

Project report: System ssący - pom. archiwizacji S.7



System provider:

Company:
Address:
Town:
Phone:

Customer:

Szczeciński Park Naukowo – Technologiczny Sp. z o.o.
ul. Niemierzyńska 17a
71-441 Szczecin

Comment:

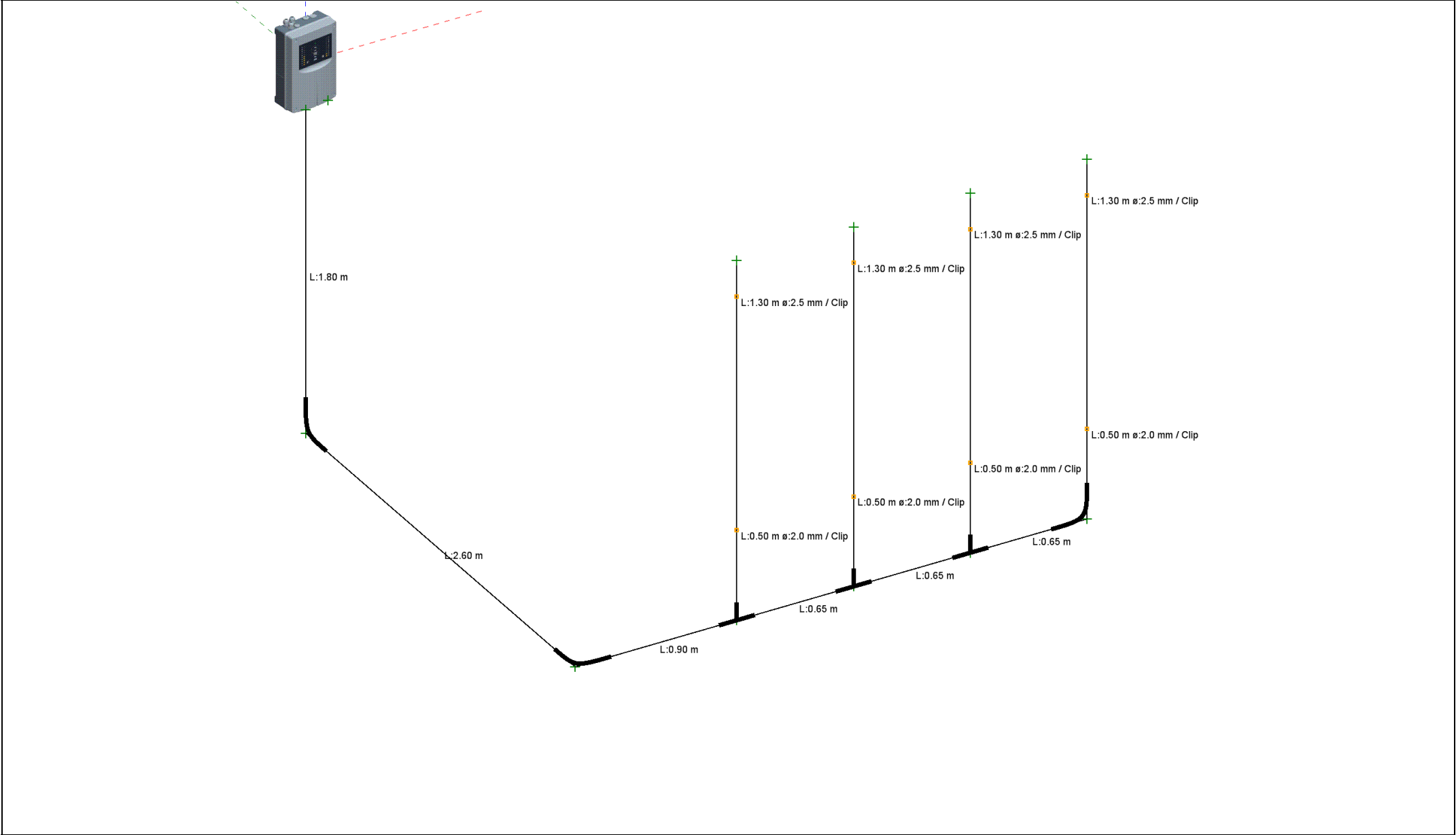
Budowa i wyposażenie I etapu POMERANIA TECHNOPARK w Szczecinie przy ul. Niemierzyńskiej

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

Project name:	System ssący - pom. archiwizacji S.7
Project build date:	2013-09-06 14:48:49
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	0.833	--
Maximum smoke sensor sensitivity according EN 54-20 class B	0.145	--
Maximum smoke sensor sensitivity according EN 54-20 class A	0.049	--
Maximum transport time [s]	17	--
Overall sampling tube length [m]	15.25	--
Number of sampling points	8	--

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					0.53		0		
A1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	1.80	1.80				250	0.53		0		
A2	(BE 25 PVC) Bend 90° D=25 mm PVC		1.80									
A3	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.60	4.40									
A4	(BE 25 PVC) Bend 90° D=25 mm PVC		4.40									
A5	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.90	5.30									
A6	(TP 25 PVC) T-piece D=25 mm PVC		5.30									
A6.A1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.65	5.95									
A6.A2	(TP 25 PVC) T-piece D=25 mm PVC		5.95									
A6.A2.A1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.65	6.60									
A6.A2.A2	(TP 25 PVC) T-piece D=25 mm PVC		6.60									
A6.A2.A2.A1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	0.65	7.25									
A6.A2.A2.A2	(BE 25 PVC) Bend 90° D=25 mm PVC		7.25									
A6.A2.A2.A3	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.00	9.25									
A6.A2.A2.A3 - 1	-1- Sampling point / clip	0.50	7.75	6.670	1.160	0.400	240	0.07	2.00	10		
A6.A2.A2.A3 - 2	-2- Sampling point / clip	1.30	9.05	6.670	1.160	0.400	239	0.07	2.50	17		
A6.A2.A2.B1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.00	8.60									
A6.A2.A2.B1 - 1	-1- Sampling point / clip	0.50	7.10	6.670	1.160	0.400	240	0.07	2.00	8		
A6.A2.A2.B1 - 2	-2- Sampling point / clip	1.30	8.40	6.670	1.160	0.400	240	0.07	2.50	14		
A6.A2.B1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.00	7.95									
A6.A2.B1 - 1	-1- Sampling point / clip	0.50	6.45	6.660	1.160	0.400	240	0.07	2.00	7		
A6.A2.B1 - 2	-2- Sampling point / clip	1.30	7.75	6.670	1.160	0.400	240	0.07	2.50	13		
A6.B1	(TU 25 PVC) Sampling tube D=25 mm PVC, l=5 m	2.00	7.30									
A6.B1 - 1	-1- Sampling point / clip	0.50	5.80	6.650	1.160	0.390	241	0.07	2.00	6		
A6.B1 - 2	-2- Sampling point / clip	1.30	7.10	6.660	1.160	0.390	241	0.07	2.50	13		
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	10	15.25			
(SO 25 PVC) Socket D=25 mm PVC	4				
(BE 25 PVC) Bend 90° D=25 mm PVC	3				
(TP 25 PVC) T-piece D=25 mm PVC	3				
(EC 25 PVC) End cap D=25 mm PVC	4				
(CLIP 2.0 PA) Sampling hole clip d=2.0 mm red PA	4				
(CLIP 2.5 PA) Sampling hole clip d=2.5 mm red PA	4				
(PC 25 PP) Pipe clamp type Goema halogen-free	16				