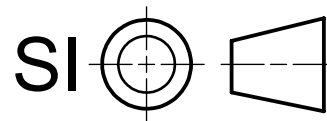



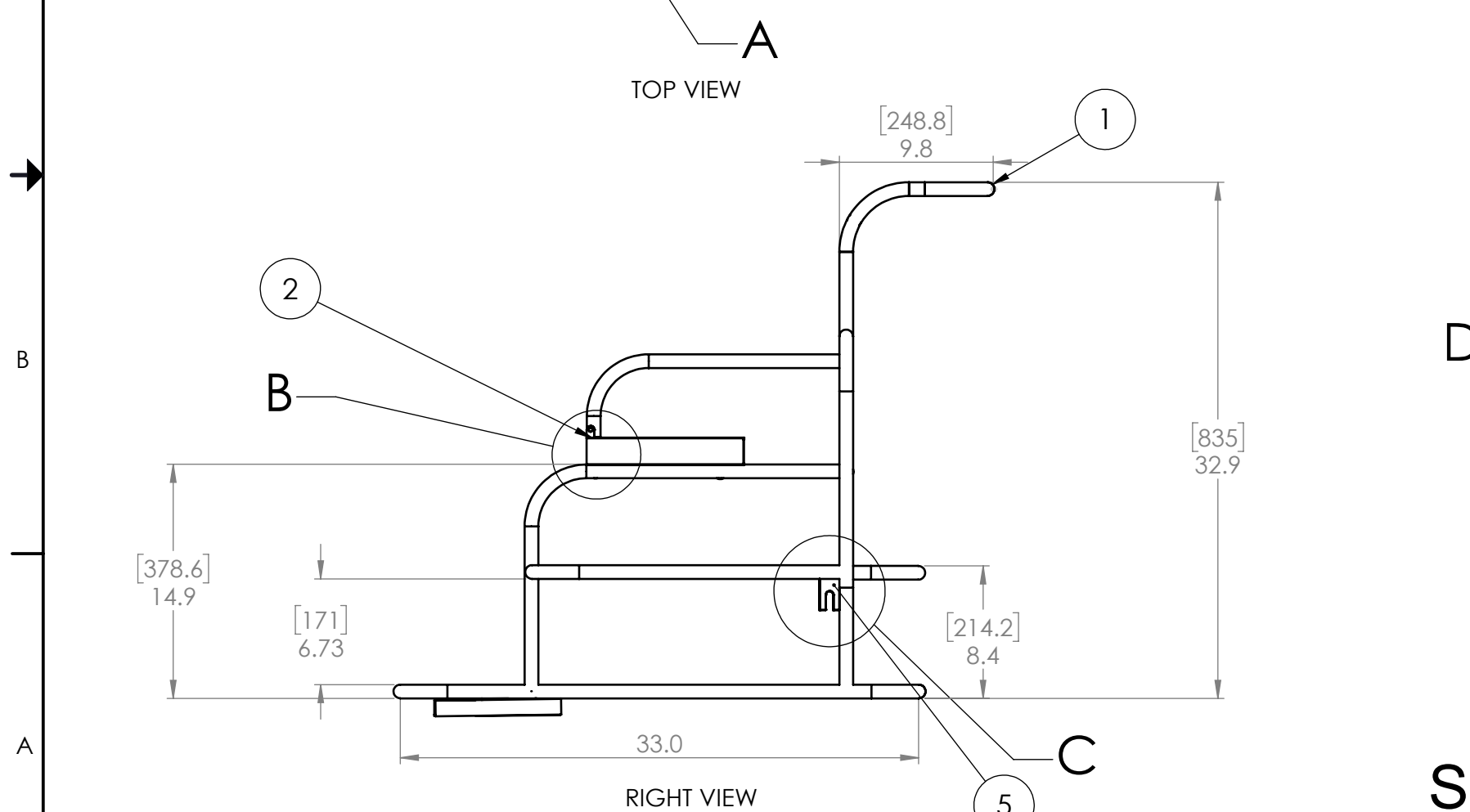
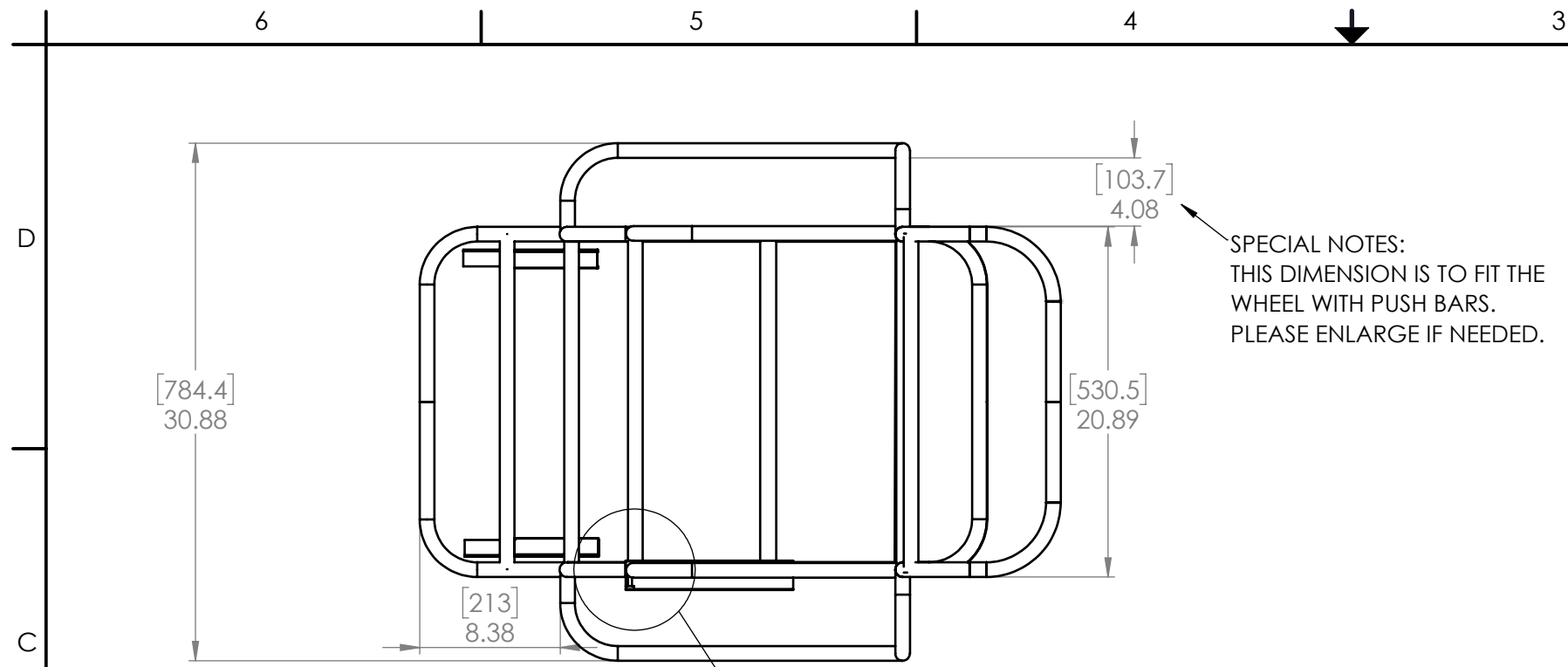
PART NO.	SUBASSEMBLY	QTY.
1	CHAIR FRAME	1
2	CASTOR ASSEMBLY	1
3	WHEELS	2
4	SEAT CUSHION	1
5	BACK CUSHION	1
6	FRONT TRICYCLE	1
7	PUSH RIM	2

