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WIRING DIAGRAMS (OPTION)

NOTES

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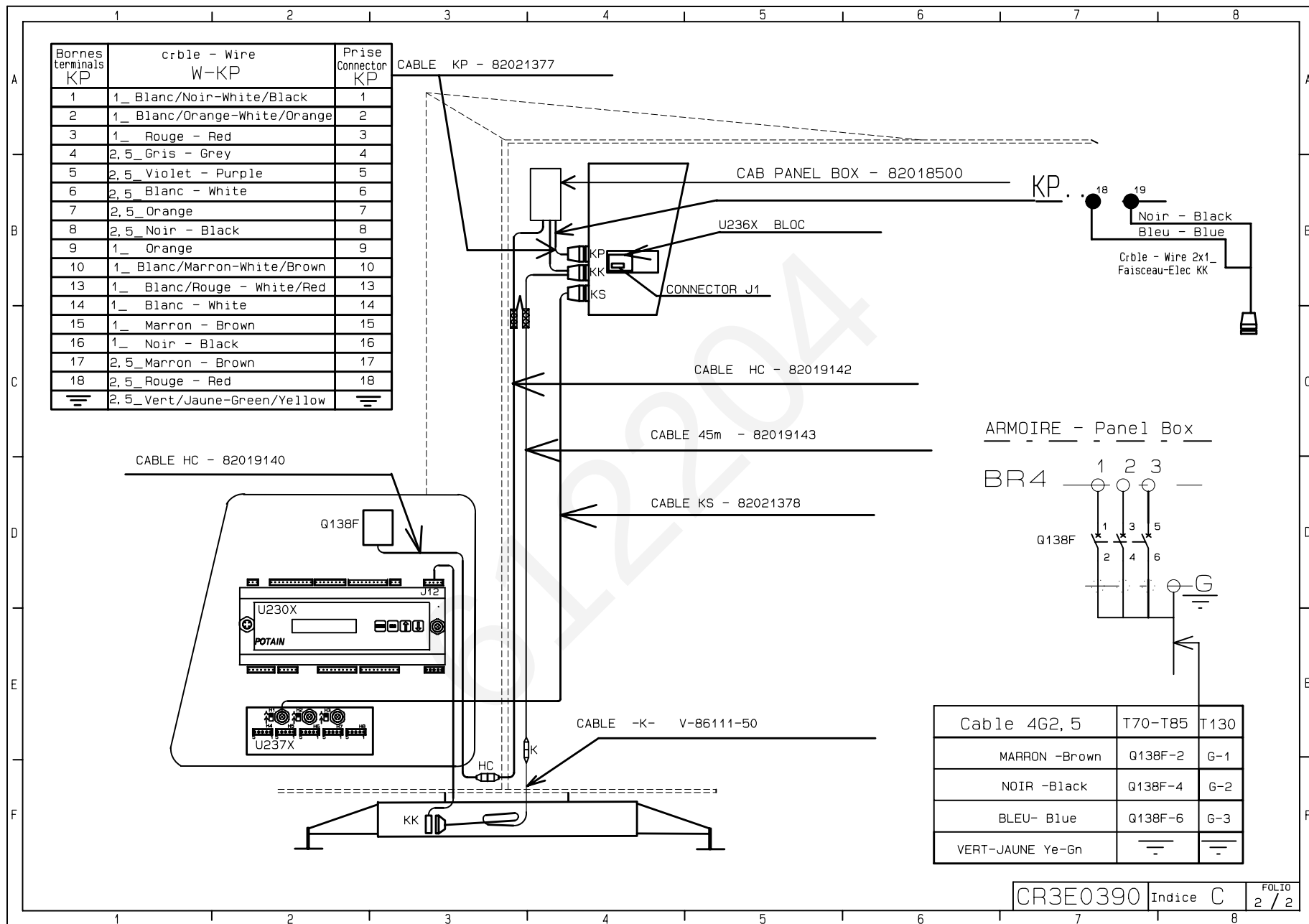
CAB ULTRA VIEW

Skeleton diagram cab

Q138F : Cab mains supply circuit breaker
U230X : Electronic control block of radio control

