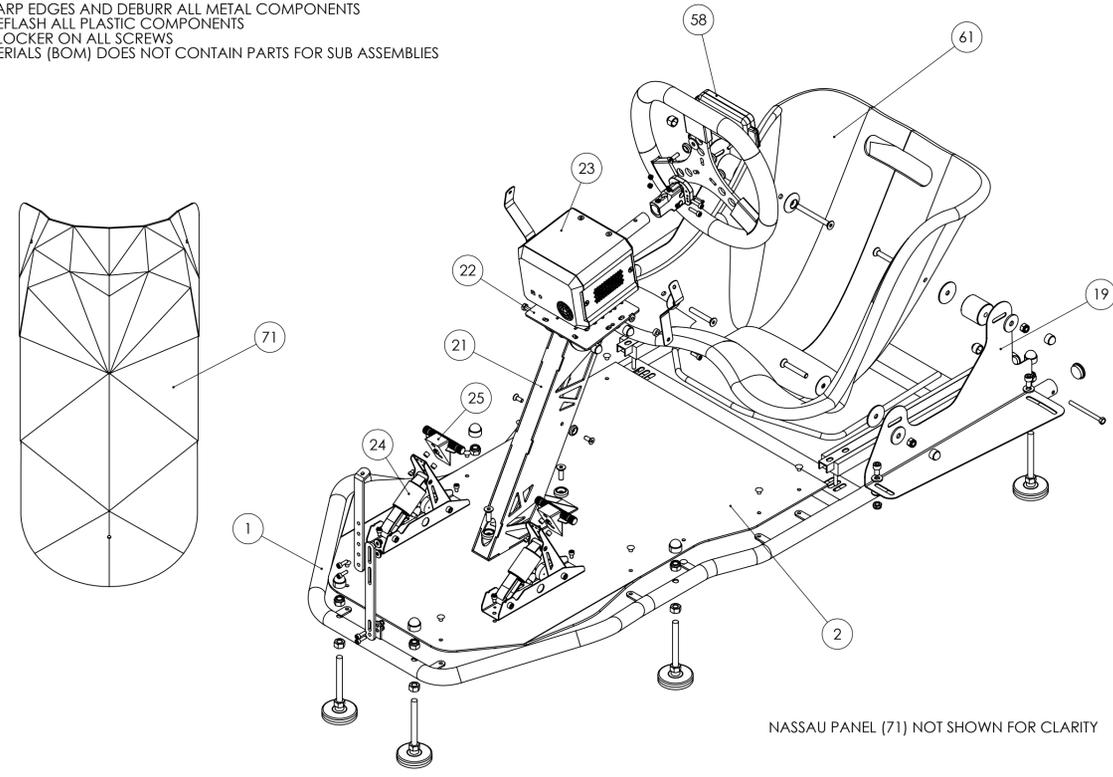
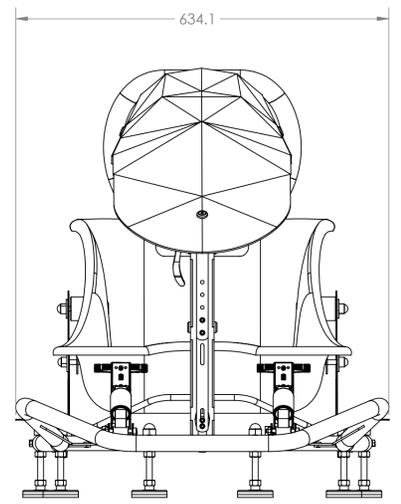
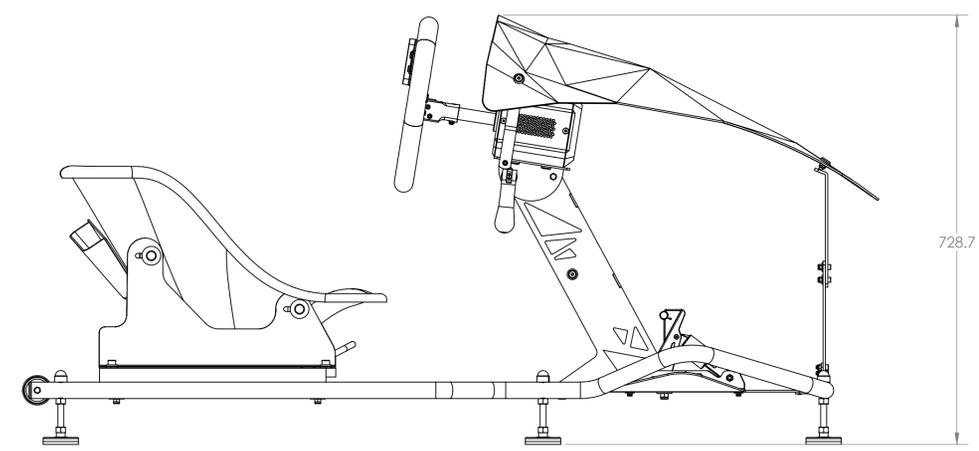
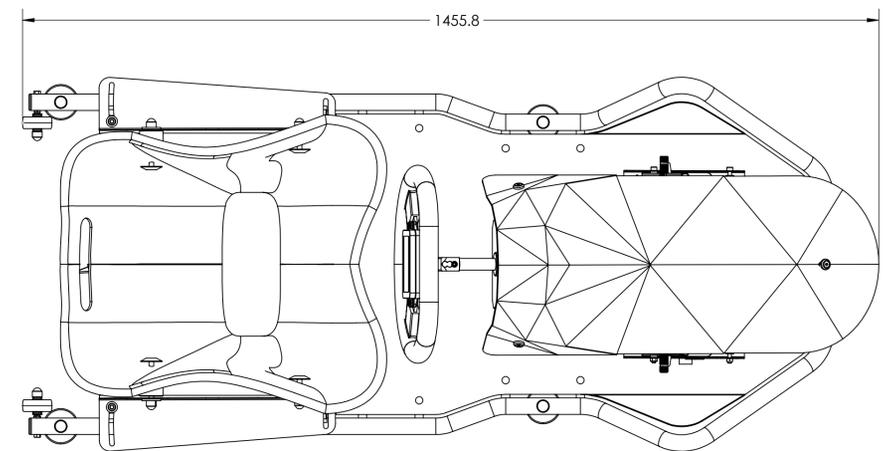


NOTES:
 1. REFER TO 3D FILES
 2. REMOVE SHARP EDGES AND DEBURR ALL METAL COMPONENTS
 3. TRIM AND DEFLASH ALL PLASTIC COMPONENTS
 4. USE THREADLOCKER ON ALL SCREWS
 5. BILL OF MATERIALS (BOM) DOES NOT CONTAIN PARTS FOR SUB ASSEMBLIES



