

Project report:



Company:
Address:
Town:
Phone:

System provider:
PRD Fire Solutions
Rejowska 99
26-110 Skarzysko-Kamienna

Customer:

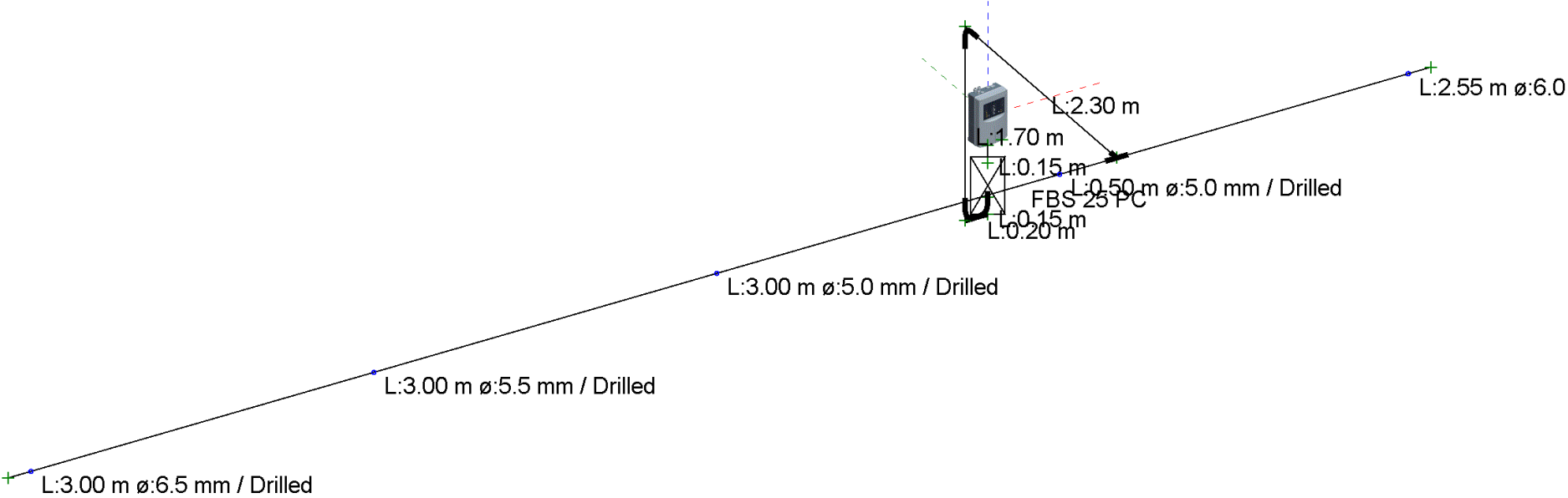
Comment:

EN 54-20 class	EN 54-20 compliant	possible reasons
C	Yes	
B	Yes	
A	Yes	

Project name:	
Project build date:	01/08/2017 15:54:45
Fan level:	III
Ambient temperature [°C]	20
Ambient pressure [hPa]	950

	Tube network I	Tube network II
Maximum smoke sensor sensitivity according EN 54-20 class C	1.018	--
Maximum smoke sensor sensitivity according EN 54-20 class B	0.177	--
Maximum smoke sensor sensitivity according EN 54-20 class A	0.060	--
Maximum transport time [s]	9	--
Overall sampling tube length [m]	17.45	--
Number of sampling points	5	--

Sketch of tube network:



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Part	Description	RL	TL	S[C]	S[B]	S[A]	P	FI	ø	t	L-cap	Comment:
	(ASD) ASD 535		0.00					1.43		0		
A1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.15	0.15				206	1.43		0		
A2	(FBS 25 PC) Filter-box small D=25 mm PC		0.65									
A3	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.15	0.80									
A4	(BE 25 PVC) Bend 90° D=25 mm PVC		0.80									
A5	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.20	1.00									
A6	(BE 25 PVC) Bend 90° D=25 mm PVC		1.00									
A7	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	1.70	2.70									
A8	(BE 25 PVC) Bend 90° D=25 mm PVC		2.70									
A9	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.30	5.00									
A10	(TP 25 PVC) T-piece D=25 mm PVC		5.00									
A10.A1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.75	7.75									
A10.A1 - 1	-1- Sampling point / drilled	2.55	7.55	6.650	1.160	0.390	121	0.27	6.00	5		
A10.B1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	9.70	14.70									
A10.B1 - 1	-1- Sampling point / drilled	0.50	5.50	6.180	1.070	0.370	117	0.29	5.00	2		
A10.B1 - 2	-2- Sampling point / drilled	3.00	8.50	6.670	1.160	0.400	100	0.27	5.00	3		
A10.B1 - 3	-3- Sampling point / drilled	3.00	11.50	5.790	1.010	0.340	91	0.31	5.50	5		
A10.B1 - 4	-4- Sampling point / drilled	3.00	14.50	6.630	1.150	0.390	89	0.27	6.50	9		
RL: Relative length of this part (distance to previous SP or bend) [m] TL: Total length of the part end to the ASD [m] S[C]: smoke sensitivity [%/m] for this sampling hole, when the smoke sensor alarm level is chosen as proposed in this report. S[B]: smoke sensitivity [%/m] for this sampling hole, when the smoke sensor alarm level is chosen as proposed in this report. S[A]: smoke sensitivity [%/m] for this sampling hole, when the smoke sensor alarm level is chosen as proposed in this report. P: Pressure [Pa] FI: airflow [Liter/s] of this sampling point t: transport time to the ASD [s] L-cap: Length of the capillary / stub [m]												

Material list:

Part	Number	Length [m]	Rod length [m]	Number of rods	Comment:
(ASD) ASD 535	1				
(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	7	16.95			
(SO 25 PVC) Socket D=25 mm PVC	5				
(FBS 25 PC) Filter-box small D=25 mm PC	1				
(BE 25 PVC) Bend 90° D=25 mm PVC	3				
(TP 25 PVC) T-piece D=25 mm PVC	1				
(EC 25 PVC) End cap D=25 mm PVC	2				
(PC 25 PP) Pipe clamp type Goema halogen-free	18				