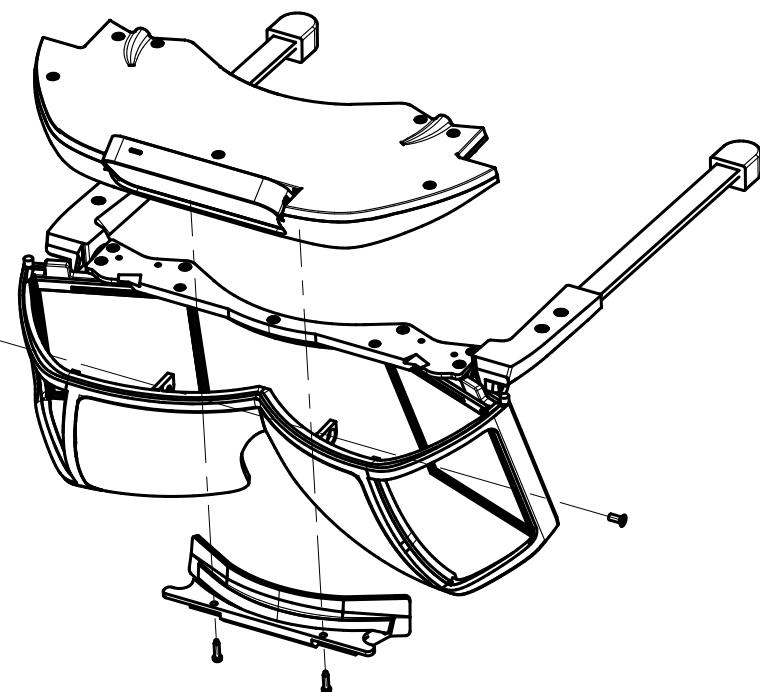
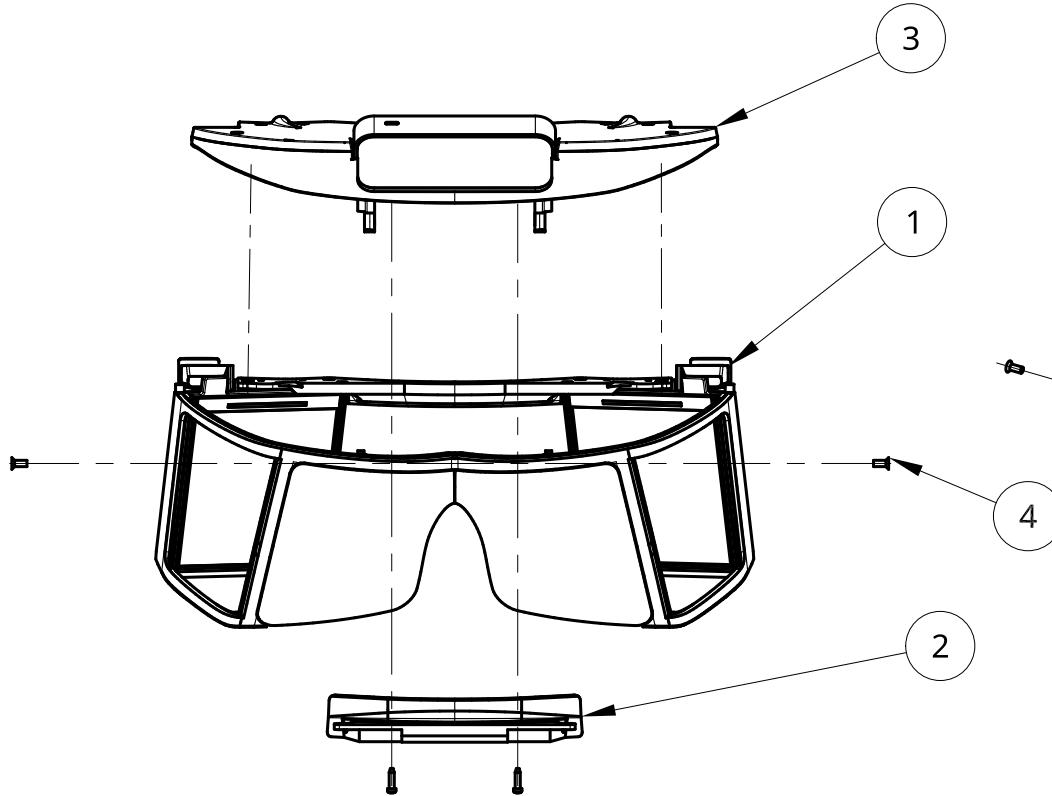
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SCALE 1:5

Item No.	Quantity	Part number	Description
1	1	#110-000	HINGED OPTICS BRACKET ASSM.
2	1	#115-000	FACIAL INTERFACE ASSM.
3	1	#120-000	HALO ELECTRONICS MODULE ASSM.
4	2	#640-001	M2.5x0.45 6mm LONG STEEL FLAT HEAT SCREW 90 DEG CS

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS  
ANGULAR =  $\pm$  °  
SURFACE FINISH ✓  
DO NOT SCALE DRAWING  
BREAK ALL SHARP EDGES AND REMOVE BURRS  
THIRD ANGLE PROJECTION

Project: North Star

DRAWN: FLORIAN MAURER 01/15/2019  
CHECKED: JOHNATHON SELSTAD 01/15/2019  
APPROVED: DAVID HOLZ 01/15/2019

TITLE: OPTICS ASSM.