NASSAU PANEL (71) NOT SHOWN FOR CLARITY

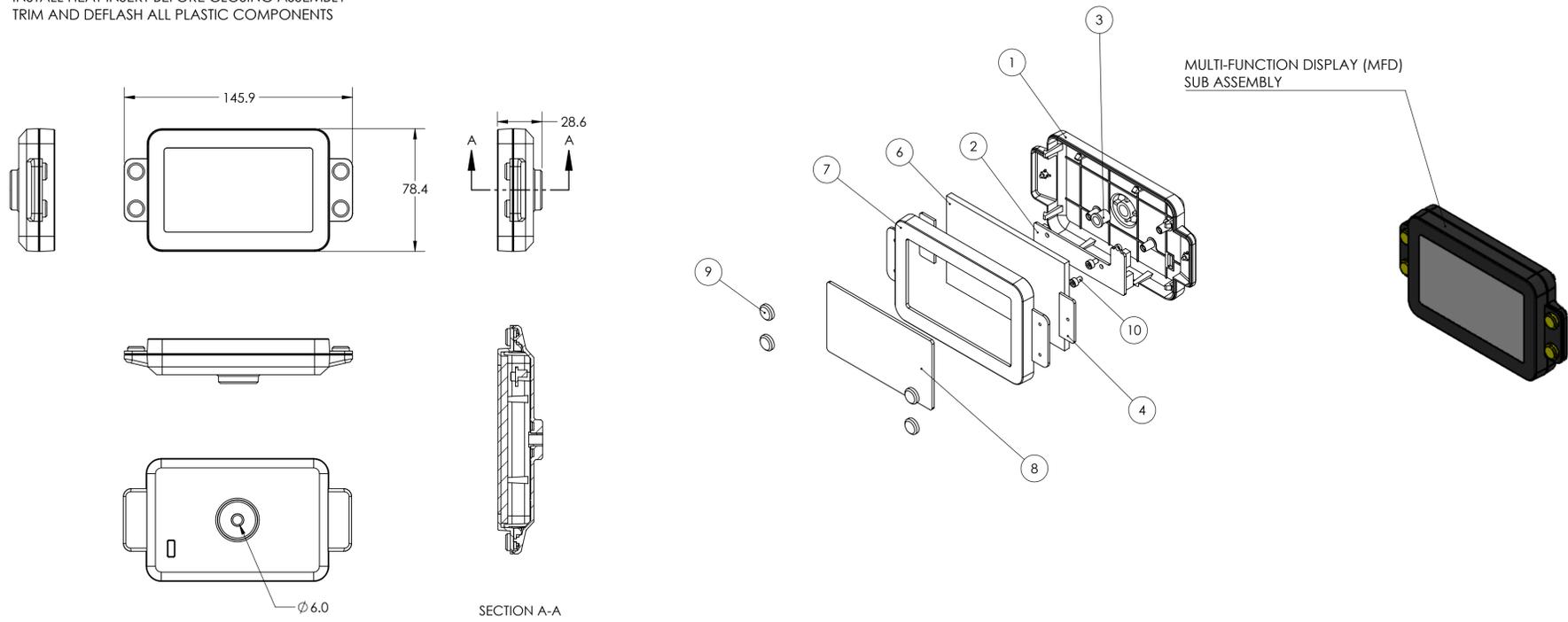


| ITEM NO. | PART NUMBER | DESCRIPTION | MATERIAL | QTY. |
|----------|---|------------------------------|------------------|------|
| 1 | FRAME COMPLETE | FRAME | MILD STEEL 15HR | 1 |
| 2 | FLOOR TRAY | FLOOR TRAY | ALUMINIUM 1050 | 1 |
| 3 | G8_RIVETS_ROUND_TY PE83 6X7 | FLAT ROUND HEAD RIVET | AS SUPPLIED | 10 |
| 4 | MACHINE FOOT | MACHINE FOOT | AS SUPPLIED | 6 |
| 5 | DIN EN ISO 10512 - M10x1.25 - N | NYLOC NUT | AS SUPPLIED | 6 |
| 6 | DIN EN ISO 10512 - M8x1 - N | NYLOC NUT | AS SUPPLIED | 2 |
| 7 | B18.2.4.2M - HEX NUT, STYLE 2, M10 X 1.5, WITH 16mm WAF --D-N | HEX NUT | AS SUPPLIED | 6 |
| 8 | M10 NUT COVER | PLASTIC NUT CAP | AS SUPPLIED | 6 |
| 9 | SEAT RUNNER | SEAT RUNNER | AS SUPPLIED | 2 |
| 10 | B18.3.4M - 6 x 1.0 x 45 SBHCS --N | SOCKET BUTTON HEAD CAP SCREW | AS SUPPLIED | 4 |
| 11 | B18.22M - PLAIN WASHER, 6 mm, WIDE | WIDE WASHER | AS SUPPLIED | 4 |
| 12 | B18.22M - PLAIN WASHER, 8 mm, WIDE | WIDE WASHER | AS SUPPLIED | 4 |
| 13 | DIN EN ISO 7040 - M6 - N | NYLOC NUT | AS SUPPLIED | 6 |
| 14 | DIN EN ISO 7040 - M5 - N | NYLOC NUT | AS SUPPLIED | 4 |
| 15 | DIN EN ISO 7040 - M8 - N | NYLOC NUT | AS SUPPLIED | 4 |
| 16 | B18.22M - PLAIN WASHER, 6 mm, REGULAR | WASHER | AS SUPPLIED | 4 |
| 17 | B18.22M - PLAIN WASHER, 5 mm, REGULAR | WASHER | AS SUPPLIED | 6 |
| 18 | B18.22M - PLAIN WASHER, 8 mm, REGULAR | WASHER | AS SUPPLIED | 2 |
| 19 | SEAT MOUNTING BRACKET LH | SEAT MOUNTING BRACKET | ALUMINIUM 1050 | 1 |
| 20 | SEAT MOUNTING BRACKET RH | SEAT MOUNTING BRACKET | ALUMINIUM 1050 | 1 |
| 21 | STEERING WHEEL STAND SUB ASSEMBLY | STEERING WHEEL STAND | N/A | 1 |
| 22 | WHEEL MOUNTING PLATE SUB ASSEMBLY | WHEEL MOUNTING PLATE | N/A | 1 |
| 23 | MOTOR UNIT SUB ASSEMBLY | MOTOR UNIT | N/A | 1 |
| 24 | PEDAL SUB ASSEMBLY | PEDALS | N/A | 2 |
| 25 | PEDAL GRIP | PEDAL FACE | PROMYDE BIO-PA-6 | 2 |
| 26 | M4 HEAT INSERT | HEAT INSERT | AS SUPPLIED | 4 |

| ITEM NO. | PART NUMBER | DESCRIPTION | MATERIAL | QTY. |
|----------|---|-------------------------|---|------|
| 27 | B18.3.1M - 4 X 0.7 X 6 HEX SHCS -- 6NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 4 |
| 28 | B18.3.1M - 5 X 0.8 X 16 HEX SHCS -- 16NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 6 |
| 29 | B18.3.1M - 8 X 1.25 X 14 HEX SHCS -- 14NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 4 |
| 30 | B18.3.1M - 5 X 0.8 X 30 HEX SHCS -- 22NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 1 |
| 31 | B18.3.1M - 5 X 0.8 X 20 HEX SHCS -- 20NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 2 |
| 32 | B18.3.1M - 2.5 X 0.45 X 20 HEX SHCS -- 20NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 1 |
| 33 | B18.3.1M - 5 X 0.8 X 8 HEX SHCS -- 8NHX | SOCKET HEAD CAP SCREW | AS SUPPLIED | 4 |
| 34 | M5X6 NYLON SPACER | SPACER | AS SUPPLIED | 2 |
| 35 | NASSAU PANEL MOUNTING BRACKET LOWER | NASSAU MOUNTING BRACKET | AS SUPPLIED | 1 |
| 36 | B18.22M - PLAIN WASHER, 8 mm, NARROW | NARROW WASHER | AS SUPPLIED | 4 |
| 37 | DIN EN ISO 10511 - M8 - N | LOW PROFILE NYLOC NUT | AS SUPPLIED | 6 |
| 38 | DIN EN ISO 10511 - M4 - N | LOW PROFILE NYLOC NUT | AS SUPPLIED | 5 |
| 39 | DIN EN ISO 10511 - M5 - N | LOW PROFILE NYLOC NUT | AS SUPPLIED | 5 |
| 40 | DIN EN ISO 10511 - M6 - N | LOW PROFILE NYLOC NUT | AS SUPPLIED | 7 |
| 41 | NASSAU PANEL MOUNTING BRACKET UPPER | NASSAU MOUNTING BRACKET | AS SUPPLIED | 1 |
| 42 | STEERING SHAFT | STEERING SHAFT | STAINLESS STEEL 304 | 1 |
| 43 | STEERING BOSS SUB ASSEMBLY | STEERING BOSS | AS SUPPLIED | 1 |
| 44 | STEERING WHEEL | STEERING WHEEL | AS SUPPLIED | 1 |
| 45 | M6 CSK WASHER | CSK WASHER | AS SUPPLIED | 9 |
| 46 | B18.3.5M - 4 X 0.7 X 20 SOCKET FCHS -- 20N | CSK SOCKET SCREW | AS SUPPLIED | 3 |
| 47 | B18.3.5M - 6 X 1.0 X 20 SOCKET FCHS -- 20N | CSK SOCKET SCREW | AS SUPPLIED | 4 |
| 48 | B18.3.5M - 8 X 1.25 X 25 SOCKET FCHS -- 25N | CSK SOCKET SCREW | AS SUPPLIED | 2 |
| 49 | B18.3.5M - 6 X 1.0 X 16 SOCKET FCHS -- 16N | CSK SOCKET SCREW | AS SUPPLIED | 2 |
| 50 | B18.3.5M - 8 X 1.25 X 55 SOCKET FCHS -- 28N | CSK SOCKET SCREW | AS SUPPLIED | 2 |
| 51 | B18.3.5M - 8 X 1.25 X 80 SOCKET FCHS -- 28N | CSK SOCKET SCREW | AS SUPPLIED | 2 |
| 52 | B18.3.5M - 5 X 0.8 X 12 SOCKET FCHS -- 12N | CSK SOCKET SCREW | AS SUPPLIED | 4 |
| 53 | WDS370-60850 | CAM LEVEL CLAMP | AS SUPPLIED | 1 |
| 54 | B18.6.7M - M6 X 1.0 X 55 INDENTED HHMS -- 38N | HEX SCREW | AS SUPPLIED | 1 |
| 55 | B18.6.7M - M6 X 1.0 X 75 INDENTED HHMS -- 75N | HEX SCREW | AS SUPPLIED | 2 |
| 56 | M8 NUT COVER | PLASTIC NUT CAP | AS SUPPLIED | 8 |
| 57 | NASSAU SIDE BRACKET | NASSAU MOUNTING BRACKET | STAINLESS 304 | 2 |
| 58 | MFD SUB ASSEMBLY | MFD | N/A | 1 |
| 59 | WASHER DIN 9021 - 7.4 | WASHER | AS SUPPLIED | 1 |
| 60 | M8 CSK WASHER | CSK WASHER | AS SUPPLIED | 2 |
| 61 | SEAT | FLAT BOTTOM SEAT | FIBRE GLASS | 1 |
| 62 | SEAT FITTING WASHER | WIDE WASHER | AS SUPPLIED | 4 |
| 63 | SEAT WASHER | WIDE WASHER | AS SUPPLIED | 4 |
| 64 | SEAT SPACER | SEAT SPACER | ALUMINIUM 1050 | 2 |
| 65 | KEYBOARD SLING | KEYBOARD SLING | ALCOM HM PP 1000 18038 (PROLYPROPELENE) | 1 |
| 66 | RUNNER HANDLE | SEAT ADJUSTMENT HANDLE | AS SUPPLIED | 1 |
| 67 | JIS B 1512-4 - 700616 - 10.SI.NC.10_68 | THRUST BEARING | AS SUPPLIED | 4 |
| 68 | M5 CSK WASHER | CSK WASHER | AS SUPPLIED | 4 |
| 69 | CASTOR | CASTOR WHEEL | AS SUPPLIED | 2 |
| 70 | TUBE END CAP | TUBE END CAP | AS SUPPLIED | 2 |
| 71 | NASSAU PANEL TESELATED | FRONT FAIRING | FIBRE GLASS | 1 |