CONFIGURATION WHEELCHAIR

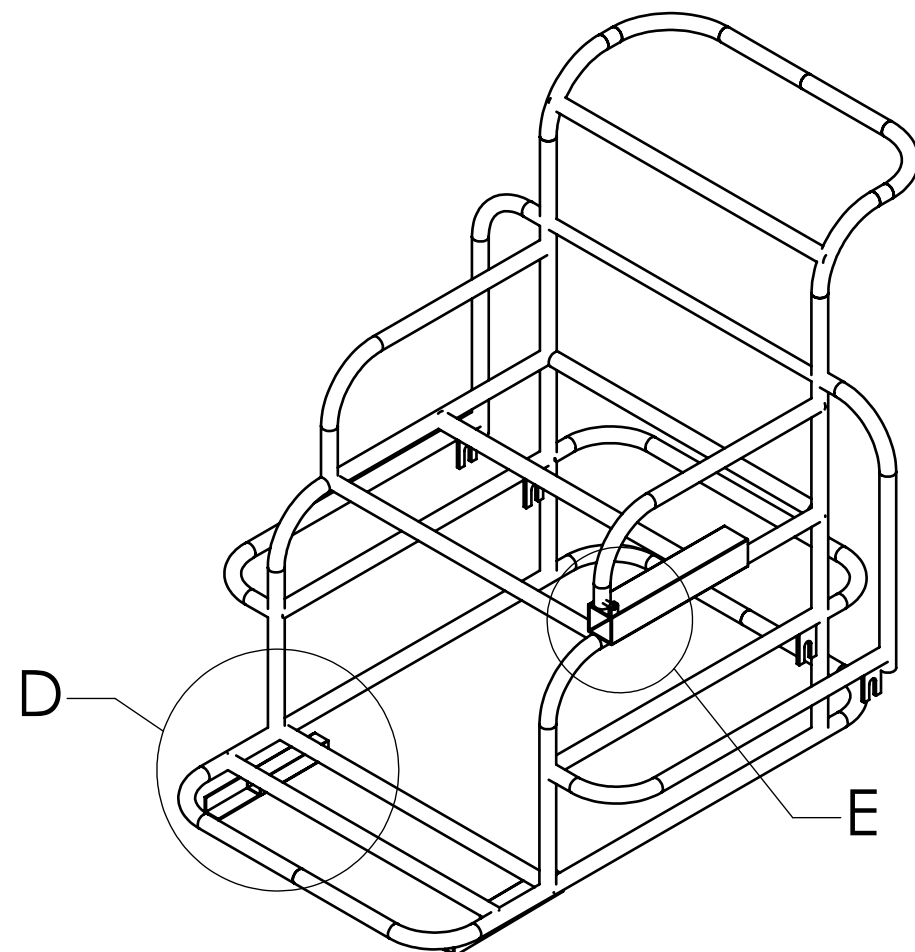
CONFIGURATION TRICYCLE



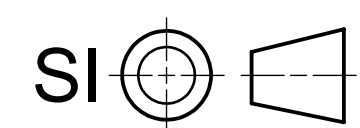
 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA		TOLERANCES: DECIMAL ±x.xx ANGLE ±x.X°	
TITLE: CONFIGURATION ASSEMBLIES		MATERIAL: SEE BOM	
DRAWN: SAMANTHA ASTLES		DATE: 17/06/19	SHEET 1 OF 11
CLIENT: PROMOBILIA		SCALE: 1:10	
CHECKED: BH	DWG. #: AAA-111	11x17	1



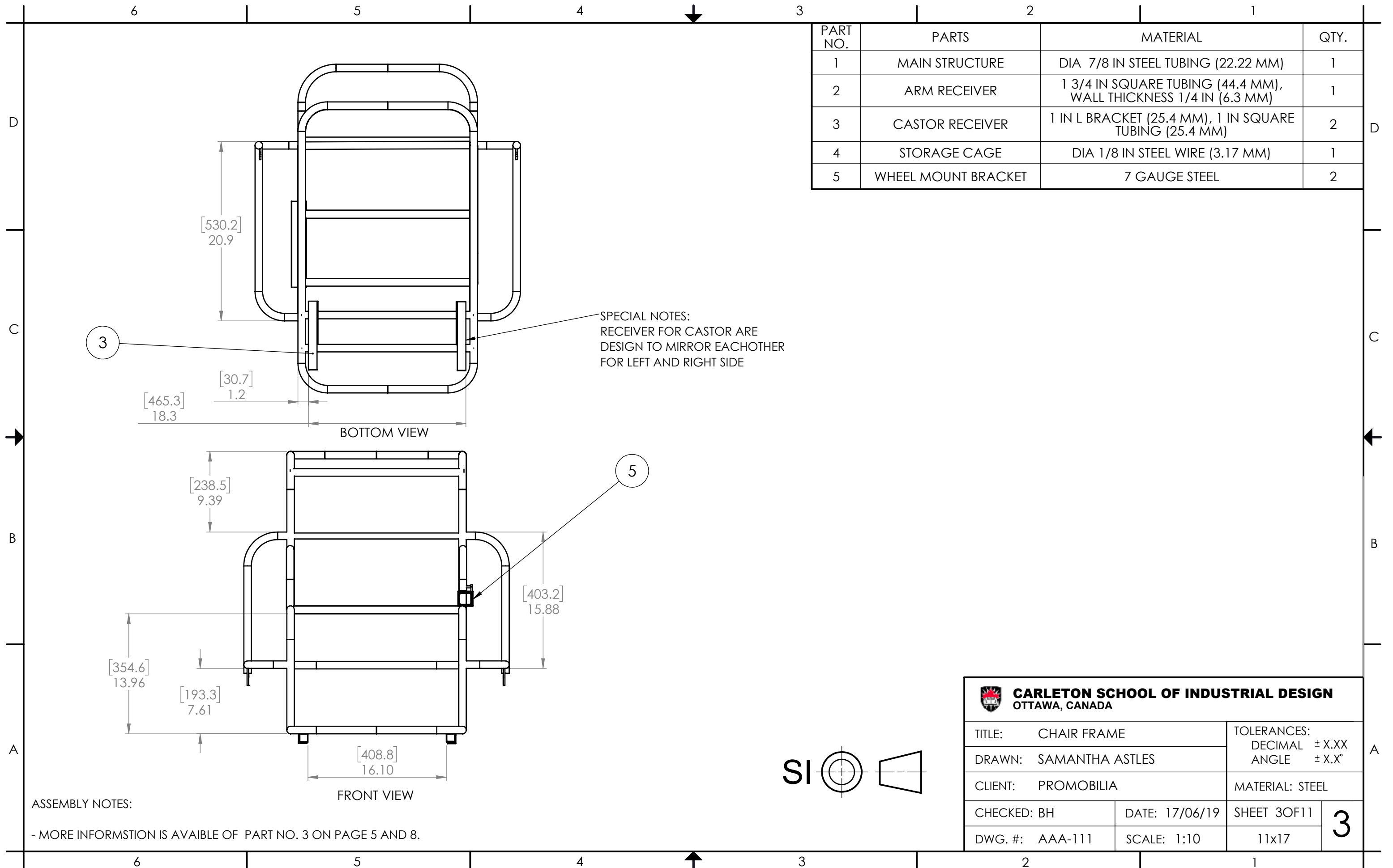
PART NO.	PARTS	MATERIAL	QTY.
1	MAIN STRUCTURE	DIA 7/8 IN STEEL TUBING (22.22 MM)	1
2	ARM RECEIVER	1 3/4 IN SQUARE TUBING (44.4 MM), WALL THICKNESS 1/4 IN (6.3 MM)	1
3	CASTOR RECEIVER	1 IN L BRACKET (25.4 MM), 1 IN SQUARE TUBING (25.4 MM)	2
4	STORAGE CAGE	DIA 1/8 IN STEEL WIRE (3.17 MM)	1
5	WHEEL MOUNT BRACKET	7 GAUGE STEEL	

