MEGA LIFT

MEGALIFT

SERIAL NUMBER: _____

Varimixer

Varimixer A/S
Elementfabrikken 9
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Denmark

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SAP nr. 20060-1710
Version 1.1 UK
Original language "English"

HOVMAND
LIFTING & MOVING TECHNOLOGY

EC - DECLARATION OF CONFORMITY
Machinery Directive 2006/42/EC Annex II A

Manufacturer and party responsible for compiling technical documentation:

Company name:	Hovmand A/S
Address:	Sandvadsvej 15
Postal code:	DK-4600 Køge, Denmark
Phone number:	+ 45 57 83 33 00
	www.hovmand.com

- hereby declare that the machine:

Designation:	Mobile battery-powered lifter
Type identification number:	NEW
Serial number:	_____

- is manufactured in accordance with the Machinery Directive 2006/42/EC Annex II A.

The following directives and standards as well as technical reports have been applied, insofar as they have been found to be wholly or partly relevant in relation to the construction and design of the machine:

Directives:	2014/30/EC
	2014/35/EC
	2011/65/EC
Standards:	EN/ISO 12100: 2011
	EN/ISO/TR 14121-2: 2012
	EN 60204-1: 2016
	EN/IEC 63000: 2018
	EN/ISO 3691-5: 2015
	DS/EN ISO 20607: 2019

Authorisation of HOVMAND A/S, to prepare technical documentation and communicate information about the device, in response to any sufficiently motivated request from state authorities:

Køge 17/05-2021

Søren Hovmand
Managing Director
Hovmand A/S

Table of content

1 Typographic convention

The following cautionary symbols may be used in the manual and / or on the lift.

Warning!
This pictogram draws attention to the risk of personal injury.

Warning!
This pictogram draws attention to the risk of personal injury.
- There is a risk of getting your fingers crushed.

Warning!
This pictogram draws attention to the risk of personal injury.
- The lifter must not be used for lifting persons.

Warning!
This pictogram draws attention to the risk of personal injury.
- There should be no body parts below or near the lifting tool when operated up or down.

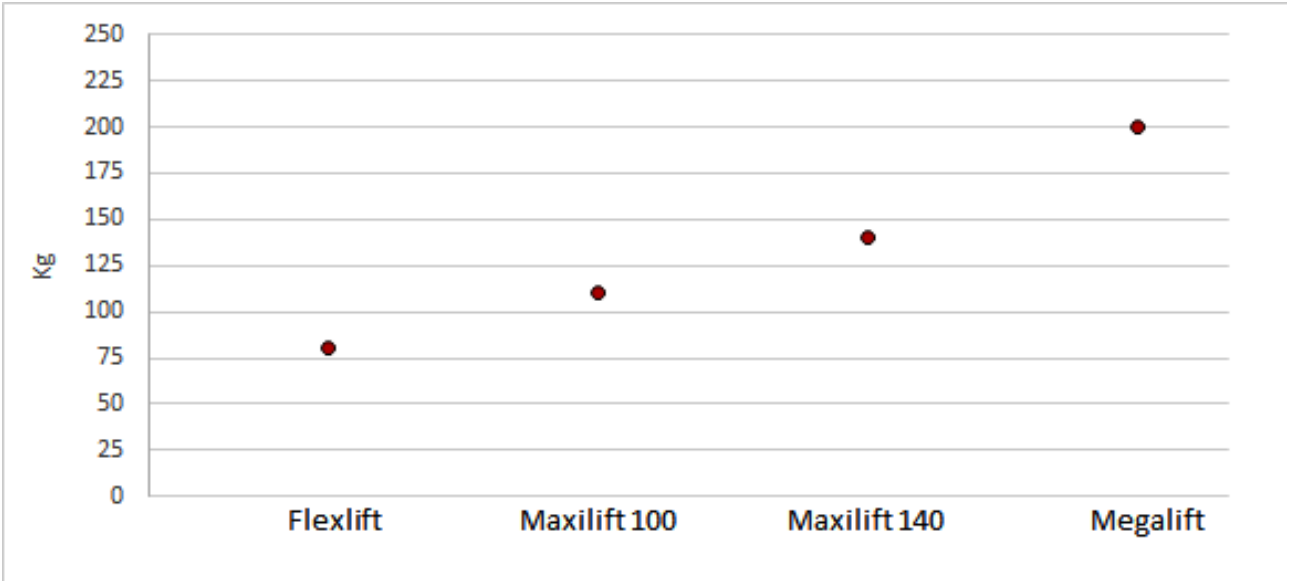
Warning!
This pictogram draws attention to the risk of personal injury.
- There should be no body parts on top of the front legs steel profile, when the lift is elevated or operated.

2 Specifications

	Megalift	
Type	**M**	**H**
Weight (kg)	135	145
Max load (kg)	200	
Lifting speed	100 - 125 mm/s	
Protection class	IP65	
Batteries	24, 18.0 Ah	
Charger	100 - 240V 50/60Hz – 2 Amps	
Charging time	4 hours (80%) 5 hours (100%)	
Sound pressure level	≤ 70 Db(A)	
Vibration strength	≤ 2,5 m/s²	

3 Load diagram

Please note:
Always respect the lowest value indicated, looking at the load diagram and the indication on the actual lifter.



4 General safety precautions during use

The following guidelines must be observed and followed when using a lift, to prevent personal injury:

- Under no circumstances should the lift elevate more than specified on the label.
- It is of most importance, due to personal safety, that the specified weight, load position, and height are respected and that the lift is not overloaded.

- The lift must not be used for lifting persons or live animals.

- No body parts near the sledge or tool at the mast or other lifting equipment when operated up/down.

- Secure that there is no person below the load, tool and lift when operated.

- There should be no body parts on top of the front legs steel profile, when the lift is elevated or operated.

- Only one person must operate the lift at a time.
- The user must read and understand these instructions or must have them explained to them before using the lifter.
- Only use the lift when operated on a hard-levelled surface during lifting or transporting loads.
- When transporting a cargo, the load should be lowered to the lowest possible position and secured in order to ensure that the cargo cannot slide.
- Always secure the cargo on the lift when moving.
- Not in use or storing, always ensure that the sledge is lowered to the lowest possible position and is free of any items or cargo.
- Operate and store in a clean, dry location with temperature from +5 °C to +40 °C.
- Make sure that the tool is firmly attached to the sledge and no slack occurs in the bolt connection.
- The lifter is to be controlled at least once a year or according to laws, regulations, directives, working conditions and experience. The control shall be performed by the manufacturer or a skilled technician. Please check your local requirements.
- Do not lift or handle open containers containing corrosive fluids, harmful to people if spilled.
- Industrial or commercial use only.
- Indoor use only.
- Do not use the lifter in explosive or flammable hazard environment.

5 Exception of liability

- Hovmand cannot be held responsible for any modifications on the lift or attached equipment, not authorized by Hovmand.
- Do only use original spare parts, otherwise Hovmand cannot be held liable for the function and safety of the lift.
- The lifter must only be serviced by a qualified technician, otherwise Hovmand cannot be held liable for the function and safety of the lift.

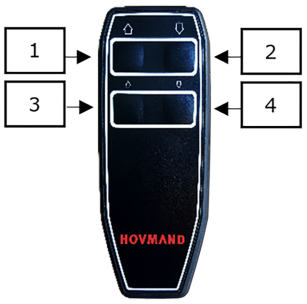
6 Residual risks

There are residual risks for extraordinary wear, material or product failure due to great impact from collision, misuse, obstacle interference, blockade of driveways, etc.; e.g. a faulty wheel bearing, as a result of a heavy collision.

7 Operating the lifter

7.1 Remote control - 4 buttons

The remote control has 4 buttons with arrows, which operate as follows:



The remote control symbols

Button no. / Function	Description	Symbol	Comments
1 Lifting	The lifter will lift while the button is pressed	⇧	
2 Lowering	The lifter will lower while the button is pressed	⇩	
3 Turning left	(counter clockwise)	↺	
4 Turning right	(clockwise)	↻	

7.2 Shipping

When shipping the lifter:

- The sledge must be lowered to the lowest possible position and be free of any items or cargo.
- Fasten the lifter securely during transport.

8 Construction and Materials

All materials are suitable for use in pharma and food industry.

Part	Material
Mast	Electro polished stainless steel (1.4301 / AISI 304)
Handle	Electro polished stainless steel (1.4301 / AISI 304)
Sledge	Electro polished stainless steel (1.4301 / AISI 304)
Front cover for mast	Electro polished stainless steel (1.4301 / AISI 304)
Remote	Polyamide 6
Wheel frame	Electro polished stainless steel (1.4301 / AISI 304)
Front wheels	Polyurethane
Back wheels	Polyamide and Polyurethane

9 Batteries and chargers - Swap

Before using the batteries
New batteries should always be fully charged prior to using.

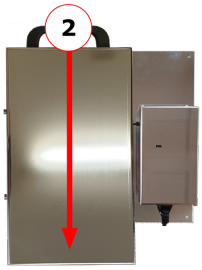
Charge the battery pack daily
The battery pack must be charged daily as total discharge can damage the batteries or shorten their lifespan.

The lifter comes with a changeable battery kit, which consist of a wall mounted charger and battery packs.

Wall mounted charger:

Battery packs:

To charge the battery pack:
1: Connect the wall mounting charger to the wall-plug.
Charging indicator:
a. Green: The wall mounting charger is connected to main power.
2: Place the changeable battery pack in the wall mounted charger.
3: Charger indicator:
a. Yellow: The charger is connected and charging.
b. Green: The batteries are workable.



The indicator changes to green after 1 to 5 hours, which corresponds to 80% charge. The battery pack is fit for use as soon as the green light is on. However, it is recommended to do a full charge, which takes approximately 8 hours.
The wall mounted charger automatically charges the batteries and switches to maintenance charging, when the batteries are fully charged.

It is better to charge the batteries, than to disconnect the battery pack or turn OFF the wall mounting charger

Safety when charging
Use only original charger. Check that the wires are in good condition, connect properly and correct before applying power. Make sure there are no dirt or water in the plug.

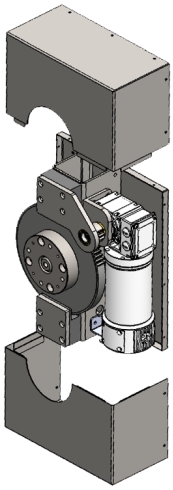
The battery status indicator
The lifter is equipped with a battery status indicator, which indicates the battery status when the lift button is activated.