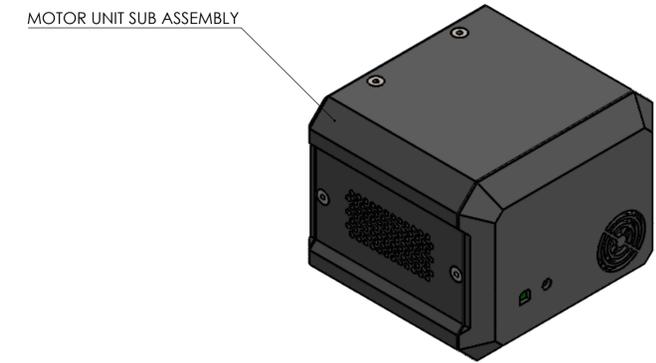
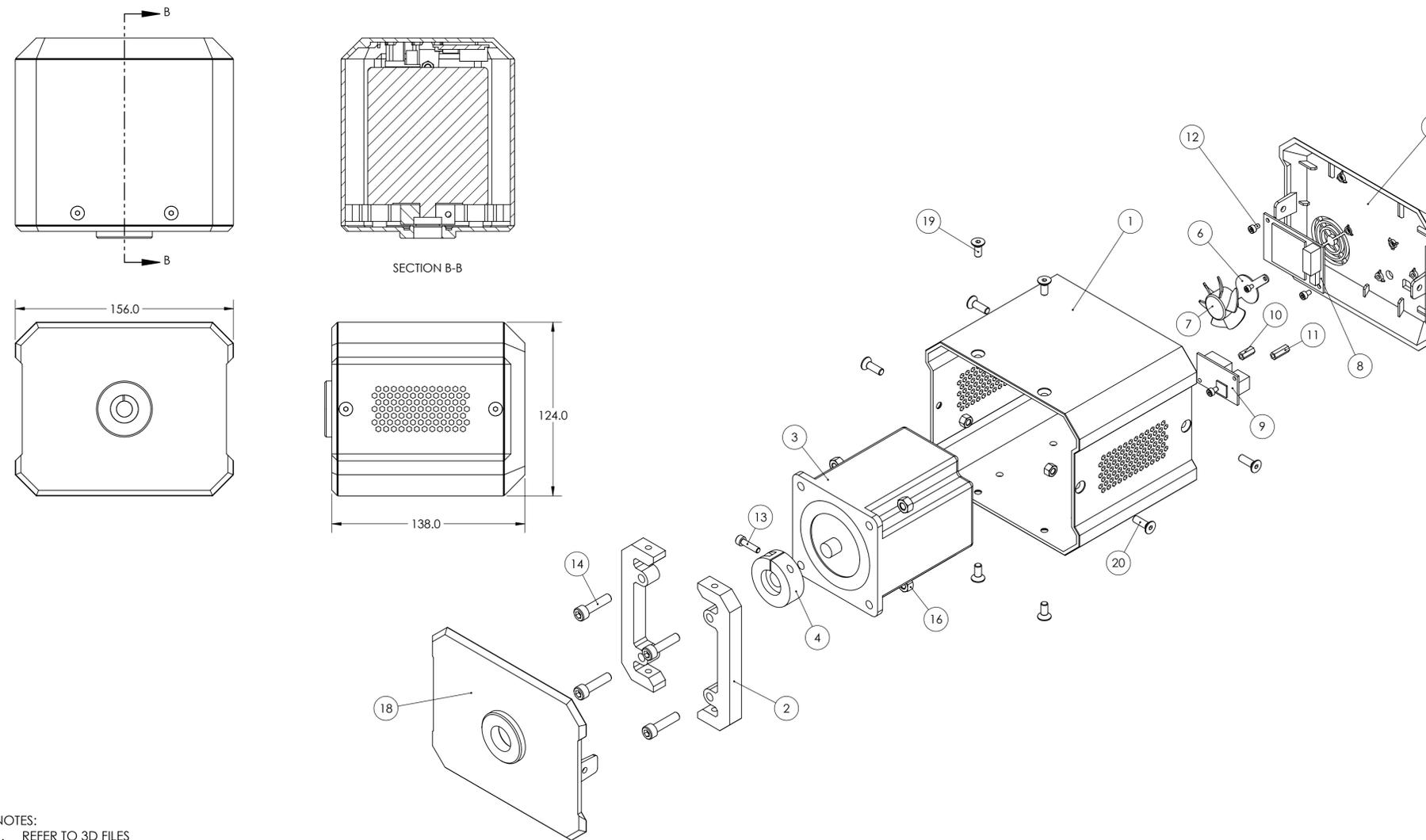
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|---|-----------|------------------|-------------------------------------|---------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: +/- 0.2MM | | FINISH: N/A | DO NOT SCALE DRAWING | REVISION 1 |
| DRAWN JOE SHADE | SIGNATURE | DATE 19/05/24 | TITLE GENERAL ARRANGEMENT | |
| CHKD | | | DWG NO. 1 | A1 |
| APPRD | | | SCALE:1:16 | |
| MFG | | | SHEET 1 OF 7 | |
| G.A. | | | | |

- NOTES:
 1. REFER TO 3D FILES
 2. APPLY THREADLOCKER ON ALL SCREWS
 3. ENSURE SCREWS ARE TIGHTENED EVENLY
 4. INSTALL HEAT INSERT BEFORE CLOSING ASSEMBLY
 5. TRIM AND DEFLASH ALL PLASTIC COMPONENTS



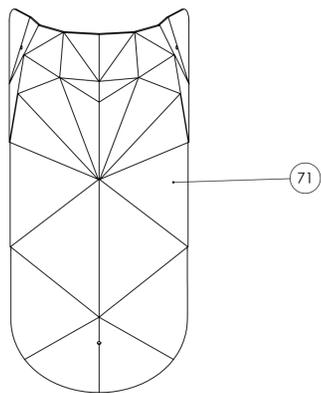
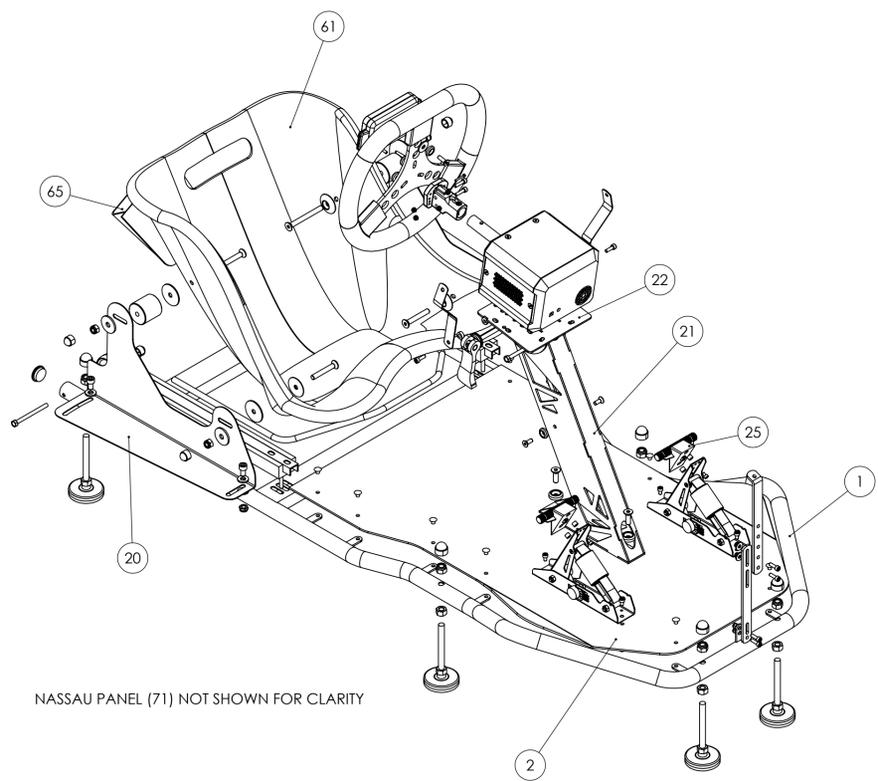
| ITEM NO. | PART NUMBER | DESCRIPTION | MATERIAL | QTY. |
|----------|---|--------------------------------------|--|------|
| 1 | MFD BACK CASING | BACK CASING | PROMYDE BIO PA-6 (NYLON) | 1 |
| 2 | MFD MAINBOARD | CONTROL PCB | AS SUPPLIED | 1 |
| 3 | MFD M6 INSERT | HEAT INSERT | AS SUPPLIED | 1 |
| 4 | MFD BUTTON DAUGHTERBOARD LH | PCB LAYER MEMBRANE SWITCH LEFT HALF | AS SUPPLIED | 1 |
| 5 | MFD BUTTON DAUGHTERBOARD RH | PCB LAYER MEMBRANE SWITCH RIGHT HALF | AS SUPPLIED | 1 |
| 6 | MFD DISPLAY | TN PANEL TOUCH SCREEN | AS SUPPLIED | 1 |
| 7 | MFD FRONT CASING | FRONT CASING | PROMYDE BIO PA-6 (NYLON) | 1 |
| 8 | MFD SCREEN COVER | SCREEN COVER | ALCOM LD2 PC 1000 17150 UV GY2240-08 (POLYCARBONATE) | 1 |
| 9 | MFD PUSH BUTTON | NAVIGATION BUTTONS | PROMYDE BIO PA-6 (NYLON) | 4 |
| 10 | B18.3.1M - 3 x 0.5 x 5 Hex SHCS -- 5NHX | HEX HEAD CAP SCREW | ZINC COATED | 3 |

| ITEM NO. | PART NUMBER | DESCRIPTION | MATERIAL | QTY. |
|----------|---|------------------------------|--------------------------|------|
| 1 | MU MAIN CASING | EXTRUDED CASING | ALUMINIUM 1050 | 1 |
| 2 | MU MOTOR MOUNTING ARM | MOTOR MOUNTING ARM | ALUMINIUM 1050 | 2 |
| 3 | MU SERVO MOTOR | SERVO MOTOR | AS SUPPLIED | 1 |
| 4 | MU STEERING COLUMN COUPLING | STEERING COLUMN COUPLING | ALUMINIUM 1050 | 1 |
| 5 | MU BACK CASING | BACK CASING | PROMYDE BIO PA-6 (NYLON) | 1 |
| 6 | MU COOLING FAN BRACKET | COOLING FAN MOUNTING BRACKET | PROMYDE BIO PA-6 (NYLON) | 1 |
| 7 | MU COOLING FAN | COOLING FAN | AS SUPPLIED | 1 |
| 8 | MU CONTROL BOARD | MOTOR DRIVER BOARD | AS SUPPLIED | 1 |
| 9 | MU MAINBOARD | POWER / SIGNAL PROCESSING | AS SUPPLIED | 1 |
| 10 | MU M3X11 HEX STANDOFF | PCB MOUNTING STANDOFF | AS SUPPLIED | 1 |
| 11 | MU M3X14 HEX STANDOFF | PCB MOUNTING STANDOFF | AS SUPPLIED | 1 |
| 12 | B18.3.1M - 3 x 0.5 x 5 Hex SHCS -- 5NHX | HEX HEAD CAP SCREW | ZINC COATED | 4 |
| 13 | B18.3.1M - 2.5 x 0.45 x 4 Hex SHCS -- 4NHX | HEX HEAD CAP SCREW | ZINC COATED | 2 |
| 14 | B18.3.1M - 6 x 1.0 x 25 Hex SHCS -- 25NHX | HEX HEAD CAP SCREW | ZINC COATED | 4 |
| 15 | B18.3.1M - 4 x 0.7 x 16 Hex SHCS -- 16NHX | HEX HEAD CAP SCREW | ZINC COATED | 1 |
| 16 | B18.2.4.2M - Hex nut, Style 2, M6 x 1 -D-N | NYLOC NUT | AS SUPPLIED | 4 |
| 17 | B18.2.4.2M - Hex nut, Style 2, M5 x 0.8 --D-N | NYLOC NUT | AS SUPPLIED | 4 |
| 18 | MU FRONT CASING | FRONT CASING | PROMYDE BIO-PA-6 (NYLON) | 1 |
| 19 | B18.3.5M - 5 x 0.8 x 12 Socket FCHS -- 12N | CSK HEX SCREW | ZINC COATED | 4 |
| 20 | B18.3.5M - 5 x 0.8 x 16 Socket FCHS -- 16N | CSK HEX SCREW | ZINC COATED | 4 |