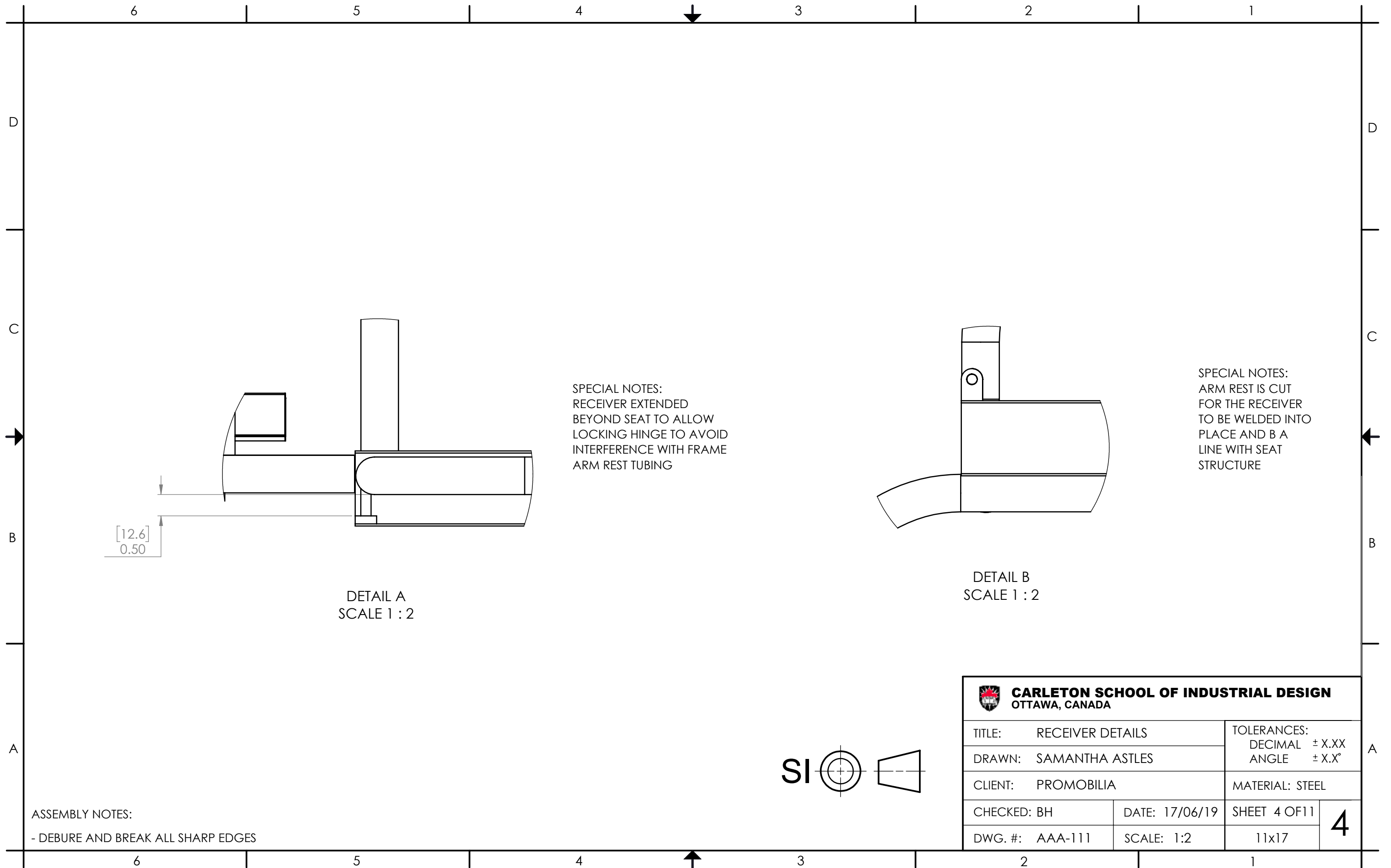


ASSEMBLY NOTES:
 - DETAIL FOR A AND B CAN BE FOUND ON PAGE 3 OF PACKAGE.
 - DETAIL FOR C AND D CAN BE FOUND ON PAGE 4 OF PACKAGE.
 - DETAIL FOR E CAN BE FOUND ON PAGE 5 OF PACKAGE.



CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA			
TITLE: CHAIR FRAME		TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN: SAMANTHA ASTLES		MATERIAL: STEEL	
CLIENT: PROMOBILIA	CHECKED: BH	DATE: 17/06/19	SHEET 20F11
DWG. #: AAA-111	SCALE: 1:10	11x17	2





