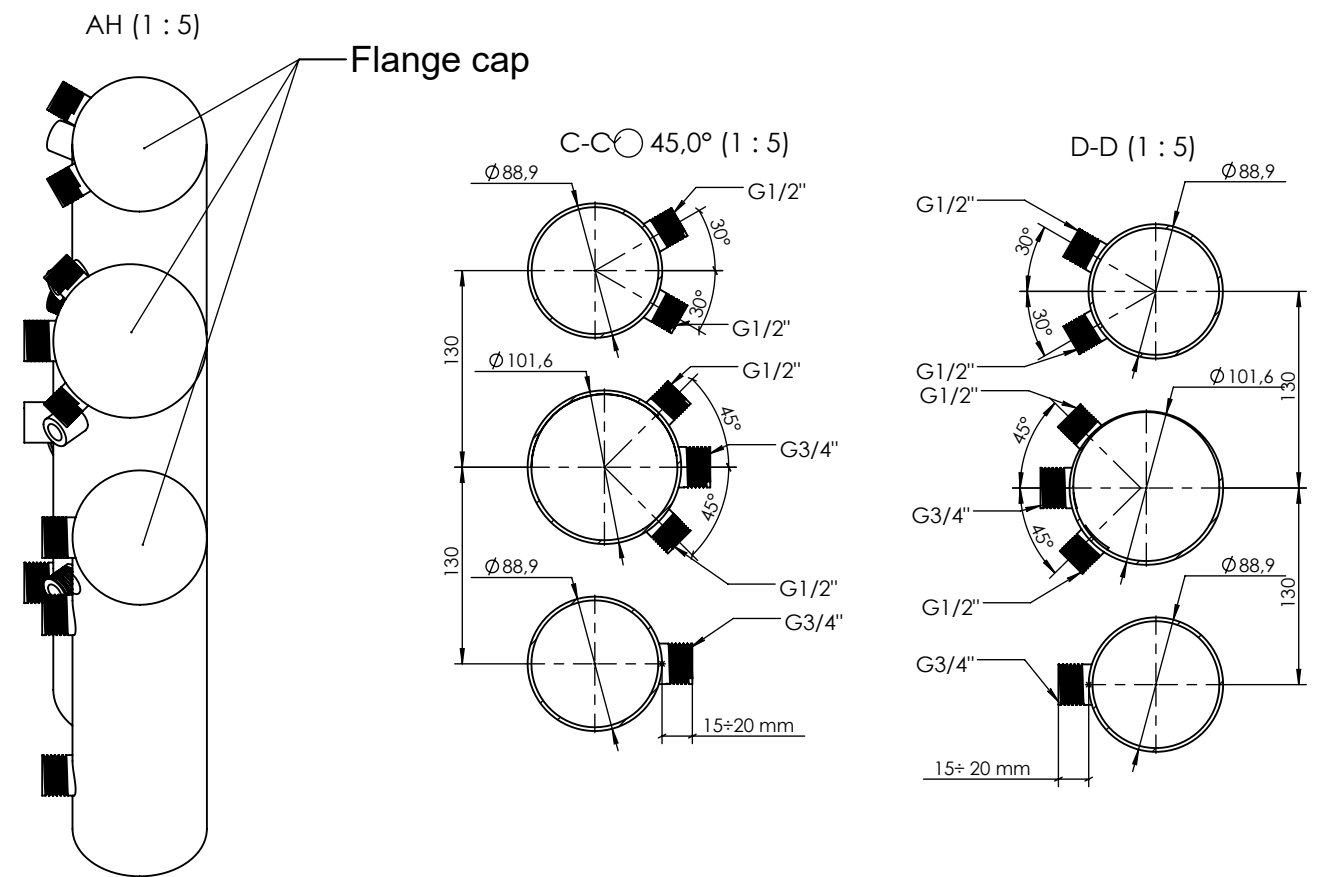
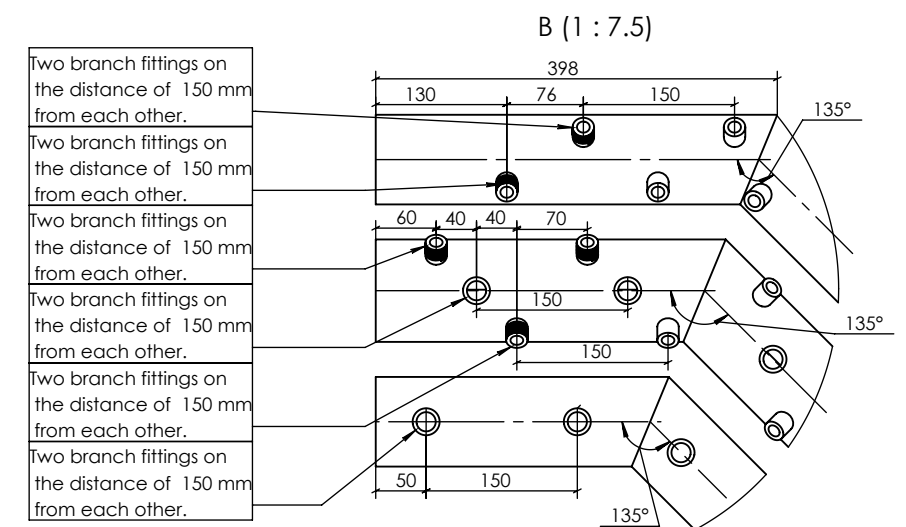
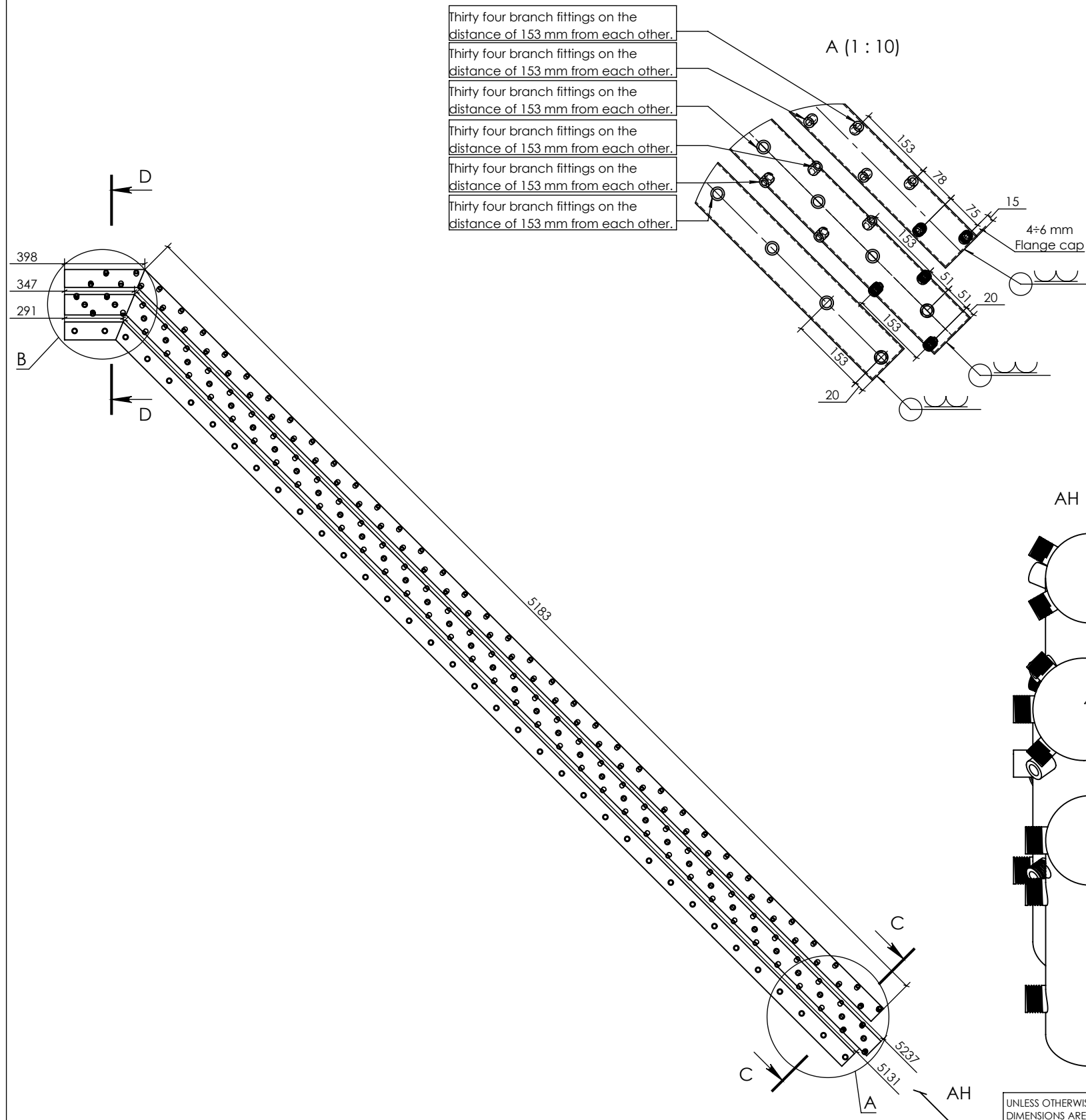
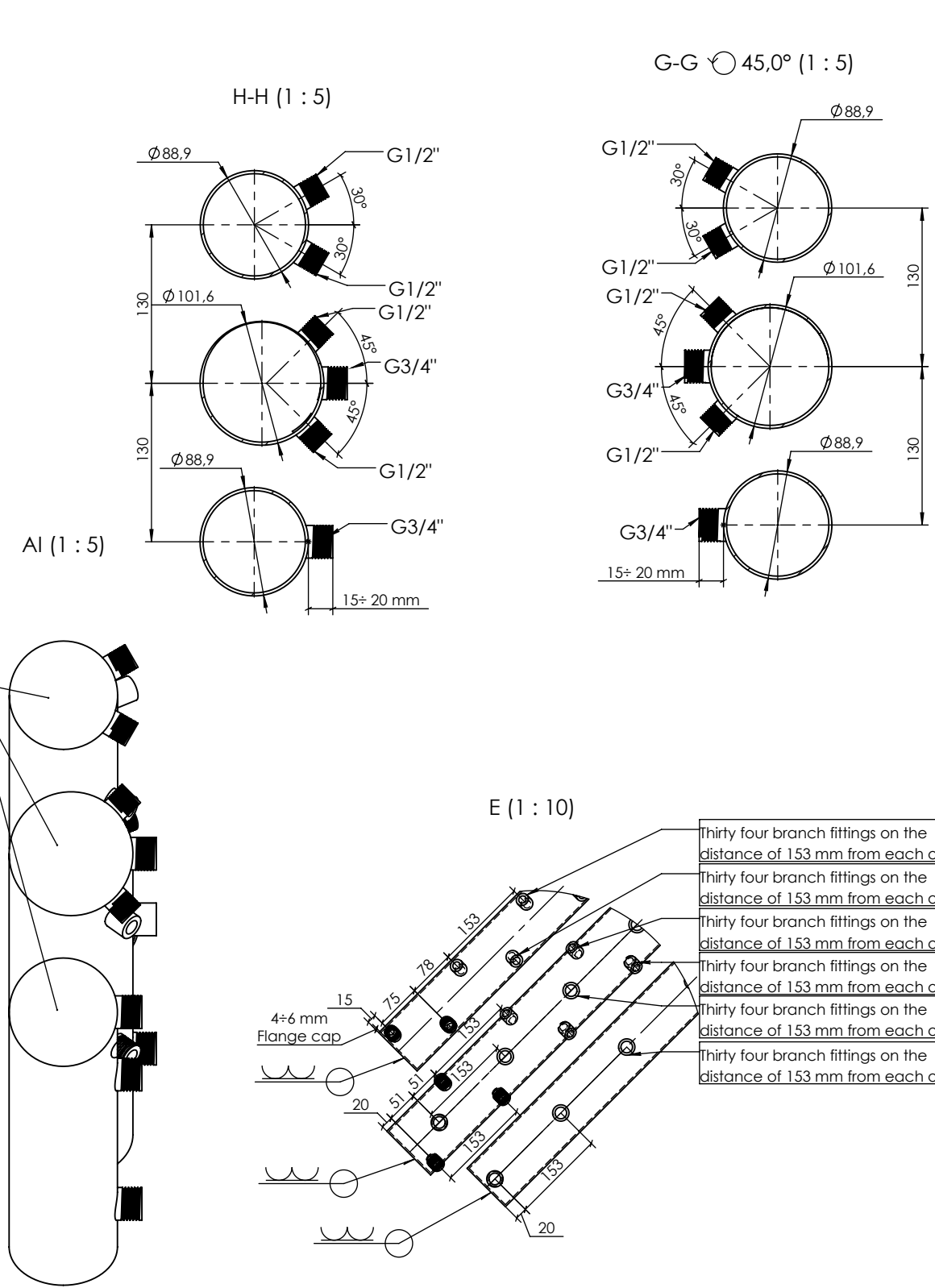
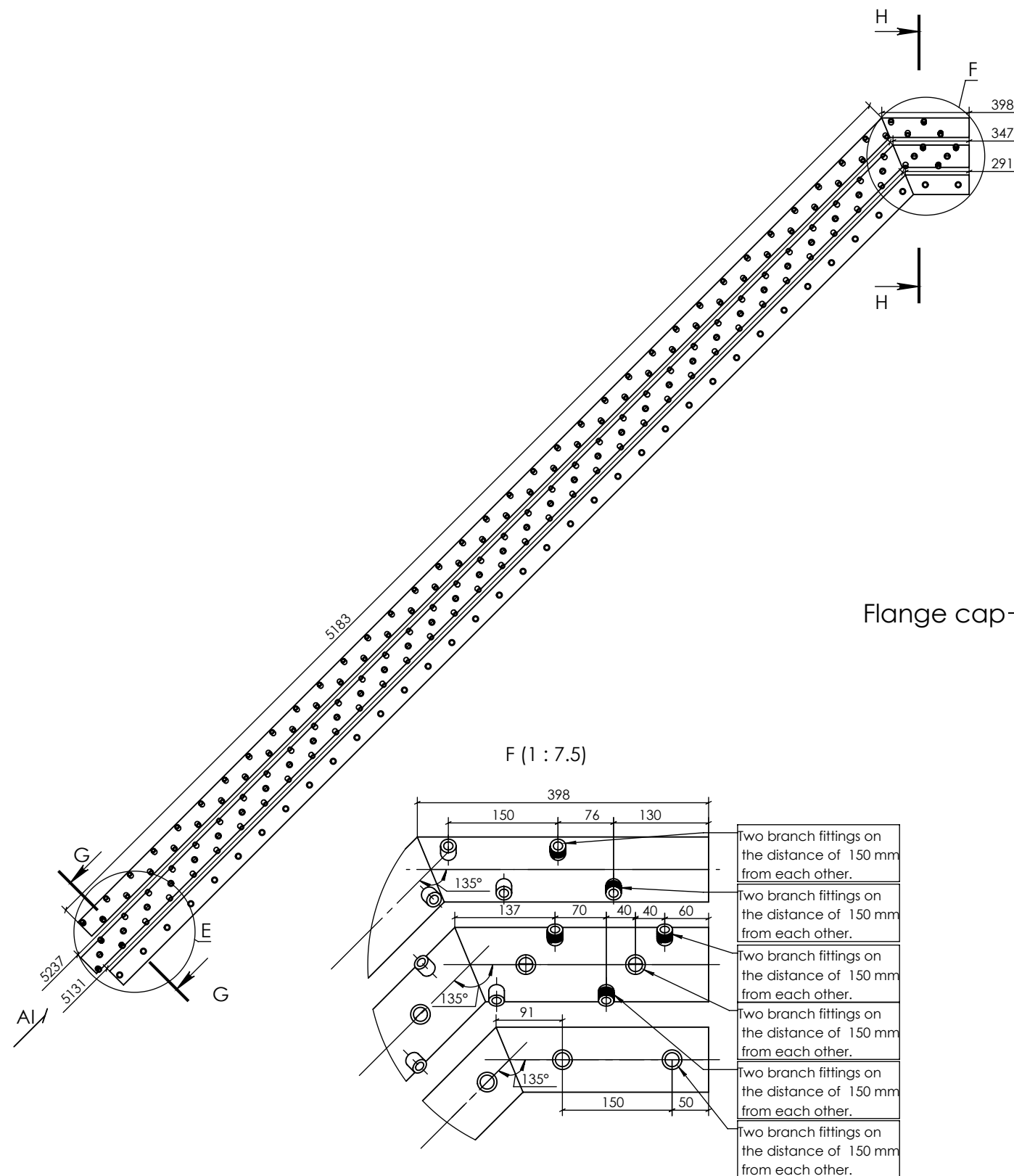




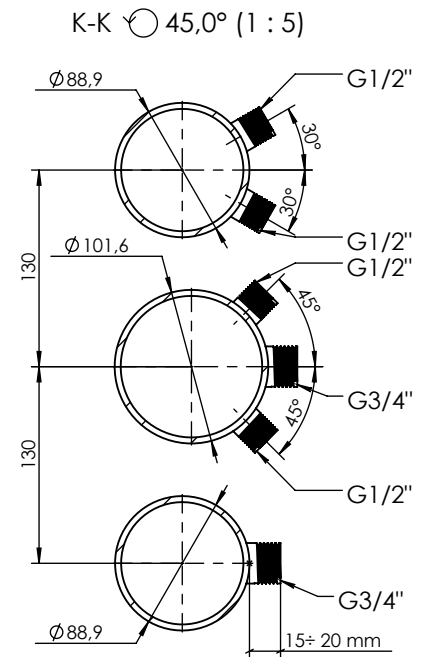
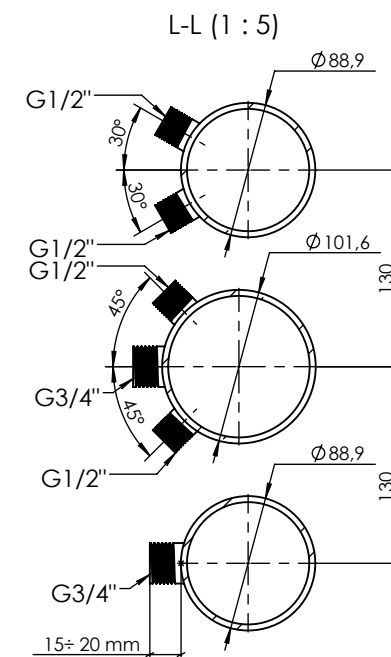
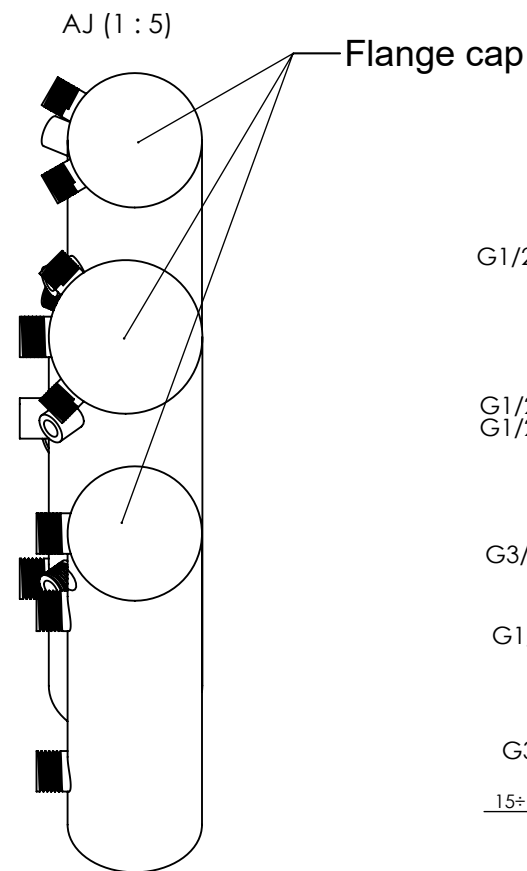
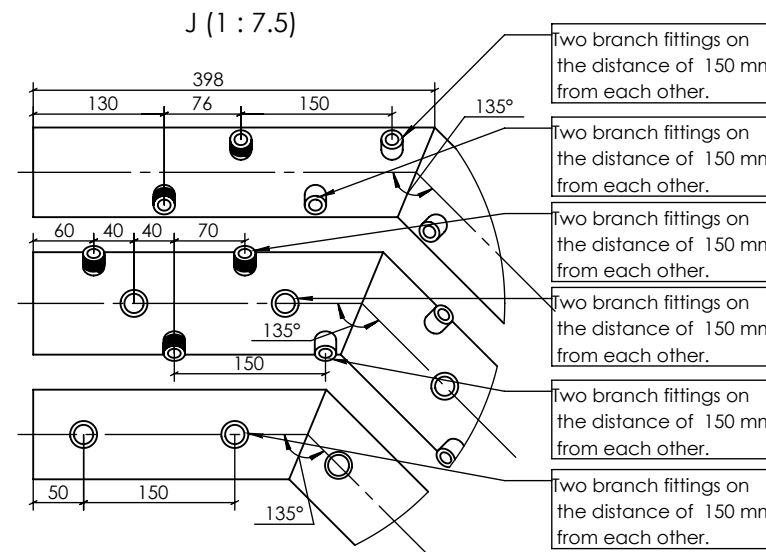
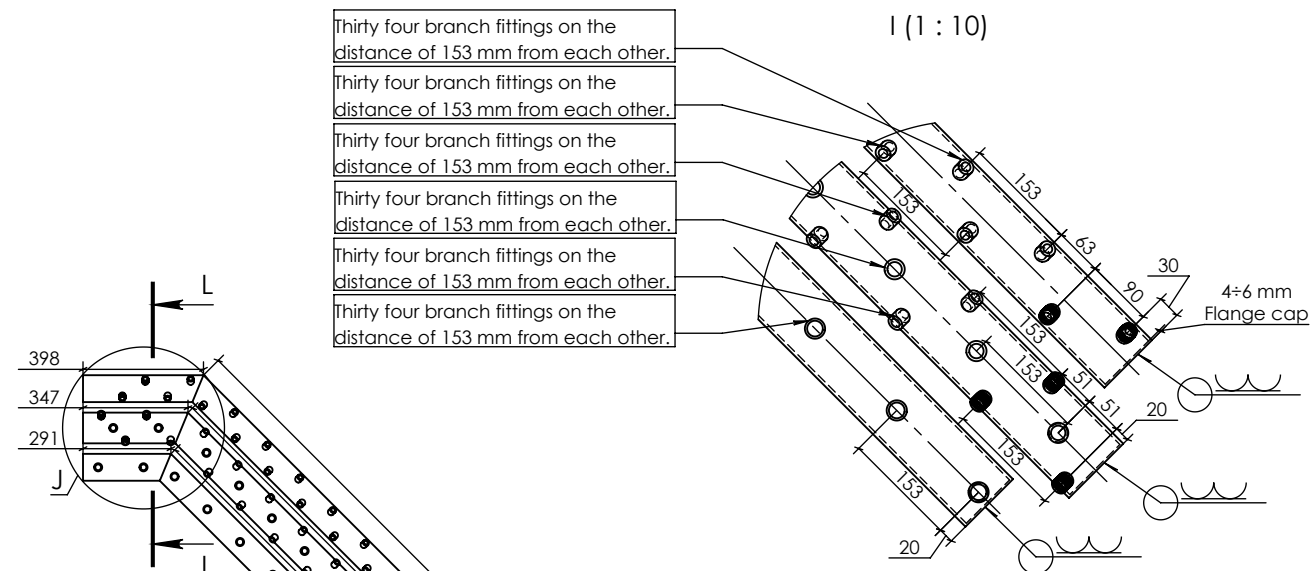
The wall thickness of the large-diameter pipe should be not less than 3.5 mm
The wall thickness of the fittings must be at least 3 mm.
Steel pipe mark: AISI 304,304L, 316,316L, 321,409,439 -general purpose pipe.
Threading on all fittings G1/2" and G3/4". Thread length is 12-15 mm.
All branch fittings are conjoined with the large diameter pipes.
The large diameter pipes (88.9mm and 101.6mm) are terminated with a welded caps on the lower ends.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION A-01	
								TUNNEL TECHNOLOGIES			
	NAME	SIGNATURE	DATE			TITLE: Collector right, central shaft					
DRAWN	Antonov D.		13.08.2018								
CHK'D			13.08.2018								
APPV'D											
MFG											
Q.A				MATERIAL:		DWG NO.				A3	
				AISI 304							
				WEIGHT: 97.59 kg		SCALE: 1:25				SHEET 1 OF 8	



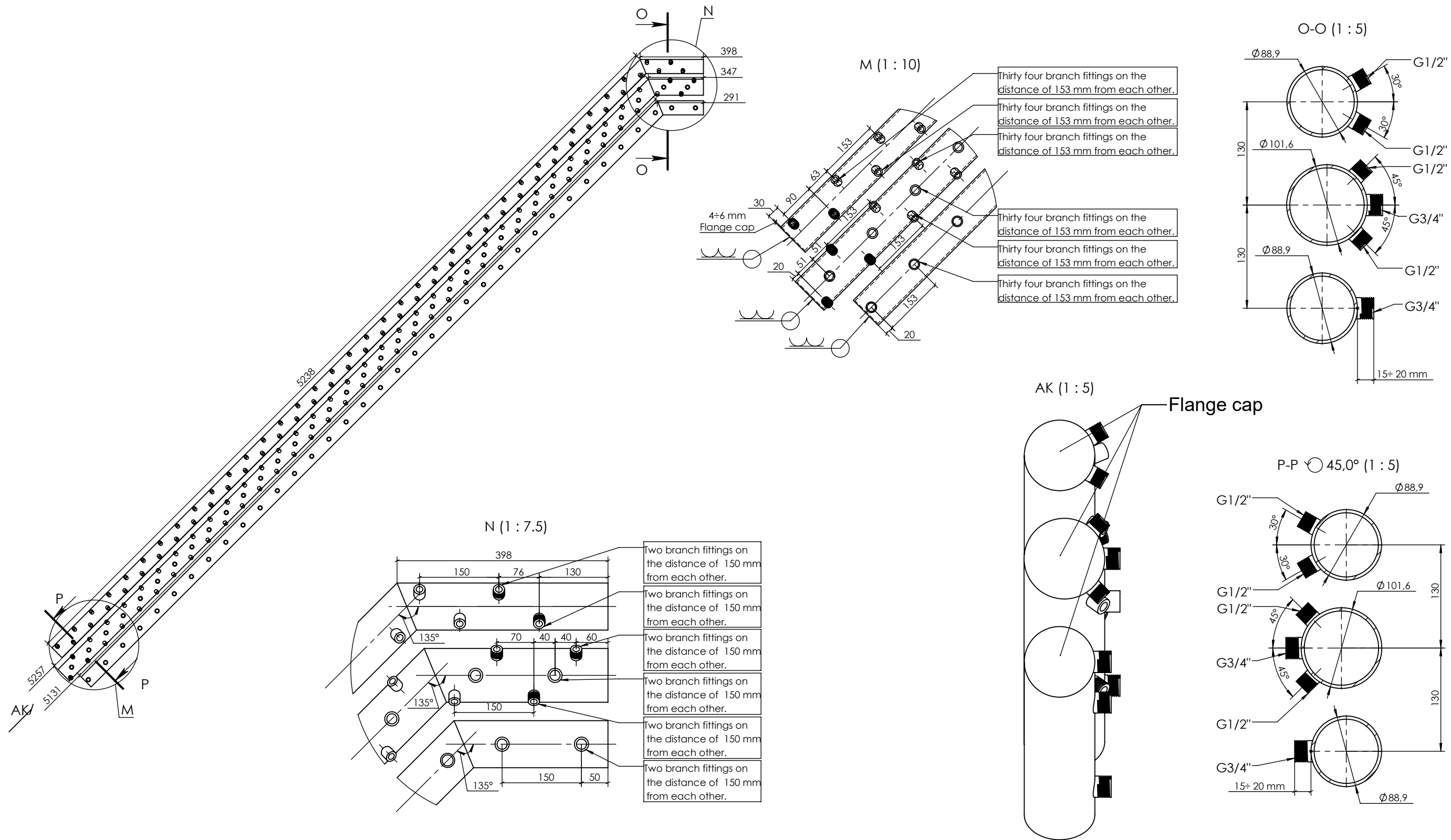
The wall thickness of the large-diameter pipe should be not less than 3.5 mm
The wall thickness of the fittings must be at least 3 mm.
Steel pipe mark: AISI 304,304L, 316,316L, 321,409,439 -general purpose pipe.
Threading on all fittings G1/2" and G3/4". Thread length is 12-15 mm.
All branch fittings are conjoined with the large diameter pipes.
The large diameter pipes (88.9mm and 101.6mm) are terminated with a welded caps
on the lower ends.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		A-01	
								 TUNNEL TECHNOLOGIES		TUNNEL TECHNOLOGIES			
NAME		SIGNATURE		DATE		TITLE: Collector left, central shaft							
DRAWN: Antonov D.				13.08.2018									
CHK'D													
APPV'D													
MFG													
Q.A						MATERIAL: AISI 304		DWG NO.		A3			
						WEIGHT: 97.59 kg		SCALE: 1:25		SHEET 2 OF 8			



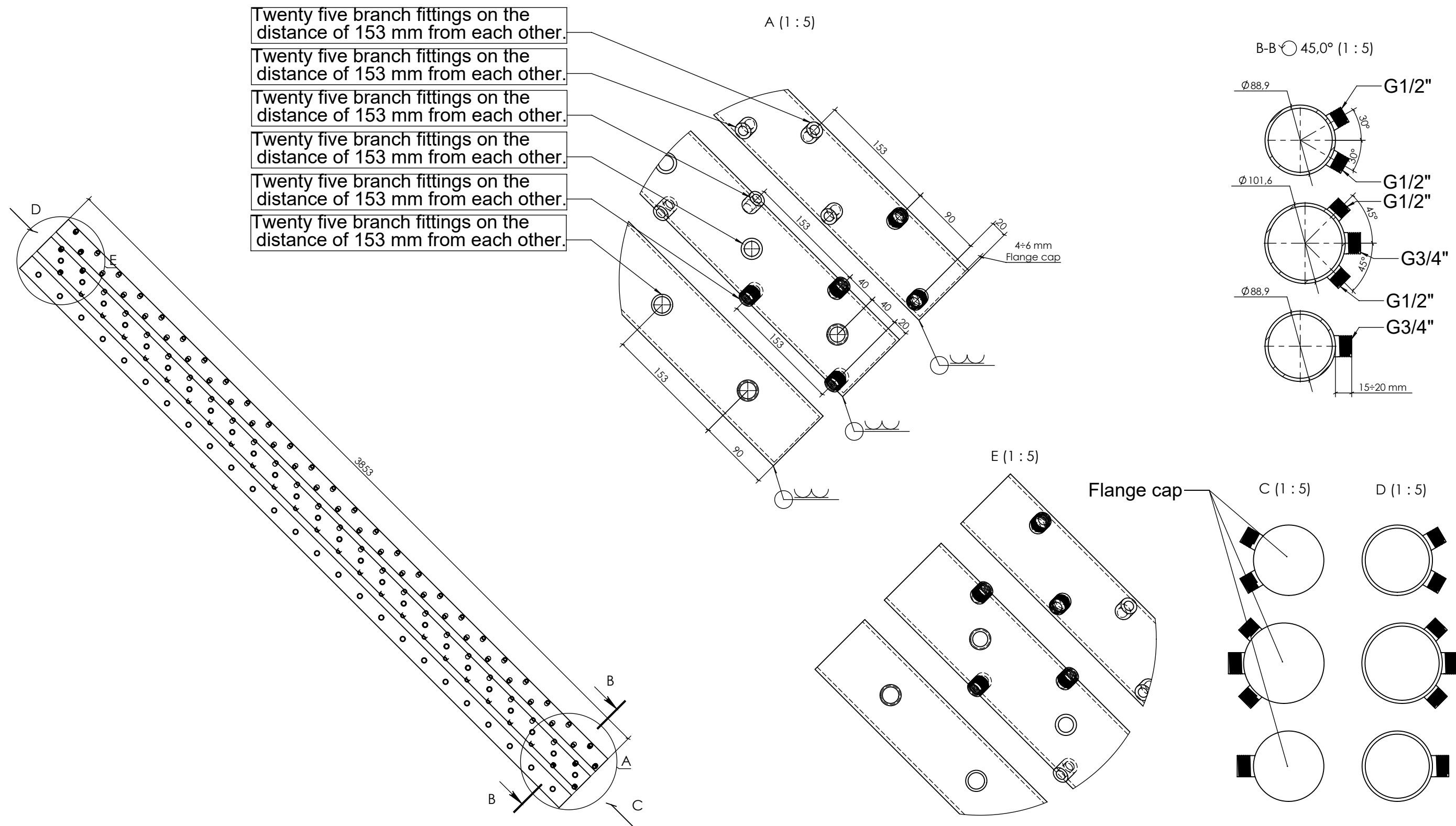
The wall thickness of the large-diameter pipe should be not less than 3.5 mm
The wall thickness of the fittings must be at least 3 mm.
Steel pipe mark: AISI 304,304L, 316,316L, 321,409,439 -general purpose pipe.
Threading on all fittings G1/2" and G3/4". Thread length is 12-15 mm.
All branch fittings are conjoined with the large diameter pipes.
The large diameter pipes (88.9mm and 101.6mm) are terminated with a welded caps on the lower ends.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:						FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		A-01		
 TUNNEL TECHNOLOGIES										TITLE: Collector left, side shaft						
	NAME		SIGNATURE		DATE											
DRAWN	Antonov D.				13.08.2018											
CHK'D																
APPV'D																
MFG																
Q.A																
											DWG NO.				A3	
											SCALE: 1:25				SHEET 3 OF 8	
											WEIGHT: 155.63 kg					



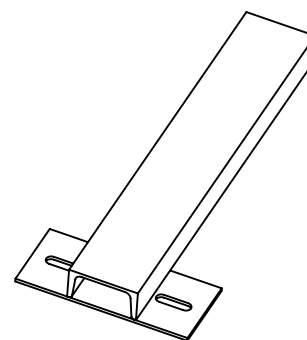
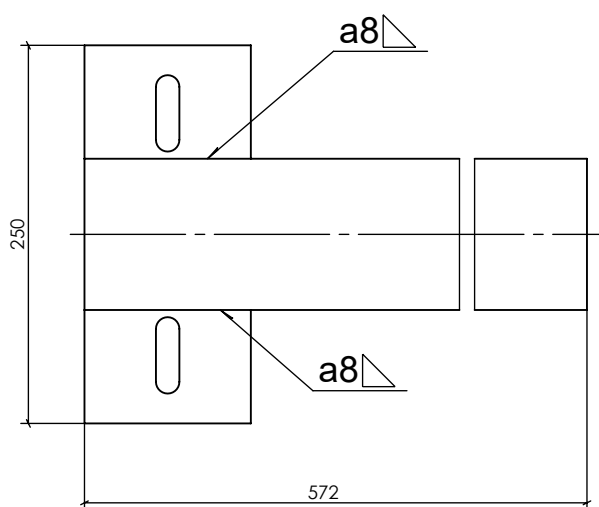
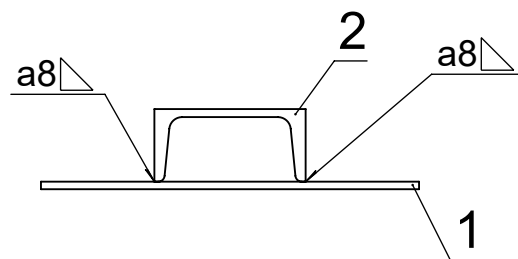
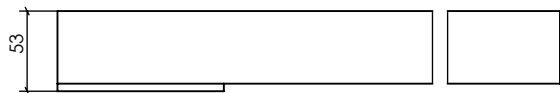
The wall thickness of the large-diameter pipe should be not less than 3.5 mm
The wall thickness of the fittings must be at least 3 mm.
Steel pipe mark: AISI 304,304L, 316,316L, 321,409,439 -general purpose pipe.
Threading on all fittings G1/2" and G3/4". Thread length is 12-15 mm.
All branch fittings are conjoined with the large diameter pipes.
The large diameter pipes (88.9mm and 101.6mm) are terminated with a welded caps on the lower ends.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		A-01		
										TUNNEL TECHNOLOGIES				
	NAME		SIGNATURE		DATE				TITLE: Collector right, side shaft					
DRAWN	Antonov D.				13.08.2018									
CHK'D					13.08.2018									
APP'VD														
MFG														
Q.A						MATERIAL: AISI 304		DWG NO.					A3	
						WEIGHT: 155.64 kg		SCALE: 1:25				SHEET 4 OF 8		

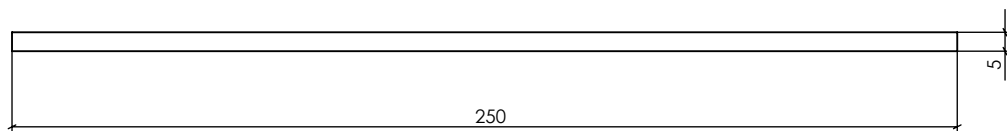
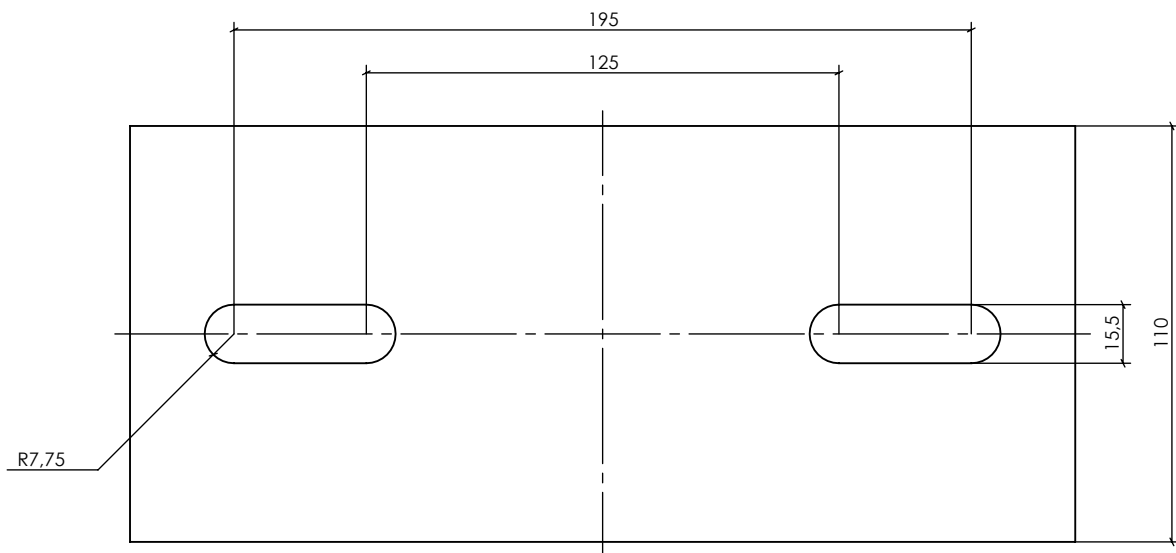


The wall thickness of the large-diameter pipe should be not less than 3.5 mm
The wall thickness of the fittings must be at least 3 mm.
Steel pipe mark: AISI 304,304L, 316,316L, 321,409,439 -general purpose pipe.
Threading on all fittings G1/2" and G3/4". Thread length is 12-15 mm.
All branch fittings are conjoined with the large diameter pipes.
The large diameter pipes (88.9mm and 101.6mm) are terminated with a welded caps on the lower ends.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		A-01					
								TUNNEL TECHNOLOGIES									
TITLE:								Upper collector (25 branch)									
DRAWN		Antonov D.		SIGNATURE		DATE								13.08.2018			
CHK'D						13.08.2018											
APPV'D																	
MFG																	
Q.A						MATERIAL:		AISI 304									
						WEIGHT: 108.90 kg		SCALE: 1:20				SHEET 5 OF 8					



ITEM		PART NUMBER				DESCRIPTION		Q-ty			
1		Plate						1			
2		GB_INTERCHANGEABLE_PART S_TM_SS 10X570						1			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:				DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION A-01	
								 TUNNEL TECHNOLOGIES			
DRAWN Antonov D.				13.08.2018							
CHK'D											
APPV'D											
MFG											
Q.A				MATERIAL:		DWG NO.		A4			
				WEIGHT: 6.685 kg		SCALE: 1:5		SHEET 6 OF 8			



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION A-01	
						 TUNNEL TECHNOLOGIES			
						TITLE: Plate			
						DWG NO.			
						A4			
						SCALE: 1:2			
						SHEET 7 OF 8			

NAME	SIGNATURE	DATE				
DRAWN Antonov D.		13.08.2018				
CHK'D						
APPV'D						
MFG						
Q.A						
			MATERIAL: Q235			
			WEIGHT: 1.019 kg			

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	Side collector (left) assembly		2
2	Side collector (right) assembly		2
3	Central collector (right) assembly		2
4	Central collector (left) assembly		2
5	Upper collector (25 branch)	Upper collector (25 branch)	2
6	Mounting Bracket		6



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION A-01		
						 TUNNEL TECHNOLOGIES				
	NAME	SIGNATURE	DATE			TITLE: Collectors (KOREA) Specification.				
DRAWN	Antonov D.		13.08.2018							
CHK'D										
APPV'D										
MFG										
Q.A				MATERIAL:		DWG NO.			A4	
				WEIGHT:		SCALE:1:25		SHEET 8 OF 8		