MATERIAL: FINISH:  
DWG NO. #100-000 REV. 1  
SCALE 1:3 WEIGHT SHEET 1 of 1

2

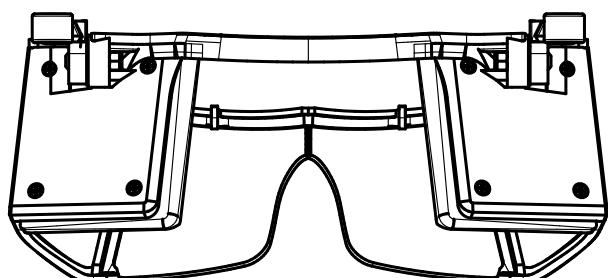
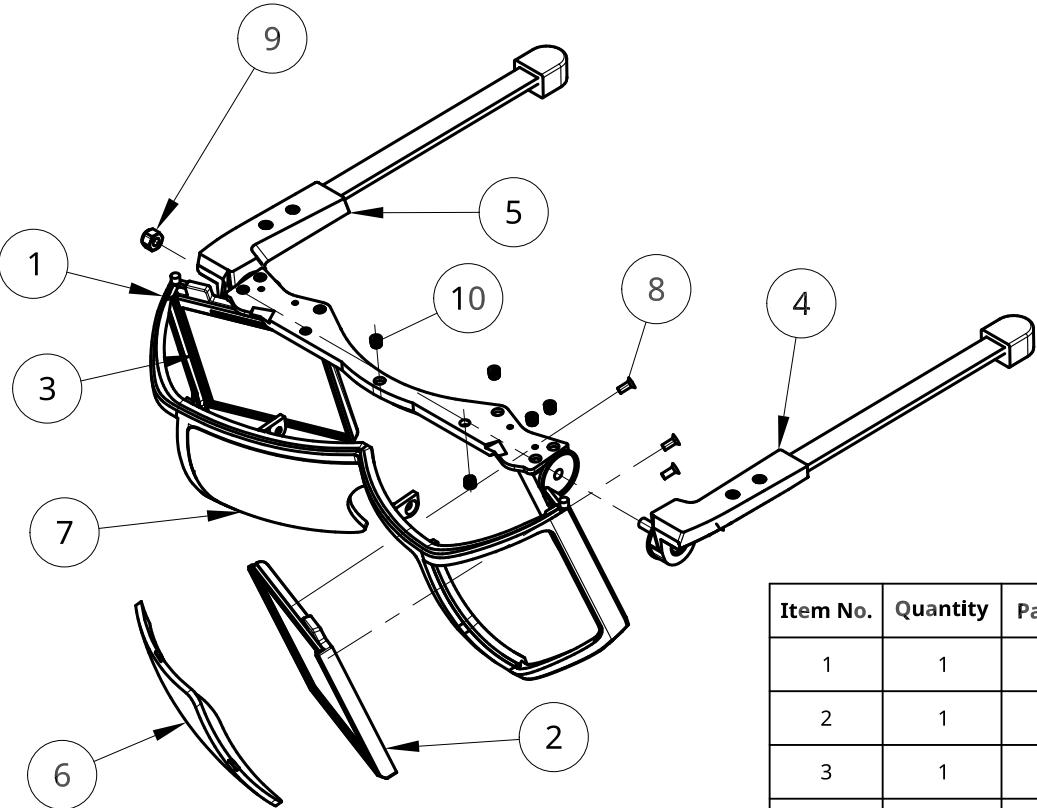
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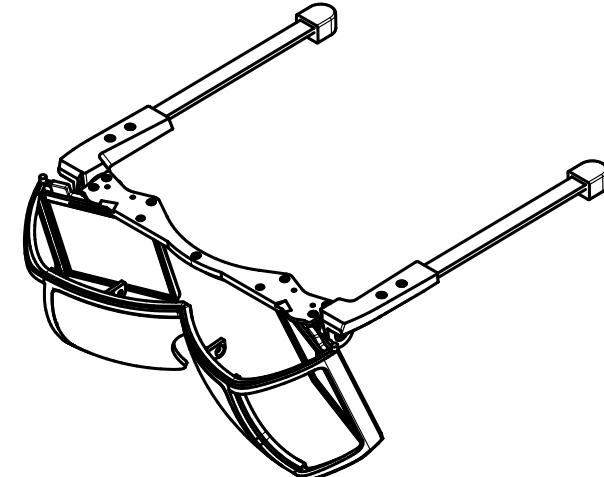
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BACK  
SCALE 1:4



SCALE 1:4

Item No.	Quantity	Part number	Description
1	1	#110-001	OPTICS BRACKET MAIN BODY - 3DPRINT
2	1	#111-000	LEFT DISPLAY ASSM.
3	1	#112-000	RIGHT DISPLAY ASSM.
4	1	#113-000	LEFT ROT. SLIDE MOUNT ASSM.
5	1	#114-000	RIGHT ROT. SLIDE MOUNT ASSM.
6	1	#500-001	LEFT REFLECTOR
7	1	#500-002	RIGHT REFLECTOR
8	8	#640-001	M2.5x0.45 6mm LONG STEEL FLAT HEAD SCREW 90 DEG CS
9	2	#660-001	M4x0.7mm ZINC PLATED NYLON INSERT HEX LOCK NUT
10	9	#690-001	M2.5x0.45 3.4mm LONG HEAT-SET INSERT FOR PLASTICS

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS

ANGULAR =  $\pm$  °

SURFACE FINISH ✓

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND  
REMOVE BURRS

THIRD ANGLE PROJECTION

NAME DATE

DRAWN FLORIAN MAURER 01/14/2019

CHECKED JOHNATHON SELSTAD 01/15/2019

APPROVED DAVID HOLZ 01/15/2019

SIZE A DWG NO. #110-000 REV. 1

SCALE 1:3 WEIGHT

Project: North Star

TITLE

HINGED OPTICS BRACKET ASSM.

SHEET 1 of 1

2

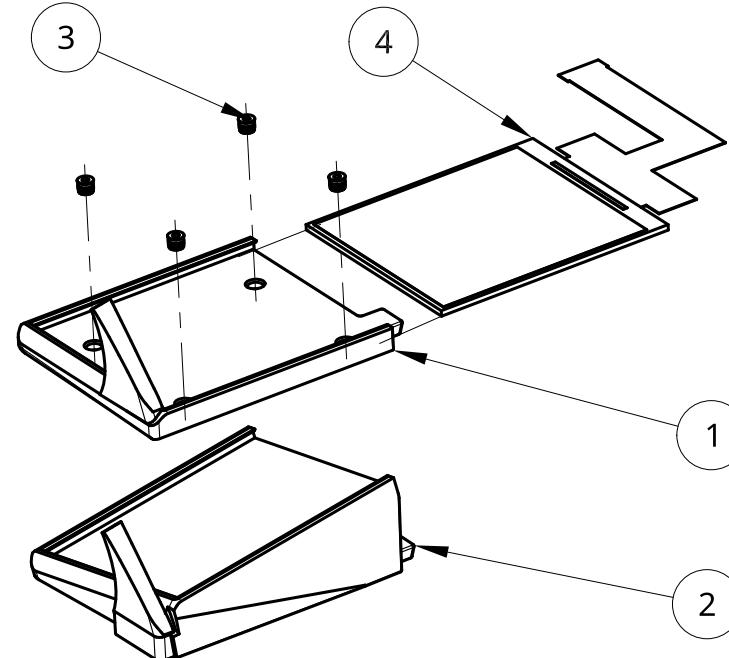
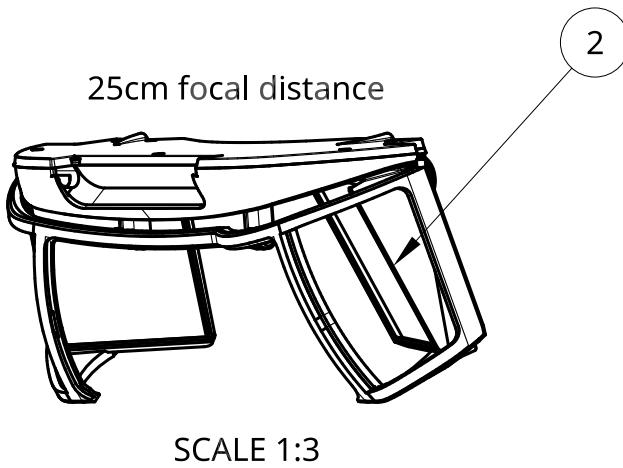
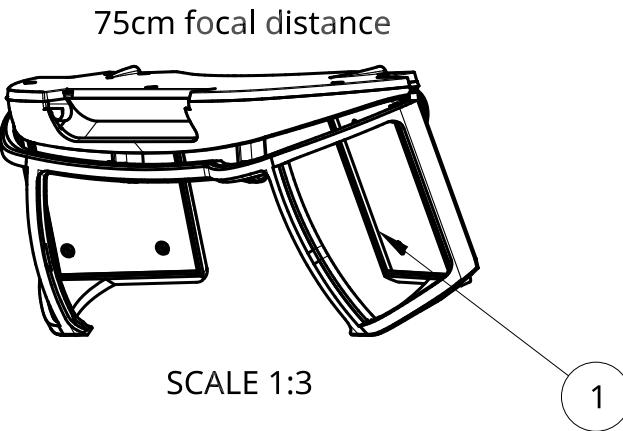
1

