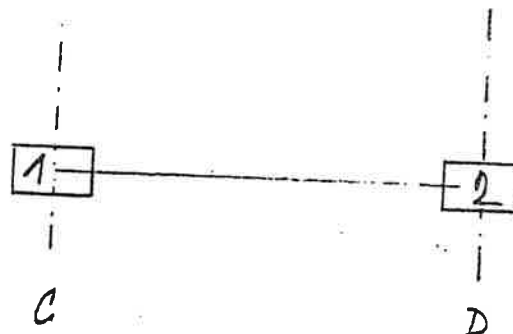


ČISTĚNÍ OD BACHOUSE (SE POKLADU OD EP KATOWICE)

BEAČKE	ZÁŘENÍ VETŘNÍ	UČEL Č1	2	1	2
PONTEx → R_X	Y+	-172,6	0	-23,43	0
EP → R_X	Y-	-32,5	0	-163,5	0
KATOWICE (POČET UČOVNÍ KAPN)	X+	-100,6	0	-95,4	0
	X-	94,9	0	101,1	0
R_Z	Y+	-254,9	-192,0	47,1	113,8
R_Y	Y-	-64,1	-123,7	237,9	182,1
(POČETNÁ)	X+	-155,8	-155,6	146,2	150,2
	X-	-148,1	-143,8	136,8	137,3
R_Y	Y+	590,6	637,4	805,7	861,1
R_Z	Y-	797,2	852,6	599,0	645,9
(SUSCH)	X+	695,6	746,8	700,6	751,8
	X-	746,3	695,2	752,2	701,1



ZATÍŽENÍ PRO PROGRAM DEFOR

- 12 -

POPIS ZATÍŽOVACÍCH STAVŮ - ES 1

NAZEV :

VLASTNÍ TIHA KONSTRUKCE

ZATÍŽENÍ PRUTU [kN,kNm], [mm,mm/m]

CÍSLO PRUTŮ TYPY ZATÍŽENÍ POCATEČNÍ KONCOVÁ POLOHA POLOHA
V SERII INTENZITA INTENZITA ZACÁTKU KONCE

PRVNÍ POSL. T1 T2 SM T3 T4 T5

1	0	0	0	2	1	0	1	-15.3		
1	0	0	0	2	0	0	1	-121.	.925	
1	0	0	0	2	0	0	1	-142.9	5.4	
1	0	0	0	2	0	0	1	-162.	7.075	
2	0	0	0	2	1	0	1	-35.2		
2	0	0	0	2	0	0	1	-372.4	.4	
2	0	0	0	2	0	0	1	-416.6	5.2	
2	0	0	0	2	0	0	1	-236.2	7.6	
2	0	0	0	2	0	0	1	-232.2	10.	
3	0	0	0	2	1	0	1	-22.9		
3	0	0	0	2	0	0	1	-110.	.3	
3	0	0	0	2	0	0	1	-174.2	2.5	
3	0	0	0	2	0	0	1	-184.6	5.5	
3	0	0	0	2	0	0	1	-192.2	8.5	
4	0	0	0	2	1	0	1	-32.1		
4	0	0	0	2	0	0	1	-303.4	5.75	
5	0	0	0	2	1	0	1	-26.25		
5	0	0	1	3	0	0	1	219.6	1.1	
5	0	0	0	2	0	0	1	-244.	1.1	
6	8	0	0	2	1	0	1	-45.		
7	0	0	1	3	0	0	1	-267.12	4.25	
7	0	0	0	2	0	0	1	-190.8	4.25	
9	0	0	0	2	1	0	1	-21.		
9	0	0	1	3	0	0	1	-53.48	5.4	
9	0	0	0	2	0	0	1	-133.7	5.4	
9	0	0	1	3	0	0	1	-250.	8.65	
9	0	0	0	2	0	0	1	-250.	8.65	
10	0	0	0	2	1	0	1	-37.5		
11	0	0	0	2	1	0	1	-45.		
11	0	0	1	3	0	0	1	-525.42	1.9	
11	0	0	0	2	0	0	1	-375.3	1.9	
11	0	0	1	3	0	0	1	267.12	4.25	
11	0	0	0	2	0	0	1	-190.8	4.25	
12	0	0	0	2	1	0	1	-45.		

ZATÍŽENÍ UZLŮ [kN,kNm], [mm, mm/m]

CÍSLO UZLŮ TYPY ZATÍŽ. VELIKOST
V SERII ZATÍŽENÍ

PRVNÍ POSL. T1 T2 SMER

1	0	0	1	3	20.84
1	0	0	0	2	-104.2
2	0	0	0	2	-324.
4	0	0	1	3	-127.4
4	0	0	0	2	-278.
5	0	0	1	3	-8.17
5	0	0	0	2	-81.7
6	0	0	0	2	-174.4
6	0	0	1	3	-17.3
7	0	0	1	3	235.2
7	0	0	0	2	-834.
8	0	0	1	3	-389.56
8	0	0	0	2	-762.8

POPIS ZATEZOVACICH STAVU - ZS 2

NAZEV :

ZATIZENI TECHNOLOGII

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU V SERII	TYPY ZATIZENI	POCATECNI INTENZITA	KONCOVA INTENZITA	POLOHA ZACATKU	POLOHA KONCE
PRVNI POSL.	T1 T2 SM T3 T4 T5				
2	0 0 0 2 0 0 1	-86.4		.45	
2	0 0 0 2 0 0 1	-172.8		2.8	
2	0 0 0 2 0 0 1	-172.8		5.2	
2	0 0 0 2 0 0 1	-576.4		7.6	
2	0 0 0 2 0 0 1	-576.4		10.	
3	0 0 0 2 0 0 1	-112.5		.3	
3	0 0 0 2 0 0 1	-234.		2.5	
3	0 0 0 2 0 0 1	-270.		5.5	
3	0 0 0 2 0 0 1	-270.		8.5	
4	0 0 0 2 0 0 1	-45.		5.75	
4	0 0 0 2 1 0 1	-41.4			

ZATIZENI UZLU [kN,kNm], [mm, mm/m]

CISLO UZLU TYPY ZATIZ. VELIKOST
V SERII ZATIZENI

PRVNI POSL.	T1 T2 SMER	
4	0 0 0 2	-86.4
4	0 0 1 3	-47.52
6	0 0 0 2	-153.
7	0 0 0 2	-281.
7	0 0 1 3	112.4
8	0 0 0 2	-281.
8	0 0 1 3	-112.4

POPIS ZATEZOVACICH STAVU - ZS 3

NAZEV :

JERABY - ZS I, BOCNI SILY DOLEVA

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU V SERII	TYPY ZATIZENI	POCATECNI INTENZITA	KONCOVA INTENZITA	POLOHA ZACATKU	POLOHA KONCE
PRVNI POSL.	T1 T2 SM T3 T4 T5				
7	0 0 0 2 0 0 1	-129.		4.25	
7	0 0 1 3 0 0 1	-193.5		4.25	
7	0 0 0 1 0 0 1	-16.		4.25	
11	0 0 0 2 0 0 1	-48.		4.25	
11	0 0 1 3 0 0 1	72.		4.25	
11	0 0 0 2 0 0 1	-793.		1.9	
11	0 0 1 3 0 0 1	-1348.		1.9	
11	0 0 0 1 0 0 1	-120.		1.9	

POPIS ZATEZOVACICH STAVU - ZS 4

NAZEV :

JERABY - ZS I, BOCNI SILY DOPRAVA

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU V SERII	TYPY	ZATIZENI	POCATECNI INTENZITA	KONCOVA INTENZITA	POLOHA ZACATKU	POLOHA KONCE			
PRVNI POSL.	T1	T2	SM	T3	T4	T5			
7	0	0	0	2	0	0	1	-129.	4.25
7	0	0	1	3	0	0	1	-193.5	4.25
7	0	0	0	1	0	0	1	16.	4.25
11	0	0	0	2	0	0	1	-48.	4.25
11	0	0	1	3	0	0	1	72.	4.25
11	0	0	0	2	0	0	1	-793.	1.9
11	0	0	1	3	0	0	1	-1348.	1.9
11	0	0	0	1	0	0	1	120.	1.9

POPIS ZATEZOVACICH STAVU - ZS 5

NAZEV :

JERABY - ZS II, BOCNI SILY DOLEVA

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU V SERII	TYPY	ZATIZENI	POCATECNI INTENZITA	KONCOVA INTENZITA	POLOHA ZACATKU	POLOHA KONCE			
PRVNI POSL.	T1	T2	SM	T3	T4	T5			
11	0	0	0	2	0	0	1	-129.	4.25
11	0	0	1	3	0	0	1	193.5	4.25
11	0	0	0	1	0	0	1	-16.	4.25
7	0	0	0	2	0	0	1	-48.	4.25
7	0	0	1	3	0	0	1	-72.	4.25
11	0	0	0	2	0	0	1	-793.	1.9
11	0	0	1	3	0	0	1	-1348.	1.9
11	0	0	0	1	0	0	1	-120.	1.9

POPIS ZATEZOVACICH STAVU - ZS 6

NAZEV :

JERABY - ZS II, BOCNI SILY DOPRAVA

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU V SERII	TYPY	ZATIZENI	POCATECNI INTENZITA	KONCOVA INTENZITA	POLOHA ZACATKU	POLOHA KONCE			
PRVNI POSL.	T1	T2	SM	T3	T4	T5			
11	0	0	0	2	0	0	1	-129.	4.25
11	0	0	1	3	0	0	1	193.5	4.25
11	0	0	0	1	0	0	1	16.	4.25
7	0	0	0	2	0	0	1	-48.	4.25
7	0	0	1	3	0	0	1	-72.	4.25
11	0	0	0	2	0	0	1	-793.	1.9
11	0	0	1	3	0	0	1	-1348.	1.9
11	0	0	0	1	0	0	1	120.	1.9

POPIS ZATEZOVACICH STAVU - ZS 7

NAZEV :

SNIH, VITR -

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU		TYPY		ZATIZENI					POCATECNI	KONCOVA	POLOHA	POLOHA
V SERII									INTENZITA	INTENZITA	ZACATKU	KONCE
PRVNI	POSL.	T1	T2	SM	T3	T4	T5					
9	0	0	0	2	0	0	1	-90.		8.65		
9	0	0	1	3	0	0	1	-90.		8.65		
5	0	0	0	2	0	0	1	-90.		1.1		
5	0	0	1	3	0	0	1	81.		1.1		
9	0	0	0	1	1	1	1	-4.5		0.		

POPIS ZATEZOVACICH STAVU - ZS 8

NAZEV :

SNIH, VITR +

ZATIZENI PRUTU [kN,kNm], [mm,mm/m]

CISLO PRUTU V SERII	TYPY	ZATIZENI	POCATECNI INTENZITA	KONCOVA INTENZITA	POLOHA ZACATKU	POLOHA KONCE			
PRVNI POSL.	T1	T2	SM	T3	T4	T5			
9	0	0	0	2	0	0	1	-90.	8.65
9	0	0	1	3	0	0	1	-90.	8.65
5	0	0	0	2	0	0	1	-90.	1.1
5	0	0	1	3	0	0	1	81.	1.1
9	0	0	0	1	1	1	1	3.355	0.

POPIS ZATEZOVACICH STAVU - ZS 9

NAZEV :

Y+

ZATIZENI UZLU [kN,kNm], [mm, mm/m]

CISLO UZLU	TYPY	ZATIZ.	VELIKOST
V SERII			ZATIZENI
PRVNI POSL.	T1	T2	SMER
1	0	0	0 1 172.6
1	0	0	0 2 -590.6
2	0	0	0 2 -637.4

POPIS ZATEZOVACICH STAVU - ZS 10

NAZEV :

Y-

ZATIZENI UZLU [kN,kNm], [mm, mm/m]

CISLO UZLU	TYPY	ZATIZ.	VELIKOST
V SERII			ZATIZEMI
PRVNI POSL.	T1	T2	SMER
1	0	0	0 1 32.5
1	0	0	0 2 -797.2
2	0	0	0 2 -852.6

POPIS ZATEZOVACICH STAVU - ZS 11

NAZEV :

X+

ZATIZENI OZLU [kN,kNm], [mm, mm/m]

CISLO OZLU TYPY ZATIZ. VELIKOST
V SERII ZATIZENI

PRVNI POSL. T1 T2 SMER

1	0	0	0	1	100.6
1	0	0	0	2	-695.6
2	0	0	0	2	-746.8

POPIS ZATEZOVACICH STAVU - ZS 12

NAZEV :

X-

ZATIZENI OZLU [kN,kNm], [mm, mm/m]

CISLO OZLU TYPY ZATIZ. VELIKOST
V SERII ZATIZENI

PRVNI POSL. T1 T2 SMER

1	0	0	0	1	-94.9
1	0	0	0	2	-746.3
2	0	0	0	2	-695.2

VÝPOČET EXTREMNÍCH ÚČINŮ

KOMORANY - VNITRNI RAM CD

SUPERPOSICE ZATEZOVACICH STAVU - POPIS KOMBINACI

NAZEV :

KOMB-k1

Cislo kombinace: 1

POPIS SUPERPOSICI ZATEZOVACICH STAVU

ZAT. STAVY	1	2	3	4	5	6	7	8	9	10
SKUPINY :	0	1	2	2	2	2	3	3	4	4
KOEFICIENTY:	1.1	1.3	1.4	1.4	1.4	1.4	1.3	1.3	1.	1.
ZAT. STAVY	11	12								
SKUPINY :	4	4								
KOEFICIENTY:	1.	1.								

NAZEV :

KOMB-2

Cislo kombinace: 2

POPIS SUPERPOSICI ZATEZOVACICH STAVU

ZAT. STAVY	1	2	3	4	5	6	7	8	9	10
SKUPINY :	0	1	2	2	2	2	3	3	4	4
KOEFICIENTY:	0.9	1.3	1.4	1.4	1.4	1.4	1.3	1.3	1.	1.
ZAT. STAVY	11	12								
SKUPINY :	4	4								
KOEFICIENTY:	1.	1.								

- 1 - VLASTNI TIHA KONSTRUKCE
- 2 - ZATIZENI TECHNOLOGII
- 3 - JERABY - ZS I, BOCNI SILY DOLEVA
- 4 - JERABY - ZS I, BOCNI SILY DOPRAVA
- 5 - JERABY - ZS II, BOCNI SILY DOLEVA
- 6 - JERABY - ZS II, BOCNI SILY DOPRAVA
- 7 - SMIH, VITR -
- 8 - SMIH, VITR +
- 9 - Y+
- 10 - Y-
- 11 - X+
- 12 - X-

VÝHODNO CENÍ VNITŘNÍCH SIL

PONTEX s.r.o., PRAHA, Bezova 1658

str.

DEFOR plus V93 (c) FEM consulting Brno 15/10 1993

list

3. kveten 1994 (11:39)

KOMORANY - RAM CD

KOMB-KOMB1

SUPER-VYHODNOCENI (STALE 1.1)

Seznam vyhodnocovanych prutu:

5 -5

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace			
PRUT	5	min N-x						
x=	10.70	-1994.71	-113.34	-647.90	1	7	12	
PRUT	5			max M-z				
x=	.00	-1298.27	-138.83	952.83	1	2	7	12
PRUT	5			min M-z				
x=	10.70	-1989.76	-141.82	-924.21	1	2	4	7 12

KOMB-KOMB2

SUPER-VYHODNOCENI (STALE 0.9)

Seznam vyhodnocovanych prutu:

5 -5

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace			
PRUT	5	max N-x						
x=	.00	-403.27	-55.80	481.92	1	2	4	8
PRUT	5	min N-x						
x=	10.70	-1798.95	-103.05	-597.47	1	7	12	
PRUT	5			max M-z				
x=	.00	-1207.49	-128.54	849.21	1	2	7	12
PRUT	5			min M-z				
x=	10.70	-1794.01	-131.53	-873.79	1	2	4	7 12

DEFOR plus V93 (c) FEM consulting Brno 15/10 1993

PONTEX s.r.o., PRAHA, Bezova 1658

str.

DEFOR plus V93 (c) FEM consulting Brno 15/10 1993
9. kveten 1994 (10:58)
KOMORANY - RAM CD

list

KOMB-KOMB1

SUPER-VYHODNOCENI (STALE 1.1)

Seznam vyhodnocovanych prutu:

6 -8

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace					
PRUT	8	min N-x								
x=	10.55	-8994.74	-220.70	-1187.73	1	2	3	7	12	
PRUT	6			max M-z						
x=	.00	-3796.36	-813.05	2241.36	1	2	7	12		
PRUT	6			min M-z						
x=	4.40	-3947.81	-758.53	-1565.34	1	2	4	7	12	

KOMB-KOMB2

SUPER-VYHODNOCENI (STALE 0.9)

Seznam vyhodnocovanych prutu:

6 -8

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace					
PRUT	6	max N-x								
x=	.00	-1594.13	-193.98	170.91	1	4				
PRUT	8	min N-x								
x=	10.55	-8005.53	-216.86	-1182.15	1	2	3	7	12	
PRUT	6			max M-z						
x=	.00	-3427.36	-757.83	2099.12	1	2	7	12		
PRUT	6			min M-z						
x=	4.40	-3539.22	-703.30	-1464.60	1	2	4	7	12	

INTEX s.r.o., PRAHA, Bezova 1658

str. 126

EFOR plus V93 (c) FEM consulting Brno 15/10 1993
3. kveten 1994 (11:42)
OM RANY - RAM CD

list

ON -KOMB1

SUPER-VYHODNOCENI (STALE 1.1)

Seznam vyhodnocovanych prutu:
9 -9

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace				
PRUT	9	max N-x	61.60	-270.79	1	7			
x = 10.10		min N-x	115.67	932.96	1	2	4	8	10
		-2278.02							
PRUT	9			max M-z	1	2	4	8	9
x = 10.10		-2123.93	179.37	1270.35					
				min M-z	1	2	4	8	9
PRUT	9		144.47	-852.50					
x = .00		-1351.55							

SUPER-VYHODNOCENI (STALE 0.9)

I OMB-KOMB2

Seznam vyhodnocovanych prutu:
9 -9

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace				
PRUT	9	max N-x	51.31	-276.07	1	7			
x = .00		-505.46							
PRUT	9	min N-x	105.38	842.44	1	2	4	8	10
x = 10.10		-2043.58							
PRUT	9			max M-z	1	2	4	8	9
x = 10.10		-1889.49	169.07	1179.82					
				min M-z	1	2	4	8	9
PRUT	9		134.18	-778.38					
x = .00		-1236.27							

3. kveten 1994 (11:41)
 OM RANY - RAM CD

SUPER-VYHODNOCENI (STALE 1.1) 127

KOM 3-KOMB1

Seznam vyhodnocovanych prutu:
 0 -10

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace				
PRUT	10	min N-x			1	2	4	8	10
x=	4.40	-5187.38	721.88	692.10					
PRUT	10			max M-z	1	2	8	9	
x=	4.40	-5080.85	852.90	1286.07					
PRUT	10			min M-z	1	2	4	8	9
x=	.00	-4965.69	798.38	-2760.44					

SUPER-VYHODNOCENI (STALE 0.9)

KOMB-KOMB2

Seznam vyhodnocovanych prutu:
 10 -10

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	M-z	Kombinace				
PRUT	10	max N-x			1				
x=	.00	-2021.58	248.50	-699.53					
PRUT	10	min N-x			1	2	4	8	10
x=	4.40	-4705.14	666.65	604.57					
PRUT	10			max M-z	1	2	8	9	
x=	4.40	-4598.61	797.68	1198.54					
PRUT	10			min M-z	1	2	4	8	9
x=	.00	-4516.45	743.16	-2604.99					

PONTEX s.r.o., PRAHA, Bezova 1658

str. 46

DEFOR plus V93 (c) FEM consulting Brno 15/10 1993
9. kveten 1994 (11:00)
KOMORANY - RAM CD

list

KOMB-KOMB1

SUPER-VYHODNOCENI (STALE 1.1)

Seznam vyhodnocovanych prutu:
11 -12

VNITRNI SILY V PRUTECH (kN, kNm)

	N-x	Q-y	M-z	Kombinace				
PRUT 12 min N-x				1	2	6	8	9
x= 10.55 -12010.92	249.12	1655.54						
PRUT 11 max M-z				1	2	4	8	9
x= 11.40 -9083.36	270.81	2086.79						
PRUT 11 min M-z				1	2	4	8	9
x= .00 -6718.95	102.81	-2751.73						

KOMB-KOMB2

SUPER-VYHODNOCENI (STALE 0.9)

Seznam vyhodnocovanych prutu:
11 -12

VNITRNI SILY V PRUTECH (kN, kNm)

	N-x	Q-y	M-z	Kombinace				
PRUT 11 max N-x				1				
x= .00 -2711.56	51.22	-499.46						
PRUT 12 min N-x				1	2	6	8	9
x= 10.55 -10872.87	245.28	1634.81						
PRUT 11 max M-z				1	2	4	8	9
x= 11.40 -8264.97	259.42	2016.37						
PRUT 11 min M-z				1	2	4	8	9
x= .00 -6116.38	91.42	-2640.74						

VSTUPNÍ DATA PRO VÝPOČET INTERAKČNÍCH DIAGRAMŮ

KONTROLA VSTUPNÍCH DAT : ▶ POKRACUJ

O P R A V A

Zatizení						Materialy
M [kNm]	481.92	-647.90	952.83	-924.21	0.00	Beton B 20
N [kN]	-403.27	-1994.71	-1298.27	-1989.76	0.00	Ocel 10 372 B
M [kNm]	0.00	0.00	0.00	0.00		
N [kN]	0.00	0.00	0.00	0.00		

Geometrie [m]

Vyztužení

b = 0.70

PRŮT 5

h = 1.50

Vyztuž

he[i] (m)

6φ 16	0.050
2φ 16	0.250
2φ 16	0.450
2φ 16	0.650
2φ 16	0.850
2φ 16	1.050
2φ 16	1.250
6φ 16	1.450

Součinitele gama

GamaB = 1.000

GamaS = 1.000

GamaU = 0.987

Stupne vyztužení

Misc min = 0.0006 Mist min = 0.0016

Misc max = 0.0300 Mist max = 0.0300

→: Posuv ⌵: Vyber ESC: Skonci

KONTROLA VSTUPNÍCH DAT : ▶ POKRACUJ

O P R A V A

Zatizení						Materialy
M [kNm]	170.91	-1187.73	2241.36	-1565.34	0.00	Beton B 20
N [kN]	-1594.13	-8994.74	-3796.36	-3947.81	0.00	Ocel 10 372 B
M [kNm]	0.00	0.00	0.00	0.00		
N [kN]	0.00	0.00	0.00	0.00		

Geometrie [m]

Vyztužení

b = 1.00

PRŮTY 6, 7, 8

h = 1.80

Vyztuž

he[i] (m)

8φ 16	0.050
2φ 16	0.250
2φ 16	0.450
3φ 16	0.750
3φ 16	1.050
2φ 16	1.350
2φ 16	1.550
8φ 16	1.750

Součinitele gama

GamaB = 1.000

GamaS = 1.000

GamaU = 0.989

Stupne vyztužení

vypocet dle CSN

→: Posuv ⌵: Vyber ESC: Skonci

KONTROLA VSTUPNICH DAT : POKRACUJ

O P R A V A

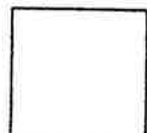
Zatizeni						Materialy
M [kNm]	-276.07	932.96	1270.35	-852.50	0.00	Beton B 20
N [kN]	-505.46	-2278.02	-2123.93	-1351.55	0.00	Ocel 10 372 B
M [kNm]	0.00	0.00	0.00	0.00		
N [kN]	0.00	0.00	0.00	0.00		

Geometrie [m]

Vyztuzeni

b = 0.70

Plut (9)



h = 1.20

6φ18

Vyztuz

he[i] (m)

6φ 18	0.050
2φ 18	0.250
2φ 18	0.450
2φ 18	0.750
2φ 18	0.950
6φ 18	1.150

Soucinitele gama

Stupne vyztuzeni

GamaB =1.000

GamaS=1.000

GamaU=0.984

Misc min = 0.0006

Mist min = 0.0016

Misc max = 0.0300

Mist max = 0.0300

→:Posuv ⌋:Vyber ESC:Skonci

KONTROLA VSTUPNICH DAT : POKRACUJ

O P R A V A

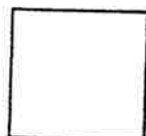
Zatizeni						Materialy
M [kNm]	-276.07	932.96	1270.35	-852.50	0.00	Beton B 20
N [kN]	-505.46	-2278.02	-2123.93	-1351.55	0.00	Ocel 10 372 B
M [kNm]	0.00	0.00	0.00	0.00		
N [kN]	0.00	0.00	0.00	0.00		

Geometrie [m]

Vyztuzeni

b = 0.70

Plut (9)



h = 1.20

8φ18

Vyztuz

he[i] (m)

8φ 18	0.050
2φ 18	0.250
2φ 18	0.450
2φ 18	0.750
2φ 18	0.950
8φ 18	1.150

Soucinitele gama

Stupne vyztuzeni

GamaB =1.000

GamaS=1.000

GamaU=0.984

Misc min = 0.0006

Mist min = 0.0016

Misc max = 0.0300

Mist max = 0.0300

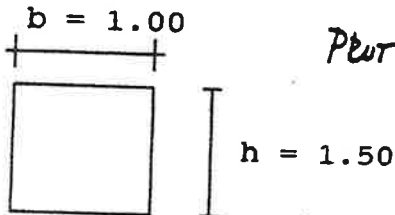
→:Posuv ⌋:Vyber ESC:Skonci

KONTROLA VSTUPNICH DAT : POKRACUJ

O P R A V A

Zatizeni						Materialy
M [kNm]	-699.53	692.10	1286.07	-2760.44	0.00	Beton B 20
N [kN]	-2021.58	-5187.38	-5080.85	-4965.69	0.00	Ocel 10 372 B
M [kNm]	0.00	0.00	0.00	0.00		
N [kN]	0.00	0.00	0.00	0.00		

Geometrie [m]



Vyztuzeni
Vyztuz he[i] (m)

6φ 16	0.050
2φ 16	0.250
2φ 16	0.450
2φ 16	0.650
2φ 16	0.850
2φ 16	1.050
2φ 16	1.250
6φ 16	1.450

Soucinitele gama

GamaB =1.000 GamaS=1.000
GamaU=0.987

Stupne vyztuzeni

Misc min = 0.0006 Mist min = 0.0016
Misc max = 0.0300 Mist max = 0.0300

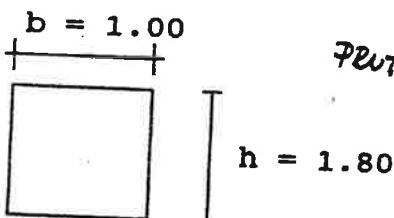
→:Posuv ⌋:Vyber ESC:Skonci

KONTROLA VSTUPNICH DAT : POKRACUJ

O P R A V A

Zatizeni						Materialy
M [kNm]	-499.46	1655.54	2086.79	-2751.73	0.00	Beton B 20
N [kN]	-2711.56	-12010.90	-9083.36	-6718.95	0.00	Ocel 10 372 B
M [kNm]	0.00	0.00	0.00	0.00		
N [kN]	0.00	0.00	0.00	0.00		

Geometrie [m]



Vyztuzeni
Vyztuz he[i] (m)

9φ 16	0.050
2φ 16	0.250
2φ 16	0.450
3φ 16	0.750
3φ 16	1.050
2φ 16	1.350
2φ 16	1.550
9φ 16	1.750

Soucinitele gama

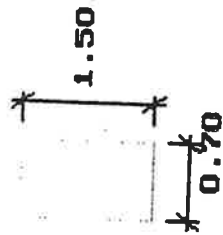
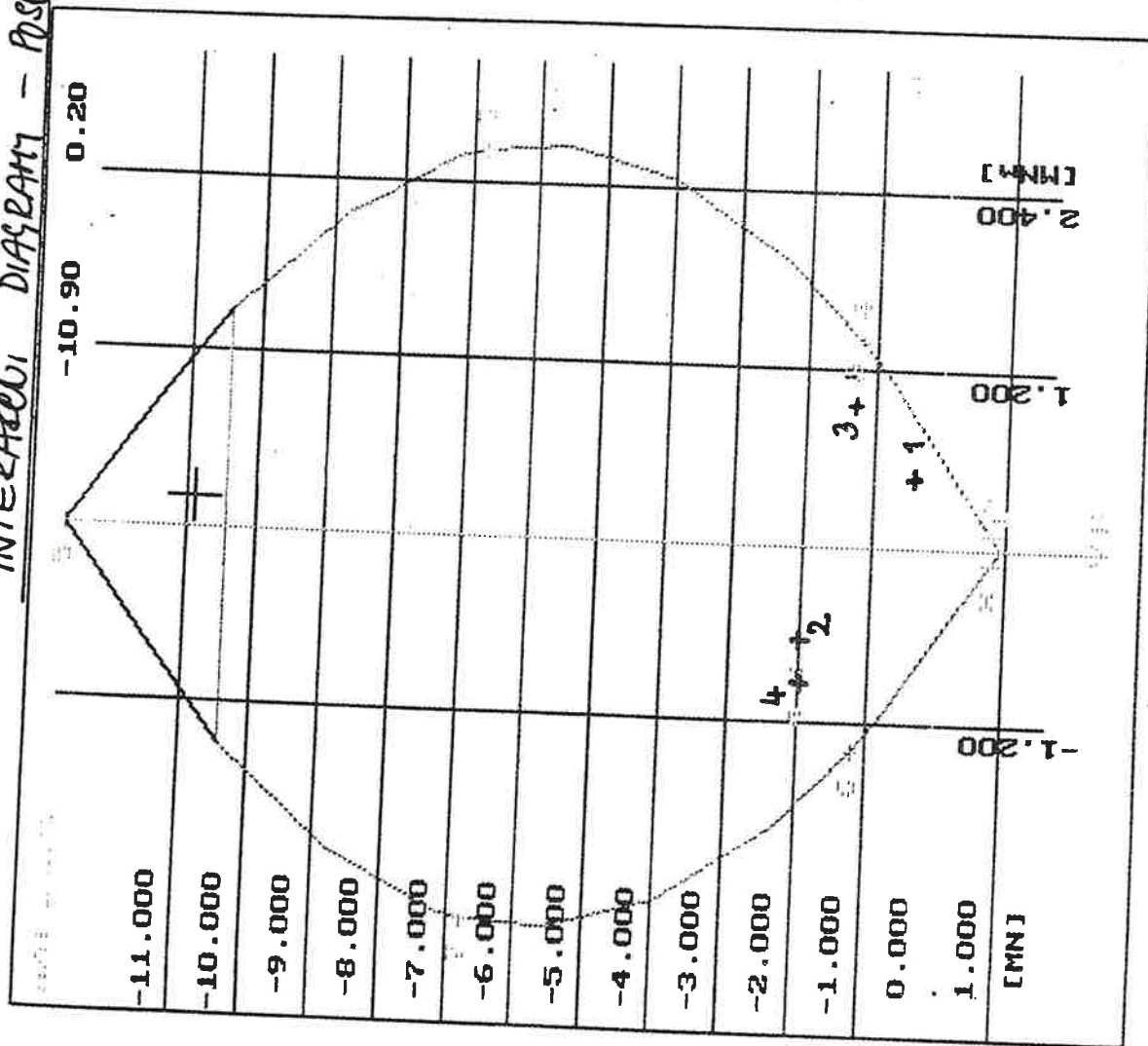
GamaB =1.000 GamaS=1.000
GamaU=0.989

Stupne vyztuzeni

Misc min = 0.0006 Mist min = 0.0016
Misc max = 0.0300 Mist max = 0.0300

→:Posuv ⌋:Vyber ESC:Skonci

INTERAKČNÍ DIAGRAM - PRŮŽEHY



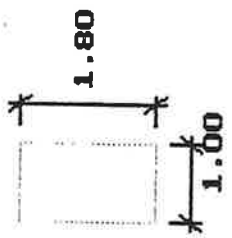
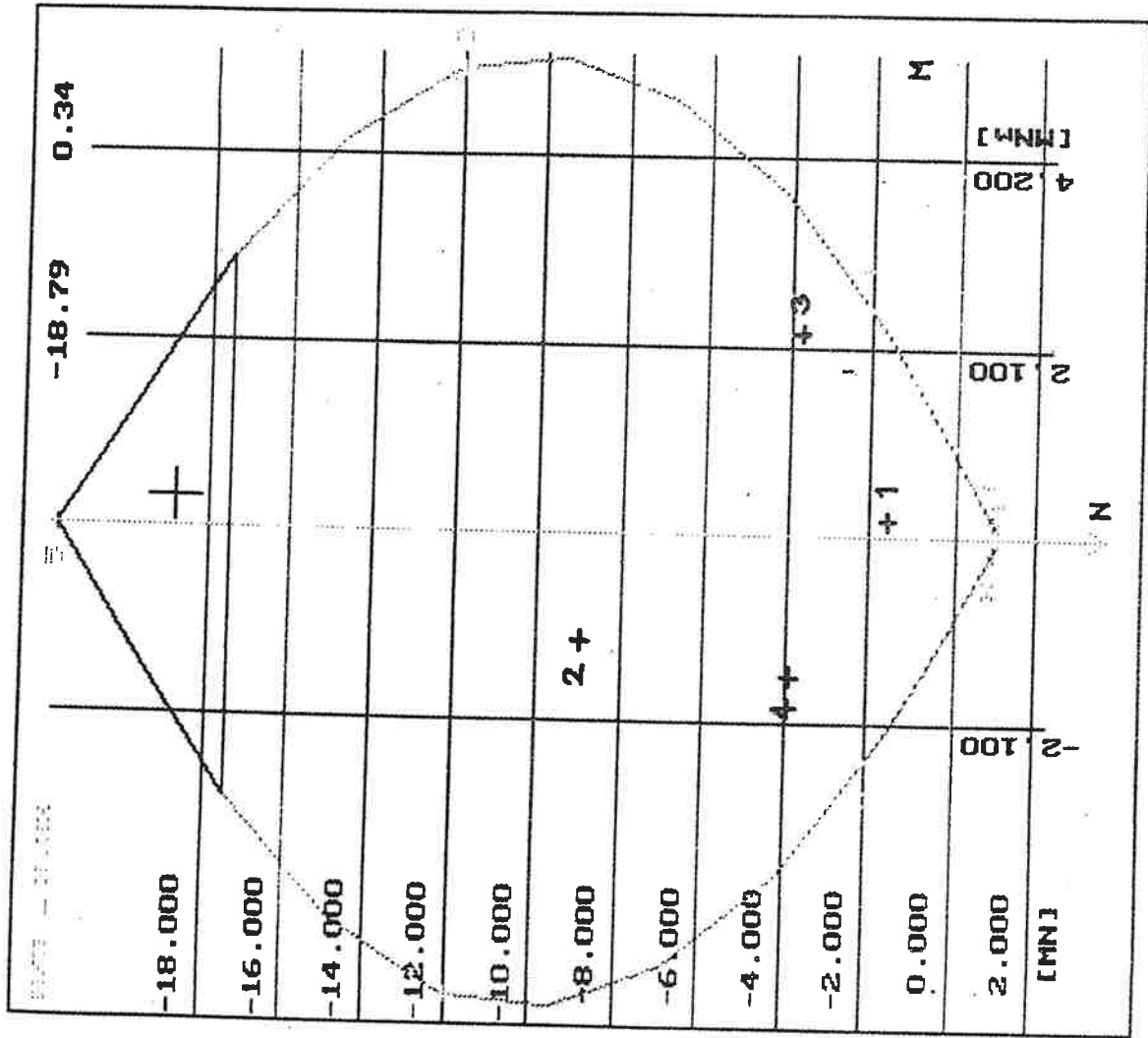
As1: 2412.7 As2: 2412.7

1	0.0000	0.9050
2	0.0980	0.7650
3	2.6232	-6.7936
4	1.3848	-1.2075
5	-0.0000	-12.824
6	-1.3848	-1.2075
7	-2.6232	-6.7936
8	-0.0980	0.7650

1	0.4819	-0.4033
2	-0.6479	-1.9947
3	0.9528	-1.2983
4	-0.9242	-1.9898

PrŮŤ → ← PRŮŤ ← → ESC KONEC PRŮŤ/PRŮŤ. PRŮŤ

GW - P6,7,8

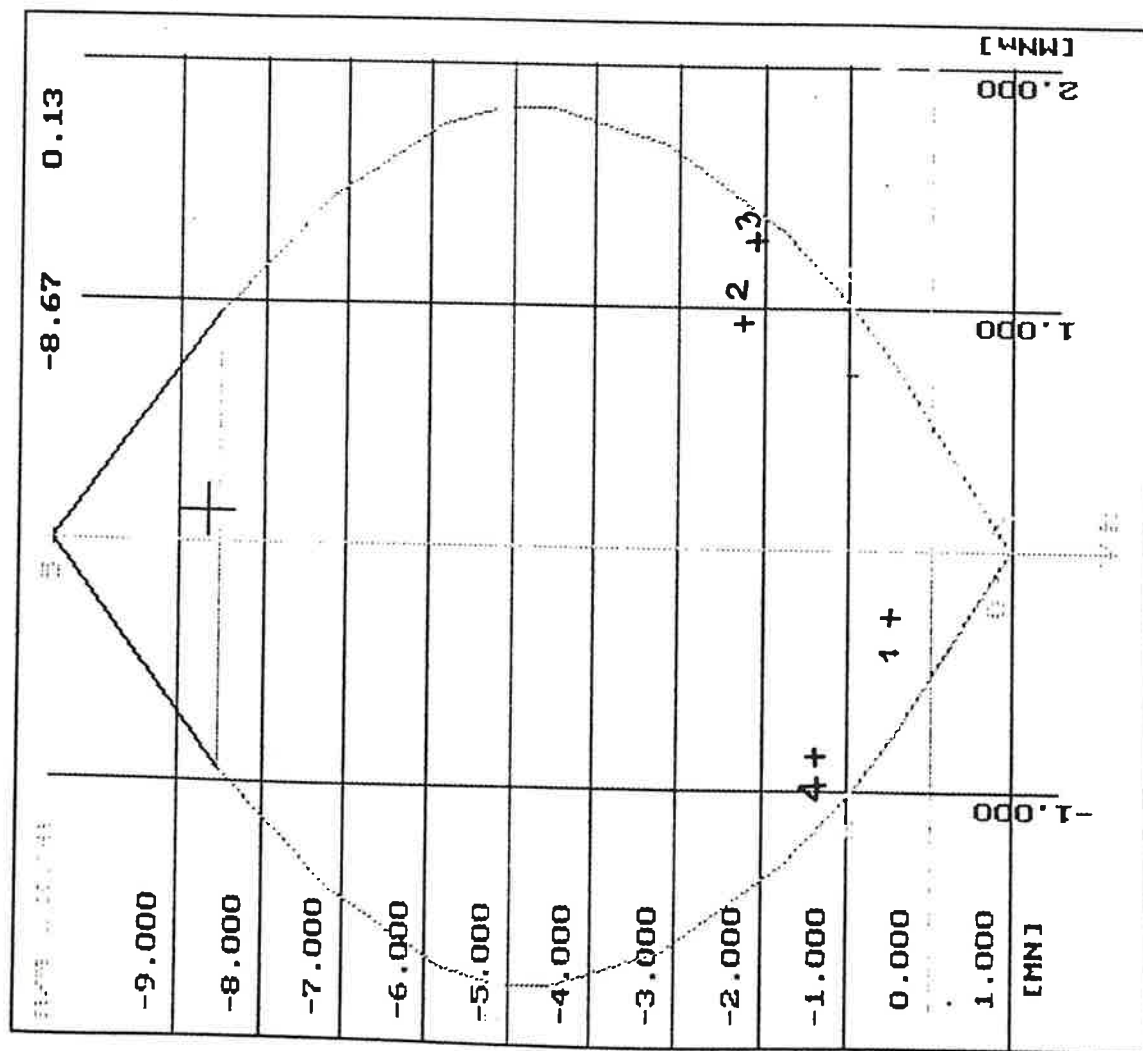


As1:3015.9 As2:3015.9

1	0.0000	1.1337
2	0.1758	0.9268
3	5.1521	-12.011
4	2.5523	-2.0700
5	-0.0000	-21.609
6	-2.5523	-2.0700
7	-5.1521	-12.011
8	-0.1758	0.9268

1	0.1709	-1.5941
2	-1.1877	-8.9947
3	2.2414	-3.7964
4	-1.5653	-3.9478

Page -> <- Page <- -> Use KONEC F1 BN/COL. F2 BOD



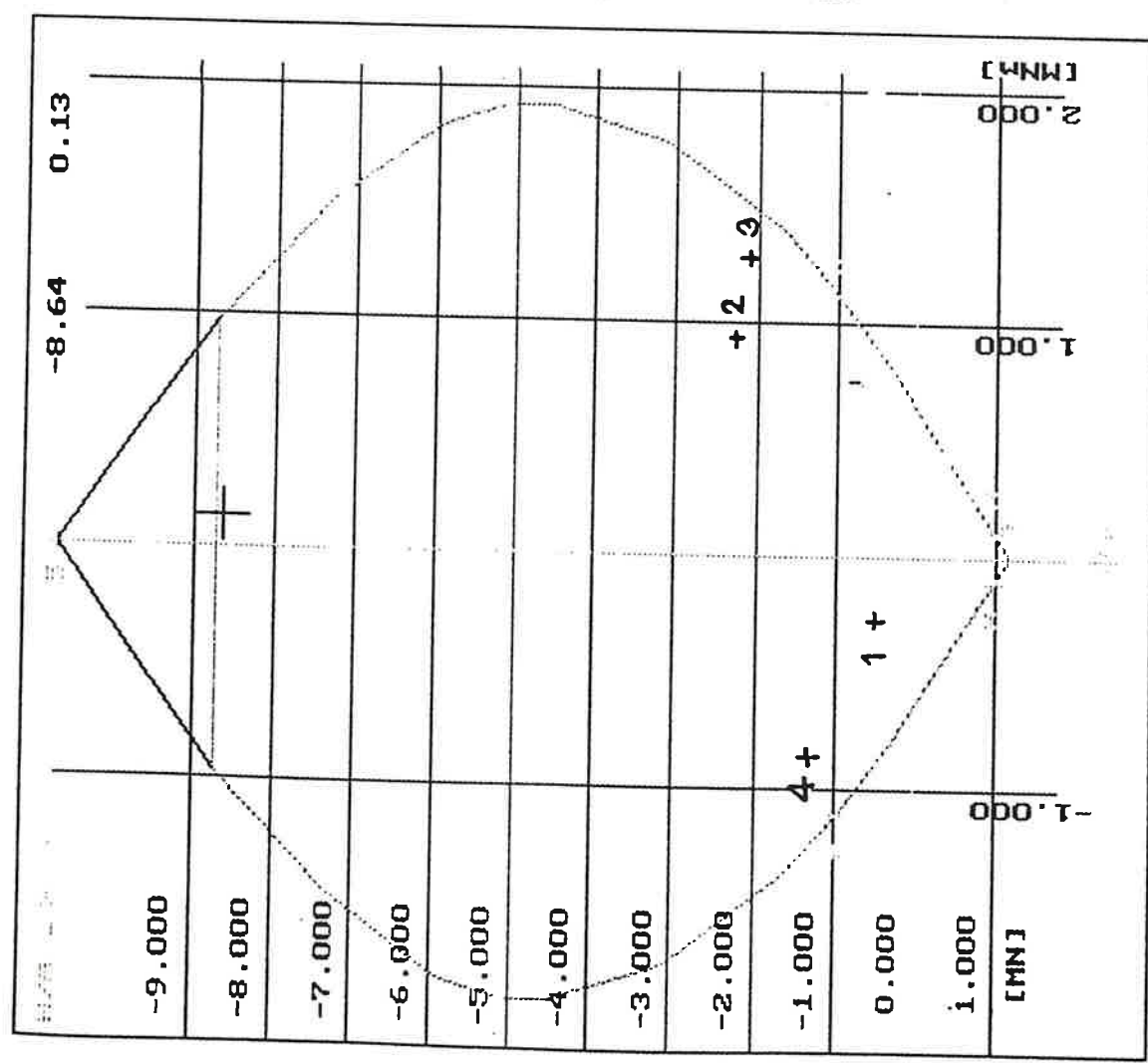
As1:2544.7 As2:2544.7

1	0.0000	0.9515
2	0.0816	0.8032
3	1.8130	-5.1283
4	1.0048	-0.9660
5	-0.0000	-10.456
6	-1.0048	-0.9660
7	-1.8130	-5.1283
8	-0.0816	0.8032

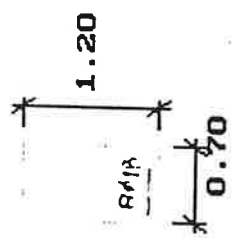
1	-0.2761	-0.5055
2	0.9330	-2.2780
3	1.2703	-2.1239
4	-0.8525	-1.3516

Page 10 -> <- Page 11 -> Esc KONEC F1 BW/COL. F2 BOD

1-1-19

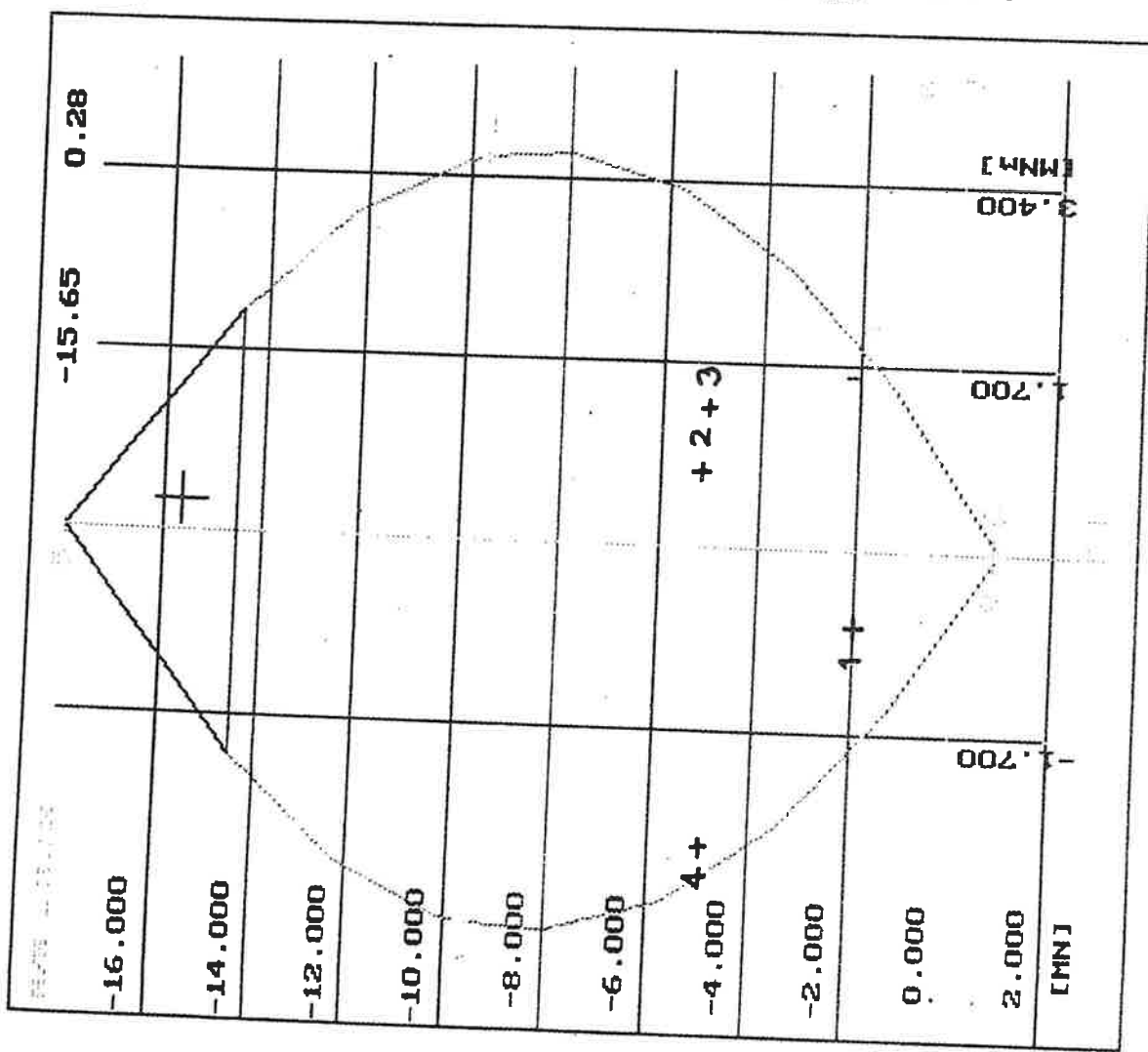


Page -> <- Page <- -> Esc KONEC F1 BW/COL. F2 BOD



As1:3053.6		As2:3053.6	
1	0.0000	1.1418	
2	0.1087	0.9441	
3	1.9176	-5.1283	
4	1.1094	-0.9660	
5	-0.0000	-10.647	
6	-1.1094	-0.9660	
7	-1.9176	-5.1283	
8	-0.1087	0.9441	
As1:3053.6		As2:3053.6	
1	-0.2761	-0.5055	
2	0.9330	-2.2780	
3	1.2703	-2.1239	
4	-0.8525	-1.3516	

DS - P40



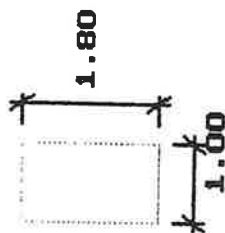
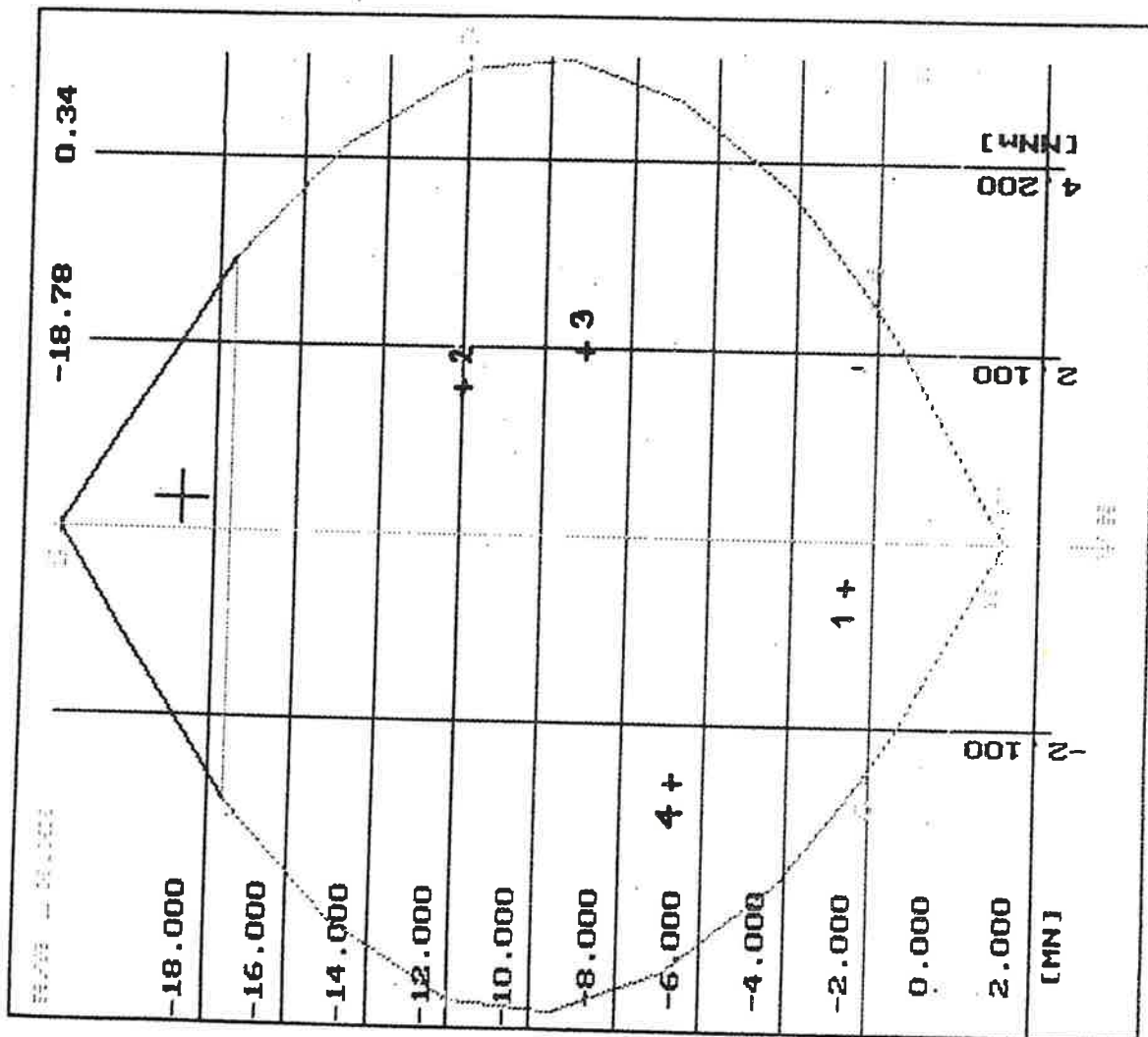
As1:2412.7	As2:2412.7
------------	------------

1	0.0000	0.9050
2	0.0980	0.7650
3	3.5638	-9.6530
4	1.7367	-1.7250
5	-0.0000	-17.932
6	-1.7367	-1.7250
7	-3.5638	-9.6530
8	-0.0980	0.7650

1	-0.6995	-2.0216
2	0.6921	-5.1874
3	1.2861	-5.0808
4	-2.7604	-4.9657

Page -> <- Page <- -> ESE KONEC FIBW/COL. P2 BOD

D3 - PM, 12



--	--

--	--

As1:3217.0 As2:3217.0

--	--

1	0.0000	1.2092
2	0.1978	0.9765
3	5.2163	-12.011
4	2.6165	-2.0700
5	-0.0000	-21.685
6	-2.6165	-2.0700
7	-5.2163	-12.011
8	-0.1978	0.9765

--	--

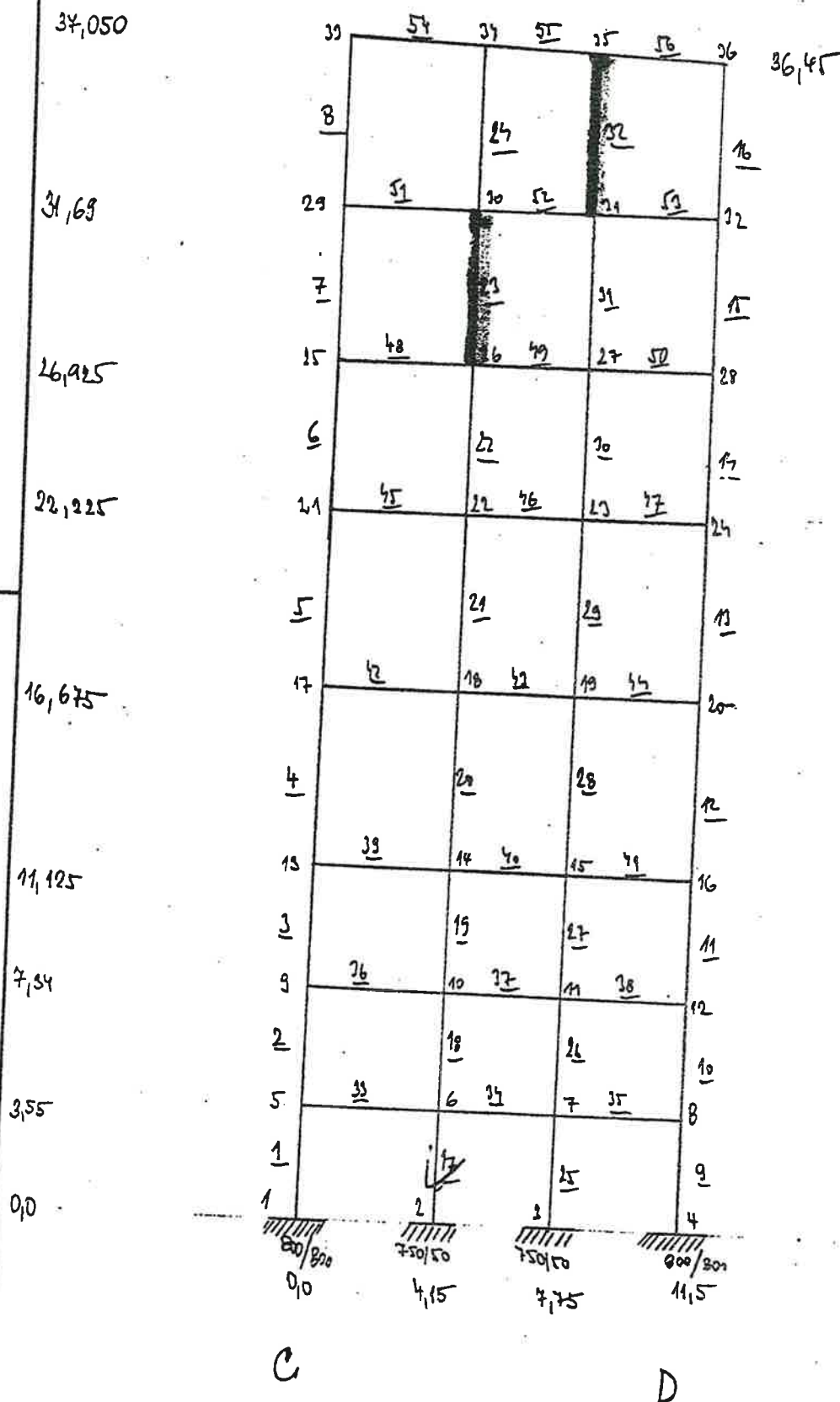
1	-0.4995	-2.7116
2	1.6555	-12.010
3	2.0868	-9.0834
4	-2.7517	-6.7190

PM00 -> <- PM00 <- -> Esc KONEC F1 BW/COL. F2 BOD

POSOUZENÍ KRAJNÍHO RÁMU CD

ROVINNÝ MODEL

STATICKÉ SCHÉMA



ŽÁKLADNÍ VSTUPNÍ DATA

- 140 -

RAM CD - KRAJNÍ

TYP KONSTRUKCE 2= rovinny ram
POCET UZLU 36
POCET PRUTU 56
POCET PODPOR 4

POPIS SOURADNIC UZLU

CISLO PODP.	SOURADNICE	SOURADNICE
UZLU	UZEL	Y [m]
1	1	0.
2	1	4.15
3	1	7.75
4	1	11.5
5	0	0.
6	0	4.15
7	0	7.75
8	0	11.5
9	0	0.
10	0	4.15
11	0	7.75
12	0	11.5
13	0	0.
14	0	4.15
15	0	7.75
16	0	11.5
17	0	0.
18	0	4.15
19	0	7.75
20	0	11.5
21	0	0.
22	0	4.15
23	0	7.75
24	0	11.5
25	0	0.
26	0	4.15
27	0	7.75
28	0	11.5
29	0	0.
30	0	4.15
31	0	7.75
32	0	11.5
33	0	0.
34	0	4.15
35	0	7.75
36	0	11.5

POPIS KODOVYCH CISEL PRUTU		
CISLO PRUTU	CISLO POCAT. UZLU	CISLO KONC. UZLU
1	1	5
2	5	9
3	9	13
4	13	17
5	17	21
6	21	25
7	25	29
8	29	33
9	4	8
10	8	12
11	12	16
12	16	20
13	20	24
14	24	28
15	28	32
16	32	36
17	2	6
18	6	10
19	10	14
20	14	18
21	18	22
22	22	26
23	26	30
24	30	34
25	3	7
26	7	11
27	11	15
28	15	19
29	19	23
30	23	27
31	27	31
32	31	35
33	5	6
34	6	7
35	7	8
36	9	10
37	10	11
38	11	12
39	13	14
40	14	15
41	15	16
42	17	18
43	18	19
44	19	20
45	21	22
46	22	23
47	23	24
48	25	26
49	26	27
50	27	28
51	29	30
52	30	31
53	31	32
54	33	34
55	34	35
56	35	36

POPIS FYZIKALNICH VELICIN PRUTU

CISLO PRUTU	MODUL	MODUL PRUZ.
V SERII	PRUZNOSTI	VE SMYKU
PRVNI POSL.	E [MPa]	G [MPa]
1 56	27000.	0.

POPIS PRUREZOVYCH VELICIN PRUTU [m³]

CISLO PRUTU	PRUREZOVA	SMYKOVA	MOMENT
V SERII	PLOCHA	PLOCHA	SETRVACNOSTI
PRVNI POSL.	-----		
	$\lambda(1,n)$	$\lambda(2,n)$	$\lambda(3,n)$
1 16	.64	.533	.0341
17 32	.375	.313	.0078
33 38	.36	.3	.0243
39 53	.1875	.156	.0088
54 56	0.72	.6	.0486