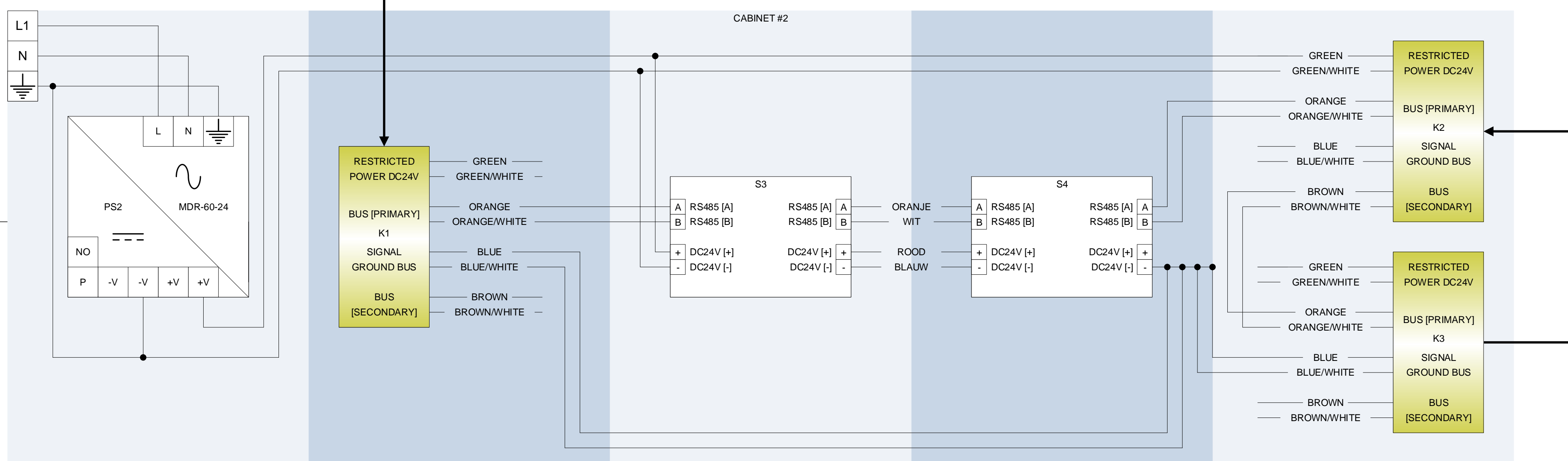
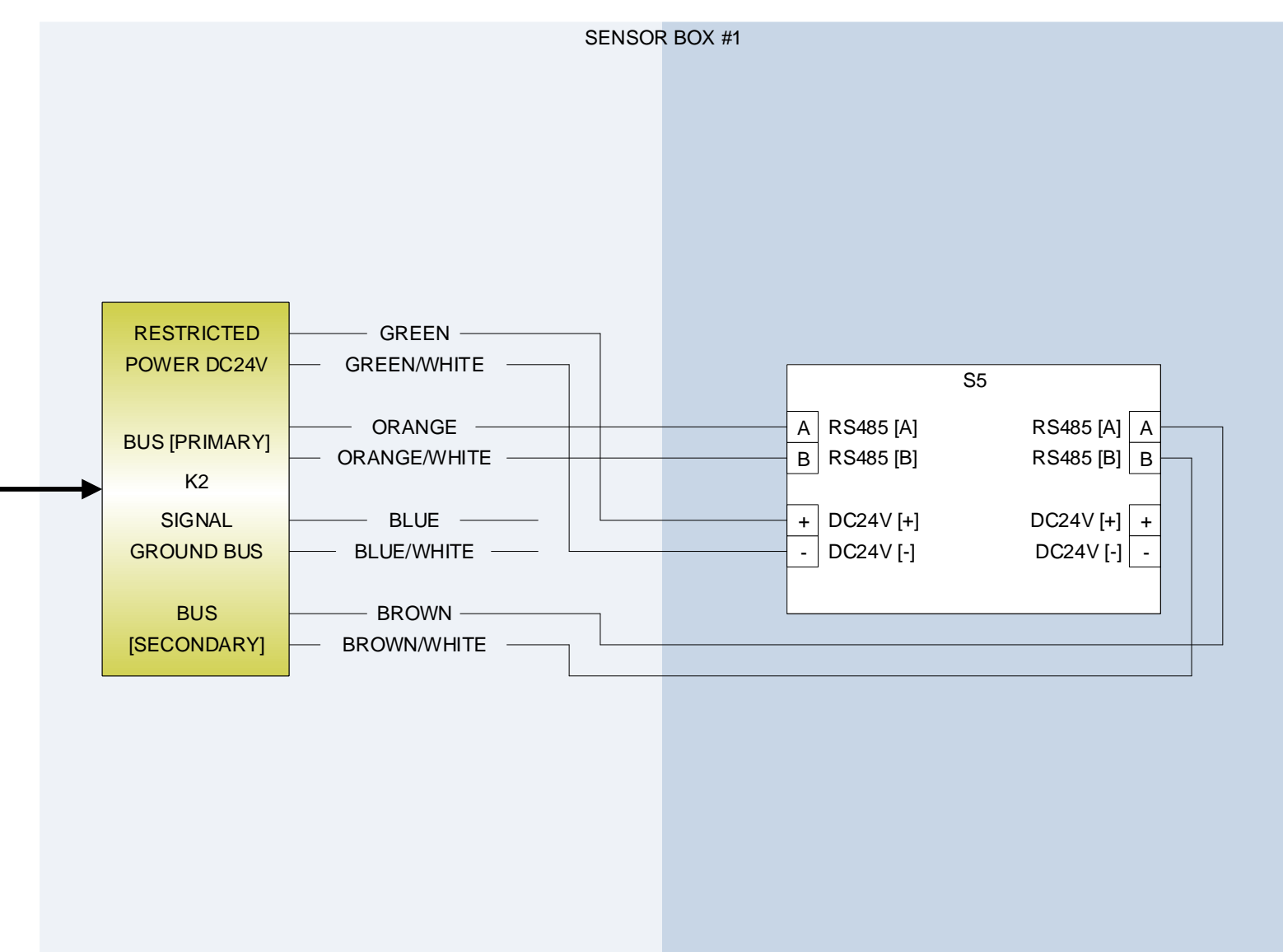


PS1: POWER SUPPLY AC110-240V / DC24V
 P1: HORTIMAX GO PANEL PC BUS TERMINATION RESISTOR
 S1: SMARTSWITCH #1
 S2: SMARTSWITCH #2
 K1: OUTGOING BUS CABLE

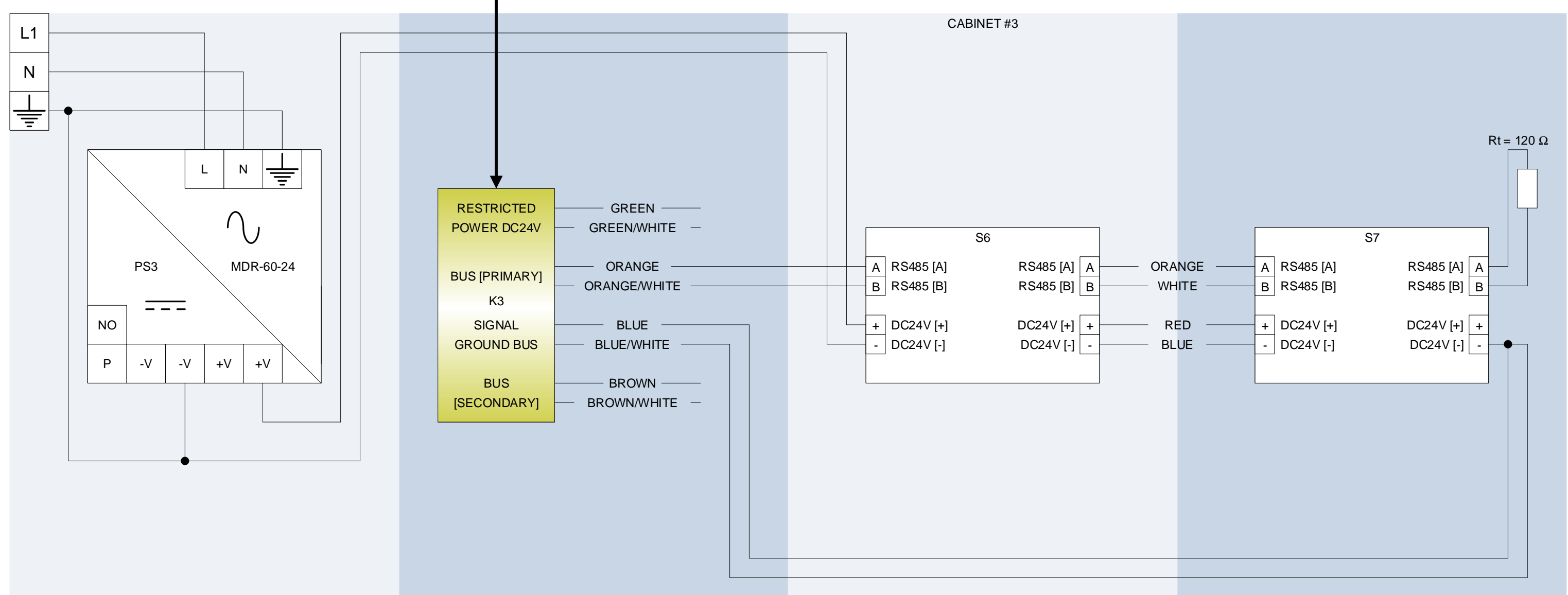
- Communicatiebus specificaties**
- The applied bus cable has to be UTP CAT 5E, AWG 24.
 - The applied bus cable has a specific impedance, Z_0 , of 100 [Ω].
 - On the bus cable no stubs should occur.
 - The maximum number of Smartswitches on the RS485 bus is 32, that are 33 devices including the Touchscreen Panel PC. The bus cable has to be terminated on both outer ends by means of a bus termination resistor of 120 [Ω].
 - The maximum bus cable length is 500 [m].



PS2: POWER SUPPLY AC110-240V / DC24V
 K1: INCOMING BUS CABLE
 S3: SMARTSWITCH #3
 S4: SMARTSWITCH #4
 K2: INCOMING/OUTGOING BUS CABLE
 K3: OUTGOING BUS CABLE



K2: INCOMING/OUTGOING BUS CABLE
 S5: SMARTSWITCH #5



PS3: POWER SUPPLY AC110-240V / DC24V
 K3: INCOMING BUS CABLE
 S6: SMARTSWITCH #6
 S7: SMARTSWITCH #7
 Rt: BUS TERMINATION RESISTOR


CAT 5E
 4 x 2 x AWG24 TWISTED PAIRS
 PREFERABLY MECHANICALLY ENHANCED

TWISTED PAIR [ORANGE] & [ORANGE - WHITE]		
BUS [PRIMAIR]	[ORANGE]	RS485 BUS A1
	[ORANGE - WHITE]	RS485 BUS B1
TWISTED PAIR [BLUE] & [BLUE - WHITE]		
SIGNAL GROUND	[BLUE]	SIGNAL GROUND BUS
	[BLUE - WHITE]	SIGNAL GROUND BUS
TWISTED PAIR [GREEN] & [GREEN - WHITE]		
RESTRICTED POWER DC24V	[GREEN]	DC24V [+]
	[GREEN - WHITE]	DC24V [-]
TWISTED PAIR [BROWN] & [BROWN - WHITE]		
BUS [SECONDARY]	[BROWN]	RS485 BUS A2
	[BROWN - WHITE]	RS485 BUS B2



PROJECT NAME: HortiMax Go		STATUS: PUBLISHED	
SUBJECT: NETWORK TOPOLOGY		AUTHOR: AKO	
PROJECT NUMBER: PD15.003	SCALE: 1 : 1	UNIT: mm	INITIAL DATE: 01/01/2017
FILE CODE: 20810000	TYPE: DSH	VERSION: 030	REVISION DATE: 08/02/2021
FILE NAME: HortiMax Go controller network topology		COUNTRY: 0044	PAGE: 1 OF 2

Revisions				
Document	Date	Author	Action	Revision
20810000DSH030 0044	08/02/2021	Blokland, M.A.A.	Changed	Communication bus specifications.
170125DRA020 031	17/02/2020	Blokland, M.A.A.	Changed	Communication bus specifications.
			Changed	Corporation logo.
170125DRA001 044	01/05/2017	Blokland, M.A.A.	Finalized	Final version.
170125DRA001 044	01/01/2017	Blokland, M.A.A.	Initial	Initial version.

	PROJECT NAME: HortiMax Go			STATUS: PUBLISHED	
	SUBJECT: NETWORK TOPOLOGY			AUTHOR: MBL	
	PROJECT NUMBER: PD15.003	SCALE: 1 : 1	UNIT: mm	INITIAL DATE: 01/01/2017	REVISION DATE: 08/02/2021
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