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NOTES:  
 1) Select either Item 1 or 2  
 2) Repeat for mirror assembly on right side

Item No.	Quantity	Part number	Description
1	1	#111-001	LEFT DISPLAY TRAY - 75cm FOCAL - 3DPRINT
2	1	#111-002	LEFT DISPLAY TRAY - 25cm FOCAL - 3DPRINT
3	4	#690-001	M2.5x0.45 3.4mm LONG HEAT-SET INSERT FOR PLASTICS
4	1	#700-002	BOE 3.5-in VS035ZSM-NW0 120HZ LTPS 1440*1600 Module

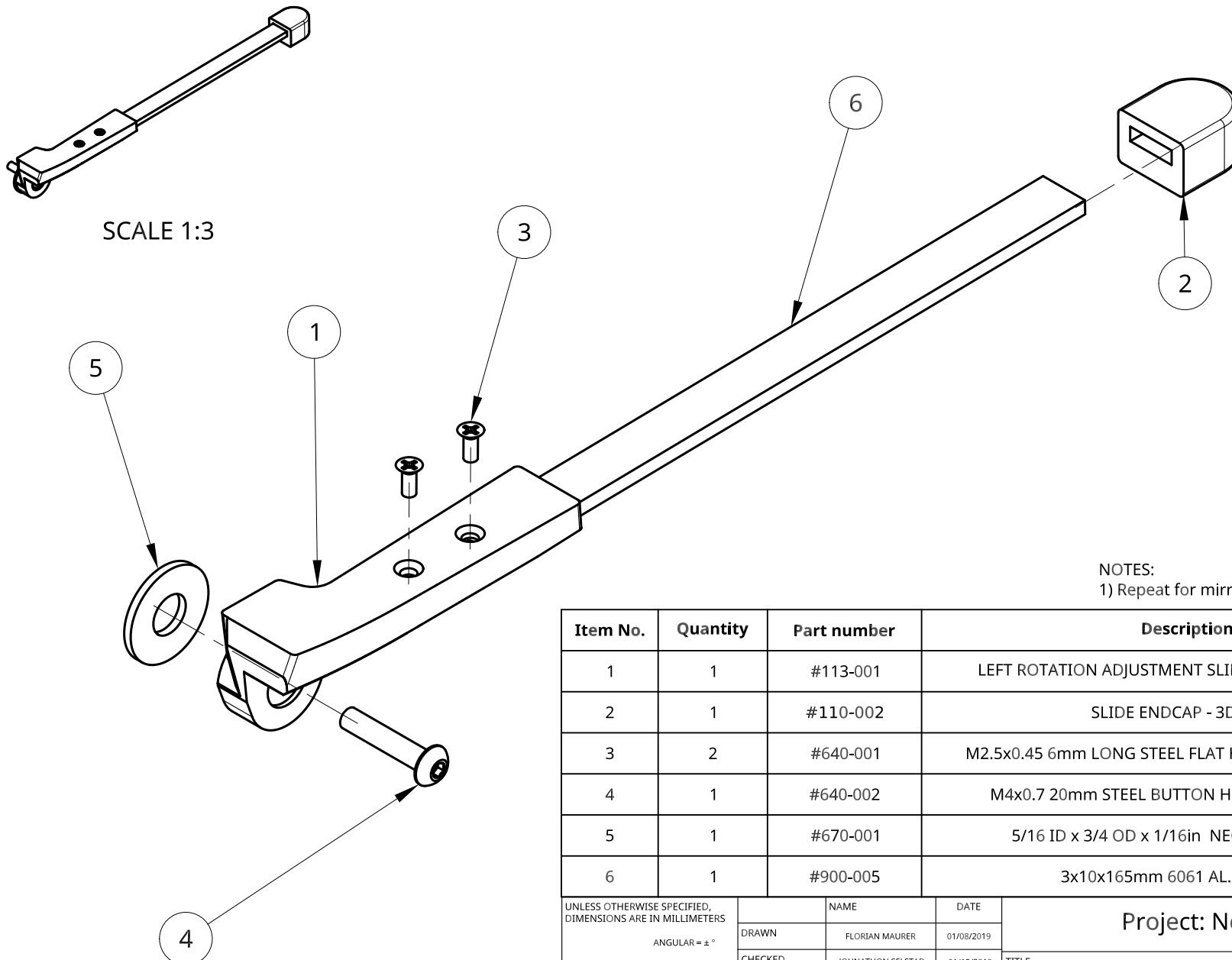
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		NAME		DATE	Project: North Star		
ANGULAR = $\pm$ °		DRAWN	FLORIAN MAURER	01/09/2019			
SURFACE FINISH ✓		CHECKED	JOHNATHON SELSTAD	01/15/2019	TITLE		
DO NOT SCALE DRAWING		APPROVED	DAVID HOLZ	01/15/2019			
BREAK ALL SHARP EDGES AND REMOVE BURRS					LEFT DISPLAY ASSM.		
THIRD ANGLE PROJECTION		MATERIAL	FINISH	SIZE A DWG NO. #111-000 REV. 1			
				SCALE 1:1 WEIGHT	SHEET 1 of 1		

