

The remote station ER-2014 provides 8 inputs and outputs, including 6 free inputs and outputs. There are 2 piezo-buzzer-outputs for the call messaging of bus-matrix-indicator, For group are operating according 4 outputs for displaying car position and 2 arrows per elevator. In addition, there are 2 Outputs for landing operation and special trip per elevator. You connect 2 specers (8 ohms impedance) for the gong of the floor. You can modulate your gong signal at the options (volume, peach, repetition and trips I which it sounds. (Car Call Up and Down, Landing Call Up and Down, Special trip...)

The remote station have all necessary call-inputs and arrow-outputs (even for selective door-controlling).

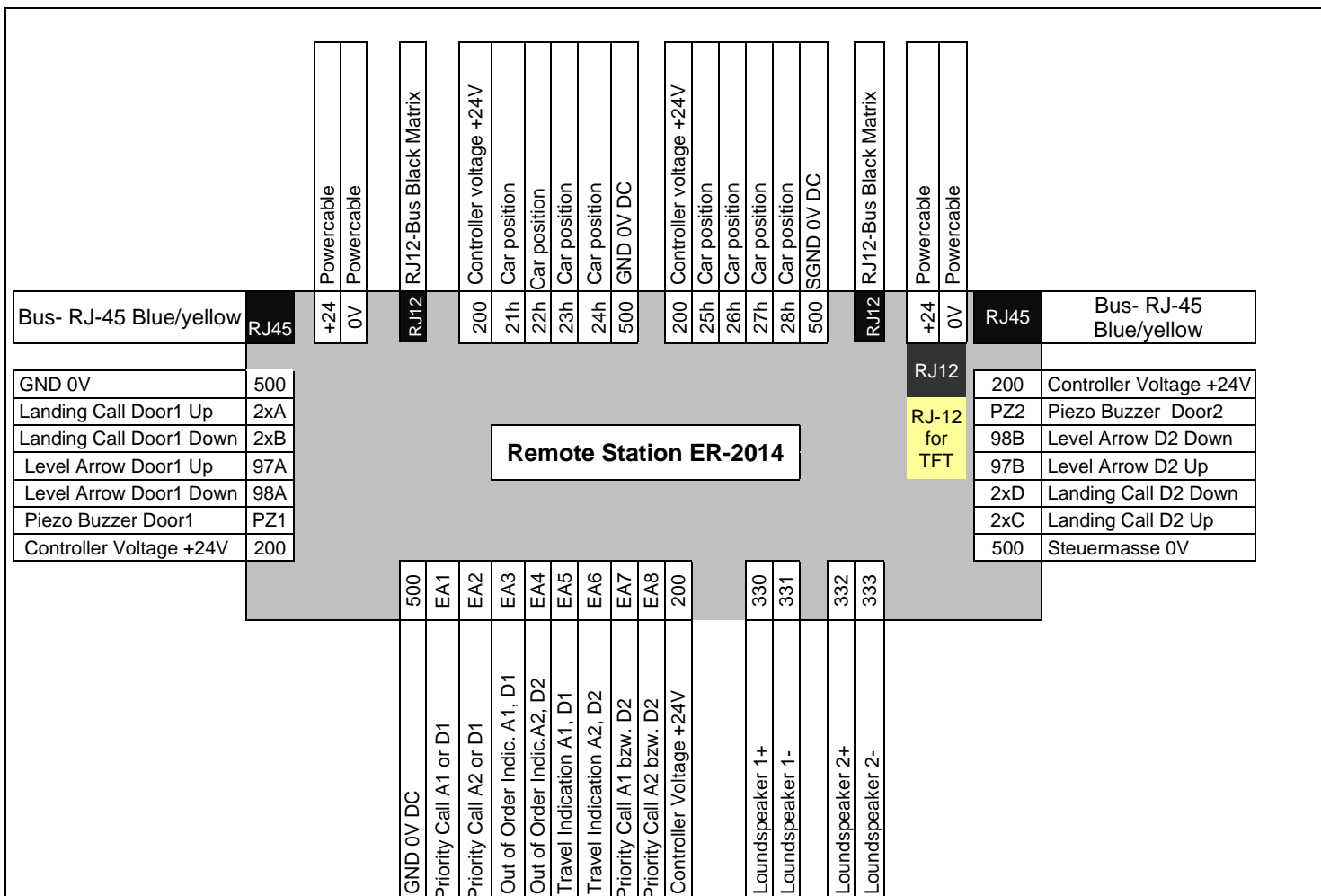
The installation of Remote Station is in the standard shaft cable channel 90x40. You combine the Bus and Power only with blue connection cable RJ-45-Cable.

