



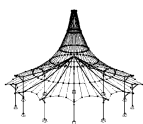


AUTORIZACE: 		INVESTOR:  Obec Velké Přílepy Pražská 162 252 64 Velké Přílepy IČO: 00241806	
GENERÁLNÍ PROJEKTANT: 		HADRABA, s.r.o. Chalúpeckého 1824, 252 63, Roztoky tel.: 603 586 997, michal@hadraba.cz IČO: 029 40 540	
KOOPERANT: 		Piada, s.r.o. Chmelenského 267, 386 01 Strakonice Tel.: 605 722 310, e-mail: milos.bratka@piada.cz IČO: 276 34 710	
HLAVNÍ INŽENÝR PROJEKTU ING. MICHAL HADRABA		ZODPOVĚDNÝ PROJEKTANT ING. MILOŠ BRÁTKA	
KRESLIL ING. VOJTĚCH ZADRAŽIL			
KRAJ / K.Ú.: STŘEDOČESKÝ KRAJ, K.Ú. VELKÉ PŘÍLEPY		ZAK. Č.	A18-007
AKCE: Posílení vodovodní sítě obce Velké Přílepy v úseku vodojem Na Habří - ATS (výměna vod. přivaděče) obec Velké Přílepy, ulice Roztocká		FORMÁT	20 x A4
		MĚŘÍTKO	-
		DATUM	prosinec 2018
NÁZEV ČÁSTI DOKUMENTACE: SO 301 - Nová armaturní šachta		ČÁST DOKUM. D.1.2	STUPEŇ PD DPS
NÁZEV VÝKRESU : Statický posudek		Č.VÝKR. 03	PARÉ



Projekt:

Model: Šachta

Datum: 24. 1. 2019

MODEL - ZÁKLADNÍ ÚDAJE

Obecné	Název modelu	: Šachta
	Typ modelu	: 3D
	Kladný směr globální osy Z	: Nahoru
	Klasifikace zatěžovacích stavů a kombinací	: Podle normy: Žádná Národní příloha: Není

MATERIÁLY

Mat. č.	Modul E [MPa]	Modul G [MPa]	Poissonův souč. ν [-]	Objem. tíha γ [kN/m ³]	Souč. tepl. roz. α [1/K]	Souč. spolehlivosti γ_M [-]	Materiálový model
1	Beton C35/45 EN 1992-1-1:2004/AC:2010 34000.000	14166.700	0.200	25.00	1.00E-05	1.00	Izotropní lineárně elastický
2	Beton C30/37 EN 1992-1-1:2004/AC:2010 33000.000	13750.000	0.200	25.00	1.00E-05	1.00	Izotropní lineárně elastický
3	Zdivo (Cihla, Skupina 2, Standardní malta, M10 - M20, <= 0,5 - 3 mm) 4014.000	1672.500	0.200	12.72	6.00E-06	2.20	Izotropní lineárně elastický
Uživatelsky zadáný materiál							
4	Topolové a jehličnaté dřevo C24 ČSN EN 1995-1-1:2010-05 11000.000	690.000	6.971	4.20	5.00E-06	1.30	Izotropní lineárně elastický
5	Ocel S 235 ČSN EN 1993-1-1:2006 210000.000	80769.200	0.300	78.50	1.20E-05	1.00	Izotropní lineárně elastický

PLOCHY

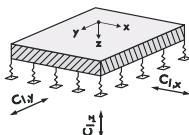
Plocha č.	Typ plochy		Hraniční linie č.	Mat. č.	Tloušťka		Plocha A [m ²]	Hmotnost G [kg]
	Geometrie	Tuhost			Typ	d [mm]		
1	Rovinná	Norma	1,2,4,3	2	Konstantní	200.0	10.608	5303.8
2	Rovinná	Norma	10,13,61,57,60	2	Konstantní	200.0	5.851	2925.6
3	Rovinná	Norma	14,17,5,9	2	Konstantní	200.0	0.339	169.5
4	Rovinná	Norma	15,18,5,10	2	Konstantní	200.0	0.339	169.5
5	Rovinná	Norma	16,19,14,11	2	Konstantní	200.0	0.339	169.5
6	Rovinná	Norma	16,20,15,12	2	Konstantní	200.0	0.339	169.5
7	Rovinná	Norma	22,24,28,62,59,61	2	Konstantní	200.0	8.970	4485.0
8	Rovinná	Norma	29,32,21,25	2	Konstantní	200.0	0.339	169.5
9	Rovinná	Norma	30,33,21,26	2	Konstantní	200.0	0.339	169.5
10	Rovinná	Norma	31,34,29,27	2	Konstantní	200.0	0.339	169.5
11	Rovinná	Norma	31,35,30,28	2	Konstantní	200.0	0.339	169.5
12	Rovinná	Norma	12,13,22,36	2	Konstantní	200.0	1.831	915.3
13	Rovinná	Norma	17,18,20,19	2	Konstantní	200.0	1.277	638.5
14	Rovinná	Norma	32,33,35,34	2	Konstantní	200.0	1.277	638.5
15	Rovinná	Norma	39,37,25,46,45	2	Konstantní	200.0	1.831	915.3
16	Rovinná	Norma	11,36,24,26,37,38	2	Konstantní	200.0	5.472	2736.2
17	Rovinná	Norma	27,62,58,63,45,46	2	Konstantní	200.0	5.806	2903.1
18	Rovinná	Norma	9,38,39,63,56,60	2	Konstantní	200.0	9.137	4568.8
19	Rovinná	Norma	3,23,58,41	2	Konstantní	200.0	0.550	275.0
20	Rovinná	Norma	4,7,59,23	2	Konstantní	200.0	0.850	425.0
21	Rovinná	Norma	1,6,56,41	2	Konstantní	200.0	0.850	425.0
22	Rovinná	Norma	2,7,57,6	2	Konstantní	200.0	0.550	275.0

PLOCHY - INTEGROVANÉ OBJEKTY

Plocha č.	Integrované objekty č.			Komentář
	Uzly	Linie	Otvory	
1			7,8	
2			1	
7			4-6	
17			2,3	

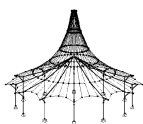
PLOŠNÉ PODPORY

Podloží č.	Plochy č.	Konstanta tuhosti v RF-SOILIN	Translační tuhost [MN/m ³]			Smyková tuhost [kN/m]	
			u_x	u_y	u_z	v_{xz}	v_{yz}
1	12-16	+	1.000	1.000			



ZATĚŽOVACÍ STAVY

Zatěž. stav	Označení zatěž. stavu	Bez normy Kategorie účinků	Vlastní tíha - Součinitel ve směru			
			Aktivní	X	Y	Z
ZS1	Vlastní tíha	Stálé	<input checked="" type="checkbox"/>	0.000	0.000	-1.000
ZS3	Zemní tlak	Stálé	<input type="checkbox"/>			
ZS6	Užitné zatížení stropu a podlah	Užitné	<input type="checkbox"/>			



Projekt:

Model: Šachta

Datum: 24. 1. 2019

ZATĚŽOVACÍ STAVY - PARAMETRY VÝPOČTU

Zatěž. stav	Označení zatěž. stavu	Parametry výpočtu	
ZS1	Vlastní tíha	Způsob výpočtu	: <input checked="" type="radio"/> Teorie I. řádu (geometrický lineární výpočet)
		Metoda pro řešení systému nelineárních algebraických rovnic	: <input checked="" type="radio"/> Newton-Raphson
ZS3	Zemní tlak	Způsob výpočtu	: <input checked="" type="radio"/> Teorie I. řádu (geometrický lineární výpočet)
		Metoda pro řešení systému nelineárních algebraických rovnic	: <input checked="" type="radio"/> Newton-Raphson
ZS6	Užitné zatížení stropu a podlah	Způsob výpočtu	: <input checked="" type="radio"/> Teorie I. řádu (geometrický lineární výpočet)
		Metoda pro řešení systému nelineárních algebraických rovnic	: <input checked="" type="radio"/> Newton-Raphson

KOMBINACE ZATÍŽENÍ

Kombin. zatížení	Kombinace zatížení		č.	Součinitel	Zatěžovací stav	
	NS	Označení				
KZ1	ULS	MSÚ 1	1	1.35	ZS1	Vlastní tíha
			2	1.50	ZS3	Zemní tlak
			3	1.50	ZS6	Užitné zatížení stropu a podlah
KZ2	SLS	MS_kvazistálé	1	1.00	ZS1	Vlastní tíha
			2	1.00	ZS3	Zemní tlak
			3	0.30	ZS6	Užitné zatížení stropu a podlah

KOMBINACE ZATÍŽENÍ - PARAMETRY VÝPOČTU

Kombin. zatížení	Označení	Parametry výpočtu	
KZ1	MSÚ 1	Způsob výpočtu	: <input checked="" type="radio"/> Analýza podle II. řádu (P-Delta)
		Metoda pro řešení systému nelineárních algebraických rovnic	: <input checked="" type="radio"/> Picard
		Možnosti	: <input checked="" type="checkbox"/> Zohlednit příznivé tahové účinky
			: <input checked="" type="checkbox"/> Vztáhnout vnitřní síly na přetvořený systém pro:
			: <input checked="" type="checkbox"/> Normálové síly N
			: <input checked="" type="checkbox"/> Smykové síly V_y a V_z
			: <input checked="" type="checkbox"/> Momenty M_y , M_z a M_T
		Aktivovat součinitele tuhosti:	: <input checked="" type="checkbox"/> Materiály (dílní souč. spolehlivosti γ_M)
			: <input checked="" type="checkbox"/> Průřezy (součinitel pro J , I_y , I_z , A , A_y , A_z)
			: <input checked="" type="checkbox"/> Pruty (faktor pro GJ , EL_y , EL_z , EA , GA_y , GA_z)
KZ2	MS_kvazistálé	Způsob výpočtu	: <input checked="" type="radio"/> Analýza podle II. řádu (P-Delta)
		Metoda pro řešení systému nelineárních algebraických rovnic	: <input checked="" type="radio"/> Picard
		Možnosti	: <input checked="" type="checkbox"/> Zohlednit příznivé tahové účinky
			: <input checked="" type="checkbox"/> Vztáhnout vnitřní síly na přetvořený systém pro:
			: <input checked="" type="checkbox"/> Normálové síly N
			: <input checked="" type="checkbox"/> Smykové síly V_y a V_z
			: <input checked="" type="checkbox"/> Momenty M_y , M_z a M_T
		Aktivovat součinitele tuhosti:	: <input checked="" type="checkbox"/> Materiály (dílní souč. spolehlivosti γ_M)
			: <input checked="" type="checkbox"/> Průřezy (součinitel pro J , I_y , I_z , A , A_y , A_z)
			: <input checked="" type="checkbox"/> Pruty (faktor pro GJ , EL_y , EL_z , EA , GA_y , GA_z)

ZS3

Zemní tlak

ZATÍŽENÍ NA PLOCHU

ZS3: Zemní tlak

č.	Na plochách č.	Zatížení typ	Zatížení průběh	Zatížení směr	Parametry zatížení			Na uzlu č.
					Symbol	Hodnota	Jednotka	
1	5,10,17	Síla	Lineární v Z	XL	p_1	-3.82	kN/m ²	59
2	2,4,9	Síla	Lineární v Z	XL	p_2	-9.54	kN/m ²	30
					p_1	3.82	kN/m ²	59
3	3,8,18	Síla	Lineární v Z	YL	p_2	9.54	kN/m ²	30
					p_1	-3.82	kN/m ²	59
4	6,7,11	Síla	Lineární v Z	YL	p_2	-9.54	kN/m ²	30
					p_1	3.82	kN/m ²	59
5	12,15,16	Síla	Konstantní	ZL	p	9.54	kN/m ²	
6	13,14	Síla	Konstantní	ZL	p	10.34	kN/m ²	

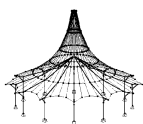
ZS6

Užitné zatížení stropu a podlah

ZATÍŽENÍ NA PLOCHU

ZS6: Užitné zatížení stropu a podlah

č.	Na plochách č.	Zatížení typ	Zatížení průběh	Zatížení směr	Parametry zatížení		
					Symbol	Hodnota	Jednotka
1	1	Síla	Konstantní	ZL	p	-5.00	kN/m ²



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 3/20

Oddíl: 1

VÝSLEDKY

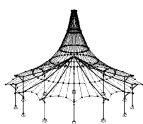
Projekt:

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■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]				
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}		
1	ZS1	1	0.000	-2.500	0.000	0.355	0.136	-0.690	0.493	0.330	-0.625	0.697	-0.210	-10.105		
		4	1.500	-2.500	0.000	0.406	0.557	-0.949	0.345	0.504	-0.863	3.869	1.395	-3.700		
		5	2.000	-2.500	0.000	0.134	0.411	-0.579	-0.046	0.476	-0.396	3.978	2.099	-1.816		
		6	2.500	-2.500	0.000	0.267	0.527	-0.818	0.073	0.553	-0.602	3.374	1.352	-0.616		
		7	3.000	-2.500	0.000	0.456	0.637	-1.146	0.390	0.646	-0.982	2.767	1.216	-1.741		
		8	3.500	-2.500	0.000	0.622	0.632	-1.353	0.614	0.787	-1.303	1.266	0.769	-2.907		
		9	4.000	-2.500	0.000	0.432	0.434	-1.044	0.637	0.598	-1.056	-0.415	0.271	-4.890		
		10	0.000	-2.000	0.000	0.000	-0.103	-1.081	1.303	0.591	-0.710	0.146	0.000	-3.485		
		11	0.500	-2.000	0.000	0.547	0.627	-0.956	0.442	0.236	-0.897	0.064	2.131	-2.353		
		12	1.000	-2.000	0.000	1.192	1.532	-0.947	-0.491	0.007	-1.293	-2.050	0.124	-3.514		
		13	1.500	-2.000	0.000	1.000	1.683	-0.470	-0.699	0.006	-1.520	0.249	0.578	-1.164		
		14	2.000	-2.000	0.000	0.831	1.504	-0.127	-0.762	0.000	-1.446	0.451	1.753	-0.528		
		15	2.500	-2.000	0.000	0.961	1.558	-0.404	-0.708	0.000	-1.407	0.598	1.691	-0.427		
		16	3.000	-2.000	0.000	1.103	1.534	-0.852	-0.457	0.019	-1.347	0.391	0.925	-0.511		
		17	3.500	-2.000	0.000	0.947	1.278	-1.139	0.076	0.128	-1.289	-0.261	0.069	-1.029		
		18	4.000	-2.000	0.000	0.390	0.546	-1.243	0.949	0.392	-1.035	-1.064	0.000	-2.815		
		19	0.000	-1.500	0.000	0.000	-0.328	-1.293	1.383	0.500	-0.262	-1.183	0.000	-1.816		
		20	0.500	-1.500	0.000	0.331	0.623	-0.132	-0.203	0.027	-0.647	0.110	0.290	-1.648		
		21	1.000	-1.500	0.000	1.092	1.594	-0.238	-0.959	0.000	-1.489	-0.469	0.000	-1.582		
		22	1.500	-1.500	0.000	1.134	1.989	-0.175	-1.041	0.000	-1.907	0.000	0.632	-0.639		
		23	2.000	-1.500	0.000	1.063	2.057	-0.051	-1.037	0.000	-2.032	0.001	1.791	-0.519		
		24	2.500	-1.500	0.000	1.175	1.988	-0.142	-1.100	0.000	-1.921	0.039	1.570	-0.442		
		25	3.000	-1.500	0.000	1.146	1.744	-0.390	-0.921	0.000	-1.578	0.198	1.343	-0.876		
		26	3.500	-1.500	0.000	0.621	1.145	-0.320	-0.399	0.001	-1.048	-0.143	0.083	-0.771		
		27	4.000	-1.500	0.000	0.125	0.264	-0.756	0.644	0.177	-0.454	-0.574	0.000	-2.170		
		28	0.000	-1.000	0.000	0.000	-0.217	-1.315	1.525	0.594	-0.587	-1.169	0.000	-2.735		
		29	0.500	-1.000	0.000	0.677	1.075	-0.939	0.194	0.000	-1.007	0.073	0.011	-2.086		
		30	1.000	-1.000	0.000	1.203	1.655	-0.738	-0.723	0.000	-1.397	0.301	0.217	-1.290		
		31	1.500	-1.000	0.000	1.146	1.930	-0.384	-0.932	0.000	-1.760	0.019	0.842	-0.158		
		32	2.000	-1.000	0.000	1.010	2.074	-0.141	-0.933	0.000	-2.010	0.311	1.932	-0.625		
		35	3.500	-1.000	0.000	0.636	1.376	-0.662	-0.166	0.000	-1.185	0.337	0.072	-0.560		
		36	4.000	-1.000	0.000	0.228	0.425	-0.969	0.795	0.212	-0.691	-0.433	0.000	-2.252		
		37	0.000	-0.500	0.000	0.000	0.230	-1.125	1.290	0.614	-1.008	-1.996	0.000	-4.410		
		38	0.500	-0.500	0.000	0.943	1.107	-1.672	0.725	0.571	-1.674	-0.505	0.000	-1.835		
		39	1.000	-0.500	0.000	1.097	1.263	-1.358	0.241	0.139	-1.382	0.556	0.065	-0.487		
		40	1.500	-0.500	0.000	0.919	1.179	-0.824	-0.279	0.000	-0.996	1.145	0.882	-0.070		
		41	2.000	-0.500	0.000	0.700	1.133	-0.482	-0.426	0.066	-0.991	1.269	1.511	-0.500		
		44	3.500	-0.500	0.000	0.953	1.226	-1.583	0.631	0.359	-1.585	-0.419	0.000	-1.197		
		45	4.000	-0.500	0.000	0.444	0.641	-1.297	0.920	0.540	-1.247	-1.170	0.000	-2.817		
		46	0.000	0.000	0.000	0.308	0.333	-0.132	-0.226	0.000	-0.283	-0.258	0.000	-8.704		
		47	0.500	0.000	0.000	0.431	0.000	-1.104	0.624	1.142	-1.093	2.106	0.977	-5.461		
		48	1.000	0.000	0.000	-0.045	0.000	-1.165	0.781	1.385	-0.955	4.886	2.120	-4.933		
		49	1.500	0.000	0.000	-0.274	0.000	-1.183	0.654	1.389	-0.586	6.338	2.200	-2.895		
		50	2.000	0.000	0.000	-0.310	0.000	-1.329	0.432	1.429	-0.223	6.968	2.432	-1.422		
		51	2.500	0.000	0.000	-0.327	0.000	-1.207	0.496	1.293	-0.255	9.723	5.039	-4.674		
		52	3.000	0.000	0.000	-0.012	0.000	-1.110	0.648	1.325	-0.851	6.379	3.268	-3.995		
		53	3.500	0.000	0.000	0.296	0.000	-1.138	0.584	1.303	-1.044	1.250	0.362	-3.271		
		54	4.000	0.000	0.000	0.293	0.142	-0.532	0.174	0.545	-0.622	0.187	0.372	-5.994		
			ZS3	1	0.000	-2.500	0.000	0.222	0.157	-0.535	0.313	0.378	-0.535	4.055	6.227	-5.610
				4	1.500	-2.500	0.000	-0.195	0.000	-0.861	0.328	0.957	-0.229	-1.795	0.000	-5.079
				5	2.000	-2.500	0.000	-0.254	0.000	-0.929	0.301	0.971	-0.089	-2.212	0.000	-5.216
				6	2.500	-2.500	0.000	-0.240	0.000	-0.897	0.372	0.992	-0.227	-2.226	0.000	-5.051
				7	3.000	-2.500	0.000	-0.134	0.000	-0.772	0.441	0.913	-0.448	-1.326	0.000	-4.419
				8	3.500	-2.500	0.000	0.071	0.057	-0.665	0.454	0.684	-0.601	0.743	0.532	-3.689
9	4.000			-2.500	0.000	0.152	0.136	-0.594	0.413	0.473	-0.581	2.908	3.106	-3.370		
10	0.000			-2.000	0.000	0.262	0.220	-0.445	0.183	0.225	-0.445	0.384	0.148	-1.719		
11	0.500			-2.000	0.000	0.027	-0.055	-0.269	0.286	0.194	-0.184	0.062	2.276	-1.547		
12	1.000			-2.000	0.000	-0.162	-0.005	-0.604	0.518	0.718	-0.464	-1.640	0.142	-5.368		
13	1.500			-2.000	0.000	-0.335	0.000	-0.665	0.443	0.745	-0.187	-1.596	0.000	-5.029		
14	2.000			-2.000	0.000	-0.341	0.000	-0.670	0.369	0.696	-0.054	-1.517	0.000	-5.206		
15	2.500			-2.000	0.000	-0.330	0.000	-0.630	0.383	0.673	-0.096	-1.433	0.000	-4.588		
16	3.000			-2.000	0.000	-0.252	0.000	-0.546	0.391	0.628	-0.221	-0.931	0.000	-3.861		
17	3.500			-2.000	0.000	-0.115	0.010	-0.464	0.376	0.525	-0.332	0.201	0.485	-4.062		
18	4.000			-2.000	0.000	0.044	0.067	-0.453	0.392	0.382	-0.432	0.535	1.068	-3.596		
19	0.000			-1.500	0.000	0.056	0.003	-0.443	0.389	0.100	-0.106	0.000	-1.474	-4.532		
20	0.500			-1.500	0.000	0.001	-0.222	-0.315	0.330	0.244	-0.037	0.005	0.049	-3.364		
21	1.000			-1.500	0.000	-0.311	0.000	-0.422	0.349	0.450	-0.067	-2.278	0.000	-3.120		
22	1.500			-1.500	0.000	-0.334	0.000	-0.516	0.381	0.555	-0.086	-1.427	0.000	-4.830		
23	2.000			-1.500	0.000	-0.354	0.000	-0.543	0.383	0.569	-0.055	-1.078	0.000	-5.478		
24	2.500			-1.500	0.000	-0.370	0.000	-0.508	0.388	0.523	-0.033	-1.164	0.000	-4.246		
25	3.000			-1.500	0.000	-0.323	0.000	-0.415	0.385	0.462	-0.110	-1.175	0.000	-2.952		
26	3.500			-1.500	0.000	-0.166	-0.055	-0.344	0.283	0.380	-0.097	-1.318	-0.144	-3.014		
27	4.000			-1.500	0.000	-0.018	-0.121	-0.351	0.376	0.227	-0.113	0.000	-0.825	-3.686		
28	0.000			-1.000	0.000	0.000	-0.007	-0.394	0.447	0.232	-0.278	0.000	-0.541	-3.824		
29	0.500			-1.000	0.000	-0.156	-0.020	-0.336	0.364	0.394	-0.246	-0.010	0.625	-4.019		
30	1.000			-1.000	0.000	-0.279	0.000	-0.436	0.344	0.485	-0.114	-1.578	0.000	-3.397		
31	1.500			-1.000	0.000	-0.328	0.000	-0.548	0.348	0.566	-0.038	-1.338	0.000	-4.904		
32	2.000			-1.000	0.000	-0.330	0.000	-0.625	0.410	0.684	-0.139	-1.164	0.000	-5.914		
35	3.500			-1.000	0.000	-0.156	-0.004	-0.380	0.200	0.402	-0.062	-1.530	0.011	-3.660		
36	4.000	-1.000	0.000	-0.077	-0.014	-0.330	0.361	0.293	-0.233	0.000	-0.254	-3.503				
37	0.000	-0.500	0.000	0.283	0.221	-0.589	0.312	0.359	-0.586	0.443	2.345	-0.974				
38	0.500	-0.500	0.000	0.176	0.068	-0.656	0.464	0.596	-0.647	1.879	1.997	-5.199				
39	1.000	-0.500	0.000	-0.114	0.000	-0.612	0.419	0.734	-0.427	-0.181	0.000	-4.156				
40	1.500	-0.500	0.000	-0.237	0.000	-0.739	0.396	0.846	-0.267	-1.324	0.000	-5.088				
41	2.000	-0.500	0.000	-0.254	0.000	-0.866	0.335	0.933	-0.147	-1.365	0.000	-6.188				
44	3.500	-0.500	0.000	0.064	0.010	-0.652	0.344	0.746	-0.512	0.544	0.465	-4.357				
45	4.000	-0.500	0.000	0.2												



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 4/20

Oddíl: 1

VÝSLEDKY

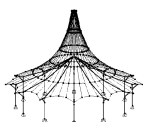
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}
1	ZS3	53	3.500	0.000	0.000	0.123	0.085	-0.781	0.563	0.764	-0.753	0.214	0.080	-3.692
		54	4.000	0.000	0.000	0.016	0.110	-0.586	0.495	0.516	-0.550	5.215	4.225	-3.684
	ZS6	1	0.000	-2.500	0.000	0.321	0.109	-0.648	0.460	0.299	-0.541	-0.068	0.483	-5.212
		4	1.500	-2.500	0.000	0.328	0.309	-0.953	0.325	0.715	-0.725	-0.537	-0.039	-1.329
		5	2.000	-2.500	0.000	0.081	0.232	-0.725	0.149	0.510	-0.247	0.075	-0.296	-0.789
		6	2.500	-2.500	0.000	0.177	0.346	-0.907	0.116	0.698	-0.429	0.017	-0.308	-0.787
		7	3.000	-2.500	0.000	0.335	0.477	-1.138	0.375	0.757	-0.806	-0.018	-0.415	-1.085
		8	3.500	-2.500	0.000	0.460	0.507	-1.221	0.545	0.802	-1.093	-0.073	-0.752	-1.539
		9	4.000	-2.500	0.000	0.307	0.319	-0.896	0.589	0.559	-0.878	-0.396	-0.610	-2.751
		10	0.000	-2.000	0.000	0.000	-0.132	-1.043	1.252	0.559	-0.637	-0.746	0.000	-1.848
		11	0.500	-2.000	0.000	0.476	0.578	-0.913	0.469	0.241	-0.851	-0.143	-0.247	-1.979
		12	1.000	-2.000	0.000	1.039	1.338	-0.828	-0.426	0.008	-1.130	-1.348	-0.065	-2.079
		13	1.500	-2.000	0.000	0.888	1.459	-0.439	-0.605	0.027	-1.331	-0.077	-0.721	-1.159
		14	2.000	-2.000	0.000	0.741	1.285	-0.128	-0.623	-0.042	-1.232	0.000	-0.415	-1.169
		15	2.500	-2.000	0.000	0.844	1.321	-0.343	-0.622	0.002	-1.203	0.000	-0.446	-1.156
		16	3.000	-2.000	0.000	0.981	1.316	-0.742	-0.405	0.030	-1.179	0.000	-0.672	-1.235
		17	3.500	-2.000	0.000	0.835	1.101	-0.999	0.060	0.133	-1.131	-0.295	-0.711	-1.452
		18	4.000	-2.000	0.000	0.331	0.431	-1.133	0.891	0.363	-0.882	-1.086	-0.229	-1.892
		19	0.000	-1.500	0.000	0.000	-0.345	-1.321	1.418	0.516	-0.267	-1.290	0.000	-1.569
		20	0.500	-1.500	0.000	0.278	0.564	-0.138	-0.147	0.029	-0.586	-0.056	-0.662	-1.351
		21	1.000	-1.500	0.000	1.015	1.476	-0.242	-0.879	0.000	-1.369	-0.044	-1.091	-1.370
		22	1.500	-1.500	0.000	1.041	1.829	-0.173	-0.949	0.000	-1.748	0.000	-0.805	-1.246
		23	2.000	-1.500	0.000	0.968	1.890	-0.057	-0.938	0.000	-1.862	0.000	-0.394	-1.303
		24	2.500	-1.500	0.000	1.077	1.825	-0.139	-1.003	0.000	-1.760	0.000	-0.332	-1.370
		25	3.000	-1.500	0.000	1.032	1.581	-0.321	-0.849	0.000	-1.444	0.000	-0.605	-1.387
		26	3.500	-1.500	0.000	0.547	1.021	-0.260	-0.364	0.001	-0.946	-0.338	-0.630	-1.386
		27	4.000	-1.500	0.000	0.087	0.203	-0.736	0.665	0.169	-0.387	-1.170	0.000	-1.607
		28	0.000	-1.000	0.000	0.000	-0.255	-1.314	1.498	0.544	-0.474	-1.306	0.000	-1.896
		29	0.500	-1.000	0.000	0.586	0.949	-0.835	0.193	0.000	-0.893	-0.881	-0.065	-1.500
		30	1.000	-1.000	0.000	1.103	1.492	-0.670	-0.666	0.000	-1.259	0.000	-0.808	-1.262
		31	1.500	-1.000	0.000	1.044	1.737	-0.348	-0.849	0.000	-1.584	0.000	-0.672	-1.023
		32	2.000	-1.000	0.000	0.903	1.866	-0.116	-0.840	0.000	-1.813	0.000	-0.506	-1.031
		35	3.500	-1.000	0.000	0.608	1.266	-0.661	-0.122	0.000	-1.091	-0.526	-0.053	-1.501
		36	4.000	-1.000	0.000	0.198	0.364	-0.951	0.823	0.201	-0.635	-0.919	0.000	-1.769
		37	0.000	-0.500	0.000	0.000	0.095	-1.006	1.182	0.563	-0.834	-1.752	0.000	-2.452
		38	0.500	-0.500	0.000	0.803	0.914	-1.445	0.639	0.536	-1.447	-0.905	-0.028	-1.815
		39	1.000	-0.500	0.000	0.952	1.012	-1.167	0.202	0.186	-1.185	0.000	-0.805	-1.116
		40	1.500	-0.500	0.000	0.781	0.885	-0.688	-0.211	0.000	-0.767	-0.020	-0.589	-0.678
		41	2.000	-0.500	0.000	0.594	0.869	-0.468	-0.333	0.081	-0.743	-0.179	0.003	-0.701
		44	3.500	-0.500	0.000	0.860	1.016	-1.446	0.585	0.431	-1.447	-0.468	0.000	-1.498
		45	4.000	-0.500	0.000	0.386	0.506	-1.170	0.855	0.525	-1.103	-1.187	0.000	-2.053
		46	0.000	0.000	0.000	0.176	0.202	-0.054	-0.144	0.000	-0.179	0.355	0.000	-5.679
		47	0.500	0.000	0.000	0.186	0.000	-0.951	0.563	1.082	-0.880	-0.918	0.000	-1.897
		48	1.000	0.000	0.000	-0.188	0.000	-1.258	0.705	1.505	-0.764	0.111	0.000	-1.601
		49	1.500	0.000	0.000	-0.343	0.000	-1.507	0.597	1.684	-0.431	0.487	0.000	-1.225
		50	2.000	0.000	0.000	-0.359	0.000	-1.730	0.420	1.782	-0.113	0.512	0.132	-0.843
		51	2.500	0.000	0.000	-0.303	0.000	-1.573	0.569	1.753	-0.446	1.298	0.659	-0.722
		52	3.000	0.000	0.000	-0.104	0.000	-1.242	0.583	1.488	-0.724	0.531	0.576	-1.634
		53	3.500	0.000	0.000	0.099	0.000	-1.115	0.466	1.330	-0.781	-0.282	-0.454	-1.930
		54	4.000	0.000	0.000	0.129	0.088	-0.446	0.188	0.522	-0.482	0.235	-0.581	-3.518
	KZ1	1	0.000	-2.500	0.000	0.759	0.289	-1.877	1.189	0.821	-1.181	0.920	0.149	-14.244
		4	1.500	-2.500	0.000	0.568	0.093	-2.700	0.900	2.763	-1.625	-0.069	0.000	-10.988
		5	2.000	-2.500	0.000	-0.080	0.099	-2.458	0.570	2.342	-0.474	0.432	0.000	-7.338
		6	2.500	-2.500	0.000	0.153	0.472	-2.940	0.728	2.546	-0.958	0.097	0.000	-7.082
7		3.000	-2.500	0.000	0.567	0.900	-3.388	1.129	2.727	-1.934	-0.091	0.000	-7.778	
8		3.500	-2.500	0.000	0.860	1.075	-3.255	1.441	2.434	-2.555	0.135	0.089	-8.571	
9		4.000	-2.500	0.000	0.547	0.596	-2.247	1.586	1.450	-1.932	-0.227	0.408	-8.648	
10		0.000	-2.000	0.000	0.000	-0.355	-2.950	3.473	1.363	-1.531	-2.693	0.000	-7.486	
11		0.500	-2.000	0.000	0.941	1.390	-2.270	1.418	0.587	-2.066	-0.678	5.193	-7.096	
12		1.000	-2.000	0.000	2.397	3.116	-1.949	-0.945	0.018	-2.637	-7.578	0.295	-15.602	
13		1.500	-2.000	0.000	2.083	3.384	-1.117	-1.360	0.149	-3.138	-5.095	0.000	-8.234	
14		2.000	-2.000	0.000	1.691	2.921	-0.302	-1.439	0.032	-2.903	-3.870	0.000	-6.329	
15		2.500	-2.000	0.000	1.993	3.077	-0.920	-1.321	0.052	-2.881	-3.399	0.000	-5.522	
16		3.000	-2.000	0.000	2.367	3.106	-1.928	-0.861	0.222	-2.906	-2.720	-0.756	-5.486	
17		3.500	-2.000	0.000	1.962	2.602	-2.546	0.332	0.460	-2.810	-0.676	-3.112	-6.609	
18		4.000	-2.000	0.000	0.697	0.872	-3.054	2.569	0.981	-2.066	-1.168	-4.091	-7.777	
19		0.000	-1.500	0.000	0.000	-1.066	-4.198	4.461	1.496	-0.693	-1.417	-4.715	-11.215	
20		0.500	-1.500	0.000	0.426	1.331	-0.396	-0.053	0.081	-1.389	-0.017	-1.670	-8.067	
21		1.000	-1.500	0.000	2.465	3.701	-0.586	-2.138	0.000	-3.442	-6.139	0.000	-8.484	
22		1.500	-1.500	0.000	2.522	4.602	-0.372	-2.324	0.000	-4.427	-4.701	0.000	-7.771	
23		2.000	-1.500	0.000	2.304	4.761	-0.065	-2.271	0.000	-4.729	-4.100	0.000	-6.560	
24		2.500	-1.500	0.000	2.576	4.632	-0.302	-2.414	0.000	-4.492	-3.763	-0.249	-5.082	
25		3.000	-1.500	0.000	2.546	4.015	-0.854	-2.054	0.000	-3.654	-0.476	-2.603	-5.201	
26		3.500	-1.500	0.000	1.292	2.500	-0.725	-0.750	0.012	-2.329	0.000	-4.992	-6.375	
27		4.000	-1.500	0.000	0.150	0.336	-2.387	2.287	0.514	-0.900	0.000	-6.684	-7.951	
28		0.000	-1.000	0.000	0.000	-0.880	-4.144	4.580	1.465	-1.022	0.000	-6.818	-9.804	
29		0.500	-1.000	0.000	1.262	2.295	-2.178	0.909	0.006	-2.295	-0.033	-4.561	-6.884	
30		1.000	-1.000	0.000	2.764	3.743	-1.830	-1.538	0.000	-3.139	-5.229	0.000	-6.383	
31		1.500	-1.000	0.000	2.597	4.357	-0.985	-2.036	0.000	-3.933	-3.726	0.000	-7.231	
32	2.000	-1.000	0.000	2.085	4.581	-0.146	-2.003	0.000	-4.517	-3.167	0.000	-7.571		
35	3.500	-1.000	0.000	1.486	3.147	-1.802	-0.137	0.028	-2.722	-4.153	-0.381	-6.561		
36	4.000	-1.000	0.000	0.359	0.737	-2.738	2.534	0.597	-1.489	-2.714	-3.439	-7.139		
37	0.000	-0.500	0.000	0.000	-0.106	-2.596	3.103	1.316	-1.717	-4.270	-0.627	-7.339		
38	0.500	-0.500	0.000	1.778	2.007	-3.486	1.707	1.482	-3.488	-2.966	-0.227	-6.074		
39	1.000	-0.500	0.000	2.236	2.158	-2.934	0.684	0.820	-3.484	-2.194	0.000	-7.013		
40	1.500	-0.500	0.000	1.780	1.680	-1.735	0.003	0.028	-1.756	-1.415	0.000	-7.493		
41	2.000	-0.500	0.0											



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 5/20

Oddíl: 1

VÝSLEDKY

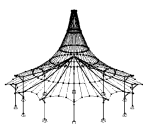
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]				
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}		
1	KZ1	51	2.500	0.000	0.000	-0.961	0.000	-5.430	1.909	6.113	-1.631	6.085	1.079	-9.153		
		52	3.000	0.000	0.000	-0.479	0.000	-4.136	1.399	4.749	-1.532	3.469	2.373	-9.145		
		53	3.500	0.000	0.000	-0.240	0.000	-3.280	0.981	3.743	-1.204	-0.526	0.000	-10.808		
		54	4.000	0.000	0.000	0.009	0.170	-1.343	0.665	1.402	-0.901	1.818	1.114	-7.431		
	KZ2	1	0.000	-2.500	0.000	0.240	0.140	-0.800	0.549	0.315	-0.444	0.803	0.287	-7.476		
		4	1.500	-2.500	0.000	0.123	0.000	-1.259	0.414	1.388	-0.665	0.733	0.000	-6.614		
		5	2.000	-2.500	0.000	-0.121	0.014	-1.235	0.272	1.244	-0.176	0.984	0.000	-4.454		
		6	2.500	-2.500	0.000	0.005	0.125	-1.406	0.351	1.331	-0.405	0.746	0.000	-4.237		
		7	3.000	-2.500	0.000	0.191	0.330	-1.579	0.532	1.349	-0.823	0.760	0.000	-4.719		
		8	3.500	-2.500	0.000	0.319	0.425	-1.457	0.640	1.140	-1.068	1.308	0.163	-5.468		
		9	4.000	-2.500	0.000	0.201	0.224	-0.990	0.711	0.657	-0.802	0.924	0.425	-4.868		
		10	0.000	-2.000	0.000	0.000	-0.146	-1.354	1.589	0.588	-0.677	-1.161	0.050	-4.192		
		11	0.500	-2.000	0.000	0.352	0.581	-0.970	0.657	0.249	-0.870	-0.348	4.295	-4.022		
		12	1.000	-2.000	0.000	0.997	1.296	-0.824	-0.379	0.007	-1.098	-4.261	0.246	-9.340		
		13	1.500	-2.000	0.000	0.861	1.411	-0.488	-0.556	0.081	-1.310	-2.666	0.000	-4.883		
		14	2.000	-2.000	0.000	0.685	1.221	-0.140	-0.598	0.046	-1.215	-1.748	0.000	-3.775		
		15	2.500	-2.000	0.000	0.834	1.281	-0.414	-0.544	0.065	-1.223	-1.412	0.000	-3.227		
		16	3.000	-2.000	0.000	1.002	1.303	-0.851	-0.334	0.127	-1.247	-1.376	0.000	-3.183		
		17	3.500	-2.000	0.000	0.819	1.092	-1.113	0.188	0.227	-1.213	-0.805	-0.540	-3.988		
		18	4.000	-2.000	0.000	0.273	0.338	-1.371	1.185	0.440	-0.865	-0.170	-2.045	-4.618		
		19	0.000	-1.500	0.000	0.000	-0.499	-2.006	2.122	0.682	-0.299	-0.727	-2.495	-6.641		
		20	0.500	-1.500	0.000	0.121	0.553	-0.178	0.047	0.037	-0.580	-0.009	-0.602	-4.568		
		21	1.000	-1.500	0.000	1.042	1.594	-0.246	-0.905	0.000	-1.486	-3.225	0.000	-4.975		
		22	1.500	-1.500	0.000	1.066	1.987	-0.146	-0.989	0.000	-1.918	-2.309	0.000	-4.570		
		23	2.000	-1.500	0.000	0.970	2.062	-0.020	-0.960	0.000	-2.052	-1.856	0.000	-3.936		
		24	2.500	-1.500	0.000	1.081	2.009	-0.118	-1.017	0.000	-1.954	-1.686	-0.117	-2.951		
		25	3.000	-1.500	0.000	1.089	1.744	-0.382	-0.867	0.000	-1.583	-0.241	-1.226	-2.592		
		26	3.500	-1.500	0.000	0.543	1.068	-0.337	-0.285	0.007	-0.996	-0.272	-2.317	-3.425		
		27	4.000	-1.500	0.000	0.057	0.111	-1.160	1.124	0.242	-0.375	0.000	-3.549	-4.539		
		28	0.000	-1.000	0.000	0.000	-0.426	-1.978	2.158	0.656	-0.410	0.000	-3.578	-5.652		
		29	0.500	-1.000	0.000	0.499	0.974	-0.962	0.460	0.039	-1.011	-0.017	-2.204	-3.918		
		30	1.000	-1.000	0.000	1.191	1.616	-0.825	-0.630	0.000	-1.352	-2.680	0.000	-3.689		
		31	1.500	-1.000	0.000	1.116	1.882	-0.453	-0.856	0.000	-1.690	-1.745	0.000	-4.302		
		32	2.000	-1.000	0.000	0.872	1.969	-0.057	-0.840	0.000	-1.944	-1.357	0.000	-4.564		
		35	3.500	-1.000	0.000	0.629	1.350	-0.806	-0.020	0.018	-1.171	-1.478	-0.670	-3.808		
		36	4.000	-1.000	0.000	0.124	0.282	-1.260	1.196	0.277	-0.618	0.000	-3.079	-4.169		
		37	0.000	-0.500	0.000	0.000	-0.101	-1.152	1.370	0.544	-0.661	0.000	-2.054	-3.800		
		38	0.500	-0.500	0.000	0.719	0.811	-1.483	0.764	0.673	-1.484	-0.441	-0.110	-3.936		
		39	1.000	-0.500	0.000	0.936	0.857	-1.277	0.335	0.438	-1.289	-0.524	0.000	-4.255		
		40	1.500	-0.500	0.000	0.732	0.617	-0.757	0.041	0.130	-0.763	-0.363	0.000	-4.478		
		41	2.000	-0.500	0.000	0.562	0.572	-0.605	0.027	0.043	-0.600	-0.398	0.000	-5.139		
		44	3.500	-0.500	0.000	0.866	0.818	-1.537	0.671	0.721	-1.538	-0.229	-0.001	-5.322		
		45	4.000	-0.500	0.000	0.314	0.322	-1.181	0.949	0.576	-0.979	-0.154	-0.715	-3.881		
		46	0.000	0.000	0.000	0.091	0.098	-0.216	0.125	0.118	-0.216	1.741	0.775	-3.205		
		47	0.500	0.000	0.000	-0.100	0.000	-1.095	0.569	1.313	-0.687	3.447	0.515	-6.218		
		48	1.000	0.000	0.000	-0.437	0.000	-2.016	0.829	2.290	-0.666	2.840	0.000	-6.013		
		49	1.500	0.000	0.000	-0.629	0.000	-2.632	0.837	2.807	-0.383	2.929	0.000	-5.110		
		50	2.000	0.000	0.000	-0.659	0.000	-2.973	0.809	3.094	-0.271	3.053	0.000	-5.040		
		51	2.500	0.000	0.000	-0.463	0.000	-2.638	0.913	2.968	-0.781	4.040	0.682	-5.906		
		52	3.000	0.000	0.000	-0.247	0.000	-2.000	0.581	2.240	-0.575	2.585	1.501	-5.355		
		53	3.500	0.000	0.000	-0.179	0.000	-1.541	0.395	1.697	-0.372	0.459	0.000	-6.315		
		54	4.000	0.000	0.000	-0.045	0.062	-0.644	0.326	0.670	-0.370	1.691	0.728	-3.256		
		2	ZS1	1	0.000	-2.500	-2.200	0.322	0.060	-1.345	0.568	1.514	-1.119	1.461	7.868	-14.492
				2	0.000	-2.000	-2.200	-0.260	0.000	-2.167	0.944	2.489	-1.007	-10.081	0.000	-16.678
3	0.000			-1.500	-2.200	-0.871	0.000	-2.951	1.174	3.188	-0.540	-14.019	0.000	-27.728		
4	0.000			-1.000	-2.200	-0.890	0.000	-2.863	1.596	3.275	-1.119	-16.798	-0.485	-36.598		
5	0.000			-0.500	-2.200	0.284	0.008	-1.300	0.655	1.509	-1.155	2.696	-0.614	-10.257		
6	0.000			0.000	-2.200	1.478	0.085	-0.484	0.000	0.360	-1.439	16.892	20.358	-11.103		
7	0.000			-2.500	-1.700	0.863	0.229	-0.500	0.117	0.214	-0.924	5.963	6.496	-8.236		
9	0.000			-1.500	-1.700	-0.806	-0.061	-1.288	1.126	1.247	-0.219	1.811	0.000	-22.940		
10	0.000			-1.000	-1.700	-0.715	-0.023	-0.939	0.891	0.900	-0.115	3.324	0.000	-26.235		
11	0.000			-0.500	-1.700	0.361	0.060	-0.487	0.000	0.427	-0.360	5.178	0.266	-7.225		
12	0.000			0.000	-1.700	2.080	0.325	-0.087	0.000	-0.280	-2.037	6.410	15.155	-6.041		
13	0.000			-2.500	-1.200	1.024	0.259	-0.248	0.000	-0.091	-0.945	5.942	2.958	-5.484		
14	0.000			-2.000	-1.200	0.126	-0.105	-0.417	0.376	0.275	-0.255	6.912	0.000	-12.472		
15	0.000			-1.500	-1.200	0.000	-0.239	-0.744	0.770	0.278	-0.064	7.123	0.000	-18.087		
16	0.000			-1.000	-1.200	0.000	-0.112	-0.593	0.696	0.337	-0.327	6.963	0.000	-17.147		
17	0.000			-0.500	-1.200	0.556	0.234	-0.423	0.024	0.091	-0.482	7.315	0.000	-7.919		
18	0.000			0.000	-1.200	1.873	0.389	-0.092	0.000	-0.341	-1.828	4.795	9.575	-1.566		
19	0.000			-2.500	-0.700	0.751	0.191	-0.235	0.019	0.012	-0.738	3.494	1.471	-3.023		
20	0.000			-2.000	-0.700	0.113	-0.002	-0.443	0.349	0.319	-0.337	4.608	0.000	-8.545		
21	0.000			-1.500	-0.700	-0.044	-0.178	-0.597	0.588	0.368	-0.136	4.990	0.000	-12.478		
22	0.000			-1.000	-0.700	-0.026	-0.096	-0.526	0.568	0.448	-0.368	5.396	0.000	-11.807		
23	0.000			-0.500	-0.700	0.401	0.160	-0.405	0.071	0.194	-0.420	4.798	0.000	-5.541		
24	0.000			0.000	-0.700	1.418	0.312	-0.141	0.000	-0.235	-1.354	5.005	7.038	-3.436		
25	0.000			-2.500	-0.200	0.406	0.000	-0.484	0.222	0.482	-0.625	0.409	0.792	-2.091		
26	0.000			-2.000	-0.200	-0.085	0.000	-0.881	0.577	1.028	-0.640	0.059	0.000	-5.648		
27	0.000			-1.500	-0.200	-0.409	0.000	-1.046	0.547	1.125	-0.218	0.349	0.000	-7.394		
28	0.000			-1.000	-0.200	-0.305	0.000	-1.039	0.699	1.220	-0.574	0.765	0.000	-7.825		
29	0.000			-0.500	-0.200	0.140	0.000	-0.799	0.494	0.903	-0.739	0.655	0.000	-5.034		
30	0.000			0.000	-0.200	0.786	0.000	-0.168	0.000	0.124	-0.741	3.288	5.092	-3.045		
2	ZS3			1	0.000	-2.500	-2.200	0.231	0.223	-0.830	0.634	0.346	-0.602	2.765	1.097	-3.999
		2	0.000	-2.000	-2.200	0.467	0.403	-0.890	0.337	0.514	-0.831	0.396	1.190	-2.711		
		3	0.000	-1.500	-2.200	-0.035	0.225	-0.552	0.265	0.568	-0.471	0.318	2.311	-3.472		
		4	0.000	-1.000	-2.200	0.274	0.331	-0.786	0.193	0.460	-0.474	1.287	6.199	-7.478		
		5	0.000	-0.500	-2.200	0.664	0.483	-0.898	0.243							



Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]			
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}	
2	ZS3	15	0.000	-1.500	-1.200	1.058	1.024	-0.078	-0.142	-0.833	-1.029	0.000	2.136	-7.432	
		16	0.000	-1.000	-1.200	1.022	0.979	-0.174	0.000	-0.876	-0.951	0.000	2.264	-7.528	
		17	0.000	-0.500	-1.200	0.072	0.372	-0.143	0.093	-0.005	-0.389	0.000	0.576	-7.977	
		18	0.000	0.000	-1.200	0.000	-0.544	-2.701	2.722	0.566	-0.044	0.000	-4.298	-8.742	
		19	0.000	-2.500	-0.700	0.127	0.117	-1.339	1.232	0.270	-0.407	-0.089	-1.386	-7.025	
		20	0.000	-2.000	-0.700	0.668	0.757	-0.580	0.168	-0.268	-0.745	0.000	1.335	-6.471	
		21	0.000	-1.500	-0.700	0.867	0.793	-0.160	0.004	-0.683	-0.821	0.000	1.631	-5.899	
		22	0.000	-1.000	-0.700	0.903	0.865	-0.438	0.015	-0.553	-0.792	0.000	1.716	-5.994	
		23	0.000	-0.500	-0.700	0.324	0.573	-0.725	0.430	0.142	-0.744	0.000	0.775	-6.339	
		24	0.000	0.000	-0.700	0.000	-0.398	-2.099	2.146	0.447	-0.095	-0.137	-3.744	-7.014	
		25	0.000	-2.500	-0.200	0.312	0.325	-0.940	0.631	0.192	-0.521	-1.028	1.684	-3.157	
		26	0.000	-2.000	-0.200	0.572	0.565	-0.798	0.226	0.233	-0.798	0.000	2.547	-3.689	
		27	0.000	-1.500	-0.200	0.286	0.258	-0.202	0.041	-0.058	-0.325	0.000	1.095	-2.846	
		28	0.000	-1.000	-0.200	0.478	0.464	-0.613	0.167	0.149	-0.644	0.000	1.413	-2.608	
		29	0.000	-0.500	-0.200	0.565	0.554	-0.933	0.368	0.378	-0.933	0.000	1.940	-2.438	
		30	0.000	0.000	-0.200	0.000	0.015	-0.892	0.911	0.005	-0.039	-1.959	0.000	-2.852	
		ZS6	1	0.000	-2.500	-2.200	0.112	0.012	-0.341	0.142	0.390	-0.315	-0.058	2.101	-3.637
			2	0.000	-2.000	-2.200	-0.046	0.000	-0.552	0.277	0.643	-0.322	-2.958	0.000	-4.392
			3	0.000	-1.500	-2.200	-0.137	-0.085	-0.722	0.338	0.793	-0.187	-3.955	0.000	-7.362
			4	0.000	-1.000	-2.200	-0.168	-0.049	-0.701	0.458	0.806	-0.345	-4.650	-0.085	-9.426
			5	0.000	-0.500	-2.200	0.110	0.003	-0.327	0.177	0.371	-0.333	0.684	0.058	-2.874
			6	0.000	0.000	-2.200	0.444	0.028	-0.110	0.000	0.072	-0.434	4.174	5.358	-2.661
			7	0.000	-2.500	-1.700	0.314	0.056	-0.088	0.044	0.037	-0.364	1.905	1.965	-2.336
			9	0.000	-1.500	-1.700	-0.028	-0.219	-0.342	0.354	0.295	-0.059	0.887	0.000	-6.849
			10	0.000	-1.000	-1.700	0.000	-0.174	-0.270	0.298	0.211	-0.064	1.268	0.000	-7.614
			11	0.000	-0.500	-1.700	0.126	0.013	-0.082	0.000	0.065	-0.122	1.424	0.077	-1.922
			12	0.000	0.000	-1.700	0.706	0.114	-0.019	0.000	-0.104	-0.696	2.014	4.413	-2.037
			13	0.000	-2.500	-1.200	0.434	0.091	-0.036	0.000	-0.068	-0.422	2.203	1.231	-1.715
			14	0.000	-2.000	-1.200	0.045	-0.057	-0.150	0.147	0.090	-0.074	2.447	0.000	-4.118
			15	0.000	-1.500	-1.200	0.000	-0.116	-0.319	0.332	0.132	-0.029	2.865	0.000	-6.552
	16		0.000	-1.000	-1.200	0.000	-0.077	-0.245	0.251	0.086	-0.015	2.794	0.000	-6.219	
	17		0.000	-0.500	-1.200	0.156	0.041	-0.044	0.008	-0.016	-0.145	2.381	0.000	-2.439	
	18		0.000	0.000	-1.200	0.835	0.173	-0.034	0.000	-0.155	-0.819	2.140	3.414	-0.765	
	19		0.000	-2.500	-0.700	0.411	0.082	-0.116	0.015	0.016	-0.408	2.038	1.106	-1.287	
	20		0.000	-2.000	-0.700	0.020	-0.121	-0.254	0.186	0.262	-0.094	2.104	0.000	-3.903	
	21		0.000	-1.500	-0.700	-0.034	-0.239	-0.417	0.351	0.374	-0.035	2.381	0.000	-6.166	
	22		0.000	-1.000	-0.700	-0.023	-0.220	-0.343	0.325	0.361	-0.100	2.617	0.000	-5.912	
	23		0.000	-0.500	-0.700	0.089	-0.015	-0.130	0.048	0.141	-0.134	2.603	0.000	-2.919	
	24		0.000	0.000	-0.700	0.887	0.215	-0.140	0.000	-0.136	-0.827	3.370	4.031	-1.422	
	25		0.000	-2.500	-0.200	0.264	0.000	-0.414	0.177	0.455	-0.481	0.722	1.269	-1.705	
	26		0.000	-2.000	-0.200	-0.115	0.000	-0.852	0.438	0.999	-0.471	-0.099	0.000	-4.076	
	27		0.000	-1.500	-0.200	-0.317	0.000	-1.113	0.403	1.171	-0.145	-0.044	0.000	-6.112	
	28		0.000	-1.000	-0.200	-0.270	0.000	-1.052	0.521	1.204	-0.403	0.171	0.000	-6.195	
	29		0.000	-0.500	-0.200	0.008	0.000	-0.703	0.399	0.839	-0.543	0.723	0.000	-3.968	
	30		0.000	0.000	-0.200	0.596	0.000	-0.197	0.000	0.164	-0.564	3.084	4.652	-0.915	
	KZ1		1	0.000	-2.500	-2.200	0.013	0.066	-2.269	0.934	2.571	-1.315	0.757	12.238	-22.561
		2	0.000	-2.000	-2.200	-0.566	0.000	-3.637	0.935	3.904	-0.636	-20.718	0.000	-28.120	
		3	0.000	-1.500	-2.200	-1.507	0.000	-5.611	1.826	5.850	-0.558	-28.270	0.000	-46.331	
		4	0.000	-1.000	-2.200	-1.301	0.026	-5.440	2.143	5.910	-1.339	-33.353	-0.762	-59.853	
		5	0.000	-0.500	-2.200	0.594	0.135	-2.038	0.263	2.176	-1.130	1.360	-1.044	-20.264	
6		0.000	0.000	-2.200	0.243	0.000	-1.025	0.016	1.135	-0.369	20.124	31.187	-17.573		
7		0.000	-2.500	-1.700	0.331	0.256	-0.759	0.199	0.518	-0.545	0.720	7.820	-14.476		
9		0.000	-1.500	-1.700	-0.688	0.313	-1.139	0.903	1.214	-0.604	-4.816	0.000	-38.515		
10		0.000	-1.000	-1.700	0.042	0.323	-0.966	0.683	0.927	-1.008	-3.030	0.000	-43.010		
11		0.000	-0.500	-1.700	1.354	0.595	-1.356	0.088	0.726	-1.406	-1.303	0.363	-11.965		
12		0.000	0.000	-1.700	0.312	-0.028	-0.317	0.089	0.266	-0.322	0.000	20.729	-11.701		
13		0.000	-2.500	-1.200	0.339	0.376	-0.623	0.248	0.047	-0.387	-0.860	1.365	-9.341		
14		0.000	-2.000	-1.200	0.551	1.012	-0.643	-0.068	0.002	-0.854	0.905	0.000	-20.990		
15		0.000	-1.500	-1.200	0.124	1.144	-0.241	0.042	0.000	-1.069	2.761	0.000	-31.038		
16		0.000	-1.000	-1.200	0.610	1.282	-0.586	-0.219	0.000	-1.087	2.329	0.000	-29.113		
17		0.000	-0.500	-1.200	0.880	0.843	-0.545	-0.009	-0.412	-0.757	0.961	0.000	-12.964		
18		0.000	0.000	-1.200	0.014	-0.083	-0.408	0.424	0.190	-0.137	0.202	10.568	-5.858		
19		0.000	-2.500	-0.700	0.245	0.253	-0.621	0.359	0.147	-0.383	-0.979	0.590	-6.953		
20		0.000	-2.000	-0.700	0.335	0.603	-0.651	0.033	0.229	-0.550	-0.480	0.000	-15.237		
21		0.000	-1.500	-0.700	0.064	0.595	-0.550	0.108	0.319	-0.536	1.515	0.000	-23.704		
22		0.000	-1.000	-0.700	0.138	0.474	-0.371	-0.042	0.240	-0.439	2.074	0.000	-22.089		
23		0.000	-0.500	-0.700	0.510	0.466	-0.591	0.005	0.116	-0.507	0.309	0.000	-10.131		
24		0.000	0.000	-0.700	0.127	0.216	-0.500	0.381	0.282	-0.507	1.771	9.994	-7.517		
25		0.000	-2.500	-0.200	-0.053	0.000	-0.732	0.166	0.766	-0.148	-1.556	0.970	-3.939		
26		0.000	-2.000	-0.200	-0.354	0.000	-1.893	0.419	1.953	-0.126	-3.409	0.000	-12.112		
27		0.000	-1.500	-0.200	-0.724	0.000	-2.871	0.859	2.995	-0.259	-3.230	0.000	-18.142		
28		0.000	-1.000	-0.200	-0.659	0.000	-2.648	0.805	2.779	-0.276	-2.510	0.000	-17.849		
29		0.000	-0.500	-0.200	-0.182	0.000	-1.469	0.204	1.490	-0.043	-0.938	0.000	-10.589		
30		0.000	0.000	-0.200	0.507	0.000	-0.389	0.000	0.366	-0.485	6.038	9.489	-5.311		
KZ2		1	0.000	-2.500	-2.200	0.000	0.024	-1.429	0.601	1.617	-0.812	0.714	7.474	-13.966	
	2	0.000	-2.000	-2.200	-0.356	0.000	-2.270	0.546	2.415	-0.335	-12.716	0.000	-17.374		
	3	0.000	-1.500	-2.200	-0.937	0.000	-3.530	1.169	3.701	-0.403	-17.473	0.000	-28.514		
	4	0.000	-1.000	-2.200	-0.794	0.019	-3.435	1.309	3.689	-0.790	-20.621	-0.492	-37.008		
	5	0.000	-0.500	-2.200	0.362	0.099	-1.284	0.150	1.339	-0.666	0.742	-0.788	-12.578		
	6	0.000	0.000	-2.200	0.003	0.000	-0.669	0.110	0.750	-0.194	12.390	18.921	-11.015		
	7	0.000	-2.500	-1.700	0.195	0.108	-0.556	0.243	0.407	-0.397	-0.110	4.498	-8.998		
	9	0.000	-1.500	-1.700	-0.333	0.214	-0.693	0.470	0.739	-0.397	-3.647	0.000	-23.180		
	10	0.000	-1.000	-1.700	0.179	0.220	-0.657	0.380	0.591	-0.714	-2.545	0.000	-25.997		
	11	0.000	-0.500	-1.700	0.869	0.427	-0.948	0.112	0.500	-0.960	-1.214	0.207	-7.481		
	12	0.000	0.000	-1.700	0.005	-0.022	-0.334	0.229	0.280	-0.158	0.000	11.833	-7.336		
	13	0.000	-2.500	-1.200	0.212	0.210	-0.599	0							



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Chmelského 267, 386 01 Strakonice

Strana: 7/20

Oddíl: 1

VÝSLEDKY

Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
2	KZ2	22	0.000	-1.000	-0.700	0.237	0.456	-0.187	-0.185	0.099	-0.420	0.112	0.000	-11.789
		23	0.000	-0.500	-0.700	0.299	0.357	-0.345	-0.019	0.050	-0.342	-1.065	0.000	-5.336
		24	0.000	0.000	-0.700	0.002	-0.089	-0.533	0.576	0.161	-0.117	0.153	3.951	-4.598
		25	0.000	-2.500	-0.200	0.021	-0.030	-0.417	0.252	0.388	-0.215	-1.046	-0.066	-2.194
		26	0.000	-2.000	-0.200	-0.124	0.000	-0.793	0.275	0.900	-0.258	-2.228	0.000	-5.755
		27	0.000	-1.500	-0.200	-0.320	0.000	-1.222	0.416	1.302	-0.177	-2.100	0.000	-8.543
		28	0.000	-1.000	-0.200	-0.291	0.000	-1.122	0.316	1.146	-0.048	-1.724	0.000	-8.338
		29	0.000	-0.500	-0.200	-0.088	0.000	-0.592	0.194	0.665	-0.179	-1.089	0.000	-4.762
		30	0.000	0.000	-0.200	0.035	0.000	-0.174	0.115	0.193	-0.168	2.195	3.579	-3.204
3	ZS1	1	0.000	0.000	-2.350	0.000	0.029	-1.051	1.113	0.042	-0.132	8.451	9.760	-5.885
		2	0.500	0.000	-2.350	0.811	1.691	-1.720	0.872	0.070	-1.724	1.807	-2.799	-17.706
		3	1.000	0.000	-2.350	2.180	1.535	-1.576	0.211	-0.189	-2.161	0.000	-21.741	-37.347
	ZS3	1	0.000	0.000	-2.350	1.140	0.390	-0.236	0.000	-0.258	-1.036	0.000	-1.359	-5.233
		2	0.500	0.000	-2.350	0.280	0.405	-0.816	0.568	0.359	-0.795	0.000	0.930	-5.088
		3	1.000	0.000	-2.350	0.497	1.305	-0.597	-0.026	0.008	-1.187	0.000	7.747	-3.918
	ZS6	1	0.000	0.000	-2.350	0.000	0.005	-0.288	0.296	0.004	-0.017	2.256	3.097	-1.655
		2	0.500	0.000	-2.350	0.238	0.425	-0.508	0.270	0.083	-0.508	0.903	0.026	-5.140
		3	1.000	0.000	-2.350	0.568	0.300	-0.474	0.073	0.102	-0.570	0.000	-5.808	-9.659
	KZ1	1	0.000	0.000	-2.350	0.000	0.488	-0.353	0.349	0.000	-0.484	5.945	14.420	-8.063
		2	0.500	0.000	-2.350	0.618	2.283	-1.810	0.887	0.000	-1.978	0.000	-6.480	-31.319
		3	1.000	0.000	-2.350	3.593	3.386	-1.692	0.234	-1.688	-3.833	0.000	-27.870	-69.362
	KZ2	1	0.000	0.000	-2.350	0.000	0.332	-0.146	0.137	0.000	-0.323	3.229	8.422	-4.805
		2	0.500	0.000	-2.350	0.332	1.390	-1.025	0.482	0.000	-1.179	0.000	-4.868	-19.253
		3	1.000	0.000	-2.350	2.233	2.200	-0.970	0.126	-1.176	-2.412	0.000	-16.612	-43.290
4	ZS1	1	0.000	-1.000	-2.350	-1.349	0.000	-1.996	1.767	2.175	-0.597	0.000	-14.305	-30.751
		2	0.000	-0.500	-2.350	0.511	0.000	-1.393	0.622	1.610	-1.350	1.984	-4.980	-14.781
		3	0.000	0.000	-2.350	0.707	0.000	-0.101	0.000	0.101	-0.707	17.246	9.015	-15.236
	ZS3	1	0.000	-1.000	-2.350	0.092	0.091	-0.969	0.240	1.000	-0.454	0.000	5.166	-2.641
		2	0.000	-0.500	-2.350	0.582	0.292	-0.700	0.133	0.308	-0.614	0.000	0.423	-4.503
		3	0.000	0.000	-2.350	0.000	-0.517	-1.032	1.155	0.680	-0.286	0.000	1.629	-4.961
	ZS6	1	0.000	-1.000	-2.350	-0.342	0.000	-0.499	0.464	0.542	-0.165	0.000	-3.595	-8.639
		2	0.000	-0.500	-2.350	0.173	0.000	-0.371	0.167	0.410	-0.379	0.488	-0.722	-4.098
		3	0.000	0.000	-2.350	0.199	0.000	-0.025	0.000	0.025	-0.199	4.245	2.283	-3.380
	KZ1	1	0.000	-1.000	-2.350	-2.745	0.000	-4.210	2.991	4.312	-0.348	0.000	-17.865	-57.529
		2	0.000	-0.500	-2.350	0.587	0.000	-1.814	0.322	2.168	-1.262	2.395	-9.498	-29.513
		3	0.000	0.000	-2.350	-0.185	0.000	-1.060	0.228	1.100	-0.083	20.814	15.539	-21.742
	KZ2	1	0.000	-1.000	-2.350	-1.719	0.000	-2.664	1.863	2.732	-0.212	0.000	-10.806	-35.397
		2	0.000	-0.500	-2.350	0.336	0.000	-1.104	0.170	1.319	-0.721	1.453	-6.277	-18.332
		3	0.000	0.000	-2.350	-0.192	0.000	-0.698	0.215	0.720	-0.045	12.628	9.662	-13.651
5	ZS1	1	1.130	-1.000	-2.350	-0.062	-0.958	-1.210	1.281	1.281	-0.332	64.958	27.470	-26.151
		2	1.130	-0.500	-2.350	-0.085	0.000	-0.832	0.584	0.972	-0.640	39.431	38.386	-63.921
		3	1.130	0.000	-2.350	1.340	0.000	-1.429	0.000	1.451	-1.362	-34.625	0.000	-58.638
	ZS3	1	1.130	-1.000	-2.350	0.630	0.724	-0.369	-0.401	0.037	-0.621	0.000	3.959	-14.286
		2	1.130	-0.500	-2.350	0.012	0.092	-0.177	0.125	0.088	-0.141	0.000	-7.635	-19.511
		3	1.130	0.000	-2.350	0.889	0.803	-0.484	0.000	-0.470	-0.737	0.000	-0.517	-21.012
	ZS6	1	1.130	-1.000	-2.350	-0.007	-0.223	-0.313	0.338	0.297	-0.092	17.312	6.867	-6.161
		2	1.130	-0.500	-2.350	0.014	0.000	-0.178	0.123	0.203	-0.162	10.951	10.233	-15.645
		3	1.130	0.000	-2.350	0.351	0.000	-0.396	0.000	0.412	-0.367	-7.472	0.000	-14.607
	KZ1	1	1.130	-1.000	-2.350	-0.144	-0.729	-1.474	1.550	1.235	-0.438	96.466	56.257	-51.702
		2	1.130	-0.500	-2.350	-0.192	0.000	-1.402	1.128	1.632	-1.167	53.905	48.938	-1E+02
		3	1.130	0.000	-2.350	3.151	0.000	-1.527	0.000	1.331	-2.955	0.000	-81.972	-1E+02
	KZ2	1	1.130	-1.000	-2.350	-0.097	-0.421	-0.890	0.946	0.764	-0.303	58.686	35.444	-32.769
		2	1.130	-0.500	-2.350	-0.143	0.000	-0.896	0.726	1.046	-0.733	32.009	29.651	-73.244
		3	1.130	0.000	-2.350	1.989	0.000	-0.884	0.000	0.768	-1.873	0.000	-51.594	-69.821
6	ZS1	1	0.000	-1.130	-2.350	0.000	1.602	-1.800	1.801	0.000	-1.603	0.000	-44.275	-74.140
		2	0.500	-1.130	-2.350	0.984	2.543	-0.961	-0.388	0.000	-2.178	30.572	20.735	-48.781
		3	1.000	-1.130	-2.350	1.934	2.281	-0.302	-0.165	-1.404	-2.344	51.876	10.231	-10.841
	ZS3	1	0.000	-1.130	-2.350	0.000	-0.381	-0.698	0.839	0.675	-0.435	0.000	0.303	-18.055
		2	0.500	-1.130	-2.350	-0.004	0.000	-0.124	0.047	0.141	-0.059	0.000	-4.691	-15.647
		3	1.000	-1.130	-2.350	-0.431	0.000	-0.579	0.579	0.671	-0.240	0.000	0.466	-13.970
	ZS6	1	0.000	-1.130	-2.350	0.000	0.434	-0.469	0.469	0.000	-0.434	0.000	-11.366	-18.565
		2	0.500	-1.130	-2.350	0.258	0.666	-0.248	-0.105	0.000	-0.572	7.966	5.343	-12.192
		3	1.000	-1.130	-2.350	0.504	0.586	-0.075	-0.041	-0.360	-0.614	14.131	3.105	-3.171
	KZ1	1	0.000	-1.130	-2.350	0.000	2.182	-4.121	4.148	0.000	-2.209	0.000	-84.764	-1E+02
		2	0.500	-1.130	-2.350	1.677	4.256	-1.647	-0.654	0.000	-3.632	29.834	29.046	-84.297
		3	1.000	-1.130	-2.350	2.887	3.348	-0.943	-0.276	-1.687	-3.329	70.661	19.538	-20.146
	KZ2	1	0.000	-1.130	-2.350	0.000	1.313	-2.601	2.623	0.000	-1.335	0.000	-52.919	-92.231
		2	0.500	-1.130	-2.350	1.036	2.625	-1.020	-0.402	0.000	-2.239	17.370	17.697	-52.541
		3	1.000	-1.130	-2.350	1.766	2.050	-0.607	-0.172	-1.011	-2.025	42.403	11.875	-12.295
7	ZS1	1	0.000	-2.750	-0.200	0.000	0.161	-0.399	0.482	0.036	-0.279	2.861	2.518	-2.130
		2	0.500	-2.750	-0.200	0.534	0.808	-1.086	0.544	0.289	-1.089	4.503	1.093	-6.247
		3	1.000	-2.750	-0.200	0.832	1.384	-1.142	0.153	0.000	-1.226	4.220	0.000	-6.030
		4	1.500	-2.750	-0.200	0.798	1.447	-0.764	-0.267	0.000	-1.214	4.386	0.000	-8.520
		5	2.000	-2.750	-0.200	0.556	1.301	-0.329	-0.368	0.000	-1.161	4.308	0.000	-9.088
		6	2.500	-2.750	-0.200	0.662	1.344	-0.542	-0.303	0.000	-1.161	4.268	0.000	-8.959
		7	3.000	-2.750	-0.200	0.888	1.424	-1.039	-0.048	0.000	-1.225	5.031	0.000	-8.678



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Strana: 8/20

Oddíl: 1

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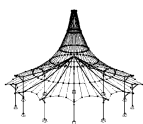
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]			
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}	
7	ZS1	26	3.500	-2.750	-1.200	0.300	0.491	-0.385	0.084	0.028	-0.518	6.021	0.050	-14.104	
		27	4.000	-2.750	-1.200	0.001	-0.033	-1.155	1.200	0.189	-0.202	6.719	5.395	-7.006	
		28	0.000	-2.750	-1.700	0.000	-0.163	-1.715	1.732	0.180	-0.034	8.010	10.227	-2.135	
		29	0.500	-2.750	-1.700	0.137	0.876	-0.694	0.444	0.000	-0.764	3.201	0.000	-7.541	
		30	1.000	-2.750	-1.700	0.655	1.584	-0.644	-0.227	0.000	-1.368	-1.445	0.000	-14.506	
		31	1.500	-2.750	-1.700	0.915	1.855	-0.308	-0.741	0.000	-1.721	-5.856	0.000	-15.965	
		32	2.000	-2.750	-1.700	0.934	1.953	-0.160	-0.844	0.000	-1.883	-7.370	0.000	-19.274	
		33	2.500	-2.750	-1.700	0.956	2.224	-0.333	-0.768	0.000	-2.080	-7.279	0.000	-23.762	
		34	3.000	-2.750	-1.700	1.228	1.784	-0.686	-0.778	0.000	-1.547	-1.536	0.000	-25.591	
		36	4.000	-2.750	-1.700	0.089	0.195	-1.383	1.321	0.216	-0.438	5.124	10.777	-9.952	
		37	0.000	-2.750	-2.200	0.287	0.687	-0.833	0.430	0.039	-0.612	8.188	13.733	-7.106	
		38	0.500	-2.750	-2.200	1.180	2.122	-1.553	0.071	0.000	-1.820	-1.916	0.000	-13.352	
		39	1.000	-2.750	-2.200	1.545	3.024	-1.591	-0.453	0.000	-2.524	-3.910	-6.072	-16.766	
		40	1.500	-2.750	-2.200	1.096	3.689	-0.939	-0.543	0.000	-3.302	-10.992	-1.109	-17.936	
		41	2.000	-2.750	-2.200	0.783	3.412	-0.310	-0.617	0.000	-3.269	-4.751	-10.505	-21.774	
		42	2.500	-2.750	-2.200	1.309	3.575	-0.961	-0.747	0.000	-3.177	-18.126	0.000	-23.783	
		43	3.000	-2.750	-2.200	2.264	3.857	-1.902	-0.974	0.000	-3.244	-16.641	0.000	-34.788	
		44	3.500	-2.750	-2.200	1.520	2.362	-1.689	-0.135	0.000	-2.058	-11.989	0.000	-21.181	
		45	4.000	-2.750	-2.200	0.427	0.932	-1.521	1.059	0.061	-0.958	10.066	17.694	-20.857	
		ZS3	1	0.000	-2.750	-0.200	1.028	0.119	-0.266	0.000	0.033	-0.915	0.000	-2.519	-2.703
			2	0.500	-2.750	-0.200	0.504	0.499	-1.196	0.692	0.697	-1.196	0.000	2.122	-3.298
			3	1.000	-2.750	-0.200	0.349	0.392	-1.057	0.708	0.664	-1.057	0.000	1.299	-3.040
			4	1.500	-2.750	-0.200	0.203	0.290	-0.460	0.253	0.200	-0.487	0.000	0.652	-2.550
			5	2.000	-2.750	-0.200	0.003	0.266	-0.088	0.061	0.000	-0.243	0.000	0.235	-2.603
			6	2.500	-2.750	-0.200	0.093	0.339	-0.256	0.132	0.056	-0.364	0.000	-0.040	-2.783
	7		3.000	-2.750	-0.200	0.360	0.457	-0.780	0.420	0.323	-0.780	0.000	0.324	-2.837	
	8		3.500	-2.750	-0.200	0.521	0.571	-1.148	0.627	0.577	-1.148	0.000	1.007	-2.716	
	9		4.000	-2.750	-0.200	0.706	0.355	-0.717	0.343	0.325	-1.011	-1.142	0.527	-2.567	
	10		0.000	-2.750	-0.700	2.201	0.501	-0.210	0.000	-0.390	-2.102	0.000	-4.240	-7.117	
	11		0.500	-2.750	-0.700	0.516	0.162	-0.887	0.332	0.742	-0.865	0.000	-0.198	-5.916	
	12		1.000	-2.750	-0.700	-0.354	0.048	-1.123	0.955	1.269	-0.795	0.000	0.449	-5.041	
	13		1.500	-2.750	-0.700	-0.564	0.045	-1.292	0.851	1.405	-0.446	0.000	0.217	-4.296	
	14		2.000	-2.750	-0.700	-0.621	0.041	-1.335	0.699	1.384	-0.168	0.000	0.043	-4.114	
	15		2.500	-2.750	-0.700	-0.597	0.044	-1.317	0.747	1.385	-0.262	0.000	0.259	-4.287	
	16		3.000	-2.750	-0.700	-0.447	0.058	-1.187	0.893	1.310	-0.626	0.000	0.552	-4.801	
	17		3.500	-2.750	-0.700	0.093	0.119	-1.007	0.671	0.999	-0.874	0.000	0.424	-5.477	
	18		4.000	-2.750	-0.700	1.322	0.327	-0.570	0.163	0.195	-1.436	-0.102	-1.595	-6.293	
	19		0.000	-2.750	-1.200	2.595	0.537	-0.041	0.000	-0.515	-2.575	0.000	-5.146	-8.668	
	20		0.500	-2.750	-1.200	0.239	0.022	-0.569	0.139	0.581	-0.412	0.000	-0.673	-7.223	
	21		1.000	-2.750	-1.200	-0.597	0.000	-1.238	0.875	1.402	-0.442	0.000	0.190	-6.179	
	22		1.500	-2.750	-1.200	-0.805	0.000	-1.617	0.966	1.742	-0.286	0.000	-0.035	-5.266	
	23		2.000	-2.750	-1.200	-0.838	0.000	-1.863	0.874	1.897	-0.070	0.000	-0.140	-4.670	
	24		2.500	-2.750	-1.200	-0.800	0.000	-1.781	0.879	1.845	-0.143	0.000	0.364	-5.550	
	25		3.000	-2.750	-1.200	-0.721	0.000	-1.470	1.006	1.652	-0.467	0.000	0.940	-6.297	
	26	3.500	-2.750	-1.200	-0.224	0.016	-0.906	0.624	1.040	-0.551	0.000	0.644	-7.445		
	27	4.000	-2.750	-1.200	1.419	0.331	-0.322	0.053	-0.003	-1.478	0.000	-1.914	-8.045		
	28	0.000	-2.750	-1.700	2.168	0.467	-0.216	0.000	-0.352	-2.067	0.000	-4.783	-8.175		
	29	0.500	-2.750	-1.700	0.571	0.264	-1.060	0.424	0.806	-1.005	0.000	-0.174	-6.843		
	30	1.000	-2.750	-1.700	-0.099	0.025	-1.196	0.944	1.232	-0.907	0.000	0.167	-5.925		
	31	1.500	-2.750	-1.700	-0.526	0.000	-1.165	0.856	1.347	-0.512	0.000	-0.668	-5.126		
32	2.000	-2.750	-1.700	-0.588	0.000	-1.178	0.718	1.259	-0.211	0.000	-0.969	-4.606			
33	2.500	-2.750	-1.700	-0.498	0.000	-1.070	0.731	1.186	-0.348	0.000	0.298	-5.172			
34	3.000	-2.750	-1.700	-0.328	-0.011	-1.158	0.974	1.286	-0.763	0.000	2.227	-7.065			
36	4.000	-2.750	-1.700	1.363	0.552	-0.704	0.320	0.032	-1.563	0.000	-1.754	-8.367			
37	0.000	-2.750	-2.200	0.754	0.211	-0.307	0.048	0.061	-0.767	1.849	-1.217	-4.914			
38	0.500	-2.750	-2.200	0.481	0.649	-0.848	0.328	0.277	-0.887	1.286	2.057	-5.352			
39	1.000	-2.750	-2.200	0.482	1.013	-0.842	0.181	0.331	-1.165	0.134	0.192	-5.355			
40	1.500	-2.750	-2.200	0.432	1.191	-0.461	-0.047	0.187	-1.303	0.000	-1.538	-4.913			
41	2.000	-2.750	-2.200	0.340	1.372	-0.416	-0.209	0.288	-1.376	0.000	-1.773	-4.303			
42	2.500	-2.750	-2.200	0.489	1.129	-0.493	-0.202	0.168	-1.092	0.000	-0.594	-4.725			
43	3.000	-2.750	-2.200	0.539	1.121	-0.641	-0.062	0.345	-1.302	0.891	5.390	-7.734			
44	3.500	-2.750	-2.200	0.152	0.587	-1.093	0.967	0.577	-1.190	0.226	3.586	-7.759			
45	4.000	-2.750	-2.200	1.182	0.421	-0.809	0.413	0.249	-1.456	0.000	0.320	-5.998			
ZS6	1	0.000	-2.750	-0.200	0.000	0.153	-0.337	0.391	0.000	-0.207	2.862	2.729	-1.360		
	2	0.500	-2.750	-0.200	0.350	0.659	-0.721	0.359	0.090	-0.736	1.197	0.000	-2.239		
	3	1.000	-2.750	-0.200	0.639	1.315	-0.796	-0.062	0.000	-1.096	0.164	0.000	-3.612		
	4	1.500	-2.750	-0.200	0.623	1.533	-0.526	-0.300	0.000	-1.330	0.000	0.000	-6.507		
	5	2.000	-2.750	-0.200	0.469	1.472	-0.207	-0.357	0.000	-1.376	-0.073	0.000	-7.062		
	6	2.500	-2.750	-0.200	0.514	1.469	-0.325	-0.324	0.000	-1.334	-0.023	0.000	-6.977		
	7	3.000	-2.750	-0.200	0.645	1.436	-0.671	-0.198	0.000	-1.212	0.241	0.000	-6.167		
	8	3.500	-2.750	-0.200	0.584	1.130	-0.802	0.057	0.000	-0.969	0.697	0.000	-4.656		
	9	4.000	-2.750	-0.200	0.245	0.562	-0.659	0.428	0.008	-0.584	2.092	2.099	-1.953		
	10	0.000	-2.750	-0.700	0.000	-0.103	-0.691	0.708	0.127	-0.041	2.471	2.495	-0.798		
	11	0.500	-2.750	-0.700	0.049	0.232	-0.261	0.217	0.008	-0.244	1.555	0.000	-1.302		
	12	1.000	-2.750	-0.700	0.285	0.597	-0.207	-0.152	0.000	-0.524	1.180	0.000	-3.832		
	13	1.500	-2.750	-0.700	0.440	0.812	-0.165	-0.345	0.000	-0.742	0.960	0.000	-5.930		
	14	2.000	-2.750	-0.700	0.446	0.864	-0.074	-0.406	0.000	-0.828	0.999	0.000	-6.738		
	15	2.500	-2.750	-0.700	0.444	0.836	-0.109	-0.383	0.000	-0.788	1.207	0.000	-6.955		
	16	3.000	-2.750	-0.700	0.410	0.729	-0.234	-0.265	0.000	-0.640	1.551	0.000	-6.367		
	17	3.500	-2.750	-0.700	0.214	0.460	-0.274	0.002	0.000	-0.403	1.912	0.000	-4.096		
	18	4.000	-2.750	-0.700	0.021	0.069	-0.509	0.495	0.075	-0.152	2.452	1.770	-1.710		
	19	0.000	-2.750	-1.200	0.000	-0.140	-0.732	0.750	0.159	-0.038	1.657	2.528	-0.492		
	20	0.500	-2.750	-1.200	0.023	0.112	-0.221	0.227	0.017	-0.157	1.318	0.000	-1.380		
	21	1.000	-2.750	-1.200	0.224	0.381	-0.147	-0.129	0.000	-0.329	1.235	0.000	-4.039		
	22	1.500	-2.750	-1.200	0.383	0.526	-0.091	-0.332	0.000	-0.486	1.161	0.000	-5.534		
	23	2.000	-2.750	-1.200	0.410	0.568	-0.019	-0.400	0.000	-0.559	0.492	0.000	-6.335		
	24	2.500													



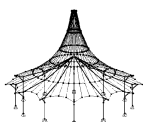
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
7	ZS6	32	2.000	-2.750	-1.700	0.342	0.553	-0.073	-0.298	0.000	-0.524	-0.919	0.000	-5.934
		33	2.500	-2.750	-1.700	0.370	0.637	-0.178	-0.261	0.000	-0.569	-0.846	0.000	-7.345
		34	3.000	-2.750	-1.700	0.436	0.540	-0.320	-0.157	-0.025	-0.473	0.407	0.000	-7.765
		36	4.000	-2.750	-1.700	0.046	0.041	-0.521	0.511	0.116	-0.194	1.330	2.559	-1.911
		37	0.000	-2.750	-2.200	0.080	0.170	-0.227	0.128	0.022	-0.174	2.168	3.940	-1.927
		38	0.500	-2.750	-2.200	0.340	0.551	-0.489	0.098	0.015	-0.516	0.388	0.000	-3.955
		39	1.000	-2.750	-2.200	0.435	0.725	-0.485	-0.066	0.000	-0.609	-1.559	0.000	-4.325
		40	1.500	-2.750	-2.200	0.333	0.828	-0.351	-0.105	0.000	-0.706	-1.670	0.000	-5.032
		41	2.000	-2.750	-2.200	0.197	0.719	-0.098	-0.141	0.000	-0.678	-3.229	0.000	-5.584
		42	2.500	-2.750	-2.200	0.355	0.782	-0.298	-0.168	0.000	-0.671	-3.548	0.000	-6.345
		43	3.000	-2.750	-2.200	0.626	0.864	-0.573	-0.161	-0.017	-0.739	-3.624	0.000	-9.835
		44	3.500	-2.750	-2.200	0.463	0.601	-0.557	0.049	0.024	-0.580	-2.793	0.000	-5.803
		45	4.000	-2.750	-2.200	0.141	0.259	-0.493	0.363	0.050	-0.320	2.525	4.519	-5.118
	KZ1	1	0.000	-2.750	-0.200	0.557	0.450	-0.281	0.000	-0.261	-0.464	3.627	3.089	-3.815
		2	0.500	-2.750	-0.200	0.049	0.977	-0.539	0.329	0.000	-0.816	2.670	0.000	-6.877
		3	1.000	-2.750	-0.200	0.743	2.833	-0.862	-0.233	0.000	-2.480	0.608	0.000	-10.836
		4	1.500	-2.750	-0.200	1.327	4.028	-0.859	-0.843	0.000	-3.653	1.761	0.000	-19.948
		5	2.000	-2.750	-0.200	1.194	4.190	-0.448	-0.957	0.000	-3.979	1.679	0.000	-22.387
		6	2.500	-2.750	-0.200	1.254	4.147	-0.673	-0.880	0.000	-3.848	1.421	0.000	-22.491
		7	3.000	-2.750	-0.200	1.312	3.701	-1.125	-0.646	0.000	-3.242	2.057	0.000	-19.641
		8	3.500	-2.750	-0.200	0.811	2.530	-0.960	-0.218	0.000	-2.163	2.404	0.000	-14.837
		9	4.000	-2.750	-0.200	0.266	1.301	-0.756	0.338	0.000	-1.149	4.231	4.290	-6.775
		10	0.000	-2.750	-0.700	0.814	0.282	-0.269	0.000	-0.121	-0.707	0.253	0.708	-4.611
		11	0.500	-2.750	-0.700	0.006	0.096	-0.519	0.593	0.204	-0.380	-0.930	0.000	-7.951
		12	1.000	-2.750	-0.700	0.116	0.305	-0.427	0.338	0.212	-0.545	-1.541	0.000	-15.662
		13	1.500	-2.750	-0.700	0.388	0.631	-0.206	-0.132	0.065	-0.746	-0.716	0.000	-23.420
		14	2.000	-2.750	-0.700	0.586	0.673	-0.117	-0.147	-0.004	-0.991	-0.134	0.000	-26.928
		15	2.500	-2.750	-0.700	0.570	0.592	-0.177	-0.114	0.003	-0.874	0.526	0.000	-28.137
		16	3.000	-2.750	-0.700	0.381	0.465	-0.341	0.011	0.124	-0.639	1.482	0.000	-26.561
		17	3.500	-2.750	-0.700	0.094	0.216	-0.409	0.320	0.174	-0.395	1.968	0.000	-17.833
		18	4.000	-2.750	-0.700	0.200	0.184	-0.470	0.286	0.156	-0.356	1.023	3.013	-7.538
		19	0.000	-2.750	-1.200	0.711	0.219	-0.153	0.000	-0.133	-0.645	0.000	3.442	-6.865
		20	0.500	-2.750	-1.200	0.000	-0.243	-0.552	0.662	0.466	-0.333	-2.396	0.000	-11.408
		21	1.000	-2.750	-1.200	0.032	-0.286	-0.449	0.478	0.465	-0.239	-4.496	0.000	-20.251
		22	1.500	-2.750	-1.200	0.221	0.002	-0.228	0.000	0.224	-0.219	-5.156	0.000	-26.140
		23	2.000	-2.750	-1.200	0.470	0.008	-0.331	0.000	0.315	-0.463	-6.982	0.000	-30.430
		24	2.500	-2.750	-1.200	0.386	0.015	-0.290	0.000	0.266	-0.378	-4.837	0.000	-34.449
		25	3.000	-2.750	-1.200	0.181	0.000	-0.518	0.193	0.541	-0.397	-1.459	0.000	-34.735
		26	3.500	-2.750	-1.200	-0.052	-0.106	-0.672	0.676	0.659	-0.506	-0.522	0.000	-24.355
		27	4.000	-2.750	-1.200	0.186	0.021	-0.476	0.430	0.260	-0.422	-0.343	6.340	-11.074
		28	0.000	-2.750	-1.700	0.145	0.206	-0.270	0.282	-0.013	-0.350	3.751	11.595	-5.911
		29	0.500	-2.750	-1.700	0.000	0.532	-0.415	0.386	0.125	-0.628	-3.429	0.000	-14.177
		30	1.000	-2.750	-1.700	0.132	0.961	-0.190	0.057	0.143	-1.103	-9.674	0.000	-26.645
		31	1.500	-2.750	-1.700	0.632	1.514	-0.275	-0.469	0.053	-1.456	-16.492	0.000	-30.019
		32	2.000	-2.750	-1.700	0.921	1.695	-0.351	-0.685	0.086	-1.666	-18.265	0.000	-36.345
		33	2.500	-2.750	-1.700	0.941	2.229	-0.433	-0.651	0.097	-2.183	-18.500	0.000	-43.002
		34	3.000	-2.750	-1.700	0.980	1.481	-0.584	-0.632	0.191	-1.436	-10.385	0.000	-44.530
		36	4.000	-2.750	-1.700	0.050	0.367	-0.736	0.765	0.103	-0.550	-2.206	15.438	-17.413
		37	0.000	-2.750	-2.200	0.770	1.451	-1.008	0.019	0.006	-1.238	10.031	18.868	-9.045
		38	0.500	-2.750	-2.200	1.479	3.630	-1.721	-0.322	0.000	-3.065	-7.882	0.000	-21.092
		39	1.000	-2.750	-2.200	2.225	5.793	-2.006	-0.989	0.000	-5.023	-9.988	-11.299	-31.193
		40	1.500	-2.750	-2.200	1.848	7.501	-1.198	-1.184	0.000	-6.967	-17.317	-8.389	-34.568
		41	2.000	-2.750	-2.200	1.516	7.389	-0.486	-1.261	0.000	-7.158	-10.242	-19.981	-42.099
		42	2.500	-2.750	-2.200	2.458	7.342	-1.555	-1.583	0.000	-6.661	-35.951	0.000	-43.443
		43	3.000	-2.750	-2.200	3.456	7.709	-2.565	-1.899	0.000	-6.700	-34.832	0.000	-56.966
		44	3.500	-2.750	-2.200	1.305	3.495	-1.608	-0.221	0.000	-2.970	-18.289	-7.388	-37.920
		45	4.000	-2.750	-2.200	0.519	1.292	-0.979	0.463	-0.090	-1.205	16.645	23.168	-36.120
8	KZ2	1	0.000	-2.750	-0.200	0.499	0.166	-0.078	0.000	-0.124	-0.464	0.701	0.400	-1.804
		2	0.500	-2.750	-0.200	0.005	0.285	-0.141	0.129	0.000	-0.278	1.446	0.098	-3.684
		3	1.000	-2.750	-0.200	0.141	1.056	-0.091	-0.093	0.000	-1.013	0.776	0.000	-5.361
		4	1.500	-2.750	-0.200	0.519	1.728	-0.243	-0.388	0.000	-1.616	1.664	0.000	-9.648
		5	2.000	-2.750	-0.200	0.524	1.895	-0.189	-0.424	0.000	-1.806	1.615	0.000	-10.904
		6	2.500	-2.750	-0.200	0.550	1.875	-0.287	-0.392	0.000	-1.745	1.417	0.000	-11.032
		7	3.000	-2.750	-0.200	0.514	1.589	-0.371	-0.304	0.000	-1.428	1.812	0.000	-9.751
		8	3.500	-2.750	-0.200	0.235	0.979	-0.183	-0.133	0.000	-0.898	1.818	0.000	-7.627
		9	4.000	-2.750	-0.200	0.131	0.488	-0.176	0.010	0.000	-0.452	1.924	1.633	-3.726
		10	0.000	-2.750	-0.700	0.850	0.239	-0.108	0.000	-0.181	-0.799	0.049	-0.694	-4.179
		11	0.500	-2.750	-0.700	0.001	-0.037	-0.265	0.306	0.237	-0.243	-0.681	0.009	-5.432
		12	1.000	-2.750	-0.700	0.008	-0.081	-0.322	0.301	0.356	-0.262	-1.139	0.000	-8.943
		13	1.500	-2.750	-0.700	0.039	0.269	-0.387	0.012	0.366	-0.300	-0.669	0.000	-12.725
		14	2.000	-2.750	-0.700	0.143	0.291	-0.378	-0.065	0.349	-0.341	-0.427	0.000	-14.513
		15	2.500	-2.750	-0.700	0.128	0.243	-0.384	-0.039	0.357	-0.305	-0.084	0.000	-15.259
		16	3.000	-2.750	-0.700	-0.007	0.199	-0.378	0.066	0.359	-0.239	0.589	0.000	-14.789
		17	3.500	-2.750	-0.700	-0.086	0.062	-0.286	0.218	0.289	-0.198	1.277	0.000	-10.697
		18	4.000	-2.750	-0.700	0.276	0.042	-0.162	0.136	0.084	-0.376	0.770	1.228	-5.742
		19	0.000	-2.750	-1.200	0.877	0.251	-0.187	0.000	-0.146	-0.794	0.000	1.319	-5.315
		20	0.500	-2.750	-1.200	-0.036	-0.098	-0.350	0.405	0.384	-0.304	-1.387	0.000	-7.911
		21	1.000	-2.750	-1.200	-0.222	-0.057	-0.410	0.424	0.485	-0.220	-3.283	0.000	-12.109
		22												



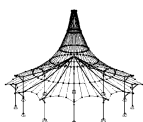
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
7	KZ2	39	1.000	-2.750	-2.200	1.338	3.696	-1.201	-0.616	0.000	-3.217	-6.581	-7.235	-19.729
		40	1.500	-2.750	-2.200	1.114	4.780	-0.643	-0.762	0.000	-4.489	-11.545	-5.243	-21.708
		41	2.000	-2.750	-2.200	0.954	4.756	-0.282	-0.807	0.000	-4.621	-6.753	-12.453	-26.544
		42	2.500	-2.750	-2.200	1.518	4.697	-0.914	-1.010	0.000	-4.291	-23.242	0.000	-26.955
		43	3.000	-2.750	-2.200	2.045	4.882	-1.414	-1.209	0.000	-4.304	-22.204	0.000	-34.715
		44	3.500	-2.750	-2.200	0.688	2.150	-0.847	-0.140	0.000	-1.852	-11.655	-4.420	-23.621
8	ZS1	45	4.000	-2.750	-2.200	0.389	0.825	-0.610	0.250	-0.031	-0.823	10.121	14.415	-22.732
		1	3.120	-1.620	-2.350	-1.717	0.000	-2.122	1.778	2.180	-0.119	65.728	13.458	-11.262
		2	3.620	-1.620	-2.350	-0.637	0.000	-2.189	1.176	2.526	-0.876	40.277	29.242	-49.552
		3	4.120	-1.620	-2.350	1.041	0.000	-1.456	0.253	1.542	-1.379	-23.453	7.200	-61.673
		1	3.120	-1.620	-2.350	0.889	0.952	-0.388	-0.645	0.000	-0.808	0.000	5.922	-11.823
		2	3.620	-1.620	-2.350	0.102	0.128	-0.115	-0.002	0.000	-0.114	0.000	-4.814	-15.459
	ZS3	3	4.120	-1.620	-2.350	0.656	0.595	-0.296	0.019	-0.414	-0.560	0.000	-0.464	-16.402
		1	3.120	-1.620	-2.350	-0.475	0.000	-0.569	0.484	0.577	-0.018	17.947	3.486	-2.562
		2	3.620	-1.620	-2.350	-0.177	0.000	-0.586	0.311	0.672	-0.220	11.124	7.827	-12.868
	ZS6	3	4.120	-1.620	-2.350	0.280	0.000	-0.406	0.066	0.429	-0.369	-5.782	1.931	-16.144
		1	3.120	-1.620	-2.350	-1.937	0.000	-2.632	2.476	3.007	-0.915	101.784	34.910	-25.530
		2	3.620	-1.620	-2.350	-1.095	0.000	-3.689	2.134	4.324	-1.673	49.369	45.257	-88.942
	KZ1	3	4.120	-1.620	-2.350	2.640	0.000	-1.958	0.481	2.079	-3.242	9.791	-49.282	-1E+02
		1	3.120	-1.620	-2.350	-1.124	0.000	-1.575	1.491	1.818	-0.611	61.861	22.178	-16.350
		2	3.620	-1.620	-2.350	-0.669	0.000	-2.270	1.323	2.666	-1.050	29.150	27.614	-55.241
	KZ2	3	4.120	-1.620	-2.350	1.677	0.000	-1.176	0.299	1.242	-2.043	5.729	-30.754	-75.767
9	ZS1	1	3.120	-2.620	-2.350	0.142	0.969	-1.229	1.113	0.000	-0.994	-15.933	10.261	-64.864
		2	3.120	-2.120	-2.350	0.731	0.835	-0.433	-0.252	-0.141	-0.739	52.149	42.042	-59.300
		3	3.120	-1.620	-2.350	1.617	1.336	-0.209	0.000	-1.224	-1.519	70.732	22.388	-12.866
	ZS3	1	3.120	-2.620	-2.350	0.040	-0.347	-0.625	0.702	0.657	-0.427	0.000	-1.608	-19.099
		2	3.120	-2.120	-2.350	0.153	0.113	-0.161	0.000	0.109	-0.214	0.000	-6.591	-17.772
		3	3.120	-1.620	-2.350	0.000	-0.616	-0.799	0.960	0.944	-0.488	0.000	7.021	-12.851
	ZS6	1	3.120	-2.620	-2.350	0.029	0.277	-0.321	0.299	0.000	-0.285	-3.130	2.813	-16.725
		2	3.120	-2.120	-2.350	0.166	0.180	-0.112	-0.030	-0.037	-0.167	14.432	11.456	-14.977
		3	3.120	-1.620	-2.350	0.469	0.366	-0.081	0.000	-0.322	-0.432	19.281	5.522	-2.949
	KZ1	1	3.120	-2.620	-2.350	0.291	0.909	-2.781	2.609	0.000	-1.028	14.492	-51.034	-1E+02
		2	3.120	-2.120	-2.350	1.347	1.475	-0.784	-0.617	-0.108	-1.312	68.261	66.388	-1E+02
		3	3.120	-1.620	-2.350	1.985	1.209	-0.482	0.000	-0.935	-1.777	108.840	51.670	-28.124
	KZ2	1	3.120	-2.620	-2.350	0.188	0.522	-1.765	1.642	0.000	-0.587	8.582	-32.244	-72.694
		2	3.120	-2.120	-2.350	0.860	0.944	-0.496	-0.413	-0.059	-0.836	40.618	40.442	-67.255
		3	3.120	-1.620	-2.350	1.192	0.718	-0.355	0.000	-0.509	-1.045	66.133	32.820	-17.969
10	ZS1	1	4.250	-2.620	-2.350	0.156	0.417	-0.949	0.786	0.032	-0.441	14.487	5.161	-15.695
		2	4.250	-2.120	-2.350	0.839	1.772	-1.382	0.588	-0.187	-1.630	0.000	-7.418	-17.352
		3	4.250	-1.620	-2.350	2.092	1.774	-0.274	0.000	-1.628	-1.964	0.000	-16.830	-37.099
	ZS3	1	4.250	-2.620	-2.350	0.906	0.599	-0.408	0.143	-0.300	-0.940	0.000	0.808	-5.168
		2	4.250	-2.120	-2.350	0.048	0.363	-0.607	0.541	0.327	-0.672	0.000	0.432	-4.423
		3	4.250	-1.620	-2.350	0.328	1.127	-0.403	-0.083	0.000	-0.970	0.000	6.697	-2.047
	ZS6	1	4.250	-2.620	-2.350	0.045	0.113	-0.273	0.235	0.009	-0.129	3.704	1.386	-3.753
		2	4.250	-2.120	-2.350	0.237	0.470	-0.403	0.200	-0.047	-0.456	0.000	-1.495	-5.012
		3	4.250	-1.620	-2.350	0.568	0.458	-0.086	0.000	-0.411	-0.529	0.000	-4.593	-10.820
	KZ1	1	4.250	-2.620	-2.350	0.147	1.230	-0.412	0.160	0.000	-1.125	18.380	9.014	-26.591
		2	4.250	-2.120	-2.350	0.770	2.516	-1.465	0.802	-0.450	-2.174	0.000	-13.411	-35.780
		3	4.250	-1.620	-2.350	4.034	4.025	-0.219	0.000	-3.912	-3.928	0.000	-19.594	-69.366
	KZ2	1	4.250	-2.620	-2.350	0.145	0.786	-0.245	0.031	0.000	-0.717	11.108	5.564	-16.678
		2	4.250	-2.120	-2.350	0.439	1.528	-0.842	0.189	0.000	-1.314	0.000	-8.599	-22.115
		3	4.250	-1.620	-2.350	2.524	2.560	-0.157	-2.443	0.000	-2.484	0.000	-11.522	-42.385
11	ZS1	1	3.120	-2.750	-2.350	0.000	-0.598	-1.767	2.088	1.148	-0.871	0.000	-22.277	-40.764
		2	3.620	-2.750	-2.350	0.860	-0.021	-1.867	1.043	1.748	-1.764	0.000	-4.444	-20.368
		3	4.120	-2.750	-2.350	0.917	0.111	-0.517	0.209	0.367	-1.086	15.701	5.403	-18.333
	ZS3	1	3.120	-2.750	-2.350	-0.177	0.000	-1.375	0.524	1.598	-0.569	0.000	8.381	-2.435
		2	3.620	-2.750	-2.350	0.575	0.272	-0.783	0.090	0.537	-0.690	0.000	0.459	-5.251
		3	4.120	-2.750	-2.350	0.155	-0.335	-1.004	0.958	0.645	-0.419	0.000	1.352	-5.478
	ZS6	1	3.120	-2.750	-2.350	0.000	-0.002	-0.464	0.559	0.224	-0.318	0.000	-6.317	-10.615
		2	3.620	-2.750	-2.350	0.257	0.084	-0.556	0.310	0.444	-0.539	0.000	0.024	-5.831
		3	4.120	-2.750	-2.350	0.271	0.056	-0.150	0.064	0.084	-0.325	4.139	1.769	-4.802
	KZ1	1	3.120	-2.750	-2.350	0.000	-2.706	-3.514	3.682	2.892	-0.354	0.000	-27.095	-74.494
		2	3.620	-2.750	-2.350	1.035	-0.311	-2.338	0.976	2.518	-1.880	0.000	-10.198	-39.198
		3	4.120	-2.750	-2.350	0.279	0.000	-1.099	0.165	1.193	-0.537	20.225	9.396	-30.410
	KZ2	1	3.120	-2.750	-2.350	0.000	-1.817	-2.240	2.305	1.886	-0.133	0.000	-15.851	-46.325
		2	3.620	-2.750	-2.350	0.578	-0.209	-1.397	0.549	1.538	-1.059	0.000	-6.925	-24.421
		3	4.120	-2.750	-2.350	0.087	0.000	-0.707	0.155	0.771	-0.306	12.156	5.652	-18.831
12	ZS1	1	0.000	-2.630	-2.350	0.653	0.301	-0.879	0.474	0.421	-0.970	1.482	1.213	-13.649
		2	0.500	-2.630	-2.350	1.447	2.144	-2.175	0.492	0.460	-2.368	1.038	4.242	-15.526
		3	1.000	-2.630	-2.350	1.421	2.487	-1.484	-0.244	0.495	-2.675	0.649	2.694	-16.518
		4	0.000	-2.130	-2.350	3.107	1.282	-1.851	0.000	0.096	-2.634	2.912	0.000	-15.904
		5	0.500	-2.130	-2.350	0.990	0.758	-2.774	1.650	2.060	-2.684	2.382	2.286	-12.787
		6	1.000	-2.130	-2.350	-0.107	-0.087	-2.415	2.257	2.429	-2.077	3.187	9.533	-14.164
		7	0.000	-1.630	-2.350	4.193	1.377	-0.991	0.000	-0.807	-3.772	7.398	0.000	-21.837
		8	0.500	-1.630	-2.350	-0.330	0.000	-1.759	1.119	2.072	-1.101	8.908	2.163	-14.337
		9	1.000	-1.630	-2.350	-1.625	0.000	-3.153	2.269	3.596	-1.088	8.662	14.743	-11.231
		10	0.000	-1.130	-2.350	5.623	0.000	-1.380</						



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 11/20

Oddíl: 1

VÝSLEDKY

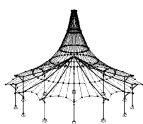
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
12	ZS6	4	0.000	-2.130	-2.350	0.802	0.329	-0.506	0.000	0.058	-0.682	0.649	0.000	-4.793
		5	0.500	-2.130	-2.350	0.269	0.183	-0.749	0.443	0.578	-0.723	0.911	0.680	-3.719
		6	1.000	-2.130	-2.350	-0.088	0.025	-0.677	0.610	0.707	-0.578	1.288	2.939	-4.046
		7	0.000	-1.630	-2.350	1.035	0.353	-0.270	0.000	-0.195	-0.922	1.989	0.000	-6.350
		8	0.500	-1.630	-2.350	-0.091	0.000	-0.468	0.289	0.552	-0.281	2.551	0.602	-3.935
		9	1.000	-1.630	-2.350	-0.414	0.000	-0.840	0.577	0.954	-0.276	2.586	4.236	-3.086
		10	0.000	-1.130	-2.350	1.384	0.000	-0.425	0.000	0.286	-1.245	-7.521	0.000	-12.718
		11	0.500	-1.130	-2.350	-0.185	0.000	-0.666	0.405	0.791	-0.345	2.473	0.000	-3.231
		12	1.000	-1.130	-2.350	-0.346	0.000	-0.777	0.568	0.912	-0.357	15.479	10.501	-7.329
	KZ1	1	0.000	-2.630	-2.350	1.223	0.724	-0.791	0.117	-0.030	-1.242	4.091	4.777	-19.513
		2	0.500	-2.630	-2.350	2.567	4.216	-3.251	0.057	0.673	-4.262	1.000	1.822	-27.299
		3	1.000	-2.630	-2.350	2.732	5.671	-2.449	-0.886	0.724	-5.793	0.095	-7.634	-30.925
		4	0.000	-2.130	-2.350	5.919	2.115	-2.583	0.000	-0.408	-5.043	-0.626	0.000	-27.952
		5	0.500	-2.130	-2.350	1.866	1.441	-4.431	2.338	3.062	-4.276	-0.853	2.194	-26.496
		6	1.000	-2.130	-2.350	-0.122	0.230	-4.002	3.634	3.706	-3.446	0.669	7.330	-26.496
		7	0.000	-1.630	-2.350	8.736	2.562	-1.462	0.000	-1.764	-0.072	4.376	0.000	-42.266
		8	0.500	-1.630	-2.350	-0.138	0.000	-2.867	1.389	3.378	-1.762	5.119	2.806	-28.643
		9	1.000	-1.630	-2.350	-2.453	0.000	-5.412	3.627	6.205	-1.968	7.038	13.958	-20.126
		10	0.000	-1.130	-2.350	11.590	0.331	-2.036	0.000	0.785	-10.670	-76.854	0.000	-96.241
		11	0.500	-1.130	-2.350	-0.820	0.000	-4.213	2.330	5.023	-2.321	-6.980	0.000	-22.710
		12	1.000	-1.130	-2.350	-1.716	0.000	-4.399	3.159	5.212	-2.255	69.273	47.385	-31.528
	KZ2	1	0.000	-2.630	-2.350	0.772	0.465	-0.441	0.027	-0.029	-0.794	2.720	3.339	-11.520
		2	0.500	-2.630	-2.350	1.588	2.655	-1.960	-0.022	0.404	-2.665	0.367	0.571	-16.395
		3	1.000	-2.630	-2.350	1.702	3.641	-1.490	-0.585	0.430	-3.698	0.024	-5.870	-19.183
		4	0.000	-2.130	-2.350	3.695	1.307	-1.551	0.000	-0.294	-3.157	-0.556	0.000	-16.895
		5	0.500	-2.130	-2.350	1.155	0.907	-2.706	1.412	1.843	-2.612	-0.965	1.215	-16.343
		6	1.000	-2.130	-2.350	-0.076	0.179	-2.442	2.218	2.222	-2.101	0.245	3.488	-16.335
		7	0.000	-1.630	-2.350	5.520	1.600	-0.888	0.000	-1.118	-5.115	2.263	0.000	-25.914
		8	0.500	-1.630	-2.350	-0.061	0.000	-1.760	0.836	2.073	-1.088	2.528	1.670	-17.790
		9	1.000	-1.630	-2.350	-1.508	0.000	-3.335	2.242	3.828	-1.227	4.010	7.827	-12.655
		10	0.000	-1.130	-2.350	7.306	0.240	-1.204	0.000	0.416	-6.759	-49.057	0.000	-59.889
		11	0.500	-1.130	-2.350	-0.492	0.000	-2.596	1.427	3.096	-1.435	-5.448	0.064	-14.243
		12	1.000	-1.130	-2.350	-1.046	0.000	-2.693	1.935	3.191	-1.388	41.209	28.165	-18.766
13	ZS1	1	0.000	-1.000	-2.650	2.228	1.991	-0.848	0.041	-1.332	-2.080	28.734	20.372	-22.271
		2	0.500	-1.000	-2.650	0.746	0.531	-1.124	0.591	0.503	-1.248	11.693	6.387	-28.671
		3	1.000	-1.000	-2.650	0.658	0.153	-1.502	0.845	1.349	-1.502	-2.209	4.346	-35.637
		4	0.000	-0.500	-2.650	1.523	0.989	-1.751	0.228	0.762	-1.751	3.629	4.817	-16.446
		5	0.500	-0.500	-2.650	0.762	0.729	-2.328	1.580	1.590	-2.333	6.525	4.083	-17.023
		6	1.000	-0.500	-2.650	0.499	0.513	-1.565	1.053	1.195	-1.695	15.261	13.299	-35.970
		7	0.000	0.000	-2.650	0.825	0.580	-1.438	0.613	0.858	-1.438	3.327	0.000	-22.440
		8	0.500	0.000	-2.650	1.418	1.596	-1.651	0.360	-0.025	-1.699	7.582	9.422	-21.370
		9	1.000	0.000	-2.650	2.415	2.516	-1.069	-1.460	-0.199	-2.202	19.961	26.846	-27.795
	ZS3	1	0.000	-1.000	-2.650	0.100	0.048	-0.240	0.060	0.217	-0.184	3.297	-0.378	-7.493
		2	0.500	-1.000	-2.650	0.286	0.280	-0.106	0.000	-0.177	-0.283	3.603	2.509	-4.520
		3	1.000	-1.000	-2.650	0.164	0.197	-0.162	0.118	-0.059	-0.260	2.326	4.598	-4.675
		4	0.000	-0.500	-2.650	0.398	0.244	-0.364	-0.004	0.098	-0.373	0.518	-0.939	-3.981
		5	0.500	-0.500	-2.650	0.311	0.348	-0.341	0.009	0.039	-0.367	0.050	-0.652	-2.104
		6	1.000	-0.500	-2.650	0.399	0.411	-0.203	0.001	-0.199	-0.410	0.663	5.062	-3.583
		7	0.000	0.000	-2.650	0.430	0.519	-0.448	-0.037	0.000	-0.465	4.506	4.462	-3.036
		8	0.500	0.000	-2.650	0.340	0.465	-0.447	0.091	0.000	-0.449	0.435	-0.090	-3.649
		9	1.000	0.000	-2.650	0.078	0.243	-0.387	0.312	0.141	-0.387	1.992	8.613	-8.328
	ZS6	1	0.000	-1.000	-2.650	0.543	0.485	-0.183	0.014	-0.336	-0.522	7.648	5.193	-6.276
		2	0.500	-1.000	-2.650	0.201	0.148	-0.303	0.150	0.132	-0.328	3.342	1.654	-7.624
		3	1.000	-1.000	-2.650	0.141	0.024	-0.377	0.228	0.361	-0.377	-0.349	1.063	-9.320
		4	0.000	-0.500	-2.650	0.382	0.246	-0.455	0.073	0.210	-0.455	1.090	1.122	-4.744
		5	0.500	-0.500	-2.650	0.221	0.202	-0.623	0.405	0.419	-0.624	1.921	1.179	-4.839
		6	1.000	-0.500	-2.650	0.123	0.124	-0.424	0.298	0.337	-0.457	4.327	3.241	-9.629
		7	0.000	0.000	-2.650	0.161	0.092	-0.341	0.180	0.249	-0.341	0.277	0.000	-6.099
		8	0.500	0.000	-2.650	0.362	0.400	-0.443	0.107	0.024	-0.451	2.250	2.713	-6.200
		9	1.000	0.000	-2.650	0.615	0.623	-0.270	-0.375	-0.037	-0.555	5.674	6.898	-8.257
	KZ1	1	0.000	-1.000	-2.650	3.672	3.051	-1.041	0.000	-2.268	-3.413	44.331	25.059	-30.171
		2	0.500	-1.000	-2.650	1.570	1.170	-1.773	0.838	0.435	-2.240	19.937	9.033	-44.825
		3	1.000	-1.000	-2.650	1.037	0.355	-2.344	1.263	2.030	-2.341	-2.435	8.690	-61.021
		4	0.000	-0.500	-2.650	2.762	1.479	-2.536	0.050	0.835	-2.589	2.702	6.804	-30.709
		5	0.500	-0.500	-2.650	1.310	1.304	-3.567	2.223	2.323	-3.592	9.775	5.899	-31.005
		6	1.000	-0.500	-2.650	1.159	1.215	-2.477	1.261	1.593	-2.752	22.564	25.273	-57.724
		7	0.000	0.000	-2.650	1.338	1.007	-1.770	0.432	0.762	-1.770	8.875	0.000	-34.518
		8	0.500	0.000	-2.650	2.337	2.869	-2.349	-0.285	0.000	-2.571	12.276	14.029	-39.014
		9	1.000	0.000	-2.650	3.686	4.264	-1.384	-2.796	0.000	-3.770	25.812	47.176	-37.440
	KZ2	1	0.000	-1.000	-2.650	2.289	1.893	-0.649	0.000	-1.413	-2.120	27.073	15.107	-17.947
		2	0.500	-1.000	-2.650	0.980	0.729	-1.082	0.513	0.250	-1.390	12.121	5.503	-27.413
		3	1.000	-1.000	-2.650	0.662	0.230	-1.448	0.767	1.236	-1.447	-1.557	5.484	-37.763
		4	0.000	-0.500	-2.650	1.727	0.912	-1.547	0.026	0.476	-1.593	1.411	4.232	-18.806
		5	0.500	-0.500	-2.650	0.795	0.801	-2.174	1.355	1.416	-2.193	5.824	3.515	-18.984
		6	1.000	-0.500	-2.650	0.736	0.775	-1.510	0.739	0.944	-1.684	13.540	15.911	-35.339
		7	0.000	0.000	-2.650	0.862	0.665	-1.085	0.223	0.420	-1.085	6.141	0.000	-21.071
		8	0.500	0.000	-2.650	1.446	1.795	-1.424	-0.230	0.000	-1.587	7.368	8.396	-23.806
		9	1.000	0.000	-2.650	2.268	2.660	-0.842	-1.733	0.0				



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 12/20

Oddíl: 1

VÝSLEDKY

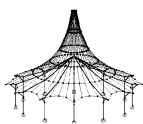
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
14	ZS3	8	3.620	-1.620	-2.650	0.237	0.292	-0.070	-0.169	0.045	-0.335	4.237	3.616	-4.995
		9	4.120	-1.620	-2.650	0.043	0.071	-0.259	0.121	0.309	-0.284	6.867	2.633	-8.941
	ZS6	1	3.120	-2.620	-2.650	0.701	0.725	-0.419	-0.397	0.065	-0.676	7.085	7.778	-10.910
		2	3.620	-2.620	-2.650	0.380	0.371	-0.519	0.126	0.191	-0.548	2.567	2.556	-5.653
		3	4.120	-2.620	-2.650	0.329	0.319	-0.556	0.227	0.237	-0.556	1.195	0.856	-6.498
		4	3.120	-2.120	-2.650	0.061	0.103	-0.406	0.346	0.303	-0.406	3.495	2.252	-10.157
		5	3.620	-2.120	-2.650	0.159	0.129	-0.600	0.442	0.471	-0.600	2.539	1.670	-6.130
		6	4.120	-2.120	-2.650	0.365	0.302	-0.489	0.113	0.231	-0.522	2.116	1.117	-4.517
		7	3.120	-1.620	-2.650	0.282	0.170	-0.634	0.352	0.464	-0.634	-5.340	0.000	-10.685
		8	3.620	-1.620	-2.650	0.182	0.096	-0.288	0.106	0.192	-0.288	3.172	2.258	-8.867
		9	4.120	-1.620	-2.650	0.660	0.649	-0.309	-0.446	0.036	-0.591	8.312	4.650	-8.078
	KZ1	1	3.120	-2.620	-2.650	4.293	4.742	-2.402	-2.580	0.222	-4.275	32.690	50.496	-50.671
		2	3.620	-2.620	-2.650	2.312	2.465	-2.796	0.400	0.629	-3.011	12.547	12.554	-33.112
		3	4.120	-2.620	-2.650	2.197	2.142	-3.028	0.838	0.880	-3.029	9.250	7.972	-40.984
		4	3.120	-2.120	-2.650	0.897	1.216	-2.385	1.488	1.169	-2.385	19.698	17.384	-59.914
		5	3.620	-2.120	-2.650	1.078	0.929	-3.444	2.366	2.515	-3.444	13.209	9.319	-37.798
		6	4.120	-2.120	-2.650	2.459	1.969	-2.717	0.571	0.654	-2.935	10.288	6.039	-27.999
		7	3.120	-1.620	-2.650	1.343	0.713	-3.442	2.099	2.730	-3.442	-27.027	0.000	-75.021
		8	3.620	-1.620	-2.650	1.452	0.876	-1.696	0.244	0.820	-1.696	20.874	13.629	-52.056
		9	4.120	-1.620	-2.650	4.313	3.970	-1.849	0.001	-2.699	-3.735	50.287	20.519	-36.562
	KZ2	1	3.120	-2.620	-2.650	2.643	2.938	-1.473	-1.595	0.123	-2.637	19.294	31.183	-29.848
		2	3.620	-2.620	-2.650	1.416	1.525	-1.690	0.194	0.381	-1.826	7.430	7.460	-20.001
		3	4.120	-2.620	-2.650	1.368	1.335	-1.842	0.478	0.505	-1.844	5.830	5.131	-25.121
		4	3.120	-2.120	-2.650	0.586	0.787	-1.451	0.865	0.664	-1.451	11.923	10.942	-36.592
		5	3.620	-2.120	-2.650	0.662	0.574	-2.093	1.433	1.517	-2.093	7.892	5.654	-23.094
		6	4.120	-2.120	-2.650	1.523	1.219	-1.651	0.347	0.350	-1.788	6.122	3.691	-17.057
		7	3.120	-1.620	-2.650	0.818	0.435	-2.099	1.282	1.665	-2.099	-16.095	0.000	-46.747
		8	3.620	-1.620	-2.650	0.909	0.551	-1.035	0.147	0.463	-1.036	12.880	8.384	-31.793
		9	4.120	-1.620	-2.650	2.670	2.444	-1.144	0.000	-1.664	-2.307	30.737	12.127	-21.521
15	ZS1	1	3.120	-1.500	-2.350	-0.737	0.000	-3.028	1.505	3.521	-1.260	56.130	44.012	-18.323
		2	3.620	-1.500	-2.350	-1.180	0.000	-2.615	2.130	3.117	-1.453	13.801	5.035	-12.457
		3	4.120	-1.500	-2.350	3.735	0.275	-1.542	0.506	0.971	-3.946	-18.898	0.000	-34.147
		4	3.120	-1.000	-2.350	-1.365	-0.045	-2.997	2.331	3.375	-1.300	6.941	21.762	-20.035
		5	3.620	-1.000	-2.350	-0.624	0.109	-2.258	1.727	2.456	-1.411	6.379	2.911	-12.605
		6	4.120	-1.000	-2.350	2.662	1.062	-1.246	0.383	-0.010	-2.851	7.472	0.143	-17.535
		7	3.120	-0.500	-2.350	0.134	-0.056	-1.789	1.968	1.525	-1.782	3.422	10.796	-16.184
		8	3.620	-0.500	-2.350	0.936	0.796	-2.766	1.840	1.973	-2.780	2.662	3.875	-13.997
		9	4.120	-0.500	-2.350	2.394	1.261	-2.149	0.451	0.544	-2.500	0.021	1.066	-14.331
		10	3.120	0.000	-2.350	1.815	3.011	-0.110	-1.759	0.000	-2.957	0.000	3.787	-18.277
		11	3.620	0.000	-2.350	1.609	2.819	-2.125	0.241	0.000	-2.544	0.000	4.725	-15.277
		12	4.120	0.000	-2.350	0.525	0.863	-1.031	0.435	0.261	-1.055	3.719	4.450	-17.867
	ZS3	1	3.120	-1.500	-2.350	0.569	0.758	-0.171	-0.472	0.000	-0.684	0.000	-4.587	-18.098
		2	3.620	-1.500	-2.350	0.215	0.213	-0.082	-0.126	-0.013	-0.208	0.000	-0.039	-13.901
		3	4.120	-1.500	-2.350	1.209	0.421	-0.189	-0.018	-0.298	-1.124	0.000	-1.803	-17.142
		4	3.120	-1.000	-2.350	0.205	0.264	-0.092	-0.148	0.000	-0.229	-0.591	-6.691	-8.475
		5	3.620	-1.000	-2.350	0.235	0.155	-0.082	-0.048	-0.044	-0.216	-0.085	-2.284	-7.147
		6	4.120	-1.000	-2.350	0.911	0.257	-0.245	-0.010	-0.094	-0.819	0.000	-1.382	-6.768
		7	3.120	-0.500	-2.350	0.244	0.620	-0.171	-0.143	0.000	-0.550	-3.982	0.000	-7.906
		8	3.620	-0.500	-2.350	0.340	0.430	-0.230	-0.180	0.000	-0.361	-0.503	-2.638	-4.957
		9	4.120	-0.500	-2.350	0.635	0.467	-0.427	-0.043	-0.091	-0.541	0.526	0.636	-4.327
		10	3.120	0.000	-2.350	0.340	1.712	-0.761	0.149	0.000	-1.440	-3.855	0.000	-9.292
		11	3.620	0.000	-2.350	0.571	1.033	-0.614	-0.131	0.000	-0.860	-0.929	0.000	-4.931
		12	4.120	0.000	-2.350	0.724	0.797	-0.619	-0.039	-0.170	-0.694	4.762	5.304	-4.738
	ZS6	1	3.120	-1.500	-2.350	-0.206	0.000	-0.808	0.404	0.937	-0.327	15.626	12.372	-5.136
		2	3.620	-1.500	-2.350	-0.311	0.000	-0.705	0.564	0.839	-0.388	4.172	1.416	-3.397
		3	4.120	-1.500	-2.350	0.953	0.077	-0.459	0.134	0.290	-0.995	-4.664	0.000	-9.599
		4	3.120	-1.000	-2.350	-0.372	-0.019	-0.833	0.630	0.939	-0.344	2.199	6.329	-5.554
		5	3.620	-1.000	-2.350	-0.176	0.024	-0.623	0.468	0.680	-0.373	2.012	0.866	-3.572
		6	4.120	-1.000	-2.350	0.681	0.279	-0.345	0.104	0.013	-0.732	2.133	0.047	-5.286
		7	3.120	-0.500	-2.350	0.036	-0.066	-0.519	0.570	0.484	-0.506	1.299	3.494	-4.731
		8	3.620	-0.500	-2.350	0.251	0.186	-0.768	0.524	0.577	-0.769	1.032	1.300	-4.208
		9	4.120	-0.500	-2.350	0.645	0.330	-0.605	0.131	0.182	-0.684	0.052	0.315	-4.499
		10	3.120	0.000	-2.350	0.483	0.743	-0.074	-0.444	0.000	-0.708	0.033	2.540	-5.803
		11	3.620	0.000	-2.350	0.429	0.722	-0.608	0.141	0.000	-0.685	0.327	1.996	-5.092
		12	4.120	0.000	-2.350	0.133	0.220	-0.310	0.168	0.100	-0.311	1.024	1.142	-5.526
	KZ1	1	3.120	-1.500	-2.350	-0.445	0.000	-4.427	1.807	5.224	-2.158	67.452	54.957	-11.674
		2	3.620	-1.500	-2.350	-1.738	0.000	-4.388	3.485	5.257	-2.615	4.453	6.287	-19.748
		3	4.120	-1.500	-2.350	8.046	0.820	-2.517	0.847	1.218	-8.414	0.579	-53.142	-68.865
		4	3.120	-1.000	-2.350	-2.091	0.002	-5.132	3.857	5.763	-2.398	0.621	26.916	-35.008
		5	3.620	-1.000	-2.350	-0.870	0.232	-3.807	2.677	4.099	-2.331	2.950	3.276	-26.016
		6	4.120	-1.000	-2.350	5.656	1.949	-1.953	0.586	-0.327	-5.911	3.762	0.083	-34.123
		7	3.120	-0.500	-2.350	0.253	0.506	-2.853	3.117	1.938	-2.961	1.227	7.747	-29.369
		8	3.620	-0.500	-2.350	1.668	1.671	-4.422	2.733	2.886	-4.537	1.246	2.257	-28.536
		9	4.120	-0.500	-2.350	4.582	2.175	-3.157	0.572	0.386	-4.559	-4.638	1.238	-25.429
		10	3.120	0.000	-2.350	3.409	6.708	-0.086	-3.366	0.000	-6.665	0.000	-10.745	-33.386
		11	3.620	0.000	-2.350	2.858	5.794	-3.242	-0.470	0.000	-4.940	0.000	-0.204	-26.988
		12	4.120	0.000	-2.350	1.069	1.831	-0.999	-0.356	0.000	-1.545	8.162	8.174	-26.481
	KZ2	1	3.120	-1.500	-2.350	-0.226	0.000	-2.689						



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 13/20

Oddíl: 1

VÝSLEDKY

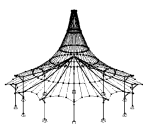
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
16	ZS1	6	1.630	-2.000	-2.350	-1.415	0.000	-2.629	1.903	2.951	-0.809	5.095	3.718	-4.360
		7	2.130	-2.000	-2.350	-1.485	0.000	-2.606	1.550	2.665	-0.124	7.660	0.153	-3.586
		8	2.630	-2.000	-2.350	-1.185	0.005	-2.437	1.820	2.695	-0.899	8.173	3.454	-1.302
		9	1.130	-1.500	-2.350	-1.544	0.000	-3.384	1.874	3.644	-0.589	16.699	22.350	-1.891
		10	1.630	-1.500	-2.350	-1.995	0.000	-3.965	2.296	4.220	-0.557	16.184	4.466	-4.219
		11	2.130	-1.500	-2.350	-2.153	0.000	-4.139	2.267	4.247	-0.221	18.784	0.334	-4.784
		12	2.630	-1.500	-2.350	-1.968	0.000	-3.864	2.152	4.025	-0.345	21.048	4.222	-2.773
		13	1.130	-1.000	-2.350	-0.720	0.120	-2.997	1.334	2.894	-0.631	31.924	39.247	-5.812
		14	1.630	-1.000	-2.350	-1.711	0.000	-3.402	1.974	3.556	-0.417	17.646	2.581	-0.662
		15	2.130	-1.000	-2.350	-1.943	0.000	-3.686	2.044	3.780	-0.194	15.096	0.182	-4.183
		16	2.630	-1.000	-2.350	-1.844	0.000	-3.637	2.294	3.980	-0.792	10.296	4.563	-4.600
		17	1.130	-0.500	-2.350	0.327	0.894	-2.668	2.294	1.835	-2.683	2.957	16.465	-15.656
		18	1.630	-0.500	-2.350	-0.567	0.384	-1.574	1.359	1.821	-1.424	0.006	3.547	-3.269
		19	2.130	-0.500	-2.350	-0.866	0.353	-1.576	0.891	1.578	-0.381	1.214	-0.098	-4.358
		20	2.630	-0.500	-2.350	-0.819	0.344	-1.717	1.407	1.951	-1.166	0.081	2.826	-5.451
		21	1.130	0.000	-2.350	1.878	3.775	-3.240	0.959	0.000	-3.372	0.000	-31.211	-43.317
		22	1.630	0.000	-2.350	1.462	3.656	-0.604	-1.133	0.000	-3.381	0.000	10.475	-22.692
		23	2.130	0.000	-2.350	1.180	3.720	-0.141	-1.107	0.000	-3.651	0.000	-1.322	-17.455
		24	2.630	0.000	-2.350	1.381	4.065	-0.806	-0.928	0.000	-3.712	0.000	-0.873	-15.640
	ZS3	1	1.130	-2.500	-2.350	0.520	1.261	-0.280	-0.362	0.000	-1.139	-4.283	0.000	-8.061
		2	1.630	-2.500	-2.350	0.340	1.470	-0.165	-0.252	0.000	-1.393	-5.050	0.000	-8.941
		3	2.130	-2.500	-2.350	0.278	1.471	-0.044	-0.255	0.000	-1.450	-5.292	0.000	-9.188
		4	2.630	-2.500	-2.350	0.392	1.629	-0.300	-0.226	0.000	-1.496	-4.295	0.000	-9.607
		5	1.130	-2.000	-2.350	0.191	0.326	-0.075	-0.078	-0.042	-0.322	-5.404	0.000	-7.914
		6	1.630	-2.000	-2.350	0.117	0.402	-0.065	-0.057	0.024	-0.422	-5.724	0.000	-9.305
		7	2.130	-2.000	-2.350	0.100	0.382	-0.045	-0.059	0.023	-0.401	-5.822	0.000	-9.508
		8	2.630	-2.000	-2.350	0.093	0.356	-0.067	-0.042	0.010	-0.350	-4.633	0.000	-10.322
		9	1.130	-1.500	-2.350	0.343	0.198	-0.098	0.000	-0.138	-0.305	-6.363	0.000	-10.849
		10	1.630	-1.500	-2.350	0.073	0.086	-0.132	0.059	0.046	-0.131	-6.889	0.000	-10.131
		11	2.130	-1.500	-2.350	0.000	-0.043	-0.077	0.086	0.057	-0.023	-6.438	0.000	-9.739
		12	2.630	-1.500	-2.350	0.037	0.058	-0.094	0.063	0.035	-0.099	-7.001	0.000	-10.548
		13	1.130	-1.000	-2.350	0.454	0.242	-0.107	0.018	-0.159	-0.448	-3.846	0.000	-16.947
		14	1.630	-1.000	-2.350	0.058	0.184	-0.084	0.018	0.001	-0.178	-6.379	0.000	-10.811
		15	2.130	-1.000	-2.350	0.031	0.099	-0.058	0.030	0.031	-0.134	-6.260	0.000	-9.766
		16	2.630	-1.000	-2.350	0.094	0.177	-0.126	0.030	0.050	-0.225	-6.475	0.000	-9.653
		17	1.130	-0.500	-2.350	0.228	0.470	-0.245	-0.034	0.000	-0.419	-0.800	0.000	-19.436
		18	1.630	-0.500	-2.350	0.199	0.760	-0.122	-0.132	0.000	-0.704	-3.532	0.000	-10.022
		19	2.130	-0.500	-2.350	0.183	0.815	-0.004	-0.182	0.000	-0.813	-5.447	0.000	-9.663
		20	2.630	-0.500	-2.350	0.201	0.782	-0.062	-0.168	0.000	-0.753	-5.063	0.000	-9.252
		21	1.130	0.000	-2.350	1.323	2.496	-0.719	-0.903	0.000	-2.197	-2.896	0.000	-28.078
		22	1.630	0.000	-2.350	0.595	2.420	-0.474	-0.332	0.000	-2.209	-4.658	0.000	-8.823
		23	2.130	0.000	-2.350	0.391	2.297	-0.031	-0.375	0.000	-2.282	-4.997	0.000	-9.561
		24	2.630	0.000	-2.350	0.564	2.362	-0.337	-0.382	0.000	-2.207	-5.111	0.000	-9.493
	ZS6	1	1.130	-2.500	-2.350	0.204	0.477	-0.690	0.376	0.334	-0.701	0.393	2.281	-4.190
		2	1.630	-2.500	-2.350	0.052	0.447	-0.400	0.113	0.298	-0.510	0.275	1.064	-2.345
		3	2.130	-2.500	-2.350	-0.002	0.350	-0.257	0.016	0.249	-0.355	0.501	0.480	-2.299
		4	2.630	-2.500	-2.350	0.096	0.397	-0.348	0.090	0.272	-0.508	0.175	2.745	-2.787
		5	1.130	-2.000	-2.350	-0.245	0.000	-0.754	0.617	0.843	-0.460	1.206	3.307	-2.351
		6	1.630	-2.000	-2.350	-0.395	0.000	-0.746	0.541	0.842	-0.242	1.825	1.728	-1.293
		7	2.130	-2.000	-2.350	-0.434	0.000	-0.739	0.458	0.761	-0.045	2.630	0.783	-1.023
		8	2.630	-2.000	-2.350	-0.337	0.001	-0.679	0.506	0.749	-0.240	2.565	1.656	-0.270
		9	1.130	-1.500	-2.350	-0.382	0.000	-0.884	0.469	0.952	-0.154	4.679	6.408	-0.617
		10	1.630	-1.500	-2.350	-0.538	0.000	-1.052	0.620	1.121	-0.151	4.591	1.914	-1.123
		11	2.130	-1.500	-2.350	-0.602	0.000	-1.103	0.642	1.140	-0.077	5.325	0.894	-1.279
		12	2.630	-1.500	-2.350	-0.549	0.000	-1.028	0.585	1.058	-0.066	5.970	1.882	-0.709
		13	1.130	-1.000	-2.350	-0.124	0.035	-0.763	0.292	0.729	-0.169	8.787	11.018	-1.603
		14	1.630	-1.000	-2.350	-0.462	0.000	-0.900	0.528	0.933	-0.099	5.072	1.490	-0.264
		15	2.130	-1.000	-2.350	-0.549	0.000	-0.996	0.583	1.027	-0.064	4.384	0.845	-1.166
		16	2.630	-1.000	-2.350	-0.519	0.000	-0.996	0.640	1.090	-0.215	3.063	1.922	-1.248
		17	1.130	-0.500	-2.350	0.189	0.200	-0.711	0.522	0.511	-0.711	1.173	5.446	-4.010
		18	1.630	-0.500	-2.350	-0.156	0.077	-0.471	0.399	0.541	-0.390	0.364	1.633	-0.750
		19	2.130	-0.500	-2.350	-0.274	0.067	-0.482	0.291	0.497	-0.099	0.824	0.690	-1.109
		20	2.630	-0.500	-2.350	-0.257	0.075	-0.526	0.414	0.591	-0.297	0.480	1.472	-1.580
		21	1.130	0.000	-2.350	0.314	0.575	-0.626	0.312	0.051	-0.626	0.000	-6.212	-10.564
		22	1.630	0.000	-2.350	0.362	0.736	-0.210	-0.239	0.000	-0.648	0.000	3.212	-5.064
		23	2.130	0.000	-2.350	0.277	0.706	-0.007	-0.274	0.000	-0.703	0.000	0.316	-3.607
		24	2.630	0.000	-2.350	0.349	0.888	-0.245	-0.205	0.000	-0.787	0.000	0.568	-3.568
	KZ1	1	1.130	-2.500	-2.350	1.854	5.370	-4.146	1.503	1.669	-6.250	0.000	-5.499	-27.539
		2	1.630	-2.500	-2.350	0.861	5.153	-1.946	0.060	1.419	-5.547	-4.139	-7.669	-23.090
		3	2.130	-2.500	-2.350	0.561	5.038	-1.375	-0.370	1.043	-4.896	-2.868	-8.475	-27.720
		4	2.630	-2.500	-2.350	1.312	5.057	-1.814	-0.138	1.348	-5.764	-2.410	4.264	-29.371
		5	1.130	-2.000	-2.350	-1.088	-0.154	-4.518	3.780	4.825	-2.845	0.000	5.714	-14.964
		6	1.630	-2.000	-2.350	-2.252	0.000	-4.238	3.262	4.819	-1.591	-1.582	0.000	-11.560
		7	2.130	-2.000	-2.350	-2.535	0.000	-4.093	2.635	4.180	-0.188	3.274	0.000	-16.974
		8	2.630	-2.000	-2.350	-1.855	0.012	-3.990	3.140	4.360	-1.669	6.867	0.412	-9.845
		9	1.130	-1.500	-2.350	-2.176	0.000	-5.712	2.889	6.248	-1.249	19.495	25.522	-4.964
		10	1.630	-1.500	-2.350	-3.453	0.000	-6.938	4.138	7.497	-1.245	16.068	0.000	-11.342
		11	2.130	-1.500	-2.350	-3.892	0.000	-7.341	4.113	7.549	-0.429	20.327	0.000	-17.832
		12	2.630	-1.500										



Piada s.r.o.

Ing. Miloš Bratka

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Strana: 14/20

Oddíl: 1

VÝSLEDKY

Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
16	KZ2	4	2.630	-2.500	-2.350	0.859	3.294	-1.088	-0.132	0.804	-3.736	-1.743	2.060	-19.263
		5	1.130	-2.000	-2.350	-0.671	-0.069	-2.765	2.315	2.930	-1.740	0.000	2.358	-9.484
		6	1.630	-2.000	-2.350	-1.364	0.000	-2.568	1.993	2.919	-0.980	-1.825	0.000	-8.073
		7	2.130	-2.000	-2.350	-1.538	0.000	-2.468	1.599	2.520	-0.113	1.226	0.000	-11.611
		8	2.630	-2.000	-2.350	-1.108	0.007	-2.439	1.924	2.658	-1.042	3.584	0.229	-7.256
		9	1.130	-1.500	-2.350	-1.336	0.000	-3.529	1.784	3.865	-0.784	11.970	14.774	-3.654
		10	1.630	-1.500	-2.350	-2.125	0.000	-4.285	2.555	4.636	-0.781	9.073	0.000	-8.047
		11	2.130	-1.500	-2.350	-2.389	0.000	-4.536	2.519	4.659	-0.253	11.806	0.000	-12.168
		12	2.630	-1.500	-2.350	-2.112	0.000	-4.192	2.391	4.430	-0.518	14.737	0.438	-8.084
		13	1.130	-1.000	-2.350	-0.378	0.152	-3.037	1.062	2.899	-0.697	29.595	29.169	-8.735
		14	1.630	-1.000	-2.350	-1.765	0.000	-3.599	2.161	3.794	-0.591	12.409	0.000	-8.144
		15	2.130	-1.000	-2.350	-2.116	0.000	-3.905	2.224	4.007	-0.210	8.272	0.000	-11.985
		16	2.630	-1.000	-2.350	-1.927	0.000	-3.863	2.527	4.285	-1.021	2.894	0.067	-7.708
		17	1.130	-0.500	-2.350	0.310	1.417	-2.816	2.485	1.597	-2.992	-4.959	4.364	-15.091
		18	1.630	-0.500	-2.350	-0.295	0.620	-1.411	1.338	1.570	-1.823	-3.730	0.295	-9.461
		19	2.130	-0.500	-2.350	-0.765	0.606	-1.142	0.800	1.132	-0.631	-4.678	-1.026	-12.526
		20	2.630	-0.500	-2.350	-0.611	0.546	-1.418	1.338	1.626	-1.480	-5.815	-0.873	-10.060
		21	1.130	0.000	-2.350	2.696	7.248	-4.353	0.414	0.000	-6.006	-53.867	0.000	-56.668
		22	1.630	0.000	-2.350	1.964	5.903	-0.546	-1.678	0.000	-5.644	0.000	2.808	-29.064
		23	2.130	0.000	-2.350	1.607	6.387	-0.287	-1.460	0.000	-6.248	0.000	-10.808	-23.516
		24	2.630	0.000	-2.350	1.821	6.483	-0.777	-1.405	0.000	-6.122	0.000	-10.547	-21.471
17	ZS1	1	4.250	-2.500	-2.200	0.296	0.871	-1.367	0.997	0.056	-0.853	9.428	15.625	-19.502
		2	4.250	-2.000	-2.200	1.144	2.292	-1.172	-0.288	0.000	-1.977	-10.427	0.000	-20.903
		3	4.250	-1.500	-2.200	1.790	3.775	-1.018	-1.183	0.000	-3.364	-14.234	0.000	-32.397
		4	4.250	-1.000	-2.200	1.046	3.168	-0.585	-0.702	0.000	-2.928	-10.343	0.000	-19.112
		5	4.250	-0.500	-2.200	0.817	2.177	-1.294	0.117	0.009	-1.826	-6.107	0.570	-12.890
		6	4.250	0.000	-2.200	0.564	1.018	-1.496	0.931	0.192	-1.208	8.164	12.093	-11.442
		7	4.250	-2.500	-1.700	0.006	0.122	-1.248	1.272	0.218	-0.370	6.674	10.143	-9.731
		9	4.250	-1.500	-1.700	1.045	0.937	-0.104	-0.787	-0.068	-1.022	2.563	0.000	-27.629
		10	4.250	-1.000	-1.700	1.175	0.958	-0.392	-0.064	-0.655	-1.021	6.217	0.000	-14.823
		11	4.250	-0.500	-1.700	0.111	0.543	-0.305	0.167	0.020	-0.537	3.664	0.000	-10.985
		12	4.250	0.000	-1.700	0.000	-0.312	-1.689	1.899	0.614	-0.512	9.314	9.964	-4.782
		13	4.250	-2.500	-1.200	0.000	-0.086	-1.134	1.200	0.291	-0.271	6.328	4.097	-4.597
		14	4.250	-2.000	-1.200	0.347	0.226	-0.369	0.227	0.037	-0.467	7.734	0.000	-14.029
		15	4.250	-1.500	-1.200	0.725	0.307	-0.154	0.000	-0.207	-0.671	7.418	0.000	-19.099
		16	4.250	-1.000	-1.200	0.664	0.411	-0.239	0.000	-0.254	-0.581	6.083	0.000	-15.335
		17	4.250	-0.500	-1.200	0.084	0.084	-0.361	0.384	0.117	-0.309	6.201	0.000	-8.321
		18	4.250	0.000	-1.200	0.000	-0.257	-1.645	1.707	0.324	-0.129	4.901	6.940	-3.232
		19	4.250	-2.500	-0.700	0.021	-0.011	-0.841	0.876	0.241	-0.286	4.504	3.027	-4.194
		20	4.250	-2.000	-0.700	0.362	0.341	-0.438	0.150	0.068	-0.483	5.148	0.000	-9.286
		21	4.250	-1.500	-0.700	0.577	0.361	-0.171	-0.053	-0.117	-0.598	5.226	0.000	-13.056
		22	4.250	-1.000	-0.700	0.533	0.390	-0.270	-0.045	-0.096	-0.512	5.154	0.000	-11.592
		23	4.250	-0.500	-0.700	0.098	0.181	-0.363	0.315	0.132	-0.363	4.489	0.000	-5.929
		24	4.250	0.000	-0.700	0.000	-0.208	-1.201	1.248	0.267	-0.106	3.477	4.118	-0.902
		25	4.250	-2.500	-0.200	0.243	0.503	-0.706	0.431	0.000	-0.472	1.956	2.438	-4.060
		26	4.250	-2.000	-0.200	0.619	1.053	-0.671	-0.109	0.000	-0.891	0.361	0.000	-6.655
		27	4.250	-1.500	-0.200	0.544	1.058	-0.213	-0.404	0.000	-0.986	0.254	0.000	-7.756
		28	4.250	-1.000	-0.200	0.647	1.098	-0.481	-0.324	0.000	-0.940	0.427	0.000	-8.077
		29	4.250	-0.500	-0.200	0.464	0.817	-0.649	0.083	0.000	-0.715	0.807	0.000	-5.307
		30	4.250	0.000	-0.200	0.000	0.142	-0.663	0.703	0.000	-0.182	2.593	4.441	-1.319
	ZS3	1	4.250	-2.500	-2.200	1.079	0.254	-0.576	0.365	0.245	-1.366	0.000	0.174	-5.616
		2	4.250	-2.000	-2.200	0.074	0.311	-0.830	0.833	0.538	-0.925	0.170	3.091	-6.665
		3	4.250	-1.500	-2.200	0.197	0.527	-0.336	0.094	0.309	-0.792	0.532	4.575	-5.243
		4	4.250	-1.000	-2.200	0.299	0.484	-0.401	0.102	0.220	-0.704	0.369	0.798	-2.913
		5	4.250	-0.500	-2.200	0.612	0.575	-0.847	0.259	0.270	-0.870	1.570	1.825	-3.869
		6	4.250	0.000	-2.200	0.549	0.105	-0.077	0.059	-0.069	-0.568	3.906	-0.011	-5.179
		7	4.250	-2.500	-1.700	1.285	0.415	-0.507	0.267	0.002	-1.463	0.000	-1.614	-8.117
		9	4.250	-1.500	-1.700	-0.314	-0.254	-0.951	0.969	1.034	-0.484	0.000	2.494	-6.669
		10	4.250	-1.000	-1.700	-0.021	-0.485	-0.904	1.070	0.902	-0.563	0.000	0.993	-6.930
		11	4.250	-0.500	-1.700	0.430	0.136	-0.770	0.350	0.582	-0.729	0.000	0.545	-6.102
		12	4.250	0.000	-1.700	2.129	0.460	-0.094	0.000	-0.412	-2.083	0.000	-4.589	-8.531
		13	4.250	-2.500	-1.200	1.344	0.299	-0.215	0.021	-0.094	-1.355	0.000	-1.649	-8.378
		14	4.250	-2.000	-1.200	0.067	-0.442	-0.693	0.640	0.717	-0.290	0.000	1.322	-7.967
		15	4.250	-1.500	-1.200	-0.495	-0.417	-1.005	1.043	1.020	-0.146	0.000	2.188	-7.449
		16	4.250	-1.000	-1.200	-0.199	-0.607	-0.894	0.971	0.950	-0.221	0.000	1.902	-7.386
		17	4.250	-0.500	-1.200	0.243	-0.072	-0.418	0.158	0.402	-0.313	0.000	0.307	-8.035
		18	4.250	0.000	-1.200	2.666	0.570	-0.078	0.000	-0.531	-2.628	0.000	-5.258	-8.910
		19	4.250	-2.500	-0.700	1.202	0.278	-0.416	0.141	0.120	-1.325	-0.092	-1.239	-6.455
		20	4.250	-2.000	-0.700	0.187	-0.228	-0.759	0.659	0.739	-0.597	0.000	1.224	-6.012
		21	4.250	-1.500	-0.700	0.009	-0.639	-0.803	0.857	0.780	-0.203	0.000	1.662	-5.815
		22	4.250	-1.000	-0.700	0.020	-0.517	-0.773	0.865	0.816	-0.411	0.000	1.795	-6.191
		23	4.250	-0.500	-0.700	0.441	0.114	-0.715	0.290	0.557	-0.686	0.000	0.808	-6.652
		24	4.250	0.000	-0.700	2.131	0.417	-0.074	0.000	-0.378	-2.095	-0.139	-4.379	-7.288
		25	4.250	-2.500	-0.200	0.604	0.215	-0.519	0.305	0.300	-0.904	-1.016	0.976	-2.487
		26	4.250	-2.000	-0.200	0.271	0.275	-0.810	0.539	0.535	-0.810	0.000	1.611	-2.599
		27	4.250	-1.500	-0.200	0.058	-0.036	-0.313	0.264	0.247	-0.220	0.000	0.942	-2.551
		28	4.250	-1.000	-0.200	0.153	0.132	-0.603	0.453	0.446	-0.580	0.000	2.151	-3.164
		29	4.250	-0.500	-0.200	0.343	0.360	-0.905	0.562	0.546	-0.905	0.000	2.712	-3.269



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 15/20

Oddíl: 1

VÝSLEDKY

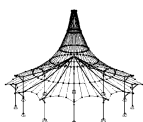
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
17	ZS6	17	4.250	-0.500	-1.200	0.030	-0.004	-0.130	0.142	0.032	-0.070	2.234	0.000	-2.774
		18	4.250	0.000	-1.200	0.000	-0.137	-0.755	0.766	0.149	-0.023	2.184	2.772	-1.283
		19	4.250	-2.500	-0.700	0.018	0.003	-0.454	0.459	0.096	-0.121	2.759	1.734	-1.994
		20	4.250	-2.000	-0.700	0.209	0.267	-0.141	0.020	-0.100	-0.255	2.561	0.000	-4.655
		21	4.250	-1.500	-0.700	0.343	0.368	-0.054	-0.040	-0.201	-0.416	2.574	0.000	-6.529
		22	4.250	-1.000	-0.700	0.294	0.346	-0.069	-0.034	-0.182	-0.354	2.535	0.000	-5.834
		23	4.250	-0.500	-0.700	0.063	0.151	-0.145	0.090	-0.020	-0.139	2.483	0.000	-3.005
		24	4.250	0.000	-0.700	0.000	-0.123	-0.760	0.811	0.190	-0.118	2.838	3.190	-0.755
		25	4.250	-2.500	-0.200	0.203	0.493	-0.536	0.275	0.000	-0.436	1.834	2.070	-2.441
		26	4.250	-2.000	-0.200	0.481	1.019	-0.496	-0.144	0.000	-0.861	0.355	0.000	-5.232
		27	4.250	-1.500	-0.200	0.394	1.118	-0.151	-0.301	0.000	-1.059	0.018	0.000	-6.410
		28	4.250	-1.000	-0.200	0.480	1.127	-0.368	-0.251	0.000	-0.987	0.091	0.000	-6.170
		29	4.250	-0.500	-0.200	0.377	0.785	-0.507	0.002	0.000	-0.658	0.700	0.000	-3.825
		30	4.250	0.000	-0.200	0.000	0.159	-0.527	0.563	0.000	-0.195	2.748	4.390	-0.478
	KZ1	1	4.250	-2.500	-2.200	0.364	1.426	-1.083	0.576	0.044	-1.327	15.286	19.758	-33.581
		2	4.250	-2.000	-2.200	0.797	3.420	-0.975	-0.179	0.000	-3.064	-17.254	-6.010	-37.228
		3	4.250	-1.500	-2.200	2.763	7.136	-1.434	-1.943	0.000	-6.522	-29.939	0.000	-53.027
		4	4.250	-1.000	-2.200	1.603	5.857	-0.599	-1.272	0.000	-5.590	-22.075	0.000	-32.912
		5	4.250	-0.500	-2.200	0.855	3.798	-1.208	-0.093	0.005	-3.357	-13.492	0.815	-21.051
		6	4.250	0.000	-2.200	0.783	1.933	-1.767	0.785	0.098	-1.832	12.055	17.258	-15.847
		7	4.250	-2.500	-1.700	0.037	0.447	-0.859	0.908	0.208	-0.741	0.397	14.561	-16.988
		9	4.250	-1.500	-1.700	0.814	1.047	-0.826	-0.407	0.423	-1.052	-4.362	0.000	-46.306
		10	4.250	-1.000	-1.700	0.807	0.922	-0.762	-0.159	0.025	-0.833	0.020	0.000	-24.047
		11	4.250	-0.500	-1.700	0.133	0.748	-0.669	0.361	0.199	-0.771	-2.361	0.000	-18.994
		12	4.250	0.000	-1.700	0.217	0.255	-0.509	0.413	0.236	-0.612	5.007	10.766	-9.315
		13	4.250	-2.500	-1.200	0.151	-0.006	-0.486	0.387	0.444	-0.490	-0.462	4.811	-8.170
		14	4.250	-2.000	-1.200	-0.099	-0.108	-0.967	0.793	1.111	-0.729	2.580	0.000	-24.243
		15	4.250	-1.500	-1.200	-0.030	0.000	-1.063	0.279	1.148	-0.333	3.348	0.000	-33.165
		16	4.250	-1.000	-1.200	-0.017	0.000	-0.864	0.350	0.988	-0.457	1.106	0.000	-26.572
		17	4.250	-0.500	-1.200	-0.099	0.009	-0.697	0.589	0.799	-0.601	-1.052	0.000	-14.210
		18	4.250	0.000	-1.200	0.756	0.285	-0.211	0.000	-0.161	-0.669	0.000	3.140	-7.256
		19	4.250	-2.500	-0.700	0.206	0.135	-0.519	0.352	0.382	-0.556	0.376	4.279	-8.079
		20	4.250	-2.000	-0.700	-0.045	0.215	-0.510	0.287	0.514	-0.460	1.368	0.000	-17.276
		21	4.250	-1.500	-0.700	0.057	0.382	-0.567	0.011	0.581	-0.464	2.145	0.000	-24.877
		22	4.250	-1.000	-0.700	0.042	0.343	-0.552	0.131	0.623	-0.587	1.460	0.000	-21.695
		23	4.250	-0.500	-0.700	0.127	0.183	-0.562	0.388	0.516	-0.653	-0.408	0.000	-11.084
		24	4.250	0.000	-0.700	0.620	0.180	-0.318	0.023	0.041	-0.547	0.346	3.321	-4.426
		25	4.250	-2.500	-0.200	0.086	0.892	-0.234	0.142	0.000	-0.886	2.316	4.643	-8.103
		26	4.250	-2.000	-0.200	0.502	2.120	-0.162	-0.417	0.000	-2.043	-2.517	0.000	-14.777
		27	4.250	-1.500	-0.200	0.816	2.890	-0.227	-0.698	0.000	-2.781	-3.300	0.000	-18.828
		28	4.250	-1.000	-0.200	0.710	2.518	-0.141	-0.638	0.000	-2.449	-2.941	0.000	-18.024
		29	4.250	-0.500	-0.200	0.340	1.366	-0.173	-0.248	0.000	-1.285	-0.942	0.000	-10.656
		30	4.250	0.000	-0.200	0.000	0.427	-0.352	0.325	0.000	-0.400	4.953	8.220	-3.175
	KZ2	1	4.250	-2.500	-2.200	0.273	0.915	-0.663	0.317	0.012	-0.854	9.237	12.107	-20.808
		2	4.250	-2.000	-2.200	0.455	2.100	-0.565	-0.091	0.000	-1.899	-10.726	-3.646	-22.981
		3	4.250	-1.500	-2.200	1.681	4.428	-0.824	-1.206	0.000	-4.078	-18.407	0.000	-32.324
		4	4.250	-1.000	-2.200	0.972	3.637	-0.319	-0.792	0.000	-3.498	-13.604	0.000	-20.117
		5	4.250	-0.500	-2.200	0.503	2.335	-0.670	-0.059	0.002	-2.111	-8.175	0.485	-12.839
		6	4.250	0.000	-2.200	0.520	1.232	-1.096	0.446	0.040	-1.143	7.475	10.278	-9.523
		7	4.250	-2.500	-1.700	0.099	0.350	-0.507	0.527	0.071	-0.540	-0.327	8.772	-10.490
		9	4.250	-1.500	-1.700	0.440	0.636	-0.562	-0.155	0.286	-0.645	-3.442	0.000	-27.912
		10	4.250	-1.000	-1.700	0.440	0.539	-0.502	0.031	0.017	-0.526	-0.555	0.000	-14.689
		11	4.250	-0.500	-1.700	0.173	0.519	-0.537	0.280	0.132	-0.566	-1.895	0.000	-11.610
		12	4.250	0.000	-1.700	0.360	0.293	-0.375	0.171	0.071	-0.520	2.369	5.939	-5.617
		13	4.250	-2.500	-1.200	0.340	0.040	-0.340	0.292	0.237	-0.569	-0.673	2.526	-5.381
		14	4.250	-2.000	-1.200	-0.132	-0.031	-0.671	0.584	0.764	-0.515	0.655	0.000	-14.235
		15	4.250	-1.500	-1.200	-0.162	0.000	-0.758	0.316	0.814	-0.211	0.926	0.000	-19.099
		16	4.250	-1.000	-1.200	-0.133	0.000	-0.624	0.356	0.707	-0.307	-0.542	0.000	-15.144
		17	4.250	-0.500	-1.200	-0.008	0.000	-0.463	0.356	0.531	-0.416	-1.594	0.000	-8.416
		18	4.250	0.000	-1.200	0.848	0.255	-0.115	0.000	-0.194	-0.794	0.000	0.901	-5.356
		19	4.250	-2.500	-0.700	0.213	0.102	-0.213	0.156	0.145	-0.403	-0.452	1.576	-4.823
		20	4.250	-2.000	-0.700	-0.143	0.110	-0.402	0.244	0.421	-0.231	-0.303	0.000	-9.251
		21	4.250	-1.500	-0.700	-0.134	0.162	-0.498	0.168	0.511	-0.209	0.163	0.000	-13.333
		22	4.250	-1.000	-0.700	-0.117	0.152	-0.481	0.218	0.512	-0.285	-0.282	0.000	-11.543
		23	4.250	-0.500	-0.700	0.055	0.065	-0.343	0.220	0.349	-0.346	-1.558	0.000	-5.883
		24	4.250	0.000	-0.700	0.705	0.209	-0.114	0.000	-0.142	-0.658	0.114	0.224	-3.868
		25	4.250	-2.500	-0.200	0.156	0.415	-0.183	-0.025	0.000	-0.362	0.444	1.890	-4.089
		26	4.250	-2.000	-0.200	0.253	0.903	-0.119	-0.186	0.000	-0.852	-1.907	0.000	-6.838
		27	4.250	-1.500	-0.200	0.367	1.228	-0.090	-0.321	0.000	-1.185	-2.183	0.000	-8.845
		28	4.250	-1.000	-0.200	0.406	1.121	-0.209	-0.290	0.000	-1.028	-2.002	0.000	-8.485
		29	4.250	-0.500	-0.200	0.209	0.612	-0.195	-0.093	0.000	-0.534	-1.082	0.000	-4.913
		30	4.250	0.000	-0.200	0.242	0.227	-0.213	0.000	-0.036	-0.219	1.638	2.850	-1.914
18	ZS1	1	0.000	0.000	-0.200	0.796	0.075	-0.445	0.000	0.234	-0.660	3.594	5.083	-2.528
		2	0.500	0.000	-0.200	0.505	0.143	-1.174	0.660	1.039	-1.172	5.165	0.000	-7.008
		3	1.000	0.000	-0.200	0.151	0.000	-1.294	0.929	1.440	-1.226	5.798	0.000	-9.335
		4	1.500	0.000	-0.200	-0.240	0.000	-1.217	0.820	1.452	-0.815	5.081	0.000	-8.784
		5	2.000	0.000	-0.200	-0.371	0.000	-1.173	0.578	1.323	-0.357	4.744	0.000	-8.176
		6	2.500	0.000	-0.200	-0.272	0.000	-1.133	0.585	1.297	-0.476	5.083		



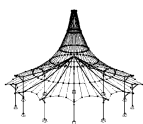
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]			
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}	
18	ZS1	23	2.000	0.000	-1.200	-0.825	0.000	-1.179	0.853	1.204	-0.053	1.040	0.000	-16.902	
		24	2.500	0.000	-1.200	-0.752	0.000	-1.146	0.779	1.165	-0.047	0.969	0.000	-14.927	
		25	3.000	0.000	-1.200	-0.512	0.000	-0.887	0.585	0.924	-0.111	2.228	0.000	-13.099	
		26	3.500	0.000	-1.200	0.001	0.010	-0.477	0.217	0.485	-0.236	3.859	0.000	-9.331	
		27	4.000	0.000	-1.200	0.977	0.179	-0.140	0.003	-0.047	-0.972	4.199	3.084	-4.031	
		28	0.000	0.000	-1.700	2.082	0.297	-0.114	0.000	-0.238	-2.027	6.657	15.514	-3.419	
		29	0.500	0.000	-1.700	0.442	0.014	-0.515	0.133	0.499	-0.572	5.425	0.891	-10.760	
		30	1.000	0.000	-1.700	-0.618	0.000	-1.188	0.935	1.375	-0.503	0.292	0.000	-22.405	
		31	1.500	0.000	-1.700	-0.841	0.000	-1.724	1.209	1.957	-0.601	-3.468	0.000	-23.999	
		32	2.000	0.000	-1.700	-0.809	0.000	-1.970	0.927	2.058	-0.206	-5.786	0.000	-18.614	
		33	2.500	0.000	-1.700	-0.743	0.000	-1.909	0.883	2.018	-0.250	-5.526	0.000	-16.979	
		34	3.000	0.000	-1.700	-0.515	0.000	-1.602	0.868	1.824	-0.574	-2.705	0.000	-14.829	
		35	3.500	0.000	-1.700	0.009	0.000	-1.068	0.508	1.250	-0.699	0.831	0.000	-10.412	
		36	4.000	0.000	-1.700	1.044	0.141	-0.441	0.137	0.334	-1.214	5.506	4.571	-4.948	
		37	0.000	0.000	-2.200	1.696	0.080	-0.298	0.000	0.103	-1.581	10.380	18.759	-3.172	
		38	0.500	0.000	-2.200	0.653	0.072	-1.490	0.651	1.520	-1.405	2.721	-1.815	-13.195	
		39	1.000	0.000	-2.200	-0.734	0.000	-2.821	2.151	3.376	-1.972	-13.554	-3.921	-35.140	
		40	1.500	0.000	-2.200	-0.817	0.000	-3.192	1.666	3.679	-1.334	-7.795	-7.831	-31.303	
		41	2.000	0.000	-2.200	-0.626	0.000	-3.130	0.790	3.251	-0.286	-2.163	-13.148	-21.512	
		42	2.500	0.000	-2.200	-0.561	0.000	-3.126	0.898	3.385	-0.595	-10.807	-3.866	-19.836	
		43	3.000	0.000	-2.200	-0.377	0.000	-2.786	1.265	3.267	-1.369	-10.923	0.000	-18.645	
		44	3.500	0.000	-2.200	-0.066	0.000	-2.199	1.328	2.608	-1.671	-5.255	0.000	-16.040	
		45	4.000	0.000	-2.200	0.247	0.037	-1.307	0.858	1.498	-1.333	3.118	6.031	-11.265	
		ZS3	1	0.000	0.000	-0.200	0.000	0.013	-0.822	0.921	0.119	-0.231	-2.359	0.000	-2.913
			2	0.500	0.000	-0.200	0.651	0.603	-1.224	0.572	0.620	-1.224	0.000	1.275	-2.581
			3	1.000	0.000	-0.200	0.593	0.514	-1.074	0.481	0.560	-1.074	0.000	0.853	-2.751
			4	1.500	0.000	-0.200	0.266	0.154	-0.550	0.262	0.405	-0.536	0.000	0.008	-2.610
			5	2.000	0.000	-0.200	0.100	0.010	-0.217	0.030	0.238	-0.160	0.000	0.067	-2.933
			6	2.500	0.000	-0.200	0.292	0.140	-0.320	0.053	0.162	-0.327	0.000	0.414	-3.370
			7	3.000	0.000	-0.200	0.540	0.479	-0.830	0.290	0.352	-0.830	0.000	1.008	-3.152
			8	3.500	0.000	-0.200	0.657	0.653	-1.202	0.544	0.549	-1.202	0.000	1.310	-2.763
			9	4.000	0.000	-0.200	0.346	0.358	-1.046	0.746	0.375	-0.778	-1.003	0.742	-2.828
			10	0.000	0.000	-0.700	0.000	-0.381	-2.069	2.170	0.494	-0.214	-0.165	-3.881	-6.938
			11	0.500	0.000	-0.700	0.328	0.749	-0.961	0.613	0.250	-0.978	0.000	-0.012	-5.962
			12	1.000	0.000	-0.700	0.932	1.253	-0.839	-0.283	0.038	-1.101	0.000	0.778	-5.239
			13	1.500	0.000	-0.700	0.878	1.448	-0.467	-0.582	0.027	-1.303	0.000	0.538	-4.548
			14	2.000	0.000	-0.700	0.761	1.481	-0.175	-0.666	0.015	-1.416	0.000	0.250	-4.292
			15	2.500	0.000	-0.700	0.861	1.511	-0.293	-0.683	0.013	-1.409	0.000	0.216	-4.401
			16	3.000	0.000	-0.700	0.964	1.433	-0.626	-0.536	0.026	-1.261	0.000	0.437	-4.869
			17	3.500	0.000	-0.700	0.669	1.065	-0.869	0.087	0.094	-1.046	0.000	0.184	-5.561
			18	4.000	0.000	-0.700	0.180	0.201	-1.494	1.369	0.338	-0.594	-0.073	-2.262	-6.478
			19	0.000	0.000	-1.200	0.000	-0.524	-2.697	2.712	0.540	-0.030	0.000	-4.563	-8.683
			20	0.500	0.000	-1.200	0.153	0.487	-0.427	0.254	0.029	-0.496	0.000	-0.128	-7.624
			21	1.000	0.000	-1.200	0.836	1.365	-0.335	-0.631	0.000	-1.236	0.000	1.293	-6.739
			22	1.500	0.000	-1.200	0.969	1.836	-0.251	-0.831	0.000	-1.723	0.000	0.998	-5.782
	23		2.000	0.000	-1.200	0.912	1.979	-0.099	-0.861	0.000	-1.931	0.000	0.180	-5.079	
	24		2.500	0.000	-1.200	0.941	1.931	-0.124	-0.874	0.000	-1.874	0.000	-0.173	-4.998	
	25		3.000	0.000	-1.200	0.961	1.678	-0.291	-0.793	0.000	-1.556	0.000	0.097	-5.729	
	26		3.500	0.000	-1.200	0.498	1.049	-0.341	-0.265	0.009	-0.950	0.000	-0.046	-6.803	
	27		4.000	0.000	-1.200	0.065	0.034	-1.463	1.373	0.310	-0.318	0.000	-2.849	-8.079	
	28		0.000	0.000	-1.700	0.000	-0.483	-2.470	2.523	0.539	-0.109	0.000	-3.978	-8.377	
	29		0.500	0.000	-1.700	0.392	0.695	-0.875	0.477	0.214	-0.903	0.000	0.425	-7.678	
	30		1.000	0.000	-1.700	1.090	1.315	-1.012	-0.170	0.043	-1.266	0.000	2.718	-7.174	
	31		1.500	0.000	-1.700	0.872	1.400	-0.608	-0.421	0.000	-1.242	0.000	1.474	-6.326	
	32		2.000	0.000	-1.700	0.630	1.298	-0.164	-0.533	0.000	-1.232	0.000	-0.551	-4.924	
	33		2.500	0.000	-1.700	0.724	1.318	-0.277	-0.552	0.000	-1.213	0.000	-0.898	-4.575	
	34		3.000	0.000	-1.700	0.947	1.350	-0.715	-0.398	0.000	-1.184	0.000	-0.212	-5.400	
	35		3.500	0.000	-1.700	0.769	1.083	-0.997	0.149	0.153	-1.158	0.000	0.271	-6.450	
	36		4.000	0.000	-1.700	0.282	0.225	-1.561	1.358	0.430	-0.734	0.000	-2.189	-7.685	
	37		0.000	0.000	-2.200	0.000	-0.221	-1.551	1.631	0.311	-0.170	0.000	-2.439	-6.238	
	38		0.500	0.000	-2.200	0.572	0.451	-0.820	0.262	0.358	-0.822	0.000	1.668	-6.060	
	39		1.000	0.000	-2.200	0.398	0.387	-1.186	0.297	0.944	-0.840	1.218	6.429	-9.058	
	40		1.500	0.000	-2.200	-0.157	0.346	-1.536	0.467	1.494	-0.614	0.633	2.493	-7.097	
	41		2.000	0.000	-2.200	-0.303	0.303	-1.516	0.370	1.514	-0.368	0.018	-1.401	-4.339	
	42		2.500	0.000	-2.200	-0.228	0.324	-1.552	0.390	1.530	-0.463	0.000	-2.066	-4.139	
	43		3.000	0.000	-2.200	-0.020	0.355	-1.422	0.383	1.301	-0.598	0.000	-0.710	-4.943	
	44		3.500	0.000	-2.200	0.249	0.304	-1.105	0.467	0.920	-0.835	0.908	1.476	-5.208	
	45		4.000	0.000	-2.200	0.159	0.159	-0.811	0.641	0.443	-0.592	2.244	1.015	-5.226	
18	ZS6	1	0.000	0.000	-0.200	0.671	0.035	-0.380	0.000	0.230	-0.556	3.190	4.632	-0.587	
		2	0.500	0.000	-0.200	0.211	0.000	-0.826	0.490	0.914	-0.790	1.163	0.000	-3.510	
		3	1.000	0.000	-0.200	-0.116	0.000	-1.149	0.683	1.380	-0.799	0.605	0.000	-5.895	
		4	1.500	0.000	-0.200	-0.304	0.000	-1.325	0.609	1.521	-0.502	0.284	0.000	-6.745	
		5	2.000	0.000	-0.200	-0.357	0.000	-1.362	0.458	1.449	-0.188	0.136	0.000	-6.706	
		6	2.500	0.000	-0.200	-0.287	0.000	-1.235	0.461	1.361	-0.300	0.049	0.000	-5.515	
		7	3.000	0.000	-0.200	-0.157	0.000	-1.071	0.554	1.270	-0.595	0.283	0.000	-5.301	
		8	3.500	0.000	-0.200	0.027	0.000	-0.896	0.542	1.054	-0.727	0.613	0.000	-4.787	
		9	4.000	0.000	-0.200	0.378	0.004	-0.532	0.230	0.525	-0.605	1.766	2.015	-1.924	
		10	0.000	0.000	-0.700	0.831	0.166	-0.059	0.000	-0.131	-0.807	2.918	3.753	-0.772	
		11	0.500	0.000	-0.700	0.182	0.000	-0.250	0.064	0.257	-0.253	2.200	0.000	-2.343	
		12	1.000	0.000	-0.700	-0.179	0.000	-0.524	0.344	0.615	-0.255	1.913	0.000	-5.475	
		13	1.500	0.000	-0.700	-0.355	0.000	-0.716	0.457	0.792	-0.177	1.469	0.000	-6.735	
		14	2.000	0.000	-0.700	-0.402	0.000	-0.795	0.440	0.828	-0.072	1.056	0.000	-6.651	
		15	2.500	0.000	-0.700	-0.354	0.000	-0.749	0.398	0.784	-0.079	0.934	0.000	-5.747	
		16	3.000	0.000	-0.700	-0.236	0.000	-0.601	0.359	0.680	-0.202	1.202	0.000	-5.103	
		17	3.500	0.000	-0.700	-0.011	0.000	-0.367	0.178	0.421	-0.222	1.684	0.000	-3.718	
		18	4.000	0.000	-0.700	0.455	0.079	-0.142	0.015	0.0.05					



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 17/20

Oddíl: 1

VÝSLEDKY

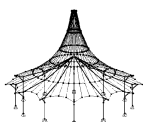
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}
18	ZS6	27	4.000	0.000	-1.200	0.479	0.090	-0.091	0.000	-0.023	-0.455	1.578	1.275	-1.283
		28	0.000	0.000	-1.700	0.722	0.130	-0.063	0.000	-0.097	-0.692	1.532	3.957	-0.337
		29	0.500	0.000	-1.700	0.247	0.043	-0.230	0.056	0.158	-0.275	0.939	0.000	-1.955
		30	1.000	0.000	-1.700	-0.116	0.000	-0.363	0.347	0.424	-0.291	0.568	0.000	-6.572
		31	1.500	0.000	-1.700	-0.238	0.000	-0.489	0.421	0.566	-0.260	-0.109	0.000	-7.345
		32	2.000	0.000	-1.700	-0.274	0.000	-0.539	0.334	0.579	-0.100	-0.776	0.000	-5.912
		33	2.500	0.000	-1.700	-0.249	0.000	-0.533	0.339	0.590	-0.147	-0.750	0.000	-5.450
		34	3.000	0.000	-1.700	-0.127	0.000	-0.483	0.348	0.569	-0.307	-0.067	0.000	-4.776
		35	3.500	0.000	-1.700	0.114	0.020	-0.396	0.214	0.406	-0.358	0.708	0.000	-3.232
		36	4.000	0.000	-1.700	0.446	0.084	-0.213	0.061	0.104	-0.482	1.645	1.283	-1.241
		37	0.000	0.000	-2.200	0.497	0.036	-0.100	0.000	0.021	-0.454	2.651	5.016	-0.959
		38	0.500	0.000	-2.200	0.246	0.062	-0.449	0.207	0.388	-0.455	0.794	-0.138	-3.533
		39	1.000	0.000	-2.200	-0.120	0.000	-0.668	0.615	0.770	-0.596	-2.970	-0.959	-9.261
		40	1.500	0.000	-2.200	-0.173	0.000	-0.676	0.460	0.800	-0.411	-1.608	-1.546	-8.119
		41	2.000	0.000	-2.200	-0.143	0.000	-0.648	0.209	0.690	-0.108	-2.674	-0.625	-5.301
		42	2.500	0.000	-2.200	-0.129	0.000	-0.671	0.254	0.753	-0.207	-2.986	0.000	-5.187
		43	3.000	0.000	-2.200	-0.057	0.000	-0.652	0.369	0.777	-0.436	-1.863	0.000	-5.316
		44	3.500	0.000	-2.200	0.058	0.008	-0.595	0.389	0.670	-0.530	-0.583	0.000	-4.747
		45	4.000	0.000	-2.200	0.112	0.023	-0.379	0.246	0.396	-0.399	1.116	1.757	-3.276
	KZ1	1	0.000	0.000	-0.200	0.664	0.000	-0.814	0.092	0.864	-0.806	5.421	8.930	-3.105
		2	0.500	0.000	-0.200	-0.008	0.000	-1.579	0.433	1.845	-0.691	3.230	0.000	-11.198
		3	1.000	0.000	-0.200	-0.517	0.000	-2.873	1.143	3.297	-1.051	3.437	0.000	-18.992
		4	1.500	0.000	-0.200	-0.872	0.000	-3.733	1.338	4.096	-0.828	3.044	0.000	-21.637
		5	2.000	0.000	-0.200	-0.949	0.000	-3.877	1.106	4.022	-0.303	2.367	0.000	-21.153
		6	2.500	0.000	-0.200	-0.666	0.000	-3.346	0.931	3.565	-0.485	1.639	0.000	-17.758
		7	3.000	0.000	-0.200	-0.438	0.000	-2.679	0.892	3.014	-0.789	2.368	0.000	-17.128
		8	3.500	0.000	-0.200	-0.313	0.000	-1.913	0.599	2.125	-0.499	1.742	0.000	-14.656
		9	4.000	0.000	-0.200	0.155	0.000	-0.975	0.143	1.041	-0.364	2.378	3.229	-5.476
		10	0.000	0.000	-0.700	0.046	0.075	-0.327	0.306	0.218	-0.318	0.378	6.691	-3.250
		11	0.500	0.000	-0.700	0.460	0.163	-0.383	0.033	0.162	-0.434	2.261	0.000	-11.533
		12	1.000	0.000	-0.700	0.109	0.039	-0.297	0.161	0.245	-0.257	2.529	0.000	-22.886
		13	1.500	0.000	-0.700	-0.062	-0.013	-0.616	0.508	0.439	-0.256	1.579	0.000	-27.480
		14	2.000	0.000	-0.700	-0.064	-0.092	-0.695	0.567	0.463	-0.179	0.223	0.000	-26.990
		15	2.500	0.000	-0.700	-0.037	-0.024	-0.485	0.343	0.362	-0.159	-0.350	0.000	-23.719
		16	3.000	0.000	-0.700	0.072	0.098	-0.261	0.124	0.183	-0.216	-0.033	0.000	-20.894
		17	3.500	0.000	-0.700	0.313	0.222	-0.348	0.039	0.124	-0.349	-0.618	0.000	-14.767
		18	4.000	0.000	-0.700	0.250	0.203	-0.567	0.342	0.241	-0.469	-0.543	1.430	-6.430
		19	0.000	0.000	-1.200	0.000	0.025	-0.606	0.671	0.088	-0.177	0.000	11.970	-9.189
		20	0.500	0.000	-1.200	0.766	0.534	-0.425	-0.038	-0.175	-0.663	2.865	1.379	-17.160
		21	1.000	0.000	-1.200	0.441	0.792	-0.452	-0.093	0.004	-0.691	-0.860	0.000	-29.436
		22	1.500	0.000	-1.200	0.033	0.683	-0.357	0.274	0.024	-0.656	-3.199	0.000	-34.518
		23	2.000	0.000	-1.200	0.000	0.471	-0.365	0.374	0.027	-0.507	-4.842	0.000	-32.504
		24	2.500	0.000	-1.200	0.013	0.465	-0.214	0.184	0.016	-0.464	-5.254	0.000	-28.947
		25	3.000	0.000	-1.200	0.273	0.594	-0.177	-0.148	-0.006	-0.536	-4.316	0.000	-24.778
		26	3.500	0.000	-1.200	0.561	0.606	-0.288	-0.139	-0.188	-0.552	-3.479	0.000	-17.031
		27	4.000	0.000	-1.200	0.305	0.198	-0.461	0.336	-0.024	-0.354	-1.585	1.479	-9.539
		28	0.000	0.000	-1.700	0.205	0.003	-0.396	0.152	0.278	-0.243	0.000	20.740	-6.224
		29	0.500	0.000	-1.700	0.985	0.156	-0.812	0.072	0.570	-0.970	-0.561	0.941	-18.783
		30	1.000	0.000	-1.700	-0.084	0.192	-1.176	0.539	1.184	-0.655	-7.935	0.000	-37.609
		31	1.500	0.000	-1.700	-0.760	0.159	-1.458	0.950	1.482	-0.373	-13.350	0.000	-42.193
		32	2.000	0.000	-1.700	-0.654	0.114	-1.784	0.828	1.794	-0.298	-16.243	0.000	-34.942
		33	2.500	0.000	-1.700	-0.533	0.116	-1.689	0.626	1.706	-0.226	-15.452	0.000	-32.442
		34	3.000	0.000	-1.700	-0.238	0.143	-1.307	0.327	1.320	-0.245	-11.395	0.000	-27.961
		35	3.500	0.000	-1.700	0.142	0.137	-0.819	0.104	0.790	-0.355	-6.687	0.000	-19.304
		36	4.000	0.000	-1.700	0.294	0.133	-0.528	0.126	0.379	-0.403	0.112	4.979	-10.444
		37	0.000	0.000	-2.200	0.478	0.000	-0.491	0.000	0.492	-0.479	8.011	28.184	-4.092
		38	0.500	0.000	-2.200	0.773	0.008	-1.722	0.341	1.899	-1.300	-0.519	-4.052	-22.921
		39	1.000	0.000	-2.200	-1.250	0.000	-5.333	2.915	6.267	-2.599	-28.052	-5.571	-59.312
		40	1.500	0.000	-2.200	-1.695	0.000	-7.014	2.815	7.789	-1.896	-16.653	-16.428	-53.140
		41	2.000	0.000	-2.200	-1.376	0.000	-7.154	1.611	7.353	-0.434	-5.394	-25.449	-40.352
		42	2.500	0.000	-2.200	-1.206	0.000	-7.156	1.604	7.503	-0.744	-23.003	-7.285	-37.867
		43	3.000	0.000	-2.200	-0.883	0.000	-6.082	2.021	6.850	-1.905	-25.035	0.000	-34.134
		44	3.500	0.000	-2.200	-0.497	0.000	-4.181	1.753	4.910	-1.985	-14.061	0.000	-26.923
		45	4.000	0.000	-2.200	-0.159	0.035	-2.362	1.320	2.754	-1.587	1.901	8.477	-16.790
KZ2	1	0.000	0.000	-0.200	0.013	0.000	-0.298	0.201	0.350	-0.266	1.740	3.218	-1.911	
	2	0.500	0.000	-0.200	-0.082	0.000	-0.598	0.113	0.626	-0.060	2.041	0.000	-5.895	
	3	1.000	0.000	-0.200	-0.259	0.000	-1.230	0.385	1.334	-0.230	2.564	0.000	-9.586	
	4	1.500	0.000	-0.200	-0.398	0.000	-1.678	0.544	1.800	-0.269	2.394	0.000	-10.637	
	5	2.000	0.000	-0.200	-0.419	0.000	-1.748	0.475	1.800	-0.107	1.960	0.000	-10.229	
	6	2.500	0.000	-0.200	-0.271	0.000	-1.479	0.350	1.547	-0.148	1.586	0.000	-8.764	
	7	3.000	0.000	-0.200	-0.188	0.000	-1.145	0.291	1.231	-0.188	2.044	0.000	-8.669	
	8	3.500	0.000	-0.200	-0.175	0.000	-0.781	0.238	0.831	-0.113	1.206	0.000	-7.225	
	9	4.000	0.000	-0.200	-0.073	0.000	-0.375	0.207	0.427	-0.186	0.605	0.937	-2.608	
	10	0.000	0.000	-0.700	0.001	-0.058	-0.583	0.595	0.103	-0.058	0.121	2.717	-3.574	
	11	0.500	0.000	-0.700	0.233	0.240	-0.253	-0.012	0.032	-0.240	1.641	0.000	-7.730	
	12	1.000	0.000	-0.700	0.149	0.294	-0.133	-0.116	0.097	-0.290	1.220	0.000	-12.914	
	13	1.500	0.000	-0.700	0.000	0.350	-0.200	0.067	0.126	-0.343	0.553	0.000	-15.021	
	14	2.000	0.000	-0.700	-0.025	0.353	-0.218	0.108	0.124	-0.342	-0.211	0.000	-14.630	
	15	2.500	0.000	-0.700	0.044	0.370	-0.155	-0.009	0.106	-0.357	-0.466	0.000	-12.995	
	16	3.000	0.000	-0.700	0.181	0.364	-0.130	-0.146	0.083	-0.353	-0.263	0.000	-11.583	
	17	3.500	0.000	-0.700	0.249	0.338	-0.239	-0.080	0.056	-0.324	-0.766	0.000	-8.383	
	18	4.000	0.000	-0.700	0.127	0.089	-0.495	0.363	0.115	-0.200	-0.639	0.067	-4.508	
	19	0.000	0.000	-1.200	0.000	-0.083	-0.762	0.864	0.233	-0.253	0.000	6.642	-6.718	
	20	0.500	0.000	-1.200	0.452	0.439	-0.362	-0.035	-0.087	-0.408	1.593	1.543	-11.720	
	21	1.000	0.000	-1.200	0.423	0.701	-0.383	-0.146	0.000	-0.596	-1.010	0.000	-17.547	
	22	1.500	0.000	-1.200	0.110	0.709	-0.201	0.026	0.000	-0.644				



Piada s.r.o.

Ing. Miloš Bratka

Chmelského 267, 386 01 Strakonice

Strana: 18/20

Oddíl: 1

VÝSLEDKY

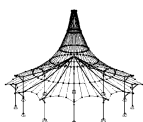
Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha		Rastr	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
č.	ZS/KZ	Bod	X	Y	Z	m _{x,D+}	m _{y,D+}	m _{c,D+}	m _{x,D-}	m _{y,D-}	m _{c,D-}	n _{x,D}	n _{y,D}	n _{c,D}
18	KZ2	31	1.500	0.000	-1.700	-0.408	0.155	-0.868	0.513	0.892	-0.286	-9.087	0.000	-25.470
		32	2.000	0.000	-1.700	-0.353	0.131	-1.036	0.406	1.052	-0.200	-10.850	0.000	-21.032
		33	2.500	0.000	-1.700	-0.235	0.130	-1.017	0.282	1.016	-0.176	-10.283	0.000	-19.556
		34	3.000	0.000	-1.700	-0.052	0.137	-0.804	0.112	0.779	-0.172	-7.634	0.000	-16.966
		35	3.500	0.000	-1.700	0.155	0.113	-0.550	0.033	0.543	-0.294	-4.498	0.000	-12.020
		36	4.000	0.000	-1.700	0.114	0.035	-0.364	0.178	0.309	-0.272	-0.241	2.894	-6.890
		37	0.000	0.000	-2.200	0.150	0.000	-0.314	0.021	0.334	-0.191	4.631	17.074	-2.402
		38	0.500	0.000	-2.200	0.444	0.019	-1.068	0.208	1.151	-0.754	-0.346	-2.785	-14.413
		39	1.000	0.000	-2.200	-0.773	0.000	-3.419	1.759	3.986	-1.553	-17.830	-3.407	-36.747
		40	1.500	0.000	-2.200	-1.074	0.000	-4.538	1.701	4.990	-1.079	-10.692	-10.580	-33.011
		41	2.000	0.000	-2.200	-0.880	0.000	-4.629	1.002	4.735	-0.228	-3.559	-16.145	-25.421
		42	2.500	0.000	-2.200	-0.763	0.000	-4.620	0.979	4.812	-0.408	-14.912	-4.597	-23.658
		43	3.000	0.000	-2.200	-0.561	0.000	-3.902	1.212	4.357	-1.106	-16.275	0.000	-21.101
		44	3.500	0.000	-2.200	-0.314	0.000	-2.661	1.028	3.094	-1.147	-9.244	0.000	-16.476
		45	4.000	0.000	-2.200	-0.118	0.004	-1.475	0.807	1.724	-0.942	0.906	5.024	-10.134
19	ZS1	1	4.250	-2.500	0.000	0.452	0.861	-0.548	-0.048	0.000	-0.717	0.000	0.326	-5.356
		2	4.250	-2.000	0.000	0.552	1.459	-0.690	-0.086	0.000	-1.235	-1.858	-1.204	-7.109
		3	4.250	-1.500	0.000	0.345	1.452	-0.197	-0.226	0.000	-1.374	-2.789	0.000	-7.578
		4	4.250	-1.000	0.000	0.458	1.485	-0.452	-0.183	0.000	-1.308	-2.175	0.000	-7.818
		5	4.250	-0.500	0.000	0.542	1.202	-0.753	0.014	0.000	-1.004	-2.265	0.000	-6.459
		6	4.250	0.000	0.000	0.298	0.385	-0.194	-0.168	0.000	-0.321	0.000	5.113	-4.195
	ZS3	1	4.250	-2.500	0.000	0.215	0.156	-0.473	0.198	0.330	-0.426	3.910	1.555	-2.552
		2	4.250	-2.000	0.000	0.306	0.475	-0.586	0.243	0.158	-0.596	1.193	1.978	-1.928
		3	4.250	-1.500	0.000	0.139	0.493	-0.146	-0.012	0.000	-0.474	0.028	0.742	-1.851
		4	4.250	-1.000	0.000	0.224	0.541	-0.411	0.148	0.000	-0.501	0.929	1.979	-2.934
		5	4.250	-0.500	0.000	0.384	0.291	-0.696	0.307	0.410	-0.697	3.893	3.485	-3.534
		6	4.250	0.000	0.000	-0.006	0.000	-0.174	0.048	0.202	-0.069	5.405	0.000	-3.179
	ZS6	1	4.250	-2.500	0.000	0.420	0.794	-0.473	-0.083	0.000	-0.658	-1.271	2.101	-3.696
		2	4.250	-2.000	0.000	0.490	1.396	-0.545	-0.138	0.000	-1.203	-2.131	0.000	-5.413
		3	4.250	-1.500	0.000	0.324	1.473	-0.131	-0.248	0.000	-1.419	-2.018	0.000	-6.392
		4	4.250	-1.000	0.000	0.422	1.479	-0.363	-0.209	0.000	-1.329	-1.976	0.000	-6.007
		5	4.250	-0.500	0.000	0.495	1.127	-0.644	-0.038	0.000	-0.941	-2.137	0.000	-4.204
		6	4.250	0.000	0.000	0.286	0.353	-0.198	-0.148	0.000	-0.292	0.000	4.952	-3.097
	KZ1	1	4.250	-2.500	0.000	0.869	1.987	-0.864	-0.294	0.000	-1.698	-3.428	4.635	-7.928
		2	4.250	-2.000	0.000	1.018	3.901	-0.831	-0.542	0.000	-3.546	-7.866	0.000	-15.317
		3	4.250	-1.500	0.000	0.903	4.714	-0.229	-0.780	0.000	-4.608	-9.299	0.000	-18.934
		4	4.250	-1.000	0.000	0.970	4.388	-0.508	-0.697	0.000	-4.153	-8.031	0.000	-17.475
		5	4.250	-0.500	0.000	0.879	2.774	-0.879	-0.351	0.000	-2.423	-4.966	0.000	-10.558
		6	4.250	0.000	0.000	0.756	0.906	-0.614	-0.292	0.000	-0.757	2.124	10.227	-4.991
	KZ2	1	4.250	-2.500	0.000	0.313	0.836	-0.264	-0.142	0.000	-0.743	-1.516	1.758	-3.220
		2	4.250	-2.000	0.000	0.395	1.760	-0.236	-0.267	0.000	-1.652	-4.058	0.000	-7.133
		3	4.250	-1.500	0.000	0.414	2.254	-0.082	-0.371	0.000	-2.214	-5.069	0.000	-8.902
		4	4.250	-1.000	0.000	0.407	2.036	-0.136	-0.336	0.000	-1.970	-4.217	0.000	-8.197
		5	4.250	-0.500	0.000	0.291	1.158	-0.185	-0.190	0.000	-1.074	-2.078	0.000	-4.704
		6	4.250	0.000	0.000	0.299	0.378	-0.237	-0.126	0.000	-0.314	1.423	3.815	-1.538
20	ZS1	1	0.000	-2.750	0.000	0.280	0.380	-0.132	-0.200	0.000	-0.328	0.000	1.168	-1.167
		2	0.500	-2.750	0.000	0.675	0.720	-0.946	0.258	0.256	-0.963	4.049	2.589	-8.721
		3	1.000	-2.750	0.000	0.535	1.417	-0.852	0.081	0.000	-1.181	5.222	0.713	-7.177
		4	1.500	-2.750	0.000	0.514	1.461	-0.488	-0.216	0.000	-1.271	5.467	0.000	-8.966
		5	2.000	-2.750	0.000	0.356	1.258	-0.171	-0.264	0.000	-1.180	4.908	0.000	-8.097
		6	2.500	-2.750	0.000	0.425	1.288	-0.346	-0.218	0.000	-1.149	4.468	0.000	-7.836
		7	3.000	-2.750	0.000	0.599	1.405	-0.723	-0.104	0.000	-1.177	4.837	0.000	-9.049
		8	3.500	-2.750	0.000	0.674	1.316	-0.941	0.070	0.000	-1.118	4.380	0.264	-9.697
		9	4.000	-2.750	0.000	0.528	0.844	-0.569	-0.056	0.000	-0.747	1.908	3.621	-7.087
	ZS3	1	0.000	-2.750	0.000	-0.061	0.000	-0.295	0.080	0.312	-0.035	6.727	0.704	-3.747
		2	0.500	-2.750	0.000	0.424	0.386	-0.813	0.389	0.427	-0.813	3.166	2.681	-3.499
		3	1.000	-2.750	0.000	0.383	0.701	-0.675	0.278	0.068	-0.755	1.556	2.059	-4.345
		4	1.500	-2.750	0.000	0.279	1.086	-0.235	-0.146	0.000	-0.985	0.171	0.975	-2.368
		5	2.000	-2.750	0.000	0.281	1.187	-0.083	-0.238	0.000	-1.147	0.000	-0.034	-2.137
		6	2.500	-2.750	0.000	0.321	1.213	-0.222	-0.194	0.000	-1.118	0.000	-0.087	-2.525
		7	3.000	-2.750	0.000	0.397	1.115	-0.523	-0.030	0.000	-0.959	0.124	0.573	-2.620
		8	3.500	-2.750	0.000	0.449	0.772	-0.766	0.232	0.134	-0.821	1.364	1.895	-2.779
		9	4.000	-2.750	0.000	0.228	0.260	-0.555	0.221	0.309	-0.463	3.489	1.324	-3.049
	ZS6	1	0.000	-2.750	0.000	0.149	0.305	-0.170	-0.031	0.000	-0.253	0.000	1.053	-1.221
		2	0.500	-2.750	0.000	0.554	0.612	-0.744	0.175	0.173	-0.771	1.220	0.817	-4.371
		3	1.000	-2.750	0.000	0.557	1.508	-0.726	-0.073	0.000	-1.266	-0.365	0.000	-3.112
		4	1.500	-2.750	0.000	0.502	1.748	-0.397	-0.275	0.000	-1.577	-0.666	0.000	-6.805
		5	2.000	-2.750	0.000	0.391	1.658	-0.135	-0.320	0.000	-1.593	-0.849	0.000	-7.002
		6	2.500	-2.750	0.000	0.430	1.645	-0.245	-0.294	0.000	-1.535	-0.851	0.000	-6.822
		7	3.000	-2.750	0.000	0.544	1.603	-0.537	-0.215	0.000	-1.395	-0.699	0.000	-6.447
		8	3.500	-2.750	0.000	0.588	1.332	-0.734	-0.067	0.000	-1.118	-0.725	0.000	-5.251
		9	4.000	-2.750	0.000	0.460	0.762	-0.485	-0.092	0.000	-0.645	-0.122	2.620	-3.882
	KZ1	1	0.000	-2.750	0.000	0.627	0.451	-0.473	0.000	-0.072	-0.534	7.623	4.742	-7.089
		2	0.500	-2.750	0.000	0.908	1.472	-1.144	0.078	0.000	-1.314	6.749	3.643	-13.183
		3	1.000	-2.750	0.000	1.109	4.292	-1.295	-0.340	0.000	-3.765	1.597	0.000	-9.586
4		1.500	-2.750	0.000	1.480	5.860	-0.860	-1.013	0.000	-5.468	3.090	0.000	-20.854	
5		2.000	-2.750	0.000	1.294	5.894	-0.292	-1.145	0.000	-5.752	1.900	0.000	-21.240	
6		2.500	-2.750	0.000	1.323	5.738	-0.502	-1.056	0.000	-5.501	0.805	0.000	-20.781	
7		3.000	-2.750	0.000	1.422	5.231	-1.025	-0.849	0.000	-4.779	1.005	0.000	-20.295	
8		3.500	-2.750	0.000	1.293	3.856	-1.273	-0.518	0.000	-3.358	1.874	0.000	-16.941	
9		4.000	-2.750	0.000	1.059	1.971	-0.940	-0.441	0.000	-1.649	3.209	5.757	-10.500	
KZ2	1	0.000	-2.750	0.000	0.329	0.361	-0.433	0.104	0.072	-0.433	5.493	2.381	-4.240	
	2	0.500	-2.750	0.000	0.389	0.683	-0.499	0.027	0.000	-0.600	4.042	2.111	-6.588	
	3	1.000	-2.750	0.000	0.406	1.934	-0.431	-0.163	0.000	-1.746	1.726	0.000	-4.742	
	4	1.500	-2.750	0.000	0.688	2.828	-0.343	-0.504	0.000	-2.669	3.083	0.000	-10.045	
	5	2.000	-2.750	0.000	0.626	2.893								



Projekt:

Model: Šachta

Datum: 24. 1. 2019

PLOCHY - NÁVRHOVÉ VNITŘNÍ SÍLY

Plocha č.	ZS/KZ	Rastr Bod	Souřadnice rastr. bodu [m]			Momenty [kNm/m]						Normálové síly [kN/m]		
			X	Y	Z	$m_{x,D+}$	$m_{y,D+}$	$m_{c,D+}$	$m_{x,D-}$	$m_{y,D-}$	$m_{c,D-}$	$n_{x,D}$	$n_{y,D}$	$n_{c,D}$
21	ZS1	5	2.000	0.000	0.000	-0.240	0.000	-1.196	0.354	1.291	-0.210	5.200	0.000	-7.239
		6	2.500	0.000	0.000	-0.186	0.000	-1.093	0.406	1.231	-0.358	6.655	0.000	-7.027
		7	3.000	0.000	0.000	-0.111	0.000	-1.039	0.562	1.250	-0.662	6.857	0.000	-9.297
		8	3.500	0.000	0.000	-0.034	0.000	-1.065	0.604	1.256	-0.830	2.097	0.000	-7.975
		9	4.000	0.000	0.000	-0.063	0.000	-0.700	0.505	0.790	-0.532	0.731	2.956	-5.719
	ZS3	1	0.000	0.000	0.000	0.085	0.305	-0.062	-0.050	0.000	-0.277	4.377	0.000	-3.466
		2	0.500	0.000	0.000	0.352	0.318	-0.841	0.475	0.531	-0.835	2.977	2.621	-3.161
		3	1.000	0.000	0.000	0.118	0.000	-0.874	0.454	1.023	-0.721	0.653	1.493	-2.925
		4	1.500	0.000	0.000	-0.149	0.000	-1.097	0.400	1.261	-0.414	0.000	0.123	-2.198
		5	2.000	0.000	0.000	-0.232	0.000	-1.084	0.338	1.172	-0.193	0.000	0.159	-2.438
		6	2.500	0.000	0.000	-0.117	0.000	-0.852	0.255	0.940	-0.226	0.000	0.800	-4.035
		7	3.000	0.000	0.000	0.089	0.000	-0.791	0.350	0.927	-0.575	0.324	1.423	-3.366
		8	3.500	0.000	0.000	0.279	0.126	-0.854	0.489	0.791	-0.831	2.373	2.134	-3.422
		9	4.000	0.000	0.000	0.243	0.312	-0.499	0.242	0.304	-0.601	4.129	1.654	-3.929
	ZS6	1	0.000	0.000	0.000	-0.245	0.000	-0.361	0.346	0.423	-0.163	0.752	5.614	-3.693
		2	0.500	0.000	0.000	0.025	0.000	-0.953	0.590	1.130	-0.792	-0.885	0.000	-4.211
		3	1.000	0.000	0.000	-0.163	0.000	-1.340	0.604	1.585	-0.686	-0.515	0.000	-6.198
		4	1.500	0.000	0.000	-0.278	0.000	-1.545	0.495	1.708	-0.380	-0.561	0.000	-6.915
		5	2.000	0.000	0.000	-0.302	0.000	-1.594	0.372	1.657	-0.133	-0.542	0.000	-6.483
		6	2.500	0.000	0.000	-0.264	0.000	-1.388	0.438	1.522	-0.308	-0.064	0.000	-5.305
		7	3.000	0.000	0.000	-0.196	0.000	-1.194	0.489	1.383	-0.482	0.033	0.000	-5.875
		8	3.500	0.000	0.000	-0.074	0.000	-1.068	0.517	1.262	-0.636	-1.270	0.000	-5.308
		9	4.000	0.000	0.000	-0.102	0.000	-0.622	0.447	0.737	-0.461	-0.169	2.588	-3.763
	KZ1	1	0.000	0.000	0.000	-0.591	0.000	-0.892	0.973	1.074	-0.563	4.067	11.916	-7.430
		2	0.500	0.000	0.000	-0.345	0.000	-2.509	1.199	2.976	-1.322	2.026	0.000	-12.658
		3	1.000	0.000	0.000	-0.741	0.000	-4.368	1.440	4.888	-1.219	2.130	0.000	-19.516
		4	1.500	0.000	0.000	-1.034	0.000	-5.474	1.407	5.793	-0.692	2.330	0.000	-21.254
		5	2.000	0.000	0.000	-1.098	0.000	-5.659	1.179	5.731	-0.153	2.878	0.000	-19.585
		6	2.500	0.000	0.000	-0.881	0.000	-4.777	1.236	5.084	-0.662	3.283	0.000	-16.690
		7	3.000	0.000	0.000	-0.699	0.000	-3.993	1.103	4.328	-0.740	3.534	0.000	-18.019
		8	3.500	0.000	0.000	-0.550	0.000	-3.229	1.044	3.579	-0.843	-0.878	0.000	-15.299
		9	4.000	0.000	0.000	-0.438	0.000	-1.594	0.968	1.884	-0.821	1.447	4.960	-8.389
	KZ2	1	0.000	0.000	0.000	-0.250	0.000	-0.394	0.422	0.474	-0.253	2.236	4.705	-2.875
		2	0.500	0.000	0.000	-0.204	0.000	-1.138	0.441	1.301	-0.400	2.445	0.000	-6.458
		3	1.000	0.000	0.000	-0.378	0.000	-2.103	0.609	2.291	-0.419	2.306	0.000	-9.653
		4	1.500	0.000	0.000	-0.514	0.000	-2.889	0.652	2.812	-0.261	2.460	0.000	-10.183
		5	2.000	0.000	0.000	-0.545	0.000	-2.775	0.593	2.819	-0.092	2.805	0.000	-9.230
		6	2.500	0.000	0.000	-0.420	0.000	-2.322	0.556	2.444	-0.257	2.885	0.000	-8.103
		7	3.000	0.000	0.000	-0.339	0.000	-1.930	0.455	2.033	-0.219	3.059	0.000	-8.871
		8	3.500	0.000	0.000	-0.297	0.000	-1.526	0.396	1.609	-0.182	0.454	0.000	-7.221
		9	4.000	0.000	0.000	-0.208	0.000	-0.716	0.354	0.807	-0.236	1.103	1.791	-3.477
22	ZS1	1	0.000	-2.500	0.000	0.095	-0.130	-0.635	0.454	0.702	-0.486	0.969	2.524	-5.953
		2	0.000	-2.000	0.000	-0.014	0.000	-1.156	0.480	1.347	-0.656	-1.761	0.267	-6.114
		3	0.000	-1.500	0.000	-0.228	0.000	-1.447	0.345	1.527	-0.197	-2.181	0.000	-7.232
		4	0.000	-1.000	0.000	-0.191	0.000	-1.432	0.534	1.640	-0.551	-2.394	0.000	-7.830
		5	0.000	-0.500	0.000	0.042	0.000	-1.105	0.597	1.320	-0.854	-0.226	-3.180	-6.057
		6	0.000	0.000	0.000	-0.169	0.000	-0.334	0.315	0.402	-0.215	0.000	4.621	-4.578
	ZS3	1	0.000	-2.500	0.000	0.221	0.381	-0.427	0.189	0.110	-0.474	4.680	1.997	-3.093
		2	0.000	-2.000	0.000	0.284	0.203	-0.563	0.278	0.360	-0.563	1.779	2.406	-3.361
		3	0.000	-1.500	0.000	0.014	0.010	-0.452	0.140	0.461	-0.173	0.154	0.860	-2.294
		4	0.000	-1.000	0.000	0.167	0.000	-0.541	0.252	0.585	-0.463	0.476	1.488	-1.957
		5	0.000	-0.500	0.000	0.323	0.414	-0.732	0.403	0.322	-0.731	3.227	2.909	-2.493
		6	0.000	0.000	0.000	0.060	0.212	-0.077	-0.012	0.000	-0.182	5.051	0.000	-2.942
	ZS6	1	0.000	-2.500	0.000	0.037	-0.084	-0.543	0.392	0.615	-0.417	0.675	1.392	-3.788
		2	0.000	-2.000	0.000	-0.089	0.000	-1.139	0.464	1.317	-0.553	-1.271	-0.279	-3.959
		3	0.000	-1.500	0.000	-0.253	0.000	-1.496	0.336	1.554	-0.140	-1.860	0.000	-6.176
		4	0.000	-1.000	0.000	-0.222	0.000	-1.432	0.466	1.600	-0.413	-1.961	0.000	-6.379
		5	0.000	-0.500	0.000	-0.034	0.000	-1.016	0.536	1.218	-0.705	-2.375	0.000	-4.388
		6	0.000	0.000	0.000	-0.161	0.000	-0.305	0.309	0.368	-0.212	0.000	4.620	-3.059
	KZ1	1	0.000	-2.500	0.000	-0.062	-0.157	-1.308	0.841	1.417	-0.731	4.689	3.816	-9.030
		2	0.000	-2.000	0.000	-0.378	0.000	-3.158	0.870	3.501	-0.835	-5.661	0.114	-11.754
		3	0.000	-1.500	0.000	-0.762	0.000	-4.766	0.881	4.863	-0.216	-8.284	0.000	-18.398
		4	0.000	-1.000	0.000	-0.743	0.000	-4.489	1.099	4.785	-0.651	-7.767	0.000	-18.533
		5	0.000	-0.500	0.000	-0.342	0.000	-2.660	1.002	3.078	-1.078	-6.358	0.000	-11.098
		6	0.000	0.000	0.000	-0.282	0.000	-0.803	0.805	0.956	-0.676	0.000	9.751	-4.189
	KZ2	1	0.000	-2.500	0.000	-0.043	-0.058	-0.570	0.325	0.574	-0.227	2.778	1.839	-4.009
		2	0.000	-2.000	0.000	-0.181	0.000	-1.434	0.307	1.539	-0.231	-3.066	0.310	-5.682
		3	0.000	-1.500	0.000	-0.356	0.000	-2.273	0.394	2.306	-0.071	-4.449	0.000	-8.655
		4	0.000	-1.000	0.000	-0.358	0.000	-2.134	0.467	2.231	-0.205	-4.054	0.000	-8.664
		5	0.000	-0.500	0.000	-0.185	0.000	-1.188	0.348	1.314	-0.289	-2.928	0.000	-4.921
		6	0.000	0.000	0.000	-0.108	0.000	-0.340	0.320	0.407	-0.279	0.000	3.670	-1.050

RF-SOILIN
PR1
Analýza interakce
konstrukce s podloží

ZÁKLADNÍ ÚDAJE

Plochy k posouzení
Kombinace zatížení k posouzení:
Norma:

12-16
KZ1
MSÚ 1
EC7

Výskyt podzemní vody

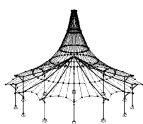
☒

Hladina podzemní vody

5.000 m

Nestlačitelné podloží pod poslední vrstvou

☒



Projekt:

Model: Šachta

Datum: 24. 1. 2019

■ PŮDY

Podloží č.	Označení podloží	Objemová tíha		Modul přetvárnosti E_{def} [MN/m ²]	Poissonův součin E_{def} [-]	Komentář
		γ [kN/m ³]	γ [kN/m ³]			
1	Spraš	18.50	28.50	3.00	0.42	
2	Písčitý jíl	19.00	29.00	6.00	0.40	
3	sutě	21.00	31.00	40.00	0.25	

■ - 1.2.3 ZEMNÍ SONDY A PŮDNÍ VRSTVY

Vzorek č.	Souřadnice zemní sondy [m]			Oblast č.	Podloží	Tloušťka vrstvy Δt [m]	Souřadnice BL z [m]
	X	Y	Z				
1	4.250	0.000	-0.200	-	1 - Spraš	2.500	2.500
					2 - Písčitý jíl	1.500	4.000
					3 - sutě	0.500	4.500
					3 - sutě	0.500	5.000
					3 - sutě	0.500	5.500

■ DALŠÍ GEOLOGICKÉ OBLASTI

Oblast č.	Oblast Tvar	Souřadnice další geologické oblasti [m]								Počet vrstev	Komentář
		X_1 / X_c	Y_1 / Y_c	X_2 / R	Y_2	X_3	Y_3	X_4	Y_4		
-										5	

■ NAPĚTÍ A SEDÁNÍ

Bod rastru	Plochy č.	Souřadnice bodu rastru [m]			Výkop [m]	Kontaktní napětí $\sigma_{z,0}$ [MPa]	Sedání $s_{z,0}$ [mm]	
		X	Y	Z				
1	13	0.000	0.000	-2.750	2.550	0.011	0.45	
2	16	2.500	0.000	-2.450	2.250	0.012	0.62	
3	12	0.000	-2.500	-2.450	2.250	0.015	0.62	
4	16	2.500	-2.500	-2.450	2.250	0.024	1.14	

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PR1
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konstrukce s podložím
VÝSLEDKY