2

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Item No.	Quantity	Part number	Description
1	1	#113-001	LEFT ROTATION ADJUSTMENT SLIDE MOUNT - 3DPRINT
2	1	#110-002	SLIDE ENDCAP - 3DPRINT
3	2	#640-001	M2.5x0.45 6mm LONG STEEL FLAT HEAT SCREW 90 DEG CS
4	1	#640-002	M4x0.7 20mm STEEL BUTTON HEAD SOCKET SCREW
5	1	#670-001	5/16 ID x 3/4 OD x 1/16in NEOPRENE WASHER
6	1	#900-005	3x10x165mm 6061 AL. BAR SLIDE

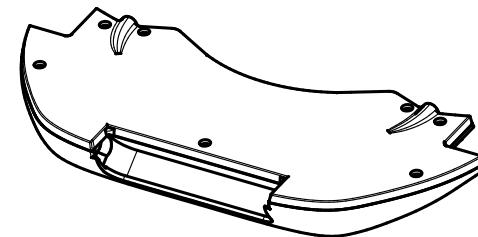
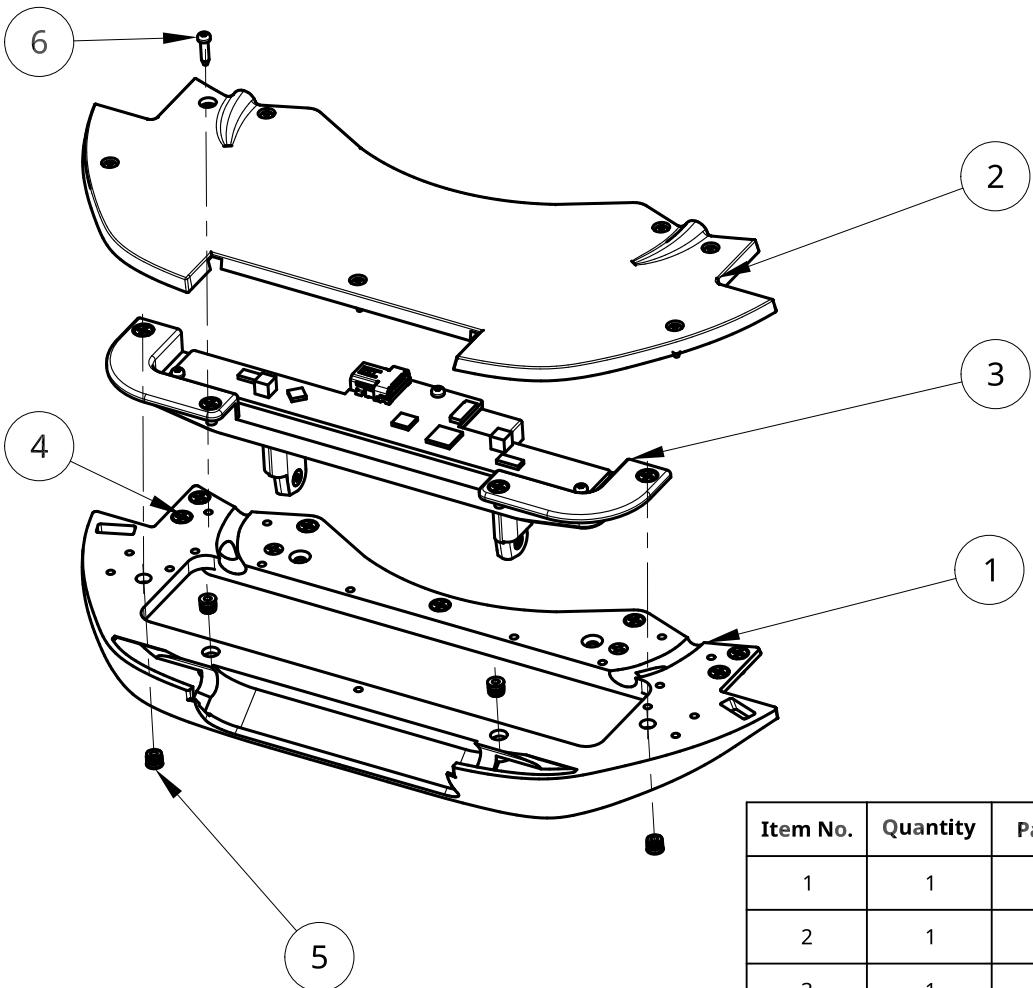
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		NAME	DATE	Project: North Star		
ANGULAR = $\pm$ °		DRAWN FLORIAN MAURER	01/08/2019			
SURFACE FINISH ✓		CHECKED JOHNATHON SELSTAD	01/15/2019	TITLE LEFT ROT. SLIDE MOUNT ASSM.		
DO NOT SCALE DRAWING		APPROVED DAVID HOLZ	01/15/2019			
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE A	DWG NO. #113-000	REV. 1
THIRD ANGLE PROJECTION		MATERIAL	FINISH			
				SCALE 1:1	WEIGHT	SHEET 1 of 1

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SCALE 1:3

NOTES:  
 1) Install item 2 after fastening items 4  
 2) Use items 4 for fastening to parent assembly

Item No.	Quantity	Part number	Description
1	1	#120-001	HALO MAIN BODY - 3DPRINT
2	1	#120-002	HALO LID - 3DPRINT
3	1	#121-000	ELECTRONICS BAY ASSM.
4	9	#640-001	M2.5x0.45 6mm LONG STEEL FLAT HEAT SCREW 90 DEG CS
5	4	#690-001	M2.5x0.45 3.4mm LONG HEAT-SET INSERT FOR PLASTICS
6	7	#650-001	M2x8mm LONG THREAD-FORMING SCREWS FOR PLASTIC

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS  ANGULAR = $\pm$ °  SURFACE FINISH ✓  DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  THIRD ANGLE PROJECTION	DRAWN  CHECKED  APPROVED  DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  THIRD ANGLE PROJECTION	NAME		DATE  01/09/2019  01/15/2019  01/15/2019	Project : North Star  TITLE  HALO ELECTRONICS MODULE ASSM.
		DRAWN  FLORIAN MAURER  01/09/2019	CHECKED  JOHNATHON SELSTAD  01/15/2019		
					SIZE A DWG NO. #120-000 REV. 1
				SCALE 1:2 WEIGHT	SHEET 1 of 1