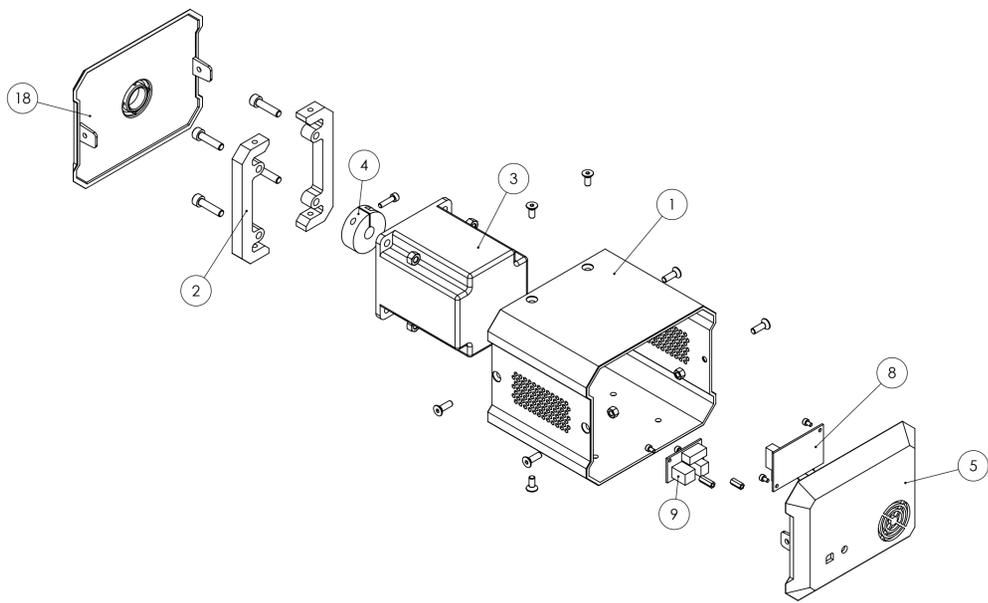
- NOTES:
 1. REFER TO 3D FILES
 2. APPLY THREADLOCKER ON ALL SCREWS
 3. ENSURE SCREWS ARE TIGHTENED EVENLY
 4. TRIM AND DEFLASH ALL PLASTIC COMPONENTS
 5. ENSURE COUPLING SCREW IS DONE UP TIGHT

| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | FINISH: | DO NOT SCALE DRAWING | | REVISION |
|--|-----------|----------|----------------------------|----------------------|--|----------|
| TOLERANCES: +/- 0.2MM | | | N/A | | | 1 |
| NAME | SIGNATURE | DATE | TITLE: | | | |
| DRAWN: JOE SHADE | | 17/05/24 | ELECTRONICS SUB ASSEMBLIES | | | |
| CHKD: | | | DWG NO. 2 | | | |
| APP'VD: | | | SCALE: 1:1 | | | |
| MFG: | | | SHEET 2 OF 7 | | | |
| G.A. | | | | | | |



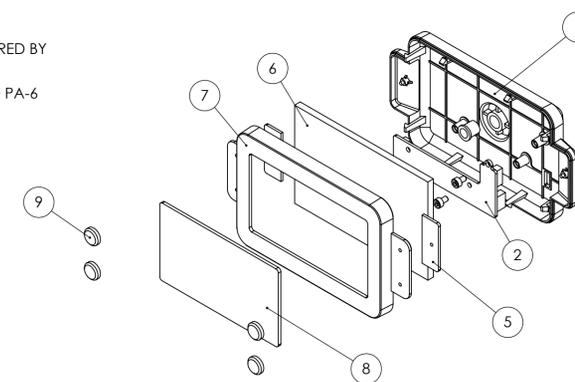
- ① FRAME
PART TO BE CNC BENT AND MIG WELDED
MATERIAL: MILD STEEL 15HR
FINISH: REMOVE SPLATTER BUT OTHERWISE LEAVE WELDS RAW
SAND BLAST ISO SA 2
- ② FLOOR TRAY
PART TO BE MANUFACTURED BY LASER CUTTING AND CNC FOLDING
MATERIAL: 3MM ALUMINIUM 1050 SHEET
FINISH: SAND BLAST ISO SA 2
- ②① STEERING WHEEL STAND
COMPONENT TO BE MANUFACTURED BY CNC LASER CUTTING AND MIG WELDING
MATERIAL: 3MM MILD STEEL 15HR SHEET
FINISH: FLATTEN WELDS SAND BLAST ISO SA 2
- ②② WHEEL MOUNTING PLATE
COMPONENT TO BE MANUFACTURED BY CNC LASER CUTTING AND MIG WELDING
MATERIAL: 3MM MILD STEEL 15HR SHEET
FINISH: FLATTEN WELDS SAND BLAST ISO SA 2
- ②⑤ SEAT MOUNTING BRACKET
COMPONENT HAS A LEFT AND RIGHT HANDED VERSION
PART TO BE MANUFACTURED BY LASER CUTTING AND CNC FOLDING
MATERIAL: 1.5MM ALUMINIUM 1050 SHEET
FINISH: SAND BLAST ISO SA 2
- ②⑥ PEDAL GRIP
PART TO BE MANUFACTURED THROUGH INJECTION MOLDING
MATERIAL: PROMYDE BIO PA-6 (NYLON)
FINISH: SPI-C2
- ⑥① SEAT
PART TO BE MANUFACTURED THROUGH COMPOSITE LAY UP
MATERIAL: R-GLASS FIBRE
FINISH: LACQUER
- ⑥⑤ KEYBOARD SLING
PART TO BE MANUFACTURED THROUGH INJECTION MOLDING
MATERIAL: ALCOM HM PP 1000 18038 (PROLYPROPELENE)
FINISH: SPI-A3
- ⑦① NASSAU PANEL
PART TO BE MANUFACTURED THROUGH COMPOSITE LAY UP
MATERIAL: R-GLASS FIBRE
FINISH: LACQUER

GENERAL ARRANGEMENT
SCALE 1:6



- ① MAIN CASING
PART TO BE MANUFACTURED BY EXTRUSION AND CNC MILLING
MATERIAL: ALUMINIUM 1050
FINISH: SAND BLAST ISO SA 2
- ② MOTOR MOUNTING ARM
PART TO BE MANUFACTURED BY CNC MILLING
MATERIAL: ALUMINIUM 1050
FINISH: STANDARD NO MACHINE MARK
- ③ SERVO MOTOR
AS SUPPLIED
- ④ STEERING COLUMN COUPLING
MATERIAL: ALUMINIUM 1050
FINISH: STANDARD NO MACHINE MARK
- ⑤ BACK CASING
PART TO BE MANUFACTURED THROUGH INJECTION MOLDING
MATERIAL: PROMYDE BIO PA-6 (NYLON)
FINISH: SPI-B1
- ⑧ CONTROL BOARD PCB
AS SUPPLIED
- ⑨ MAINBOARD PCB
- ⑱ FRONT CASING
PART TO BE MANUFACTURED THROUGH INJECTION MOLDING
MATERIAL: PROMYDE BIO PA-6 (NYLON)
FINISH: SPI-B1
- ① BACK CASING
PART TO BE MANUFACTURED BY INJECTION MOLDING
MATERIAL: PROMYDE BIO PA-6
FINISH: SPI-B1
- ① MAINBOARD PCB
AS SUPPLIED
- ⑤ BUTTON DAUGHTERBOARD
COMPONENT HAS A LEFT AND RIGHT HANDED VERSION
AS SUPPLIED
- ⑥ DISPLAY
SANTEK ST0430E3WY-RSLW-F
AS SUPPLIED
- ⑦ FRONT CASING
PART TO BE MANUFACTURED BY INJECTION MOLDING
MATERIAL: PROMYDE BIO PA-6
FINISH: SPI-B1
- ⑧ SCREEN COVER
PART TO BE MANUFACTURED BY INJECTION MOLDING
PART TO BE MOLDED INTO FRONT CASING AS A DOUBLE SHOT MOLDING
MATERIAL: ALCOM LD2 PC 1000 17150 UV GY2240-08 (POLYCARBONATE)
FINISH: SPI-A2
- ⑨ PUSH BUTTON
PART TO BE MANUFACTURED BY INJECTION MOLDING
MATERIAL: PROMYDE BIO PA-6
FINISH: SPI-B1

MULTI-FUNCTION DISPLAY (MFD)
SCALE 1:2



PROPOSED LINE OF DRAW

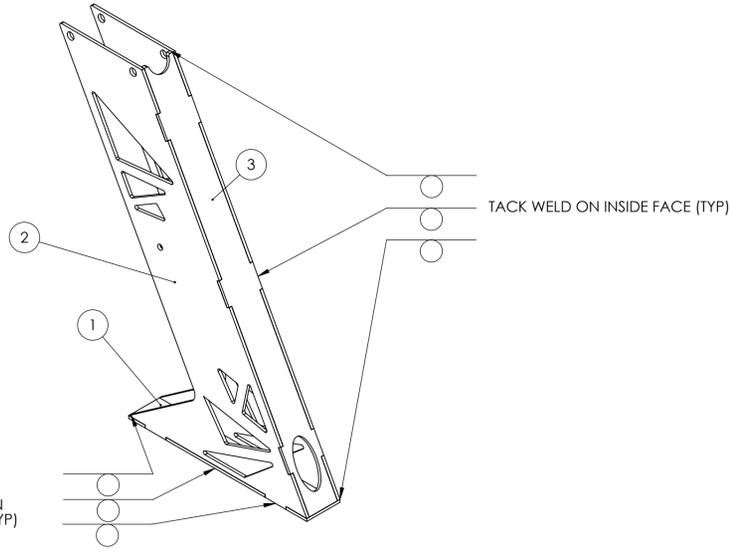
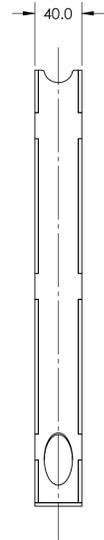
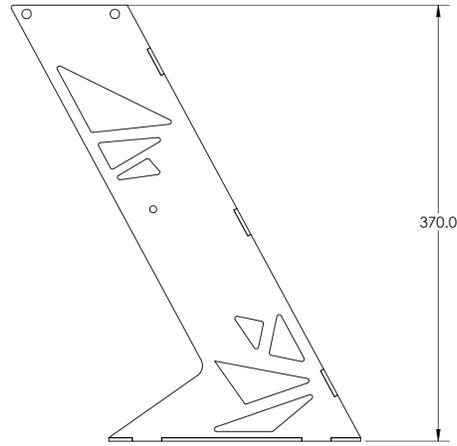
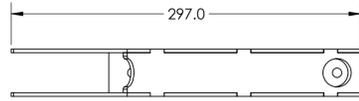