Red indicator:	Batteries must be recharged immediately.
Orange indicator:	The batteries are functionally charged.
Green indicator:	The batteries are fully charged.

Safety when discharged
Using discharged batteries means an extreme stress for the battery and should be avoided.

10 Lifting equipment

10.1 Turning Unit



Application
The turning unit to move the load in a sideways rotational movement.

Operation
To engage the electrical turning the buttons 3 and 4 of the remote control are used. See paragraph on operation to identify the correct buttons.

Safety when using the Turning unit
Before the turning unit is activated test that the load is correctly held between the arms of the tool. This is done by ensuring that all contact areas of the tool indeed has contact to the load. Make sure that the load is lifted high enough that no collision with legs or floor and load can occur.

Adjustment of the Turning unit
Adjustment of the PLC parametres should only be done by professionals.
See paragraph 'Adjusting speed and Amps for electric equipment

10.2 Turning fork with click-lock - Maxilift/Megalift

To use the Click-on system, two fittings are mounted on the kettle. The spears of the click-on fork should be carried all the way through the fittings so that the lock pin clicks onto the backside of the fitting.

11 Maintenance and Inspection

All Hovmand products are designed for minimum maintenance, however some safety checks and procedures are required.

Hovmand strongly recommends the following checks be carried out on a daily basis and before using the lift. Ensure that the lift is functioning as intended. If in doubt, do not use.

- The lifter must be free of dirt or debris which could affect safe operation
- Ensure all labels are present, without damage and are readable.
- Ensure no sign of wear, miss sounds or visual defects.
- Ensure bolts, nuts and rivets should not be loose.
- Ensure correct operation of the brakes.
- Ensure the lifter moves freely on its wheel and the castors.
- Ensure control unit are in working order.

The yearly maintenance must be performed by a qualified technician.

The critical components listed below, must be replaced with the intervals stated, to make sure that the lifter is in safe, operational condition.

Critical components:

Please contact Hovmand for instruction on how to replace critical components.

Cam belt

- Replace when / if any of the below points occur:
  - Any sign of wear, visual cracks, or miscolour.
  - Under normal use (Use < 20 lifts per day, in average over a year), replace after 8 years.
  - Under intensive use (Use > 20 lifts per day, in average over a year), replace after 4 years.

One way bearing

- Replace when / if any of the below points occur:
  - Any sign of wear, miss sounds or visual defects.
  - Under normal use (Use < 20 lifts per day in average over a year), replace after 8 years.
  - Under intensive use (Use > 20 lifts per day, in average over a year), replace after 4 years.

12 Disposal

When disposing the lifter, make sure to sort the different materials by category, metal, electronic waste, batteries etc.. Make sure to follow the local environmental legislations, and hand over the materials to the local recycling station.

- Note: The batteries contain lead and must be disposed accordingly!

13 Cleaning instructions

- **Swap batteries**
  The external battery swap unit must be removed from the lifter, prior to cleaning.

Ingress protection marking (IP)			
Model-approved IP code:	**IP 65**	**IP code description**	
Solid particle protection	IP **6**X	Dust tight	No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow.
Liquid ingress protection (with batteries)	IP X**5**	Water jets	Water projected in powerful jets (6.3 mm nozzle, at a pressure of 30 kPa. at a distance of 3 m) against the enclosure from any direction shall have no harmful effects.
Liquid ingress protection **(without batteries)**	IP X**6**	Powerful water jets	Water projected in powerful jets (12.5 mm nozzle, at a pressure of 100 kPa. at a distance of 3 m) against the enclosure from any direction shall have no harmful effects.

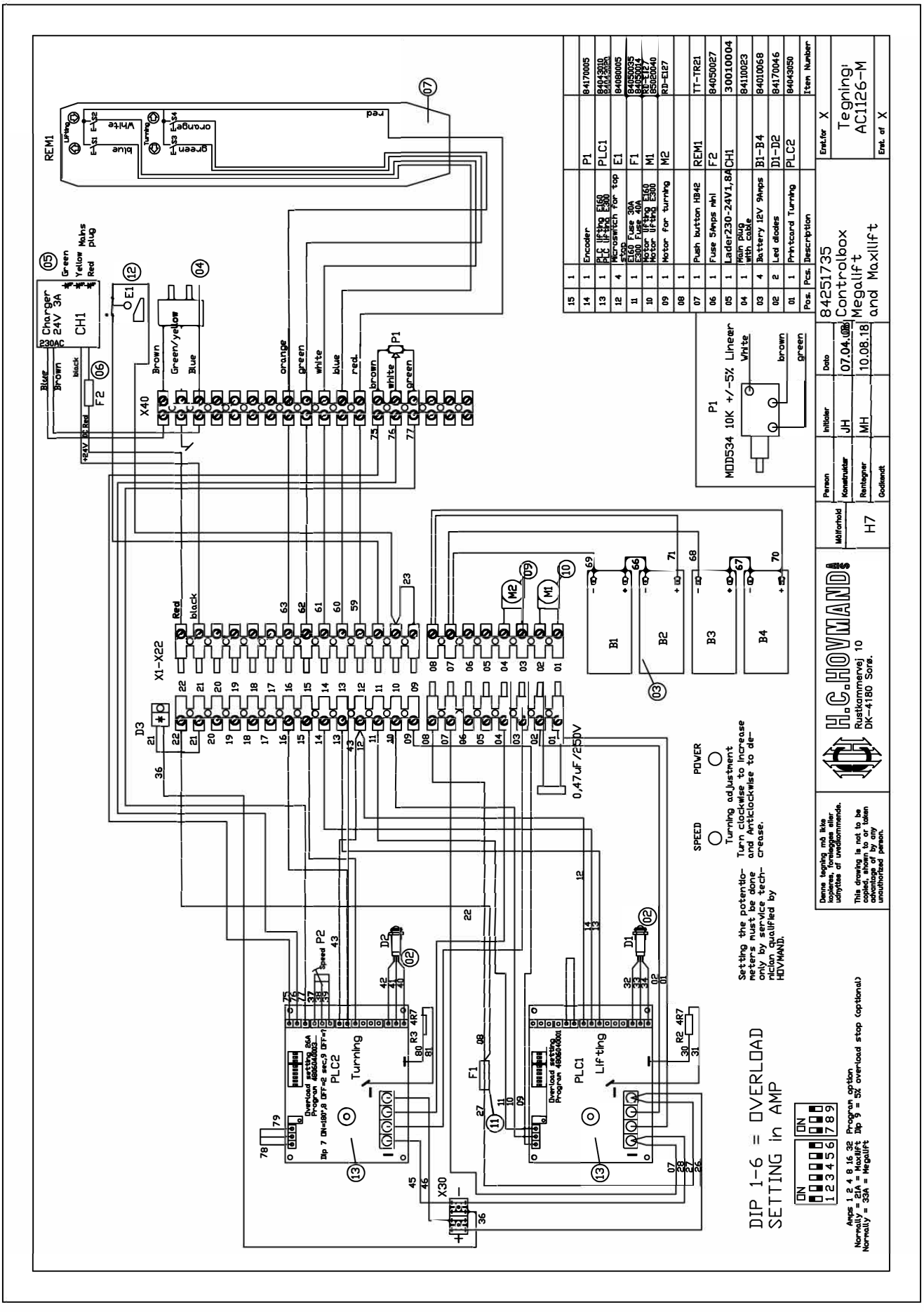
Special instructions/Precautions
• Always wear the correct / appropriate safety equipment. • Lower the lifting tool, so that you don´t risk a head injury when cleaning near the floor.

Detergent application			
	Use a standard PH neutral cleaning detergent.		Do not use Acid, Alkaline or harsh chemical products, these might weaken the drive belt and other sensitive components or leave marks on the surfaces.

Work process			
	• The outer surfaces can be cleaned using a wet brush or a damp cloth. • The outer surfaces can be cleaned using a standard water hose. • The outer surfaces can be cleaned using a high pressure cleaner; Please note that the max. allowable pressure is 100 kPa. at a distance of 3 m. • The lifter must dry for min. 2 hours after cleaning.		Do not use a higher pressure than 100 kPa. at a distance of 3 m.

Key inspection points	
	• Make sure the lifter has dried after cleaning. • The power connection plug must be completely dry, before mounting the battery unit. • Test that all functions are working properly before the lifter is taken back into service.