2

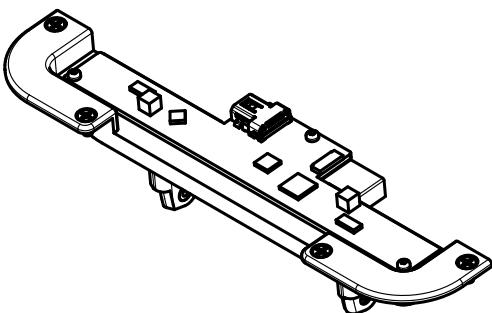
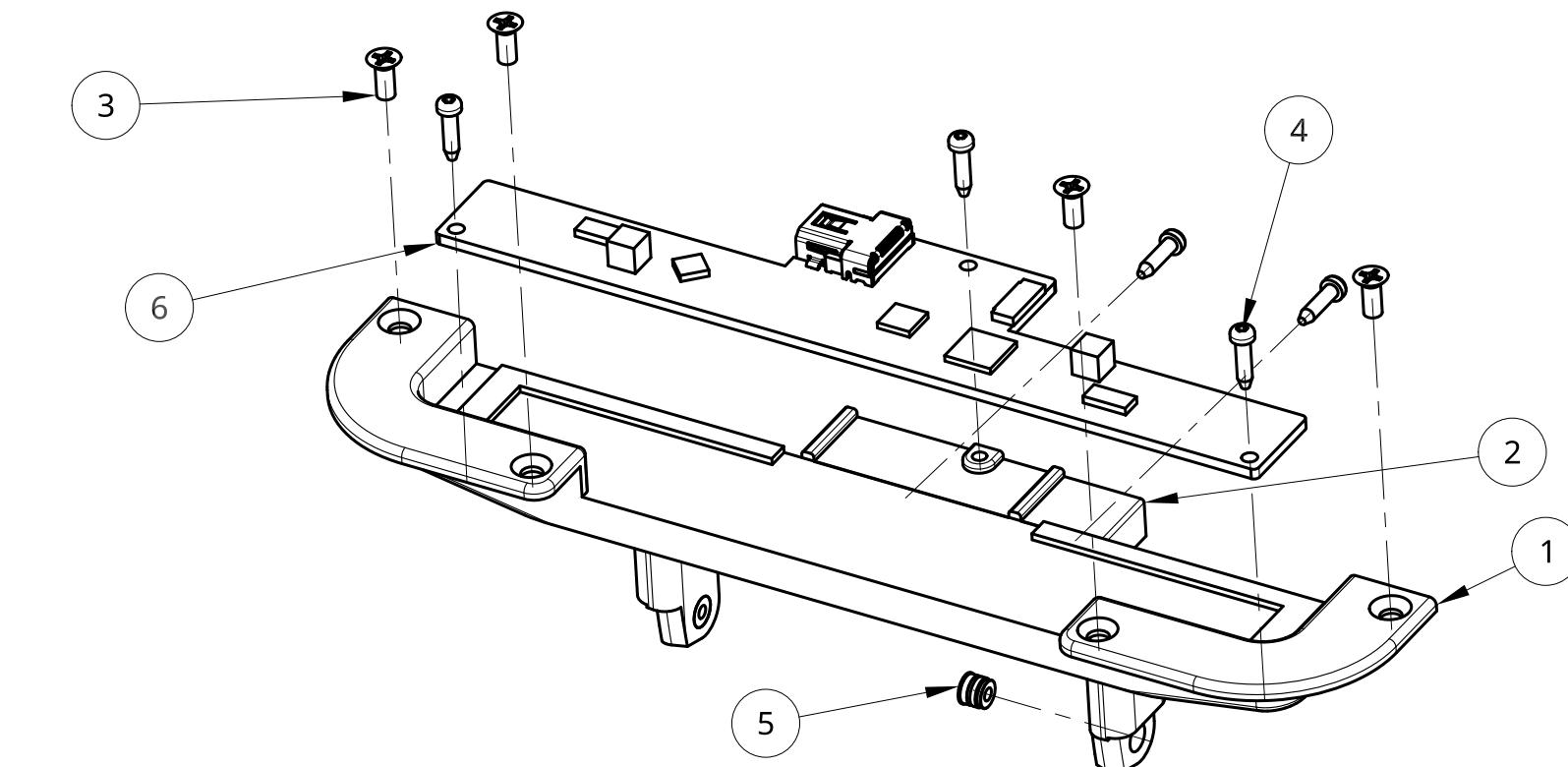
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SCALE 1:2

Item No.	Quantity	Part number	Description
1	1	#121-001	HALO ELECTRONICS HOLDER - 3DPRINT
2	1	#121-002	HALO ELECTRONICS DP PORT HOLDER - 3DPRINT
3	4	#640-001	M2.5x0.45 6mm LONG STEEL FLAT HEAT SCREW 90 DEG CS
4	5	#650-001	M2x8mm LONG THREAD-FORMING SCREWS FOR PLASTIC
5	2	#690-001	M2.5x0.45 3.4mm LONG HEAT-SET INSERT FOR PLASTICS
6	1	#800-001	DISPLAY DRIVER BOARD