If there is a optional shaftbus necessary, you can use the shaftbus No.3 in the colour yellow.

The **7-pole Terminal below** with the call-wires 2xA & 2xB is reserved for the **Doorside 1**, the other **Terminal above** with 2xC & 2xD is for the **Doorside 2**.

The connection of the **Matrix-indicator** of type ANZ-XX (ANZ-22, ANZ-32, ANZ.-33, ANZ-52 & ANZ-53) takes place on the **black RJ-12 jack**.

The **yellow marked RJ-12 Terminal** is for highrise TFT Grafikdisplays with KW-bus-operation.



Terminal	Function
2xA	Landing Call Doorside 1 Up
2xB	Landing Call Doorside 1 Down
2xC	Free programmable: e.g. Landing Call Doorside 2 Up in cases of selective Door-control
2xD	Free programmable: e.g. Landing Call Doorside 2 Down in cases of selective Door-control
97A	Free programmable: e.g Level Arrow Doorside 1 Up
98A	Free programmable: e.g Level Arrow Doorside 1 Down
97B	Free programmable: e.g Level Arrow Doorside 2 Up
98B	Free programmable: e.g Level Arrow Doorside 2 Down
500	GND 0V DC
200	Controler voltage +24V DC



FUNCTION-VISUALISATION

When the ER-2014 connected with bus line and the controll is aktive, the green LED is blinking. In short circuit on the busline or malfunction expires or shine the LED. You can controll the Remote Station in Menu C6 Modul Monitor/ Remote Station ER01-16 and Remote Station ER 17-32, .. to 64. For every remote station which function is ok, there will be shown an „E“ in the display of the HPG-60. From left to right, you can see in the display all remote stations from the first floor to the highest floor which are recognized in the system.



ADRESS SETTING

All ER-2014 preset for the individual floors. The bottom floor has always marked "Floor 01". The setting of floors is no longer address switch on the Remote Station, like ER-2005, but by setting software.

- 1. Step:** Controller switch OFF (**Mainswitch Q1, F6 & F7 switch-OFF**).
- 2. Step:** The Remote Station which should be programed is to put with the RJ-45 cable into the central unit. All other Remote Stations may not be connected!
- 3. Step:** There must be set a iron-bridge to the 5-pole terminal between **Pin 2 and Pin 3** (-> like the picture left). Now you can switch ON the system (**Mainswitch Q1, F6 switch ON**).
- 4. Step:** You can regulating the parameter " Remote Station Adress programming" in menu C6 Modul Monitor. The ER-2014 gets his adress with the selection of the number of floors. (01-64). Then the ER-2014 can be installed in the corresponding floor



TERMINAL: MATRIX-INDICATOR TYPE ANZ-xx

The connection of the Matrix-indicator of type ANZ-XX (ANZ-22, ANZ-32, ANZ.-33, ANZ-52 & ANZ-53) takes place on the black RJ-12 jack with the black RJ-12 cable.
Don't do the RJ-12 in the silver RJ-45 jack or the yellow marked RJ-12 jack!



Connecting a TFT-Display at the ER-2014

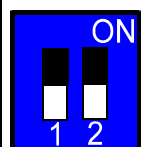
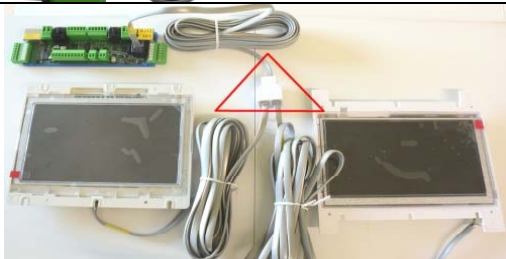
The connection of a TFT-Display will be done at the yellow marked RJ-12 terminal with the standard RJ-12 cable.

Don't do the RJ-12 in the silver RJ-45 jack or the RJ-12 jack of the matrix-indicators!



Connecting several TFT-Displays at the ER-2014

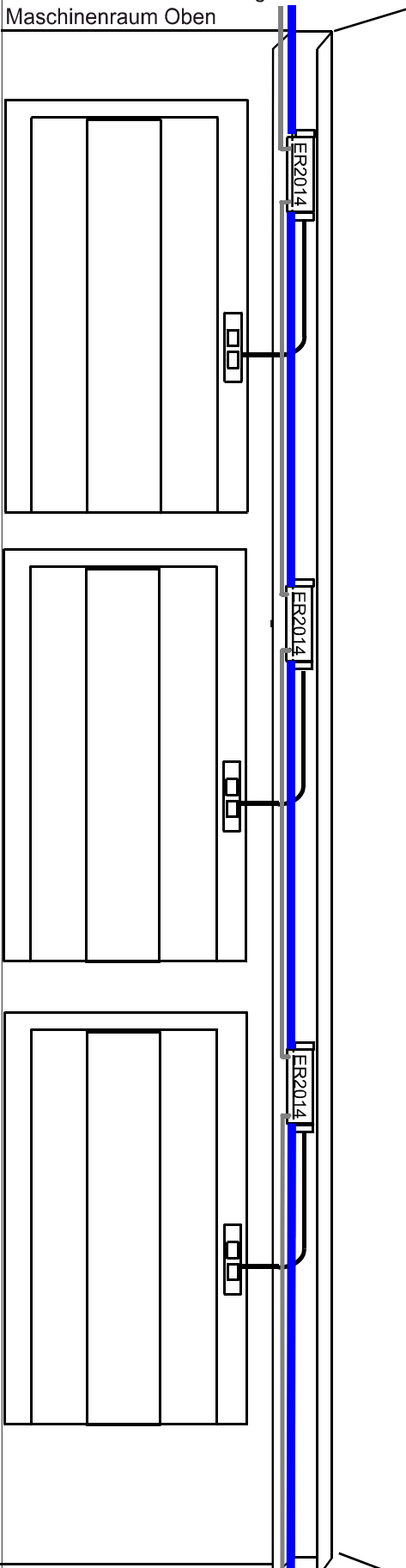
With the help of a RJ-12-changer you can use serval TFT-Displays at the same output-terminal.
 This is necessary if you have lifts with serval door-sides, or a groupe of lifts.



- At the remote station ER-2014 there is a 2-pole DIL-Switch for activation the following functions:
- 1.) At the first switch you can switch ON the termination-resistors. Please switch ON the termination only at the last remote station!
 - 2.) At the second switch you can activate the passive bus. A passive bus can only give out informations like for example arrows and car-position. Therefore the passive bus can work in the same address-room like the shaftbus no.1.

Schachtbus ER2014 mit einer Schachttürseite

RJ-45 Buskabel & Powerltg. zum Maschinenraum Oben



RJ-45 Buskabel & Powerltg. zum Maschinenraum Unten

Assembly in the shaft:

According to standart the floor computer strand si along.integrated into the troughing. Our recommended standard throughing 90 x 40 mm offers sufficiently place.

The lowest stop gets the floor computer with the marking HS01 assigned. The remote station should be positioned approximately at the height of the door fighter.

The tablet cable for the door side 1 with a lenth of 2 metres is attached down to the remote station.

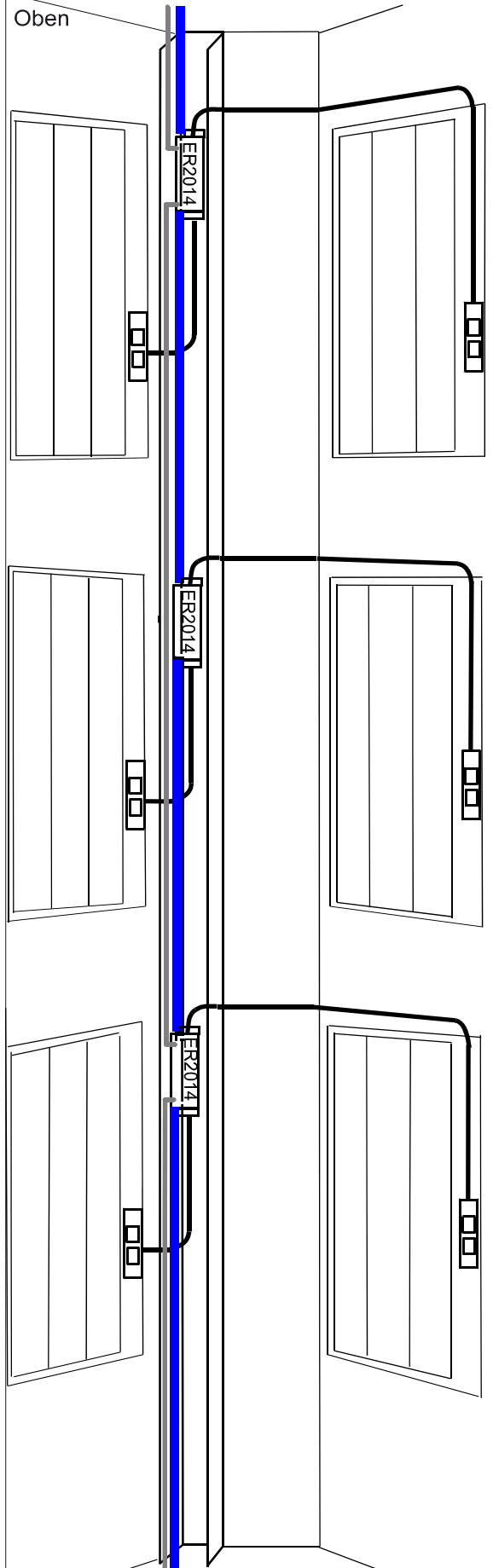
If a floor with front and back door should likewise be present in the floor (door side 29 then the tablet cable of the 2 landing cap panel is put above to the remote station.

Exactly the same as for the first floor for all other floors will proceed.

The inlet cable for the floor computer strand is put in either lowest or at the highest floor computer depending upon situation of the machine-room.

Schachtbus ER2014 mit zwei Schachttürseiten

RJ-45 Buskabel & Powerltg.zum Maschinenraum Oben



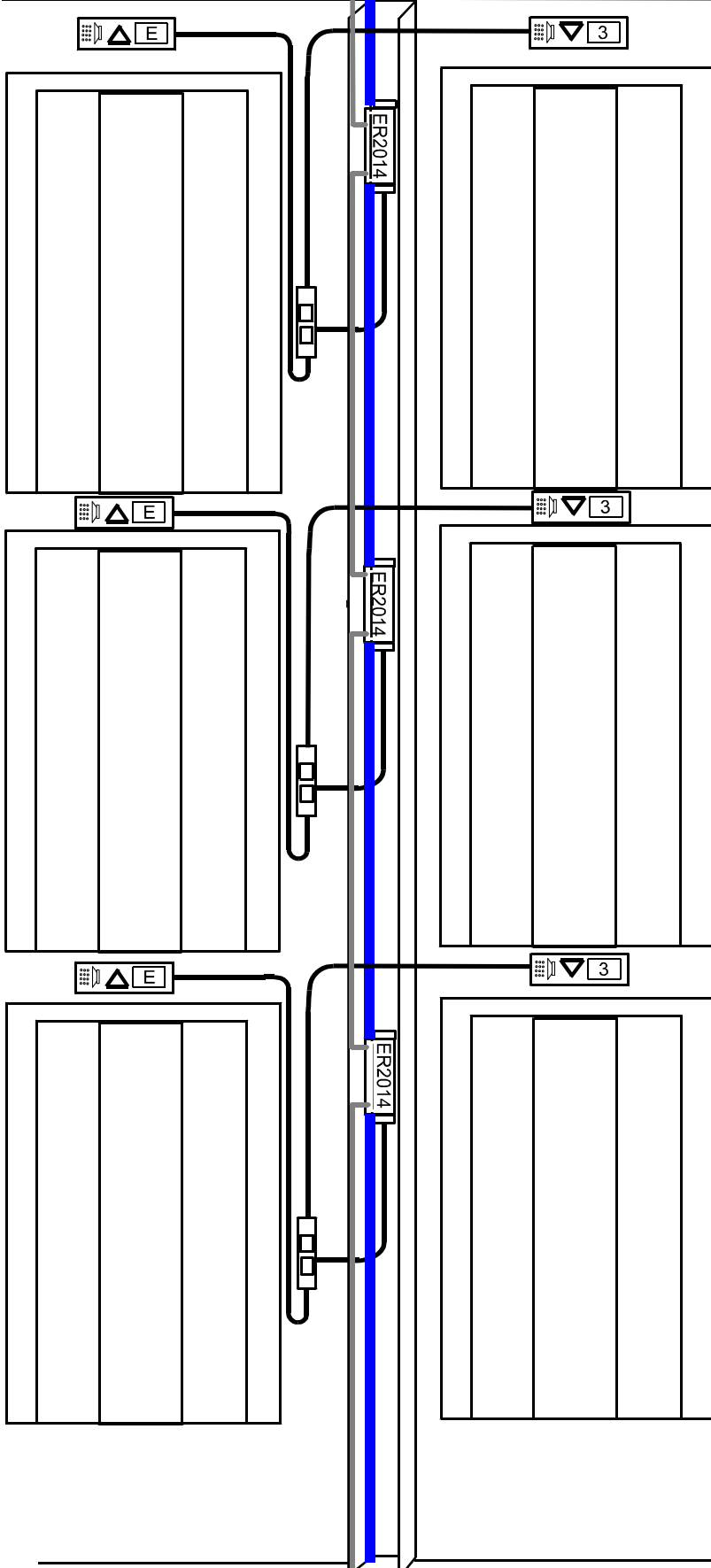
RJ-45 Buskabel & Powerltg.zum Maschinenraum Unten

Gruppen-Schachtbus ER2014 mit einer 2er Gruppe

RJ-45 Buskabel & Powerltg.zum Maschinenraum Oben

Anlage A1

Anlage A2



RJ-45 Buskabel & Powerltg.zum Maschinenraum Unten

Assembly in the shaft:

According to standart the floor computer strand is along-intergrated into the throughing. Our recommended standart throughing 90*40mm offers sufficiently place.

The lowest Stopp gets the remote station with teh marking ST01 assigned. The floor computer should be positioned approximately at height of the door fighter.

The tablet cable 1 with a length of 2 meters is attached down to the remote station.

The following functions are contained:

- 1) 2xA landing call Up
- 2) 2xB landing call Down
- 3) 97A arrow dplay Up A1
- 4) 98A arrow display Down A1

The tablet cable 2 with a length of 2 meters is attached down to the remote station.

The following functions are contained:

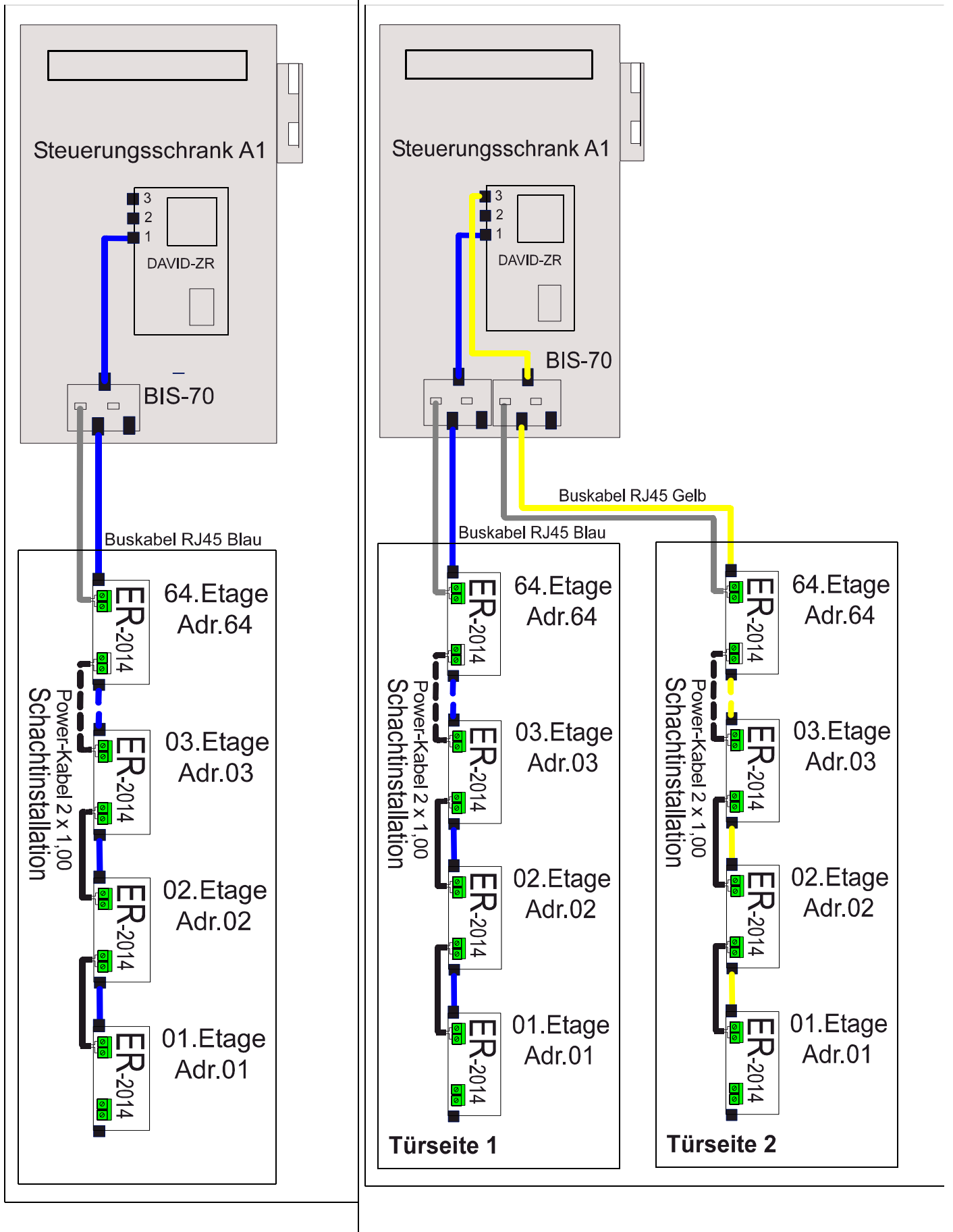
- 5) 2xC free allocable
- 6) 2xD free allocable
- 7) 97B arrow dplay Up A2
- 8) 98B arrow display Down A2

