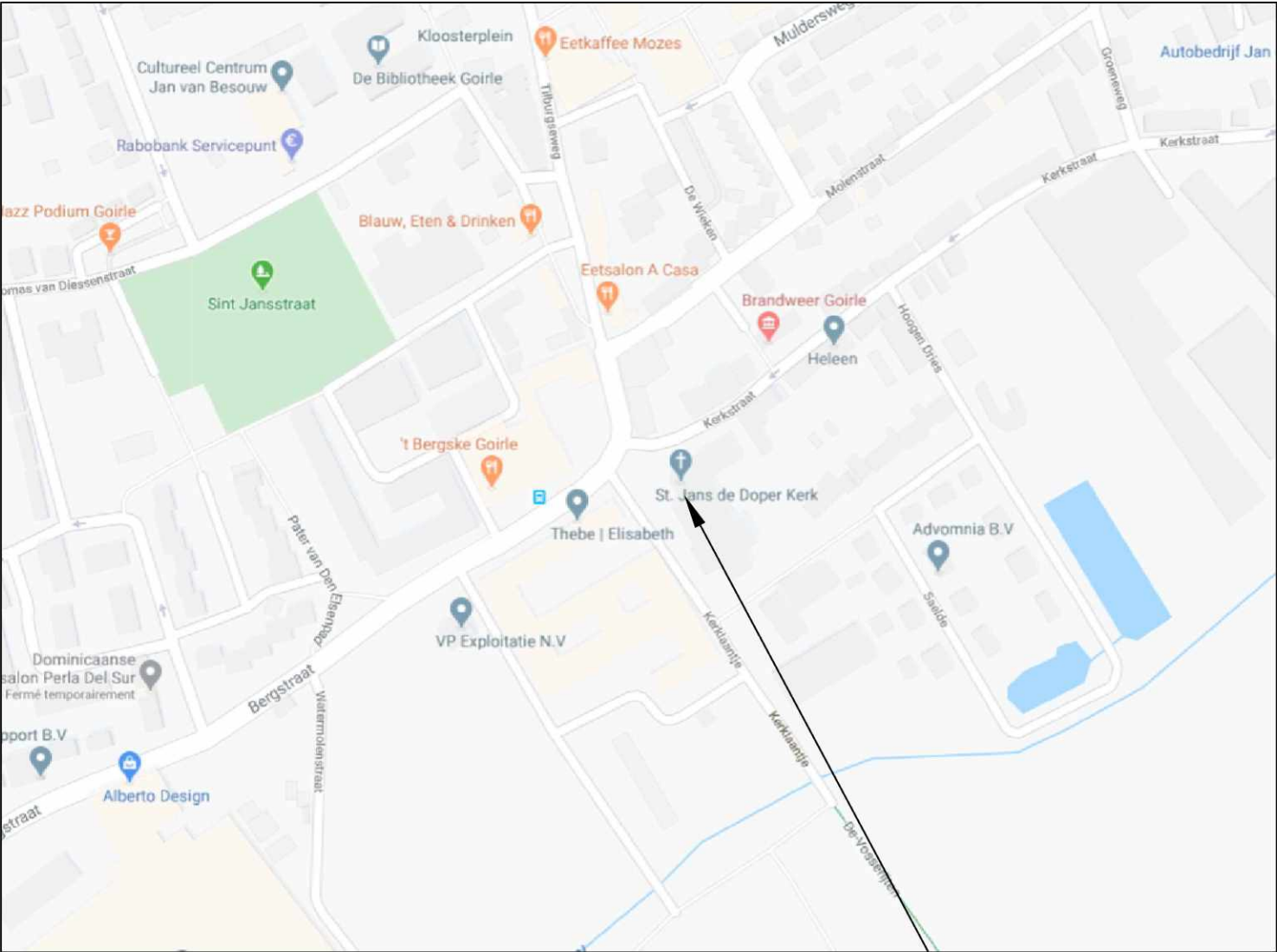




Dish	Type (11 mm)	DCH (m)	Type Dish	Support No.
ODO D1	RG214	28.05	Ø300	P4

N: 51.518301
E: 5.068252

ODO site L025673

LEGEND		
Color	Reference	Color (code)
	Building	Black (9)
	BESTAANDE Apparatuur	Black (7)
	Nieuwe Apparatuur	Red (240)
	BESTAANDE earthing	Black (170)
	Nieuwe earthing	Green (90)
	BESTAANDE H&S	Black (210)
	Nieuwe H&S	Orange (30)
	bestaande constructie	Black (2)
	Nieuwe constructie	Blue (150)
	Optional item	Gray (252)

Sheet nr.	Title
1	VOORPAGINA
2	BOUWCOMMENTAAR
3	SITUATION PLAN
4	BESTAANDE Bovenaanzicht
5	BESTAANDE Bovenaanzicht DETAIL
6	BESTAANDE Vooraanzicht
7	BESTAANDE Vooraanzicht DETAIL
8	Nieuwe Bovenaanzicht
9	Nieuwe Bovenaanzicht DETAIL
10	Nieuwe Vooraanzicht
11	Nieuwe Vooraanzicht DETAIL
12	H&S Bovenaanzicht
13	H&S Vooraanzicht
14	BESTAANDE Apparatuur VIEW
15	Nieuwe Apparatuur VIEW
16	BESTAANDE OVERVIEW S1
17	Nieuwe OVERVIEW S1
18	BESTAANDE OVERVIEW S2
19	Nieuwe OVERVIEW S2
20	BESTAANDE OVERVIEW S3
21	Nieuwe OVERVIEW S3
22	BESTAANDE OVERVIEW S4
23	Nieuwe OVERVIEW S4
24	muurbeugel S1/ S3 /S4
25	muurbeugel S2
26	muurbeugel S2 / RRU
27	BRACKET S2
28	RRU-paal S2
29	Antenne buis
30	SPOOR GEN 2 535
31	muurbeugel S1,S3,S4/ RRU
32	ITEMS LIST

2.0	EP	E//SWAP	HZ	09-05-2024	Dynamica	ODO	
1.7	AB	AS Built	HF	13-11-2023	Dynamica	ODO	
1.6	EP	5G-Ready	Y.EL	18-08-2022	Dynamica	ODO	
1.5	EP	5G-Ready	MH	23-04-2022	Dynamica	ODO	
1.4	EP	5G-Ready	HF	16-07-2020	Dynamica	ODO	
1.3	EP	5G-Ready	YL	29-06-2020	Dynamica	ODO	
1.2	EP	5G-Ready	YL	24-06-2020	Dynamica	ODO	
1.1	EP	5G-Ready	MB	11-06-2020	Dynamica	ODO	
1.0	EP	5G-Ready	MB	22-05-2020	Dynamica	ODO	
Rev. no.	Status	Revision description		Name	Date	Contractor	Telco
Title: VOORPAGINA				Standard detail: -			
	Date	Name/Company	SCHAAL	Status:	EP		
Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	-	Project name:	E//SWAP		
Checked by:	-	5.1,2,e	Rev.No.	Project no.T:	N.025673.020		
Nieuwe steet ext. cl.	EXC2		2.0	Sheet no.:	1 / 32		
	Location adress:			Location ID:		A3	
	5.1,2,e			T-Mobile: L025673		Projection	
	5.1,2,e 5.1,2,e 5.1,2,e			T-Infra:			

Questions for BOUWcompany

1) Notes/questions for construction company

2) Company Contact details :

Company name : 5.1.2,e 5.1.2,e

Address : 5.1.2,e 5.1.2,e 5.1.2,e

E-Mail : 5.1.2,e

Phone number : 5.1.2,e



Dynamica ingenieursbureau is opgenomen in het Constructeursregister. Het Constructeursregister. RC/RO/RT is een organisatie die de kwaliteit van constructeurs en constructieve toetsers bewaakt en de deskundigheid bevordert.

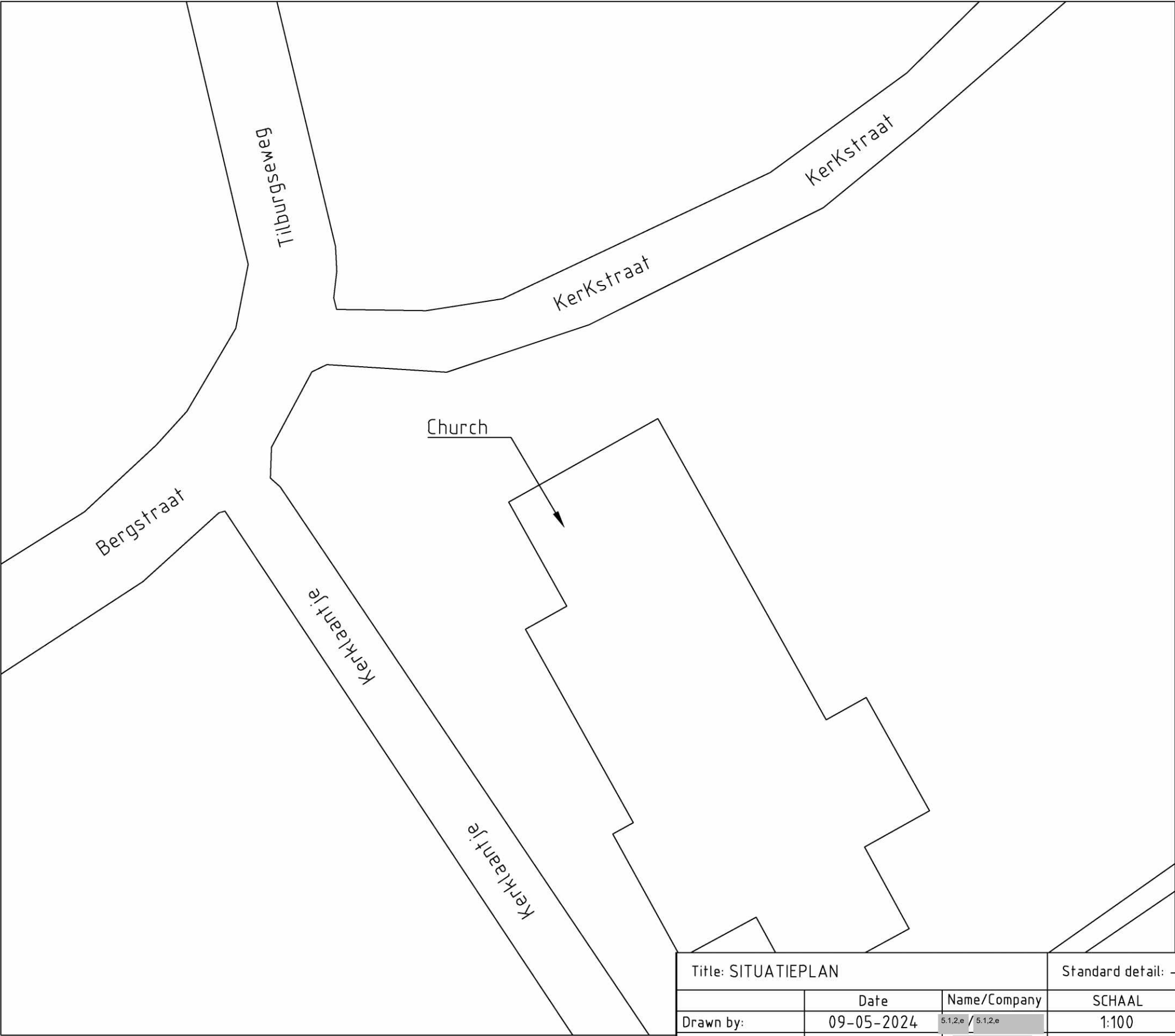
E// Standard parts table		
Name	E// Part Nr.	Note
RAIL 2.0 5.1.2,e	SEF 901 376 / 1070	-
RAIL 2.0 535mm	SEF 901 376 / 535	x4
RAIL 2.0 pole clamp	SXK 125 5991 / 1	x4
Unit Bracket Medium	SEF 901 377 / 3	For RRU 4486 (4x)
Unit Bracket Medium	SEF 901 377 / 2	For RRU 4020 (3x)
Unit Bracket Medium	SEF 901 377 / 3	For RRU 4485 (3x)
Unit Bracket Medium	SEF 901 377 / 2	For RRU 4490 (-x)
Unit Bracket Medium	SEF 901 377 / 2	For RRU 8863 (-x)
AIR Light bracket	SXK 109 2016 / 1	For AIR 6419 (-x)
AIR Medium bracket	SXK 109 2064 / 1	For AIR 3218 (-x)
AIR Heavy bracket	SXK 109 2036	For AIR 3218 (-x)
Dual ERS Heavy bracket	SXK 125 5993	-

JUMPERS & CABLES							
	700-900	1400	18/21/2600F	1800 /2100	3500	Fiber	DC Cables
S1	5m	5m	5m	-	-	25m	25m
S2	9m	9m	-	9m	9m	30m	30m
S3	9m	-	9m	-	-	30m	30m
S4	5m	5m	-	6m	9m	20m	20m

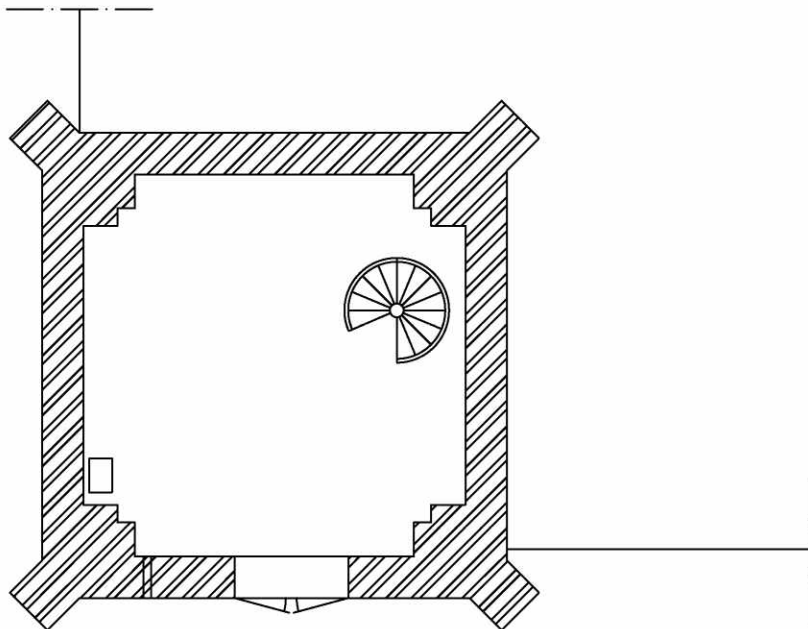
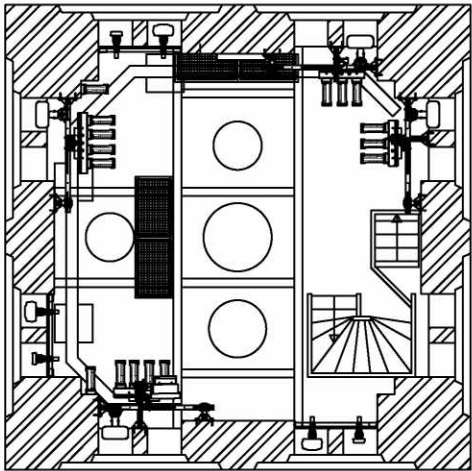
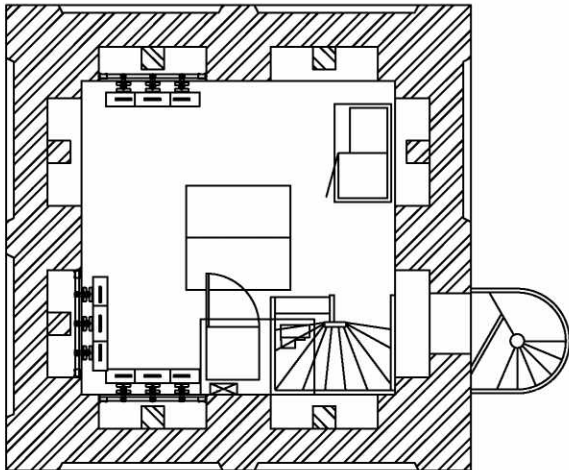
Notes for E// SRAN Swap.

- 1) Re-engineered EP
- 2) Voor alle gedetailleerde installatie- en inbedrijfstellingsvereisten zie TMNL oplossingenportaal (<https://t-share.nl/groups/104-t-mobile-solutions-portal/welcome>)
- 3) Vervang Huawei Apparatuur uit de kast door E// Apparatuur, volgens SoW-specificaties.
- 4) Vervang alle Huawei RRU's door gelijkwaardige E//-tegenhangers, sluit de vezels, DC-kabels en jumpers opnieuw aan. Gebruik eventueel breakout-kabels.
- 5) 5) Verwijder alle bestaande passieve antenne-afstandhouders en installeer een Nieuwe AIR-antenne-afstandhouder, zie EP voor details.
- 6) 6) Verwijderen alle paalgemonteerde 2x/3x/ of 4x RRU plaatsen en vervangen door een E// RAIL 2.0 + paalbeugels (zie tabel)
- 7) Installeer de Nieuwe RRU's met een RAIL 2.0 beugel (zie tabel)
- 8) Installeer Nieuwe SAR voor RAIL 2.0 bij elke Nieuwe RAIL 2.0
- 9) Houd bij het installeren een afstand van 2 cm aan tussen elke afzonderlijke RRU.

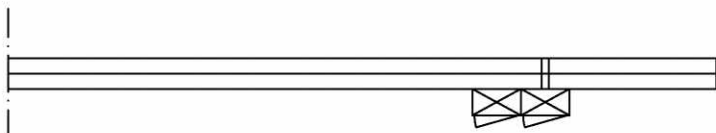
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Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:100	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	2 / 32
	Location adress:			Location ID:	A3
	5.1.2,e 5.1.2,e 5.1.2,e			T-Mobile: L025673	Projection
				T-Infra:	



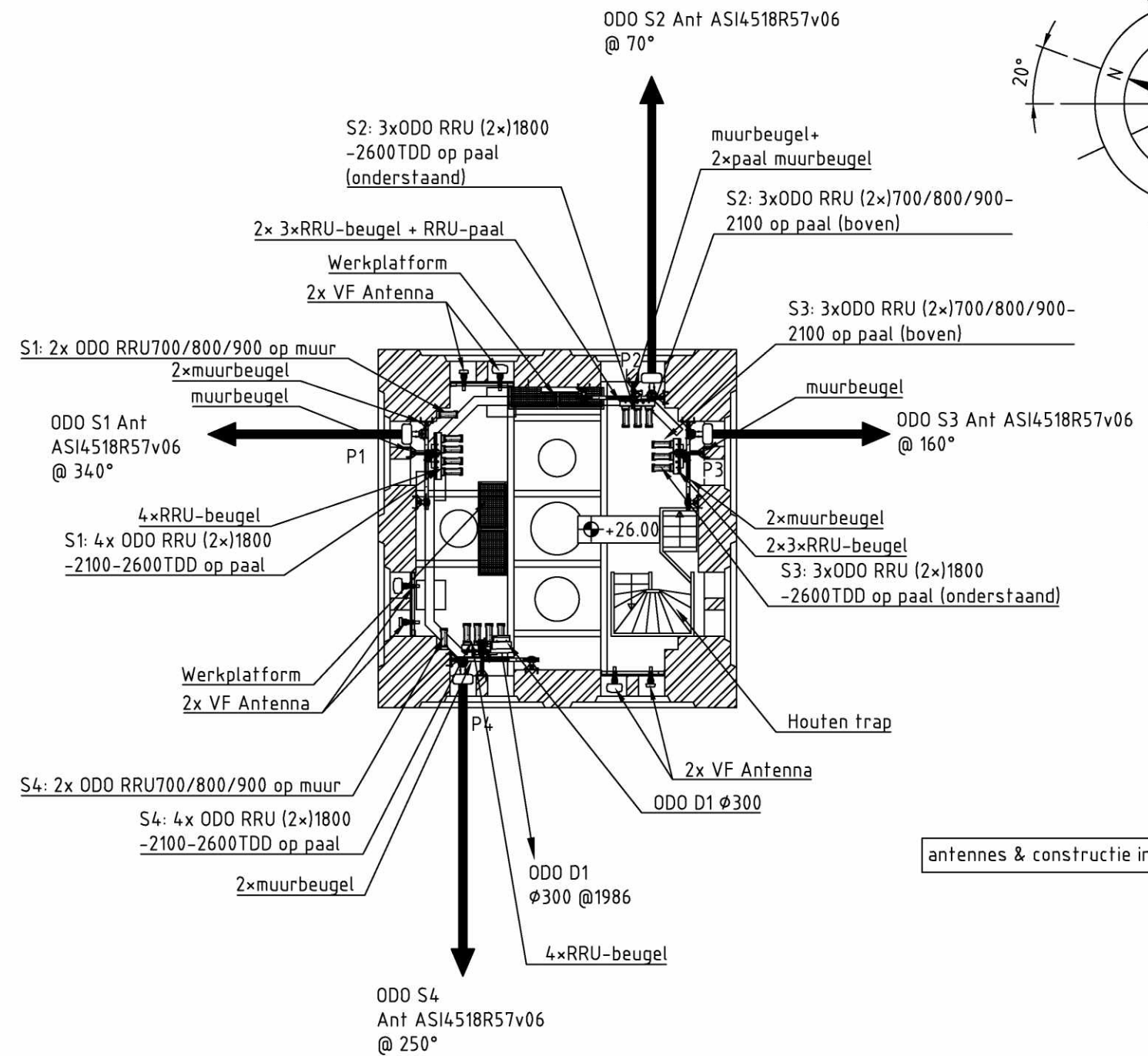
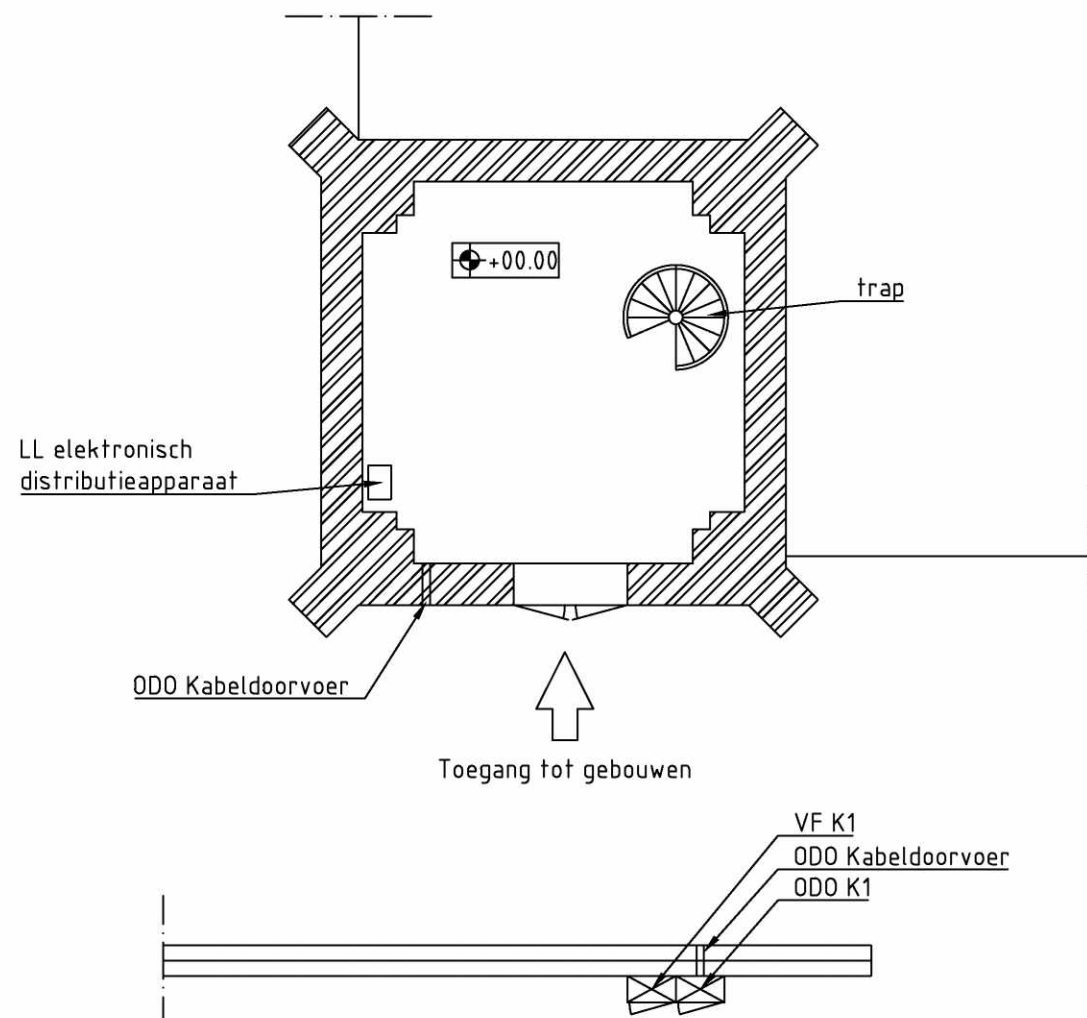
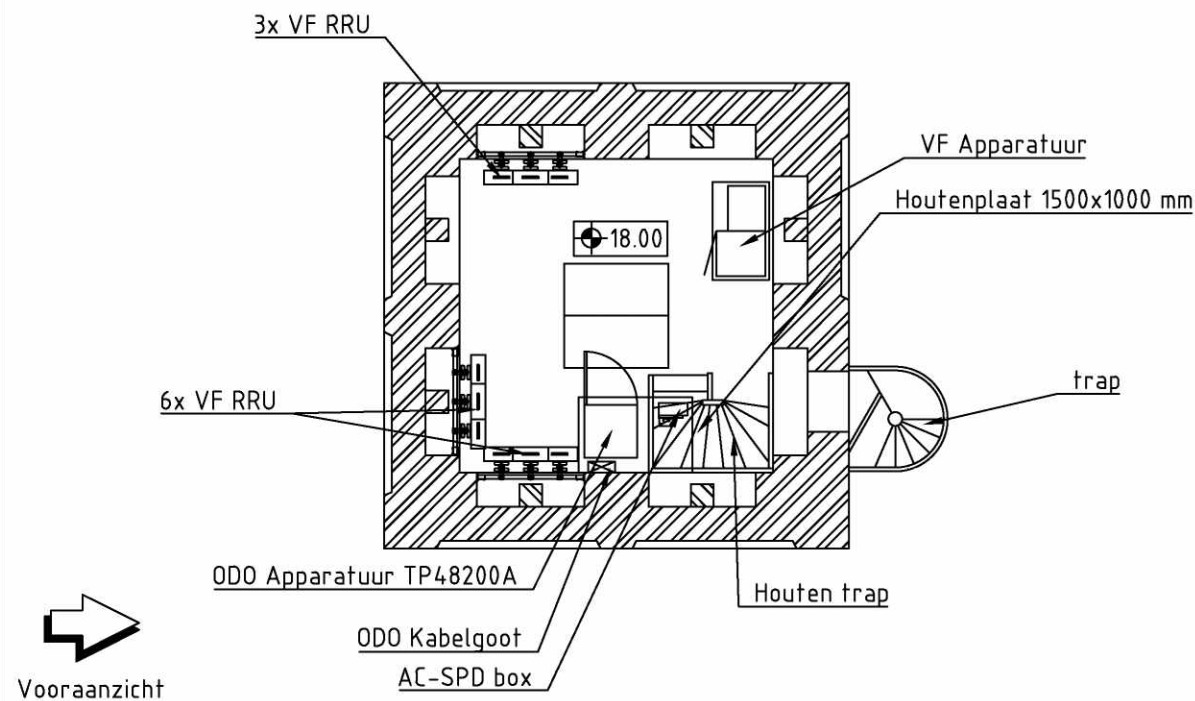
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Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:100	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steet ext. cl.	EXC2		2.0	Sheet no.:	3 / 32
	Location address:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection
	5.1.2,e 5.1.2,e			T-Infra:	



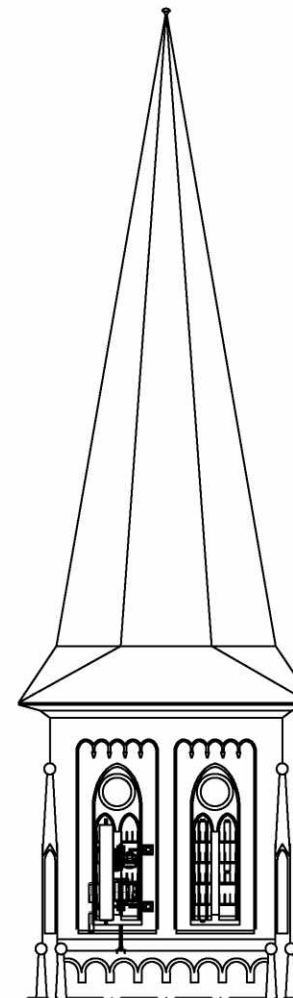
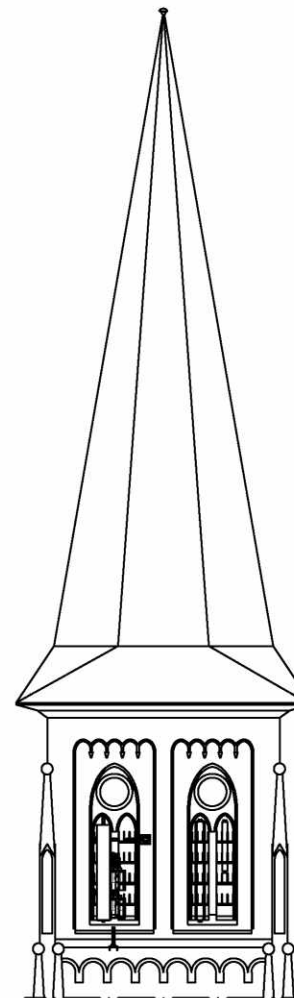
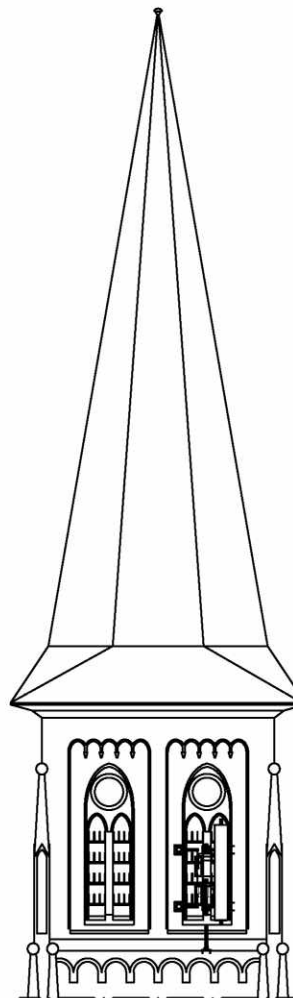
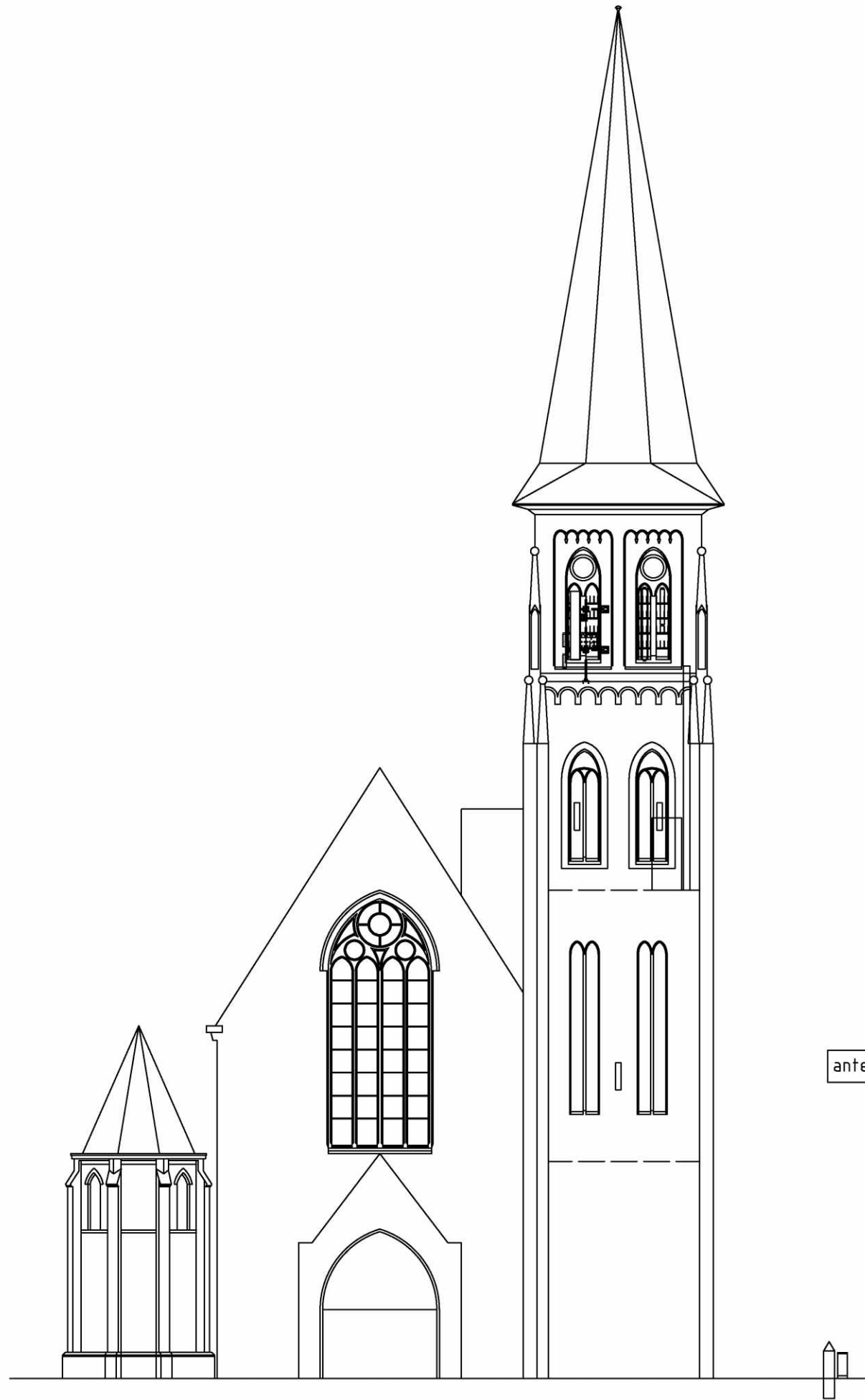
antennes & constructie in kleur RAL 8017



Title: BESTAANDE Bovenaanzicht			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:150	Project name:	E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	4 / 32
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	5.1.2.e 5.1.2.e			T-Infra:	

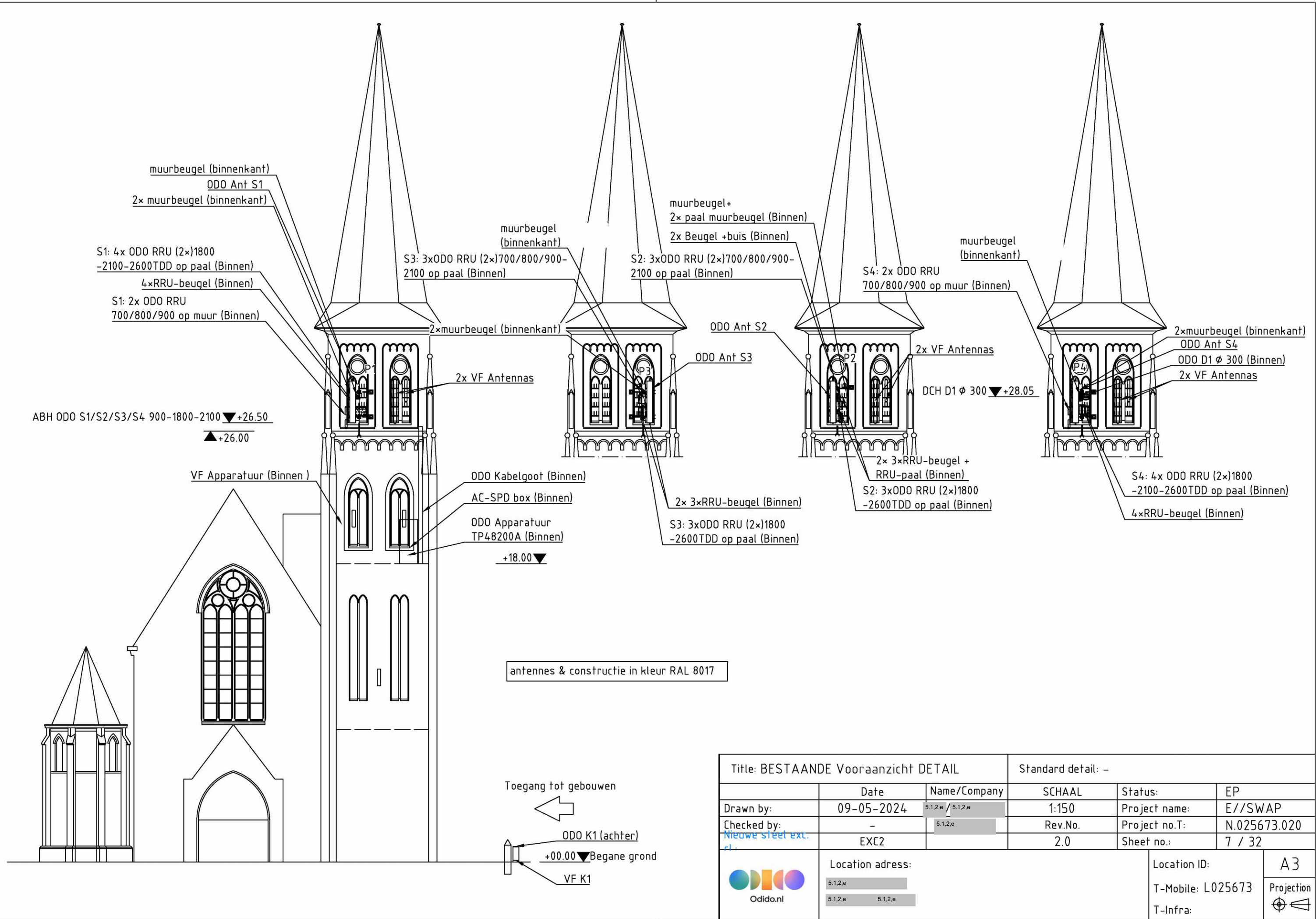


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Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	5 / 32
Location address:			Location ID:		A3
5.1.2.e			T-Mobile: L025673		Projection
5.1.2.e 5.1.2.e			T-Infra:		

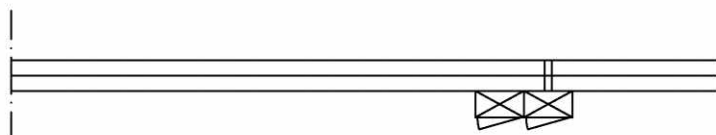
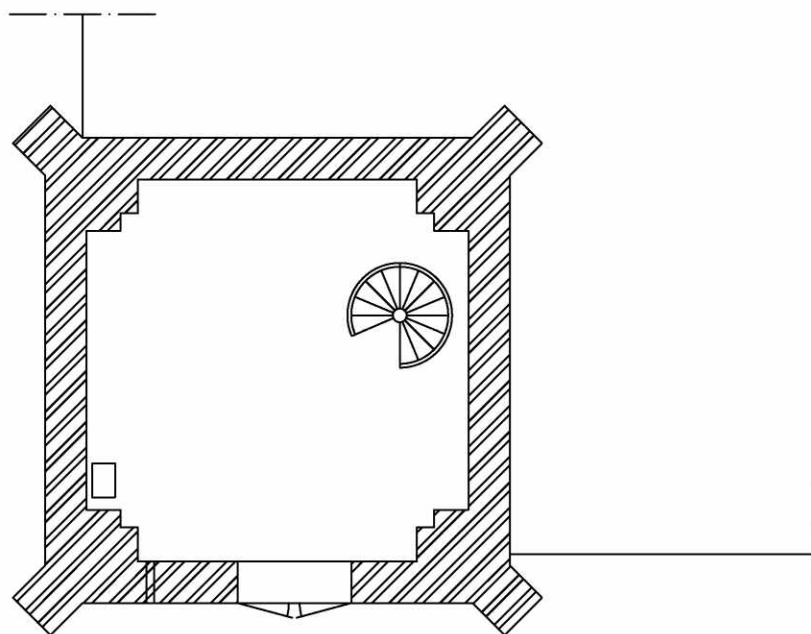
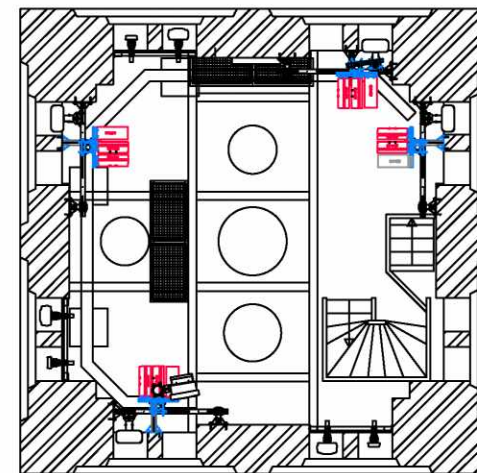
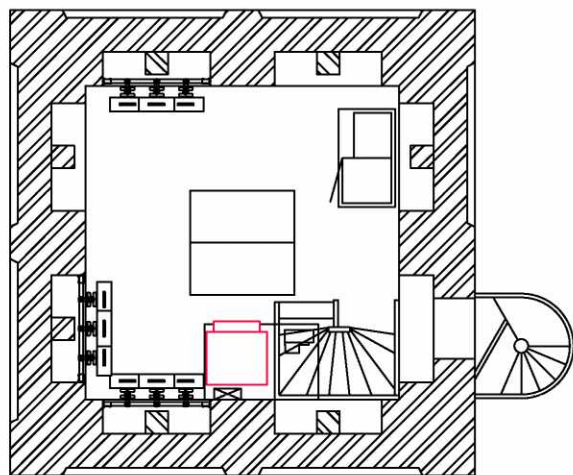
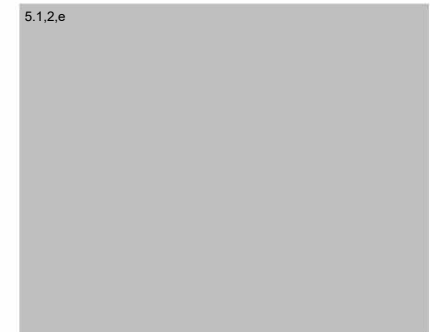


antennes & constructie in kleur RAL 8017

Title: BESTAANDE Vooraanzicht			Standard detail: -		
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Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:150	Project name:	E//SWAP
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	5.1.2,e 5.1.2,e			T-Infra:	



Title: BESTAANDE Vooraanzicht DETAIL			Standard detail: -		
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Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	1:150	Project name:	E//SWAP
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	5.1,2,e 5.1,2,e			T-Infra:	

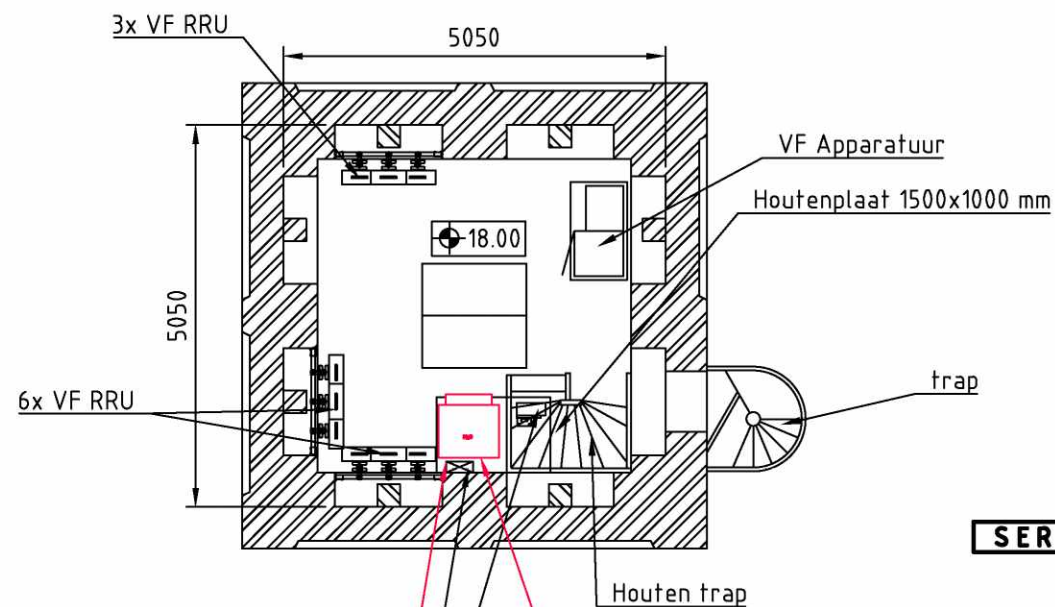


antennes & constructie in kleur RAL 8017

Title: Nieuwe Bovenaanzicht			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:150	Project name:	E//SWAP
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Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	8 / 32
	Location adress:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection
	5.1.2,e 5.1.2,e			T-Infra:	



Vooraanzicht



ODO Apparatuur 6150

Verwijderen ODO Apparatuur TP48200A

ODO Kabelgoot

AC-SPD box

LL elektronisch
distributieapparaat

ODO Kabeldoorvoer

Toegang tot gebouwen

5.1,2,e

VF K1

ODO Kabeldoorvoer

ODO K1

MER

S1: Verwijderen Allemaal
bestaand ODO RRU's

2x muurbeugel

Nieuwe muurbeugel

ODO S1 Ant
ASI4518R57v06
@ 340°

1xSPOOR GEN 2 535

S1: Installeer 3xNieuwe ODO RRU

-700/800/900 (4486)

-1800/2100/2600 (4485)

-1400 (4020) op paal

SER

S4: Installeer 3x Nieuwe ODO RRU

-700/800/900 (4486)

-1800/2100/2600 (4485)

-1400 (4020) op paal

2x VF Antenna

1xSPOOR GEN 2 535

S4: Verwijderen Allemaal
bestaand ODO RRU's

2x muurbeugel

ODO S4
Ant ASI4518R57v06
@ 250°

Nieuwe BOUWin RAL color 8017

antennes & constructie in kleur RAL 8017

Title: Nieuwe Bovenaanzicht DETAIL

Standard detail: -

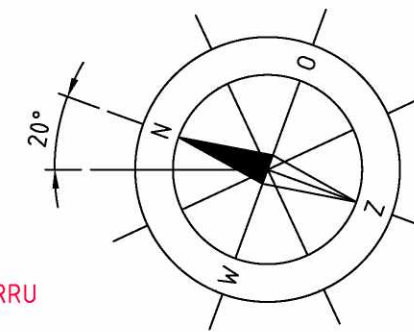
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	1:150	Project name:	E//SWAP
Checked by:	-	5.1,2,e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	9 / 32



Location adress:

5.1,2,e

5.1,2,e 5.1,2,e



SER

S2: Verwijderen Allemaal
bestaand ODO RRU's

2x 3xRRU-beugel + RRU-paal

2x VF Antenna

5050

muurbeugel+
2xpaal muurbeugel

S2: Installeer 3xNieuwe ODO RRU

-700/800/900 (4486)

-1800/2100/2600 (4485)

-1400 (4020) op paal

1xSPOOR GEN 2 535

Nieuwe muurbeugel

ODO S3 Ant ASI4518R57v06
@ 160°

1xSPOOR GEN 2 535

2x muurbeugel

S3: Installeer 2xNieuwe ODO RRU

-700/800/900 (4486)

-1800/2100/2600 (4485) op paal

S3: Verwijderen Allemaal
bestaand ODO RRU's

SER

Houten trap

2x VF Antenna

ODO D1 Ø300

Nieuwe muurbeugel

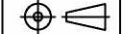
ODO D1
Ø300 @1986

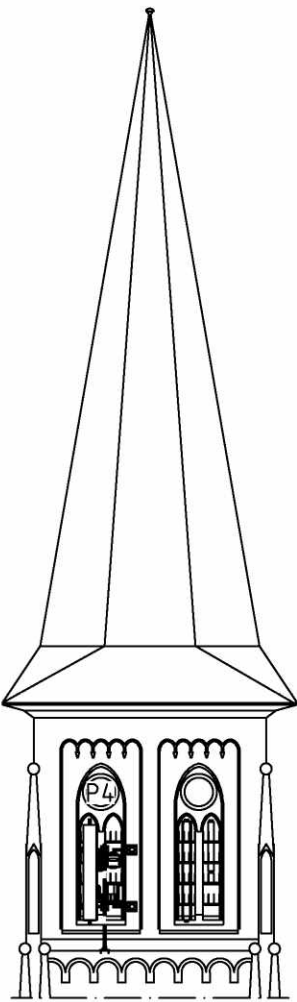
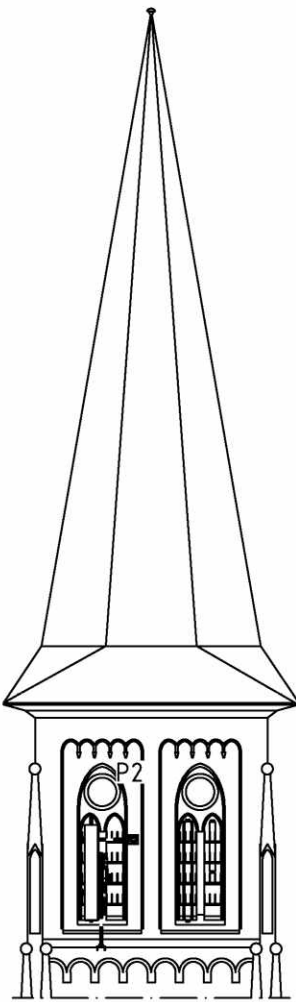
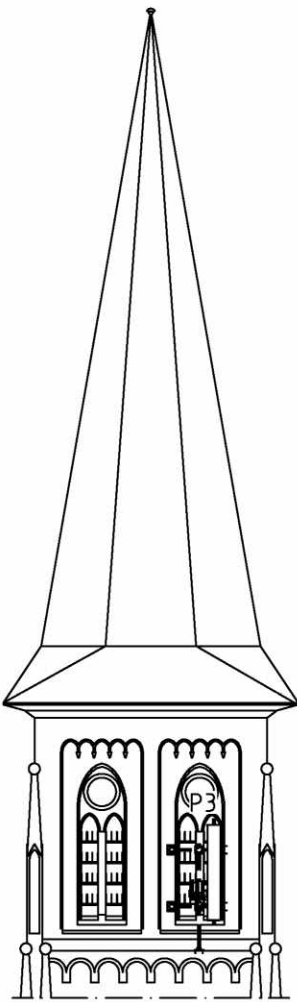
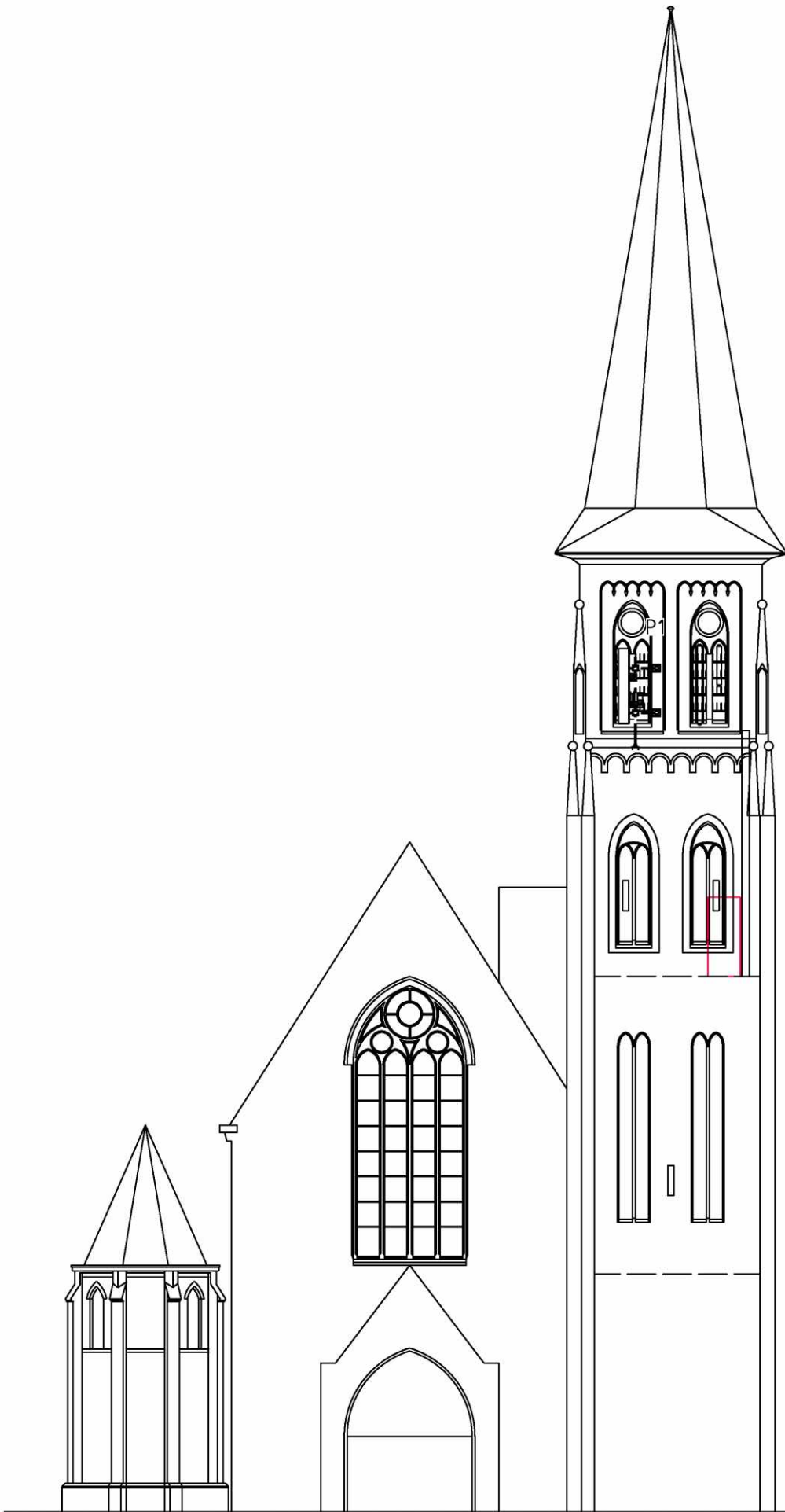
LEGEND

	Nieuwe earthing
	BESTAANDE earthing
	Nieuwe earth electrode
	BESTAANDE earth electrode
	Nieuwe down conductor
	BESTAANDE down conductor
	Nieuwe main earthing rail
	BESTAANDE main earthing rail
	Nieuwe secondary earthing rail
	bestaande secondary earthing rail

A3

Projection



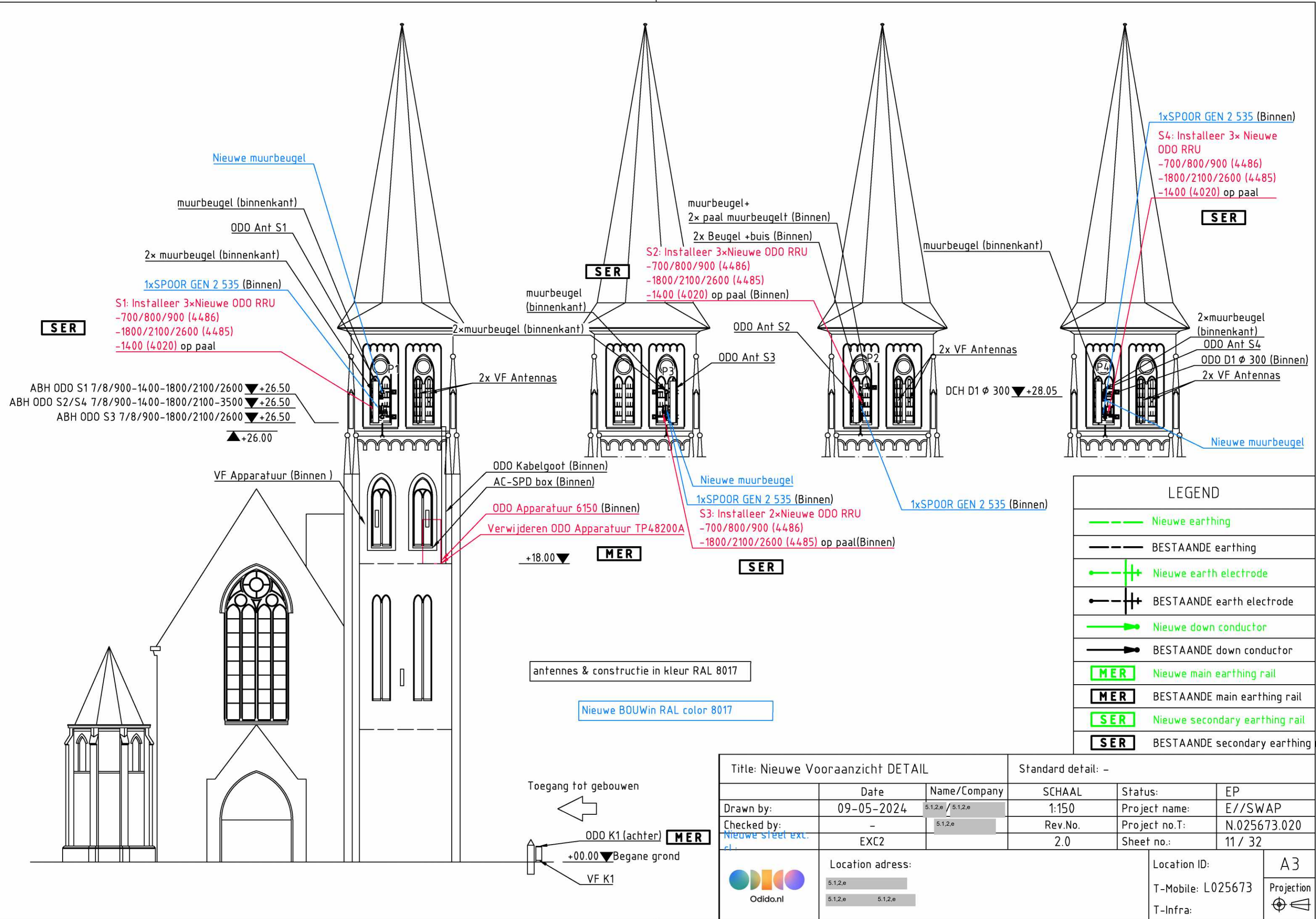


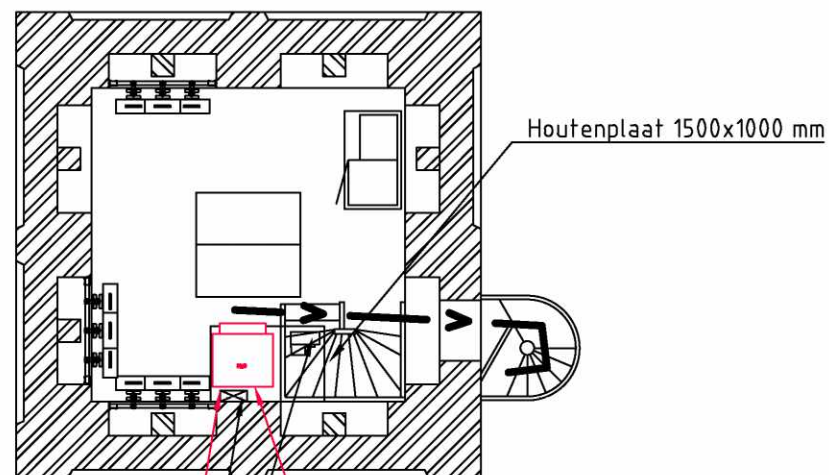
antennes & constructie in kleur RAL 8017

Toegang tot gebouwen

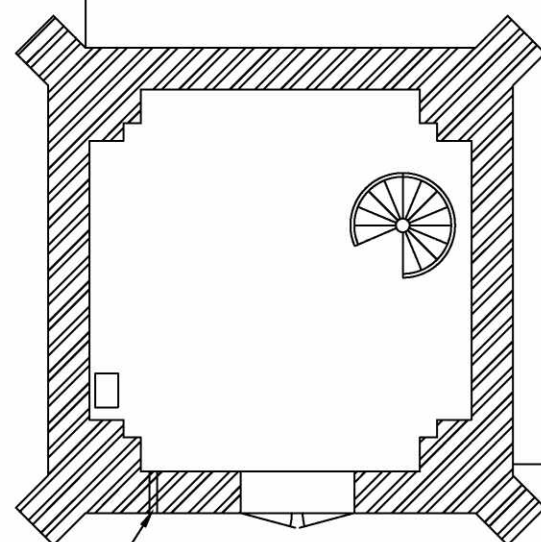


Title: Nieuwe Vooraanzicht			Standard detail: -		
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Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
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Location adress:			Location ID:		A3
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5.1.2,e 5.1.2,e			T-Infra:		

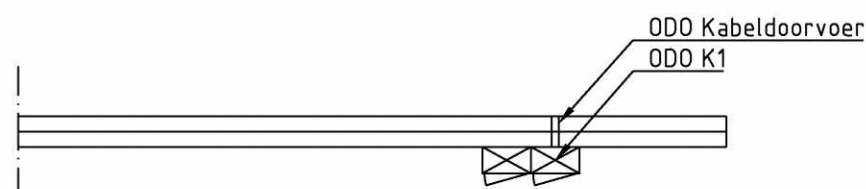




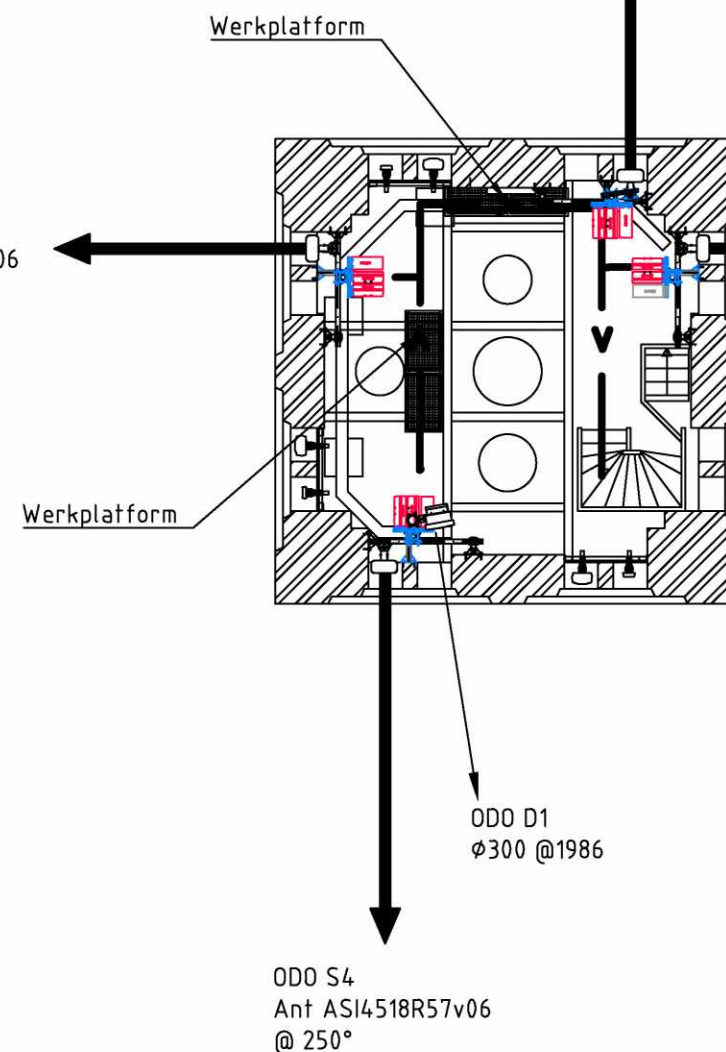
ODO Apparaat 6150
ODO Kabelgoot
AC-SPD box
Verwijderen ODO Apparaat TP48200A



ODO Kabeldoorvoer



ODO S1 Ant
ASI4518R57v06
@ 340°



ODO S2 Ant ASI4518R57v06
@ 70°

ODO S3 Ant ASI4518R57v06
@ 160°

ODO D1
Ø300 @1986

ODO S4
Ant ASI4518R57v06
@ 250°

antennes & constructie in kleur RAL 8017

LEGEND	
	ontsnappingsroute
	Nieuwe safety fence
	bestaande safety fence
	Nieuwe r/w chain
	BESTAANDE r/w chain
	4 meter safety zone
	2 meter safety zone

Title: H&S Boven aanzicht			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	1:150	Project name:	E//SWAP
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Location adress:			Location ID:		A3
5.1,2,e			T-Mobile: L025673		Projection
5.1,2,e 5.1,2,e			T-Infra:		

ABH ODO S1 7/8/900-1400-1800/2100/2600 ▼+26.50
ABH ODO S2/S4 7/8/900-1400-1800/2100-3500 ▼+26.50
ABH ODO S3 7/8/900-1800/2100/2600 ▼+26.50

▲+26.00

+18.00 ▼

antennes & constructie in kleur RAL 8017

+00.00 ▼ Begane grond

DCH D1 Ø 300 ▼+28.05

LEGEND

- >— ontsnappingsroute
- Nieuwe safety fence
- BESTAANDE safety fence
- Nieuwe r/w chain
- BESTAANDE r/w chain
- ...— 4 meter safety zone
- ...— 2 meter safety zone

Title: H&S Vooraanzicht

Standard detail: -

	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:150	Project name:	E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	13/ 32



Location adress:

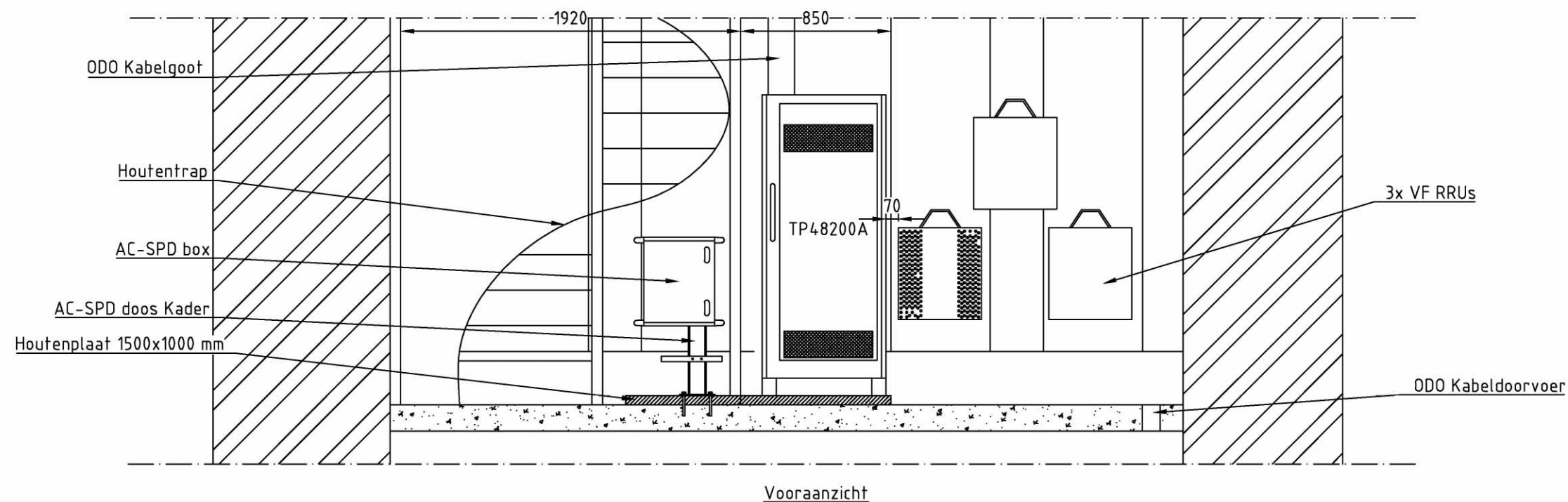
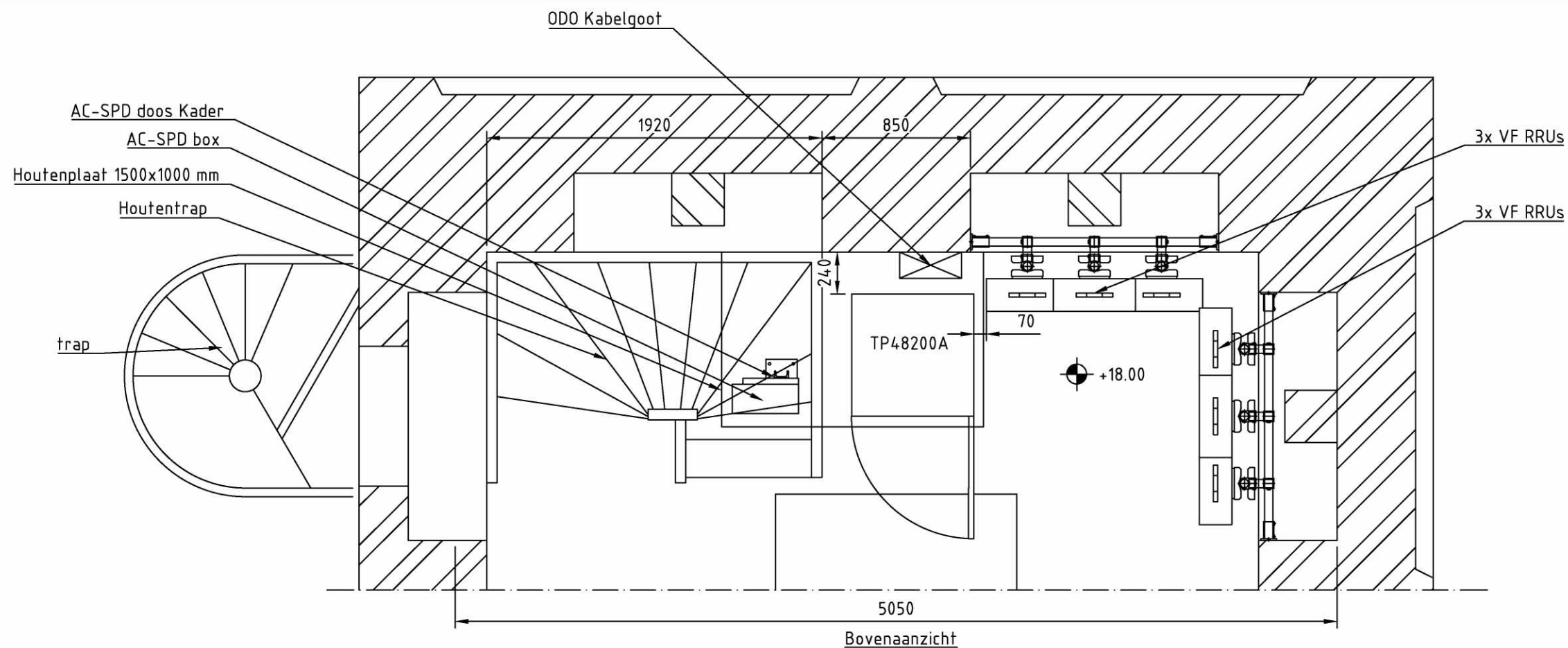
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5.1.2.e 5.1.2.e

Location ID:

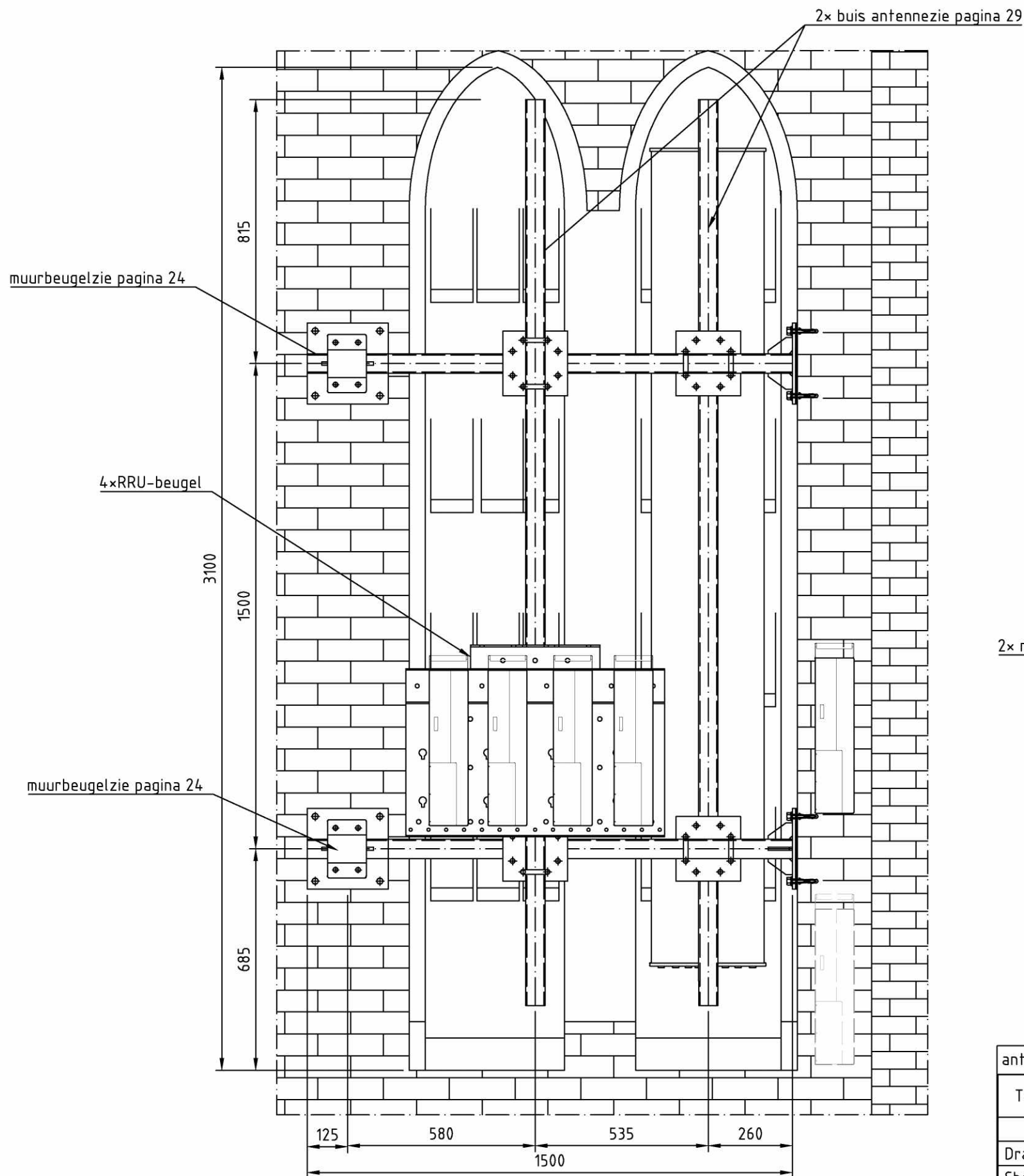
T-Mobile: L025673
T-Infra:

A3

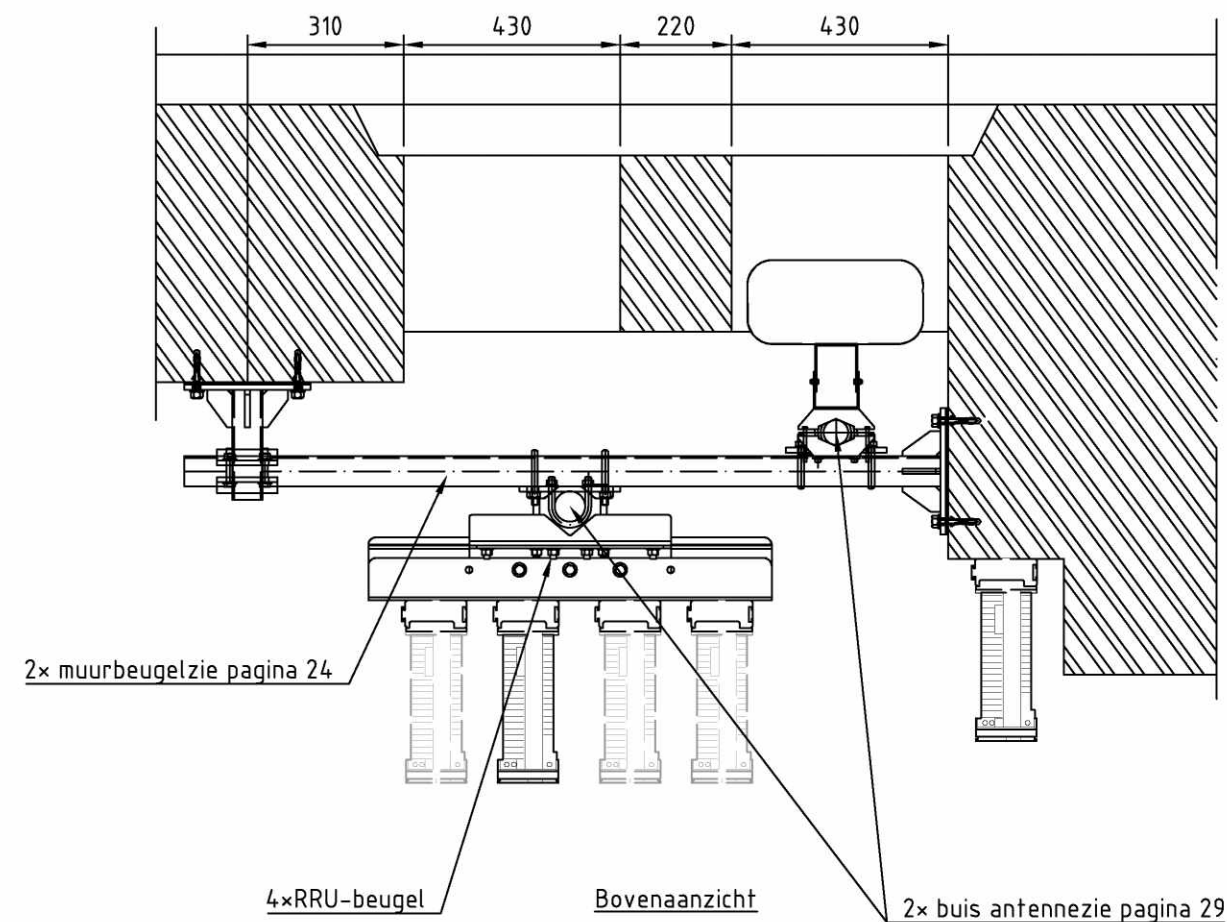
Projection
⊕



Title: BESTAANDE Apparatuur			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:20	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	14/ 32
	Location adress:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection
	5.1.2,e 5.1.2,e			T-Infra:	



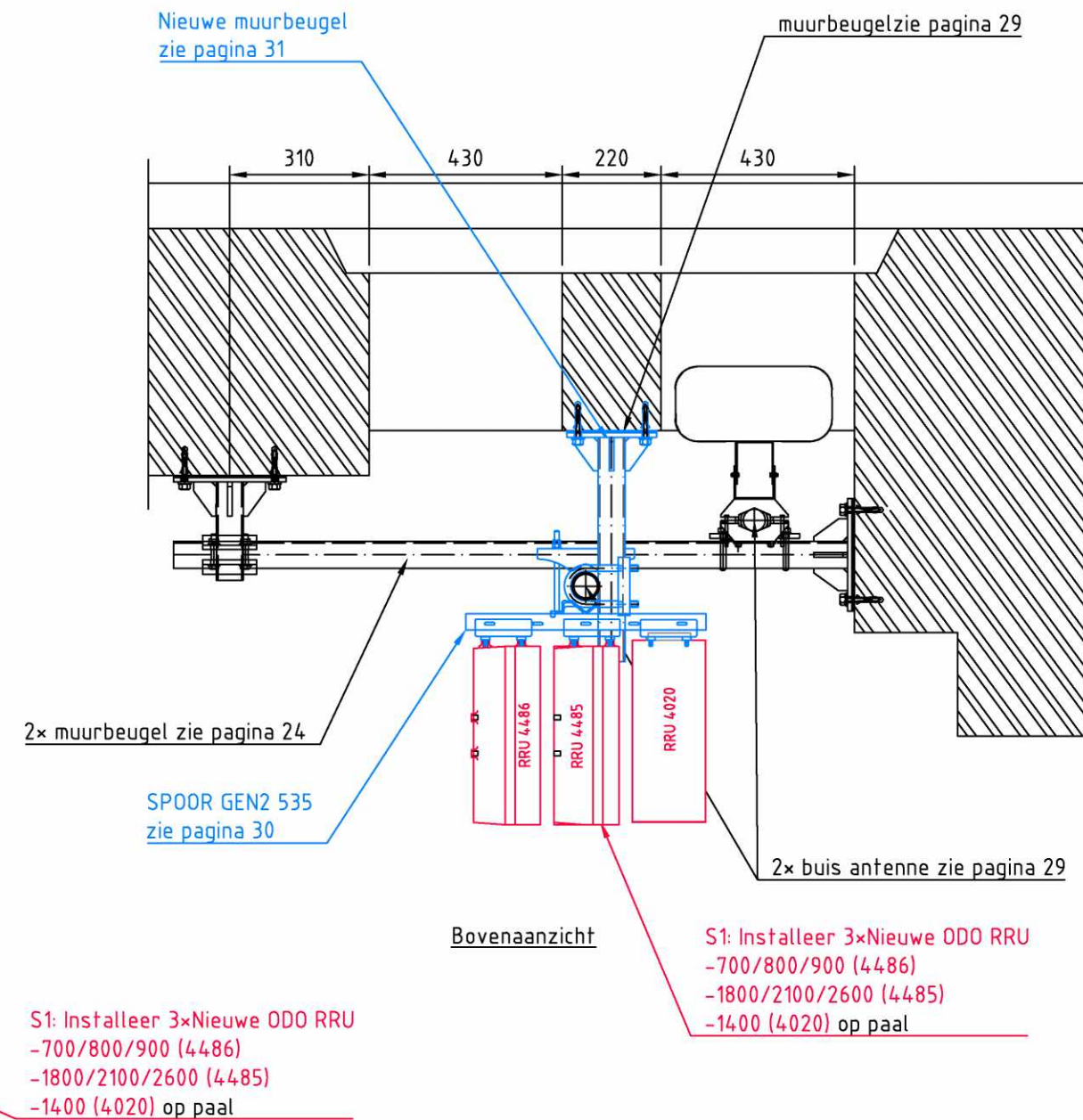
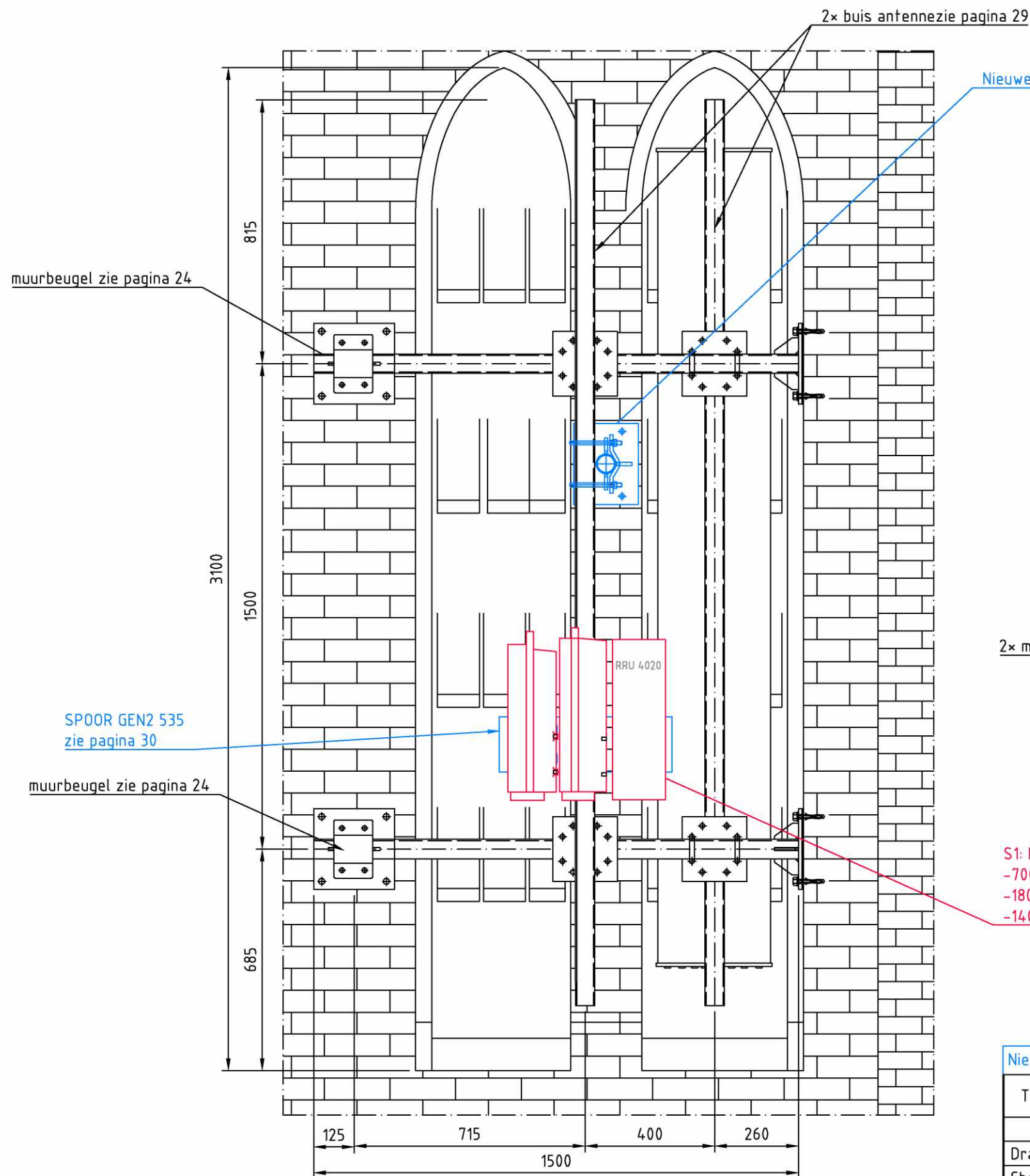
Vooraanzicht



Bovenaanzicht

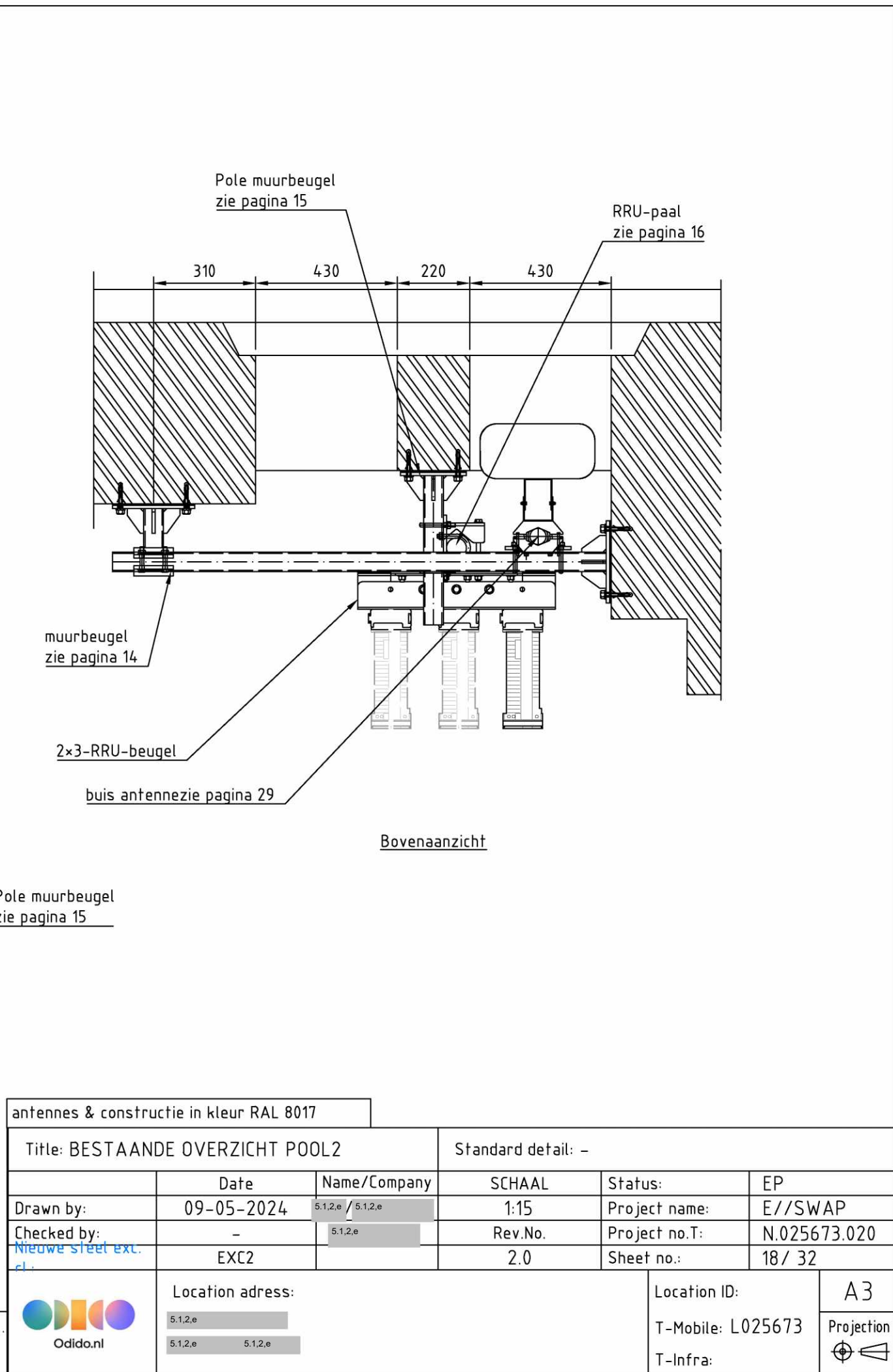
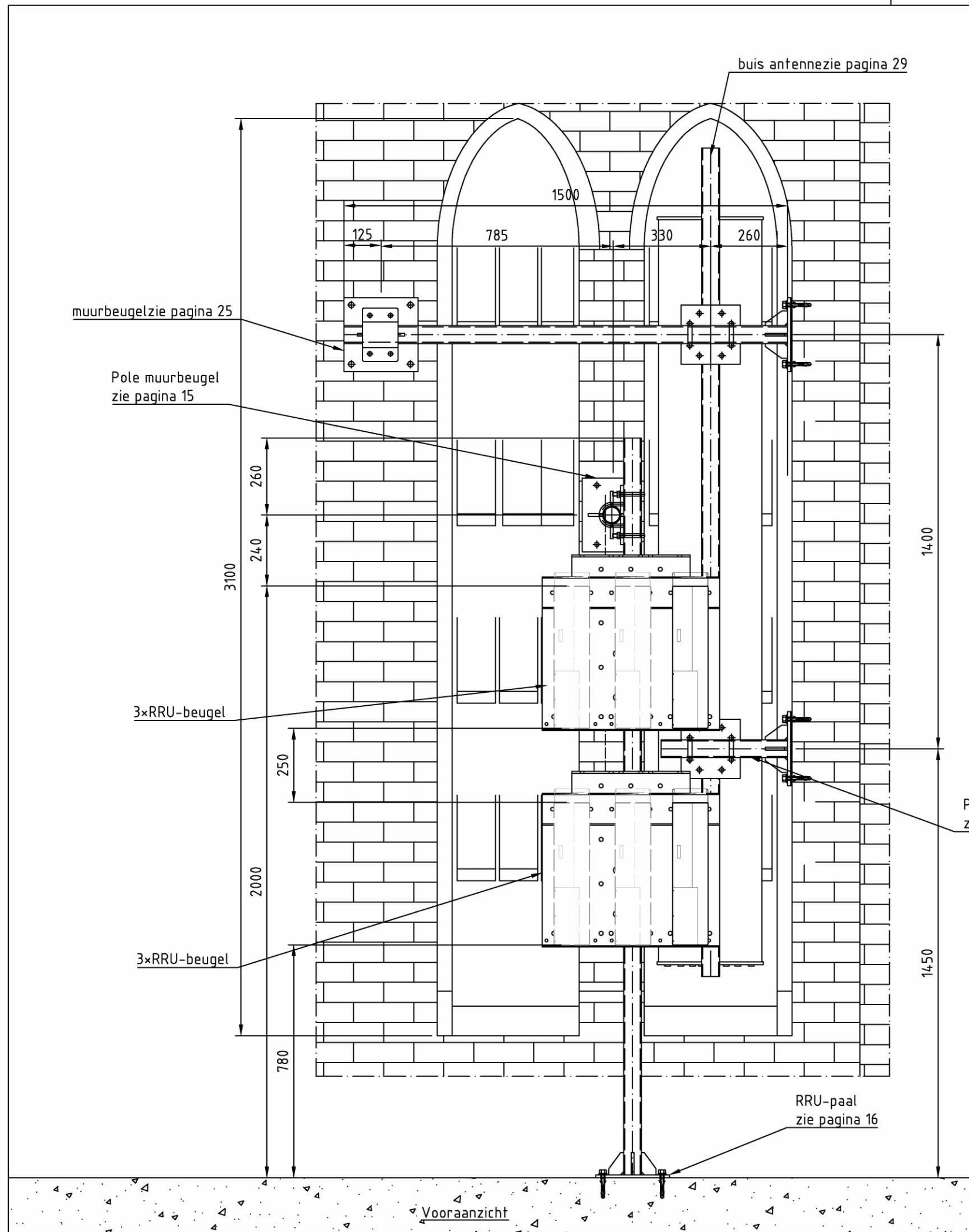
antennes & constructie in kleur RAL 8017

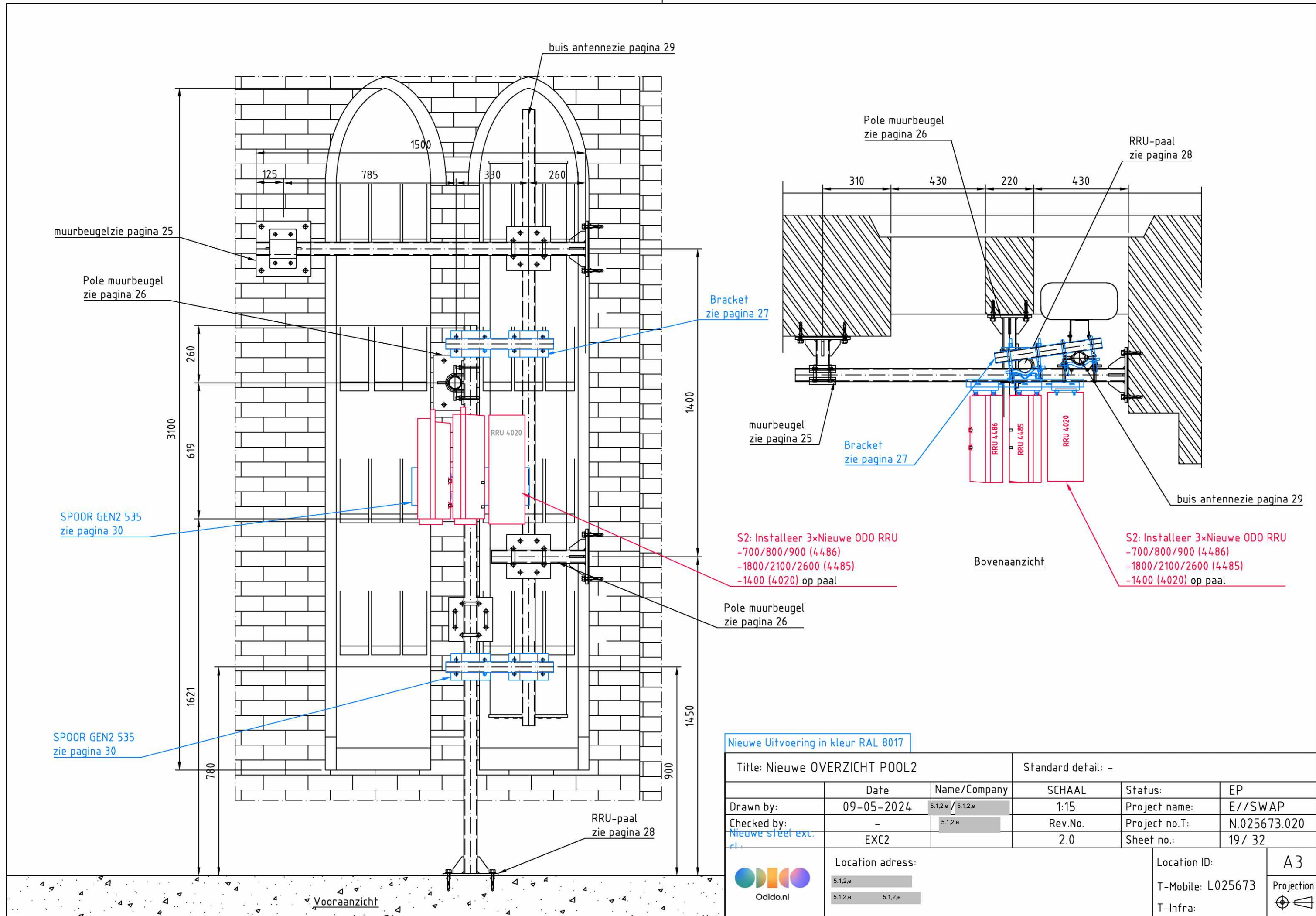
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Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steet ext. cl.	EXC2		2.0	Sheet no.:	16/ 32
	Location adress:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection
	5.1.2,e 5.1.2,e			T-Infra:	



Nieuwe Uitvoering in kleur RAL 8017

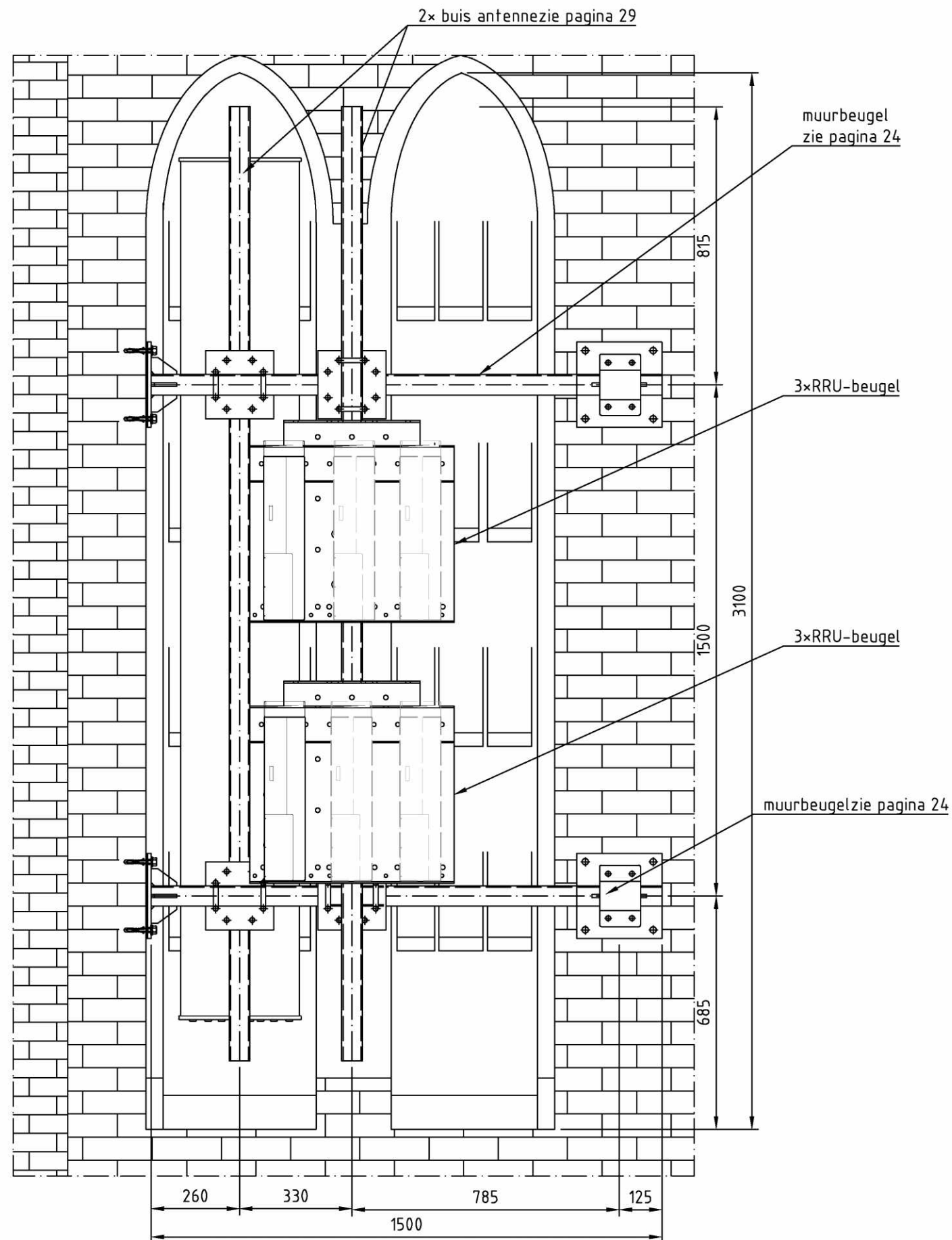
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Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
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	Location adress:			Location ID:	A3
	5.1.2.e			T-Mobile: L025673	Projection
	5.1.2.e 5.1.2.e			T-Infra:	



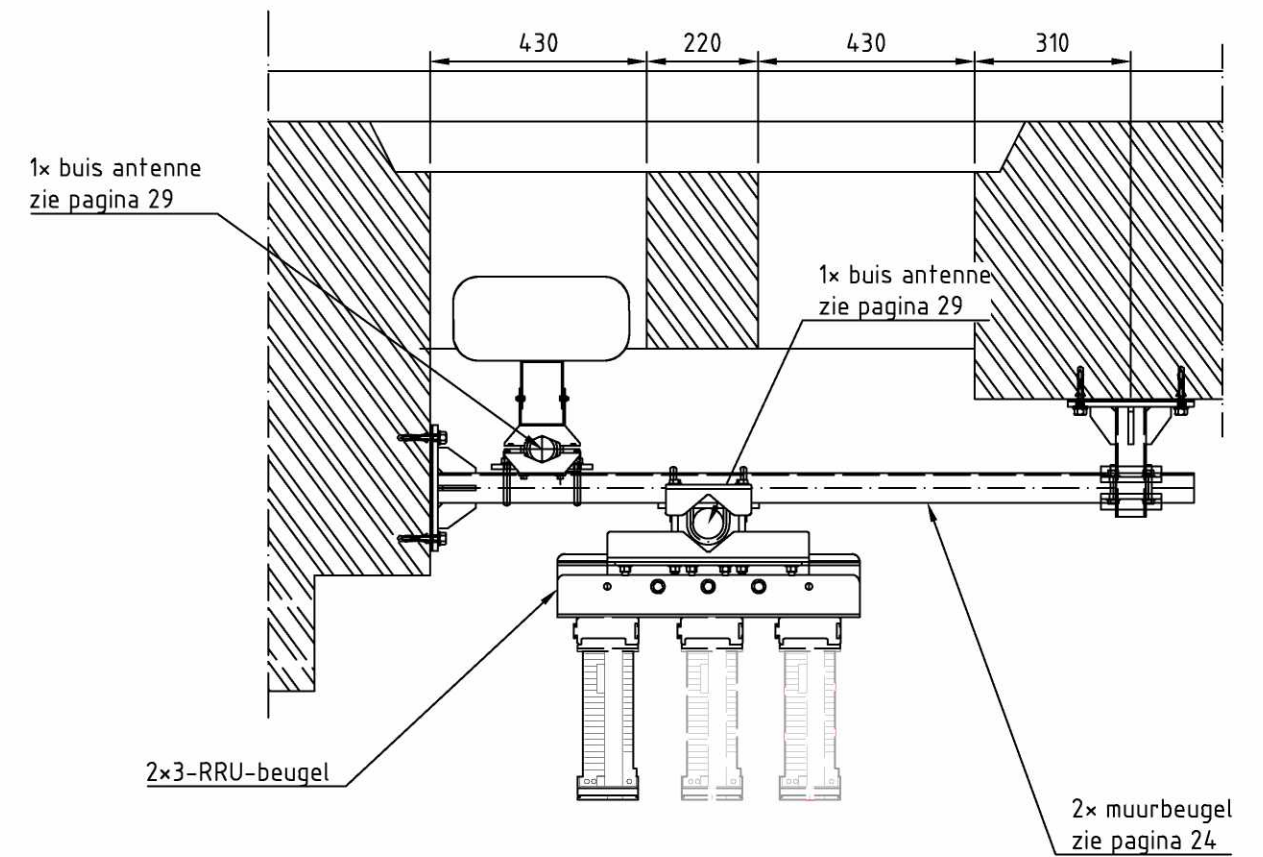


Nieuwe Uitvoering in kleur RAL 8017

Title: Nieuwe OVERZICHT POOL2			Standard detail: -					
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Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	1:15	Project name:	E//SWAP			
Checked by:	-	5.1,2,e	Rev.No.	Project no.T:	N.025673.020			
Nieuwe steel exc. cl:	EXC2		2.0	Sheet no.:	19/ 32			
 Odido.nl				Location address:		Location ID:		A3
				5.1,2,e		T-Mobile: L025673		
				5.1,2,e 5.1,2,e		T-Infra:		Projection
								



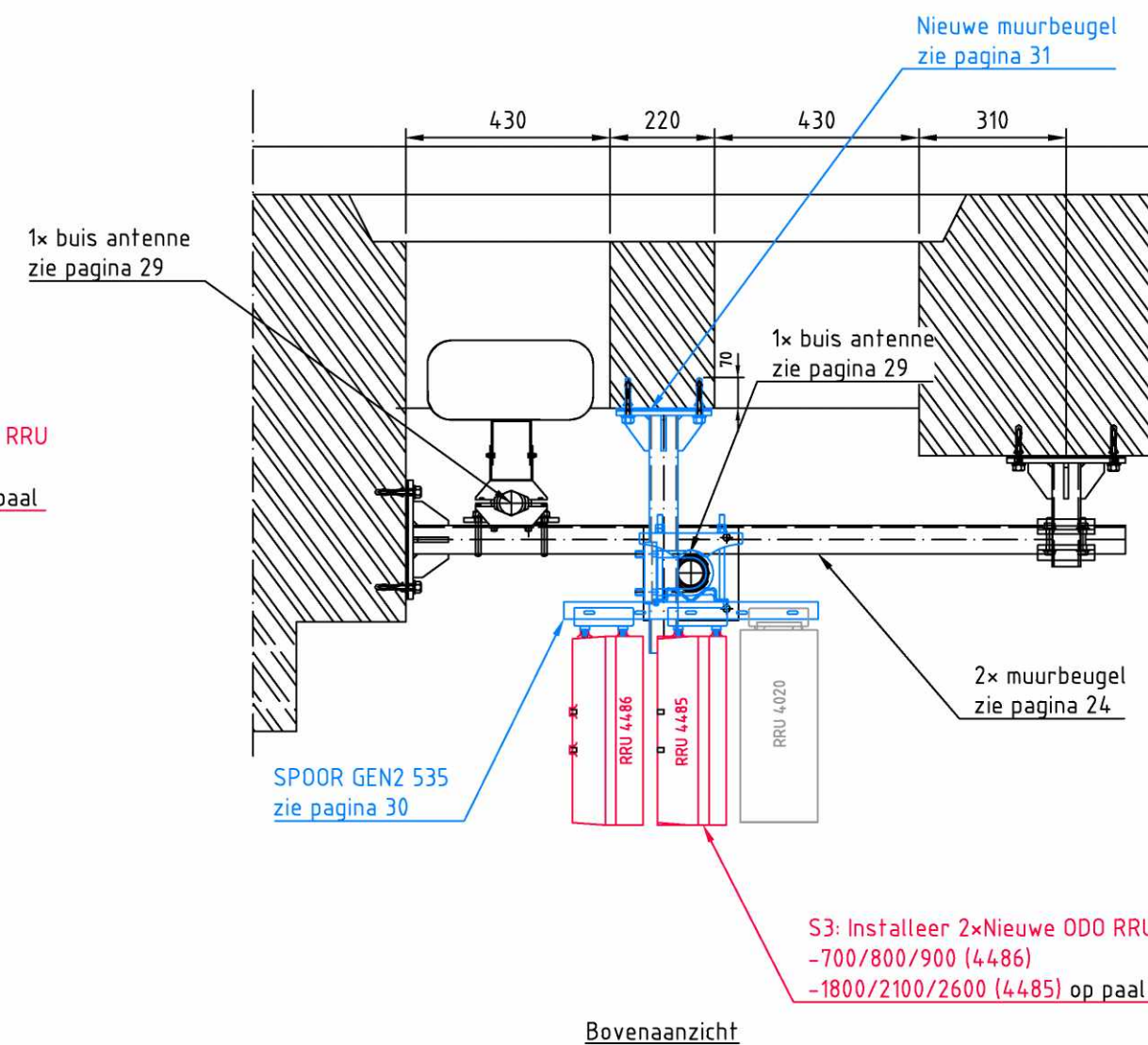
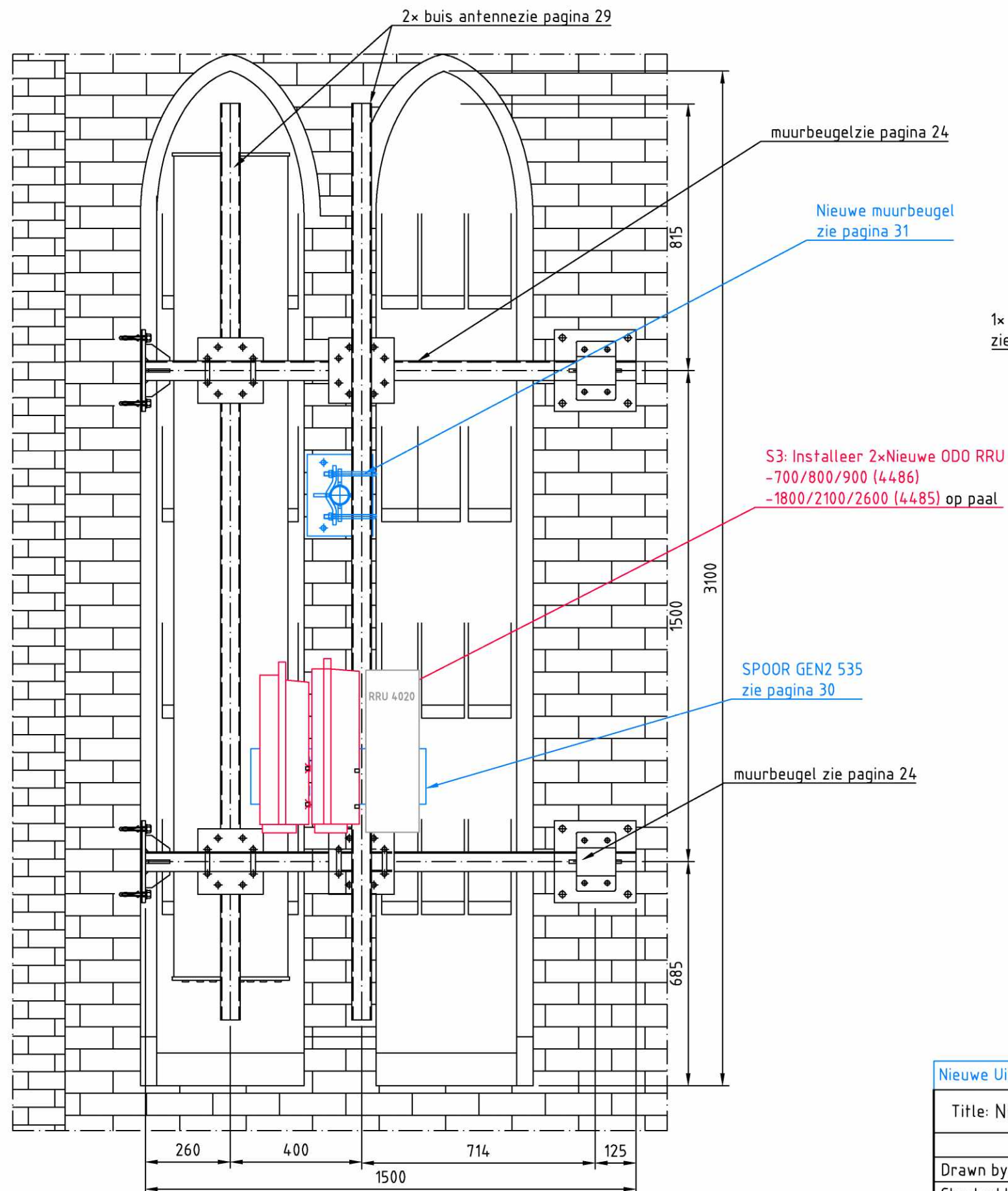
Voorraanzicht



Bovenaanzicht

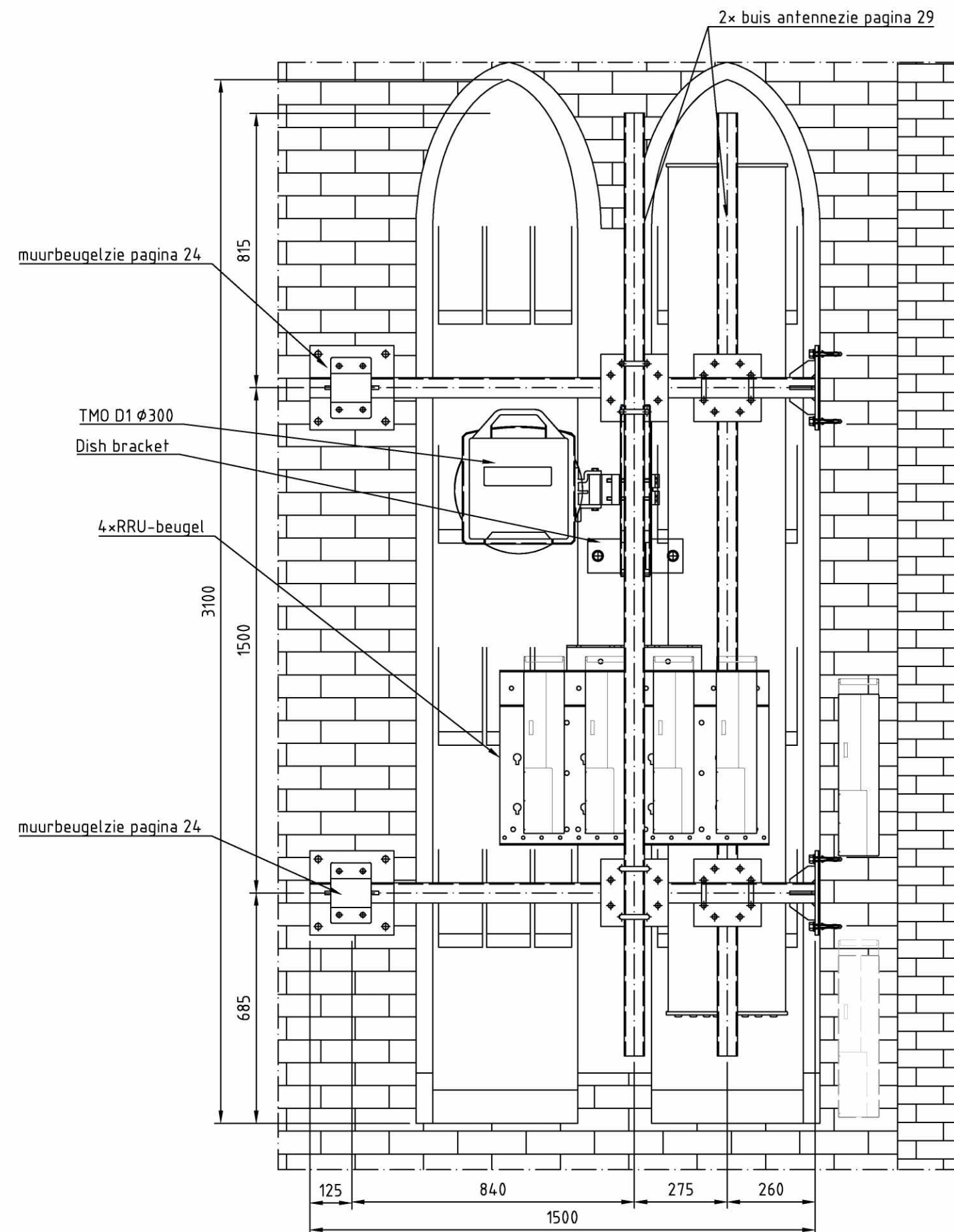
antennes & constructie in kleur RAL 8017

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Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:15	Project name:	E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steet ext. cl.	EXC2		2.0	Sheet no.:	20/ 32
 Odido.nl	Location adress:			Location ID:	A3
	5.1.2.e			T-Mobile: L025673	Projection
	5.1.2.e 5.1.2.e			T-Infra:	

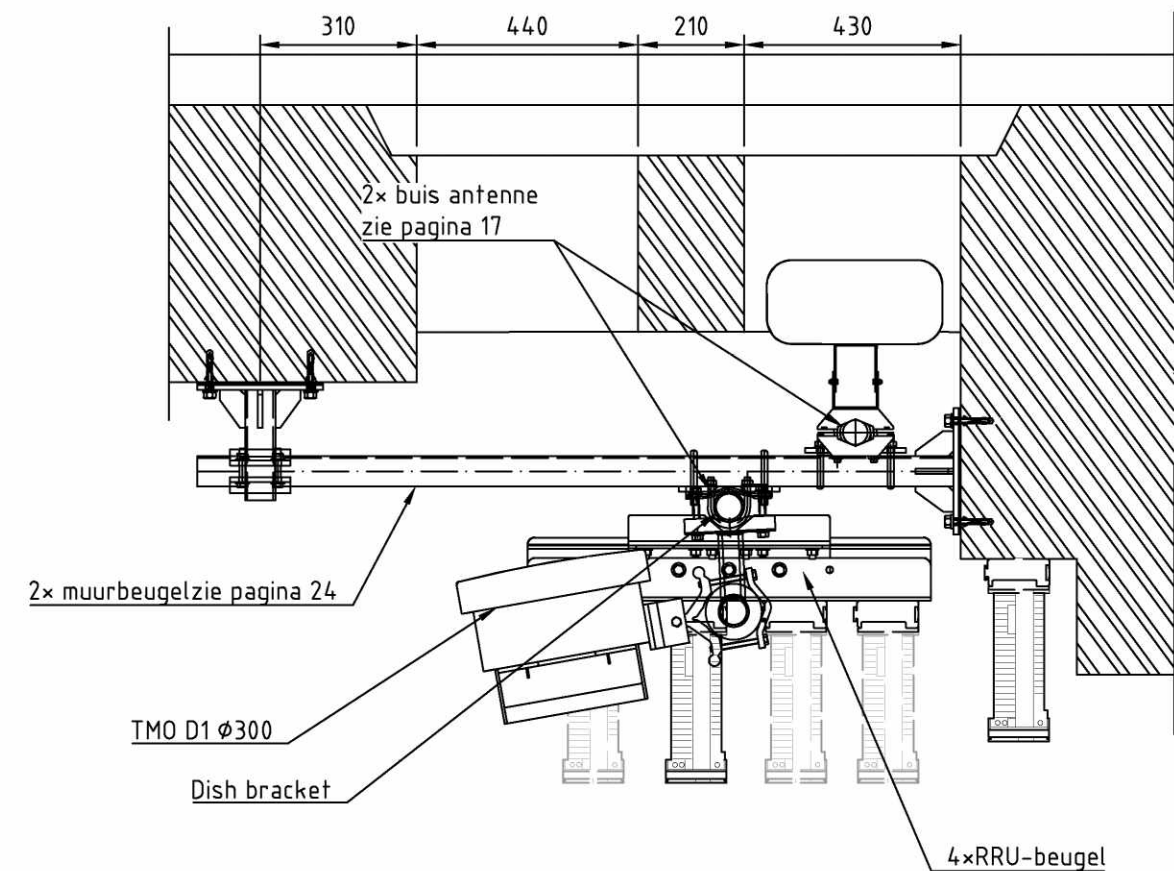


Nieuwe Uitvoering in kleur RAL 8017

Title: Nieuwe OVERZICHT POOL3			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:15	Project name:	E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	21/ 32
 Odido.nl	Location adress:			Location ID:	A3
	5.1.2.e			T-Mobile: L025673	Projection
	5.1.2.e 5.1.2.e			T-Infra:	



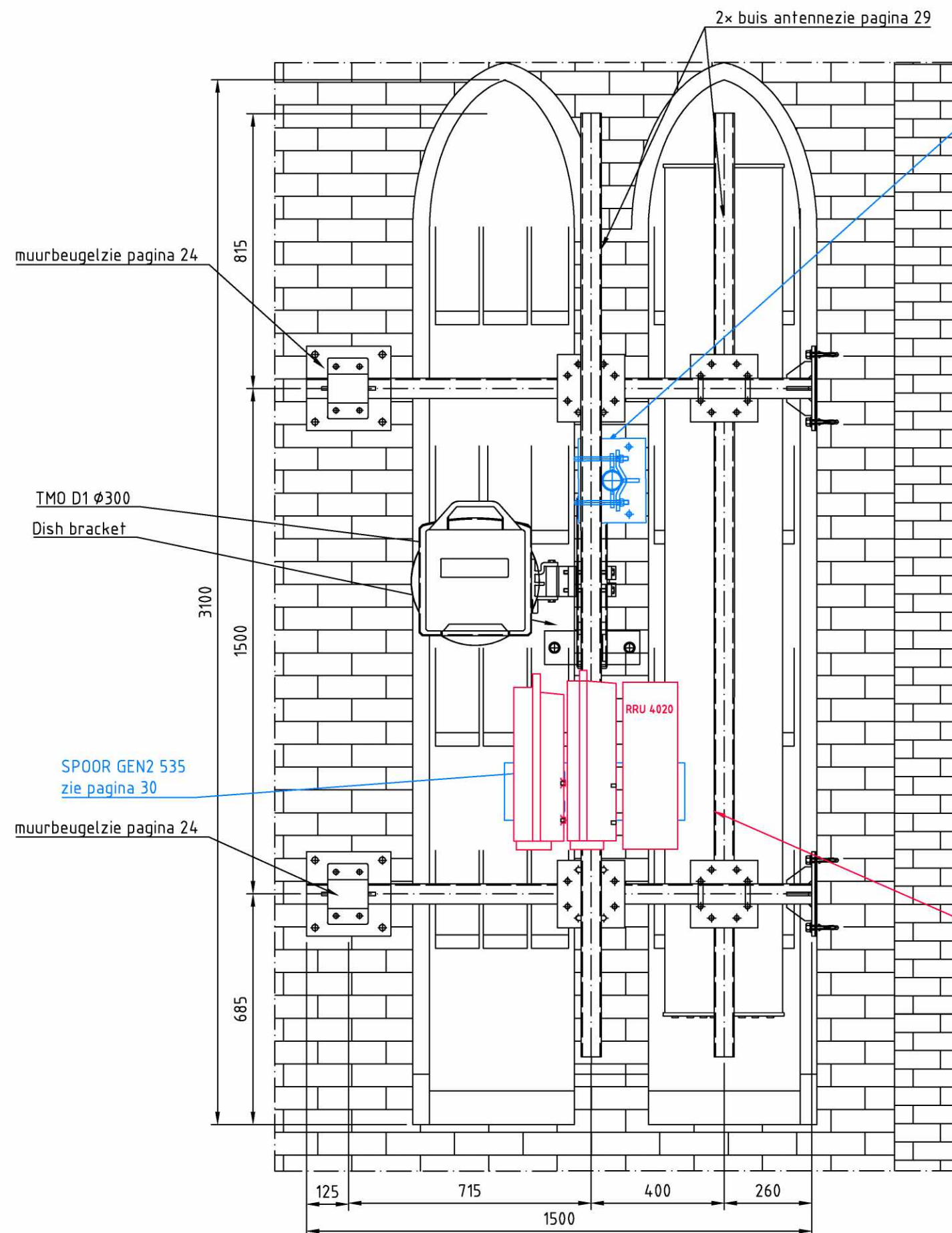
Vooraanzicht



Bovenaanzicht

antennes & constructie in kleur RAL 8017

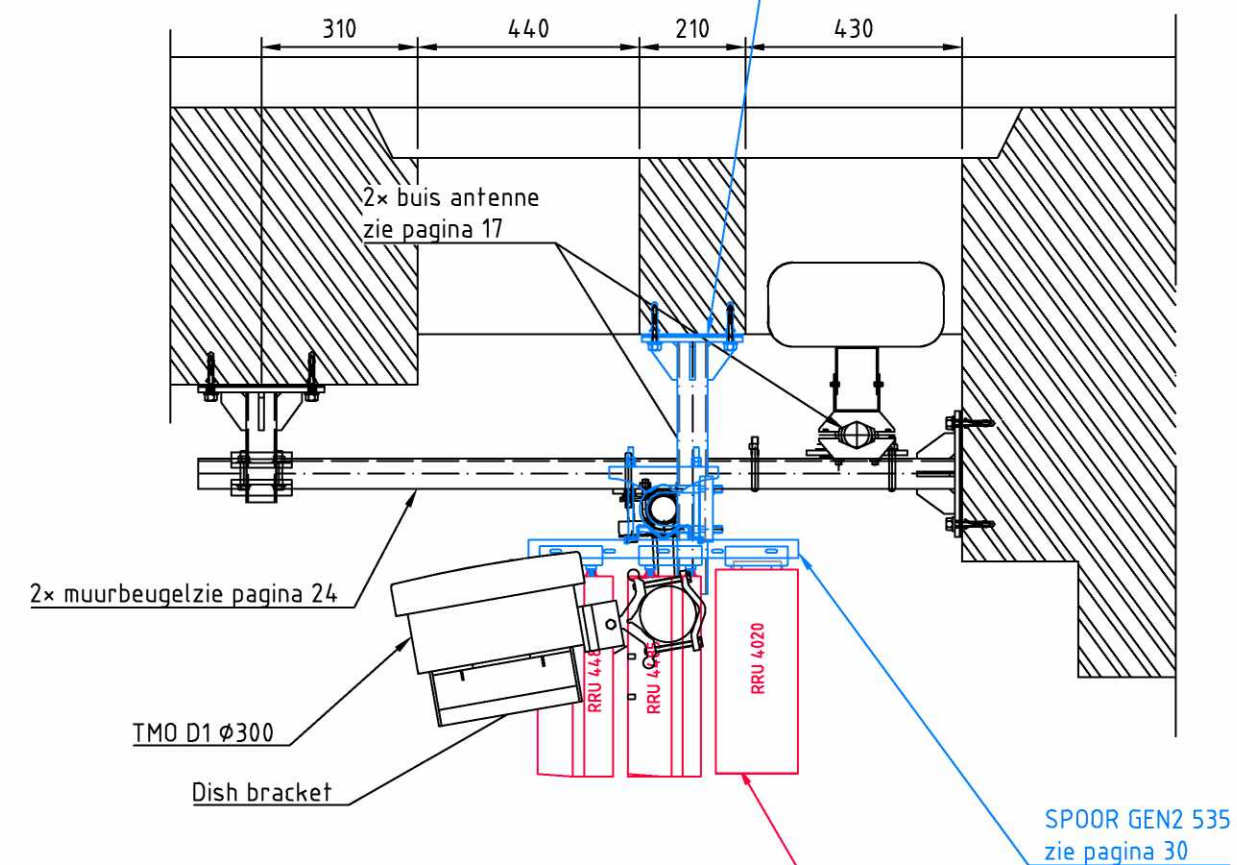
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	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:15	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steet ext. cl.	EXC2		2.0	Sheet no.:	22/ 32
 Odido.nl	Location adress:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection 
	5.1.2,e Goirle			T-Infra:	



Vooraanzicht

Nieuwe muurbeugel
zie pagina 31

Nieuwe muurbeugel
zie pagina 31



Bovenaanzicht

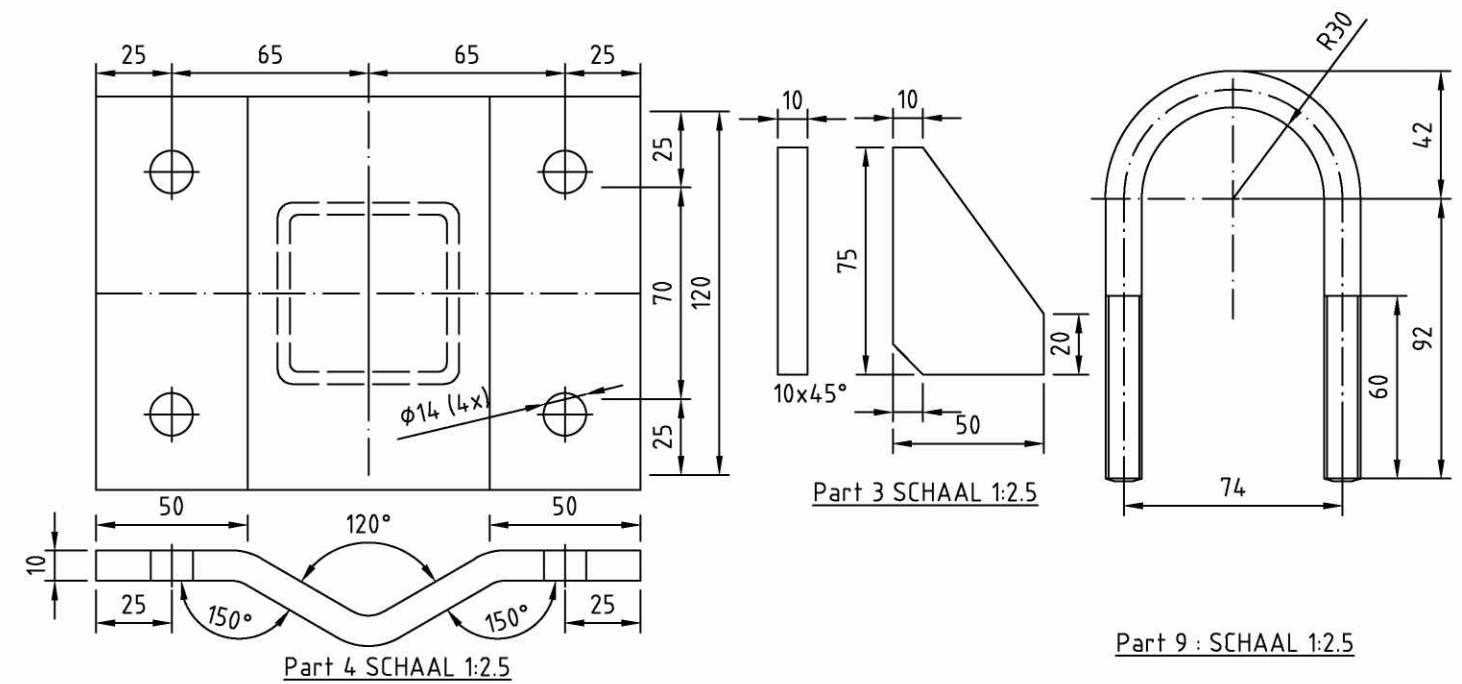
S4: Installeer 3x Nieuwe ODO RRU
-700/800/900 (4486)
-1800/2100/2600 (4485)
-1400 (4020) op paal

S4: Installeer 3x Nieuwe ODO RRU
-700/800/900 (4486)
-1800/2100/2600 (4485)
-1400 (4020) op paal

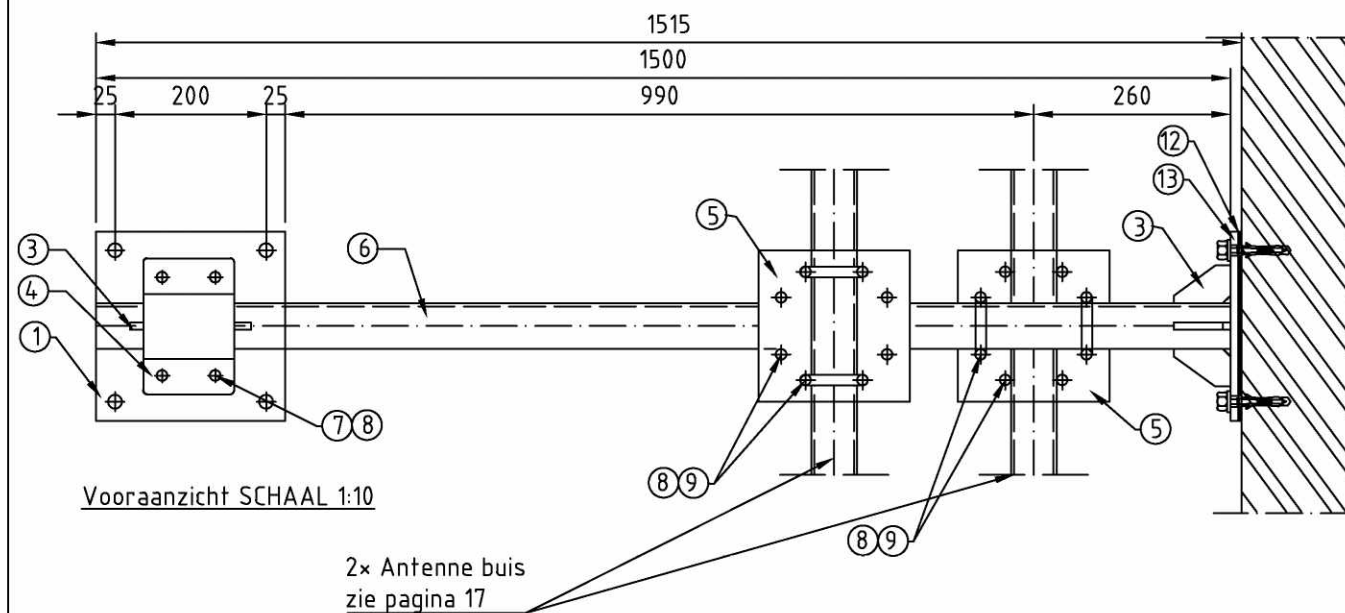
Nieuwe Uitvoering in kleur RAL 8017

Title: Nieuwe OVERZICHT POOL4			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:15	Project name:	E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	23/ 32
 Odido.nl	Location address:			Location ID:	A3
	5.1.2.e			T-Mobile: L025673	Projection 
	5.1.2.e Goirle			T-Infra:	





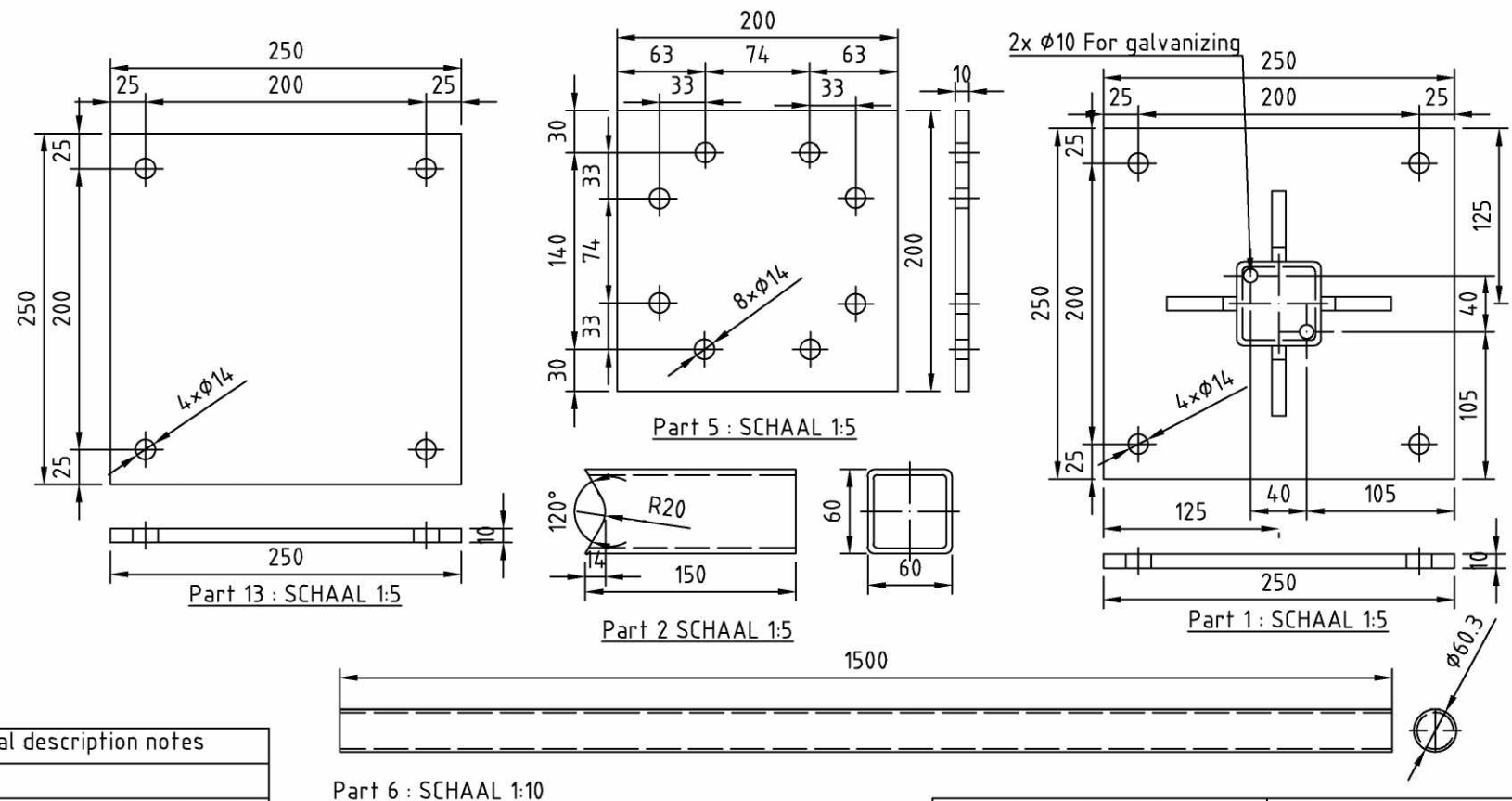
Bovenaanzicht SCHAAL 1:10



Vooraanzicht SCHAAL 1:10

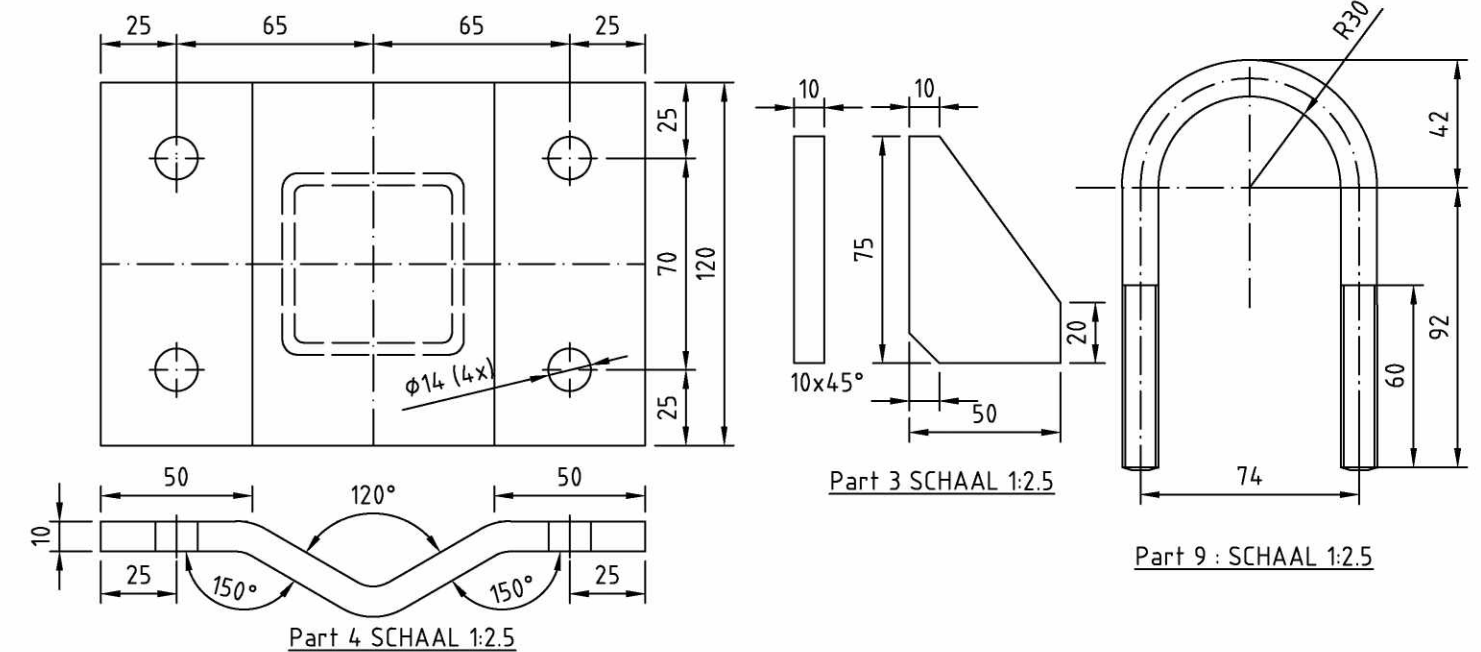
- BOUW6x
- Geheel staal thermisch verzinkt
- Lassen: constructief min 4mm, tenzij anders aangegeven
- Nieuwe staalconstructie volgens EXC2

Part	Quantity	Part description	Length	Material	Technical description Technical description notes
1	1	plaat 250x10mm	250mm	S235JRG2 THVZ	Weld to part 2 & 3
2	1	Squared tube 60x60x4mm	150	S235JRG2 THVZ	Weld to part 1,3,4
3	8	plaat 50x10	75 mm	S235JRG2 THVZ	Weld to part 1,2,6&13
4	2	plaat 120x10	190 mm	S235JRG2 THVZ	1x Weld to part. 2
5	2	plaat 200x10mm	200mm	S235JRG2 THVZ	-
6	1	Tube $\phi 60.3 \times 4$	5.1.2.e	S235JRG2 THVZ	Weld to part 13 & 3
7	4	SB Bolt M12	80mm	8.8 THVZ	EN15048-1 (ISO4014/4032) ISO SB bolt + nut
8	32	Nordlock Ring M12	-	S235JRG2 THVZ	Nordlock Delta
9	8	U-Bolt M12	300mm	St. 8.8 THVZ	EN15048-1 (ISO4014/4032) 8.8 THVZ ISO U-bolt+2xnut
10	8	Houtdraadbouten verzinkt M12	L=85mm	DIN571 THVZ	Hexagonal head screw
11	8	Plugs M14	L=70mm	Polyamide 6	HUD-1 Plastic sleeve anchor
12	2	plaat 250x5	250 mm	Neoprene	Glue to part 1 & 13
13	1	plaat 250x10mm	250mm	S235JRG2 THVZ	Weld to part 6 & 3

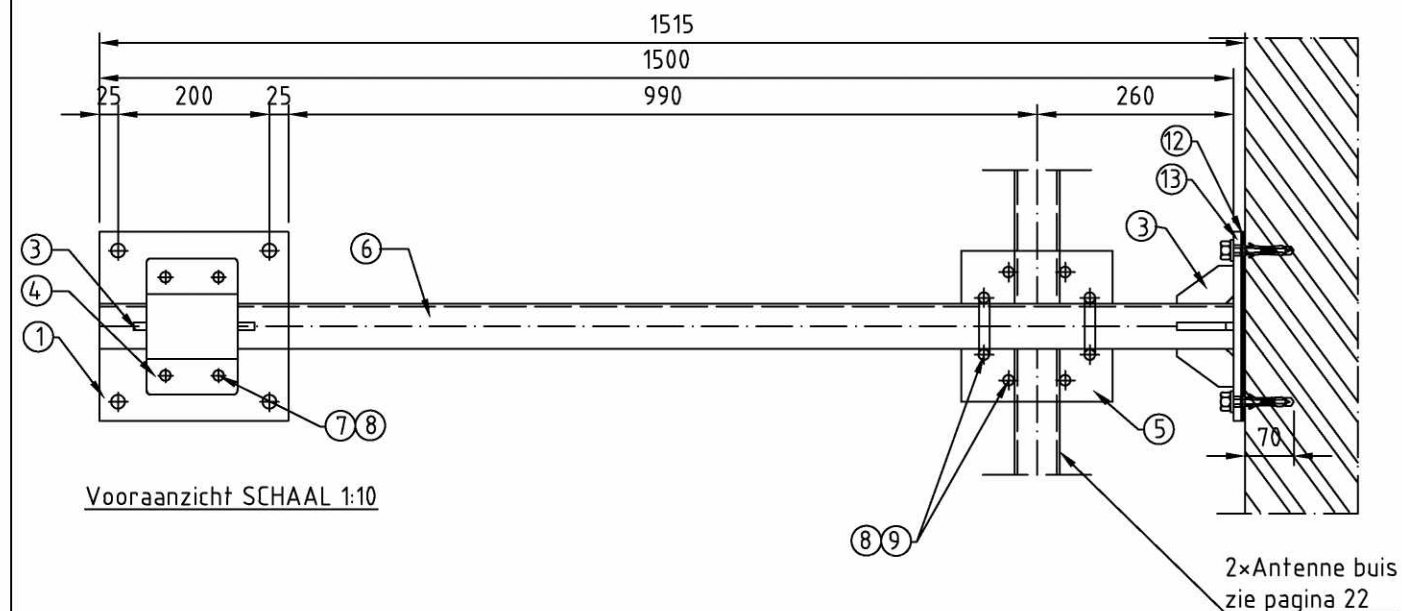


Part 6 : SCHAAL 1:10

Part 6 : SCHAAAL I:IV		Total gross weight of steel:		211.16kg	
Uitvoering in kleur RAL 8017		NEN-1090 certificate number:		2022157	
Title: muurbeugel S1/ S3 /S4			Standard detail: -		
	Date	Name/Company	SCHAAAL	Status:	EP
Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	1:15 / 1:5 /1:2.5	Project name:	E//SWAP
Checked by:	-	5.1,2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	24/ 32
 Odido.nl	Location address:			Location ID:	A3
	5.1,2,e 5.1,2,e Goirle			T-Mobile: L025673 T-Infra:	Projection 



Bovenaanzicht SCHAAL 1:10



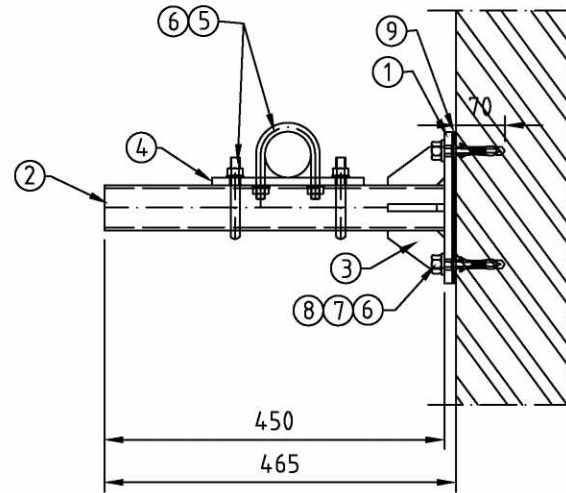
Vooraanzicht SCHAAL 1:10

- BOUW1x
- Geheel staal thermisch verzinkt
- Lassen: constructief min 4mm, tenzij anders aangegeven
- Nieuwe staalconstructie volgens EXC2

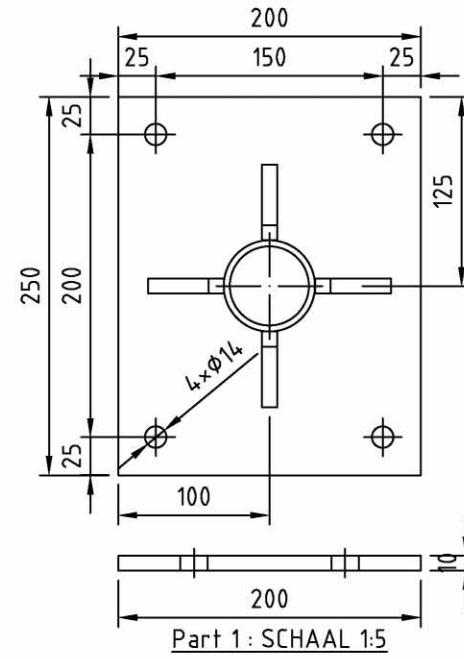
Part	Quantity	Part description	Length	Material	Technical description Technical description notes
1	1	plaat 250×10mm	250mm	S235JRG2 THVZ	Weld to part 2 & 3
2	1	Squared tube 60x60×4mm	150	S235JRG2 THVZ	Weld to part 1,3,4
3	8	plaat 50x10	75 mm	S235JRG2 THVZ	Weld to part 1,2,6&13
4	2	plaat 120x10	190 mm	S235JRG2 THVZ	1x Weld to part. 2
5	1	plaat 200×10mm	200mm	S235JRG2 THVZ	-
6	1	Tube Ø60.3×4	5.1,2,e	S235JRG2 THVZ	Weld to part 13 &3
7	4	SB Bolt M12	80mm	8.8 THVZ	EN15048-1 (ISO4014/4032) ISO SB bolt + nut
8	20	Nordlock Ring M12	-	S235JRG2 THVZ	Nordlock Delta
9	4	U-Bolt M12	300mm	St. 8.8 THVZ	EN15048-1 (ISO4014/4032) 8.8 THVZ ISO U-bolt+2×nut
10	8	Houtdraadbouten verzinkt M12	L=85mm	DIN571 THVZ	Hexagonal head screw
11	8	Plugs M14	L=70mm	Polyamide 6	HUD-1 Plastic sleeve anchor
12	2	plaat 250×5	250 mm	Neoprene	Glue to part 1 &13
13	1	plaat 250×10mm	250mm	S235JRG2 THVZ	Weld to part 6 &3

Part 6 : SCHAAL 1:10

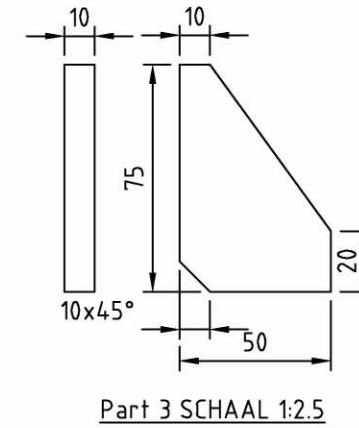
Uitvoering in kleur RAL 8017		Total gross weight of steel: 35.19kg		NEN-1090 certificate number: xxxx.xxx.xxx	
Title: muurbeugel S2			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1,2,e / 5.1,2,e	1:15 / 1:5 / 1:2.5	Project name:	E//SWAP
Checked by:	-	5.1,2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	25/ 32
	Location adress:			Location ID:	A3
	5.1,2,e 5.1,2,e Goirle			T-Mobile: L025673 T-Infra:	Projection 



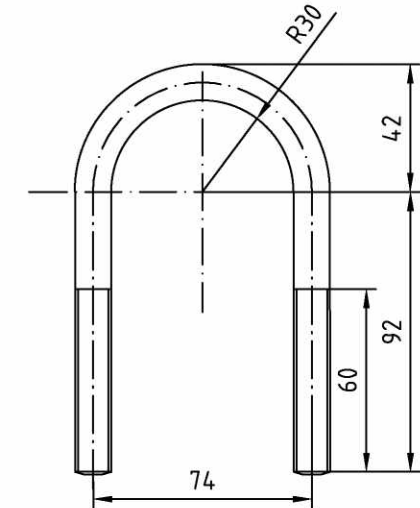
Bovenaanzicht SCHAAL 1:10



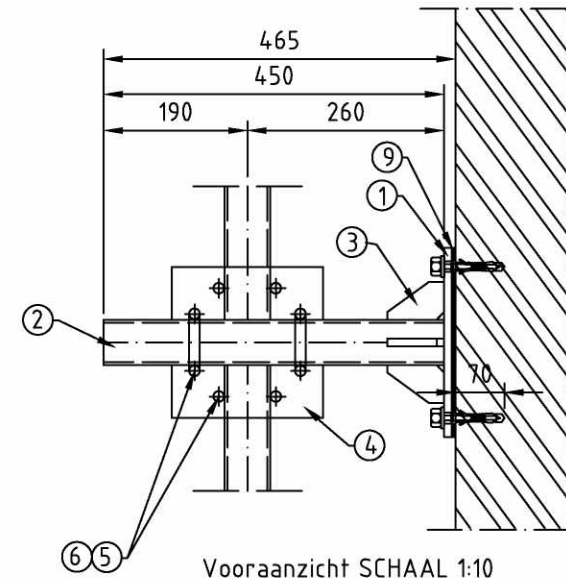
Part 1 : SCHAAL 1:5



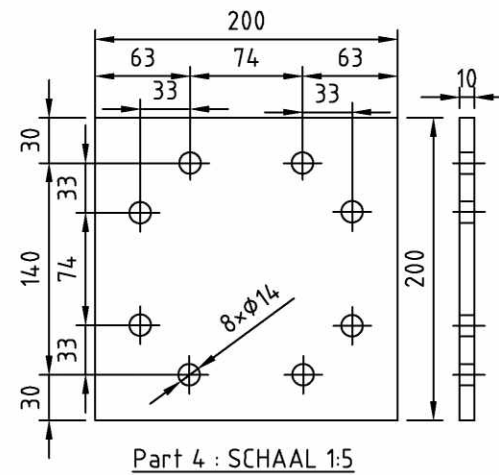
Part 3 SCHAAL 1:2.5



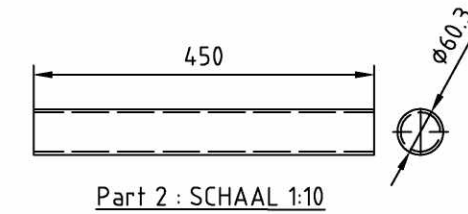
Part 5 : SCHAAL 1:2.5



Vooraanzicht SCHAAL 1:10



Part 4 : SCHAAL 1:5



Part 2 : SCHAAL 1:10

- BOUW1x
- Geheel staal thermisch verzinkt
- Lassen: constructief min 4mm, tenzij anders aangegeven
- Nieuwe staalconstructie volgens EXC2

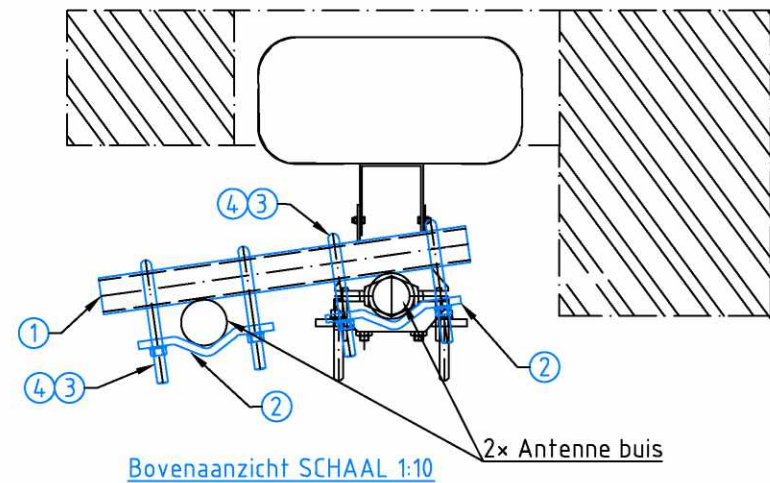
Part	Quantity	Part description	Length	Material	Technical description Technical description notes
1	1	plaat 200x10mm	250mm	S235JRG2 THVZ	Weld to part 2 & 3
2	1	Tube $\phi 60.3 \times 4$	450mm	S235JRG2 THVZ	Weld to part 1 & 3
3	4	plaat 50x10	75 mm	S235JRG2 THVZ	Weld to part 1 & 2
4	1	plaat 200x10mm	200mm	S235JRG2 THVZ	-
5	4	U-Bolt M12	300mm	St. 8.8 THVZ	EN15048-1 (ISO4014/4032) 8.8 THVZ ISO U-bolt+2xnut
6	12	Nordlock Ring M12	-	S235JRG2 THVZ	Nordlock Delta
7	4	Houtdraadbouten verzinkt M12	L=85mm	DIN571 THVZ	Hexagonal head screw
8	4	Plugs M14	L=70mm	Polyamide 6	HUD-1 Plastic sleeve anchor
9	1	plaat 200x5	250 mm	Neoprene	Glue to part 1

Uitvoering in kleur RAL 8017

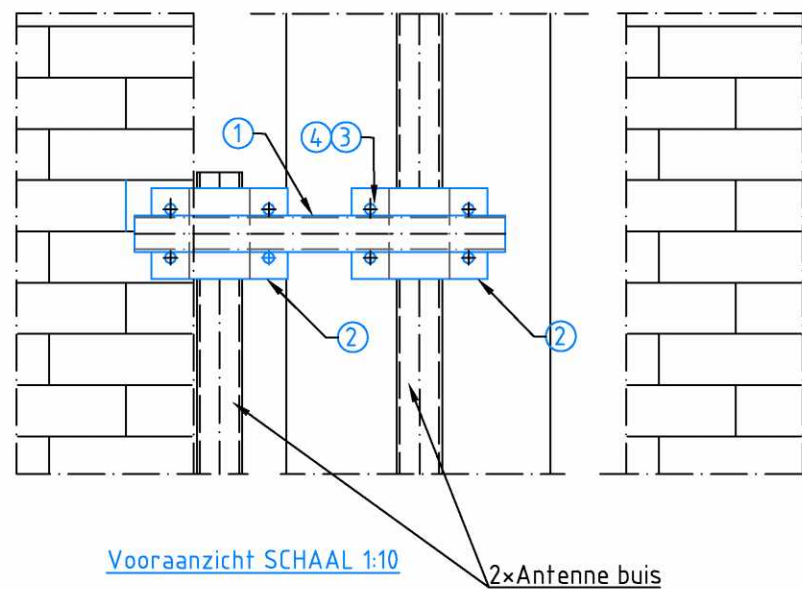
Total gross weight of steel:	40.08kg
NEN-1090 certificate number:	xxxx.xxx.xxx

Title: muurbeugel S2 / RRU			Standard detail: -		
Drawn by:	Date	Name/Company	SCHAAL	Status:	EP
Checked by:	09-05-2024	5.1.2.e / 5.1.2.e	1:10 / 1:5 / 1:2.5	Project name:	E//SWAP
Nieuwe steel ext. cl.	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	26/ 32
Location address:			Location ID:		A3
5.1.2.e			T-Mobile: L025673		Projection
5.1.2.e Goirle			T-Infra:		



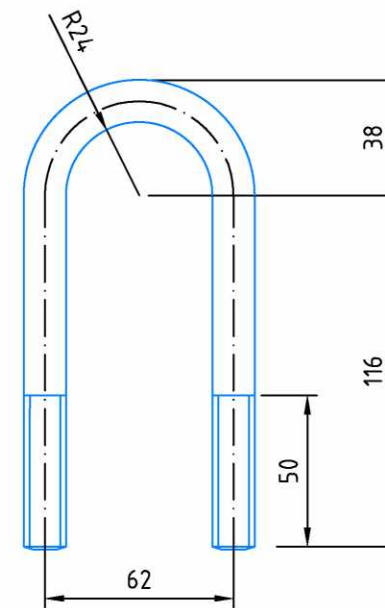


Bovenaanzicht SCHAAL 1:10

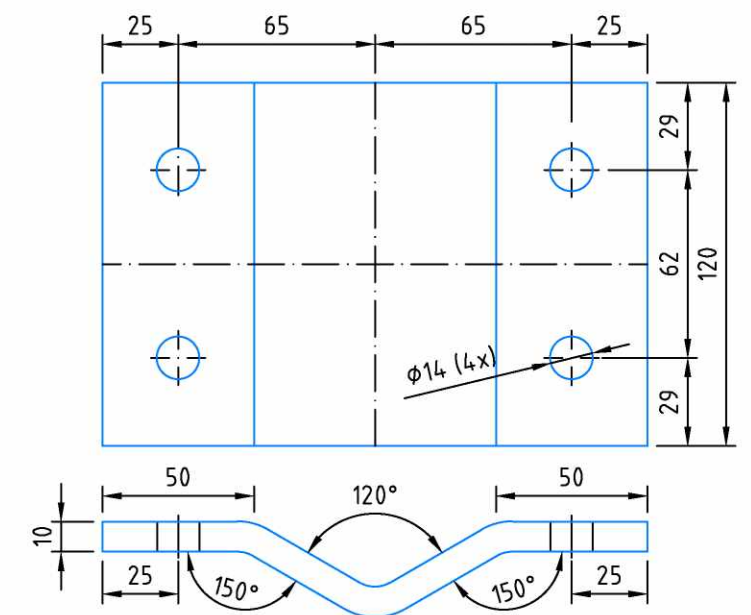


Vooraanzicht SCHAAL 1:10

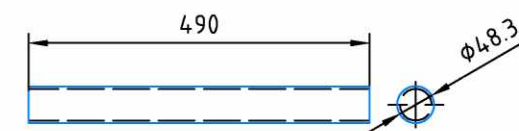
2xAntenne buis



Part 3 : SCHAAL 1:2.5



Part 2 -SCHAAL 1:2.5

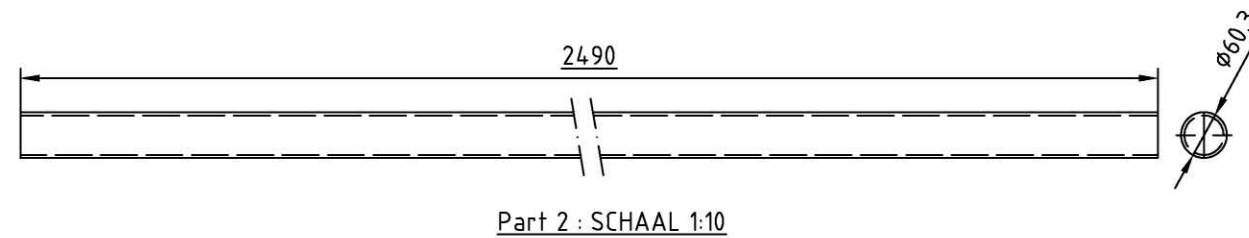
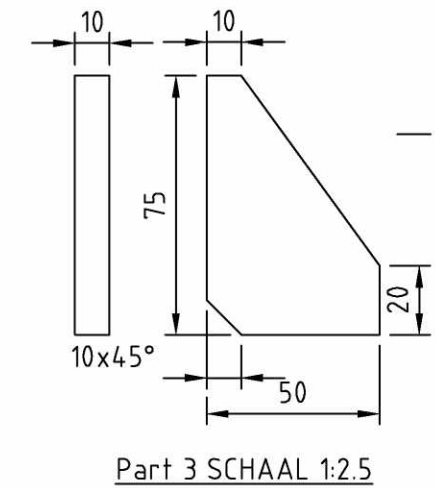
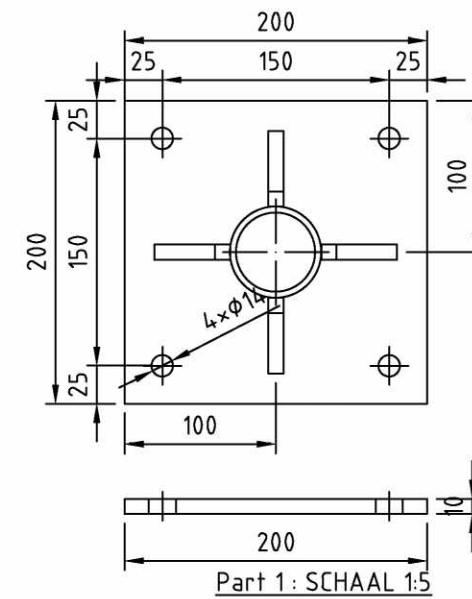
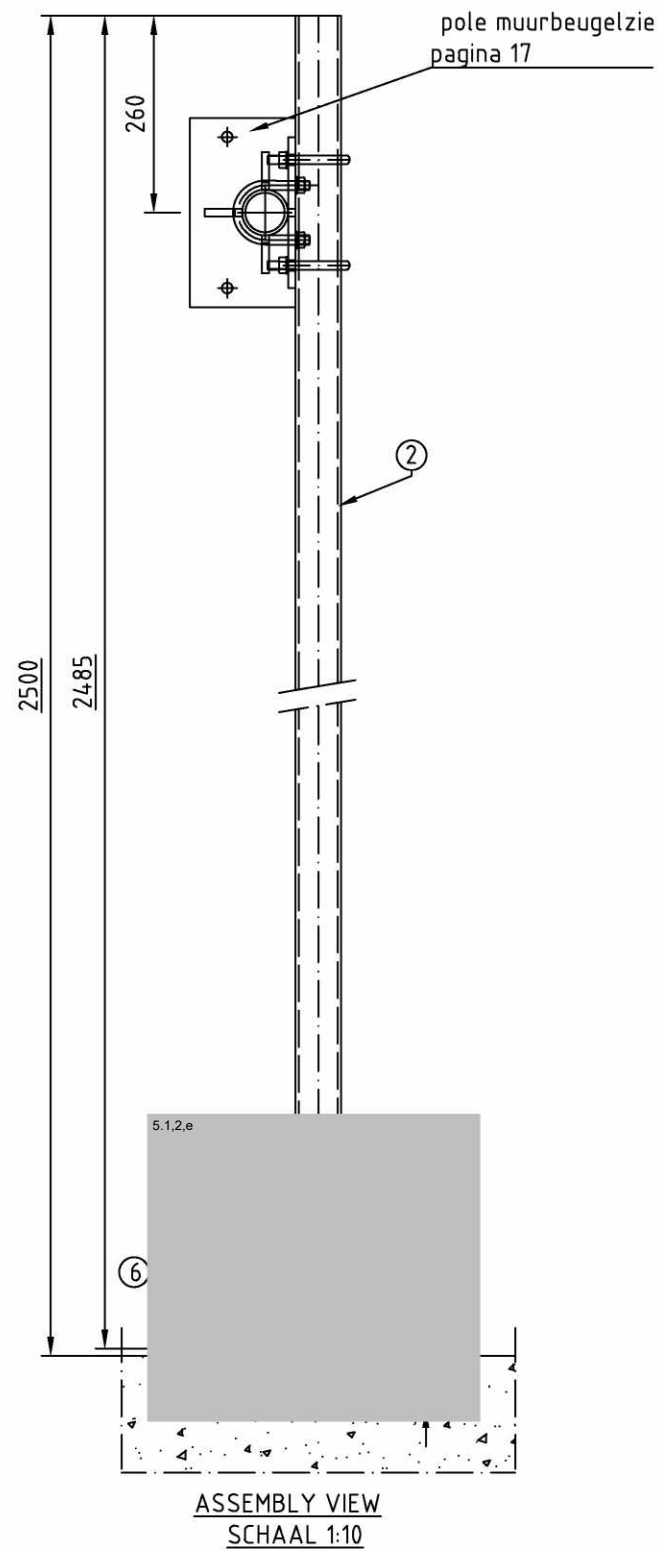


Part 1 : SCHAAL 1:10

- BOUW2x
- Geheel staal thermisch verzinkt
- Lassen: constructief min 4mm, tenzij anders aangegeven
- Nieuwe staalconstructie volgens EXC2

Part	Quantity	Part description	Length	Material	Technical description Technical description notes
1	1	Tube $\phi 48.3 \times 3.2$	490mm	S235JRG2 THVZ	-
2	2	plaat 120x10mm	190mm	S235JRG2 THVZ	-
3	4	U-Bolt M12	300mm	St. 8.8 THVZ	EN15048-1 (ISO4014/4032) 8.8 THVZ ISO U-bolt+2xnut
4	8	Nordlock Ring M12	-	S235JRG2 THVZ	Nordlock Delta

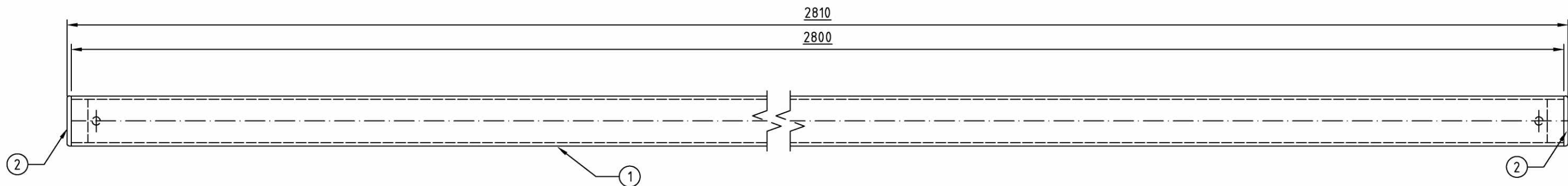
Uitvoering in kleur RAL 8017			Total gross weight of steel: 12.66kg	
			NEN-1090 certificate number: xxxx.xxx.xxx	
Title: BRACKET S2			Standard detail: -	
	Date	Name/Company	SCHAAL	Status: EP
Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:10 / 1:5 / 1:2.5	Project name: E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T: N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.: 27/ 32
	Location address:			Location ID: A3
	5.1.2.e			T-Mobile: L025673
	5.1.2.e 5.1.2.e			T-Infra: Projection



- BOUW1x
- Geheel staal thermisch verzinkt
- Lassen: constructief min 4mm, tenzij anders aangegeven
- Nieuwe staalconstructie volgens EXC2

Part	Quantity	Part description	Length	Material	Technical description Technical description notes
1	1	plaat 200x10mm	200mm	S235JRG2 THVZ	Weld to part 2 & 3
2	1	Tube Ø60.3x4	5.1.2.e	S235JRG2 THVZ	Weld to part 1&3
3	4	plaat 50x10	75 mm	S235JRG2 THVZ	Weld to part 1 & 2
4	4	Nordlock Ring M12	-	S235JRG2 THVZ	Nordlock Delta
5	4	Houtdraadbouten verzinkt M12	L=85mm	DIN571 THVZ	Hexagonal head screw
6	4	Plugs M14	L=70mm	Polyamide 6	HUD-1 Plastic sleeve anchor

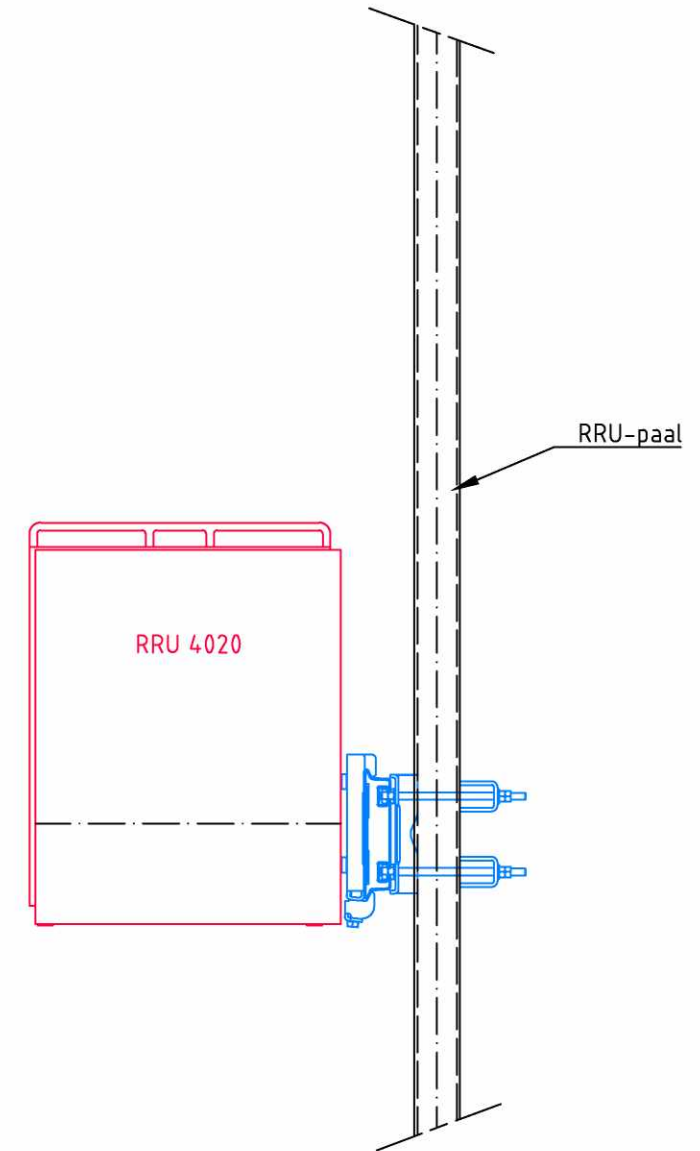
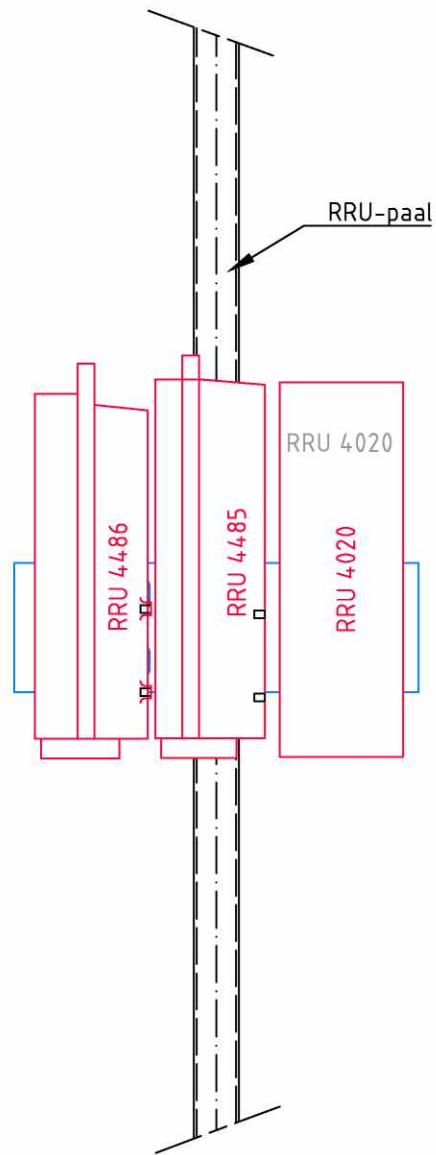
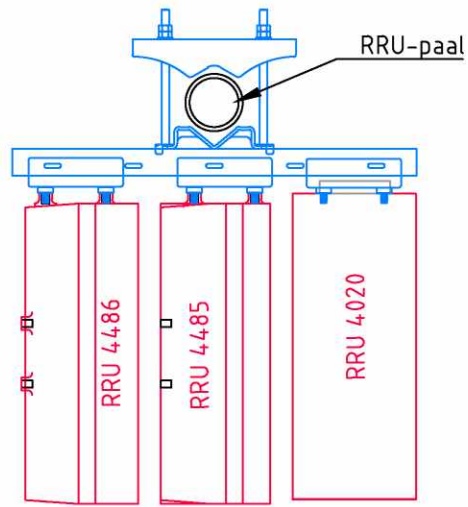
Uitvoering in kleur RAL 8017			Total gross weight of steel: 18.24kg	
			NEN-1090 certificate number: xxxx.xxx.xxx	
Title: RRU-paal S2			Standard detail: -	
	Date	Name/Company	SCHAAL	Status: EP
Drawn by:	09-05-2024	5.1.2.e / 5.1.2.e	1:10 / 1:5 / 1:2.5	Project name: E//SWAP
Checked by:	-	5.1.2.e	Rev.No.	Project no.T: N.025673.020
Nieuwe staal ext. cl.	EXC2		2.0	Sheet no.: 28/ 32
Location address:			Location ID: A3	
5.1.2.e			T-Mobile: L025673	
5.1.2.e 5.1.2.e			T-Infra:	
Odido.nl			Projection	



- BOUW7x
- All steel parts hot dip galvanizing
- Constructive welds min. 4mm ,unless otherwise specified
- Nieuwe steel BOUW according to EXC2

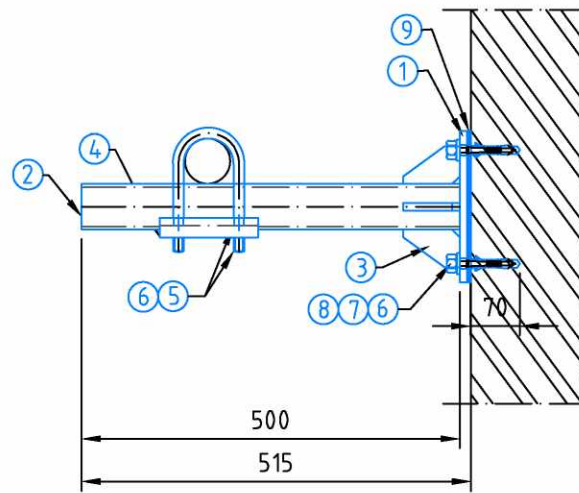
part	Qty	Part description	Length	Material	Technical description notes
1	01	Tube Ø60.3x4	5.1.2,e	S235JRG2 THVZ	-
2	02	Plastic cap	-	PVC	-

Total gross weight of steel:		108.78 kg			
NEN-1090 certificate number:		xxxx.xxx.xxx		Uitvoering in kleur RAL 8017	
Title: Antenne buis				Standard detail: -	
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:10	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	29/ 32
 Odido.nl	Location adress:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection 
	5.1.2,e 5.1.2,e			T-Infra:	

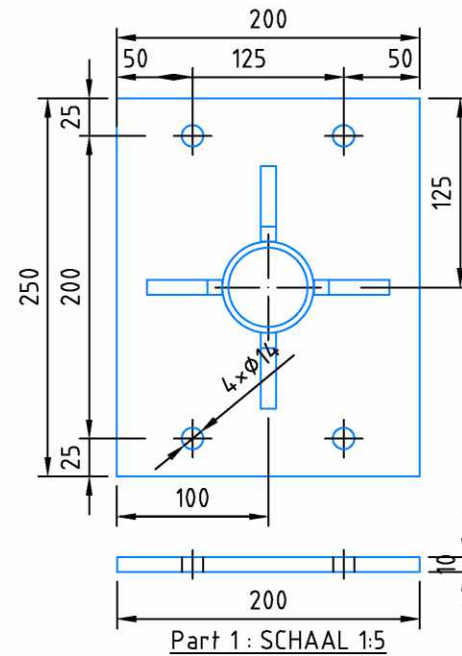


5x SPOOR GEN 2 535

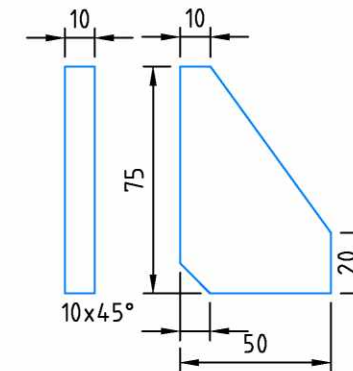
Title: SPOOR GEN 2 535			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	1:10 / 1:5 / 1:2.5	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steel ext. cl.	EXC2		2.0	Sheet no.:	30/ 32
	Location address:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection
	5.1.2,e 5.1.2,e			T-Infra:	



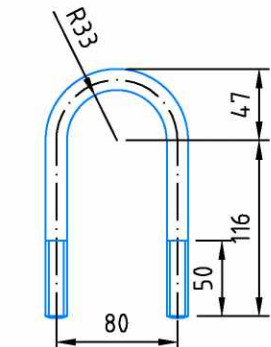
Bovenaanzicht SCHAAL 1:10



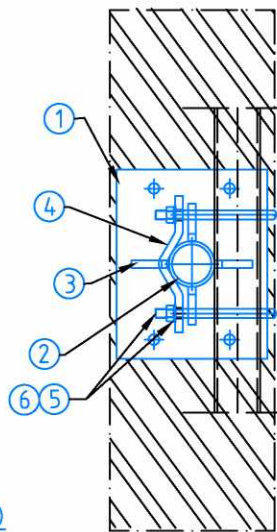
Part 1 : SCHAAL 1:5



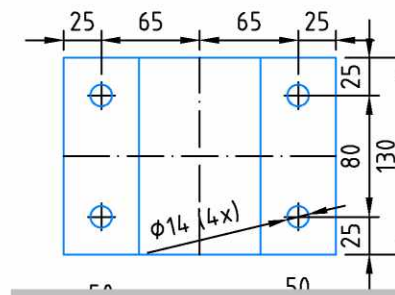
Part 3 SCHAAL 1:2.5



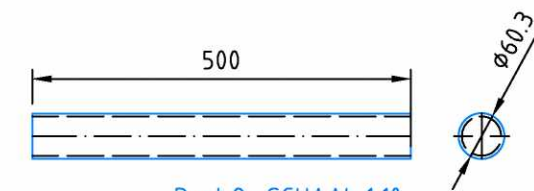
Part 5 : SCHAAL 1:5



Vooraanzicht SCHAAL 1:10



Part 4 -SCHAAL 1:5



Part 2 : SCHAAL 1:10

- BOUW3x
- Geheel staal thermisch verzinkt
- Lassen: constructief min 4mm, tenzij anders aangegeven
- Nieuwe staalconstructie volgens EXC2

Part	Quantity	Part description	Length	Material	Technical description Technical description notes
1	1	plaat 200x10mm	250mm	S235JRG2 THVZ	Weld to part 2 & 3
2	1	Tube $\phi 60.3 \times 4$	500mm	S235JRG2 THVZ	Weld to part 1 & 3
3	4	plaat 50x10	75 mm	S235JRG2 THVZ	Weld to part 1 & 2
4	1	plaat 130x10mm	190mm	S235JRG2 THVZ	-
5	2	U-Bolt M12	360mm	St. 8.8 THVZ	EN15048-1 (ISO4014/4032) 8.8 THVZ ISO U-bolt+2xnut
6	8	Nordlock Ring M12	-	S235JRG2 THVZ	Nordlock Delta
7	4	Houtdraadbouten verzinkt M12	L=85mm	DIN571 THVZ	Hexagonal head screw
8	4	Plugs M14	L=70mm	Polyamide 6	HUD-1 Plastic sleeve anchor
9	1	plaat 200x5	250 mm	Neoprene	Glue to part 1

Nieuwe Uitvoering in kleur RAL 8017

Total gross weight of steel:	29.70kg
NEN-1090 certificate number:	xxxx.xxx.xxx

Title: muurbeugel S1,S3,S4/ RRU			Standard detail: -		
Drawn by:	Date	Name/Company	SCHAAL	Status:	EP
Checked by:	09-05-2024	5.1.2.e / 5.1.2.e	1:10 / 1:5 / 1:2.5	Project name:	E//SWAP
Nieuwe stee ext. cl.	-	5.1.2.e	Rev.No.	Project no.T:	N.025673.020
	EXC2		2.0	Sheet no.:	31/ 32
Location address:			Location ID:		A3
5.1.2.e			T-Mobile: L025673		Projection
5.1.2.e 5.1.2.e			T-Infra:		

Current (not swapped) constructions present

Part	Quantity	Part description	Length	Remarks	Reference drawing name	Reference file
75	1	K1 SCHEME	-		K1 SCHEME - OUTDOOR	TMNL-SCL-V1.2.dwg
68	1	AC SPD SCHEME	-		AC SPD SCHEME TYPE-A	TMNL-SCL-V1.2.dwg
-	1	AC SPD FRAME	-		AC-SPD BOX - FRAME	-
-	1	DISH BRACKET	-		DISH BRACKET	-

× = Part number equals to page number from SCL file, according to applied revision of SCL

GENERAL NOTE:

All reference drawings are contained in the TMNL Standard BOUWLibrary (SCL), available on T-Share. Always include the drawing file revision number in the parts list to avoid mismatch between items and versions.

In order to avoid Re-TSS for items/constructions which are not fully detailed in the EP (e.g. but not limited to: muurbeugels, roofpads, frame beams, etc.) the measurements of these parts should be contained in the drawings, proflow (pictures) or a combination of documents. As to guarantee transferability between parties in case of contract termination.

Title: ITEMS LIST			Standard detail: -		
	Date	Name/Company	SCHAAL	Status:	EP
Drawn by:	09-05-2024	5.1.2,e / 5.1.2,e	-	Project name:	E//SWAP
Checked by:	-	5.1.2,e	Rev.No.	Project no.T:	N.025673.020
Nieuwe steet ext. cl.	EXC2		2.0	Sheet no.:	32/ 32
	Location adress:			Location ID:	A3
	5.1.2,e			T-Mobile: L025673	Projection
	5.1.2,e 5.1.2,e			T-Infra:	