

**KES** (runder Deckel)

4.00/2.00/2.00 (ohne Einmündungstrichter)

# Schalung

NZ\_B\_038

Massstab :  
1:50 / 1:20

Datum :  
Sept. 2010

Bearbeitet : EM

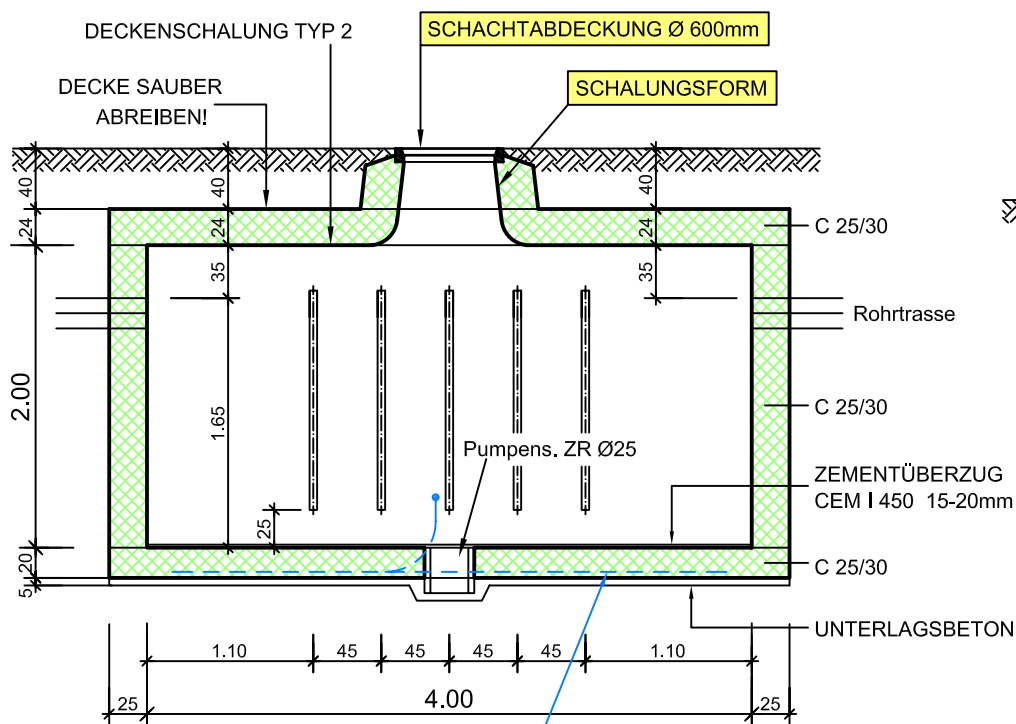
|           |    |
|-----------|----|
| Gesehen : | CR |
|-----------|----|