Exactly the same as for the first floor for all other floors will proceed.

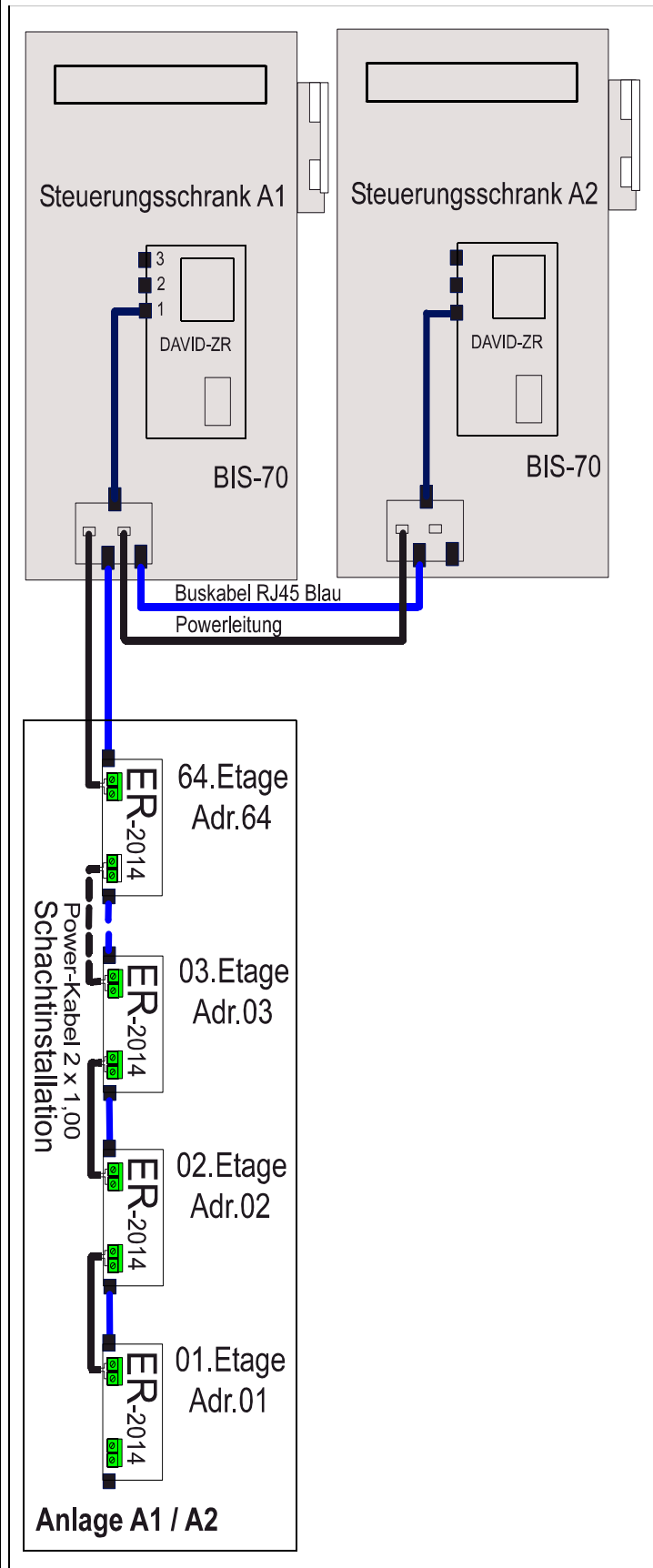
The inlet cable for the remote station strand isput in either lowest or at the highest remote station, depending upon situation of the machine-room.

