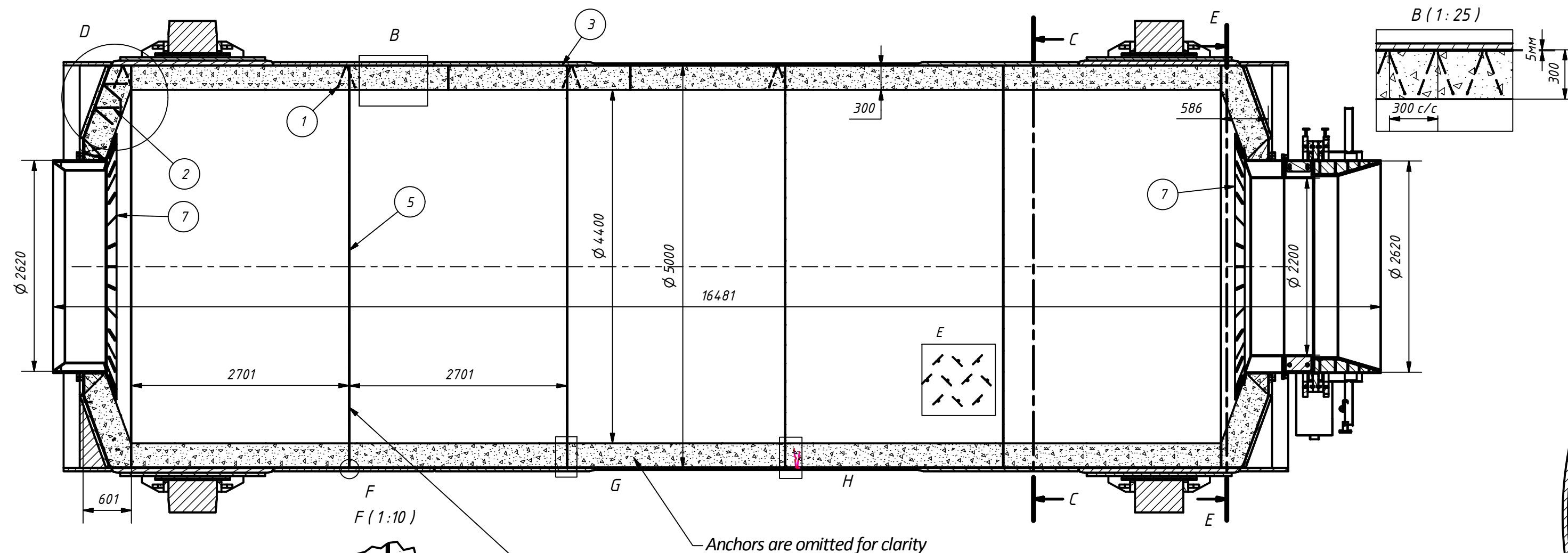
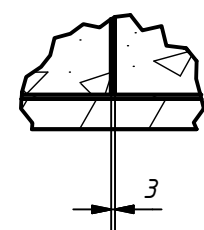


A-A (1:50)

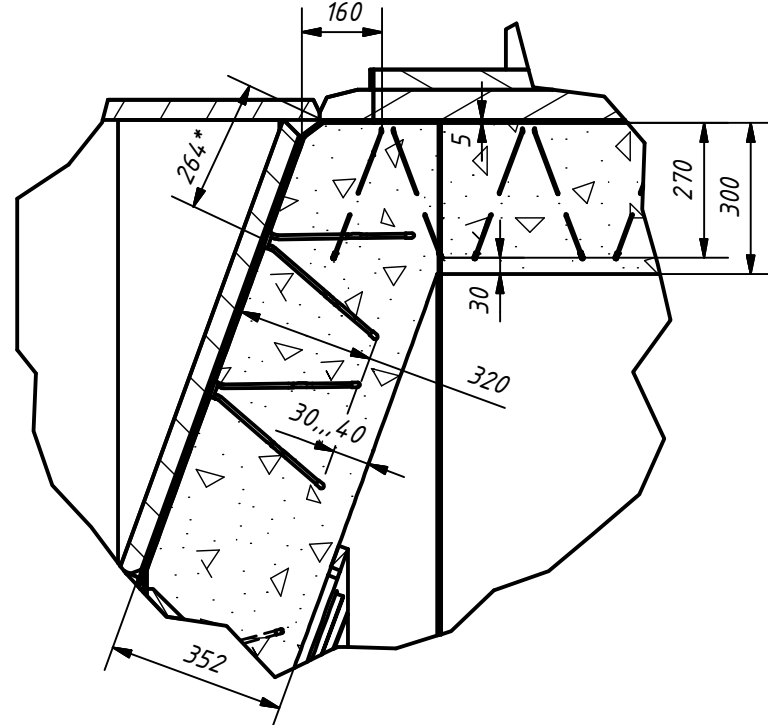


F (1:10)



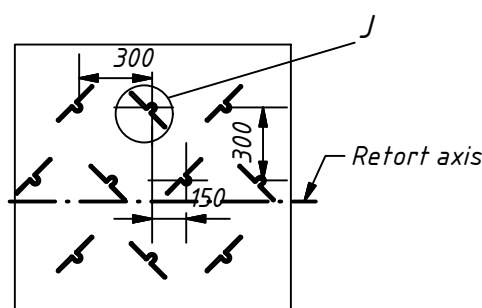
D (1:15)

Anchor setting in the transition section



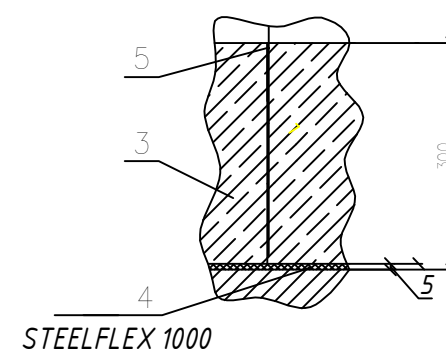
E

Anchor setting layout, retort cylinder



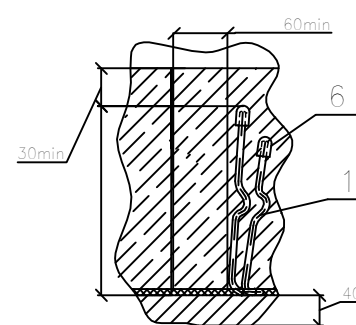
Inner insulation layer LYTX-236B

G (1:5)

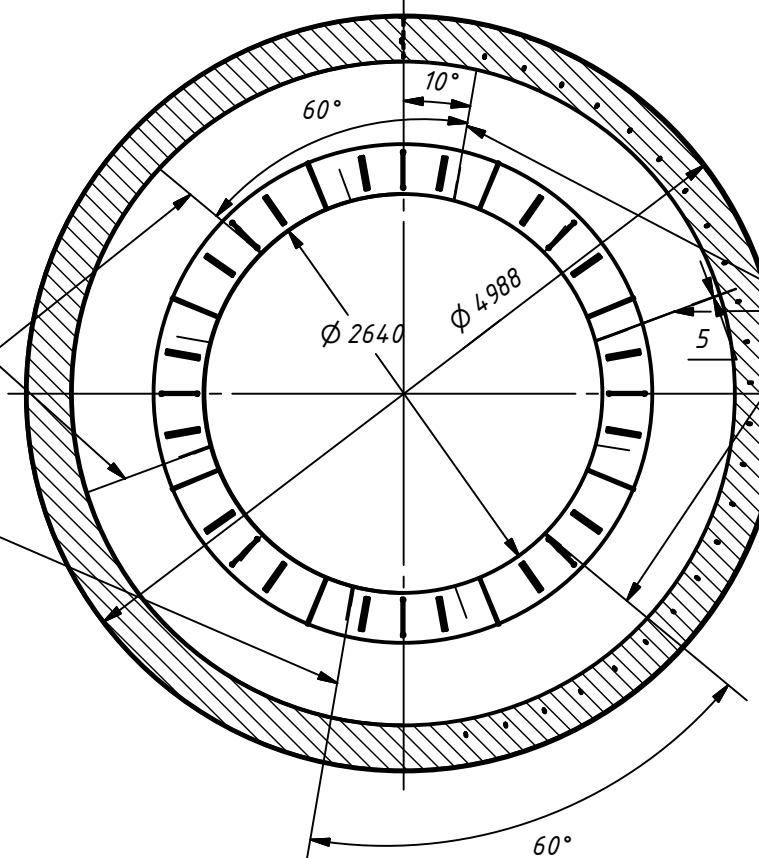


STEELFLEX 1000

H (1:5)

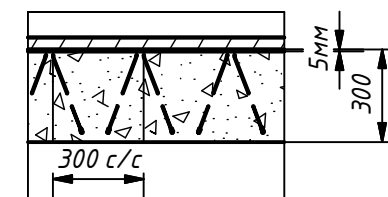


C-C (1:50)



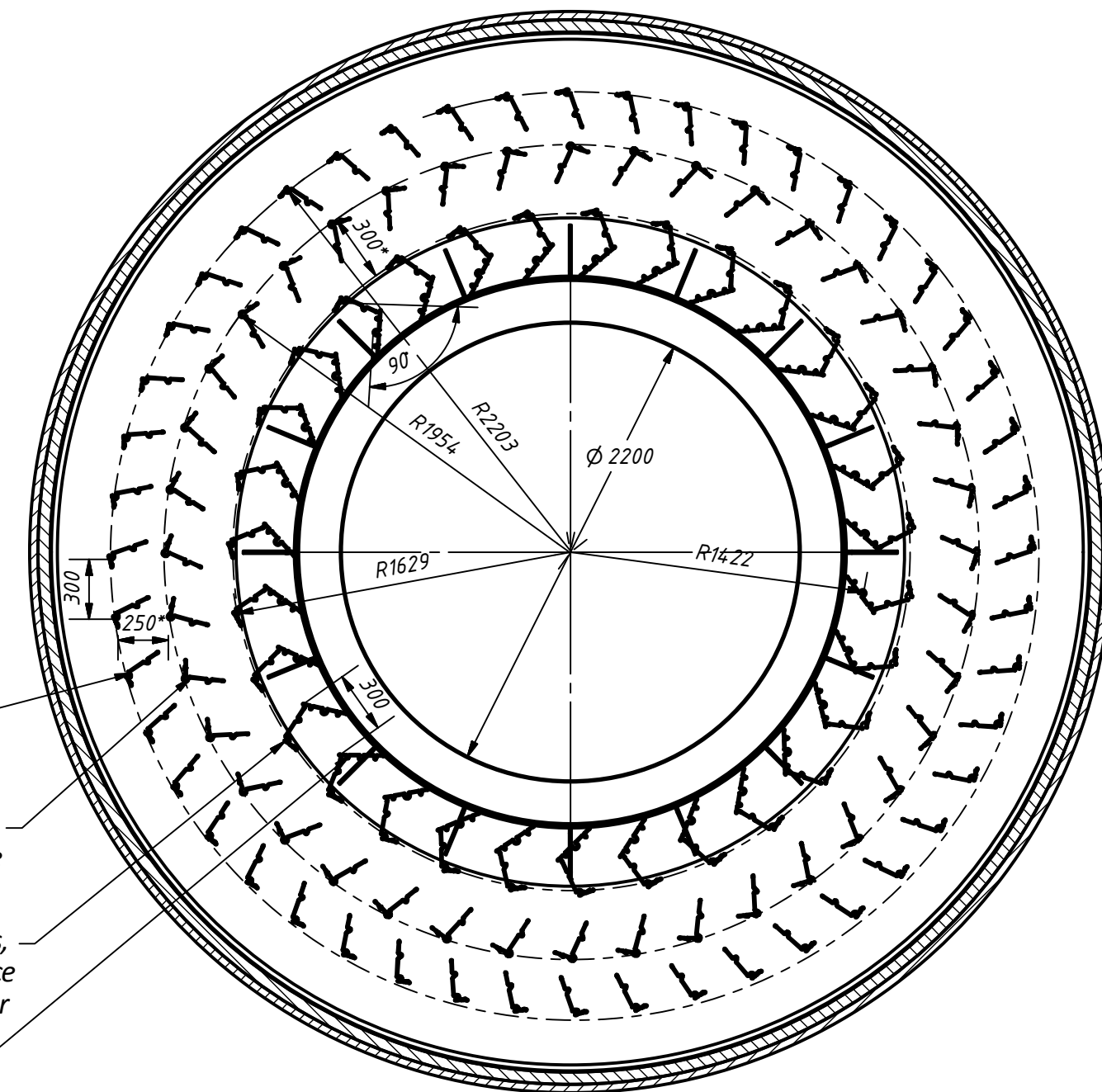
Inner insulation layer LYTX-236B

B (1:25)



E-E (1:30)

Anchor setting layout, end walls



Anchors, type 2, L = 320, 48 pieces, arranged around the circumference at an equal distance of 300 between each other

Anchors, type 2, L = 320, 42 pieces, arranged around the circumference at an equal distance of 300 between each other

Anchors, type 2, L = 320, 31 pieces, arranged around the circumference at an equal distance of 300 between each other

Anchors, type 1, L = 270, 31 pieces, arranged around the circumference at an equal distance of 300 between each other

1. Welded structure. Full length continuous weld. The weld size equals the thickness of the thinner part joined.
2. Weld quality: EN ISO 5817-C
3. Unspecified limit deviations: EN ISO 13920-B, F
4. Unspecified limit deviations: EN ISO 13920-B, F
5. Anchor nibs shall be placed at 45 degrees to the retort body axis and arranged around the circumference at an equal distance from each other.
6. Concrete mix shall be made and cast as per the manufacturer's instructions.
7. Put plastic caps on anchor ends to compensate various thermal expansion of refractory and anchor materials.
8. Anchors located close to the joints between refractory panels shall be arranged at 15 to 30 degrees to the drum cross-sectional plane. The distance from the nearest anchor part to the refractory panels joint surface and fins on the skirt shall be at least 30 mm ensured both with the anchor position and anchor pin cutting or bending normal to the joint or fin surface.
9. Fin and protective skirt rim surfaces shall be pasted over with ceramic fibre paper STEELFLEX 1000 or with similar material with thermal conductivity of 0.023 W/m.K (200 °C).

		Glue				
7		Protection end plate	MTC-146.100		771,5	1543,0
6		Cap,		plastic		
5		Inner insulation layer S=3mm	ceramic fibre LYTX-236B			
			26,52m2			
4	1	Inner insulation layer S = 5 mm	ceramic fibre STEELFLEX 1000			
			S=254,6m2+17,4m2			
3	1	Refractory, concrete (design density 2.41 t/m3)	Compac SOL F53-6		166834,3	166834,3
2	242	Anchor H-320	MTC-146.002	AI/SI 310	0,4	84,7
1	2954	Anchor H-270	MTC-146.001	AI/SI 310	0,3	714,4
No	QTY	Name	Designation	Material	Standard	M (piece)
						M (total)
Eesti Energia				Project	Retort refractory lining 1Enefit-140	
Enefit Energiateotmine				KKS code		
				TITLE	Refractory lining Retort	
Drawn	Maksim Holjavko	Signature	Date	Material		
Checked	S. Yurkov		16.12.2015	Drw Nr	MTC146.000-ENG	
Approved						
Approved	A.Stolbov					
				Mass, kg	170944 kg	
				Scale	1:50	
				Page/Pages	1 / 1	
				REV	1	