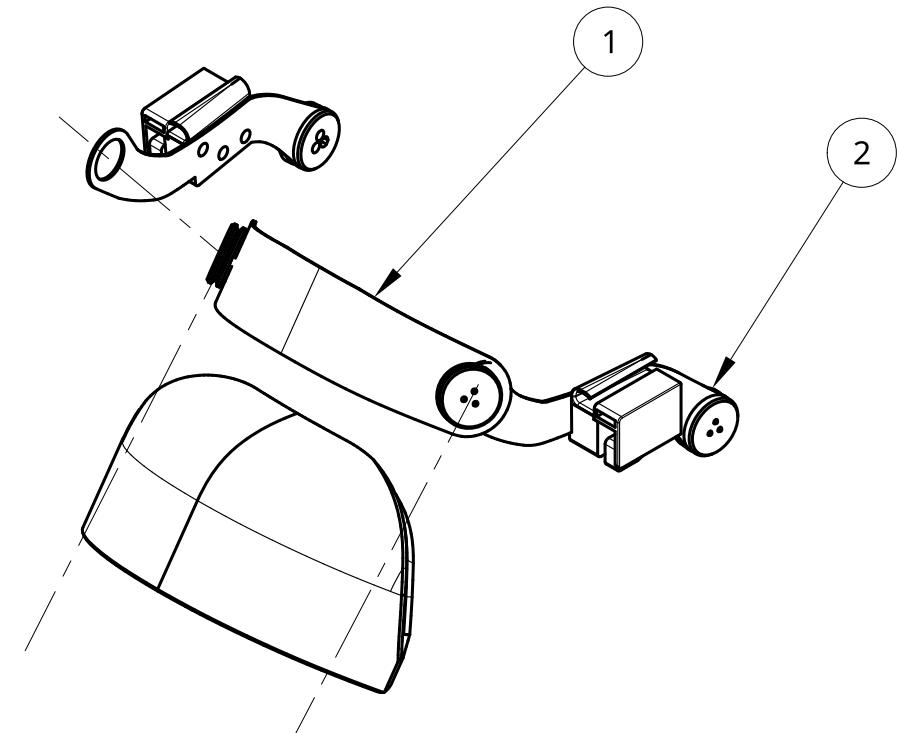
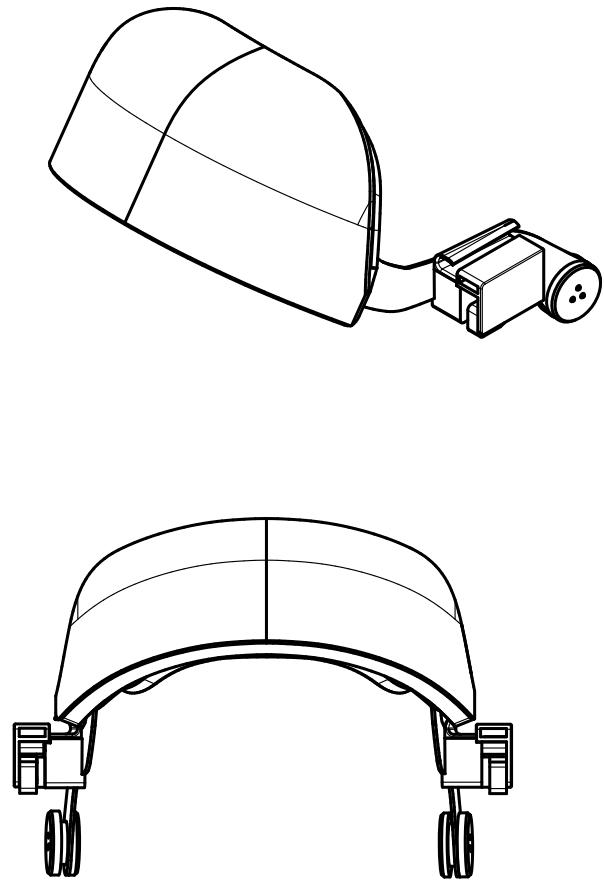
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		NAME	DATE	Project: North Star		
ANGULAR = $\pm$ °		DRAWN FLORIAN MAURER	01/09/2019			
SURFACE FINISH ✓		CHECKED JOHNATHON SELSTAD	1/15/2019	TITLE  ELECTRONICS BAY ASSM		
DO NOT SCALE DRAWING		APPROVED DAVID HOLZ	01/15/2019			
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE A	DWG NO. #121-000	REV. 1
THIRD ANGLE PROJECTION		MATERIAL	FINISH			
				SCALE 1:1	WEIGHT	SHEET 1 of 1

2

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Item No.	Quantity	Part number	Description
1	1	#210-000	PADDED FOREHEAD ASSM.
2	1	#230-000	LEFT BRAKE ASSM.
3	1	#240-000	RIGHT BRAKE ASSM.
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS ANGULAR = $\pm$ ° SURFACE FINISH ✓ DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS THIRD ANGLE PROJECTION	DRAWN CHECKED APPROVED      	NAME JOHNATHON SELSTAD DAVID HOLZ      	DATE 01/15/2019 01/15/2019 01/15/2019       Project: North Star TITLE HEADGEAR ASSM. SIZE A DWG NO. #200-000 REV. 1 SCALE 1:3 WEIGHT SHEET 1 of 1

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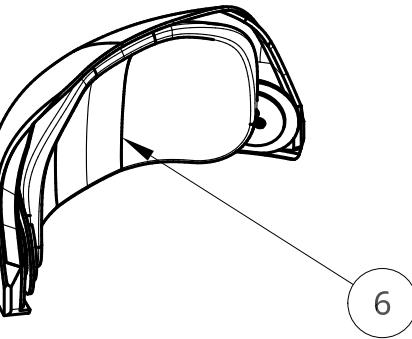
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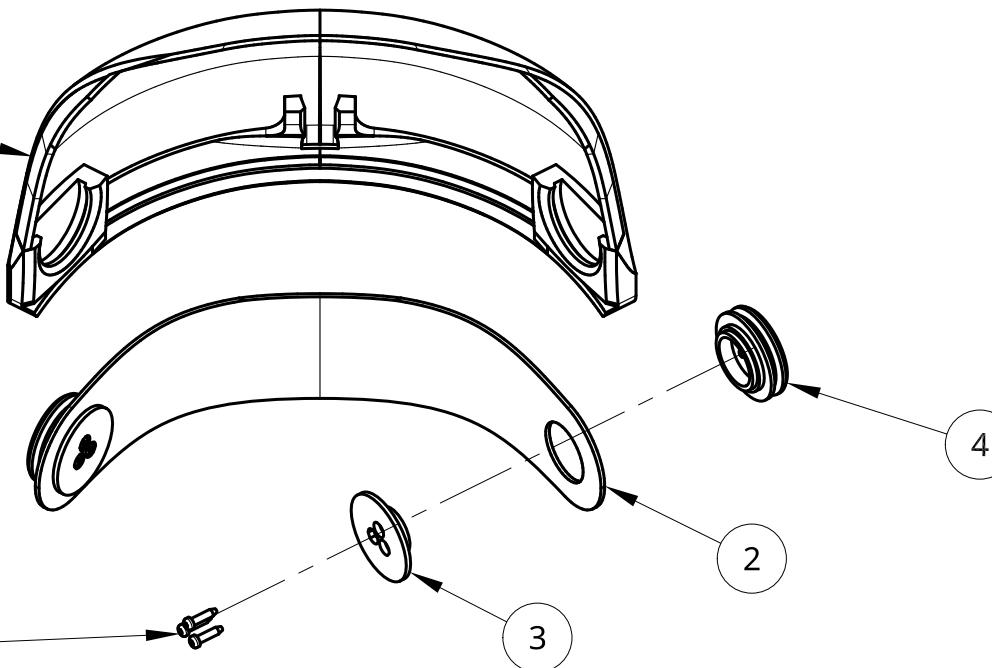
SCALE 1:3

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Item No.	Quantity	Part number	Description
1	1	#210-001	FOREHEAD MAIN STRUCTURE - 3DPRINT
2	1	#210-002	FOREHEAD HEADGEAR SPAN - 3DPRINT
3	2	#210-003	FOREHEAD HINGE CAP - 3DPRINT
4	2	#210-004	FOREHEAD HINGE BASE - 3DPRINT
5	6	#650-001	M2x8mm LONG THREAD-FORMING SCREWS FOR PLASTIC
6	1	#900-003	FOAM FOREHEAD PADDING