Shaft bus wiring with remote station ER-2014 in a shaft of a single lift:

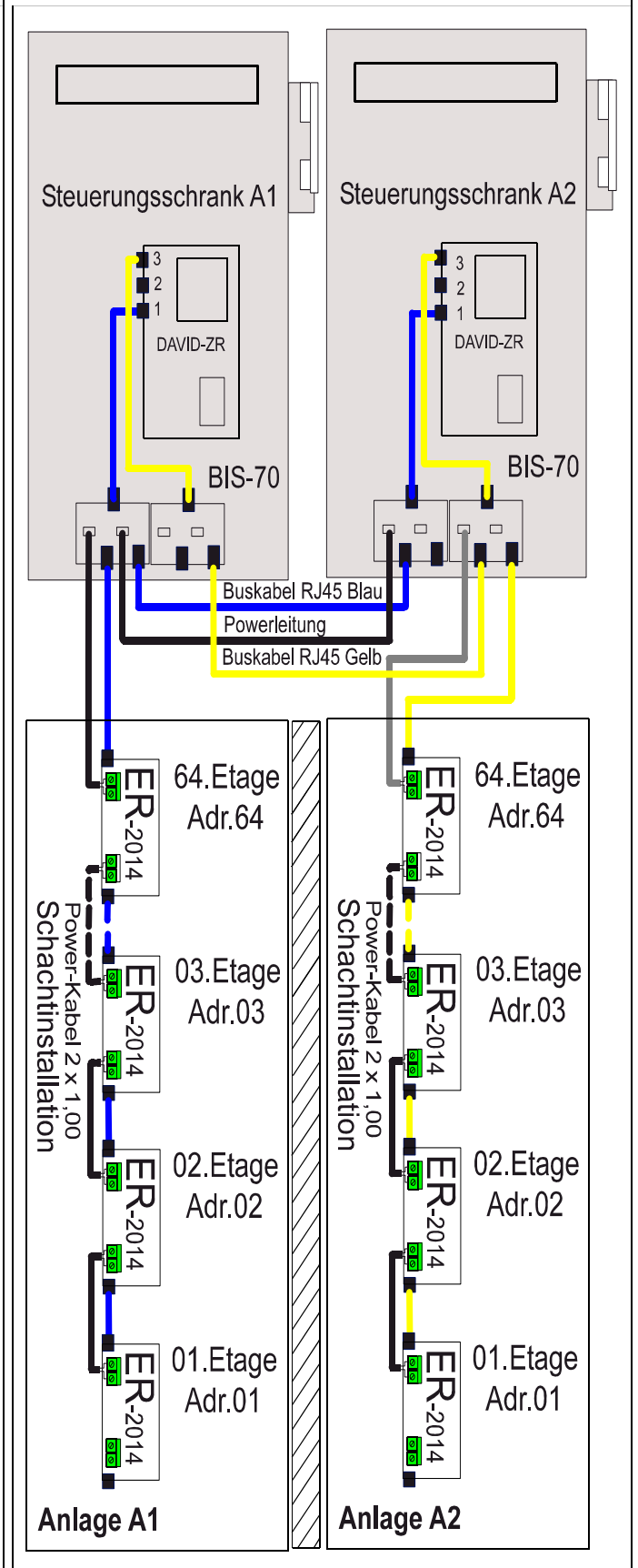
Shaft bus wiring with remote station ER-2014 in a very large shaft with two door-sides of a single lift:



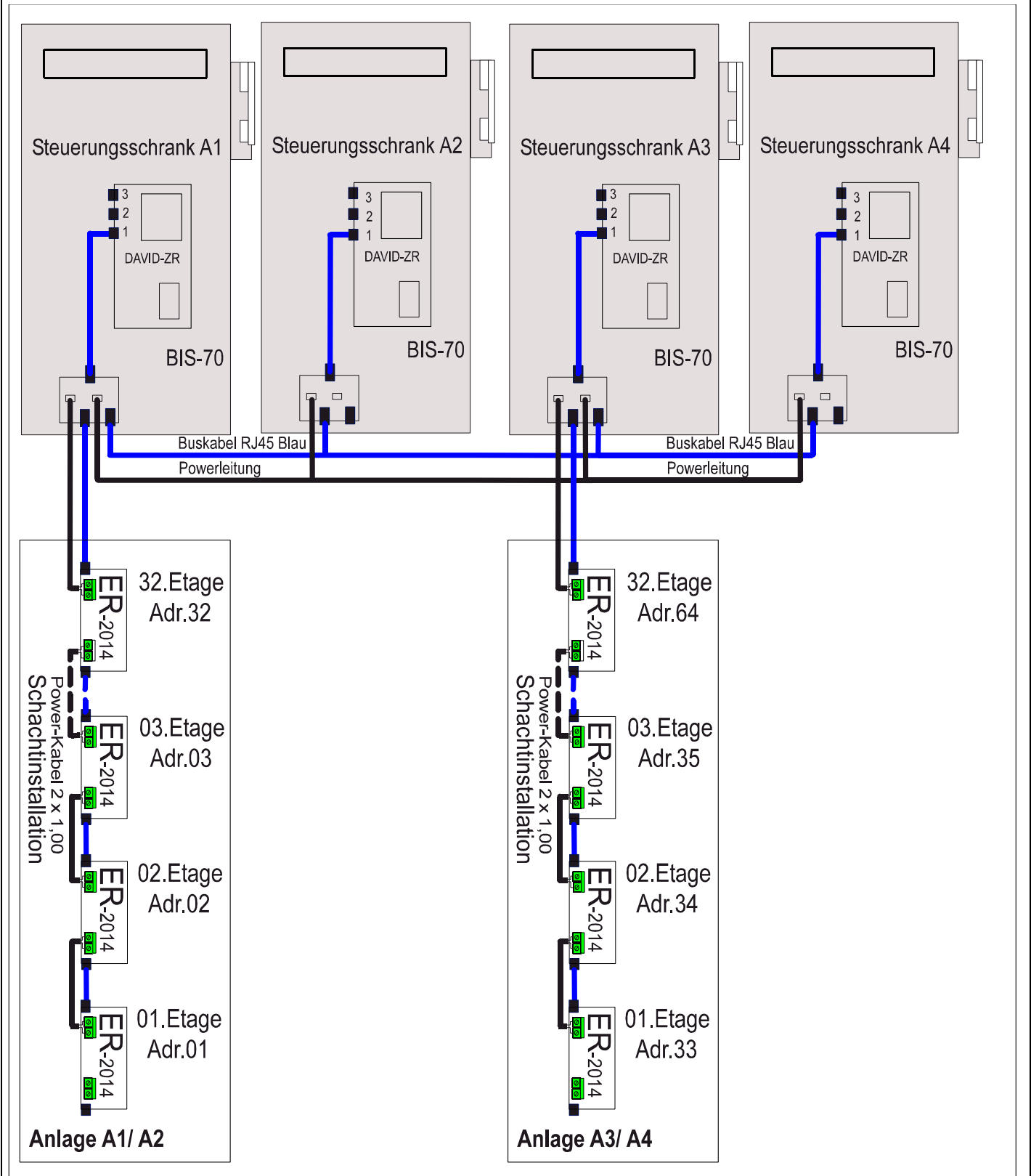
Shaft bus wiring with remote station ER-2014 with a double group with common shaft:



Shaft bus wiring with remote station ER-2014 with a double group with separate shafts:



Shaft bus wiring with remote station ER-2014 with a 3- or 4-member group with common shafts to 32 floors:



Shaft bus wiring with remote station ER-2014 with a 3- or 4-member group with separate / very large shafts to 32 floors:

