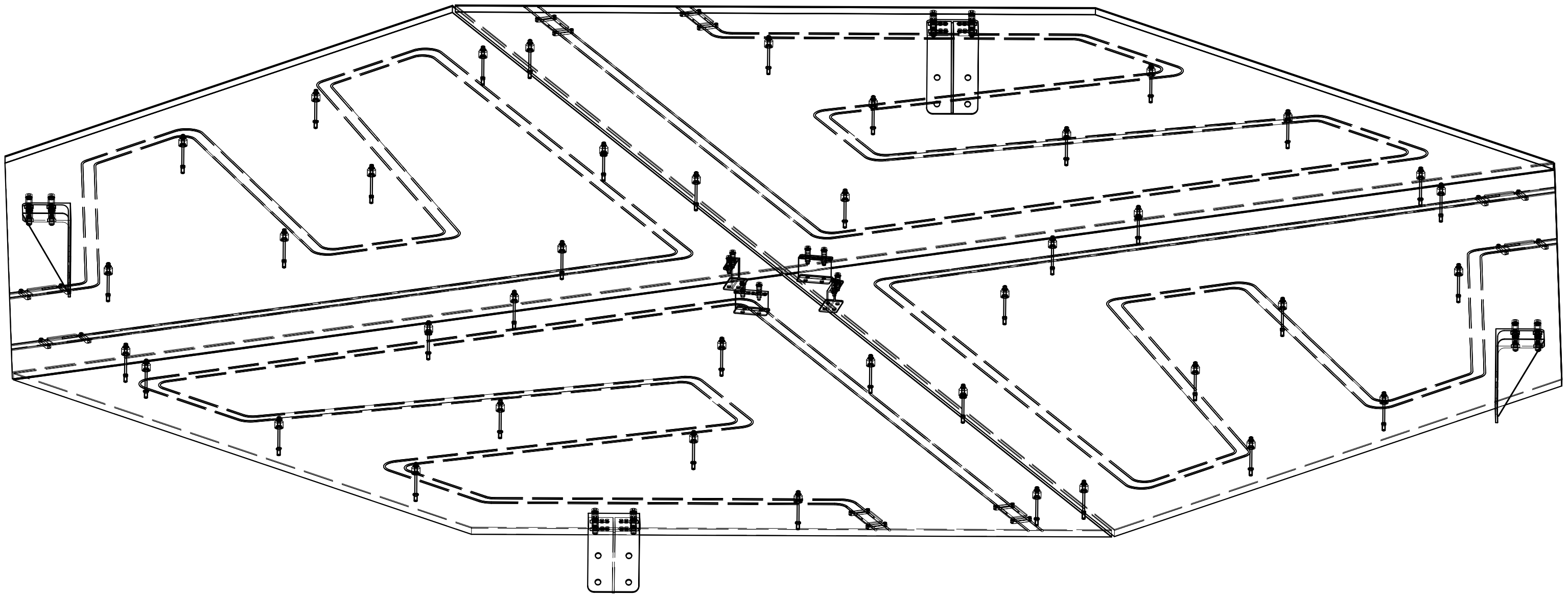
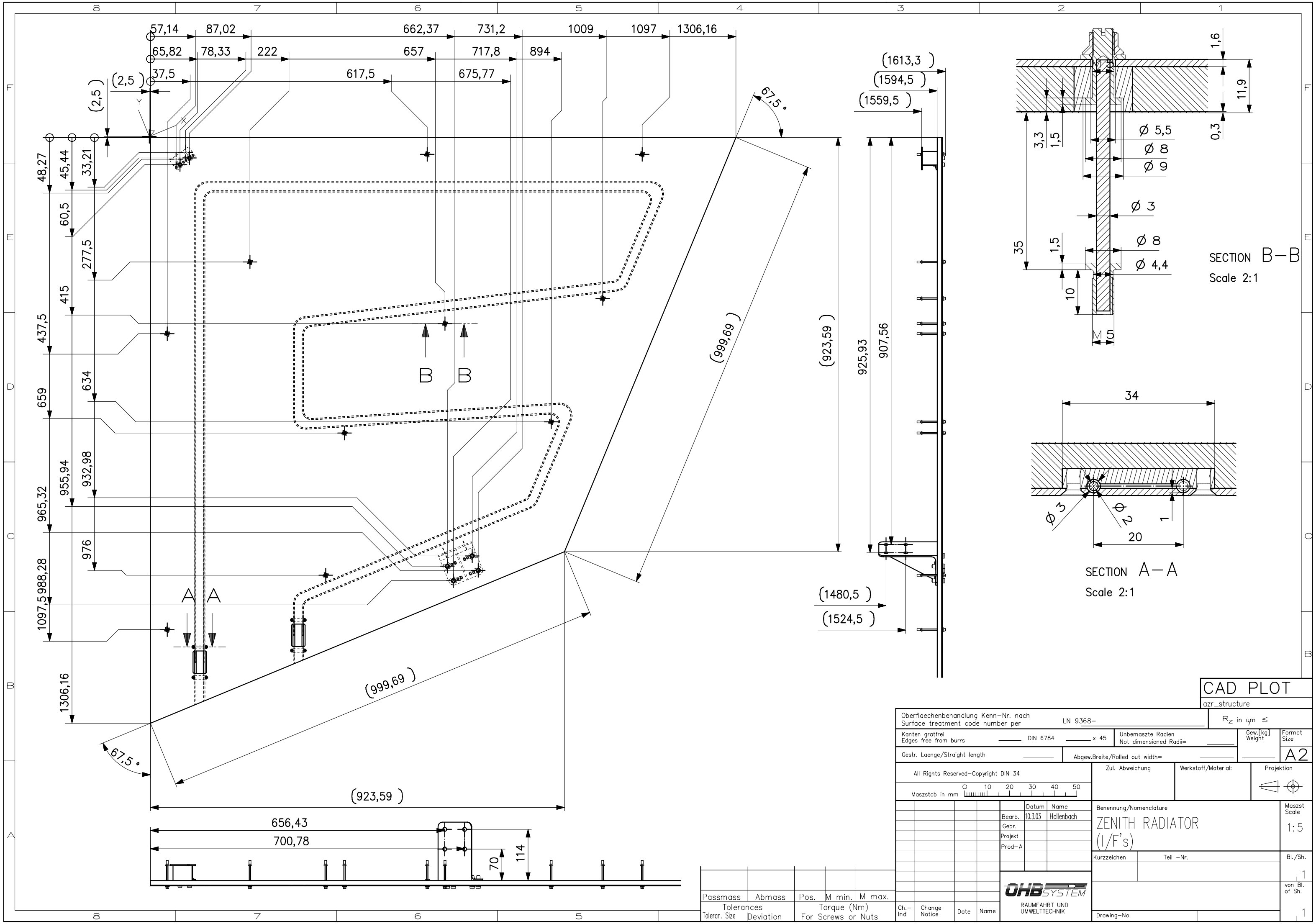




CAD PLOT

azr_structure

Oberflaechenbehandlung Kenn–Nr. nach
Surface treatment code number per LN 9368–

R_z in µm ≤

Kanten gratfrei
Edges free from burrs DIN 6784 x 45

Unbemaszte Radien
Not dimensioned Radii=

Gew.[kg] Weight

Format Size A2

Gestr. Laenge/Straight length

Abgew.Breite/Rolled out width=

All Rights Reserved–Copyright DIN 34

Maszstab in mm 0 10 20 30 40 50

Zul. Abweichung

Werkstoff/Material:

Projektion

	Datum	Name
Bearb.	10.3.03	Hollenbach
Gepr.		
Projekt		
Prod–A		

Benennung/Nomenclature

ZENITH RADIATOR (I/F's)

Maszst Scale 1:5

Kurzzeichen

Teil –Nr.

Bl./Sh. 1

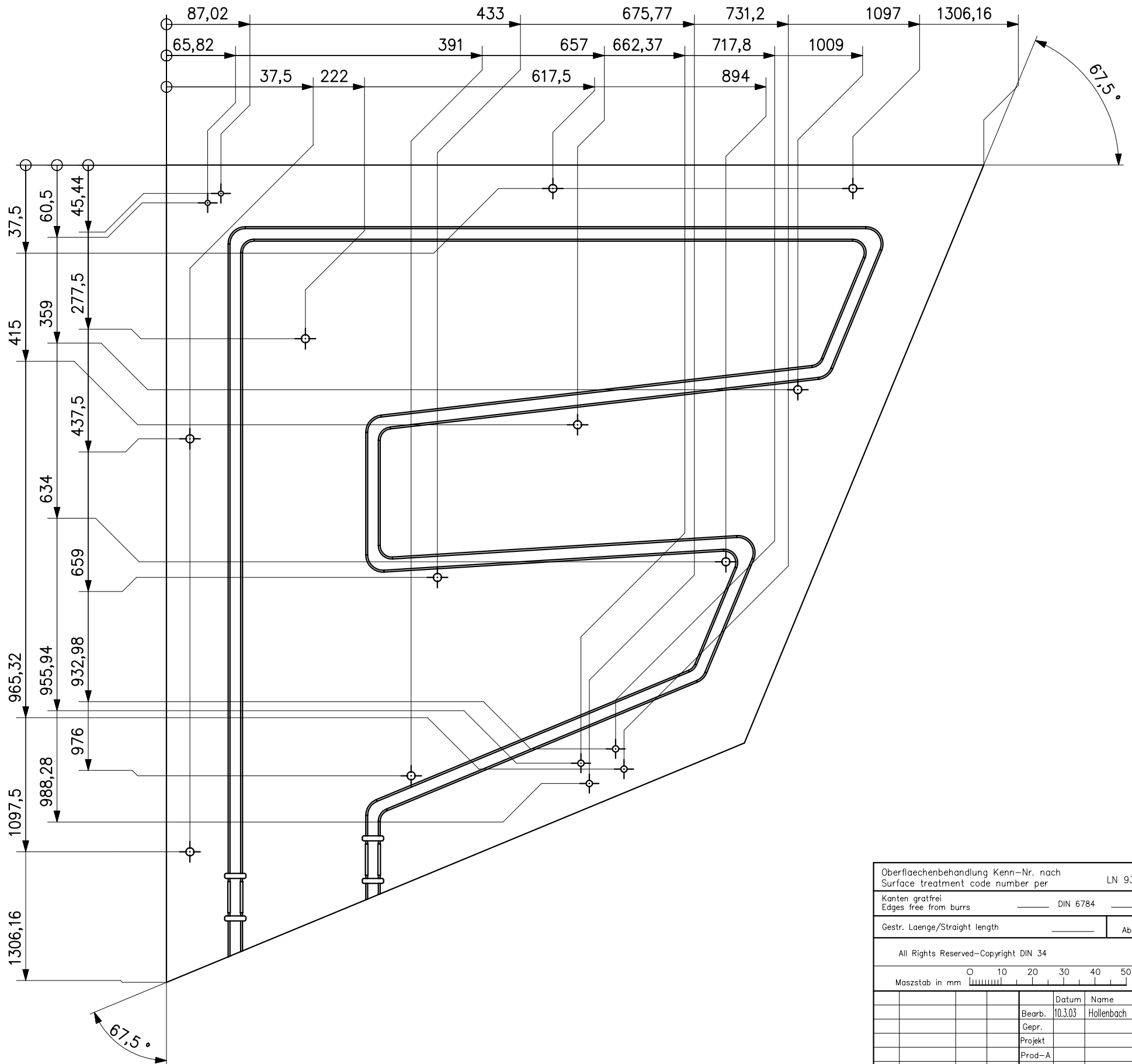
von Bl. of Sh. 1

Drawing–No.

Passmass	Abmass	Pos.	M min.	M max.
Tolerances		Torque (Nm)		
Toleran. Size	Deviation	For Screws or Nuts		

Ch.–Ind	Change Notice	Date	Name

OHB SYSTEM
RAUMFAHRT UND UMWELTTECHNIK



CAD PLOT

azr_sw_honeycomb

Oberflaechenbehandlung Kenn-Nr. nach Surface treatment code number per LN 9368-

R_z in µm ≤

Kanten gratfrei Edges free from burrs ____ DIN 6784 ____ x 45

Unbemaszte Radien Not dimensioned Radii= ____

Gew.[kg] Weight

Format Size A2

Gestr. Laenge/Straight length ____

Abgew.Breite/Rolled out width= ____

All Rights Reserved-Copyright DIN 34

Zul. Abweichung

Werkstoff/Material:

Projektion

Maszstab in mm 0 10 20 30 40 50

	Datum	Name
Bearb.	10.3.03	Hollenbach
Gepr.		
Projekt		
Prod-A		

Benennung/Nomenclature

AZR SANDWICH CORE
Contour and Hole Pattern

Maszst Scale 1:5

Kurzzeichen | Teil -Nr.

Bl./Sh. 1

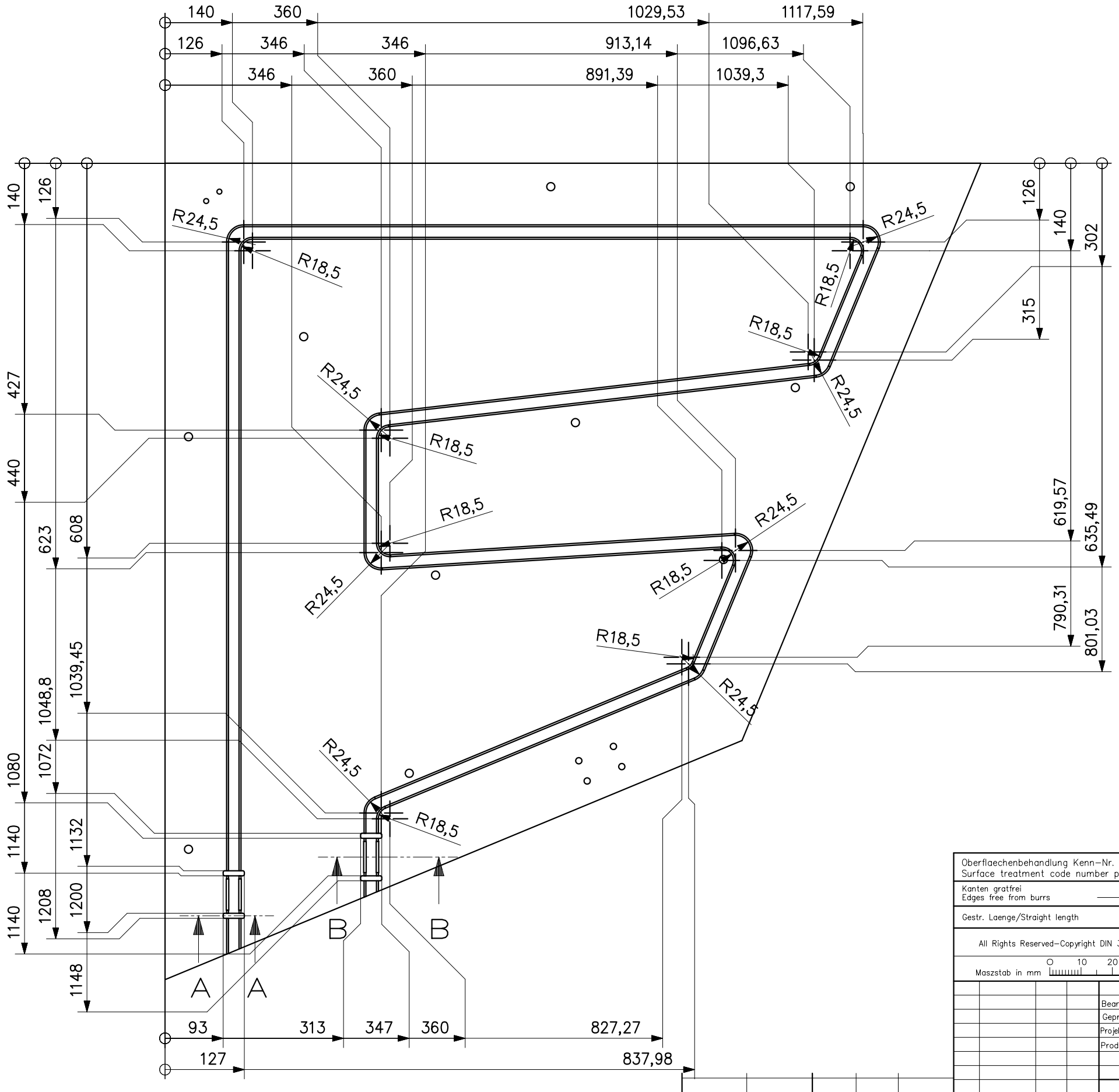
von Bl. of Sh. 2

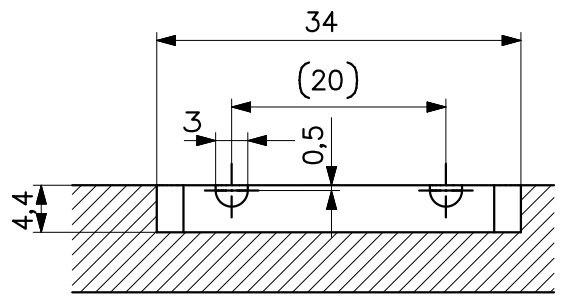
OHB SYSTEM
RAUMFAHRT UND UMWELTTECHNIK

Drawing-No.

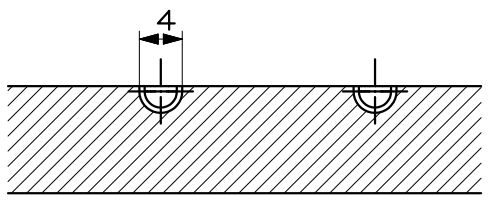
Passmass	Abmass	Pos.	M min.	M max.
Tolerances Toleran. Size	Deviation	Torque (Nm) For Screws or Nuts		

Ch.-Ind	Change Notice	Date	Name





SECTION A–A
Scale 2:1



SECTION B–B
Scale 2:1

CAD PLOT
azr_sw_honeycomb

Oberflaechenbehandlung Kenn–Nr. nach Surface treatment code number per LN 9368–
R_z in µm ≤
Kanten gratfrei Edges free from burrs ____ DIN 6784 ____ x 45
Unbemaszte Radien Not dimensioned Radii= ____
Gestr. Laenge/Straight length ____
Abgew.Breite/Rolled out width= ____
Gew.[kg] Weight ____
Format Size A2
All Rights Reserved–Copyright DIN 34
Zul. Abweichung
Werkstoff/Material:
Projektion
Maszstab in mm 0 10 20 30 40 50

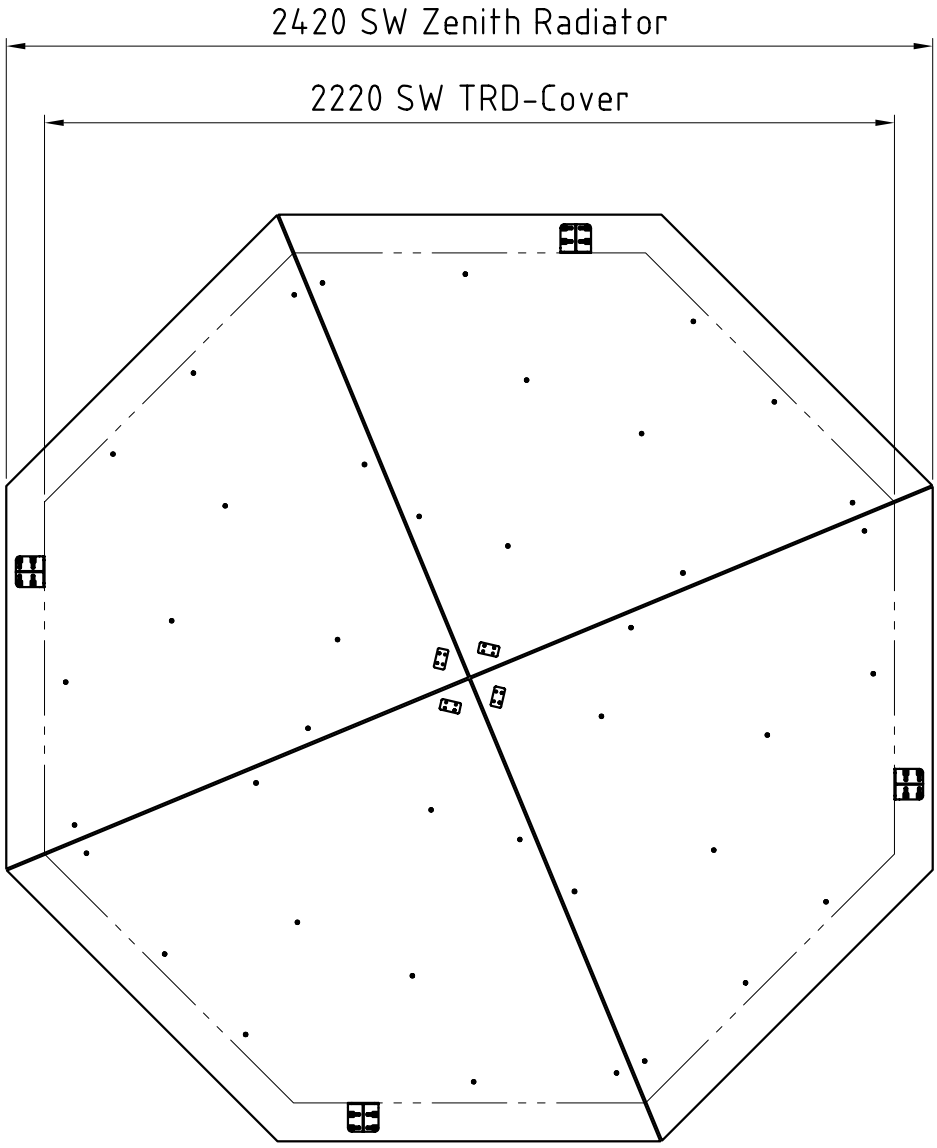
	Datum	Name
Bearb.	10.3.03	Hollenbach
Gepr.		
Projekt		
Prod–A		

Benennung/Nomenclature
AZR SANDWICH CORE
Pipe Grooves and Pockets
Maszst Scale 1:5
Kurzzeichen Teil –Nr.
Bl./Sh. 2
von Bl. of Sh. 2
Drawing–No.

OHB SYSTEM
RAUMFAHRT UND UMWELTTECHNIK

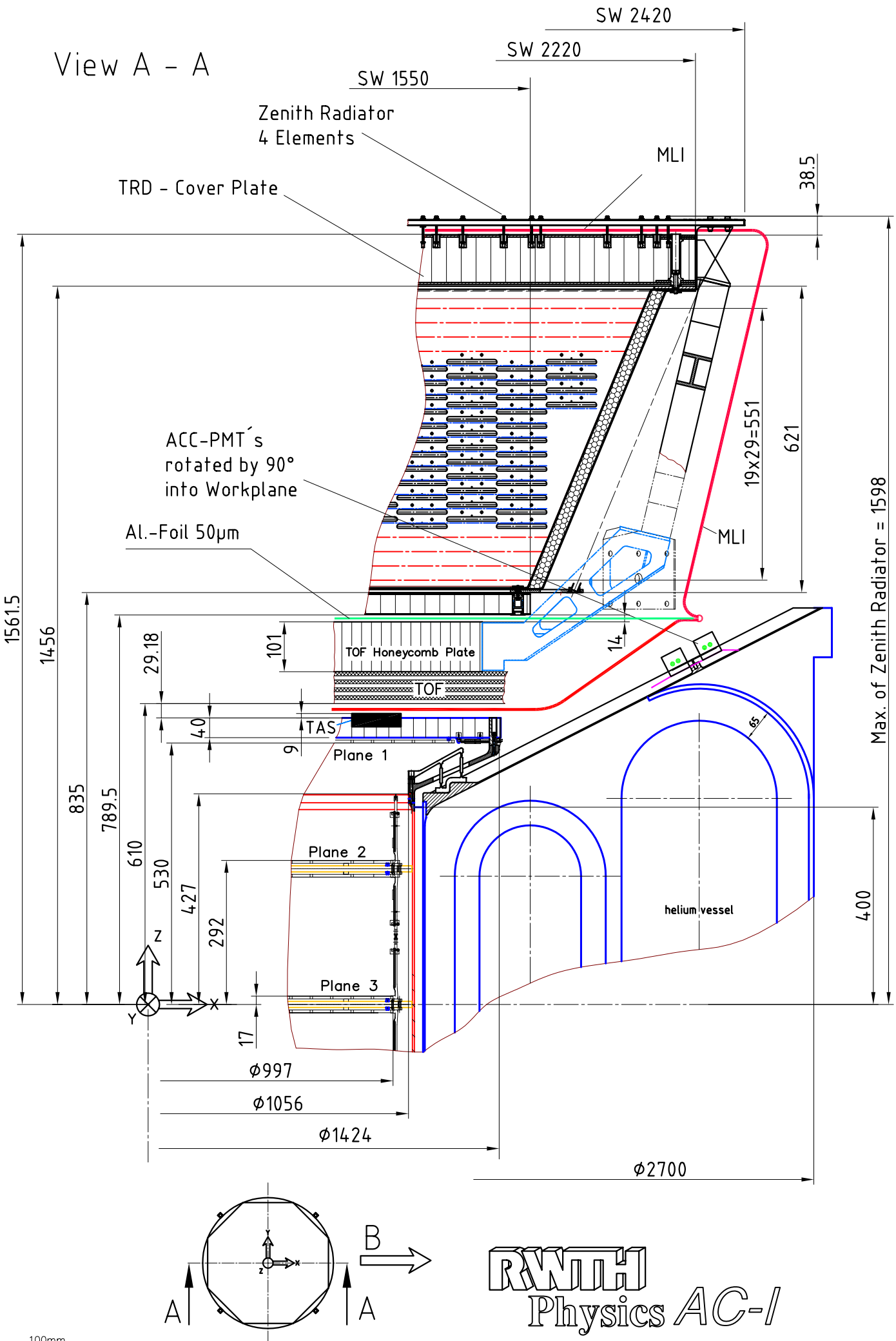
Passmass	Abmass	Pos.	M min.	M max.
Tolerances		Torque (Nm)		
Toleran. Size	Deviation	For Screws or Nuts		

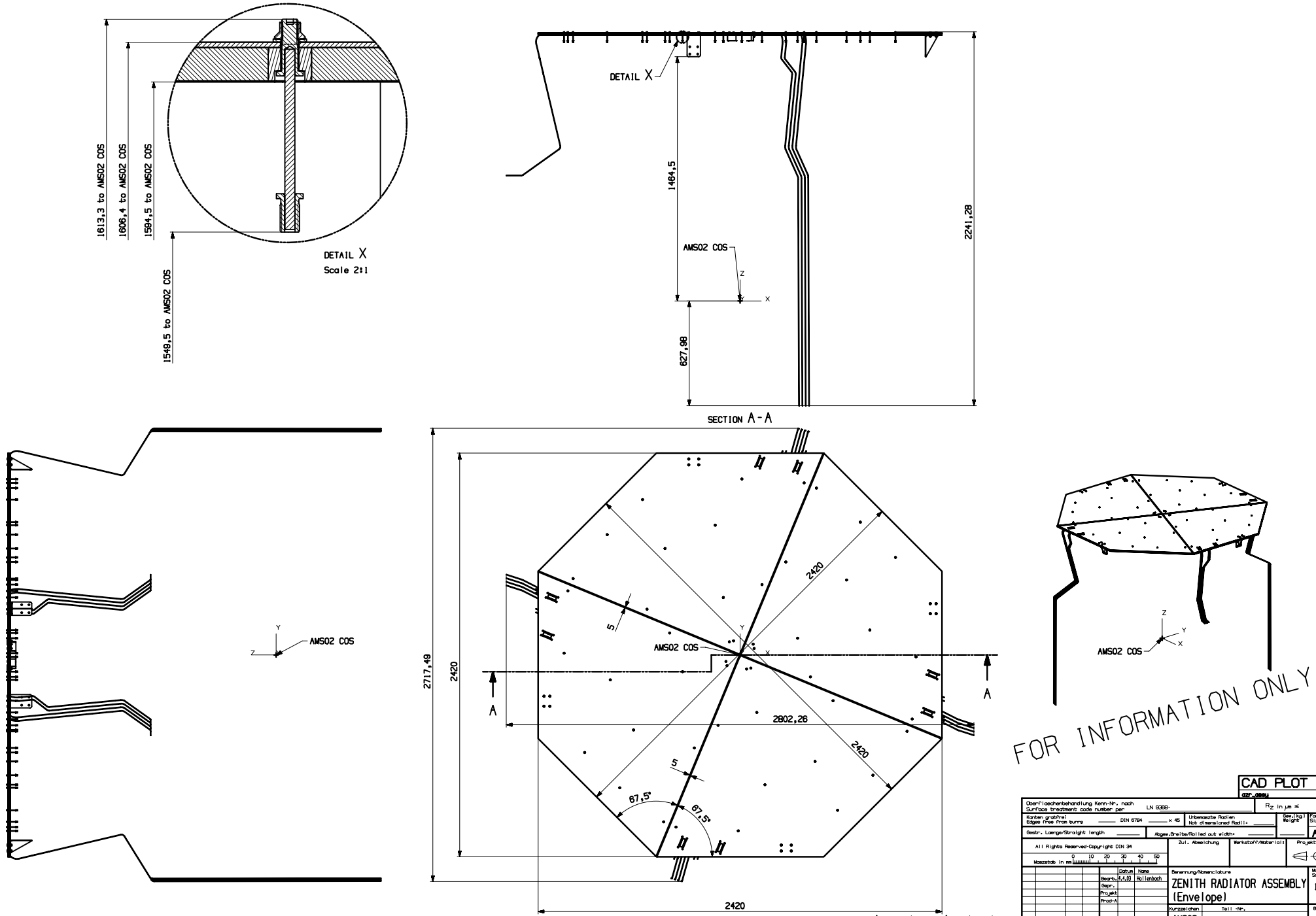
Ch.–Ind	Change Notice	Date	Name



RWTH Physics AC-I

ams03–1017 18.03.2003


View A - A
SW 2420
SW 2220
SW 1550
Zenith Radiator
4 Elements
MLI
TRD - Cover Plate
38.5
ACC-PMT´s
rotated by 90°
into Workplane
Al.-Foil 50µm
19x29=551
621
MLI
1561.5
1456
835
789.5
610
530
427
292
29.18
101
14
TOF Honeycomb Plate
TOF
40
TAS
9
Plane 1
Plane 2
Plane 3
17
65
helium vessel
400
Max. of Zenith Radiator = 1598
Z
X
Y
ϕ997
ϕ1056
ϕ1424
ϕ2700
A
B
A
100mm
RWTH
Physics AC-I
ams1865t
26.03.2003



FOR INFORMATION ONLY

CAD PLOT

azr_assy

Oberflaechenbehandlung Kenn-Nr. nach
Surface treatment code number per LN 9368-

R_z in µm ≤

Kanten grotfrei
Edges free from burrs ____ DIN 6784 ____ x 45

Unbemaszte Radien
Not dimensioned Radii: ____

Gew.(kg) Weight

Format Size A1

Gestr. Laenge/Straight length ____

Abgew.Breite/Rolled out width: ____

Zul. Abweichung

Werkstoff/Material:

Projektion

All Rights Reserved-Copyright DIN 34

Maszstab in mm 0 10 20 30 40 50

	Datum	Name
Bearb.	4.4.03	Hollenbach
Gepr.		
Projekt		
Prod-A		

Benennung/Nomenclature

ZENITH RADIATOR ASSEMBLY (Envelope)

Maszst Scale 1:5

Kurzzeichen AMS02

Teil -Nr.

Bl./Sh. 1

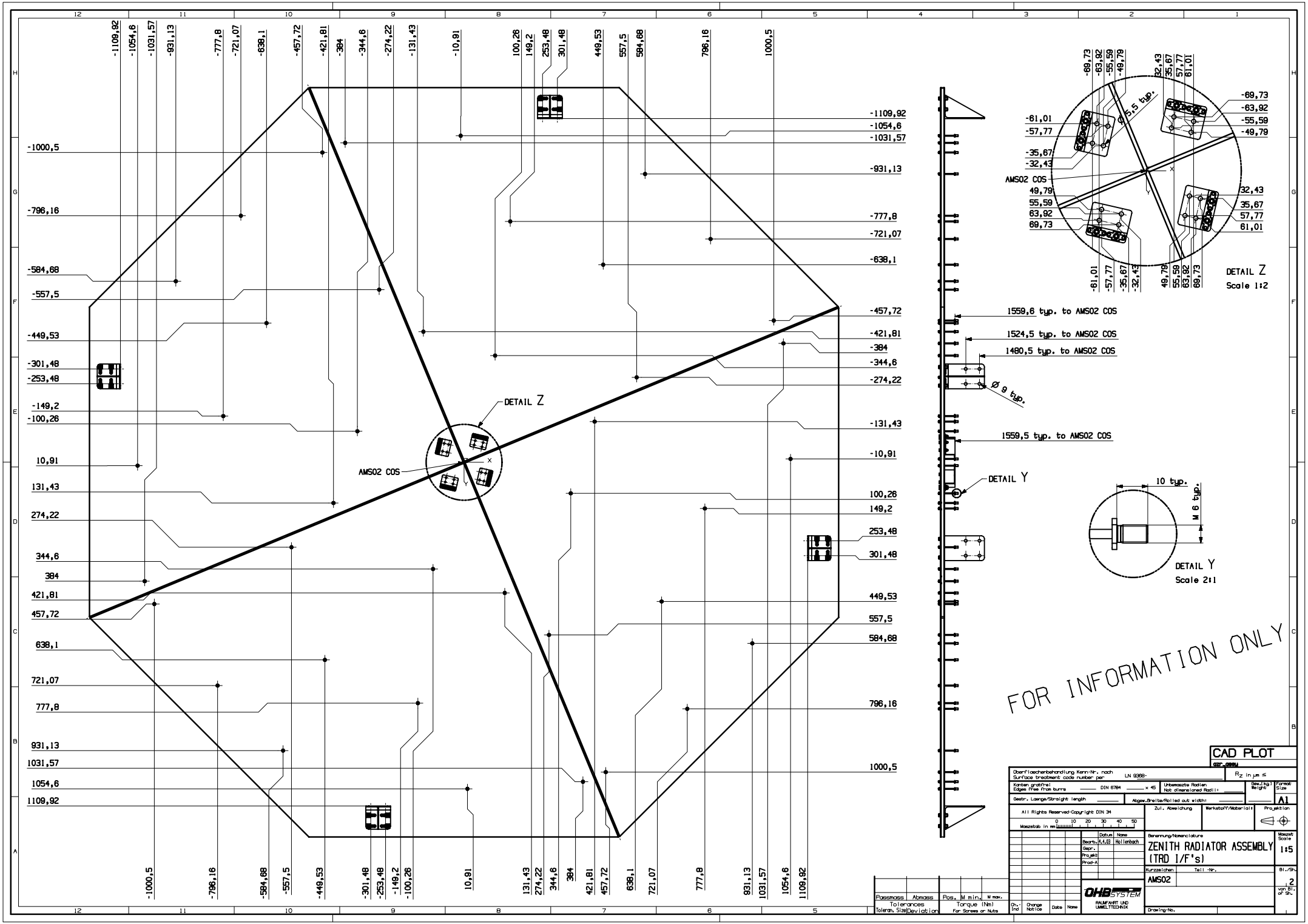
von Bl. of Sh.

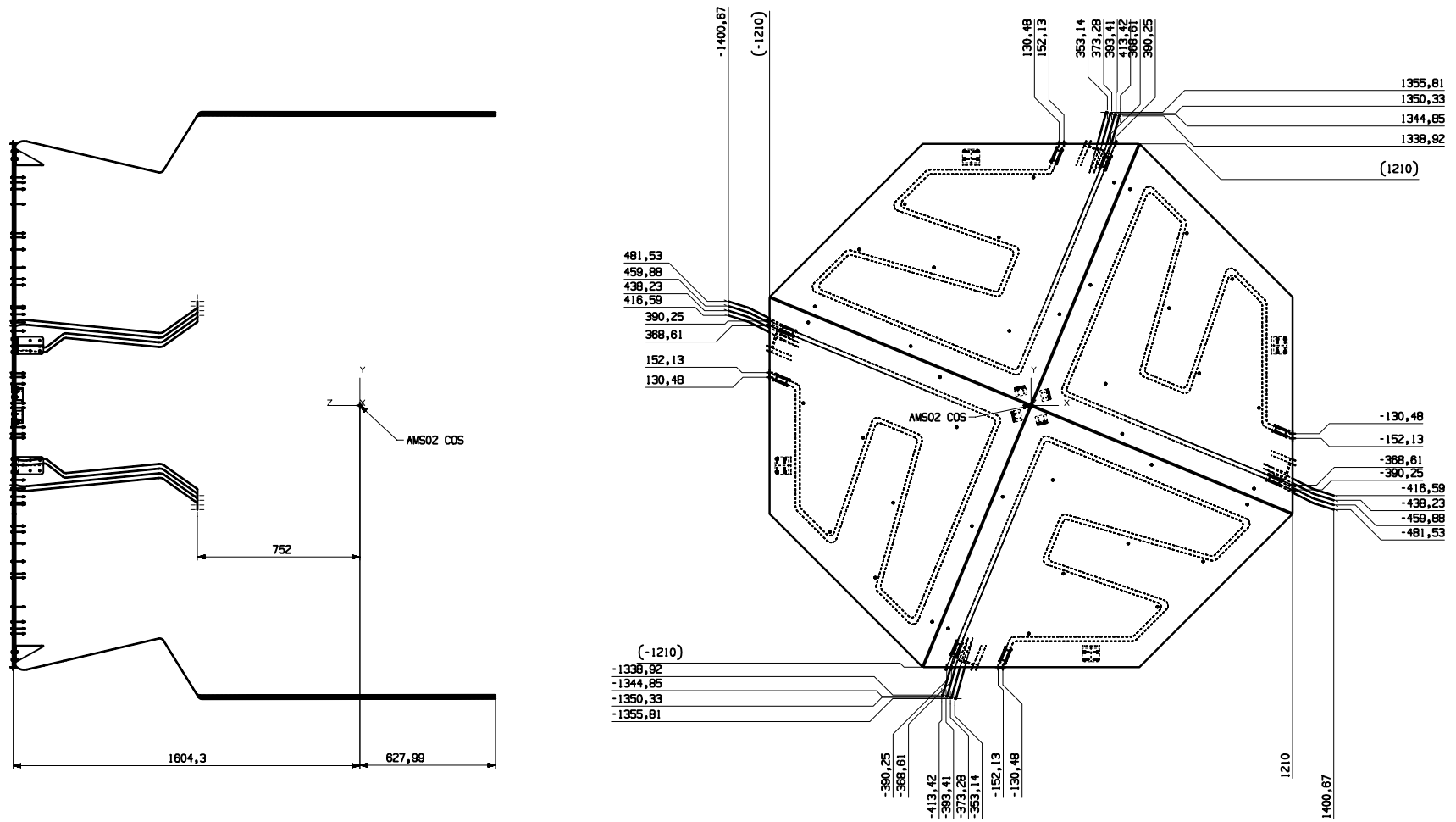
Drawing-No.

OHB SYSTEM
RAUMFAHRT UND UMWELTTECHNIK

Ch.-Ind	Change Notice	Date	Name

Passmass	Abmass	Pos.	M min.	M max.
Tolerances		Torque (Nm)		
Toleran. Size	Deviation	For Screws or Nuts		


-1109,92
-1054,6
-1031,57
-931,13
-777,8
-721,07
-638,1
-457,72
-421,81
-384
-344,6
-274,22
-131,43
-10,91
100,26
149,2
253,48
301,48
449,53
557,5
584,68
796,16
1000,5
DETAIL Z
AMS02 COS
DETAIL Z
Scale 1:2
1559,6 typ. to AMS02 COS
1524,5 typ. to AMS02 COS
1480,5 typ. to AMS02 COS
Ø 8 typ.
1559,5 typ. to AMS02 COS
DETAIL Y
10 typ.
M 6 typ.
DETAIL Y
Scale 2:1
FOR INFORMATION ONLY
CAD PLOT
ZENITH RADIATOR ASSEMBLY
(TRD I/F's)
AMS02
OHB SYSTEM
RAUMFAHRT UND UMWELTTECHNIK



FOR INFORMATION ONLY

CAD PLOT

Oberflaechenbehandlung Kenn-Nr. nach
Surface treatment code number per LN 9368-

R_z in µm ≤

Kanten gratfrei
Edges free from burrs DIN 6784 × 45

Unbemaszte Radien
Not dimensioned Radii:

Gew.(kg) Weight

Format Size A1

Gestr. Laenge/Straight length

Abgew.Breite/Rolled out width:

All Rights Reserved-Copyright DIN 34

Zul. Abweichung

Werkstoff/Material:

Projektion

Maszstab in mm 0 10 20 30 40 50

	Datum	Name
Bearb.	4.4.03	Hollenbach
Gepr.		
Projekt		
Prod-A		

Benennung/Nomenclature

ZENITH RADIATOR ASSEMBLY
(CRYO Cooler I/F's)

Maszst Scale 1:10

Kurzzeichen AMS02

Teil -Nr.

Bl./Sh.

von Bl. of Sh.

Drawing-No.

Passmass	Abmass	Pos.	M min.	M max.
Tolerances		Torque (Nm)		
Toleran. Size	Deviation	For Screws or Nuts		

Ch.-Ind	Change Notice	Date	Name

OHB SYSTEM
RAUMFAHRT UND UMWELTTECHNIK