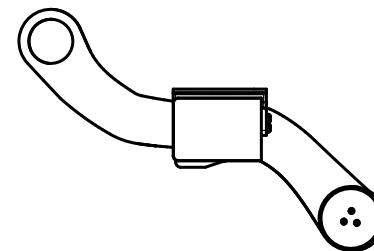
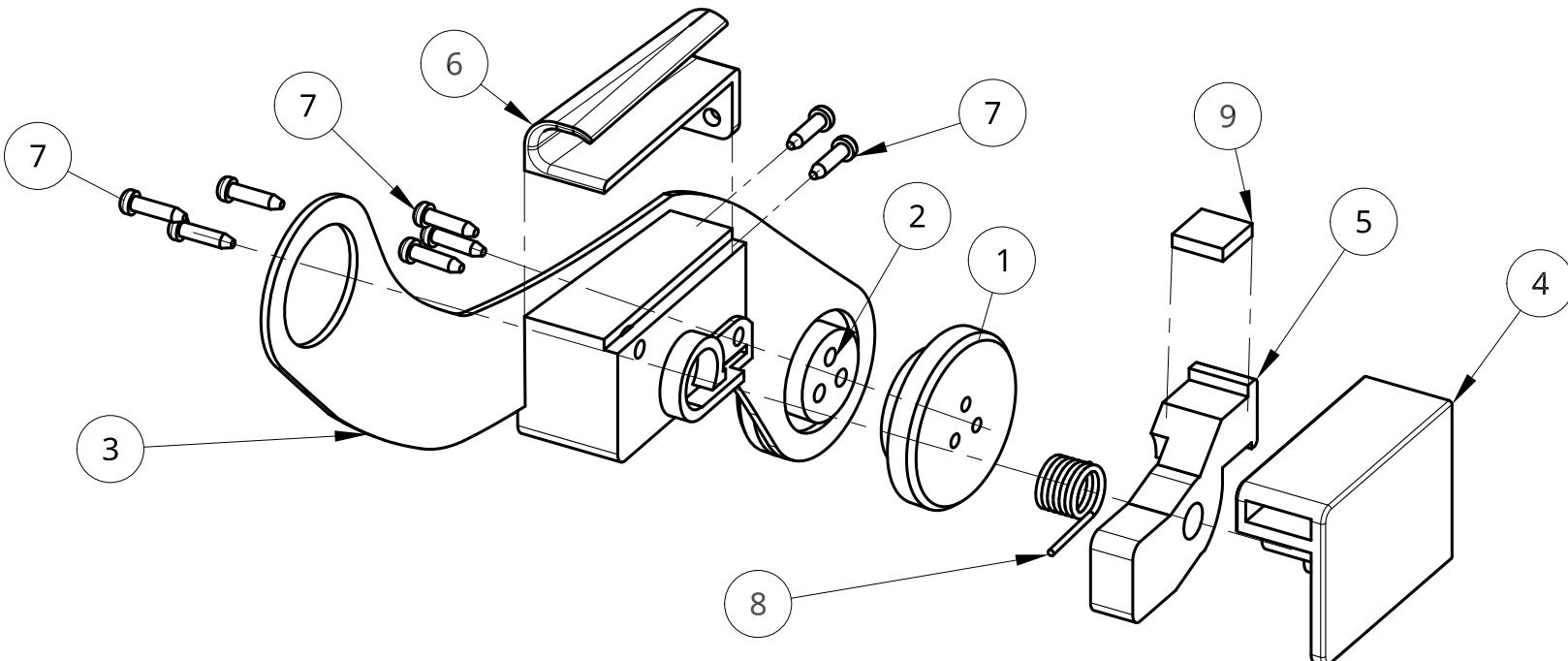
UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS  
ANGULAR =  $\pm$  °  
SURFACE FINISH ✓  
DO NOT SCALE DRAWING  
BREAK ALL SHARP EDGES AND REMOVE BURRS  
THIRD ANGLE PROJECTION

DRAWN FLORIAN MAURER 01/09/2019  
CHECKED JOHNATHON SELSTAD 01/15/2019  
APPROVED DAVID HOLZ 01/15/2019

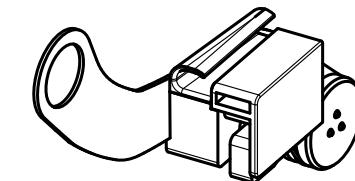
Project: North Star  
TITLE  
PADDED FOREHEAD ASSM.  
SIZE A DWG NO. #210-000 REV. 1  
SCALE 1:2 WEIGHT SHEET 1 of 1

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SCALE 1:3



SCALE 1:2

Item No.	Quantity	Part number	Description
1	1	#220-001	REAR HINGE BASE 3DPRINT
2	1	#220-002	REAR HINGE CAP 3DPRINT
3	1	#230-001	LEFT SIDE MAIN SPAN WITH SLIDE BRAKE - 3DPRINT
4	1	#230-002	LEFT BRAKE HOUSING - 3DPRINT
5	1	#230-003	LEFT BRAKE BUTTON - 3DPRINT
6	1	#230-004	LEFT CABLE GUIDE - 3DPRINT
7	8	#650-001	M2x8mm LONG THREAD-FORMING SCREWS FOR PLASTIC
8	1	#630-001	0.304-in OD TORSION SPRING 180 DEG. L-HAND WOUND
9	1	#900-002	2mm THICK SELF-STICK ANTI-SKID RUBBER

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			
ANGULAR = $\pm$ °	DRAWN	NAME	DATE
SURFACE FINISH ✓	CHECKED	JOHNATHON SELSTAD	01/15/2019
DO NOT SCALE DRAWING	APPROVED	DAVID HOLZ	01/15/2019
BREAK ALL SHARP EDGES AND REMOVE BURRS			
THIRD ANGLE PROJECTION	MATERIAL	FINISH	
SCALE 1:1			WEIGHT
DWG NO. #230-000			REV. 1
SHEET 1 of 1			