6

5

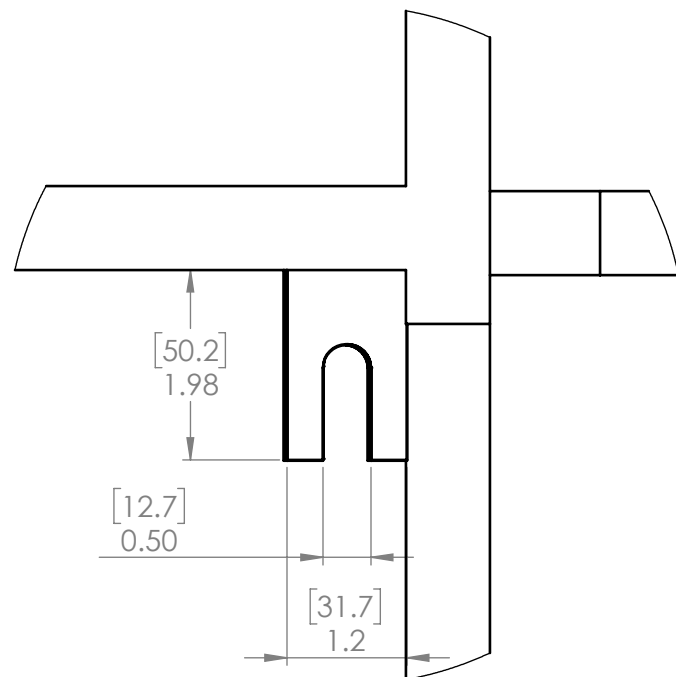
4



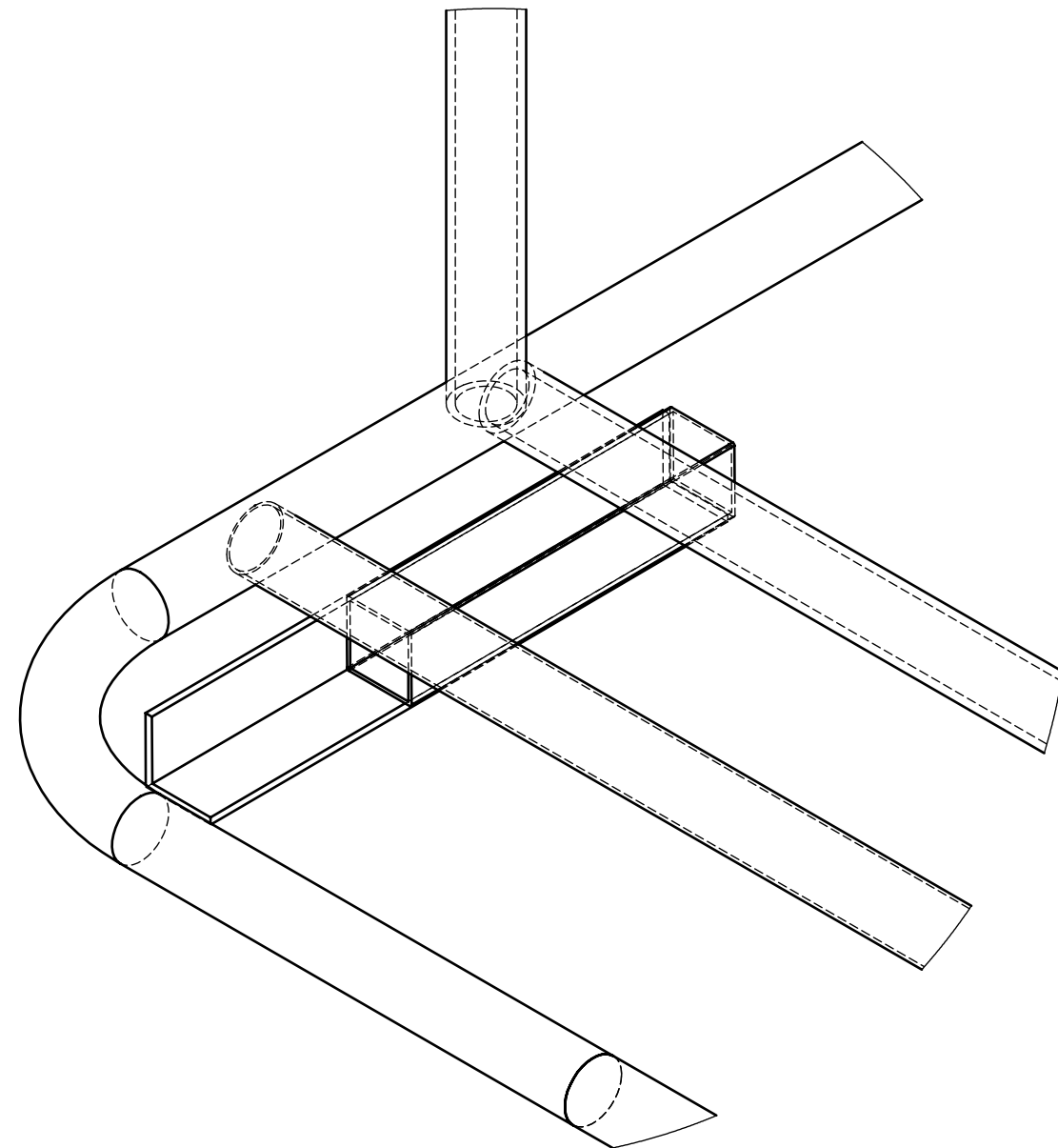
3

2

1



DETAIL C
SCALE 1 : 2



DETAIL D
SCALE 1 : 2

D

C

B

A

D

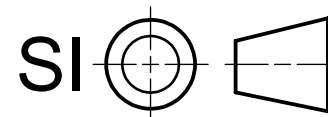
C


B

A

ASSEMBLY NOTES:

- DEBURE AND BREAK ALL SHARP EDGES
- MORE INFORMATION IS AVAILBLE OF DETAILS D ON PAGE 8.



 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA			
TITLE: MAINFRAME DETAILS		TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN: SAMANTHA ASTLES		MATERIAL: STEEL	
CLIENT: PROMOBILIA		DATE: 17/06/19	SHEET 5 OF 11
CHECKED: BH		SCALE: 1:2	5
DWG. #: AAA-111		11x17	

6

5

4

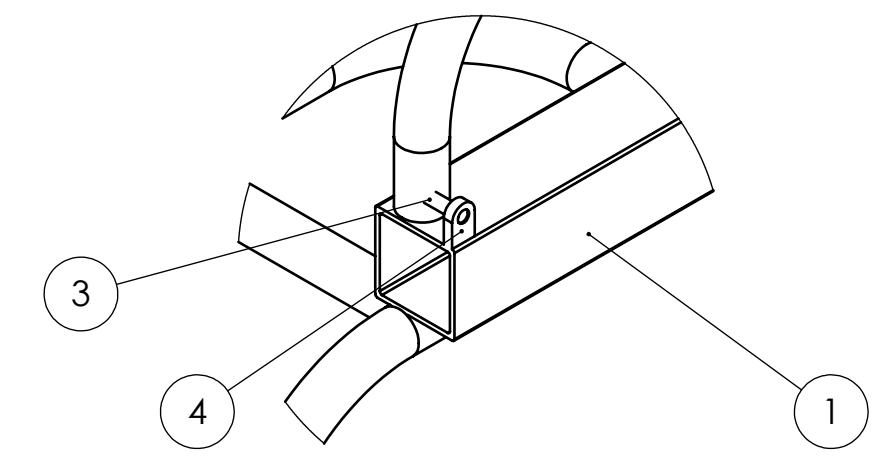


3

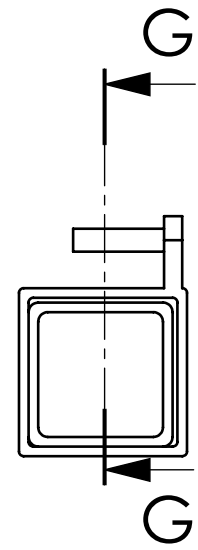
2

1

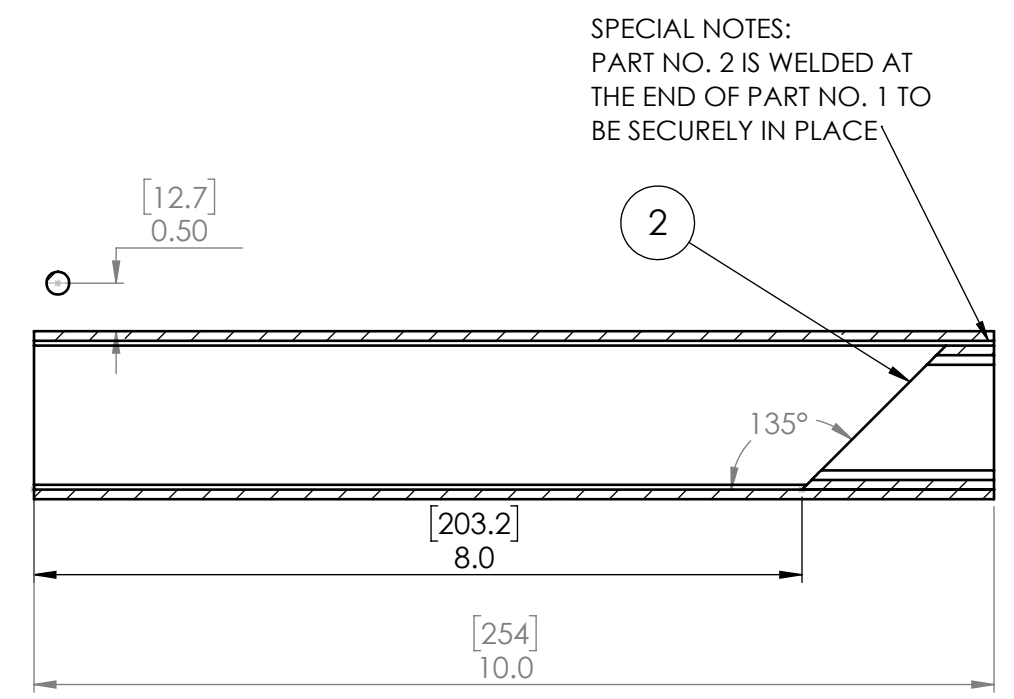
PART NO.	PARTS	MATERIAL	QTY.
1	ARM RECEIVER	1 3/4 IN SQUARE TUBING (44.4 MM), 1/4 IN WALL THICKNESS (6.3MM)	1
2	ANGLE LIFT FOR LOCKING MECHANISM	1 1/2 IN SQUARE TUBING (12.7 MM), 1/4 IN WALL THICKNESS (6.3MM)	1
3	LOCKING MECH ROD STRUCUTRE	16 GAUGE STEEL	1
4	LOCKING MECH RID	7 MM STEEL ROD	1



DETAIL E
SCALE 1 : 3



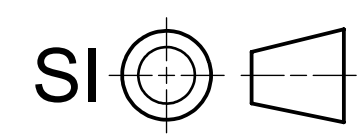
FRONT VIEW




SECTION G-G
SCALE 1 : 2

SPECIAL NOTES:
PART NO. 2 IS WELDED AT
THE END OF PART NO. 1 TO
BE SECURELY IN PLACE

ASSEMBLY NOTES:
- DEBURE AND BREAK ALL SHARP EDGES



 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA			
TITLE:	ARM RECEIVER	TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN:	SAMANTHA ASTLES	MATERIAL: STEEL	
CLIENT:	PROMOBILIA	CHECKED: BH	DATE: 17/06/19
DWG. #:	AAA-111	SCALE: 1:2	SHEET 6 OF 11
			6

6

5

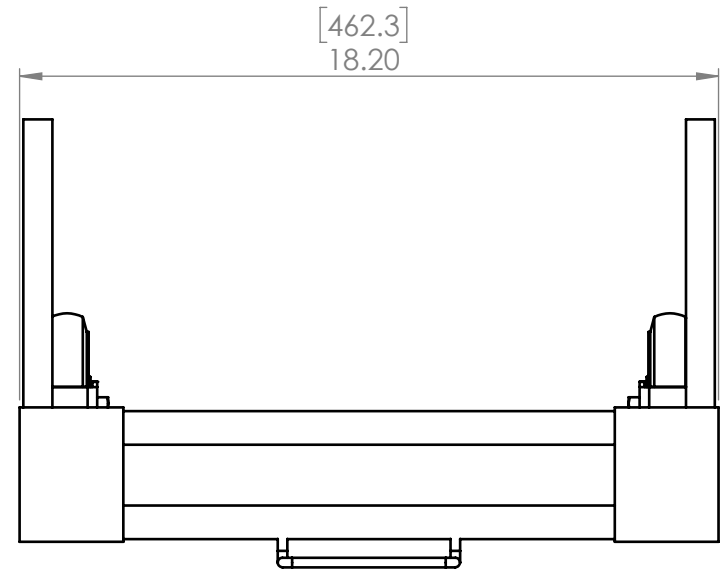
4

3

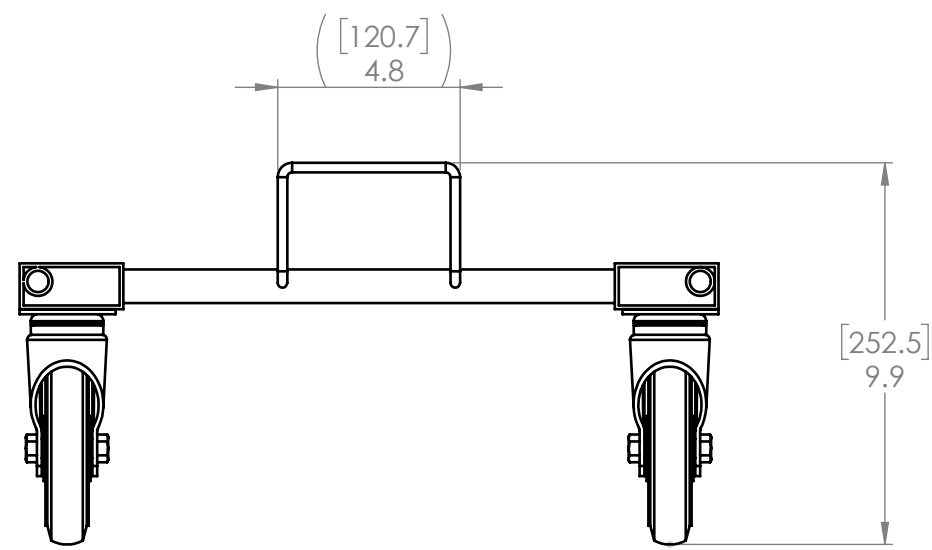
2

1

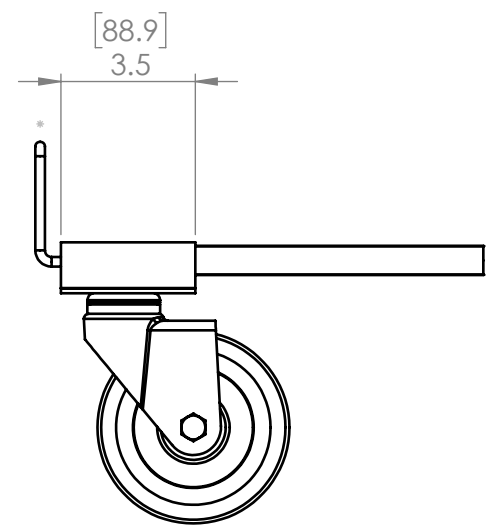
PART NO.	PARTS	MATERIAL	QTY.
1	TUBE FRAME	DIA 3/4 IN STEEL TUBING (19.0 MM)	2
2	CASTOR	6 IN CASTOR WHEEL (152.4 IN)	2
3	CASTOR FRAME TUBE	DIA 7/8 IN STEEL TUBING (22.2 MM)	2
4	CASTOR LIFT	1X2 IN STEEL SQUARE TUBING (25.4X50.8 MM), 1/4 IN WALL THICKNESS (6.3MM)	2
5	CASTOR HANDLE	DIA 1/4 IN STEEL ROD (6.3 MM)	1



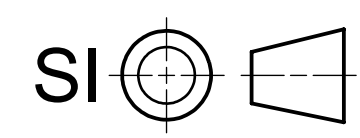
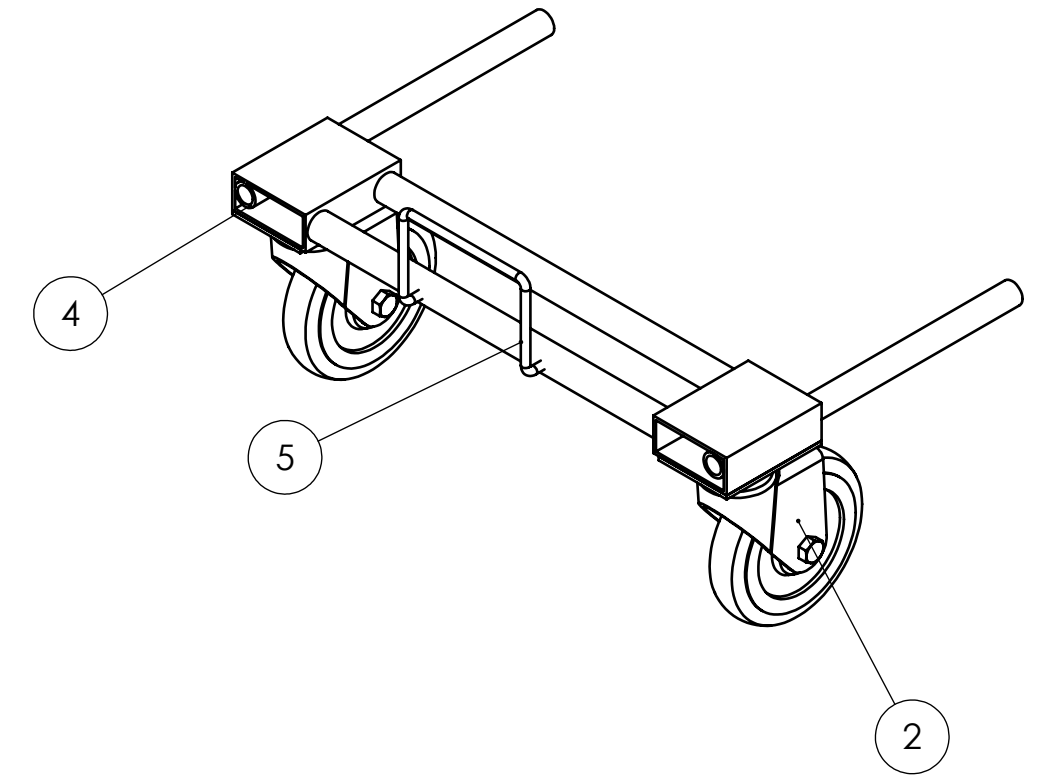
TOP VIEW




FRONT VIEW



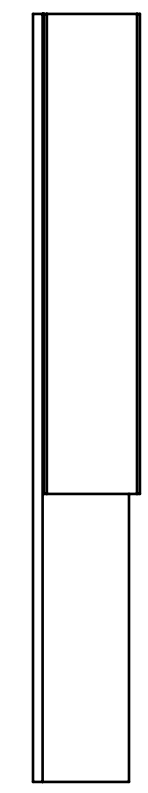
RIGHT VIEW



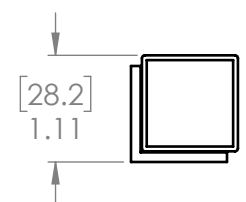
ASSEMBLY NOTES:
 - DEBURE AND BREAK ALL SHARP EDGES

 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA		TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°
TITLE: CASTOR SUBASSEMBLY	CLIENT: PROMOBILIA	
DRAWN: SAMANTHA ASTLES	CHECKED: BH	DATE: 17/06/19
DWG. #: AAA-111	SCALE: 1:5	SHEET 7 OF 11
		7

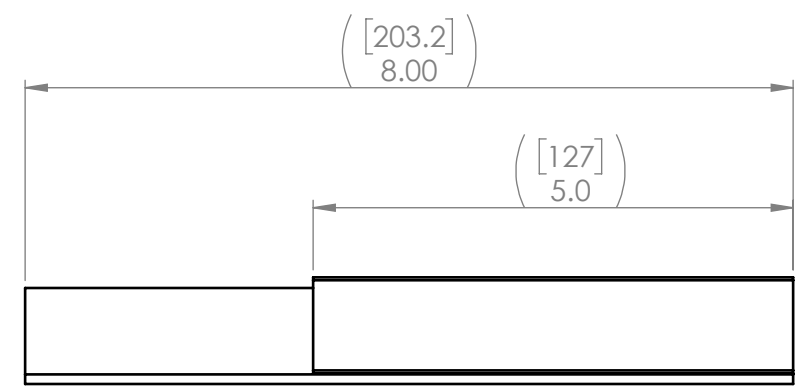
PART NO.	PARTS	MATERIAL	QTY.
1	CASTOR RECEIVER TUBE	1 IN STEEL SQUARE TUBING (25.4 MM), 1/4 IN WALL THICKNESS (6.3MM)	2
2	RECEIVER GUIDE	1 IN STEEL ANGLE BAR (25.4 MM)	2



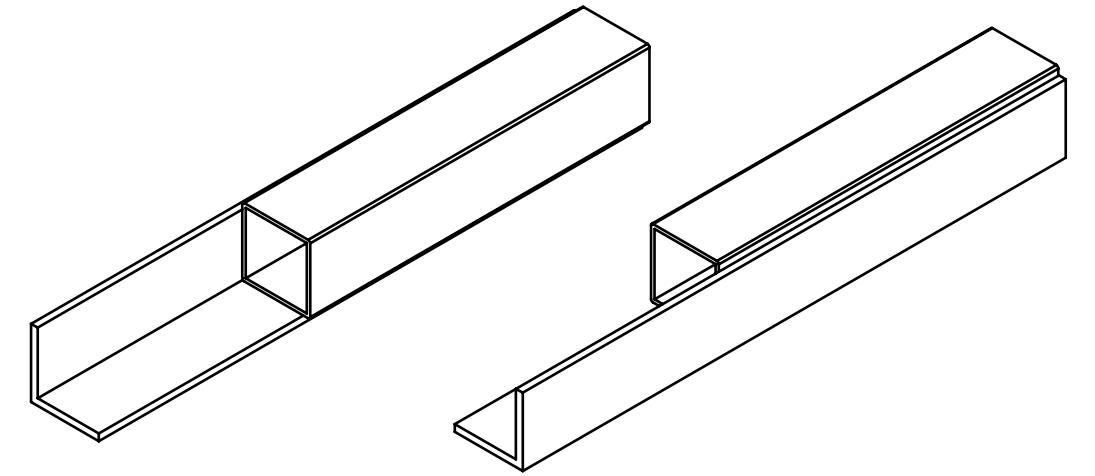
TOP VIEW



FRONT VIEW



RIGHT VIEW

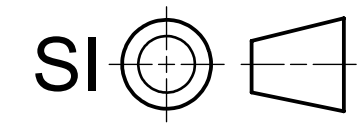



RIGHT RECEIVER

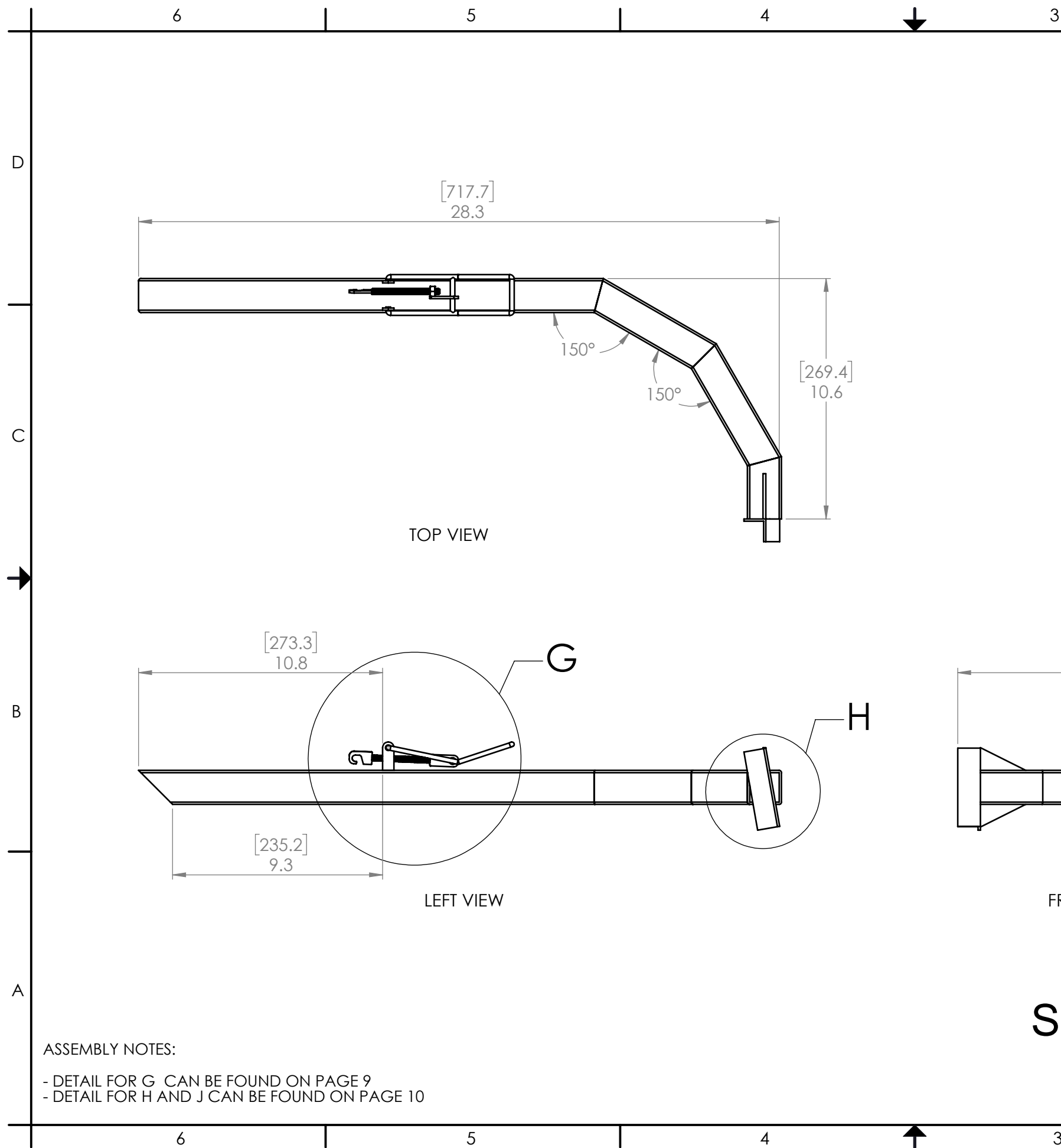
LEFT RECEIVER

SPECIAL NOTES:
 THE RECEIVER SHOW IN DRAWING IS DESIGN FOR THE RIGHT SIDE RECEIVER FOR CASTOR. THERE WILL BE A LEFT SIDE RECEIVER MADE AS WELL AND WILL BE MIRROR DESIGN TO THE RIGHT AS SHOW IN ASSEMBLY DRAWING ON PAGE 3.

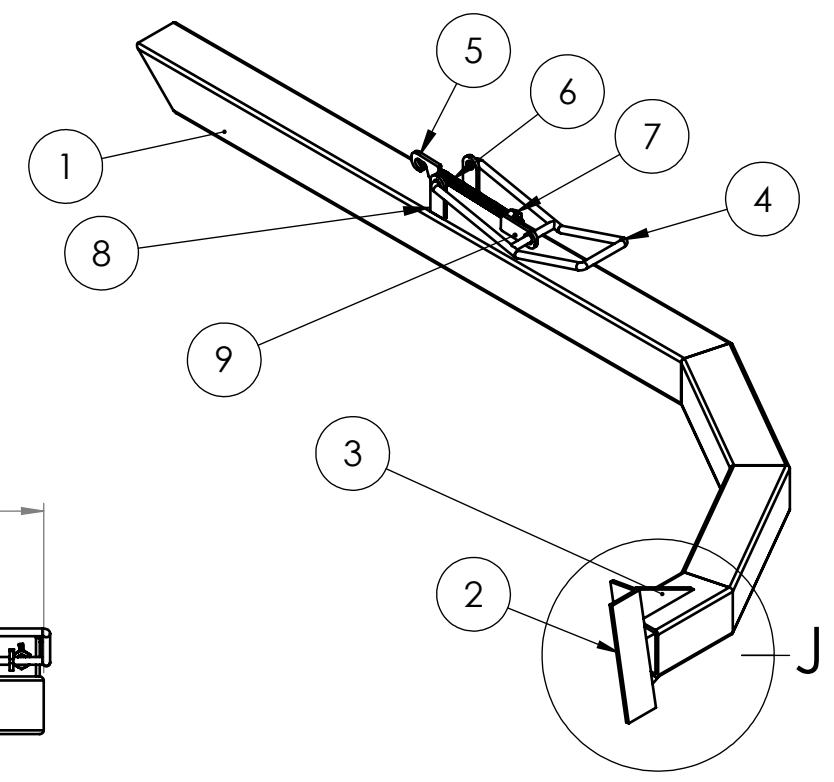
ASSEMBLY NOTES:
 - DEBURE AND BREAK ALL SHARP EDGES



 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA			
TITLE:	CASTOR RECEIVER	TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN:	SAMANTHA ASTLES	MATERIAL: STEEL	
CLIENT:	PROMOBILIA	CHECKED: BH	DATE: 17/06/19
DWG. #:	AAA-111	SCALE: 1:2	SHEET 8 OF 11
			8



PART NO.	PARTS	MATERIAL	QTY.
1	ARM	1 1/2 IN SQUARE STEEL TUBING (38.1 MM), DIA 1/4 IN WALL THICKNESS (6.3 MM))	1
2	FORK MOUNT	1 IN STEEL ANGLE BAR (25.4 MM)	1
3	GUSSET	3 GAUGE STEEL (6.3 MM)	2
4	LOCKING MECH. HANDLE	3 GAUGE STEEL ROD (6.3 MM)	1
5	MECH ATTACHIEMENT HOOK	11 GAUGE STEEL (3.7MM)	1
6	ADJUSTING FASTNER	4 IN GRADE 8 STEEL BOLT (101.6 MM)	1
7	ADJUSTING BOLT	GRADE 8 STEEL HEX NUT (3.7MM)	1
8	HANDLE SUPPORT HINGE	11 GAUGE STEEL (3.7MM)	2
9	HANDLE MECH PIVOT	11 GAUGE STEEL (3.7MM)	1

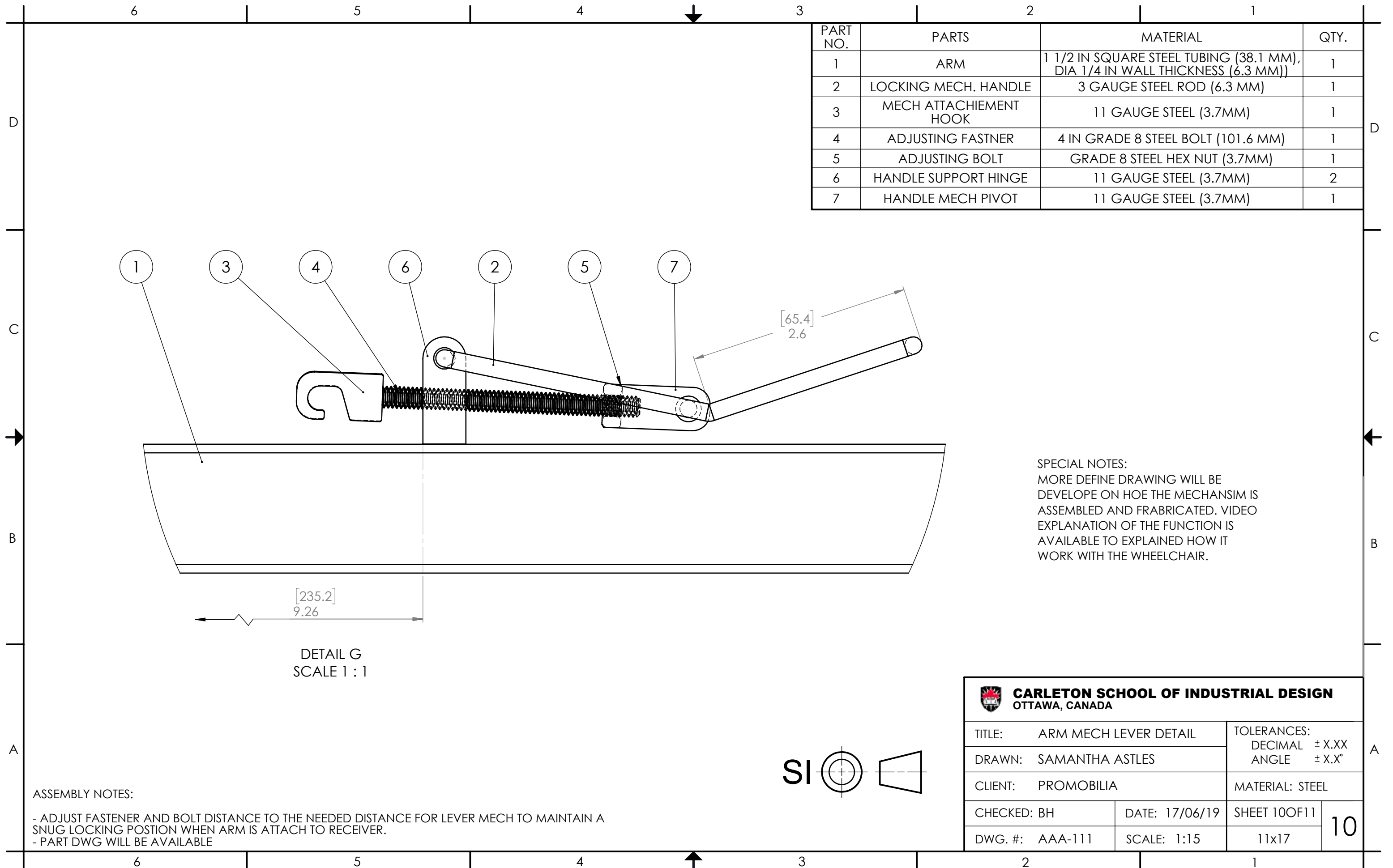


ASSEMBLY NOTES:

- DETAIL FOR G CAN BE FOUND ON PAGE 9
- DETAIL FOR H AND J CAN BE FOUND ON PAGE 10

CARLETON SCHOOL OF INDUSTRIAL DESIGN
OTTAWA, CANADA

TITLE: ARM	TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN: SAMANTHA ASTLES	MATERIAL: STEEL	
CLIENT: PROMOBILIA	DATE: 17/06/19	SHEET 9 OF 11
CHECKED: BH	SCALE: 1:15	11x17
DWG. #: AAA-111		9



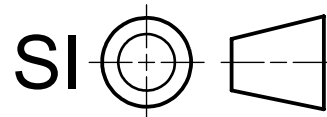
PART NO.	PARTS	MATERIAL	QTY.
1	ARM	1 1/2 IN SQUARE STEEL TUBING (38.1 MM), DIA 1/4 IN WALL THICKNESS (6.3 MM))	1
2	LOCKING MECH. HANDLE	3 GAUGE STEEL ROD (6.3 MM)	1
3	MECH ATTACHIEMENT HOOK	11 GAUGE STEEL (3.7MM)	1
4	ADJUSTING FASTNER	4 IN GRADE 8 STEEL BOLT (101.6 MM)	1
5	ADJUSTING BOLT	GRADE 8 STEEL HEX NUT (3.7MM)	1
6	HANDLE SUPPORT HINGE	11 GAUGE STEEL (3.7MM)	2
7	HANDLE MECH PIVOT	11 GAUGE STEEL (3.7MM)	1


SPECIAL NOTES:
 MORE DEFINE DRAWING WILL BE DEVELOPE ON HOE THE MECHANISM IS ASSEMBLED AND FRABRICATED. VIDEO EXPLANATION OF THE FUNCTION IS AVAILABLE TO EXPLAINED HOW IT WORK WITH THE WHEELCHAIR.

DETAIL G
 SCALE 1 : 1

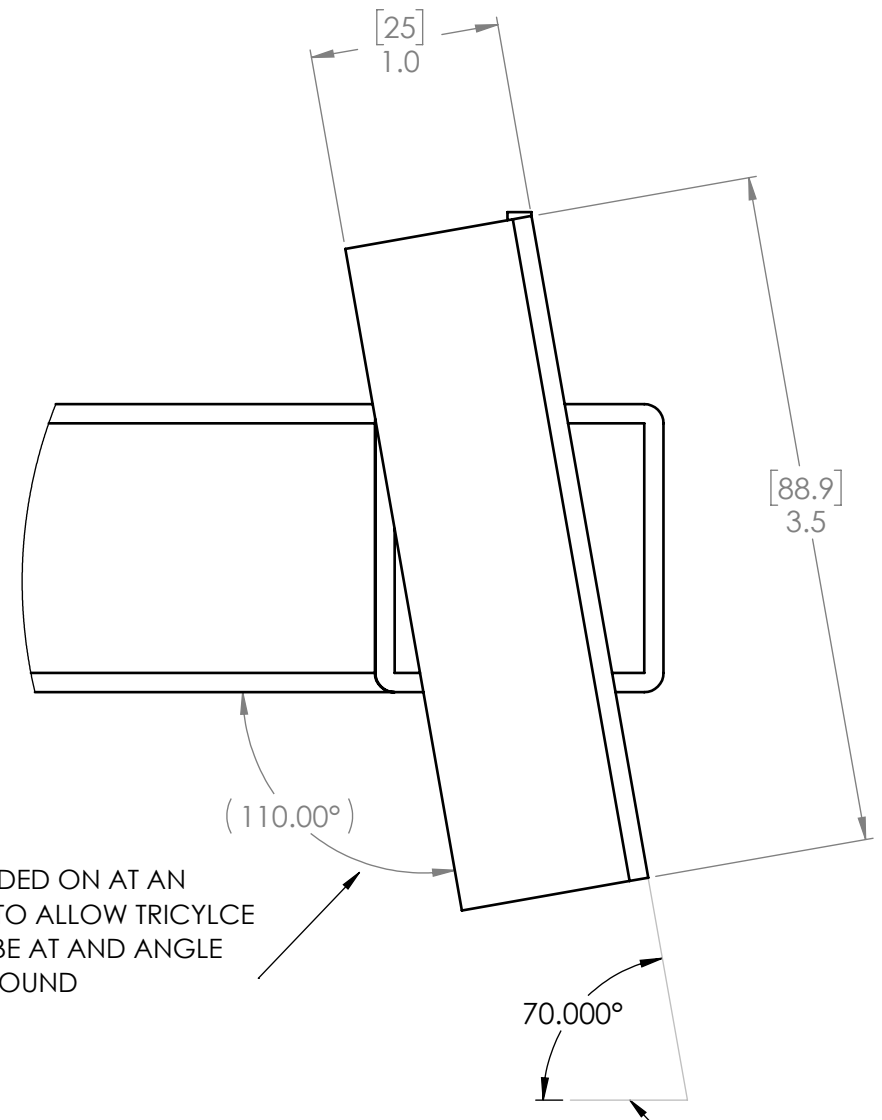
ASSEMBLY NOTES:

- ADJUST FASTENER AND BOLT DISTANCE TO THE NEEDED DISTANCE FOR LEVER MECH TO MAINTAIN A SNUG LOCKING POSTION WHEN ARM IS ATTACH TO RECEIVER.
- PART DWG WILL BE AVAILABLE



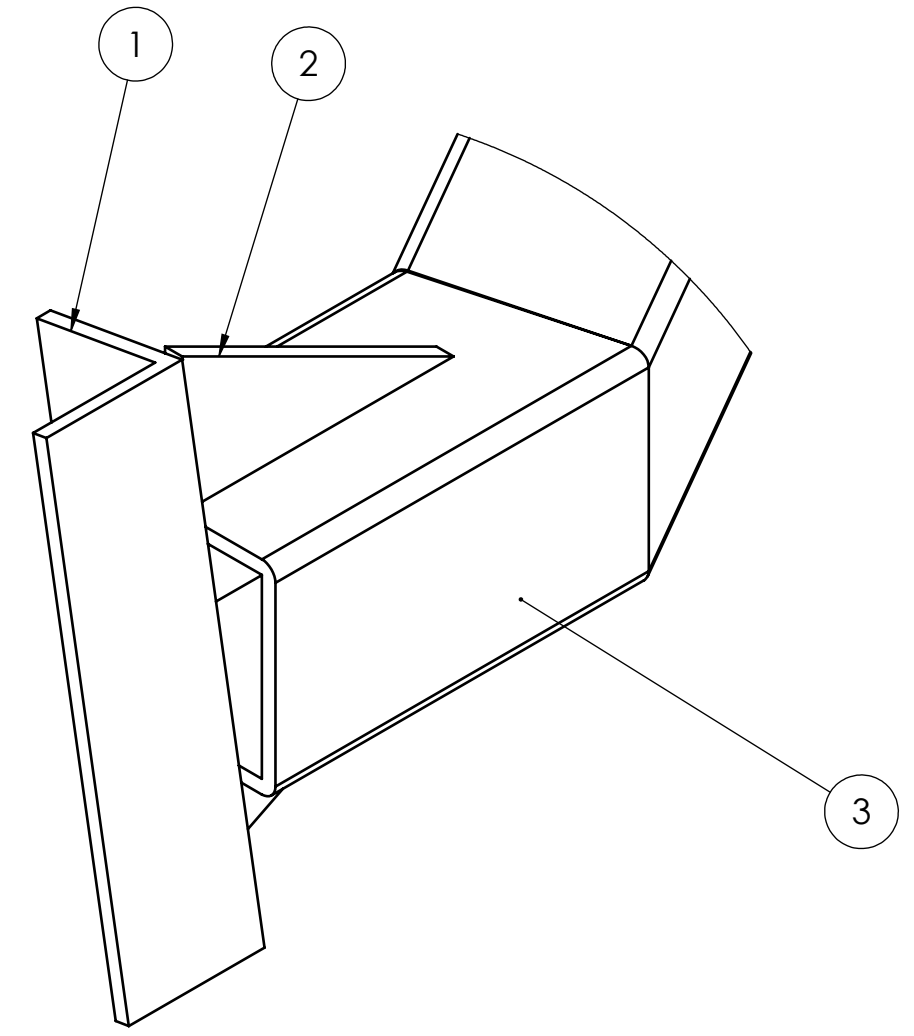
 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA			
TITLE: ARM MECH LEVER DETAIL		TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN: SAMANTHA ASTLES		MATERIAL: STEEL	
CLIENT: PROMOBILIA		CHECKED: BH	DATE: 17/06/19
DWG. #: AAA-111		SCALE: 1:15	SHEET 10OF11
			10

PART NO.	PARTS	MATERIAL	QTY.
1	FRONT FORK MOUNT	1 IN STEEL ANGLE BAR (25.4 MM)	1
2	GUSSET	3 GAUGE STEEL (6.3 MM)	2
3	ARM	1 1/2 IN SQUARE STEEL TUBING (38.1 MM), DIA 1/4 IN WALL THICKNESS (6.3 MM))	1

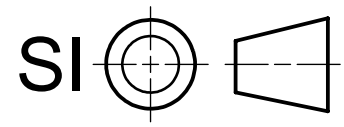



SPECIAL NOTES:
I BRACKET IS WELDED ON AT AN ANGLE OF 110° TO ALLOW TRICYLCE FRONT FORK TO BE AT AND ANGLE OF 70° FROM GROUND

DETAIL H
SCALE 1 : 1



DETAIL J
SCALE 1 : 1



 CARLETON SCHOOL OF INDUSTRIAL DESIGN OTTAWA, CANADA			
TITLE: ARM DETAIL		TOLERANCES: DECIMAL ± X.XX ANGLE ± X.X°	
DRAWN: SAMANTHA ASTLES		MATERIAL: STEEL	
CLIENT: PROMOBILIA		DATE: 17/06/19	SHEET 11 OF 11
CHECKED: BH	SCALE: 1:1	11x17	11
DWG. #: AAA-111			