 LIEFERUNG  
BAUSEITS

## Längsschnitt 1:50

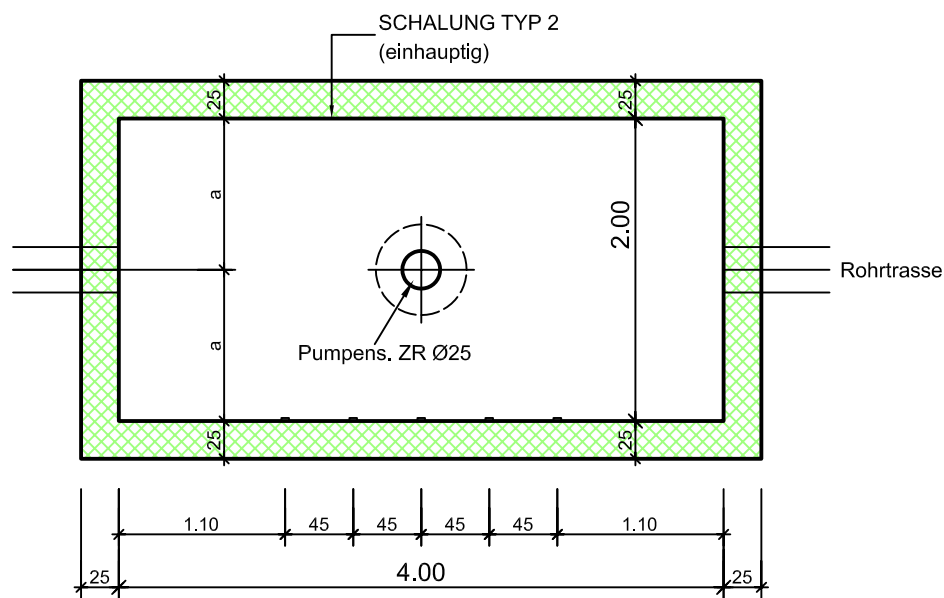
**zulässige Belastung:**

ca. 40cm überdeckt  
Radlast 150 kN

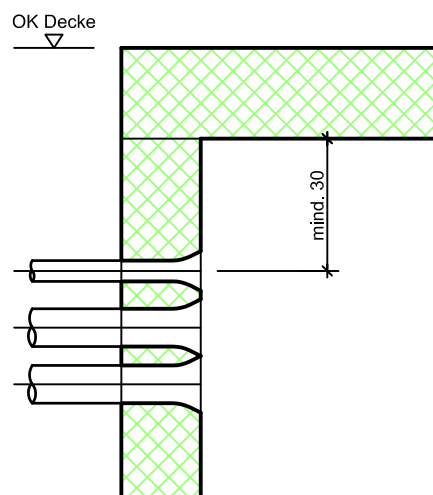


Einlage Erdungsseil gem. Plan NZ\_B\_043

