

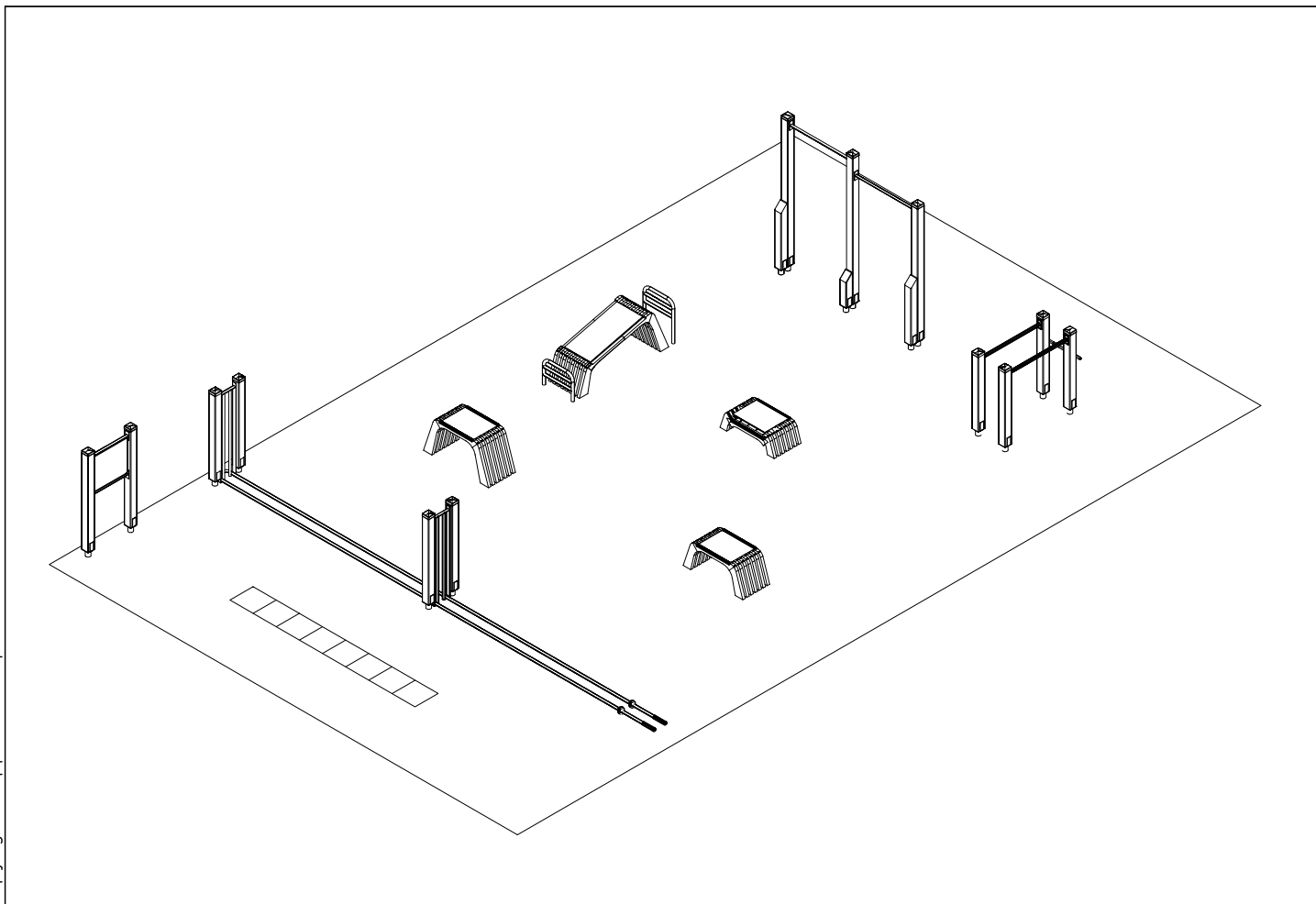
# **LAPPSET®**

## **SPORT**

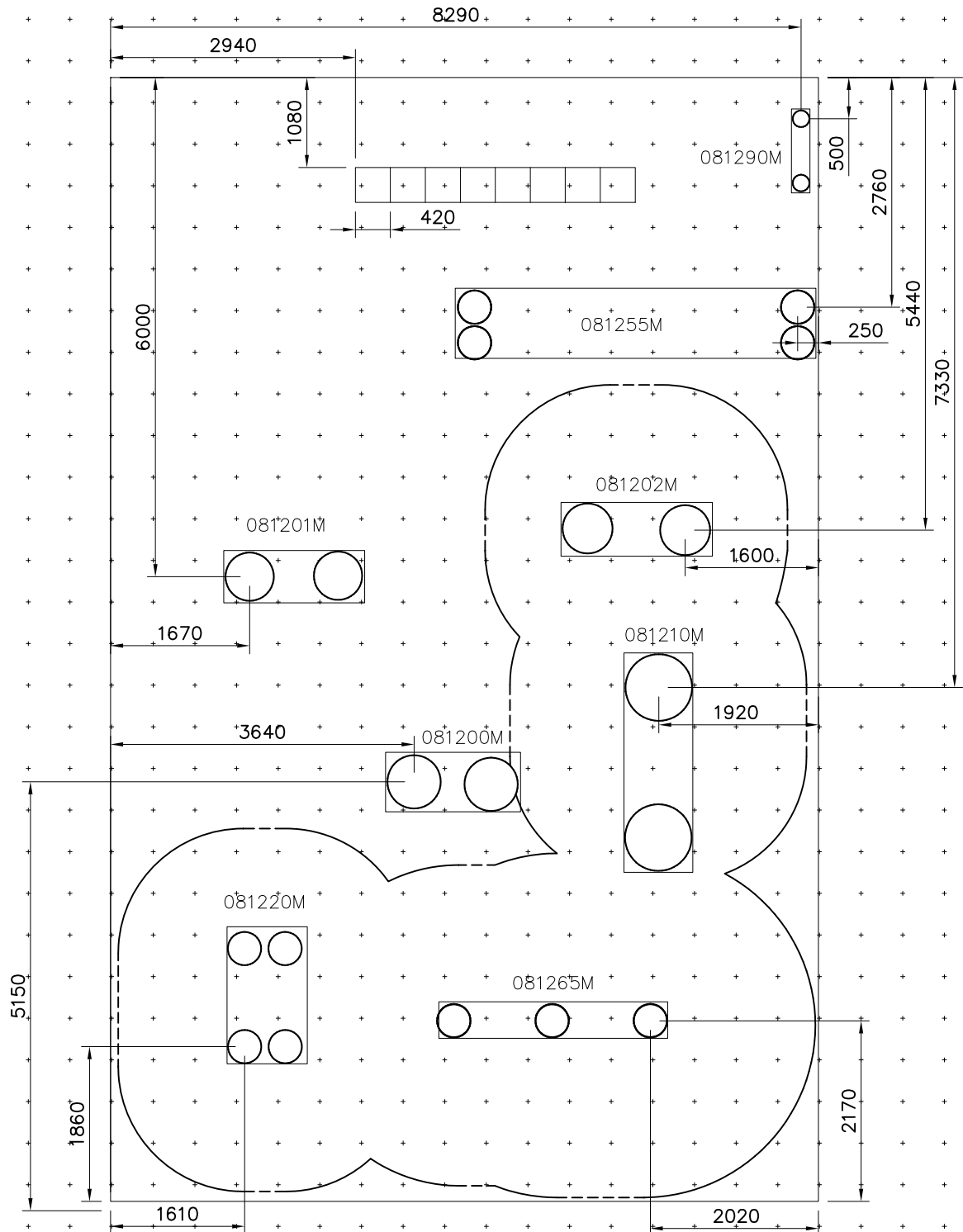
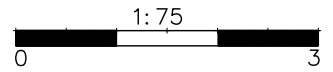
ASENNUSOHJE  
MONTERINGSANSVISNING  
INSTALLATION INSTRUCTION  
AUFBAUANLEITUNG  
NOTICE D'INSTALLATION

DATE: 20.10.2015

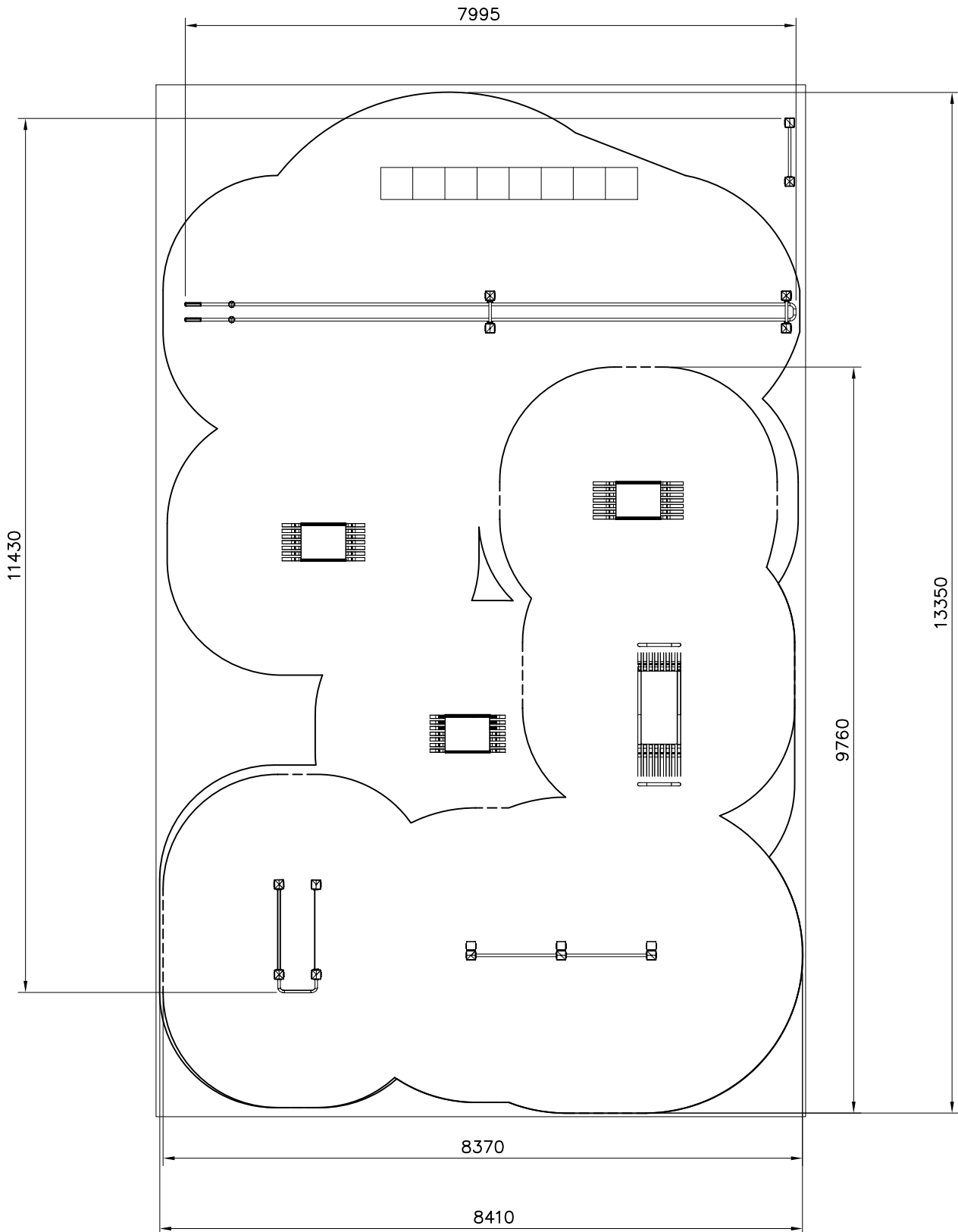
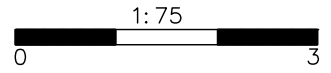
## **081321M**

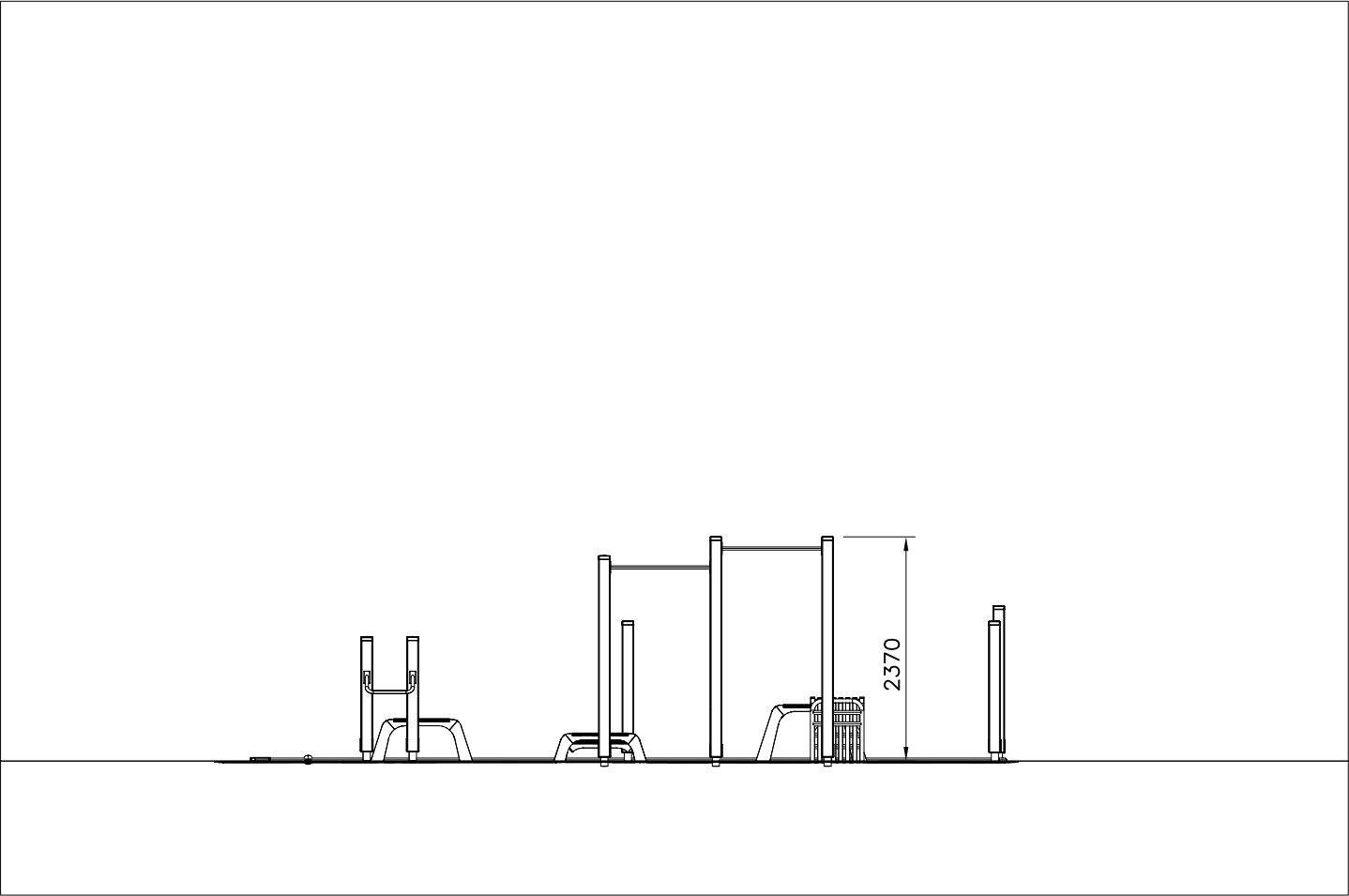
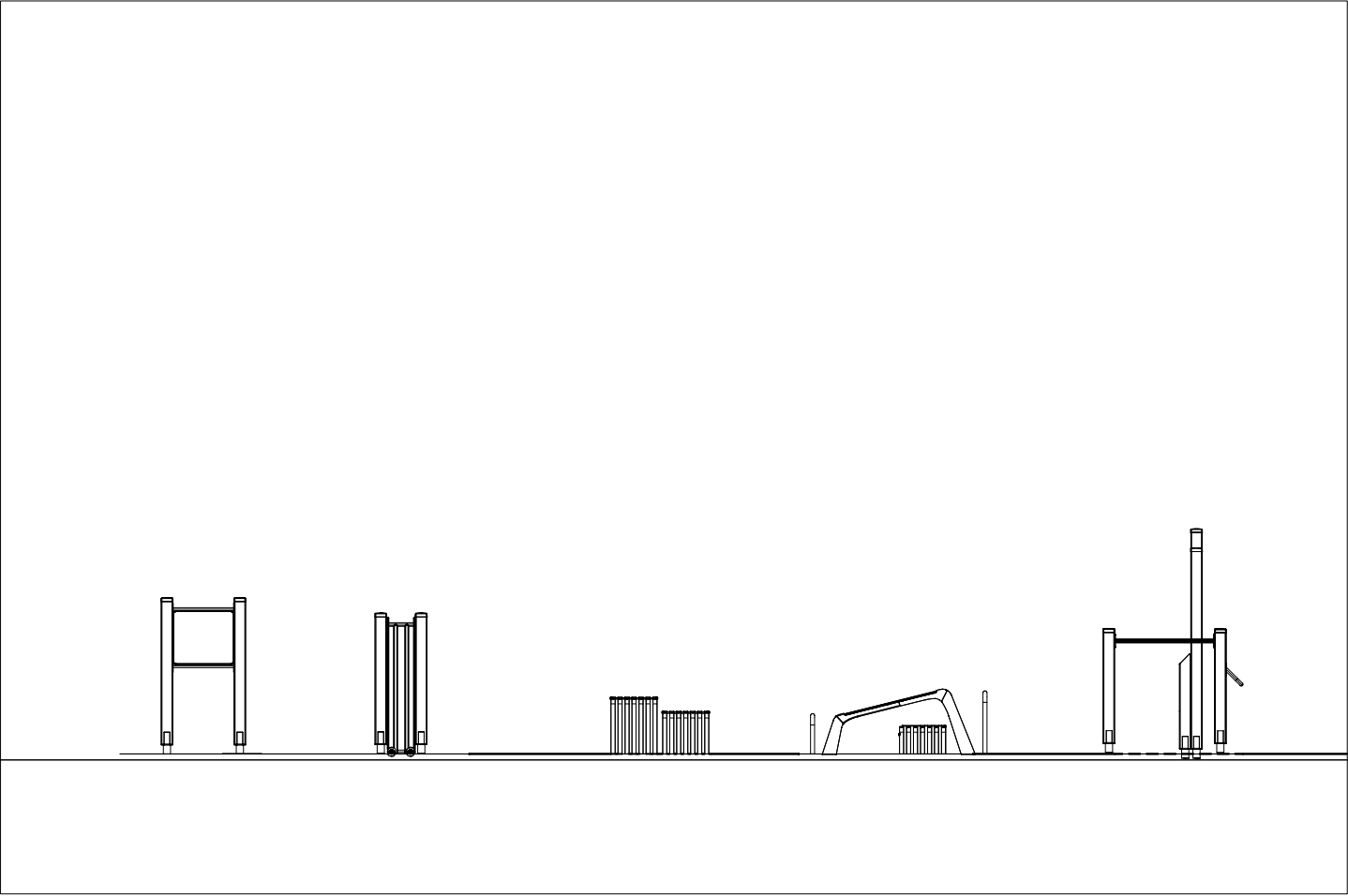


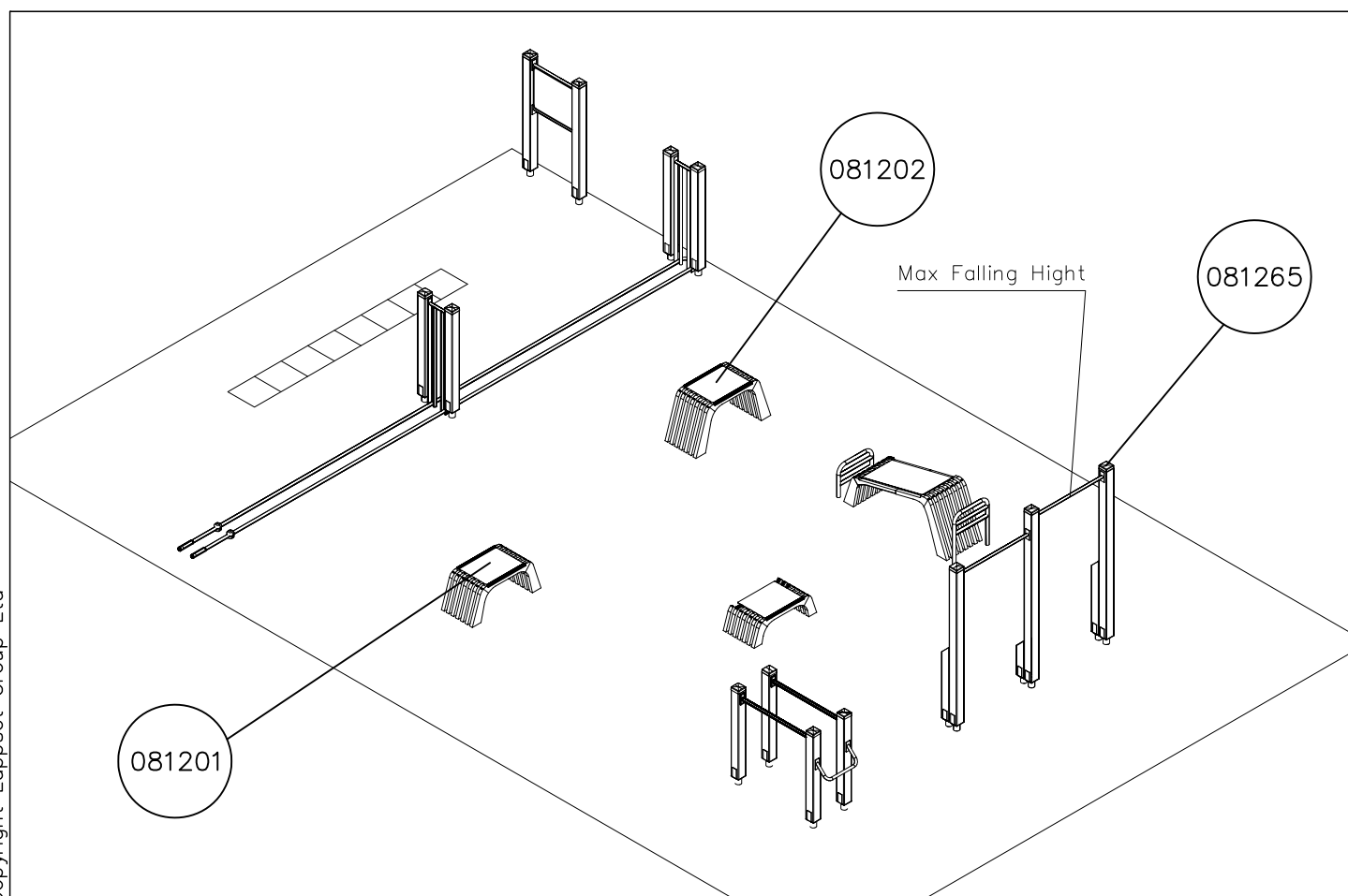
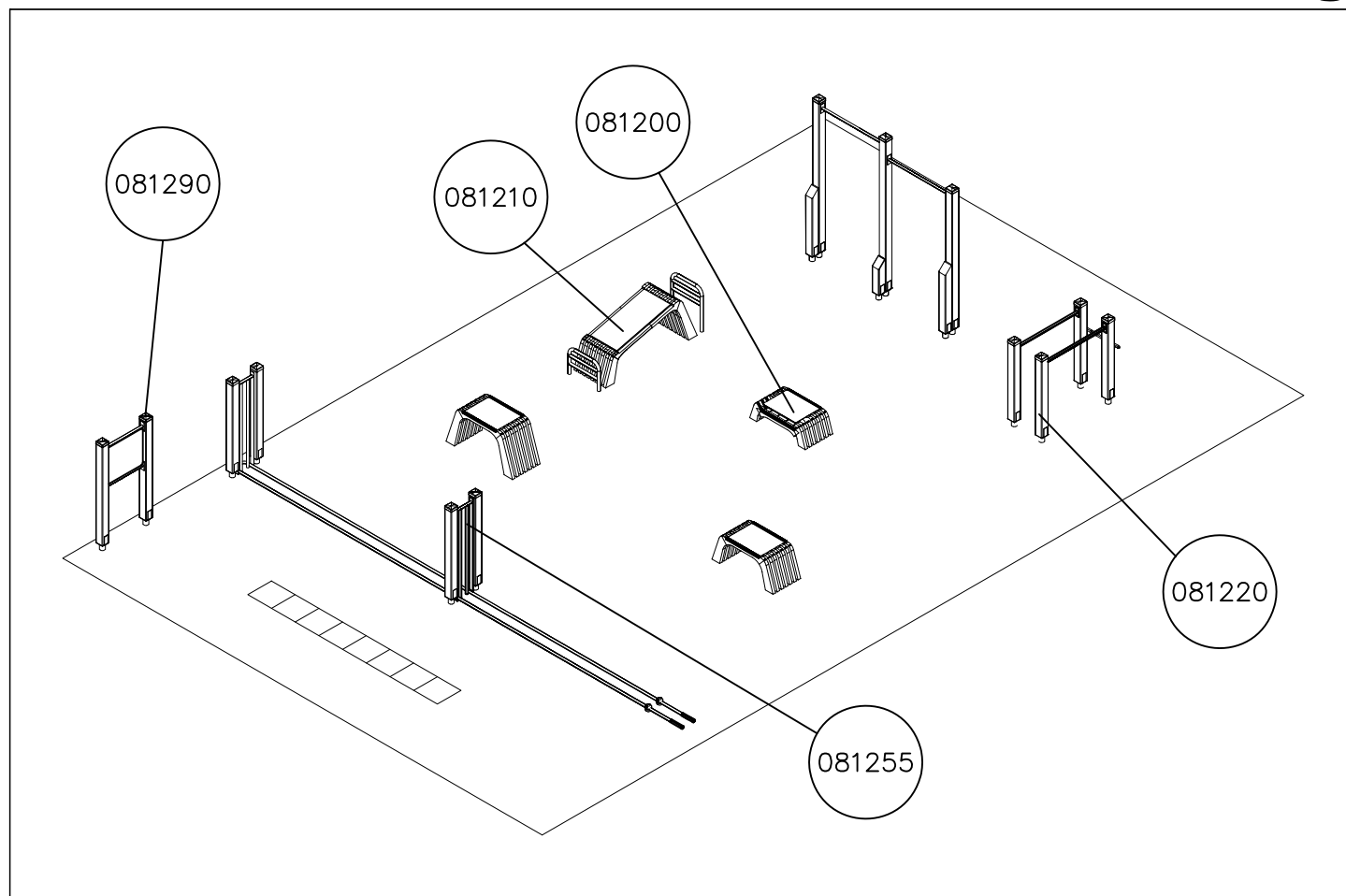
Impact Area 50,4 m<sup>2</sup>  
Grid size = 500 mm

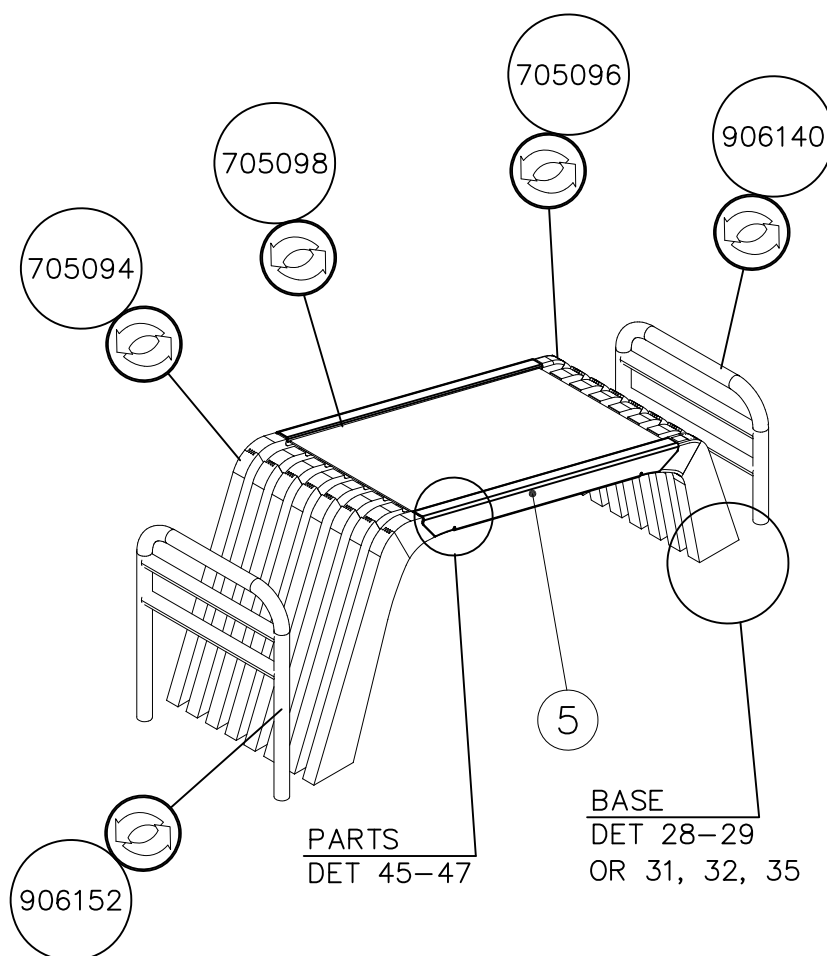


— Area of Movement 97.8 m<sup>2</sup>  
— Impact Area 50.4 m<sup>2</sup>  
Max Falling Height = 2320 mm

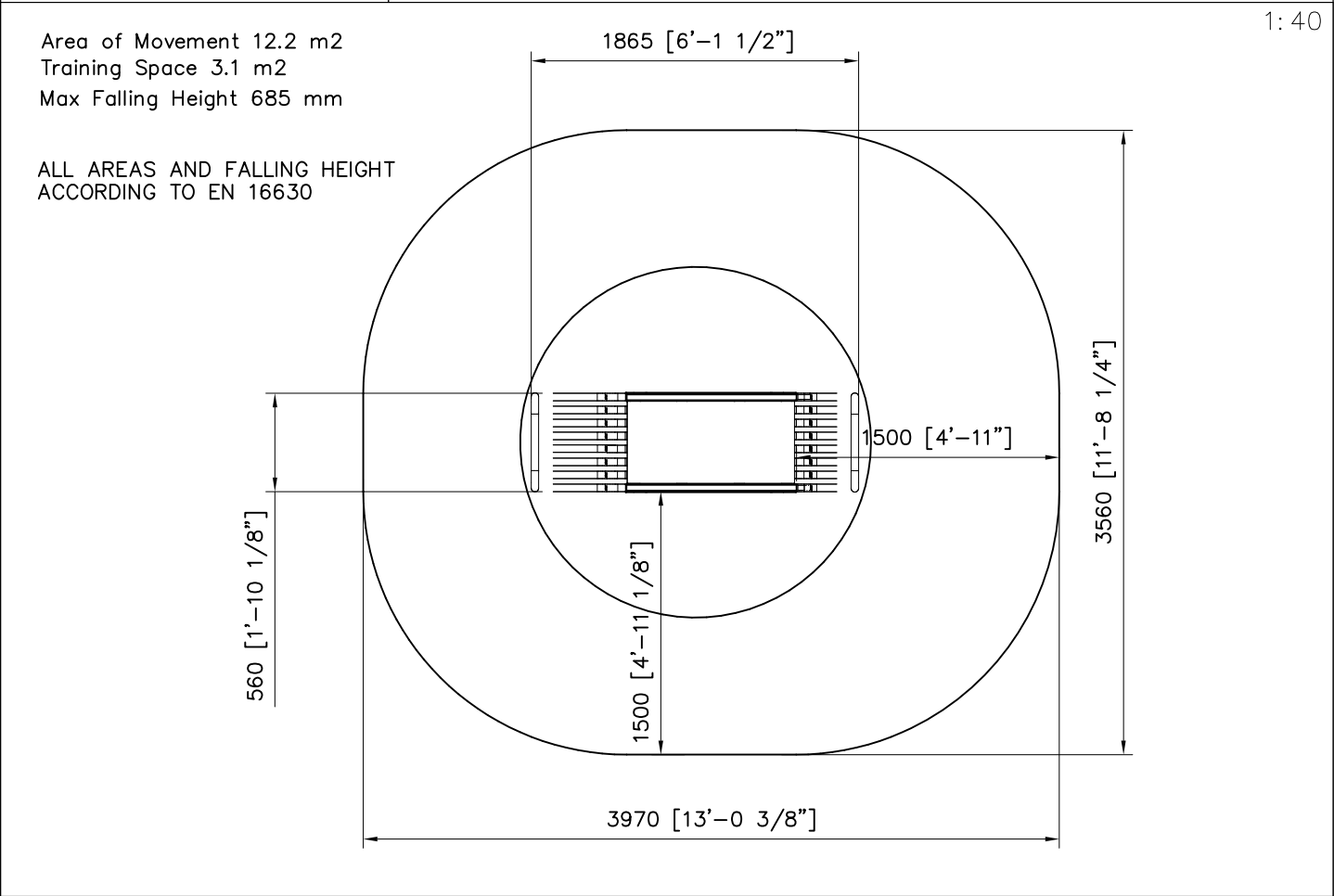
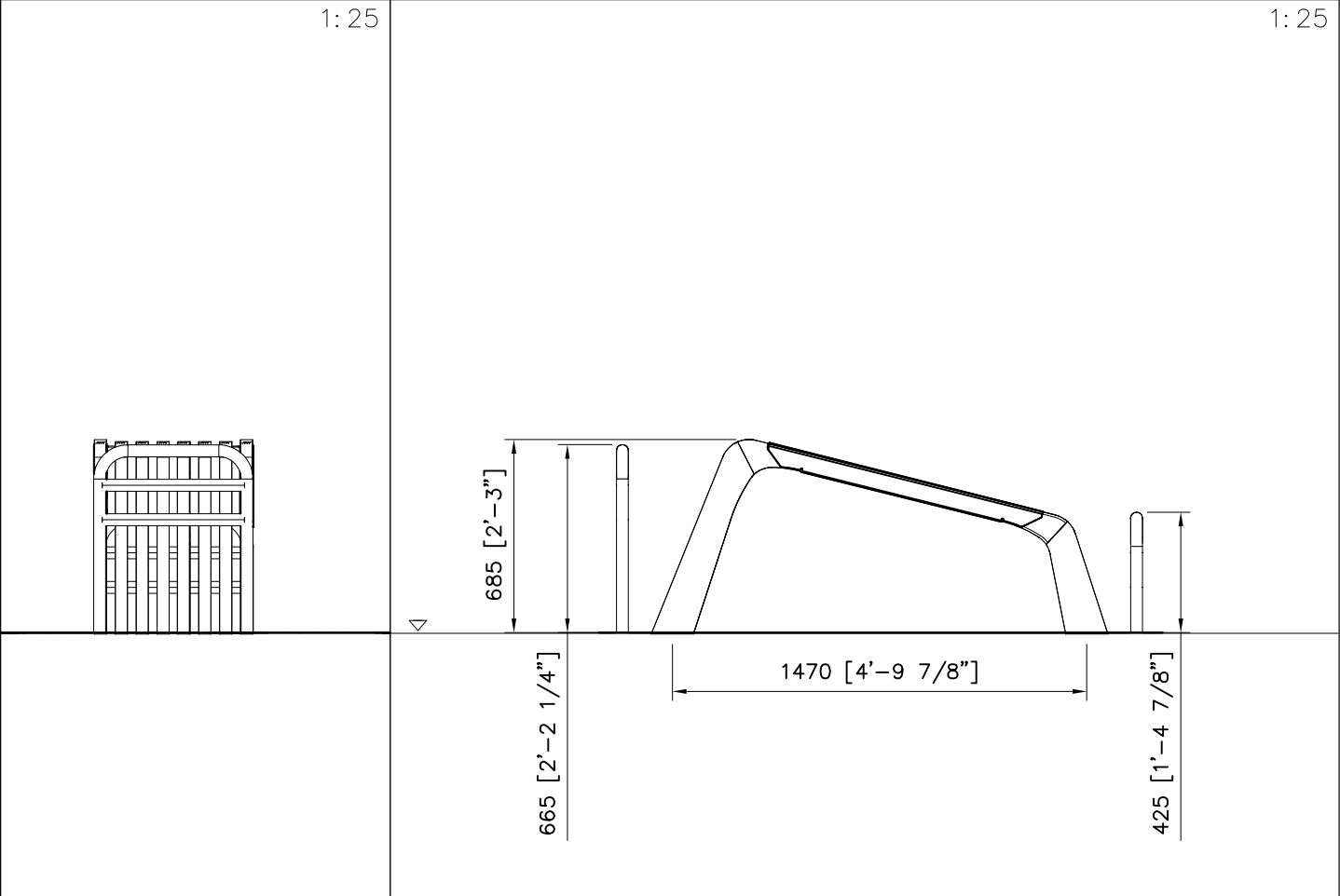


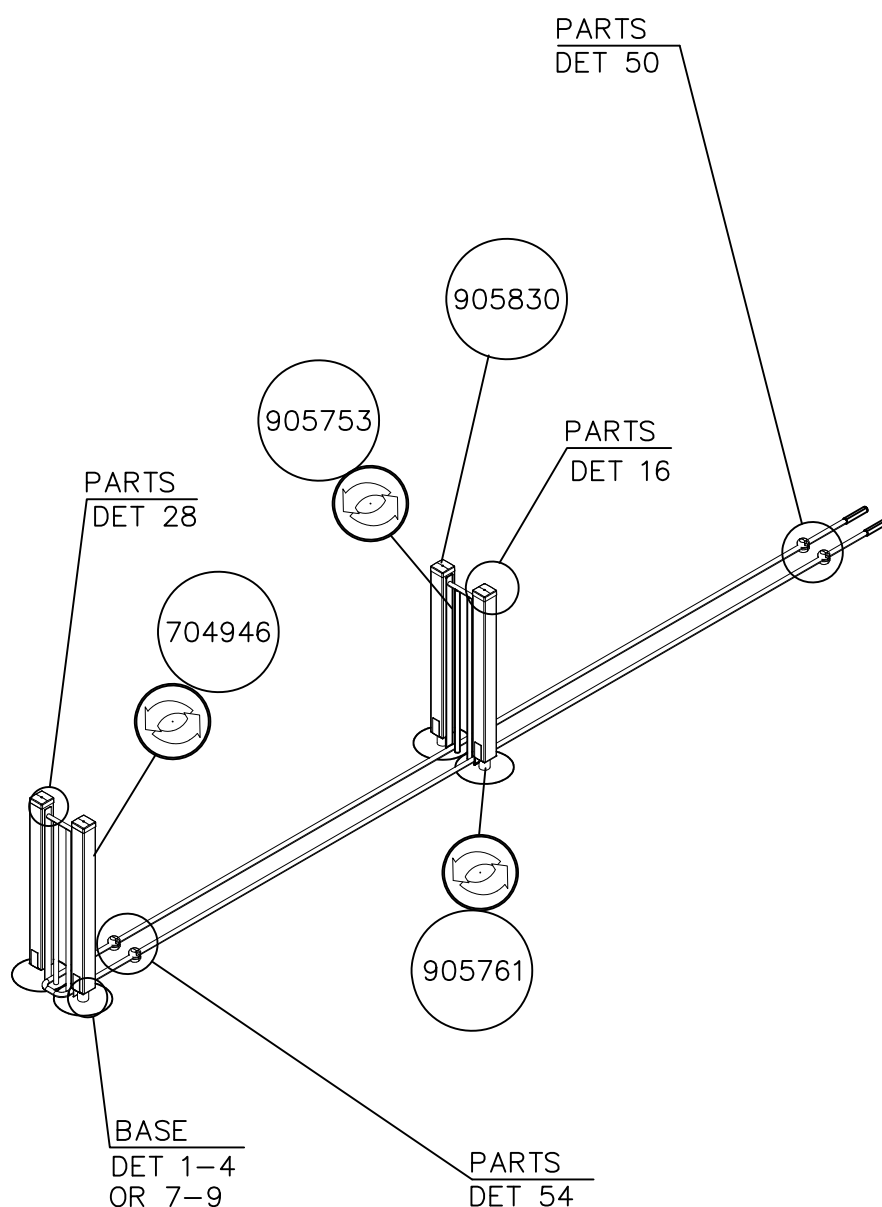




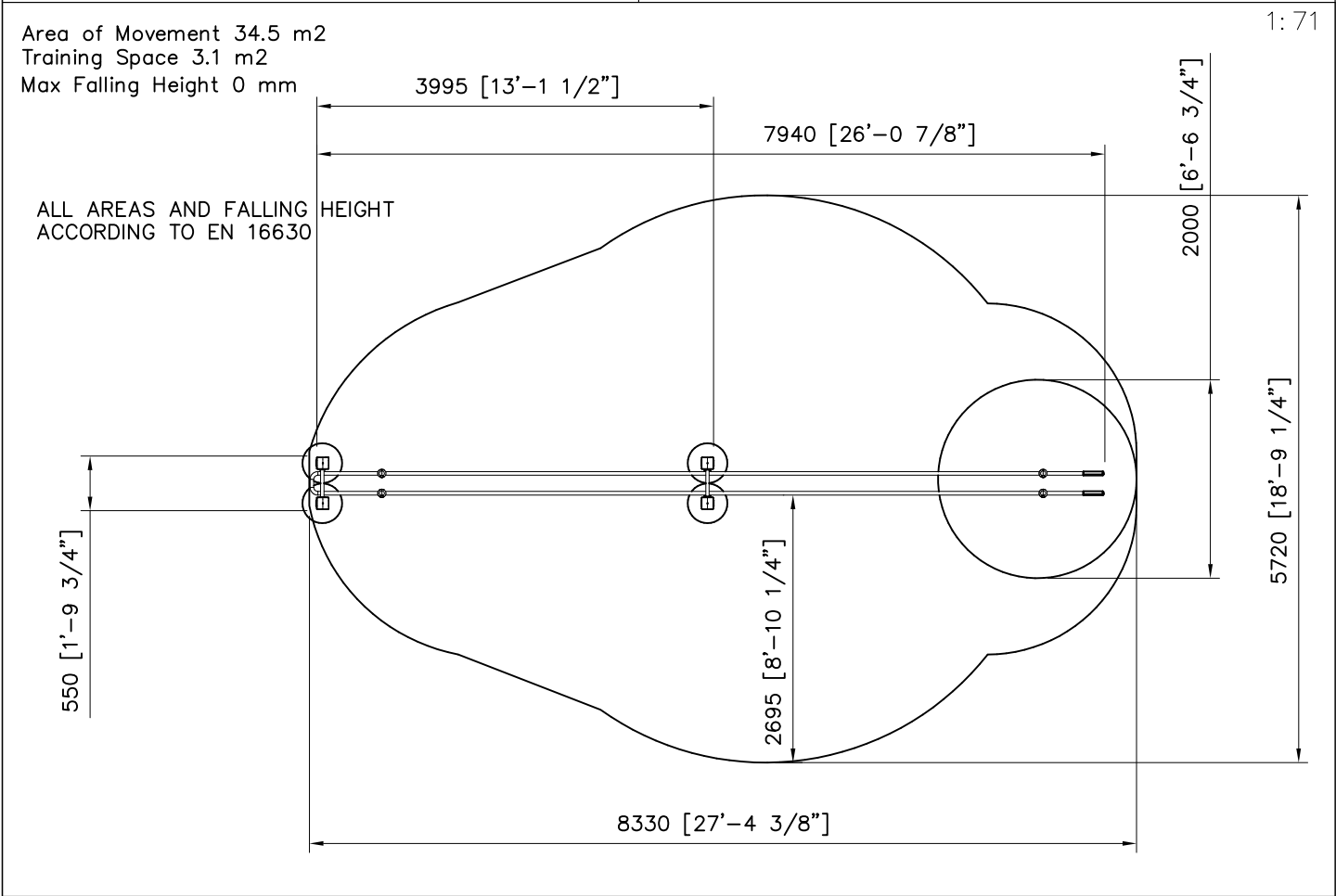
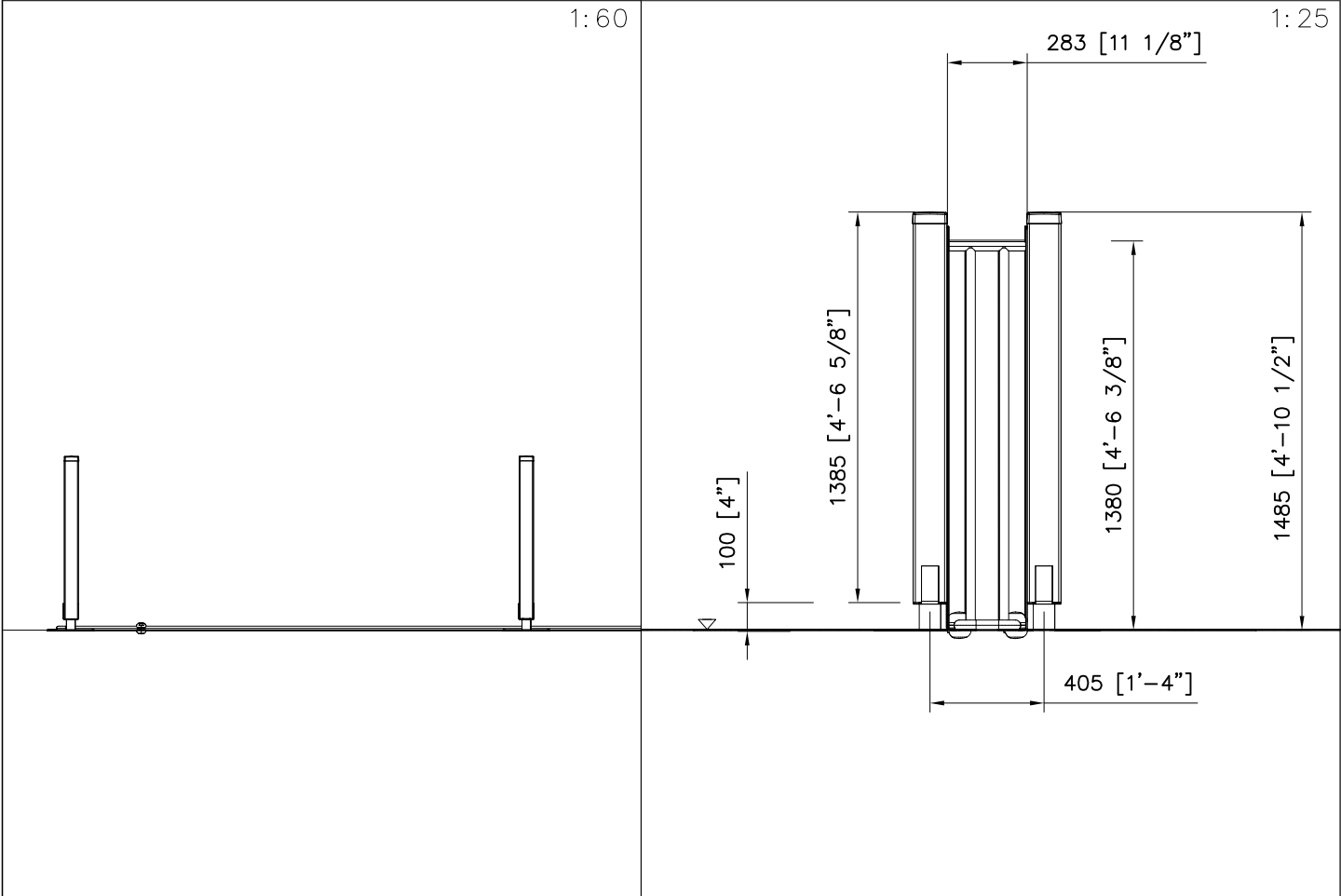


|             |     |            |     |
|-------------|-----|------------|-----|
| ① 705094    | PCS | ② 705096   | PCS |
|             | 1   |            | 1   |
| VATSA 700   |     | VATSA 570  |     |
| ③ 705098    | PCS | ④ 906147   | PCS |
|             | 1   |            | 1   |
| 16x471x1000 |     | 2x120x536  |     |
| ⑤ 906148    | PCS | ⑥ 980102   | PCS |
|             | 2   |            | 8   |
| 2x1000      |     | Ø5x40      |     |
| ⑦ 980106    | PCS | ⑧ 980128   | PCS |
|             | 6   |            | 16  |
| Ø5x40       |     | Ø7x40      |     |
| ⑨ 906140    | PCS | ⑩ 906152   | PCS |
|             | 1   |            | 1   |
| 565x480     |     | 565x720    |     |
| ⑪ 706023    | PCS | ⑫ 980114   | PCS |
|             | 1   |            | 4   |
|             |     | Ø4x20      |     |
| ⑬ 902272    | PCS | ⑭ 909519   | PCS |
|             | 4   |            | 4   |
| 90x90x450   |     | 50x380x380 |     |
| ⑮ 909638    | PCS | ⑯ 909639   | PCS |
|             | 56  |            | 28  |
| Ø20/10,5    |     | M10x25     |     |
|             |     | ⑰ 906630   | PCS |
|             |     |            | 6   |
|             |     | 8x60       |     |



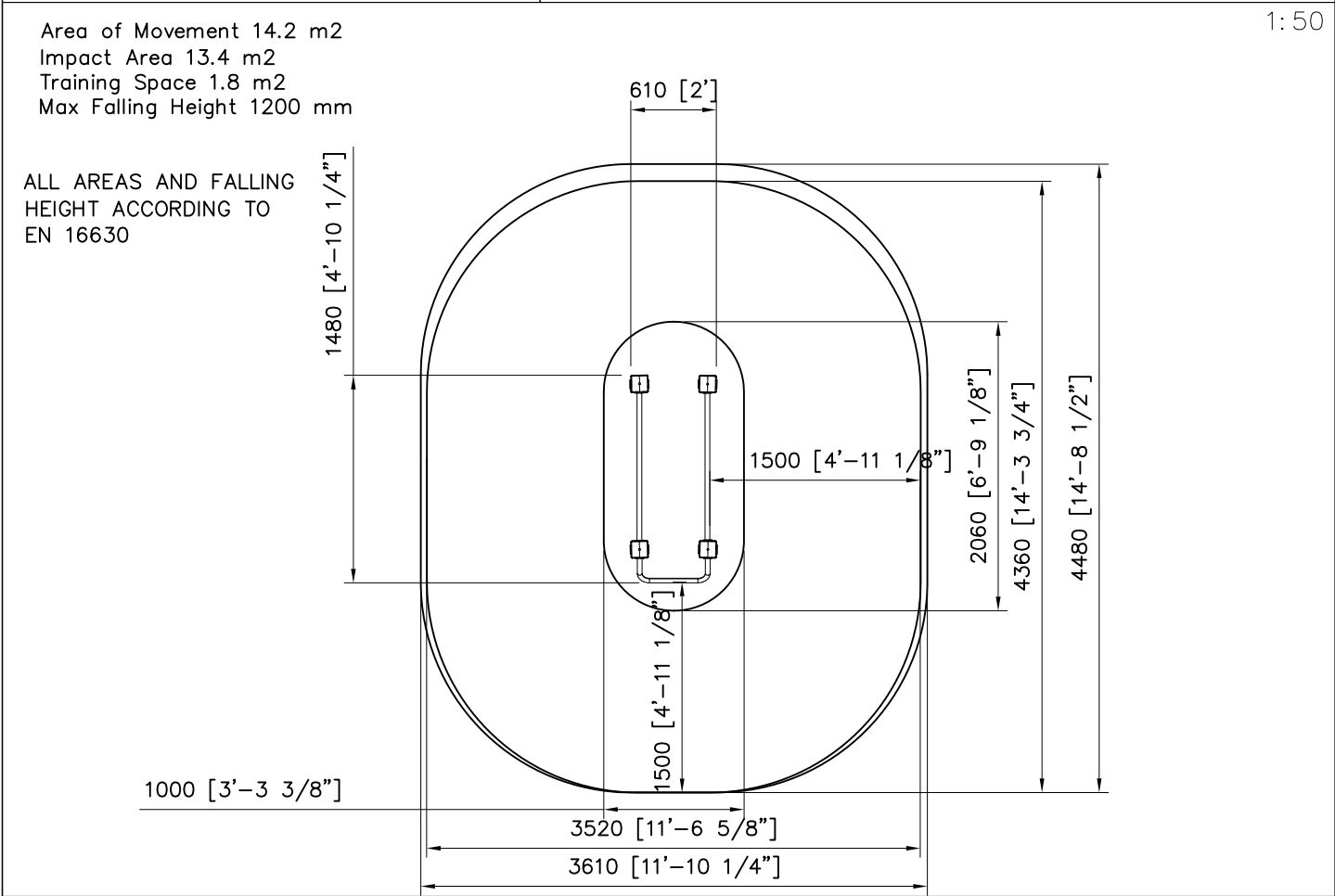
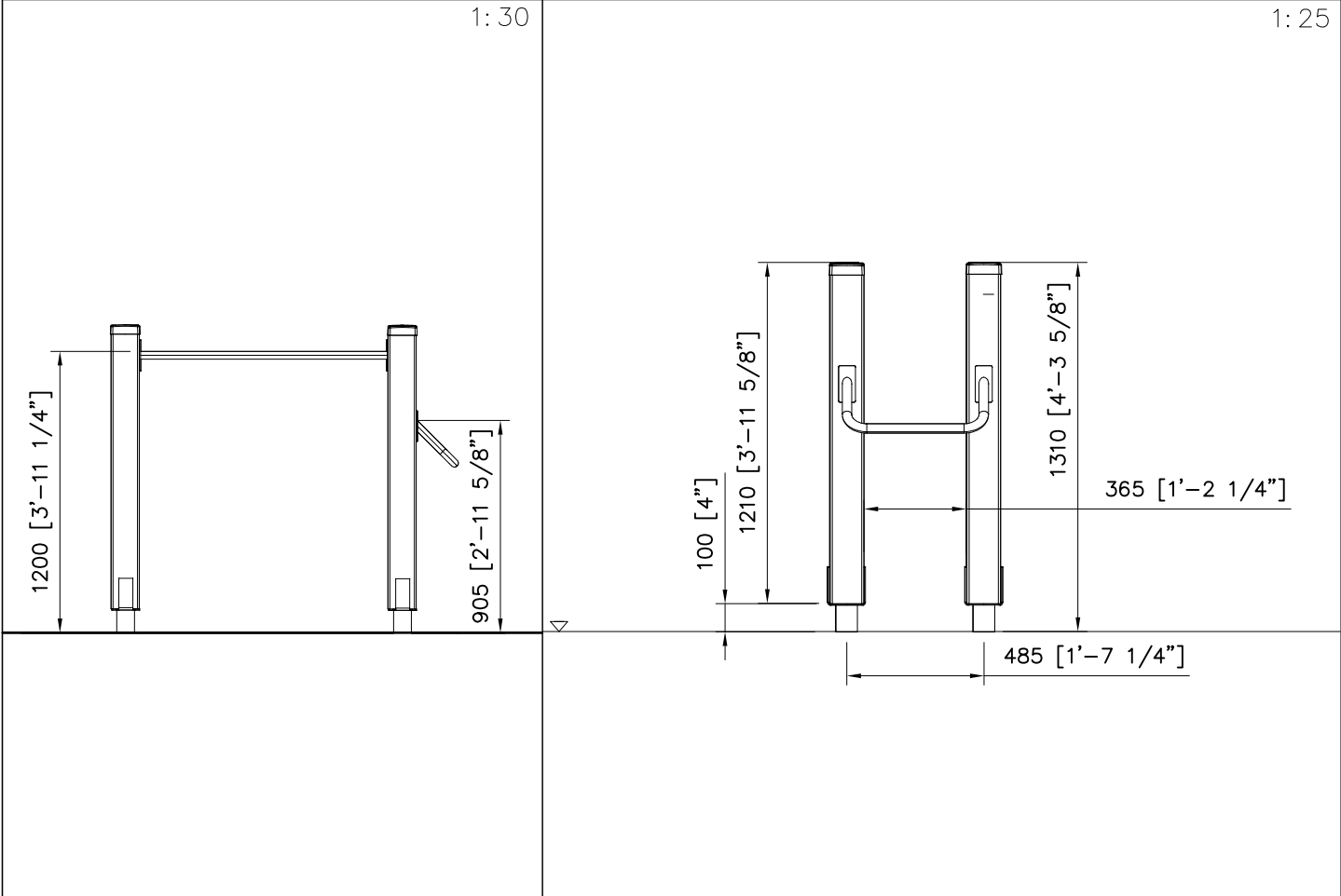


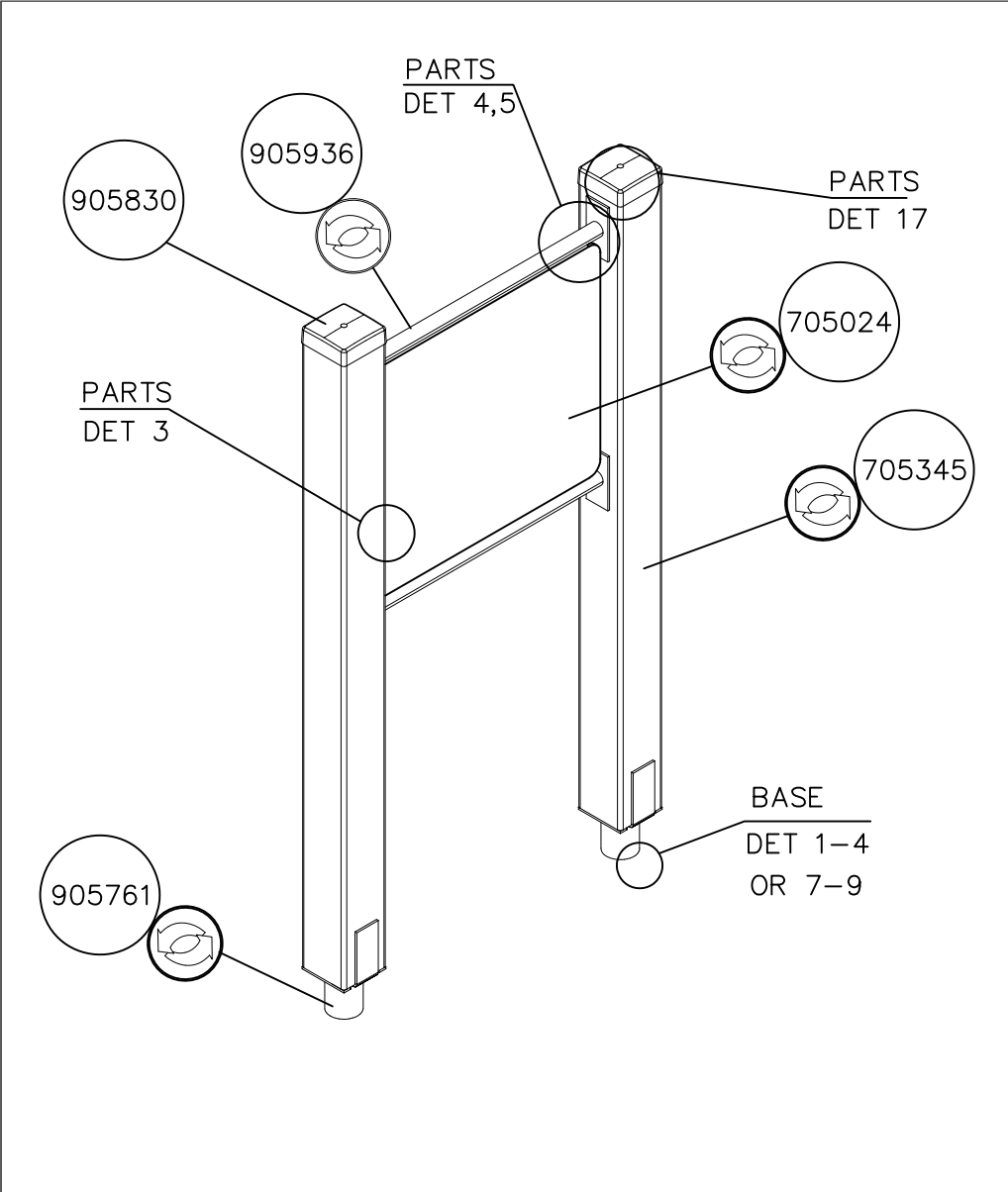
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|--------------|-----|------------|-----|
| ① 706032     | PCS | ② 705158   | PCS |
|              | 1   |            | 1   |
|              |     | Ø37x16000  |     |
| ③ 704946     | PCS | ④ 980114   | PCS |
|              | 4   |            | 4   |
| 120x120x1350 |     | Ø4x20      |     |
| ⑤ 905761     | PCS | ⑥ 905830   | PCS |
|              | 4   |            | 4   |
| 120x120x700  |     | 123x123x40 |     |
| ⑦ 980104     | PCS | ⑧ 980123   | PCS |
|              | 4   |            | 24  |
| Ø5x90        |     | Ø7x60      |     |
| ⑨ 905753     | PCS | ⑩ 905104   | PCS |
|              | 2   |            | 16  |
| 283x1477     |     | M10        |     |
| ⑪ 980100     | PCS | ⑫ 909256   | PCS |
|              | 16  |            | 24  |
| Ø5x60        |     | Ø16/8.4    |     |
|              | PCS |            | PCS |
|              |     |            |     |
|              |     |            |     |
|              | PCS |            | PCS |
|              |     |            |     |
|              |     |            |     |



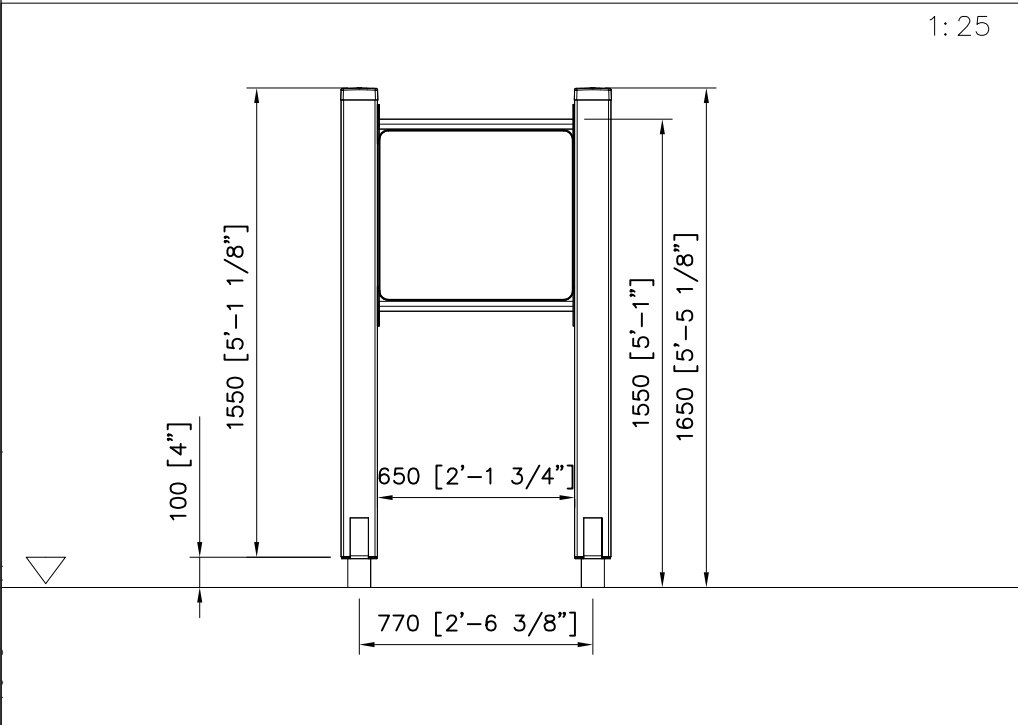


|  |   |             |     |   |              |     |
|--|---|-------------|-----|---|--------------|-----|
|  | ① | 706024      | PCS | ② | 705018       | PCS |
|  |   |             | 1   |   |              | 4   |
|  |   |             |     |   | 120x120x1170 |     |
|  | ③ | 980114      | PCS | ④ | 980123       | PCS |
|  |   |             | 4   |   |              | 40  |
|  |   | Ø4x20       |     |   | Ø7x60        |     |
|  | ⑤ | 905761      | PCS | ⑥ | 905830       | PCS |
|  |   |             | 4   |   |              | 4   |
|  |   | 120x120x700 |     |   | 123x123x40   |     |
|  | ⑦ | 905838      | PCS | ⑧ | 905934       | PCS |
|  |   |             | 2   |   |              | 1   |
|  |   | L=1060      |     |   | L=485        |     |
|  | ⑨ | 980104      | PCS | ⑩ | 905104       | PCS |
|  |   |             | 4   |   |              | 16  |
|  |   | Ø5x90       |     |   | M10          |     |
|  | ⑪ | 909256      | PCS |   |              | PCS |
|  |   |             | 40  |   |              |     |
|  |   | Ø16/8.4     |     |   |              |     |
|  |   |             | PCS |   |              | PCS |
|  |   |             |     |   |              |     |
|  |   |             |     |   |              |     |
|  |   |             | PCS |   |              | PCS |
|  |   |             |     |   |              |     |
|  |   |             |     |   |              |     |





|                |     |              |     |
|----------------|-----|--------------|-----|
| ① 705024       | PCS | ② 705345     | PCS |
|                | 1   |              | 2   |
| 15x640x560     |     | 120x120x1520 |     |
| ③ 909633       | PCS | ④ 905104     | PCS |
|                | 8   |              | 8   |
| M8             |     | M10          |     |
| ⑤ 905761       | PCS | ⑥ 905830     | PCS |
|                | 2   |              | 2   |
| 120x120x700    |     | 123x123x40   |     |
| ⑦ 905936       | PCS | ⑧ 909256     | PCS |
|                | 2   |              | 28  |
| L=652          |     | Ø16/8.4x1.6  |     |
| ⑨ 909855       | PCS | ⑩ 980104     | PCS |
|                | 8   |              | 2   |
| M8x35          |     | Ø5x90        |     |
| ⑪ 980123       | PCS |              | PCS |
|                | 20  |              |     |
| Ø7x60          |     |              |     |
| ⑫ 901899 Optio | PCS |              | PCS |
|                | 8   |              |     |
| M8x45          |     |              |     |
|                | PCS |              | PCS |



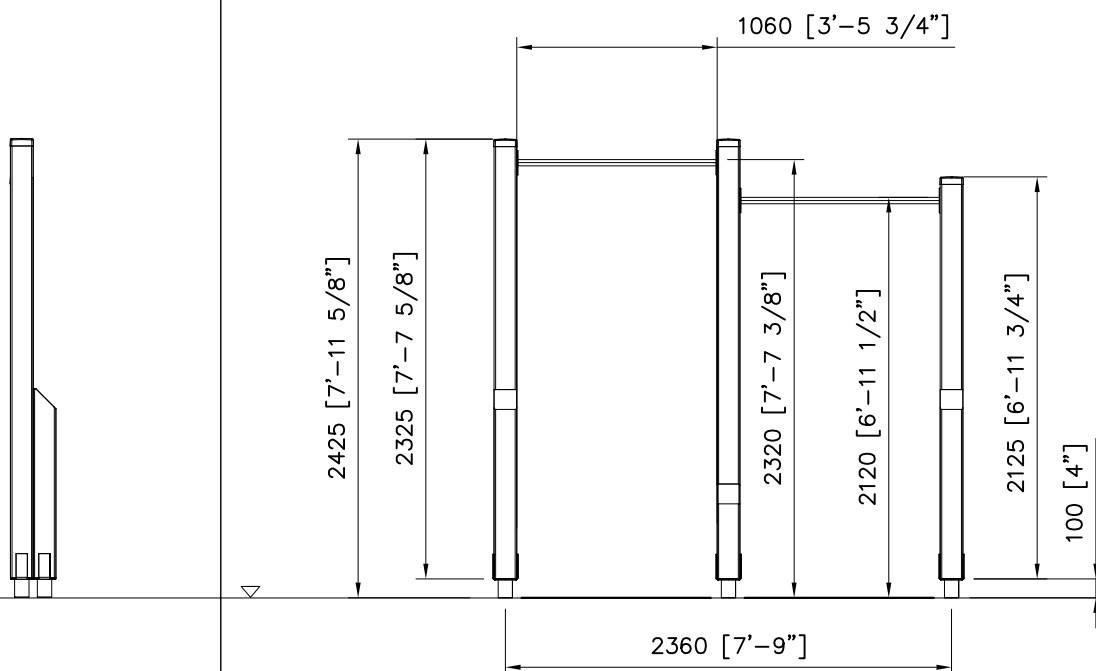


|  |  |  |  |                                              |  |                                                  |  |
|--|--|--|--|----------------------------------------------|--|--------------------------------------------------|--|
|  |  |  |  | <b>① 706033</b> PCS<br>1<br><br>             |  | <b>② 705335</b> PCS<br>2<br><br>120x120x1000     |  |
|  |  |  |  | <b>③ 705406</b> PCS<br>1<br><br>126x181x18   |  | <b>④ 980114</b> PCS<br>4<br><br>Ø4x20            |  |
|  |  |  |  | <b>⑤ 705405</b> PCS<br>1<br><br>120x120x500  |  | <b>⑥ 905103</b> PCS<br>7<br><br>PT-28/32-H       |  |
|  |  |  |  | <b>⑦ 905104</b> PCS<br>24<br><br>M10         |  | <b>⑧ 905761</b> PCS<br>6<br><br>120x120x700      |  |
|  |  |  |  | <b>⑨ 905830</b> PCS<br>3<br><br>123x123x40   |  | <b>⑩ 905838</b> PCS<br>2<br><br>L=1060           |  |
|  |  |  |  | <b>⑪ 906583</b> PCS<br>2<br><br>126x181x14x3 |  | <b>⑫ 909246</b> PCS<br>7<br><br>M12x140<br>Ø5x60 |  |
|  |  |  |  | <b>⑬ 980100</b> PCS<br>3<br><br>Ø5x60        |  | <b>⑭ 980104</b> PCS<br>3<br><br>Ø5x90            |  |
|  |  |  |  | <b>⑮ 980123</b> PCS<br>40<br><br>Ø7x60       |  | <b>⑯ 980154</b> PCS<br>7<br><br>Ø24/13           |  |
|  |  |  |  | <b>⑰ 705231</b> PCS<br>1<br><br>120x120x2290 |  | <b>⑱ 705388</b> PCS<br>1<br><br>120x120x2090     |  |
|  |  |  |  | <b>⑲ 705402</b> PCS<br>1<br><br>120x120x2290 |  | <b>⑳ 909256</b> PCS<br>40<br><br>Ø16/8.4         |  |



1:40

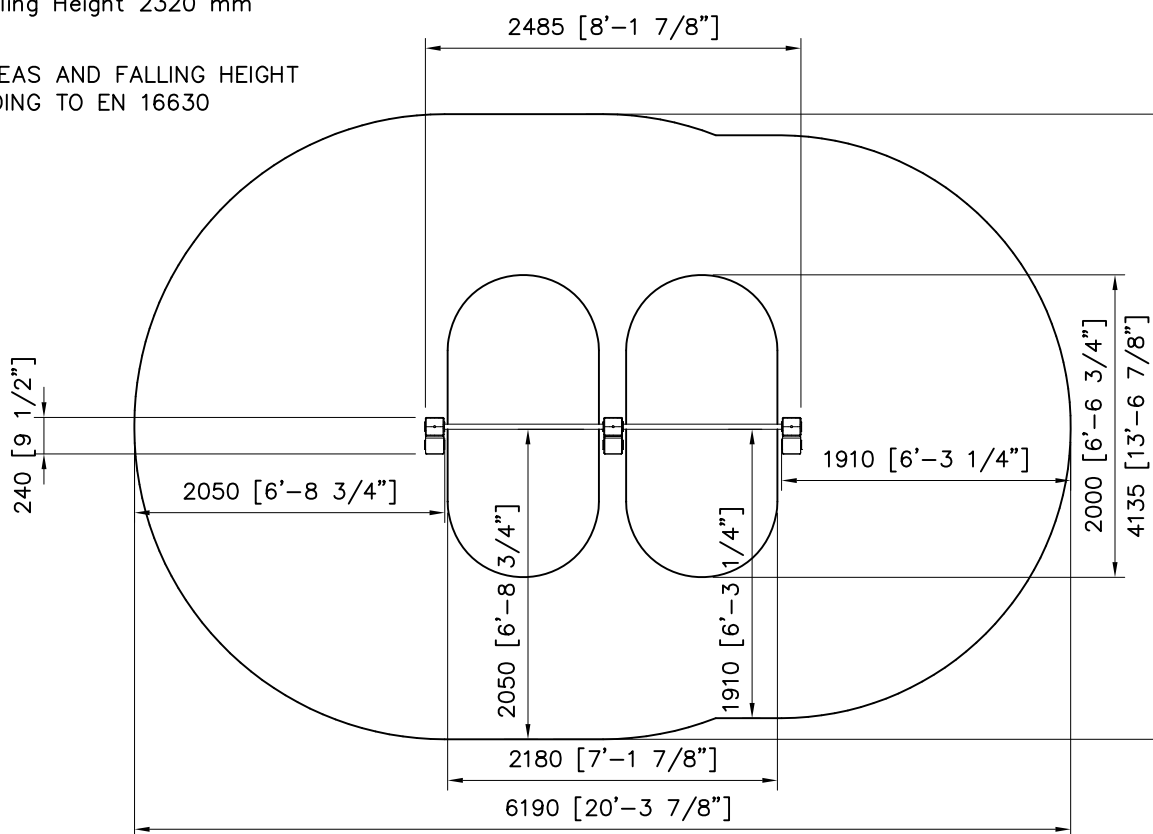
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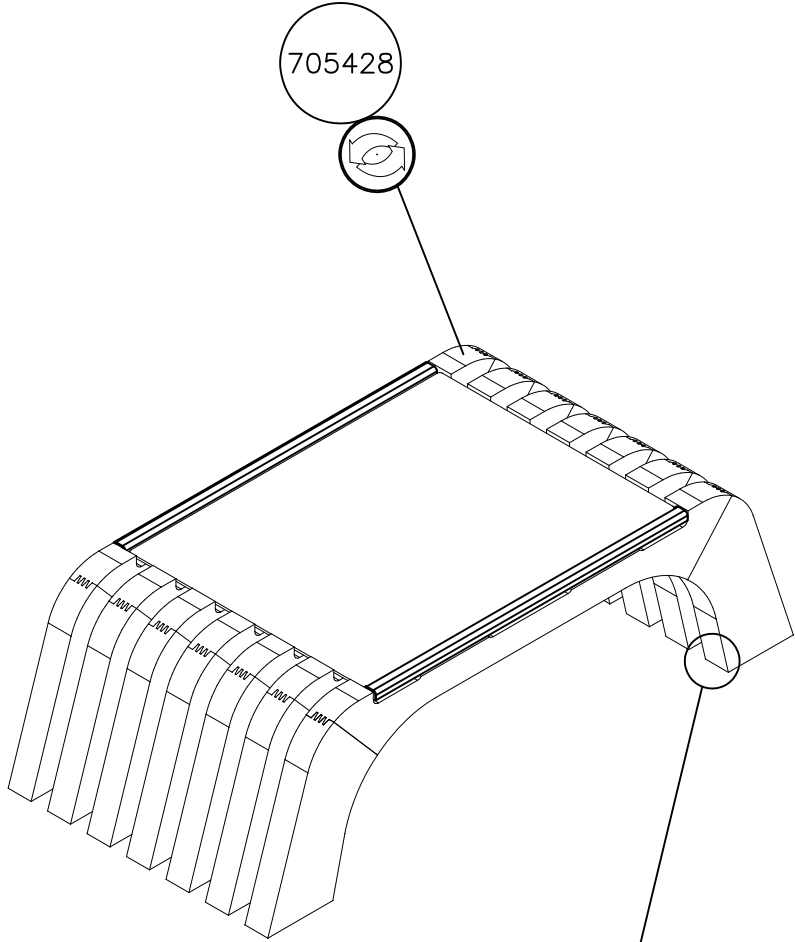


Area of Movement 21.5 m<sup>2</sup>  
Impact Area 21.5 m<sup>2</sup>  
Training Space 3.6 m<sup>2</sup>  
Max Falling Height 2320 mm

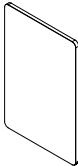
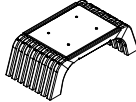
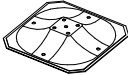
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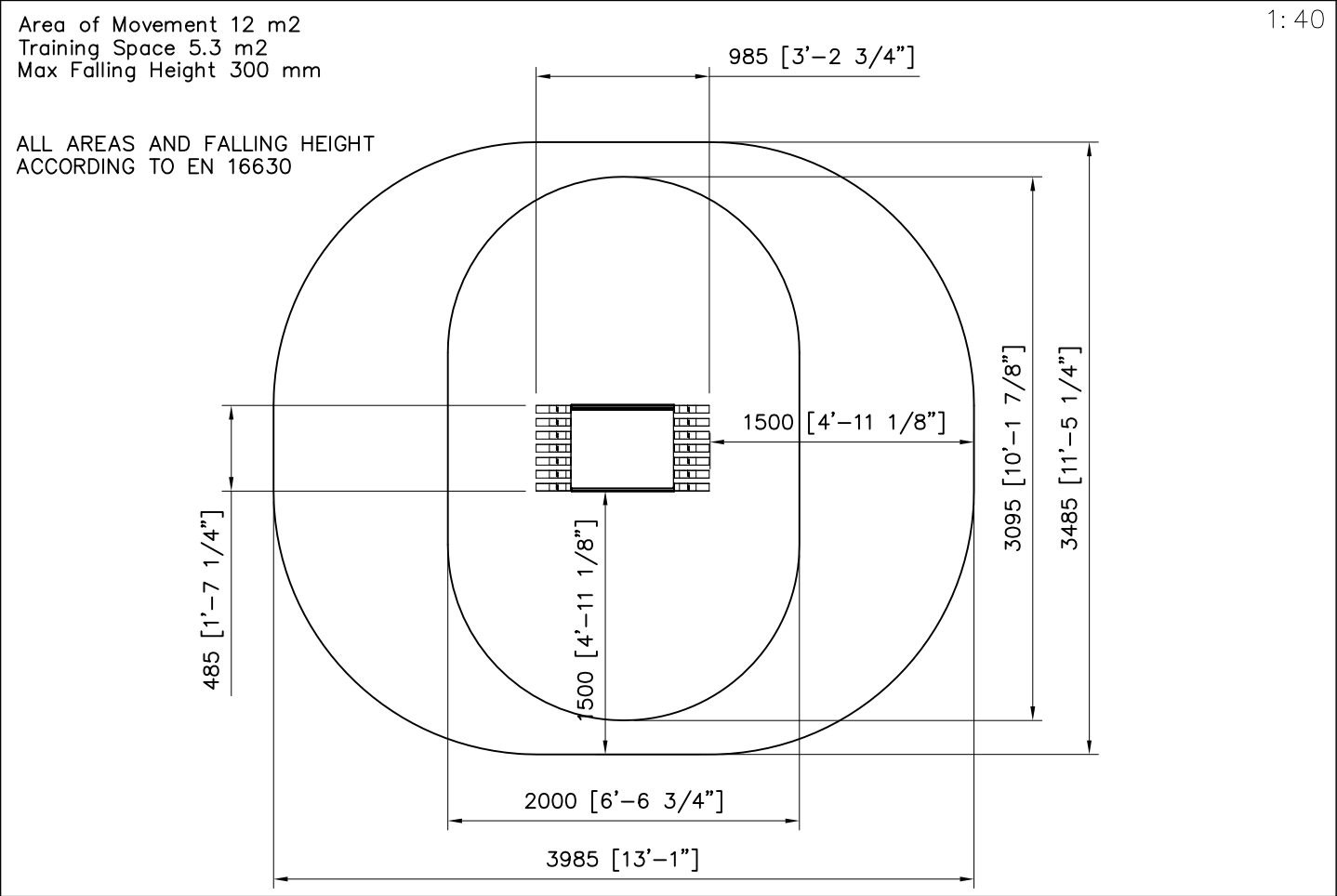
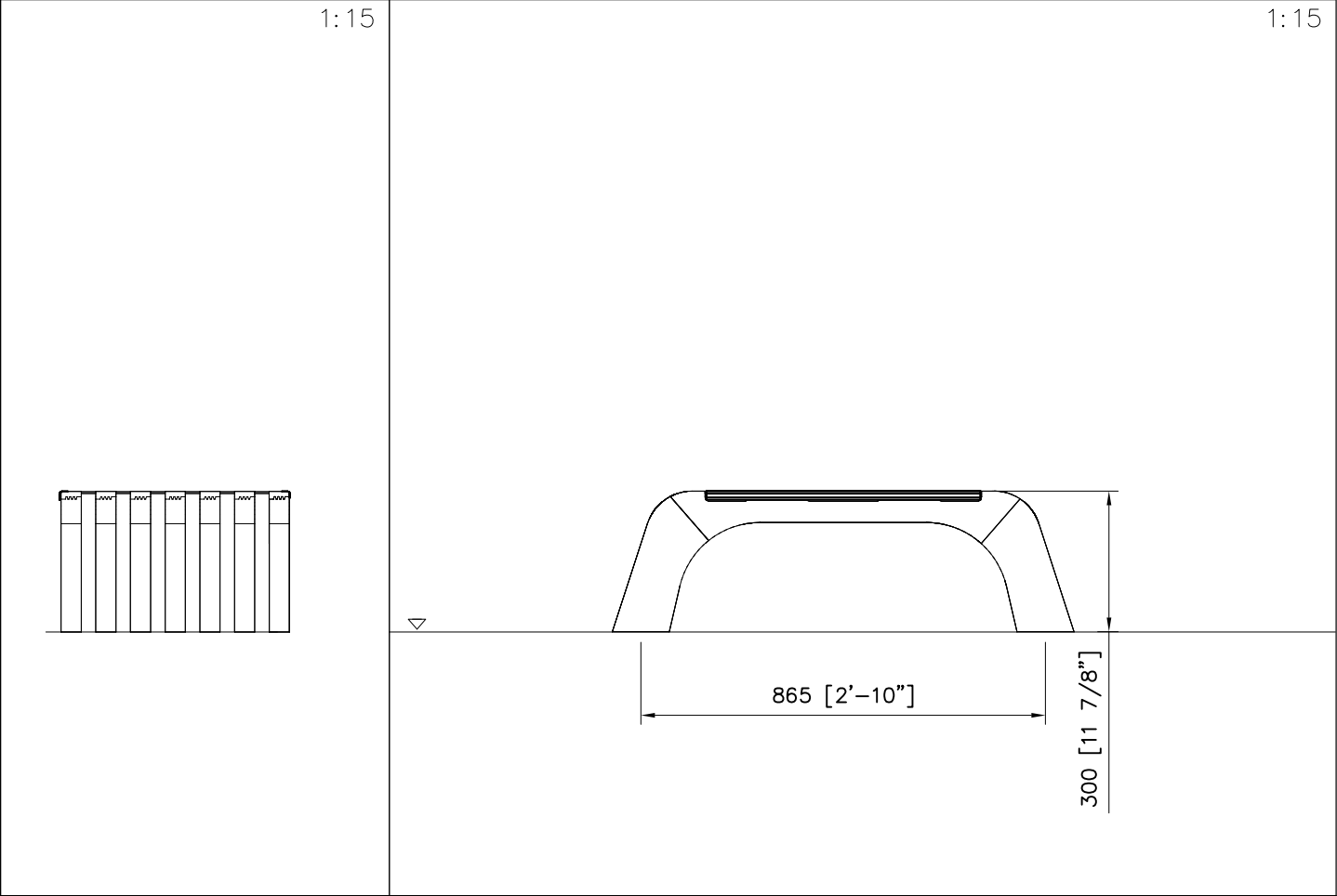
ALL AREAS AND FALLING HEIGHT  
ACCORDING TO EN 16630

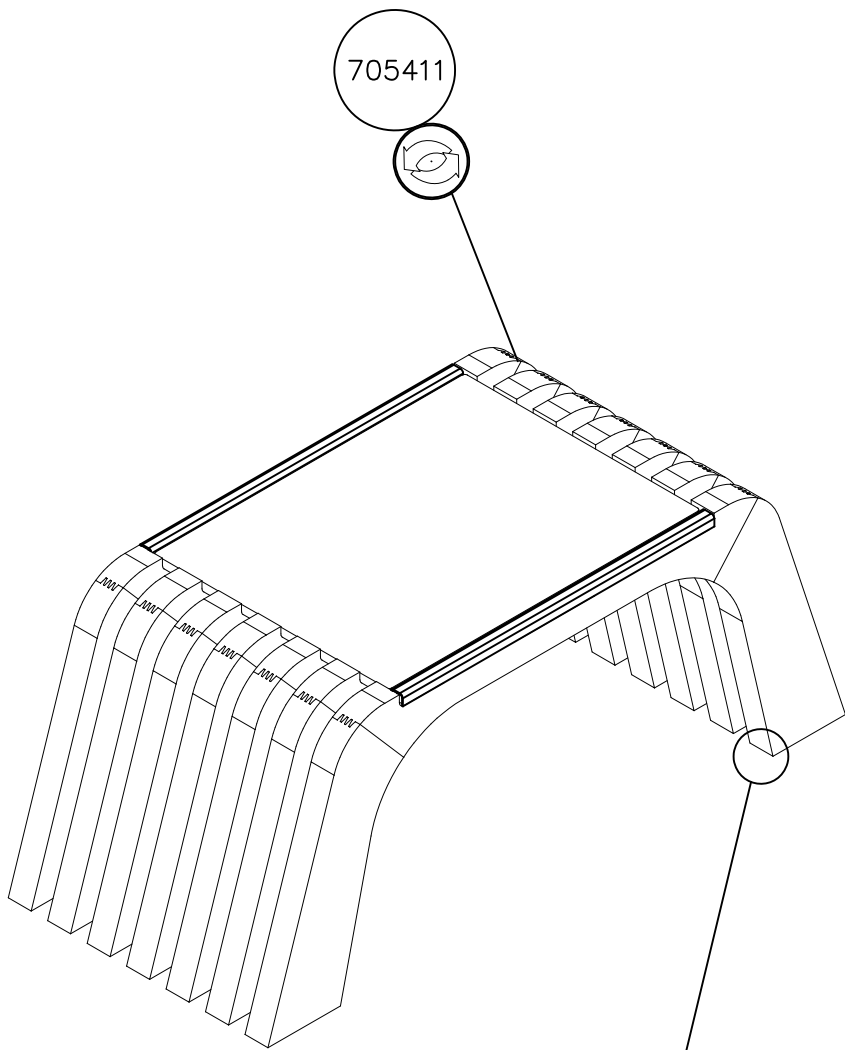




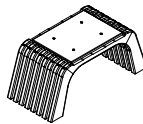
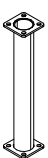
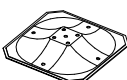
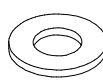
BASE  
DET 22-24  
OR 25-27

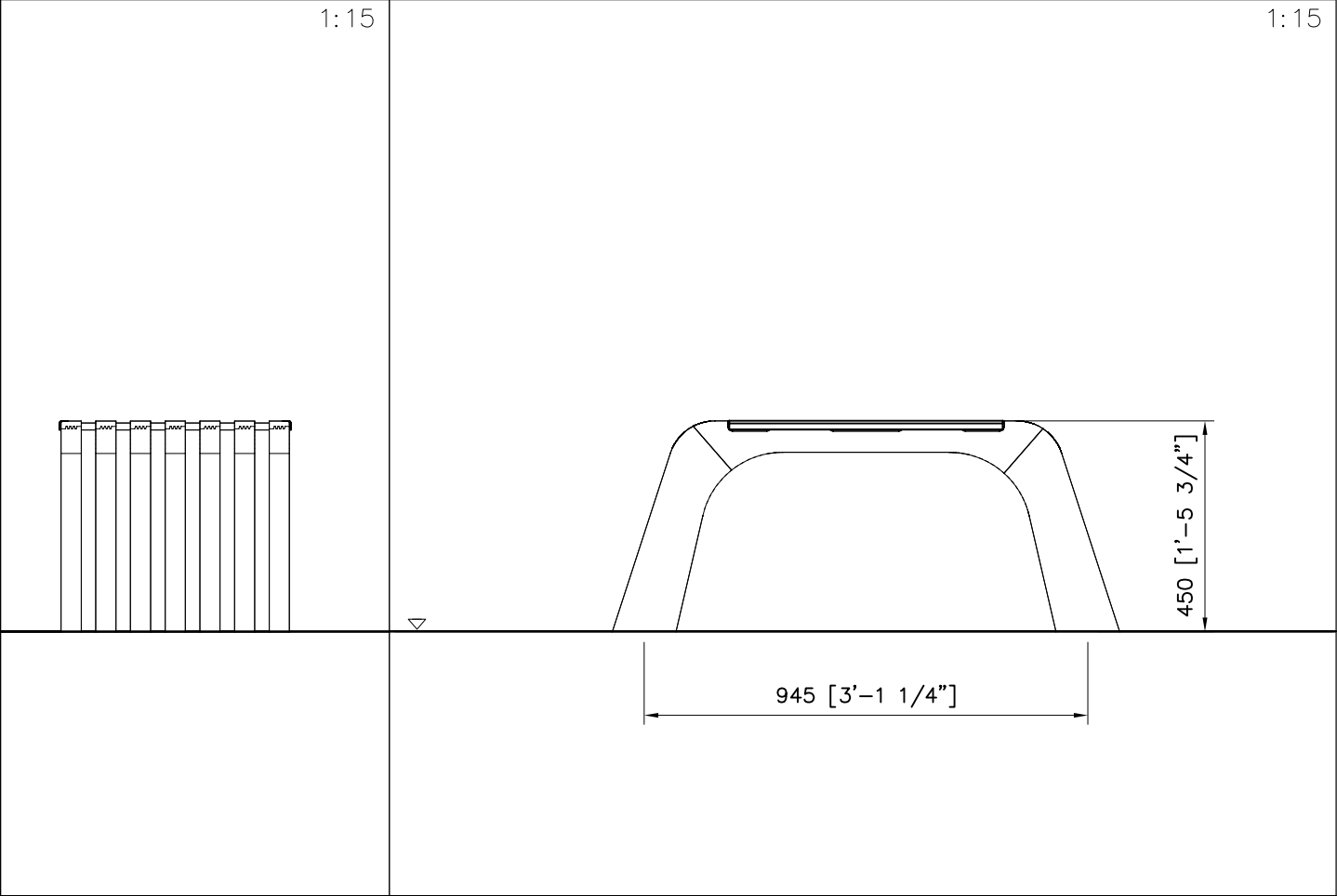
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|---------------------------------------------------------------------------------------|--------|-----|---------------------------------------------------------------------------------------|--------|-----|
| ①                                                                                     | 706017 | PCS | ②                                                                                     | 980114 | PCS |
|    | 1      |     |    | 4      |     |
|                                                                                       |        |     | Ø4x20                                                                                 |        |     |
| ③                                                                                     | 705428 | PCS | ④                                                                                     | 902272 | PCS |
|    | 1      |     |    | 4      |     |
|                                                                                       |        |     | 90x90x450                                                                             |        |     |
| ⑤                                                                                     | 909519 | PCS | ⑥                                                                                     | 909639 | PCS |
|    | 4      |     |    | 8      |     |
| 50x380x380                                                                            |        |     | M10x25                                                                                |        |     |
| ⑦                                                                                     | 909638 | PCS | ⑧                                                                                     | 909637 | PCS |
|  | 16     |     |  | 8      |     |
| Ø20/10.5                                                                              |        |     | M10                                                                                   |        |     |
|                                                                                       | PCS    |     |                                                                                       | PCS    |     |
|                                                                                       |        |     |                                                                                       |        |     |
|                                                                                       | PCS    |     |                                                                                       | PCS    |     |
|                                                                                       |        |     |                                                                                       |        |     |
|                                                                                       | PCS    |     |                                                                                       | PCS    |     |
|                                                                                       |        |     |                                                                                       |        |     |
|                                                                                       | PCS    |     |                                                                                       | PCS    |     |
|                                                                                       |        |     |                                                                                       |        |     |





BASE  
DET 22-24  
OR 25-27

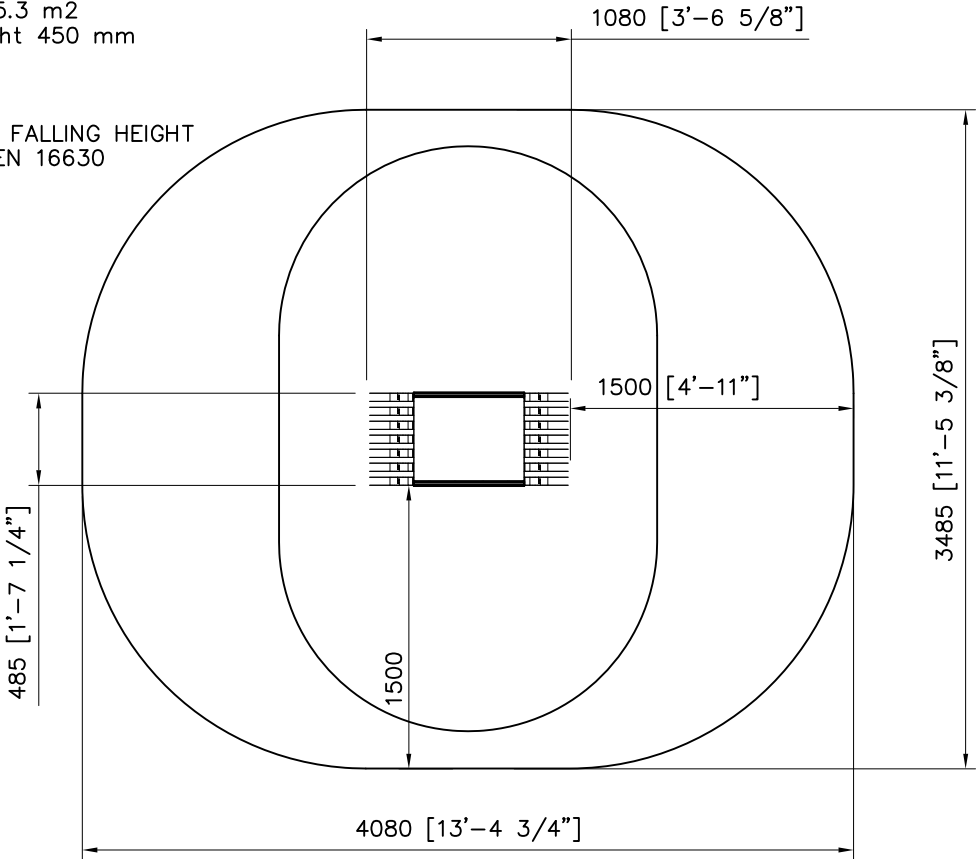
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|---------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-----|
| ① 706018                                                                              | PCS | ② 980114                                                                              | PCS |
|    | 1   |    | 4   |
|                                                                                       |     | Ø4x20                                                                                 |     |
| ③ 705411                                                                              | PCS | ④ 902272                                                                              | PCS |
|    | 1   |    | 4   |
|                                                                                       |     | 90x90x450                                                                             |     |
| ⑤ 909519                                                                              | PCS | ⑥ 909639                                                                              | PCS |
|    | 4   |    | 8   |
| 50x380x380                                                                            |     | M10x25                                                                                |     |
| ⑦ 909638                                                                              | PCS | ⑧ 909637                                                                              | PCS |
|  | 16  |  | 8   |
| Ø20/10.5                                                                              |     | M10                                                                                   |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |

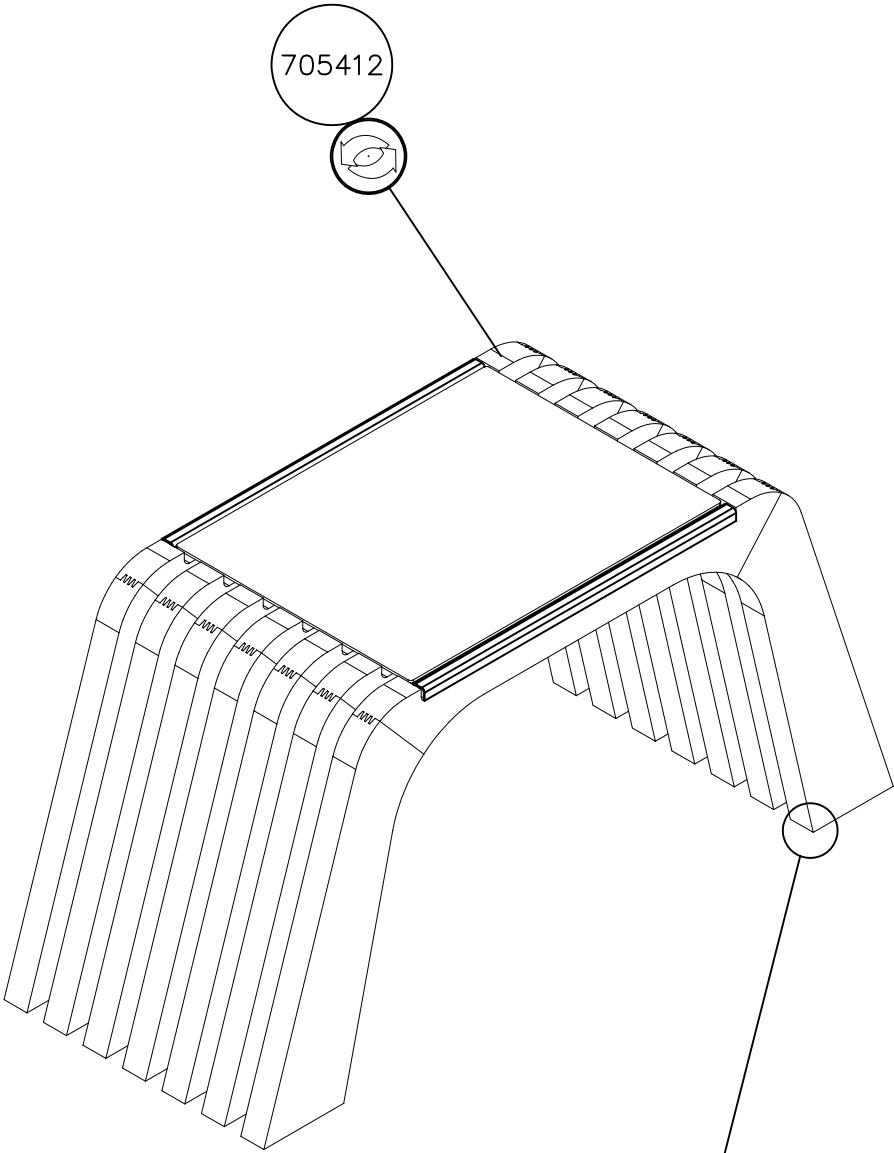


Area of Movement 12.3 m2  
Training Space 5.3 m2  
Max Falling Height 450 mm

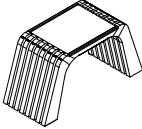
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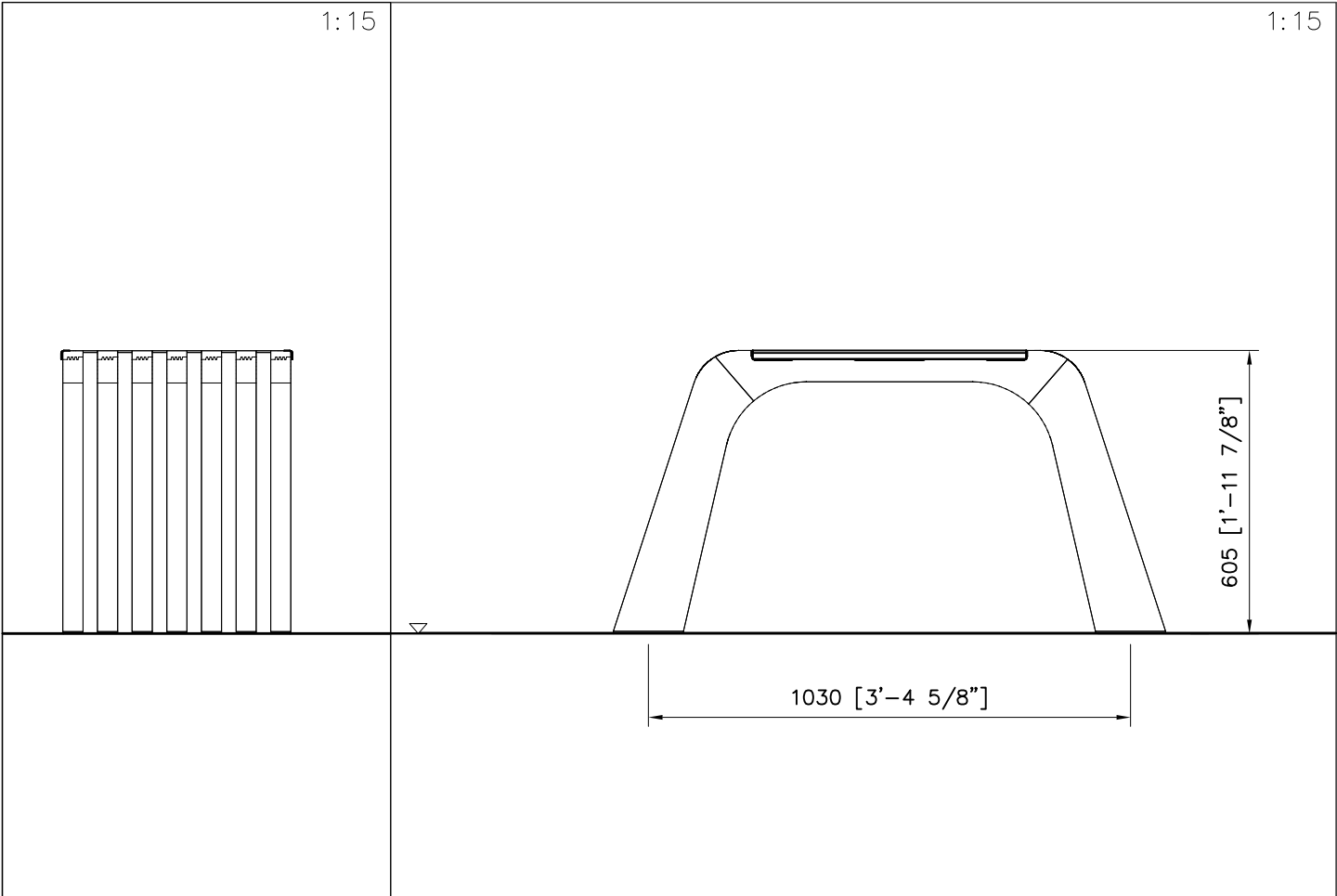
ALL AREAS AND FALLING HEIGHT  
ACCORDING TO EN 16630





BASE  
DET 22-24  
OR 25-27

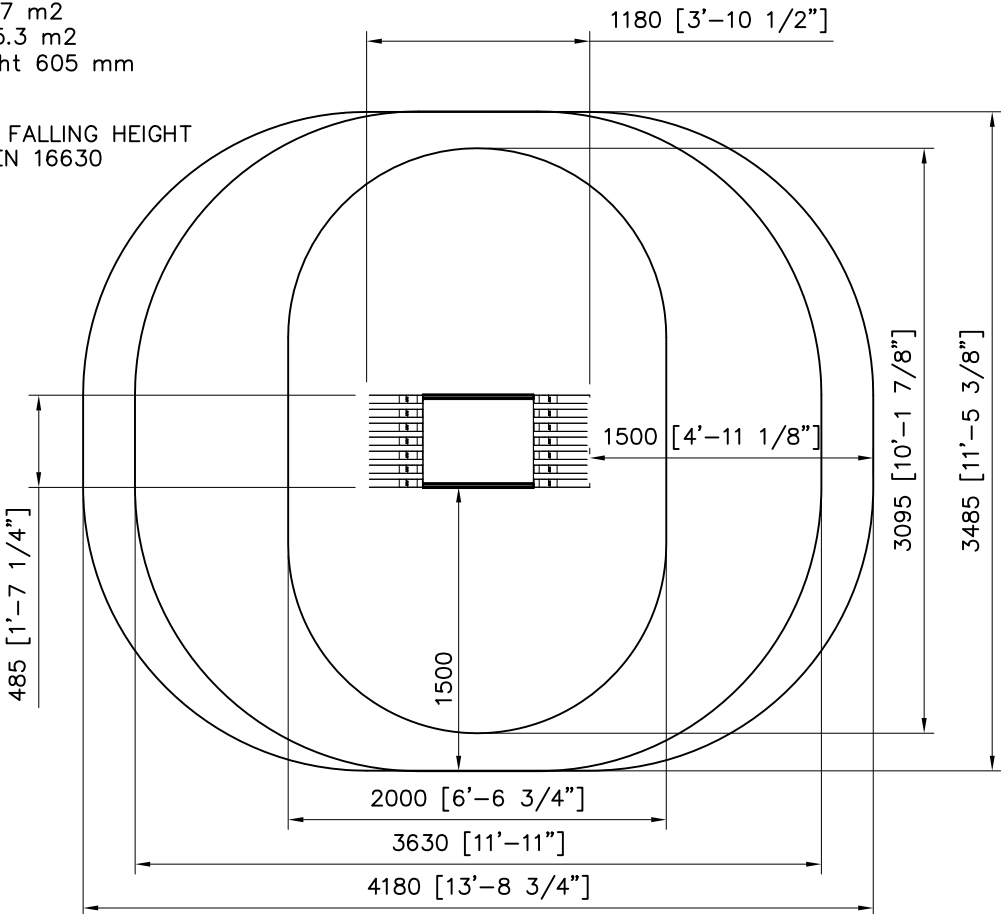
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|---------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-----|
| ① 706019                                                                              | PCS | ② 980114                                                                              | PCS |
|    | 1   |    | 4   |
|                                                                                       |     | Ø4x20                                                                                 |     |
| ③ 705412                                                                              | PCS | ④ 902272                                                                              | PCS |
|    | 1   |    | 4   |
|                                                                                       |     | 90x90x450                                                                             |     |
| ⑤ 909519                                                                              | PCS | ⑥ 909639                                                                              | PCS |
|    | 4   |    | 8   |
| 50x380x380                                                                            |     | M10x25                                                                                |     |
| ⑦ 909638                                                                              | PCS | ⑧ 909637                                                                              | PCS |
|  | 16  |  | 8   |
| Ø20/10.5                                                                              |     | M10                                                                                   |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |
|                                                                                       |     |                                                                                       |     |
|                                                                                       |     |                                                                                       |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |
|                                                                                       |     |                                                                                       |     |
|                                                                                       |     |                                                                                       |     |
|                                                                                       | PCS |                                                                                       | PCS |
|                                                                                       |     |                                                                                       |     |
|                                                                                       |     |                                                                                       |     |
|                                                                                       |     |                                                                                       |     |

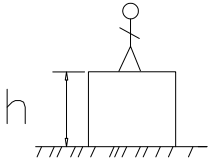
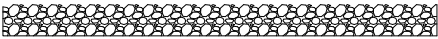
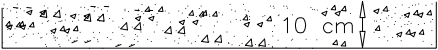
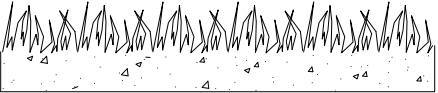
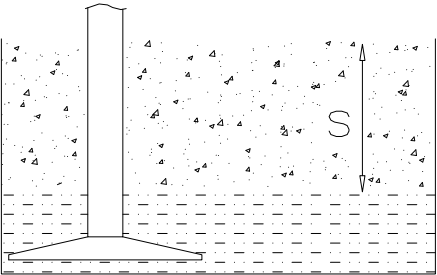
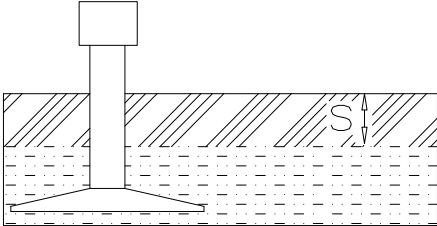


Area of Movement 12.6 m<sup>2</sup>  
Impact Area 10.7 m<sup>2</sup>  
Training Space 5.3 m<sup>2</sup>  
Max Falling Height 605 mm

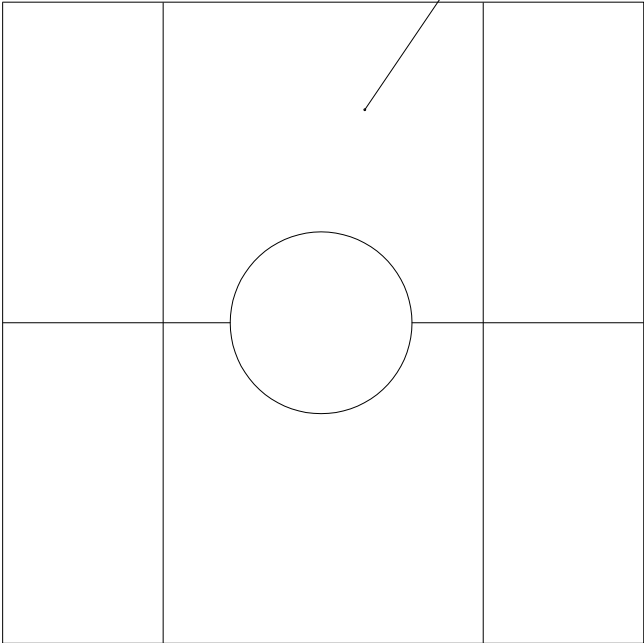
ALL AREAS AND FALLING HEIGHT  
ACCORDING TO EN 16630

1:40

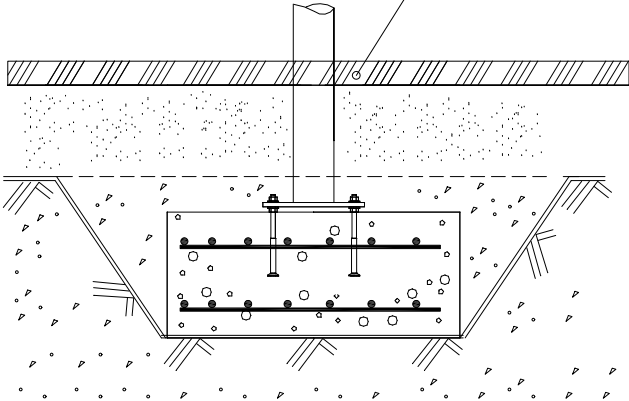


|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                         |
| <div><div><b>h &lt; 600</b></div><div>Without movement<br/>and therefore<br/>without Impact Area</div></div> | Totally hard surfaces.                                                                                                                                                                                                                                                                                                                                                   | <div>E.g. concrete or asphalt</div>                                                                                                                                                                                                                  |
| <div><div><b>h &lt; 600</b></div><div>With movement<br/>e.g. rocking</div></div>                             | Materials with very limited impact attenuating properties.                                                                                                                                                                                                                                                                                                               | <div>E.g. wood</div>                                                                                                                                                                                                                                 |
| <div><div><b>h &lt; 1000</b></div></div>                                                                     | Materials with significant impact attenuating properties.                                                                                                                                                                                                                                                                                                                | <div>fine gravel 0–8 mm</div>  <div>grass</div>  <div>unsorted sand</div>  |
| <div><div><b>h &lt; 3000</b></div></div>                                                                     | <div>Loose fill material</div> <div>E.g.<br/>sand/gravel 0,25...8 mm D60/D10&lt;3,0<br/>Woodchips 5...30 mm<br/>bark 20...80 mm</div>                                                                                                                                                                                                                                    |  <div><div><div><math>\underline{S}</math></div><div>30 cm</div></div><div><div><math>\underline{h}</math></div><div>&lt; 2,0 m</div></div><div><div></div><div>40 cm</div></div><div><div></div><div>&lt; 3,0 m</div></div></div>                 |
|                                                                                                              | <div>Syntethic granulates</div> <div><div><math>\underline{S}</math></div><div>40 mm ~&gt; 1,2...1,3 m</div></div> <div><div></div><div>50 mm ~&gt; 1,5...1,7 m</div></div> <div><div></div><div>60 mm ~&gt; 1,8...2,0 m</div></div> <div><div></div><div>70 mm ~&gt; 2,1...2,5 m</div></div> <div>Note. For accurate values, see<br/>manufacturer's instructions.</div> |                                                                                                                                                                                                                                                    |

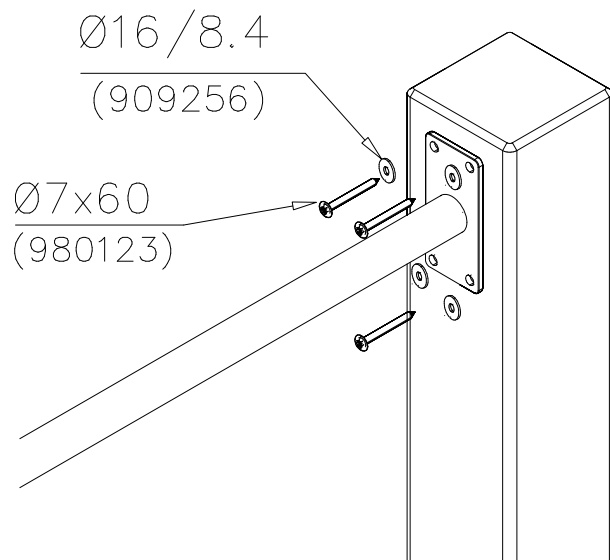
REMOVE SAFETY SURFACE/SAND/GRAVEL  
TO CHECK FOUNDATION



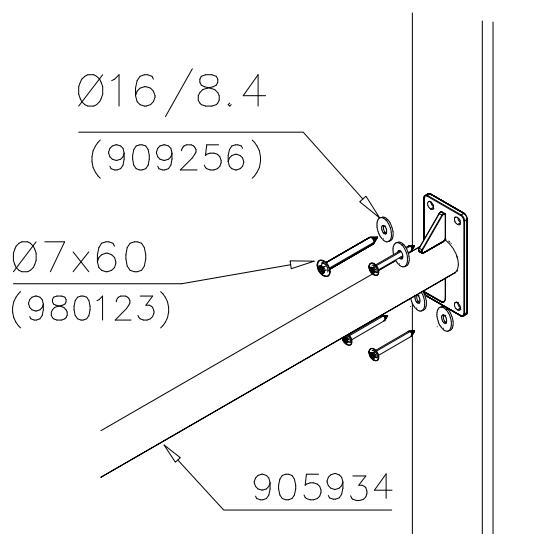
REMOVE SAFETY SURFACE/SAND/GRAVEL  
TO CHECK FOUNDATION



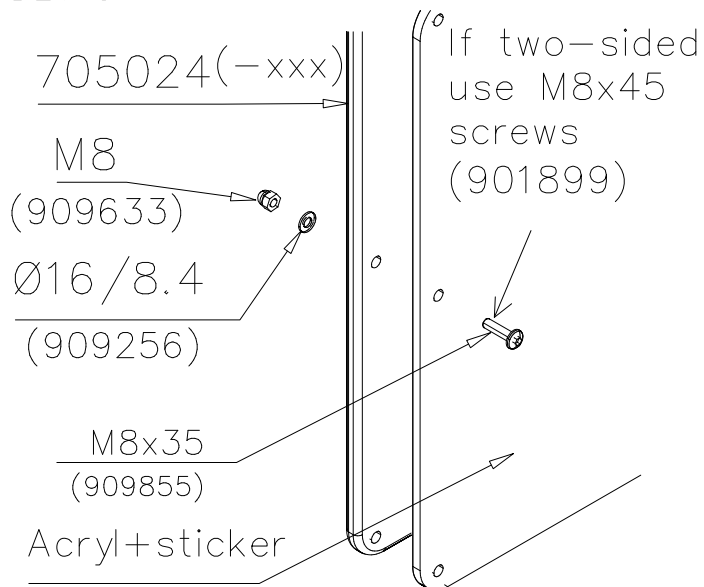
DET 1



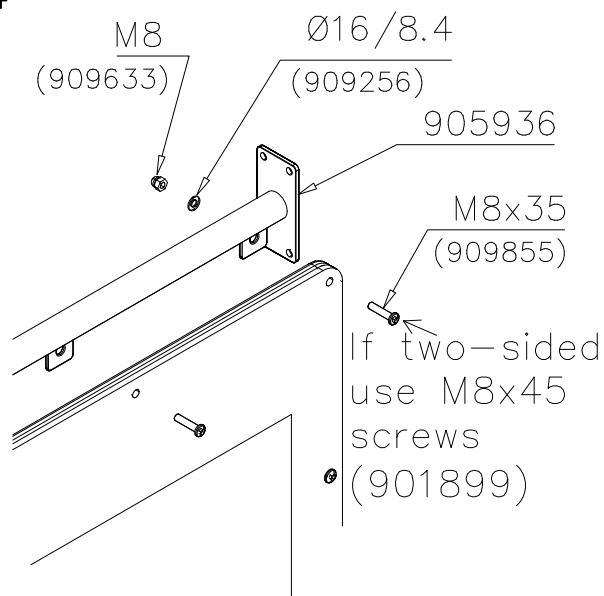
DET 2



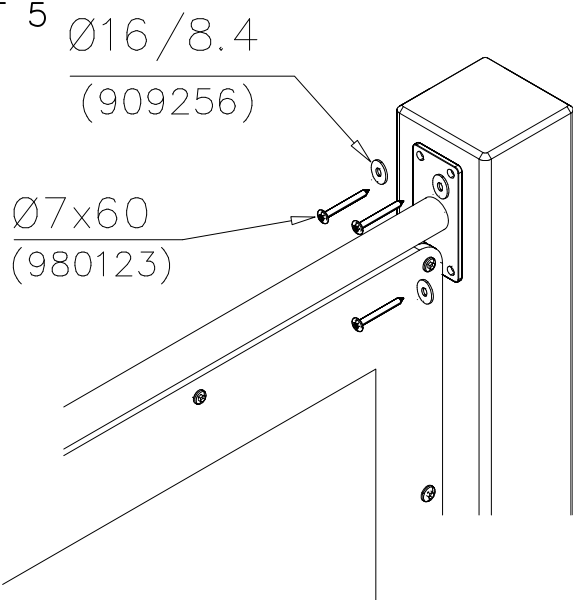
DET 3



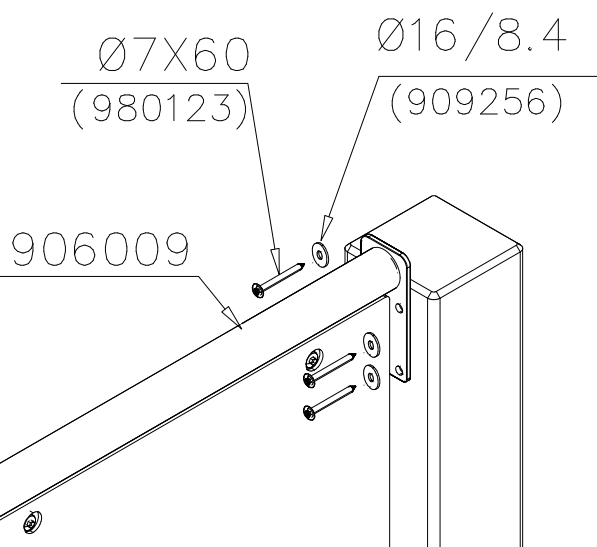
DET 4



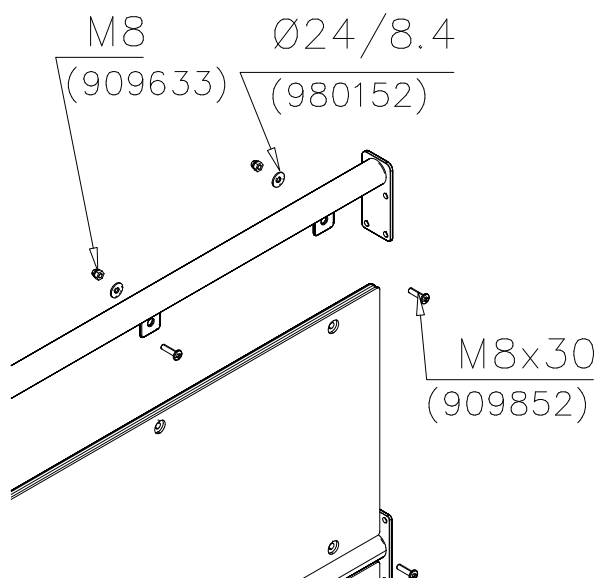
DET 5



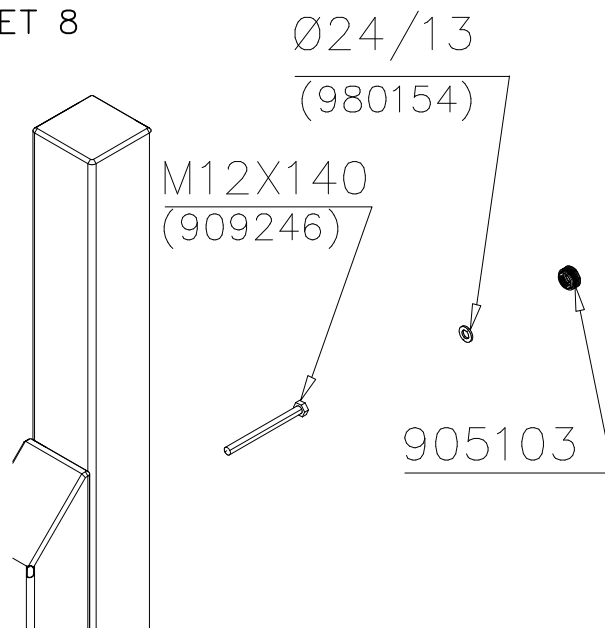
DET 6



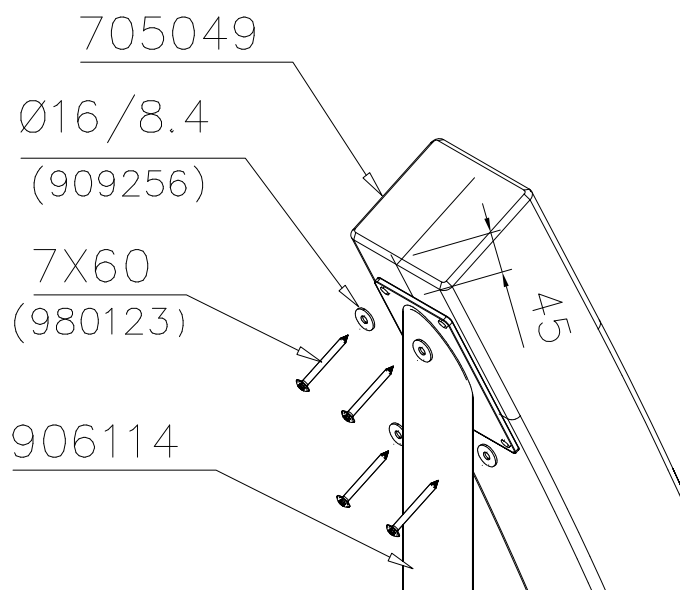
DET 7



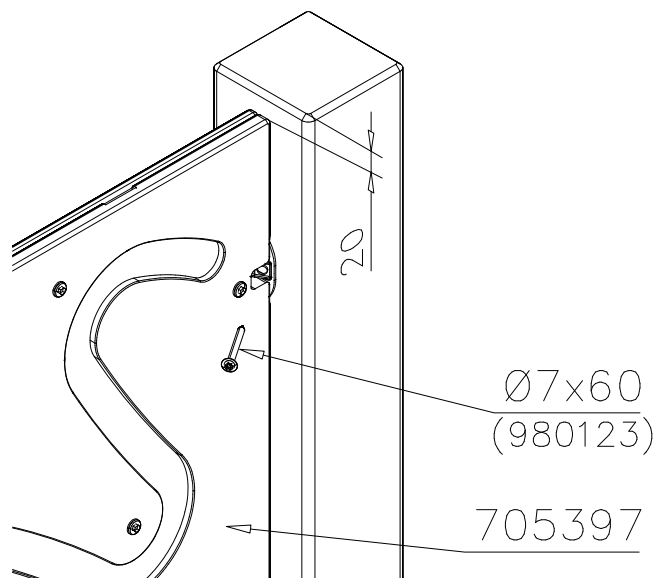
DET 8



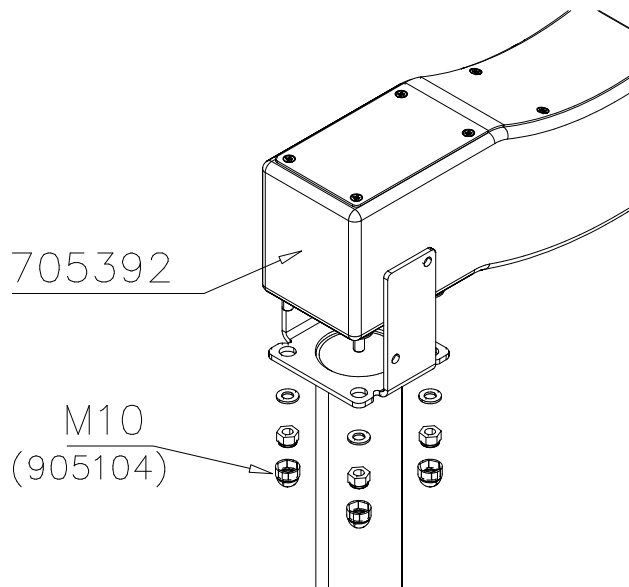
DET 9



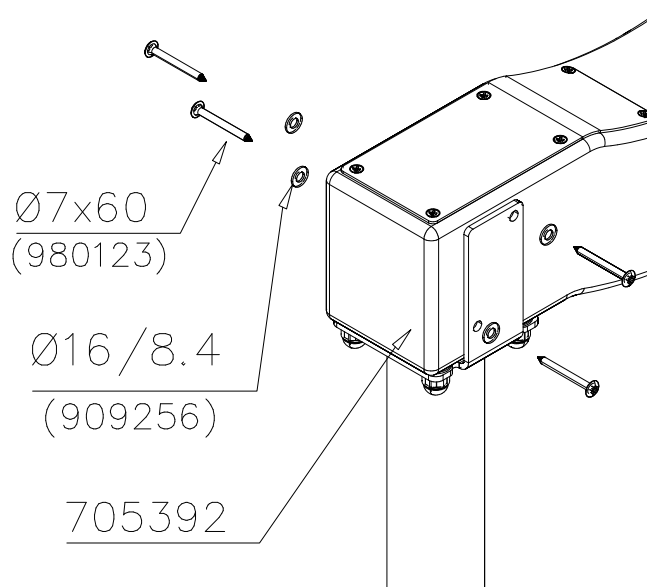
DET 10



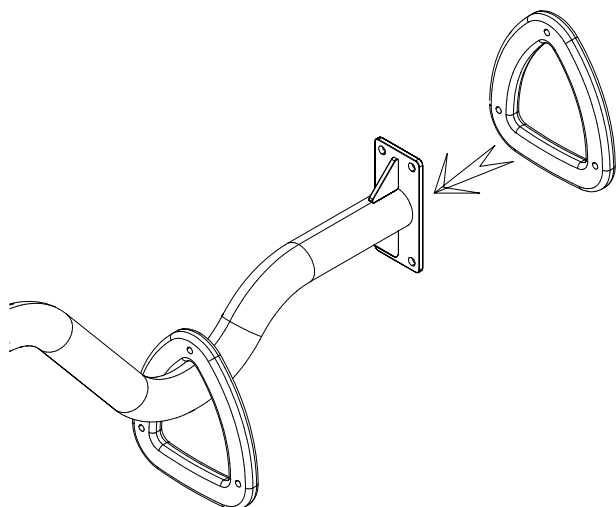
DET 11



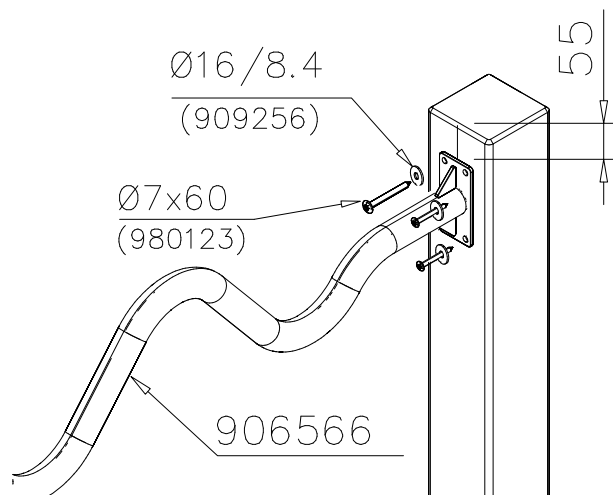
DET 12



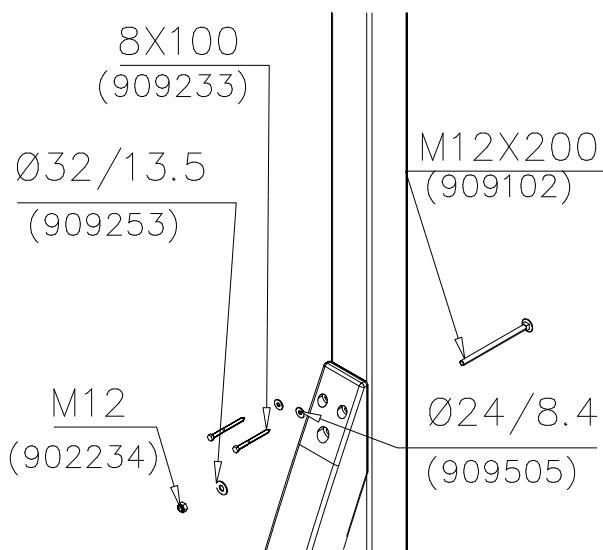
DET 13



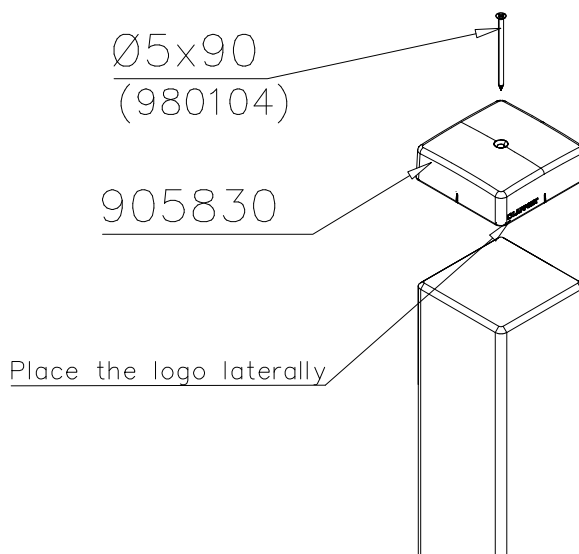
DET 14



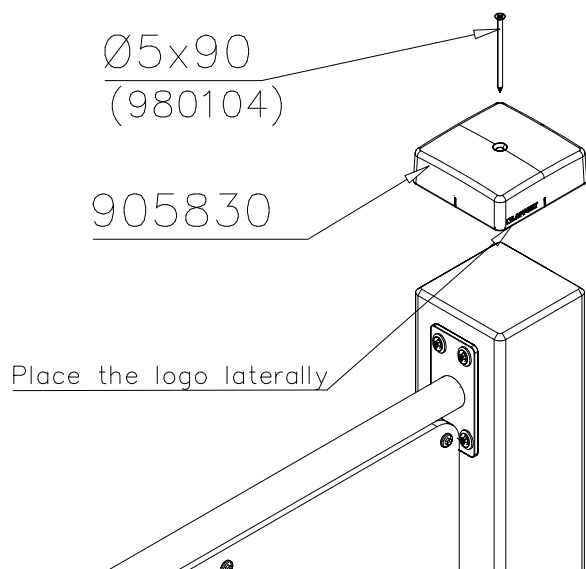
DET 15



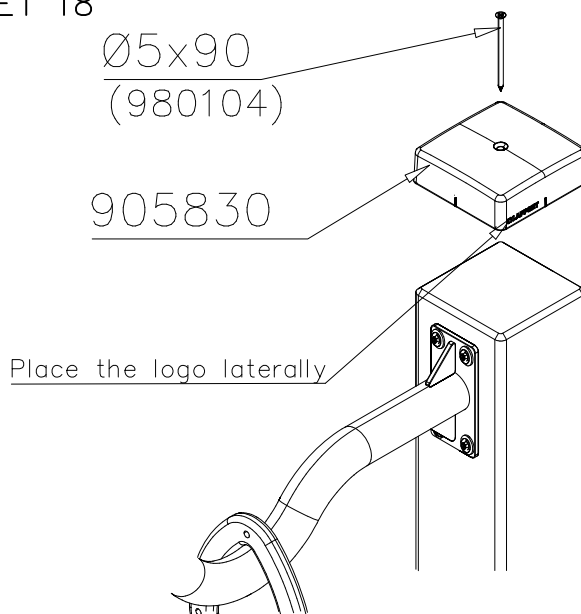
DET 16



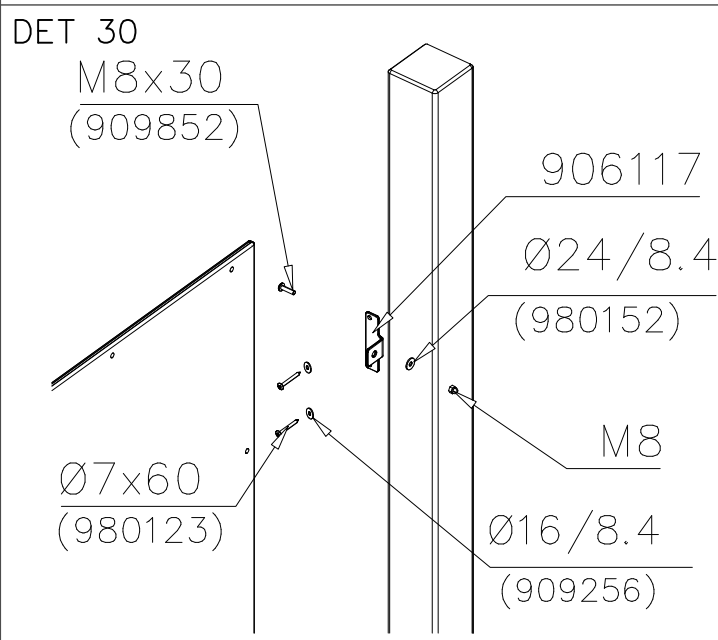
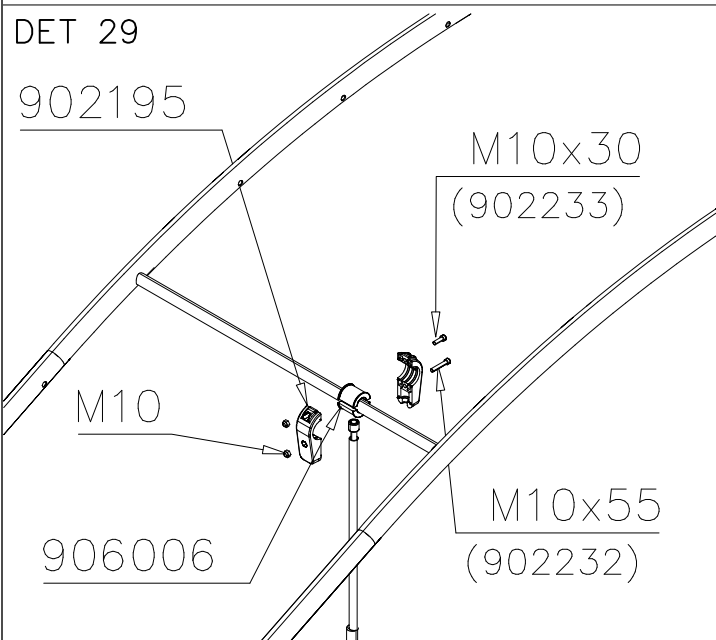
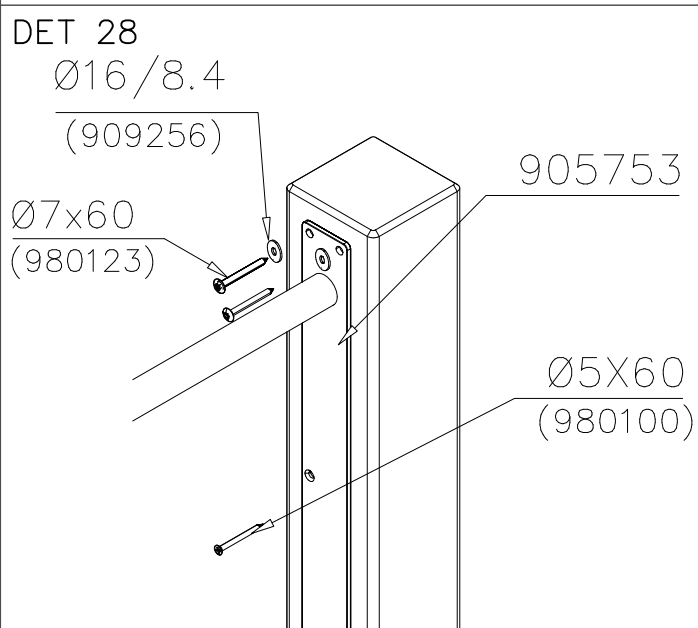
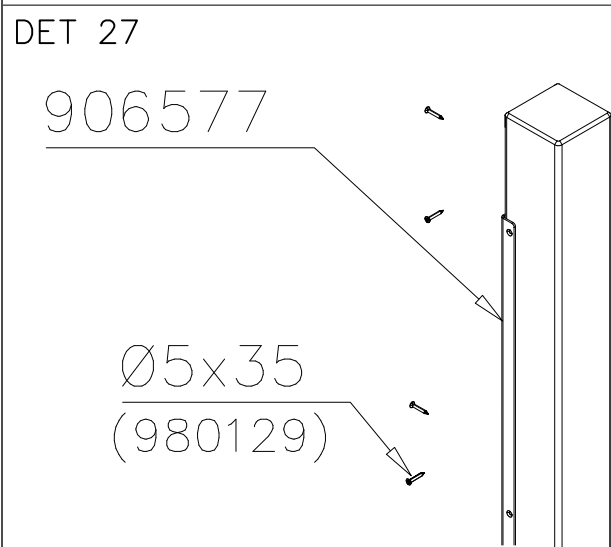
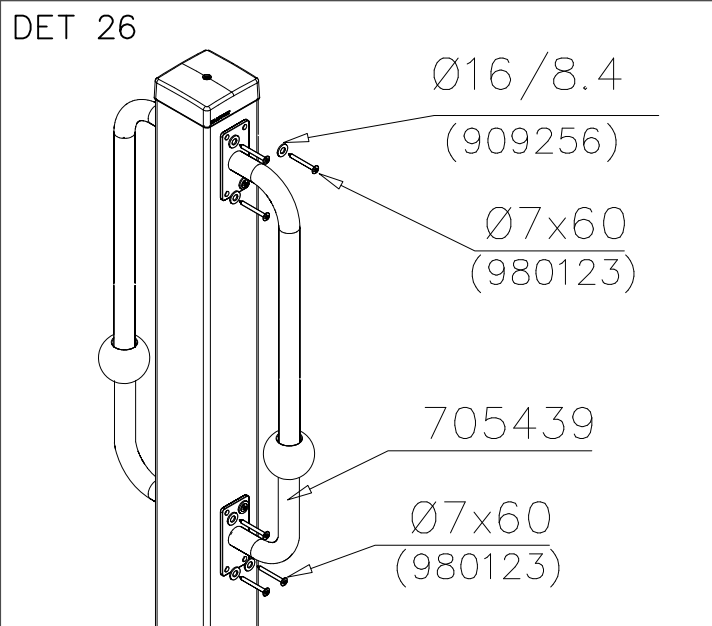
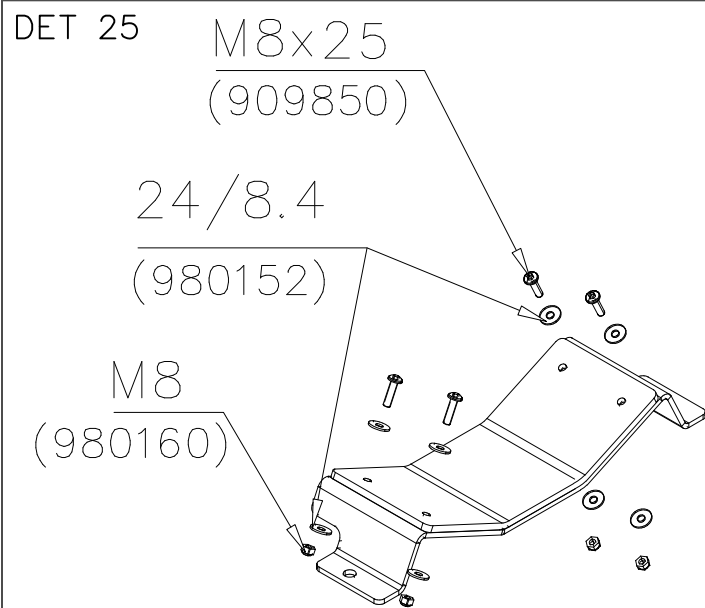
DET 17

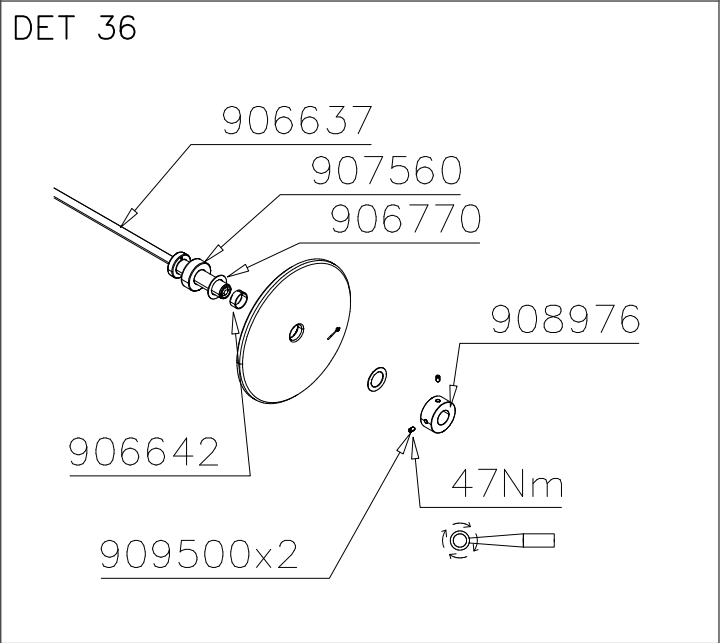
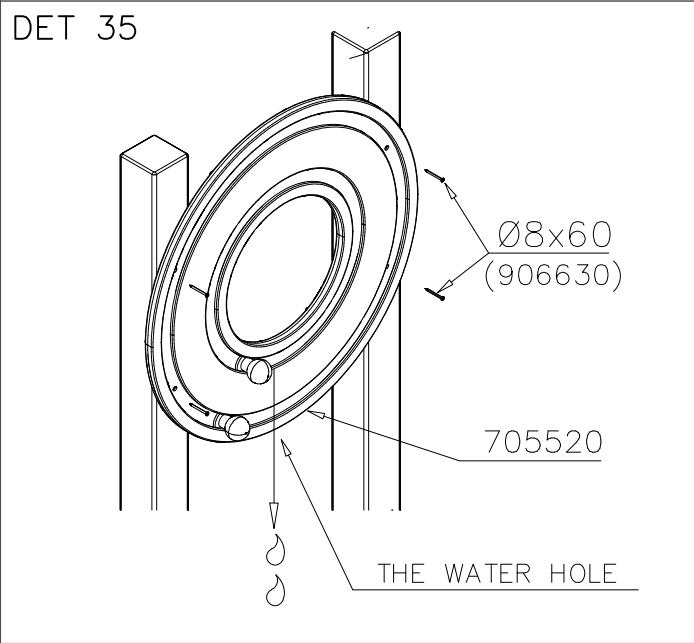
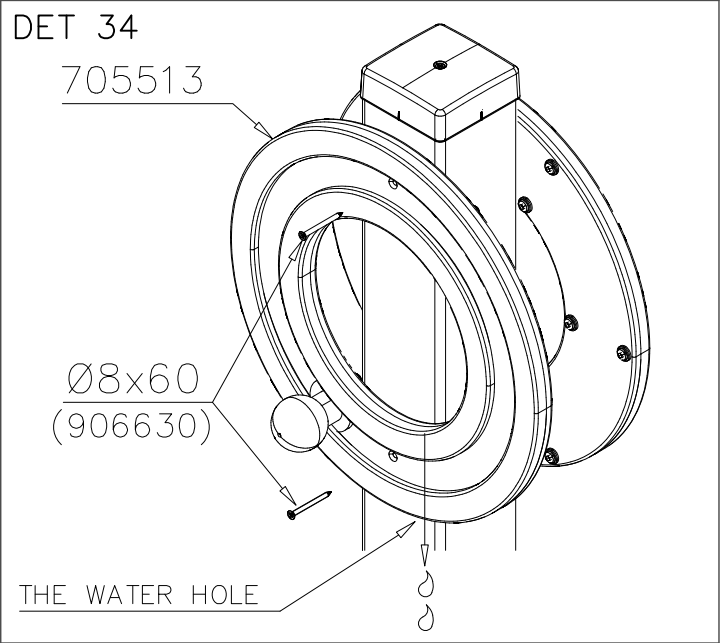
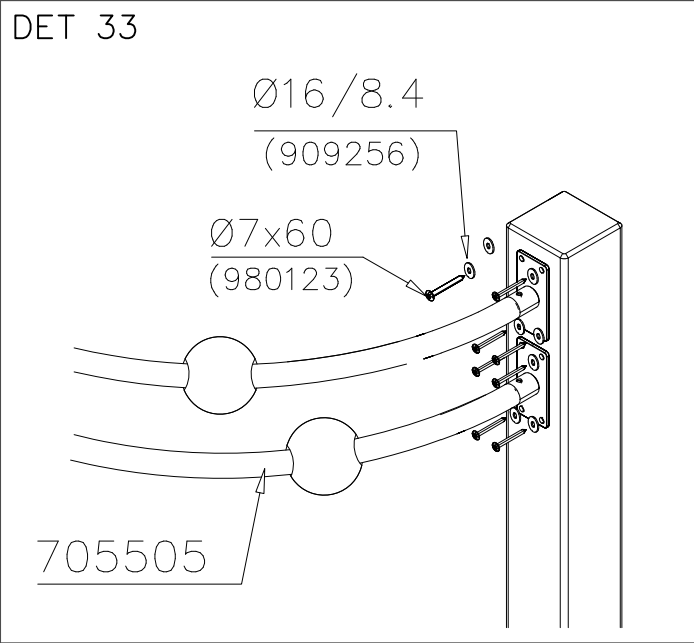
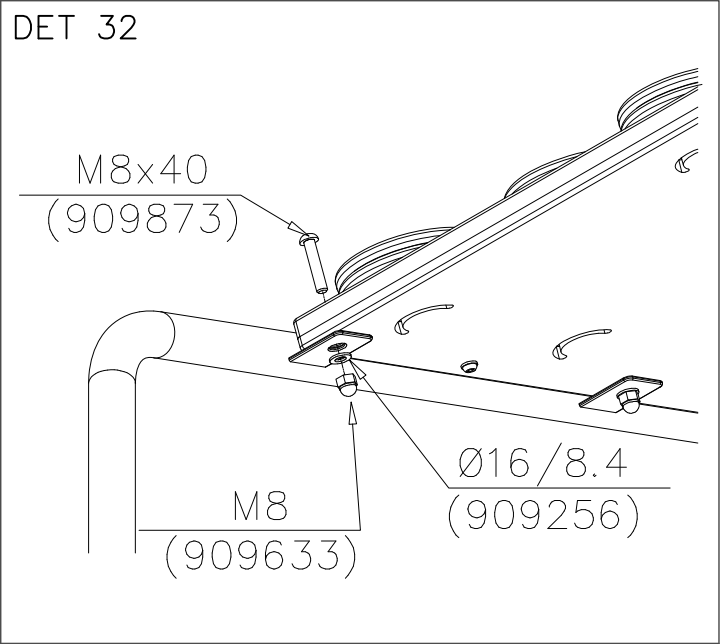
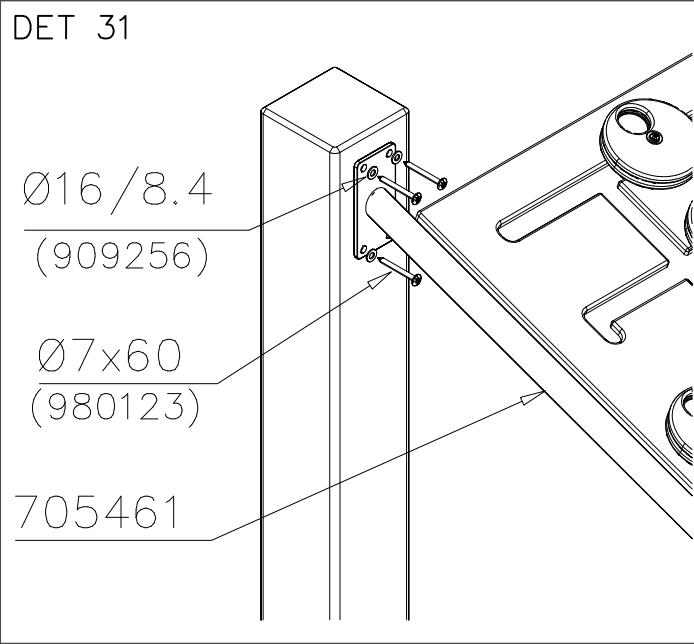


DET 18

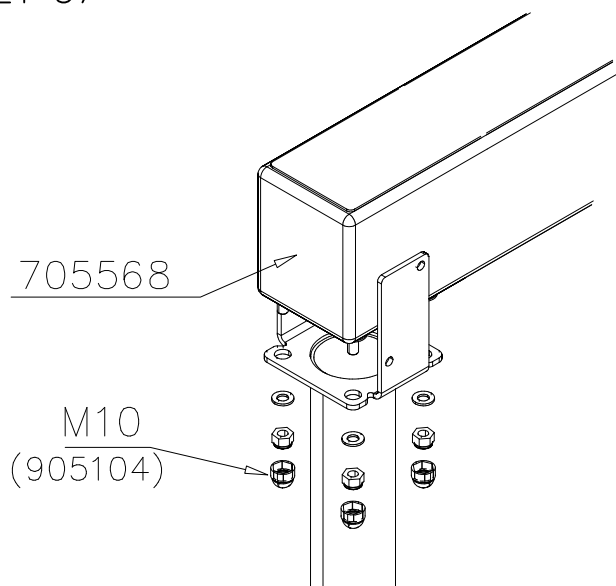


|                                                                                                                               |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <p>DET 19</p> <p>M10x40<br/>(901487)</p> <p>Ø20/10.5x2<br/>(901302)</p> <p>M10<br/>(909637)</p>                               | <p>DET 20</p> <p>M10x35<br/>(902252)</p> <p>19x21x25<br/>(903193)</p> <p>Ø20/10.5x2<br/>(901302)</p> <p>M10<br/>(909637)</p> |
| <p>DET 21</p> <p>Muoviosan sijoitus (903193)<br/>Position of the plastic piece</p>                                            | <p>DET 22</p> <p>705433<br/>705434</p> <p>Ø8x70<br/>(900240)</p>                                                             |
| <p>DET 23</p> <p>Ø32<br/>(905083)</p> <p>Ø16/8.4<br/>(980151)</p> <p>Ø22<br/>(905112)</p> <p>M8x75<br/>(909203)</p> <p>M8</p> | <p>DET 24</p>                                                                                                                |

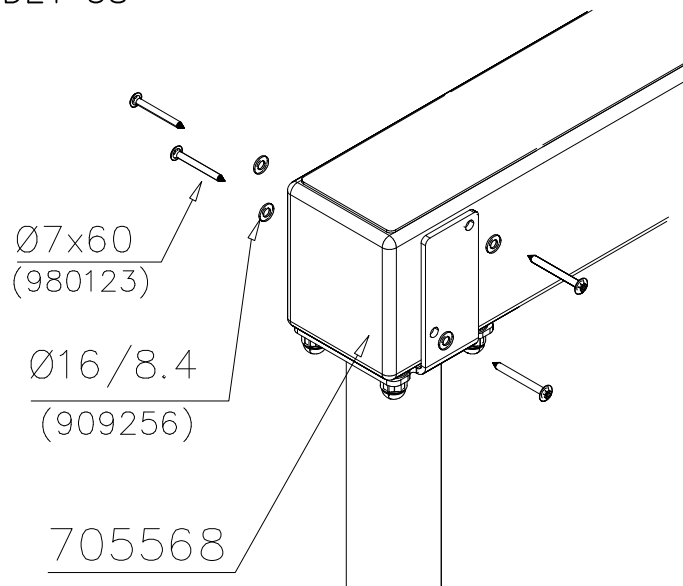




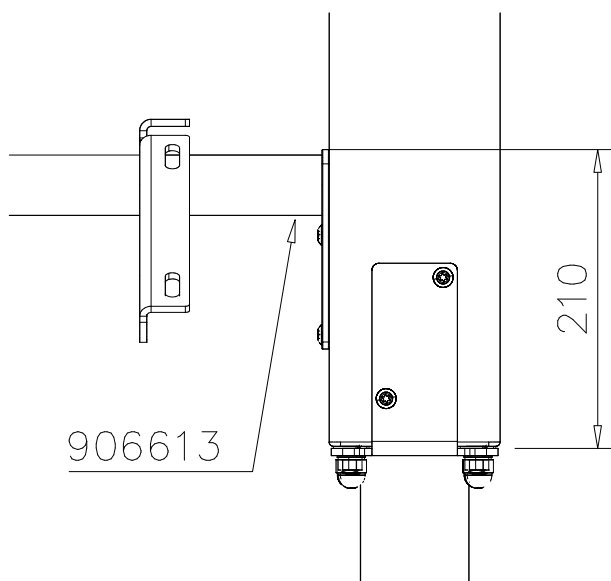
DET 37



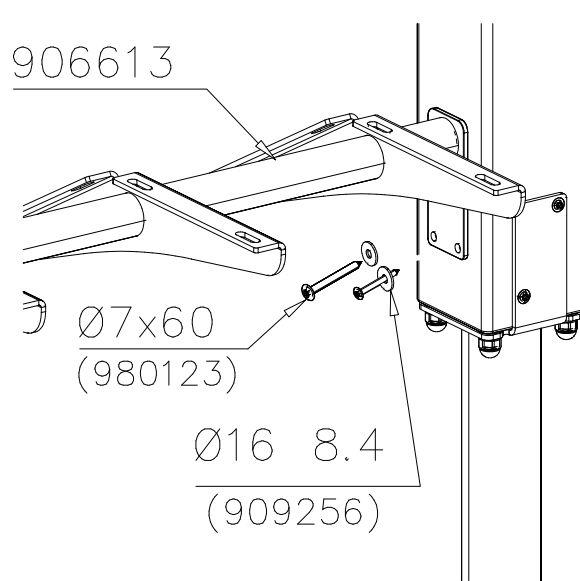
DET 38



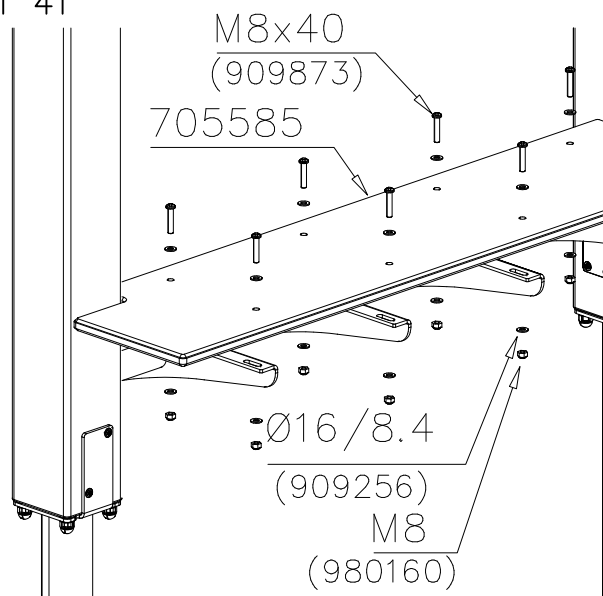
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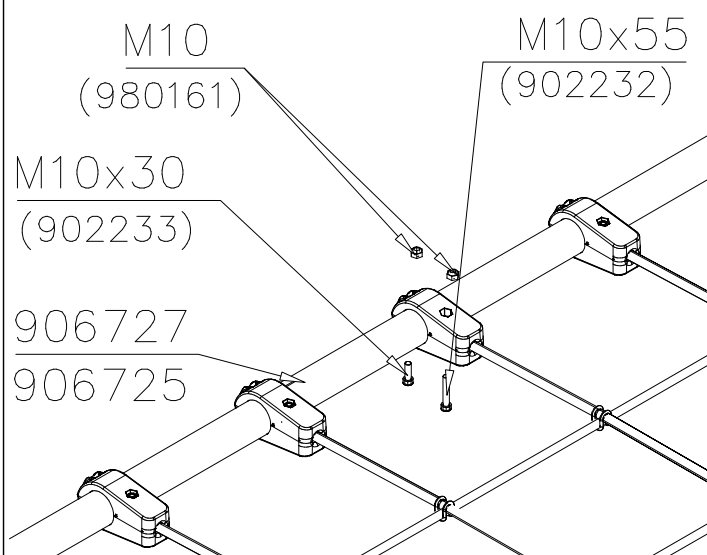
DET 40



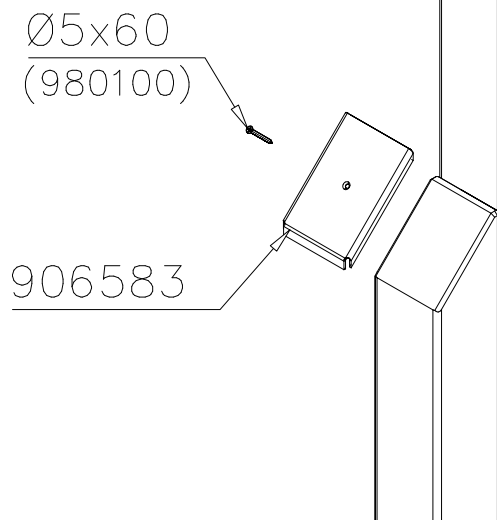
DET 41



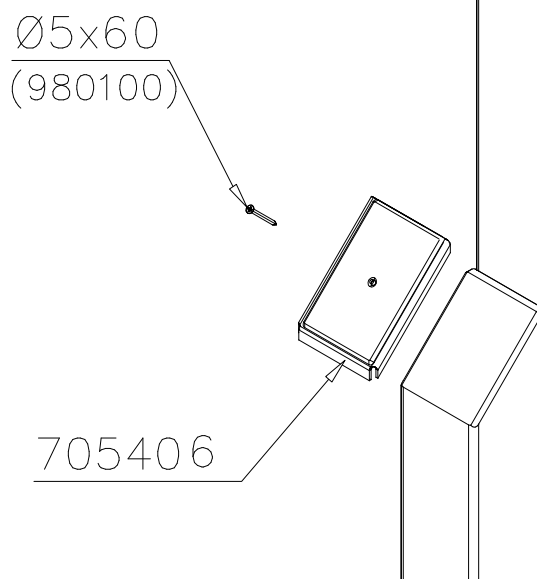
DET 42



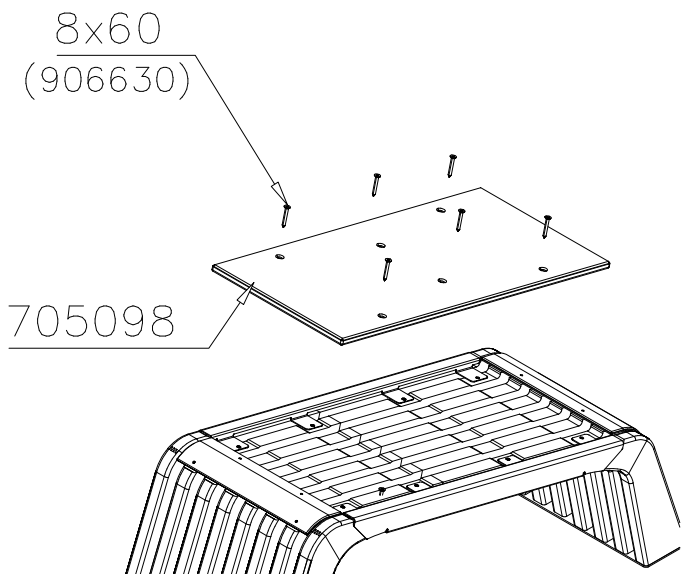
DET 43



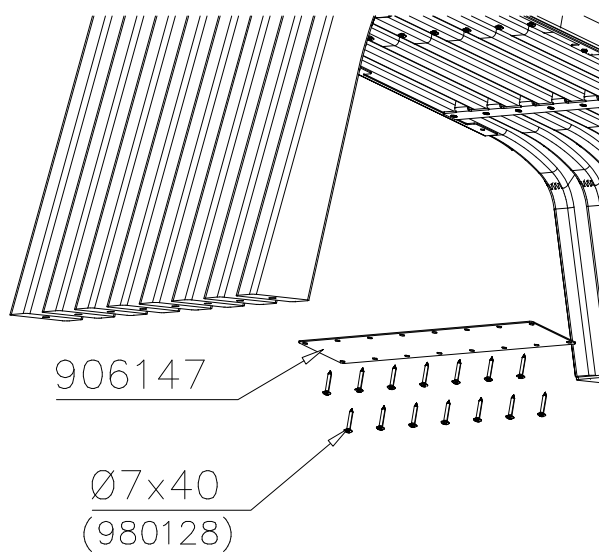
DET 44



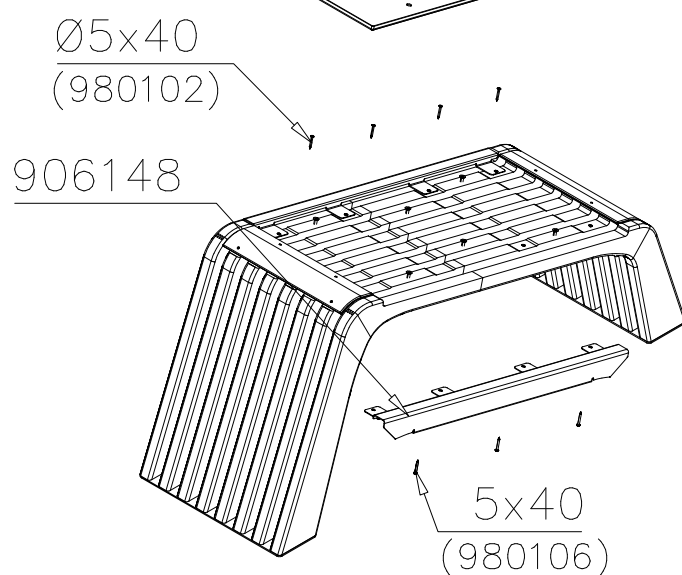
DET 45



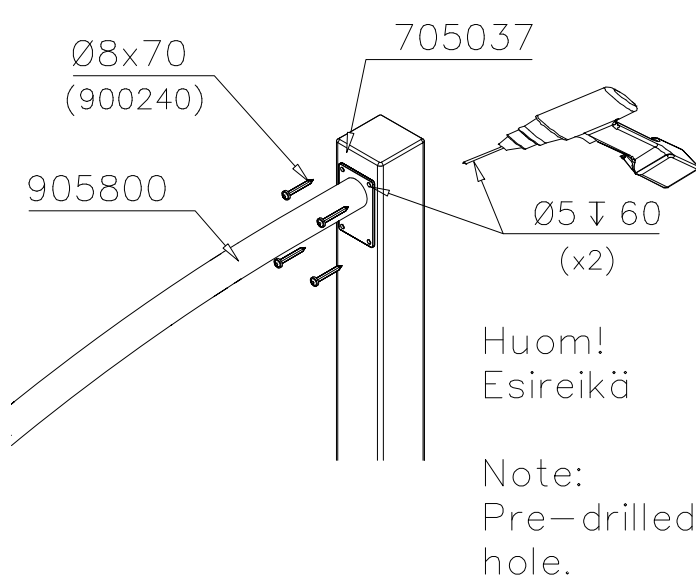
DET 46



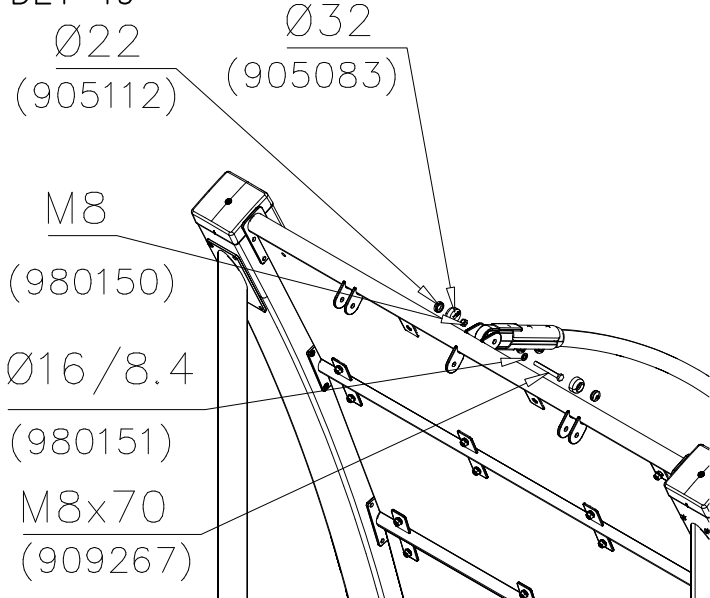
DET 47



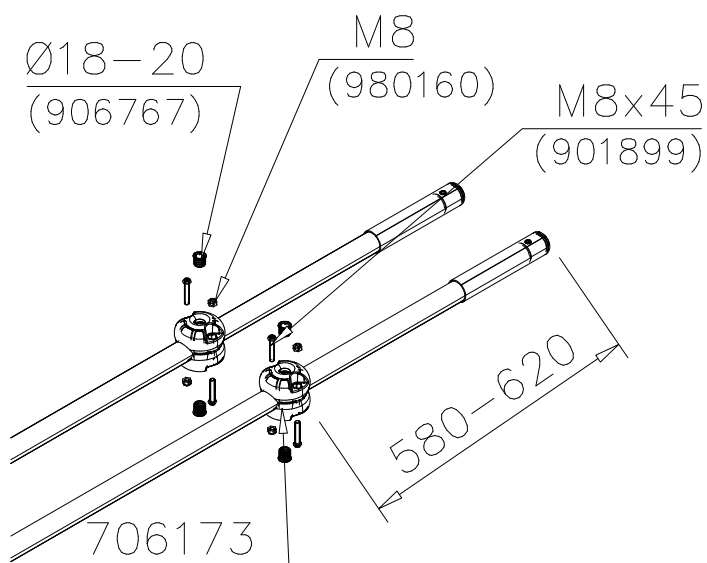
DET 48



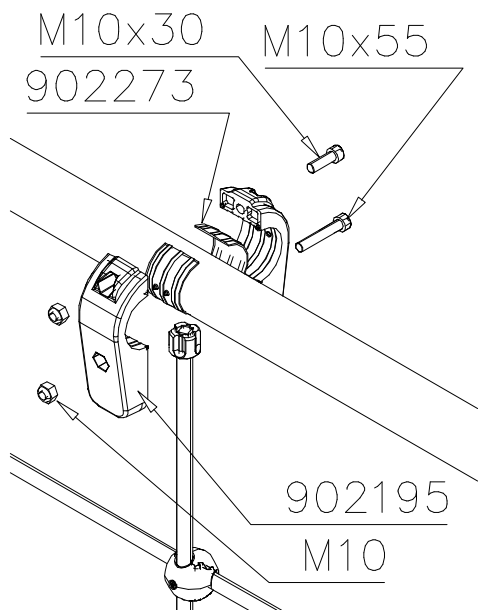
DET 49



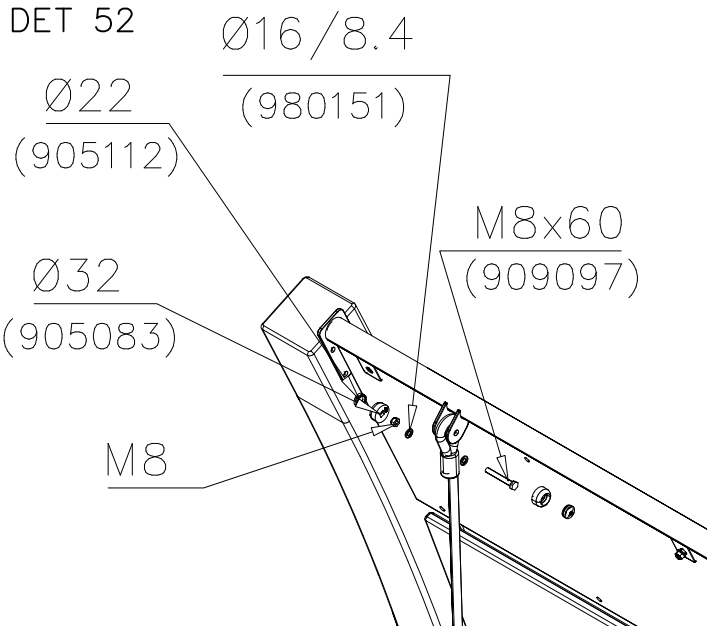
DET 50



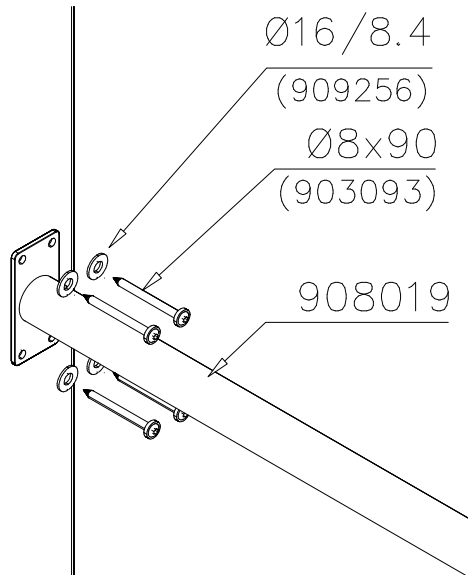
DET 51



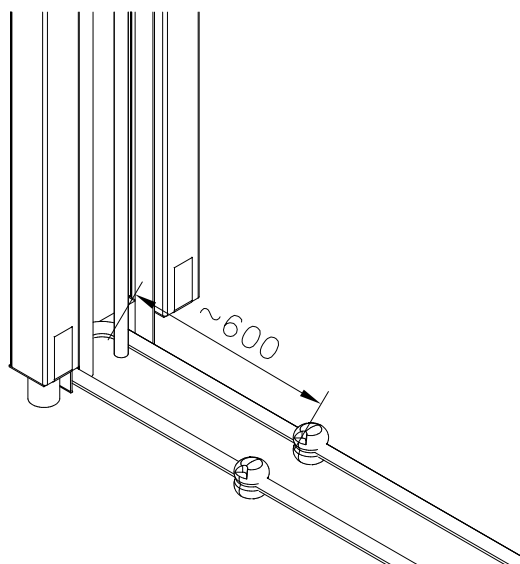
DET 52



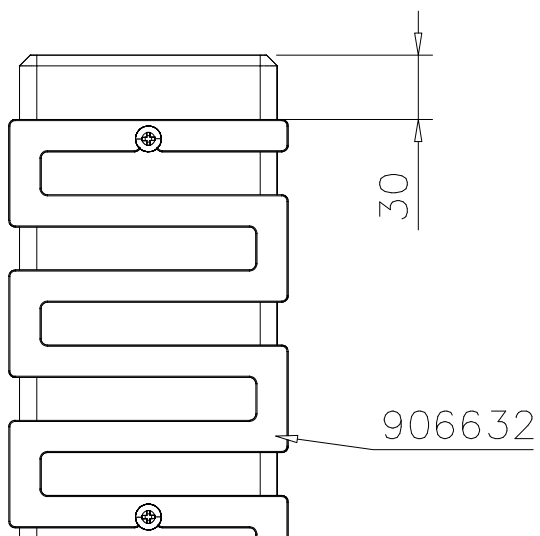
DET 53



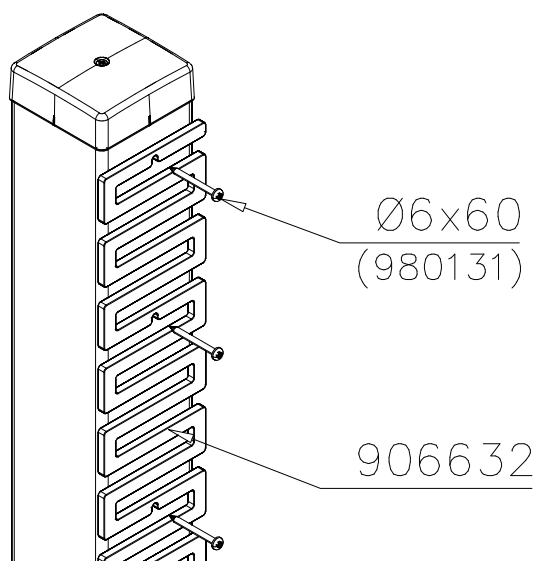
DET 54



DET 55



DET 56



DET 57

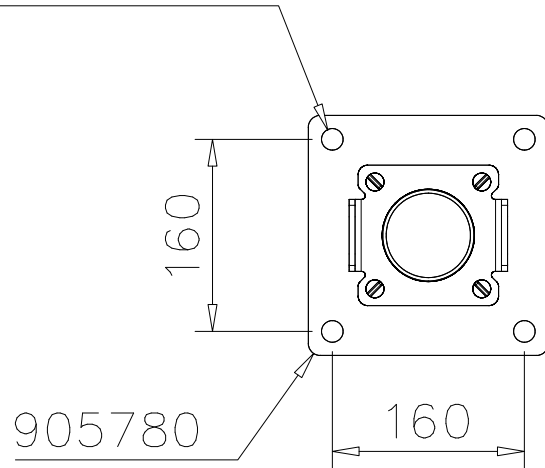
DET 58

DET 59

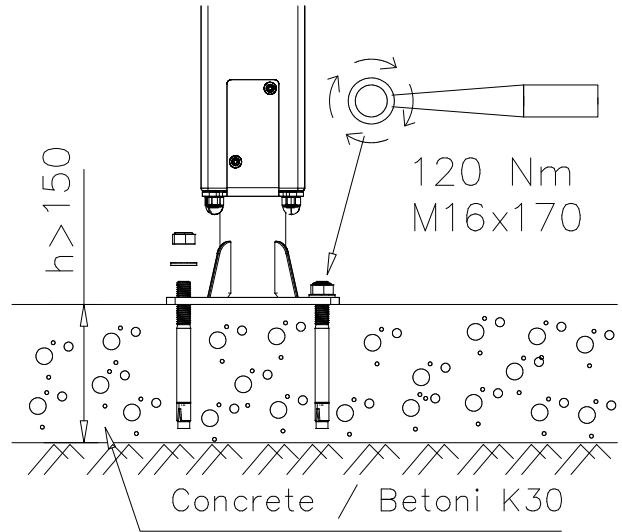
DET 60

DET 1

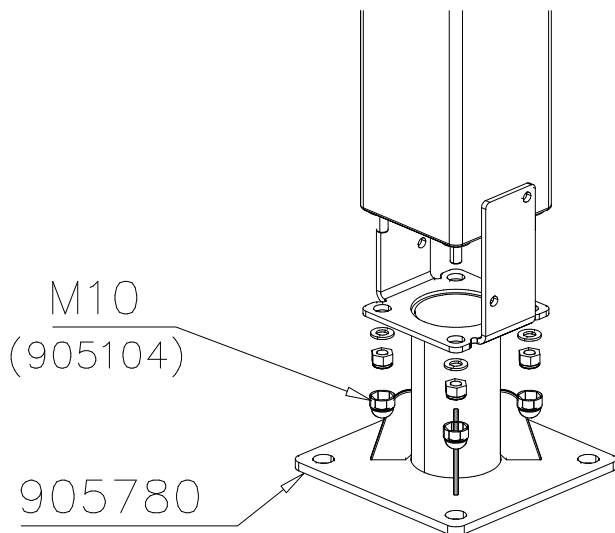
Ø16 ↓ > 130



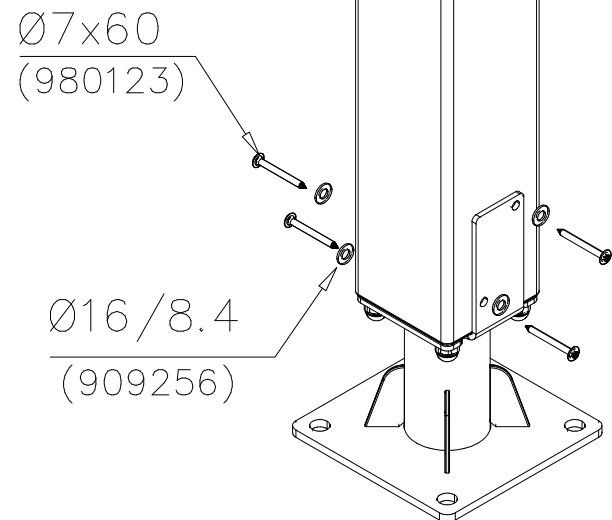
DET 2



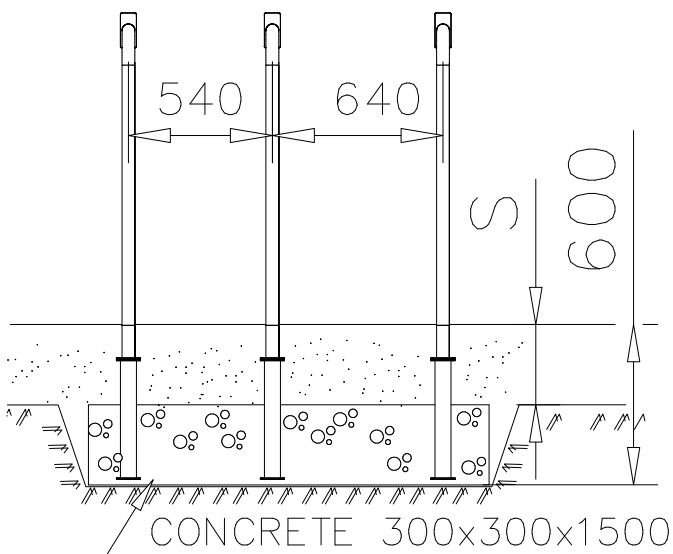
DET 3



DET 4

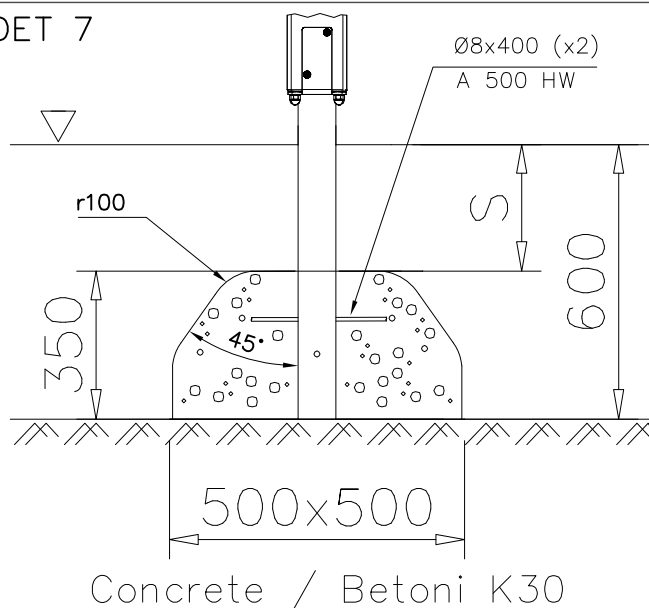


DET 5

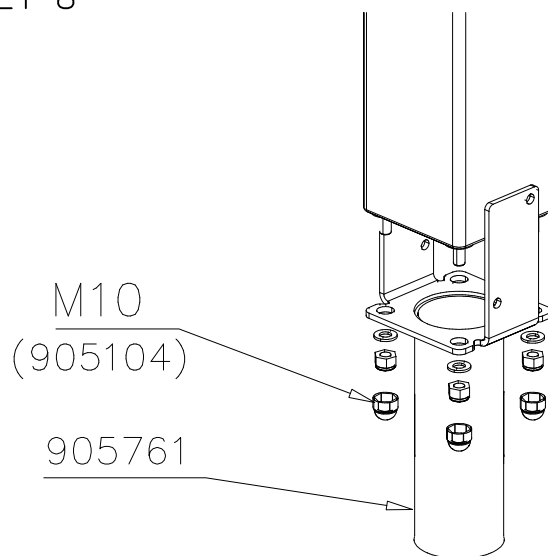


DET 6

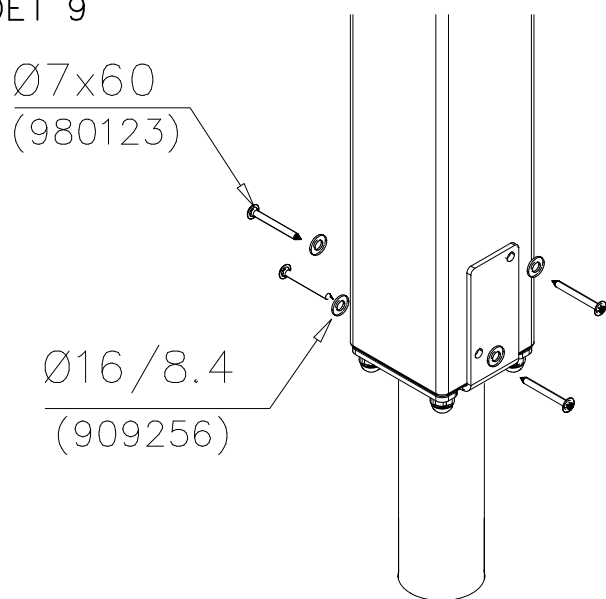
DET 7



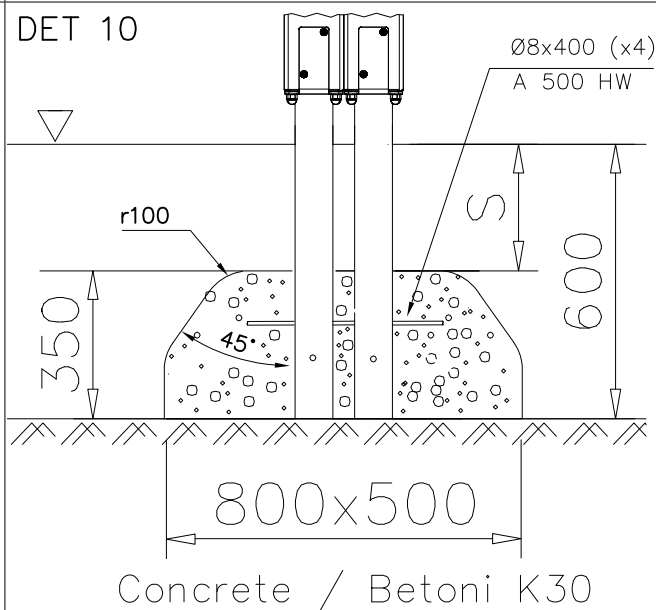
DET 8



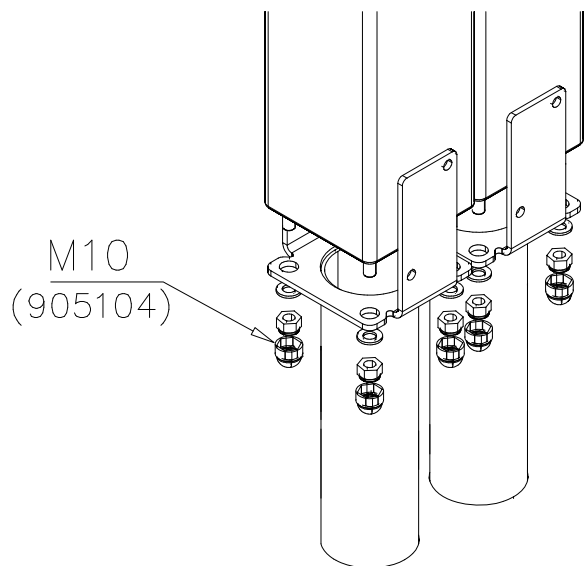
DET 9



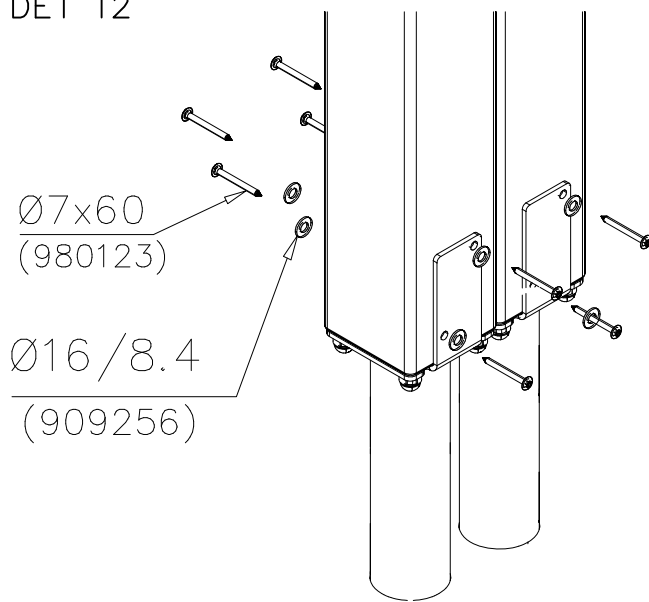
DET 10



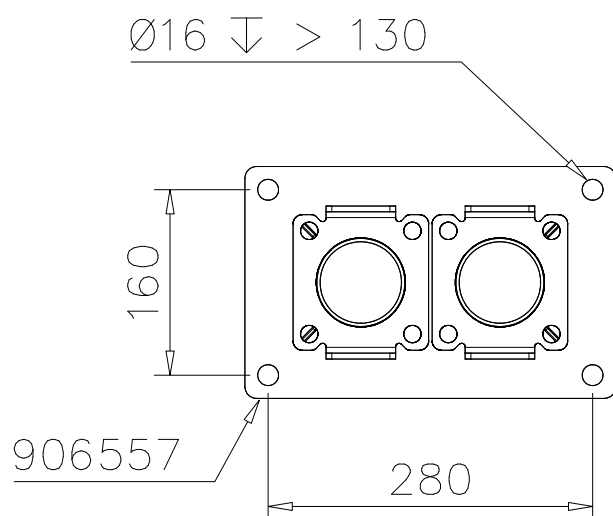
DET 11



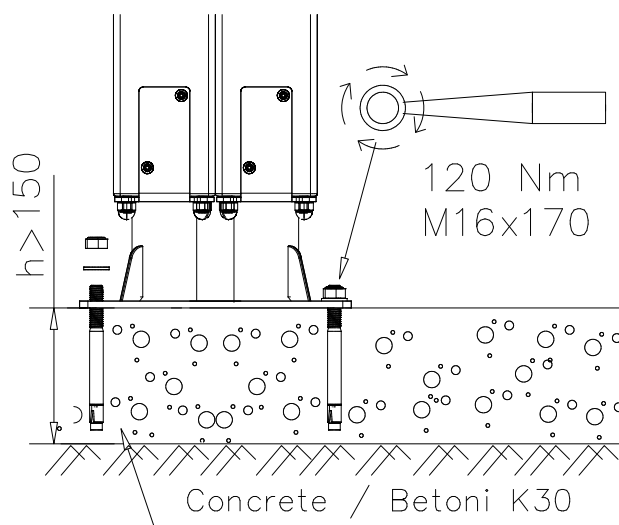
DET 12



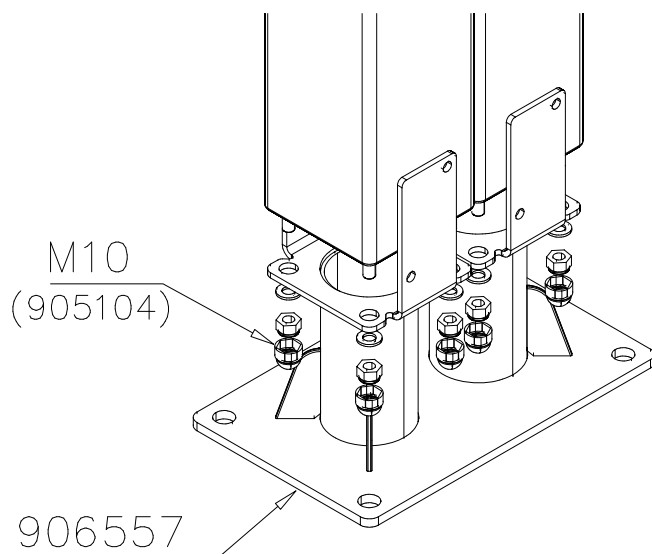
DET 13



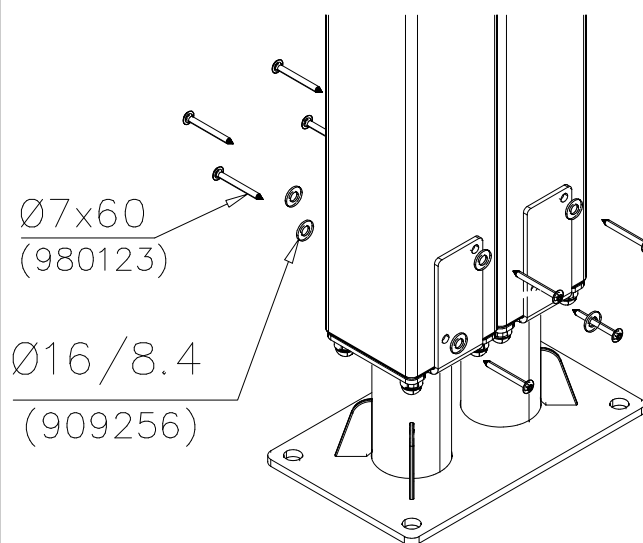
DET 14



DET 15



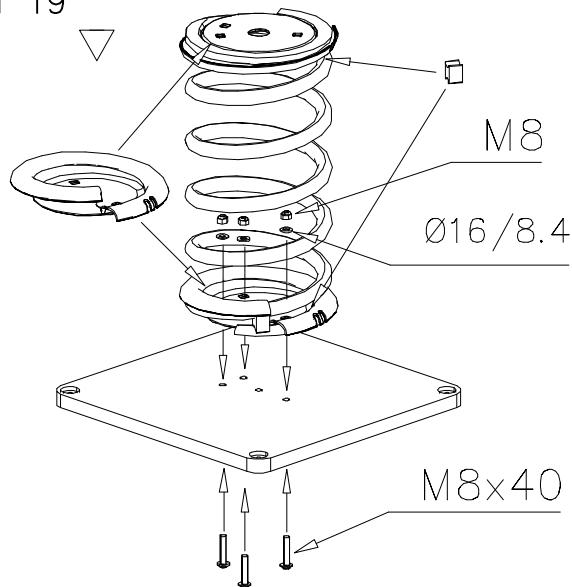
DET 16



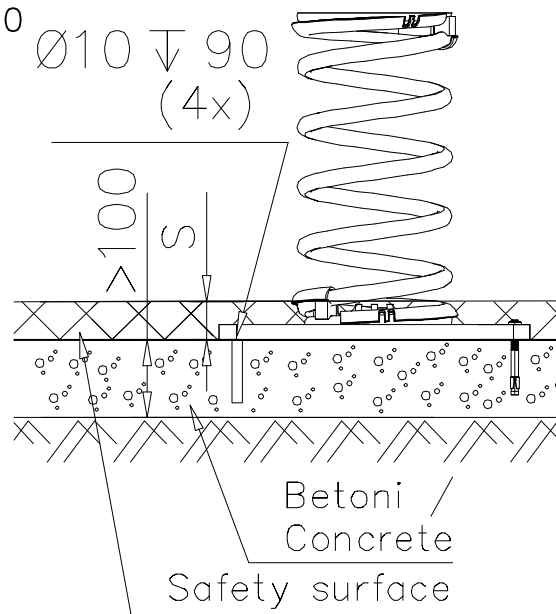
DET 17

DET 18

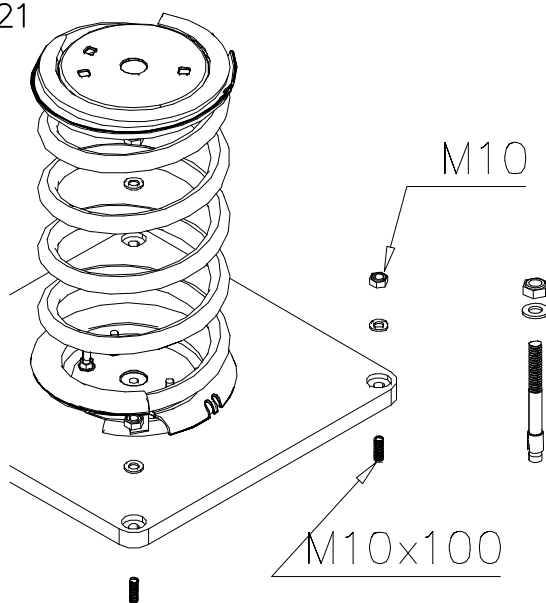
DET 19



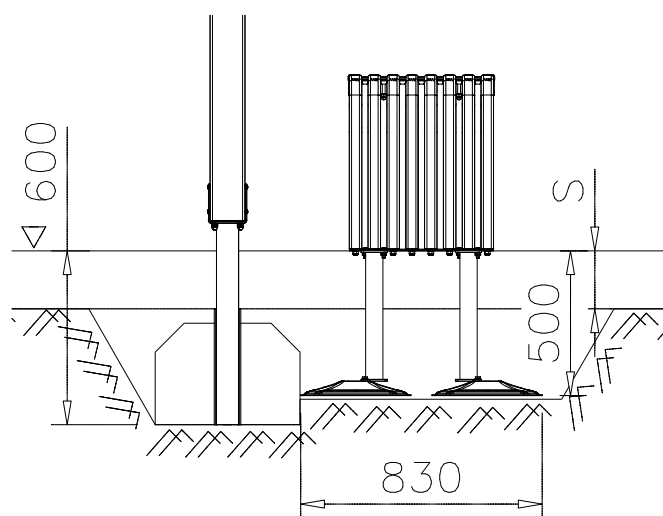
DET 20



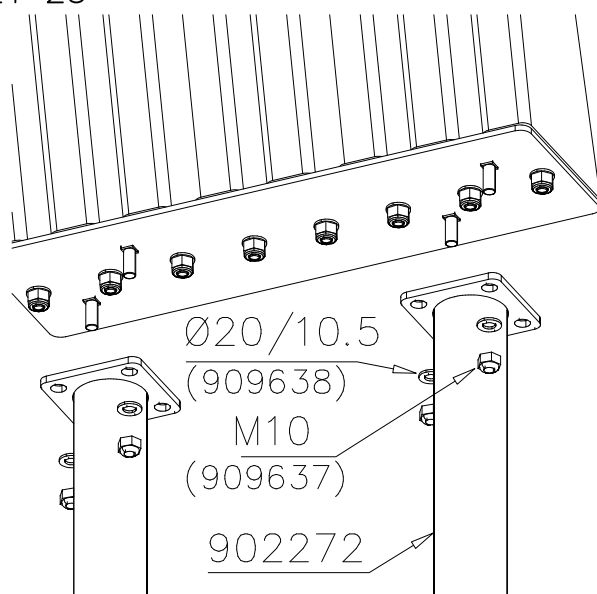
DET 21



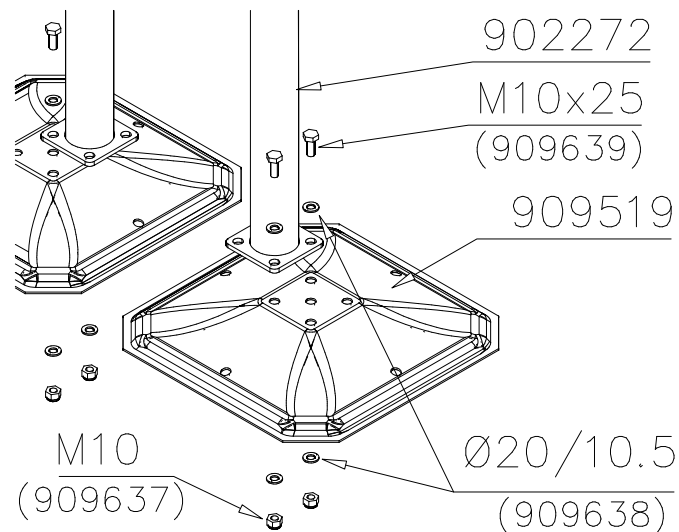
DET 22



DET 23



DET 24



DET 25

705412

905743

M10

DET 26

Esireikä / Pre-drill hole.

Ø10 ↓ 90

35 Nm

M10x100

Betoni / Concrete K30.

Safety surface

>100

DET 27

905743

M10x100  
(909628)

DET 28

705096

906140

M10

DET 29

Esireikä / Pre-drill hole.

Ø10 ↓ 90

35 Nm

M10x100

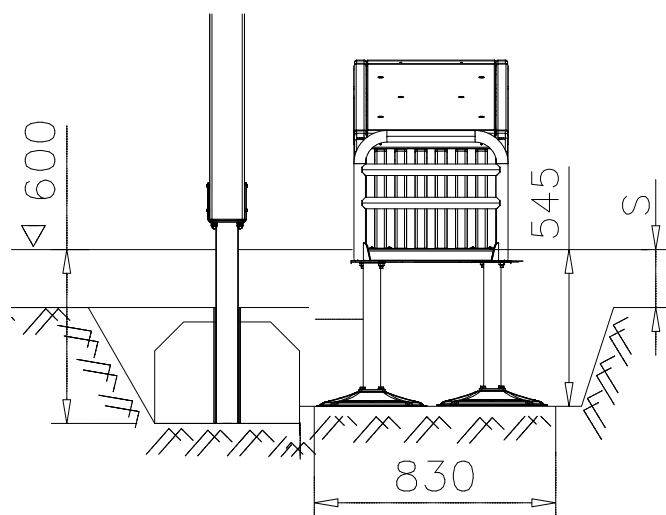
Betoni / Concrete K30.

