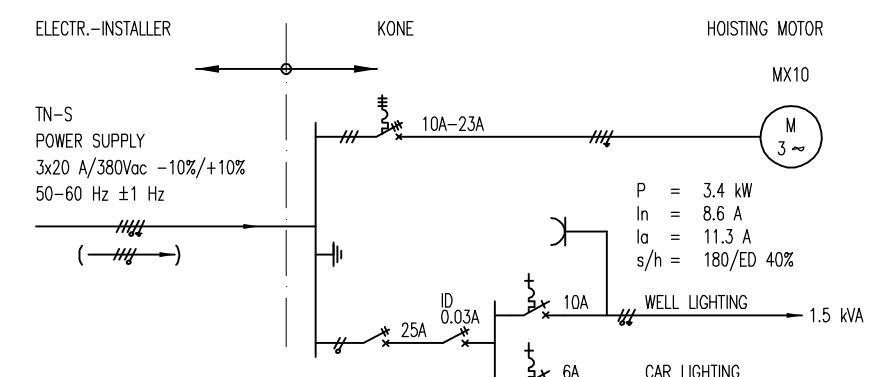


1	2	3	4	5	6	7	8	9	10	11	12
A	TECHNICAL SPECIFICATION FOR ELEVATOR :	Gaismas_19	BUILDER REQUIREMENTS	ELECTRICAL REQUIREMENTS							
	Safety code	: EN81-1	SHAFT MATERIAL : MINIMUM K30 CONCRETE	Main supply voltage	: 380 V						
	KONE Product type	: GW-BW13/05	MINIMUM WALL THICKNESS 150 mm	Frequency	: 50 Hz ±1Hz						
	Rated load	: 1275 kg	RECOMMENDED MINIMUM FOR WELL VENTILATION:	Signalization voltage	: 18–30 VDC						
	Persons number	: 17	OPENINGS AREA AT TOP OF THE WELL IS 1% OF THE HORIZONTAL SECTION OF THE WELL	Risers fuses	: 3x20 A						
	Rated speed	: 0.50 m/s	LANDING DOOR FIXING METHOD:	Risers fuses for separate lighting	: -						
	Acceleration/Deceleration rate	: 0.25 m/s ²	GUIDE RAIL BRACKET FIXING METHOD:	Nominal line current	: 18.6 A						
	Shaft travel	: 14000 mm	EXPANDER BOLTS	Max. RMS acceleration line current	: 21.3 A						
B	Number of stops / Landing doors	: 7 / 7	EXPANDER BOLTS	Main fuses	: 3x16 A						
	Car entrances	: 2	SHAFT TEMPERATURE: +5 TO +40°C	Lighting fuses (shaft + car)	: 10A + 6A						
	Door type	: KES 600 – 2L	MAX. ALTITUDE: 3000 m ABOVE SEA LEVEL	Thermal losses in machine room	: 0.8 kW						
	Door width	: 1100 mm	MAX. RELATIVE HUMIDITY IN SHAFT: 95% (AT 40°C)	Standby power generation	: 12 kVA						
	Door height	: 2100 mm	IF LIGHTING NOT BY KONE THEN ACCORDING TO LOCAL REQUIREMENTS. (MINIMUM ILLUMINATION IN WELL 50 lux)	Drive type	: KDL16						
C	Car type	: MCD		Motor output power at nominal load	: 3.4 kW						
	Car internal height	: 2200 mm		Motor RPM at full speed	: 80 rpm						
	Car internal width	: 1200 mm		Max. Starts/Hour	: 180/ED 40%						
D	Car internal depth	: 2300 mm									
	Car internal surface	: 2.86 m ²									
	Car guide rails	: T125B									
	Car buffers	: 1x D165xH80									
	Counterweight sling	: CWT-Q20									
	Counterweight guide rails	: T82A									
	Counterweight buffers	: 1x D165xH80									
D	Control system	: LCE /									
	Machine	: MX10									
	Motor insulation class	: F									
	Traction sheave diameter	: 480 mm									
	Circular undercut u-groove	: 105°									
	Motor RPM at full speed	: 80 rpm									
	Roping arrangement	: 4:1									
E	Suspension ropes	: 5xd8-F819S-FE	THE FIVE SITE ABSOLUTES:								
	Overspeed governor	: OL35	1. The elevator well is clean and dry before installation work starts.								
	Overspeed governor rope	: 1xd6-PAWO F1	2. The well is constructed according to KONE layout drawings and the well openings are sealed for safety.								
	Cast iron weight (kg/pc)	: 22.5 kg	3. The lifting eyes and the ventilation ducts specified by KONE are in place.								
	Concrete cwt weight (kg/pc)	: 25 kg	4. 3-phase power supply for elevator and installation hoisting is provided.								
	Car + Sling minimum weight	: 1075 kg	5. A 30 mq. Storage space is provided on the ground floor close to the well and the access ways to the well are clear.								
F	Car + Sling maximum weight	: 1755 kg									
	Minimum suspended weight	: 2350 kg									
	Maximum suspended weight	: 3030 kg									

ELECTRICAL SCHEMATIC

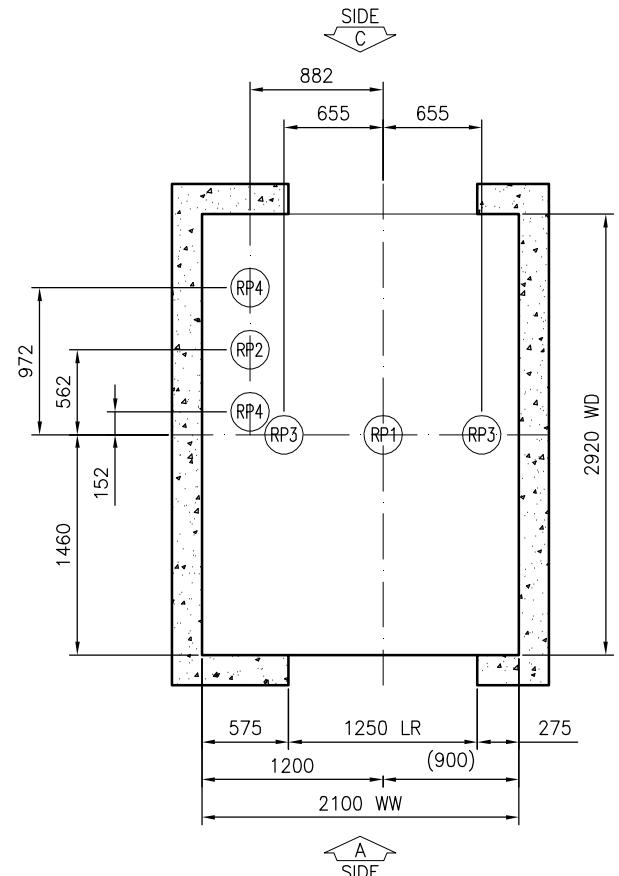


- MAIN POWER CABLES TO BE CONNECTED BY ELECTRICIAN INSTALLER.
- TELEPHONE LINE TO THE PUBLIC PHONE NETWORK TO BE CONNECTED TO THE SERVICE ELEVATOR PANEL INSIDE THE SHAFT.

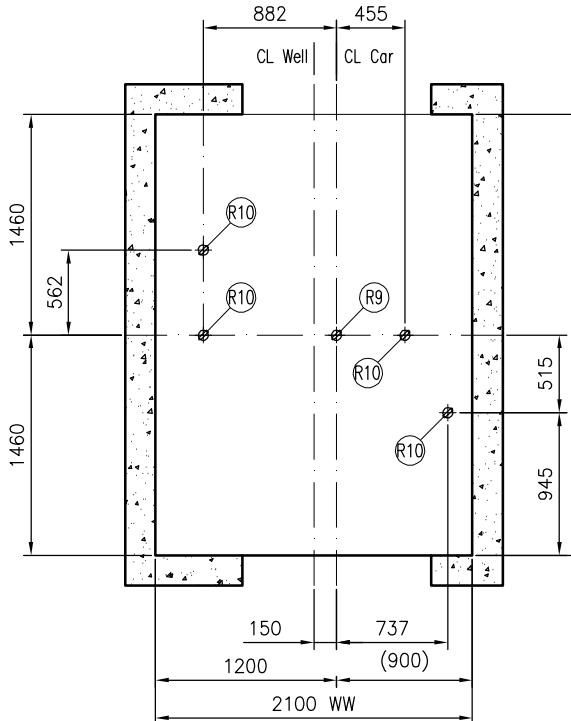
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Date: _____ Signature/stamp: _____

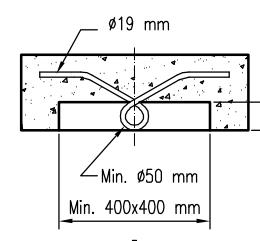
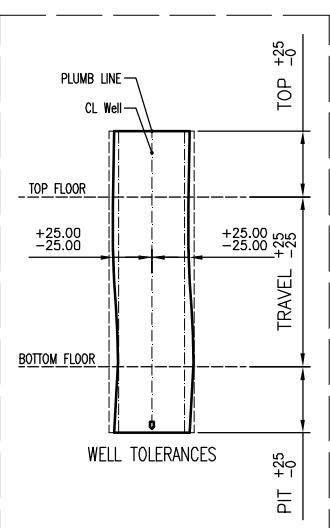
en-1	2011.11.07	Original Drawing		
Version	Date	Description	Designed by	Approved by
Project name: KONE				
Drawing title: Gaismas 19/8				
Site address: Kekava				
Drawing date: TECHNICAL INFORMATIONS				
Equipment number(s): Gaismas_19				
PL ref. number	Org. No.	Issue	Page	
Gaismas_19-010-G-1-1				- 1(1)



REACTION FORCES ON PIT
Scale 1:25



LIFTING EYES PLACEMENT
Scale 1:25



R9 - Capacity 40 kN
R10 - Capacity 15 kN

NOTE:
DUE TO THE INSTALLATION METHOD THE
PLACEMENT OF THE EYES IS CRITICAL.

NOT FOR MANUFACTURING
ONLY AS DIMENSIONAL REFERENCE
LIFTING EYE STRENGTH IS UNDER
BUILDER RESPONSIBILITY.

LIFTING EYES CAPACITY MUST BE
CERTIFIED BY BUILDER ACCORDING
TO LOCAL REQUIREMENTS.

REQUIRED HOIST TYPE AND CAPACITY
X750 3:1 OR X1000 2:1 OR X2000 2:1

MAXIMUM FORCES TO GUIDE FIXING POINTS				
Equipment number(s) Gaismas_19				
S	P	Load	Value (kN)	Value (kN)
		P	4.8	
		S	3	
		T	4.8	

MAXIMUM CAR AND COUNTERWEIGHT GUIDE FIXING REACTION LOADS ON SHAFT				
Equipment number(s) Gaismas_19				
Fz	Fx car	Load	Value (kN)	Value (kN)
		Fz car	2.2	
		Fx cwt	2.7	
		Fy cwt	3.1	
		Fz cwt	1.7	

Note:

- Fx applies to two fixings (per guide) but in opposite directions.
- Fy applies to one fixing (per guide) at a time.
- Fz (vertical) applies to all fixings.

MAXIMUM REACTION LOADS ON PIT FLOOR

Gaismas_19				
Load	Value (kN)	Value (kN)	Value (kN)	Value (kN)
RP1	112			
RP2	87			
RP3	53			
RP4	17			
RP5	-			
RP6	-			

Note:

Reaction loads RP1..RP6 on the pit bottom are not simultaneous.

MAIN TECHNICAL SPECIFICATION
Equipment number(s) Gaismas_19

Safety regulations	EN81_1		
KONE product type	GW-BW13/05		
Load type	Possenger		
Rated load	1275 Kg		
Number of persons	17		
Rated speed	.5 m/s		
No. of stops/landing doors	7/7		
Travel	14000 mm		

Layout approved with/without comments:

Date: Signature/Stamp:

en-1	2011.11.07	Original Drawing
Version	Date	Description
Designed by Approved by		
Project name		
KONE		
Gaismas 19/8		
Site address		
Kekava		
Drawing title		
REACTION FORCES - LIFTING EYES PLACEMENT		
Equipment number(s)		
Gaismas_19		
FL ref. number	Drg. No.	Issue Page
Gaismas_19-010-B-1-1		

A

B

C

D

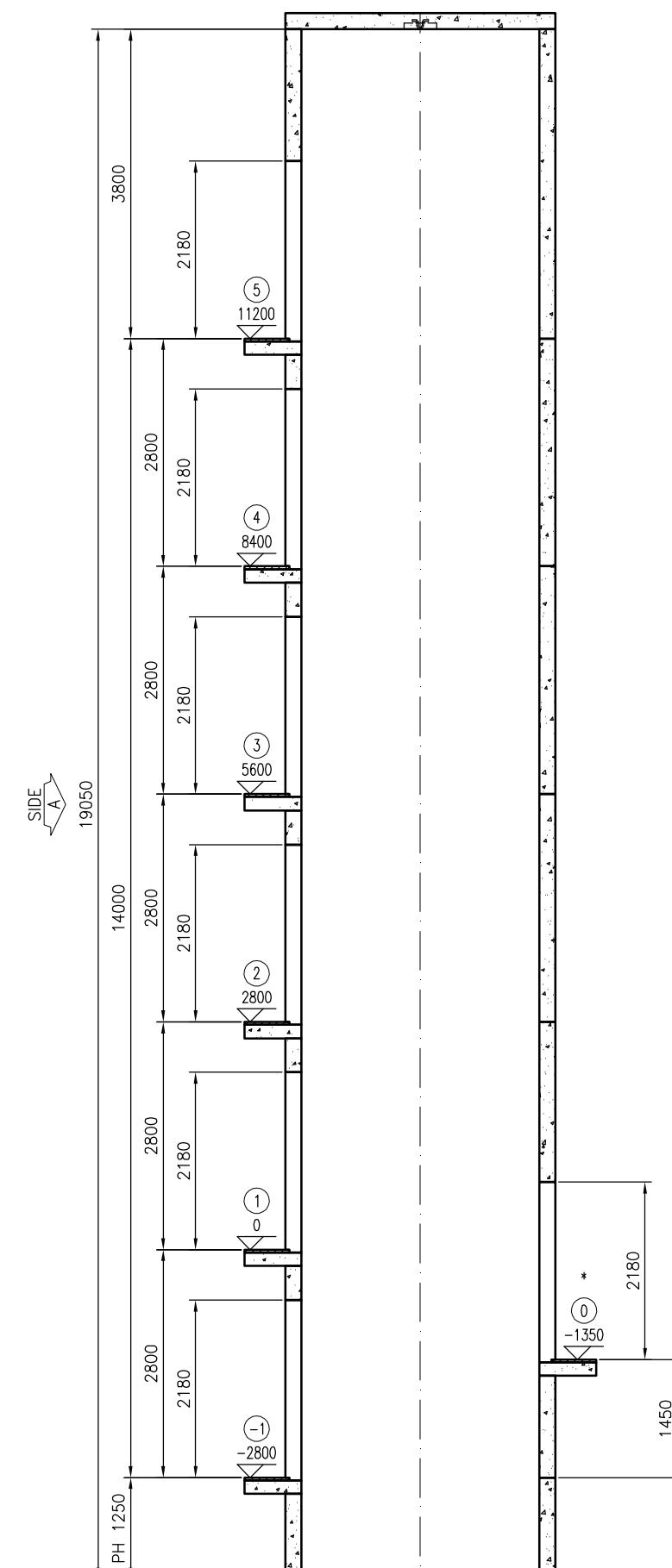
E

F

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A1

H



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en-1	2011.11.07	Original Drawing
Version	Date	Description
Project name		Designed by Approved by



KONE Lifti Latvija SIA
Dzērbenes iela 27a,
Riga, LV1006
gots.blous@kone.com

SHAFT VERTICAL SECTION

Equipment number(s)

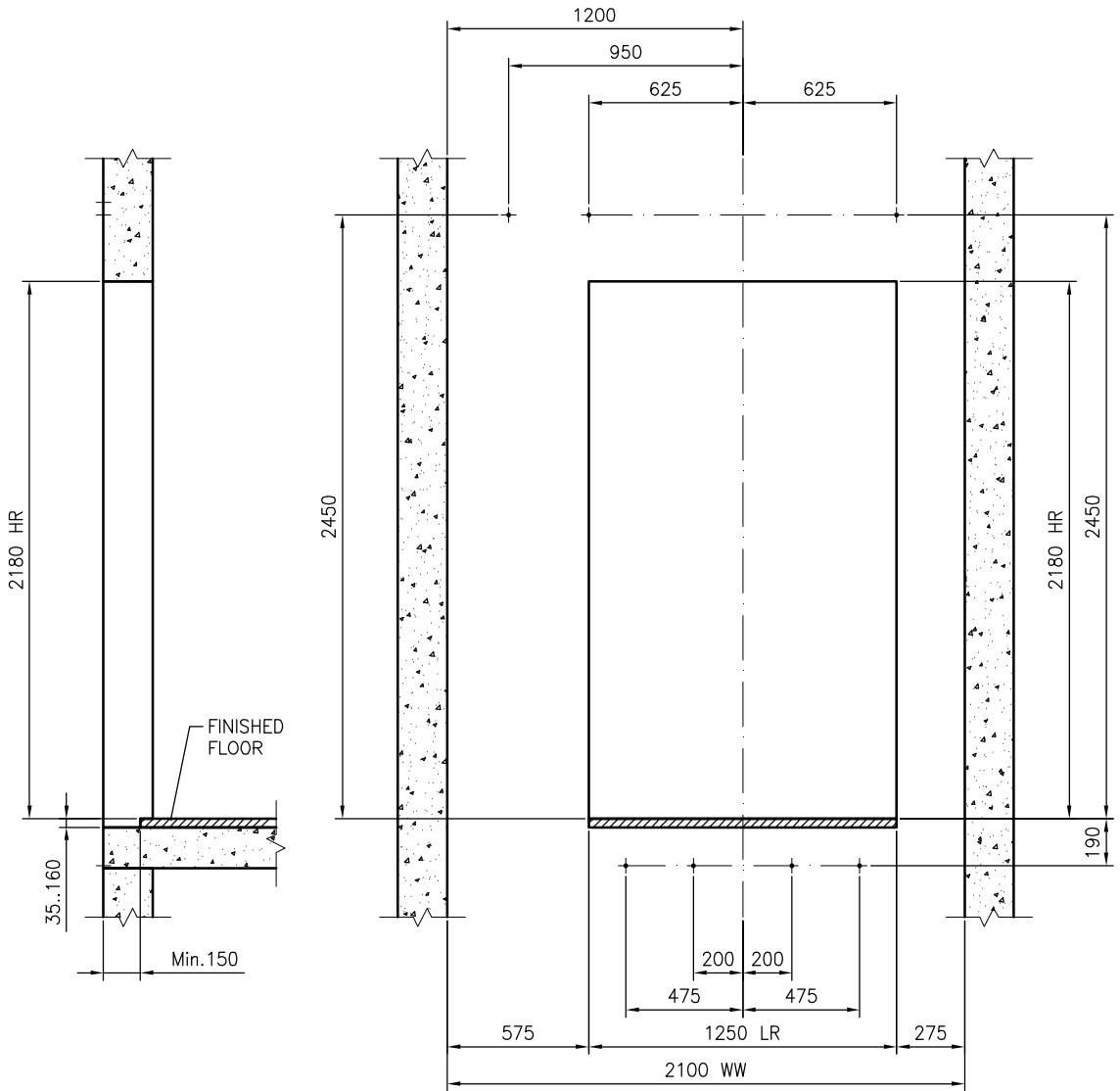
Gaismas_19

FL ref. number Org. No. Issue Page

Gaismas_19-010-B-2-1 - 2(3)

1 2 3 4 5 6 7 8 9 10 11 12

A
B
C
D
E
F
G
H
A1



DOOR OPENING SEEN FROM WITHIN THE LIFTWELL
FLOOR NO.2 - SIDE C - FLOOR SYMBOL: 0
Scale 1:15

Layout approved with/without comments:

Date: Signature/stamp:

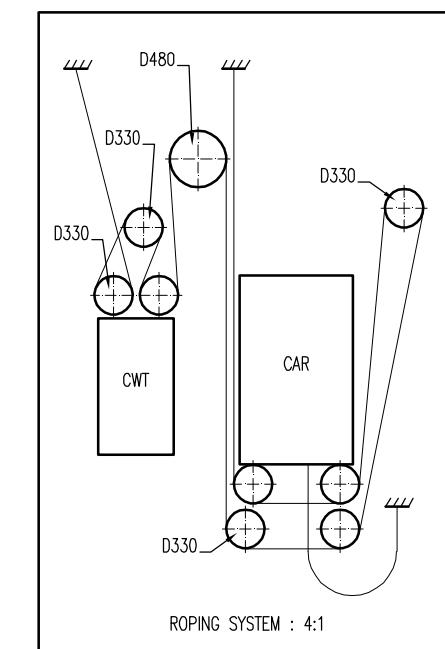
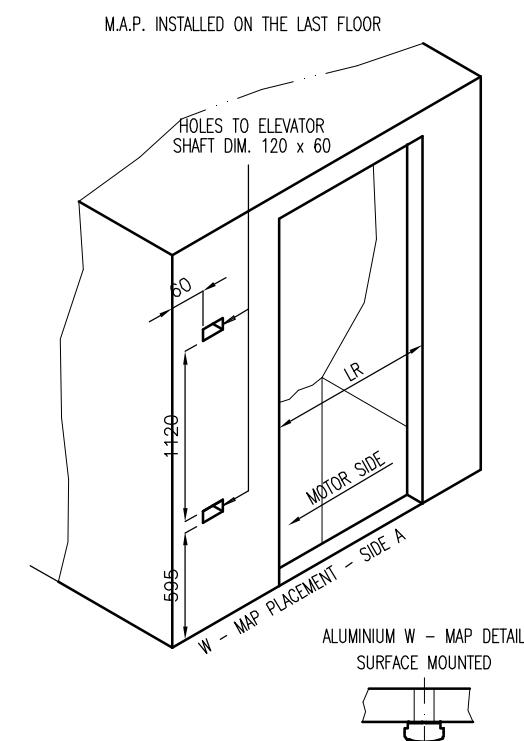
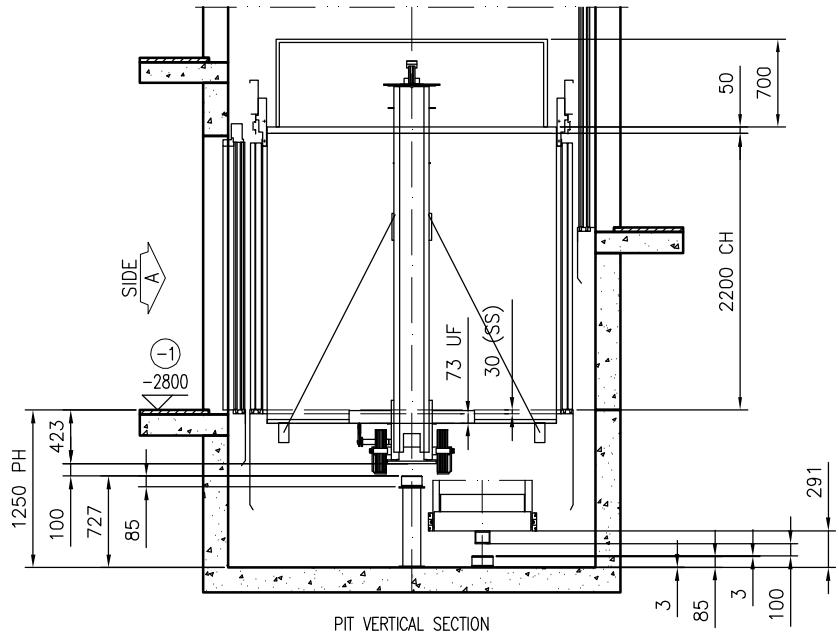
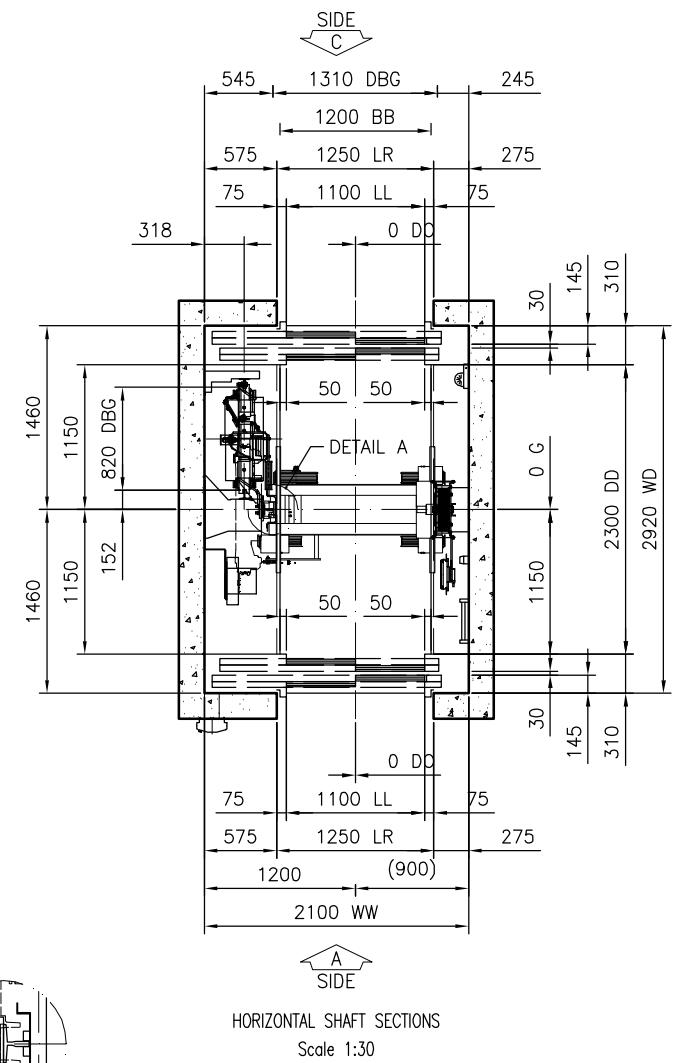
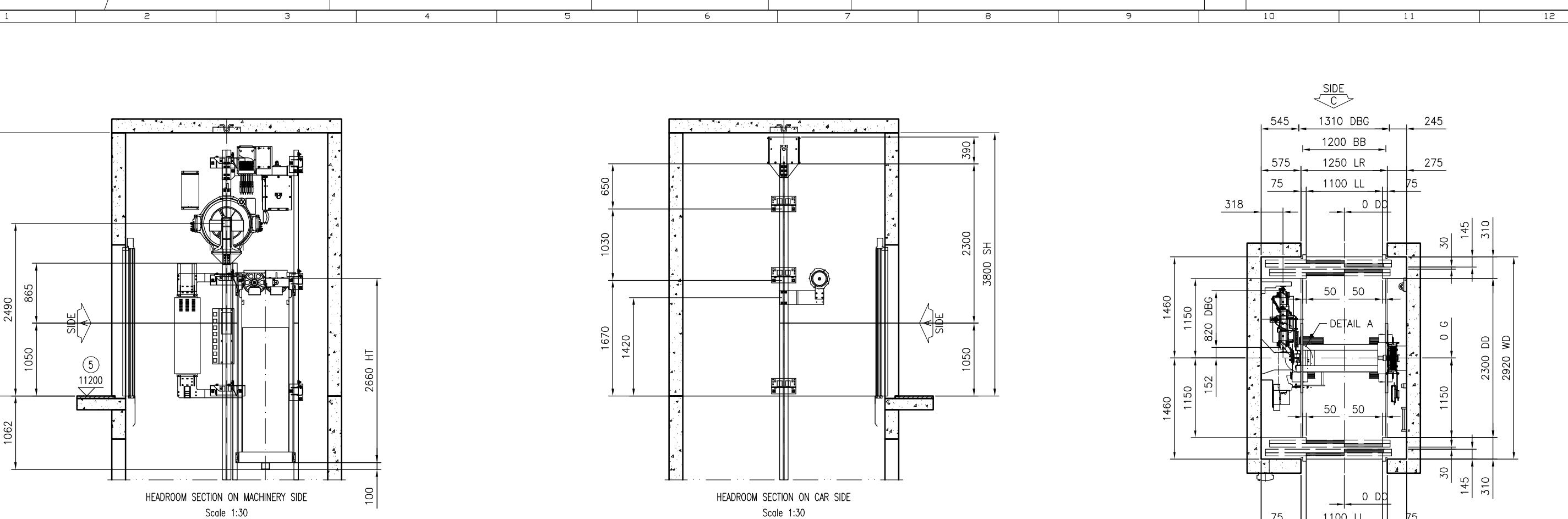
en-1	2011.11.07	Original Drawing	Designed by	Approved by
Version	Date	Description		

Project name				
KONE				
Gaismas 19/8				
Site address				

Drawing title				
OPENING DOOR DETAIL				
Equipment number(s)				
Gaismas_19				

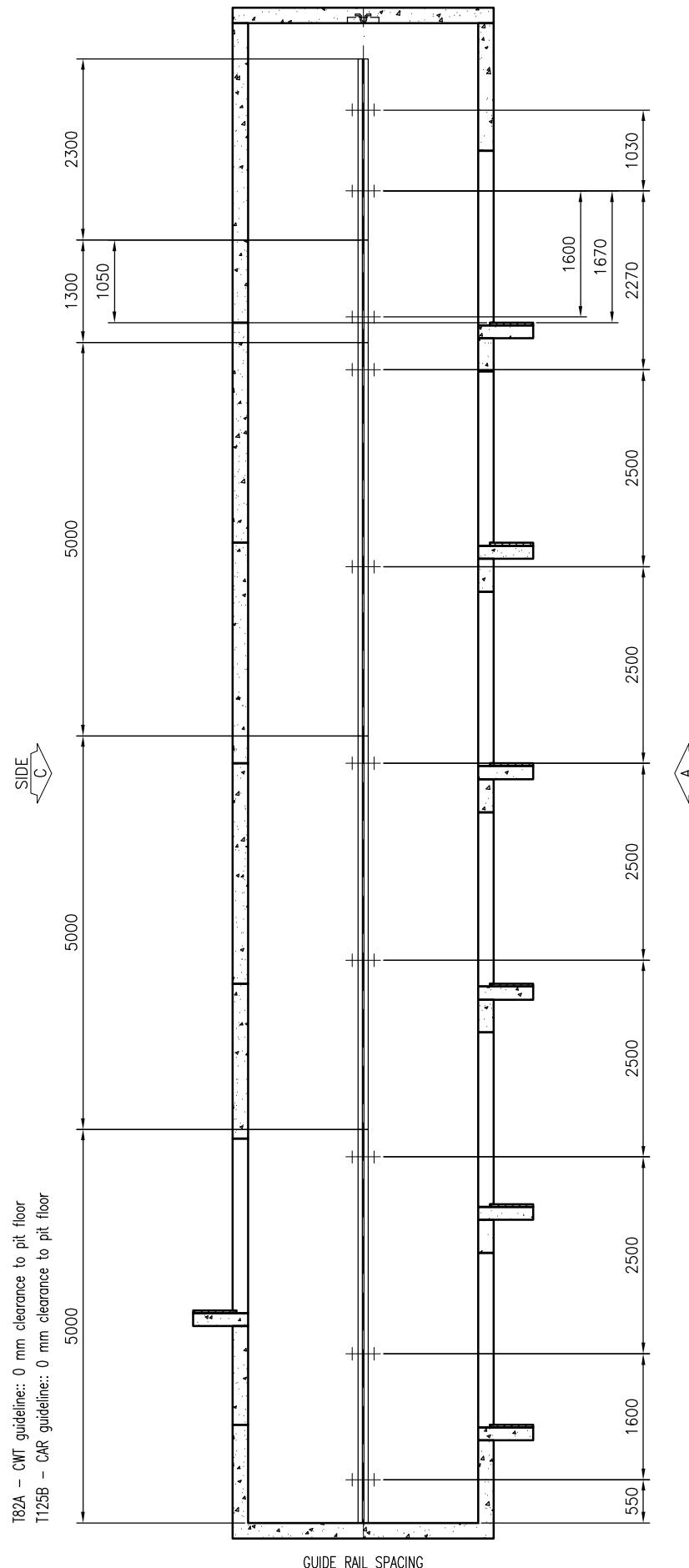
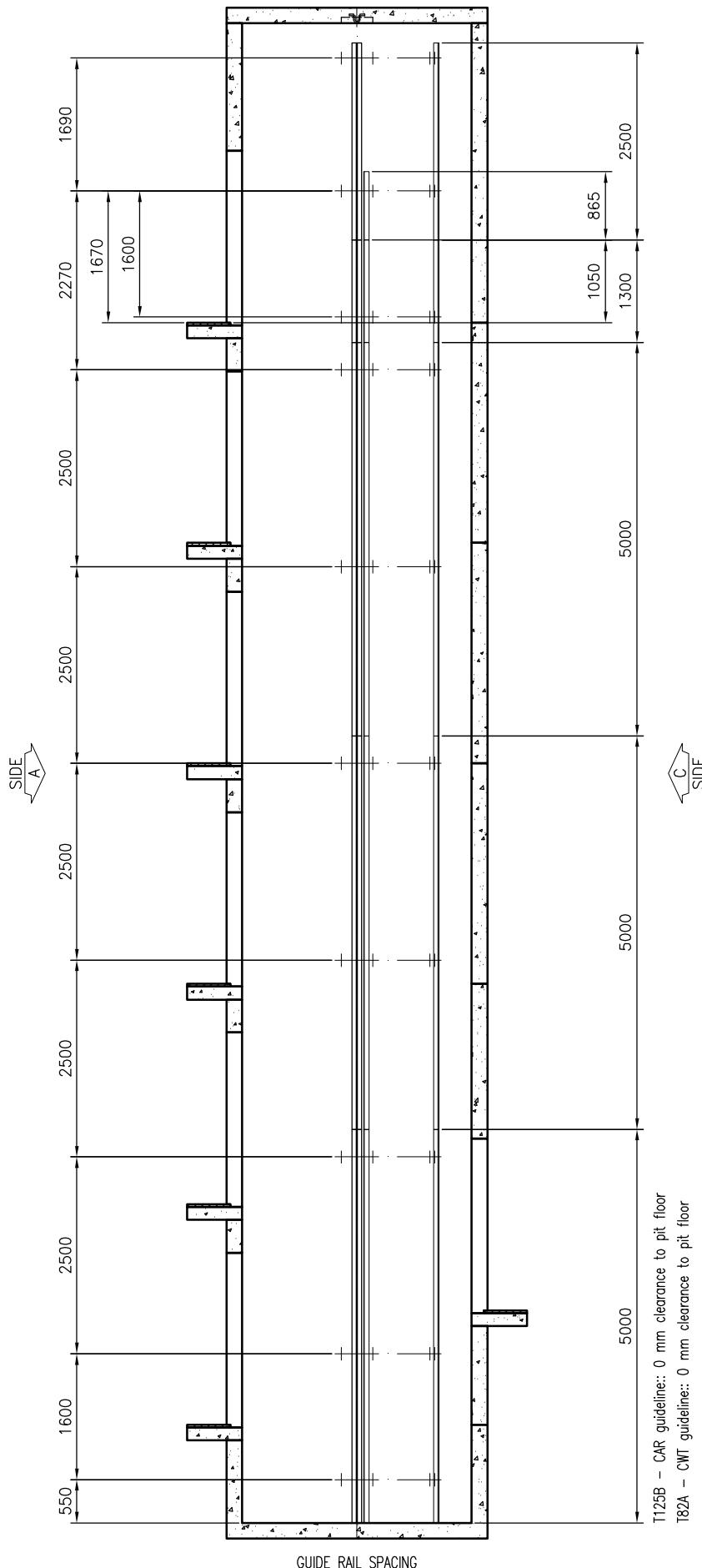
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Gaismas_19-010-B-3-1			

Gaismas_19-010-B-3-1			
-	3(3)		



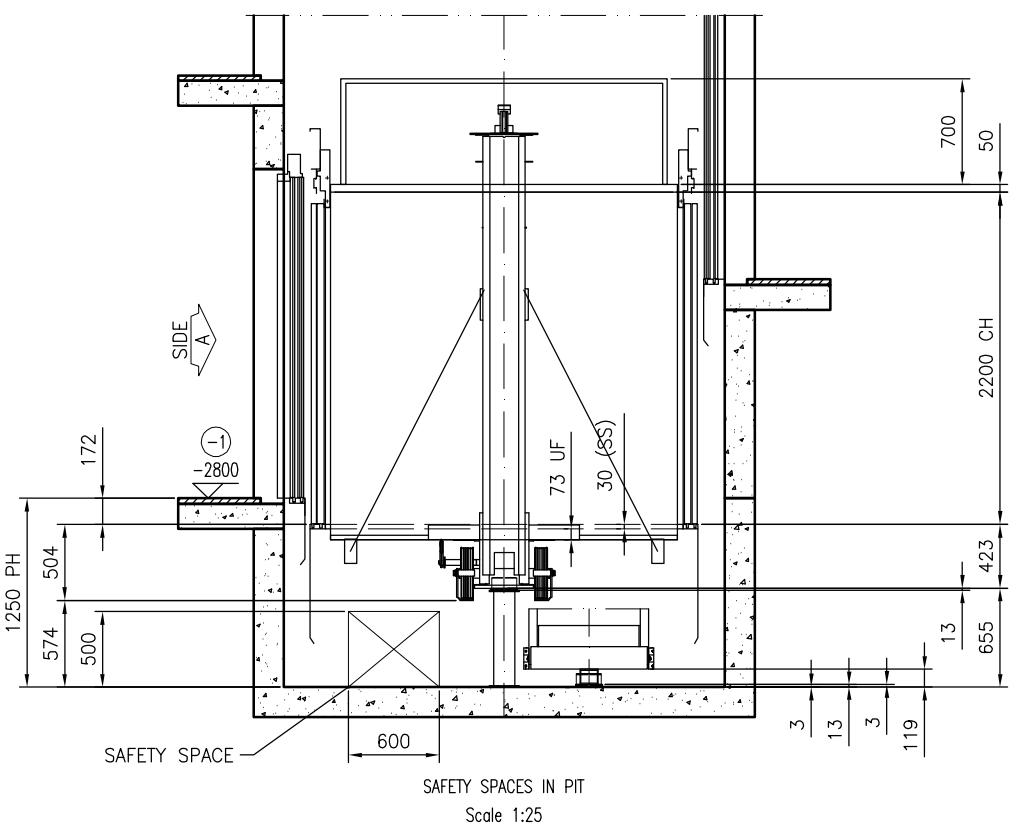
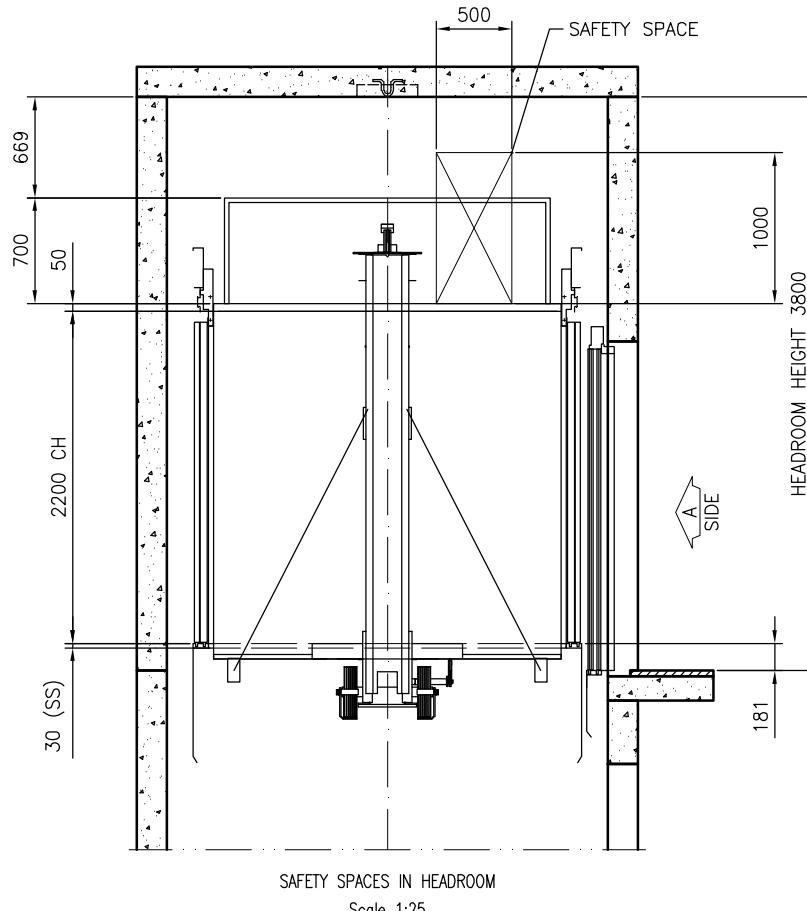
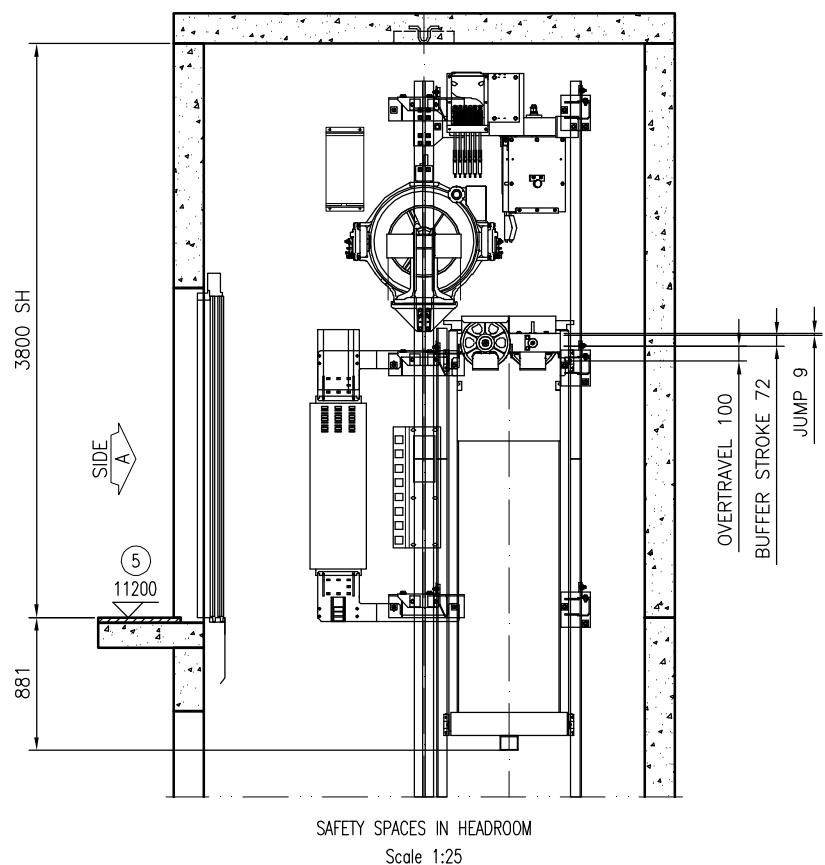
MAIN TECHNICAL SPECIFICATION	
Equipment number(s)	Gaismas_19
Safety regulations	EN81_1
KONE product type	GW-BW13/05
Load type	Possenger
Rated load	1275 Kg
Number of persons	17
Rated speed	5 m/s
No. of stops/landing doors	7/7
Travel	14000 mm
Layout approved with/without comments:	
Date:	Signature/stamp:
en-1	2011.11.07
Version	Date
Project name	Description
KONE	Designed by Approved by
Gaismas 19/8	
Site address	
Kekava	
Dzerebesnes iela 27a, Riga, LV1006 gatis.blauts@kone.com	
Drawing title	
SHAFT INSTALLATION SECTIONS	
Equipment number(s)	
Gaismas_19	
FL ref. number	Org. No.
Gaismas_19-010-I-1-1	Issue Page
Gaismas_19-010-I-1-1	- 1(2)

1 2 3 4 5 6 7 8 9 10 11 12



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Version	Date	Description	Designed by
KONE		Project name	Approved by
		Gaismas 19/8	
		Site address	
		Kekava	
		Drawing title	
		GUIDE RAILS AND BRACKETS LAYOUT	
		Equipment number(s)	
		Gaismas_19	
FL ref. number	Org. No.	Issue	Page
		Gaismas_19-010-1-4-1	- 2(2)

1 2 3 4 5 6 7 8 9 10 11 12



Safety regulations	EC conformity assessment procedure
EN81_1	
Deviations:	
 MAIN TECHNICAL SPECIFICATION Equipment number(s) Gaismas_19	
Safety regulations EN81_1	
KONE product type GW-BW13/05	
Load type Passenger	
Rated load 1275 Kg	
Number of persons 17	
Rated speed 5 m/s	
No. of stops/landing doors 7/7	
Travel 14000 mm	
Layout approved with/without comments:	
 Date: _____ Signature/stamp: _____	
 en-1 2011.11.07 Original Drawing	
Version Date Description Designed by Approved by	
 KONE	
Gaismas 19/8	
Site address Kekava	
Drawing title LAYOUT FOR AUTHORITY APPROVAL	
Equipment number(s) Gaismas_19	
PL ref. number Org. No. Issue Page	
Gaismas_19-010-A-1-1 - 1(1)	