## Grundriss 1:50



## Schnittdetail 1:20

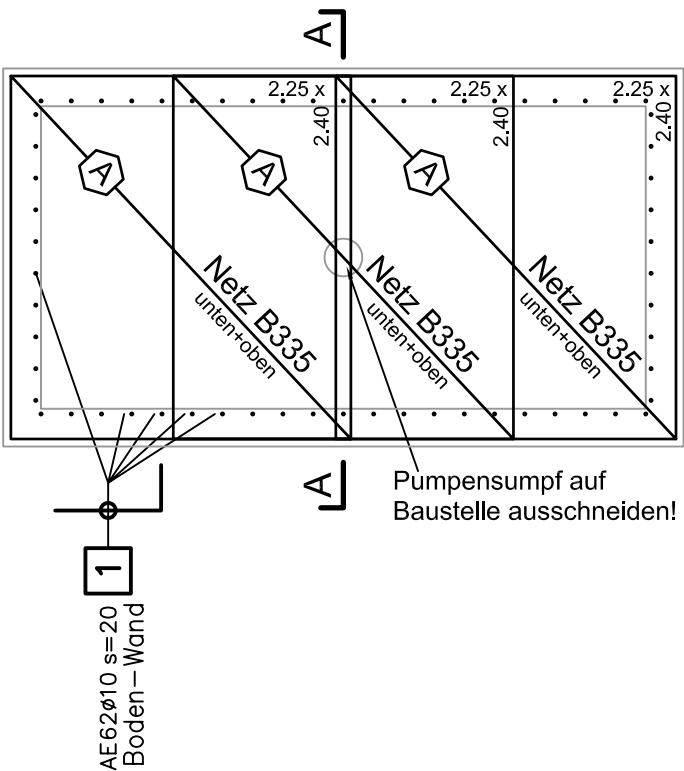


**KES** (runder Deckel)  
**4.00/2.00/2.00** (ohne Einmündungstrichter)  
**Armierung**

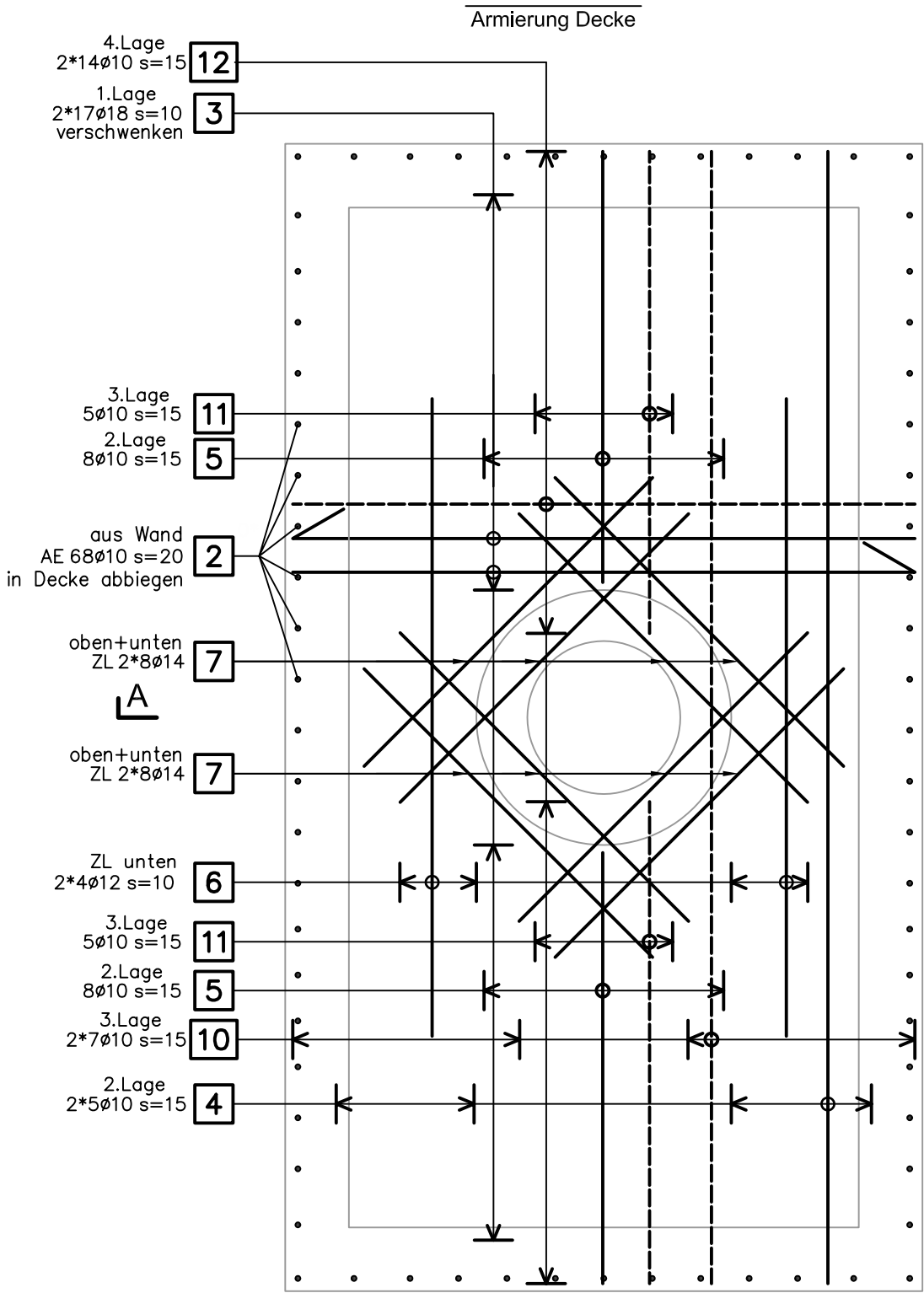
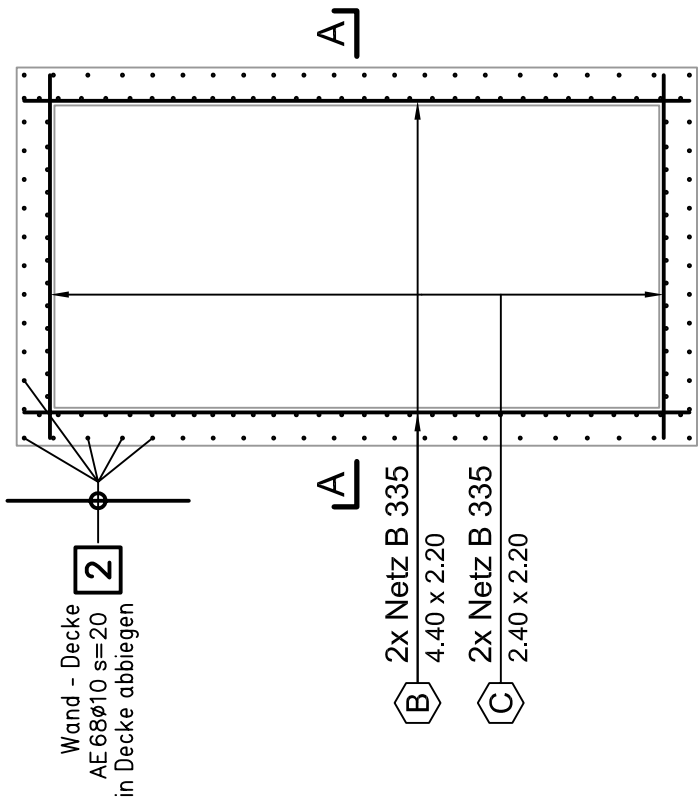
**NZ\_B\_038**