MOTOR UNIT
SCALE 1:3

| | | | | |
|--|-----------|----------------|---------------------------|---------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ±0.2mm | | FINISH: N/A | DO NOT SCALE DRAWING | REVISION 1 |
| NAME | SIGNATURE | DATE | TITLE ID SPECIFICATION | |
| DRAWN JOE SHADE | | 20/05/24 | | |
| CHKD | | | | |
| APPVD | | | | |
| MFG | | | | |
| G.A. | | | | |
| MATERIAL: N/A | | DWG NO. 3 | A1 | |
| WEIGHT: | | SCALE:1:6 | SHEET 3 OF 7 | |

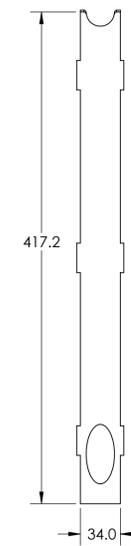
- NOTES:
- ENSURE FINISHED ASSEMBLY IS SQUARE
 - FLATTEN WELDS
 - USE SLOTS AND TABS TO LOCATE PARTS
 - SAND BLAST AFTER ASSEMBLY

| ITEM NO. | PART NUMBER | MATERIAL | QTY. |
|----------|----------------------------------|---------------------------|------|
| 1 | STEERING WHEEL STAND BASE PLATE | 3MM MILD STEEL 15HR SHEET | 1 |
| 2 | STEERING WHEEL STAND SIDE PANEL | 3MM MILD STEEL 15HR SHEET | 2 |
| 3 | STEERING WHEEL STAND FRONT PANEL | 3MM MILD STEEL 15HR SHEET | 1 |
| 4 | STEERING WHEEL STAND SPACER | ALUMINIUM 1050 | 1 |



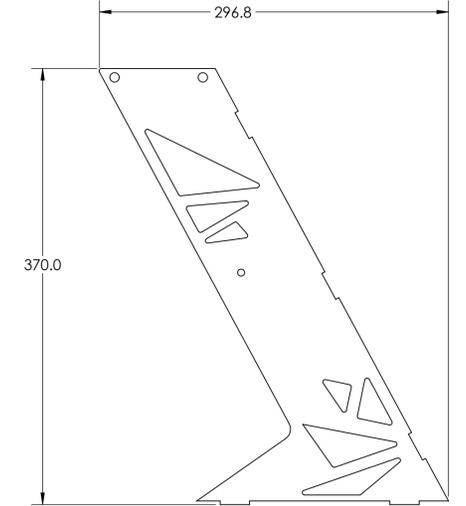
STEERING WHEEL STAND
SCALE 1:3

③ CUT TO STEERING_WHEEL_STAND_FRONT_PANEL.DXF



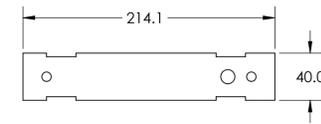
SCALE 1:3

② CUT TO STEERING_WHEEL_STAND_SIDE_PANEL.DXF



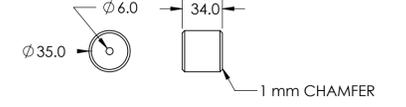
SCALE 1:3

① CUT TO STEERING_WHEEL_STAND_BASE_PLATE.DXF



SCALE 1:3

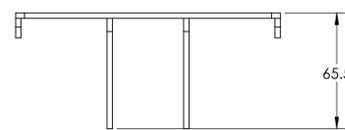
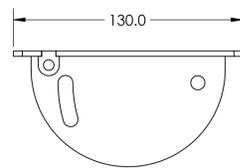
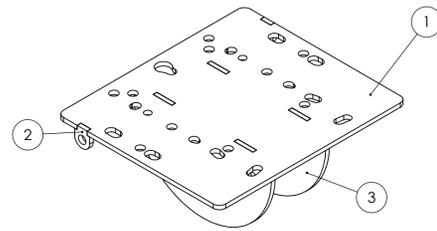
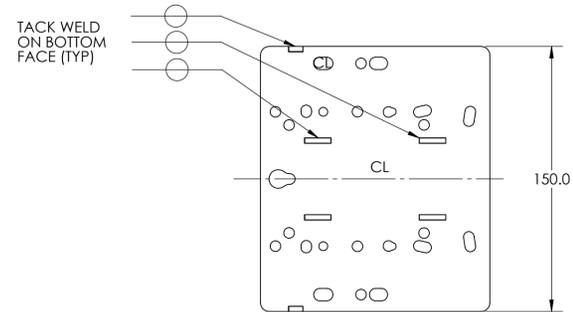
④ REFER TO 3D FILES



SCALE 1:3

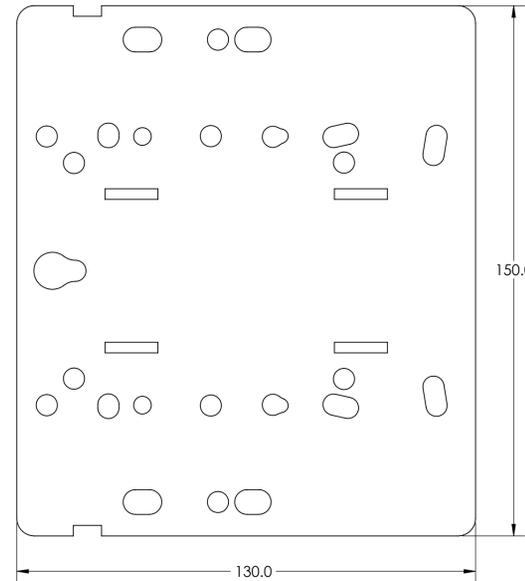
- NOTES:
- COMPONENT IS SYMMETRICAL ABOUT CENTRE LINE
 - ENSURE FINISHED ASSEMBLY IS SQUARE
 - FLATTEN WELDS
 - USE SLOTS AND TABS TO LOCATE PARTS
 - SAND BLAST AFTER ASSEMBLY

| ITEM NO. | PART NUMBER | MATERIAL | QTY. |
|----------|--------------------------------------|---------------------------|------|
| 1 | STEERING WHEEL PLATE | 3MM MILD STEEL 15HR SHEET | 1 |
| 2 | NASSAU MOUNTING TAB | 3MM MILD STEEL 15HR SHEET | 2 |
| 3 | WHEEL PLATE ANGLE ADJUSTMENT BRACKET | 3MM MILD STEEL 15HR SHEET | 2 |