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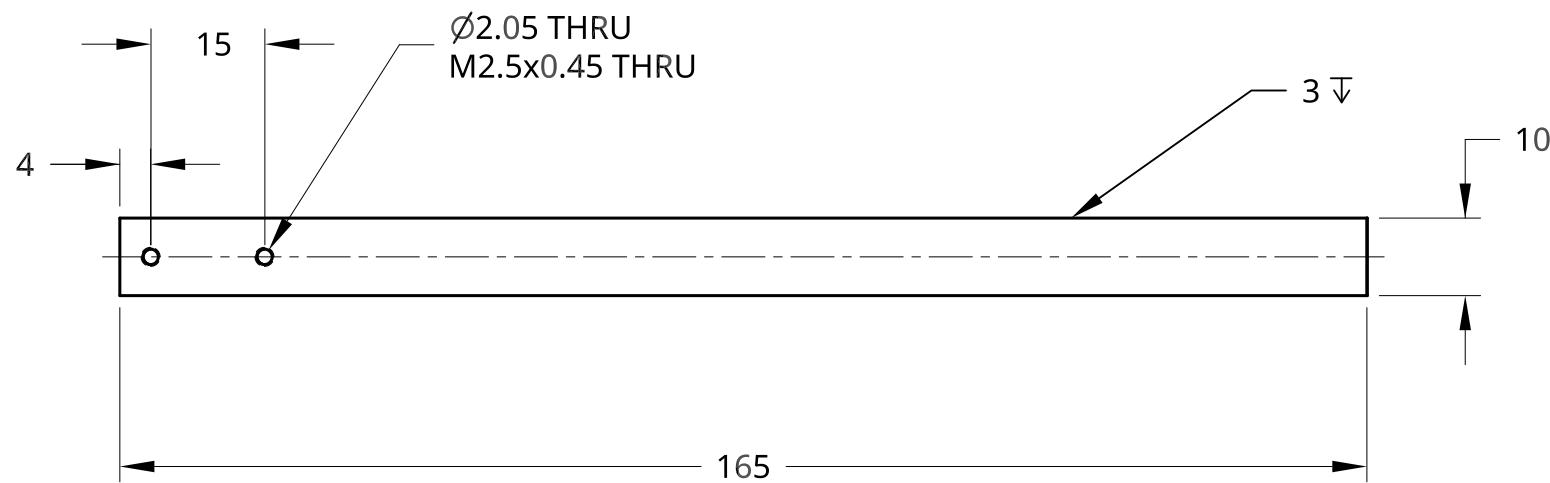
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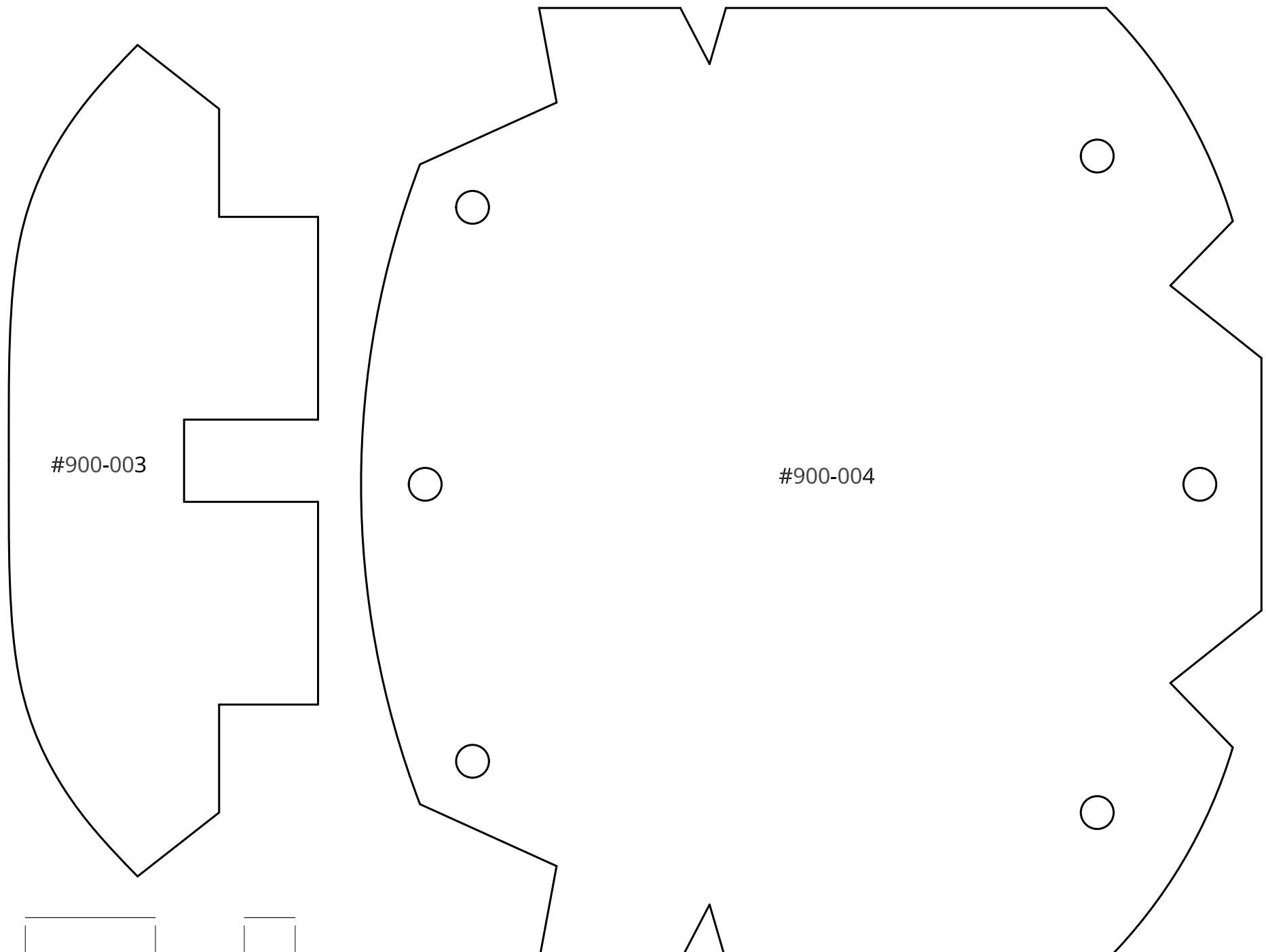
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS  ANGULAR = $\pm$ °  SURFACE FINISH ✓			NAME	DATE	Project: North Star		
		DRAWN	FLORIAN MAURER	01/15/2019			
		CHECKED	JOHNATHON SELSTAD	01/15/2019	TITLE		
		APPROVED	DAVID HOLZ	01/15/2019			
		DO NOT SCALE DRAWING					
		BREAK ALL SHARP EDGES AND REMOVE BURRS					
THIRD ANGLE PROJECTION		MATERIAL	FINISH	SIZE	DWG NO.	#900-005	
		Al 6061	NONE	A		REV. 1	
				SCALE 1:1	WEIGHT	SHEET 1 of 1	

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#900-003

#900-004

1in

10mm