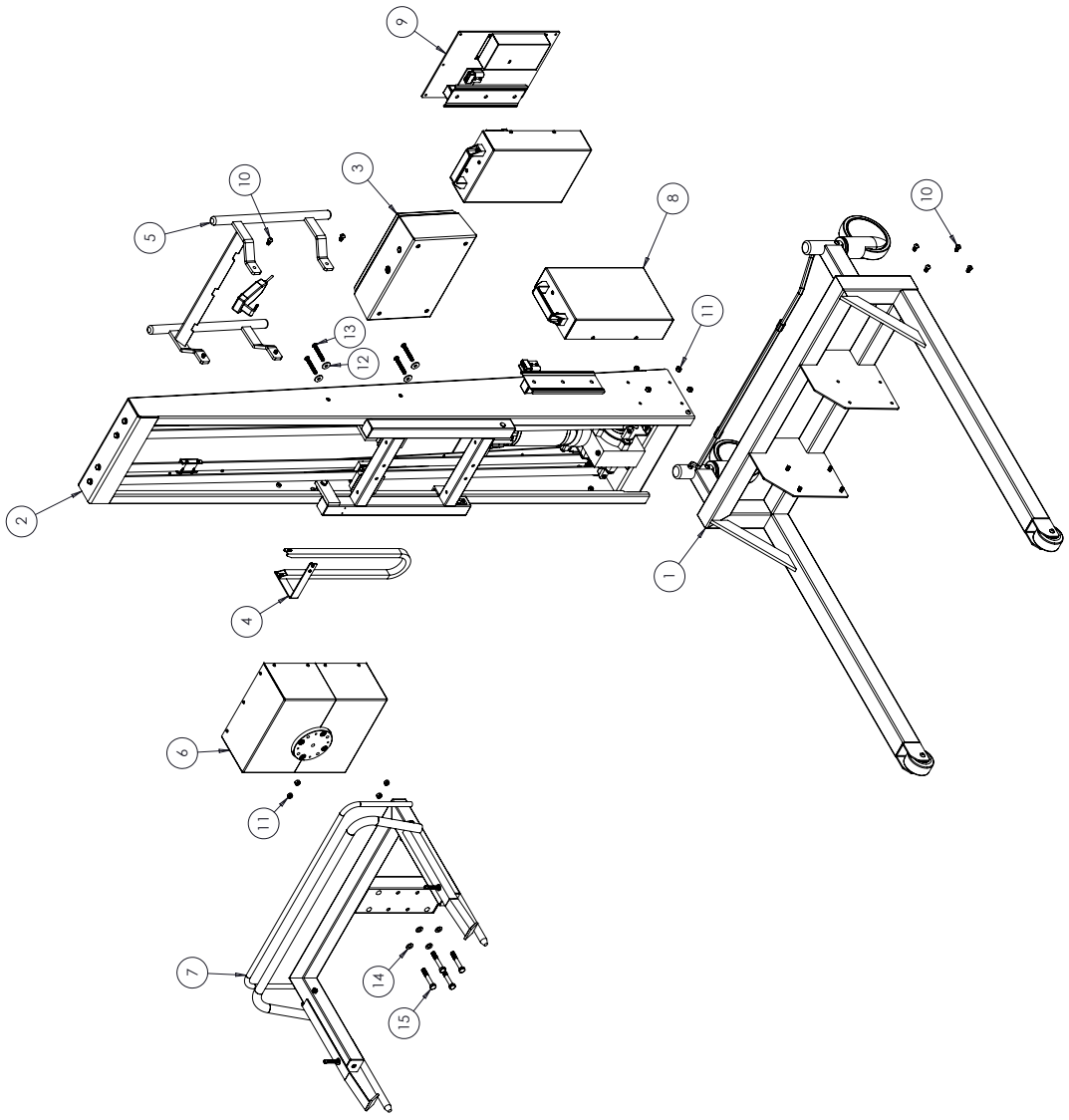
14 Electrical chart



15 Spare parts

15.1 Megalift M - Complete

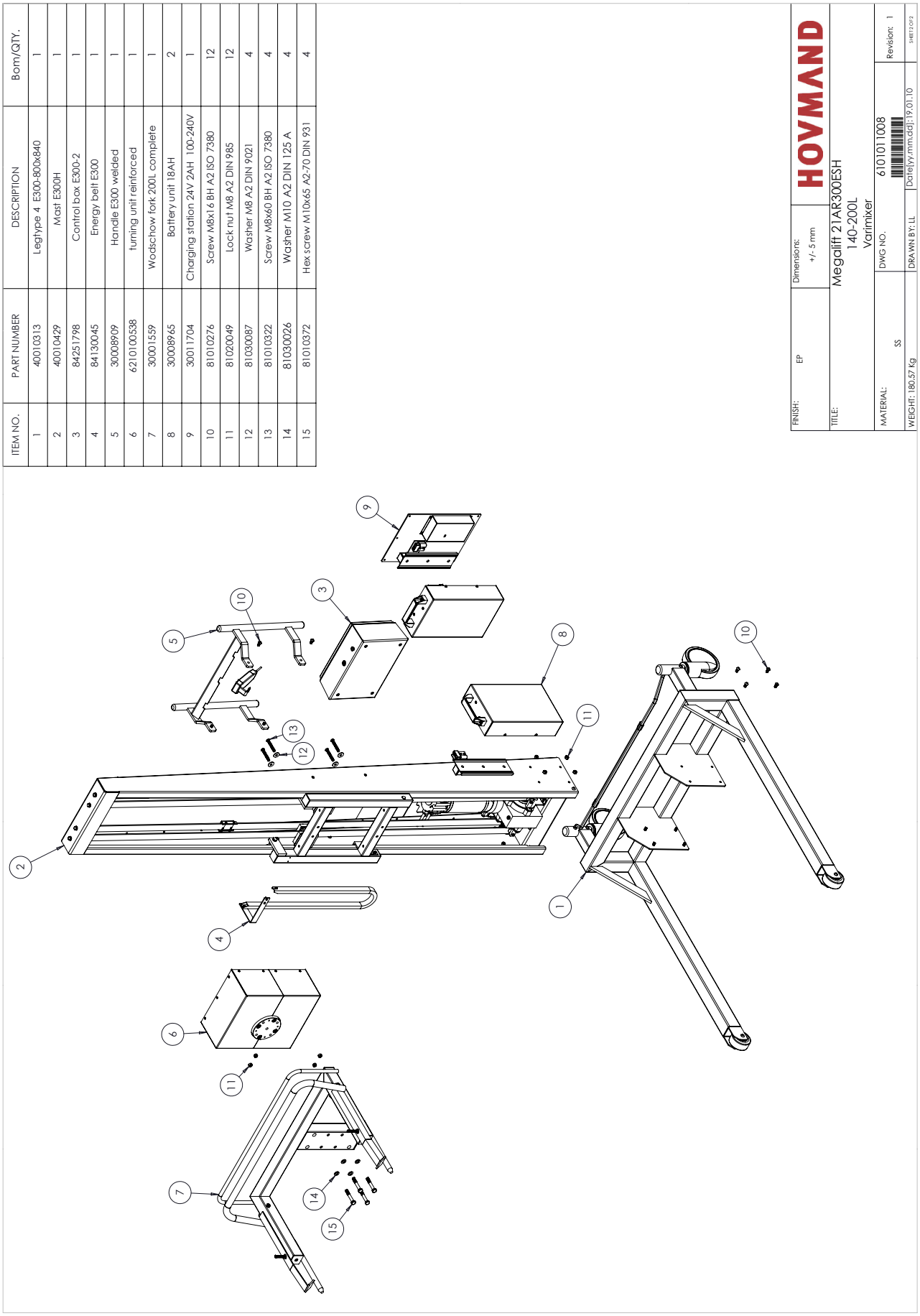
ITEM NO.	PART NUMBER	DESCRIPTION	Bom/QTY.
1	40010313	Legtype 4 E300-800x840	1
2	40010428	Mast E300M	1
3	84251798	Control box E300-2	1
4	84130045	Energy belt E300	1
5	30008909	Handle E300 welded	1
6	6210100538	Turning unit reinforced	1
7	30001559	Wodschow fork 200L complete	1
8	30008965	Battery unit 18AH	2
9	30011704	Charging station 24V 2AH 100-240V	1
10	81010276	Screw M8x16 BH A2 ISO 7380	12
11	81020049	Lock nut M8 A2 DIN 985	12
12	81030087	Washer M8 A2 DIN 9021	4
13	81010322	Screw M8x60 BH A2 ISO 7380	4
14	81030026	Washer M10 A2 DIN 125 A	4
15	81010372	Hex screw M10x65 A2-70 DIN 931	4



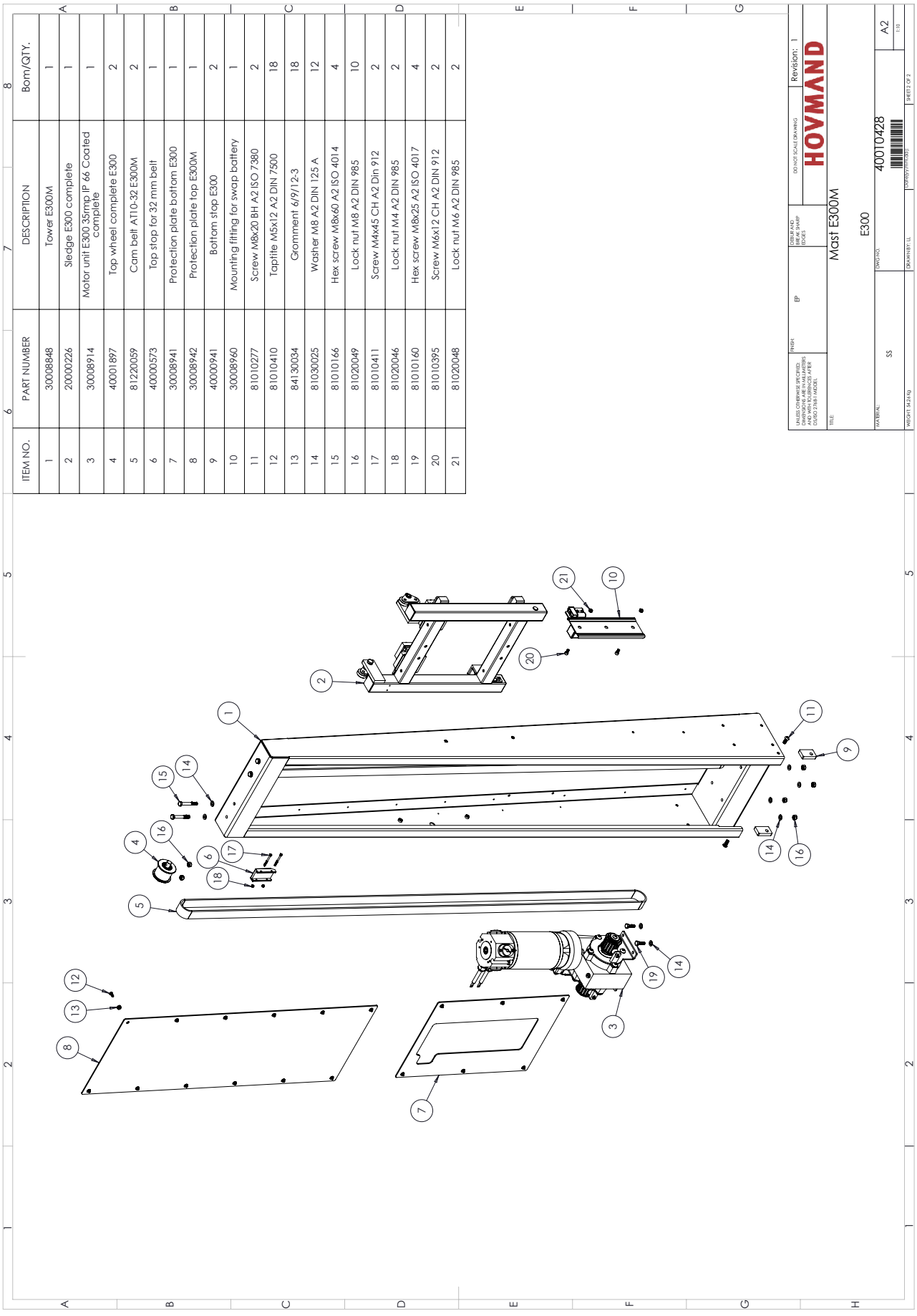
FINISH: EP
Dimensions: +/- 5 mm
HOVMAND
TITLE: Megalift 21AR300ESL 140-200L Varimixer
MATERIAL: SS
DWG NO. 6101011003
Revision: 1
WEIGHT: 176.10 Kg
DRAWN BY: LL
Date(yy.mm.dd): 19.01.04
SHEET 2 OF 2

