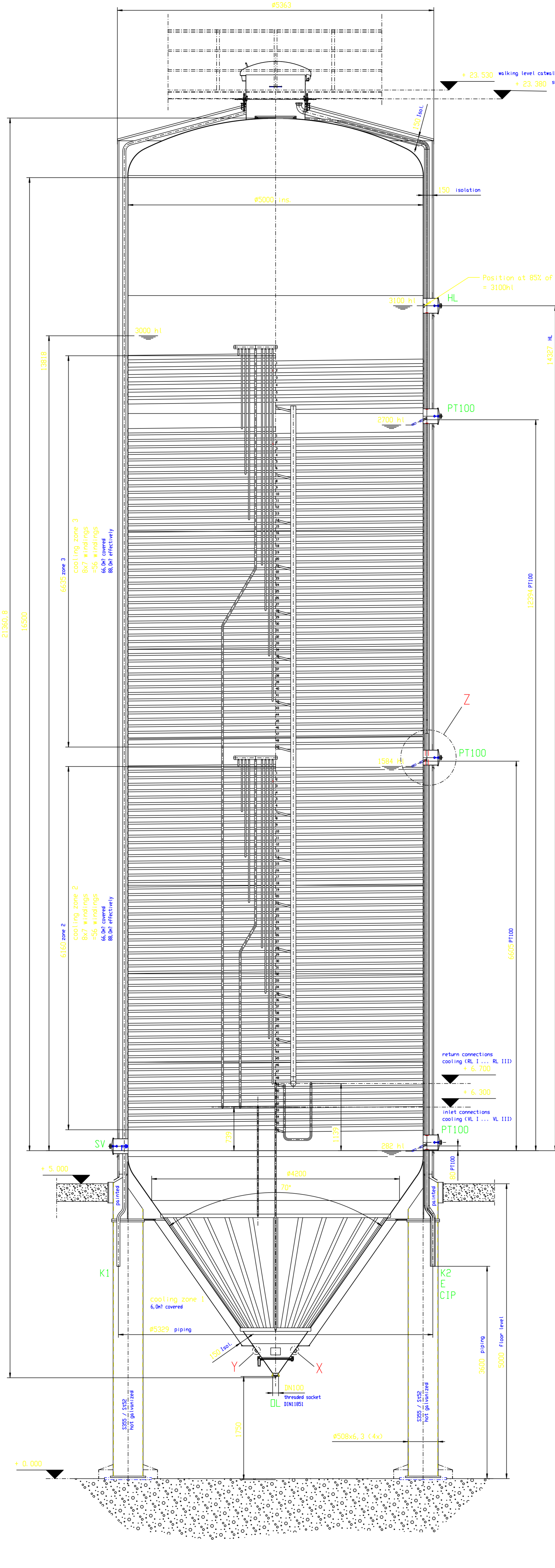
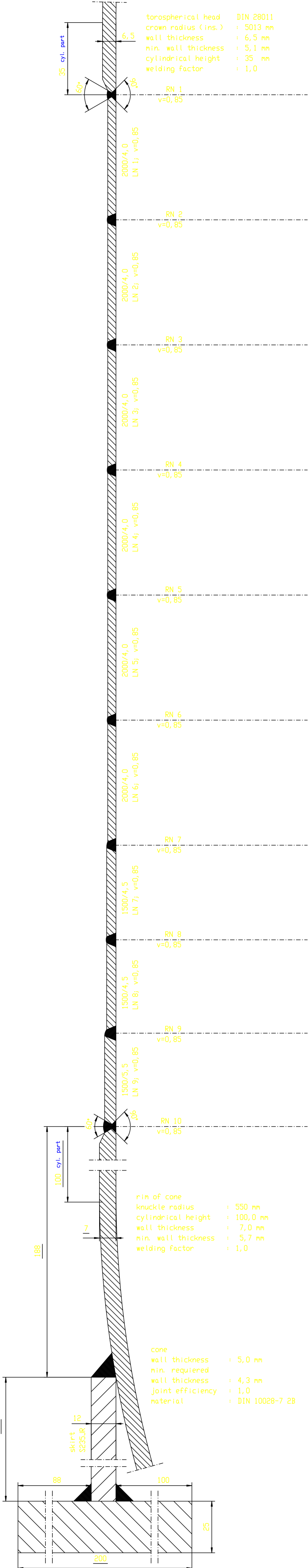


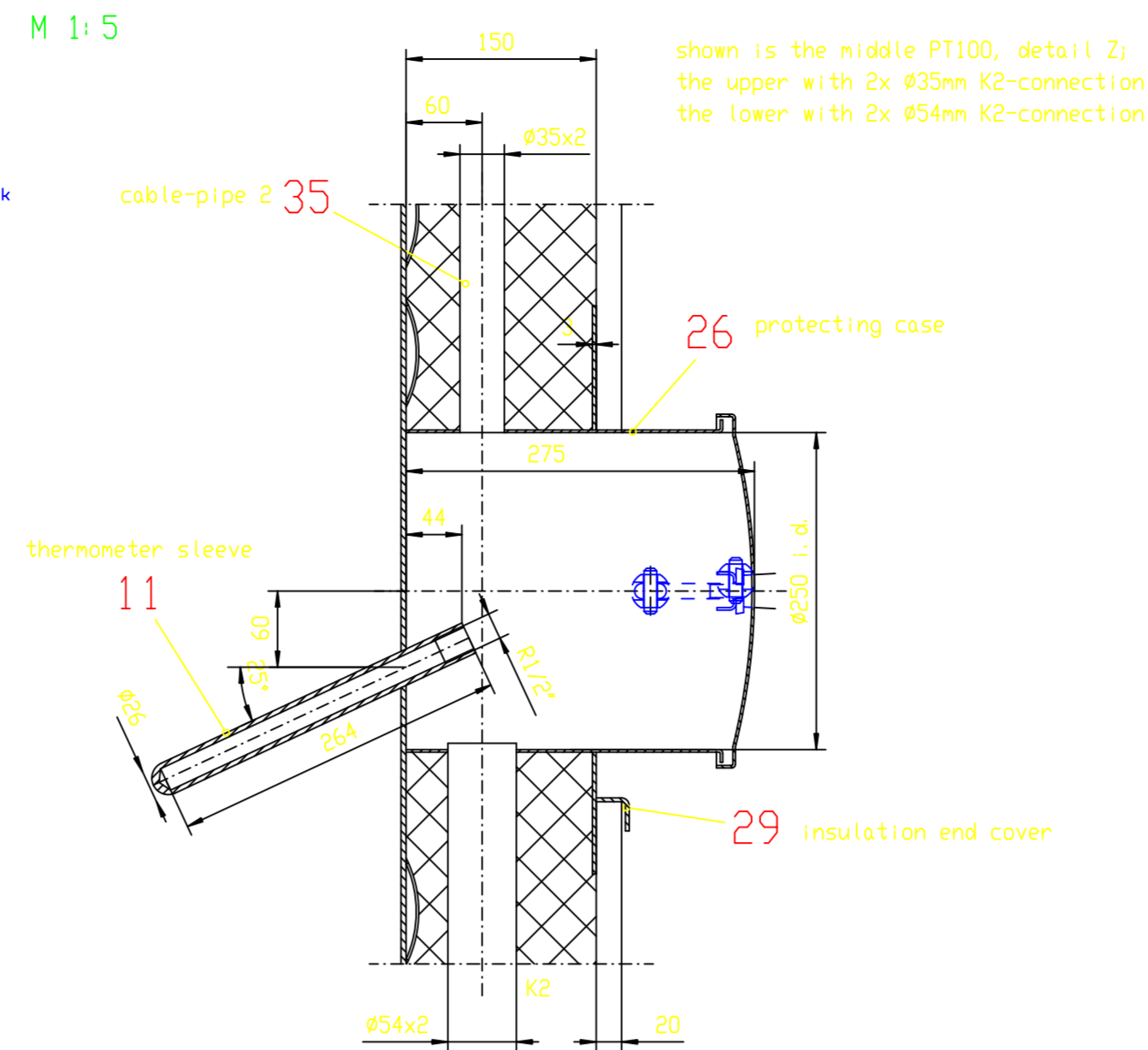
OUTDOOR

PED 97/23/EG
AD2000
Modul HI

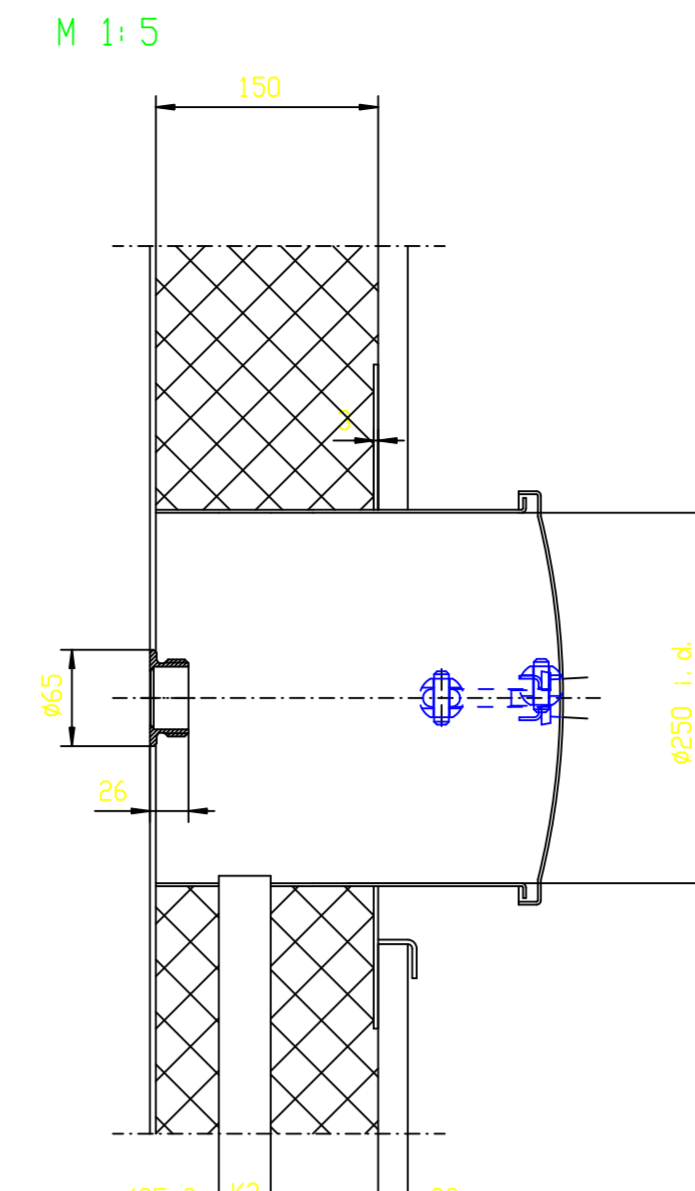
Sectional view:
M 1:1



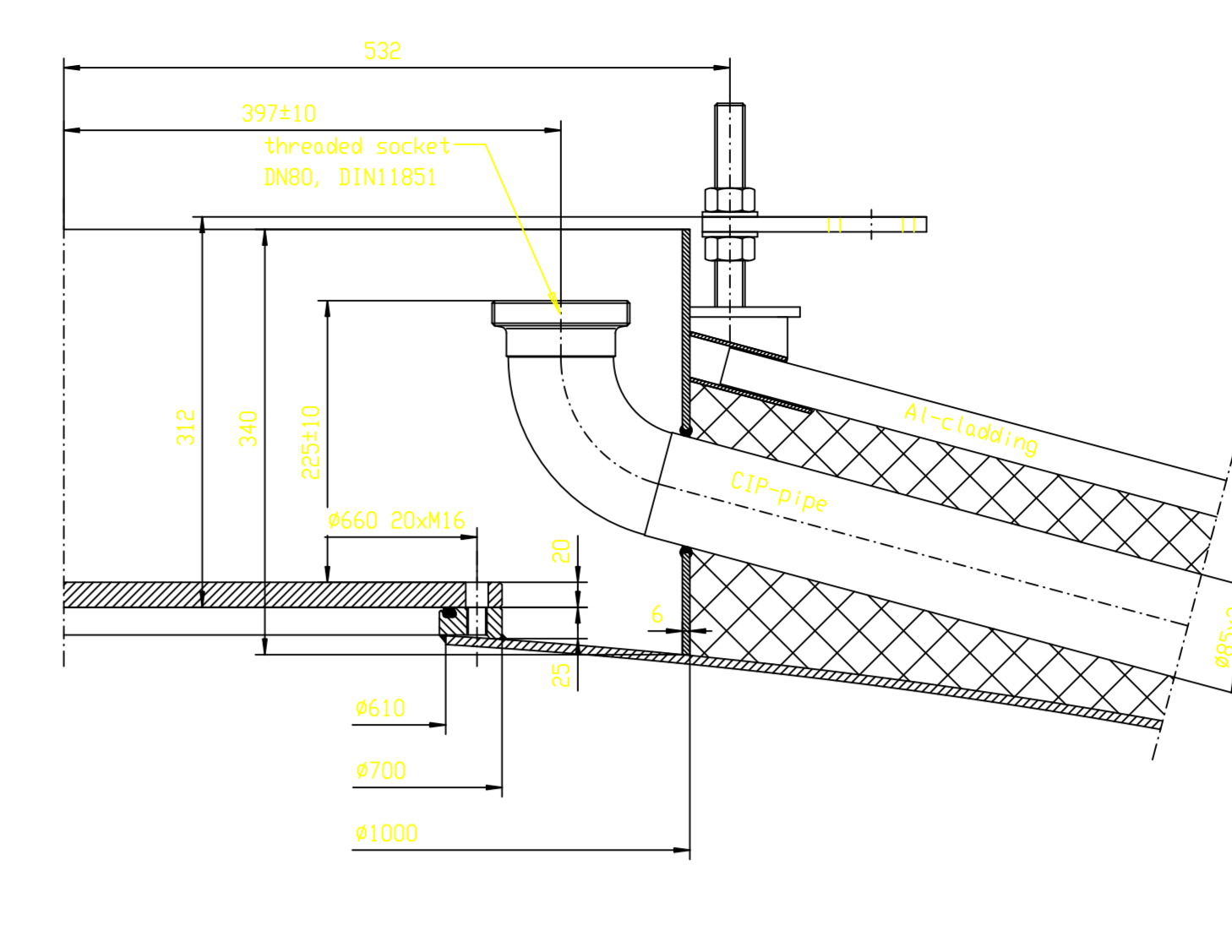
Detail Z: thermometer sleeve
M 1:5



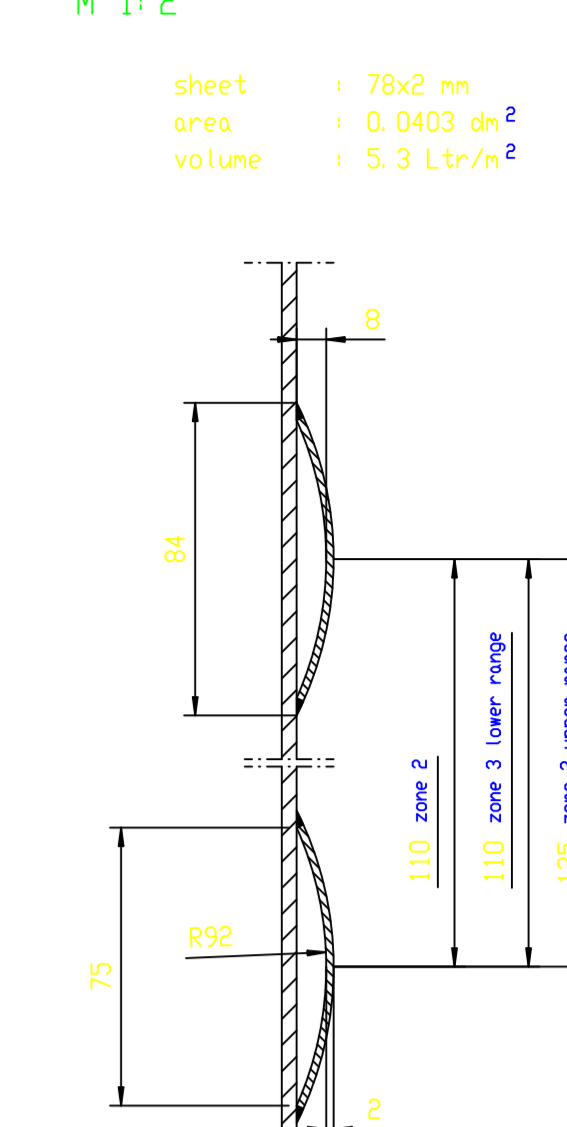
Detail: connection for HL
M 1:5



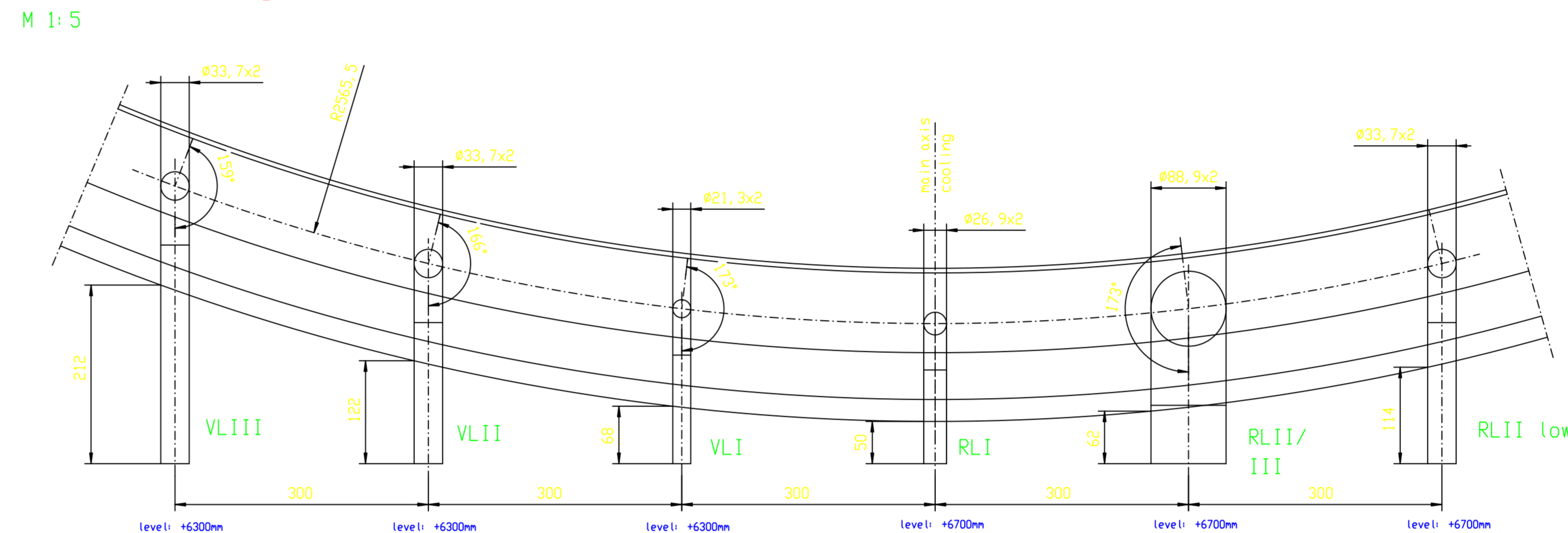
Detail: tank top
M 1:5



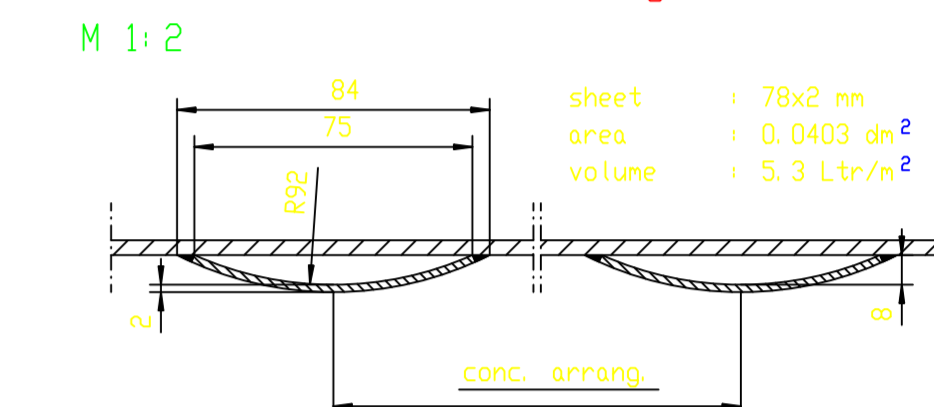
Detail: cooling cylindrical part
M 1:2



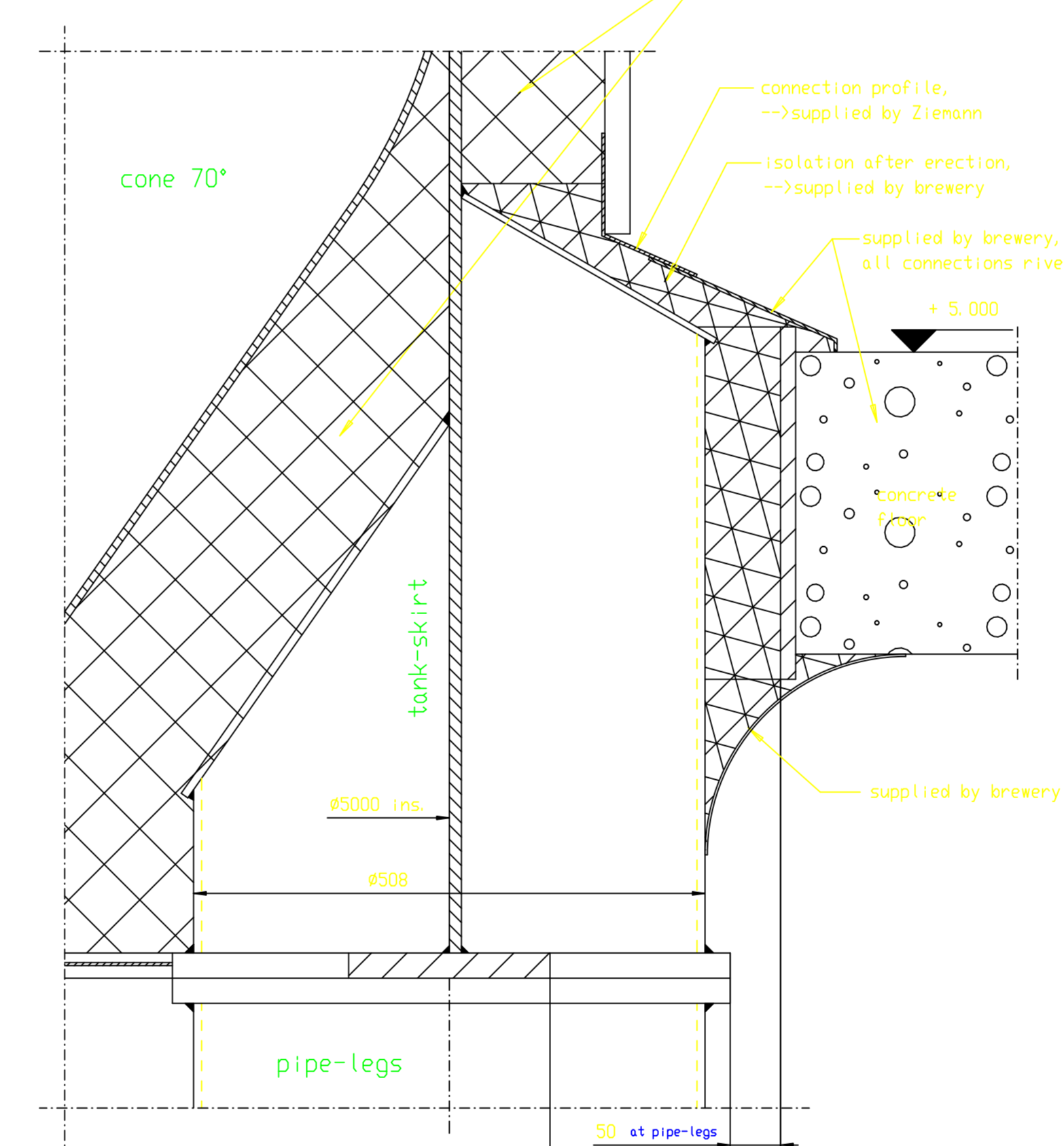
Detail: cooling in-/outlet
M 1:5



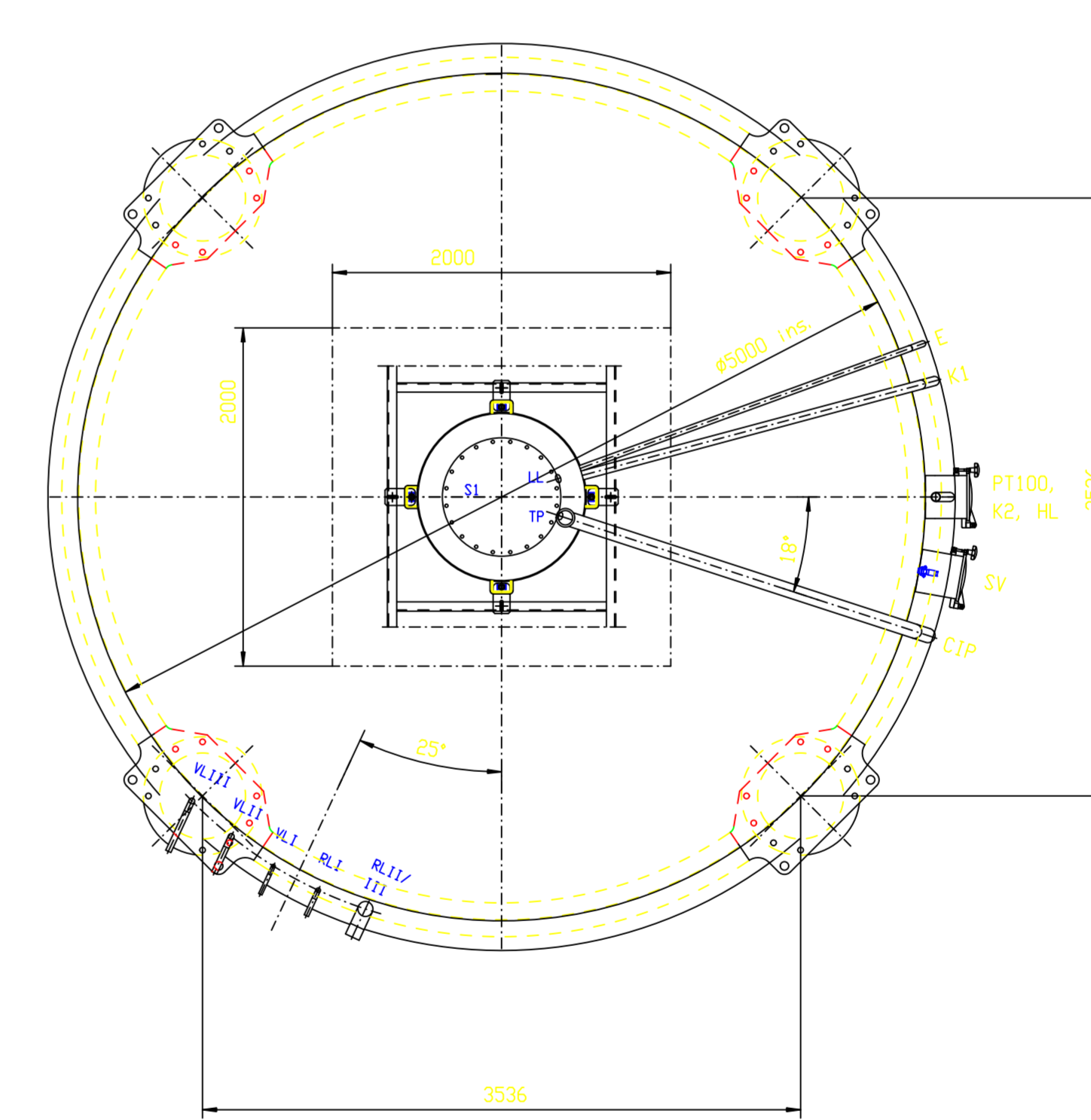
Detail: cone cooling
M 1:2



Detail: ceiling duct
M 1:5



Tank top view
(for example only)



Pipes and nozzle list:

Mark.	Description	DN	Size	DIN	Remarks
K1	cable pipe 1	50	Ø54x2	1127	done
K2	cable pipe 2	32	Ø35x1,5	2463	PT100
CIP	CIP-pipe	80	Ø85x2	11850	threaded socket 11851 a
F	done drain pipe	32	Ø35x1,5	2463	
PT100	temperatur trans.		Ø26x264		connection R1/2"
SV	sample valve				type KEDF III W9 TN
VL I	NH supply 1	15	Ø21,3x2	2463	
VL II	NH supply 2	25	Ø33,7x2	2463	
VL III	NH supply 3	25	Ø33,7x2	2463	
RL I	NH return 1	20	Ø26,5x2	2463	
RL II/III	NH return 2, 3	80	Ø88,9x2	2463	
RL II low	NH return 2	25	Ø33,7x2	2463	
LL	low level switch				connection for E+H FTL5
HL	high level switch				connection for E+H FTL5
TP	pressure trans.				connection for E+H DBS0
DL	outlet	100		11851	threaded socket
SH	swing cone hinge				
SP	hinge for dome				
T	name plate				

Tank explanation:

Surfaces: top head: inner surfaces ground to Ra 70 0,4 µm
cyl. part: cold rolled material according to EN10208-7; process 2B
bottom: inner surfaces ground to Ra 70 0,3 - 0,4 µm

welding seams: internal welds ground to Ra 70 0,6 - 0,8 µm; outside made bright

tanks pickled and passivated inside and outside

Tank insulation: consisting of HR polyurethane foam, CFC-free
Insulation thickness top head: 150mm
Insulation thickness cyl. part: 150mm
Insulation thickness bottom: 150mm
Anticorrosive painting (2-times) according to Ziemannstandard

Insulation cladding top head: plastic coated aluminium sheets
conical shape with a flow seam, s=1,0mm
cyl. part: plastic coated aluminium sheets RAL9006
with trapezoidal corrugation, s=0,8mm profile 20
bottom: stainless steel, conical shape, s=2,0mm
tightly welded and outer surface pickled

mild steel skirt: - material S235JR
- primed 1 coat of anticorrosive paint

pipe legs: - Finishing coat in RAL5006 "Bottle blue"
- material S235
- not galvanised

cooling medium ammonia (NH₃), -4°C

design according AD2000 rules and german accident prevention rules
conformity assessment procedures according modul HE of the
pressure equipment directive 97/23/EG
notified body: TÜV-Südwestfalen (identification number 0036)

Welding factor: cyl. part: v=0,85; top: v=1,0; cone: v=1,0
Welding process: MIG, MAG, WPL, LP

Nondestructive testing: welding seams: radiographic testing T1
100% PT
acc. testing plan

Met. acc. to DIN 10208-1/2/8 and AD2000-W2 with proof 3.1 acc. to EN 10204
Comb. of mat.: 1.4301 - 1.4301/1.4541 - 1.4301

Welding filler according to welding plan TÜV qualification

ZIEMANN+BAUER GmbH
Industriestrasse 6
63927 Bürgstadt/Main
Germany
www.ziemann.com

Project: 5382/06
Project No.: 5382/06
Anzahl: 60
Drawing: CCT's
Ø5000mm ins.; Ti=3650hL
Date: 0-211967
Entscheidung: a
A0

Horizontal
Projection

Orientation of
sockets exclusively
as determined by
the general layout

Entscheidung: a
A0