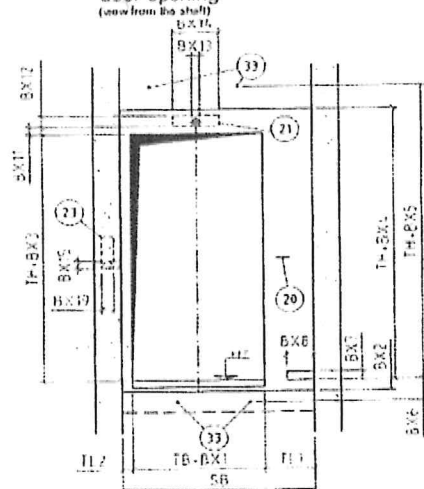
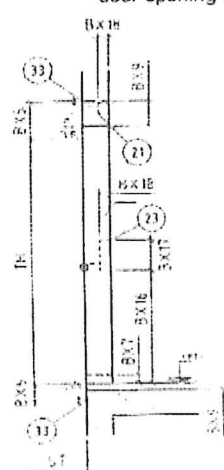


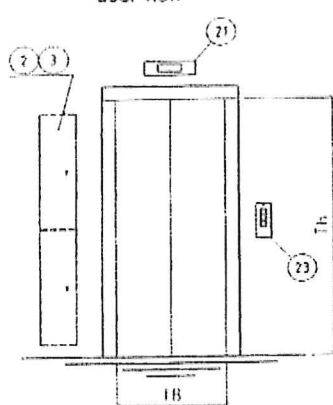
door opening



door opening in the shaft

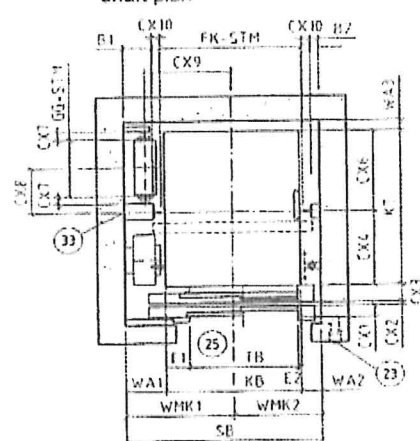


door view

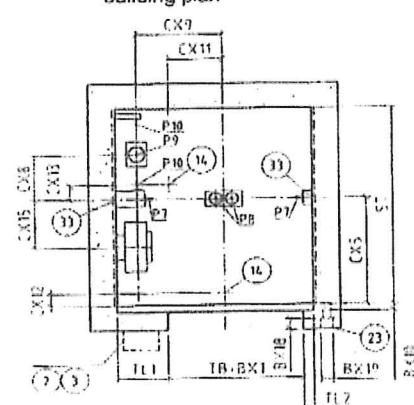


* Control box at floor 1 only
Dimensions 1700x263x150 mm (HxWxD)
(Control box not in fire resistance class F90)

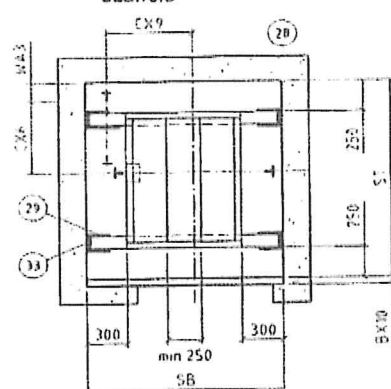
shaft plan



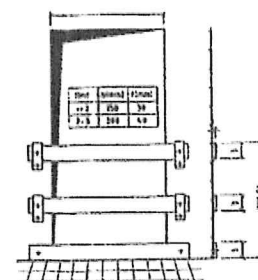
building plan



scaffold



protective barrier for shaft acc
in acc with DIN 4420 and UVV

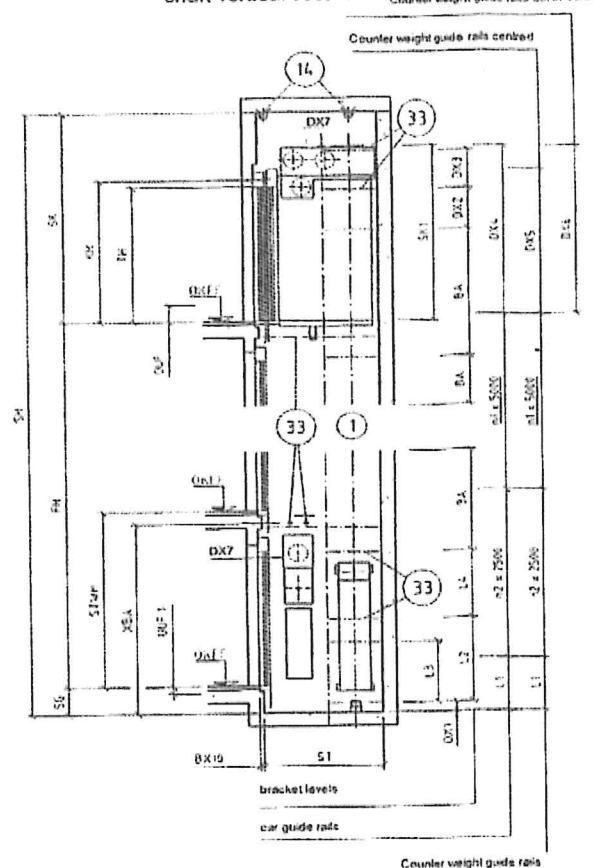


shaft access viewed from the shaft
shaft access protected by easily removable wooden
planks at each floor - and foot level
in acc with DIN 4420 and 214-542 (en 818)

with ground control elements in acc
required LOP for rescue line 420

B1	213
B2	63
B3	2500
B4	200
B5	0
B6	100
B7	0
B8	360
B9	135
B10	70
B11	210
B12	80
B13	0
B14	100
B15	20
B16	60
B17	350
B18	60
B19	925
B20	250
B21	80
B22	80
B23	1075
B24	150
B25	30
B26	140
B27	600
B28	320
B29	650
B30	85
B31	355
B32	641
B33	62
B34	405
B35	100
B36	120
B37	260
B38	385
B39	140
B40	600
B41	570
B42	2500
B43	2150
B44	2450
B45	260
B46	176
B47	75
B48	27330
B49	1050
B50	450
B51	760
B52	1000
B53	2100
B54	1250
B55	4200
B56	1350
B57	700
B58	1560
B59	5
B60	5
B61	0
B62	0
B63	1450
B64	1100
B65	21500
B66	3472
B67	3400
B68	1750
B69	450
B70	2450
B71	800
B72	2000
B73	375
B74	15
B75	300
B76	150
B77	180
B78	800
B79	850
B80	850
B81	3517

shaft vertical section



guidance notes for planning
B = to be provided by others
TKAW = provided by ThyssenKrupp Aufzugswerte
TAS = provided by ThyssenKrupp local branch

- 1 permissible room temperature +5°C to +40°C
heat dissipation = 2750 kJ/h (heat output to be dissipated heat)
- 2 ventilation required in acc with LBO
external devices and wiring in shaft
not permitted
- 3 manual switch and switch for car and shaft lighting
in control box
- 3 control box
3.1 phone connection for Teleservice
3.2 power connection
Afterstart: Follow the escape route
- 14 removable lifting hooks under shaft roof
for Pmin 5 kN concentrated load
to be removed after installation
- 20 meter mark on the inside of the shaft at
each door opening, so the site are flush
with top of FFL
- 21 Cut out for indicating elements
- 23 Cut out for landing push boxes
- 25 making good the door gap
- 28 scaffolding in acc with valid UVV
in each landing 250 mm under top of FFL
- 29 scaffolding brackets
- 33 doors and drive fixed with dowels
brackets and scaffolding fixed with dowels
suitable for dynamic load or with anchor rails
(HIA 40/22 full depth of the shaft)

insert anchor rails and clean

shaft walls to be plumb
max tolerance +/- 25 mm

door openings are to be square and vertically lined above each other

all measurements are finished measurements. All rough sizes are +

all measurements are in mm

noise insulation VDI 2566 is to be observed

lighting protection in acc with DIN 57185 / VDE 0185

is to be carried out on site

loads on the shaft pit sole

P7 = 14 kN impact on each guide
when safety gear is activated

P8 = 27 kN impact on compressed buffer

P9 = 43 kN impact on compressed buffer

P10 = 11 kN impact on each guide
when safety gear is activated
(when safety gear is on CW)

load P7-P10 never occur simultaneously

loads on the guide rails

Px = 1.2 kN

Fy = 0.7 kN

Attention:
Useless additional insulation platform
for scaffold installation due to point 28

car accessories

Car lighting car ceiling lines - CEI 11
Car walls and car front wall
Solid stainless steel grain 220 - Wall 1
Flooring:
Horseplan mega, black blue 2055 - Floor 10
Car door panels
Stainless steel grain 220
Crystal mirror on rear wall in the upper part of the cabin up to the ceiling
Handrail stainless steel, rear wall

version of shaft door

Stainless steel grain 220

without fire resistance test

release** by

Date:

date of issue 13.09.2007

Version 2.008

** basis for manufacturing in acc with date of issue

attention: revision notes for information only - scope of supply acc calculation

project
ETI Politechnika Gdanska

ThyssenKrupp Aufzug

a company of

ThyssenKrupp Elevator

customer reference: 2007-01-10

NC21A00 GNB1

passenger lift

capacity: 450 kg

speed: 1.0 m/s

equipment Nr.
290907022

Bracket levels for guide rails		
No.	Position	Distance
17	31720	570
18	31150	1000
19	30580	2000
20	30010	2500
21	29440	2500
22	28870	2500
23	28300	2500
24	27730	2500
25	27160	2500
26	26590	2500
27	26020	2500
28	25450	2500
29	24880	2500
30	24310	2500
31	23740	2500
32	23170	2500
33	22600	2500
34	22030	2500
35	21460	2500
36	20890	2500
37	20320	2500
38	19750	2500
39	19180	2500
40	18610	2500
41	18040	2500
42	17470	2500
43	16900	2500
44	16330	2500
45	15760	2500
46	15190	2500
47	14620	2500
48	14050	2500
49	13480	2500
50	12910	2500
51	12340	2500
52	11770	2500
53	11200	2500
54	10630	2500
55	10060	2500
56	9490	2500
57	8920	2500
58	8350	2500
59	7780	2500
60	7210	2500
61	6640	2500
62	6070	2500
63	5500	2500
64	4930	2500
65	4360	2500
66	3790	2500
67	3220	2500
68	2650	2500
69	2080	2500
70	1510	2500
71	940	2500
72	370	2500

Landing table		
Floor	Position	Distance
0	7	3450
1	8	3450
2	9	3450
3	10	3450
4	11	3450
5	12	3450
6	13	3450
7	14	3450
8	15	3450
9	16	3450
10	17	3450
11	18	3450
12	19	3450
13	20	3450
14	21	3450
15	22	3450
16	23	3450
17	24	3450
18	25	3450
19	26	3450
20	27	3450
21	28	3450
22	29	3450
23	30	3450
24	31	3450
25	32	3450
26	33	3450
27	34	3450
28	35	3450
29	36	3450
30	37	3450
31	38	3450
32	39	3450
33	40	3450
34	41	3450
35	42	3450
36	43	3450
37	44	3450
38	45	3450
39	46	3450
40	47	3450
41	48	3450
42	49	3450
43	50	3450
44	51	3450
45	52	3450
46	53	3450
47	54	3450
48	55	3450
49	56	3450
50	57	3450
51	58	3450
52	59	3450
53	60	3450
54	61	3450
55	62	3450
56	63	3450
57	64	3450
58	65	3450
59	66	3450
60	67	3450
61	68	3450
62	69	3450
63	70	3450
64	71	3450
65	72	3450
66	73	3450
67	74	3450
68	75	3450
69	76	3450
70	77	3450