U236X : Cab interface block

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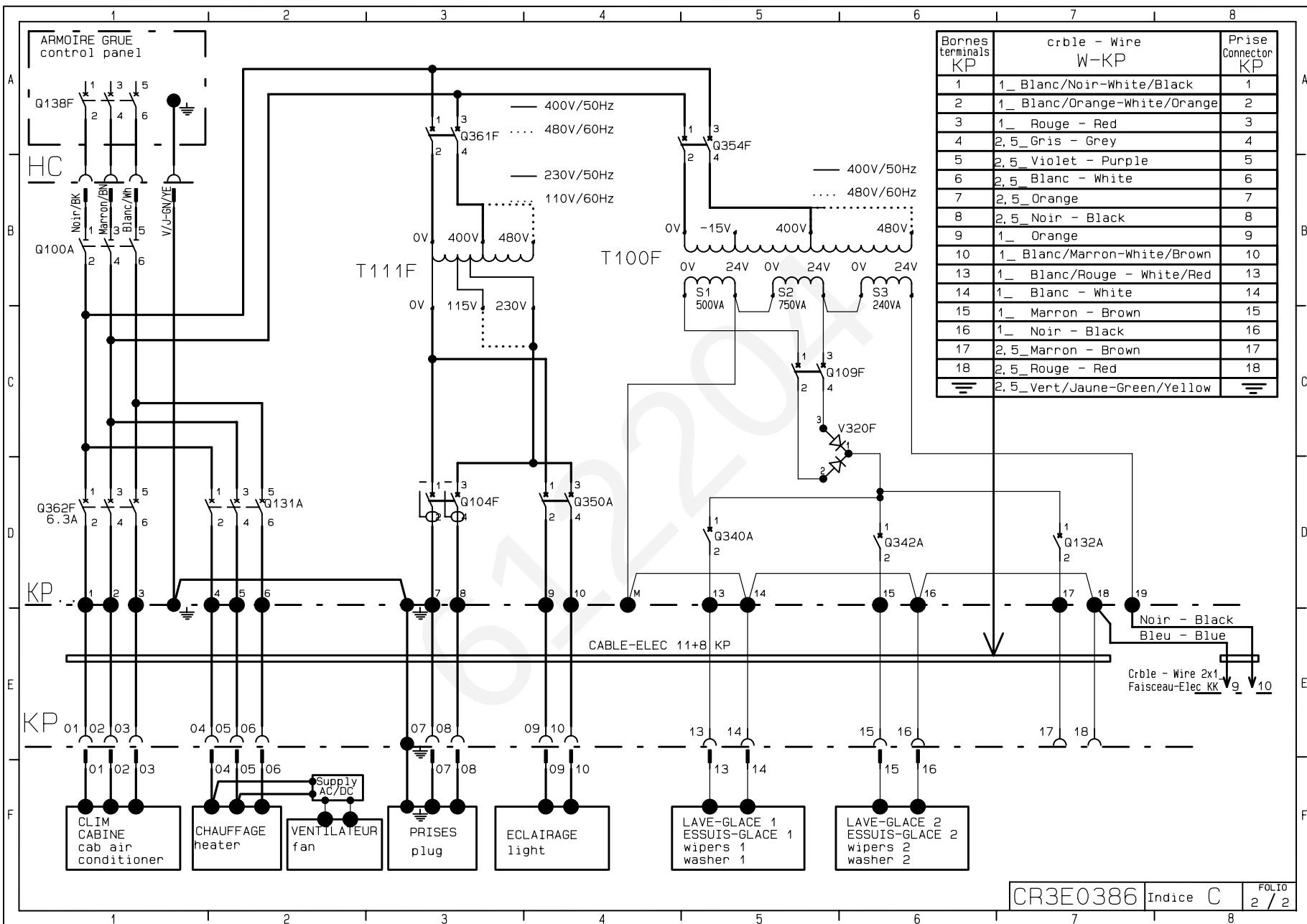




