



3D-view 1



3D-view 2



3D-view 3 No Roof



3D-view 4, inside Head House



3D-view 5, inside Head House



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ordered by
Hrabal Architektur

concerning
New greenhouse complex
3D Renderings

scale
date 05-10-2021
drawn by M.V.
revision 000
size A3

project nr.
0123.027

drawing nr.
R01

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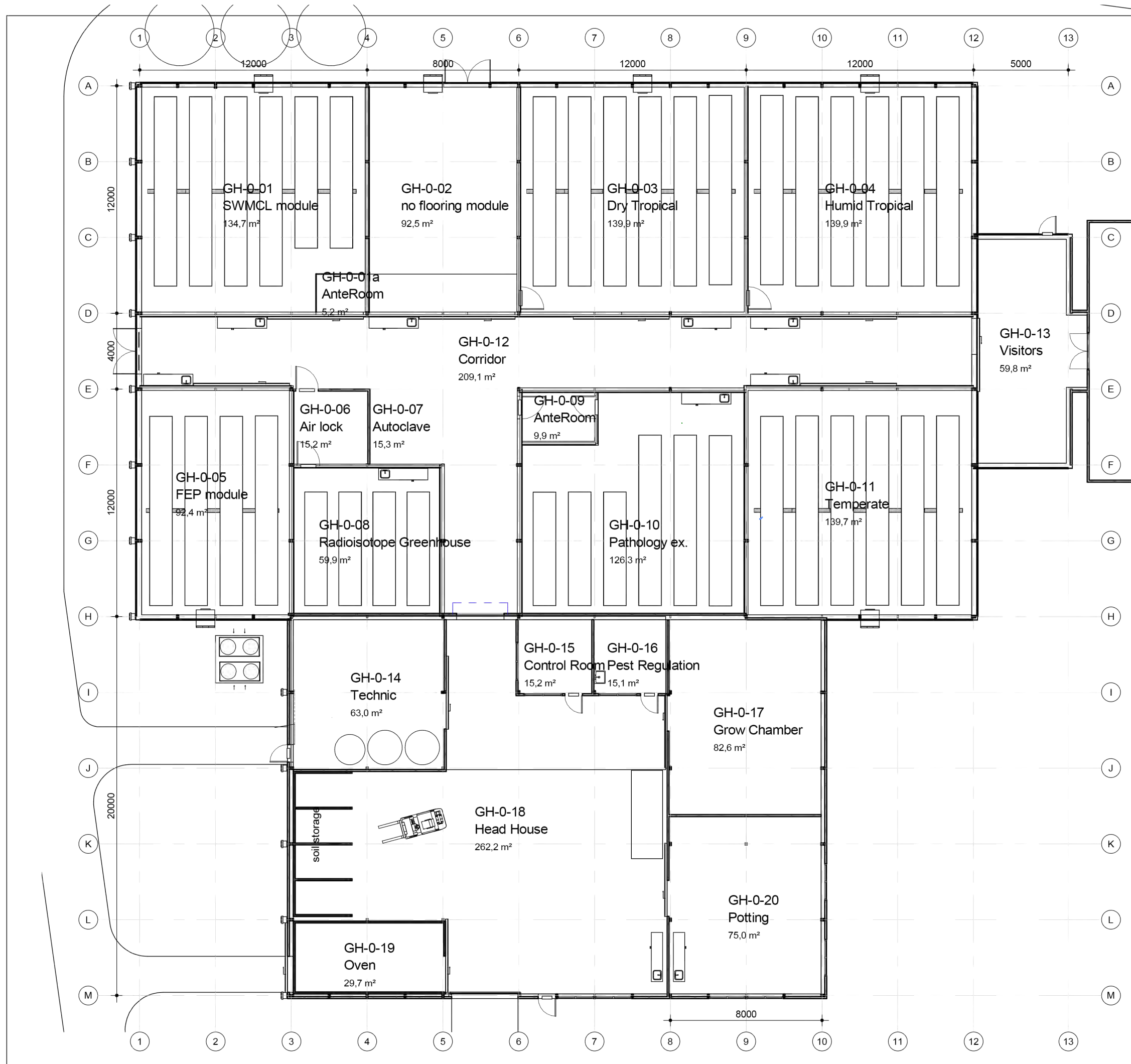
concerning
New greenhouse complex
Situation

scale 1:500
date 05-10-2021
drawn by M.V.
revision 001
size A3

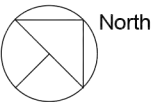
project nr.
0123.027

drawing nr.
S01

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ruimteoverzicht		
Nr	Ruimte	Opp
	Room	Not Placed
GH-0-01	SWMCL module	134,7 m²
GH-0-01a	AnteRoom	5,2 m²
GH-0-02	no flooring module	92,5 m²
GH-0-03	Dry Tropical	139,9 m²
GH-0-04	Humid Tropical	139,9 m²
GH-0-05	FEP module	92,4 m²
GH-0-06	Air lock	15,2 m²
GH-0-07	Autoclave	15,3 m²
GH-0-08	Radioisotope Greenhouse	59,9 m²
GH-0-09	AnteRoom	9,9 m²
GH-0-10	Pathology ex.	126,3 m²
GH-0-11	Temperate	139,7 m²
GH-0-12	Corridor	209,1 m²
GH-0-13	Visitors	59,8 m²
GH-0-14	Technic	63,0 m²
GH-0-15	Control Room	15,2 m²
GH-0-16	Pest Regulation	15,1 m²
GH-0-17	Grow Chamber	82,6 m²
GH-0-18	Head House	262,2 m²
GH-0-19	Oven	29,7 m²
GH-0-20	Potting	75,0 m²
		1782,7 m²



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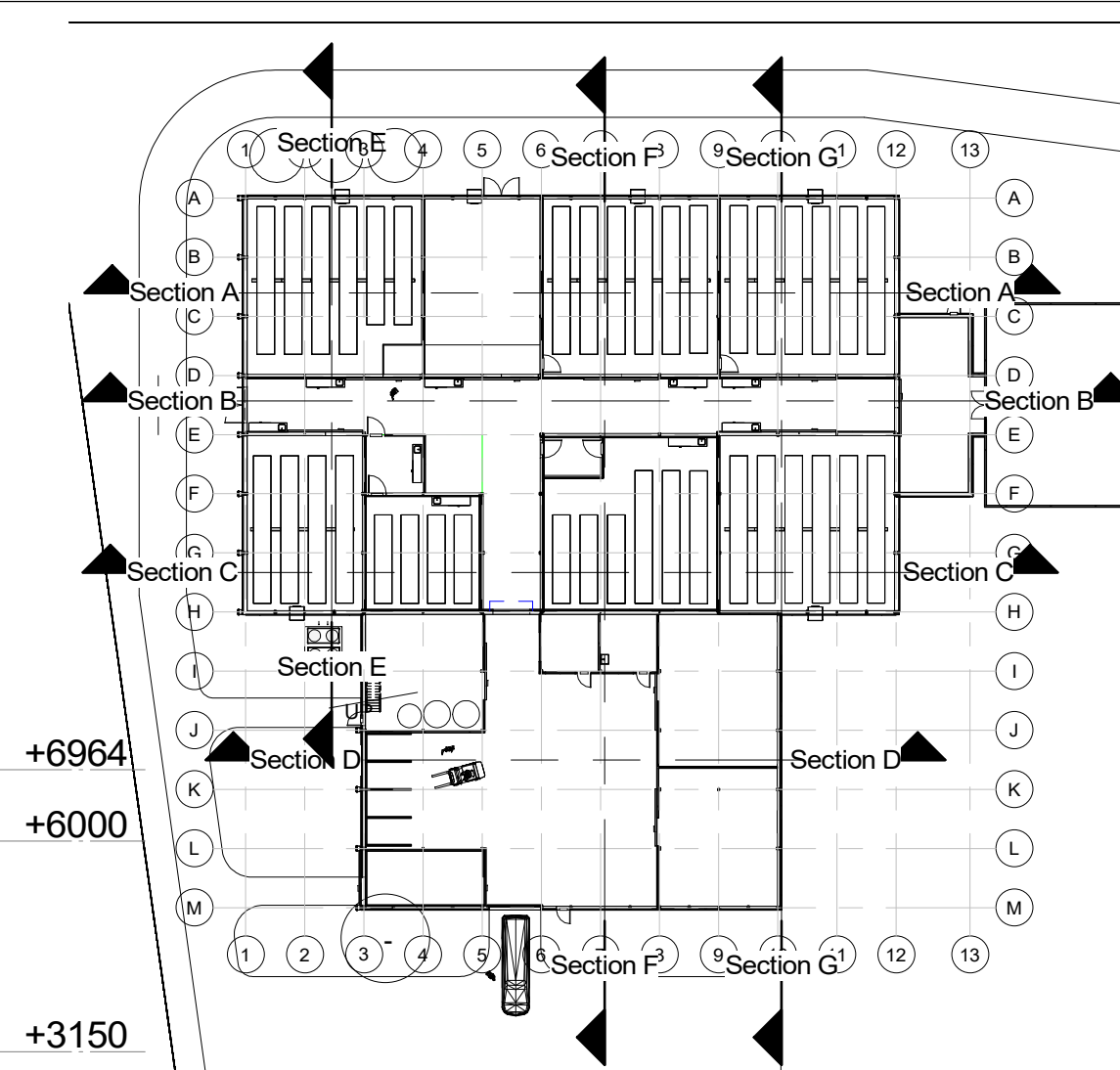
concerning
**New greenhouse complex
Total plan**

scale 1:200
date 05-10-2021
drawn by M.V.
revision 009
size A3

project nr.
0123.027

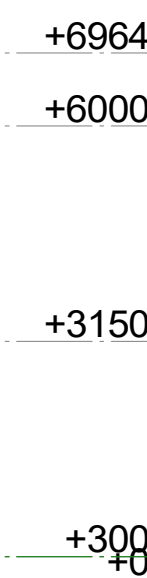
drawing nr.
K01

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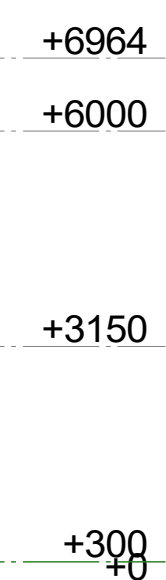
Section A

① Scale 1 : 100



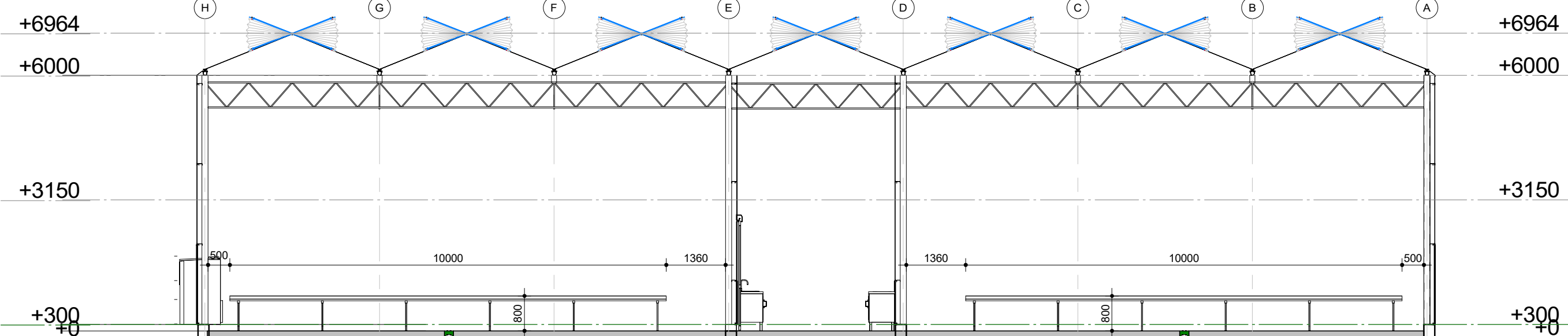
Section B

Scale 1 : 100



Section C

Scale 1 : 100

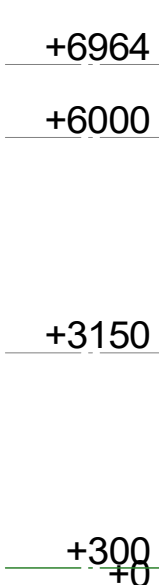


Section D

Scale 1 : 100

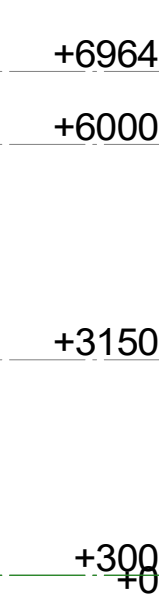
Section E

Scale 1 : 100



Section F

Scale 1 : 100



Section G

Scale 1 : 100



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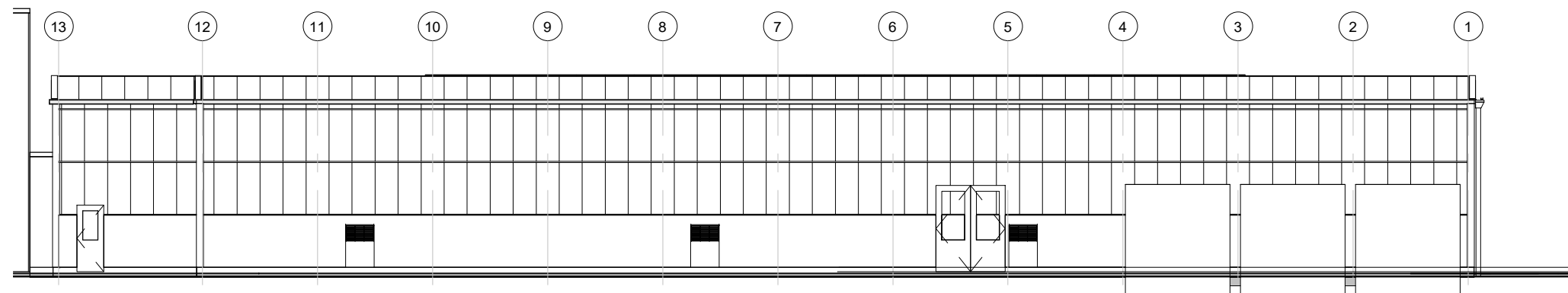
concerning
New greenhouse complex
Sections

scale	1:100
date	05-10-2021
drawn by	M.V.
revision	008
size	A1

project nr.	0123.027
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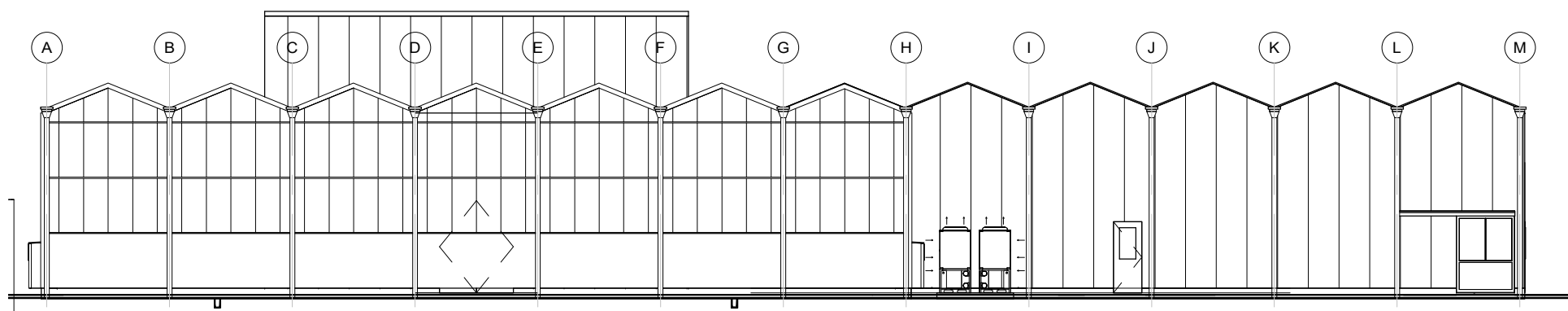
drawing nr. K02

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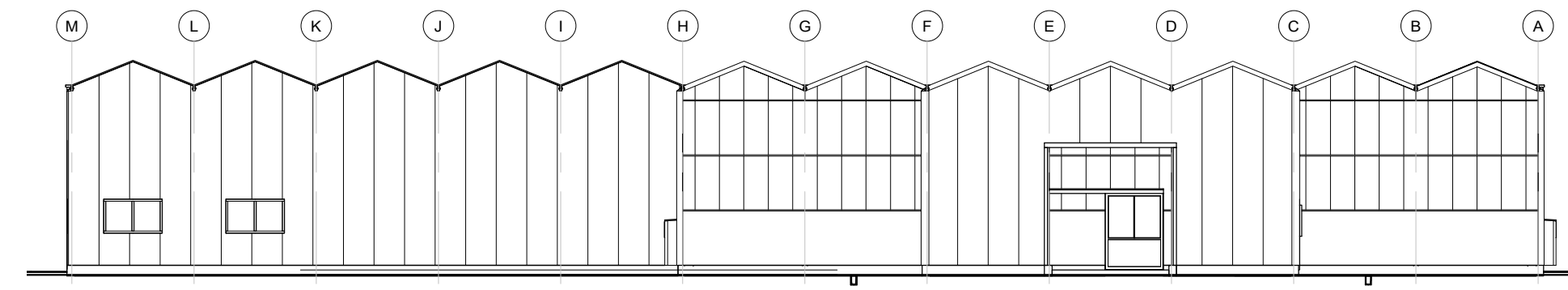
North-West view

Scale 1 : 200



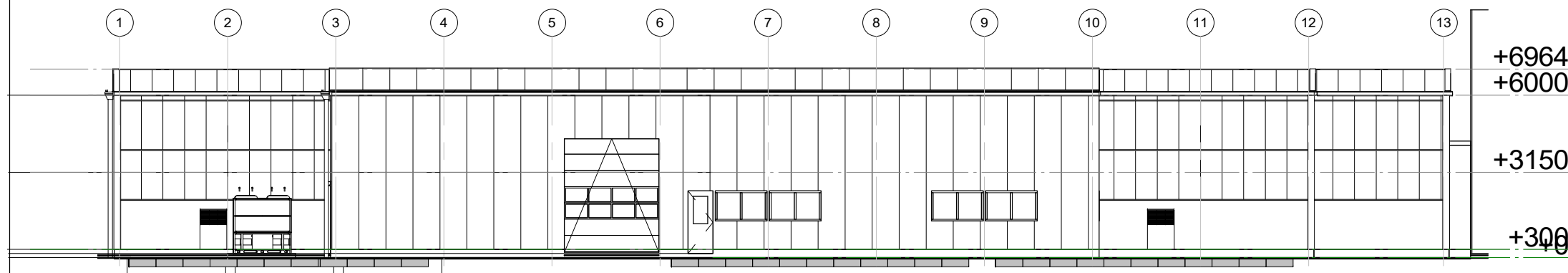
South-West view

Scale 1 : 200



North-East view

Scale 1 : 200



South-East view

Scale 1 : 200



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concerning

New greenhouse complex
Views

scale 1:200

date 05-10-2021

drawn by M.V.

revision 007

size A3

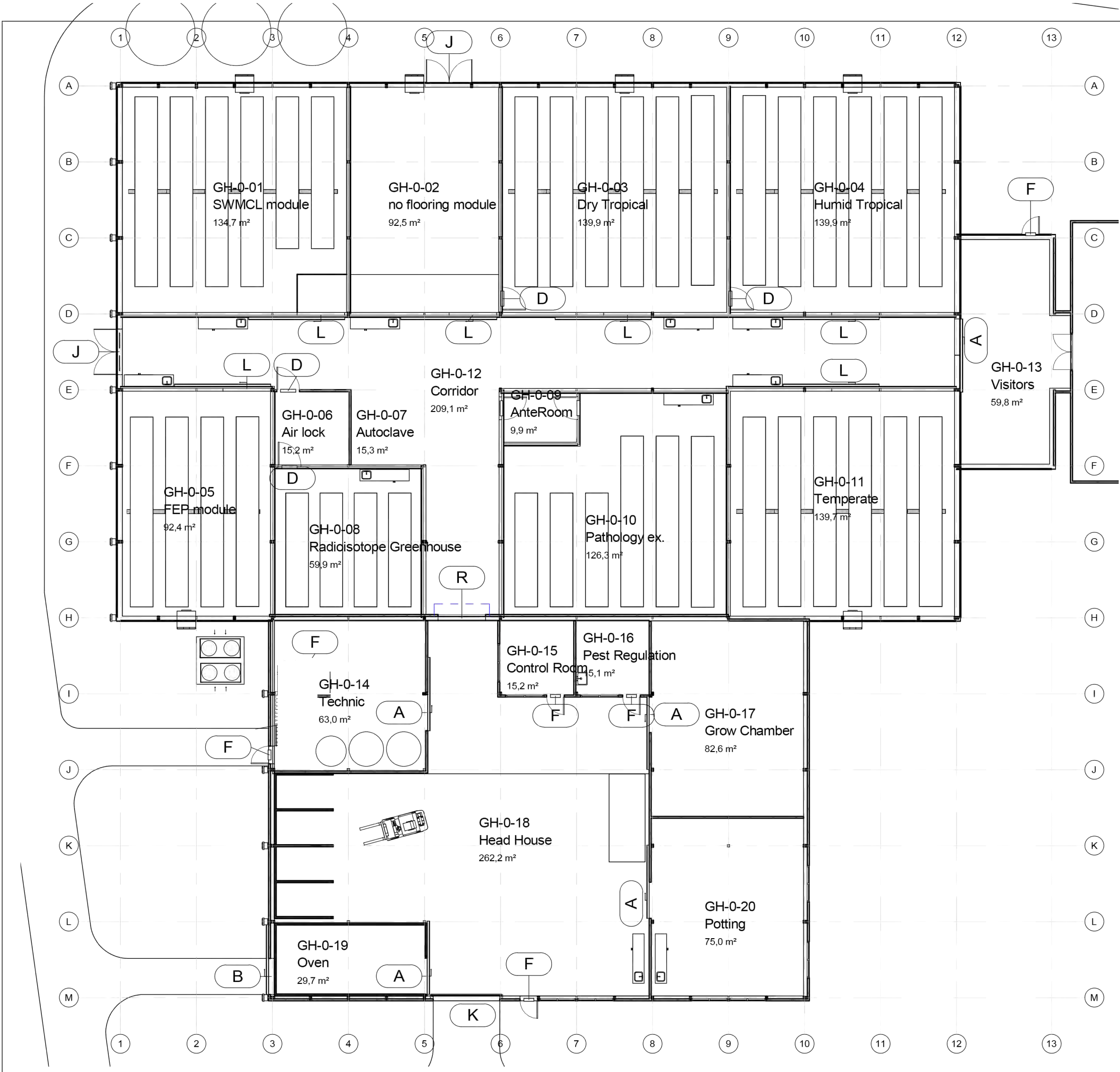
project nr.

0123.027

drawing nr.

K03

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Schedule - Doors				
Code	Description	Width	Height	Count
A	Sliding Door	1900	2500	5
B	Sliding Door floor rail	1900	2500	1
D	binnendeur enkel	1200	2315	6
F	Single Door 930	930	2315	6
J	Double door	2400	3000	2
K	Overhead Door	3500	4200	1
L	Sliding Door top rail	2500	2500	6
R	Speedroller	2500	2500	1



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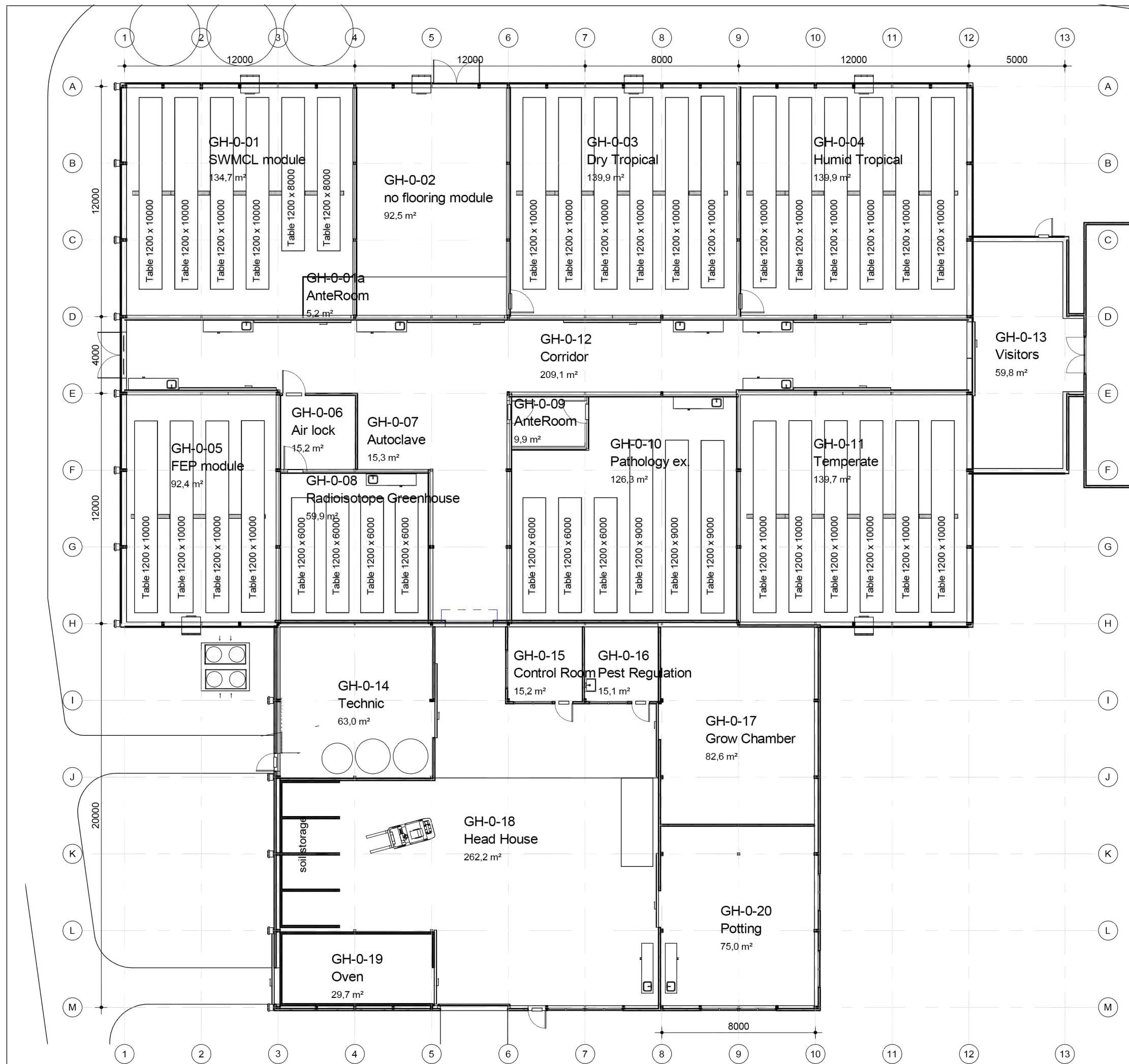
concerning
New greenhouse complex
Doors

scale 1:200
date 05-10-2021
drawn by M.V.
revision 009
size A3

project nr.
0123.027

drawing nr.
K04

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concerning

New greenhouse complex
Plan tables

scale 1:200

date 05-10-2021

drawn by M.V.

revision 005

size A3

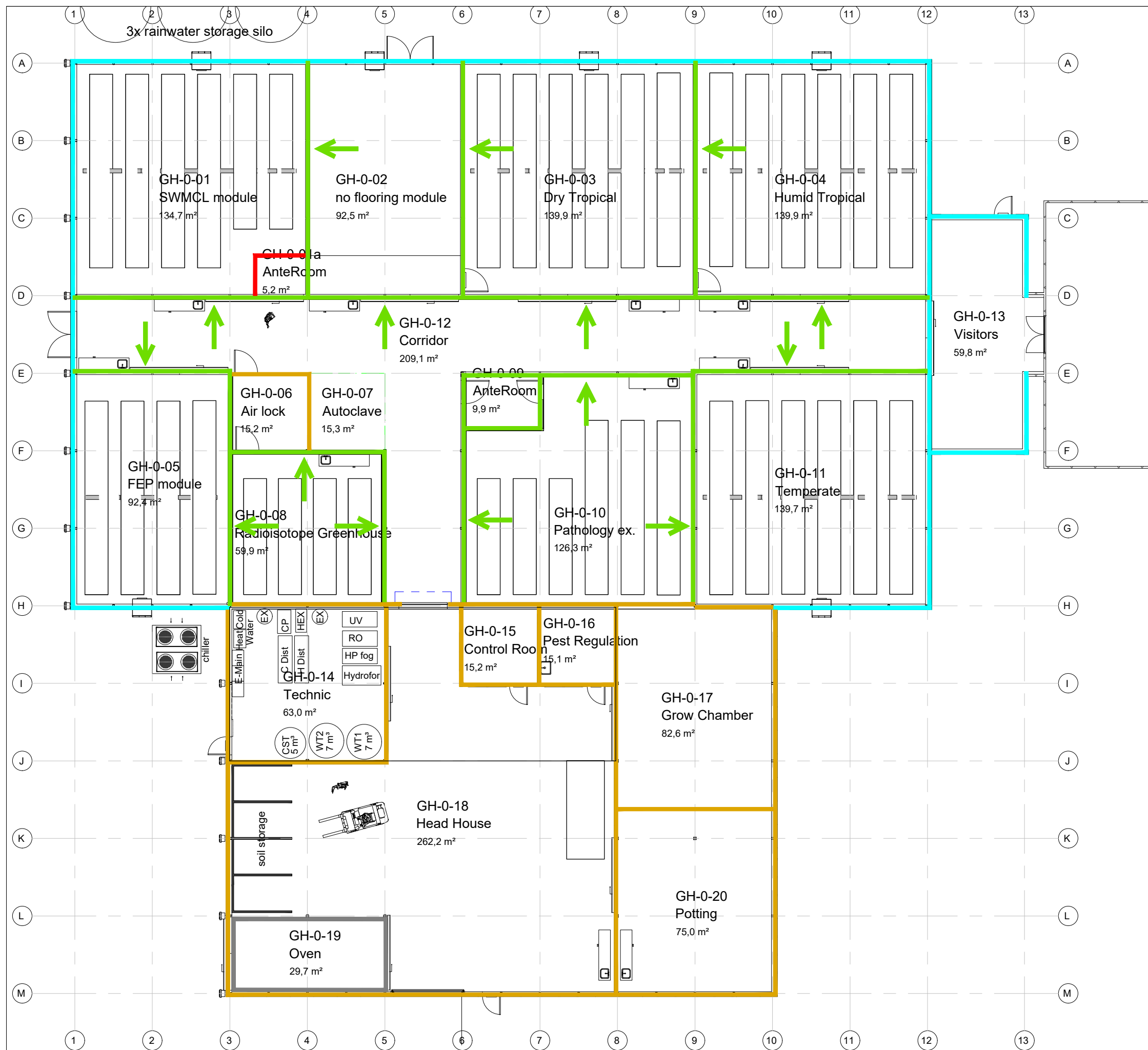
project nr.

0123.027

drawing nr.

K05

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Walls:

- Polycarbonate
- Glass
- Glass side
- Sandwich panels
- Insect netting
- Concrete wall by customer



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opdrachtgever

Hrabal Architektur

betreft

New greenhouse complex
Walls

schaal 1:200
datum 05-10-2021
getekend M.V.
revisie 003
afmeting A3

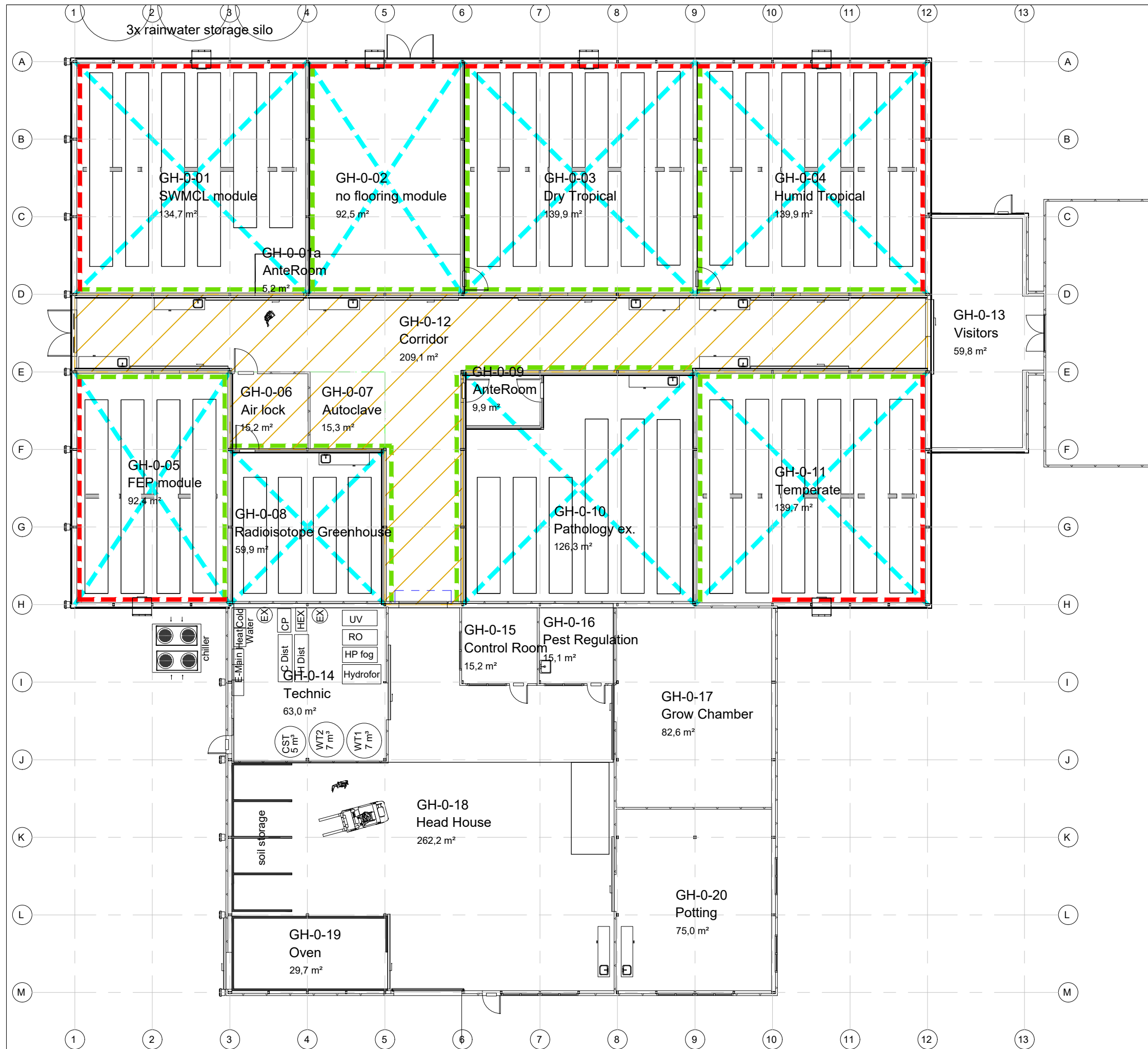
project nr.

0123.027

drawing nr.

K07

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- Screens:
- Double horizontal screens
 - Vertical twin roll screen
 - Vertical gable roll screen
 - Single horizontal screen



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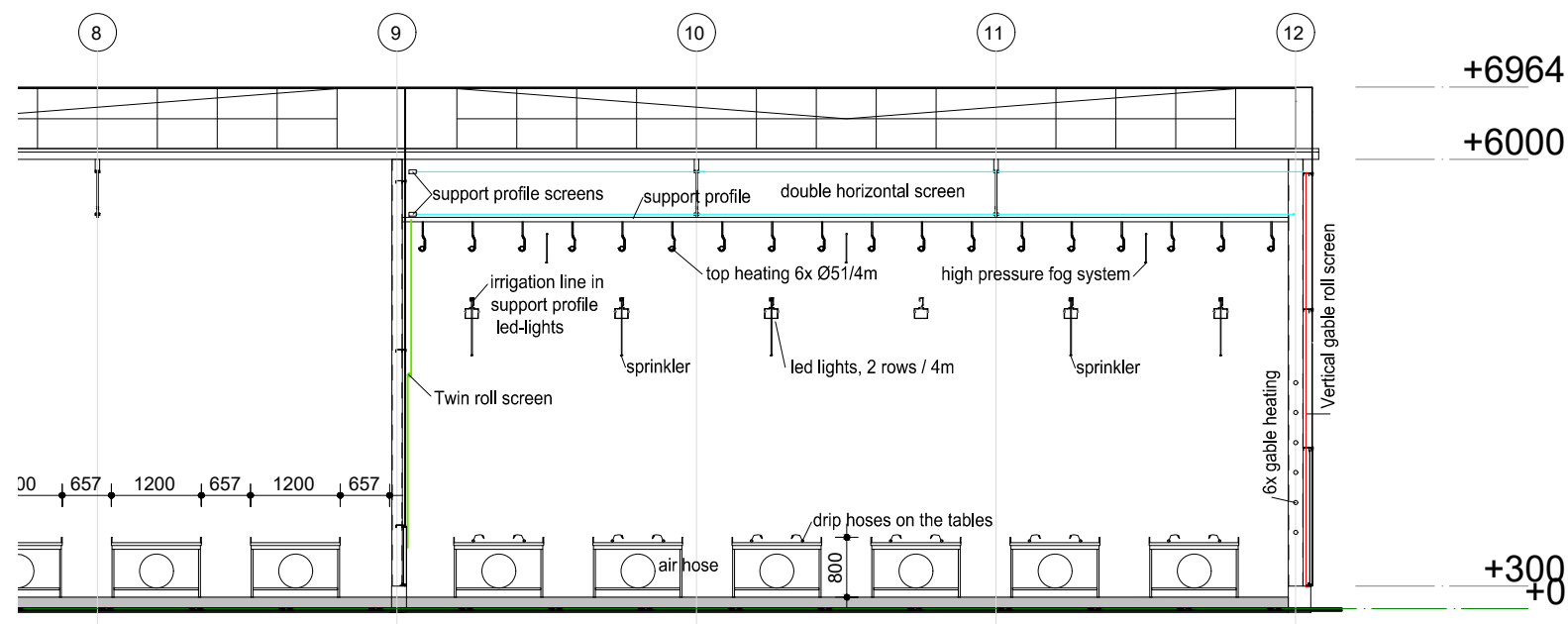
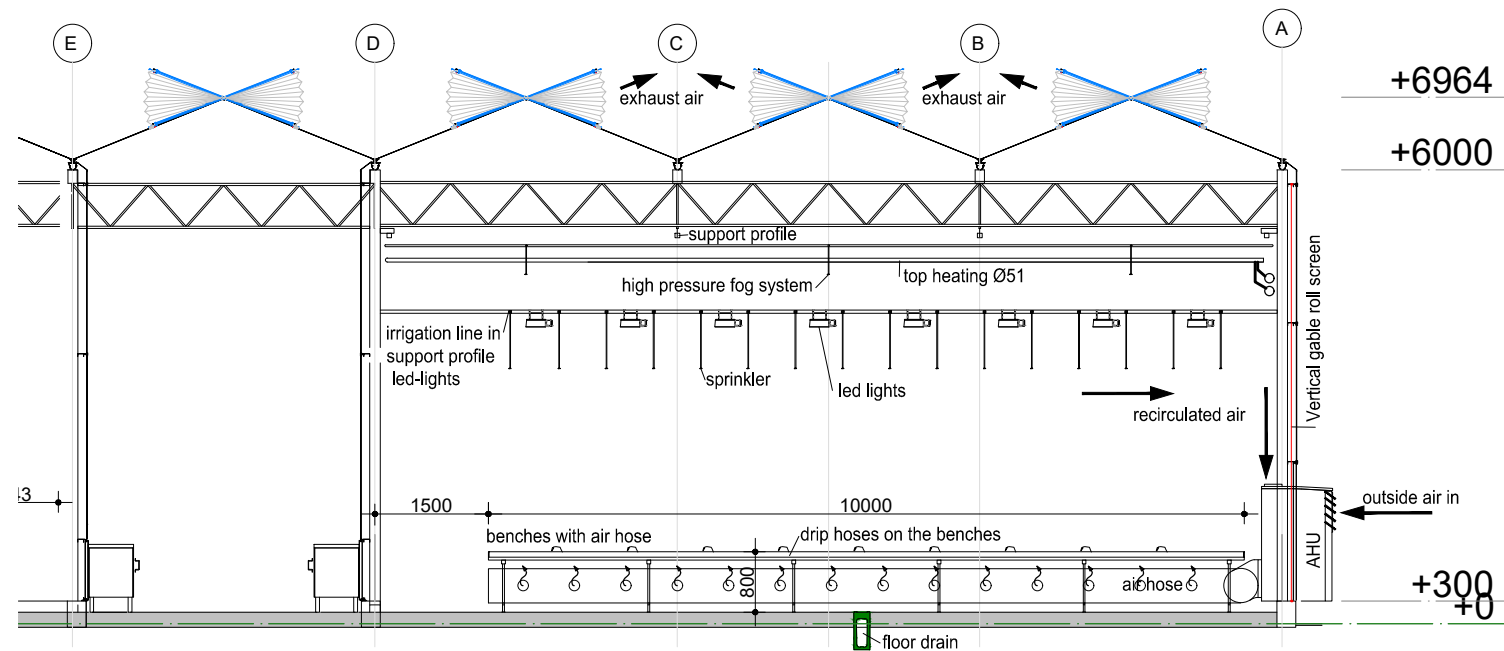
concerning
**New greenhouse complex
Screens**

scale 1:200
date 05-10-2021
drawn by M.V.
revision 003
size A3

project nr.
0123.027

drawing nr.
K08

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ordered by

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concerning

New greenhouse complex
Sections

scale 1:100

date 05-10-2021

drawn by M.V.

revision 003

size A3

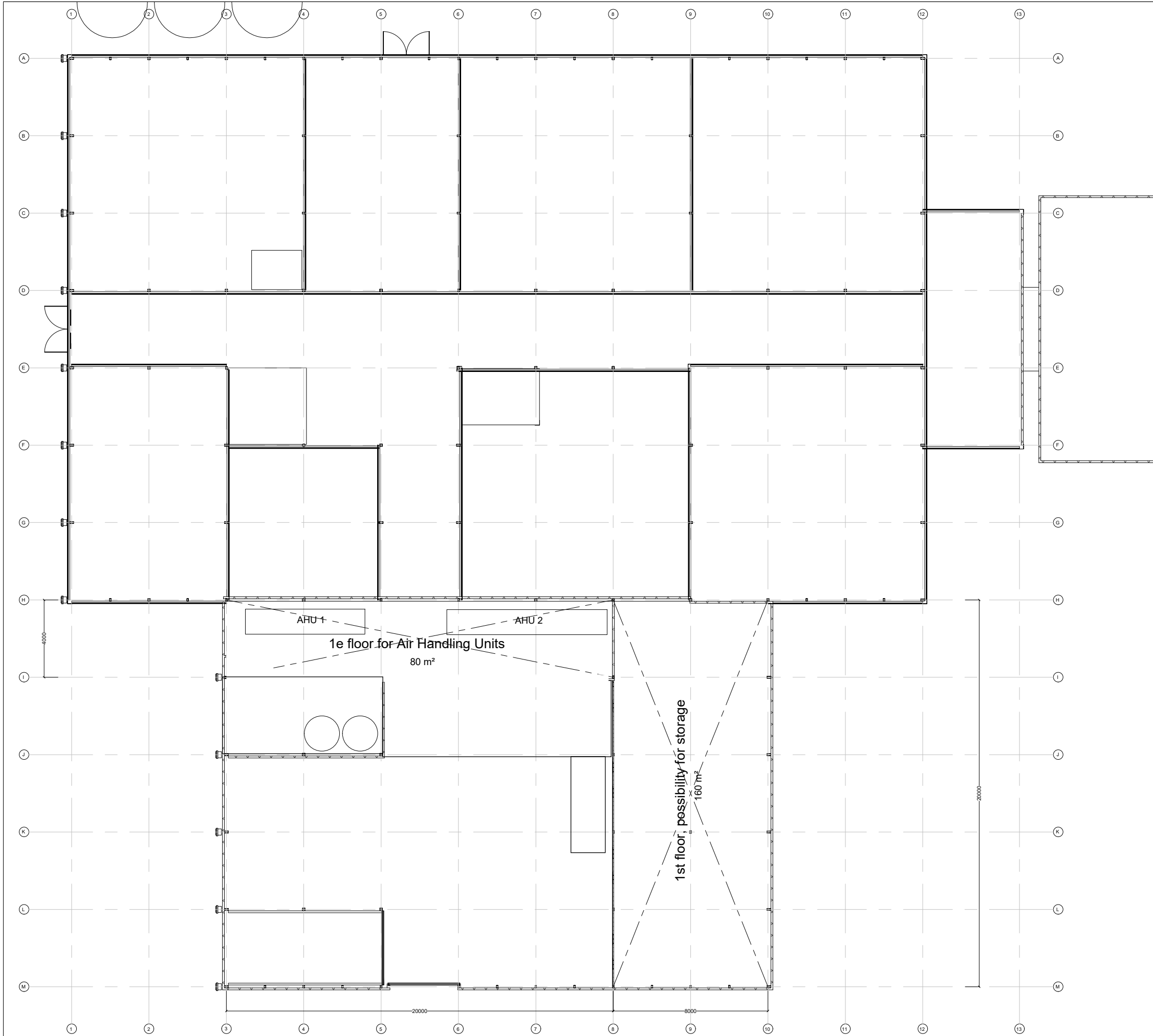
project nr.

0123.027

drawing nr.

K10

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opdrachtgever
Hrabal Architektur

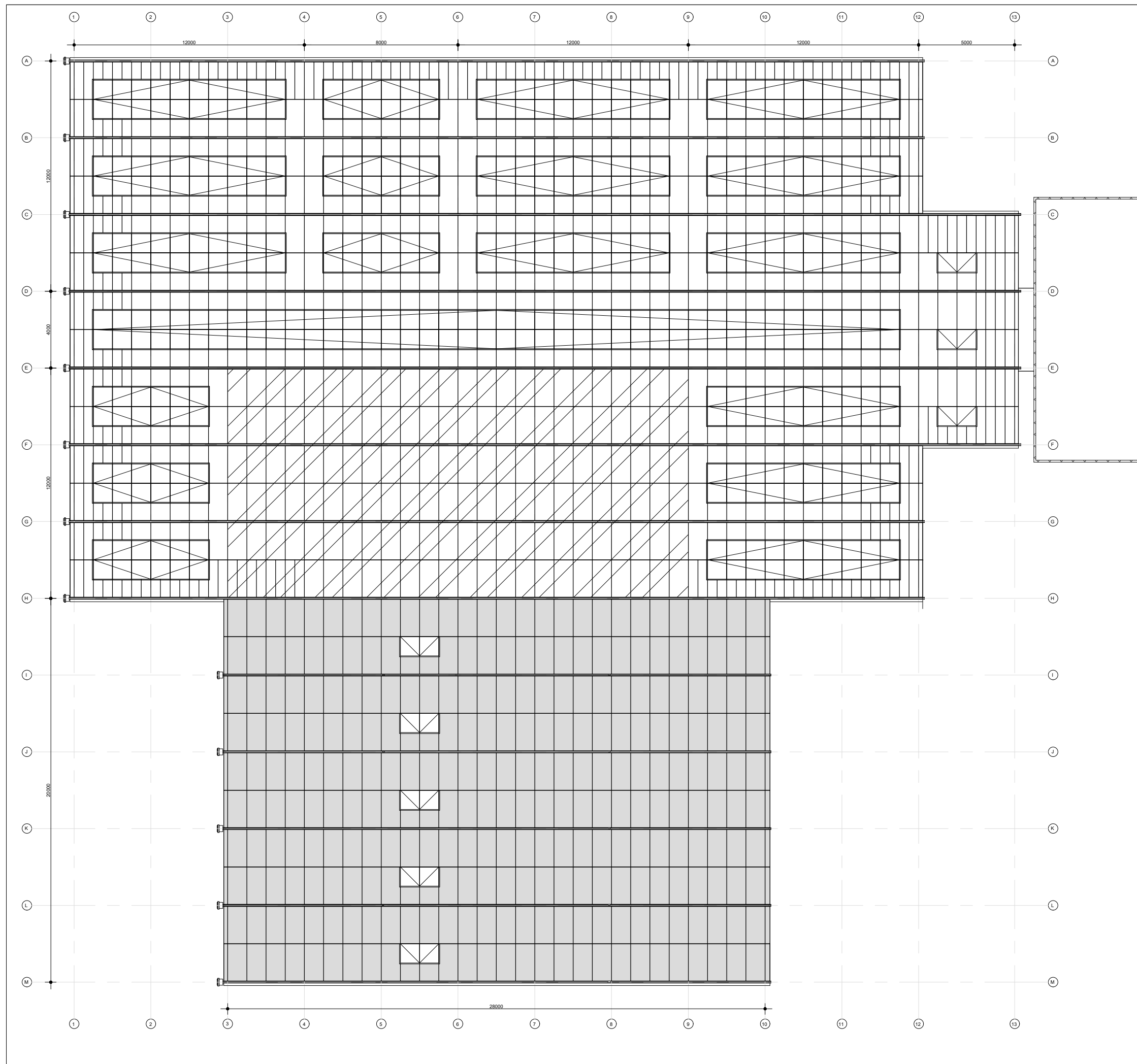
betreft
New greenhouse complex
1st Floor

schaal 1:200
datum 05-10-2021
getekend M.V.
revisie 000
afmeting A3

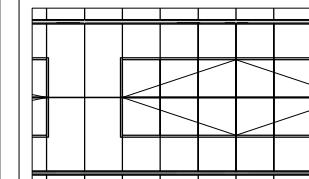
project nr.
0123.027

drawing nr.
K14

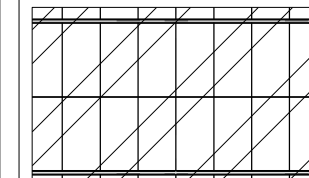
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Greenhouse:



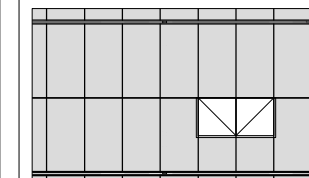
Roof with 4.0 mm glass,
de-ironised, tempered
and air ventilation windows
with insect netting



Roof with 3+0.6+2.8=6.4mm
de-ironised, tempered,
UV-permeable, laminated, glass

For the greenhouse roof, polycarbonate is an alternative.

Headhouse:



Roof with 60 mm PIR sandwich
panelling
and air ventilation windows
with insect netting



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concerning

New greenhouse complex
Roof view

scale 1:200

date 29-09-2021

drawn by M.V.

revision 002

size A3

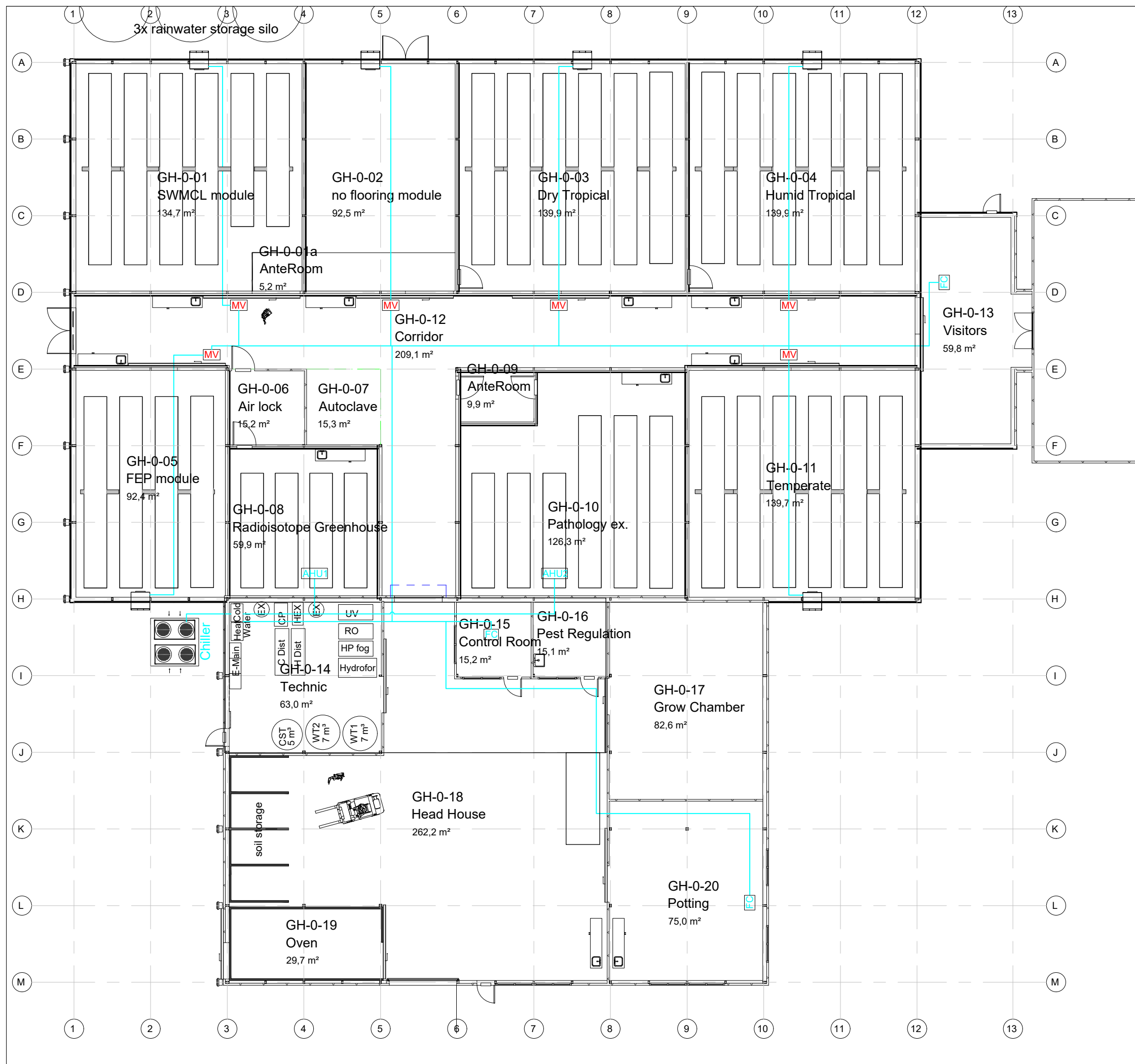
project nr.

0123.027

drawing nr.

K06

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Note:

MV Motor valve
FC Fan coil



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concerning
New greenhouse complex
Plan cooling

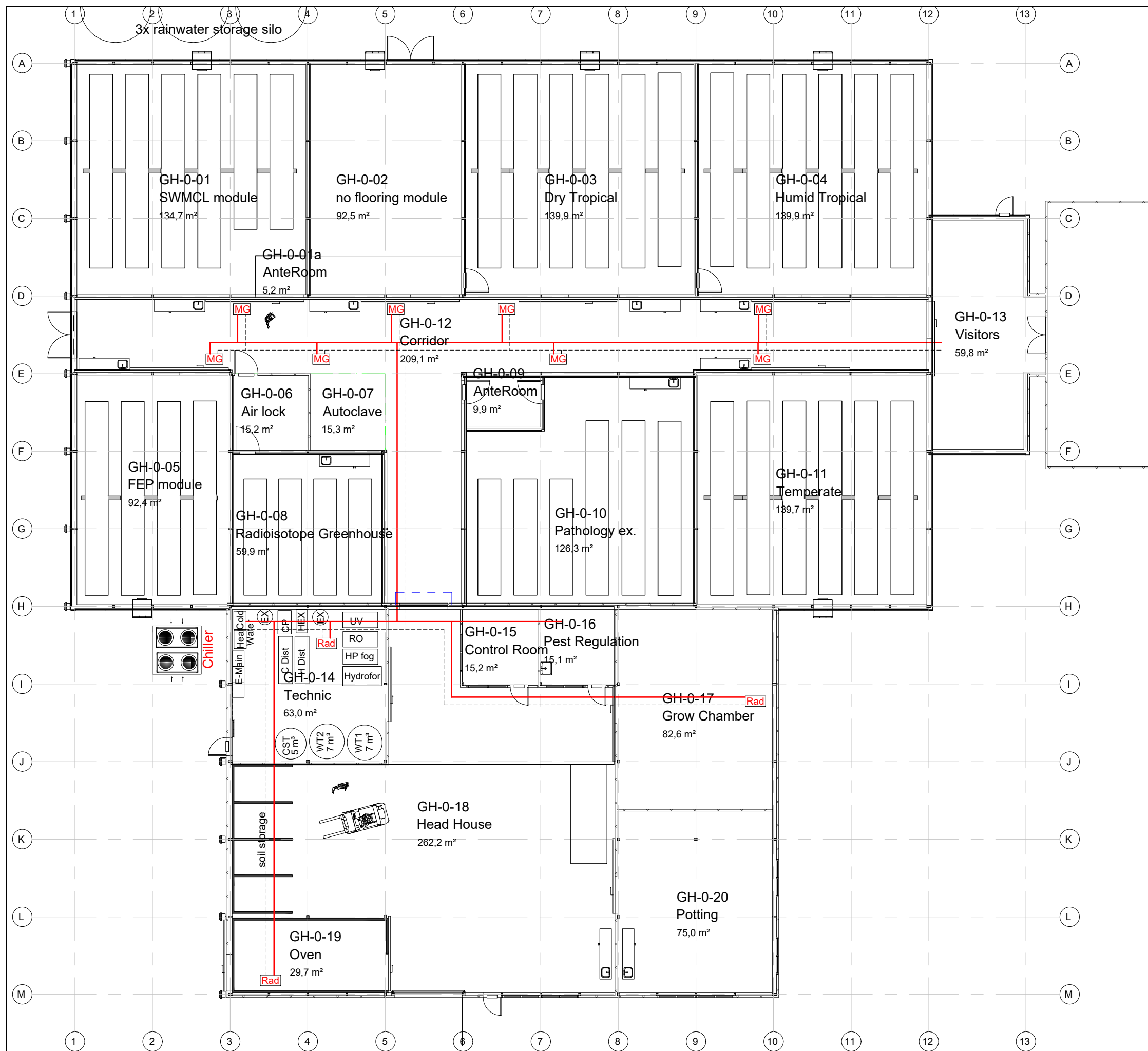
scale 1:200
date 05-10-2021
drawn by M.V.
revision 001
size A3

project nr.
0123.027

drawing nr.
C01

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file name: c01 0123027 - cooling



Note:

MG Mixing Group

Rad Radiator

--- Transport lines



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concerning

New greenhouse complex
Top heating & radiators

scale 1:200

date 05-10-2021

drawn by M.V.

revision 000

size A3

project nr.

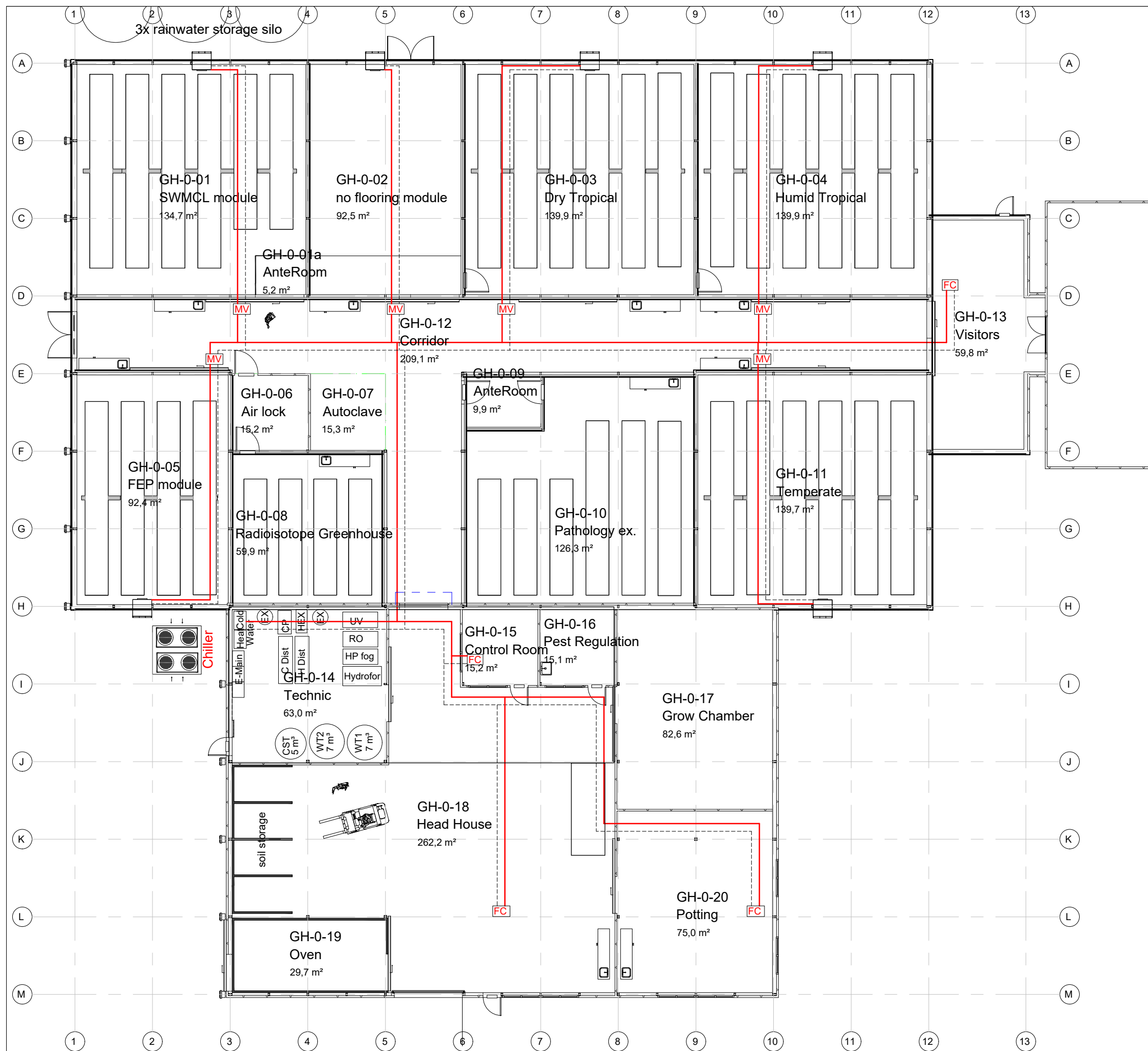
0123.027

drawing nr.

H01

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file name: h01 0123027 - top heating



Note:

MV Motor valve

FC Fan Coil

Transport lines



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ordered by

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concerning

New greenhouse complex
AHU heating

scale 1:200

date 05-10-2021

drawn by M.V.

revision 000

size A3

project nr.

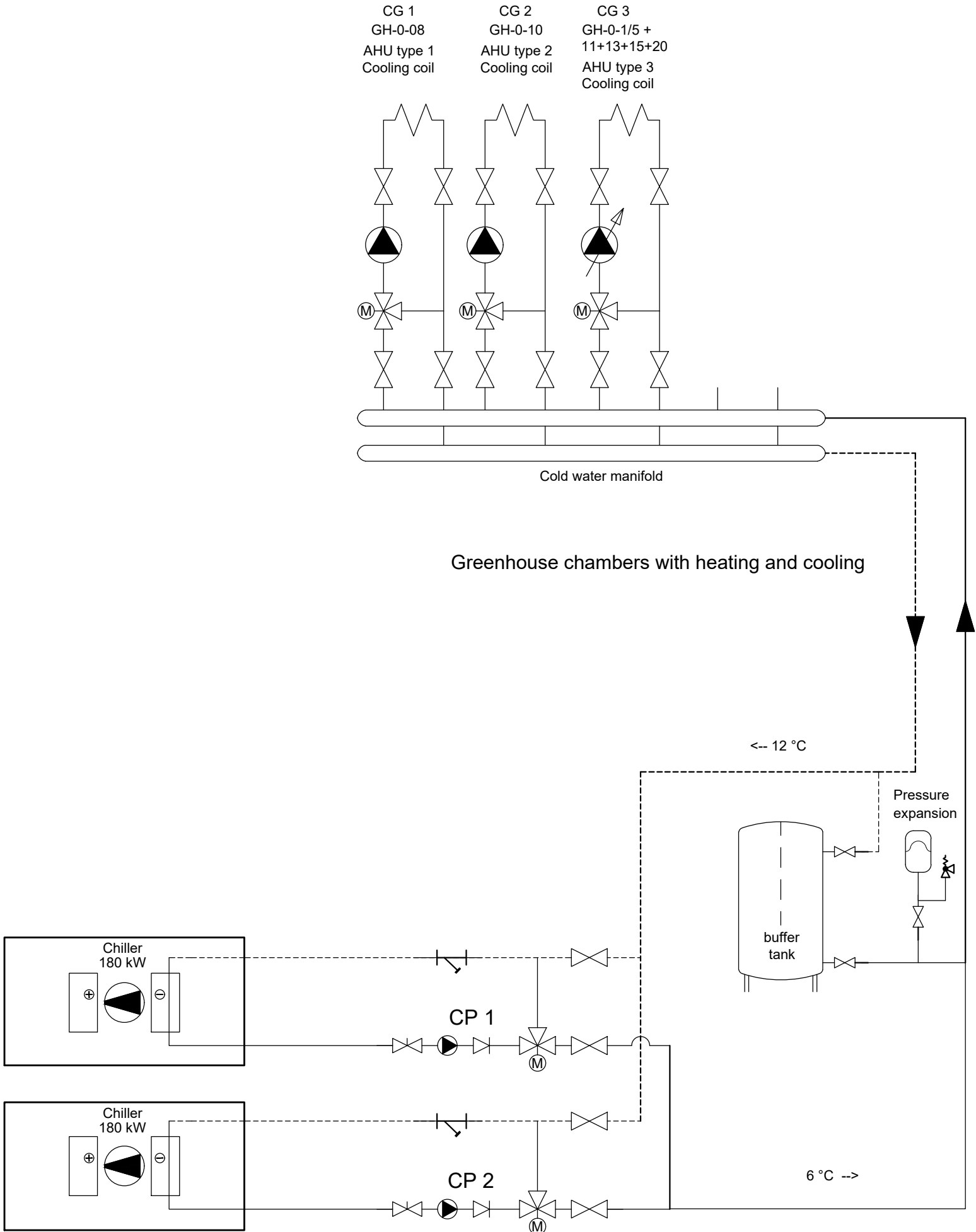
0123.027

drawing nr.

H02

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file name: h02 0123027 - ahu heating



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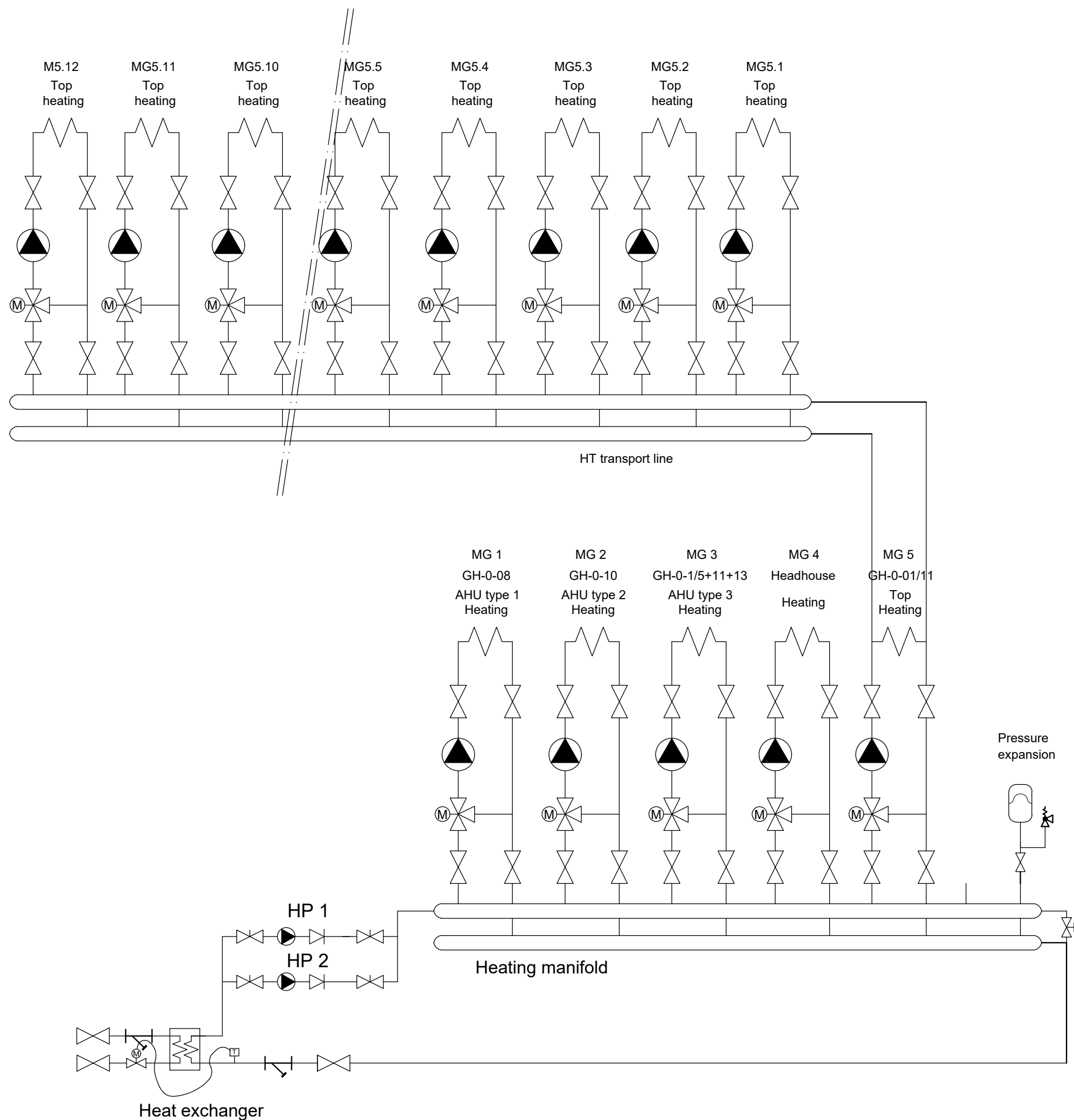
concerning
**New greenhouse complex
PID cooling**

scale
date 05-10-2021
drawn by M.V.
revision 000
size A3

project nr.
0123.027

drawing nr.
PID01

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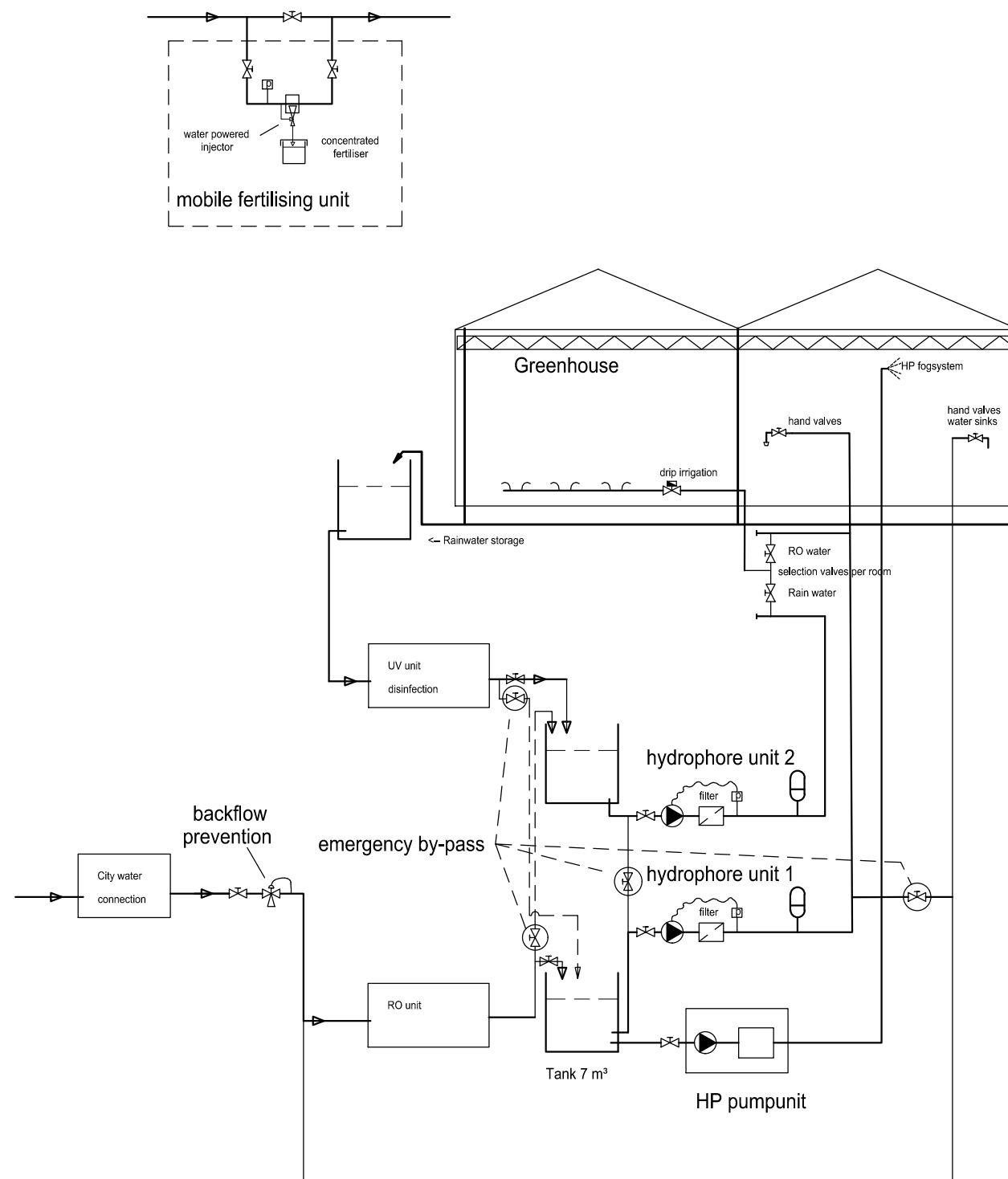
concerning
**New greenhouse complex
PID heating**

scale
date 05-10-2021
drawn by M.V.
revision 000
size A3

project nr.
0123.027

drawing nr.
PID02

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ordered by

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concerning

New greenhouse complex
PID irrigation

scale

date 05-10-2021

drawn by M.V.

revision 000

size A3

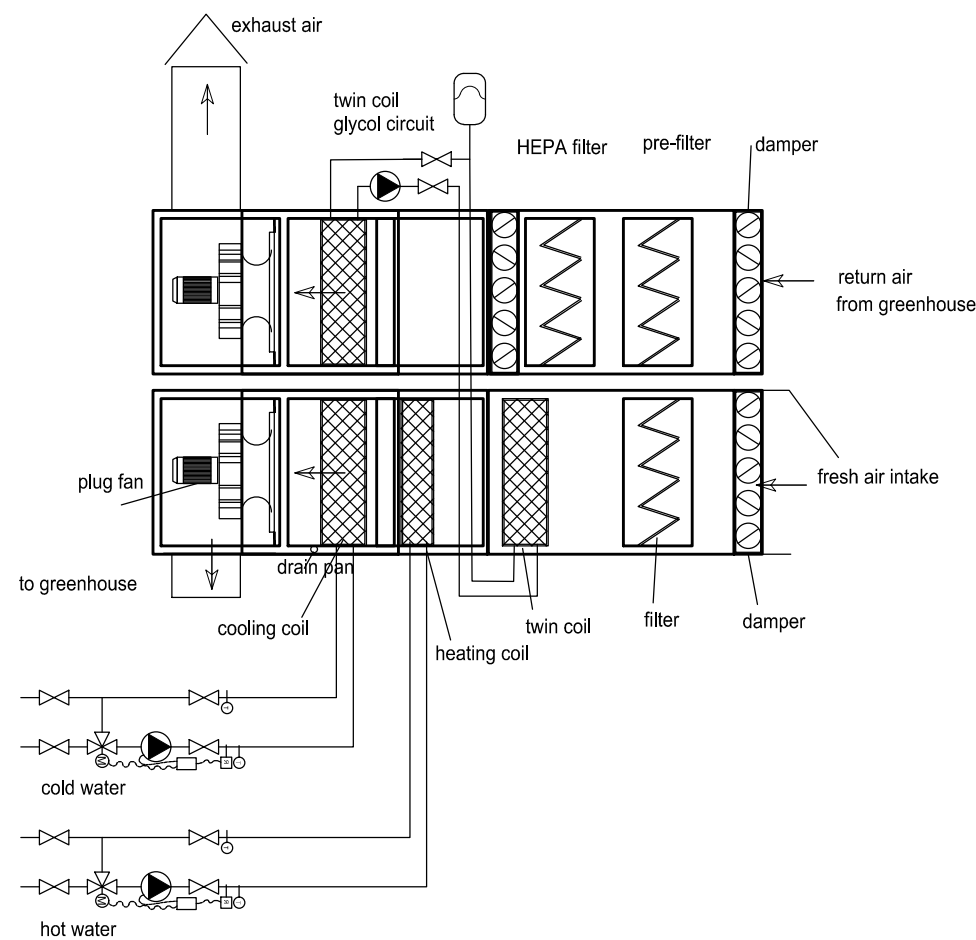
project nr.

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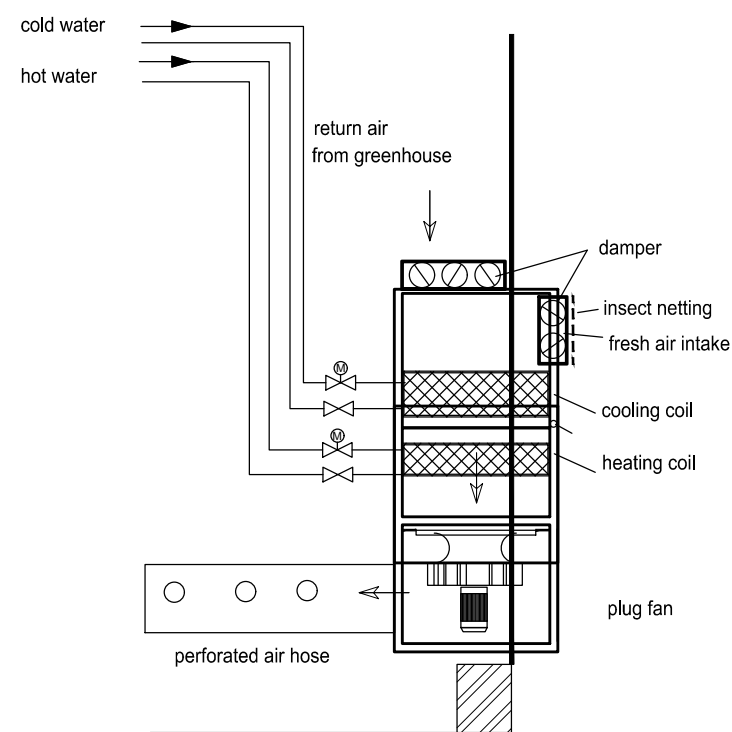
drawing nr.

PID03

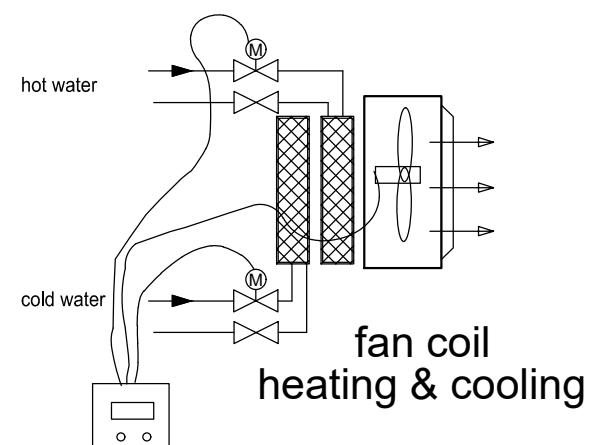
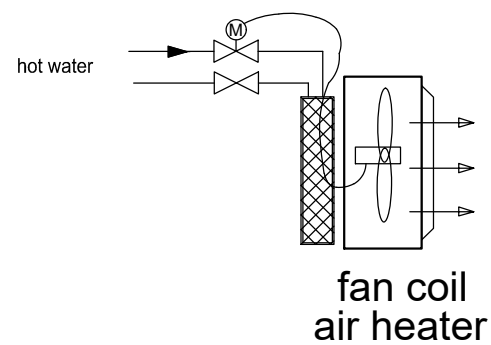
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AHU type 1 & 2



AHU type 3



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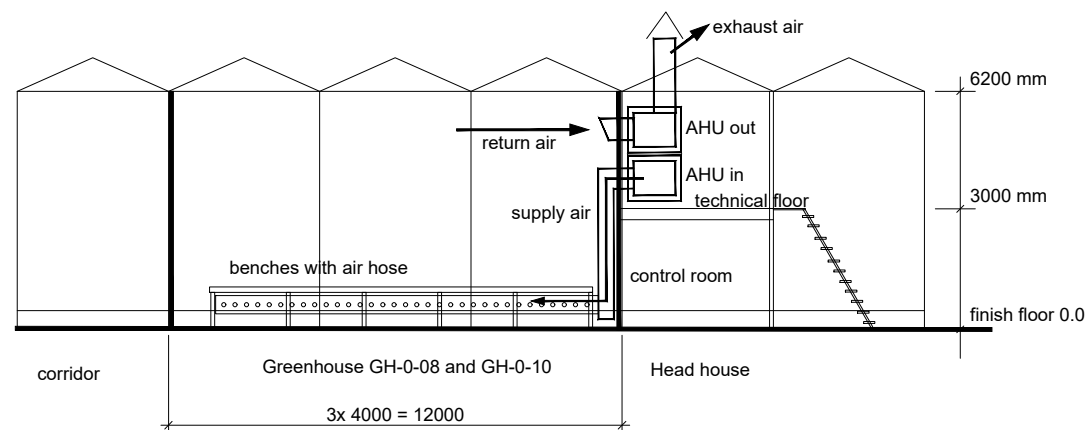
concerning
**New greenhouse complex
AHU and fan coils**

scale
date 05-10-2021
drawn by M.V.
revision 000
size A3

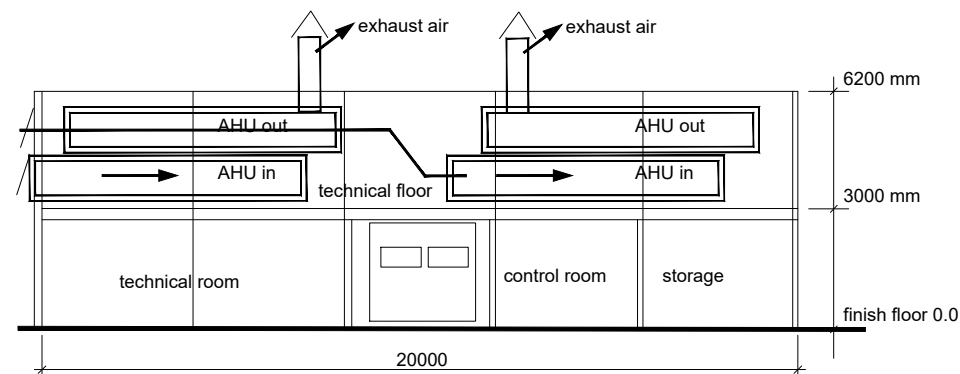
project nr.
0123.027

drawing nr.
PID04

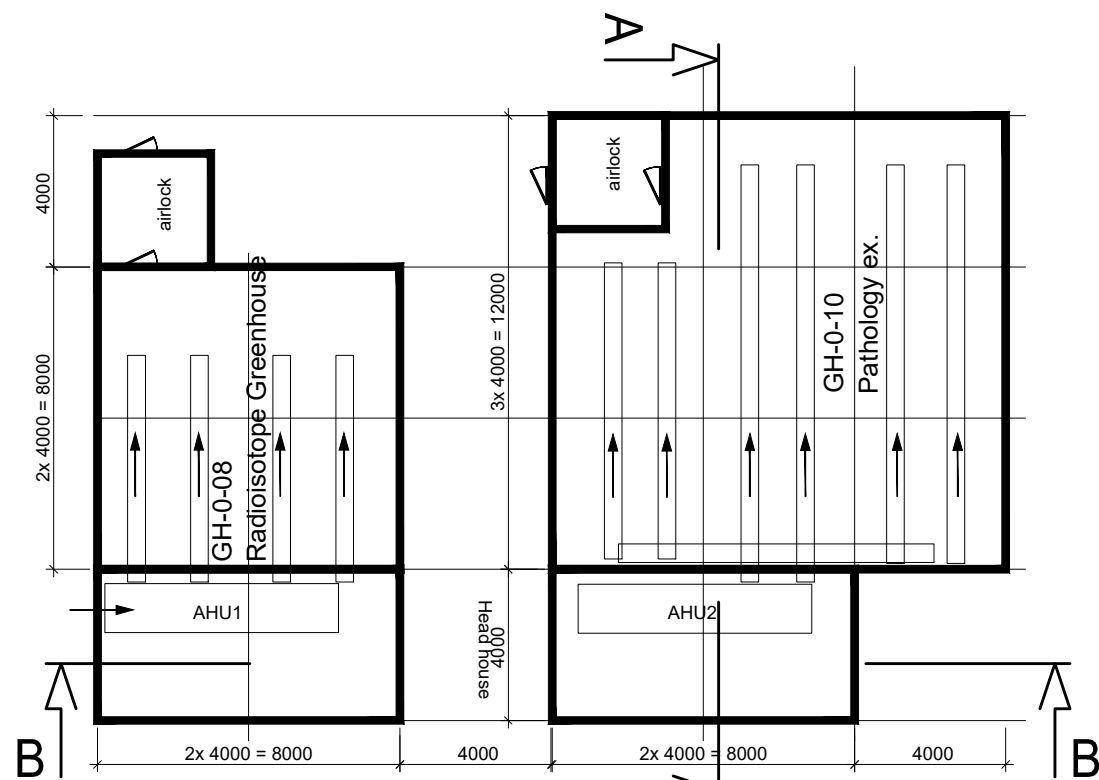
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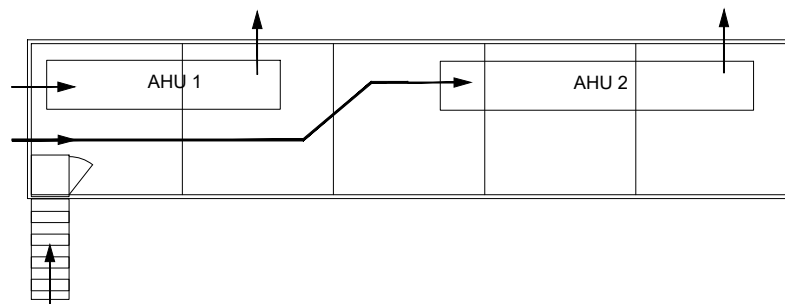
Section A-A
Scale 1:200



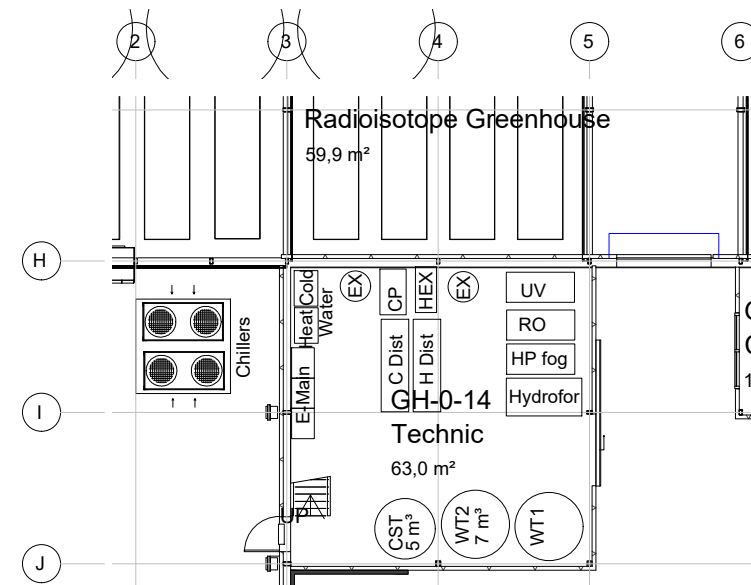
Section B-B
Scale 1:200



Principal plan AHU 1&2



Plan AHU 1&2 on floor +3000
Scale 1:200



Plan Technic room
Scale 1:200



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Tel. +31 (0) 174 389 666
www.vek.nl info@vek.nl

ordered by

Hrabal Architektur

concerning

**New greenhouse complex
Principal AHU & technic room**

scale 1:200

date 04-10-2021

drawn by M.V.

revision 000

size A3

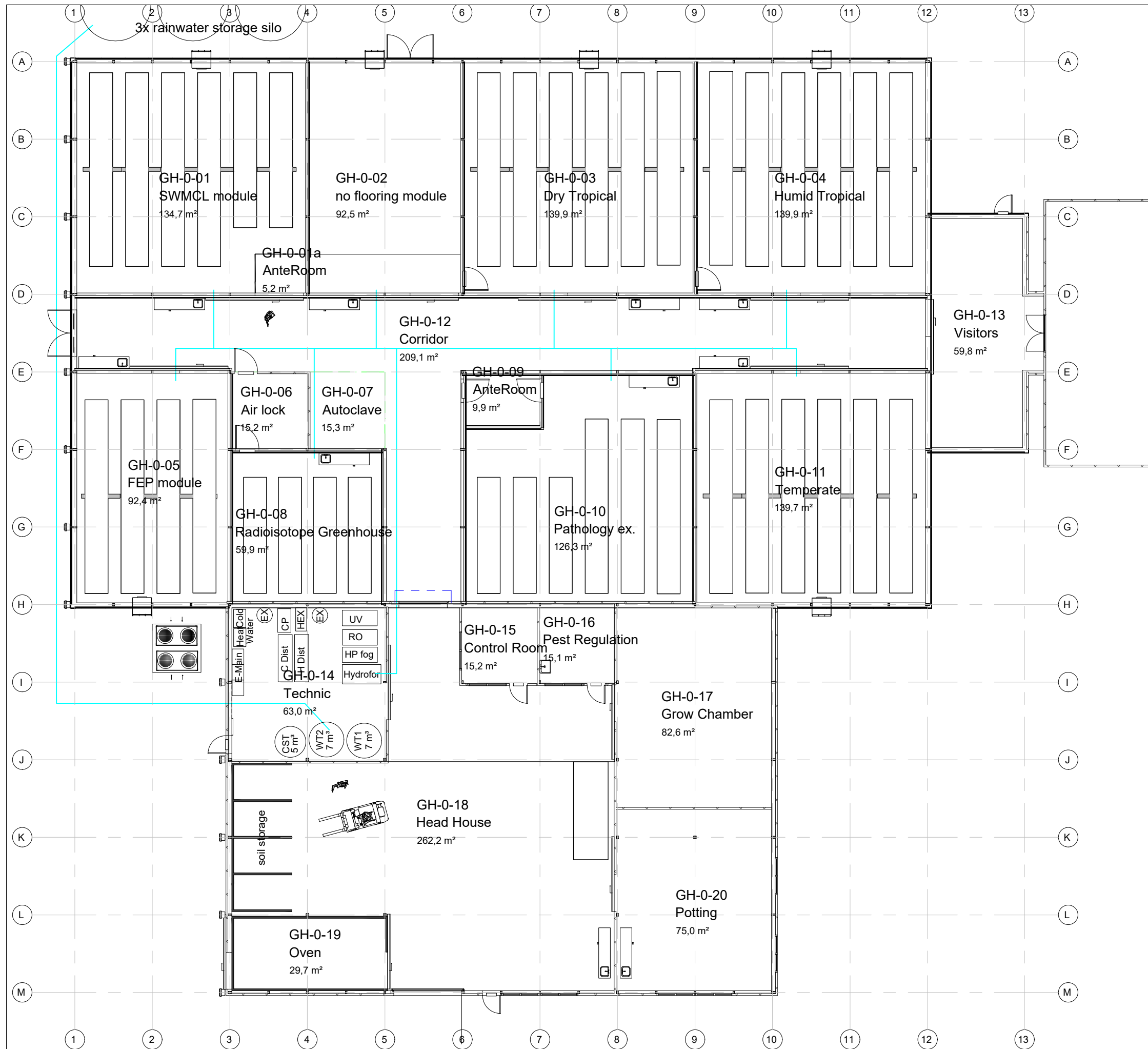
project nr.


0123.027

drawing nr.

T01

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ordered by
Hrabal Architektur

concerning
**New greenhouse complex
Plan irrigation**

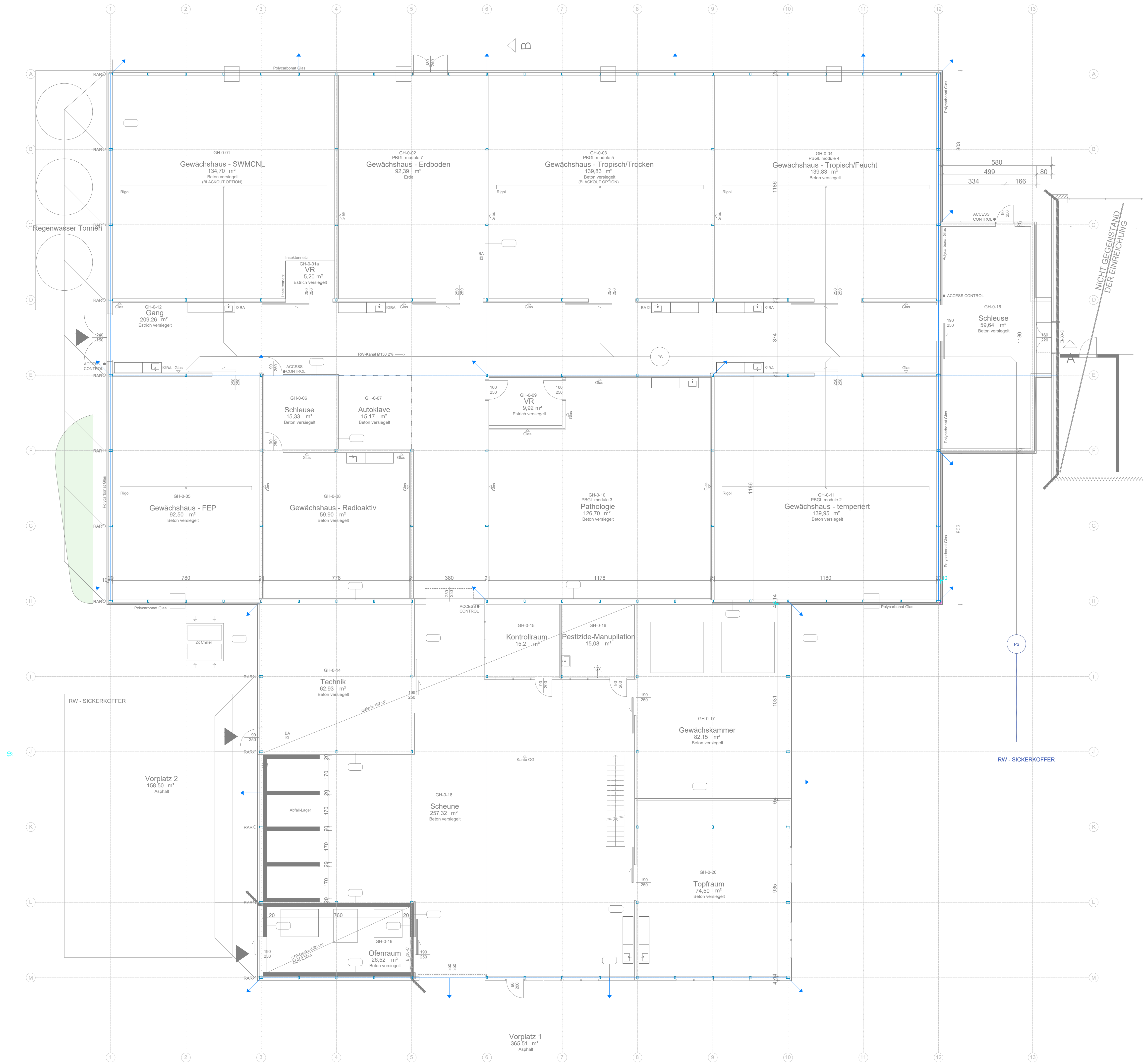
scale	1:200
date	01-10-2021
drawn by	M.V.
revision	002
size	A3

project nr.
0123.027

drawing nr.
W01

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Legend:

[illegible]

Planinhalt	Bereich	Phase	Bestell	Zus. D.	Plan Nr.	Index
Foundation earthing wire	E	L	_	B	020	_
	Planstand	01.02.2023			Maßstab 1:100	

TENDER PLAN

IAEA Seibersdorf Greenhouse

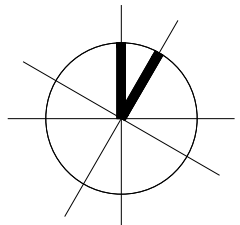
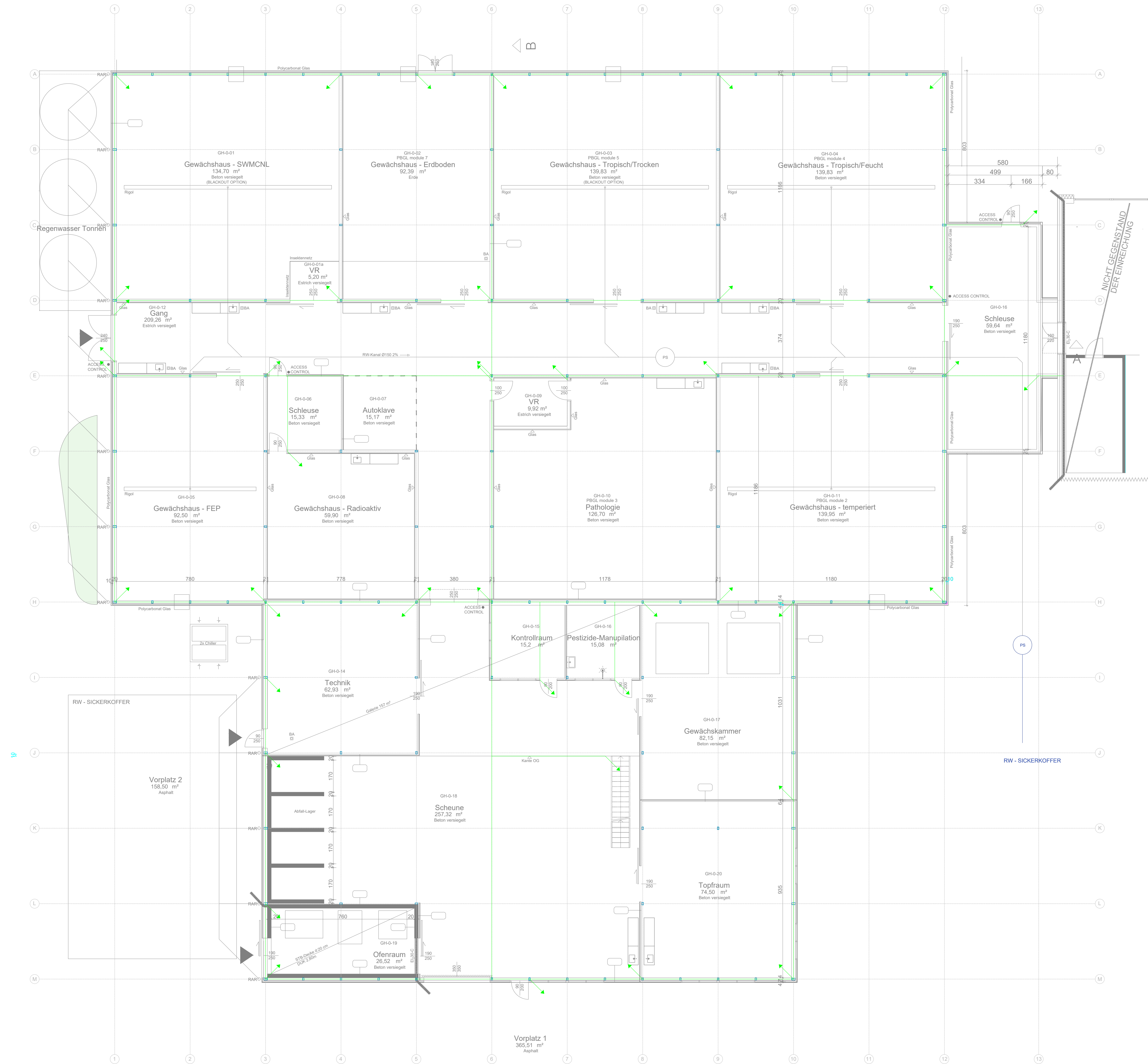
Foundation earthing wire

Bereich	Phase	Stand	Zus. ID.	Plan Nr.			Index
E	L	_	B	020			_
Projektnummer 10856	Planstand 01.02.2023	Maßstab 1:100	GPL PEH	Arch. Planseite MLL		FL-FB MLL	SB SADU

± 0.00 = xxx.xx m ü. NN

Legend:

POT-earthing wire
galvanised Ø 10 mm

[illegible]

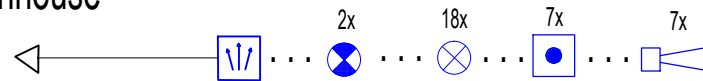
Planinhalt	Bereich Phase Baustell Zus. D.				Plan Nr.	Index
POT earthing wire	E	L	_	B	030	_
	Planstand 01.02.2023				Maßstab 1:100	

TENDER PLAN

IAEA Seibersdorf Greenhouse

POT earthing wire

Bereich	Phase	Stand	Zus. ID.	Plan Nr.			Index
E	L	_	B	030			_
Projektnummer 10856	Planstand 01.02.2023	Maßstab 1:100	GPL PEH	Arch. Planseite	FL-FB MLL	S6	SADU



1 Loop

BMZ Room existing
1st floor FML2

Connection to GMA
YAL Room SF13
optical cable 24 fibers multimode-OP4

control fire alarm center:

LEGEND:



smoke detector



heat detector



push button fire alarm



siren



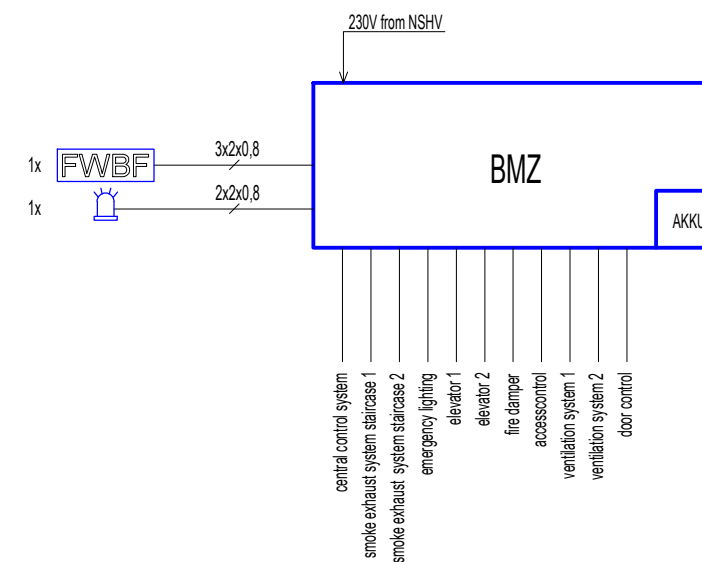
flash light



heat detector cable



fire department control panel



BMZ

5

central control system
smoke exhaust system staircase 1
smoke exhaust system staircase 2
emergency lighting
elevator 1
elevator 2
fire damper
accesscontrol
ventilation system 1
ventilation system 2
door control

<div>ATP architects engineers</div>	Index:	Alterations:				Date:		Drawn by:			
	—					—		SADU			
	10856				Dept.	Stage	Part	Add.Id.	Plan No.	Rev.	
IAEA Seibersdorf Greenhouse				E	L	—	T	905		—	
Drawing Content: scheme fire alarm system				Scale:		o.M.		PL-Dept.:	MLL	Paper size:	A3
				Issue date:		01.02.2023		Filename:		EL	
Revit file: C:\Users\SADU\Documents\10856_TGA_SADU.rvt				Copyright by ATP architects engineers							

Index:	Alterations:	Date:	Drawn by:
			SADU

10856	Dept.	Stage	Part	Add.Id.	Plan No.	Rev.
IAEA Seibersdorf Greenhouse	E	L		T	905	

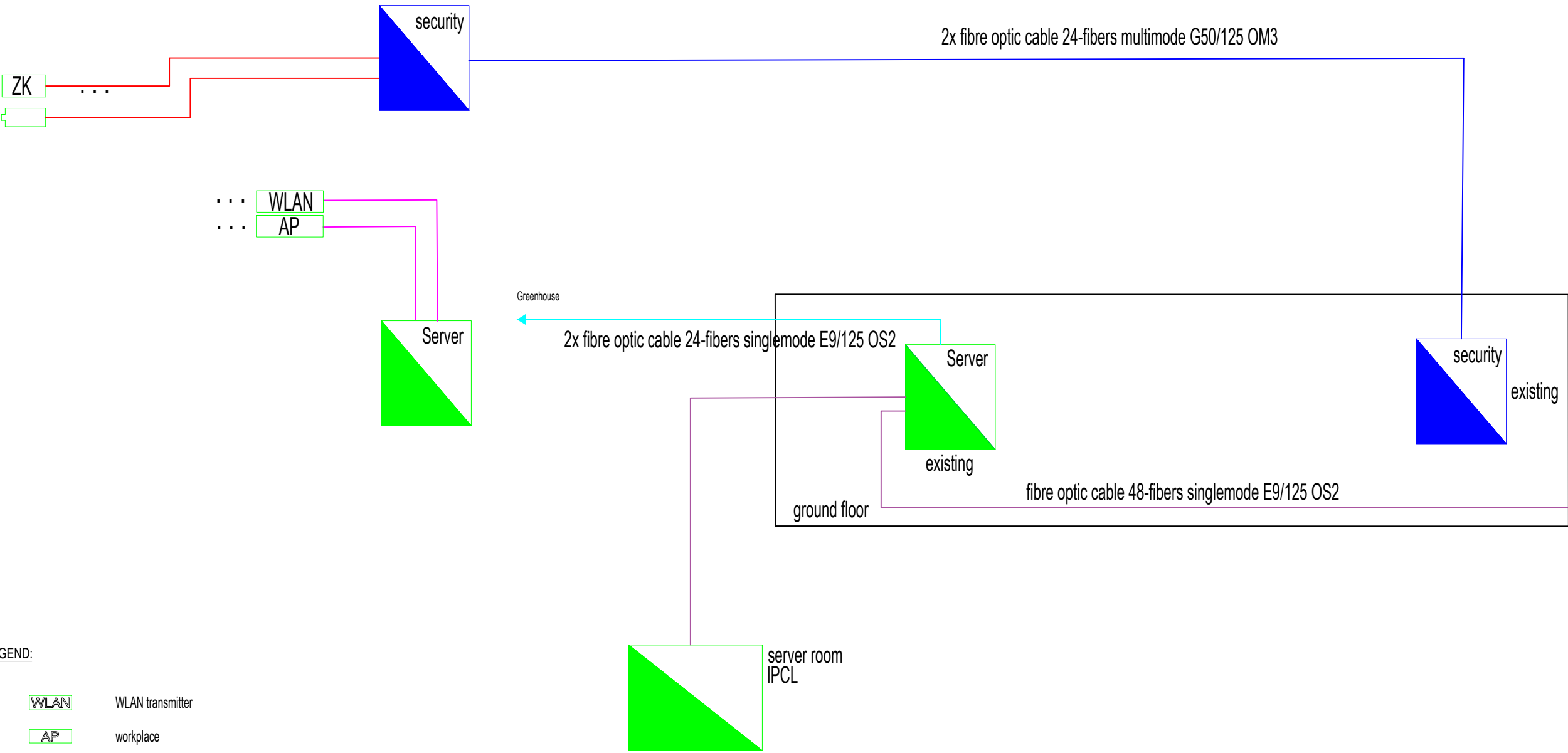
Dept.	Stage	Part	Add.Id.	Plan No.	Rev.
E	L		T	905	

Drawing Content: scheme fire alarm system	Scale:	o.M.	PL-Dept.:	MLL	Paper size:	A3
	Issue date:	01.02.2023	Filename:	EL		


Scale: o.M.	PL-Dept.: MLL	Paper size: A3
Issue date: 01.02.2023	Filename: EL	

Issue date: 01.02.2023	Filename: EL
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Revit file: C:\Users\SADU\Documents\10856 TGA SADU.rvt	Copyright by ATP architects engineers
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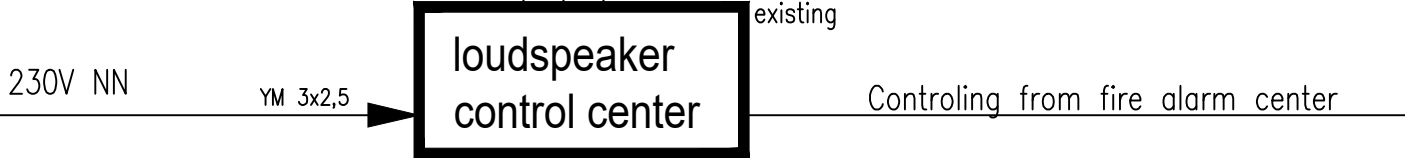
- LEGEND:
- WLAN** WLAN transmitter
 - AP** workplace
 - ZK** accesscontrol
 - CCTV
 - Security distributor
BxHxT: 80x80x200cm
 - IT distributor
BxHxT: 80x80x200cm
 - IT cabling CAT7 S/FTP AWG22
 - fibre optic cable 24-fibers singlemode E9/125 OS2
 - fibre optic cable 24-fibers multimode G50/125 OM3
 - fibre optic cable 48-fibers singlemode E9/125 OS2
 - security cable

	Index:	Alterations:					Date:		Drawn by:			
	—						—		SADU			
	10856 IAEA Seibersdorf Greenhouse					Dept.	Stage	Part	Add.Id.	Plan No.	Rev.	
						E	L	—	T	909	—	
Drawing Content: scheme IT					Scale:		o.M.		PL-Dept.:	MLL	Paper size:	A3
					Issue date:		01.02.2023		Filename:		EL	
Revit file: C:\Users\SADU\Documents\10856_TGA_SADU.rvt					Copyright by ATP architects engineers							

NHXX 3x2,5 E30
ENS main central existence

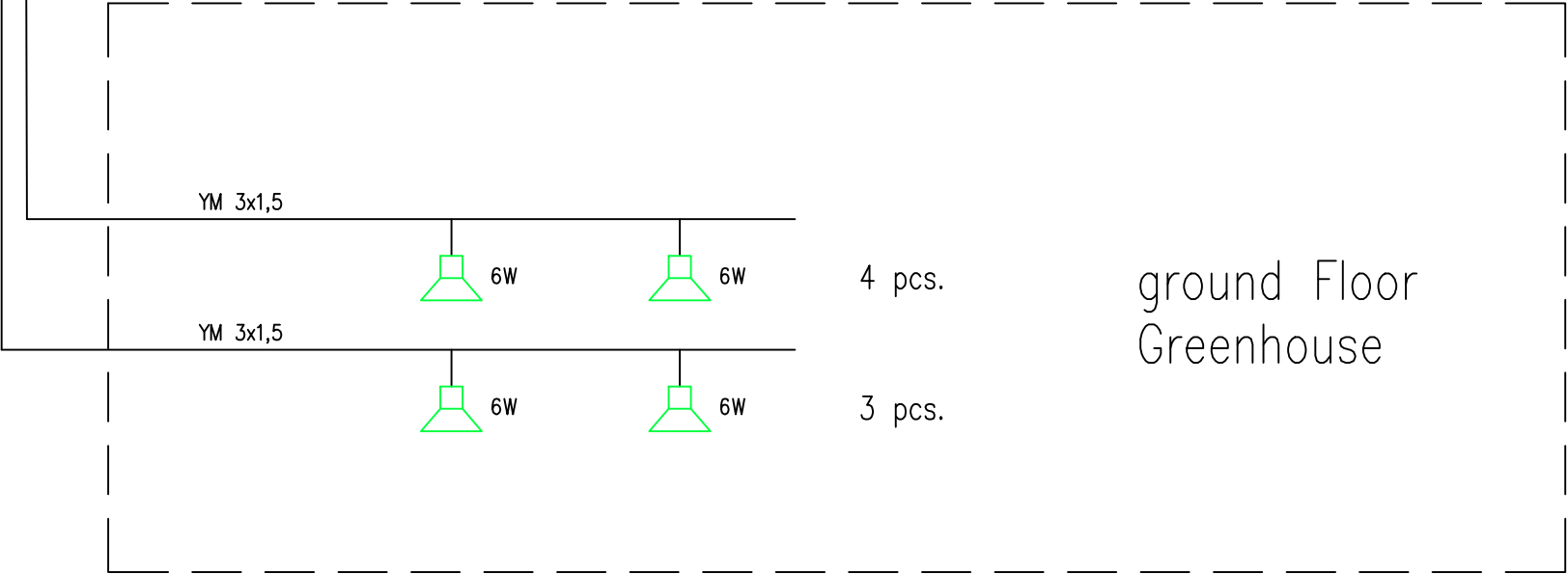
LWL Network
Connection
LAN
Connection to ENS System Existence

ACCESS/VIDEO ROOM
1ST FLOOR FML2



2 circles for Greenhouse

fire department main attack position



- legend:
- ENS loudspeaker control center
 - funnel loudspeaker
 - fire department intercom station



Drawing Content:
scheme speaker system
Revit file: C:\Users\SADU\Documents\10856_TGA_SADU.rvt

Index:	Alterations:	Date:	Drawn by:
—		—	SADU
10856	Dept.	Stage	Part
IAEA Seibersdorf Greenhouse	Add.Id.	Plan No.	Rev.
	E	L	T
	916		—
Scale:	o.M.	PL-Dept.:	MLL
Issue date:	01.02.2023	Filename:	EL
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Legend:

	push button without control light
	motion detector
	Control Panel
	1-way socket outlet
	medium/low voltage distribution
	emergency lighting distribution
	cable tray stainless steel
	heat detector cable
	smoke detector
	heat detector
	siren
	push button fire alarm
	funnel loudspeaker
	2way network socket
	magnet contact
	WLAN = 2xRJ45
	CCTV
	accesscontrol
	pin pad
	arrow down safety lighting
	directional safety lighting
	spot safety lighting
	safety lighting outdoor
	solid rubber wall distribution
	6x230V
	3x230V
	2x230V, 1x400V

HVAC connections according to technical report !

The position of the solid rubber wall distributor must be defined in the factory and assembly planning !

Planinhalt Ground Floor + 1st Floor	Bereich	Phase	Baujahr	Zon. ID	Plan Nr.	Index
	E	L	_	T	030	_
	Planstand	01.02.2023		Maßstab 1:100		

Projekt IAEA Seibersdorf Greenhouse

Ground Floor + 1st Floor

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