15.2 Megalift H - Complete

ITEM NO.	PART NUMBER	DESCRIPTION	Bom/QTY.
1	40010313	Legtype 4 E300-800x840	1
2	40010429	Mast E300H	1
3	84251798	Control box E300-2	1
4	84130045	Energy belt E300	1
5	30008909	Handle E300 welded	1
6	6210100538	turning unit reinforced	1
7	30001559	Wodschow fork 200L complete	1
8	30008965	Battery unit 18AH	2
9	30011704	Charging station 24V 2AH 100-240V	1
10	81010276	Screw M8x16 BH A2 ISO 7380	12
11	81020049	Lock nut M8 A2 DIN 985	12
12	81030087	Washer M8 A2 DIN 9021	4
13	81010322	Screw M8x60 BH A2 ISO 7380	4
14	81030026	Washer M10 A2 DIN 125 A	4
15	81010372	Hex screw M10x65 A2-70 DIN 931	4



15.3 Megalift M - Mast - Complete



ITEM NO.	PART NUMBER	DESCRIPTION	Born/QTY.
1	30008848	Tower E300M	1
2	20000226	Sledge E300 complete	1
3	30008914	Motor unit E300 35rmp IP 66 Coated complete	1
4	40001897	Top wheel complete E300	2
5	81220059	Cam belt AT10-32 E300M	2
6	40000573	Top stop for 32 mm belt	1
7	30008941	Protection plate bottom E300	1
8	30008942	Protection plate top E300M	1
9	40000941	Bottom stop E300	2
10	30008960	Mounting fitting for swap battery	1
11	81010277	Screw M8x20 BH A2 ISO 7380	2
12	81010410	Taptite M5x12 A2 DIN 7500	18
13	84130034	Grommet 6/9/12-3	18
14	81030025	Washer M8 A2 DIN 125 A	12
15	81010166	Hex screw M8x60 A2 ISO 4014	4
16	81020049	Lock nut M8 A2 DIN 985	10
17	81010411	Screw M4x45 CH A2 Din 912	2
18	81020046	Lock nut M4 A2 DIN 985	2
19	81010160	Hex screw M8x25 A2 ISO 4017	4
20	81010395	Screw M6x12 CH A2 DIN 912	2
21	81020048	Lock nut M6 A2 DIN 985	2

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS AND WITH TOLERANCES AFTER DS/ISO 2768-1 MEDEL

FINISH: EP

DEBUR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

HOVMAND

Revision: 1

TITLE: Mast E300M

E300

MATERIAL: SS

DWG NO. 40010428

A2

1:10

WEIGHT: 34.24 Kg

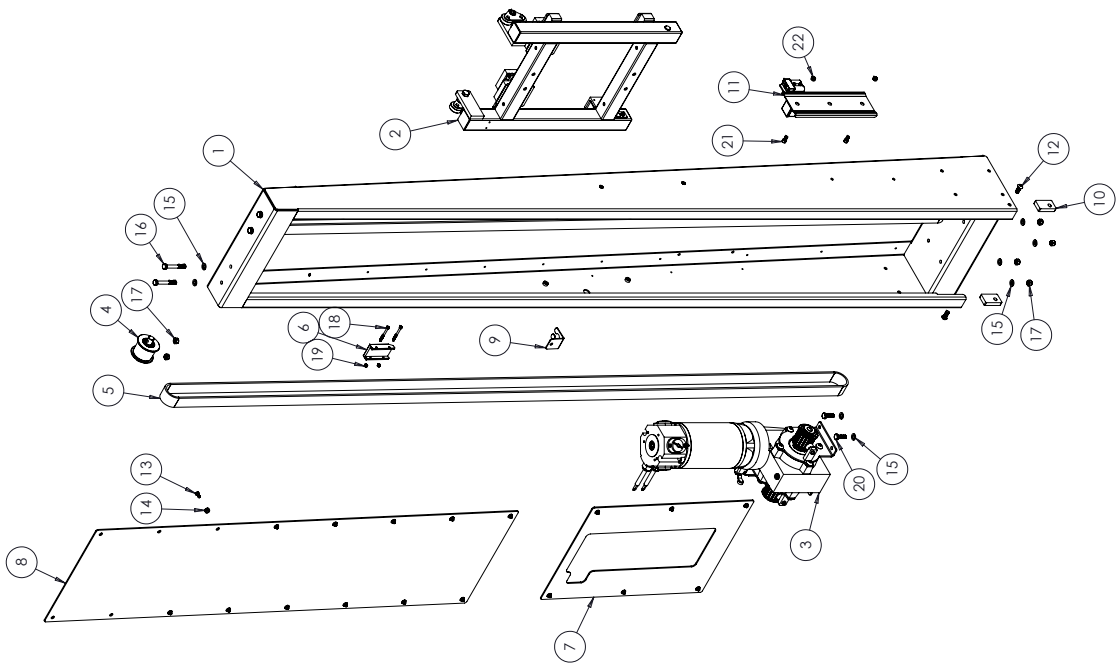
DRAWN BY: LL

DATE(YYYY/MM/DD)

SHEET 2 OF 2

15.4 Megalift H - Mast - Complete

ITEM NO.	PART NUMBER	DESCRIPTION	Bom/QTY.
1	30009443	Tower E300H	1
2	20000226	Sledge E300 complete	1
3	30008914	Motor unit E300 35rmp IP 66 Coated complete	1
4	40001897	Top wheel complete E300	2
5	81220065	Cam belt AT10-32 E300H	2
6	40000573	Top stop for 32 mm belt	1
7	30008941	Protection plate bottom E300	1
8	30009655	Protection plate top E300H	1
9	81170017	Power cord holder	1
10	40000941	Bottom stop E300	2
11	30008960	Mounting fitting for swap battery	1
12	81010277	Screw M8x20 BH A2 ISO 7380	2
13	81010410	Taptite M5x12 A2 DIN 7500	22
14	84130034	Grommenf 6/9/12-3	22
15	81030025	Washer M8 A2 DIN 125 A	12
16	81010166	Hex screw M8x60 A2 ISO 4014	4
17	81020049	Lock nut M8 A2 DIN 985	10
18	81010411	Screw M4x45 CH A2 Din 912	2
19	81020046	Lock nut M4 A2 DIN 985	2
20	81010160	Hex screw M8x25 A2 ISO 4017	4
21	81010395	Screw M6x12 CH A2 DIN 912	2
22	81020048	Lock nut M6 A2 DIN 985	2



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS AND WITH TOLERANCES AFTER DS/ISO 2768-1 MEDEL

