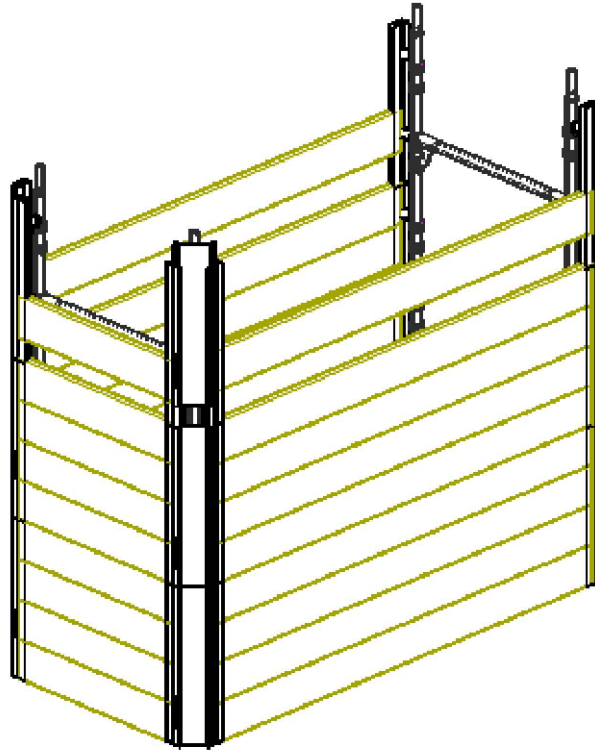




#### Component Details

|                               |          |
|-------------------------------|----------|
| 23-01                         | 23-01-02 |
| AL Track Unit                 | 23-01-03 |
| Track Joints                  | 23-01-04 |
| Track Clamp-Universal Adaptor | 23-01-05 |
| 750 Track Saddle Clamp        | 23-01-06 |
| 750 Track Coupler Clamp       | 23-01-07 |
| Corner Panel                  | 23-01-08 |
| Panels                        | 23-01-09 |
| Sheeting                      | 23-01-10 |
| Sheet Pulling Equipment       | 23-01-11 |
| Sheet Tensioning              | 23-01-12 |
| Door                          |          |

#### Applications

|                                          |          |
|------------------------------------------|----------|
| 23-02                                    | 23-02-01 |
| System Installation                      | 23-02-02 |
| Double Set of Cladding Panels            | 23-02-03 |
| Combination of Cladding Panels and Sheet |          |

#### Technical

|                                       |          |
|---------------------------------------|----------|
| 20-03                                 | 23-03-01 |
| Permissible Loads for Cladding Panels |          |

|       |       |
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|       |       |
| 2     | 01/18 |
| 1     | 09/17 |
| Issue | Date  |



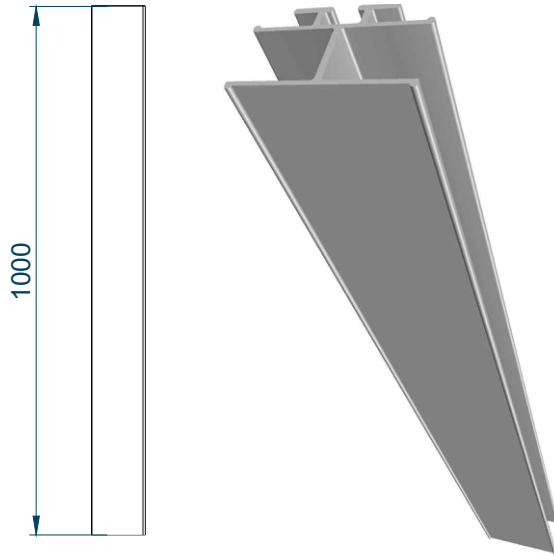
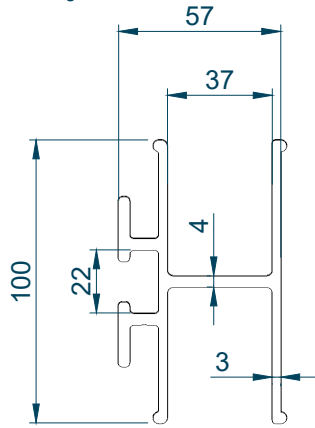
## DESIGN DATA

CLADDING  
SYSTEM

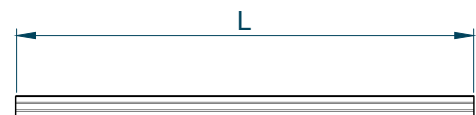
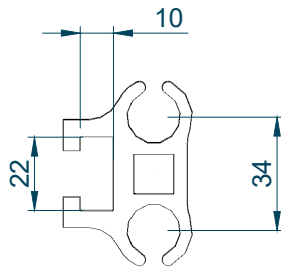
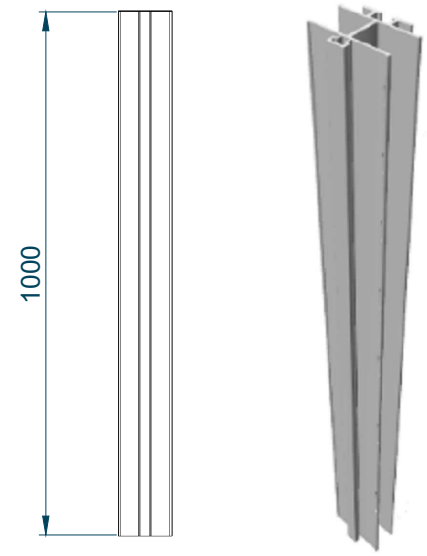
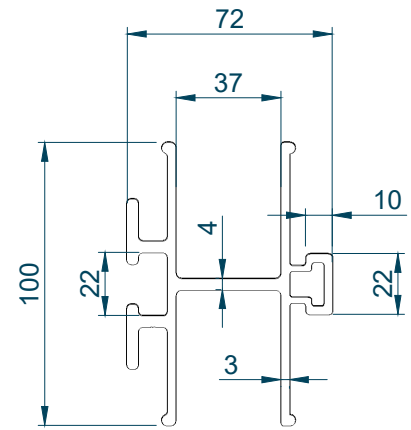
## INDEX

**23 - 0**

**Flush AL Cladding Track**  
6230070  
2.8kg



**AL Cladding Track**  
6230069  
3.2kg



| HAKI Track |          |             |
|------------|----------|-------------|
| Length (m) | Item No. | Weight (kg) |
| 1.25       | 75411250 | 2.6         |
| 2.25       | 75412250 | 4.7         |
| 3.25       | 75413250 | 6.7         |
| 6.25       | 75416250 | 12.9        |

|       |       |
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|       |       |
| 2     | 03/20 |
| 1     | 09/17 |
| Issue | Date  |



## DESIGN DATA

### COMPONENTS AL Track Units

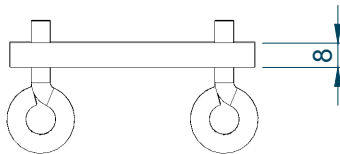
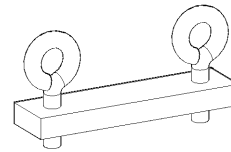
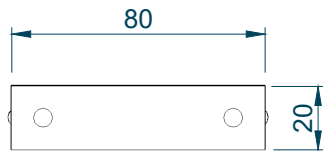
### CLADDING SYSTEM

**23 - 01 - 02**

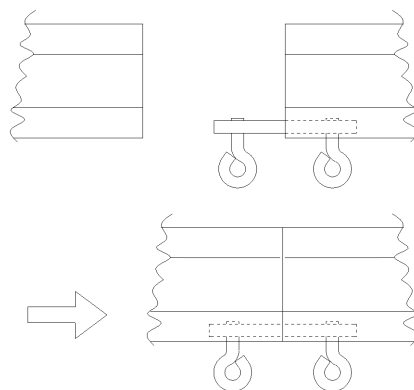
## HAKI Track Joint Plate

7540000

0.2kg



Track Joint Plate between AL Track Units



1.Tighten Eye-Bolt against top of track slot on one side.

2.Sections to be butted together and then tighten second Eye-Bolt against top of track slot to complete the joint.

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| 1     | 10/17 |
| Issue | Date  |



## DESIGN DATA

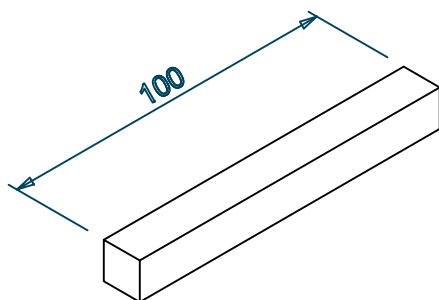
CLADDING  
SYSTEM

**COMPONENTS**  
**Track Joints**

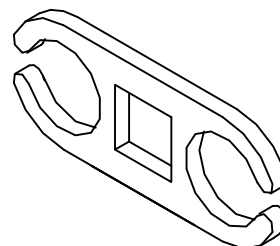
**23 - 01 - 03A**

G1, Pacific House, Relay Point, Wilnecote, Tamworth, B77 5PA  
Tel:- 01827 282525

**HAKI Track Joiner**  
7540001  
0.035kg



**HAKI Track Seal**  
754000



Self-Adhesive Neoprene

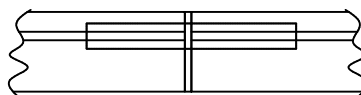
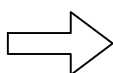
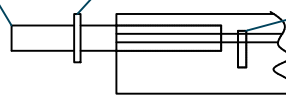
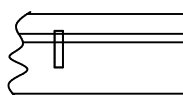
Track Joiner and Track Seal between HAKI Tracks



HAKI Track Joiner

HAKI Track Seal

Steel Pin



Sections to be butted together ensuring that Track Seal is fully compressed.

|       |       |
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|       |       |
| 1     | 10/17 |
| Issue | Date  |



## DESIGN DATA

CLADDING  
SYSTEM

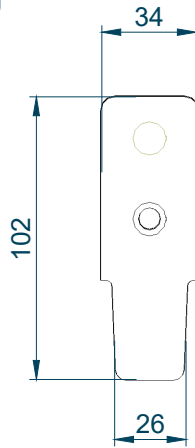
## COMPONENTS

Track Joints

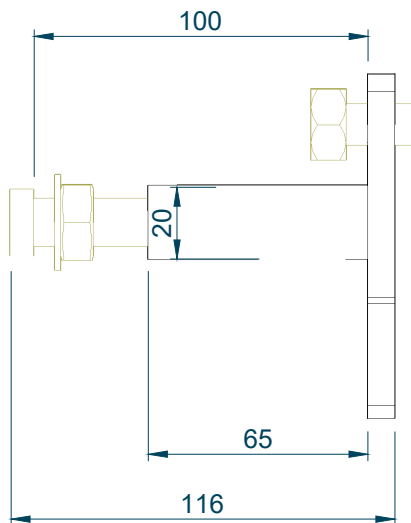
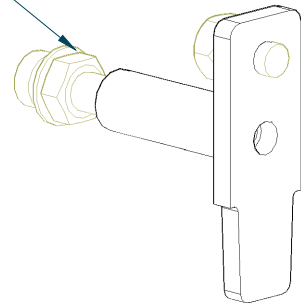
**23 - 01 - 03B**

G1, Pacific House, Relay Point, Wilnecote, Tamworth, B77 5PA  
Tel:- 01827 282525

**Universal Adaptor**  
7541026  
0.5kg

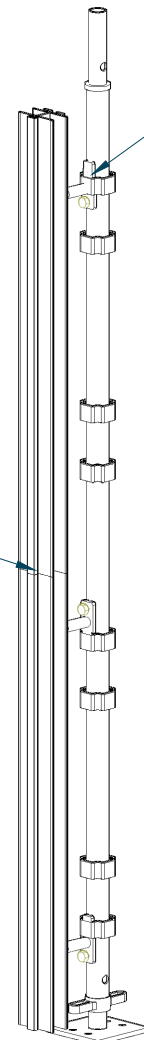


Tighten nut with a 22mm open-ended spanner.



End Universal Adaptor

Join Plate between AL Tracks



**NOTE:**

- Bottom Track installed with a pair of Universal Adaptors positioned in opposite orientations to fix them on the standard.
- Upper tracks connected with a Join Plate and a Universal Adaptor positioned in opposite orientation to the last Adaptor.

|       |       |
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| 2     | 05/18 |
| 1     | 09/17 |
| Issue | Date  |



## DESIGN DATA

CLADDING  
SYSTEM

## COMPONENTS

### Track Clamp-Universal Adaptor

**23 - 01 - 04**

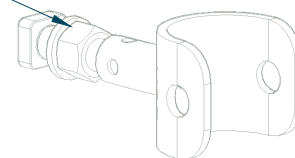
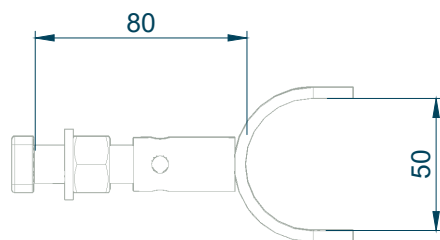
G1, Pacific House, Relay Point, Wilnecote, Tamworth, B77 5PA  
Tel:- 01827 282525

### 750 Track Saddle Clamp

7541000

0.5kg

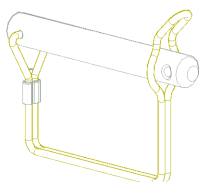
Tighten nut with a 22mm  
open-ended spanner.



### Spring Pin 12mm

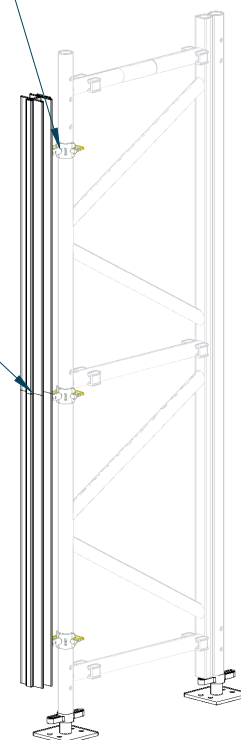
2113100

0.1kg



Saddle Clamp

Join Plate  
between AL  
Tracks



**Note: Track Saddle Clamps  
secured with Springs Pins.**



## DESIGN DATA

### COMPONENTS 750 Track Saddle Clamp

CLADDING  
SYSTEM

**23 - 01 - 05**

G1, Pacific House, Relay Point, Wilnecote, Tamworth, B77 5PA  
Tel:- 01827 282525

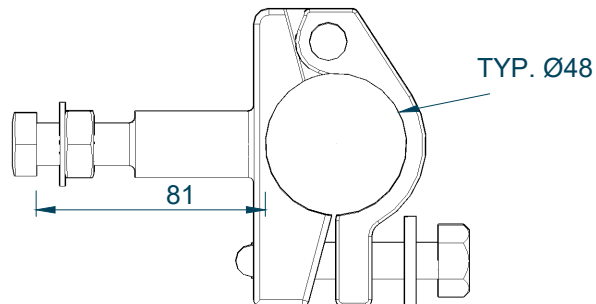
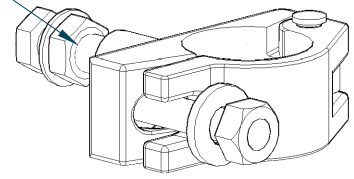
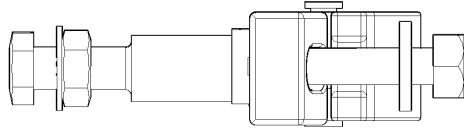
|       |       |
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| 2     | 05/18 |
| 1     | 09/17 |
| Issue | Date  |

## 750 Track Coupler Clamp

7541001

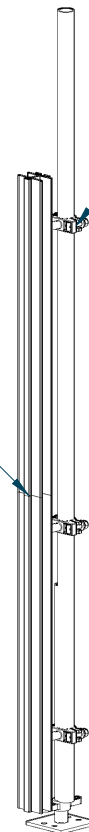
1.0kg

Tighten nut with a 22mm  
open-ended spanner.



Coupler Clamp

Join Plate  
between AL  
Tracks



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| 2     | 05/18 |
| 1     | 09/17 |
| Issue | Date  |



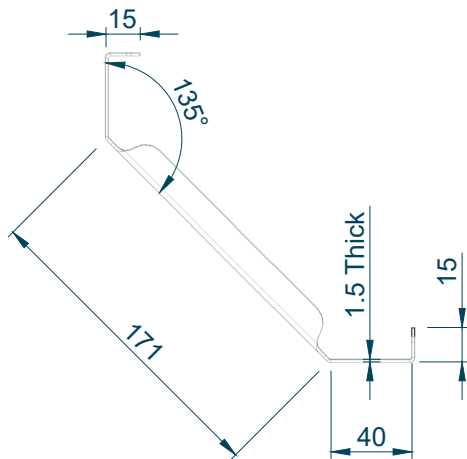
## DESIGN DATA

### COMPONENTS 750 Track Coupler Clamp

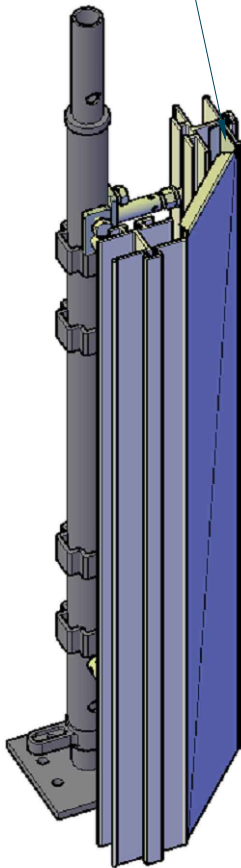
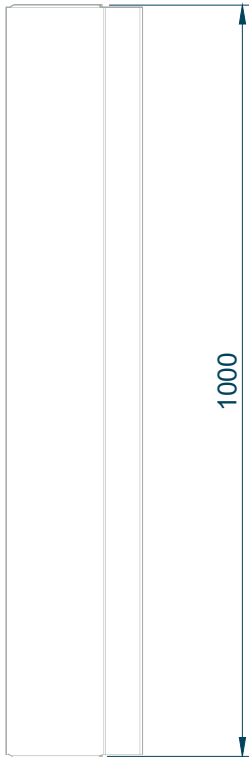
CLADDING  
SYSTEM

23 - 01 - 06

**Cladding Corner Panel**  
**Coupler Type MK1**  
 7562004  
 3.9kg

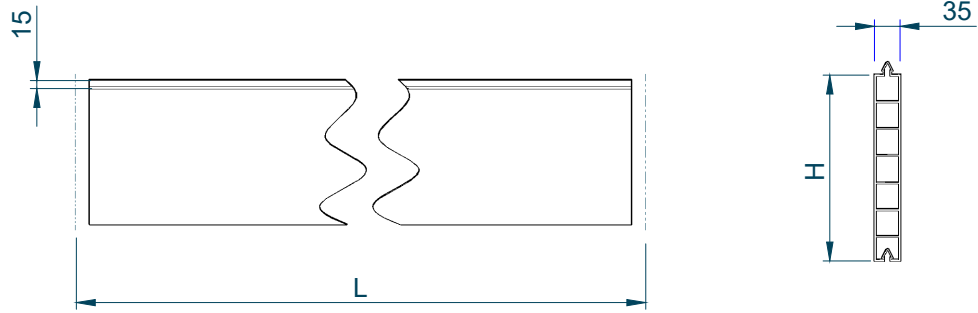


Cladding Corner Panel-  
 Secure to the track with  
 4X15mm tech-screws(supplied  
 by customer)

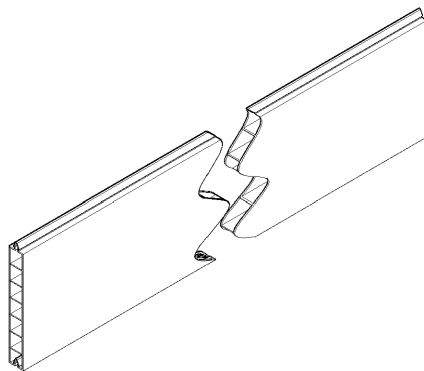


|       |       |
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| 2     | 01/18 |
| 1     | 09/17 |
| Issue | Date  |

|                                                                                     |                                          |                     |
|-------------------------------------------------------------------------------------|------------------------------------------|---------------------|
|  | <b>DESIGN DATA</b>                       | CLADDING SYSTEM     |
|                                                                                     | <b>COMPONENTS</b><br><b>Corner Panel</b> | <b>23 - 01 - 07</b> |



| Cladding Panels |       |          |             |
|-----------------|-------|----------|-------------|
| L (m)           | H (m) | Item No. | Weight (kg) |
| 1.25            | 0.50  | 2033122  | 4.0         |
| 1.25            | 0.25  | 2033121  | 2.0         |
| 1.655           | 0.50  | 2033162  | 5.4         |
| 1.655           | 0.25  | 2033161  | 2.7         |
| 1.964           | 0.50  | 2033191  | 6.4         |
| 1.964           | 0.25  | 2033192  | 3.2         |
| 2.50            | 0.50  | 2033252  | 8.0         |
| 2.50            | 0.25  | 2033250  | 4.0         |
| 3.05            | 0.50  | 2033302  | 9.8         |
| 3.05            | 0.25  | 2033301  | 4.9         |



|                            |                        |
|----------------------------|------------------------|
| Second Moment of Area, I   | 54.5 cm <sup>4</sup>   |
| Section Modulus, Z         | 31.2 cm <sup>3</sup>   |
| Elastic Modulus, E         | 3000 N/mm <sup>2</sup> |
| Permissible Bending Moment | 0.62 kN.m              |

|       |       |
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|       |       |
| 1     | 09/17 |
| Issue | Date  |

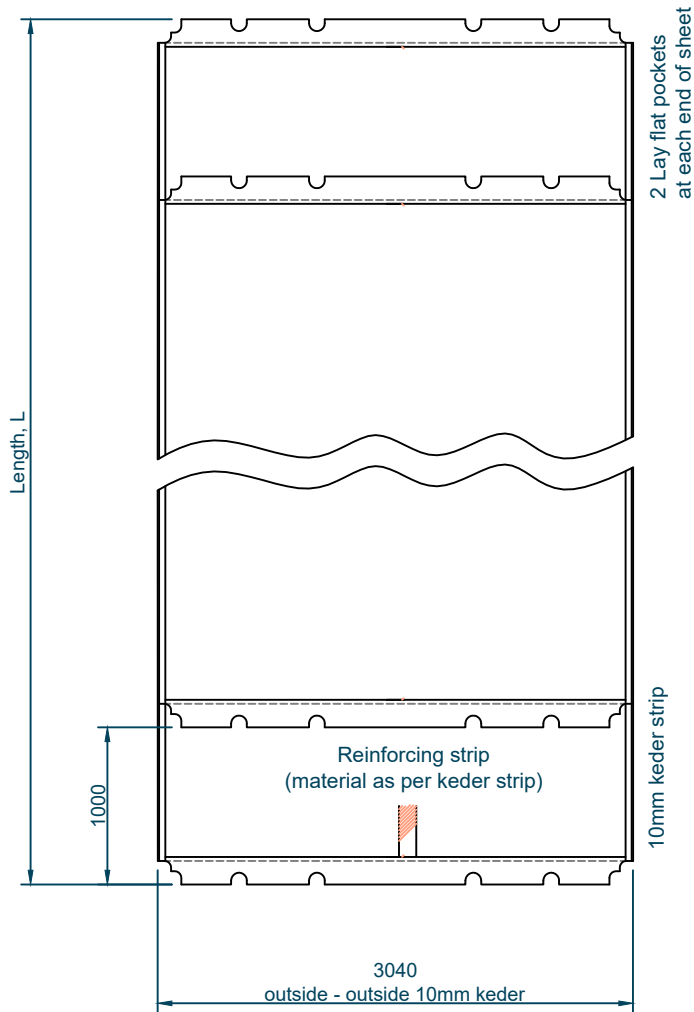


## DESIGN DATA

CLADDING  
SYSTEM

COMPONENTS  
Panels

**23 - 01 - 08**



**HAKI Trak Sheet**  
3.05m x 16.88m Long  
2742030  
31kg

**HAKI Trak Sheet**  
3.05m x 10.88m Long  
2742029  
20kg

**MAXIMUM WORKING LOADING**  
Uniformly Distributed Loading  
normal to surface 4.5kN/m<sup>2</sup>

| POWERPLAS 561         |            |                                                                                                                                        |
|-----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Test                  | Method     | Requirement                                                                                                                            |
| Base Fabric           | N/A        | PES<br>Polyester                                                                                                                       |
| Special Treatments    | N/A        | FR BS 7837 TEST 5438/B2<br>FR - DIN 4102, B1 - pass<br>BS EN 13501-1 - B, S2, D1<br>Anti-Yellowing - 3 Years<br>High UV<br>Anti-Mildew |
| Coating Material      | N/A        | PVC + Acrylic Lacquer<br>(Top Surface Only)                                                                                            |
| Total Weight          | ISO 3801   | 610 g/m <sup>2</sup>                                                                                                                   |
| Tensile Strength      | ASTM D 751 | 2600/2300 N using a 50mm strip                                                                                                         |
| Tear Resistance       | ASTM 2261  | 350N/250N                                                                                                                              |
| Operating Temperature |            | -30°C/+70°C                                                                                                                            |

|       |       |
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| 2     | 02/19 |
| 1     | 07/08 |
| Issue | Date  |

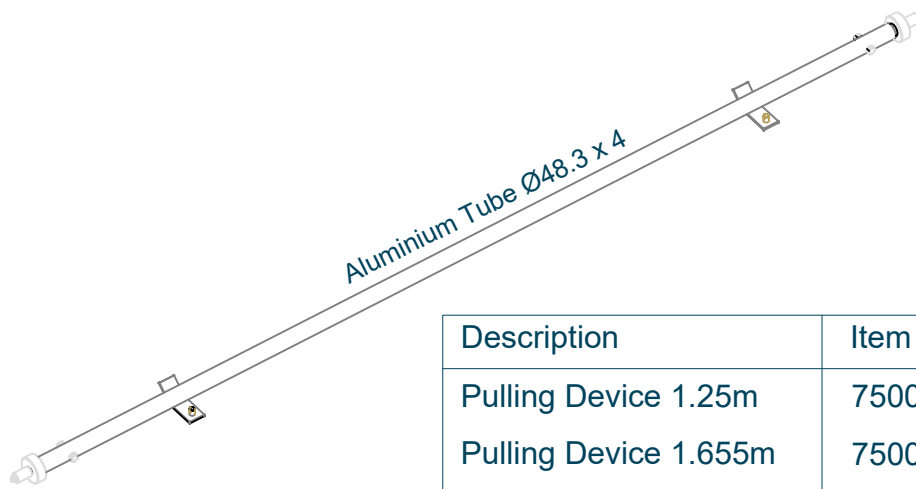


## DESIGN DATA

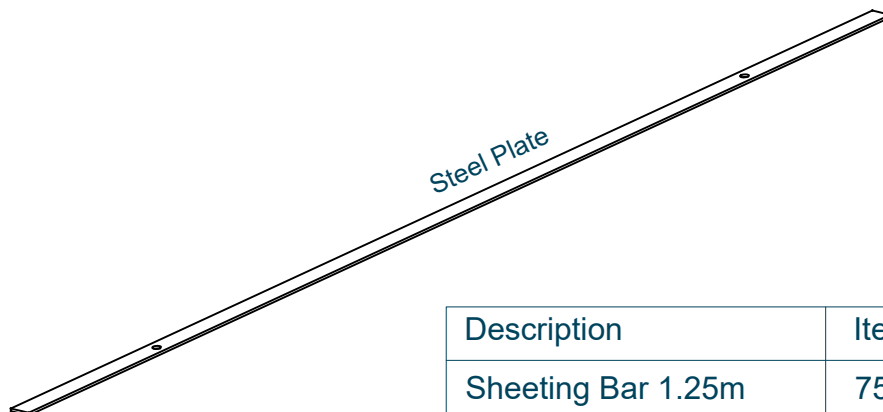
CLADDING  
SYSTEM

**COMPONENTS**  
Sheeting

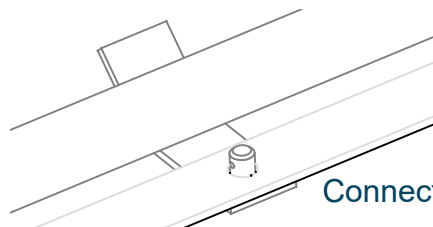
**23 - 01 - 09**



| Description           | Item No. | Weight  |
|-----------------------|----------|---------|
| Pulling Device 1.25m  | 7500011  | 7.8 kg  |
| Pulling Device 1.655m | 7500025  | 9.4 kg  |
| Pulling Device 2.5m   | 7500009  | 12.6 kg |
| Pulling Device 3.05m  | 7500008  | 14.8 kg |



| Description         | Item No. | Weight |
|---------------------|----------|--------|
| Sheeting Bar 1.25m  | 7500012  | 2.7 kg |
| Sheeting Bar 1.655m | 7500026  | 3.6 kg |
| Sheeting Bar 2.5m   | 7500007  | 5.5 kg |
| Sheeting Bar 3.05m  | 7500006  | 6.8 kg |



Connected using 'R' Clip

|       |       |
|-------|-------|
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| 1     | 10/17 |
| Issue | Date  |



## DESIGN DATA

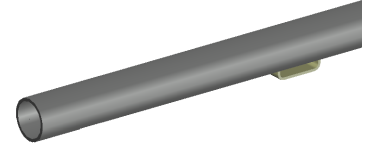
CLADDING  
SYSTEM

**COMPONENTS**  
Sheet Pulling Equipment

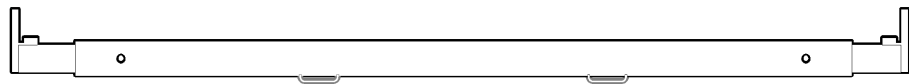
**23 - 01 - 10**



| Description         | Item No. | Weight |
|---------------------|----------|--------|
| Tension Tube 1.25m  | 7500024  | 3.7 kg |
| Tension Tube 1.655m | 7500028  | 5.2 kg |
| Tension Tube 1.964m | 7500042  | 5.6 kg |
| Tension Tube 2.5m   | 7500023  | 7.7 kg |
| Tension Tube 3.05m  | 7500022  | 9.2 kg |

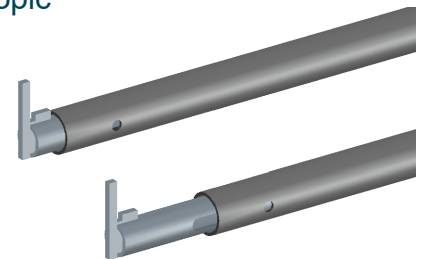


Note:  
Loops provided for retaining tube  
in place in sheet pocket



Ends are  
telescopic

| Description        | Item No. | Weight  |
|--------------------|----------|---------|
| Tension Bar 1.25m  | 7500013  | 5.9 kg  |
| Tension Bar 1.655m | 7500027  | 7.6 kg  |
| Tension Bar 1.964m | 7500040  | 7.0 kg  |
| Tension Bar 2.5m   | 7500014  | 10.6 kg |
| Tension Bar 3.05m  | 7500015  | 12.9 kg |



Note:  
2 pegs will  
sit side-by-side

|       |       |
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|       |       |
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|       |       |
| 1     | 10/17 |
| Issue | Date  |



## DESIGN DATA

CLADDING  
SYSTEM

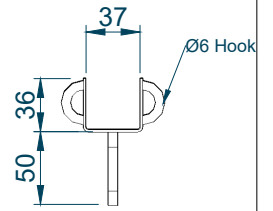
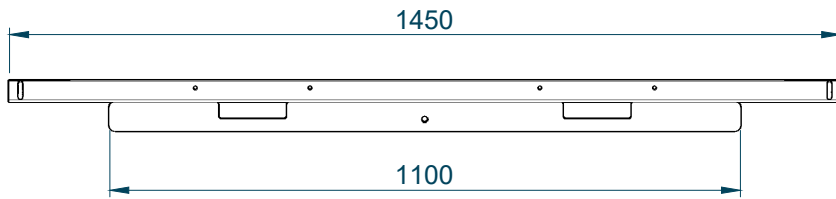
**COMPONENTS**  
Sheet Tensioning

**23 - 01 - 11**

### Cladding Door Handle

7562003

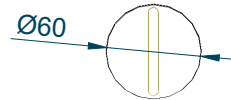
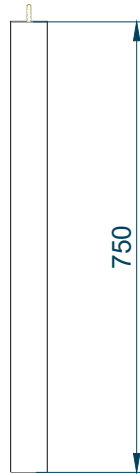
3.3kg



### Counterweight

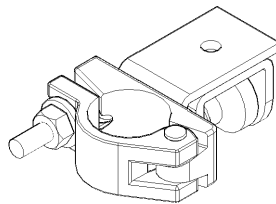
7561005

15.0kg



### Pulley Bracket

7561004



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|-------|-------|
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|       |       |
|       |       |
| 1     | 09/17 |
| Issue | Date  |

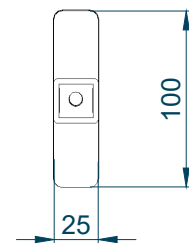
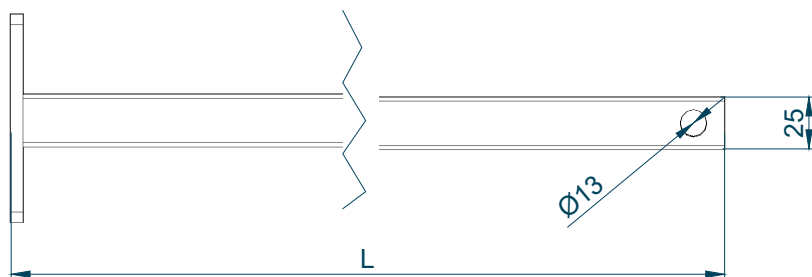


## DESIGN DATA

CLADDING  
SYSTEM

COMPONENTS  
Door

23 - 01 - 12A



| Locking Bar   |       |          |        |
|---------------|-------|----------|--------|
| Bay Length(m) | L (m) | Item No. | Weight |
| 1.655         | 1.746 | 7562166  | 3.7kg  |
| 1.964         | 2.055 | 7562196  | 4.3kg  |



|       |       |
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|       |       |
| 1     | 09/17 |
| Issue | Date  |

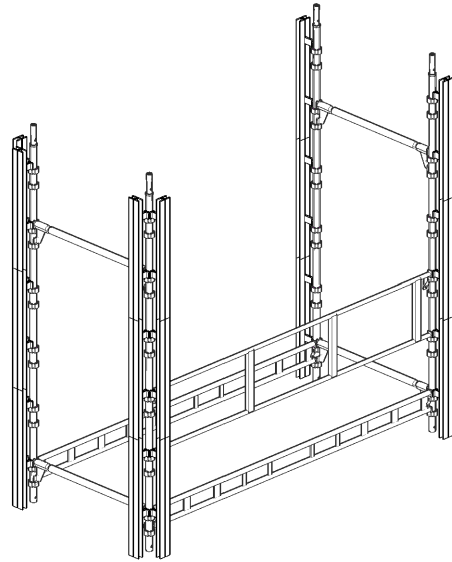
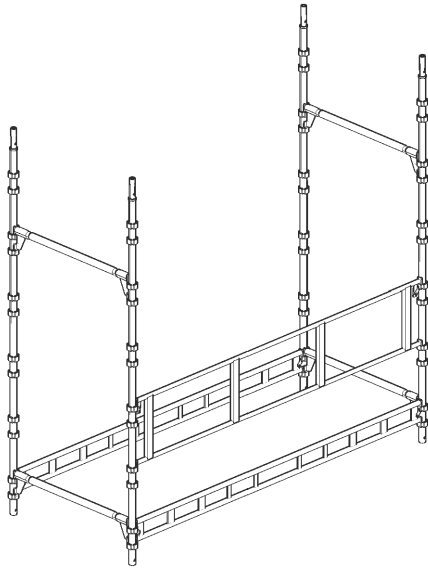


## DESIGN DATA

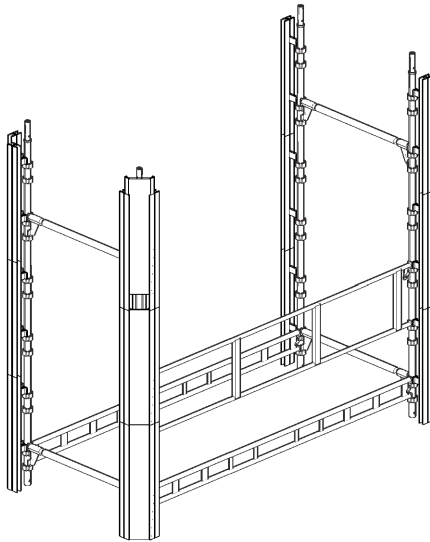
CLADDING  
SYSTEM

COMPONENTS  
Door

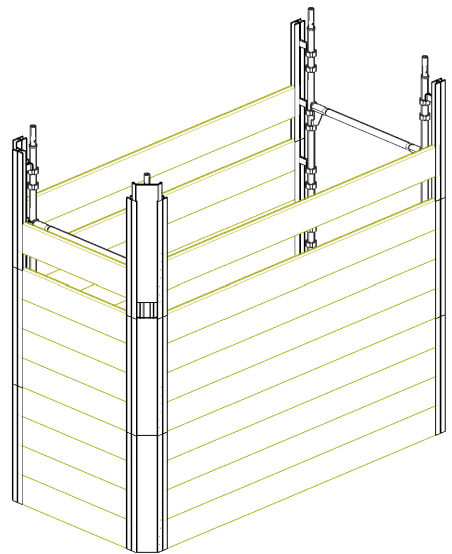
**23 - 01 - 12B**



Track Units Installation



Corner Panels Installation



Cladding Panels Installation

|       |       |
|-------|-------|
|       |       |
|       |       |
| 1     | 05/17 |
| Issue | Date  |

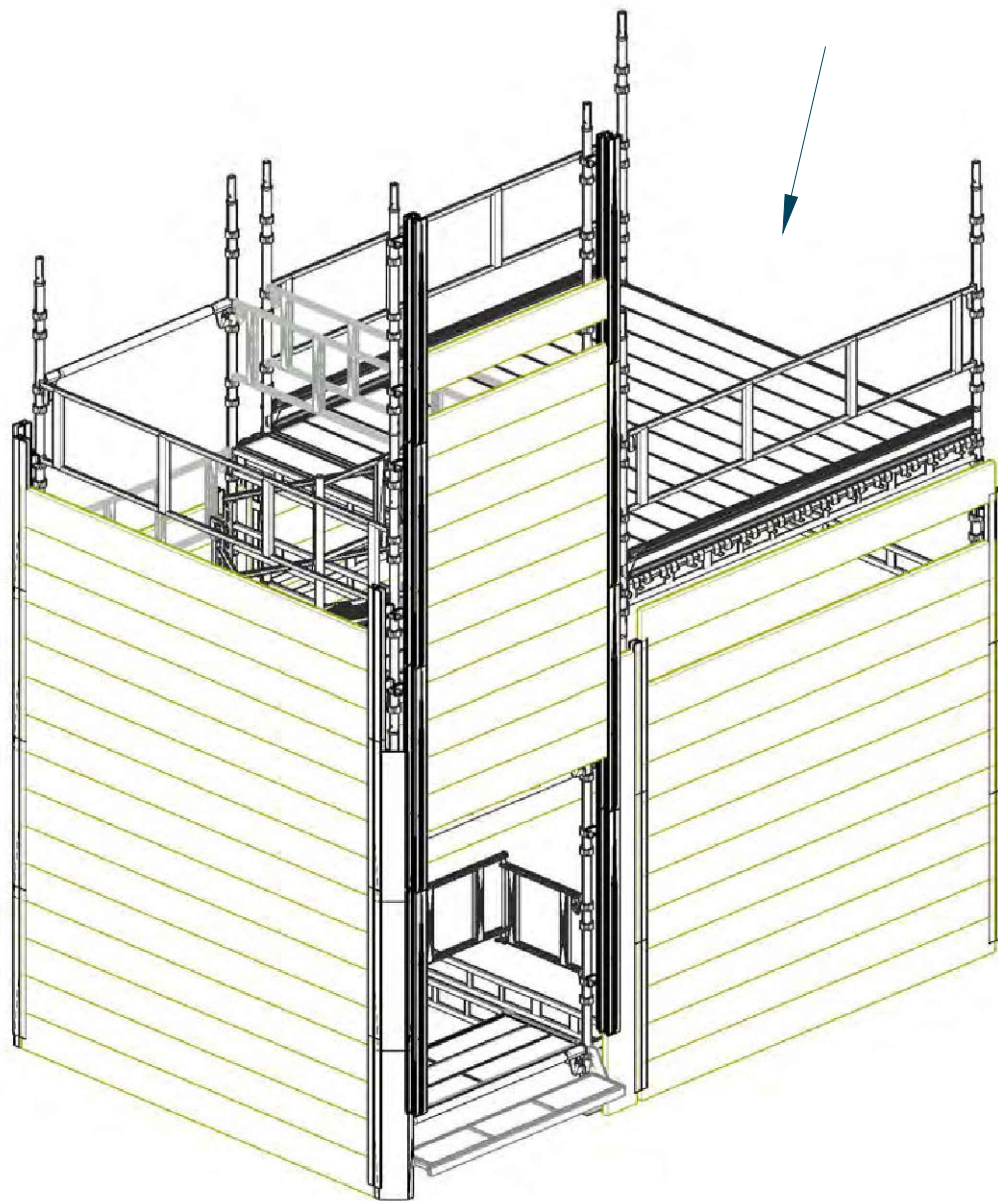


## DESIGN DATA

CLADDING  
SYSTEM

**APPLICATIONS**  
**Cladding System Installation**

**23 - 02 - 01A**



|       |       |
|-------|-------|
|       |       |
|       |       |
| 1     | 10/17 |
| Issue | Date  |

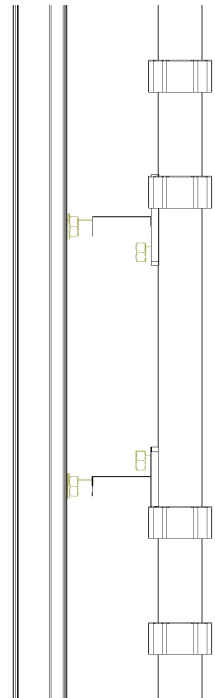
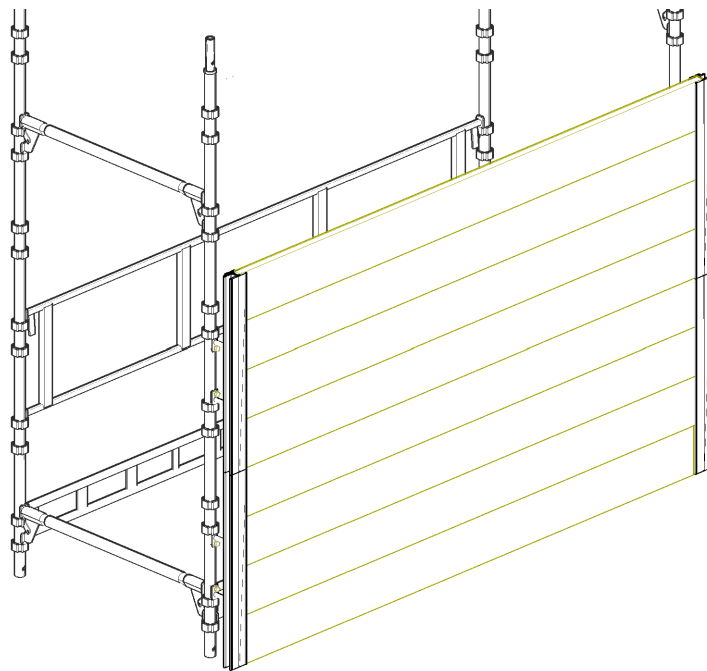
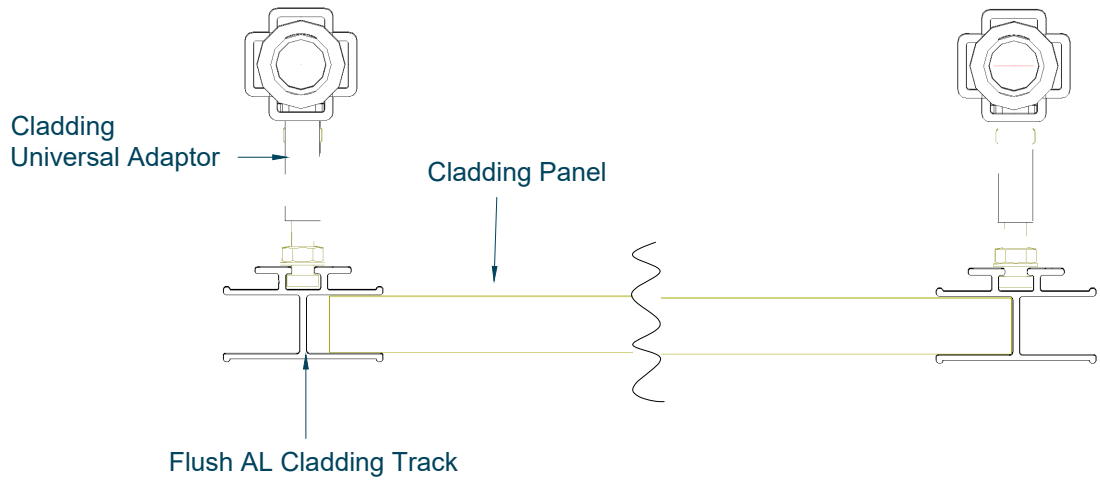


## DESIGN DATA

CLADDING  
SYSTEM

**APPLICATIONS**  
**Cladding System Installation**

**23 - 02 - 01B**



|       |       |
|-------|-------|
|       |       |
|       |       |
| 1     | 03/20 |
| Issue | Date  |

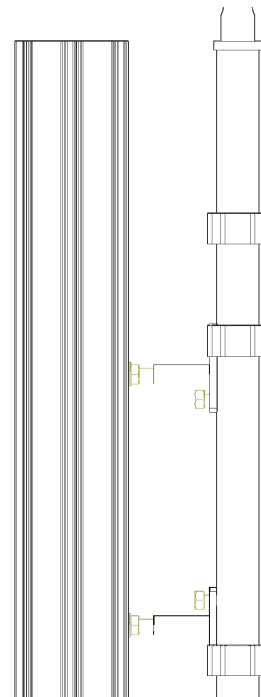
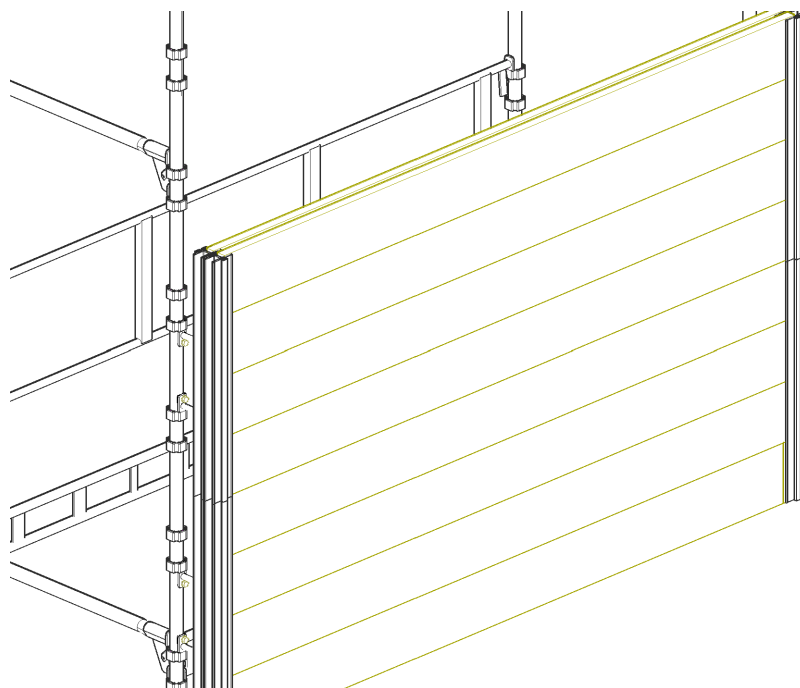
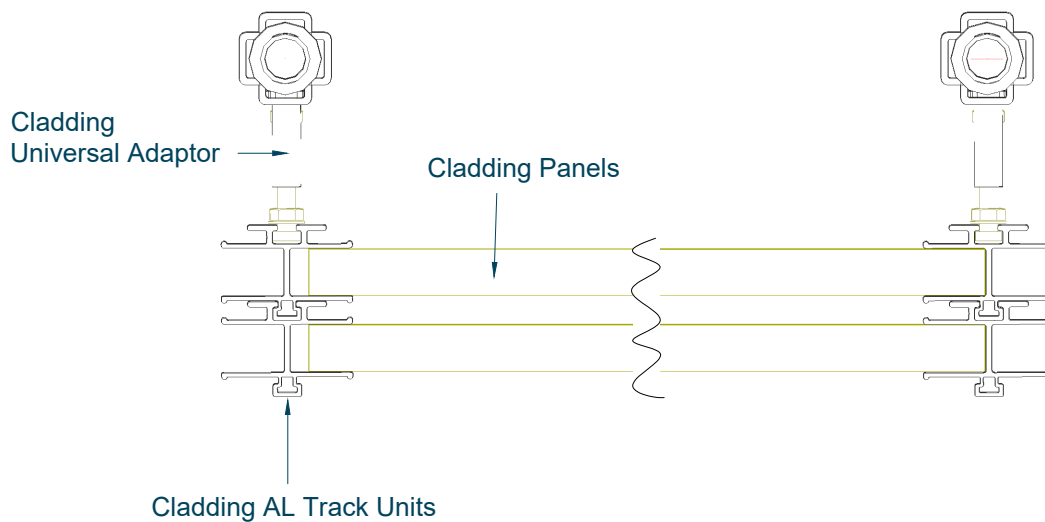


## DESIGN DATA

CLADDING  
SYSTEM

**APPLICATIONS**  
**Flush set of cladding panels**

**23 - 02 - 02A**



|       |       |
|-------|-------|
|       |       |
|       |       |
| 1     | 03/20 |
| Issue | Date  |

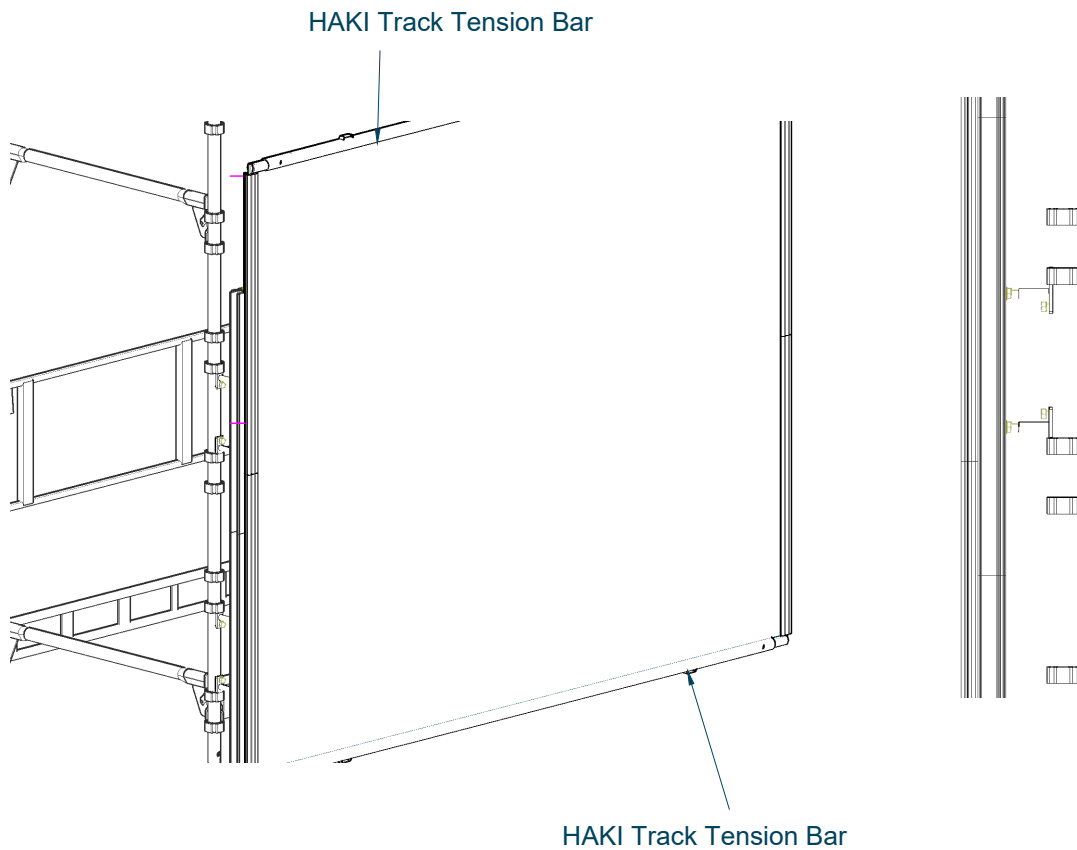
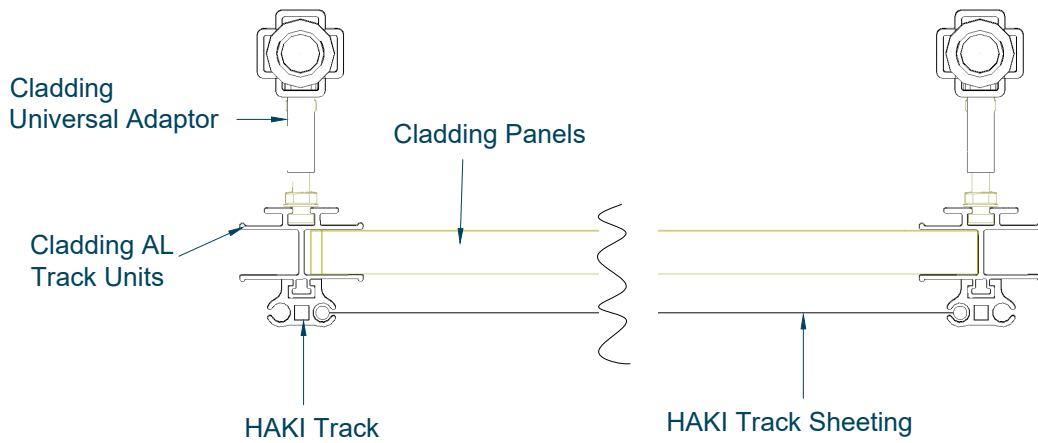


## DESIGN DATA

**APPLICATIONS**  
**Double set of cladding panels**

**CLADDING  
SYSTEM**

**23 - 02 - 02B**



|       |       |
|-------|-------|
|       |       |
|       |       |
| 1     | 10/17 |
| Issue | Date  |



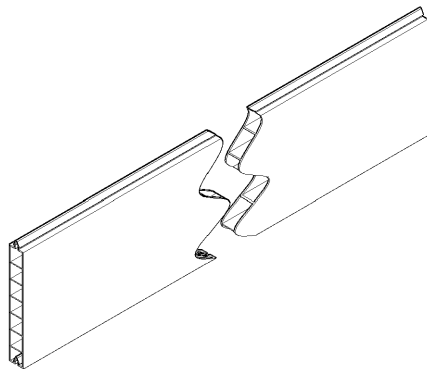
## DESIGN DATA

CLADDING  
SYSTEM

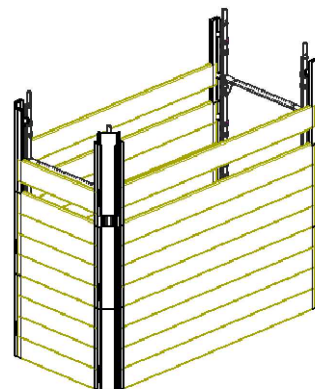
## APPLICATIONS

**Combination of Cladding Panels and Sheet**

**23 - 02 - 02C**



|                                   |                        |
|-----------------------------------|------------------------|
| Second Moment of Area, I          | 54.5 cm <sup>4</sup>   |
| Section Modulus, Z                | 31.2 cm <sup>3</sup>   |
| Elastic Modulus, E                | 3000 N/mm <sup>2</sup> |
| Permissible Bending Moment        | 0.62 kN.m              |
| Weight per unit area              | 12kg/sq.m              |
| Colour of the twin-wall profiles: | grey or white          |



### Permissible Loads for Cladding Panels

| L (m) | H (m) | Safe Working Uniformly Distributed Load | Weight (kg) |
|-------|-------|-----------------------------------------|-------------|
| 1.25  | 0.50  | 6.38 kN/sq.m                            | 4.0         |
| 1.655 | 0.50  | 3.64 kN/sq.m                            | 5.4         |
| 1.964 | 0.50  | 2.59 kN/sq.m                            | 6.4         |
| 2.50  | 0.50  | 1.60 kN/sq.m                            | 8.0         |
| 3.05  | 0.50  | 1.07 kN/sq.m                            | 9.8         |

### Acoustic Properties

Reflective Value 15 dB

Enclosures reach 25 dB

The classification assigned to the material with regard to its reaction to fire is:

B

The additional classification with regard to smoke production is:

s3

The additional classification with regard to flaming droplets/ particles is:

d0

This results in the following reaction to fire classification of the material:

B-s3,d0

| Reaction to Fire | Smoke Production | Flaming droplets/particles |
|------------------|------------------|----------------------------|
| B                | s3               | d0                         |

Ref. The classification was carried out in accordance with clauses 11 and 14.1 of the standard DIN EN 13501-1 : 2010.

|       |       |
|-------|-------|
|       |       |
| 2     | 05/19 |
| 1     | 09/17 |
| Issue | Date  |



## DESIGN DATA

CLADDING  
SYSTEM

## TECHNICAL Cladding Panels

**23 - 03 - 01**