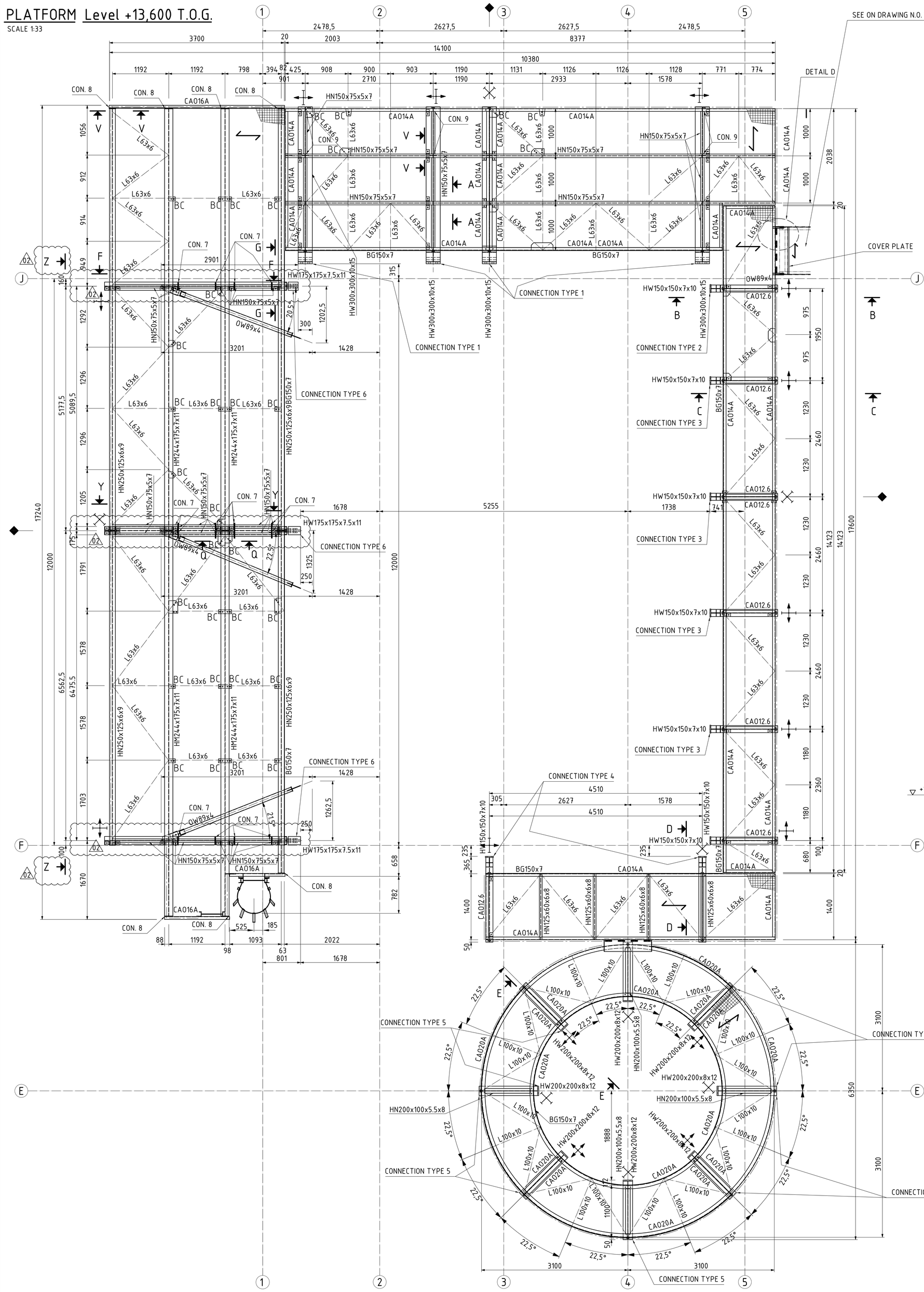
PLATFORM Level +13,600 T.O.G.

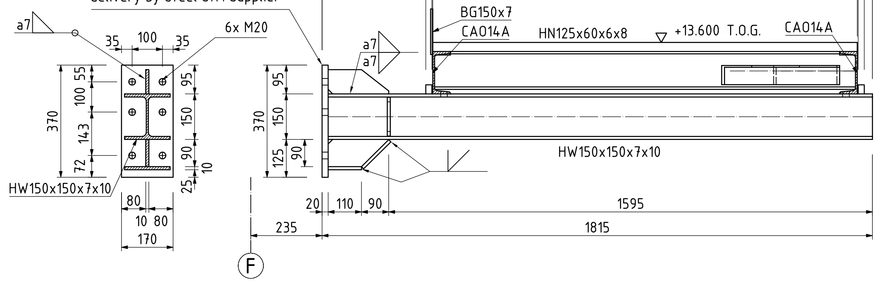
SCALE 1:33



SECTION D-D

SCALE 1:10

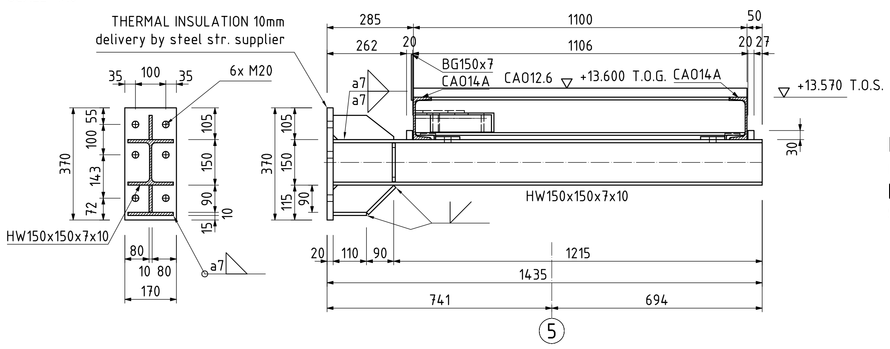
CONNECTION OF CANTILEVER - TYPE 4



SECTION C-C

SCALE 1:10

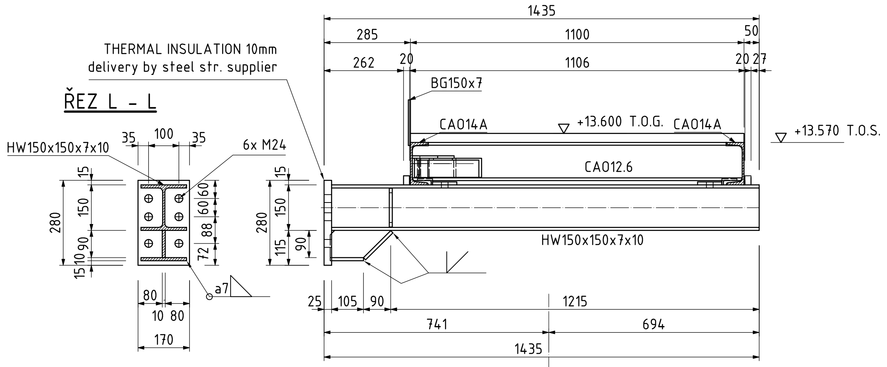
CONNECTION OF CANTILEVER - TYPE 3



SECTION B-B

SCALE 1:10

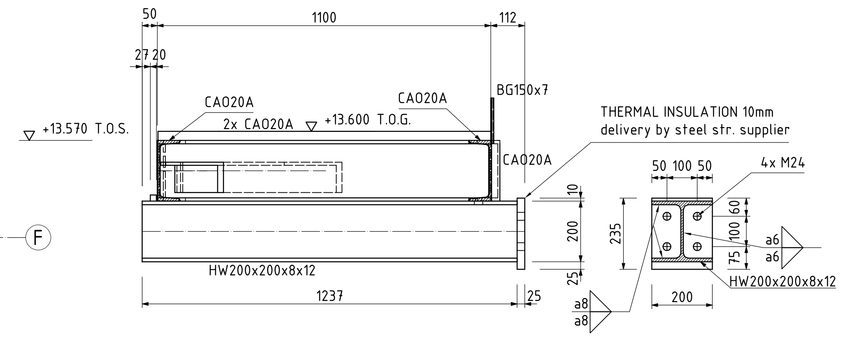
CONNECTION OF CANTILEVER - TYPE 2



SECTION E-E

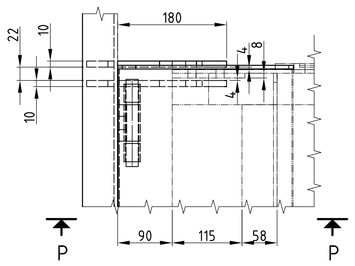
SCALE 1:10

CONNECTION OF CANTILEVER - TYPE 5



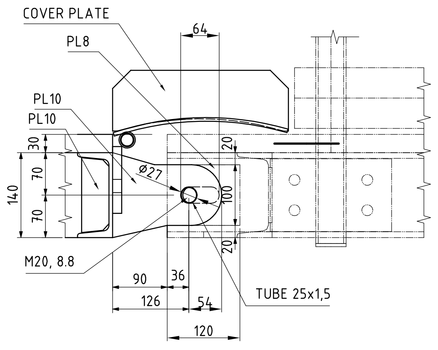
DETAIL D

SCALE 1:5



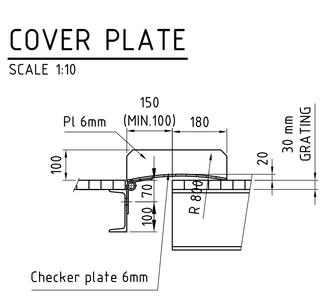
SECTION P-P

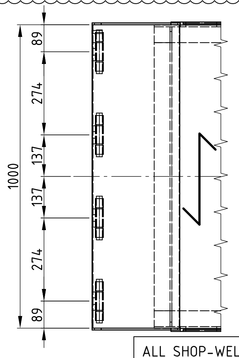
SCALE 1:5



COVER PLATE

SCALE 1:10



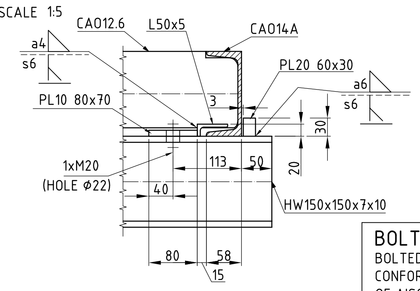


DETAIL OF SLIDING POINT FOR CONNECTION TYPE 5

ROUND HOLES ⌀30mm IN CANTILEVER FOR SLIDING POINT

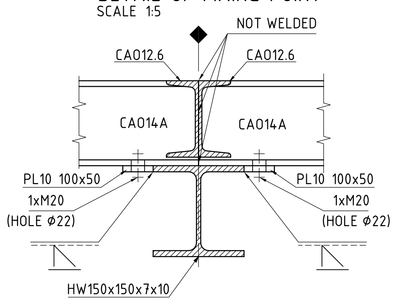
DETAIL OF SLIDING POINT FOR CONNECTION TYPE 1-4,6

SCALE 1:5



DETAIL OF FIXING POINT

SCALE 1:5



REFERENCE DRAWINGS		
	DRAWING No.	TITLE
I.	79428 DW-K00-110-A0	PLATFORMS - AXONOMETRY
II.	79428 DW-K00-111-A0	PLATFORMS - VIEW X
III.	79428 DW-K00-112-A0	PLATFORMS - VIEW Y
IV.	79428 DW-K00-104-A0	STAIRTOWER - PLATFORMS p.2 + DET.
V.	79428 DW-K00-105-A0	DESIGN FOR HANDRAILING AND STAIRS
VI.	79428 DW-K00-116-A0	PLATFORM + 13.600 - DETAILS 1
VII.	79428 DW-K00-128-A0	PLATFORM + 13.600 - DETAILS 2

ALL SHOP-WELDS IN THIS DRAWING ACCORDING TO DIN EN ISO 2553
a◺ , ▽ , s ||
UNLESS OTHERWISE SPECIFIED

GENERAL TOLERANCES FOR WELDED CONSTRUCTIONS ACCURACY TO DIN EN ISO 13920 DEGREE OF ACCURACY "B,F"
WELDS AS PER DIN EN ISO 5817.
CLASS OF WELD QUALITY: C .

ADMISSIBLE DIMENSIONAL DIFFERENCES DEGREE TOLERANCES ARE NOT SPECIFIED AS PER DIN ISO 2768
DEGREE OF ACCURACY m, K.

MATERIAL	EURO CODE	US/CHINA
PLATE	S235JR	Q235B
PROFILE	S235JR	Q235B
TUBE	S235JR	Q235B

PREPARATION OF WELDING JOINTS ACCORDING TO DIN EN ISO 9692

BOLTED CONNECTIONS:
BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AISC MANUAL OF STEEL CONSTRUCTION AND TO NORMS FOR BOLTS, NUTS, WASHERS ETC.

GRATINGS:
GRATINGS - SEE SKETCH OF GRATINGS ACCORDING TO DIN 24537-1 OR CORRESPONDING EQUIVALENT. GRATING HAS TO BE MECHANICALLY SECURED TO SUPPORT MEMBER'S FASTENERS TO BE APPROVED BY OWNER.

NOTE:
THE DETAIL DRAWINGS OF STEEL STRUCTURE HAS TO BE VERIFY BY STATIC CALCULATION!
ALL CONNECTING ELEMENTS WITHOUT DIMENSIONS (GUSSET PLATES; NUTS; RIBS) ARE INFORMATORY HERE ONLY.

NOTE:
CONNECTING COMPONENTS (BOLTS, NUTS, GRATE ETC.) - HOT GALVANIZED.
BOLTS, NUTS, PINS - MINIMAL STRENGHT CLASS 8.8

ASSEMBLY POINT
SLIDING POINT
FIXING POINT

T.O.S. - TOP OF STEEL
T.O.G. - TOP OF GRATE
BC - BOLTED CONNECTION

NOTE:
Handrailing and stairs are designed by drawing 79428 DW-C00-105-A0 Handrailing and stairs

For all undefined welds
a=0,7xS
a=0,7xS

CONNECTION OF SHAPES
- ARTICULATED JOINT
- FIXED

CORROSION PROTECTION, PAINTING AND GALVANIZATION
according to Technical Specification TS-K00-120-A4

Stair case, platforms, steps and gratings:
Surface preparation 2,5 SA sandblasting
Coating Hot dip galvanizing

Railing
Surface preparation 2,5 SA sandblasting
Prime coat 100µm NEOPLAST SF 30 (dry film thickness)
Final coat 80µm SF 11 / 12 (dry film thikness)
RAL 1034 Pastel yellow

The fabricator shall consider the shrinkage of plates during welding procedure.
The erection company shall consider the shrinkage of plates during filed welding procedure.

Built-Up members
Commercial rolled steel beams of adequate size are preferred over Built-up members in construction of steel structures. If Built-up members are used, consisting of splicing a series of plates or welding cover plates to the flanges, the welds shall be designed and proportioned to resist the bending and shear stresses in the flanges. The welds shall not be discontinuous in the loads areas, shall comply with the design documentation, and shall be made in workshops by qualified welders and all inspected visually and with NDT.
For best practice in the design and usage of Built-up members of all types, refer to the recommendations of American Institute for Steel Construction, Specifications for Structural Steel Buildings 360.

MATERIAL	EURO CODE	CHINA	m (m2)
BG150x7	S235JR	Q235B	52,8
CA012.6	S235JR	Q235B	9,1
CA014.A	S235JR	Q235B	81,2
CA016A	S235JR	Q235B	4,2
CA020A	S235JR	Q235B	40,8
HM244x175x7x11	S235JR	Q235B	34,3
HN125x60x6x8	S235JR	Q235B	5,6
HN150x75x5x7	S235JR	Q235B	47,9
HN200x100x5.5x8	S235JR	Q235B	4,4
HN250x125x6x9	S235JR	Q235B	31,9
HW150x150x7x10	S235JR	Q235B	12,1
HW175x175x7.5x11	S235JR	Q235B	11,8
HW200x200x8x12	S235JR	Q235B	9,9
HW300x300x10x15	S235JR	Q235B	12,4
KR20	S235JR	Q235B	1,2
L50x5	S235JR	Q235B	3,0
L63x6	S235JR	Q235B	96,4
L100x10	S235JR	Q235B	30,4
OW32x3	S235JR	Q235B	61,7
OW50x4	S235JR	Q235B	223,9
OW89x4	S235JR	Q235B	8,4
OW140x6	S235JR	Q235B	10,3
PL100x6	S235JR	Q235B	76,0
TR26.9x2.3	S235JR	Q235B	1,0
× PLATE 6mm	S235JR	Q235B	0,7 m2
× PLATE 8mm	S235JR	Q235B	1,1 m2
× PLATE 10mm	S235JR	Q235B	4,6 m2
× PLATE 12mm	S235JR	Q235B	0,5 m2
× PLATE 15mm	S235JR	Q235B	0,7 m2
× PLATE 20mm	S235JR	Q235B	0,9 m2
× PLATE 25mm	S235JR	Q235B	0,9 m2
× PLATE 30mm	S235JR	Q235B	0,1 m2
× PLATE 35mm	S235JR	Q235B	0,1 m2
× PLATE 40mm	S235JR	Q235B	1,2 m2

× ONLY INDICATIVE BECAUSE DRAWING DOES NOT INCLUDE DETAIL DESIGN

GROSS WEIGHT: 13.100 kg (incl. Handrailing; without Steps and Grating)

READ THIS DRAWING WITH: 79428 DW-K00-110-A0, 79428 DW-K00-111-A0 79428 DW-K00-112-A0, 79428 DW-K00-104-A0, 79428 DW-K00-128-A0 79428 DW-K00-105-A0, 79428 DW-K00-116-A0