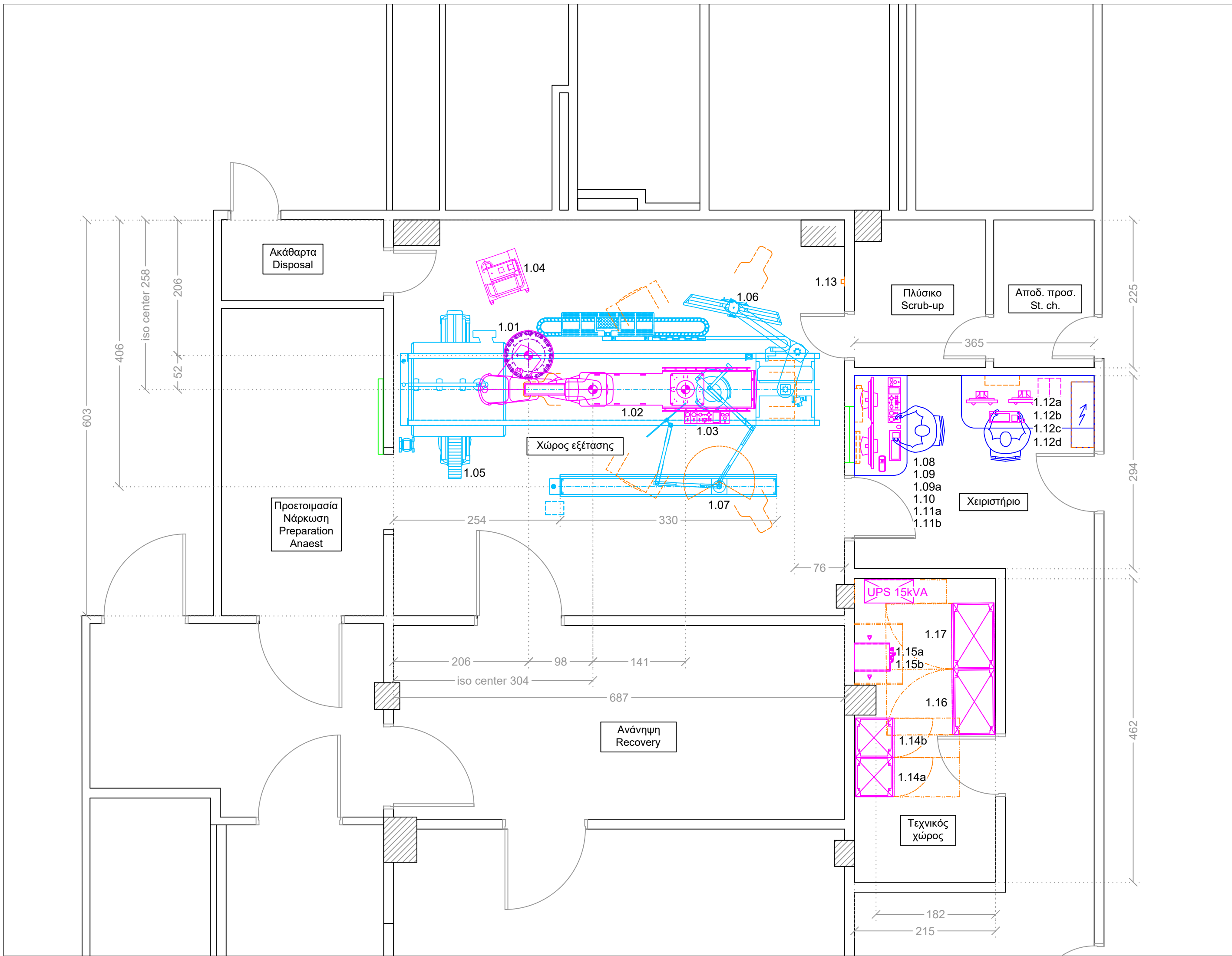
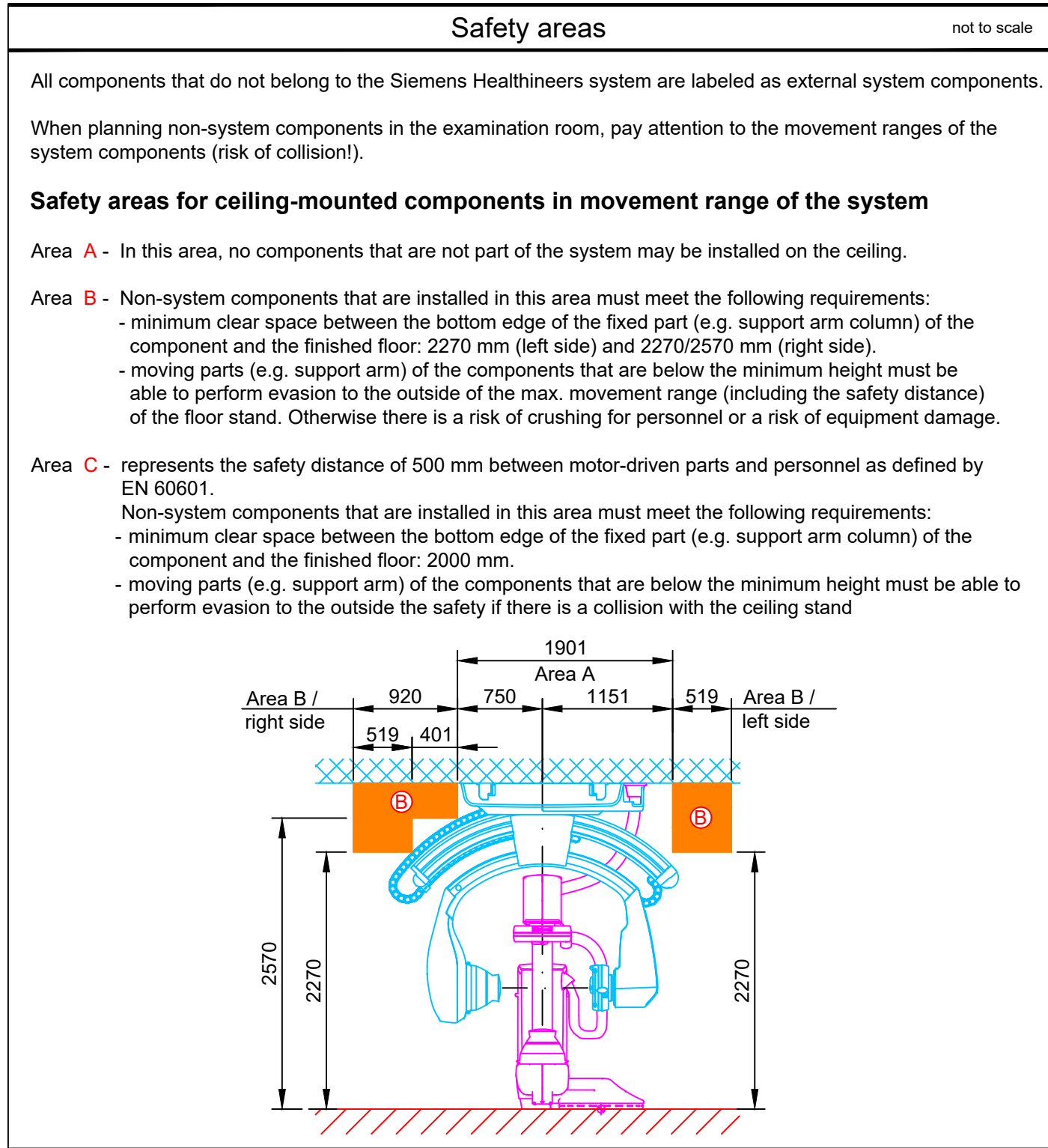
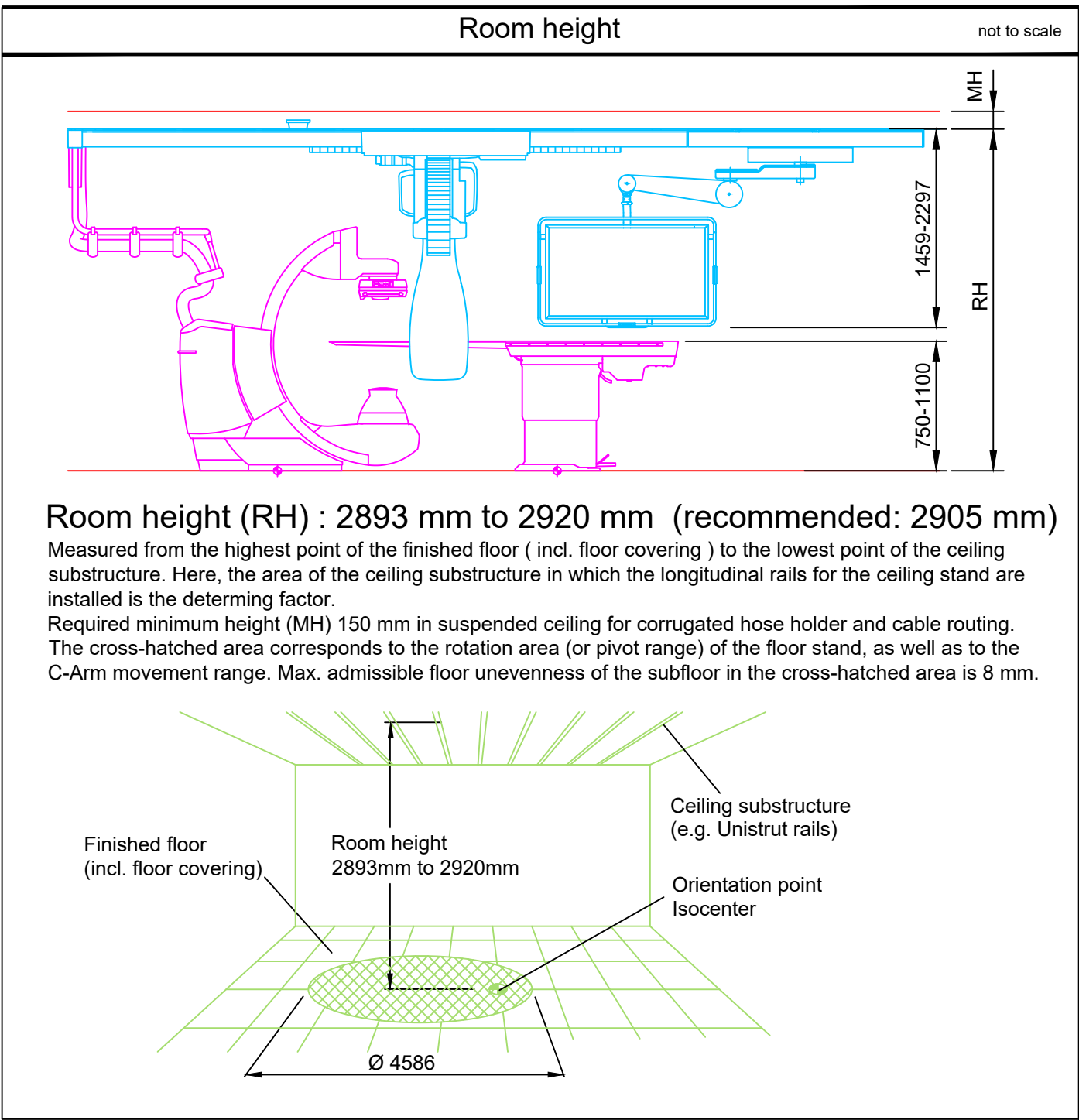




ARTIS icono biplane - Equipment Legend				
Pos.	Description	kg	W	Remark
1.01	Floor stand	670	200	
1.02	ARTIS multi-tilt table narrow	643	200	
1.03	Control console and ECC I on patient table	6	<25	
1.04	Control console and ECC I on trolley	6	<25 optional	
1.05	Ceiling stand	1108	200	
1.06	DCS Large Display 55" in rails	303	300	1120 mm, #21
1.07	Upper body radiation shield XL with OR light LED, moveable	92		optional
1.08	Control Interface Box (CIB)	8	100	
1.09	Workplace - 32" Display with mouse and keyboard	ca. 20	ca. 70	
1.09a	Reference Display 32"	16.6	68	optional
1.10	Central Power Control (CPC)	1.4	100	
1.11a	Control module	5.7	25	
1.11b	Connection box for control module	8	100	
1.12a	Sensis Vibe Combo - 2 x 21" Display with mouse and keyboard	20	150	optional
1.12b	Sensis Vibe Combo - Control Room Cabinet CR2	20	28	
1.12c	Sensis Vibe Combo - Computer DMC	4	39	optional
1.12d	Sensis Vibe Combo - Tripplite SmartPro - UPS	16	650	optional
1.13	Wireless Footswitch (footswitch and charging station)	1	10	optional, #3
1.14a	Generator ACX	250	1200	incl. ATS for UPS 40 kVA
1.14b	Generator ACX	220	1200	
1.15a	Cooling unit - SMC one4all	28	4500	#23
1.15b	Cooling unit - SMC one4all	28	4500	#23
1.16	System control cabinet	440	4000	
1.17	ATIS Image system	277	1750	
#3 charging station; comprised of: wall holder and plug-in power supply max distance 5 m from patient table, not in the control room				
#21 Weight incl. 1120mm rail extension (with 2000 mm rail extension this increases by 18 kg)				
#23 Without coolant (tank contents approx. 6,5 l coolant)				



Transport	
The transport route (doors and corridors) need sufficient dimensions for the following parts:	
Largest single part with transport frame (min. door width)	295 x 108,5 x 196 cm (B x T x H), weight 1250 kg
Largest box with packaging:	270 x 125 x 210 cm (B x T x H), weight 1500 kg
The door must have a final clearance of 125 cm if bed entrance is requested.	
Mechanical impacts: max. 10 g / 16 ms	Vibrations: max. 2 g / 58 to 150 Hz



UPS - Notes
In case of a power failure no moving of the system and motorized table is possible. For all Artis systems with Artis table with tilting function, Artis OR table or Artis zee Multipurpose an UPS is mandatory. Minimum 15 kVA UPS for system and table movement e.g. Eaton Powerware 15 kVA. If customer already has an on-site Full Power UPS, this can be used, if it fulfills this requirement.

Environment		
Examination room, Control room and Equipment room	Temperature range Relative humidity Max. temperature gradient Barometric pressure	15 to 30 °C (recommended 22 °C) 20 to 75 % non-condensing 5 °C / h 70-106 kPa
Image system	Air flow rate Max. noise generation	865 m³ / h 53 dB(A)
Generator	Air flow rate Max. noise generation	510 m³ / h <70 dB(A)
System control cabinet	Air flow rate Max. noise generation	665 m³ / h 55 dB(A)
Cooling unit	Cooling air Flow rate Max. noise generation	15 to 30 °C, frost-free room 4,2 l / min. 55 dB(A), 57 dB(A) at altitude > 3000m
Floor stand Ceiling stand	Schocks Vibrations Max. noise generation	max. 10 g / 16 ms max. 0,1 g / 10 bis 200 Hz <55 dB (A)
UPS 15 kVA	Temperature range Relative humidity Air change Max. noise generation	0 to 40 °C 20 to 25 °C recommended 5 to 95 % non-condensing 0,18 m³ / h 60 dB(A)

Environmental conditions for transport / storage	
Temperature range Relative humidity Barometric pressure	-20 to 70 °C 10 to 95 % without condensation 70 to 106 kPa
Acceleration	There must be absolute compliance with the following transport conditions to prevent damage to the system: • Maximum acceleration spectral density according to DIN EN 60721-3-2 class 2M2 - 1 m²/s² (0.01 g²/Hz) for oscillation frequencies from 10 to 200 Hz • Maximum acceleration according to DIN EN 60721-3-2 class 2M2 - Permissible peak acceleration (full shock response spectrum type I): - Horizontal shock (longitudinal / transverse): 40 m/s² (corresponds to the shunting of a train car) - Vertical shock: 100 m/s²
Note: All AT components are to be transported in the transport packaging provided by the supplier. Only vehicles with air suspension may be used for road transport of AT-systems. Only rail cars with shock absorbing bumpers may be used for rail transport of AT-systems.	

Enabling Works Specification
It is the responsibility of the Enabling Works Contractor to:
1. Supply and install any necessary items to comply with the radiation protection advisers documentation. 2. Supply and fix all floor trunking, cable tray, surface trunking, cable ducts as indicated on the drawings. 3. Ascertain that the structure (floor walls and ceiling) are capable of withstanding the loads indicated on the drawings. 4. Supply and install a ceiling grid as indicated on the drawings (e.g. 'Unistrut'). If required. 5. Supply only M10 Unistrut Spring channel nuts (PNL102P) stamped with 'Unistrut' on the body of the fixing and M10 Unistrut only steel square plates (P106S) Please check with the Siemens Healthineers project management how many items for each single ceiling rail / pair of ceiling rails on this project have to be supplied. 6. Supply a suitable ceiling support structure for all items suspended from the ceiling (see drawings for details) 7. Supply and install all indicated data and power outlets, including all necessary cabling to these outlets 8. Ensure all electrical work is carried out in accordance with the specification and the installation schematic 9. Ensure ALL building works indicated on these drawings is complete prior to the installation of the Siemens Healthineers equipment. Failure to do so could result in the equipment not being delivered on time!!!

Notes on preparations for installation
Contracts for performing and supervising on-site installation preparations should be concluded with technically competent companies by the customer. The customer is responsible for timely and proper completion and supervision of all preparations for installation at the construction site in observance of all applicable legal regulations (e.g. X-ray regulations, radiation protection regulations) and all applicable general recognized rules of technology (e.g. VDE regulations, DIN standards). Execution and supervision of installation preparations at the construction site and later observance of the standard operating conditions are not included in our duties. The customer is responsible for checking the static calculations and, where applicable, the air conditioning in the building to be equipped.

Room lighting
Ambient lighting in rooms with diagnostics or with workstations must comply with the respective local and national regulations. General requirements like the needed intensity of illumination - adjustable, reproducible, flicker-free or a limitation of dazzlings and reflections etc. have to be observed (EN 12464-1, DIN 5035-7).

Room dimensioning
The indicated room dimensions have to be checked on site. The planning department has to be informed about possible deviations. Otherwise we cannot assume any guarantee for the accurate implementation of the dimensions indicated in the planning documents.

Display screen workstations
For setting up display screen workstations, take account of the guidelines in the Display Screen Workstation directive as well as any national regulations (e.g. EN ISO 9241-5).

Safety distances
Distances from moving parts of the medical device to walls, furniture and other equipment have to be kept to avoid injuries by crushing in compliance with local regulations, e.g. a minimum distance of 50 cm according to DIN EN ISO 13854. It is the customer's responsibility to ensure the above requirements are followed. This is to avoid the risk of injury.

Dimensioning
All installation measurements apply to finished wall/floor/ceiling and are to be checked prior to assembling the unit.
Orientation point = reference point of the Siemens Healthineers unit for planning and installation

Earthquake safety
For use in earthquake-endangered areas, separate mounting kits for the patient table and ceiling rails can be ordered. Additional for ceiling-mounted systems (ceiling, biplane) and DCS The ceiling sub-construction has to be prepared more precisely than stated in the standard PG because the fixation points should not be lowered with shims. The fixation points of the longitudinal rails must be horizontal in both the longitudinal and transverse directions: - Max. admissible level tolerance of the anchorage points in the rail longitudinal direction is limited to ≤ 0.5 mm over a length of 4 m. - Max. admissible height tolerance in the longitudinal direction between two adjacent fixation points is limited to ≤ 0.5 mm. - Max. admissible height tolerance in the transverse direction between two opposing fixation points is limited to ≤ 0.5 mm. In addition the maximum ceiling height for biplane systems has to be reduced to 2900 mm !

Basics of Planning

No.	Document No.	from	Document
01	ATHE-PGB.891.01.06.02	11.25	Artis Icono bi-plane PG
02		04.26	Approved proposal rev.2
03		11.25	Scanned drawing from the Hospital

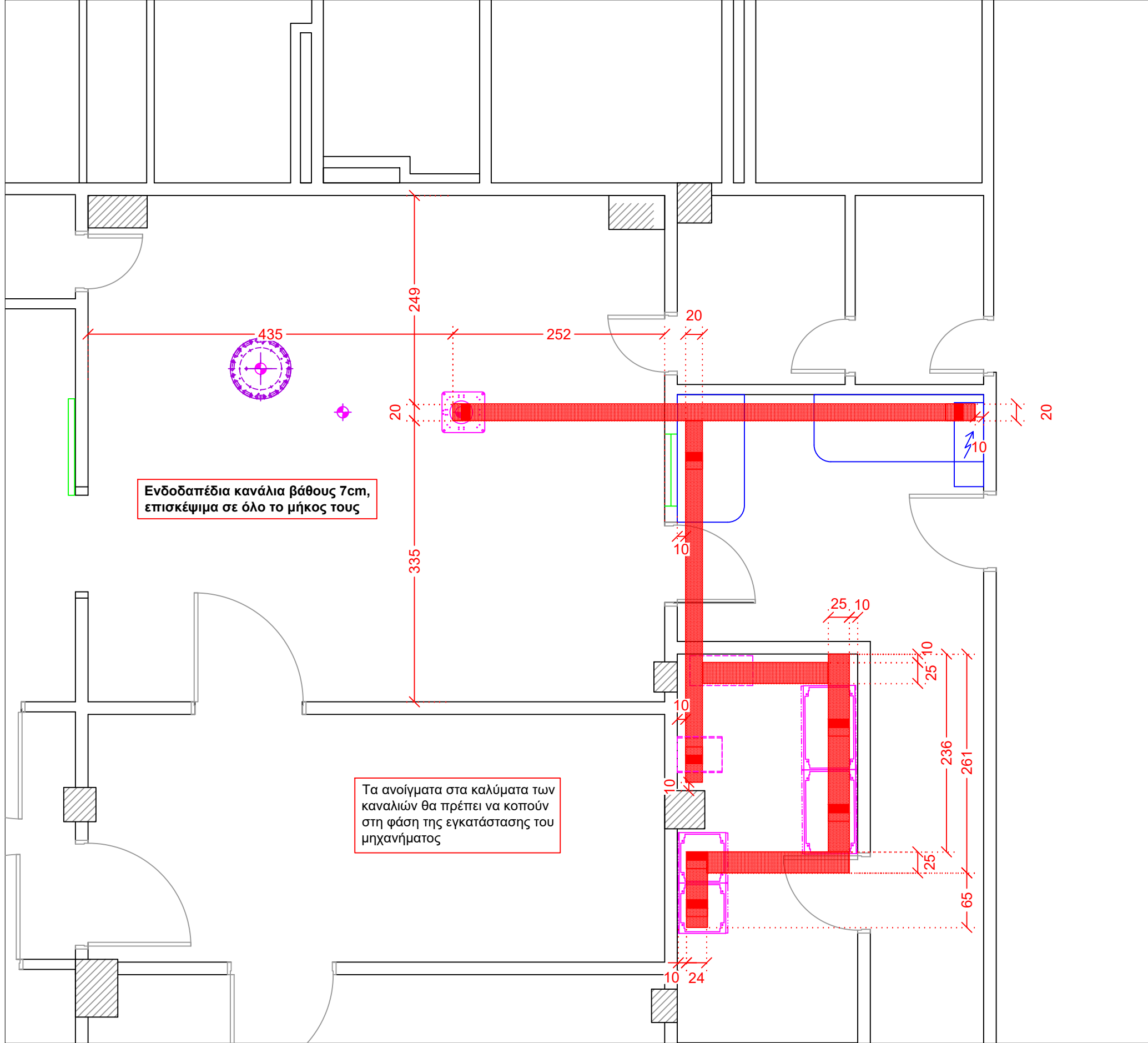
Unit arrangement

This was made in conformity with the constructional planning references and the project equipment. We reserve the right to make technical alterations. Before the construction work is completed it has to be ascertained that there are no changes in the original project.

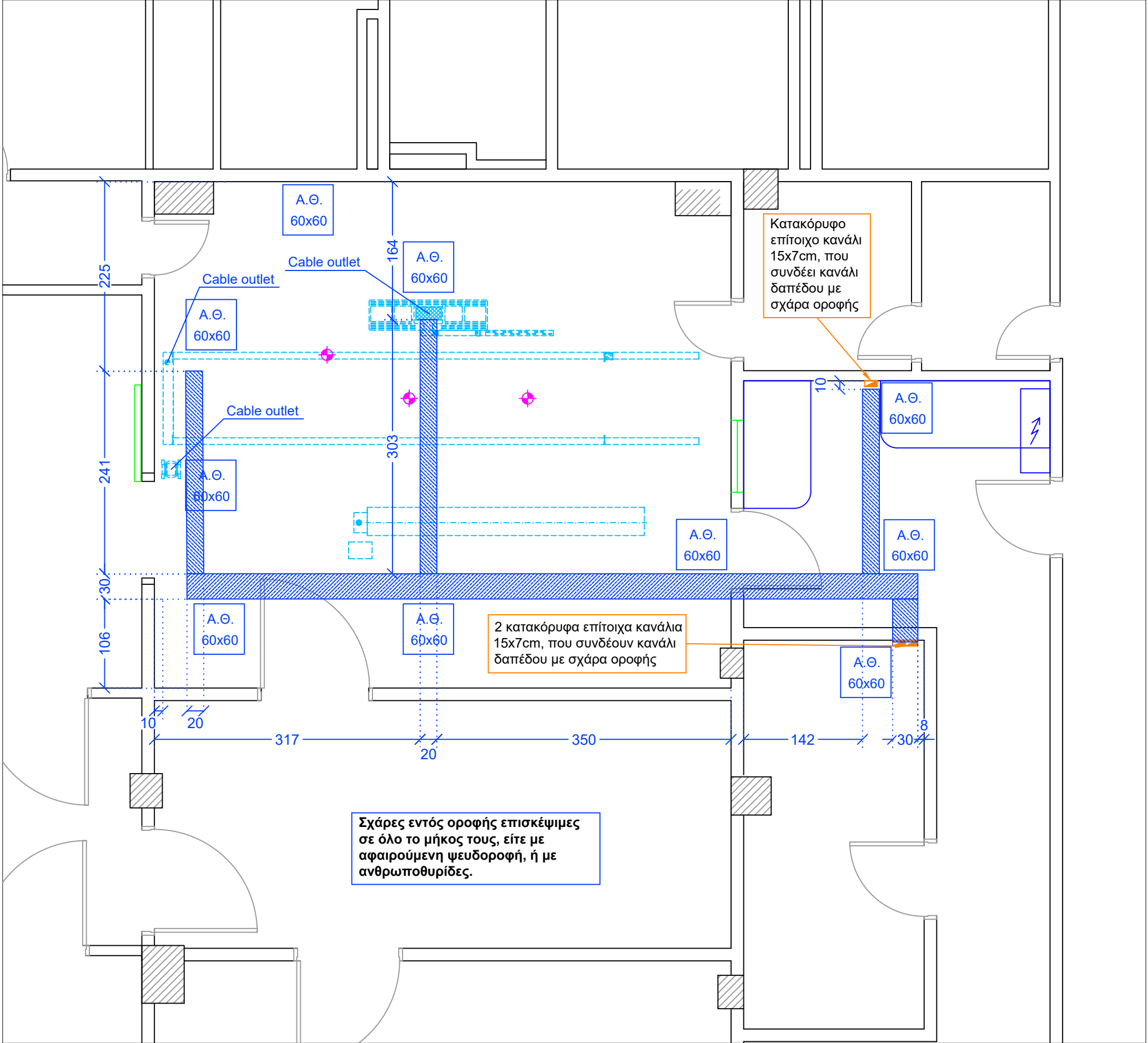
The scope of delivery and services is described and determined in the order confirmation. All data serve for the on-site preparation for installation and cabling of the Siemens Healthineers system in order to ensure correct operation.

Petropoulos N. 04.2026	Koukoulis L. 04.2026	
Edited	Checked	Released
SIEMENS HEALTHCARE AEBE Project Management & Planning team SHS EMEA SEU FI OTIC PM GRE Greece		
PA.G.N.I.		
IOANNINA		
AT Artis Icono bi-plane		
Project	File	Revision 1
		Page 1 of 6
		Size A1
		Scale 1:50

Ενδοδαπέδια κανάλια



Σχάρες οροφής και επίτοιχα κανάλια



Legend

cut-out, LxW (i. e. in FK or raised floor)

cut-out, Ø in mm (i.e. in suspended ceiling)

core hole, Ø in mm (minimum inner clearance required)

floor opening, top view LxW (break-throughs and openings, which delimit the fireproof area, must be closed on site after the installation is finished).

ceiling opening in ceiling above LxW (break-throughs and openings, which delimit the fireproof area, must be closed on site after the installation is finished).

wall break WxH (break-throughs and openings, which delimit the fireproof area, must be closed on site after the installation is finished).

name of a fixpoint or a connection point

cable fixing point

Access hatch in suspended ceiling not required if the ceiling tiles are easily removable
Size and position depending on structural conditions on site.

switch, installation according to national guidelines

grounded socket, installation according to national guidelines

grounded socket, switchable, installation according to national guidelines

10 Gbit

10 Gbit ethernet network socket

RJ45

network socket

UK

bottom edge

UK ABGD

bottom edge suspended ceiling

UK RHD

bottom edge bare ceiling

RHD

bare ceiling

ABGD

suspended ceiling

aABGD

above suspended ceiling

aD

on ceiling / suspended ceiling

BRH

parapet height

FK

cable duct WxD (minimum inner clearance required), accessible flush floor trunking system, moisture-proof, grounded

IK

cable trunking WxD, surface mounted

BK

perimeter/dado trunking WxD, surface mounted (i.e. for power and network sockets, etc.)

KW

cable tray WxD (i. e. in ceiling void)

LR

ductwork, Ø in mm (minimum inner clearance required)

warning lamp / indicator, ceiling mounted, wall mounted

OK

top edge

OK FFL

top edge finished floor

OK RFB

top edge unfinished floor

RFB

unfinished floor level

FFL

finished floor level

AFFL

above finished floor level

aFFL

on finished floor / raised floor

UZ

downstand beam

The installations for cable routing depicted in the drawing need to be reserved for the exclusive use by Siemens Healthineers.

Ράγες στήριξης οροφής

Petropoulos N.

04.2026

Edited

Koukoulis L.

04.2026

Checked

Released

SIEMENS

Healthineers

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IOANNINA

AT

Artis Icono bi-plane

Project

File

Revision

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Page

2 of 6

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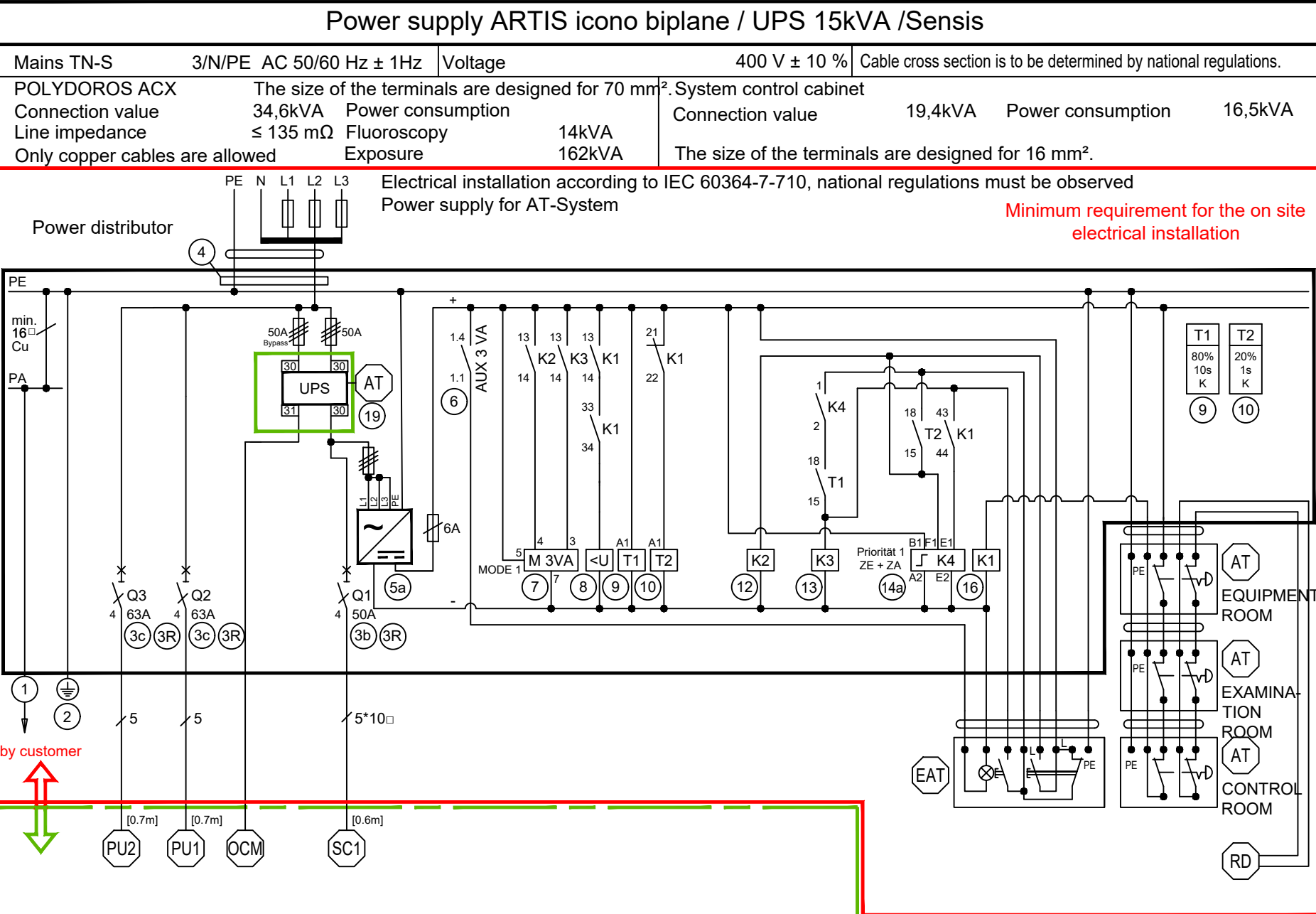
1:50

0 m

1 m

2 m

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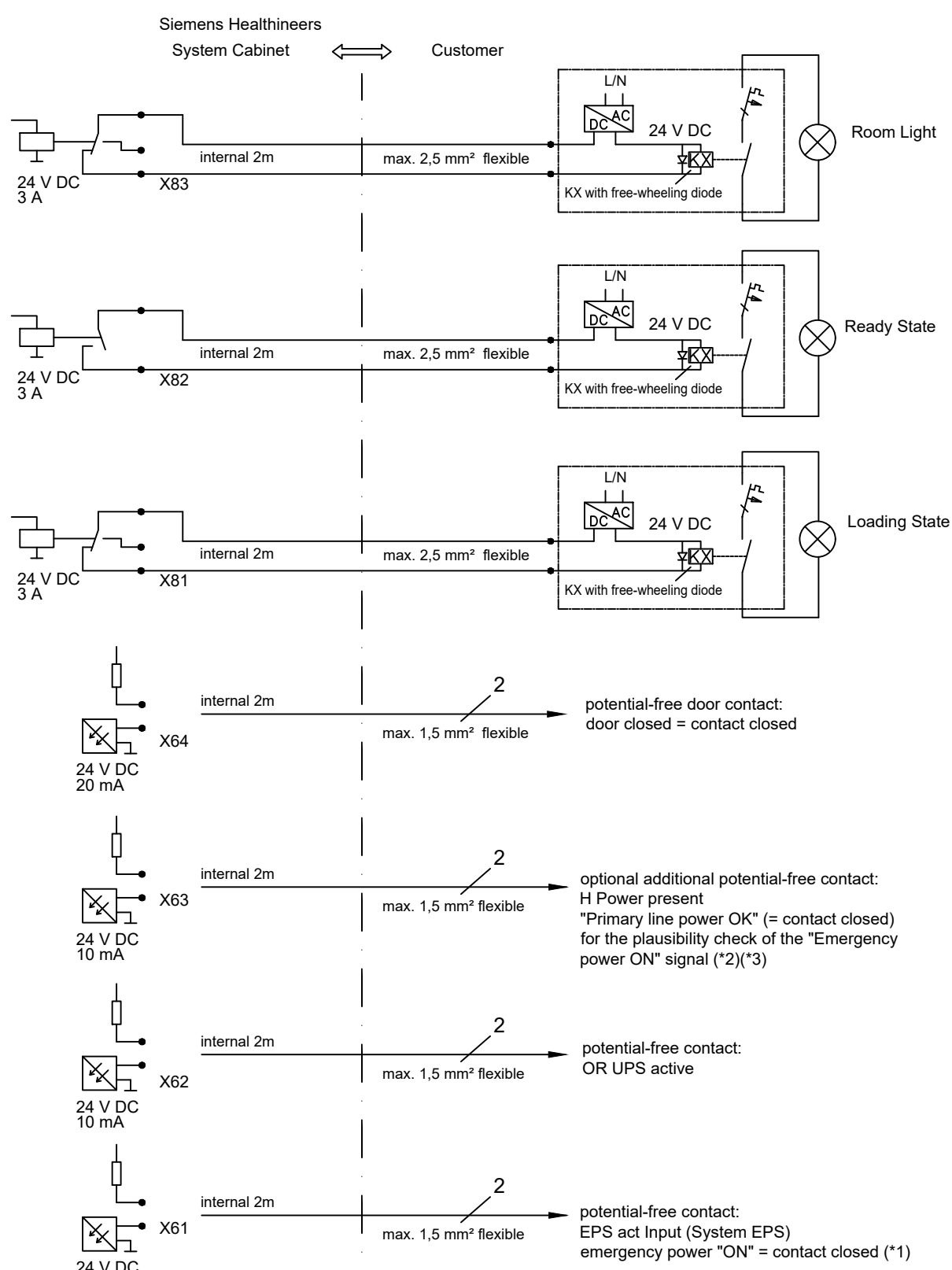


Legend electrical installation

1	To external conductive parts
2	Test jack 4 mm pin plug
3b	Circuit breaker 50A Siemens 3VA1150-4ED46-0AA0
3c	Circuit breaker 63A Siemens 3VA1163-4ED46-0AA0
3R	residual current device RCD Siemens 3VA9114-0RL21 Room Group 1 300mA, Room Group 2 30mA
4	Overvoltage protection
5a	24V DC power supply SITOP 6EP1436-2BA10
6	Auxiliary switch changeover contacts Siemens 3VA9988-0AA12
7	Side mounted motor 3VA per Circuit breaker 24V DC 3VA9117-0HB10
8	Undervoltage release for MCCB per Circuit breaker Siemens 3VA9908-0BB11
9	Timing relay 3RP2505-1AB30-0AC1
10	Timing relay Siemens 3RP2505-1AB30-0AC1
12	Contactor relay 24V DC 3RH2131-2BB40
13	Contactor relay 24V DC 3RH2131-2BB40
14a	Impulse switch Eltako ES 12Z-200-UC
16	Contactor relay 24V DC 3RH2131-2BB40
19	UPS 15kVA it must be installed a separate AT (onsite)
30	flexible cable use max. clamp size 10mm² on the UPS
31	Cable included in delivery 30m
Sensis	
61	Power supply must still be taken into account on site in the power distribution board
AT	Emergency off button with locking mechanism
CR2	Meas. station Sensis (E-Medicine control room)
EAT	On-off button with pilot lamp
OCM	Signal Rack for UPS

PU1	Generator (Power Unit 1)
PU2	Generator (Power Unit 2)
RD	Connection box for REPO cable
SC1	System Control Cabinet
	Energy cables which do not belong to the system must be separated prior to fitting the unit cables (distance >100 cm), or they must also be metallically shielded.
	Do not connect external components to the AT power supply line.
	The distributor can be ordered under the number 11501953. The additional blocks 60, 61, and 62 are not included.

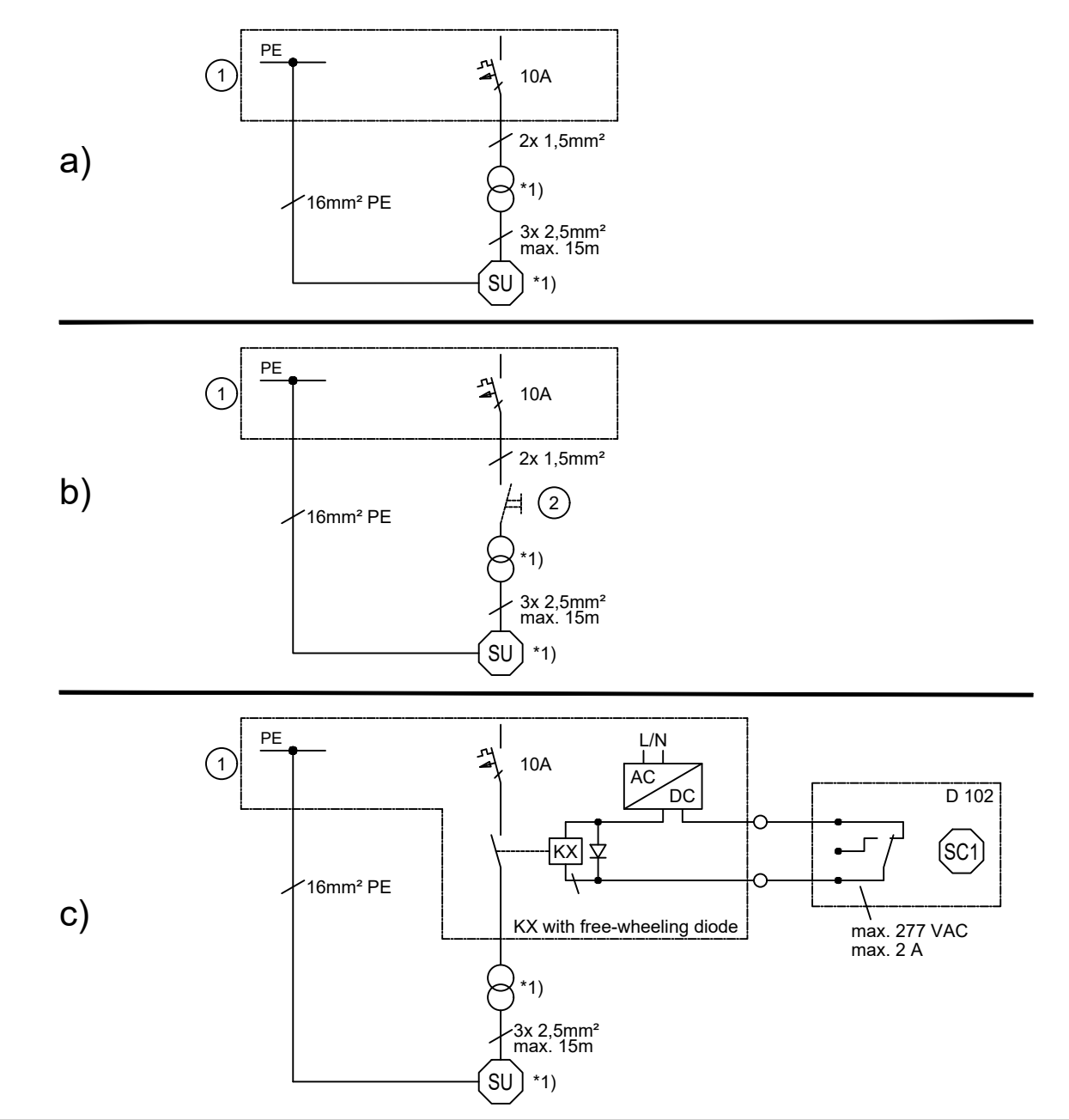
Room Light, Radiation Display, Door Contact, EPS



(*1) When " emergency power ON " , exposure mode is blocked and only emergency fluoroscopy is possible.
(*2) The additional (optional) potential-free contact " Primary line power OK " , represents an additional safety measure to block exposure mode during emergency power mode. It is recommended to plan for this contact. With the ACX generator, an on-site button that switches this connection back to normal mode is recommended if the grid is unstable, the system will not be forced to toggle back and forth between both modes)
(*3)

Power supply Surgery lamp

In Group 2 rooms, the surgery lamp shall be connected to the in house backup power supply (IT power grid).



The light can be connected:

- directly
- via wall switch
- via the potential-free contact of the D102/M102

1 Electronics distributor / room distributor

2 Connection via wall switch

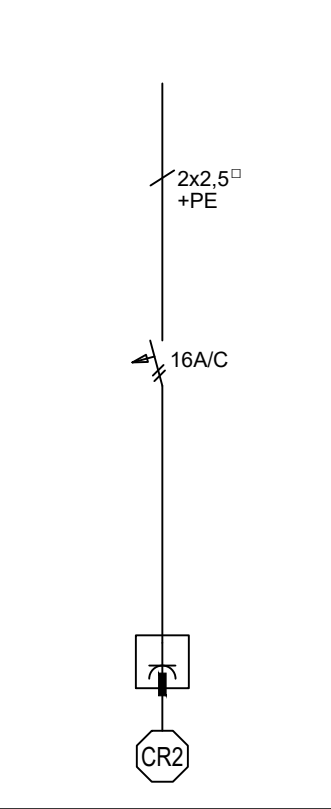
SU Surgery lamp LED

SC1 System control cabinet

*1 Power supply and Surgery lamp LED are included in scope of delivery

Wiring diagram Sensis

For Group 2 rooms, the Sensis must be connected to the on-site safety power supply (IT network).



⊘ grounded socket, installation according to national guidelines

⊗ warning lamp / indicator, ceiling mounted, wall mounted

RJ45 network socket

Fixpoint legend

Fixpoint	Components	Location
CU1	Cooling unit tube plane 1	Floor
CU2	Cooling unit tube plane 2	Floor
RD	Connection box for REPO cable + 3 m flexible cable on-site required for REPO	Wall
IS	Image system	Floor
PU1	Generator - plane 1	Floor
PU2	Generator - plane 2	Floor
SC1	System control cabinet	Floor
SU	Surgery lamp	Ceiling
T1	Patient table	Floor
TR1	Control Console Trolley	Ceiling
UPS	Uninterruptible Power Supply	Floor
OCM	Status Display for UPS	Ceiling
SW	X-ray warning lamp	Wall
AT	Emergency off button with locking mechanism	Wall
EAT	On-off button with pilot lamp	Wall
UV	Power distributor	Wall