FINISH: EP

DEBUR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

Revision: 1

TITLE: Mast E300H

E300

MATERIAL: SS

DWG NO. 40010429

A2

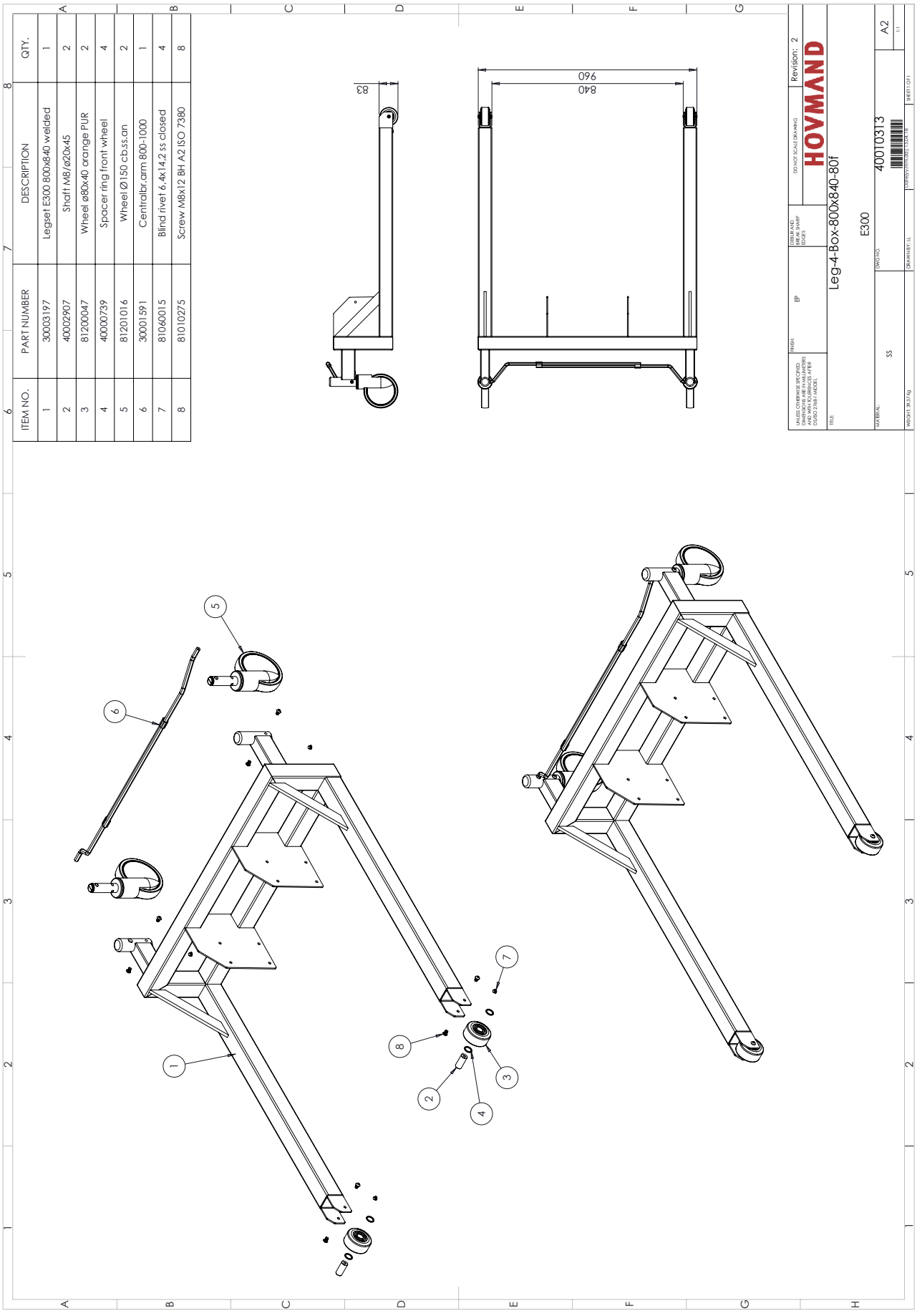
WEIGHT: 38.77kg

DRAWN BY: LL

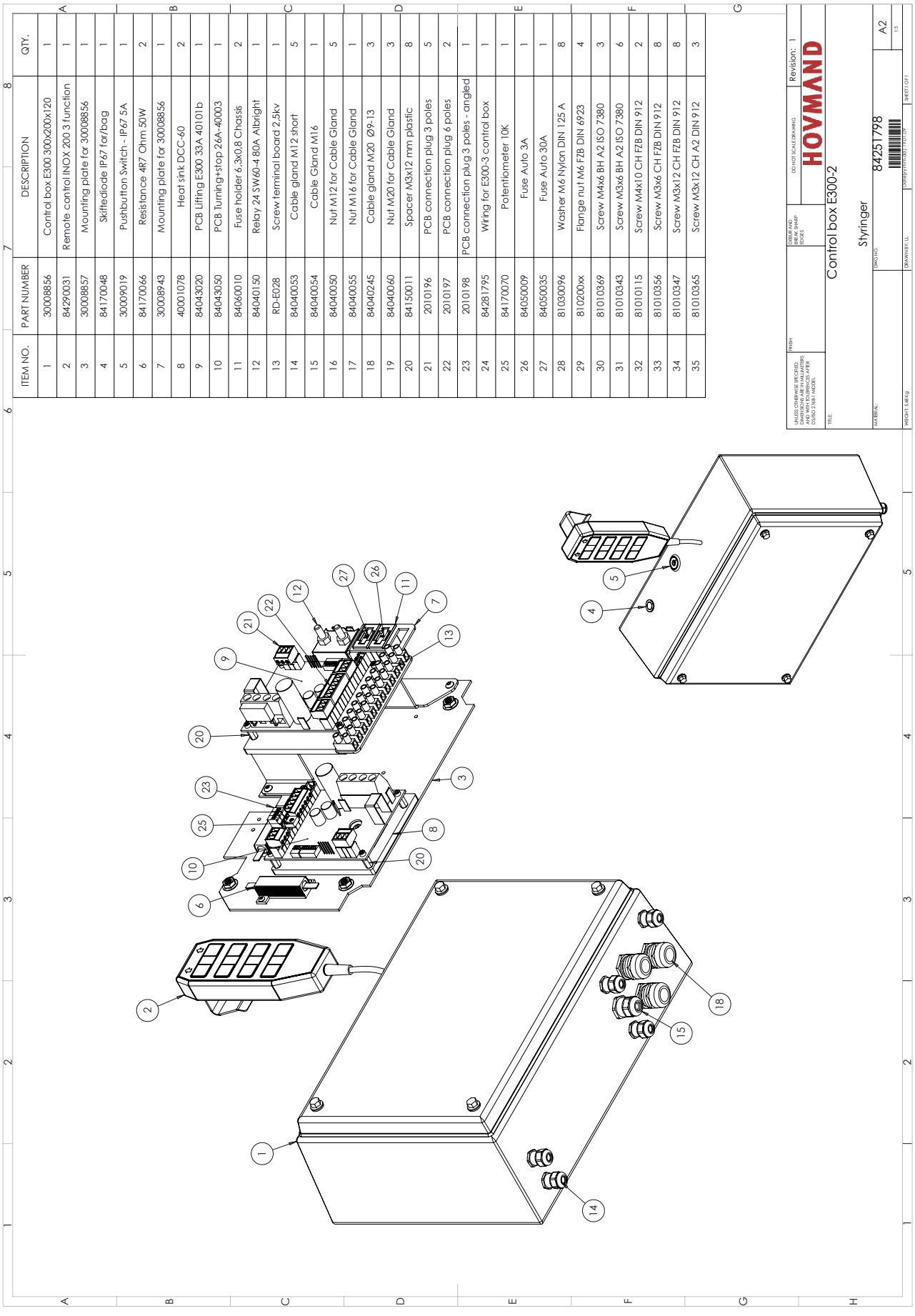
DATE(YYYY/MM/DD)

SHEET 2 OF 2

15.5 legs


ITEM NO. | PART NUMBER | DESCRIPTION | QTY.
1 | 30003197 | Legset E300 800x840 welded | 1
2 | 40002907 | Shaft M8/ø20x45 | 2
3 | 81200047 | Wheel ø80x40 orange PUR | 2
4 | 40000739 | Spacer ring front wheel | 4
5 | 81201016 | Wheel Ø150 cb.ss.an | 2
6 | 30001591 | Centrallbr.arm 800-1000 | 1
7 | 81060015 | Blind rivet 6.4x14.2 ss closed | 4
8 | 81010275 | Screw M8x12 BH A2 ISO 7380 | 8
83
960
840
HOVMAND
Leg-4-Box-800x840-80f
E300
40010313
A2
Revision: 2
SS
EP
1:1
SHEET 1 OF 1

15.6 Control box



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	30008856	Control box E300 300x200x120	1
2	84290031	Remote control INOX 200 3 function	1
3	30008857	Mounting plate for 30008856	1
4	84170048	Skiftediode IP67 for/bag	1
5	30009019	Pushbutton Switch - IP67 5A	1
6	84170066	Resistance 4R7 Ohm 50W	2
7	30008943	Mounting plate for 30008856	1
8	40001078	Heat sink DCC-60	2
9	84043020	PCB Lifting E300 33A 40101b	1
10	84043050	PCB Turning+stop 26A-40003	1
11	84060010	Fuse holder 6,3x0,8 Chassis	2
12	84040150	Relay 24 SW60-4 80A Albright	1
13	RD-E028	Screw terminal board 2,5kv	1
14	84040053	Cable gland M12 short	5
15	84040054	Cable Gland M16	1
16	84040050	Nut M12 for Cable Gland	5
17	84040055	Nut M16 for Cable Gland	1
18	84040245	Cable gland M20 Ø9-13	3
19	84040060	Nut M20 for Cable Gland	3
20	84150011	Spacer M3x12 mm plastic	8
21	2010196	PCB connection plug 3 poles	5
22	2010197	PCB connection plug 6 poles	2
23	2010198	PCB connection plug 3 poles - angled	1
24	84281795	Wiring for E300-3 control box	1
25	84170070	Potentiometer 10K	1
26	84050009	Fuse Auto 3A	1
27	84050035	Fuse Auto 30A	1
28	81030096	Washer M6 Nylon DIN 125 A	8
29	810200xx	Flange nut M6 FZB DIN 6923	4
30	81010369	Screw M4x6 BH A2 ISO 7380	3
31	81010343	Screw M3x6 BH A2 ISO 7380	6
32	81010115	Screw M4x10 CH FZB DIN 912	2
33	81010356	Screw M3x6 CH FZB DIN 912	8
34	81010347	Screw M3x12 CH FZB DIN 912	8
35	81010365	Screw M3x12 CH A2 DIN 912	3

