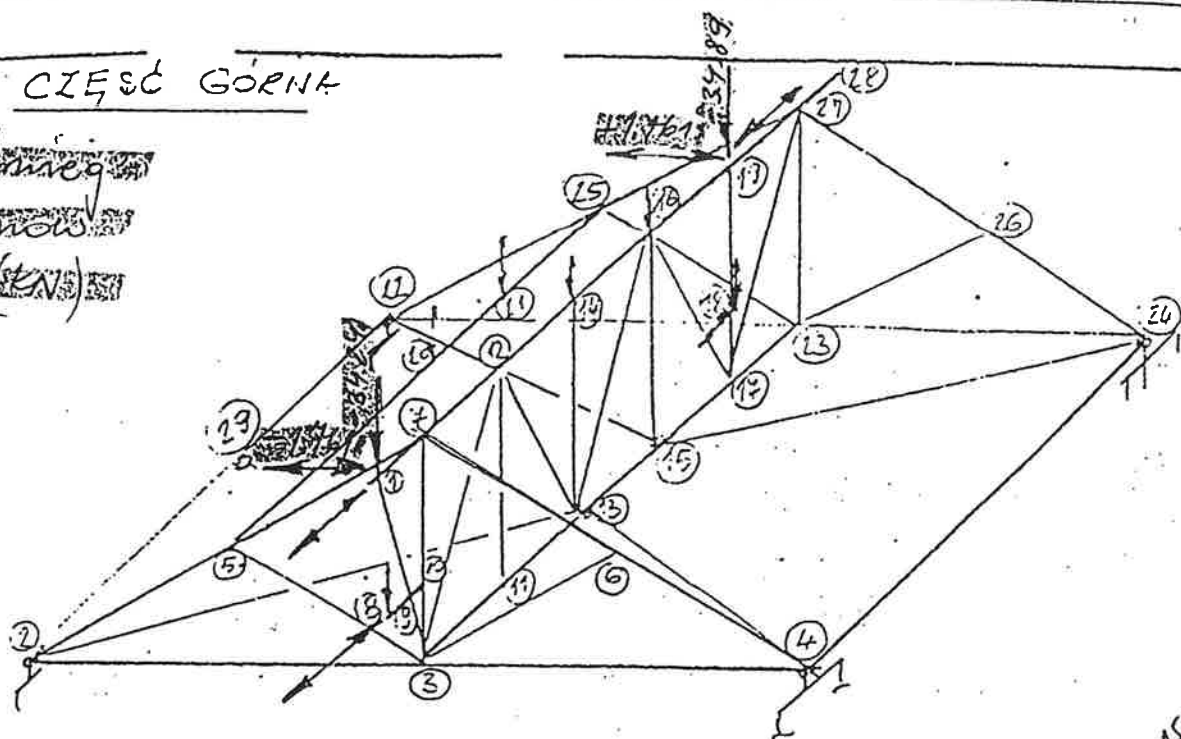


CIEŚĆ GÓRNA

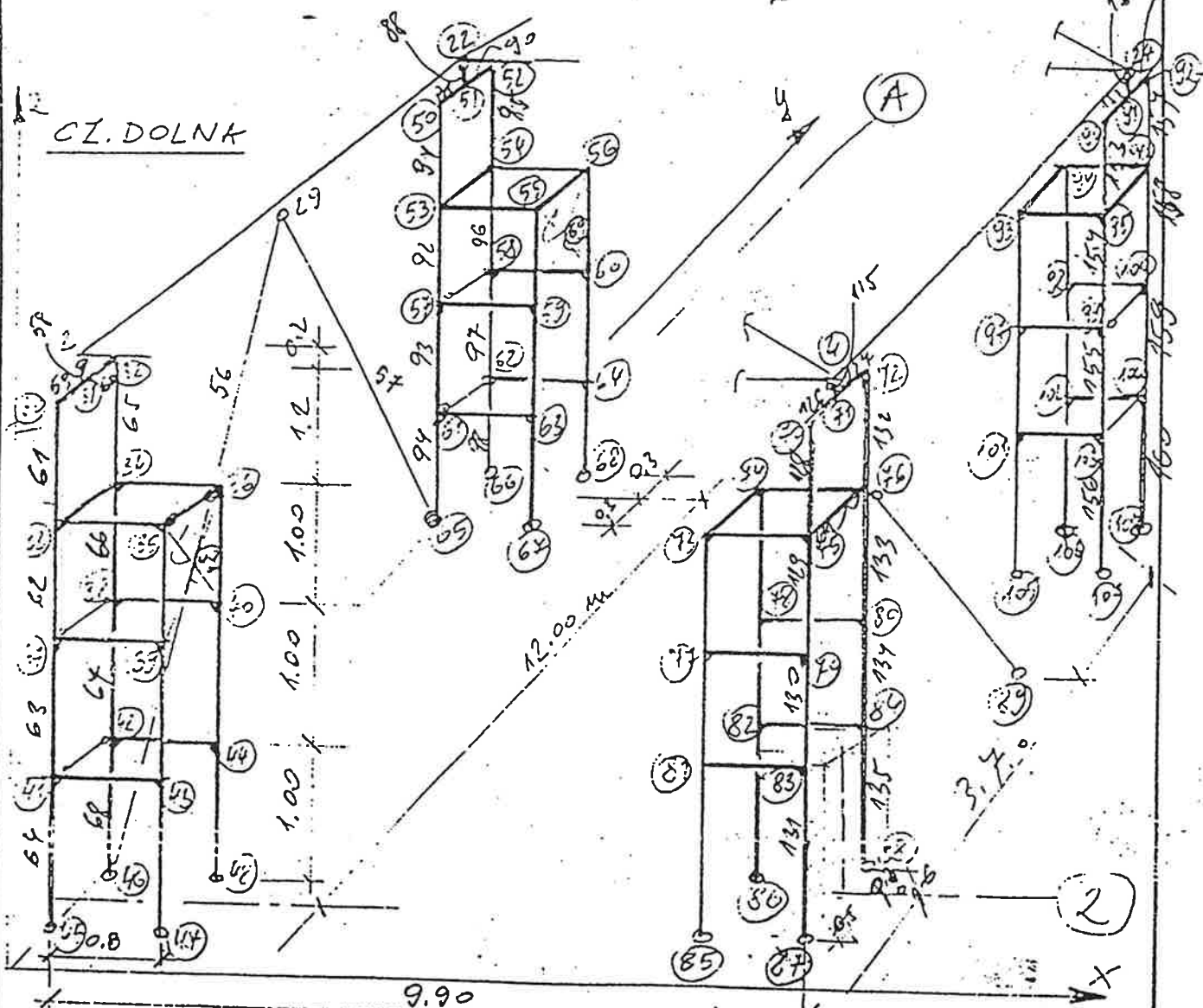
6-15-92

SNOW

57 (KNS) 57



CZ. DOLNA



PODPORA-1

Projektował	K. PRZYBYLSKI			klas. rys.		nr rys.		nr proj.
Kier. pracowni	T. PAZUR			podz. faza				

ZMIANY

B.S.iP.E. „ENERGOPROJEKT” w KATOWICACH

Data : 22- 4-1994

PRO-MES 4.0

Czas : 13:15

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej badhausu

PRZEBIEG REAKCJI X

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia

Wariant nr : 6 Snieg

Bazowy z mnożnikiem : 1.0

Nr węzła	Odległość [m]	R-X [kN]
45	0.0	0.2628
46	0.6	0.2319
47	1.6	0.2189
48	2.2	0.196
65	13.63	-0.1727
66	14.23	-0.1578
67	15.23	-0.1259
68	15.83	-0.1148
85	30.92	0.0921
86	31.52	0.09472
87	32.52	0.136
88	33.12	0.1393
89	36.52	0.0
105	44.56	-0.1646
106	45.16	-0.1964
107	46.16	-0.1982
108	46.76	-0.2415

Data : 22- 4-1994

PRO-MES 4.0

Czas : 13:59

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej badhausu

PRZEBIEG REAKCJI Y

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia :

Wariant nr : 5 Snieg

Bazowy z mnożnikiem : 1.00

Nr węzła	Odległość [m]	R-Y [kN]
45	0.0	-0.01337
46	0.6	-0.1989
47	1.6	-0.005693
48	2.2	-0.002693
65	13.63	-0.2194
66	14.23	0.006689
67	15.23	0.002925
68	15.83	0.0002497
85	30.92	0.0007552
86	31.52	0.01156
87	32.52	-0.004145
88	33.12	0.02424
89	36.52	-0.07805
105	44.56	0.008687
106	45.16	0.009164
107	46.16	0.0161
108	46.76	0.0218

Data : 22- 4-1994

PRO-MES 4.0

Czas : 13:56

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej baghausu

P R Z E B I E G R E A K C J I Z

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia

Wariant nr : 6

Śnieg

Bazowy z mnożnikiem : 1.0

Nr węzła

Odległość

R-Z

[m]

[kN]

45	0.0
46	0.6
47	1.6
48	2.2
65	13.63
66	14.23
67	15.23
68	15.83
85	30.92
86	31.52
87	32.52
88	33.12
89	36.52
105	44.56
106	45.16
107	46.16
108	46.76

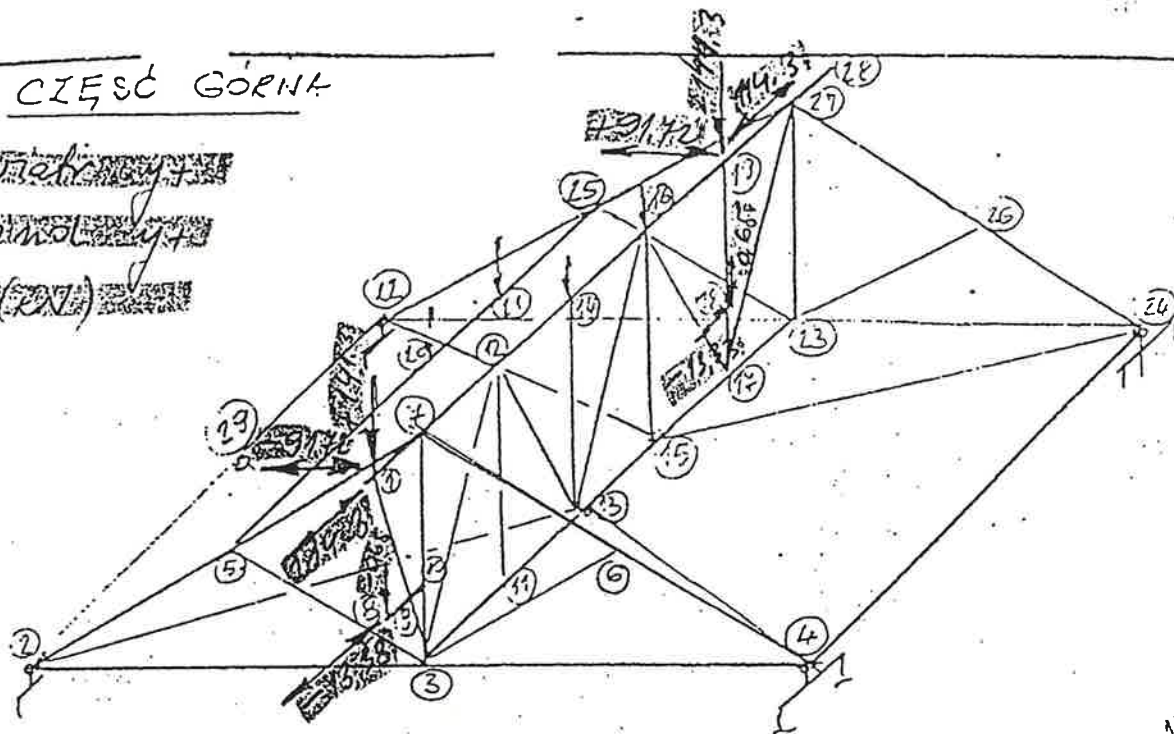
13.42	} 26,72	} 21,72 / 13,77
13.3		
-2.673	} -5,00	
-2.33		
4.939	} 9,71	
4.767		
1.648	} 3,14	} 12,85 / 3,27
1.494		
1.304	} 2,54	
1.238		
9.22	} 18,37	} 20,87 / -7,36
9.106		
0.06887		
-1.952	} -4,40	
-2.452		
9.174	} 18,02	} 13,63 / -9,65
8.857		

CIEŚĆ GÓRNA

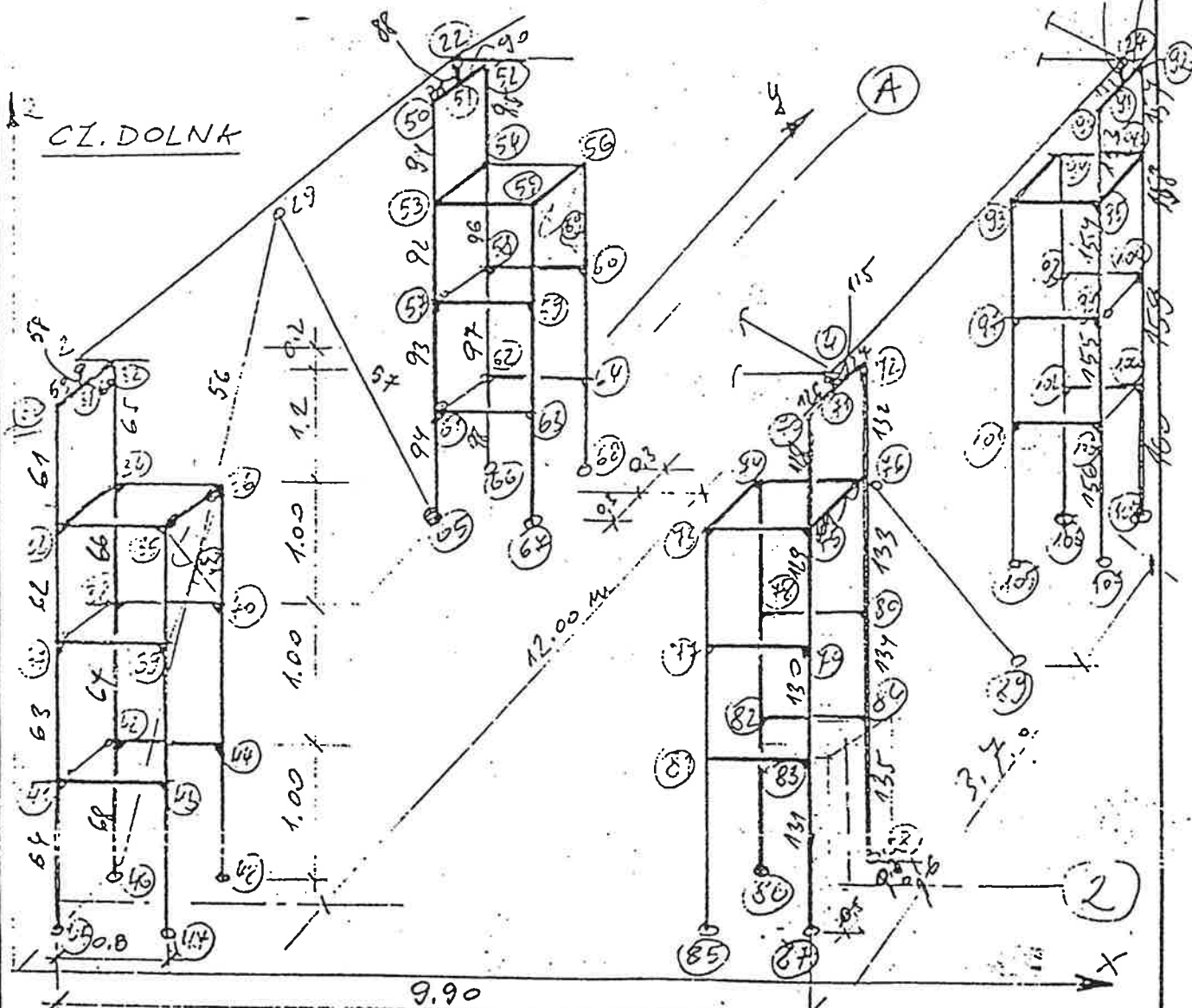
Sy. W. C. M.

Wm. L. G. 1844

STIRLING (2000) 2000



CZ. DOLNA



PODPORA- 1

Projektował	4. PRZYBYLSKI			klas. rys.		nr rys.		nr proj.
Kier. pracowni	T. PAZUR			podz.	laza			

ZMIANY

B.S.iP.E. "ENERGOPROJEKT" w KATOWICACH

Data : 22- 4-1994

PRO-MES 4.0

Czas : 14:31:58

Zadanie : WFR5

Y+

Komorany Dach Podpora 1 konstrukcji wsporczej baohausu

P R Z E B I E G R E A K C J I X

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

Wariant nr : 7 Wiatr y+

Bazowy z mnożnikiem : 1.0000

Nr węzła	Odległość [m]	R-X [kN]
45	0.0	8.735
46	0.6	8.736
47	1.6	6.752
48	2.2	6.781
65	13.63	-8.549
66	14.23	-8.299
67	15.23	-6.631
68	15.83	-6.416
85	30.92	5.954
86	31.52	9.125
87	32.52	7.238
88	33.12	11.77
89	36.52	0.0
105	44.56	-8.141
106	45.16	-7.365
107	46.16	-10.41
108	46.76	-9.281

} 31,0

} -29,90

} 34,03

} -35,20

Data : 22- 4-1994

PRO-MES 4.0

Czas : 14:32:28

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej baohausu

P R Z E B I E G R E A K C J I Y

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

Wariant nr : 5 Wiatr y+

Bazowy z mnożnikiem : 1.0000

Nr węzła	Odległość [m]	R-Y [kN]
45	0.0	-0.7026
46	0.6	-61.23
47	1.6	-0.7503
48	2.2	-0.6237
65	13.63	-61.8
66	14.23	-0.6864
67	15.23	-0.6432
68	15.83	-0.7653
85	30.92	0.5458
86	31.52	0.5108
87	32.52	2.125
88	33.12	2.06
89	36.52	-87.34
105	44.56	-1.161
106	45.16	-1.153
107	46.16	-1.853
108	46.76	-1.806

} -63,31

} -63,89

} 5,24 | -38,43

} -5,97 | -49,64

Data : 22- 4-1974

PRO-MES 4.0

Czas : 14:32:52

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej baughausu

P R Z E B I E G R E A K C J I Z

Liczba waznów do wykresu : 17

Bazowych wariantów obciażenia : 6

Wariant nr : 7 Wiatr y+

Bazowy z mnożnikiem : 1.0000

Nr wazna Odlegloski

R-Z

[m]

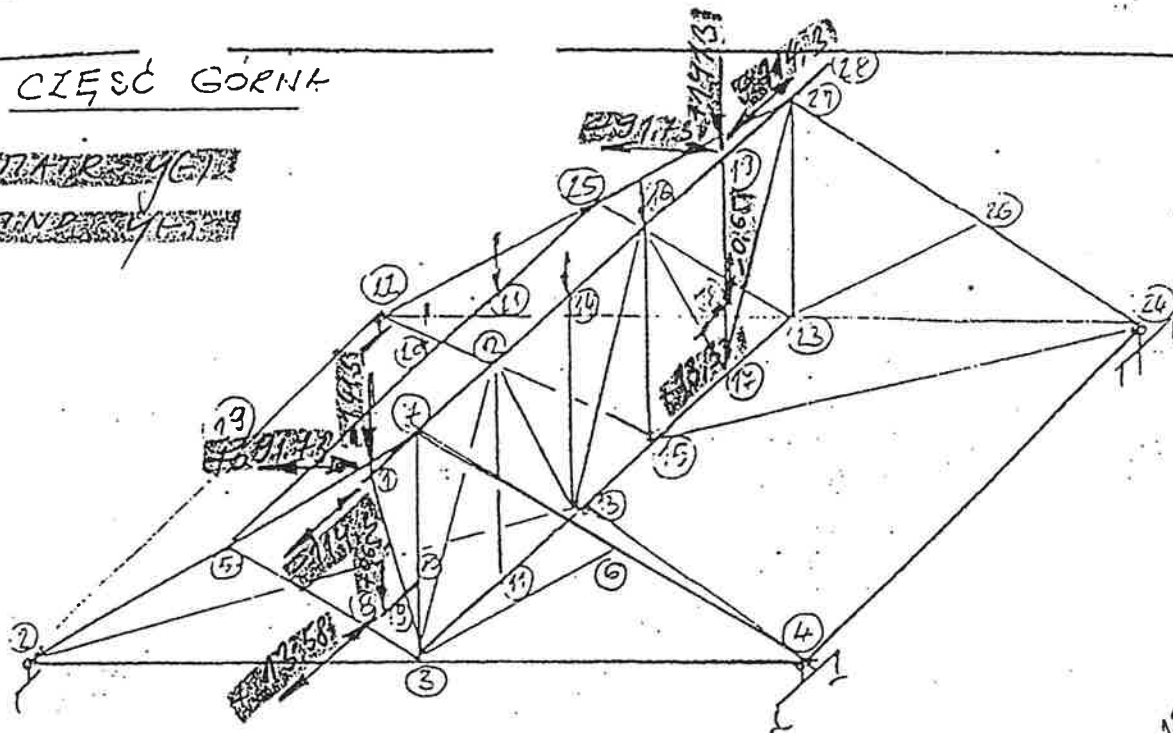
[kN]

45	0.0	39.86	} 54,41 } -113,11 / 85,52
46	0.6	17.55	
47	1.6	-93.77	
48	2.2	-76.75	
65	13.63	-15.19	} -51,63 } 112,79 / - 80,78
66	14.23	-36.44	
67	15.23	74.45	
68	15.83	89.97	
85	30.92	65.89	} 187,49 } -192,20 / 236,48
86	31.52	121.6	
87	32.52	-288.8	
88	33.12	-90.89	
89	36.52	77.07	} -193,58 } 114,82 / - 206,53
105	44.56	-112.	
106	45.16	-81.58	
107	46.16	125.6	
108	46.76	182.8	308,40

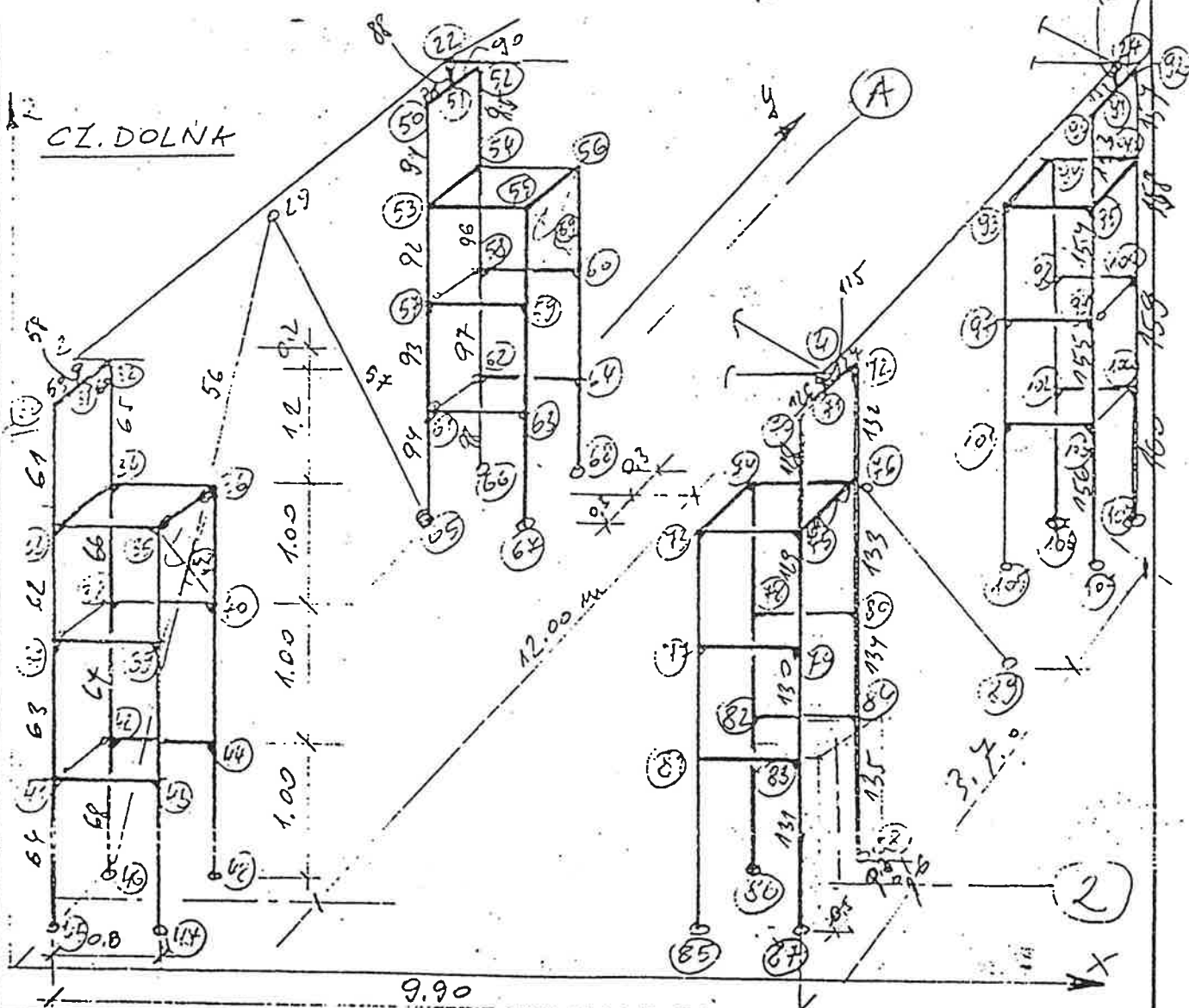
CIEŚĆ GÓRNA

WYK. 461

WYK. 461



CZ. DOLNA



PODPORA 1

Projektował	K. PRZYBYLSKI	klas. rys.	nr rys.	nr proj.
Kier. pracowni	T. PAZUR	podz. i l. 1		

ZMIANY

B.S.i.P. ENERGOPROJEKT w KATOWICACH

Data : 22-4-1994

PRO-MES 4.0

Czas : 14:24:23

Zadanie : WFR5

Y-

Komorany Dach Podpora 1 konstrukcji wsporczej baghausu

P R Z E B I E G R E A K C J I Z

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

Wariant nr : 8 Wiatr y-

Bazowy z mnożnikiem : 1.0000

Nr węzła Odległość

R-Z

[m]

[kN]

45	0.0	-39.87	} -57,43 } 113,11 / -85,53
46	0.6	-17.56	
47	1.6	93.78	
48	2.2	76.76	
65	13.63	15.2	} 51,65 } -112,79 / 80,80
66	14.23	36.45	
67	15.23	-74.46	
68	15.83	-89.98	
85	30.92	-65.9	} -187,50 } 192,21 / -236,79
86	31.52	-121.6	
87	32.52	288.8	
88	33.12	90.91	
89	36.52	-77.07	} 193,60 } -114,80 / 206,57
105	44.56	112.	
106	45.16	81.6	
107	46.16	-125.6	
108	46.76	-182.8	

Data : 22- 4-1994

PRO-MES 4.0

Czas : 14:23: 7

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej badhausu

P R Z E B I E G R E A K C J I X

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

Wariant nr : 8 Wiatr y-

Bazowy z mnożnikiem : 1.0000

Nr węzła	Odległość [m]	R-X [kN]	
45	0.0	-8.736	} -31,01
46	0.6	-8.737	
47	1.6	-6.753	
48	2.2	-6.782	
65	13.63	8.55	} 29,90
66	14.23	8.3	
67	15.23	6.632	
68	15.83	6.417	
85	30.92	-5.955	} -34,09
86	31.52	-9.125	
87	32.52	-7.239	
88	33.12	-11.77	
89	36.52	0.0	} 35,20
105	44.56	8.142	
106	45.16	7.366	
107	46.16	10.41	
108	46.76	9.282	

Data : 22- 4-1994

PRO-MES 4.0

Czas : 14:23:38

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej badhausu

P R Z E B I E G R E A K C J I Y

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

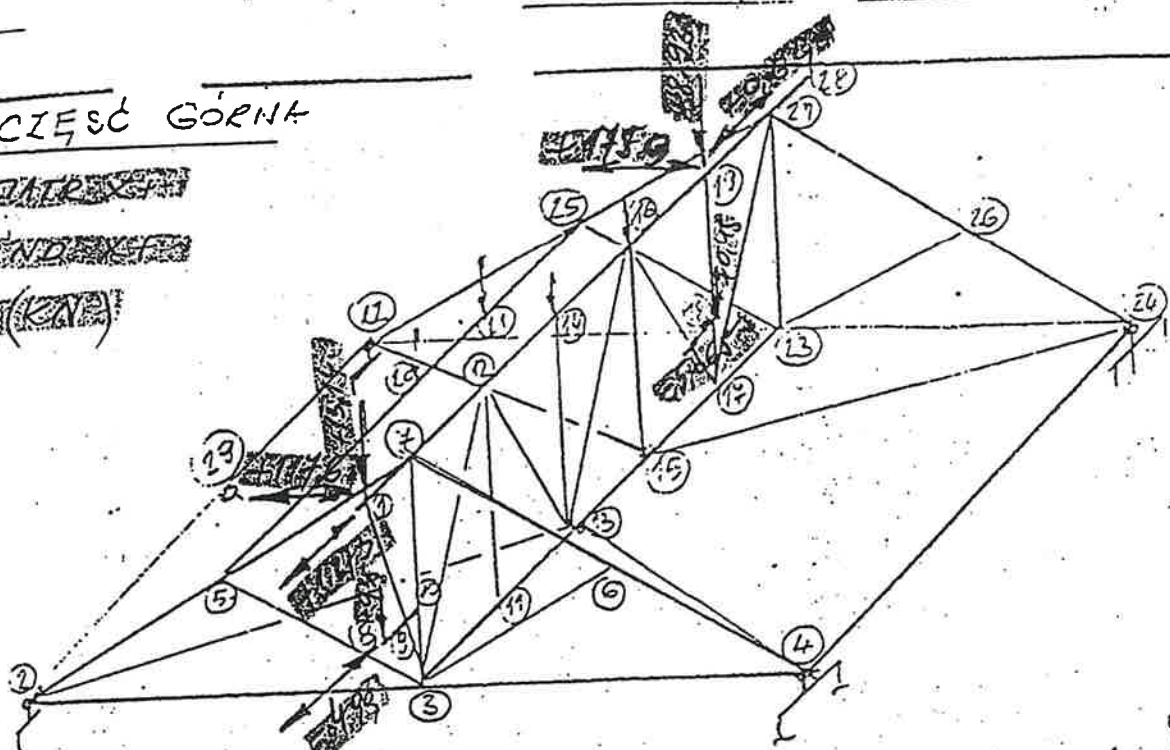
Wariant nr : 5 Wiatr y-

Bazowy z mnożnikiem : 1.0000

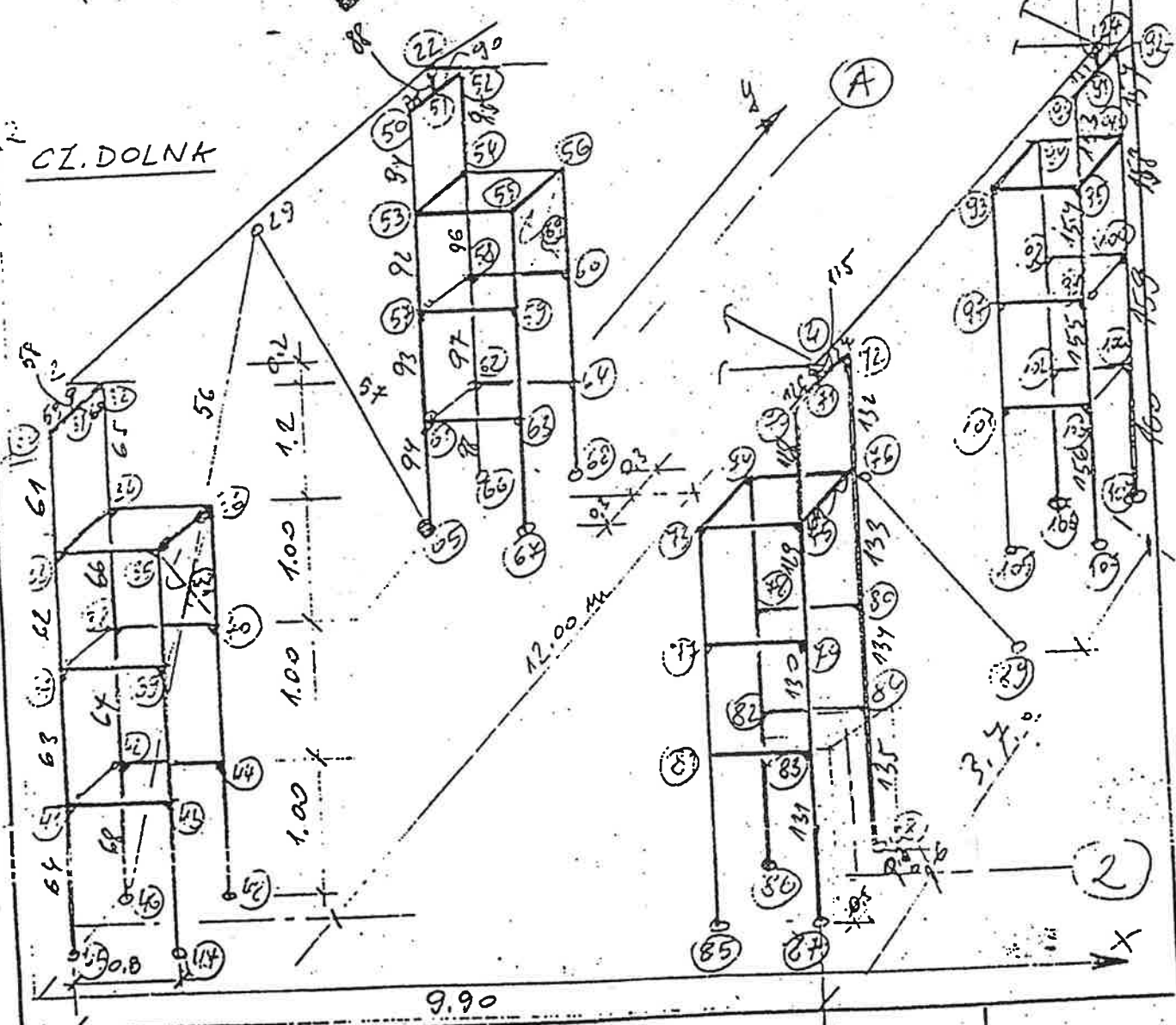
Nr węzła	Odległość [m]	R-Y [kN]	
45	0.0	0.7026	} 63,31
46	0.6	61.23	
47	1.6	0.7503	
48	2.2	0.6237	
65	13.63	61.8	} 63,89
66	14.23	0.6864	
67	15.23	0.6432	
68	15.83	0.7653	
85	30.92	-0.5458	} -5,24 38,42
86	31.52	-0.5108	
87	32.52	-2.125	
88	33.12	-2.06	
89	36.52	87.34	} 5,97 49,64
105	44.56	1.161	
106	45.16	1.153	
107	46.16	1.853	
108	46.76	1.806	

g.

(KAY)



CZ. DOLNA



PODPORA 1

Projektował	K. PIZYBYLSKI			klas. rys.	nr rys.	nr proj.
Kier. pracowni	T. PAZUR			podz. maza		

ZMIANY

pracowni T. P. 242 podzi. 112

B.S.i.P.E. "ENERGOPROJEKT" w KATOWICACH

PRO-MES 4.0

Czas : 14:45:20

Zadanie : WFR5

X +

Komorany Dach Podpora 1 konstrukcji wsporczej baghausu

PRZEBIEG REAKCJI X

Liczba wazkow do wykresu : 17

Wariant nr : 9 Wiatr x+

Bazowych wariantow obciazenia : 6

Bazowy z mnoznikiem : 1.0000

Nr wazka	Odleglosci	R-X
	[m]	[kN]
45	0.0	-21.86
46	0.6	-21.82
47	1.6	-17.08
48	2.2	-17.05
65	13.63	-19.43
66	14.23	-19.34
67	15.23	-15.18
68	15.83	-15.11
85	30.92	-17.03
86	31.52	-17.03
87	32.52	-21.81
88	33.12	-21.82
89	36.52	0.0
105	44.56	-15.11
106	45.16	-15.12
107	46.16	-19.35
108	46.76	-19.36

-77,81

-69,06

-77,69

-68,94

Data : 22- 4-1994

PRO-MES 4.0

Czas : 14:46:47

Zadanie : WFR5

Komorany Dach Podpora 1 konstrukcji wsporczej baghausu

PRZEBIEG REAKCJI Y

Liczba wazkow do wykresu : 17

Wariant nr : 5 Wiatr x+

Bazowych wariantow obciazenia : 6

Bazowy z mnoznikiem : 1.0000

Nr wazka	Odleglosci	R-Y
	[m]	[kN]
45	0.0	0.01975
46	0.6	2.21
47	1.6	0.1733
48	2.2	-0.1377
65	13.63	1.883
66	14.23	0.02922
67	15.23	0.1484
68	15.83	-0.1277
85	30.92	0.08744
86	31.52	0.116
87	32.52	0.1648
88	33.12	0.2139
89	36.52	-1.969
105	44.56	0.06388
106	45.16	0.07404
107	46.16	0.09415
108	46.76	0.1084

2,27

1,93

0,58 | -0,10

0,34 | -0,64

Komorany Dach Podpora 1 konstrukcji wsporczej baohausu

P R Z E B I E G R E A K C J I Z

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

Wariant nr : 5 Wiatr x+

Bazowy z mnożnikiem : 1.0000

Nr węzła	Odległości [m]	R-Z [kN]
45	0.0	-241.6
46	0.6	-240.4
47	1.6	214.4
48	2.2	213.6
65	13.63	-213.6
66	14.23	-212.2
67	15.23	190.4
68	15.83	189.4
85	30.92	-213.6
86	31.52	-214.3
87	32.52	232.6
88	33.12	232.8
89	36.52	1.737
105	44.56	-188.9
106	45.16	-190.3
107	46.16	210.4
108	46.76	206.8

Handwritten calculations and groupings:

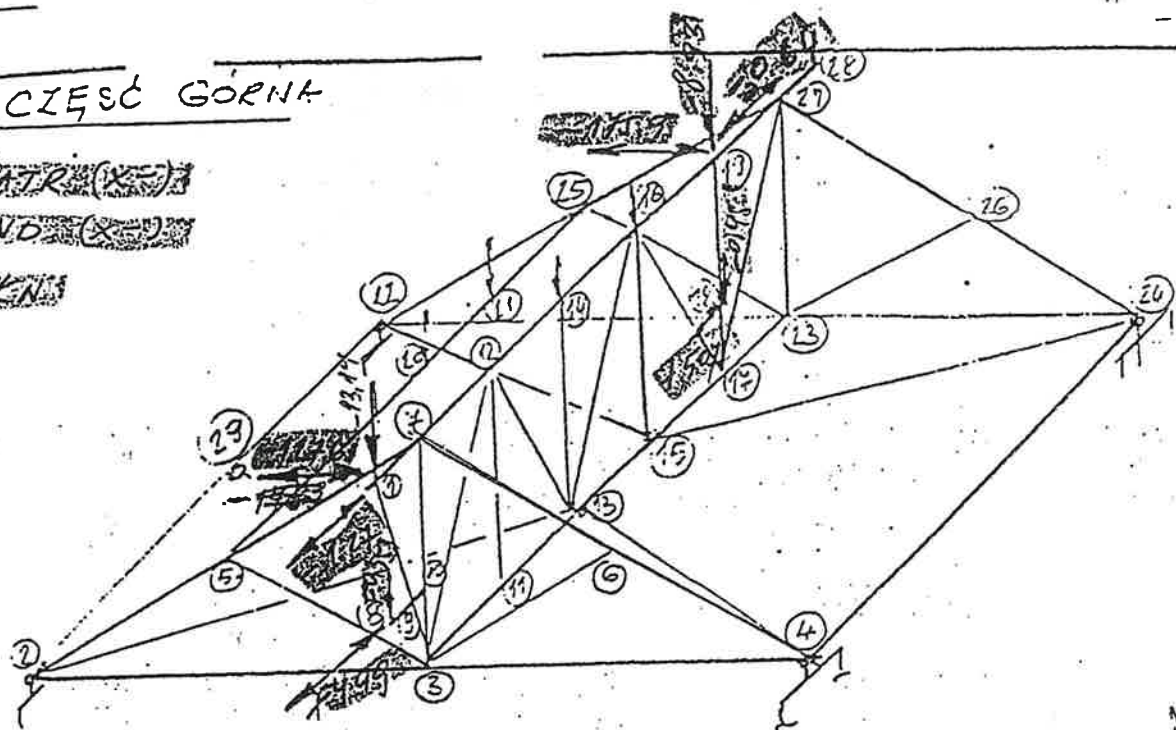
- For nodes 45-48: $\{-482,00\}$ and $\{428,00\}$ grouped with $-54,00 / -366,70$
- For nodes 65-68: $\{-425,80\}$ and $\{379,80\}$ grouped with $-46,00 / -324,54$
- For nodes 85-88: $\{-427,20\}$ and $\{465,40\}$ grouped with $38,10 / -358,90$
- For nodes 105-108: $\{-379,20\}$ and $\{417,20\}$ grouped with $38,00 / -201,46$

CIEŚĆ GÓRNA

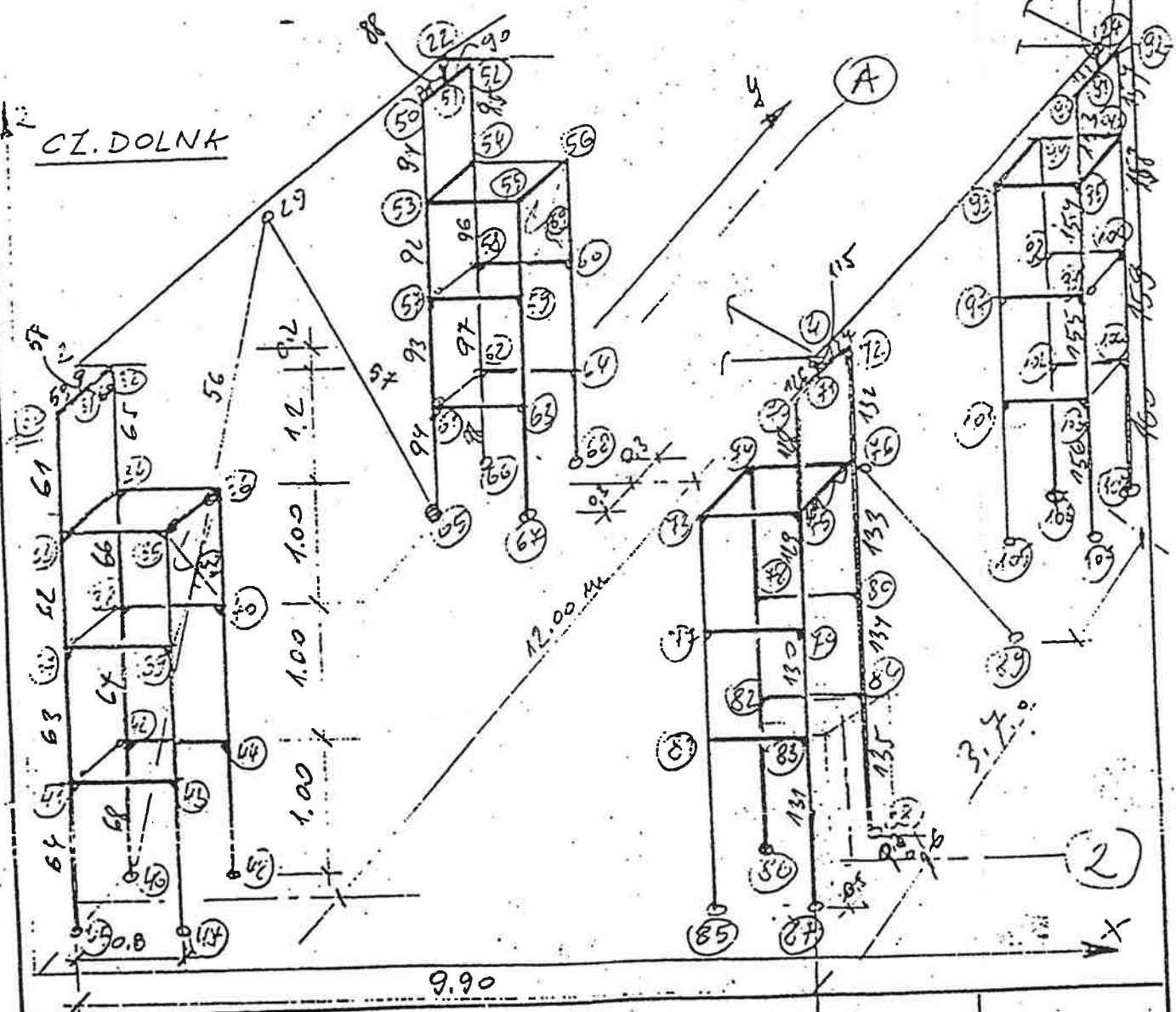
10 WIAETR (X-E)

WIND (X-E)

KN



CZ. DOLNA



PODPORA 1

Projektował	K. PRZYBYLSKI	klas. rys.	nr rys.	nr proj.
Kier. pracowni	T. PAZUR	podz. faza		
B. S. i P. F. ENERGOPROJEKT w KATOWICACH				

Data : 22- 4-1994

PRO-MES 4.0

Czas : 13: 0:

Zadanie : WPRS X-

Komorany Dach Podpora 1 konstrukcji wsporczej badhausu

PRZEBIEG REAKCJI X

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia :

Wariant nr : 10 wiatr x-

Bazowy z mnożnikiem : 1.000

Nr węzła	Odległość [m]	R-X [kN]
45	0.0	21.83
46	0.6	21.79
47	1.6	17.06
48	2.2	17.02
65	13.63	19.33
66	14.23	19.24
67	15.23	15.1
68	15.83	15.03
85	30.92	17.01
86	31.52	17.01
87	32.52	21.79
88	33.12	21.79
89	36.52	0.0
105	44.56	15.04
106	45.16	15.04
107	46.16	19.25
108	46.76	19.26

77,70

68,70

77,60

68,59

Data : 22- 4-1994

PRO-MES 4.0

Czas : 13: 1:2

Zadanie : WPRS

Komorany Dach Podpora 1 konstrukcji wsporczej badhausu

PRZEBIEG REAKCJI Y

Liczba węzłów do wykresu : 17

Bazowych wariantów obciążenia : 6

Wariant nr : 5 wiatr x-

Bazowy z mnożnikiem : 1.0000

Nr węzła	Odległość [m]	R-Y [kN]
45	0.0	-0.02004
46	0.6	-2.231
47	1.6	-0.1732
48	2.2	0.1373
65	13.63	-1.907
66	14.23	-0.02946
67	15.23	-0.1479
68	15.83	0.1269
85	30.92	-0.08772
86	31.52	-0.1163
87	32.52	-0.1657
88	33.12	-0.2148
89	36.52	2.012
105	44.56	-0.06335
106	45.16	-0.07345
107	46.16	-0.09314
108	46.76	-0.1073

-2,29

-1,96

-0,58 | 0,43

-0,34 | 0,67

Data : 22- 4-1994

PRO-MES 4.0

Czas : 13: 2

Zadanie : WFR5

Komorany Dach Podpora i konstrukcji wsporczej baghausu

PRZEBIEG REAKCJI Z

Liczba węzłów do wykresu : 17

Podstawowych wariantów obciążenia :

Wariant nr : 010 wiatr x-

Podstawowy z mnożnikiem : 1.00

Nr węzła	Odległość [m]	R-Z [kN]
45	0.0	241.3
46	0.6	240.1
47	1.6	-214.1
48	2.2	-213.3
65	13.63	212.6
66	14.23	211.2
67	15.23	-189.4
68	15.83	-188.5
85	30.92	212.8
86	31.52	214.
87	32.52	-232.2
88	33.12	-232.5
89	36.52	-1.775
105	44.56	188.
106	45.16	189.3
107	46.16	-209.3
108	46.76	-205.7

481,40 } 54,00 / 366,22
 -427,70 }
 423,80 } 45,90 / 322,93
 -377,90 }
 426,80 } -37,90 / 388,50
 -464,70 }
 377,90 } -37,90 / 310,61
 -415,00 }

ZATIZENI & PROGRAMU DEFOR

RADA AB - PROSTOROVY MODEL
(zatizeni)

1 - VLASTNI TIHA PRUTU

END

END

WEIGHT -Y G=-2

1 188 25.

END

2 - DALSI STALE

63	65	2S00210	-25.5		
51	0	2S00211	-17.5	.25	2.
53	0	2S00211	-17.5	.25	2.
52	0	2S00211	-17.5	2.5	4.25
54	0	2S00211	-17.5	2.5	4.25
55	0	2S00211	-7.5	.25	2.
61	0	2S00211	-7.5	.25	2.
56	0	2S00211	-7.5	2.5	4.25
62	0	2S00211	-7.5	2.5	4.25
57	0	2S00211	-20.	.25	2.
59	0	2S00211	-20.	.25	2.
58	0	2S00211	-20.	2.5	4.25
60	0	2S00211	-20.	2.5	4.25
99	0	2S00211	-15.6	.5	2.65
100	0	2S00211	-15.6	.35	3.83
101	0	2S00211	-15.6	.18	3.83
102	0	2S00211	-15.6	.18	3.65
103	0	2S00211	-15.6	.35	2.5
104	109	2S00210	-4.5		
104	109	2S00210	-.36		
110	115	2S00210	-16.74		
114	0	1S00200	-14.	1.	
174	0	2S00211	-26.69	.5	2.65
175	0	2S00211	-26.69	.35	3.83
176	0	2S00211	-26.69	.18	3.83
177	0	2S00211	-26.69	.18	3.65
178	0	2S00211	-26.69	.35	2.5
91	0	2S00211	-26.69	0.	.71
92	0	2S00211	-26.69	.35	3.83
93	0	2S00211	-26.69	.18	3.83
94	0	2S00211	-26.69	.18	3.65
95	0	2S00211	-26.69	.35	1.061
130	131	2S00221	-26.69	-11.13	0. 2.44
96	98	2S00210	-.4		
86	90	2S00210	-.63		
66	68	2S00210	-1.85		
161	0	2S00210	-1.85		
1	2	1S00200	-5.67	5.45	
138	0	1S00210	-8.31		
141	0	1S00210	-8.31		
142	143	1S00210	-9.38		
139	140	1S00210	-12.5		
181	182	1S00210	-12.5		
185	186	1S00210	-12.5		
31	0	2S00210	-7.5		
35	0	2S00210	-7.5		

39	40	2S00210	-6.5		
41	42	2S00210	-19.		
25	30	2S00211	-20.	.25	2.75
165	167	2S00211	-27.	.25	2.75
1	0	1S00200	-398.	5.5	
3	0	1S00200	-398.	5.5	
2	0	1S00200	-182.3	5.2	
4	0	1S00200	-182.3	5.2	

END

70	0	S002	-14.		
----	---	------	------	--	--

END

3 - UZITNE

55	56	2S00210	-7.5		
61	62	2S00210	-7.5		
51	54	2S00210	-17.5		
57	60	2S00210	-20.		
39	0	2S00210	-12.		
40	0	2S00210	-12.		
31	0	2S00210	-28.		
35	0	2S00210	-28.		
41	0	2S00210	-32.		
42	0	2S00210	-32.		
25	30	2S00210	-90.		
165	167	2S00210	-90.		
1	0	1S00200	-135.	5.2	
3	0	1S00200	-135.	5.2	
2	0	1S00200	-162.	5.2	
4	0	1S00200	-162.	5.2	
1	0	1S01300	-202.5	5.2	
3	0	1S01300	-202.5	5.2	

END

END

4 - REAKCE VAZNIKU

114	0	1S00200	-250.	1.	
114	0	1S01300	-62.5	1.	

END

70	0	S002	-250.		
70	0	S013	-62.5		

END

5 - ZAHLUVACI PASY

55	0	1S00200	-27.	3.	
61	0	1S00200	-27.	3.	
56	0	1S00200	-27.	1.5	
62	0	1S00200	-27.	1.5	
51	0	1S00200	-63.	3.	
53	0	1S00200	-63.	3.	
52	0	1S00200	-63.	1.5	
54	0	1S00200	-63.	1.5	
57	0	1S00200	-72.	3.	
59	0	1S00200	-72.	3.	
58	0	1S00200	-72.	1.5	
60	0	1S00200	-72.	1.5	

END

END

6 - OCELOVA CAST ZASOBNIKU

83	85	2S00210	-5.83		
78	80	2S00210	-5.83		

END

END

7 - UHLI SVISLY TLAK

99	99	2S00221	0.	-43.32	0.	1.5
103	103	2S00221	0.	-43.32	0.	1.5
99	99	2S00221	-43.32	0.	1.5	3.
103	103	2S00221	-43.32	0.	1.5	3.
101	102	2S00221	0.	-63.87	0.	2.
101	102	2S00221	-63.87	0.	2.	4.
138	138	2S00221	0.	-73.58	0.	1.01
141	141	2S00221	0.	-73.58	0.	1.01
138	0	2S00221	-73.58	-57.11	1.01	2.53
141	0	2S00221	-73.58	-57.11	1.01	2.53
138	0	2S00221	-57.11	0.	2.53	5.029
141	0	2S00221	-57.11	0.	2.53	5.029
142	143	2S00221	0.	-73.58	0.	6.07
142	143	2S00221	-73.58	-57.11	6.07	7.59
142	143	2S00221	-57.11	0.	7.59	10.12
142	143	2S00221	0.	-137.16	0.	3.37
142	143	2S00221	-137.16	-88.38	3.37	6.75
142	143	2S00221	-88.38	0.	6.75	10.12
185	186	2S00221	-146.42	-274.32	0.	1.57
185	186	2S00221	-274.32	-230.03	1.57	3.104
139	140	2S00221	-230.03	-176.76	0.	1.842
139	140	2S00221	-176.76	0.	1.842	5.215
181	182	2S00221	0.	-146.42	0.	1.801
126	127	2S00221	0.	-81.81	0.	.36
126	127	2S00221	-81.81	-146.61	.36	1.89
126	127	2S00221	-146.61	-110.97	1.89	5.08
126	127	2S00221	-110.97	0.	5.08	5.91
83	0	2S00221	0.	-161.67	0.	2.
85	0	2S00221	0.	-161.67	0.	2.
84	0	2S00221	-93.06	-254.73	0.	2.
83	0	2S00221	-161.67	0.	2.	4.
85	0	2S00221	-161.67	0.	2.	4.
84	0	2S00221	-254.73	-93.06	2.	4.
83	0	2S00221	0.	-93.06	0.	1.
83	0	2S00221	-93.06	-93.06	1.	4.
85	0	2S00221	-93.06	-93.06	0.	3.
85	0	2S00221	-93.06	0.	3.	4.
78	0	2S00221	0.	-43.2	0.	.5
80	0	2S00221	0.	-43.2	0.	.5
78	0	2S00221	-43.2	-43.2	.5	3.5
80	0	2S00221	-43.2	-43.2	.5	3.5
78	0	2S00221	-43.2	0.	3.5	4.
80	0	2S00221	-43.2	0.	3.5	4.
78	0	2S00221	0.	-93.06	0.	1.
78	0	2S00221	-93.06	-93.06	1.	4.
80	0	2S00221	-93.06	-93.06	0.	3.
80	0	2S00221	-93.06	0.	3.	4.
79	0	2S00221	-93.06	-136.26	0.	.5
79	0	2S00221	-136.26	-136.26	.5	3.5
79	0	2S00221	-136.26	-93.06	3.5	4.
134	137	2S00221	0.	-86.4	0.	.88
134	137	2S00221	-86.4	0.	.88	1.761
128	0	2S00221	0.	-125.55	0.	1.19
128	0	2S00221	-125.55	-154.44	1.19	3.05
128	0	2S00221	-154.44	0.	3.05	5.08
129	0	2S00221	0.	-154.44	0.	2.03
129	0	2S00221	-154.44	-125.55	2.03	3.89
129	0	2S00221	-125.55	0.	3.89	5.08
32	0	2S00221	0.	-93.06	0.	1.

36	0	2S00221	0.	-93.06	0.	1.
33	0	2S00221	-93.06	0.	0.	1.
37	0	2S00221	-93.06	0.	0.	1.
32	33	2S00221	0.	-65.14	0.	.5
36	37	2S00221	0.	-65.14	0.	.5
32	33	2S00221	-65.14	0.	.5	1.
36	37	2S00221	-65.14	0.	.5	1.
46	0	2S00221	0.	-73.44	0.	2.9
49	0	2S00221	0.	-73.44	0.	2.9
46	0	2S00221	-73.44	0.	2.9	4.019
49	0	2S00221	-73.44	0.	2.9	4.019
47	0	2S00221	0.	-61.2	0.	1.
50	0	2S00221	0.	-61.2	0.	1.
47	0	2S00221	-61.2	0.	1.	2.
50	0	2S00221	-61.2	0.	1.	2.
131	0	2S00221	0.	-74.7	0.	.85
131	0	2S00221	-74.7	-67.5	.85	1.69
131	0	2S00221	-67.5	0.	1.69	3.284
130	0	2S00221	0.	-67.5	0.	1.59
130	0	2S00221	-67.5	-74.7	1.59	2.43
130	0	2S00221	-74.7	0.	2.43	3.284
132	0	2S00221	0.	-78.66	0.	.41
132	0	2S00221	-78.66	-63.63	.41	1.64
132	0	2S00221	-63.63	0.	1.64	2.056
133	0	2S00221	0.	-63.63	0.	.41
133	0	2S00221	-63.63	-78.66	.41	1.64
133	0	2S00221	-78.66	0.	1.64	2.056
91	0	2S00221	0.	-24.3	0.	.8
91	0	2S00221	-24.3	0.	.8	1.061
95	0	2S00221	0.	-24.3	0.	.261
95	0	2S00221	-24.3	0.	.261	1.061

END

END

8 - UHLI VODOROVNY TLAK

148	149	2S00121	-10.35	0.	0.	2.19
11	0	2S00121	-24.14	0.	0.	2.19
16	0	2S00121	-24.14	0.	0.	2.19
150	151	2S00121	-27.60	0.	0.	2.19
138	0	2S00121	-29.49	-10.35	0.	5.029
141	0	2S00121	-29.49	-10.35	0.	5.029
142	143	2S00121	-114.	-24.14	0.	10.12
185	186	2S00121	-112.01	-80.51	0.	3.104
139	140	2S00121	-80.51	-27.60	0.	5.215
181	182	2S00121	-130.28	-112.01	0.	1.801
144	145	2S00121	17.72	0.	0.	3.75
172	173	2S00121	29.49	17.72	0.	2.49
13	0	2S00121	41.34	0.	0.	3.75
18	0	2S00121	41.34	0.	0.	3.75
168	169	2S00121	98.01	41.34	0.	5.14
152	153	2S00121	47.25	0.	0.	3.75
170	171	2S00121	112.01	47.25	0.	5.14
134	0	2S00121	81.43	70.01	0.	1.761
137	0	2S00121	81.43	70.01	0.	1.761
135	136	2S00121	130.28	112.01	0.	1.761
149	0	2S00321	31.04	0.	0.	2.19
148	0	2S00321	-31.04	0.	0.	2.19
145	0	2S00321	46.33	31.04	0.	1.56
145	0	2S00321	31.04	0.	1.56	3.75
144	0	2S00321	-31.04	0.	1.56	3.75
144	0	2S00321	-46.33	-31.04	0.	1.56

173	0	2S00321	58.97	46.33	0.	2.49
172	0	2S00321	-58.97	-46.33	0.	2.49
141	0	2S00321	58.97	31.04	0.	5.029
138	0	2S00321	-58.97	-31.04	0.	5.029
129	0	2S00321	32.57	58.97	0.	5.08
128	0	2S00321	-32.57	-58.97	0.	5.08
131	0	2S00321	28.	19.66	0.	3.284
130	0	2S00321	-28.	-19.66	0.	3.284
133	0	2S00321	16.29	28.	0.	2.056
132	0	2S00321	-16.29	-28.	0.	2.056

END

END

9 - VITR

19	0	2S00110	7.98			
21	0	2S00110	7.98			
23	0	2S00110	7.98			
148	149	2S00110	1.94			
11	0	2S00110	4.52			
16	0	2S00110	4.52			
150	151	2S00110	5.16			
154	155	2S00110	1.86			
10	0	2S00110	9.3			
15	0	2S00110	9.3			
146	147	2S00110	1.83			
9	0	2S00110	10.62			
14	0	2S00110	10.62			
5	0	2S00110	9.27			
7	0	2S00110	9.27			
1	0	2S00111	9.	1.9	7.95	
3	0	2S00111	9.	1.9	7.95	

END

END

10 - Y+

END

68	0	S001	-75.03			
70	0	S001	-58.56			
79	0	S001	51.61			
81	0	S001	68.38			
68	0	S003	70.20			
70	0	S003	39.30			
79	0	S003	80.20			
81	0	S003	49.56			
68	0	S002	-898.50			
70	0	S002	-765.70			
79	0	S002	-751.20			
81	0	S002	-808.2			
68	0	S013	730.00			
70	0	S013	-82.41			
79	0	S013	138.44			
81	0	S013	-660.01			

END

11 - Y-

END

68	0	S001	-13.2			
70	0	S001	9.53			
79	0	S001	-5.63			
81	0	S001	-.31			
68	0	S003	-74.8			
70	0	S003	-50.07			
79	0	S003	-65.8			

81	0	S003	-65.85
68	0	S002	-1138.84
70	0	S002	-1176.5
79	0	S002	-550.25
81	0	S002	-578.3
68	0	S013	566.05
70	0	S013	-566.86
79	0	S013	267.89
81	0	S013	-254.63

END

12 - X+

END

68	0	S001	40.62
70	0	S001	60.22
79	0	S001	107.32
81	0	S001	118.22
68	0	S003	-6.55
70	0	S003	-3.30
79	0	S003	3.30
81	0	S003	-5.26
68	0	S002	-961.90
70	0	S002	-1009.2
79	0	S002	-618.50
81	0	S002	-735.5
68	0	S013	249.74
70	0	S013	-714.54
79	0	S013	-198.14
81	0	S013	-846.66

END

13 - X-

END

68	0	S001	-123.49
70	0	S001	-103.84
79	0	S001	-55.12
81	0	S001	-43.93
68	0	S003	1.98
70	0	S003	-7.54
79	0	S003	11.19
81	0	S003	-11.06
68	0	S002	-1073.30
70	0	S002	-937.60
79	0	S002	-720.00
81	0	S002	-655.9
68	0	S013	1021.87
70	0	S013	39.52
79	0	S013	562.08
81	0	S013	-97.32

END

DATA

URČENÍ VNITŘNÍCH SIL

RADA AB - PROSTOROVÝ MODEL

SUPERPOSICE ZATEZOVACÍCH STAVŮ - POPIS KOMBINACÍ

NAZEV :

KOMB-KOMBINACE 1 - 1.1*STALE

Císlo kombinace: 1

POPIS SUPERPOSICI ZATEZOVACÍCH STAVŮ

ZAT. STAVY	1	2	3	4	5	6	7	8	9	10
SKUPINY :	0	0	1	0	0	0	2	3	4	5
KOEFICIENTY:	1.1	1.1	1.2	1.1	1.2	1.2	1.4	1.4	1.2	1.
ZAT. STAVY	11	12	13							
SKUPINY :	5	5	5							
KOEFICIENTY:	1.	1.	1.							

NAZEV :

KOMB-KOMBINACE 2 - 0.9*STALE

Císlo kombinace: 2

POPIS SUPERPOSICI ZATEZOVACÍCH STAVŮ

ZAT. STAVY	1	2	3	4	5	6	7	8	9	10
SKUPINY :	0	0	1	0	0	0	2	3	4	5
KOEFICIENTY:	.9	.9	1.2	.9	.9	.9	1.4	1.4	1.2	1.
ZAT. STAVY	11	12	13							
SKUPINY :	5	5	5							
KOEFICIENTY:	1.	1.	1.							

SEZNAM ZATEZOVACÍCH STAVŮ

- 1 - VLASTNÍ TIHA PRUTU
- 2 - DALŠÍ STALE
- 3 - UŽITNÉ
- 4 - REAKCE VÁZNIKU
- 5 - ZAUKLOVACÍ PASY
- 6 - OCELOVÁ ČASŤ ZASOBNÍKU
- 7 - UHLÍ SVISLÝ TLAK
- 8 - UHLÍ VODOROVNÝ TLAK
- 9 - VÍTR
- 10 - Y+
- 11 - Y-
- 12 - X+
- 13 - X-

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

str.

DEFOR plus V93 (c) FEM consulting Brno 15/10 1993
13. kveten 1994 (09:55)
RADA AB - PROSTOROVY MODEL

list 1

KOMB-KOMBINACE 1 - 1.1*STALE

SUPER-PRUTY 1,3

Seznam vyhodnocovanych prutu:

1 -1, 3 -3

VNITRNI SILY V PRUTECH (kN, kNm)																
		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace								
PRUT	3	max N-x														
x=	7.95	-4019.18	78.63	-19.00	.34	-101.65	256.10	1	2	4	5	6	8	9		
PRUT	1	min N-x														
x=	.00	-11456.63	-181.63	60.97	1.30	-158.00	592.63	1	2	3	4	5	6	7	13	
PRUT	1	max M-y														
x=	7.95	-5943.55	-157.23	66.13	1.46	355.08	-597.82	1	2	3	4	5	6	8		
PRUT	3	min M-y														
x=	7.95	-6592.35	-152.67	-46.63	.37	-249.58	-586.14	1	2	3	4	5	6	8	11	
PRUT	1	max M-z														
x=	.00	-8457.40	-239.31	65.58	1.81	-169.06	810.84	1	2	3	4	5	6	8	13	
PRUT	3	min M-z														
x=	.00	-7944.12	288.10	-15.90	.10	41.39	-1322.65	1	2	4	5	6	7	9	12	

KOMB-KOMBINACE 1 - 1.1*STALE

SUPER-PRUTY 2,4

Seznam vyhodnocovanych prutu:

2 -2, 4 -4

VNITRNI SILY V PRUTECH (kN, kNm)		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace											
PRUT	4	max N-x																	
x=	7.95	-5008.97	37.36	-13.42	-1.47	-71.85	195.21	1	2	4	5	6							
PRUT	2	min N-x																	
x=	.00	-13175.09	323.00	44.42	11.91	-120.74	-1371.38	1	2	3	4	5	6	7	8	9	12		
PRUT	2	max M-y																	
x=	7.95	-6243.41	116.04	60.91	3.96	325.02	597.00	1	2	3	4	5	6						
PRUT	4	min M-y																	
x=	7.95	-6380.33	18.21	-44.89	.08	-240.61	304.86	1	2	3	4	5	6	8	13				
PRUT	4	max M-z																	
x=	7.95	-8136.46	389.79	-43.07	-1.29	-230.70	1484.81	1	2	3	4	5	6	9	12				

PRUT	4						min M-2											
x=	.00	-8815.60	389.79	-43.07	-1.29	111.68	-1614.03	1	2	3	4	5	6	9	12			

KOMB-KOMBINACE 1 - 1.1*STALE SUPER-PRUTY 5,7

Seznam vyhodnocovaných prutu:

5 -5, 7 -7

VNITRNI SILY' V PRUTECH (kN, kNm)		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace									
PRUT	7	max N-x															
x=	10.60	-3202.16	-16.08	-29.54	1.09	-170.97	110.67	1	2	4	5	6	8	9			
PRUT	5	min N-x															
x=	.00	-9033.64	-313.97	74.27	17.42	-377.81	1432.27	1	2	3	4	5	6	7	13		
PRUT	5					max M-y											
x=	10.60	-6838.93	-160.25	76.44	15.08	422.25	-829.12	1	2	3	4	5	6	7	9		
PRUT	7					min M-y											
x=	10.60	-7930.78	-226.79	-67.42	-3.38	-390.98	-1419.51	1	2	3	4	5	6	7	11		
PRUT	5						max M-z										
x=	.00	-8932.20	-332.20	72.92	21.83	-372.74	1537.57	1	2	3	4	5	6	7	8	13	
PRUT	5						min M-z										
x=	10.60	-8553.25	-332.20	72.92	21.83	400.18	-1983.77	1	2	3	4	5	6	7	8	13	

KOMB-KOMBINACE 1 - 1.1*STALE SUPER-PRUTY 6,8

Seznam vyhodnocovaných prutu:

6 -6, 8 -8

VNITRNI SILY V PRUTECH (kN, kNm)		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace											
PRUT	8	max N-x																	
x=	10.60	-3978.99	79.47	-51.04	-21.94	-326.51	499.94	1	2	4	5	6							
PRUT	6	min N-x																	
x=	.00	-10762.42	401.61	132.24	77.86	-607.09	-1805.60	1	2	3	4	5	6	7	8	9	12		
PRUT	6	max M-y																	
x=	10.60	-9698.45	309.45	133.04	77.34	798.04	1936.15	1	2	3	4	5	6	7	8	9	10		
PRUT	8	min M-y																	
x=	10.60	-9359.94	374.50	-118.30	-46.17	-758.78	2347.61	1	2	3	4	5	6	7	9	11			
PRUT	8	max M-z																	
x=	10.60	-9948.40	465.98	-117.28	-44.94	-754.50	2860.06	1	2	3	4	5	6	7	9	12			
PRUT	8	min M-z.																	
x=	.00	-10327.35	465.98	-117.28	-44.94	488.62	-2079.36	1	2	3	4	5	6	7	9	12			

KOMB-KOMBINACE 1 - 1.1*STALE

SUPER-PRUTY 9,10,11,14,15,16

Seznam vyhodnocovanych prutu:

9 -11, 14 -16

VNITRNI SILY V PRUTECH (kN, kNm)																	
		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace									
PRUT	16	max N-x															
x=	3.58	-774.72	136.66	-129.53	-21.24	-233.31	15.69	1	2	4	5	6	8	9			
PRUT	9	min N-x															
x=	.00	-5778.25	-199.16	67.05	24.38	-216.37	661.63	1	2	3	4	5	6	7	13		
PRUT	16	max M-y															
x=	.00	-2067.00	-230.73	-377.67	-83.22	678.68	620.65	1	2	3	4	5	6	7	13		
PRUT	16	min M-y															
x=	3.58	-1998.09	-230.73	-377.67	-83.22	-673.37	-205.36	1	2	3	4	5	6	7	13		
PRUT	14	max M-z															
x=	.00	-4590.87	-282.08	-46.14	-15.25	159.80	865.83	1	2	3	4	5	6	7	8	12	
PRUT	10	min M-z															
x=	3.25	-4132.04	-239.78	127.65	-141.96	334.67	-845.06	1	2	3	4	5	6	7	8	9	12

KOMB-KOMBINACE 1 - 1.1*STALE

SUPER-PRUTY 12,13,17,18,168,169

Seznam vyhodnocovanych prutu:

12 -13, 17 -18, 168 -169

VNITRNI SILY V PRUTECH (kN, kNm)																	
		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace									
PRUT	18	max N-x															
x=	5.14	-1000.21	55.63	-67.48	6.76	-234.84	316.58	1	2	4	5	6					
PRUT	12	min N-x															
x=	.00	-6308.87	-31.39	467.88	-22.41	-118.10	-472.42	1	2	3	4	5	6	7	8	9	12
PRUT	169	max M-y															
x=	.00	-2667.41	595.25	-161.85	5.48	585.17	-1417.30	1	2	3	4	5	6	7	8	9	12
PRUT	168	min M-y															
x=	.00	-3301.34	584.48	179.38	-9.37	-608.15	-1377.11	1	2	3	4	5	6	7	8	9	12
PRUT	18	max M-z															
x=	5.14	-1453.60	155.18	-122.23	12.96	-426.20	719.30	1	2	3	4	5	6	7	9		
PRUT	168	min M-z															
x=	.00	-2329.12	611.02	175.30	-8.44	-595.07	-1442.49	1	2	3	4	5	6	7	8	9	

KOMB-KOMBINACE 2 - 0.9*STALE

SUPER-PRUTY 1,3

Seznam vyhodnocovanych prutu:

1 -1, 3 -3

VNITRNI SILY V PRUTECH (kN, kNm)									
			N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace
PRUT	3	max N-x							
x=	7.95	-3145.13	84.61	-15.58	.33	-83.33	289.33		1 2 4 5 6 8 9
PRUT	1	min N-x							
x=	.00	-10454.60	-175.04	56.38	1.27	-146.09	575.35		1 2 3 4 5 6 7 13
PRUT	1	max M-y							
x=	7.95	-5073.93	-150.64	61.54	1.42	330.53	-562.69		1 2 3 4 5 6 8
PRUT	3	min M-y							
x=	7.95	-5718.30	-146.69	-43.21	.36	-231.27	-552.91		1 2 3 4 5 6 8 11
PRUT	3	max M-z							
x=	7.95	-6348.06	223.74	-12.48	.09	-66.70	803.35		1 2 4 5 6 7 9 12
PRUT	3	min M-z							
x=	.00	-6938.80	294.08	-12.48	.09	32.50	-1336.94		1 2 4 5 6 7 9 12

KOMB-KOMBINACE 2 - 0.9*STALE SUPER-PRUTY 2,4

Seznam vyhodnocovanych prutu:

2 -2, 4 -4

VNITRNI SILY V PRUTECH (kN, kNm)									
			N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace
PRUT	4	max N-x							
x=	7.95	-4080.55	30.58	-11.03	-1.19	-59.07	159.82		1 2 4 5 6
PRUT	2	min N-x							
x=	.00	-12141.60	317.22	41.28	11.03	-112.17	-1356.78		1 2 3 4 5 6 7 8 9 12
PRUT	2	max M-y							
x=	7.95	-5299.19	110.26	57.76	3.08	308.60	565.60		1 2 3 4 5 6
PRUT	4	min M-y							
x=	7.95	-5451.91	11.42	-42.50	.36	-227.83	269.48		1 2 3 4 5 6 8 13
PRUT	4	max M-z							
x=	7.95	-7208.04	383.01	-40.68	-1.01	-217.91	1449.43		1 2 3 4 5 6 9 12
PRUT	4	min M-z							
x=	.00	-7799.05	383.01	-40.68	-1.01	105.48	-1595.48		1 2 3 4 5 6 9 12

KOMB-KOMBINACE 2 - 0.9*STALE SUPER-PRUTY 5,7

Seznam vyhodnocovanych prutu:

5 5, 7 -7

VNITRNI SILY V PRUTECH (kN, kNm)									
			N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace

PRUT	7	max N-x																
x=	10.60	-2520.65	-2.46	-24.10	1.22	-139.28	193.63	1	2	4	5	6	8	9				

PRUT	5	min N-x																
x=	.00	-8286.25	-299.47	68.42	16.50	-348.45	1367.17	1	2	3	4	5	6	7	13			

PRUT	5					max M-y												
x=	10.60	-6160.44	-145.76	70.59	14.16	389.62	-740.55	1	2	3	4	5	6	7	9			

PRUT	7					min M-y												
x=	10.60	-7249.28	-213.17	-61.98	-3.25	-359.30	-1336.55	1	2	3	4	5	6	7	11			

PRUT	5					max M-z												
x=	.00	-8184.81	-317.71	67.07	20.91	-343.37	1472.47	1	2	3	4	5	6	7	8	13		

PRUT	5					min M-z												
x=	10.60	-7874.76	-317.71	67.07	20.91	367.55	-1895.20	1	2	3	4	5	6	7	8	13		

KOMB-KOMBINACE 2 - 0.9*STALE SUPER-PRUTY 6,8

Seznam vyhodnocovanych prutu:

6 -6, 8 -8

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace
PRUT	8	max N-x						
x=	10.60	-3237.83	64.95	-41.54	-17.83	-265.54	408.56	1 2 4 5 6
PRUT	6	min N-x						
x=	.00	-9932.83	388.02	122.14	72.02	-562.25	-1747.81	1 2 3 4 5 6 7 8 9 12
PRUT	6					max M-y		
x=	10.60	-8937.76	295.86	122.95	71.50	735.85	1849.85	1 2 3 4 5 6 7 8 9 10
PRUT	8					min M-y		
x=	10.60	-8618.79	359.98	-108.80	-42.07	-697.81	2256.23	1 2 3 4 5 6 7 9 11
PRUT	8					max M-z		
x=	10.60	-9207.24	451.46	-107.78	-40.84	-693.53	2768.67	1 2 3 4 5 6 7 9 12
PRUT	8					min M-z		
x=	.00	-9517.29	451.46	-107.78	-40.84	448.92	-2016.84	1 2 3 4 5 6 7 9 12

KOMB-KOMBINACE 2 - 0.9*STALE SUPER-PRUTY 9,10,11,14,15,16

Seznam vyhodnocovanych prutu:

9 -11, 14 -16

VNITRNI SILY V PRUTECH (kN, kNm)

		N-x	Q-y	Q-z	M-x	M-y	M-z	Kombinace
PRUT	16	max N-x						
x=	3.58	-616.39	151.82	-100.99	-16.01	-182.13	72.08	1 2 4 5 6 8 9

PRUT 9 min N-x
x= .00 -5308.20 -188.36 59.91 24.73 -196.31 619.45 1 2 3 4 5 6 7 13

PRUT 16 max M-y
x= .00 -1896.14 -215.57 -349.13 -77.99 627.68 622.78 1 2 3 4 5 6 7 13

PRUT 16 min M-y
x= 3.58 -1839.76 -215.57 -349.13 -77.99 -622.20 -148.97 1 2 3 4 5 6 7 13

PRUT 14 max M-z
x= .00 -4127.31 -270.73 -40.93 -15.32 144.23 822.41 1 2 3 4 5 6 7 8 12

PRUT 10 min M-z
x= 3.25 -3746.39 -231.37 111.22 -134.89 298.64 -817.12 1 2 3 4 5 6 7 8 9 12

KOMB-KOMBINACE 2 - 0.9*STALE SUPER-PRUTY 12,13,17,18,168,169

Seznam vyhodnocovanych prutu:
12 -13, 17 -18, 168 -169

VNITRNI SILY V PRUTECH (kN, kNm)

N-x Q-y Q-z M-x M-y M-z Kombinace

PRUT 18 max N-x
x= 5.14 -810.78 44.30 -54.89 5.46 -191.04 250.81 1 2 4 5 6

PRUT 12 min N-x
x= .00 -5817.37 -33.34 426.11 -22.27 -109.31 -441.29 1 2 3 4 5 6 7 8 9 12

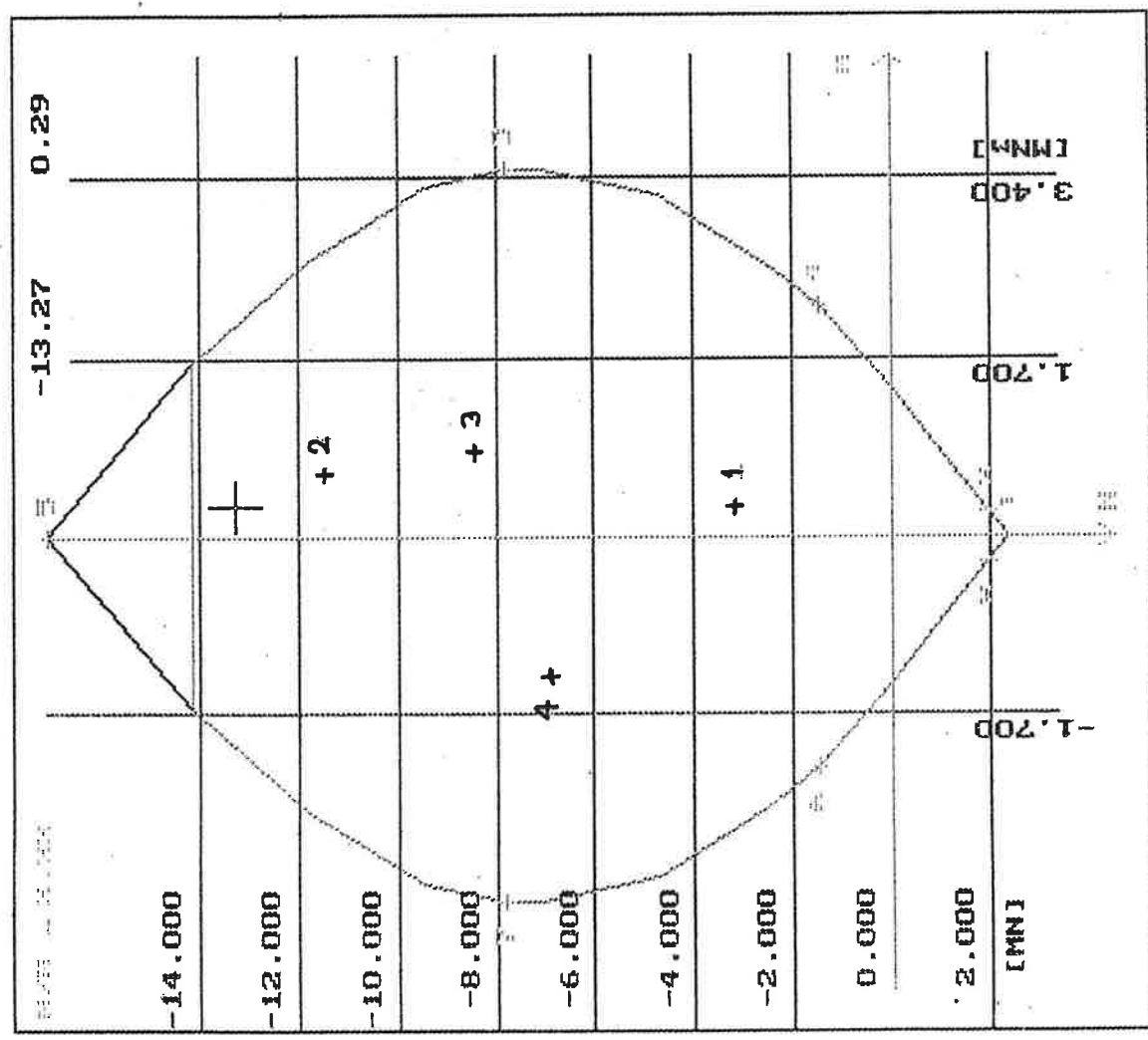
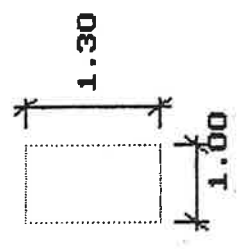
PRUT 169 max M-y
x= .00 -2411.75 584.90 -147.82 3.95 534.77 -1371.41 1 2 3 4 5 6 7 8 9 12

PRUT 168 min M-y
x= .00 -3005.26 574.34 164.36 -7.25 -556.57 -1331.60 1 2 3 4 5 6 7 8 9 12

PRUT 18 max M-z
x= 5.14 -1264.17 143.85 -109.65 11.65 -382.40 653.52 1 2 3 4 5 6 7 9

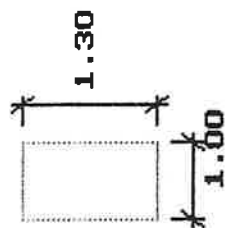
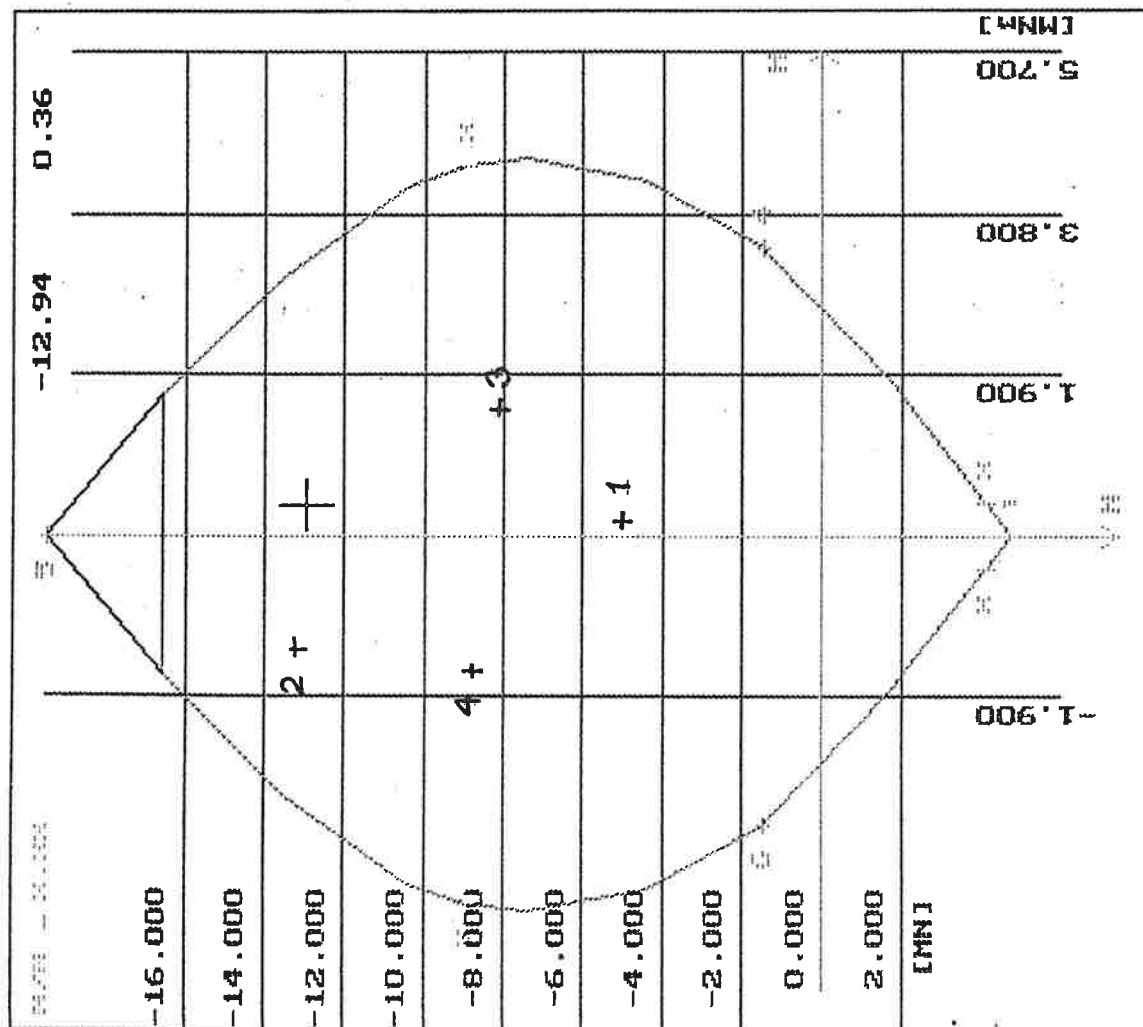
PRUT 168 min M-z
x= .00 -2033.03 600.88 160.28 -6.32 -543.48 -1396.99 1 2 3 4 5 6 7 8 9

Y-I' - pcr: ①③

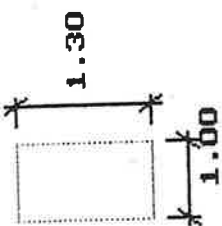


As1: 6365.3 As2: 6365.3	
1	0.0000 2.3830
2	0.2421 1.9761
3	3.4906 -7.7960
4	2.1974 -1.4950
5	0.0000 -17.111
6	-2.1974 -1.4950
7	-3.4906 -7.7960
8	-0.2421 1.9761
1	0.2893 -3.1451
2	0.5926 -11.456
3	0.8108 -8.4574
4	-1.3369 -6.9388

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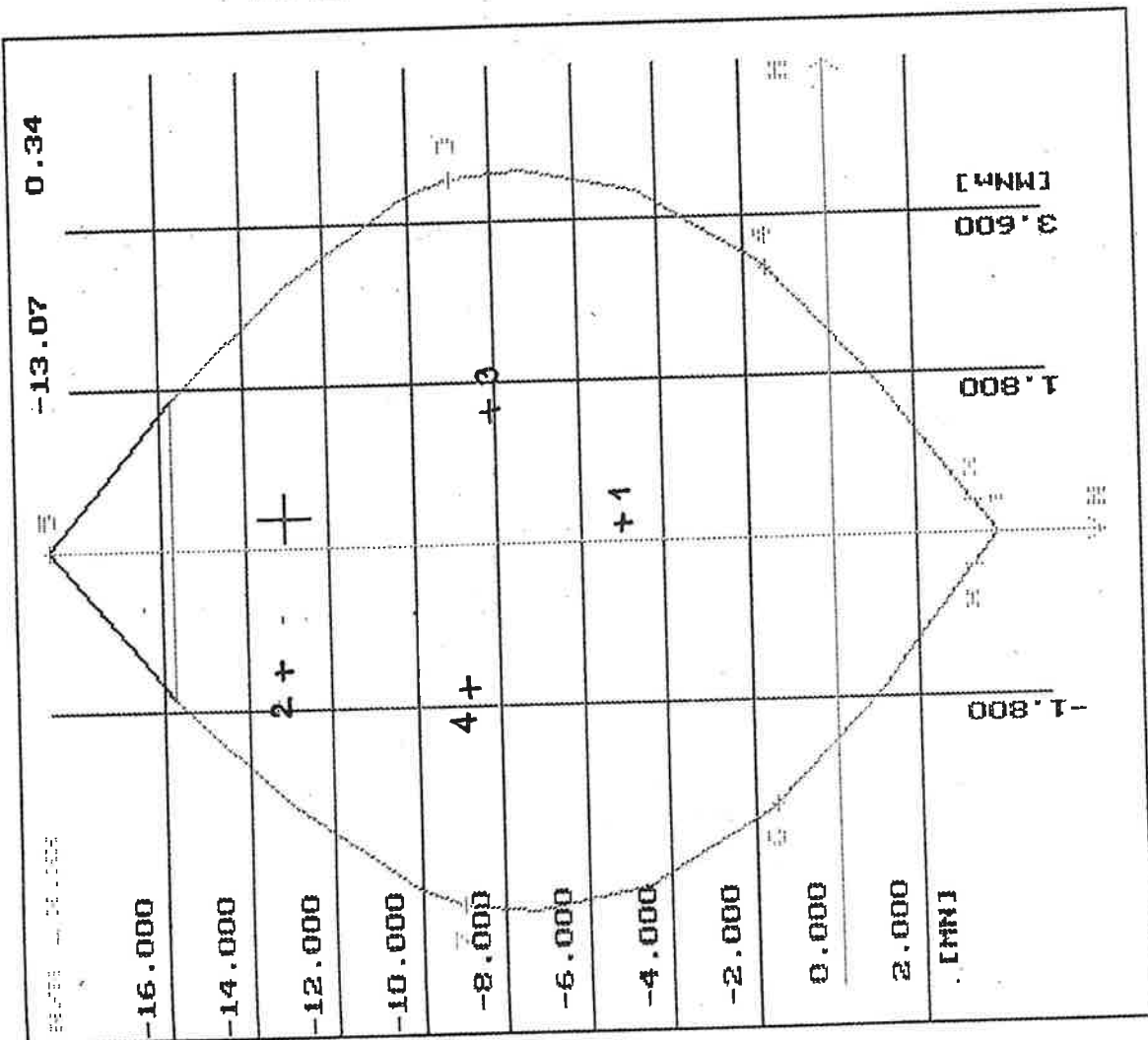
	AS1:12787.1	AS2:12787.1
1	0.0000	4.7871
2	0.3936	4.1256
3	4.3815	-8.9277
4	3.4024	-1.4950
5	-0.0000	-19.515
6	-3.4024	-1.4950
7	-4.3815	-8.9277
8	-0.3936	4.1256



As1: 10643.9 As2: 10643.9

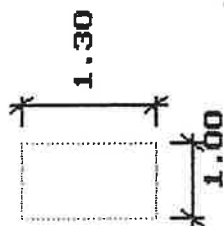
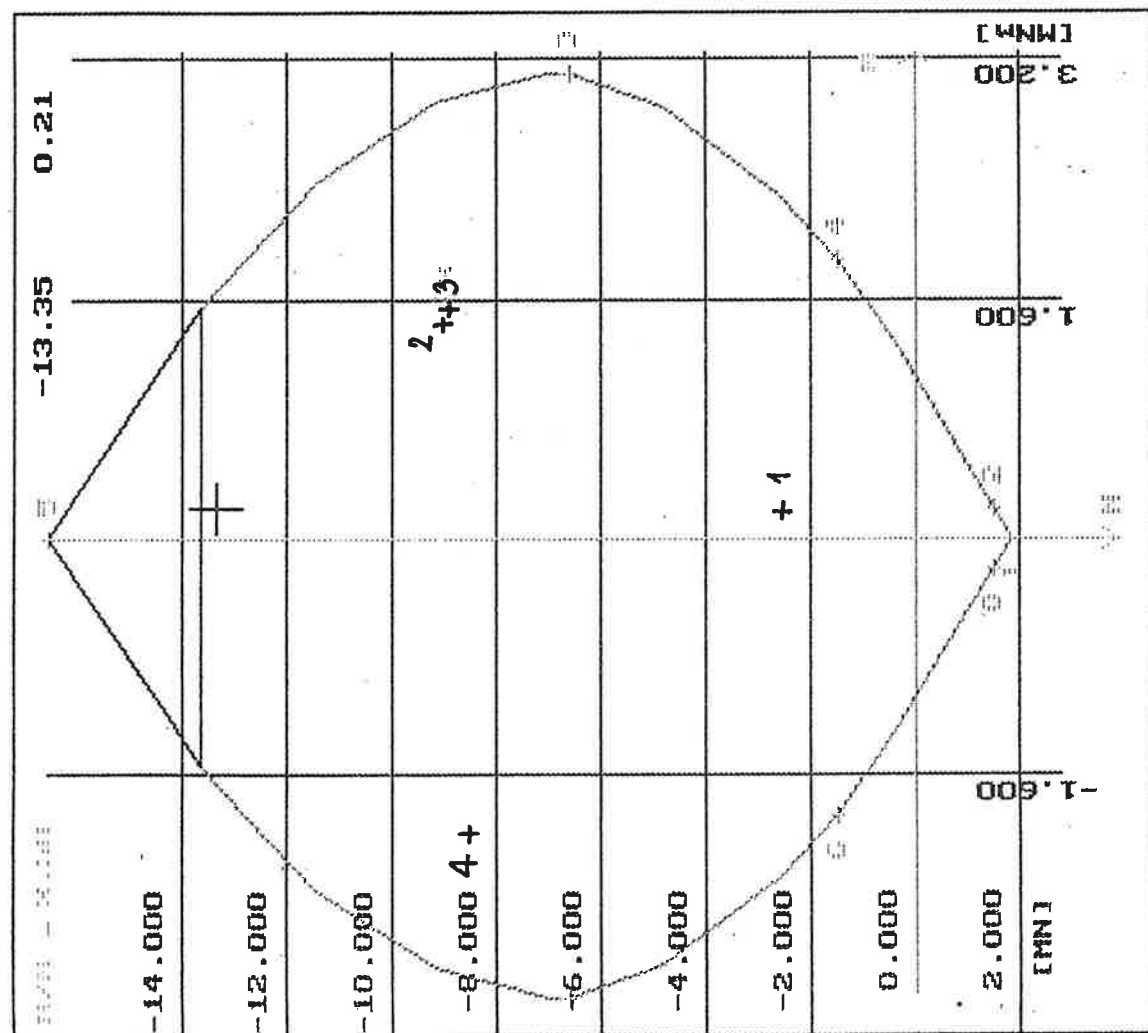
1	0.0000	3.9848
2	0.3631	3.3745
3	4.0824	-9.0089
4	3.0263	-1.4950
5	0.0000	-18.713
6	-3.0263	-1.4950
7	-4.0824	-9.0089
8	-0.3631	3.3745

1	0.1952	-5.0090
2	-1.3714	-13.175
3	1.4848	-8.1365
4	-1.6140	-8.8156



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

III - part ⑤, ④

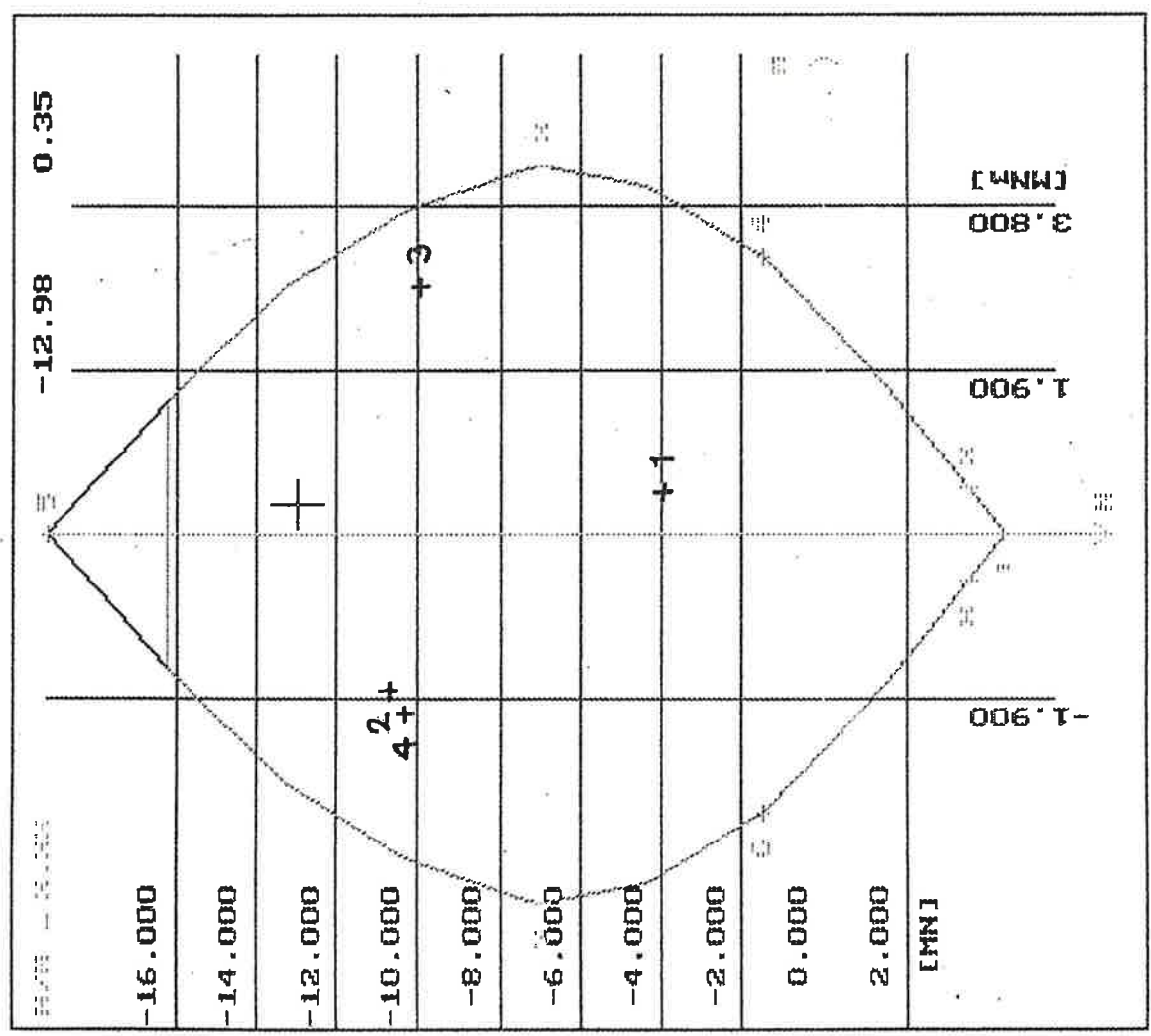
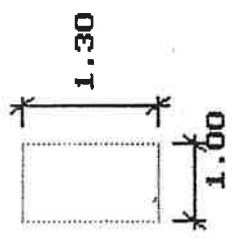


As1: 3044.2	As2: 2491.3
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1	-0.0000	1.8542
2	0.2097	1.5048
3	3.0988	-6.5766
4	1.8643	-1.4950
5	0.0000	-16.582
6	-1.8643	-1.4950
7	-3.0988	-6.5766
8	-0.2097	1.5048

1	0.1936	-2.5206
2	1.4323	-9.0336
3	1.5376	-8.9322
4	-1.9838	-8.5532

IV-IV' - part ⑥ ③



As1:6641.7 As2:6641.7	
1	-0.0000 4.4495
2	0.5477 3.5355
3	4.2732 -6.9725
4	3.2226 -1.4950
5	0.0000 -19.178
6	-3.2226 -1.4950
7	-4.2732 -6.9725
8	-0.5477 3.5355
1	0.4999 -3.9790
2	-1.8056 -10.762
3	2.8601 -9.9484
4	-2.0794 -10.327

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