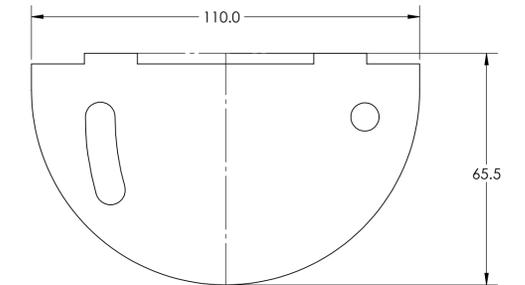
STEERING WHEEL MOUNTING PLATE
SCALE 1:2

① CUT TO STEERING_WHEEL_PLATE.DXF



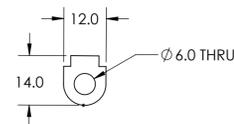
SCALE 1:1

③ CUT TO WHEEL_PLATE_ADJUSTMENT_BRACKET.DXF



SCALE 1:1

② CUT TO NASSAU_MOUNTING_TAB.DXF

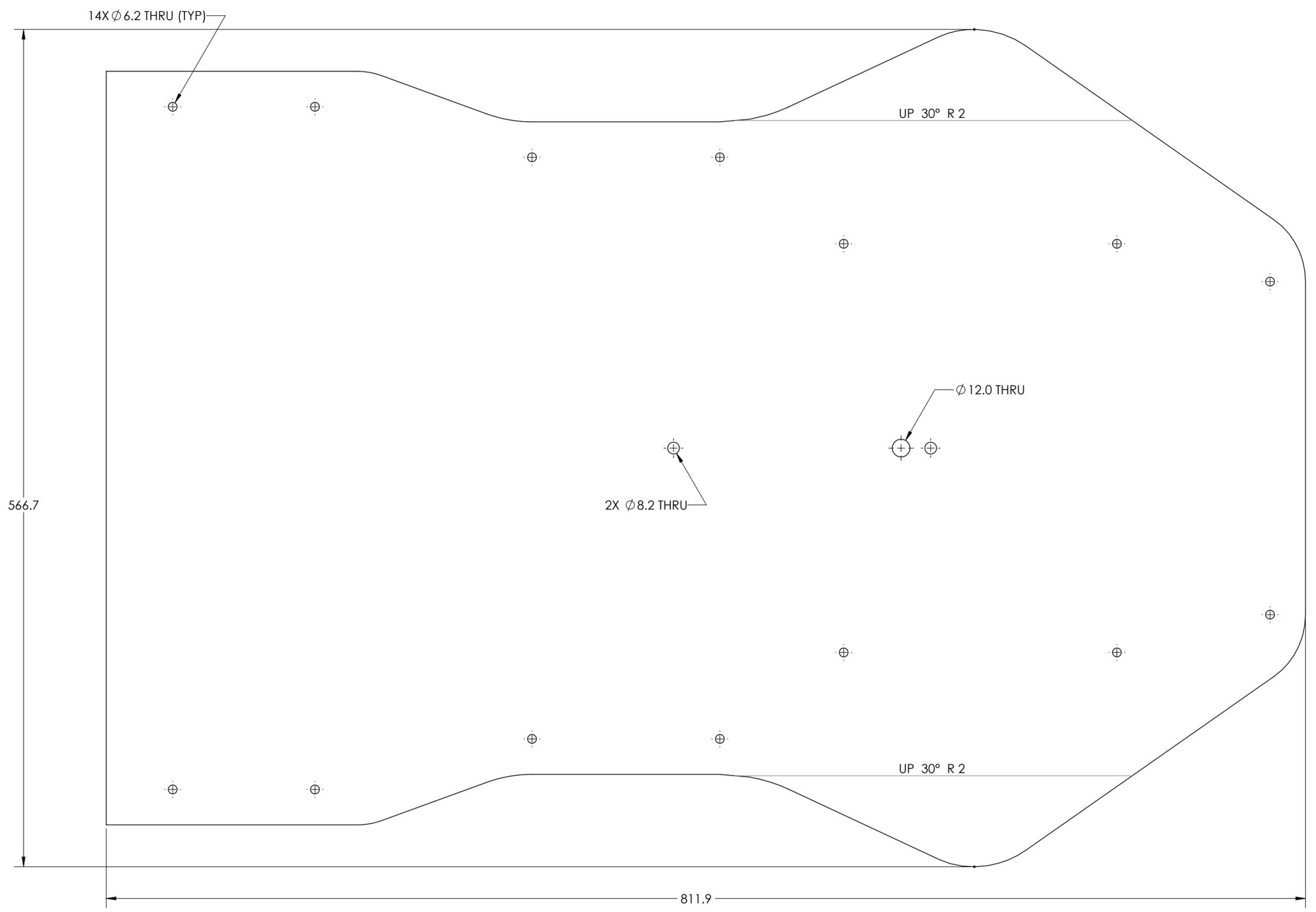


SCALE 1:1

| | | | | | | |
|--|-----------|---------------------------------|--------------------------------------|----------------------|----------|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ±0.2mm | | FINISH: SPRAY PAINT RAL 9005 | DEBURR AND BREAK SHARP EDGES | DO NOT SCALE DRAWING | REVISION | 1 |
| NAME | SIGNATURE | DATE | TITLE STEERING WHEEL STAND | | | |
| DRAWN JOE SHADE | | 20/05/24 | DWG NO. 4 | | | |
| CHKD | | | SCALE: 1:3 | | | |
| APPVD | | | SHEET 4 OF 7 | | | |
| MFG | | | MATERIAL: MILD STEEL 15HR | | | |
| G.A. | | | WEIGHT: | | | |

12 11 10 9 8 7 6 5 4 3 2 1

- NOTES:
1. CUT TO FLOOR_TRAY.DXF
 2. SAND BLAST ISO SA 2
 3. HOLES TOLERANCED FOR M6 / M8 HARDWARE RESPECTIVELY



| | | | | | | | | | | | |
|---|--|-----------|--|---------------------------------|--|------------------------------------|--|----------------------|--|--------------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: SAND BLAST ISO SA 2 TOLERANCES: ±0.2mm | | | | FINISH: SPRAY PAINT RAL 9005 | | DEBURR AND BREAK SHARP EDGES | | DO NOT SCALE DRAWING | | REVISION 1 | |
| TITLE: FLOORRY TRAY | | | | | | | | DWG NO. 5 | | A2 | |
| MATERIAL: ALUMINIUM 1050H14 | | | | | | | | SCALE:1:3 | | SHEET 5 OF 7 | |
| DRAWN JOE SHADE | | SIGNATURE | | DATE 20/05/24 | | WEIGHT: | | | | | |
| CHK'D | | | | | | | | | | | |
| APPV'D | | | | | | | | | | | |
| MFG | | | | | | | | | | | |
| Q.A | | | | | | | | | | | |

12 11 10 9 8 7 6 5 4 3 2 1

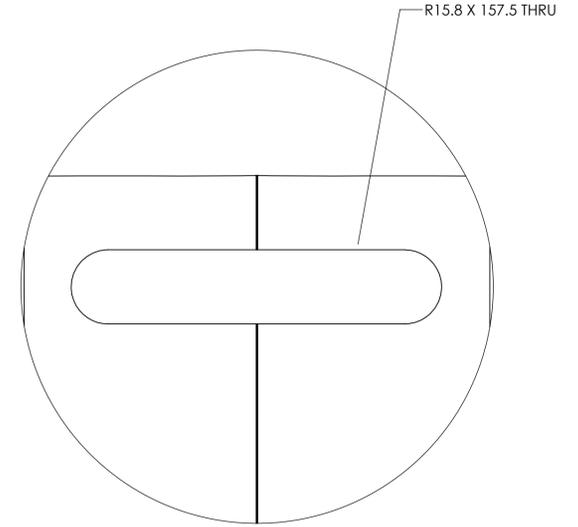
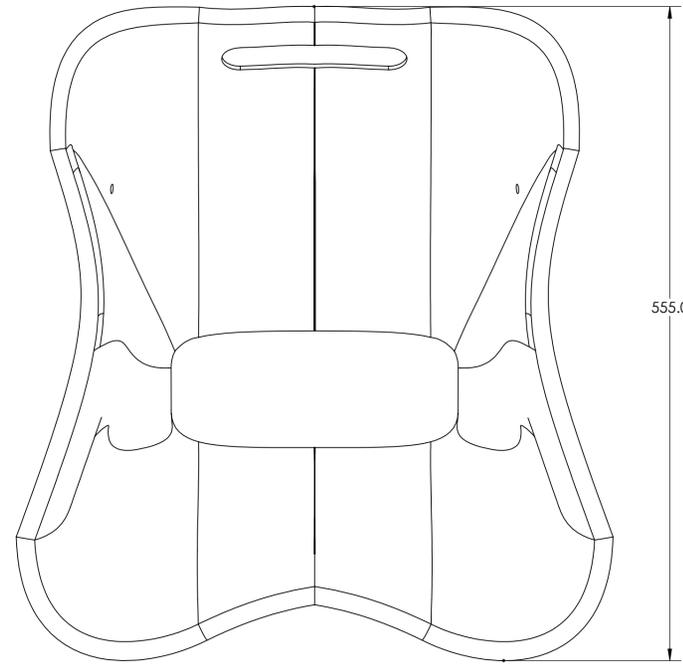
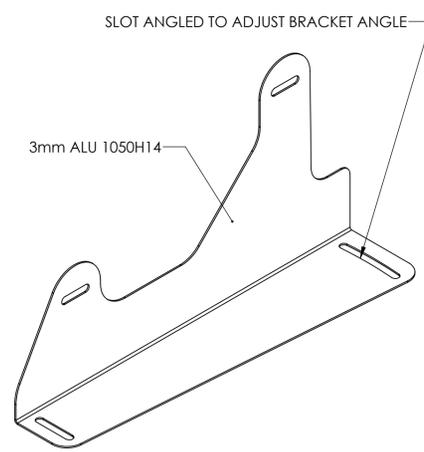
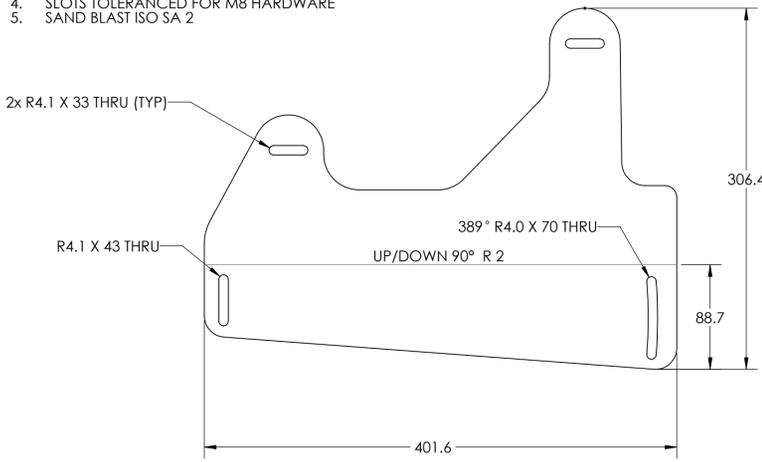
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

M

- NOTES:
 1. COMPONENT HAS A RIGHT AND LEFT HANDED VERSION
 2. BEND UP FOR LH / DOWN FOR RH
 3. CUT TO SEAT_MOUNTING_BRACKET.DXF
 4. SLOTS TOLERANCED FOR M8 HARDWARE
 5. SAND BLAST ISO SA 2

SEAT MOUNTING BRACKET
SCALE 1:3

SEAT
SCALE 1:3



DETAIL J
SCALE 2:3

J

H

G

F

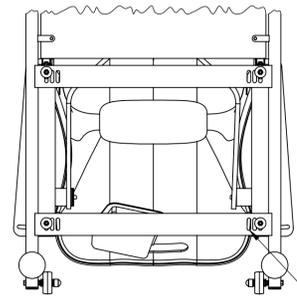
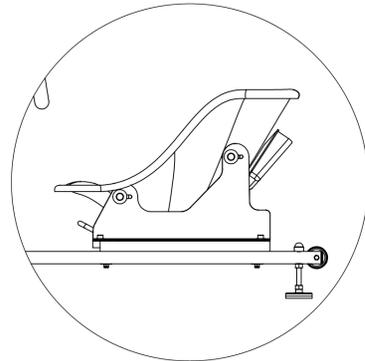
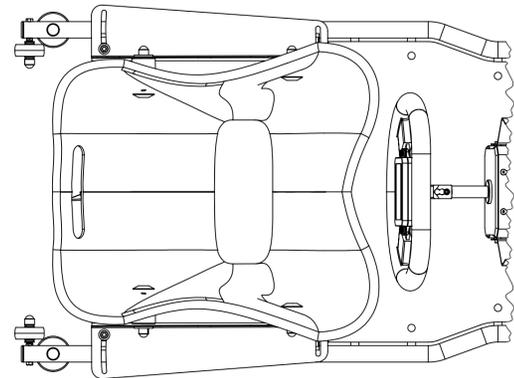
E

D

C

B

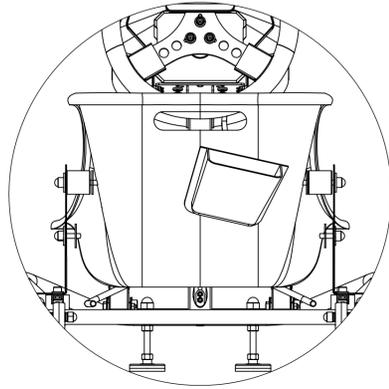
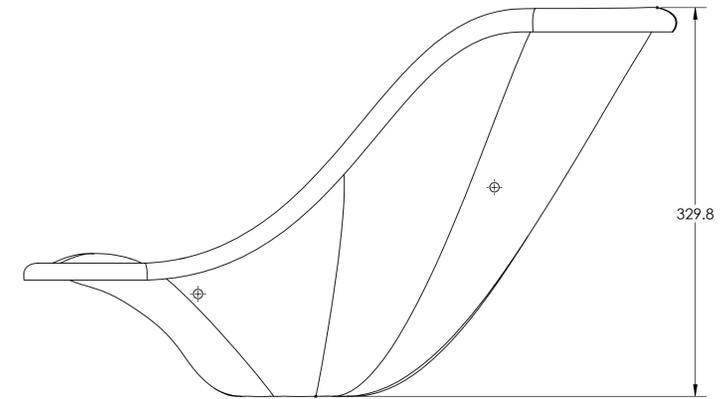
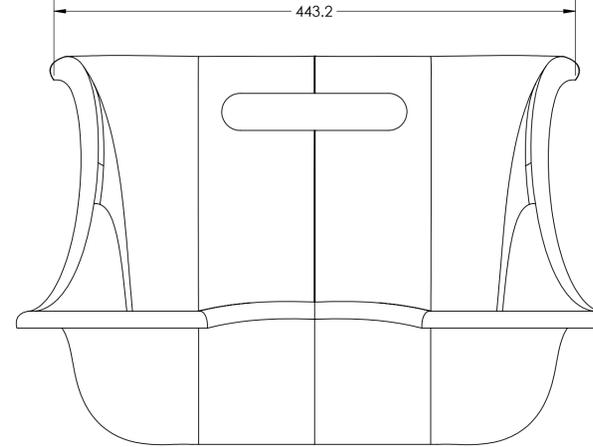
A



1. GET BRACKET AS CLOSE TO SEAT AS POSSIBLE
2. ENSURE BOLT IS TORQUED TIGHTLY

3. FIT SEAT WITH RUNNER FULLY EXTENDED
4. USE A SEAT FITTING KIT OR FLAT EDGE TO ENSURE SEAT IS LEVEL

5. USE INSIDE SLOTS FOR FITTING NARROWER SEATS



DETAIL F
SCALE 1:6

KEYBOARD SLING
SCALE 1:3

- NOTES:
 1. REFER TO 3D FILES
 2. APPLY TRIM TO CUT OUT
 3. ENSURE CUT OUT IS CENTRAL AND LEVEL

| | | | | | | |
|---|-----------|----------|------------------------------------|----------------------|----------|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: +/- 0.2mm | | | DEBURR AND BREAK SHARP EDGES | DO NOT SCALE DRAWING | REVISION | 1 |
| NAME | SIGNATURE | DATE | TITLE: SEAT FITTING | | | |
| DRAWN JOE SHADE | | 20/05/24 | | | | |
| CHKD | | | | | | |
| APPVD | | | | | | |
| MFG | | | | | | |
| G.A. | | | | | | |
| MATERIAL: | | | DWG NO. | 6 A1 | | |
| WEIGHT: | | | SCALE:1:3 | SHEET 4 OF 7 | | |

16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

M

L

K

J

H

G

F

E

D

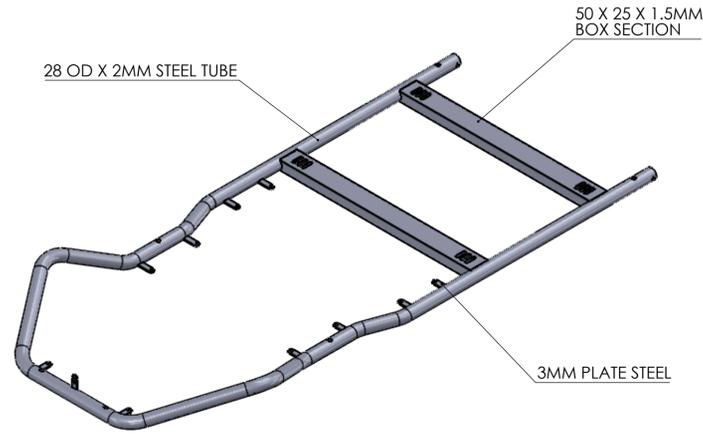
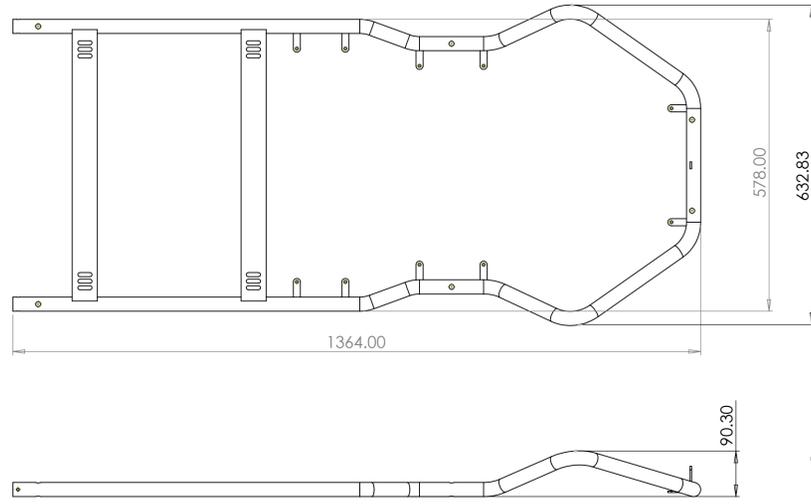
C

B

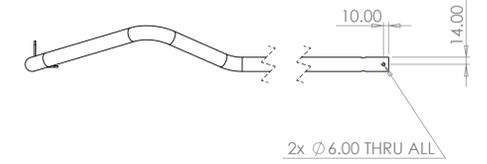
A

NOTES:

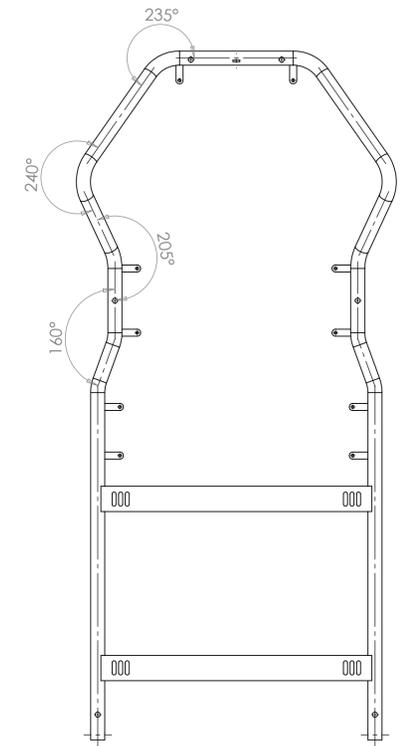
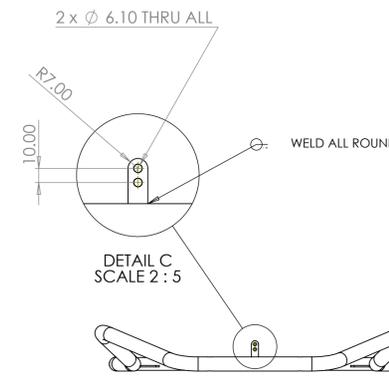
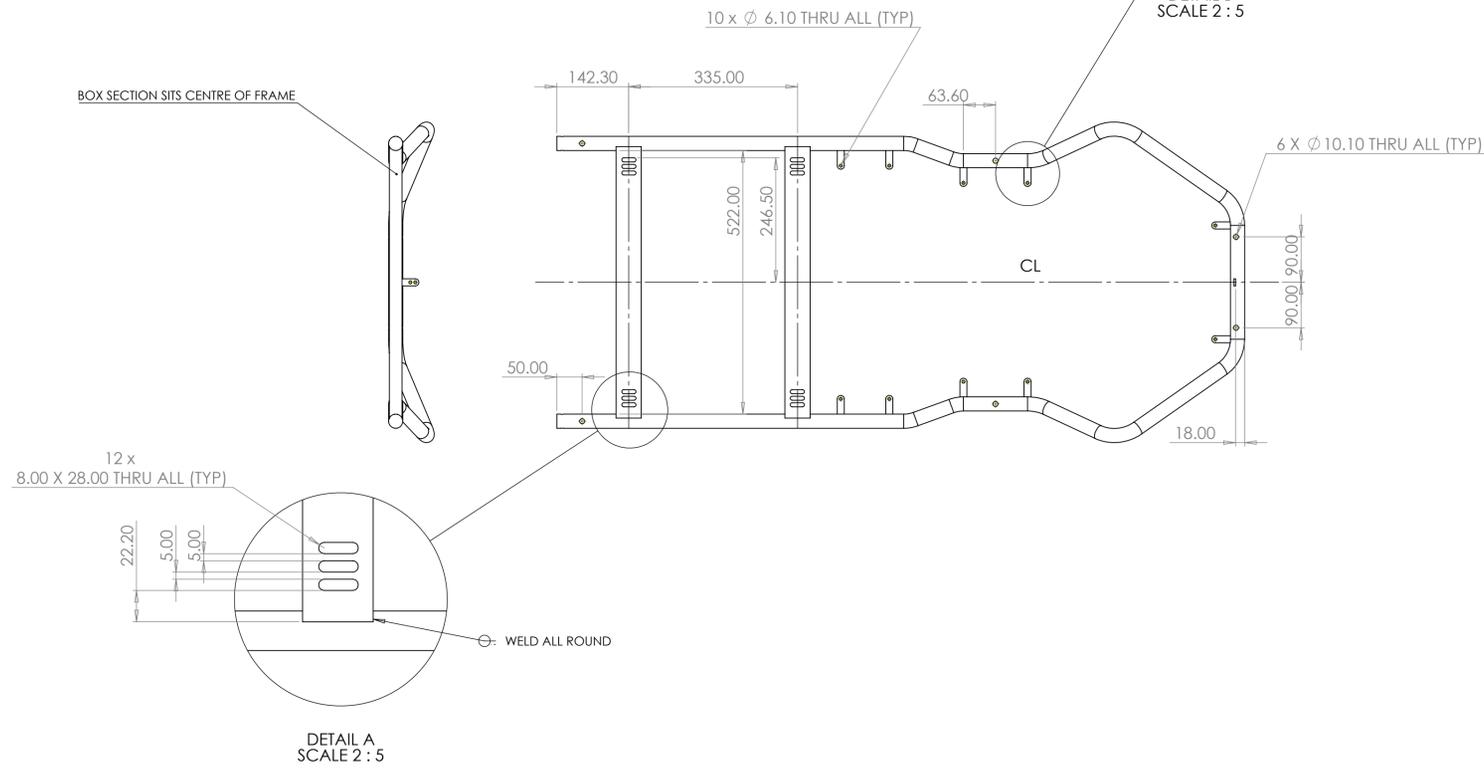
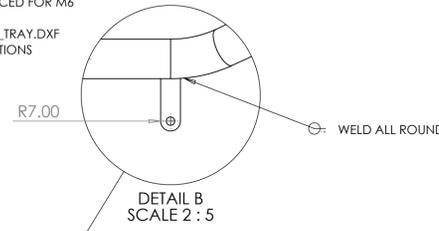
1. COMPONENT IS SYMMETRICAL ABOUT CENTRE LINE
2. ENSURE FRAME IS SQUARE
3. DO NOT FLATTEN WELDS (REMOVE SPLATTER BUT OTHERWISE LEAVE RAW)
4. REFER TO 3D FILES
5. SPRAY PAINT TO MATCH RAL 9005
6. LEAVE ENDS UNCAPPED



| REVISIONS | | | | |
|-----------|------|---|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| J2 | 1.2 | ROLLER MOUNTING HOLE SIZE REDUCED FROM 8MM TO 6MM | 03/04/24 | JS |
| C7 | 1.3 | NASSAU MOUNTING BRACKET HOLES CHANGED FROM 4MM TO 6MM | 10/04/24 | JS |
| F10 | 1.3 | FLOOR TRAY MOUNTING HOLES CHANGED FROM 4MM TO 6MM | 10/04/24 | JS |
| N/A | 1.3 | FINISH CHANGED FROM POWDER COAT TO SPRAY PAINT | 10/04/24 | JS |

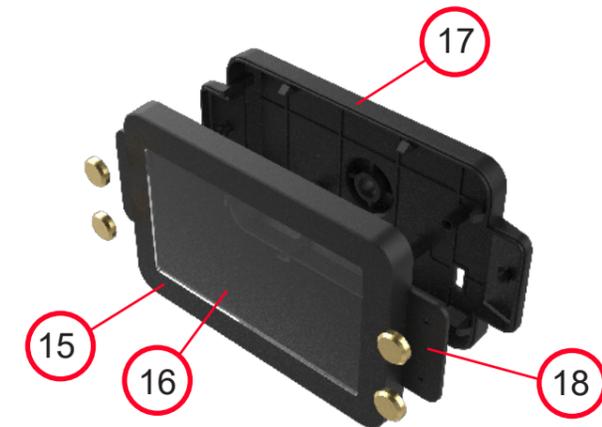
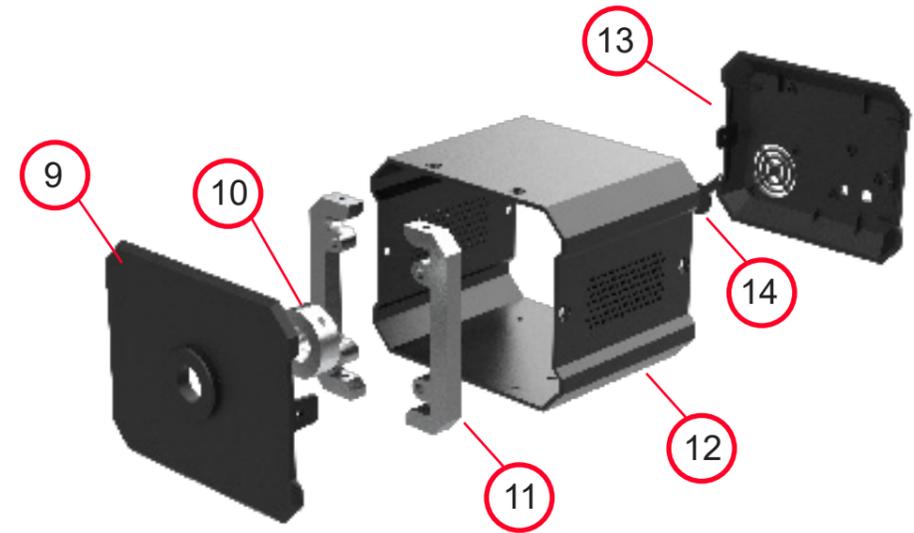


1. HOLES CLEARANCED FOR M6 BOLTS
2. REFER TO FLOOR_TRAY.DXF FOR HOLE LOCATIONS



| | | | | | | |
|---|-----------|---------------------------------|------------------------------------|----------------------|----------|-----|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS +/- 0.2MM | | FINISH: SPRAY PAINT RAL 9005 | DEBURR AND BREAK SHARP EDGES | DO NOT SCALE DRAWING | REVISION | 1.3 |
| NAME | SIGNATURE | DATE | TITLE: FRAME COMPLETE | | | |
| JOE SHADE | | 25/03/24 | | | | |
| DRAWN | | | DWG NO. 7 | | | |
| CHKD | | | SCALE: 1:1 | | | |
| APPRD | | | SHEET 7 OF 7 | | | |
| MFG | | | MATERIAL: MILD STEEL 15HR | | | |
| Q.A. | | | WEIGHT: | | | |

Note: This is not an artwork, for reference only.



| Issue | Date / Modifications | Drawn | Issue | Date / Modifications | Drawn | File name: CMF | Sheet: 1 of 2 |
|-------|------------------------|-------|-------|----------------------|-------|---------------------------------------|--------------------------|
| 1 | 20/05/24 - First Issue | JS | | | | Client: DE MONTFORT UNIVERSITY | JOB NO: 01 |
| | | | | | | Project name: VELOCITY KART SIMULATOR | |
| | | | | | | Legend Title: VELOCITY SIM CMF SPEC | |
| | | | | | | Contact: JOE SHADE | P2601110@my365.dmu.ac.uk |
| | | | | | | Colour: BLACK AND GOLD | |

| | Component | Part no | Colour | Specification | Production process | Sample |
|------------------------|--------------------------------------|---------|------------------|---|--|---------------------------------|
| 1 | WHEEL MOUNTING PLATE | 22 | BLACK MATTE | SAND BLAST ISO SA 2 SPRAY PAINT TO MATCH RAL 9005 | SPRAY PAINT FINISH OVER SHEET METAL FABRI- CATION | SAMPLE REQUIRED FOR SIGN OFF |
| 2 | NASSAU PANEL | 71 | BLACK SEMI-GLOSS | SPRAY PAINT TO MATCH RAL 9005 FINISH WITH CLEAR LACQUER | SPRAY PAINT / LACQUER OVER COMPOSITE LAYUP | SAMPLE REQUIRED FOR SIGN OFF |
| 3 | PEDAL GRIP | 25 | BLACK MATTE | TEXTURE TO MATCH SPI-C2 POST MOLDED COLOUR MATCHED TO PANTONE BLACK 7 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |
| 4 | FRAME | 01 | BLACK SEMI-GLOSS | SPRAY PAINT TO MATCH RAL 9005 | SPRAY PAINT FINISH OVER TUBE FABRICATION | SAMPLE REQUIRED FOR SIGN OFF |
| 5 | STEERING WHEEL STAND SUB ASSEMBLY | 24 | BLACK MATTE | SAND BLAST ISO SA 2 SPRAY PAINT TO MATCH RAL 9005 | SPRAY PAINT FINISH OVER SHEET METAL FABRI- CATION | SAMPLE REQUIRED FOR SIGN OFF |
| 6 | FLOOR TRAY | 02 | BLACK MATTE | SAND BLAST ISO SA 2 SPRAY PAINT TO MATCH RAL 9005 | SPRAY PAINT FINISH OVER SHEET METAL FABRI- CATION | SAMPLE REQUIRED FOR SIGN OFF |
| 7 | SEAT MOUNTING BRACKET | 19 | BLACK MATTE | SAND BLAST ISO SA 2 SPRAY PAINT TO MATCH RAL 9005 | SPRAY PAINT FINISH OVER SHEET METAL FABRI- CATION | SAMPLE REQUIRED FOR SIGN OFF |
| 8 | SEAT | 61 | BLACK SEMI-GLOSS | SPRAY PAINT TO MATCH RAL 9005 FINISH WITH CLEAR LACQUER | SPRAY PAINT / LACQUER OVER COMPOSITE LAYUP | SAMPLE REQUIRED FOR SIGN OFF |
| MOTOR UNIT | | | | | | |
| 9 | FRONT CASING | 01 | BLACK MATTE | TEXTURE TO MATCH SPI-B1 POST MOLDED COLOUR MATCHED TO PANTONE BLACK 7 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |
| 10 | STEERING COLUMN COUPLING | 04 | NATURAL | STANDARD NO MACHINE MARK | CNC MILLED | SAMPLE REQUIRED FOR SIGN OFF |
| 11 | MOTOR MOUNTING ARM | 02 | NATURAL | STANDARD NO MACHINE MARK | CNC MILLED | SAMPLE REQUIRED FOR SIGN OFF |
| 12 | MAIN CASING | 01 | BLACK MATTE | SAND BLAST ISO SA 2 SPRAY PAINT TO MATCH RAL 9005 | SPRAY PAINT OVER METAL EXTRUSION | SAMPLE REQUIRED FOR SIGN OFF |
| 13 | BACK CASING | 09 | BLACK MATTE | TEXTURE TO MATCH SPI-B1 POST MOLDED COLOUR MATCHED TO PANTONE BLACK 7 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |
| 14 | COOLING FAN BRACKET | 06 | BLACK MATTE | POST MOLDED COLOUR MATCHED TO PANTONE BLACK 7 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |
| MULTI-FUNCTION DISPLAY | | | | | | |
| 15 | FRONT CASING | 07 | BLACK MATTE | TEXTURE TO MATCH SPI-B1 POST MOULDED COLOUR MATCHED TO PANTONE BLACK 7 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |
| 16 | SCREEN COVER | 08 | CLEAR | TEXTURE TO MATCH SPI-A2 | INJECTION MOLDING | SAMPLE REQUIRED FOR SIGN OFF |
| 17 | BACK CASING | 01 | BLACK MATTE | TEXTURE TO MATCH SPI-B1 POST MOLDED COLOUR MATCHED TO PANTONE BLACK 7 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |
| 18 | PUSH BUTTON | 09 | GOLD SEMI-GLOSS | TEXTURE TO MATCH SPI-B1 POST MOLDED COLOUR MATCHED TO PANTONE GOLD 871 C | INJECTION MOLDED COLOUR | SAMPLE REQUIRED FOR SIGN OFF |

| | |
|---------------------------------------|--------------------------|
| File name: CMF | Sheet: 2 of 2 |
| Client: DE MONTFORT UNIVERSITY | JOB NO: 01 |
| Project name: VELOCITY KART SIMULATOR | |
| Legend Title: VELOCITY SIM CMF SPEC | |
| Contact: JOE SHADE | P2601110@my365.dmu.ac.uk |
| Colour: BLACK AND GOLD | |