Skeleton diagram equipped cab control panel

Q100A	:	Auxiliary mains supply switch	Q350A	:	Circuit breaker of the cab lighting
Q104F	:	Differential circuit breaker 30 mA connection 220 V	Q354F	:	Protective switch of transformer primary
Q109F	:	24 V supply circuit breaker	Q361F	:	Circuit breaker of transformer secondary supply
Q131A	:	Circuit breaker of cab heating	Q362F	:	Circuit breaker conditioning unit
Q132A	:	Transformer circuit breaker	T100F	:	Main transformer of low voltage supply
Q138F	:	Cab mains supply circuit breaker	T111F	:	Autotransformer
Q340A	:	Circuit breaker of the main windscreen wiper	V320F	:	Gleichrichter
Q342A	:	Circuit breaker of the auxiliary windscreen wiper			

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Skeleton diagram cab control unit

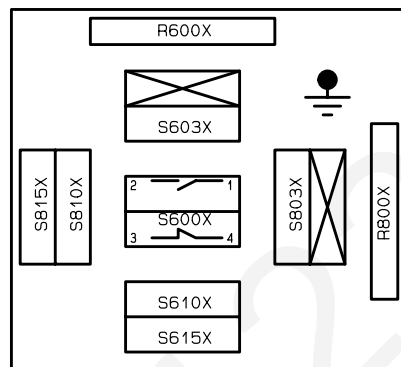
R400X	:	Hoist winch control potentiometer	S520X	:	Travelling control contact notch 2
R600X	:	Slewing control potentiometer	S600X	:	Electric locking contact at zero
R800X	:	Trolley winch control potentiometer	S603X	:	Slewing mechanism control contact
S400X	:	Electric locking contact at zero	S610X	:	"Slewing to right" control contact
S410X	:	"Hoisting" control contact	S615X	:	"Slewing to left" control contact
S415X	:	"Lowering" control contact	S803X	:	Trolley winch control contact
S510X	:	Travelling forward control contact	S810X	:	Trolley out control contact
S515X	:	Travelling backward control contact	S815X	:	Trolley in control contact

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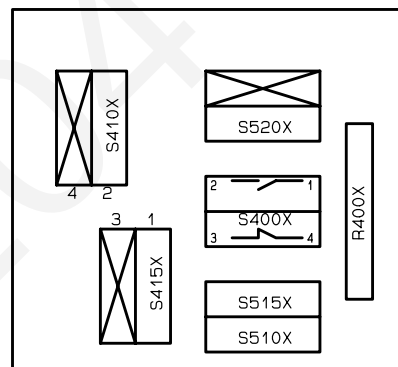


