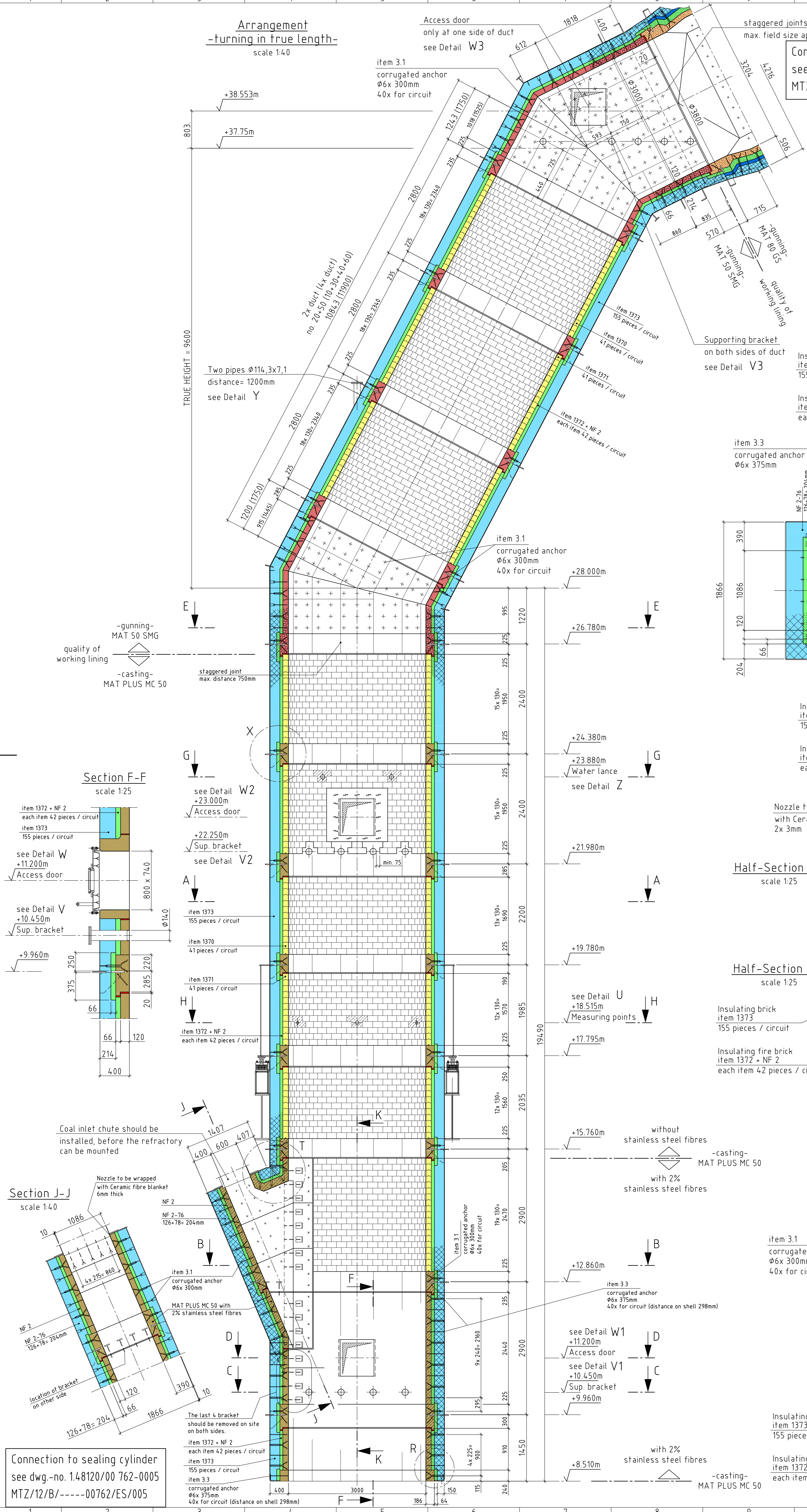
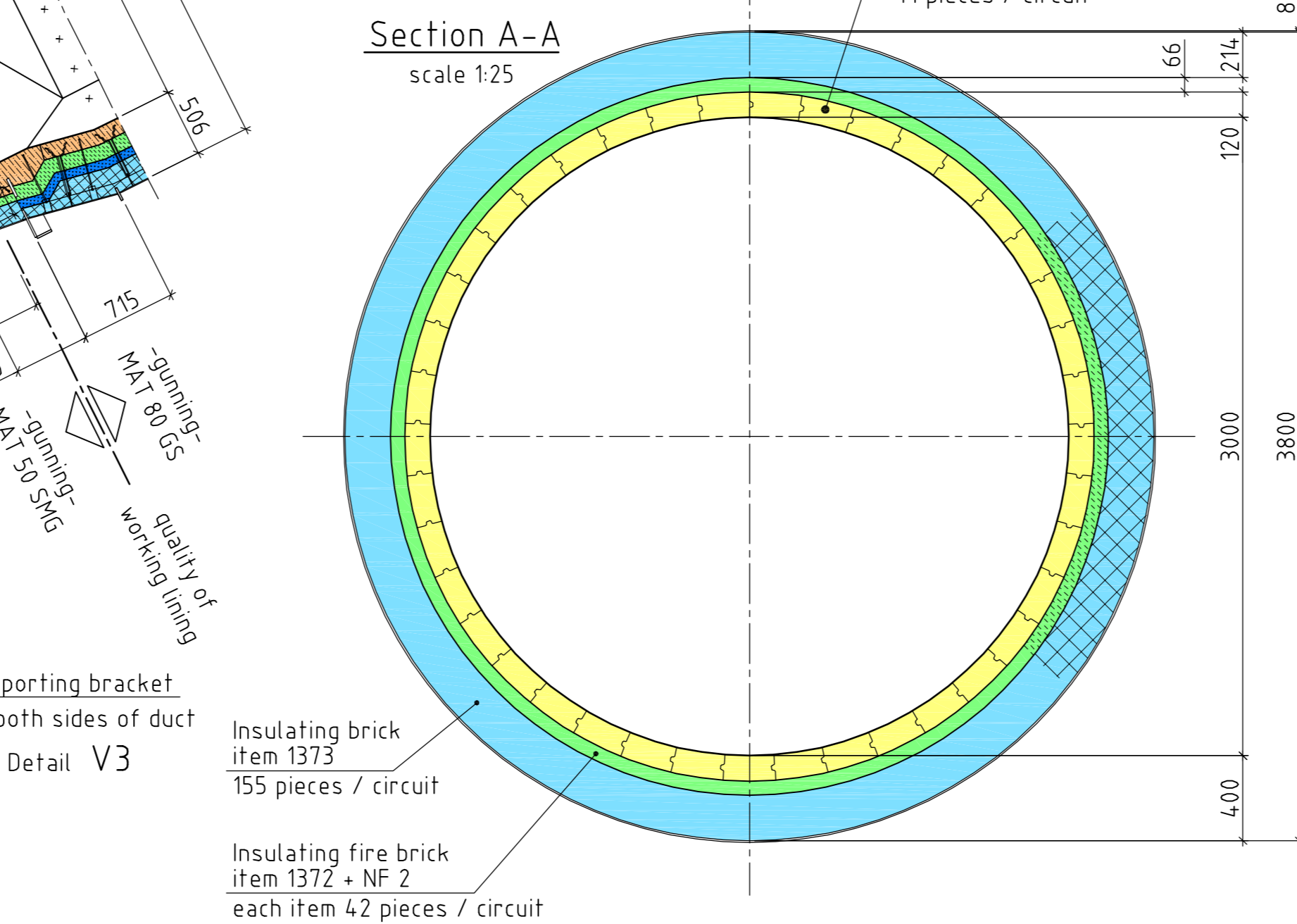


Arrangement
-turning in true length-
scale 1:40

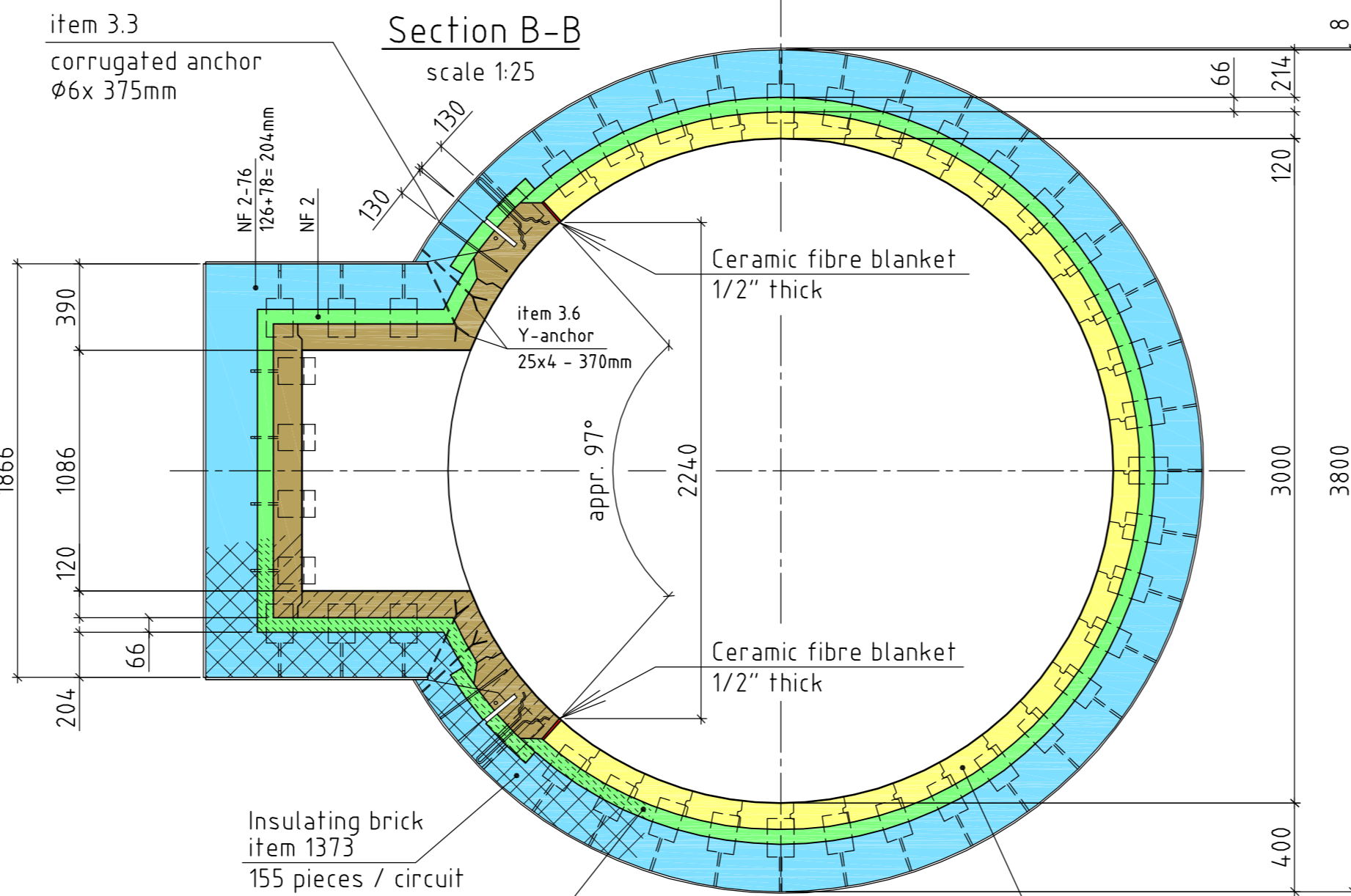


Connection to head
see dwg.-no. 1.48120/00 762-0002
MTZ/12/B/-----00762/ES/002

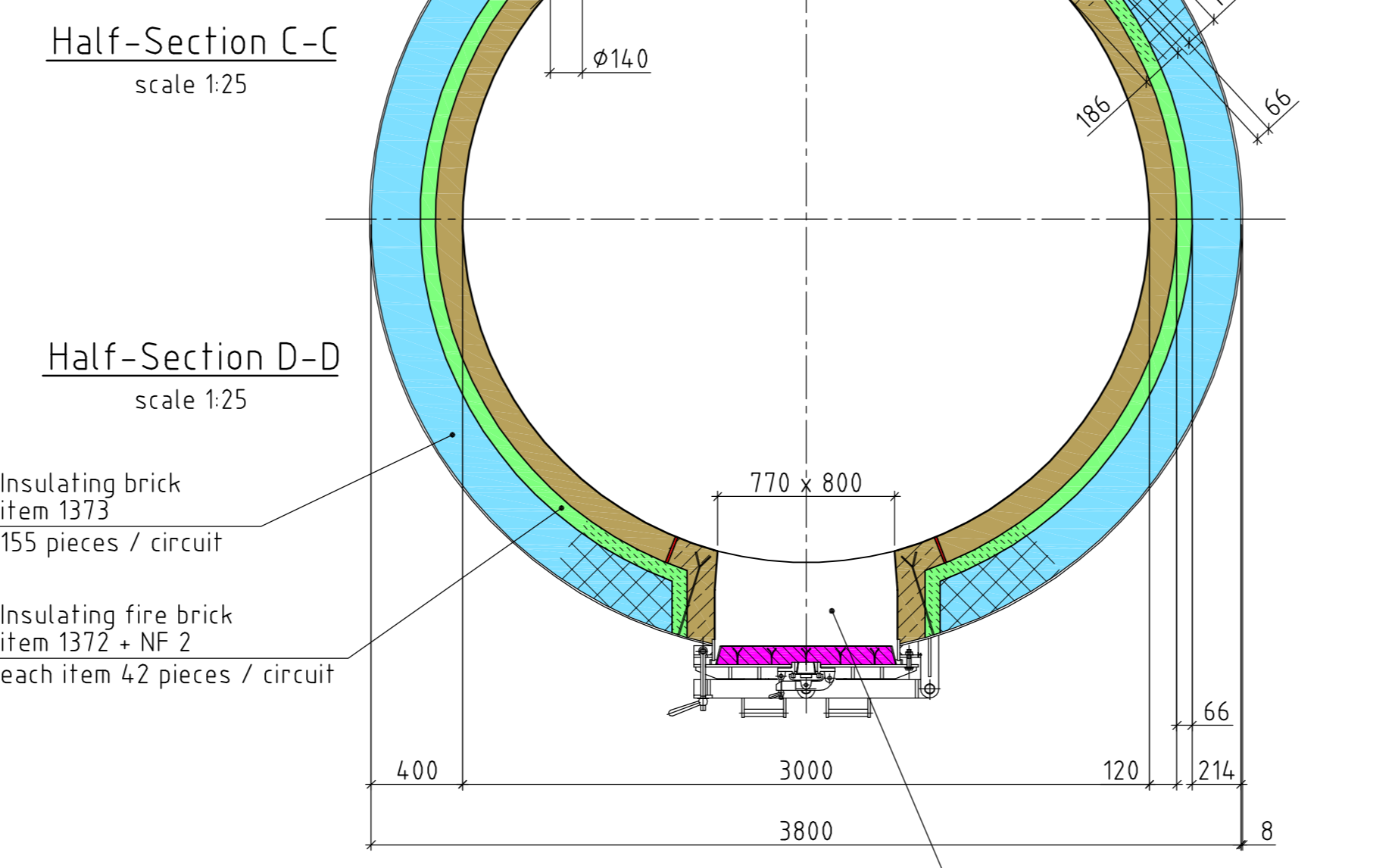
Section A-A
scale 1:25



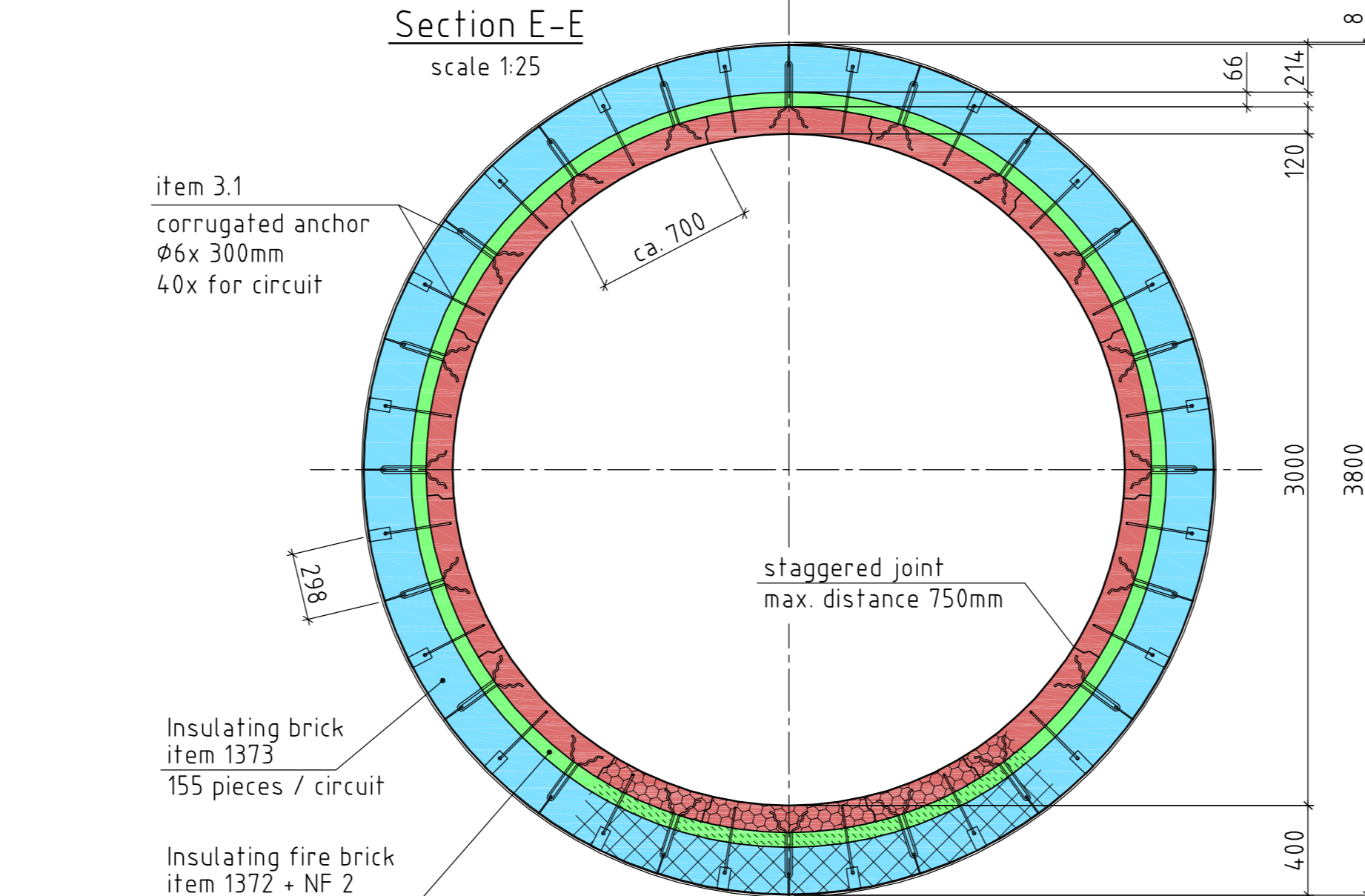
Section B-B
scale 1:25



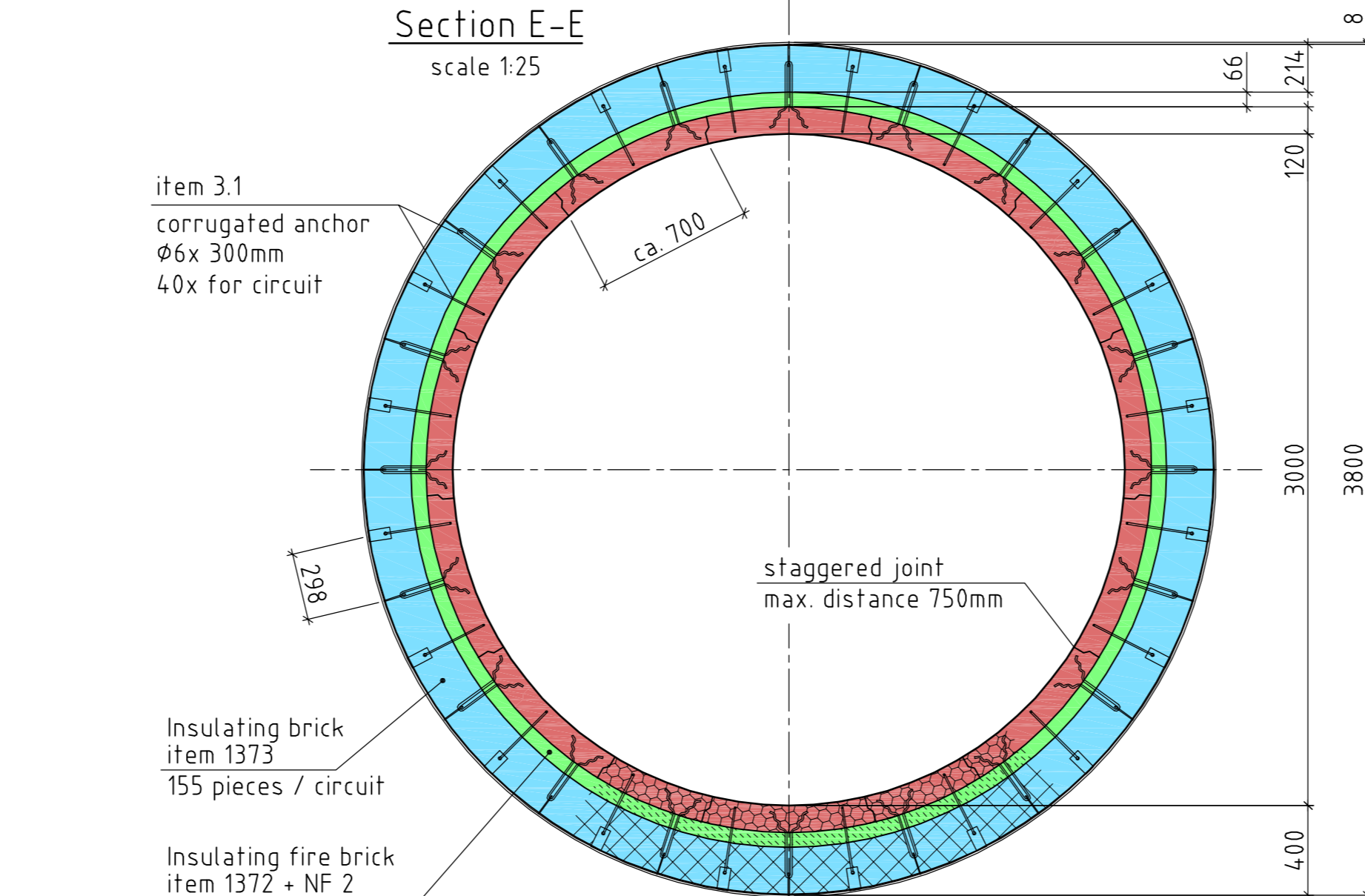
Half-Section C-C
scale 1:25



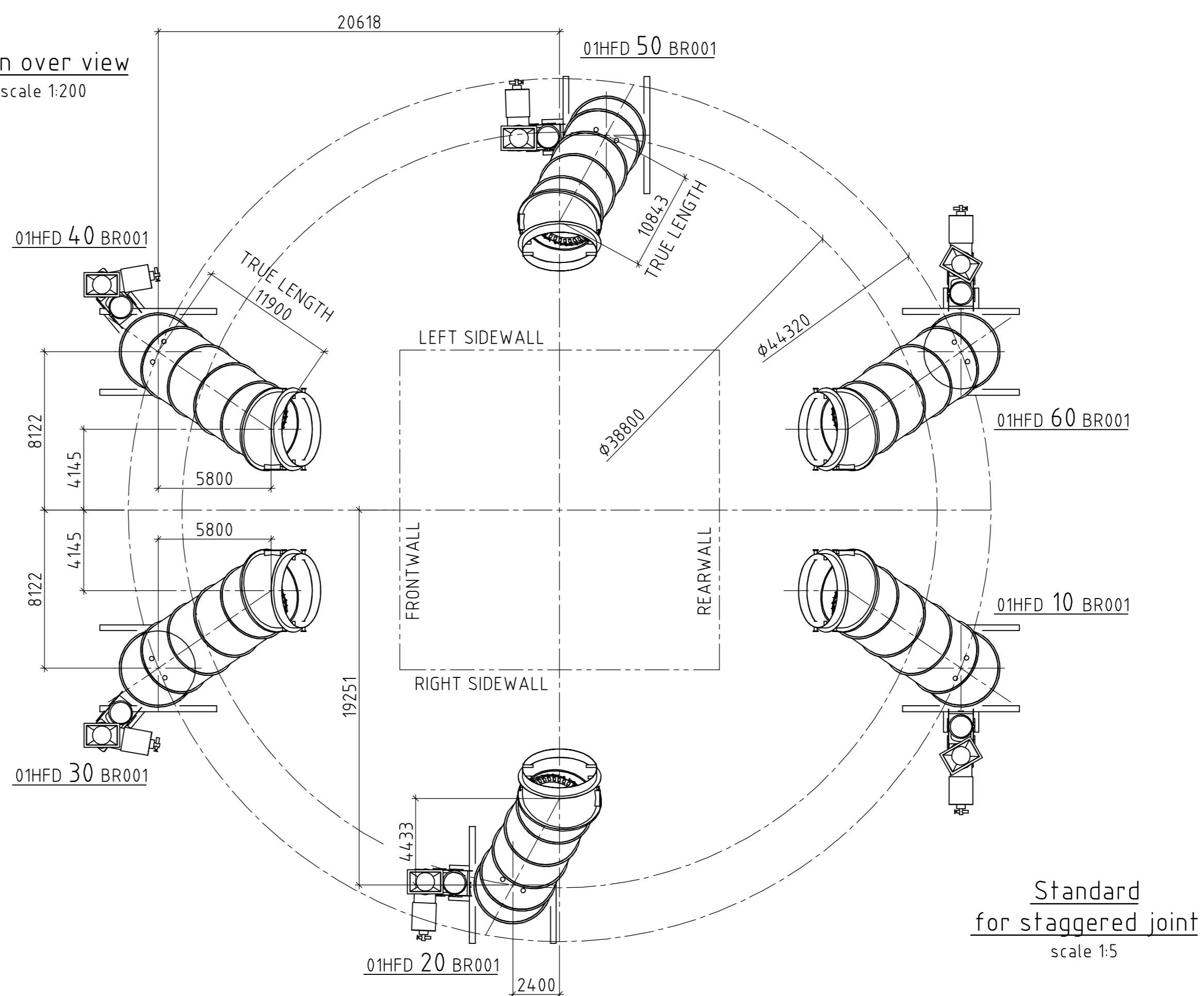
Half-Section D-D
scale 1:25



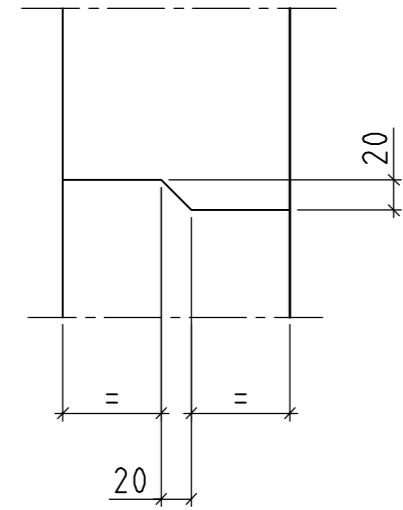
Section E-E
scale 1:25



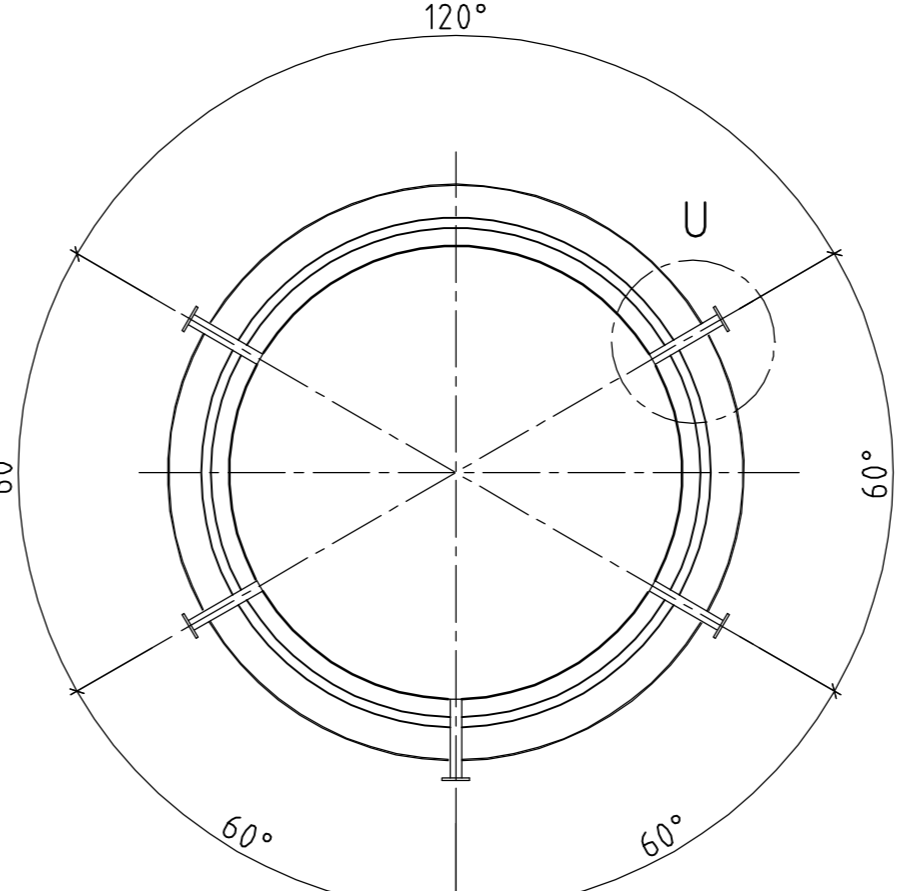
Plan over view
scale 1:200



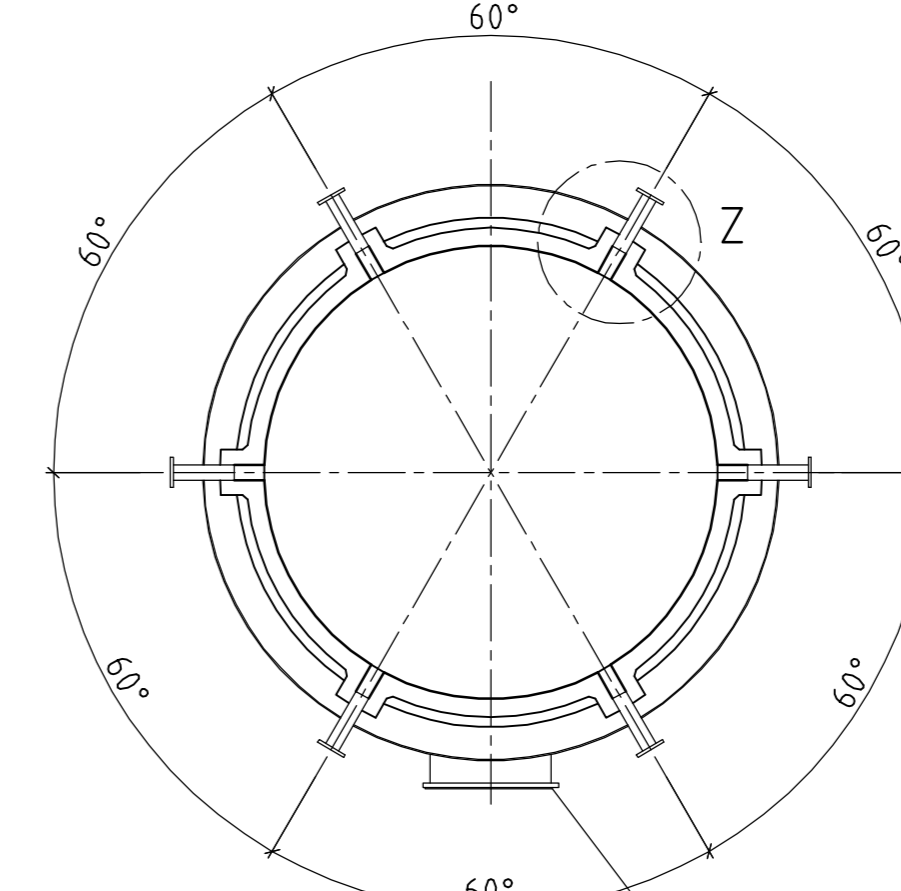
Standard
for staggered joint
scale 1:5



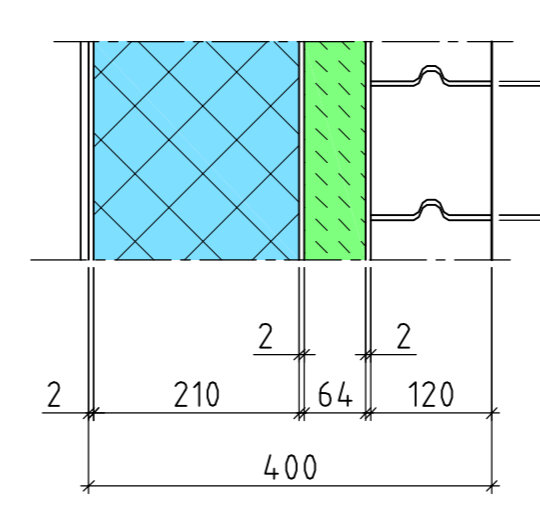
Section H-H
Location of Measuring points
scale 1:50



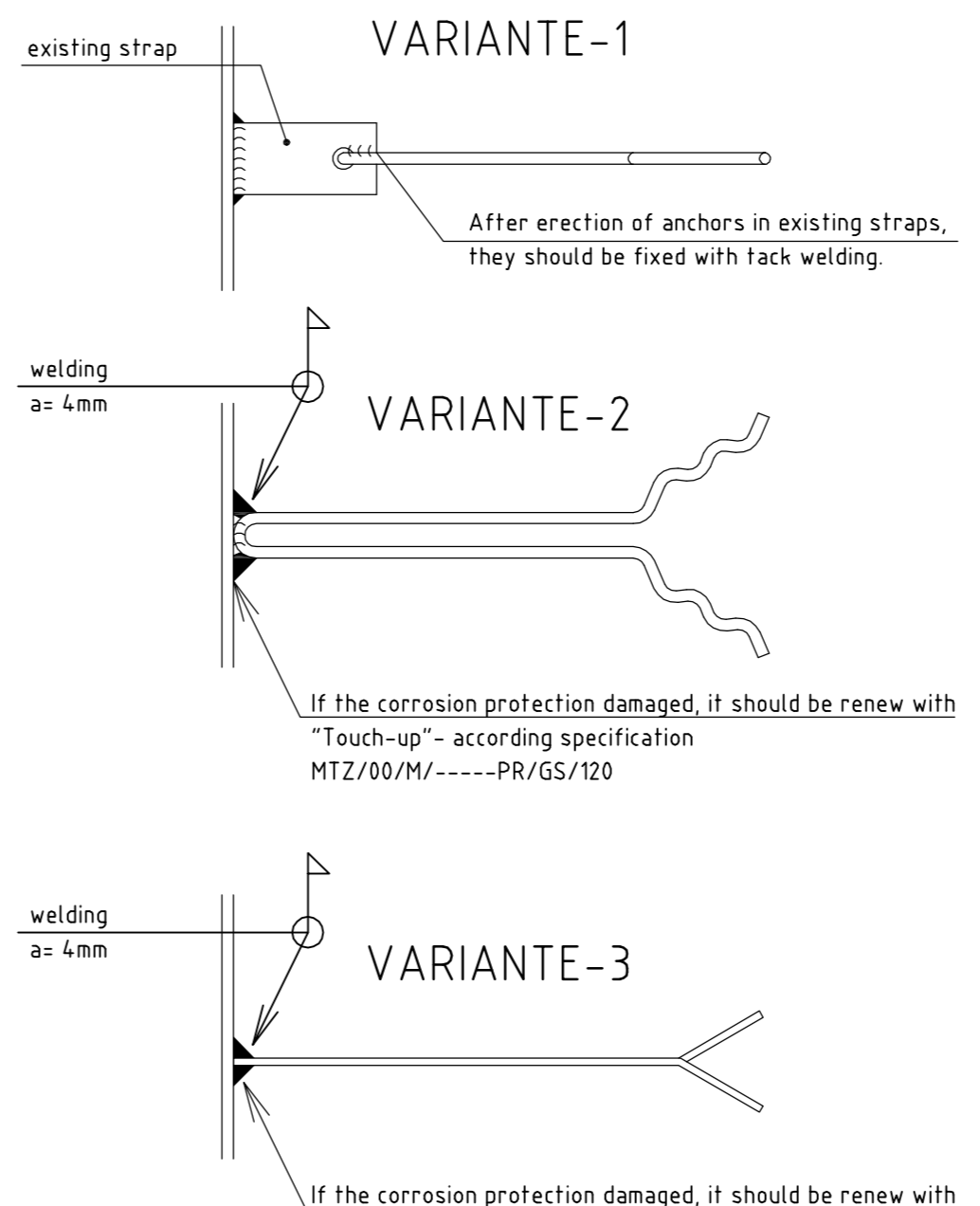
Section G-G
Location of Water lances
scale 1:50



Standard brick joints
scale 1:7,5



Standard fixing of anchor
scale 1:5



General erection instruction

- Before beginning of refractory working the main dimensions of steel construction should be approved on site.
- Pay attention to expansion joints, keep free of mortar
- Thickness of mortar joints max. 2mm
- All bricks should be lay with all sides of mortar.
- If necessary the bricks should be cut at site.
- Existing gaps of insulation in area of anchor, brackets or edges should be equalised with Lightweight refractory castable
- In area of castable lining the insulation should be provided with a bitumen painting or to be covered with a construction foil.
- The exactly location of anchors should be checked and determined on site.
- After erection of anchors in existing straps, they should be fixed with tack welding.
- The overlap from castable of anchor appr. 25-30mm
- Should be the corrosion protection damaged, the protection should be renew with "Touch-up"- First coating method, according to specification Installation 8-system 8 from ALSTOM
- All joints in refractory castable should be staggered (Z-joint)
- In area of castable distance of staggered joints are appr. 750 x 750mm
- The exactly location of shuttering fields should be determined on site.

	Fireclay brick	M 334 with mortar: MAC-II
	Refractory Concrete	MAT 50 SMG
	Refractory Concrete	MAT PLUS MC 50
	Lightweight refractory castable	MAT 125
	Insulation fire brick	JM 23 with mortar: MAC-II
	Insulation brick	Isolmos 450 with mortar: MAC-II
	Ceramic fibre blanket / paper	1250°C

Details see dwg.-no. 1.48120/00 762-0004
appertained parts list : 1.2/1 + 1.2/2

RELEASED FOR CONSTRUCTION 23.09.08
Drawing valid for Unit 1 and Unit 2

Project Sheet		Revision		Approval		Status	
1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
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24		24		24		24	

Company (Business Unit)		AS	
Space for stamp of Municipality of Gdansk		Space for further stamps	
Area for Stamp of City Control (DD)		Space for stamp of authorized Bulgarian Designer	
Main Contractor / Extern consultant		Partner of Main Contractor / Partner with common investment	
ALSTOM		Power Generation AG	
Responsible		Responsible	
Scale / Ratio		1:40	
Derived from /		Doc. type	
Replaces		Doc. status	
Logo of Legal Owner		Sub-Contractor No. Number	
Logo of Refractory S.A.		Title, Subtitle / for name, responsible	
Refractory Lining		Flue gas ducts - Shaft - Layout	
Refractory S.A.		Refractory S.A.	