HOVMAND

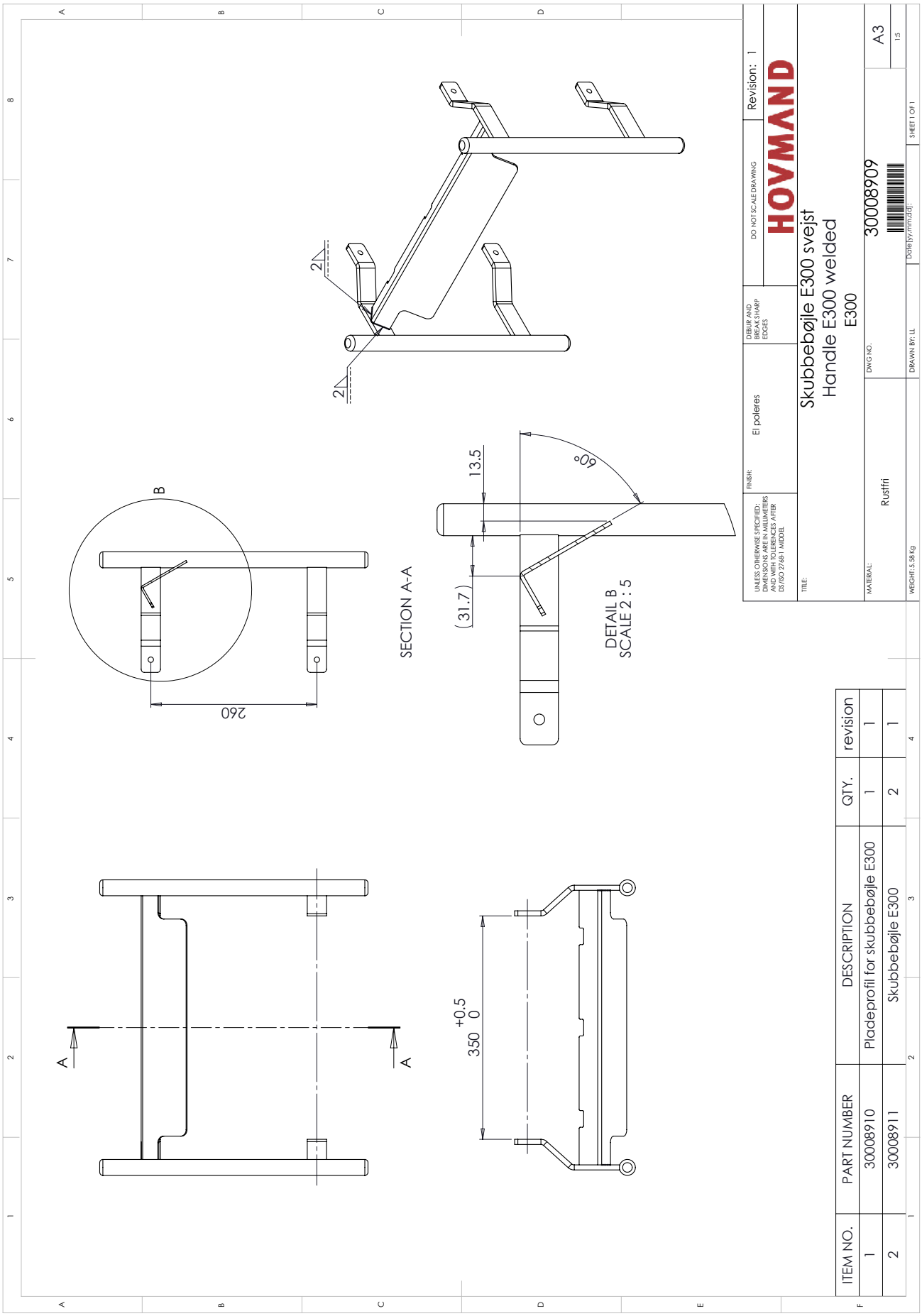
Control box E300-2

Styringer

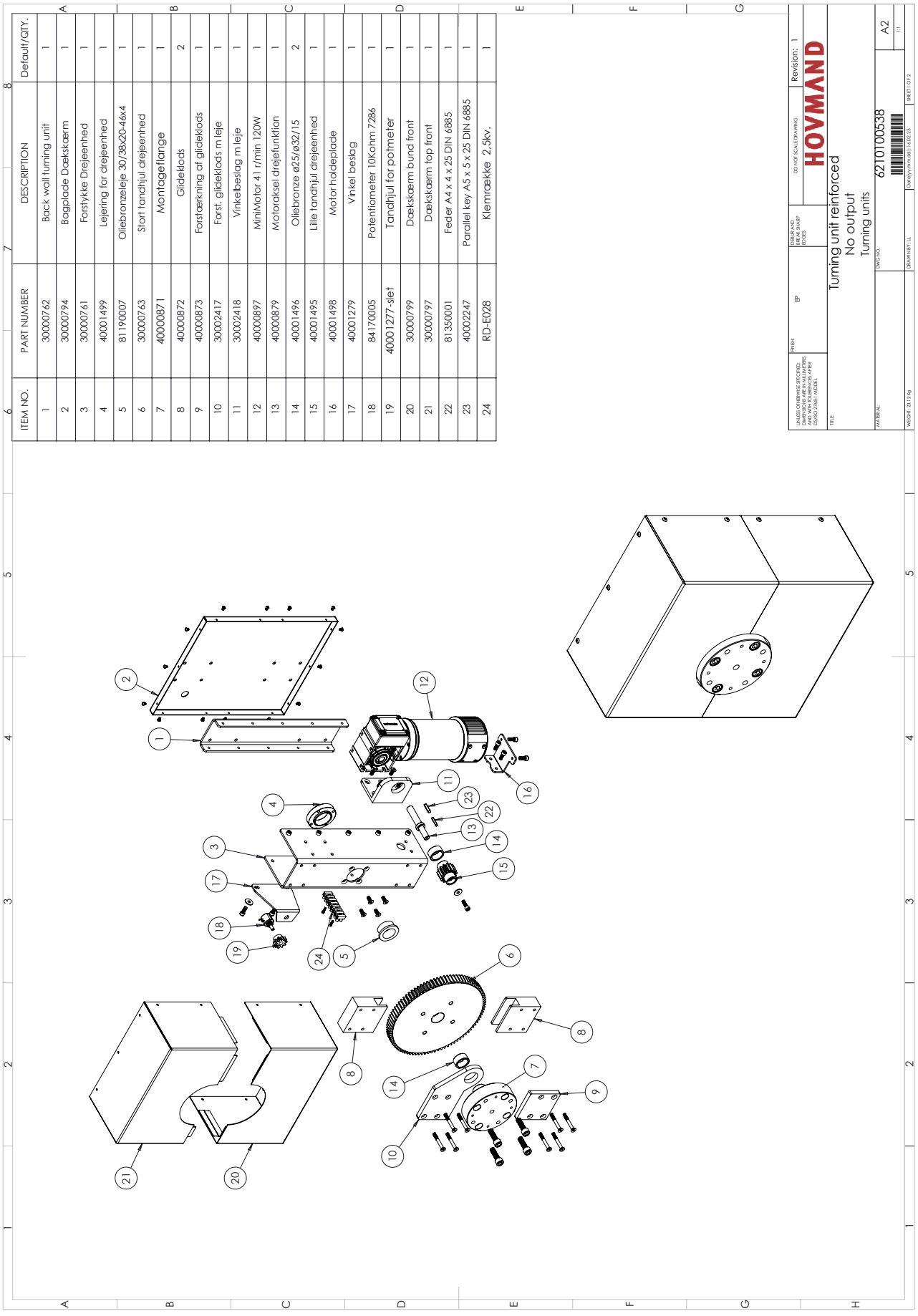
84251798

A2

15.7 Handle - Complete



15.8 Turning unit



ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	30000762	Back wall turning unit	1
2	30000794	Bagplade Dækskærm	1
3	30000761	Forstykke Drejeenhed	1
4	40001499	Lejering for drejeenhed	1
5	81190007	Oliebronzeleje 30/38x20-46x4	1
6	30000763	Stort tandhjul drejeenhed	1
7	40000871	Montageflange	1
8	40000872	Glideklods	2
9	40000873	Forstærkning af glideklods	1
10	30002417	Først. glideklods m leje	1
11	30002418	Vinkelbeslag m leje	1
12	40000897	MiniMotor 41 r/min 120W	1
13	40000879	Motoraksel drejefunktion	1
14	40001496	Oliebronze ø25/ø32/15	2
15	40001495	Lille tandhjul drejeenhed	1
16	40001498	Motor holdeplade	1
17	40001279	Vinkel beslag	1
18	84170005	Potentiometer 10Kohm 7286	1
19	40001277-sæt	Tandhjul for potmeter	1
20	30000799	Dækskærm bund front	1
21	30000797	Dækskærm top front	1
22	81350001	Feder A4 x 4 x 25 DIN 6885	1
23	40002247	Parallel key A5 x 5 x 25 DIN 6885	1
24	RD-E028	Klemrække 2,5kv.	1

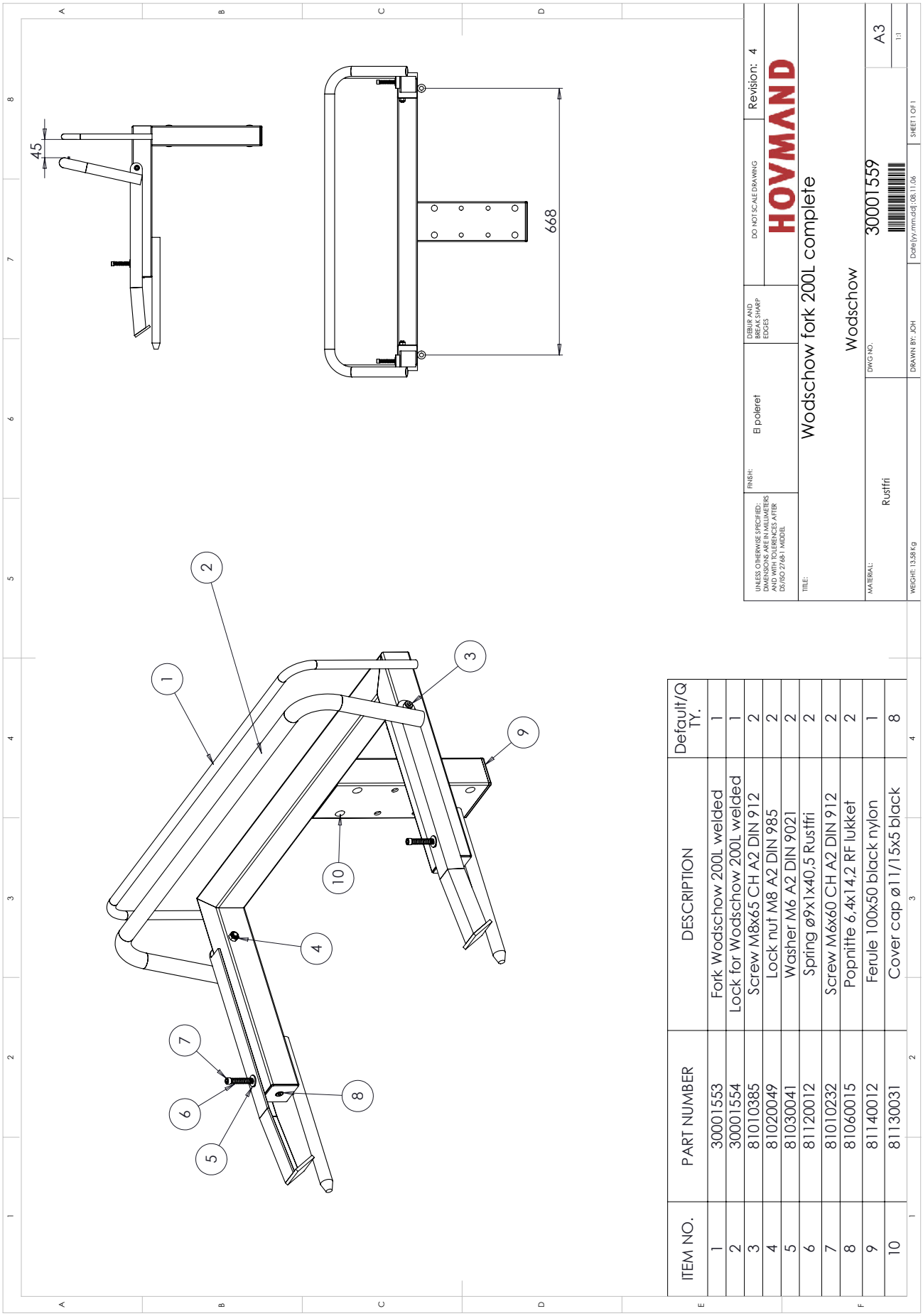
HOVMAND

Turning unit reinforced
No output
Turning units

6210100538

A2

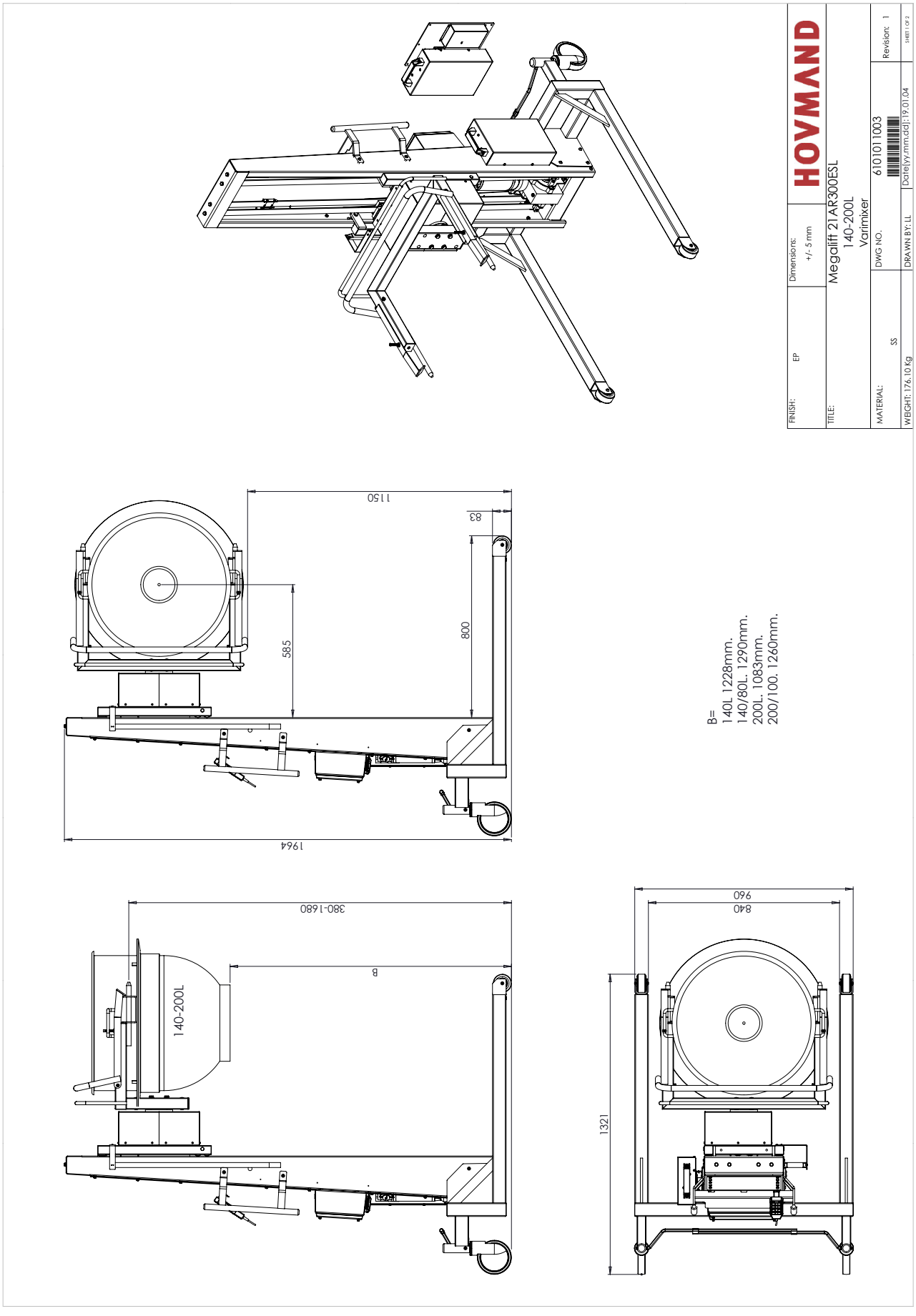
15.9 Fork



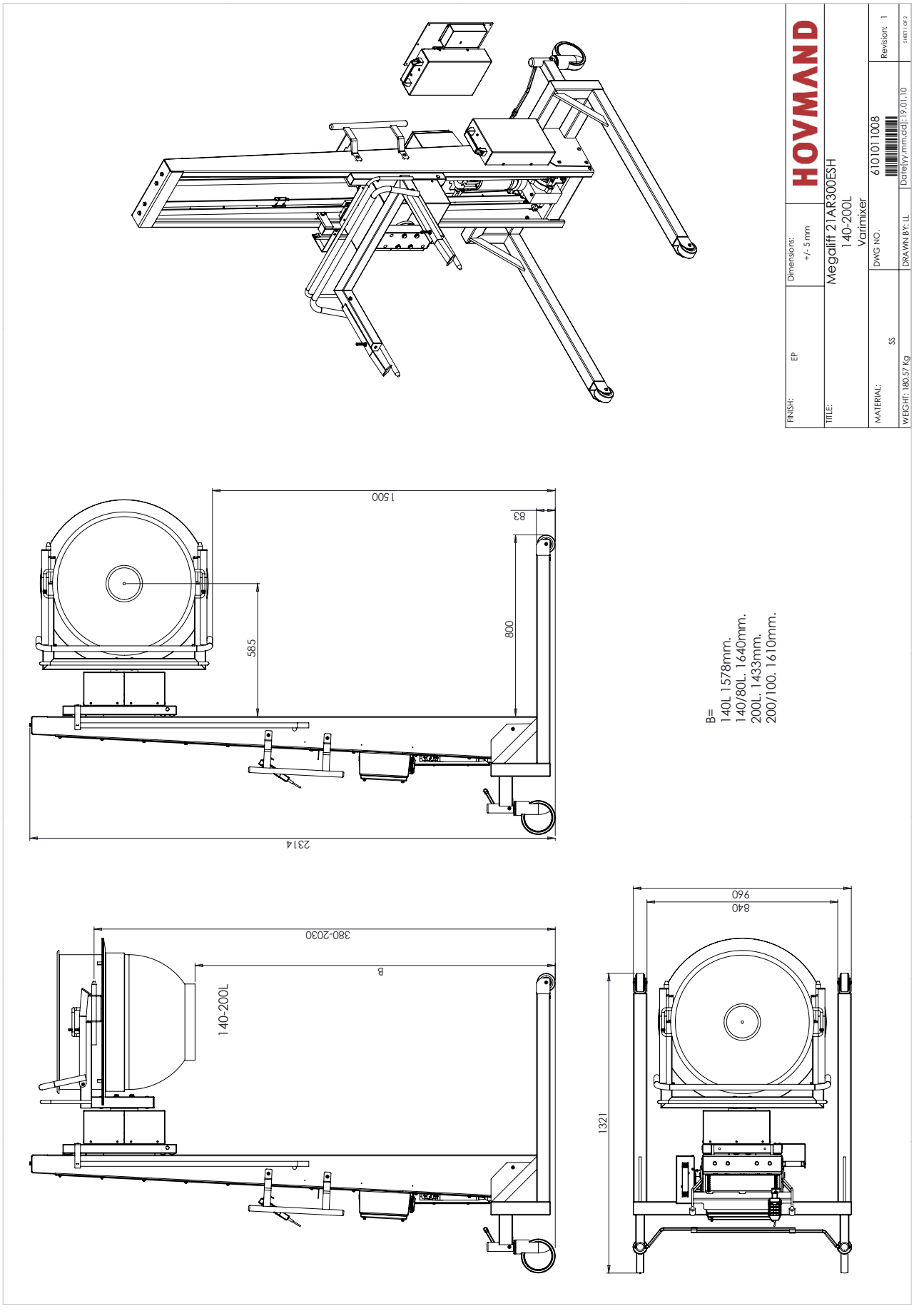
ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	30001553	Fork Wodschow 200L welded	1
2	30001554	Lock for Wodschow 200L welded	1
3	81010385	Screw M8x65 CH A2 DIN 912	2
4	81020049	Lock nut M8 A2 DIN 985	2
5	81030041	Washer M6 A2 DIN 9021	2
6	81120012	Spring ø9x1x40,5 Rustfri	2
7	81010232	Screw M6x60 CH A2 DIN 912	2
8	81060015	Popnitte 6,4x14,2 RF lukket	2
9	81140012	Ferule 100x50 black nylon	1
10	81130031	Cover cap ø11/15x5 black	8

