technical documentation

GANSER LIFTSYSTEME

GTL 30

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CE

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1. Ganser lifting systems – From vision to reality

The success of Ganser Liftsysteme as a stairlift manufacturer is rooted in many years of company development that goes back to 1965. Over the years, the company has positioned itself on the market as the most important partner in the area of lift development and lift production. This goes hand in hand with the vision of enabling people all over the world to have a barrier-free life. Together with customer-oriented company management, excellent employees and a global dealer network, we have already made the vision of barrier-free living in many homes, public institutions and companies a reality. The team at Ganser Liftsysteme stands for flexibility, expertise and reliability and thus enables customers worldwide to benefit from individually adapted lift systems and to live barrier-free. Ganser Liftsysteme also turns your vision into reality - entrust us with your challenges.

2. Advantages of the GTL30

- Upper stainless steel tube can be used as a handrail
- Minimum installation depth of 350 mm in the park position
- EN 81-40
- The most difficult roadways possible, including negative curves
- High quality weatherproof materials
- New control including display for quick error detection
- Soft start at the beginning, speed reduction in the curves and when changing the incline
- Suitable for narrow stairs

3. Stairlift design and operating control options

3.1. Operating control options

Figure 1: Control panel on lift

Figure 2: Permanently mounted external remote control panel

Figure 3: Handheld remote control

Figure 4: Additional cable remote for folding seat

01	DOWN control key	Depending on the direction of the arrow, the stairlift moves up or down.
02	UP control key	
03	Open platform	Depending on the direction of the arrow, the platform will be folded up or down.
04	Close platform	
05	Emergency alarm	Activates an emergency alarm sound
06	Emergency stop button	When activated, the stair lift stops. The button must be turned to release.
07	Key switch	The system can only be operated with the key.

Table 1: List of operating controls

3.2. Parts of platform stairlift

Figure 5: Parts of stairlift

08	Handrail
09	Safety barrier
10	Access ramp
11	Roll-off barrier, front access ramp (optional)
12	Bottom contact sensor
13	Intelligent display
14	Control panel on lift
15	Service access (rear of lift equipment)
16	Side safety cut-out switch
17	Switch to power on stairlift.
18	Locking safety gear (rear of lift equipment)

Table 2: Parts of platform stair lift

4. Accessories

Ganser stairlifts can also be equipped with optional accessories to better meet customer requirements.

4.1. Emergency telephone

The stairlift can be equipped with an optional GSM telephone, so that there is always a telephone on the lift. We recommend that every user of this stairlift system, especially in the private sector, carries a mobile telephone whilst operating the system.

4.2. Permanently mounted external control panels

External control panels (see Figure 2) can be activated or deactivated with a key. Use of this key ensures that unauthorised persons cannot use the stairlift. External control panels are fixed to the wall at each station.

4.3. Handheld remote control

This device allows the operator as much free space as possible while operating the stairlift. They will no longer be dependent on the stationary control panels at the stations or on the carriage but can control the lift with a small remote control (see Figure 3) which they can always carry on their person. The receiver is mounted on the carriage and transmits the radio commands to the control unit.
Due to the absence of external control panels, the system is largely protected from vandalism and deliberate damage.

4.4. Cable remote

The platform stair lift can optionally be equipped with an additional cable remote control (see Figure 4), which ensures ergonomic operation when using the folding seat.

4.5. Front access ramp

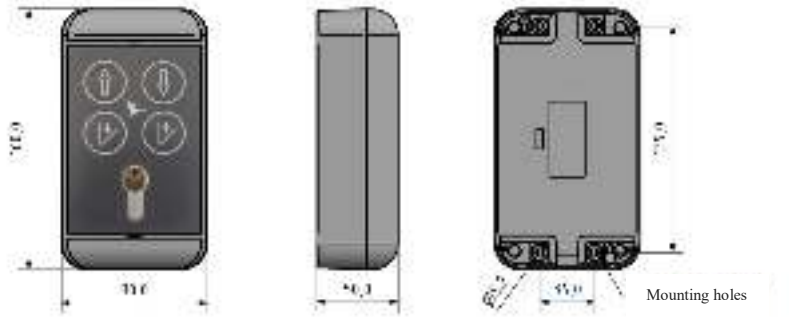
Sometimes space limitations in front of the first step mean it is not possible to drive onto the platform using the two standard access ramps. In these cases, an additional access ramp must be fitted along the long edge of the platform, with a roll bar on the lower side of the platform if required.

4.6. Folding seat

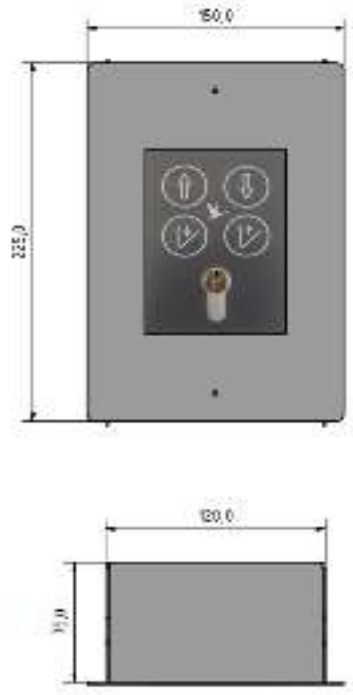
The folding seat allows the operator to sit while travelling on the stairlift. It is designed with a comfortable plastic surface. When the seat is not in use, it can be folded up to save space.

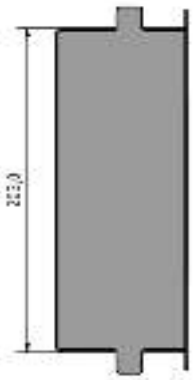
5. External controls /variants

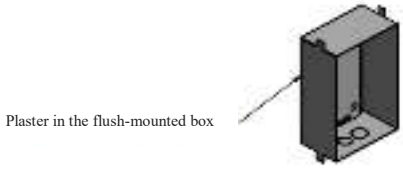
5.1. Surface mounted (Standard)

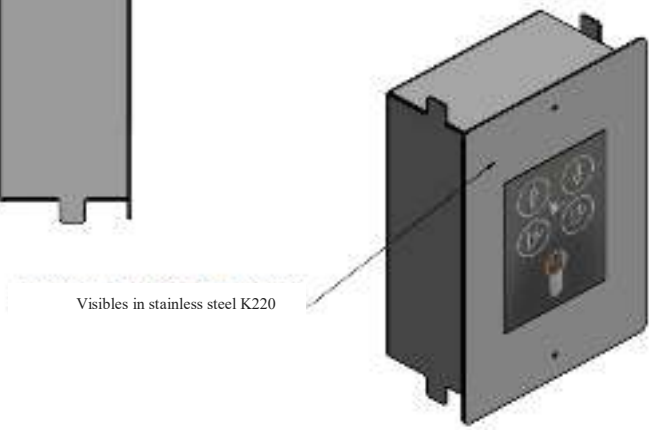


5.2. Flush mounted









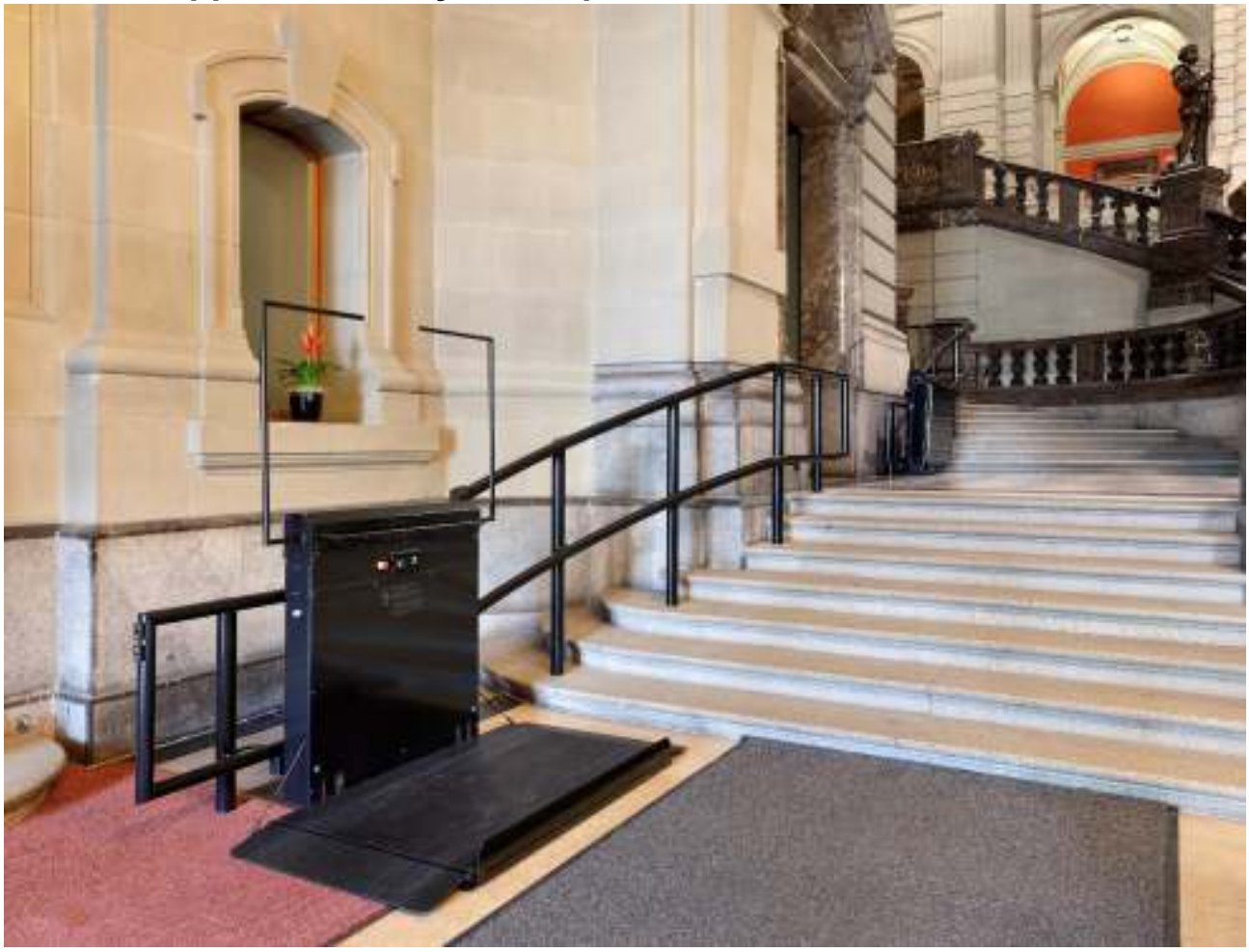
6. General technical data

Electrical supply	230V / 50 Hz
Number of trips	approx. 10 / hour
Motor power	0.6 kW
Nominal current	max. 13 A (depending on the version)
Starting current	16 A (depending on the version)
Speed	approx. 0.15 m / sec (soft start at start / stop)
Drive	rack with gear
Variant	battery version
Roadway	stainless steel tube 42.2 mm, can also be used as a handrail
Slope	up to 60°
Load capacity	up to 300 kg
Platform size	Standard platform size 1000 x 800 mm (smaller sizes at no extra charge), max. 1000 x 1000 mm (special sizes also possible)
Color	all RAL colors possible, special colors on request or stainless steel in K400 or K800

7. Installations

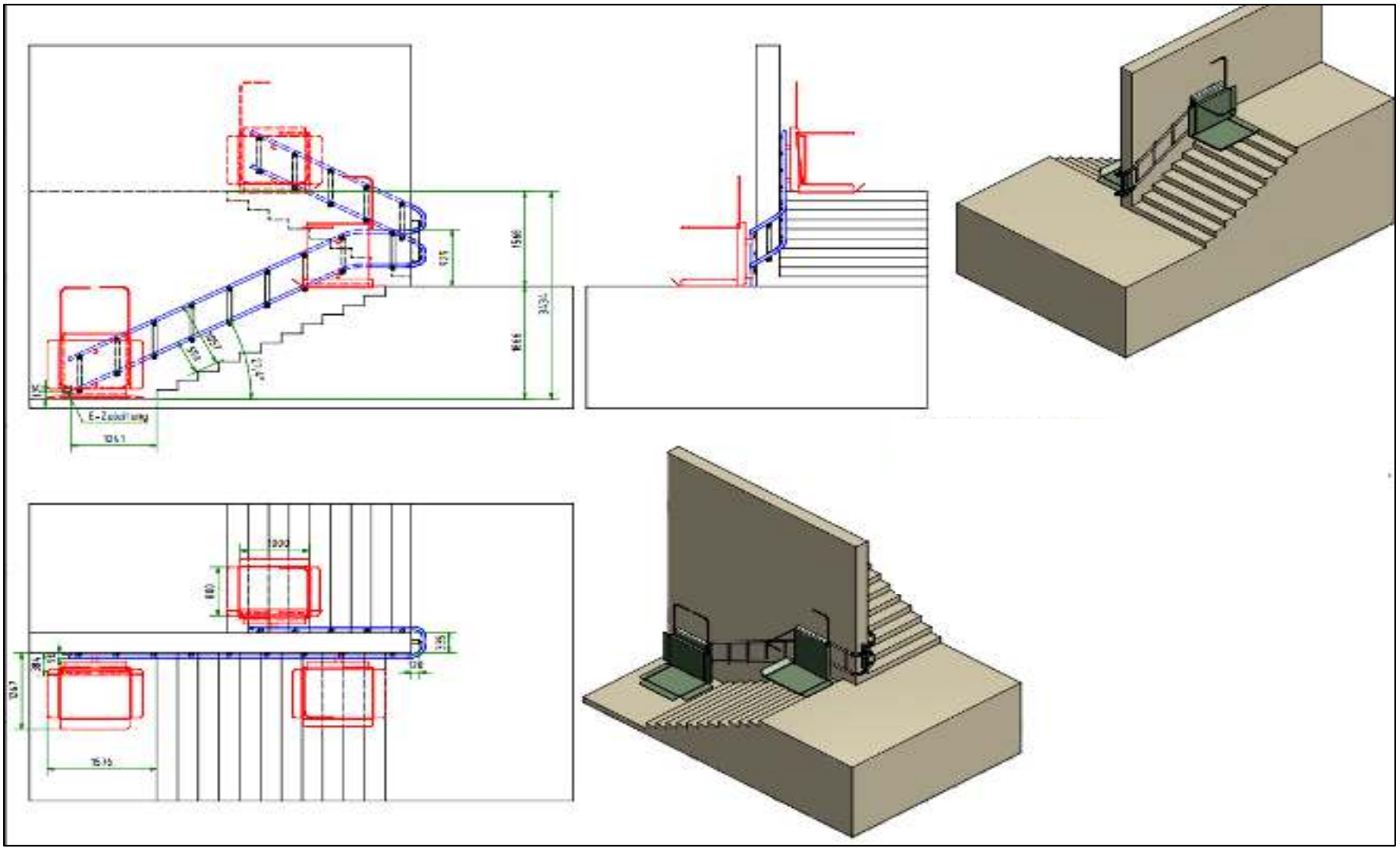
7.1 Wall mounted / Examples

7.2 Support assembly / Examples

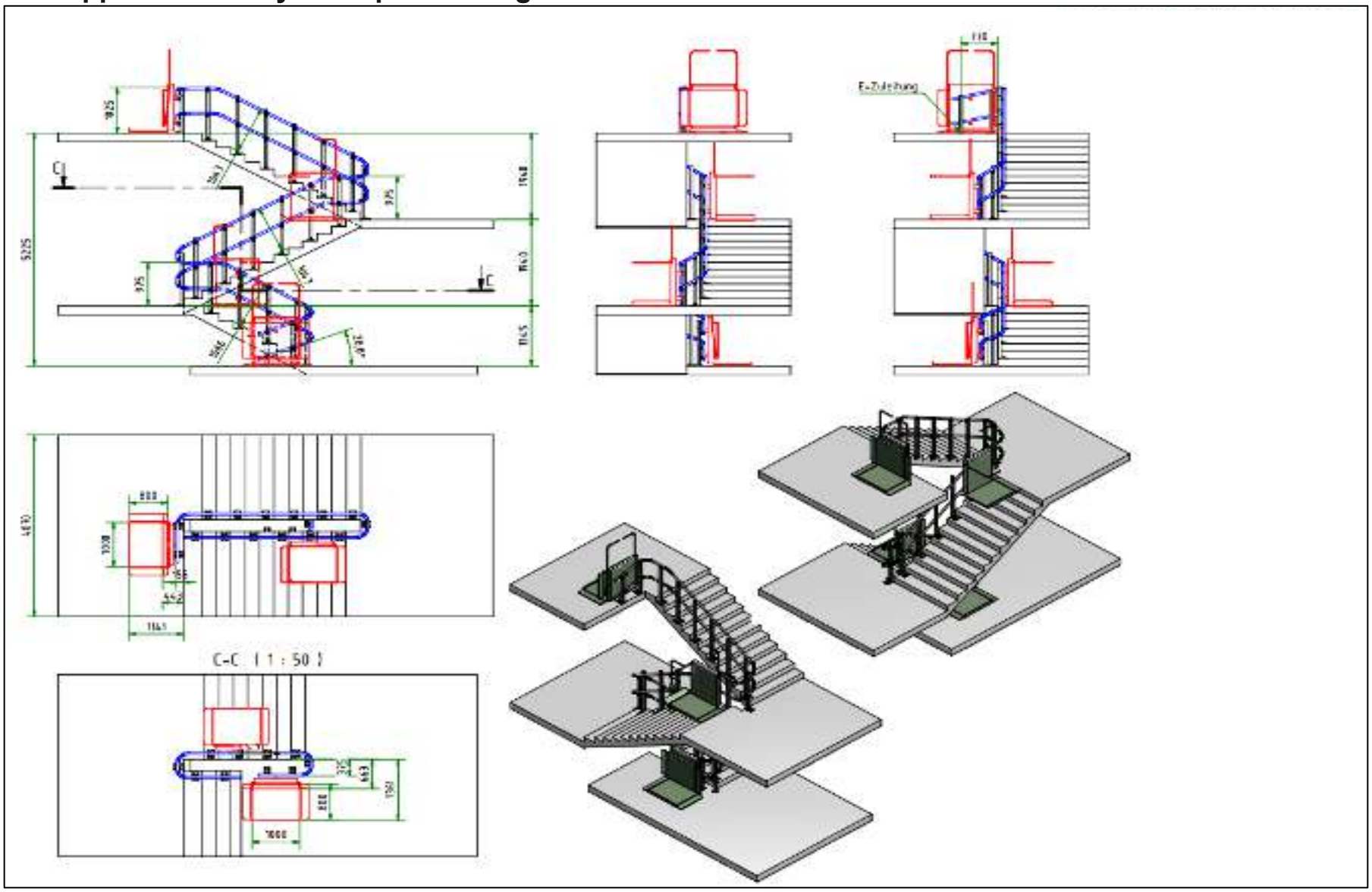


8 Sample drawings

8.1 Wall mounted / Sample drawing



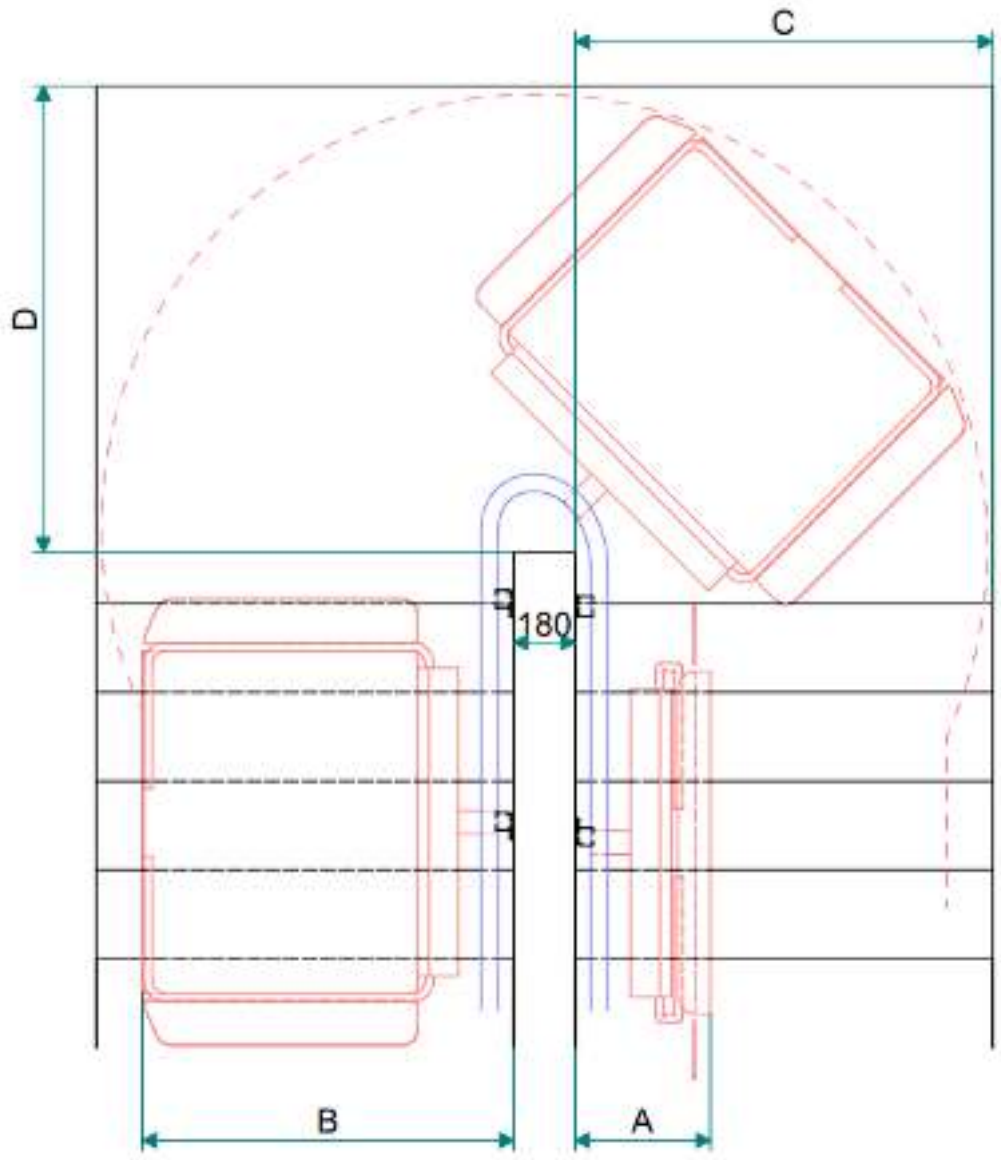
8.2 Support assembly / Sample drawing



9 Minimum dimensions for various platform sizes

9.1 180° curve with inclination

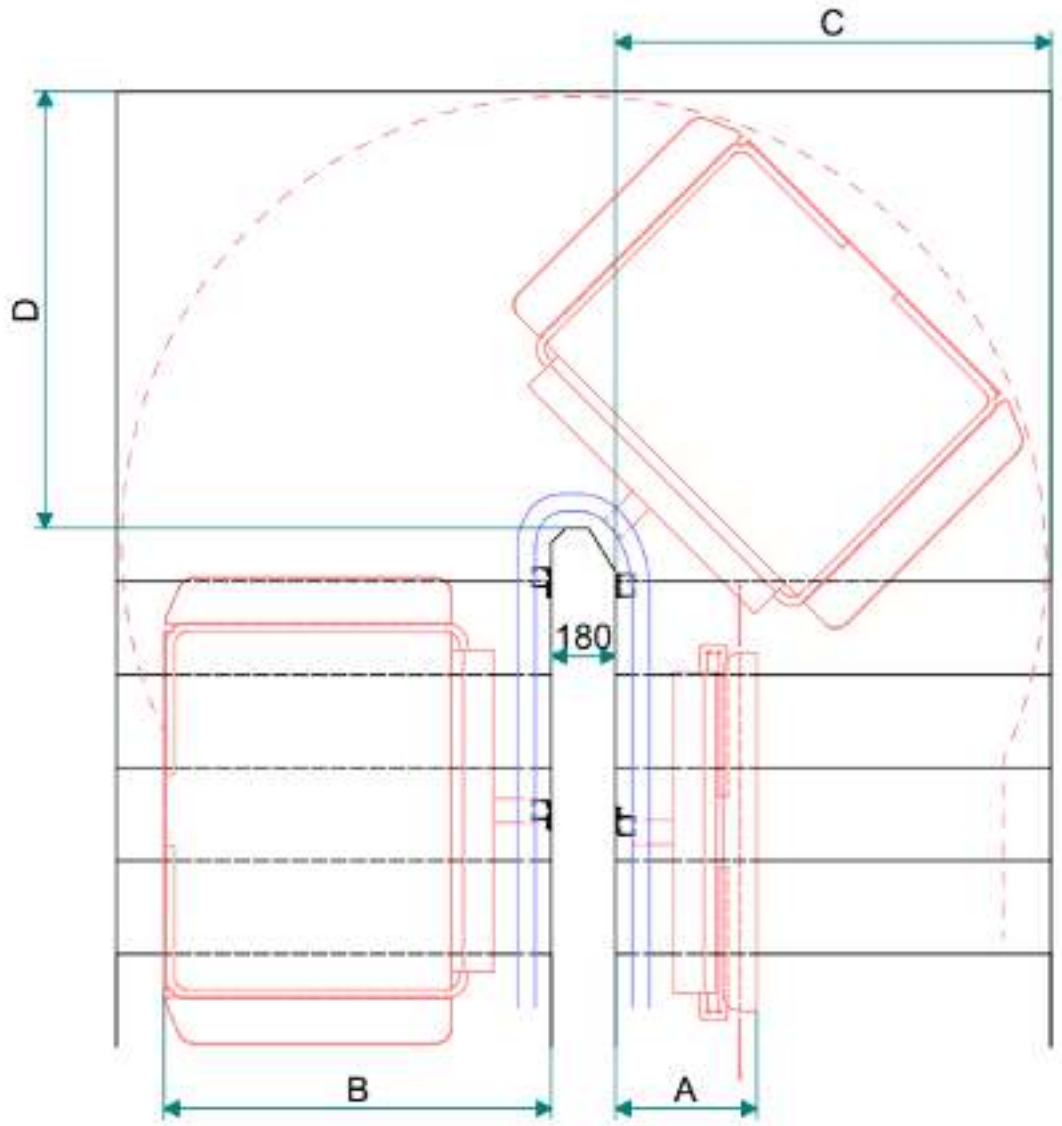
	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	395	395	395	395	395	395	395
B: Plattform opend [mm] *	886	936	986	1036	1086	1086	1086
C: minimum staircase [mm] *	1020	1060	1110	1150	1195	1220	1260
D: minimum slewing range [mm] *	1160	1200	1250	1290	1335	1360	1400



* with front ramp +100mm

9.2 180° curve and wall bevelled (in the area from the rail)

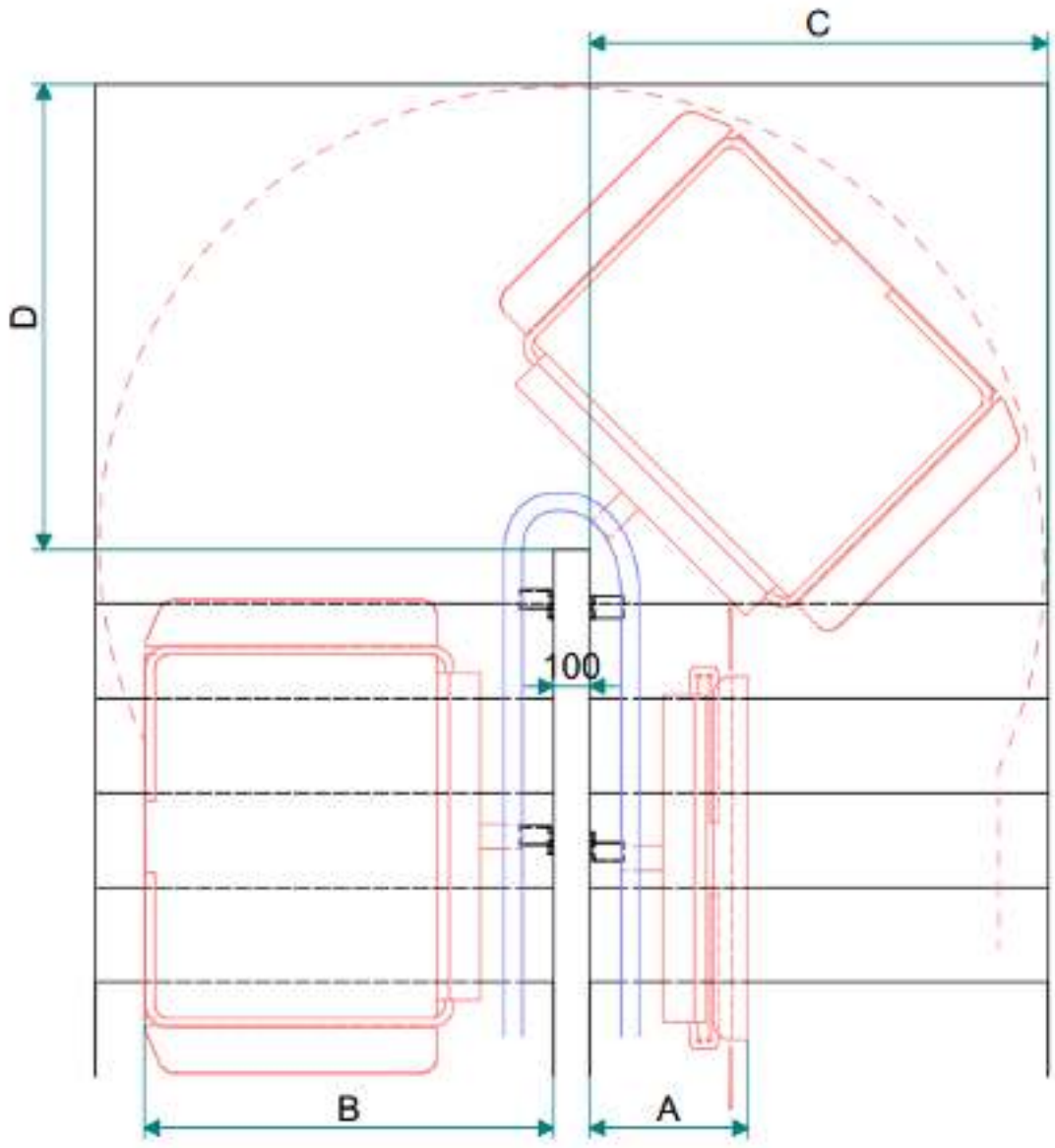
	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	395	395	395	395	395	395	395
B: Plattform opend [mm] *	886	936	986	1036	1086	1086	1086
C: minimum staircase [mm] *	1020	1060	1110	1150	1195	1220	1260
D: minimum slewing range [mm] *	1020	1060	1110	1150	1195	1220	1260



* with front ramp +100mm

9.3 180° curve with longer lugs

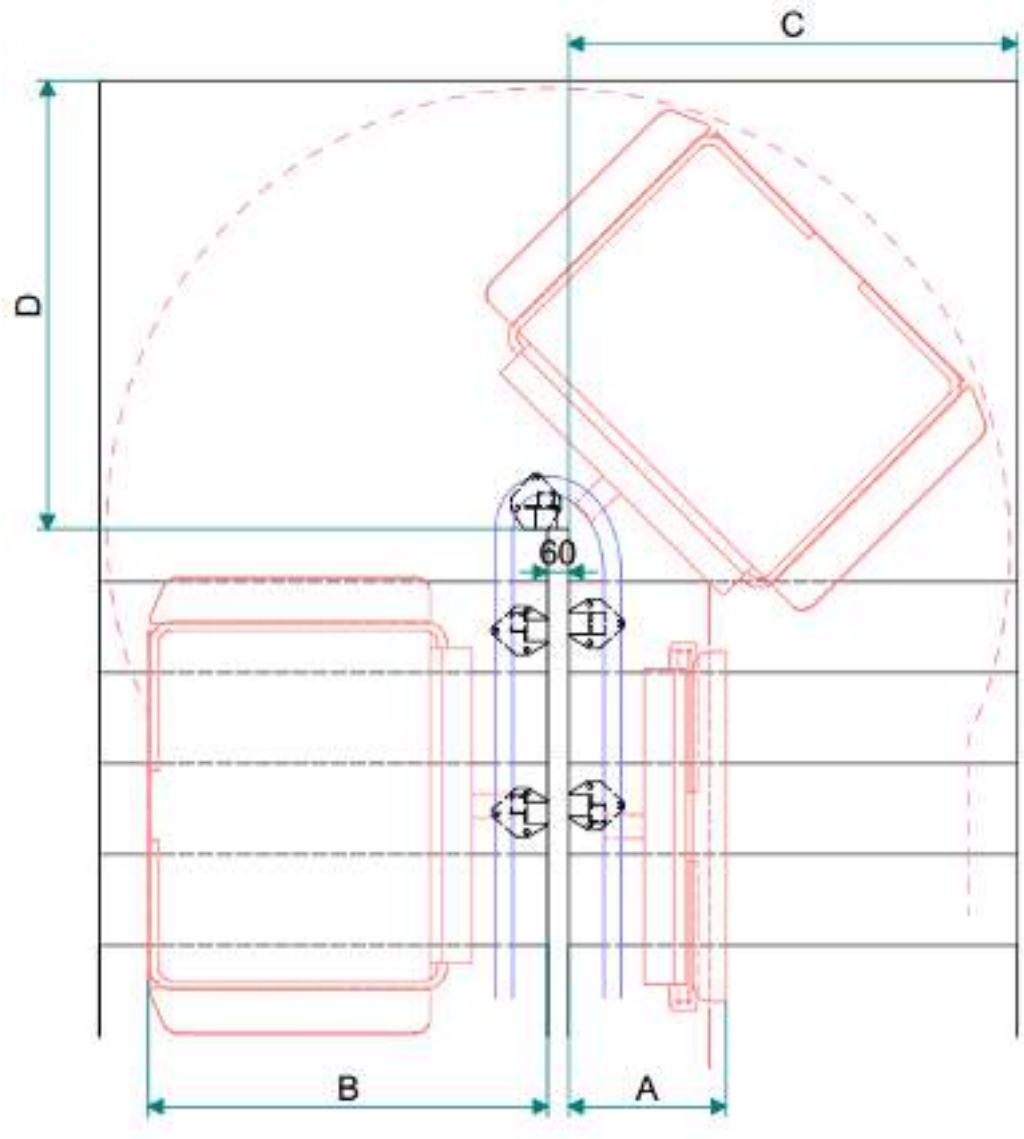
	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	435	435	435	435	435	435	435
B: Plattform opend [mm] *	1026	1076	1126	1176	1226	1226	1226
C: minimum staircase [mm] *	1060	1100	1150	1190	1235	1260	1300
D: minimum slewing range [mm] *	1080	1120	1170	1210	1255	1280	1320



* with front ramp +100mm

9.4 180° curve with columns

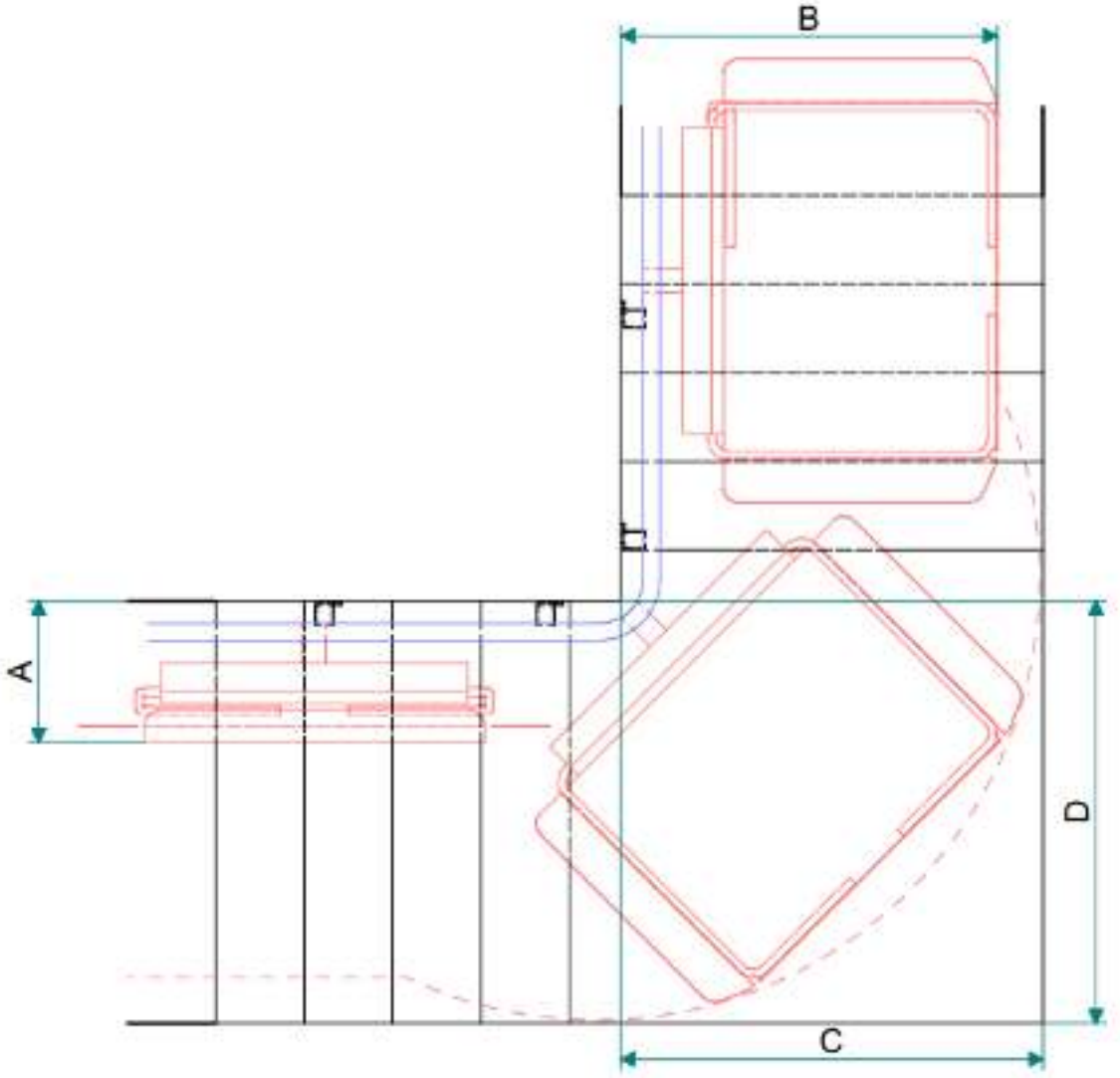
	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	449	449	449	449	449	449	449
B: Plattform opend [mm] *	940	990	1040	1090	1140	1140	1140
C: minimum staircase [mm] *	1080	1120	1170	1210	1255	1280	1320
D: minimum slewing range [mm] *	1080	1120	1170	1210	1255	1280	1320



* with front ramp +100mm

9.5 90° curve with longer lugs

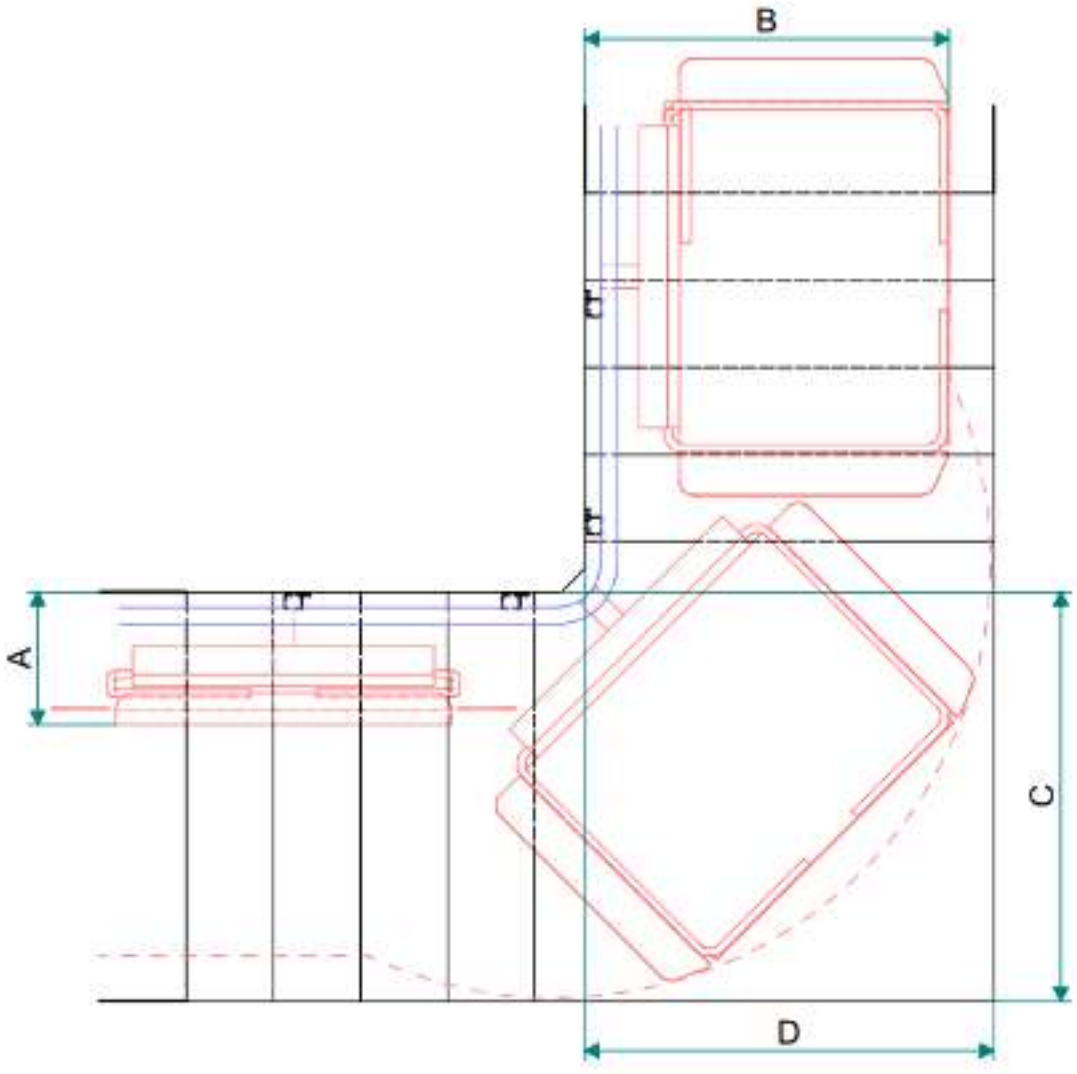
	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	415	415	415	415	415	415	415
B: Plattform opend [mm] *	906	956	1006	1056	1106	1106	1106
C: minimum staircase [mm] *	1040	1080	1130	1170	1215	1240	1280
D: minimum slewing range [mm] *	1040	1080	1130	1170	1215	1240	1280



* with front ramp +100mm

9.6 90° curve and wall bevelled (in the area from the rail)

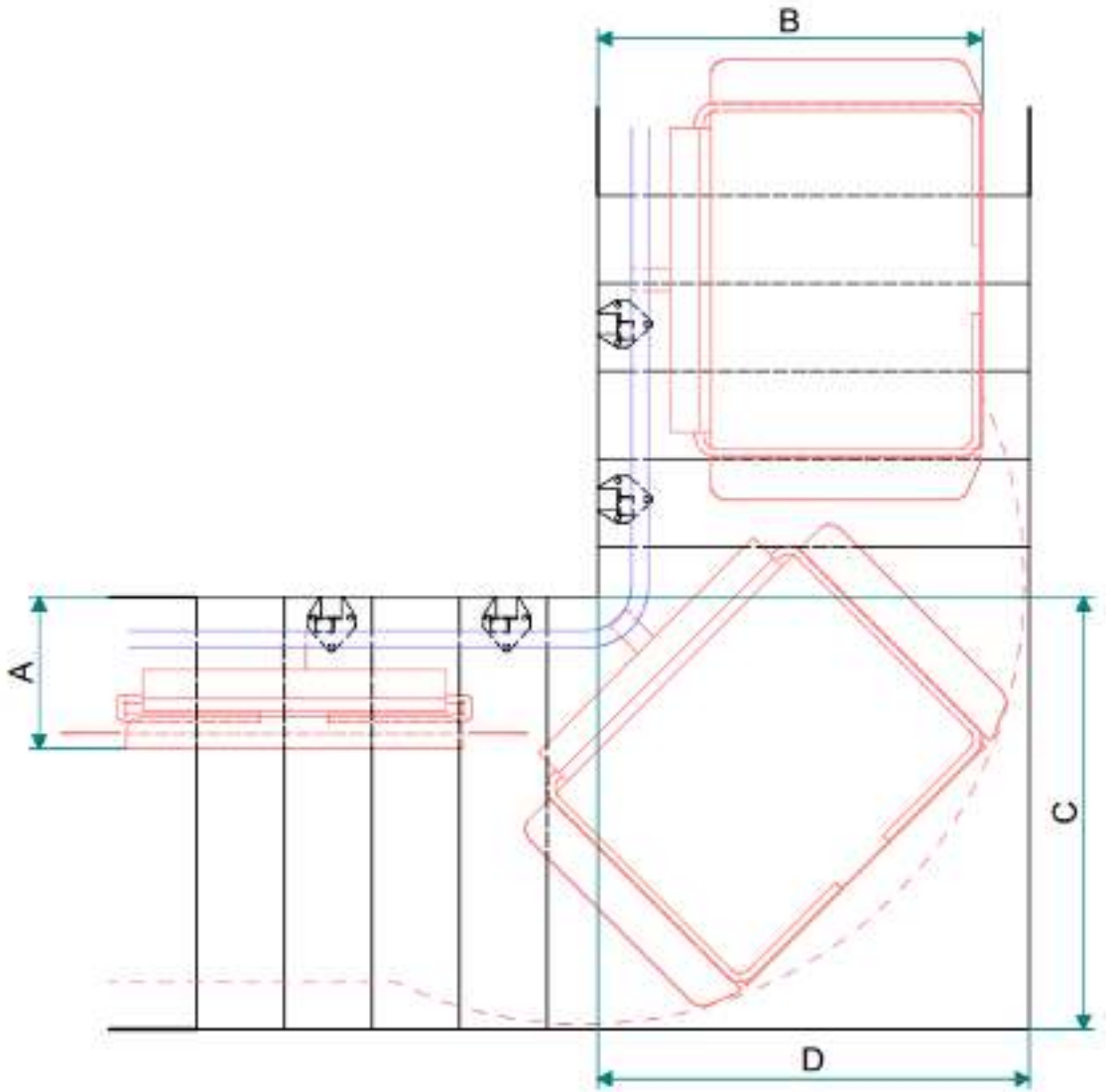
	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	395	395	395	395	395	395	395
B: Plattform opend [mm] *	886	936	986	1036	1086	1086	1086
C: minimum staircase [mm] *	1020	1060	1110	1150	1195	1220	1260
D: minimum slewing range [mm] *	1020	1060	1110	1150	1195	1220	1260



* with front ramp +100mm

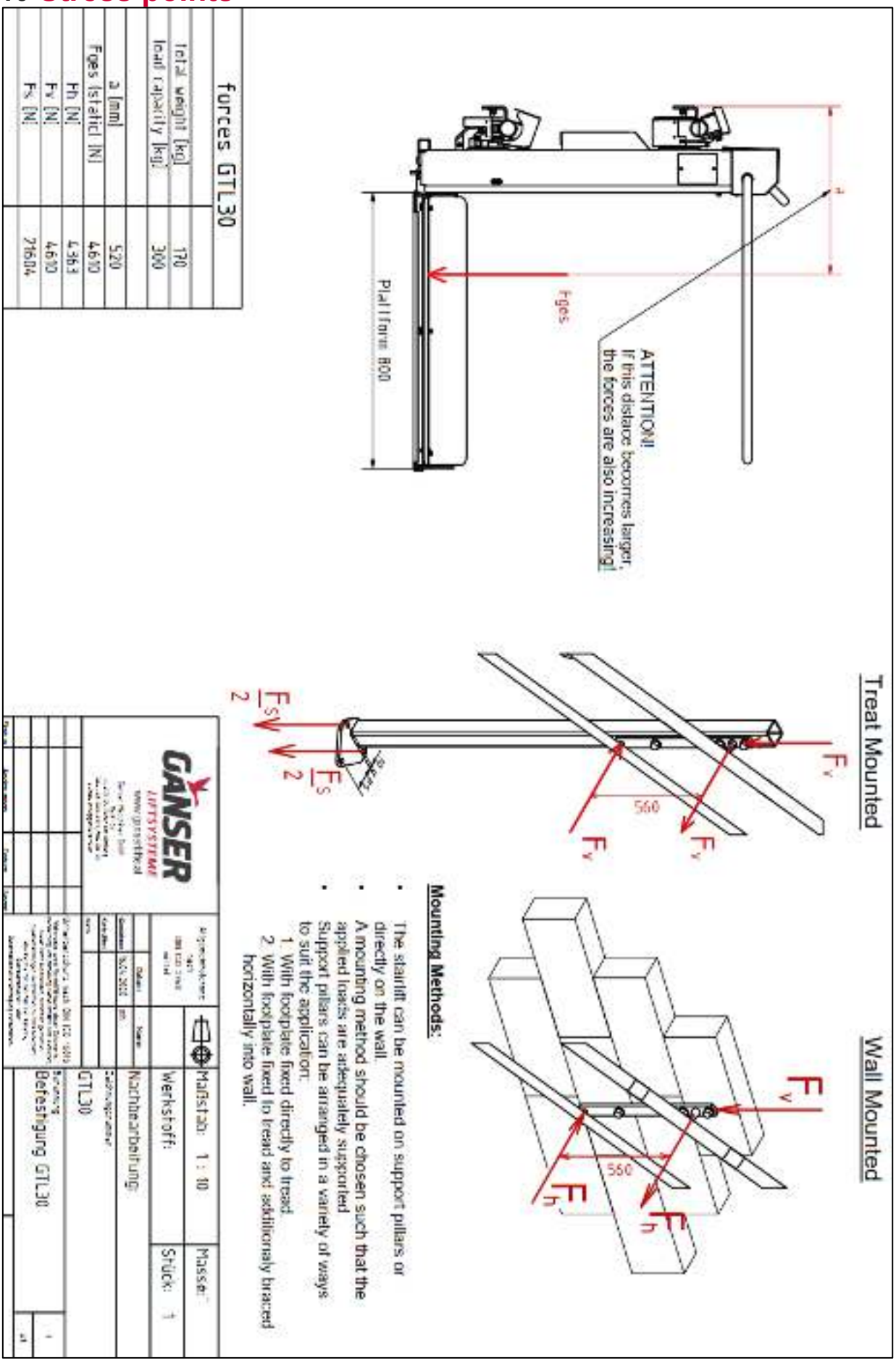
9.7 90° curve and columns

	600x900	650x900	700x900	750x900	800x900	800x1000	800x1200
A: platform closed [mm]	449	449	449	449	449	449	449
B: Plattform opend [mm] *	940	990	1040	1090	1140	1140	1140
C: minimum staircase [mm] *	1080	1120	1170	1210	1255	1280	1320
D: minimum slewing range [mm] *	1080	1120	1170	1210	1255	1280	1320

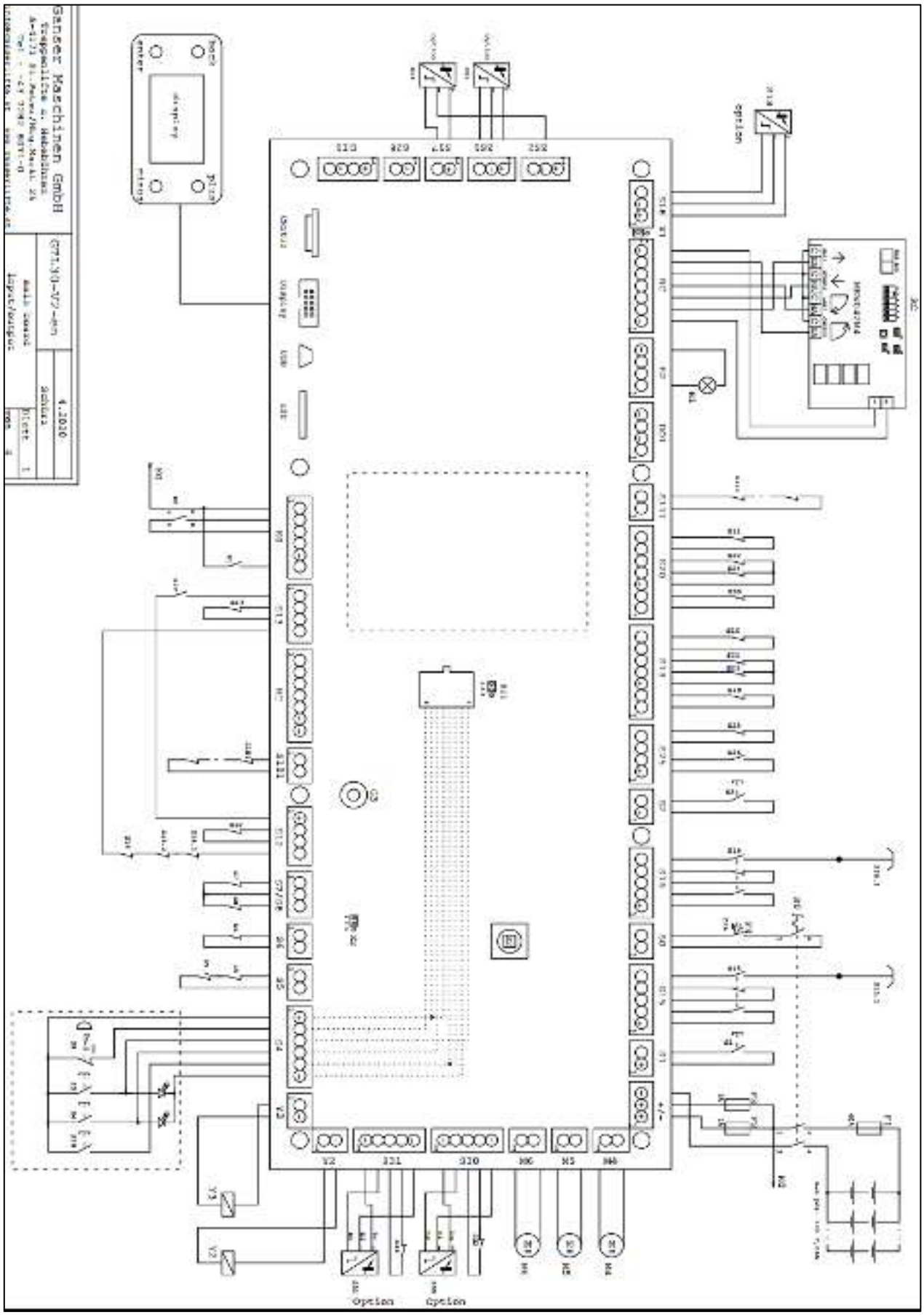


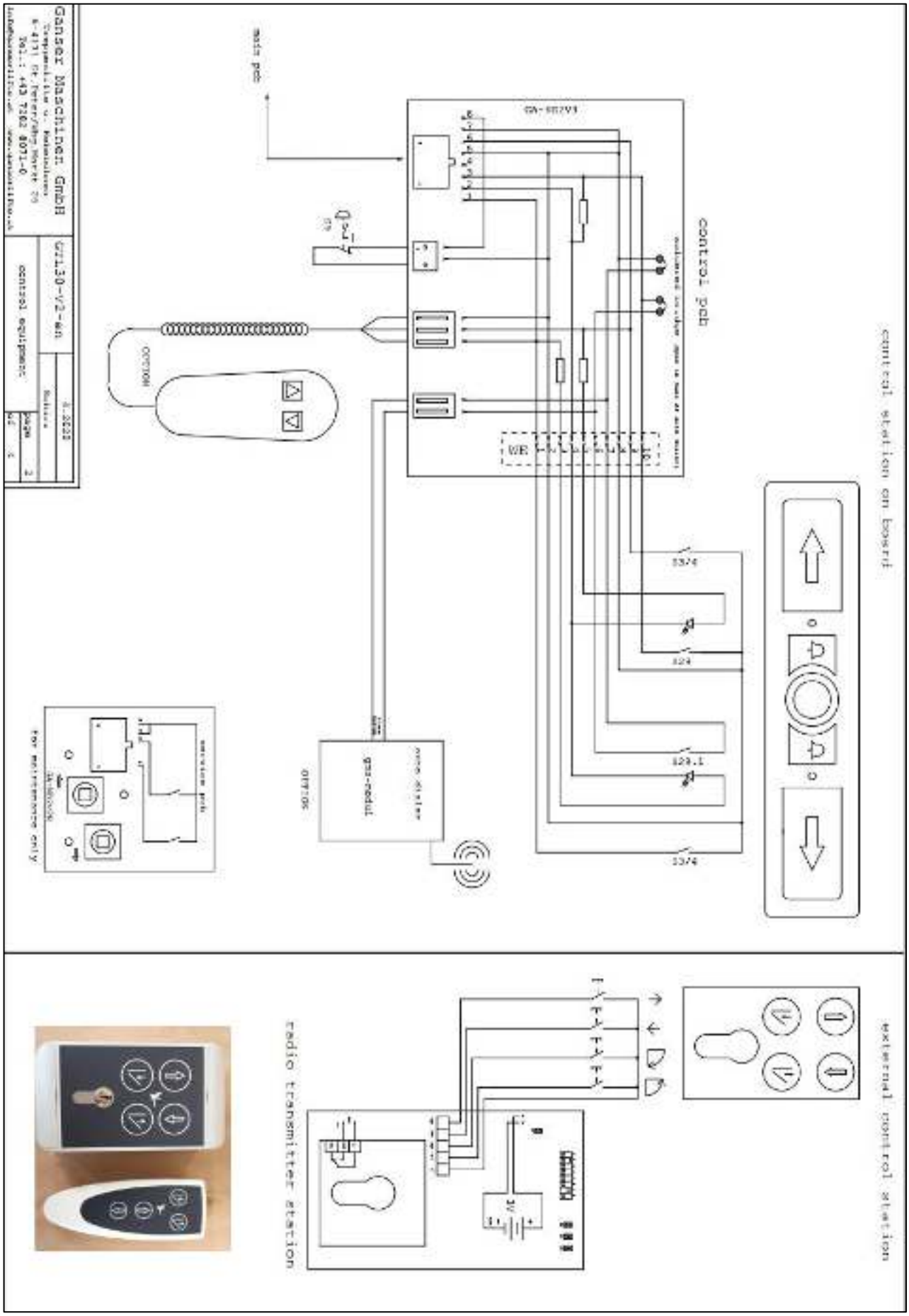
* with front ramp +100mm

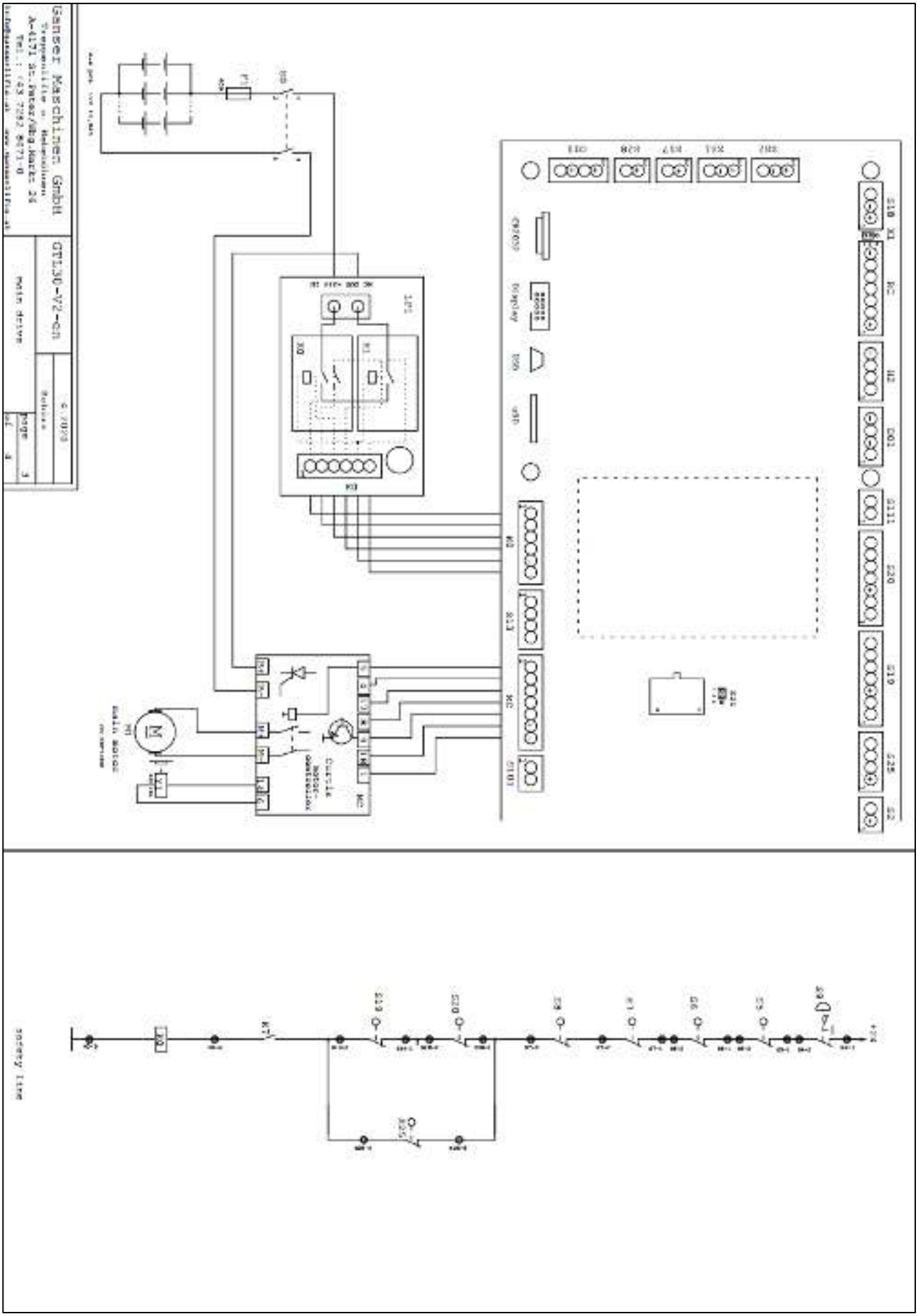
10 Stress points

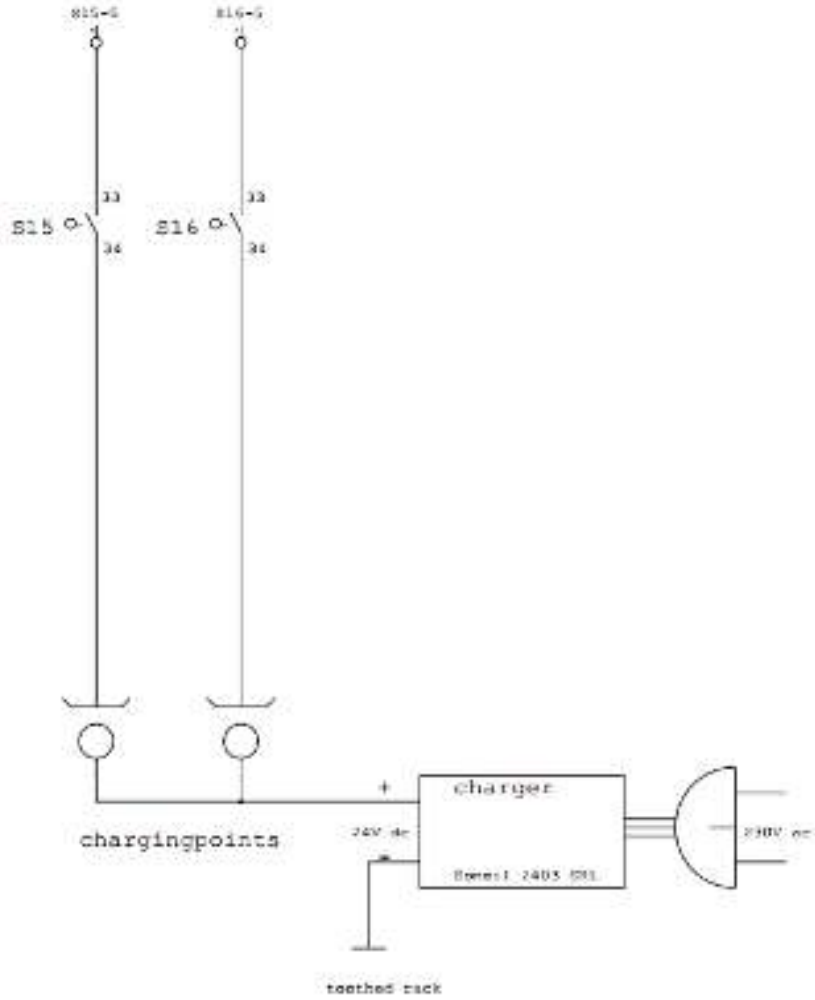


11 Electrical drawing




Ganser Maschinen GmbH
GM130-V2-en
control equipment
main pcb
control pcb
WE
gas-pedal
control station on board
external control station
radio transmitter station
for maintenance only





F1	main fuse 60A
F2	controller fuse 1A
F3	extra fuse 5A
F4	charging fuse resetable 5A
G3	buzzer
H1	flashing light(option)
K0	main contactor
K1	safety contactor
M1	main motor
M4	platform folding motor
M5	arm motor mountain side
M6	arm motor valley side
MC	motor controller
RC	remote receiver
S0	main switch
S1	reset button
S2	emergency platform opening
S2.1	emergency platform opening external
S3	command up
S4	command down
S5	overspeed governor
S5.1	chain switch
S6	hand crank
S7	overtravel mountain side
S8	overtravel valley side
S9	emergency stop
S10	upper side cover mountain side
S10!	lower side cover mountain side
S11	upper side cover valley side
S11!	lower side cover valley side
S12	small ramp mountain side
S13	small ramp valley side
S14	contact fixer
S14.1	rear side of top cover left
S14.2	rear side of top cover right
S15	upper landing
S15.1	sliding contact upper landing
S16	lower landing
S16.1	sliding contact lower landing
S17	intermediate landing
S18	park landing
S19	arm horizontal mountain side
S20	arm horizontal valley side
S21	arm lowered mountain side
S22	arm lowered valley side
S23	arm high mountain side
S24	arm high valley side
S25	platform vertical
S26	platform horizontal
S27	overload platform
S28	overload motor platform - option
S29	emergency call
S30	safety sensor arm mountain side
S31	safety sensor arm valley side
S32	observe arm mountain side
S33	observe arm valley side
X1	pnp/npn remote receiver commands
X2	pnp/npn command buttons
X21	jumper (both arms up at lower landing)
Y1	electric brake 24V 0,5A
Y2	solenoid arm mountain side
Y3	solenoid arm valley side
Z21	counting sensor 1
Z22	counting sensor 2

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12 Type examination

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서

TÜV AUSTRIA

EG-Baumusterprüfbescheinigung
Certificate of EC type examination

Nr.: TÜV-A-MHF/MG 09-03488 VV

gemäß Richtlinie 2006/42/EG (Maschinen) - Verlängerung
according to the Directive 2006/42/EC (Machinery) - extension

Auftraggeber: *Applicant:*	Ganser Maschinen GmbH Markt 26 A-4171 St. Peter am Wimberg	**Hersteller:** *Manufacturer:*	siehe Auftraggeber *see applicant*
Produkt: *Product:*	**Treppenschrägaufzug für den Personentransport**	**Zubehör:** *Accessories:*	--
Typ: *Type:*	**Plattform-Treppenlift GTL-30, GTL 30 Akku**		
Beschreibung: *Description:*	Plattform-Treppenlift mit Kurvenfahrt für Personen mit eingeschränkter Mobilität, mit integrierter Fangvorrichtung, Geschwindigkeit < 0,15 m/sek., Tippbetrieb		

Inspektionsgrundlage gemäß EN ISO/IEC 17020:
Tested according to Inspection Body EN ISO/IEC 17020:
Richtlinie 2006/42/EG idgF
Directive 2006/42/EC in the current version

Mitgeltende Prüfgrundlagen:
Applicable standards:
EN ISO 12100, EN ISO 13849, EN ISO 13850, EN ISO 13857, EN ISO 14118, EN ISO 13854, EN 60204-1, EN 81-40
(Anwendung gemäß Risikobeurteilung / *application according to risk assessment*)

Bemerkungen:
Remarks:
Hebeanlage und Fangvorrichtung sind als geprüfte Einheit zu sehen

Hiermit bestätigt die TÜV AUSTRIA SERVICES GMBH als Notifizierte Stelle (ID-Nr. 0408), dass das oben angeführte Produkt den grundlegenden Sicherheits-Anforderungen der Richtlinie 2006/42/EG entspricht. Grundlage dieser Bescheinigung ist das zur Prüfung vorgelegte Prüfmuster und die technische Dokumentation.
Gemäß Artikel 5 und Anhang III ist am Produkt die CE-Kennzeichnung vorgesehen.

Hereby TÜV AUSTRIA SERVICES GMBH certifies as Notified Body (ID-No 0408), that the above-mentioned product meets the essential safety requirements of the Directive 2006/42/EC. The certificate is based on the test specimen and the technical documentation subjected to the test.
According to Article 5 and annex III the CE mark is foreseen to be affixed on the product.

Prüfbericht: TÜV-A/MHF/MG 09-03488 v. 05.01.2010
Test Report:

26.01.2010 / 02.04.2015
Datum Ausstellung / Verlängerung V
Date of issue / extension V

01.02.2020
Datum
date

TÜV AUSTRIA SERVICES GMBH
TÜV
Ing. Andreas Oberweger
Notifizierte Stelle 0408
notified body 0408

31.01.2025
verlängert bis
extended till

09-03488VV cba GANSER GTL-30 MRL-MG BMP Ver1.docx

TÜV AUSTRIA SERVICES GMBH
Industry and Energy
Anlagen- und Maschinensicherheit

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http://www.tuv.at

010594-19-1

Gültigkeit von EG-Baumusterprüfbescheinigungen

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   Eine Bescheinigung wird auch ohne besondere Mitteilung der TÜV AUSTRIA SERVICES GMBH ungültig, wenn die auf der Bescheinigung angegebene Gültigkeitsdauer abgelaufen ist.

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   (b) Produkte für Endbenutzer oder Dritte eine Gefährdung darstellen,
   (c) zum Zeitpunkt der Prüfung Tatsachen nicht oder nicht richtig gesehen und beurteilt worden sind oder auch nicht erkennbar waren, die einer positiven Bewertung entgegengestanden hätten - hierzu gehört z. B. auch eine fehlerhafte Kategorisierung von Produkten in bestimmte Risikoklassen oder die Einordnung nach Verwendungszweckarten und zwar auch aufgrund eines von der Notifizierten Stelle (TÜV AUSTRIA SERVICES GMBH) zu verantwortenden Fehlers oder Mangels bei der Prüfung,
   (d) bei wiederkehrenden Überwachungen, bei Marktkontrollen oder sonst sich nachträglich herausstellenden Produkt- oder Systemmängel, die nicht vom Bescheinigungsinhaber in einer angemessenen Frist abgestellt werden,
   (e) der Bescheinigungsinhaber die wiederkehrenden Überwachungstätigkeiten der Notifizierten Stelle (TÜV AUSTRIA SERVICES GMBH) nicht durchführen lässt oder die ordnungsgemäße Durchführung behindert oder einschränkt,
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   (g) irreführende oder anderweitig unzulässige Werbung mit den Bescheinigungen betrieben wird,
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3. Verfahren zum Bescheinigungs-Entzug

   Die Bescheinigung ist im Falle der Ungültigkeitserklärung unverzüglich im Original an die TÜV AUSTRIA SERVICES GMBH zurückzugeben.
   Der Notifizierten Stelle (TÜV AUSTRIA SERVICES GMBH) wird die Veröffentlichung von Einschränkungen, Aussetzungen, Ungültigkeitserklärungen und Zurückziehungen sowie Löschungen von Bescheinigungen vom Auftraggeber gestattet.

Validity of EC Type Examination Certificates

1. Expiry of certificates

   A certificate expires even without special notice by TÜV AUSTRIA SERVICES GMBH when the expiry date specified on the product certificate is reached.

2. Restriction, suspension, cancellation, withdrawal of certificates

   Certificates can be restricted, suspended or cancelled and withdrawn with immediate effect by the Notified Body (TÜV AUSTRIA SERVICES GMBH) if:
   (a) the certified product no longer corresponds to the approved type,
   (b) products represent a risk for end users or third parties,
   (c) facts precluding positive certification were not correctly seen or assessed at the time of the test or were not recognizable – this also includes e.g. incorrect categorization of products in defined risk classes or the classification according to types of intended uses, also if this is due to an error or fault of the certification for which the Notified Body (TÜV AUSTRIA SERVICES GMBH) is responsible,
   (d) defects of the product or of the system are detected in the course of repeated tests, market inspections or in any other way at a later moment and are not eliminated within a reasonable period by the holder of the certificate,
   (e) the holder of the certificate omits to have the repeated inspection carried out by the Notified Body (TÜV AUSTRIA SERVICES GMBH) or impedes or restricts its execution in due form,
   (f) certificates or copies of certificates were modified and therefore forged,
   (g) misleading or otherwise inadmissible promotion is made with product certificates,
   (h) due fees for the certification and/or product test are not paid by the holder of the certificate within the defined period.

3. Certificate withdrawal procedure

   If the certificate is declared invalid, its original copy has to be returned to the Notified Body (TÜV AUSTRIA SERVICES GMBH).
   The customer authorizes the Notified Body (TÜV AUSTRIA SERVICES GMBH) to publish restrictions, suspensions, cancellations and withdrawals as well as annulments of certificates.

Anhang zur EG-Baumusterprüfbescheinigung
Attachment to Certificate of EC-type examination
Nr.: TÜV-A-MHF/MG 09-03488 VV

Schematic representation of platform staircase lift GTL30