|              |            |
|--------------|------------|
| Massstab :   | Datum :    |
| 1:50 / 1:25  | Sept. 2010 |
| Bearbeitet : | Gesehen :  |
| EM           | CR         |

**Grundriss 1:50**  
Armierung Boden

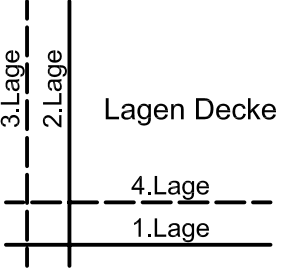


**Grundriss 1:50**  
Armierung Wände

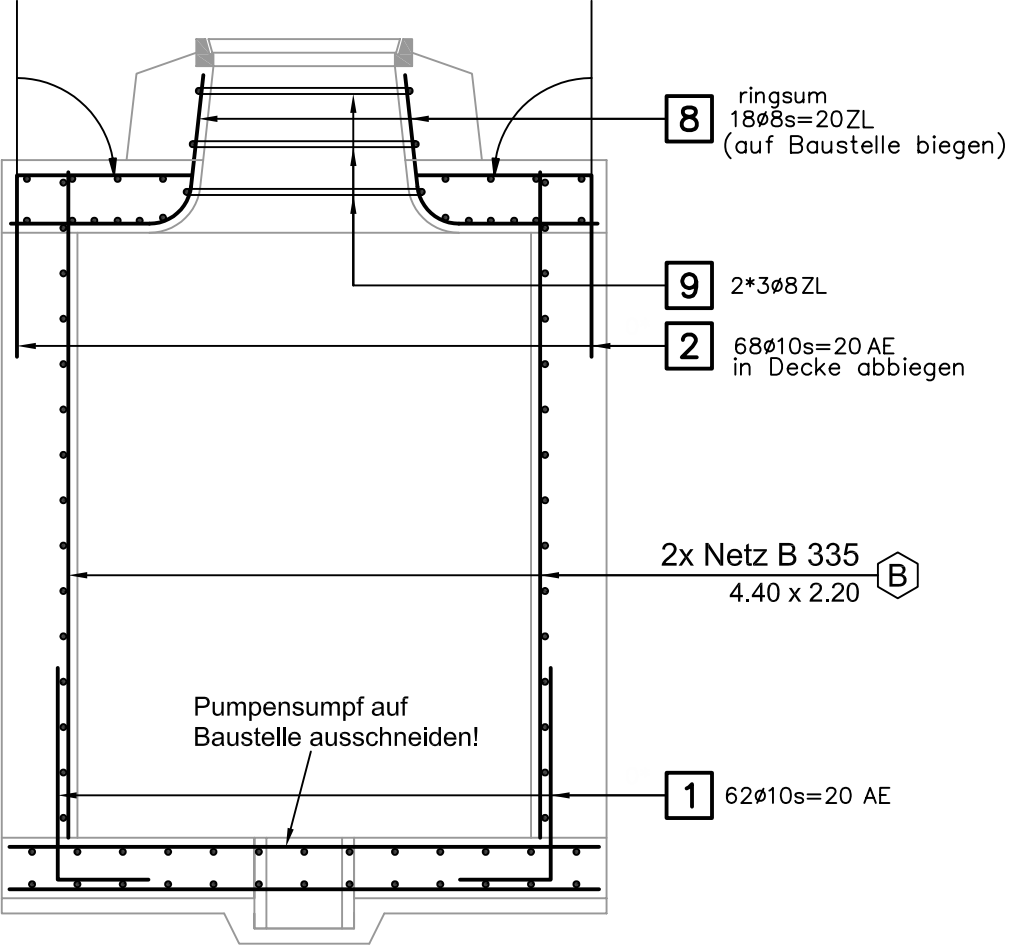


3cm Eisenüberdeckung

Lagerlängen 13 1 Ø8



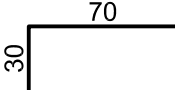
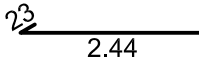
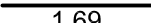
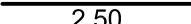
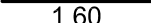
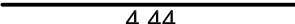
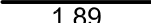
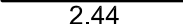
**Schnitt A - A 1:25**  
Armierung



|           |                                                                                                                                               |            |                                                                                                                                                                                              |  |                                                                                                                                             |  |       |            |       |      |    |      |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------------|-------|------|----|------|
| BAUOBJEKT | <b>Liechtensteinische Kraftwerke</b><br>Im alten Riet 17, FL-9494 Schaan<br>Tel. +423 236 01 11, Fax +423 236 01 12<br>lkW@lkW.li, www.lkW.li |            |                                                                                                             |  | BETONSTAHLLISTE NR.<br><b>NZ_B_038_EL</b>                                                                                                   |  |       |            |       |      |    |      |
|           | <b>KES</b><br><b>4.00/2.00/2.00</b>                                                                                                           |            |                                                                                                                                                                                              |  | ZU PLAN NR.<br><b>NZ_B_038</b>                                                                                                              |  |       |            |       |      |    |      |
| BAUUNT.   |                                                                                                                                               |            |                                                                                                                                                                                              |  | <table border="1"> <tr> <td>Datum</td> <td>Sept. 2010</td> <td>Gepr.</td> </tr> <tr> <td>Gez.</td> <td>EM</td> <td>Rev.</td> </tr> </table> |  | Datum | Sept. 2010 | Gepr. | Gez. | EM | Rev. |
|           | Datum                                                                                                                                         | Sept. 2010 | Gepr.                                                                                                                                                                                        |  |                                                                                                                                             |  |       |            |       |      |    |      |
| Gez.      | EM                                                                                                                                            | Rev.       |                                                                                                                                                                                              |  |                                                                                                                                             |  |       |            |       |      |    |      |
| INGENIEUR |                                                                                                                                               |            |                                                                                                                                                                                              |  | BETONSTAHL<br>GEMÄSS SIA-NORM 262<br>ERGÄNZUNG 262/1                                                                                        |  |       |            |       |      |    |      |
|           | <b>Wenaweser+Partner</b><br>Bauingenieure AG                                                                                                  |            | Büro Schaan, Schmedgässle 2, FL-9494 Schaan<br>Tel: +423 237 50 80 / Fax: +423 237 50 81<br><br>Büro Ruggell, Noflerstrasse 12, FL-9491 Ruggell<br>Tel: +423 370 18 90 / Fax: +423 370 18 94 |  | info@bauingenieure.li<br>www.bauingenieure.li                                                                                               |  |       |            |       |      |    |      |

| ZUSAMMENFASSUNG B500B |            |               |                           |                        |                |            |               |
|-----------------------|------------|---------------|---------------------------|------------------------|----------------|------------|---------------|
| Fix- und Lagerlängen  |            | Gewicht<br>kg | Meter-<br>Gewicht<br>kg/m | Durch-<br>messer<br>mm | Bearbeitet     |            | Gewicht<br>kg |
| Anzahl<br>Pos.        | Länge<br>m |               |                           |                        | Anzahl<br>Pos. | Länge<br>m |               |
| 2                     | 48.00      | 18.960        | 0.395                     | 8                      | 1              | 9.78       | 3.863         |
| 6                     | 302.42     | 186.593       | 0.617                     | 10                     | 1              | 62.00      | 38.254        |
| 1                     | 20.00      | 17.760        | 0.888                     | 12                     |                |            |               |
| 1                     | 51.20      | 61.952        | 1.210                     | 14                     |                |            |               |
|                       |            |               | 2.000                     | 18                     | 1              | 90.78      | 181.560       |
| 10                    | Gesamt     | 285.265       |                           |                        | 3              | Gesamt     | 223.677       |
| GESAMTMENGE 508.942   |            |               |                           |                        |                |            |               |

| Abstandhalter               |           |               |         | Stützbügel |         |
|-----------------------------|-----------|---------------|---------|------------|---------|
| Typ                         | Stückzahl | Länge Total m | Höhe cm | Stückzahl  | Höhe cm |
| DISTANZKORB-H90MM-OHNE-FUSS | 4         | 10.00         | 9.0     |            |         |

| Pos. | Stk. | d  | Länge | Ges.L | Gewicht<br>kg | Biegeform                                                                                                                                                                                    |
|------|------|----|-------|-------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 62   | 10 | 1.00  | 62.00 | 38.254        |                                                                                                             |
| 2    | 68   | 10 | 1.20  | 81.60 | 50.347        |                                                                                                             |
| 3    | 34   | 18 | 2.67  | 90.78 | 181.560       |                                                                                                             |
| 4    | 10   | 10 | 4.44  | 44.40 | 27.395        |                                                                                                            |
| 5    | 16   | 10 | 1.69  | 27.04 | 16.684        |                                                                                                             |
| 6    | 8    | 12 | 2.50  | 20.00 | 17.760        |                                                                                                             |
| 7    | 32   | 14 | 1.60  | 51.20 | 61.952        |                                                                                                           |
| 8    | 18   | 8  | 1.00  | 18.00 | 7.110         |                                                                                                           |
| 9    | 6    | 8  | 1.63  | 9.78  | 3.863         |  <div> <math>\frac{l}{1.63}</math> <math>\frac{&gt;^\circ}{275}</math> <math>\frac{r}{0.34}</math> </div> |
| 10   | 14   | 10 | 4.44  | 62.16 | 38.353        |                                                                                                          |
| 11   | 10   | 10 | 1.89  | 18.90 | 11.661        |                                                                                                           |
| 12   | 28   | 10 | 2.44  | 68.32 | 42.153        |                                                                                                           |
| 13   | lfdm | 8  | 30    | 30.00 | 11.850        |                                                                                                                                                                                              |

# NETZLISTE

Objekt: **Liechtensteinische Kraftwerke**  
Im alten Riet 17, FL-9494 Schaan  
Tel. +423 236 01 11, Fax +423 236 01 12  
lkw@lkw.li, www.lkw.li

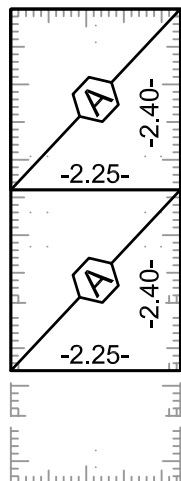


Bauteil: **KES 4.00/2.00/2.00**  
Ingenieur: **Wenaweser + Partner AG**  
**Schmedgässle 2**  
**FL-9494 Schaan**

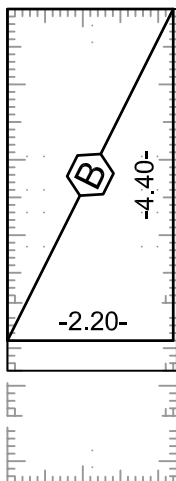
Trennplan Nr.: **NZ\_B\_038\_NL**  
zu Verlegeplan Nr.: **NZ\_B\_038**  
Datum: **Sept. 2010** gez: **EM** kontr.:  
Unternehmer:

Bemerkung:   
Lieferung mit Kranwagen ☐ ja ☐ nein

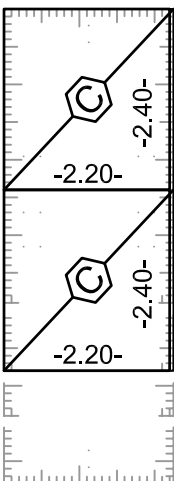
Typ **B 335.48**  
3 Stück



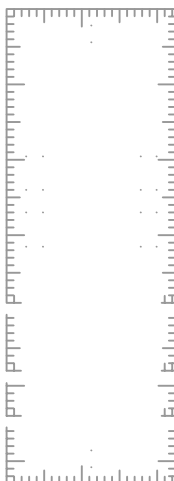
Typ **B 335.48**  
2 Stück



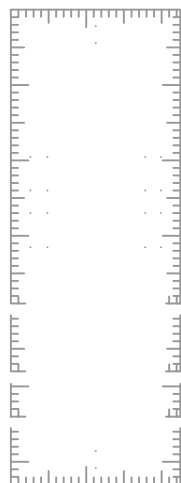
Typ **B 335.48**  
1 Stück



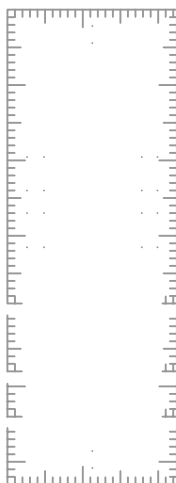
Typ   
Stück



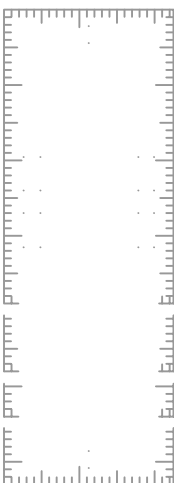
Typ   
Stück



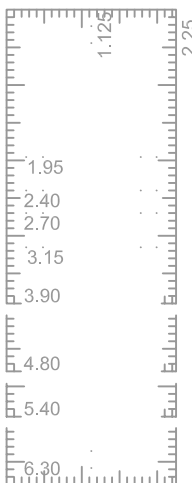
Typ   
Stück



Typ   
Stück



Typ   
Stück



## Lagermatten

☒ nach Trennplan bearbeitet  
☐ unbearbeitet

| Typ               | Stück | Gewicht kg |
|-------------------|-------|------------|
| B 335.48          | 6     | 346.2      |
|                   |       |            |
|                   |       |            |
|                   |       |            |
|                   |       |            |
|                   |       |            |
|                   |       |            |
|                   |       |            |
|                   |       |            |
| Total Gewicht kg  |       | 346.2      |
| Anzahl Mattenpos. |       | 3          |

## Distanzkörbe

mit oder ohne Kunststoff-Fuss  
Länge 2.50m Bunde à 10Stück

| Höhe mm | Stück | m | mit                      | ohne                     |
|---------|-------|---|--------------------------|--------------------------|
|         |       |   | <input type="checkbox"/> | <input type="checkbox"/> |
|         |       |   | <input type="checkbox"/> | <input type="checkbox"/> |
|         |       |   | <input type="checkbox"/> | <input type="checkbox"/> |
|         |       |   | <input type="checkbox"/> | <input type="checkbox"/> |

## Anschlusskörbe AU forwa®

| Länge 3.04m |       |   |
|-------------|-------|---|
| Typ         | Stück | m |
|             |       |   |
|             |       |   |
|             |       |   |

## Anschlusskörbe FIRIPA®

| Länge 3.00m |       |   |
|-------------|-------|---|
| Typ         | Stück | m |
|             |       |   |
|             |       |   |
|             |       |   |