16 Dimensional drawing

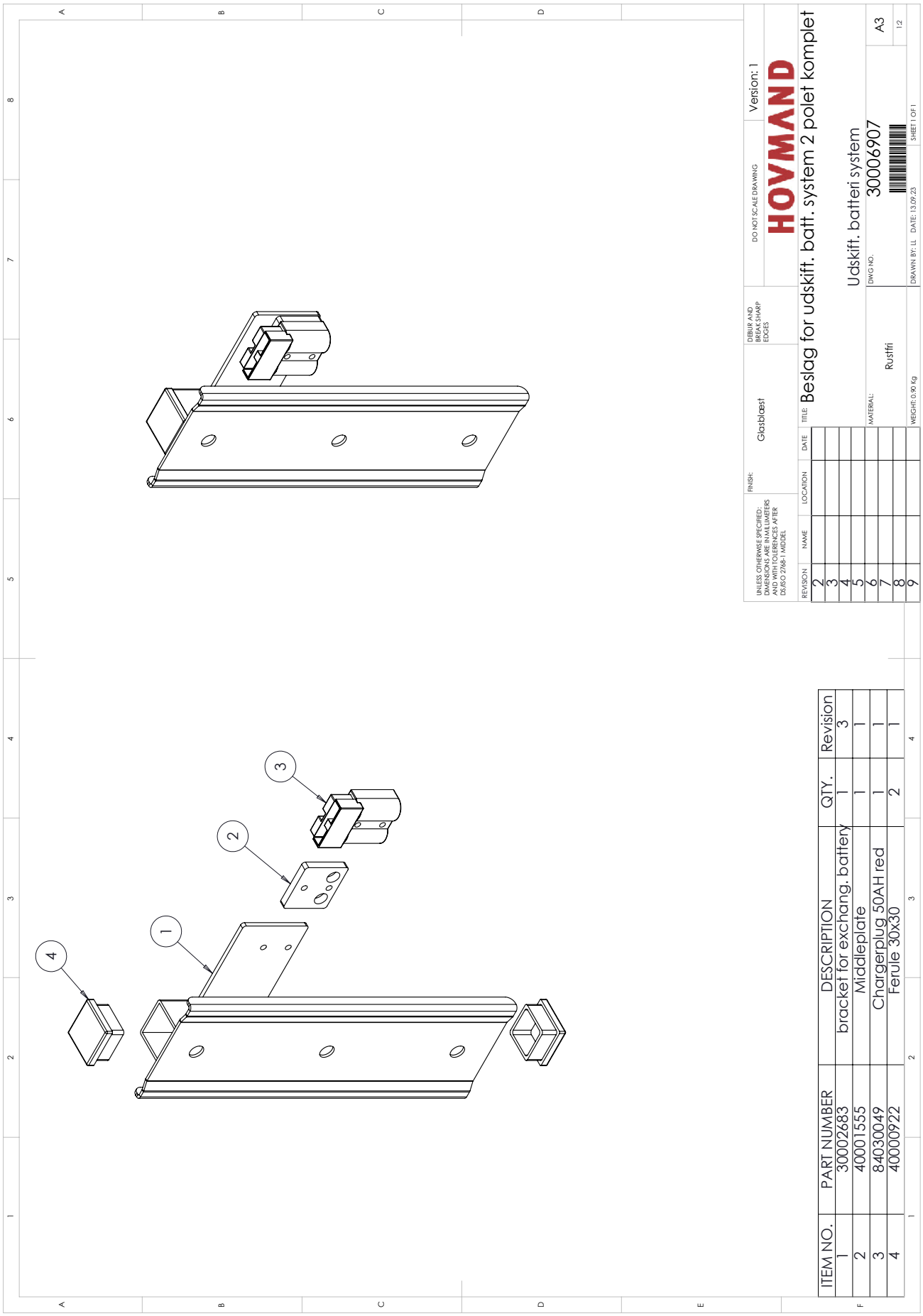
16.1 Megalift M

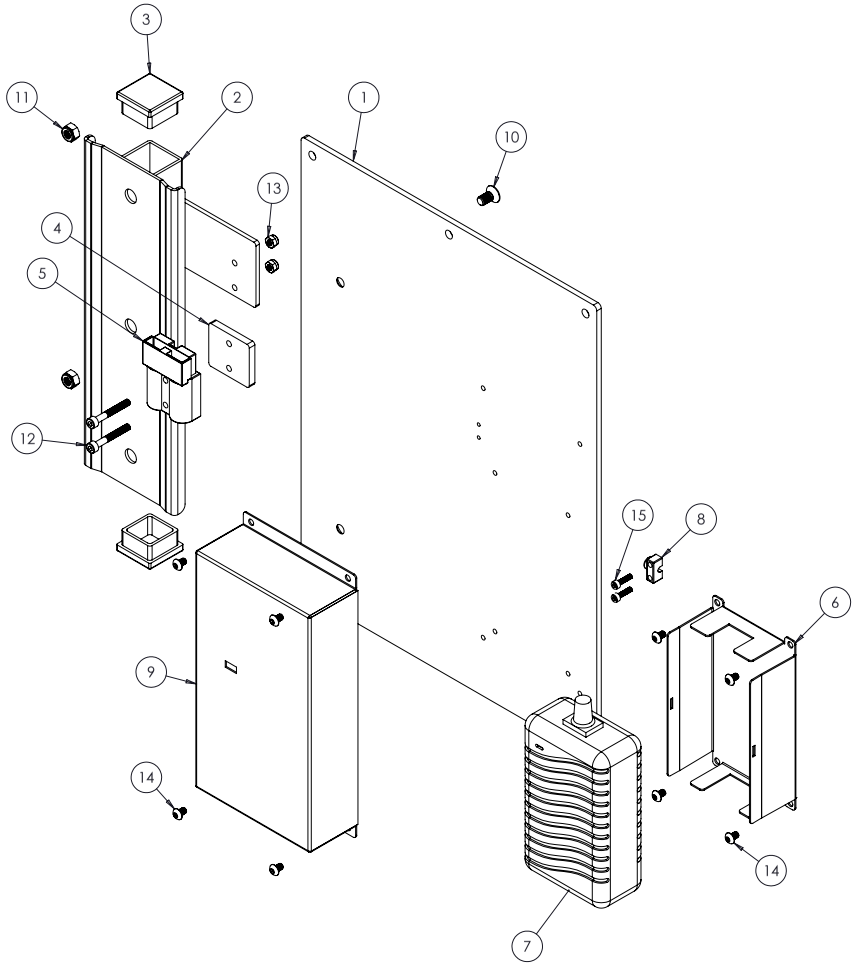


16.2 Megalift H

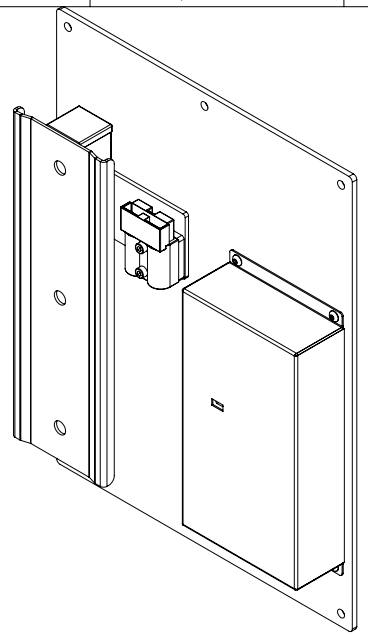


16.3 Swap option





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	30011707	Plate for chargerstation 24V 2AH 100-240V	1
2	30008961	Bracketfor exchange. batt. system 2 polet welded	1
3	RK-DUP3030	Ferule 30x30	2
4	40001555	Middleplate	1
5	84030049	Chargerplug 50AH red	1
6	30011706	Holder for charger 3001004	1
7	84020041	Charger 100-240V-24V 1,8A UL IP65	1
8	30011715	Cable lead-in ø4	1
9	30011705	Covering for chargerstation	1
10	81010193	Screw 6x12 UH A2 DIN 7991	2
11	81020048	Lock nut M6 A2 DIN 985	2
12	81010338	Screw 4x30 CH A2 Din 912	2
13	81020046	Lock nut M4 A2 DIN 985	2
14	81010369	Screw 4x6 RH A2	8
15	81010365	Screwq 3x12 CH A2 DIN 912	2



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS AND WITH TOLERENCES AFTER DS/ISO 2768-1 MIDDEL

FINISH: EP

DEBUR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

Revision: 1

HOVMAND

TITLE:

Charging station 24V 2AH 100-240V
Charging station for swap
Battery swap

MATERIAL: SS

DWG NO. 30011704

A2

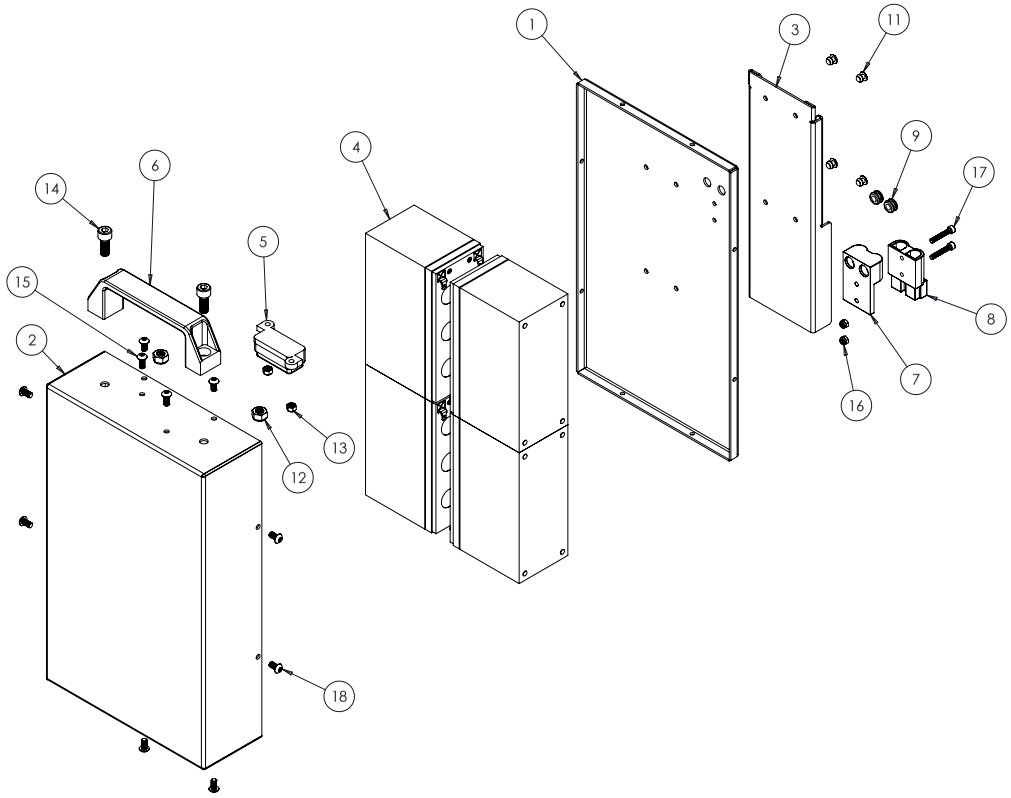
1:3

WEIGHT: 4.40 Kg

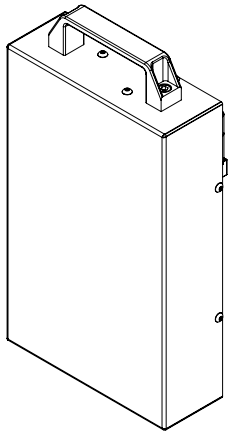
DRAWN BY: LL

DATE(YY/MM/DD): 15.03.16

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	revision
1	30008966	Bund batterikasse 18AH	1	1
2	30008967	Låg batterikasse 18AH	1	1
3	30008968	C-Profil for batterikasse	1	1
4	84010068	Batteri 12V 9AH	4	3
5	84030048	Sikringsholder pladesikring	1	1
6	81150018	Greb 150mm.	1	1
7	40004232	Mellemstykke for ladestik 50AH rød	1	2
8	84030049	Ladestik 50AH rød	1	1
9	84130034	Tylle 6/9/12-3	2	1
10	84280222	Ledningssæt 18AH batterikasse 2 polet	1	1
11	81060011	Popnitte 4,8x14 ALU/Stål	4	1
12	81020049	Låsemøtrik M8 A2 DIN 985	2	
13	81020047	Låsemøtrik M5 A2 DIN 985	2	
14	81010233	Skrue M8x20 CH A2 DIN 912	2	
15	81010258	Skrue 5x12 RH A2 ISO 7380	2	
16	81020046	Låsemøtrik M4 A2 DIN 985	2	
17	81010341	Skrue M4x25 CH A2 DIN 912	2	
18	81010257	Skrue 5x10 RH A2 ISO 7380	8	



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS AND WITH TOLERENCES AFTER DS/ISO 2768-1 MIDDEL

FINISH: EP

DEBUR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

Revision: 1

HOVMAND

TITLE:

Battery unit 18AH
Battery unit 18Ah - Swap
Battery swap

MATERIAL: SS

DWG NO. 30008965

A2

1:5

WEIGHT: 14,57 Kg

DRAWN BY: LL

DATE(YY/MM/DD): 16.12.23

SHEET 1 OF 1

17 Annual inspection

Date of inspection:	Controller:	Comments: