

NORDSK PROFIL[®]

DATA SHEETS FOR
INTEGRA-pw



INTEGRA-pw 2.5

IN GERMANY 3.0 TONS AS STANDARD

SAFETY BARRIER

Safety barrier for the securing areas with fall hazards for pedestrians and cars up to a permissible total weight of up to 2.5 tons for use in parking structures.

LOAD REQUIREMENTS

Loads from pedestrians of up to 1.0 kN/m according to EN 1991-1-1 as well as vehicle loads of up to 2.5 according to EN 1991-1-1, Annex B or EN 1991-1-7, Annex C

- Up to 2.5 tons and 10 km/h according to EN 1991-1-7
- Up to 2.5 tons and 10 km/h according to SIA 261.007
- Up to 2.5 tons and 4.5 m/s according to EN or ÖNORM EN 1991-1-1- Annex B or BS 6399-1

TECHNICAL DATA

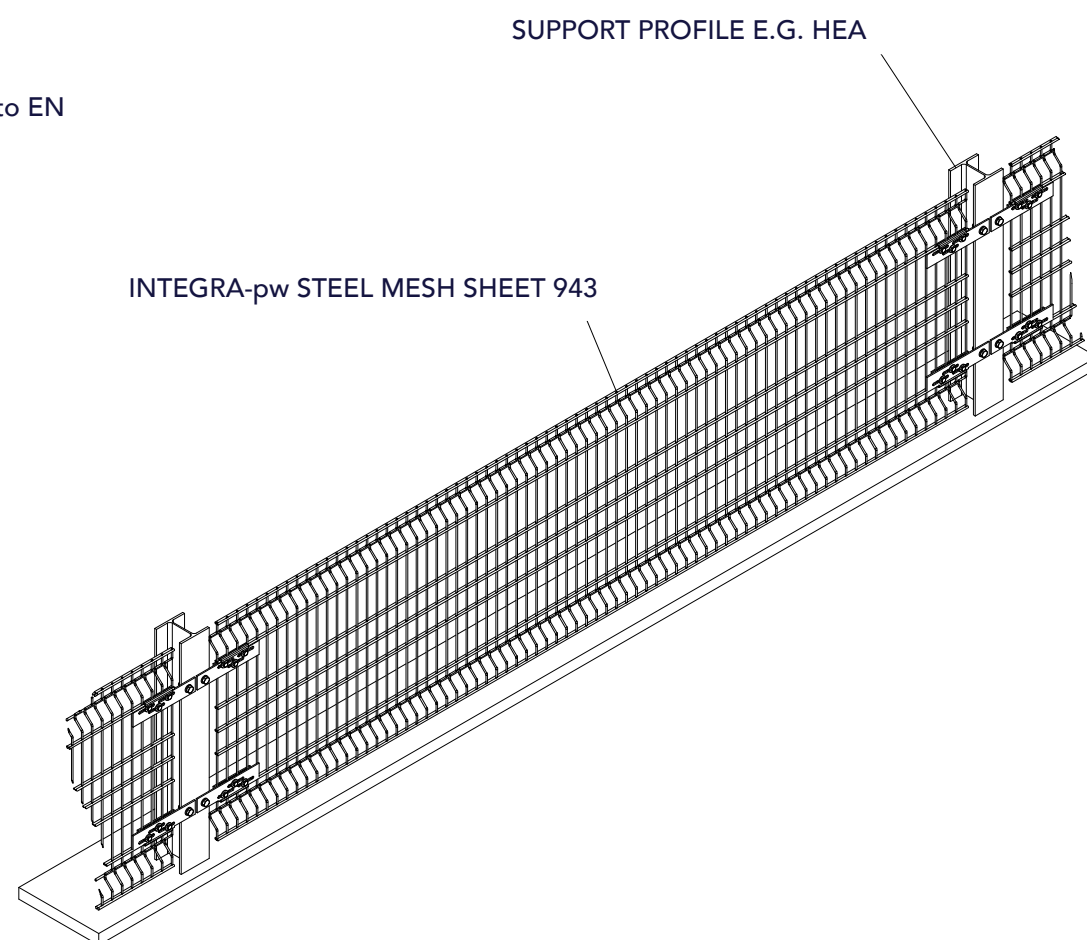
Element height: 943 mm or 1143 mm
Mesh size: 50 x 100/200 mm
Max. Element width: 5506 mm

Manufacturing is done in a grid of 50 mm
Material: Steel S235
Mounting flange made of S355

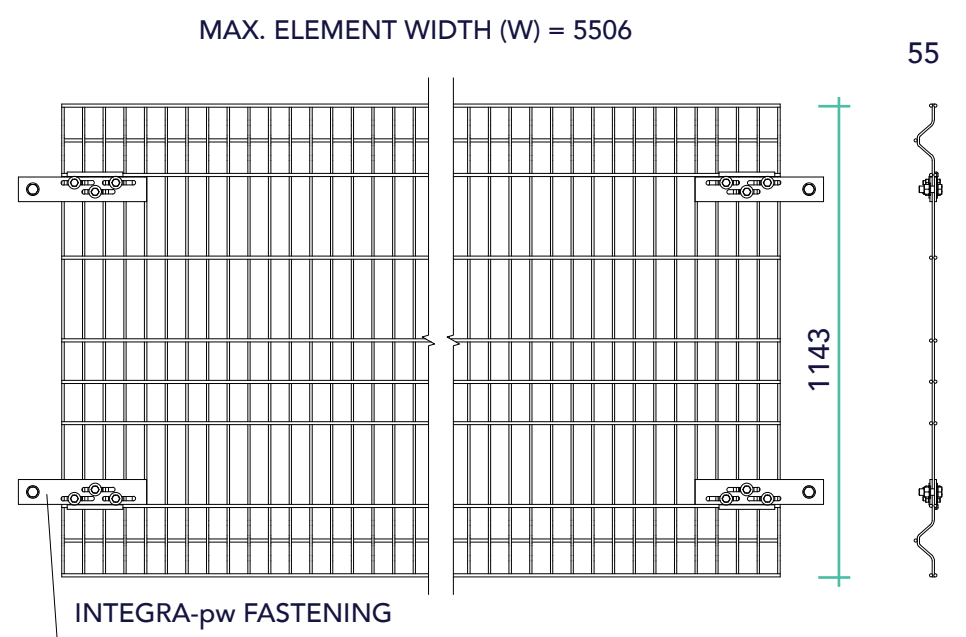
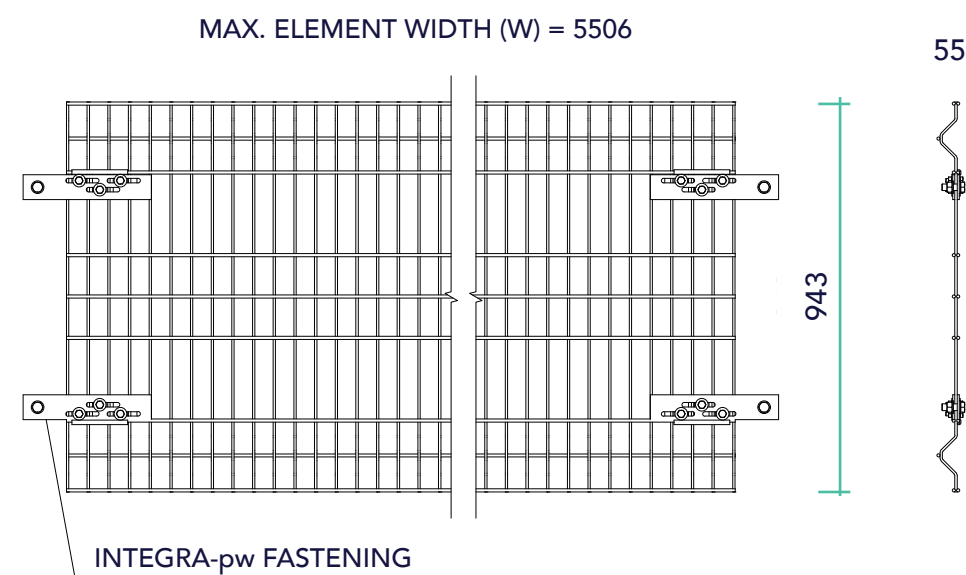
Surface: Hot-dip galvanized
DIN EN ISO 1461
Optional: Powder coated

STABILITY VERIFICATION FOR FALL PROTECTION SYSTEMS WITH HANDRAIL LOADS

Up to 1.5 kN/m according to National Annex to BS EN 1991-1-1
Up to 1.0 kN/m according to EN 1991-1-1



**SYSTEM WITH 2 CONNECTIONS
ON EITHER SIDE**



INTEGRA-pw 3.5

SAFETY BARRIER

Safety barrier for the securing areas with fall hazards for pedestrians and cars and vans up to a permissible total weight of up to 3.5 tons for use in parking structures.

LOAD REQUIREMENTS

Loads from pedestrians of up to 1.0 kN/m according to EN 1991-1-1 as well as vehicle loads of up to 3.5 according to EN 1991-1-1, Annex B or EN 1991-1-7, Annex C.

- Up to 3.5 tons and 10 km/h according to EN 1991-1-7
- Up to 3.5 tons and 10 km/h according to SIA 261.007
- Up to 3.5 tons and 4.5 m/s according to EN or ÖNORM EN 1991-1-1- Annex B or BS 6399-1

TECHNICAL DATA

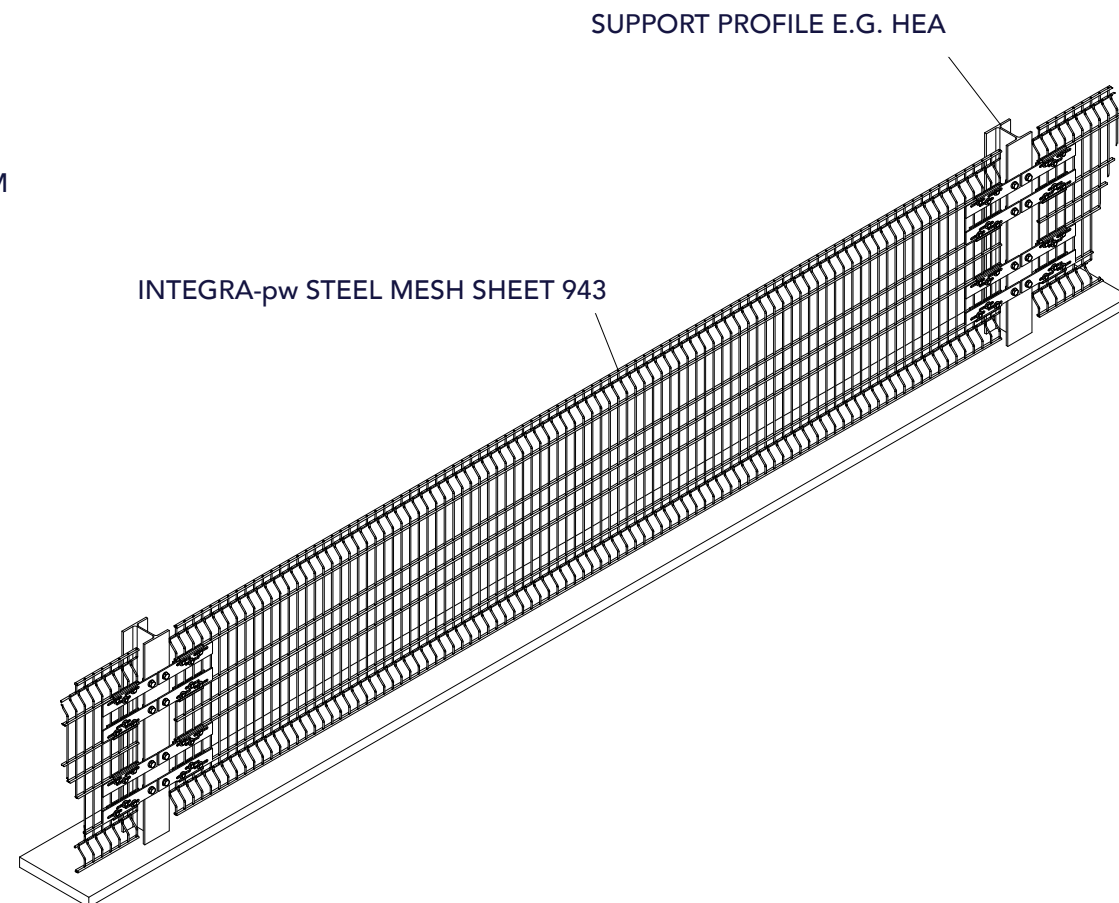
Element height: 943 mm or 1143 mm
Mesh size: 50 x 100/200 mm
Max. Element width: 5506 mm

Manufacturing is done in a grid of 50 mm
Material: Steel S235
Mounting flange made of S355

Surface: Hot-dip galvanized
DIN EN ISO 1461
Optional: Powder coated

STABILITY VERIFICATION FOR PEDESTRIAN FALL PROTECTION SYSTEMS WITH HANDRAIL LOADS

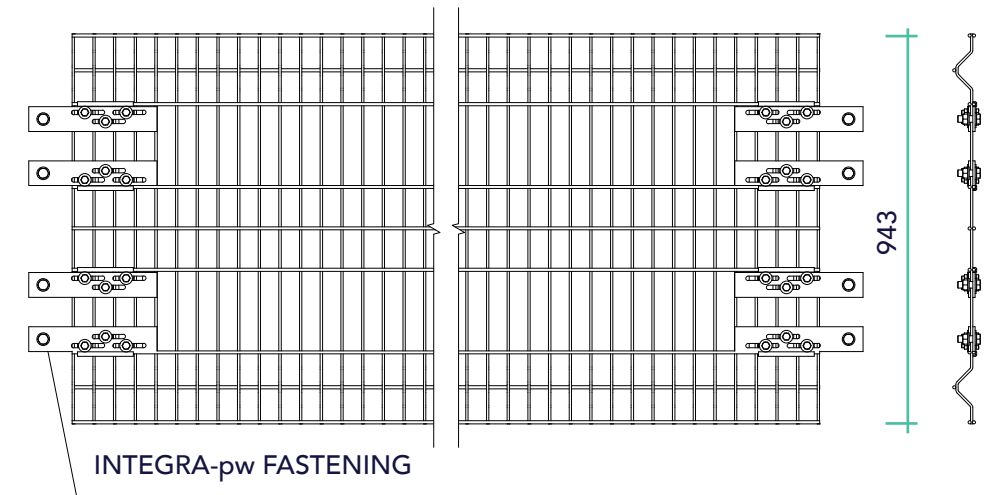
Up to 1.5 kN/m according to National Annex to BS EN 1991-1-1
Up to 1.0 kN/m according to EN 1991-1-1



SYSTEM WITH 4 CONNECTIONS ON EITHER SIDE

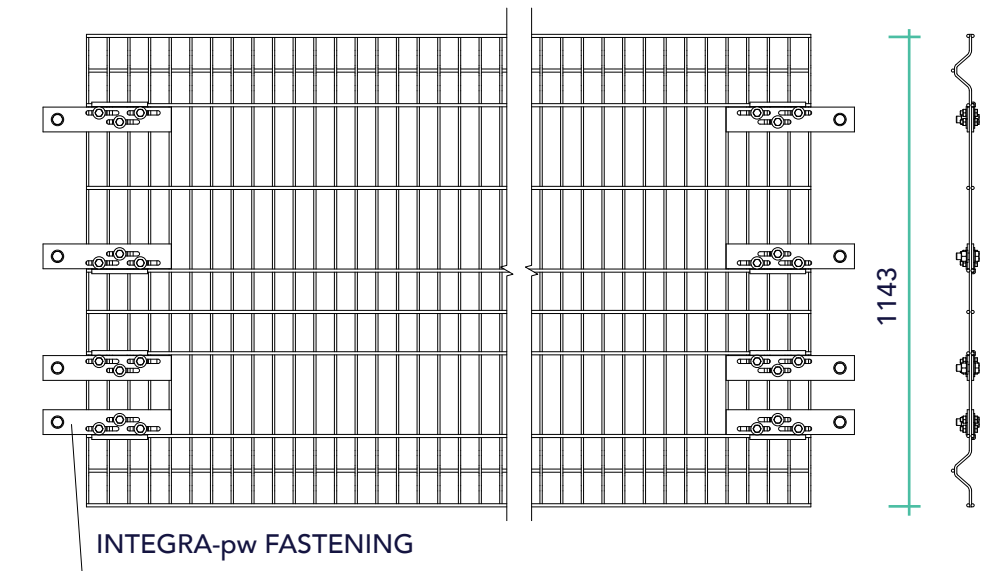
MAX. ELEMENT WIDTH (W) = 5506

55



MAX. ELEMENT WIDTH (W) = 5506

55



COMPONENTS

COMPONENT FOR SAFETY BARRIER

INTEGRA-pw combines a safety barrier for pedestrians and car in one system solution. Common protection in the form of a crash barrier or similar is therefore no longer required. If there is a crash, our system guarantees that the loads that occur will be relieved into the substructure provided by the customer.

System fasteners for screw mounting serve to relief impact loads referring to EN 1991-1-7 as well as arbour pressure of 1.5 kN/m in the steel construction. The System fasteners dispose of balance possibilities for tolerances.

TECHNICAL DATA

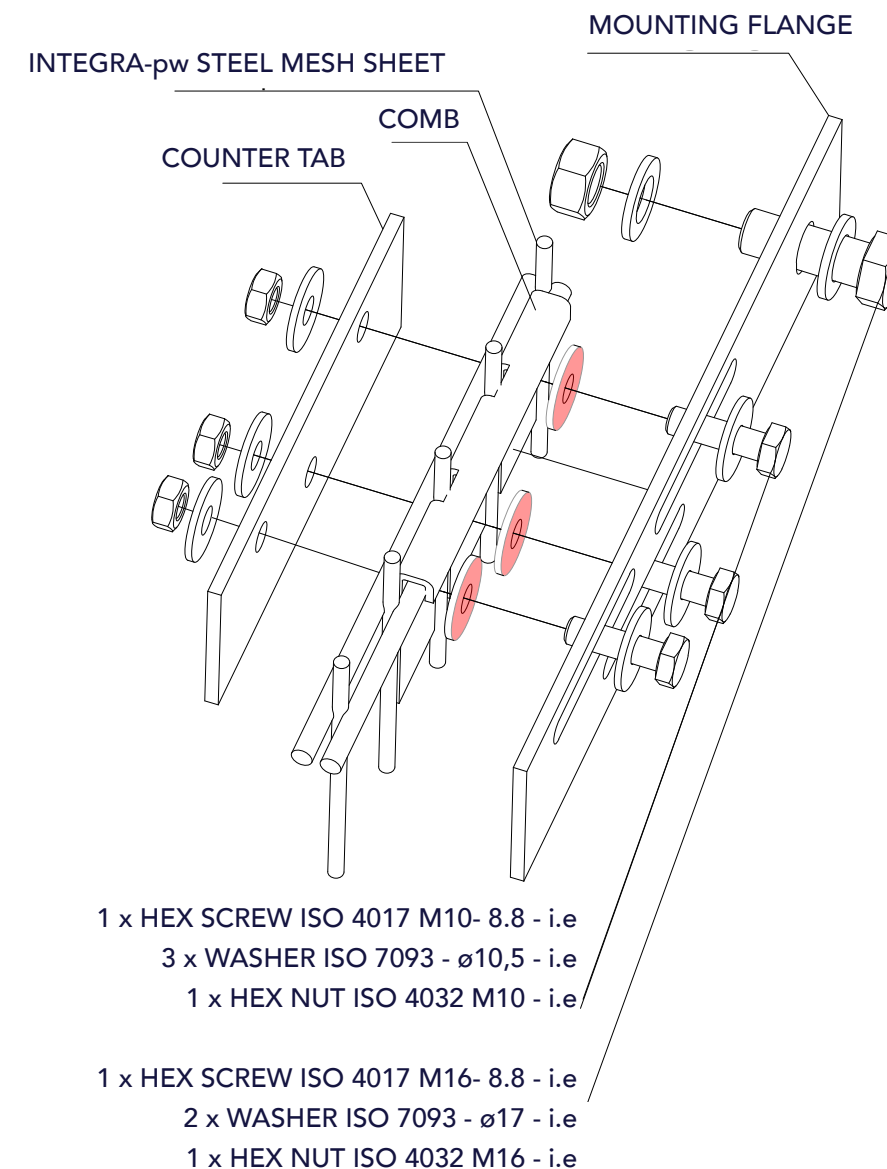
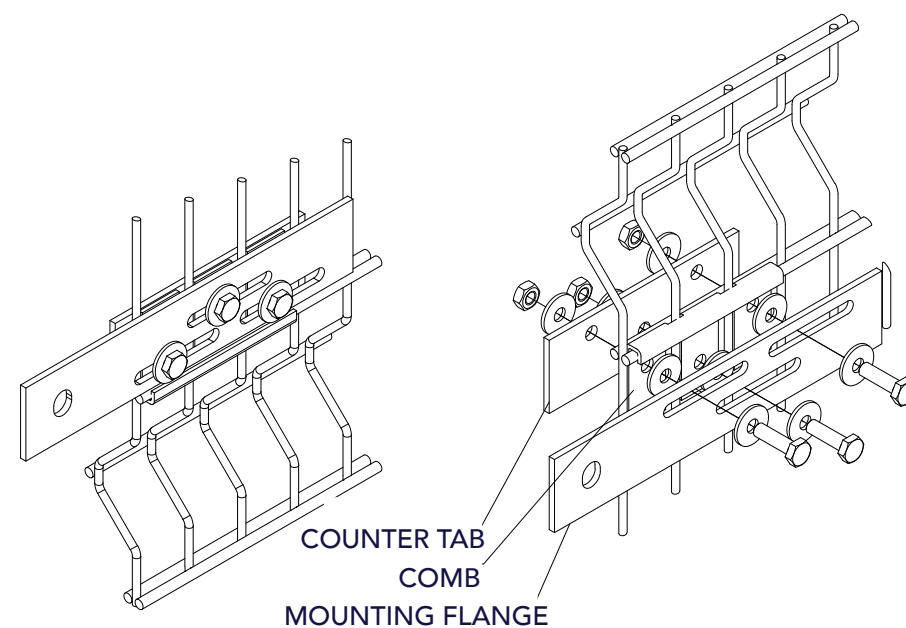
Length of the mounting flange: 310 mm and 360 mm by ramps

Tightening torques for screws:

M10 = 30 Nm

M16 = 100 Nm

During assembly, it is important to ensure that the tightening torques are applied using a calibrated torque wrench. Note that the numbers stamped on the nuts must remain visible even after fastening.



ADVANTAGES

- ☐ Car safety barrier and Pedestrian Fall Protection in one
- ☐ Easy mounting on site from inside
- ☐ Only 2 or 4 connection to side
- ☐ No connection, drillings and anker to the surface
- ☐ Easy maintainance
- ☐ General German Approval and Reports for whole Europe
- ☐ Userfriendly, forces will be absorb by fence with the deformation and not by car as by hardprofiles
- ☐ Opening more than 80% for brighter and ventilation free car park
- ☐ Unique: free span of max. 7806mm

COMPONENTS

COMPONENT FOR CLOSING/LOCKING

Use as a lock, protection against vandalism as well as a base for clodes green facades by the multiple stacked design without additional load requirements.

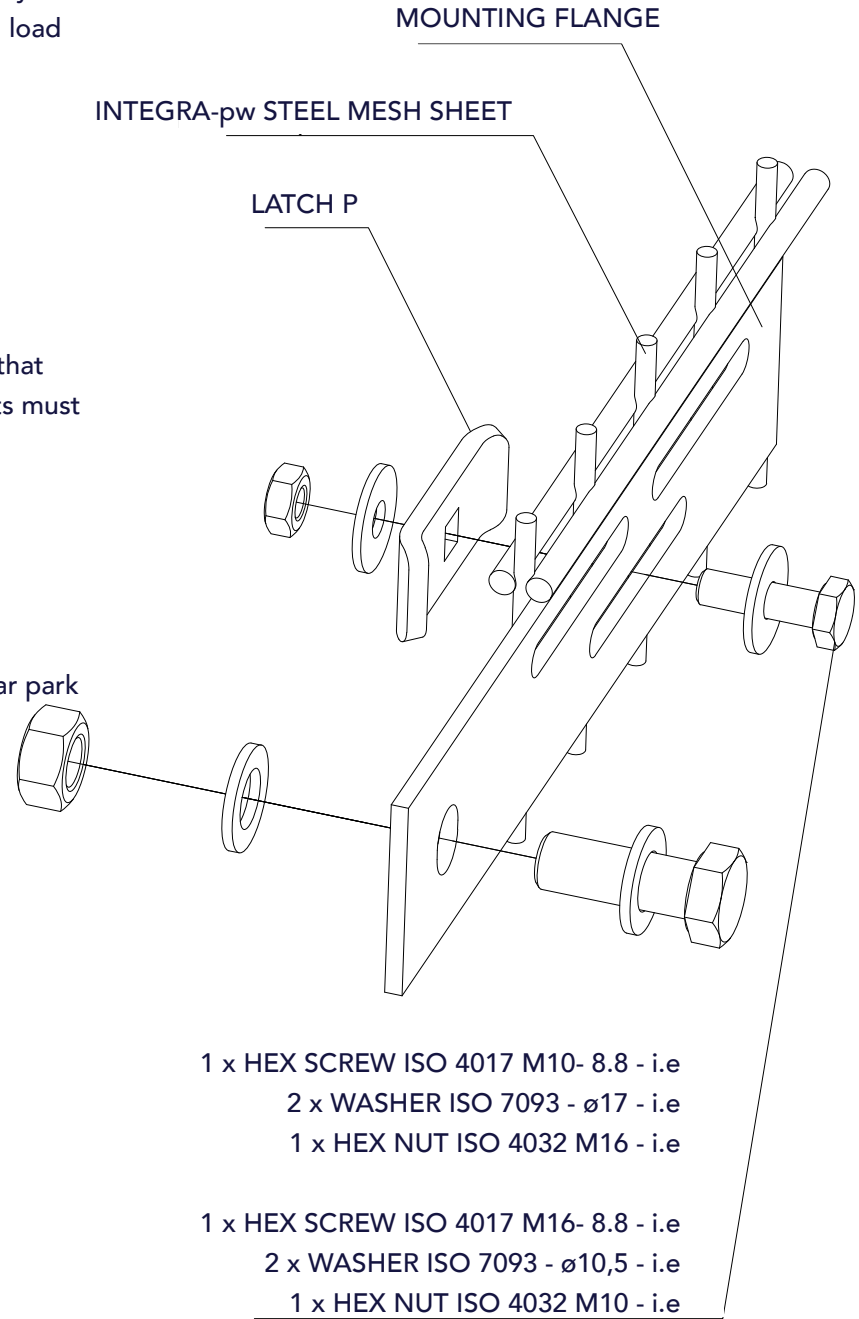
TECHNICAL DATA

Mounting flange:
310 mm or 360 mm

During assembly, it is important to ensure that the numbers stamped on the hardware nuts must remain visible even after fastening.

ADVANTAGES

- Storey-high facade cladding
- Burglary protection
- Avoidance of undesirable removal from car park
- Base for green facades



DRILL PATTERNS 943

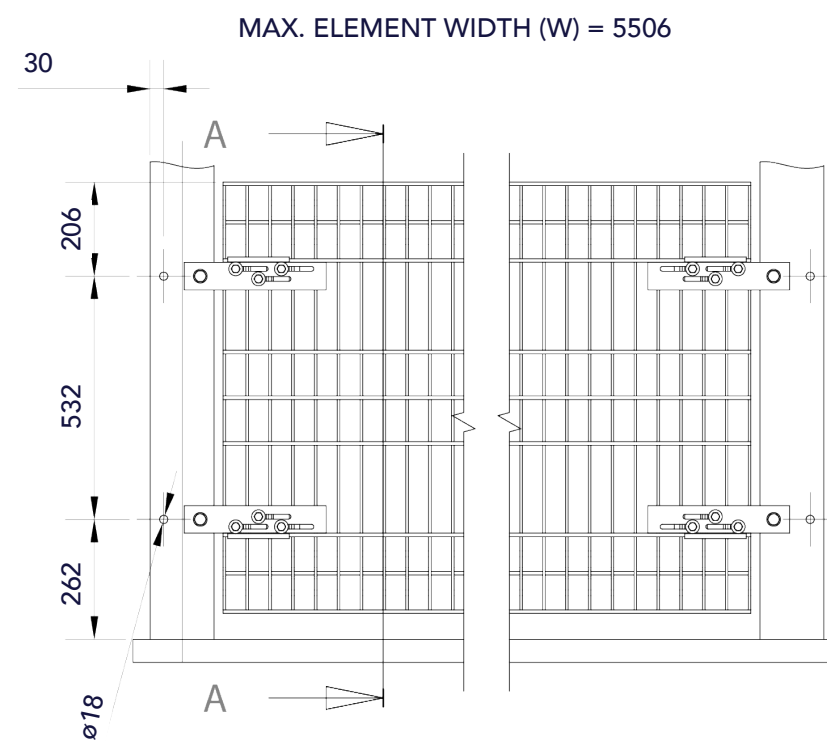
SYSTEM WITH 2 CONNECTIONS ON EITHER SIDE

DRILL TEMPLATE FOR SYSTEMS HEIGHT 1000 MM

At system heights of 1000 mm FFL

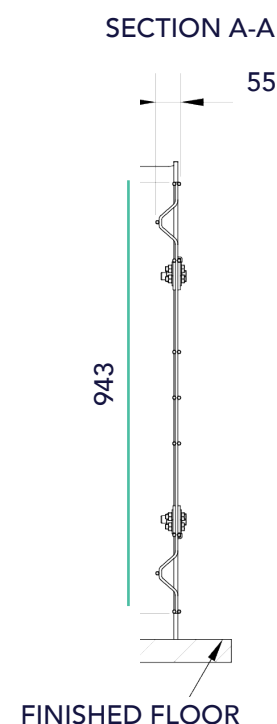
Edge spacing for $t \geq 8,5$ mm
e.g. HEA (IPBL) 140 S234JR

DRILL TEMPLATE FOR HORIZONTAL MAT LAYING OR INCLINES $<4\%$

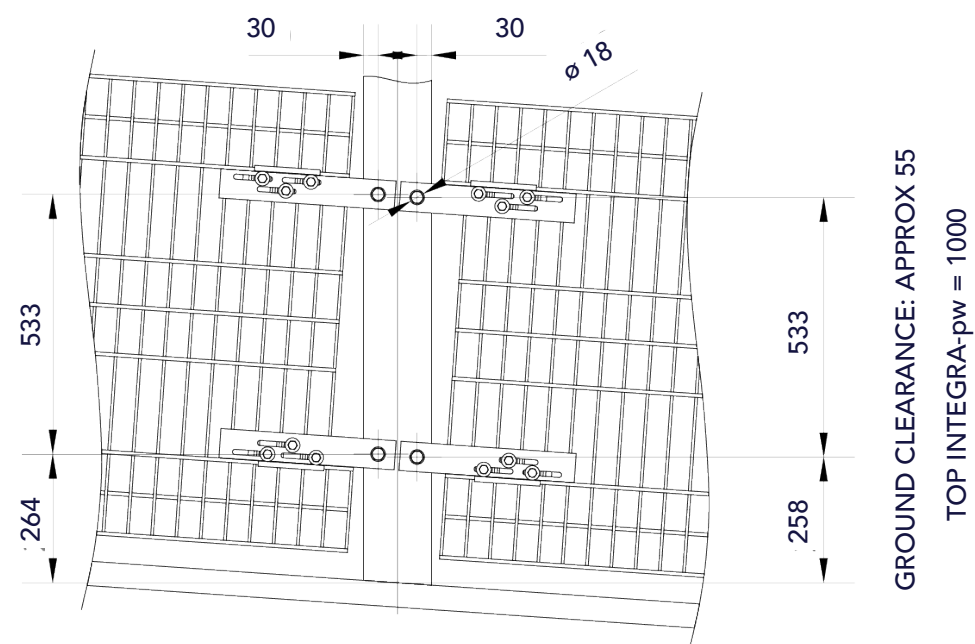


GROUND CLEARANCE: APPROX 57

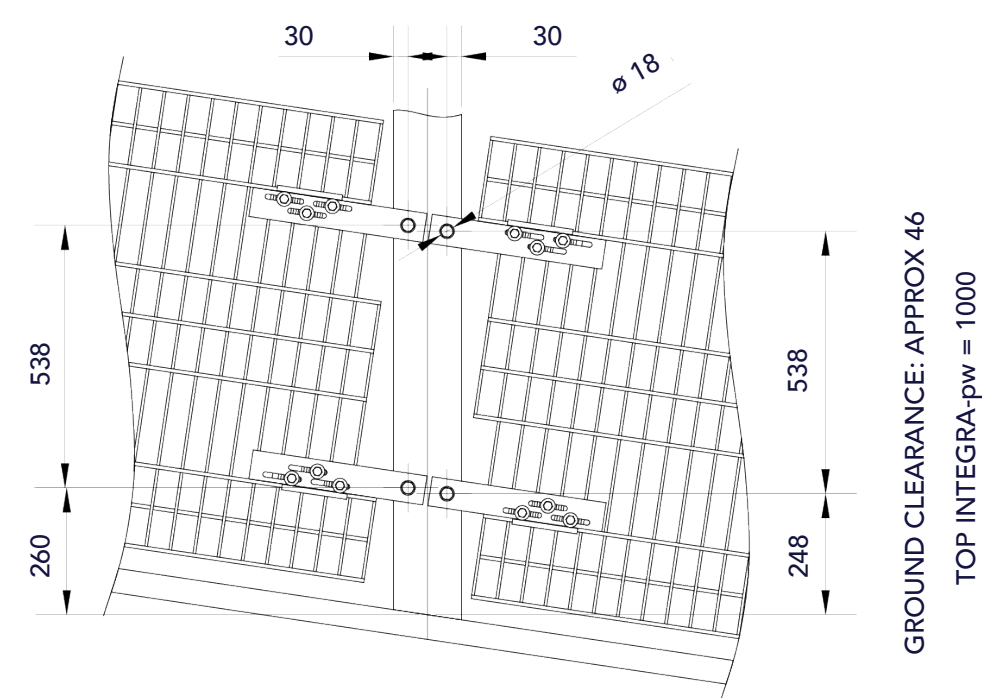
TOP INTEGRA-pw 943 = 1000



DRILL TEMPLATE FOR RAMP MATS - INCLINE $4-10\%$



DRILL TEMPLATE FOR RAMP MATS - INCLINE $10-16\%$



DRILL PATTERNS 943

SYSTEM WITH 4 CONNECTIONS ON EITHER SIDE

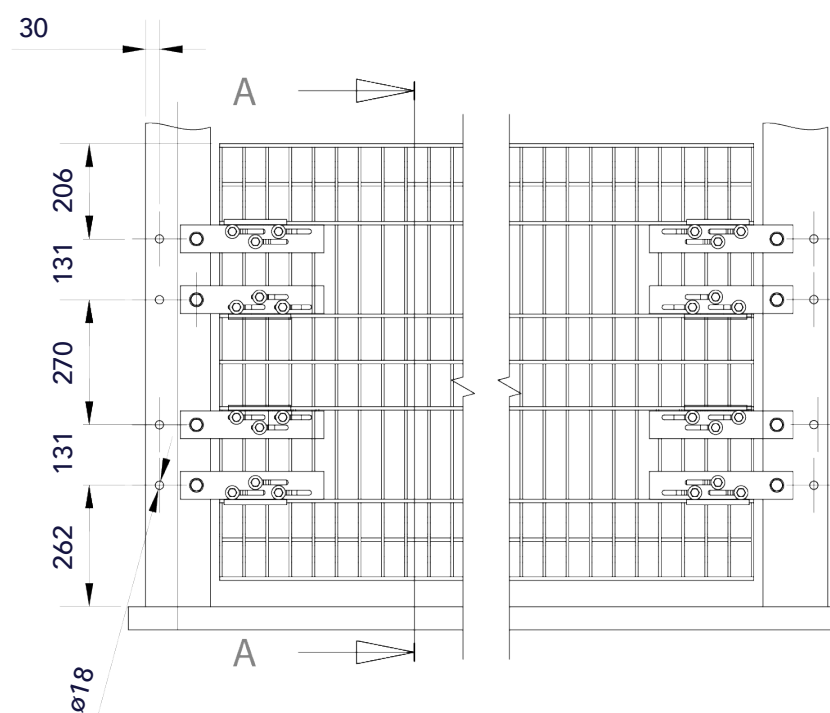
DRILL TEMPLATE FOR SYSTEMS HEIGHT 1000 MM

At system heights of 1000 mm FFL

Edge spacing for $d \geq 8.5$ mm
e.G. HEA (IPBL) 140 S234JR

DRILL TEMPLATE FOR HORIZONTAL MAT LAYING OR INCLINES $<4\%$

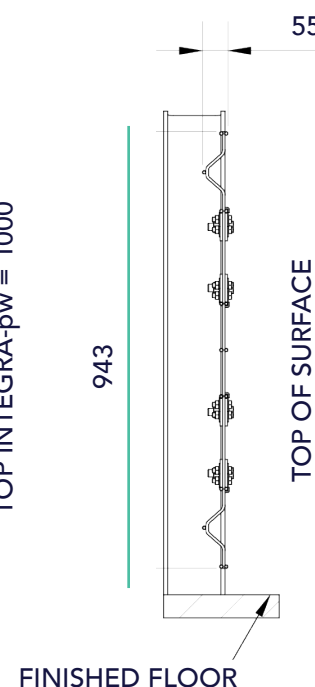
MAX. ELEMENT WIDTH (W) = 5506



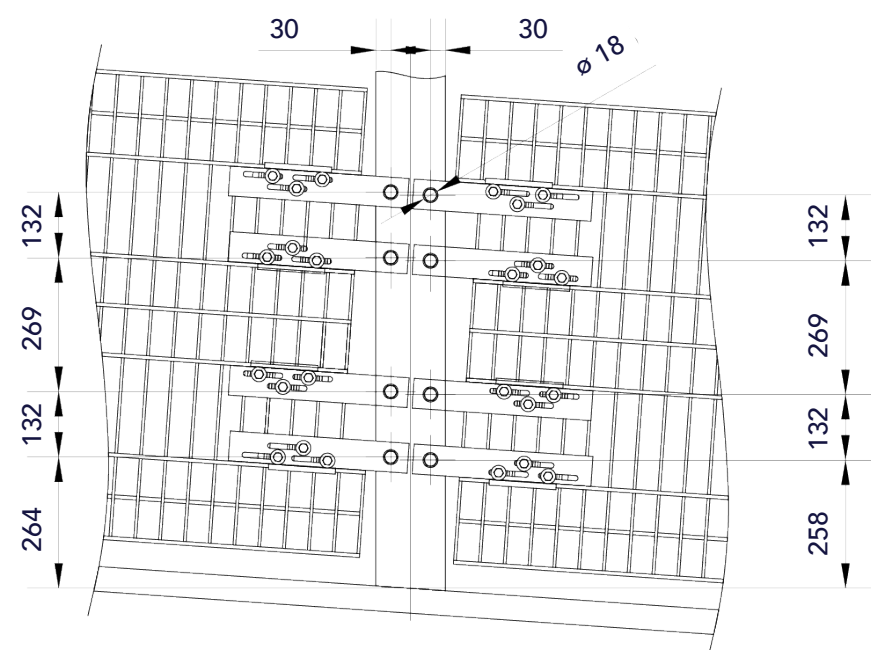
SECTION A-A

GROUND CLEARANCE: APPROX 57

TOP INTEGRA-pw = 1000



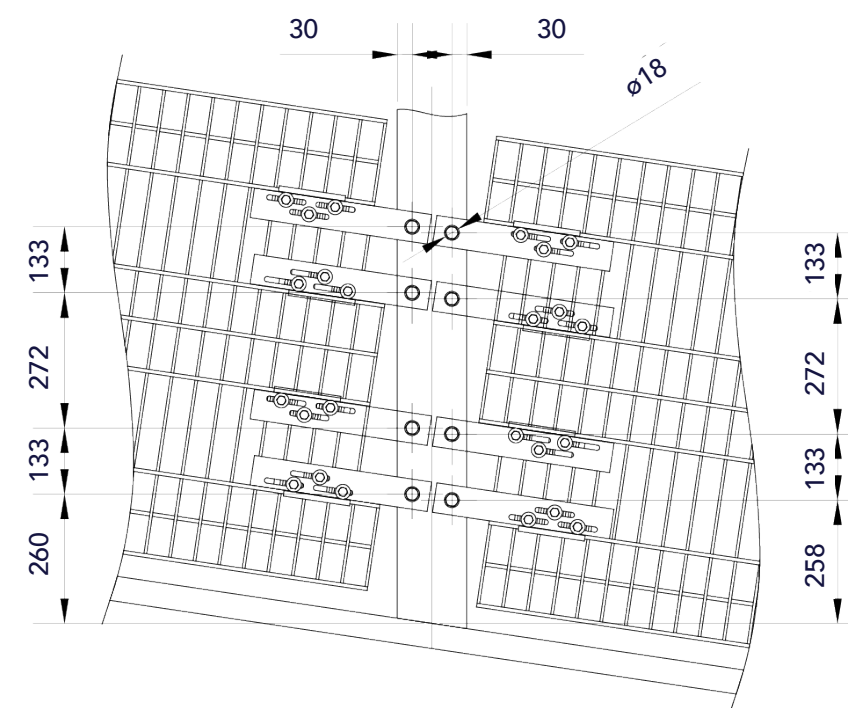
DRILL TEMPLATE FOR RAMP MATS - INCLINE $4-10\%$



GROUND CLEARANCE: APPROX 55

TOP INTEGRA-pw = 1000

DRILL TEMPLATE FOR RAMP MATS - INCLINE $10-16\%$



GROUND CLEARANCE: APPROX 46

TOP INTEGRA-pw = 1000

DRILL PATTERNS 1143

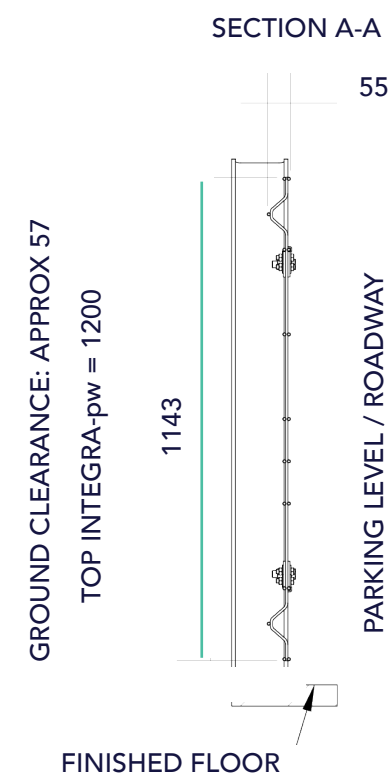
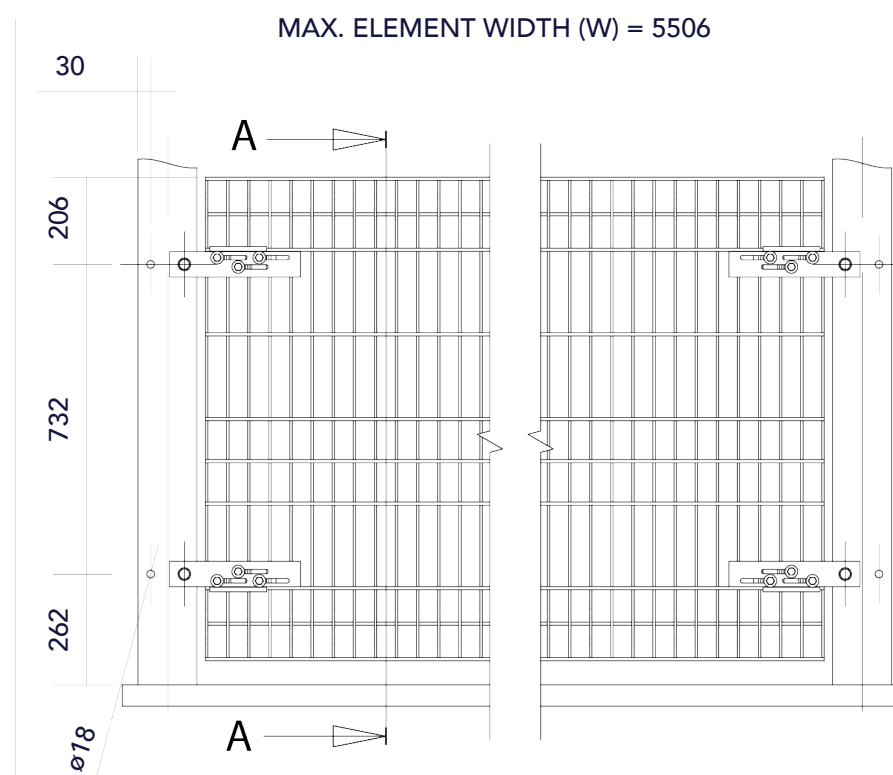
SYSTEM WITH 2 CONNECTIONS ON EITHER SIDE

DRILL TEMPLATE FOR SYSTEMS HEIGHT 1200 MM

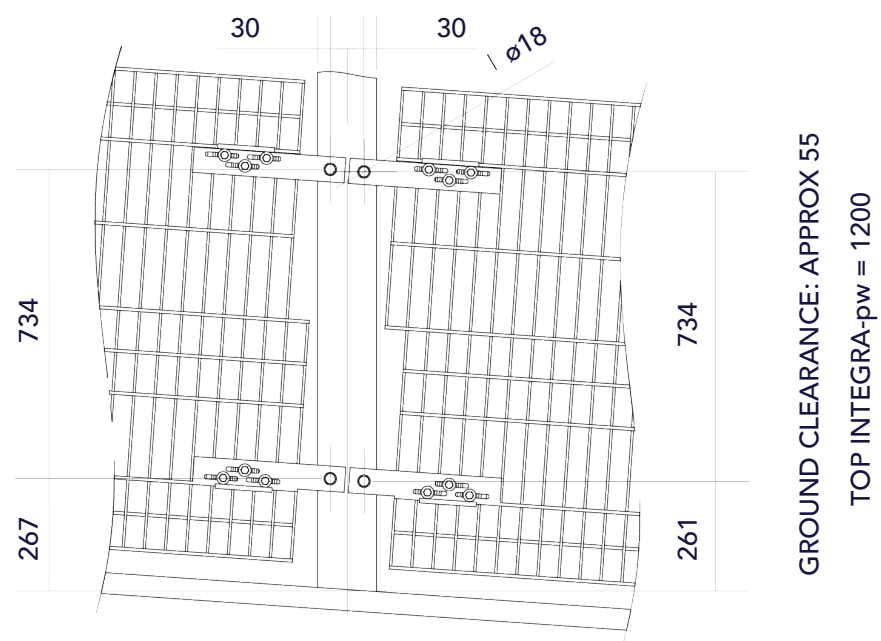
At system heights of 1200 mm FFL

Edge spacing for $d \geq 8.5$ mm
e.G. HEA (IPBL) 140 S234JR

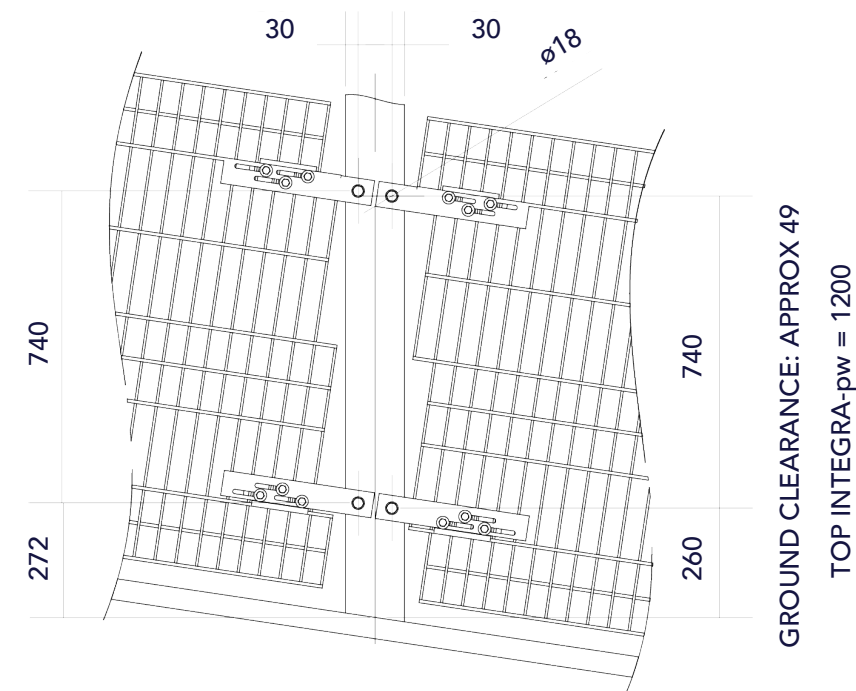
DRILL TEMPLATE FOR HORIZONTAL MAT LAYING OR INCLINES $<4\%$



DRILL TEMPLATE FOR RAMP MATS - INCLINE $4-10\%$



DRILL TEMPLATE FOR RAMP MATS - INCLINE $10-16\%$



DRILL PATTERNS 1143

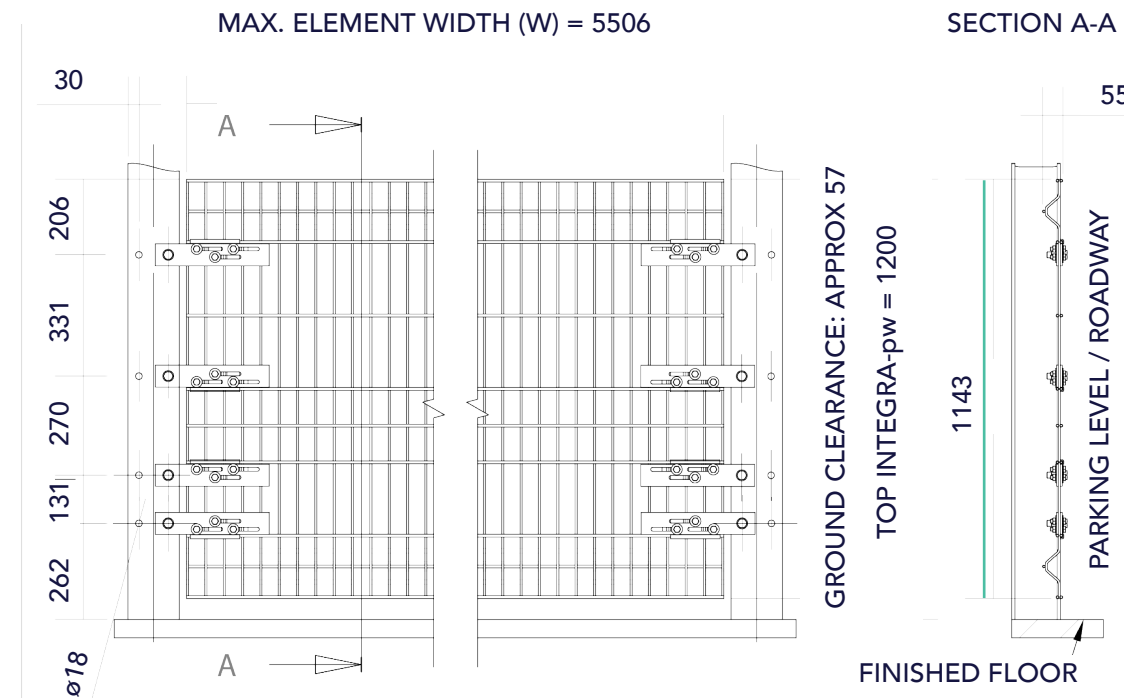
SYSTEM WITH 4 CONNECTIONS ON EITHER SIDE

DRILL TEMPLATE FOR SYSTEMS HEIGHT 1200 MM

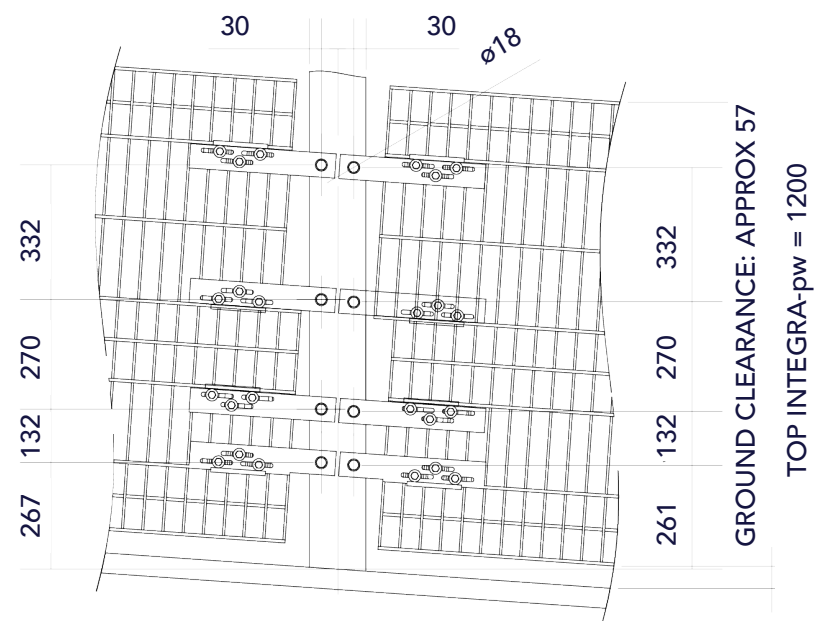
At system heights of 1200 mm FFL

Edge spacing for $d \geq 8.5$ mm
e.G. HEA (IPBL) 140 S234JR

DRILL TEMPLATE FOR HORIZONTAL MAT LAYING OR INCLINES $<4\%$



DRILL TEMPLATE FOR RAMP MATS - INCLINE $4-10\%$



DRILL TEMPLATE FOR RAMP MATS - INCLINE $10-16\%$





Nordisk Profil A/S

+45 45 166 100 | np@nordisk-profil.dk
Amaliegade 6 | 1256 Copenhagen | Denmark
www.nordisk-profil.dk

Nordisk Profil GmbH

+49 5254 94782-00 | info@nordisk-profil.de
Fohling 22 | 33106 Paderborn | Germany
www.nordisk-profil.de