

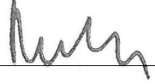
**Certificat de conformité CEE**  
(valable pour l'unité technique: barre de protection arrière)

Le soussigné Eike Rulfs  
certifie par la présente que l'unité technique: barre de protection arrière

marque : **MBB**  
type : **96-563.00-00.92-00**  
fabricant : **MBB Palfinger GmbH  
Postfach 1828  
D-27738 Delmenhorst**

est conforme, à tous les égards, au type décrit dans  
la réception CEE n° e4\*70/221\*2006/20\*0206\*06  
du 15.11.2011

La barre de protection arrière peut être agréée en vue de l'utilisation permanente sur  
les voies publiques sans nécessité d'une autorisation supplémentaire.

Hoykenkamp  16.11.2011  
Signature

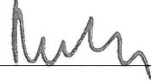
**EEC- Certificate of conformity**  
(valid for the technical unit underride protection)

It is herewith confirmed by  
the undersigned Eike Rulfs  
that the technical unit underride protection

Brand : **MBB**  
Type : **96-563.00-00.92-00**  
Manufacturer : **MBB Palfinger GmbH  
Postfach 1828  
D-27738 Delmenhorst**

is in all aspects in conformity with the unit described in the  
EEC type homologation No. e4\*70/221\*2006/20\*0206\*06  
dated November 15, 2011.

The underride protection can be admitted to continuous use  
in traffic without any further licence.

Hoykenkamp  16.11.2011  
Signature

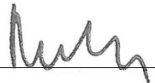
**EWG- Übereinstimmungsbescheinigung**  
(gültig für technische Einheit Unterfahrschutz)

Der Unterzeichner Eike Rulfs  
bestätigt hiermit, das die technische Einheit, Unterfahrschutz

Fabrikmarke : **MBB**  
Typ : **96-563.00-00.92-00**  
Hersteller : **MBB Palfinger GmbH  
Postfach 1828  
D-27738 Delmenhorst**

mit dem in der  
EWG-Betriebserlaubnis Nr. e4\*70/221\*2006/20\*0206\*06 vom 15.11.2011  
beschriebenem Typ in jeder Hinsicht übereinstimmt.

Der Unterfahrschutz kann zur fortwährenden Teilnahme am Straßenverkehr ohne  
weitere Genehmigung zugelassen werden.

Hoykenkamp  16.11.2011  
Unterschrift

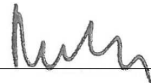
**CEE- Certificado de conformidad**  
(válido para la unidad técnica barra protectora trasera)

El abajo firmante Eike Rulfs  
certifica con la presente que la unidad técnica, barra protectora trasera

Marca de fábrica : **MBB**  
Tipo : **96-563.00-00.92-00**  
Fabricante : **MBB Palfinger GmbH  
Postfach 1828  
D-27738 Delmenhorst**

coincide en todos los aspectos con el tipo descrito en la  
homologación de la CEE n° e4\*70/221\*2006/20\*0206\*06 del 15.11.2011

La barra protectora trasera es aprobada para tomar parte continuamente en la  
circulación sin necesidad de otra autorización.

Hoykenkamp  16.11.2011  
Firma

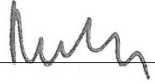
**EG-verklaring van overeenstemming**  
(Geldig voor technische eenheid onderrijbeveiliging)

De ondergetekende: Eike Rulfs  
bevestigt hierbij dat de technische eenheid, onderrijbeveiliging

Fabrieksmerk : **MBB**  
Type : **96-563.00-00.92-00**  
Fabrikant : **MBB Palfinger GmbH  
Postfach 1828  
D-27738 Delmenhorst**

in ieder opzicht overeenstemt met het in de  
EEG-gebruiksvergunning nr. e4\*70/221\*2006/20\*0206\*06 van 15.11.2011  
beschreven type.

De onderrijbeveiliging kan voor permanente deelname aan het wegverkeer zonder  
verdere vergunning worden toegelaten.

Hoykenkamp  16.11.2011  
Handtekening

Unterfahrschutz  
EWG-Übereinstimmungsbescheinigung  
96-563.00-00.90-02/4 Bl. 1  
A 20632 16.11.2011

**INFORMATION DOCUMENT No 96-563.00-00.92-00**  
**relating to EC type-approval as a separate technical unit with respect**  
**of a rear underrun protective device**  
(Directive 70/221/EEC as last amended by Directive 2006/96/EC )

## 0 GENERAL

- |     |                                                                                                                 |                                                                                    |
|-----|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 0.1 | Make ( trade name of manufacturer)                                                                              | MBB                                                                                |
| 0.2 | Type and general commercial discription(s)                                                                      | rear underrun protective device 96-563.00-00.92-00                                 |
| 0.5 | Name and address of manufacturer                                                                                | MBB Palfinger GmbH<br>Postfach 1828<br>27738 Delmenhorst                           |
| 0.7 | In the case of components and separate technical units, location and method of affixing of the EC approval mark | stand pipe EC sticker (see drawing) 96-563.00-00.92-00<br>EC sticker self adhesive |
| 0.8 | Address(es) of assembly plant(s)                                                                                | see 0.5                                                                            |

## 1 GERNERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE(S)

- |                                                                                                                                               |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| on which the device is intended to be fitted in so far as they relate to the rear underrun protection<br>(attach photographs and/or drawings) | chassis frame design with longitudinal profile [ and / or I<br><br>minimum requirement : frame St 37-2 $R_e \geq 210 \text{ N/mm}^2$ |
| 1.1 Minimum sum of the moments of inertia about the horizontal axis of the chassis side-members in cross-section                              | mainframe and / or auxiliary frame of one side :<br><br>moment of resistance $W_{x\min.} \geq 150 \text{ cm}^3$                      |
| 1.2 Distance between the chassis side-members at the mounting points of the device                                                            | 645 - 1500 mm                                                                                                                        |

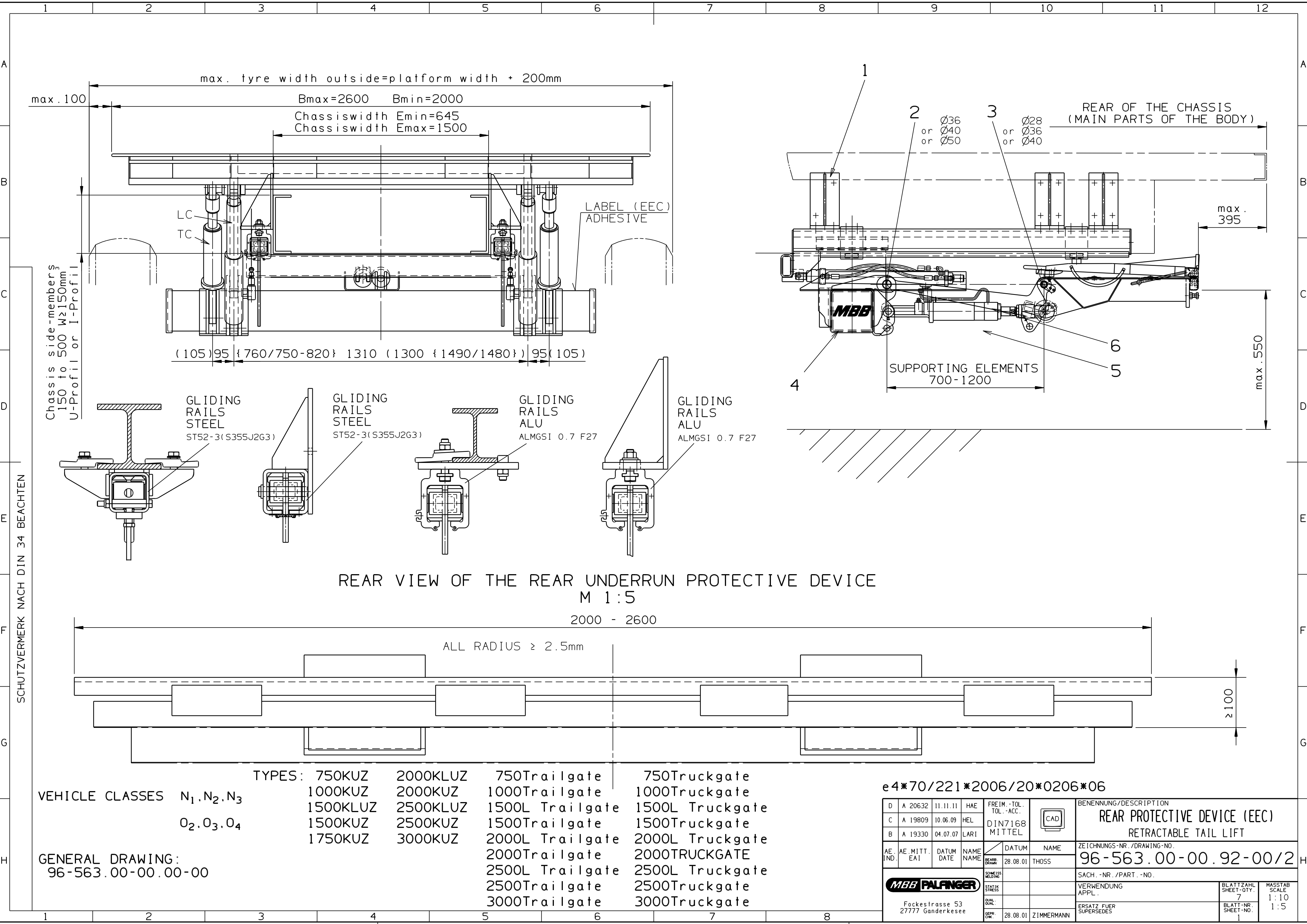
## 2 MASS AND DIMENSIONS

- |     |                                           |                     |
|-----|-------------------------------------------|---------------------|
| 2.1 | Technically permissible maximum load mass | without limitations |
|-----|-------------------------------------------|---------------------|

## 3 BODYWORK

- |     |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1 | Full description and / or drawing of the rear underrun protective device (including mounting and fittings) | drawing 96-563.00-00.92-00 <b>SH 1</b> 11.11.11<br>for the types 750 - 3000 KUZ – Trailgate – Truckgate<br>drawing 96-563.00-00.92-00 <b>SH 2</b> 11.11.11<br>for the types 16R – 25R and 750 - 3000 KUZR<br>drawing 96-563.00-00.92-00 <b>SH 3</b> 11.11.11<br>for the types 1000 - 3000 KUZK<br>drawing 96-563.00-00.92-00 <b>SH 4</b> 11.11.11<br>for the types 1000 - 2500 KLUFR<br>drawing 96-563.00-00.92-00 <b>SH 5</b> 11.11.11<br>for the types 750 - 1000 KUZFM<br>drawing 96-563.00-00.92-00 <b>SH 6</b> 11.11.11<br>for the types 1500 - 2500 KLUZFM<br>drawing 96-563.00-00.92-00 <b>SH 7</b> 11.11.11<br>for the types 1000 - 2500 KLUZF(-BDF) |
|-----|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

11.11.11 



SCHUTZVERMERK NACH DIN 34 BEACHTEN

| VEHICLE CLASSES                                                                                  | TYPES: | 750      |          |                 |                 |
|--------------------------------------------------------------------------------------------------|--------|----------|----------|-----------------|-----------------|
|                                                                                                  |        | 750KUZ   | 2000KLUZ | 750Trailgate    | 750Truckgate    |
| N <sub>1</sub> .N <sub>2</sub> .N <sub>3</sub><br>O <sub>2</sub> .O <sub>3</sub> .O <sub>4</sub> |        | 1000KUZ  | 2000KUZ  | 1000Trailgate   | 1000Truckgate   |
|                                                                                                  |        | 1500KLUZ | 2500KLUZ | 1500L Trailgate | 1500L Truckgate |
|                                                                                                  |        | 1500KUZ  | 2500KUZ  | 1500Trailgate   | 1500Truckgate   |
|                                                                                                  |        | 1750KUZ  | 3000KUZ  | 2000L Trailgate | 2000L Truckgate |
| GENERAL DRAWING:<br>96-563.00-00.00-00                                                           |        |          |          | 2000Trailgate   | 2000TRUCKGATE   |
|                                                                                                  |        |          |          | 2500L Trailgate | 2500L Truckgate |
|                                                                                                  |        |          |          | 2500Trailgate   | 2500Truckgate   |
|                                                                                                  |        |          |          | 3000Trailgate   | 3000Truckgate   |

e4\*70/221\*2006/20\*0206\*06

|                                                        |               |            |           |                  |           |                              |                      |
|--------------------------------------------------------|---------------|------------|-----------|------------------|-----------|------------------------------|----------------------|
| D                                                      | A 20632       | 11.11.11   | HAE       | FREIM.-TOL.-ACC. | CAD       | BENENNUNG/DESCRIPTION        |                      |
| C                                                      | A 19809       | 10.06.09   | HEL       | DIN7168 MITTEL   |           | REAR PROTECTIVE DEVICE (EEC) |                      |
| B                                                      | A 19330       | 04.07.07   | LARI      |                  |           | RETRACTABLE TAIL LIFT        |                      |
| AE. IND.                                               | AE. MITT. EAI | DATUM DATE | NAME NAME | DATUM DATE       | NAME NAME | ZEICHNUNGS-NR./DRAWING-NO.   |                      |
|                                                        |               |            |           | 28.08.01         | THOSS     | 96-563.00-00.92-00/2         |                      |
| MBB PALFINGER<br>Fockesstrasse 53<br>27777 Ganderkesee |               |            |           |                  |           | SACH.-NR./PART.-NO.          |                      |
|                                                        |               |            |           |                  |           | VERWENDUNG APPL.             | BLATTZAHL SHEET-QTY. |
|                                                        |               |            |           |                  |           | ERSATZ FUER SUPERSEDES       | 7                    |
|                                                        |               |            |           |                  |           |                              | 1                    |
|                                                        |               |            |           |                  |           | MASSTAB SCALE                |                      |
|                                                        |               |            |           |                  |           | 1:10                         |                      |
|                                                        |               |            |           |                  |           | 1:5                          |                      |

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

A

B

C

D

E

F

G

H

A

B

C

D

E

F

G

H

Chassis side-members  
150 to 500 W≥150mm  
U-Profil or I-Profile

Bmax=2600 Bmin=2000

Chassiswidth Emin=645  
Chassiswidth Emax=1500

LC  
TC

LABEL (EEC)  
ADHESIVE

TIRE

TIRE

{ 760/750 } { 830-820 }  
1310 (1300) { 1490/1480 }

ROLLING  
RAILS  
STEEL  
ST 52-3

ROLLING  
RAILS  
STEEL  
ST 52-3

ROLLING  
RAILS  
STEEL  
ST 52-3

REAR VIEW OF THE REAR UNDERRUN PROTECTIVE DEVICE  
M 1:5

2000 - 2600

ALL RADIUS ≥ 2.5mm

≥100

2 3  
Ø36 or Ø40 or Ø50  
Ø28 or Ø36 or Ø40

REAR OF THE CHASSIS  
(MAIN PARTS OF THE BODY)

max.  
395

SUPPORTING ELEMENTS  
700-1200

max. 550

SCHUTZVERMERK NACH DIN 34 BEACHTEN

VEHICLE CLASSES N<sub>1</sub>, N<sub>2</sub>, N<sub>3</sub>  
O<sub>2</sub>, O<sub>3</sub>, O<sub>4</sub>

TYPES: 16 R  
16 R - 20 R  
25 R

750KUZR  
1000KUZR  
1250KUZR  
1500KLUZR  
1500KUZR

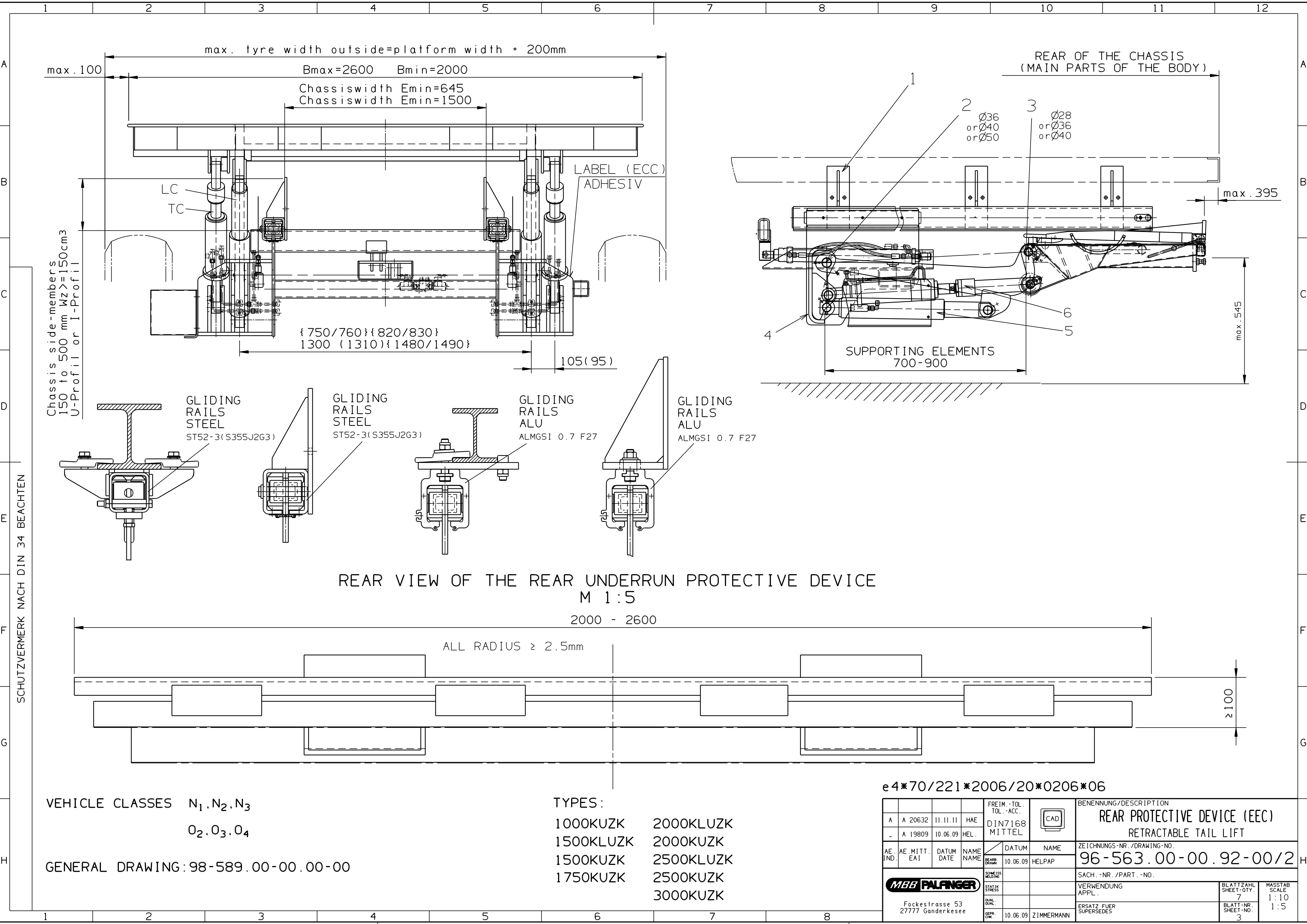
1750KUZR  
2000KLUZR  
2000KUZR  
2500KLUZR  
2500KUZR  
3000KUZR

GENERAL DRAWING:  
02-591.00-00.00-00

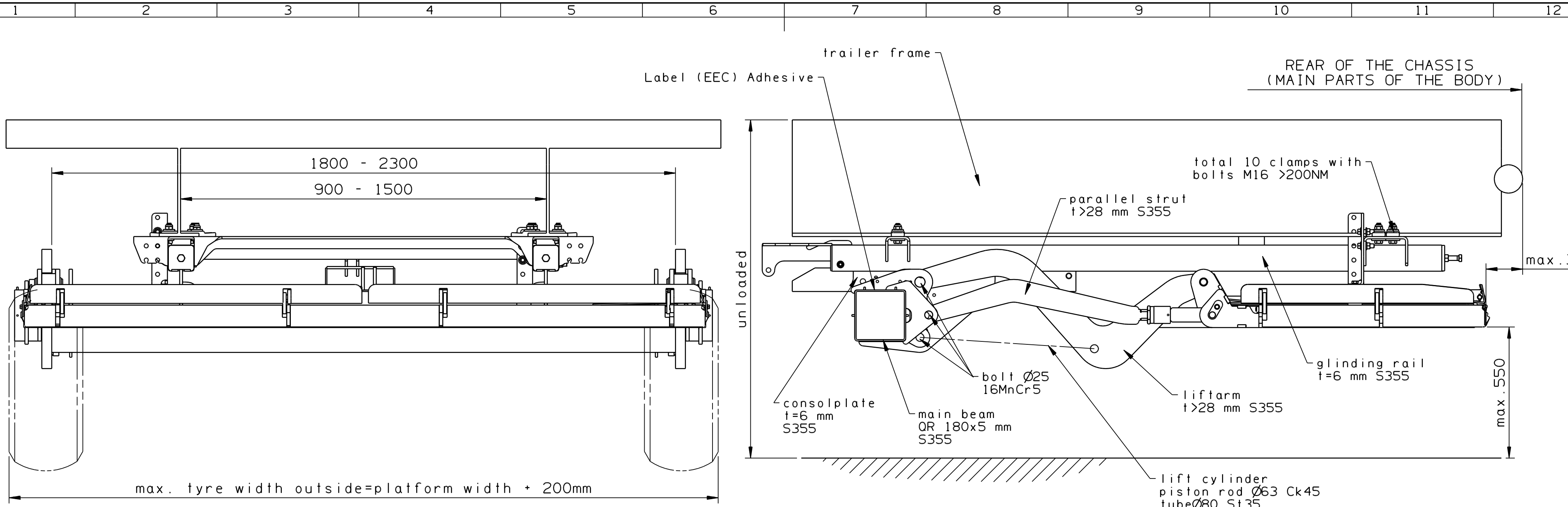
e4\*70/221\*2006/20\*0206\*06

|                                                       |               |            |           |                  |         |                              |               |
|-------------------------------------------------------|---------------|------------|-----------|------------------|---------|------------------------------|---------------|
| C                                                     | A 20632       | 11.11.11   | HAE       | FREIM.-TOL.-ACC. | CAD     | BENENNUNG/DESCRIPTION        |               |
| B                                                     | A 19809       | 10.06.09   | HEL       | DIN7168          |         | REAR PROTECTIVE DEVICE (EEC) |               |
| A                                                     | A 19330       | 05.07.07   | LARI      | MITTEL           |         | RETRACTABLE TAIL LIFT        |               |
| AE. IND.                                              | AE. MITT. EAI | DATUM DATE | NAME NAME | DATE             | NAME    | ZEICHNUNGS-NR./DRAWING-NO.   |               |
|                                                       |               |            |           | 11.06.02         | HAERTEL | 96-563.00-00.92-00/2         |               |
| MBB PALANGER<br>Fockesstrasse 53<br>27777 Ganderkesee |               |            |           |                  |         | SACH.-NR./PART.-NO.          |               |
|                                                       |               |            |           |                  |         | VERWENDUNG APPL.             |               |
|                                                       |               |            |           |                  |         | ERSATZ FUER SUPERSEDES       |               |
| STATIK STRESS                                         |               |            |           |                  |         | BLATTZAHL SCALE              | MASSTAB SCALE |
| 20.06.02 ZIMMERMANN                                   |               |            |           |                  |         | 7                            | 1:10          |
|                                                       |               |            |           |                  |         | 2                            | 1:5           |



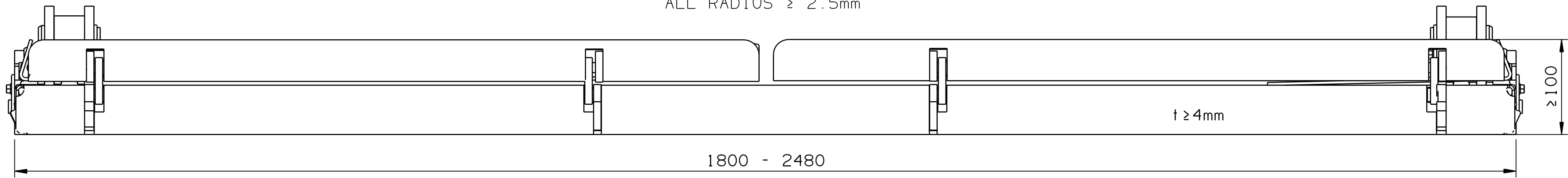


SCHUTZVERMERK NACH DIN 34 BEACHTEN



REAR VIEW OF THE REAR UNDERRUN PROTECTIVE DEVICE  
M 1:5

ALL RADIUS  $\geq 2.5\text{mm}$



VEHICLE CLASSES  $N_1, N_2, N_3$   
 $O_2, O_3, O_4$

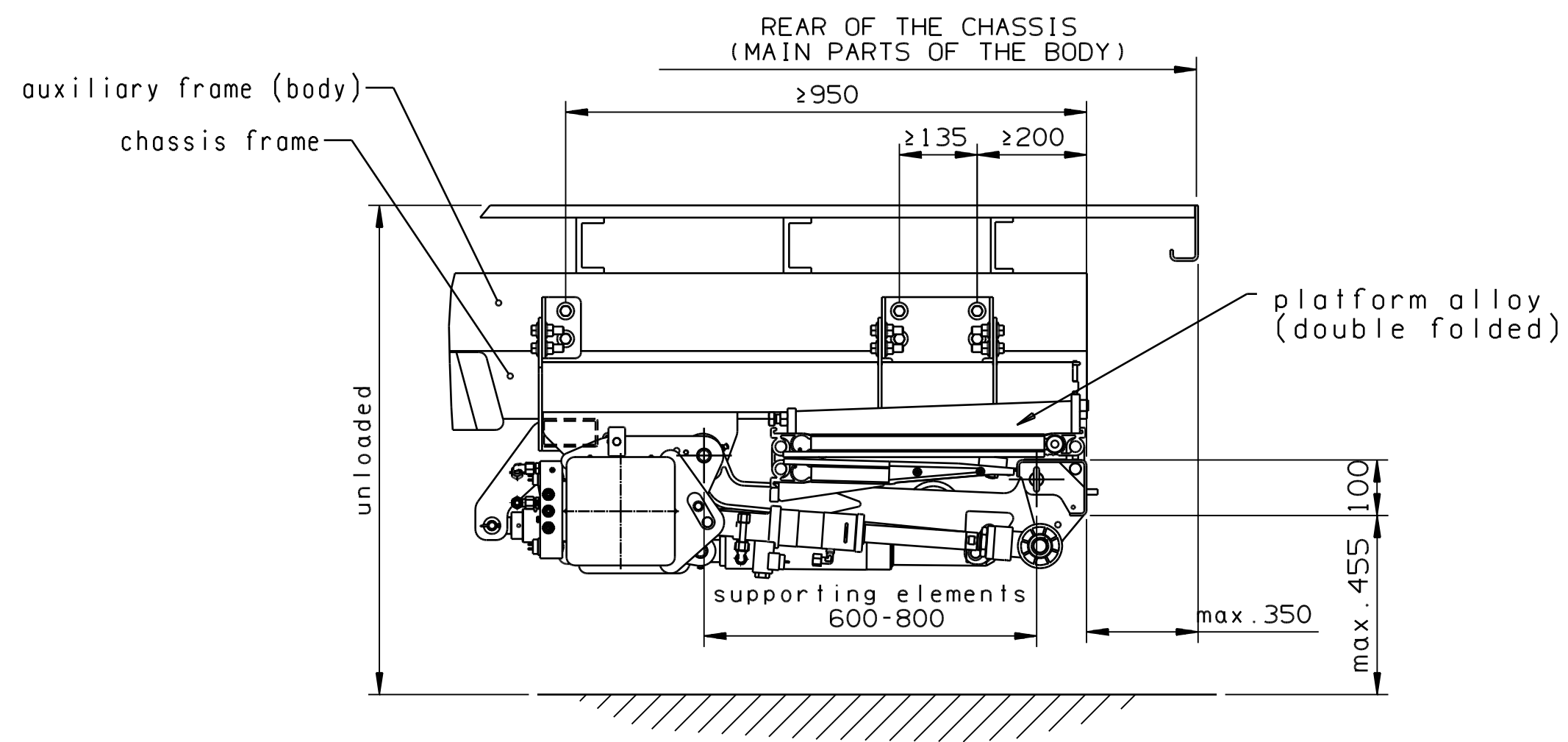
GENERAL DRAWING: 08-559.00-00.00-00

TYPES:

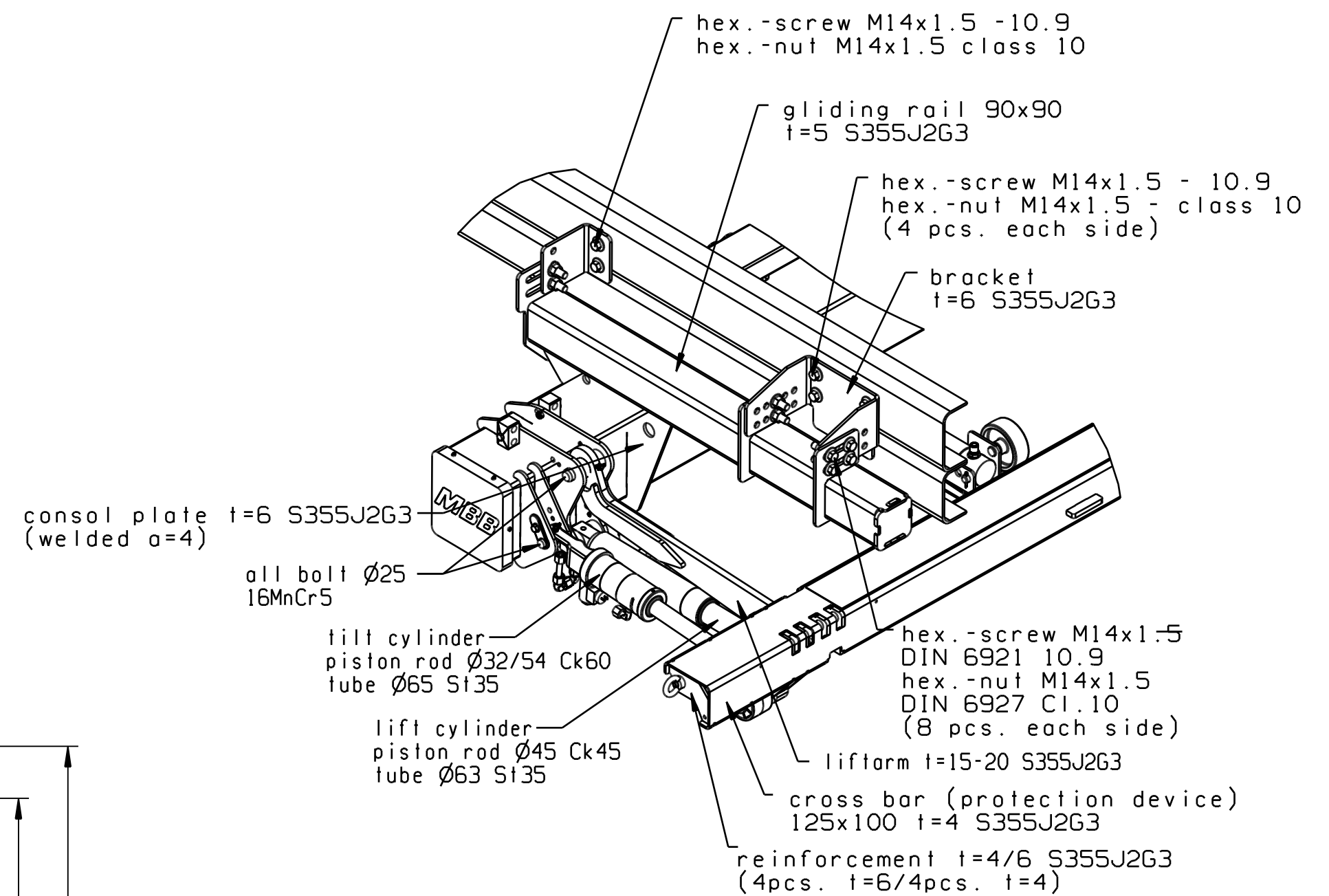
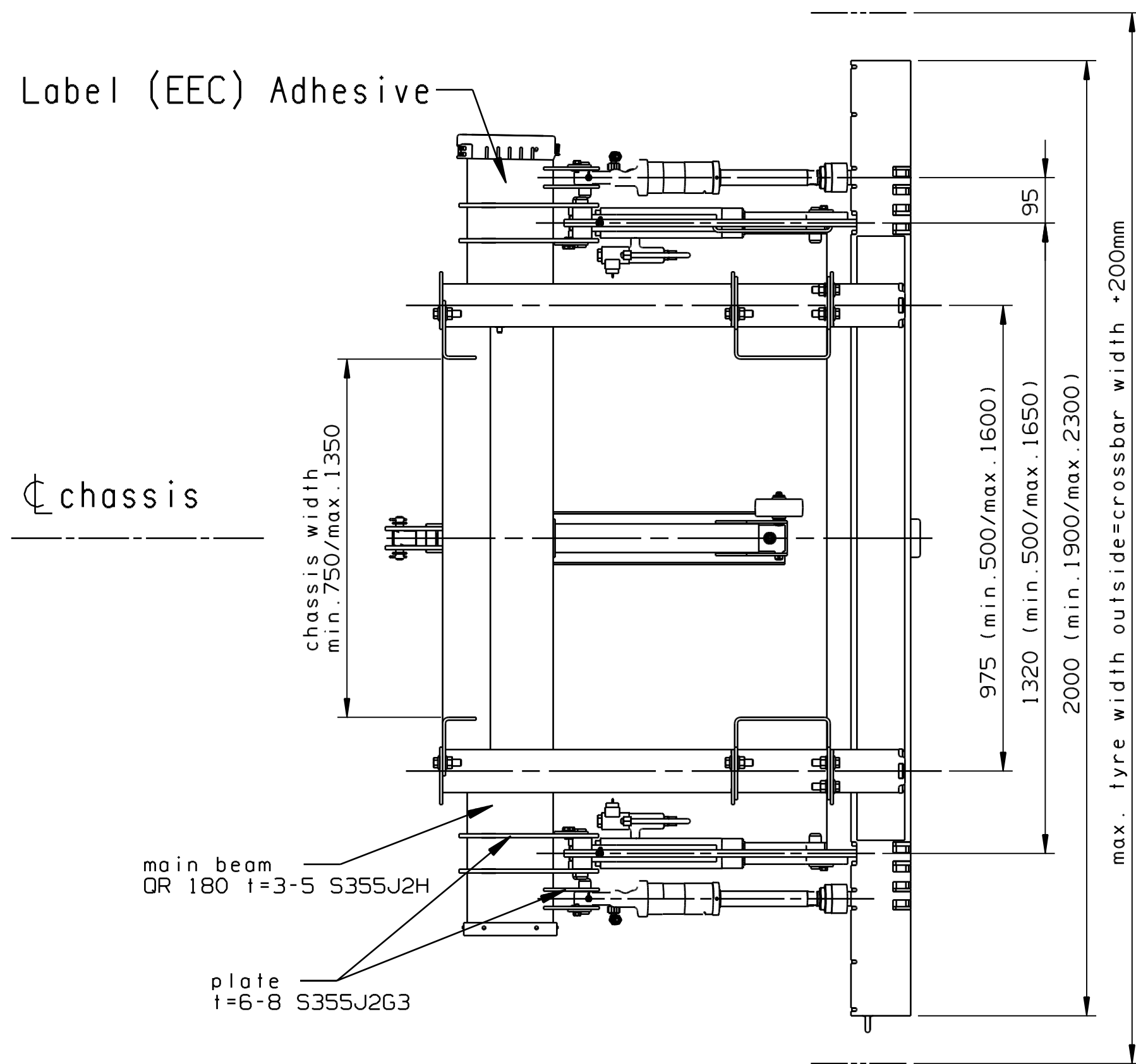
|           |           |
|-----------|-----------|
| 1000KUFR  | 1500KUFR  |
| 1250KUFR  | 2000KLUFR |
| 1500KLUFR | 2000KUFR  |
|           | 2500KLUFR |

e4\*70/221\*2006/20\*0206\*06

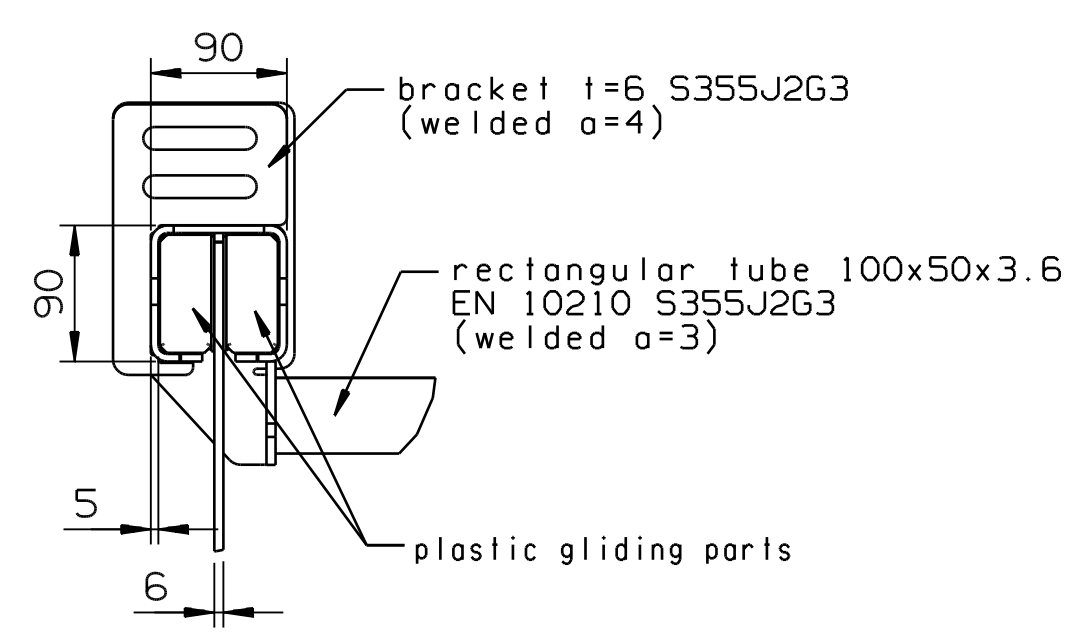
|                                                                                       |           |          |      |                       |  |                                                                                       |                              |                             |  |            |         |
|---------------------------------------------------------------------------------------|-----------|----------|------|-----------------------|--|---------------------------------------------------------------------------------------|------------------------------|-----------------------------|--|------------|---------|
|                                                                                       |           |          |      | FREIM.-TOL.-TOL.-ACC. |  |  | BENENNUNG/DESCRIPTION        |                             |  |            |         |
| A                                                                                     | A 20632   | 11.11.11 | HAE  | DIN7168               |  |                                                                                       | REAR PROTECTIVE DEVICE (EEC) |                             |  |            |         |
| -                                                                                     | A 19809   | 10.06.09 | HEL. | MITTEL                |  |                                                                                       | RETRACTABLE TAIL LIFT        |                             |  |            |         |
| AE.                                                                                   | AE. MITT. | DATUM    | NAME |                       |  | DATE                                                                                  | NAME                         | ZEICHNUNGS-NR. /DRAWING-NO. |  |            |         |
| IND.                                                                                  | EAI       | DATE     | NAME |                       |  |                                                                                       |                              | 96-563.00-00.92-00/2        |  |            |         |
|                                                                                       |           |          |      | BEARB.                |  | 10.06.09                                                                              | HELPAP                       |                             |  |            |         |
|  |           |          |      | SCHWEISS              |  |                                                                                       |                              | SACH.-NR. /PART.-NO.        |  |            |         |
|                                                                                       |           |          |      | MELDUNG               |  |                                                                                       |                              | VERWENDUNG                  |  | BLATTZAHL  | MASSTAB |
|                                                                                       |           |          |      | STATIK                |  |                                                                                       |                              | APPL.                       |  | SHEET-PTY. | SCALE   |
|                                                                                       |           |          |      | STRESS                |  |                                                                                       |                              |                             |  | 7          | 1:10    |
|                                                                                       |           |          |      | QUAL.                 |  |                                                                                       |                              | ERSATZ FUER                 |  | BLATT-NR.  |         |
|                                                                                       |           |          |      | QUAL.                 |  |                                                                                       |                              | SUPERSEDES                  |  | SHEET-NO.  | 1:5     |
|                                                                                       |           |          |      | GEPR.                 |  | 10.06.09                                                                              | ZIMMERMANN                   |                             |  | 4          |         |
|                                                                                       |           |          |      | CHK.                  |  |                                                                                       |                              |                             |  |            |         |



Label (EEC) Adhesive



view steel gliding rail / bracket



VEHICLE CLASSES N<sub>1</sub>, N<sub>2</sub>, N<sub>3</sub> O<sub>2</sub>, O<sub>3</sub>, O<sub>4</sub>

TYPES: 750 KUZFM / 1000 KUZFM

GENERAL DRAWING: 07-548.00-00.00-00

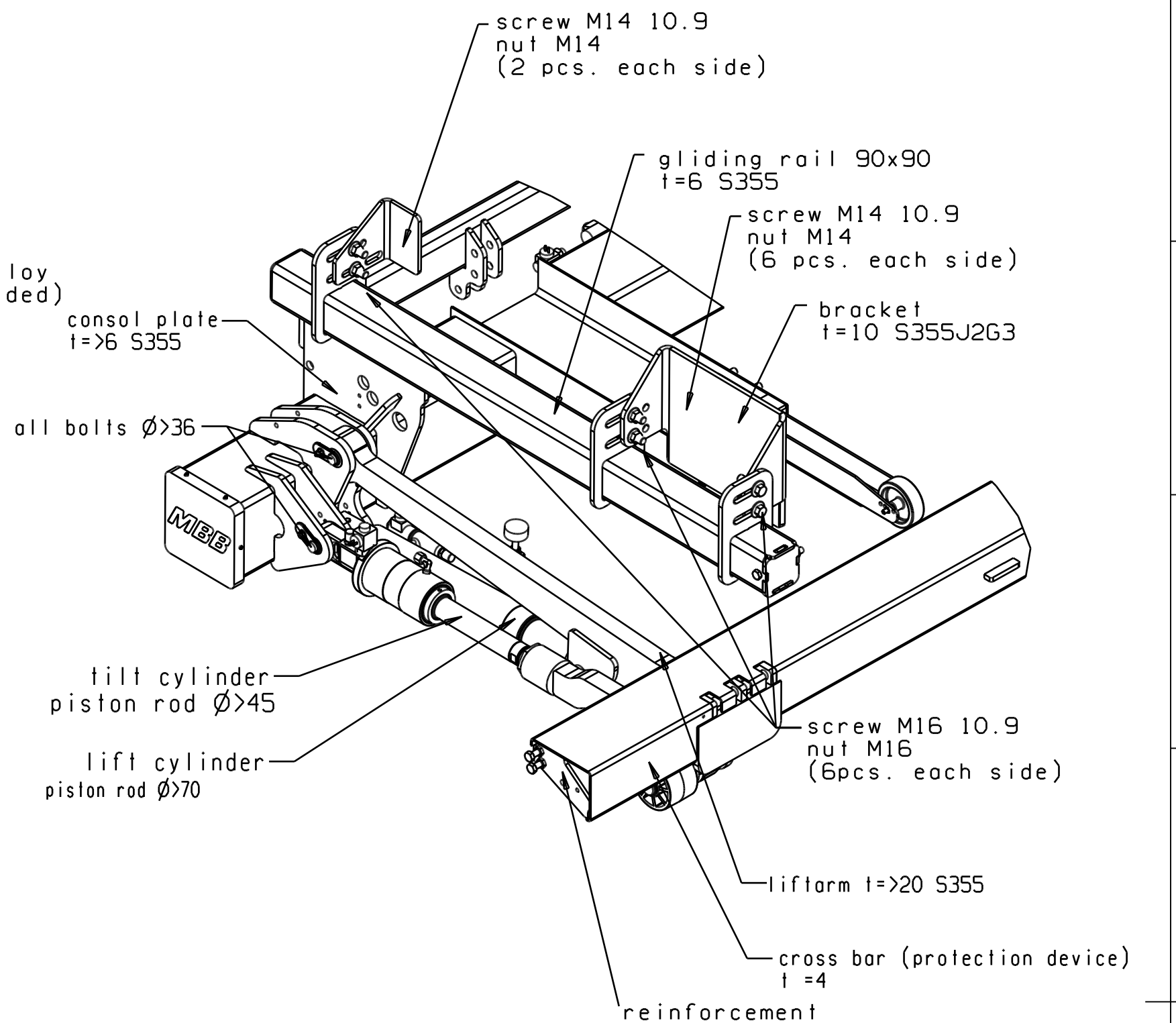
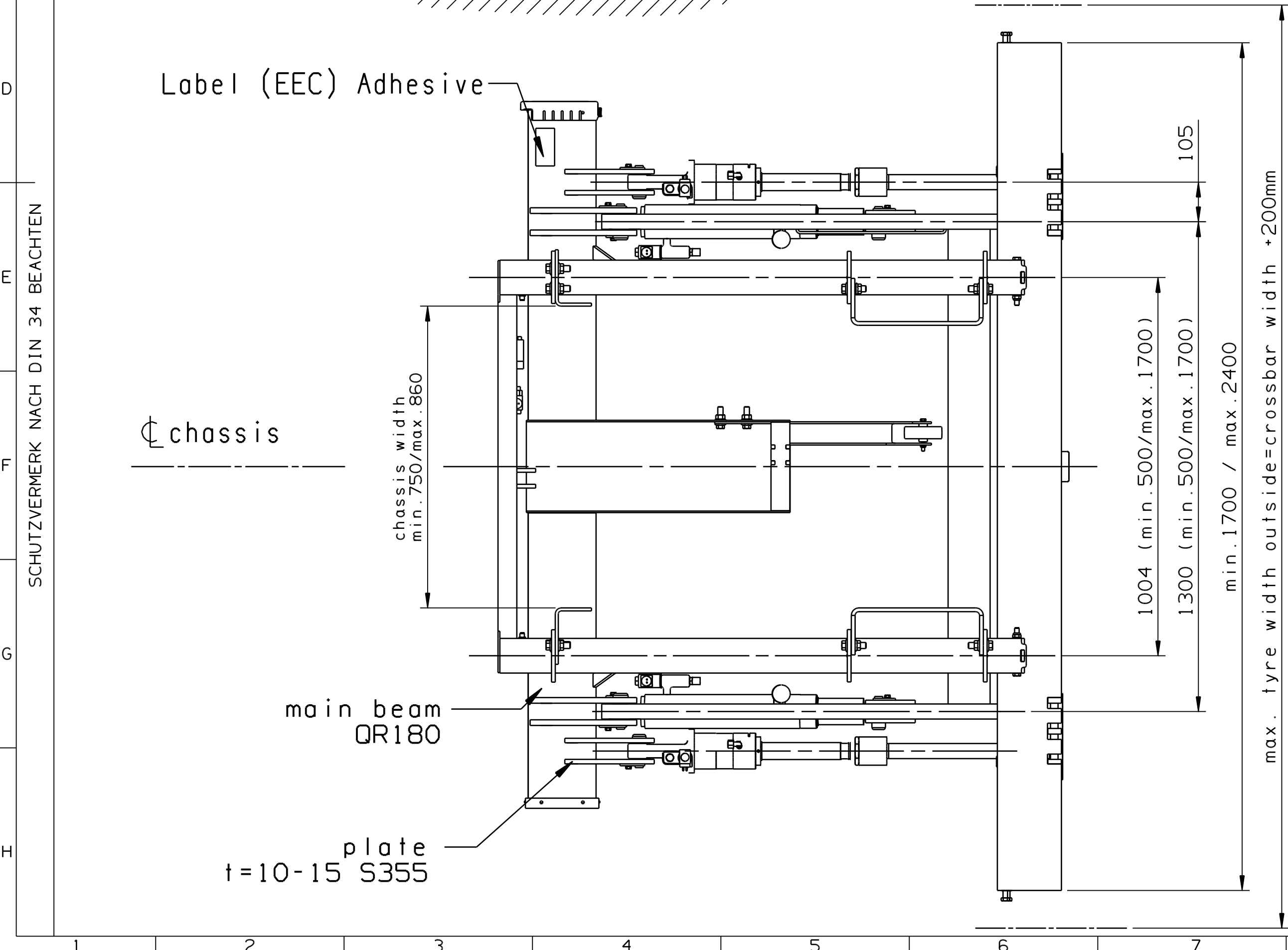
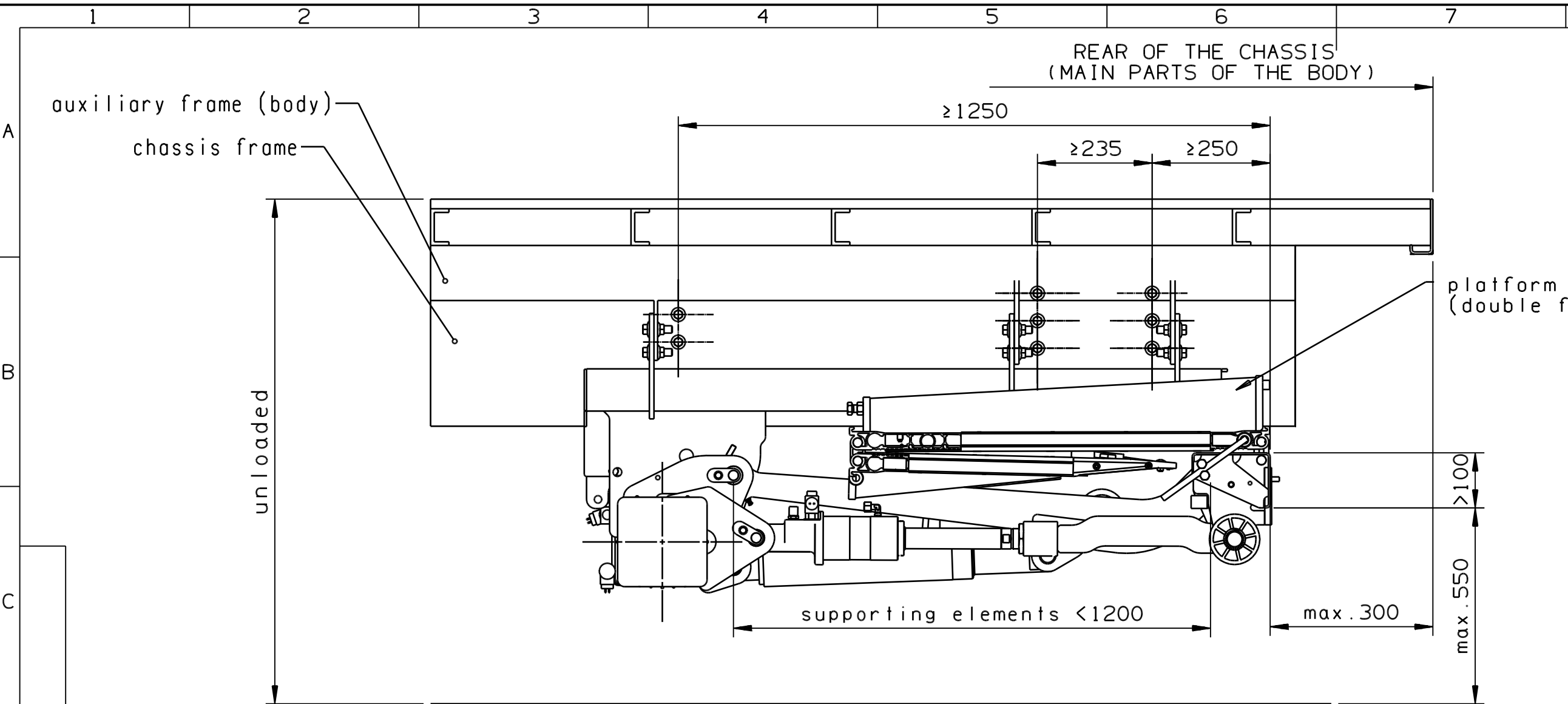
ALL RADIUS ≥ 2.5mm

e4\*70/221\*2006/20\*0206\*06

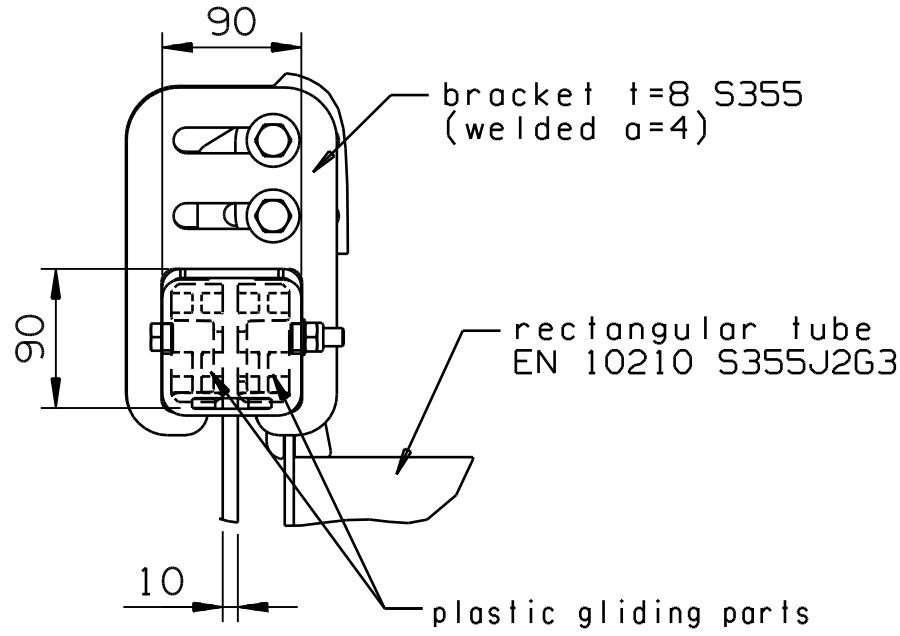
|                                                       |               |            |           |                                                                    |                     |                                                                                       |                              |
|-------------------------------------------------------|---------------|------------|-----------|--------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|------------------------------|
| A A 20632 11.11.11 HAE<br>- A 19809 10.06.09 HEL.     |               |            |           | FREIM.-TOL. -TOL.-ACC.<br>DIN7168<br>MITTEL                        |                     | BENENNUNG/DESCRIPTION<br><b>REAR PROTECTIVE DEVICE (EEC)</b><br>RETRACTABLE TAIL LIFT |                              |
| AE. IND.                                              | AE. MITT. EAI | DATUM DATE | NAME NAME | DATUM DATE                                                         | NAME NAME           | ZEICHNUNGS-NR. /DRAWING-NO.<br><b>96-563.00-00.92-00/2</b>                            |                              |
| BEARB. DRAHN<br>10.06.09 HELFAP                       |               |            |           | SACH.-NR. /PART.-NO.<br>VERWENDUNG APPL.<br>ERSATZ-FUER SUPERSEDES |                     | BLATTZAHL SHEET-QTY.<br>7                                                             | MASSTAB SCALE<br>1:10<br>1:5 |
| MBB PALFINGER<br>Fockesirasse 53<br>27777 Ganderkesee |               |            |           | SCHWISS WELDING<br>STATIK STRESS<br>QUAL. QUAL.<br>GEPR. CHK.      | 10.06.09 ZIMMERMANN | BLATT-NR. SHEET-NO.<br>5                                                              |                              |

SCHUTZVERMERK NACH DIN 34 BEACHTEN





view steel gliding rail / bracket

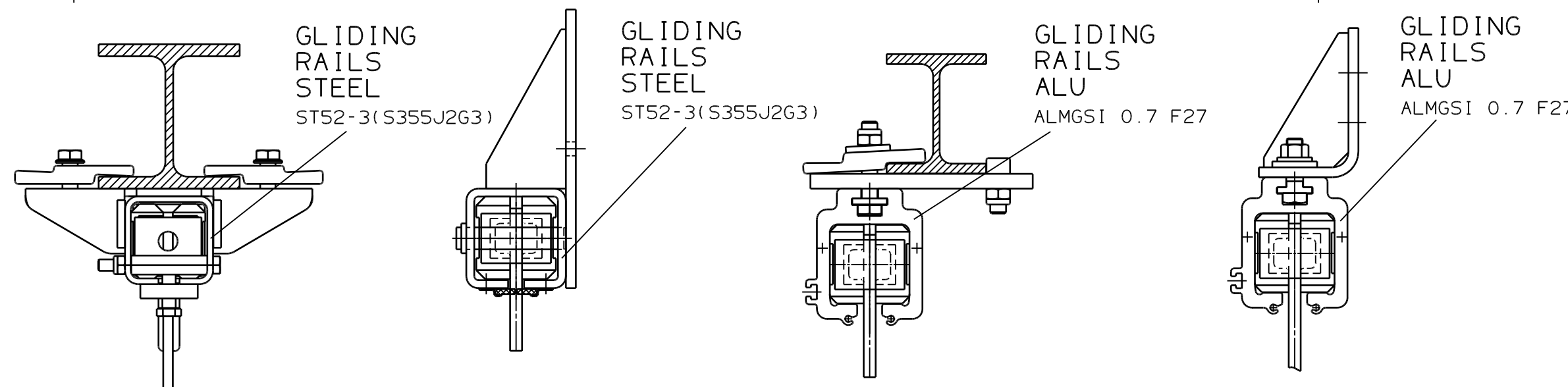
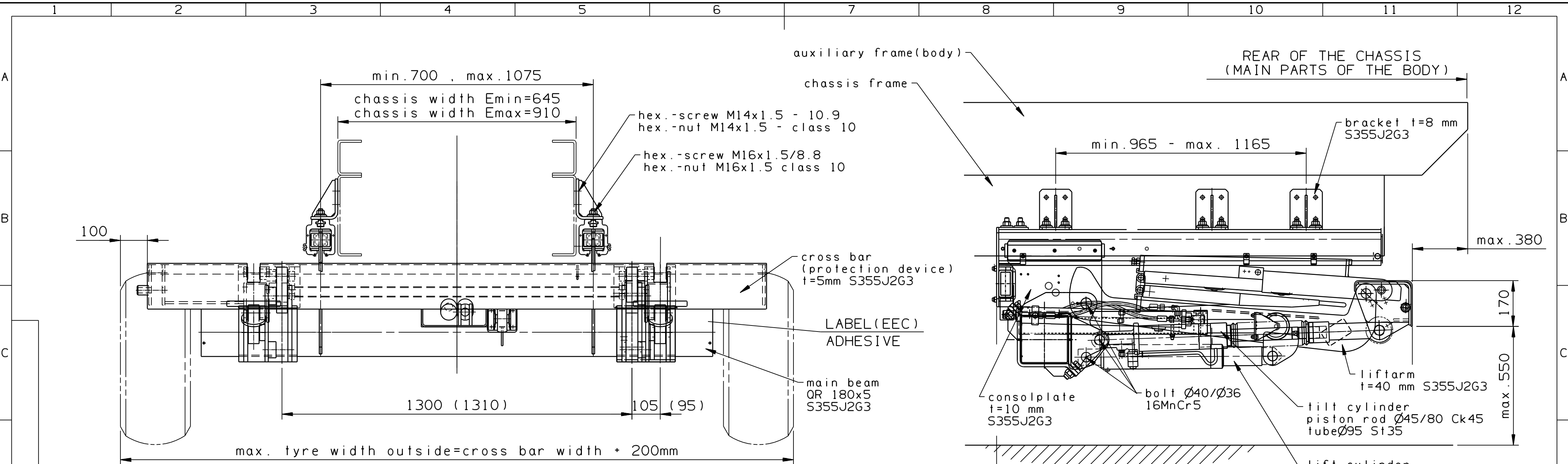


VEHICLE CLASSES  $N_1, N_2, N_3, O_2, O_3, O_4$   
TYPES: 1500KUZF / 2000KLUZF / 2000KUZF / 2500KLUZF  
GENERAL DRAWING: 08-509.00-00.00-00  
ALL RADIUS  $\geq 2.5$ mm

e4\*70/221\*2006/20\*0206\*06

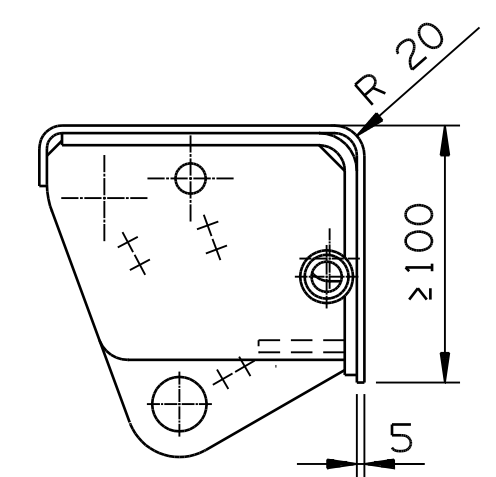
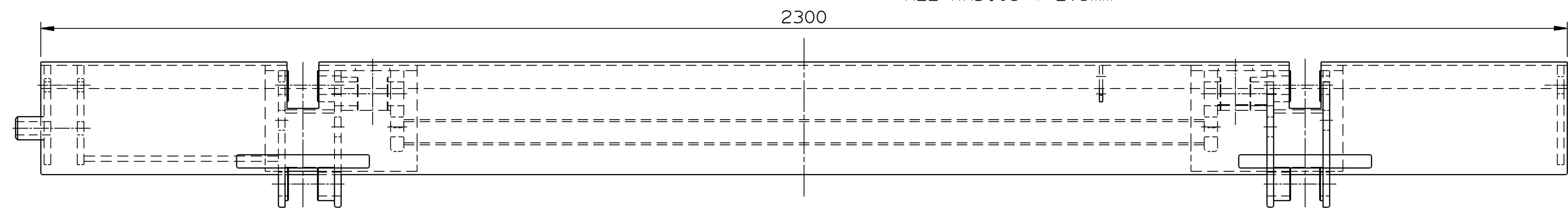
|                                                    |         |          |      |                                                                                |          |         |      |
|----------------------------------------------------|---------|----------|------|--------------------------------------------------------------------------------|----------|---------|------|
| FREIM.-TOL.-ACC.<br>TOL.-ACC.<br>DIN7168<br>MITTEL |         |          |      | BENENNUNG/DESCRIPTION<br>REAR PROTECTIVE DEVICE (EEC)<br>RETRACTABLE TAIL LIFT |          |         |      |
| A                                                  | A 20632 | 11.11.11 | HAE  | AE                                                                             | AE       | DATUM   | NAME |
| -                                                  | A 19809 | 10.06.09 | HEL. | IND.                                                                           | MITT.    | DATE    | NAME |
| AE                                                 | AE      | DATUM    | NAME | BEARB.                                                                         | DATUM    | NAME    | NAME |
| IND.                                               | MITT.   | DATE     | NAME | DRAWN                                                                          | 10.06.09 | HEL.PAP |      |
| SCHWEISS<br>HELDTING                               |         |          |      | SACH.-NR. / PART.-NO.                                                          |          |         |      |
| STATIK<br>STRESS                                   |         |          |      | VERWENDUNG<br>APPL.                                                            |          |         |      |
| QUAL.<br>QUAL.                                     |         |          |      | ERSATZ-FUER<br>SUPERSEDES                                                      |          |         |      |
| GERP.<br>CHK.                                      |         |          |      | 10.06.09 ZIMMERMANN                                                            |          |         |      |
| Fockesstrasse 53<br>27777 Ganderkesee              |         |          |      | BLATTZAHL<br>SHEET-QTY.<br>7                                                   |          |         |      |
|                                                    |         |          |      | MASSTAB<br>SCALE<br>1:10                                                       |          |         |      |
|                                                    |         |          |      | BLATT-NR.<br>SHEET-NO.<br>6                                                    |          |         |      |
|                                                    |         |          |      | 1:5                                                                            |          |         |      |





REAR VIEW OF THE REAR UNDERRUN PROTECTIVE DEVICE  
M 1:5

ALL RADIUS ≥ 2.5mm



VEHICLE CLASSES N<sub>1</sub>.N<sub>2</sub>.N<sub>3</sub>  
O<sub>2</sub>.O<sub>3</sub>.O<sub>4</sub>

TYPES:

|           |           |               |               |
|-----------|-----------|---------------|---------------|
| 1000KUZF  | 2000KLUZF | 1000KUZF-BDF  | 2000KLUZF-BDF |
| 1500KLUZF | 2000KUZF  | 1500KLUZF-BDF | 2000KUZF-BDF  |
| 1500KUZF  | 2500KLUZF | 1500KUZF-BDF  | 2500KLUZF-BDF |
| 1750KUZF  |           | 1750KUZF-BDF  |               |

GENERAL DRAWING: 00-514.00-00.00-00

e4\*70/221\*2006/20\*0206\*06

|                                       |               |            |           |                                                                                |            |           |                  |
|---------------------------------------|---------------|------------|-----------|--------------------------------------------------------------------------------|------------|-----------|------------------|
| FREIM.-TOL.-ACC.<br>DIN7168<br>MITTEL |               |            |           | BENENNUNG/DESCRIPTION<br>REAR PROTECTIVE DEVICE (EEC)<br>RETRACTABLE TAIL LIFT |            |           |                  |
| A                                     | A 20632       | 11.11.11   | HAE       |                                                                                |            |           |                  |
| -                                     | A 19809       | 10.06.09   | HEL.      |                                                                                |            |           |                  |
| AE. IND.                              | AE. MITT. EAI | DATUM DATE | NAME NAME | BEARBEIT. DRAINED                                                              | DATUM DATE | NAME NAME | VERWENDUNG APPL. |
|                                       |               |            |           |                                                                                | 10.06.09   | HELPAF    |                  |
| MBB PALANGER                          |               |            |           | SACH.-NR. /PART.-NO.                                                           |            |           |                  |
| Fockesirasse 53<br>27777 Ganderkesee  |               |            |           | 96-563.00-00.92-00/2                                                           |            |           |                  |
| GER. CHK.                             |               |            |           | ERSATZ FUER SUPERSEDES                                                         |            |           |                  |
|                                       |               |            |           | BLATTZAHL SCALE<br>SHEET-OTY. 1:10                                             |            |           |                  |
|                                       |               |            |           | BLATT-NR. SHEET-NO. 1:5                                                        |            |           |                  |

SCHUTZVERMERK NACH DIN 34 BEACHTEN