Safety surface

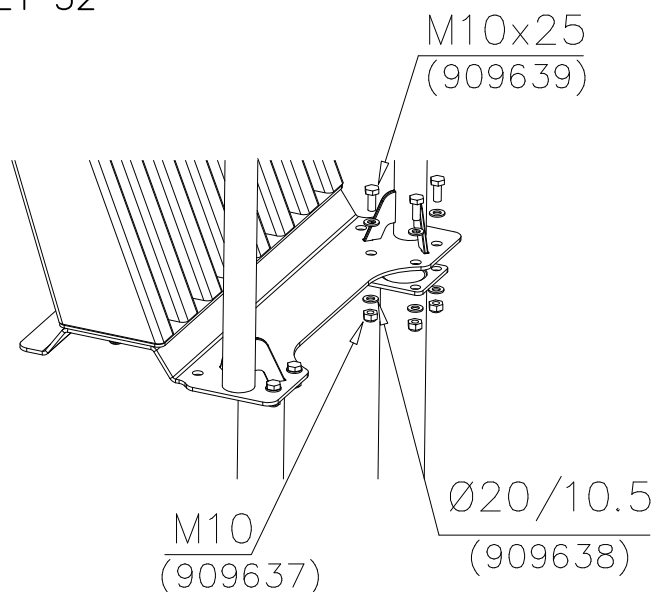
>100

DET 30

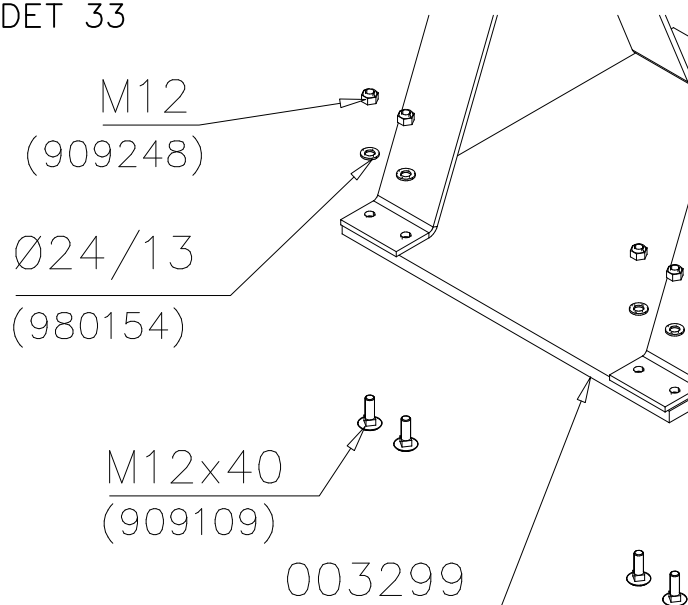
DET 31



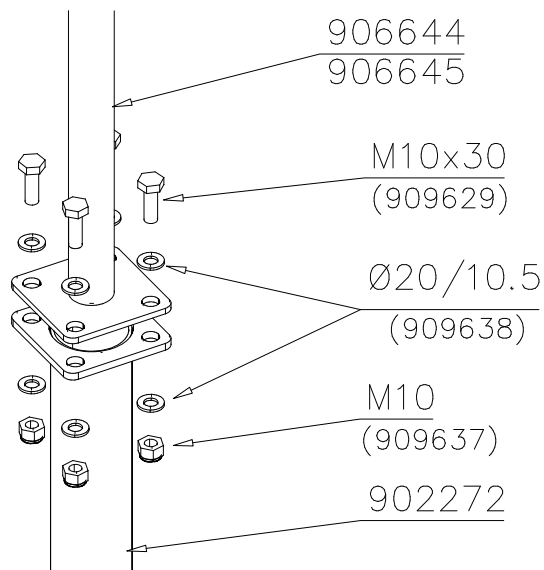
DET 32



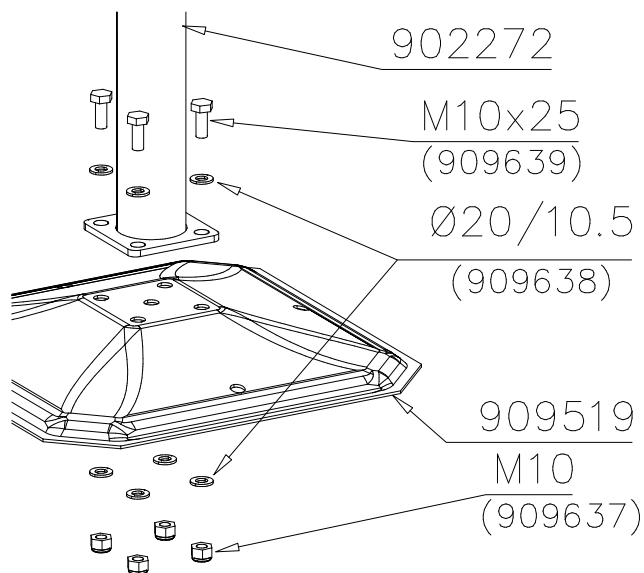
DET 33



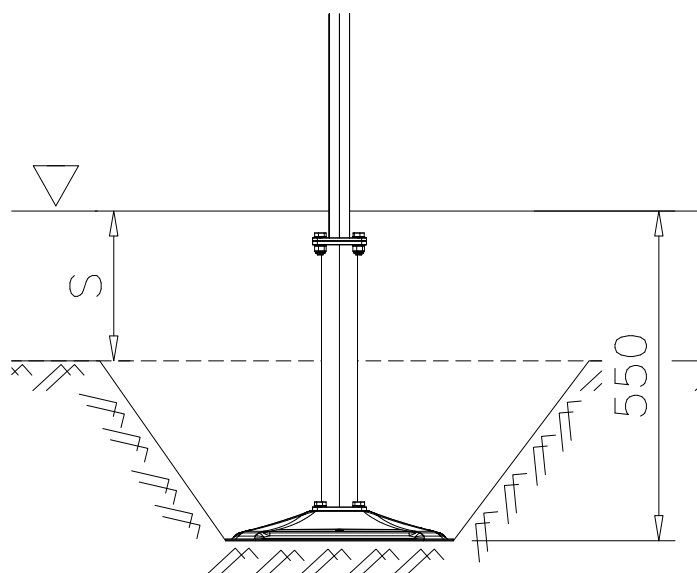
DET 34



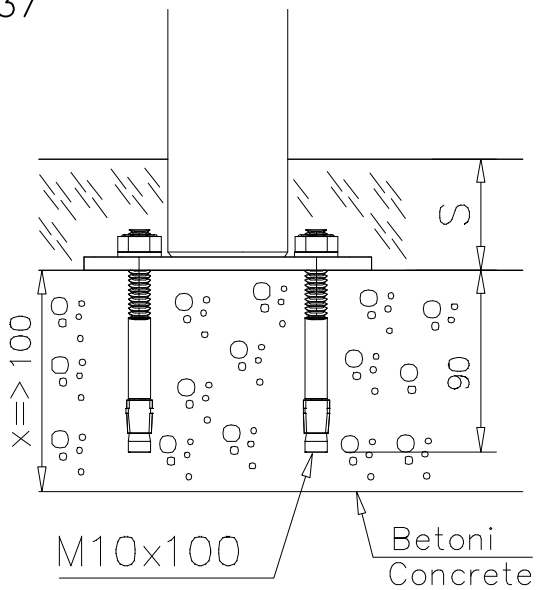
DET 35



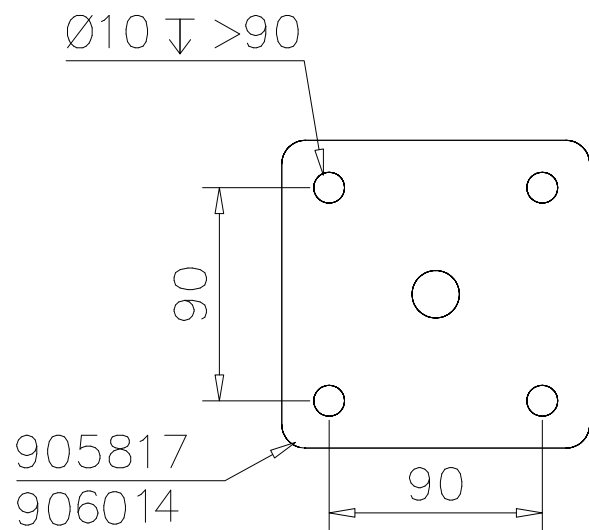
DET 36



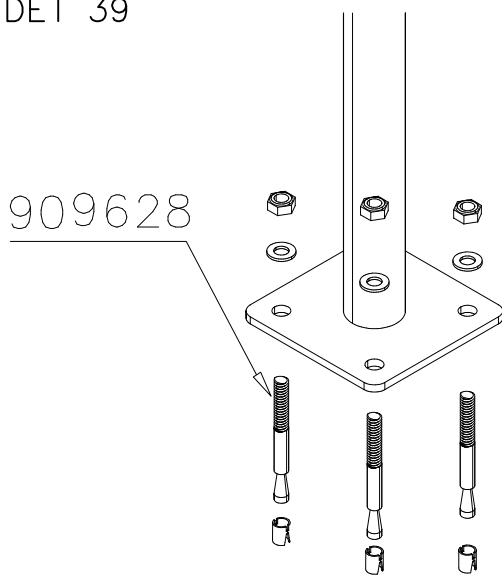
DET 37



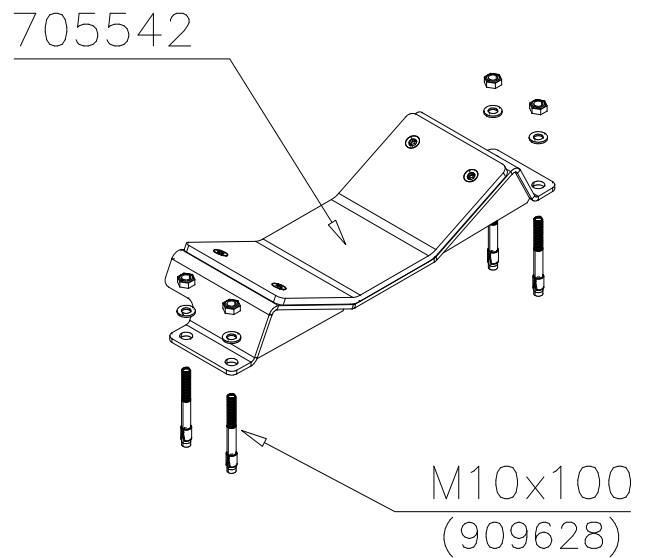
DET 38



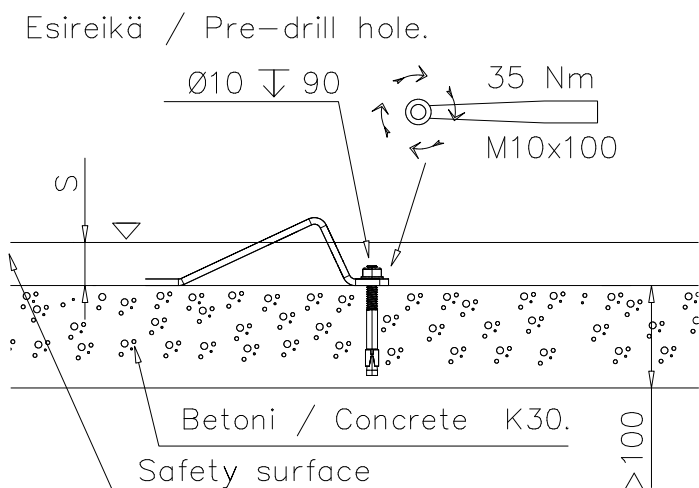
DET 39



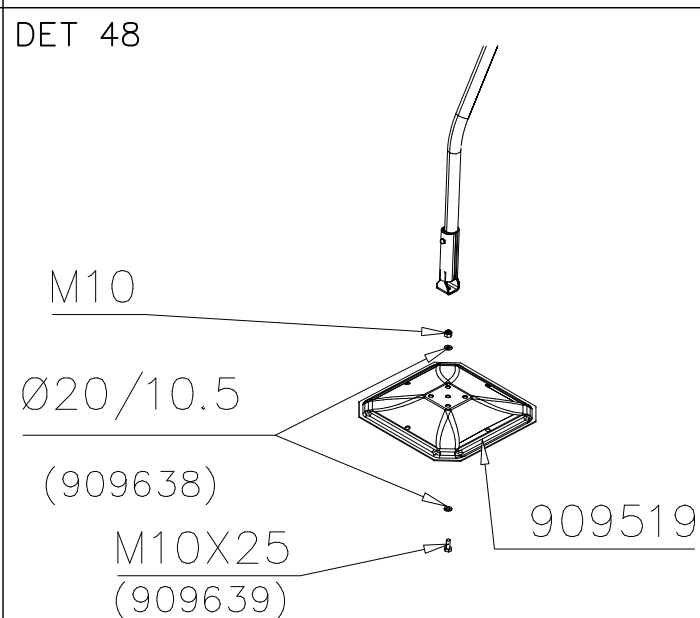
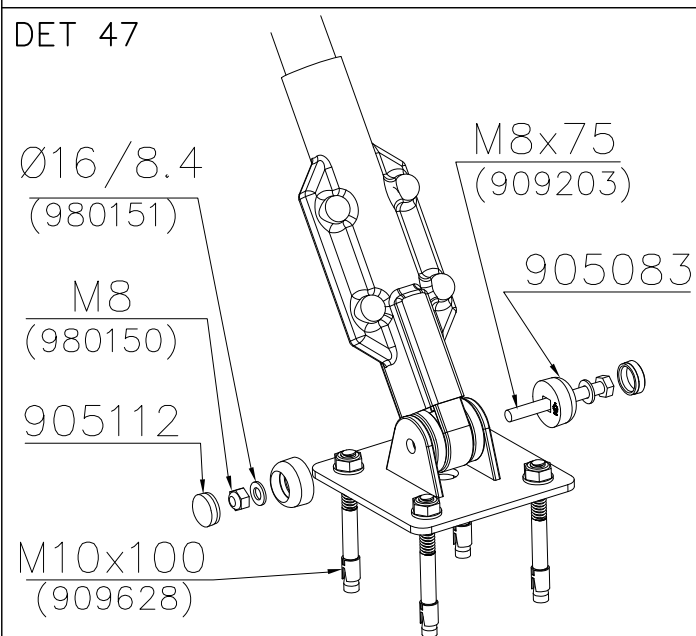
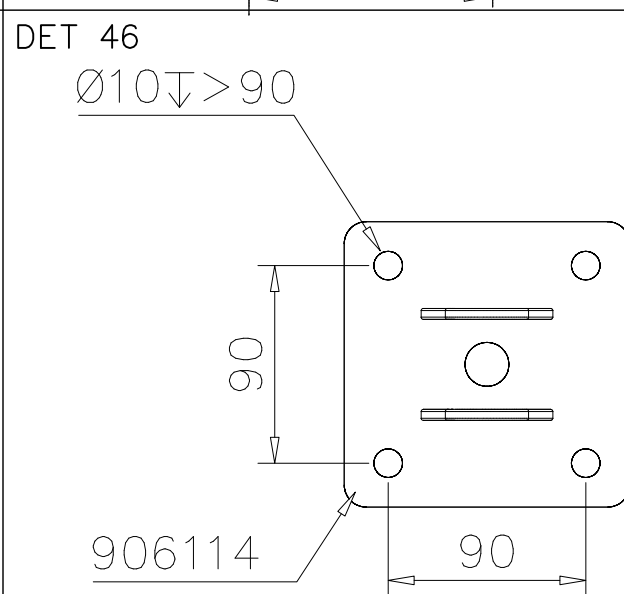
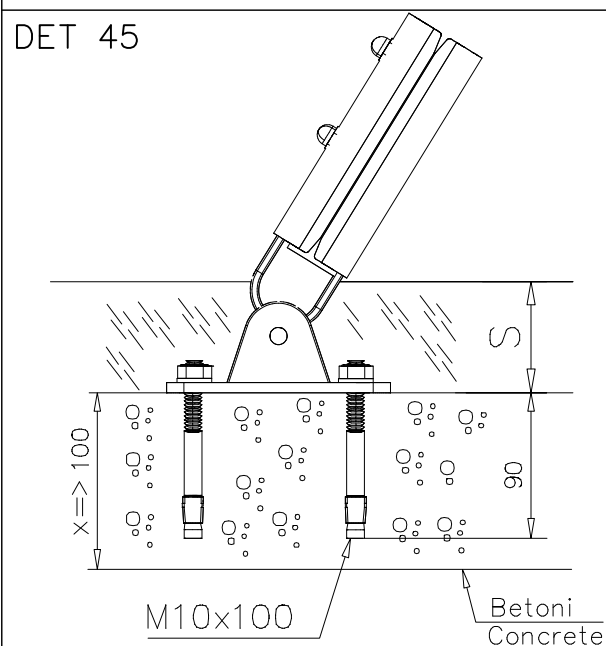
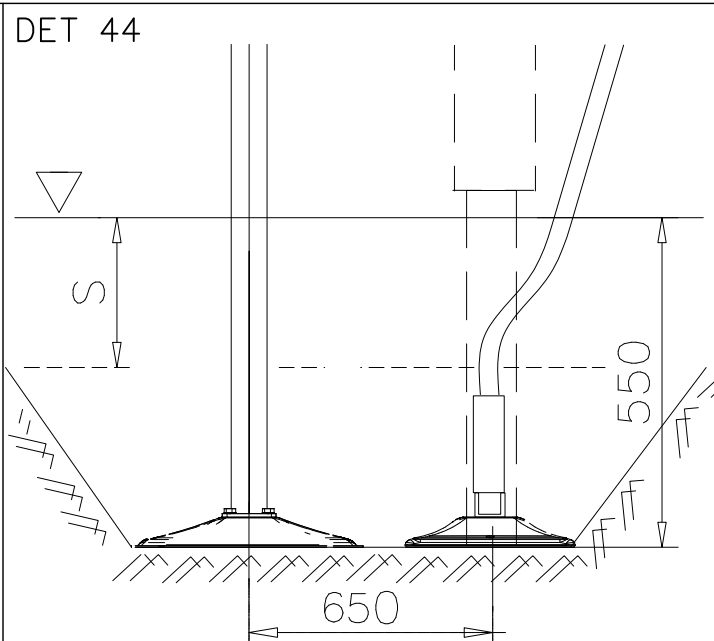
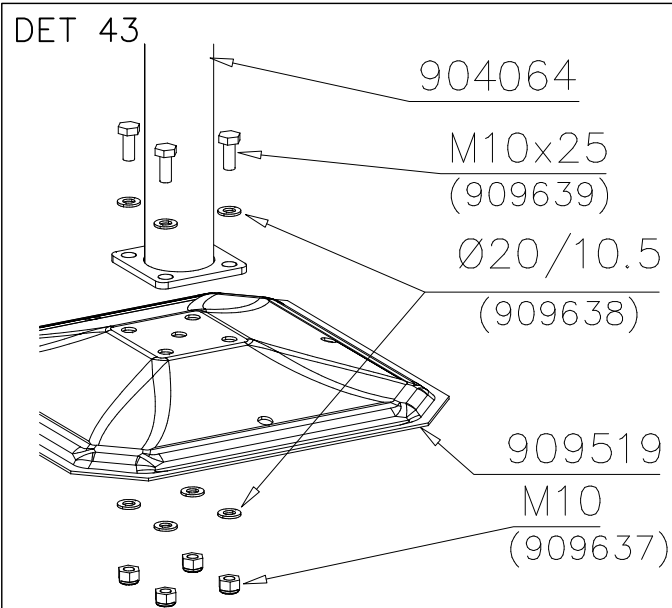
DET 40



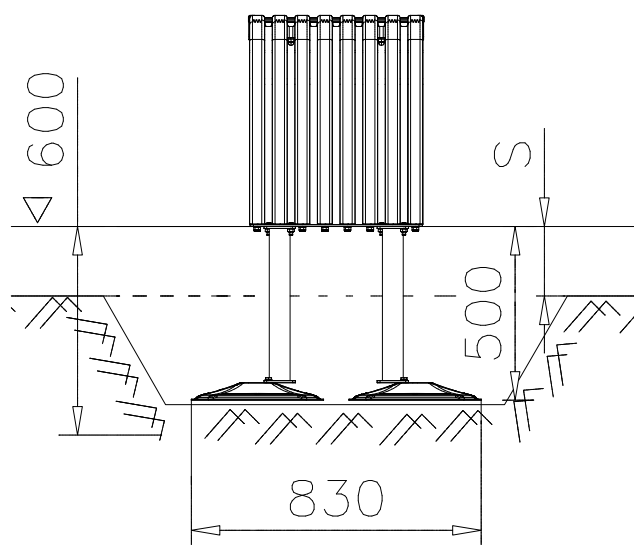
DET 41



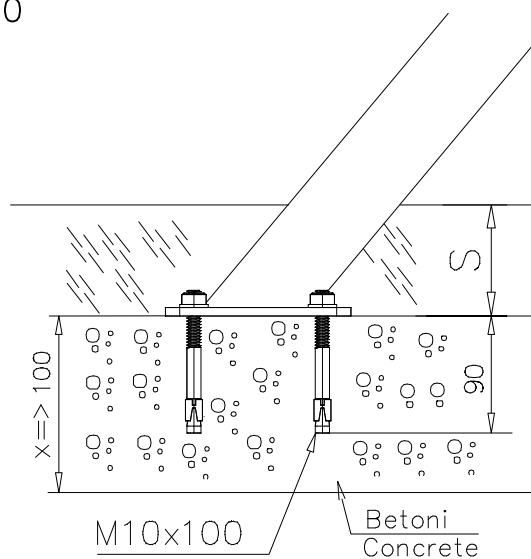
DET 42



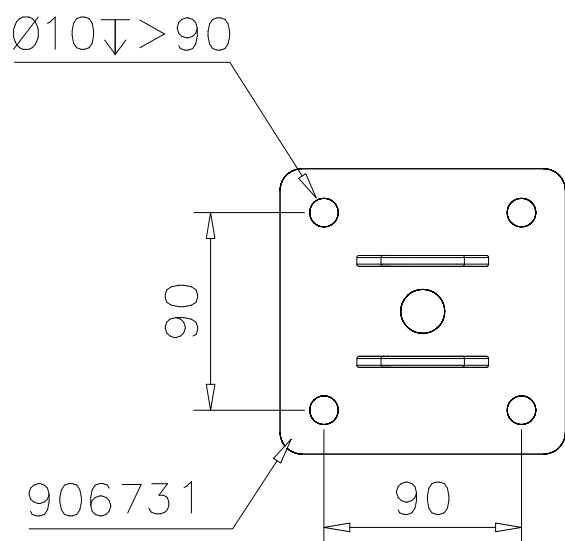
DET 49



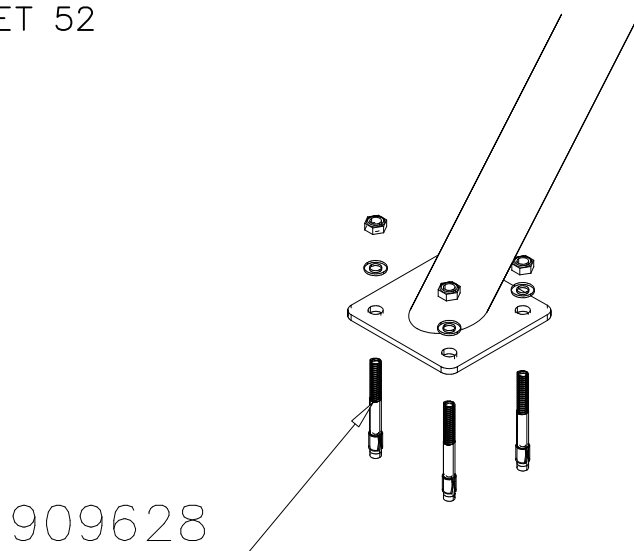
DET 50



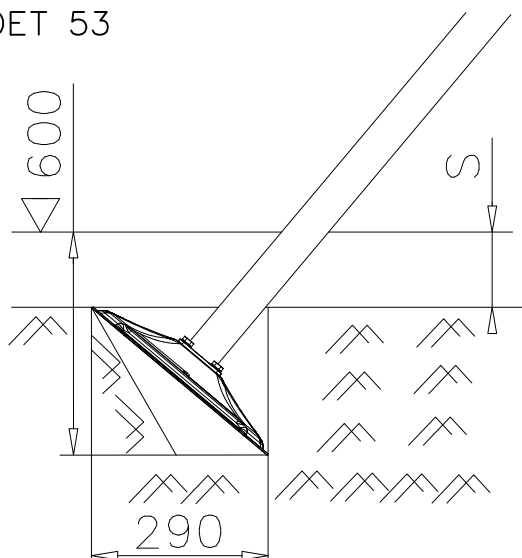
DET 51



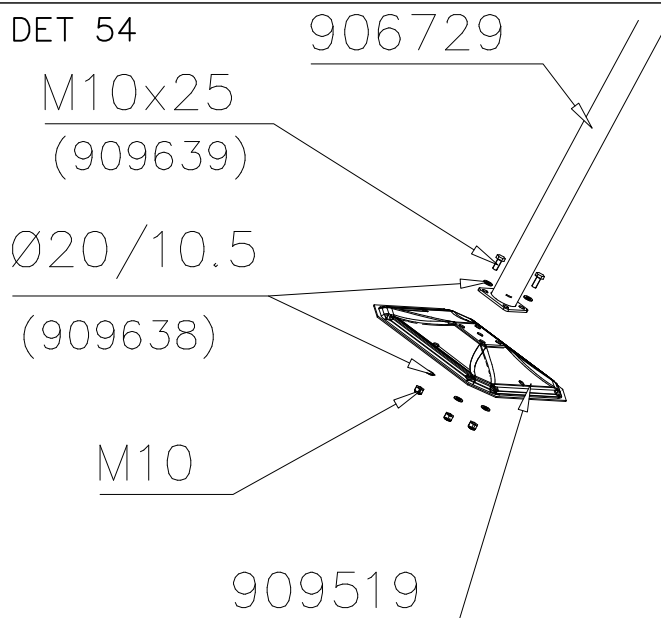
DET 52



DET 53

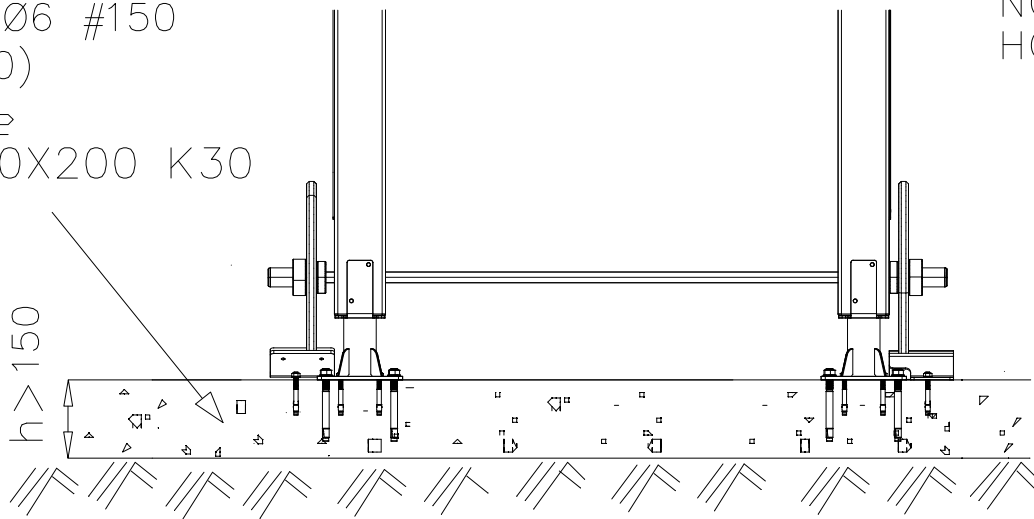


DET 54

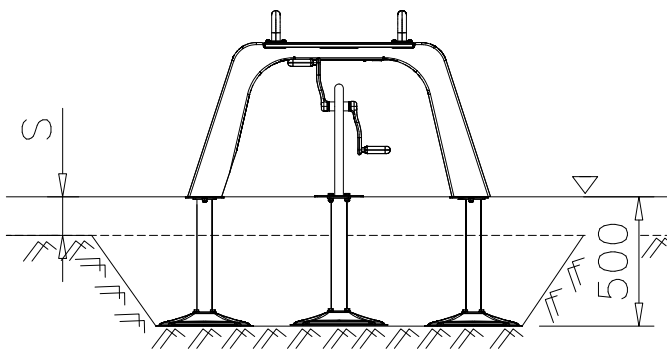


### DET 55

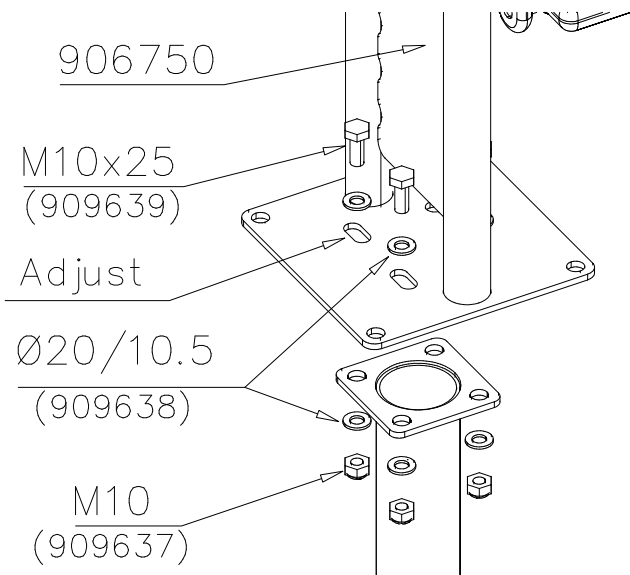
STEELNET Ø6 #150  
(1400x2100)  
Concrete  
1500X2200X200 K30



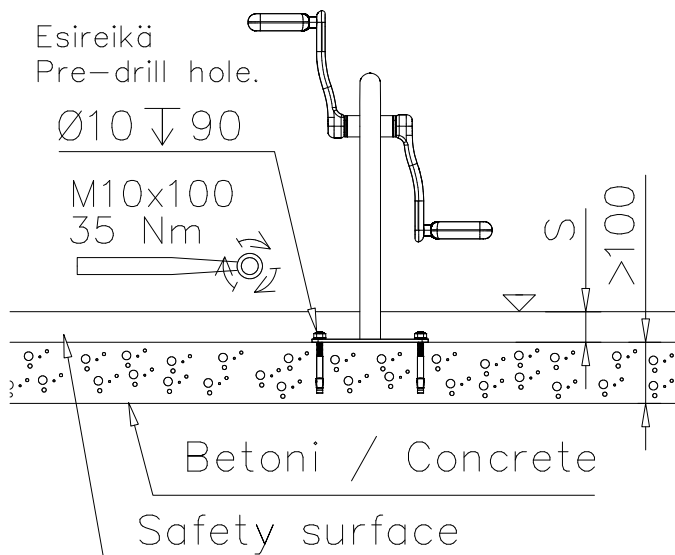
### DET 56



### DET 57



### DET 58



### DET 59