DETAIL COMBINEUR VUE DE DESSOUS

Gauche



Droit

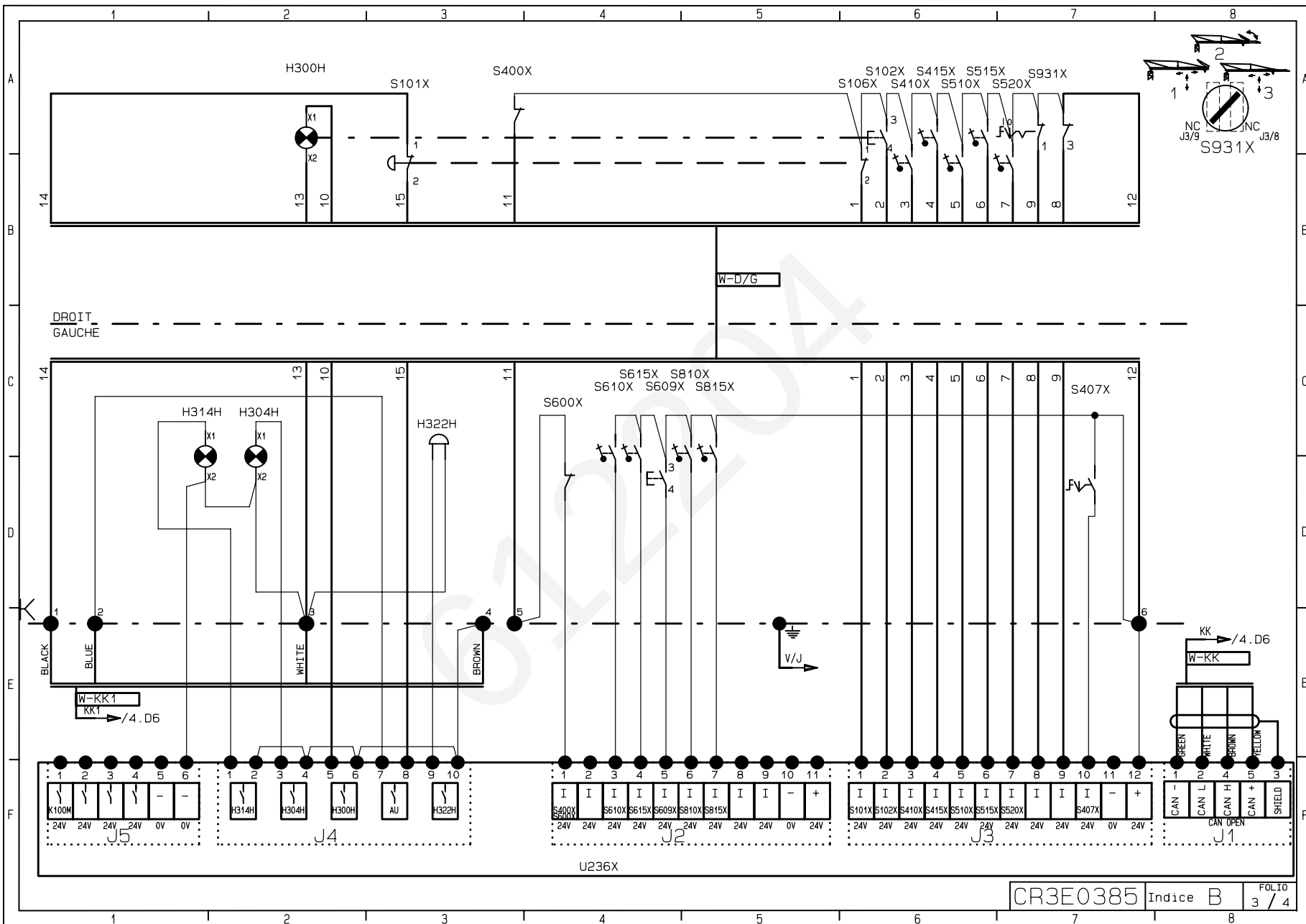




S510X : Travelling forward control contact
S515X : Travelling backward control contact
S520X : Travelling control contact notch 2
S600X : Electric locking contact at zero
S609X : Slewing brake control contact
S610X : "Slewing to right" control contact
S615X : "Slewing to left" control contact
S810X : Trolley out control contact
S815X : Trolley in control contact
S931X : Jib folded/unfolded switch contact
U236X : Cab interface block

H300H : Signal lamp ON
H304H : Signal lamp 90%
H314H : Signal lamp 100%
H322H : Buzzer
S101X : Emergency stop button contact
S102X : Resetting control contact
S106X : Emergency stop button contact
S400X : Electric locking contact at zero
S407X : Rope reeving control contact
S410X : "Hoisting" control contact
S415X : "Lowering" control contact

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WIRING DIAGRAMS

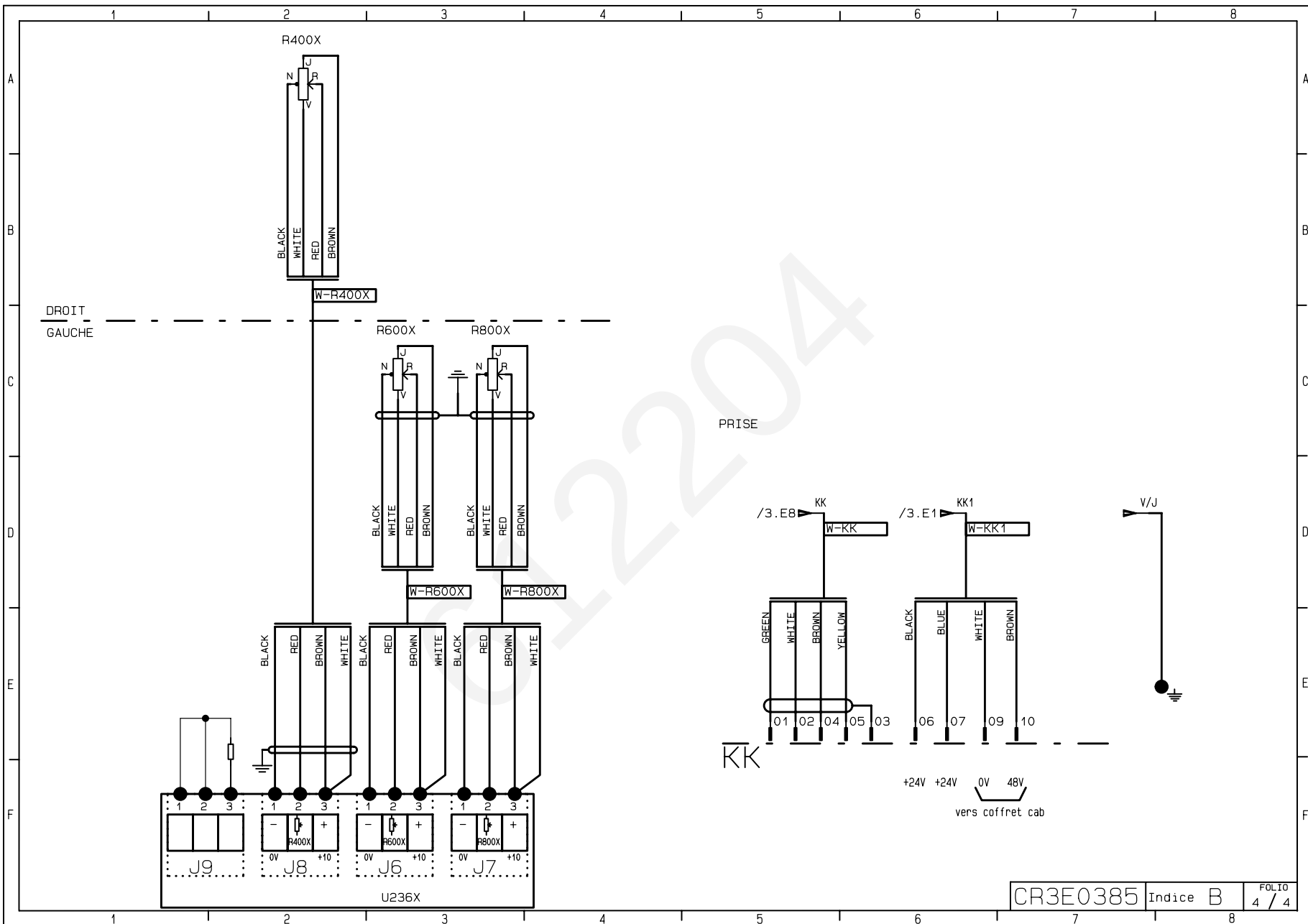
R800X : Trolley winch control potentiometer

U236X : Cab interface block

R400X : Hoist winch control potentiometer

R600X : Slewing control potentiometer

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CAB V140CN

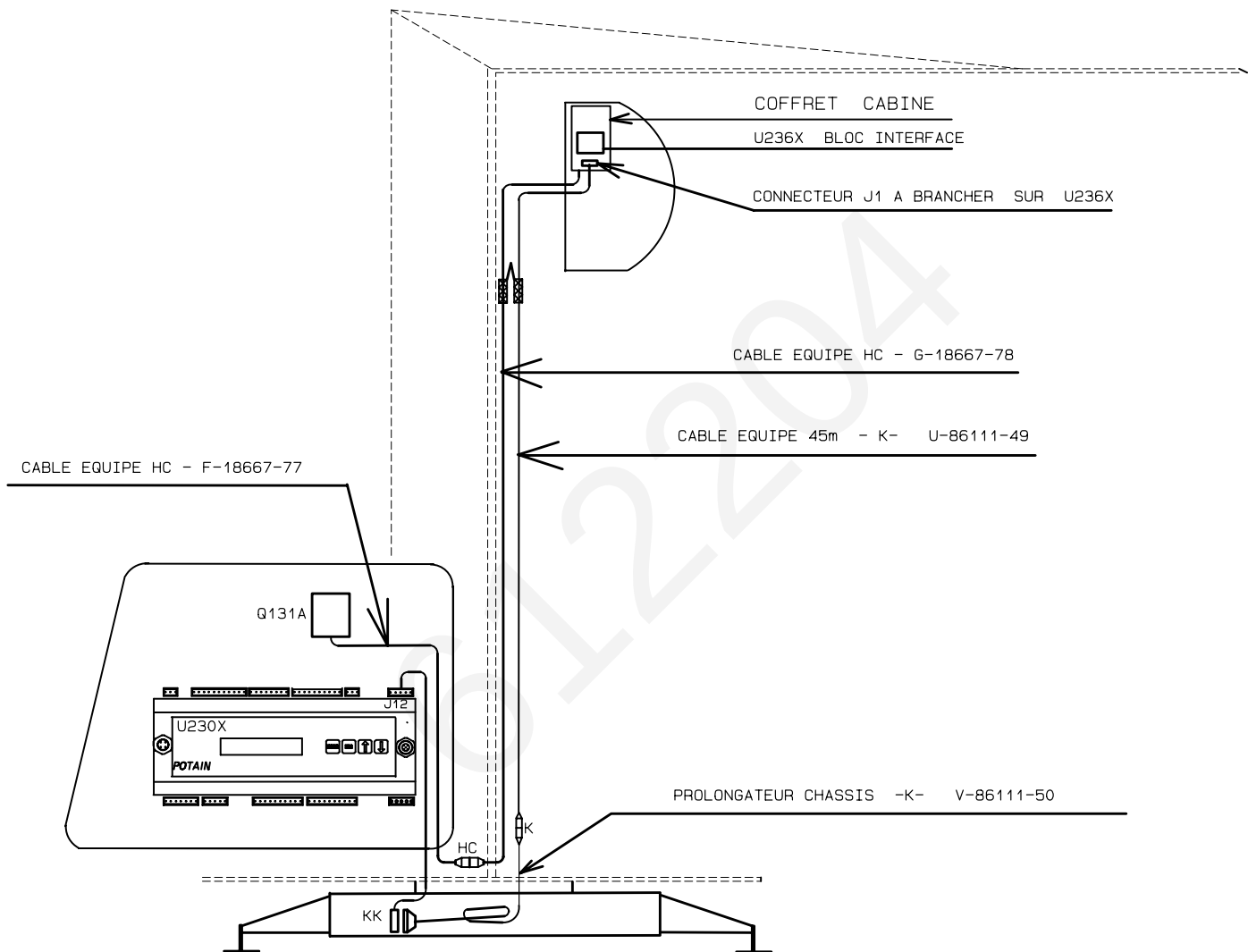
Skeleton diagram V140CN cab

Q131A : Ciriut breaker of cab heating

U236X : Cab interface block

U230X : Electronic control block of radio control

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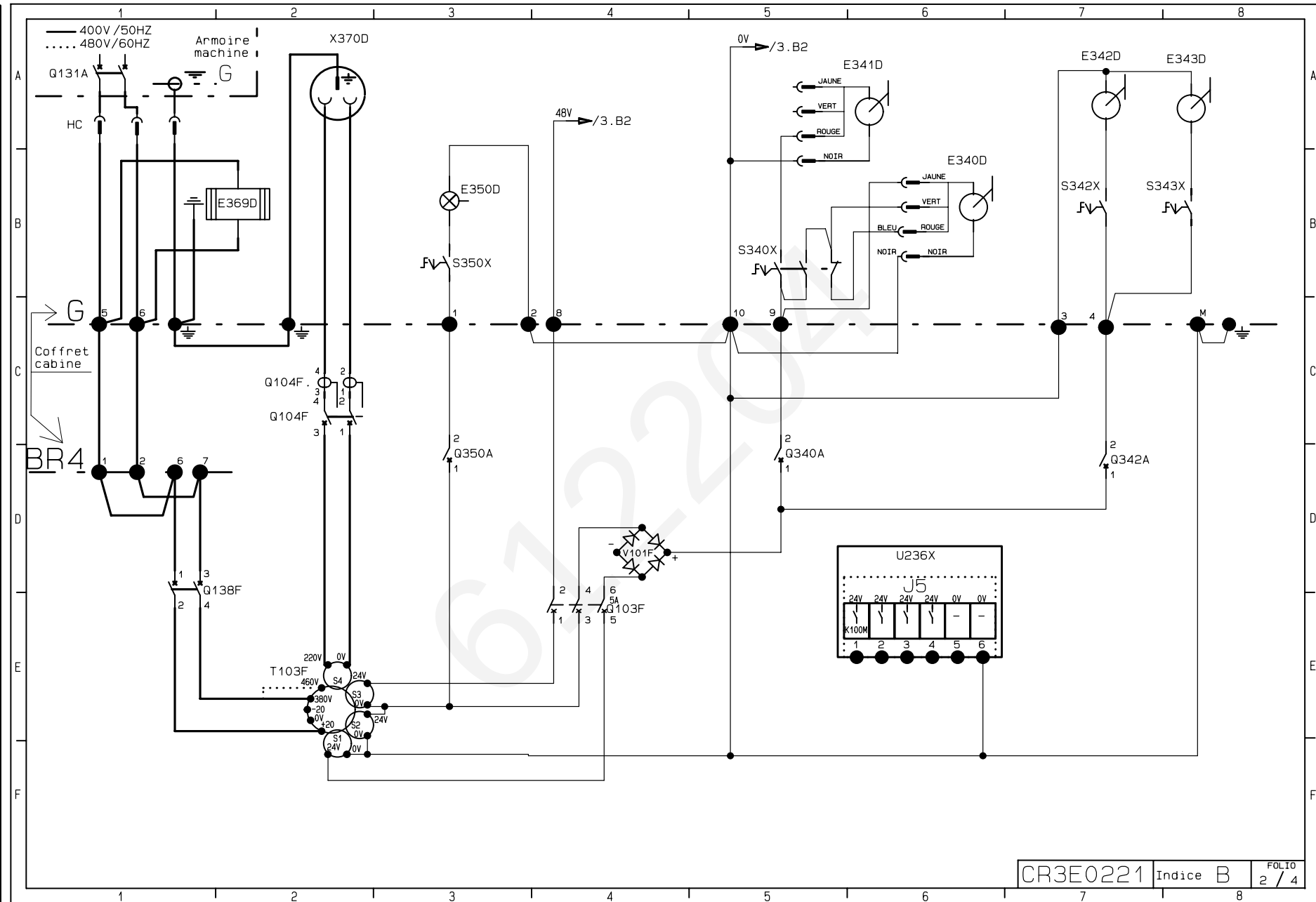




Skeleton diagram equipped cab control panel

E340D	:	Main windscreen wiper 1	Q342A	:	Circuit breaker of the auxiliary windscreen wiper
E341D	:	Main windscreen wiper 2	Q350A	:	Circuit breaker of the cab lighting
E342D	:	Auxiliary windscreen wiper 1	S340X	:	Main windscreen wiper switch contact
E343D	:	Auxiliary windscreen wiper 2	S342X	:	Auxiliary windscreen wiper switch contact 1
E350D	:	Main lighting	S343X	:	Auxiliary windscreen wiper switch contact 2
E369D	:	Cab heating	S350X	:	Main lighting switch contact
K100M	:	Main contactor of current supply	T103F	:	Autotransformer 400/230 V
Q103F	:	Secondary protective switch of transformer 2	U236X	:	Cab interface block
Q104F	:	Differential circuit breaker 30 mA connection 220 V	V101F	:	Rectifier
Q138F	:	Cab mains supply circuit breaker	X370D	:	Connection 220V
Q340A	:	Circuit breaker of the main windscreen wiper			

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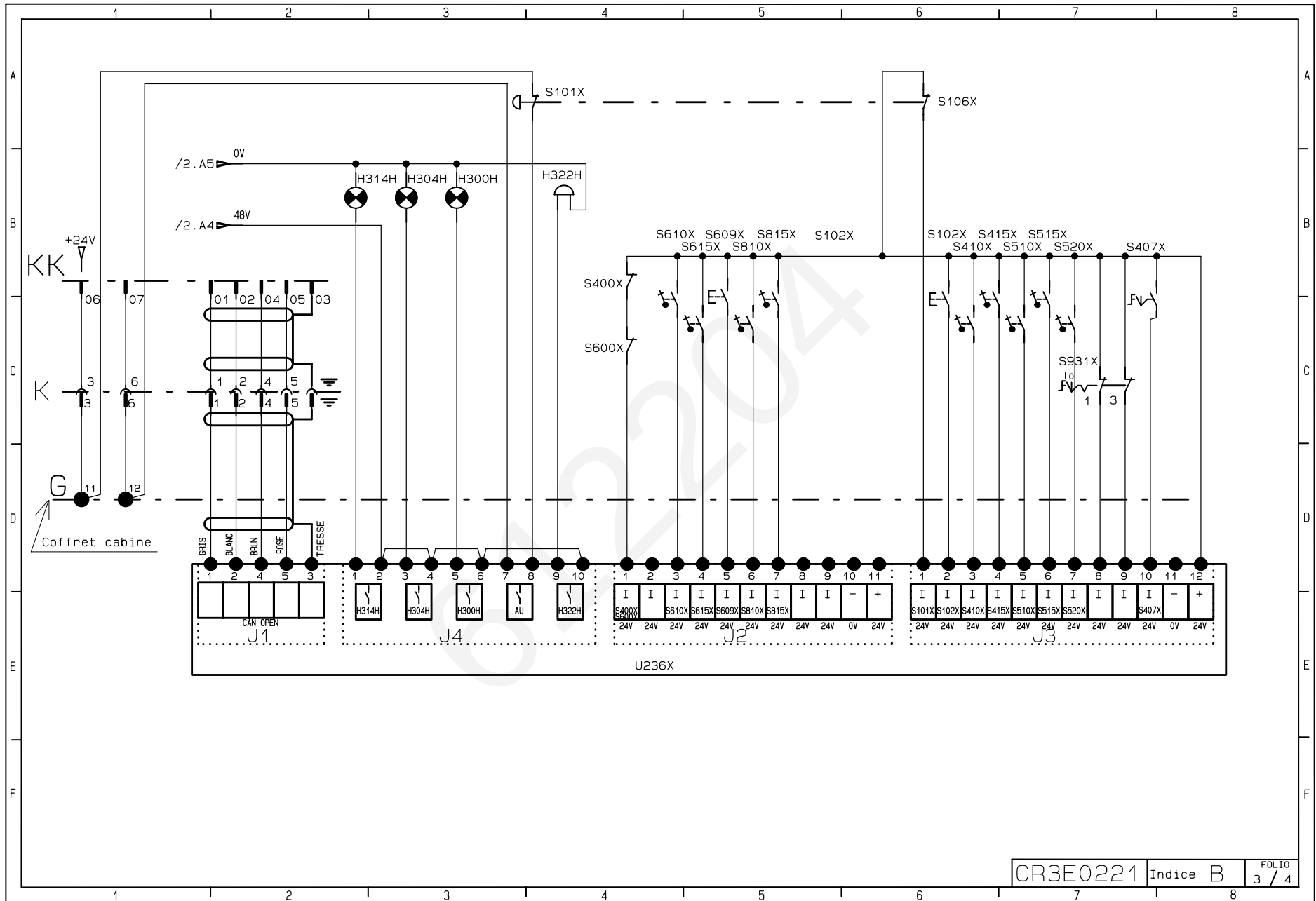
CR3E0221 Indice B FOLIO 2 / 4



S510X : Travelling forward control contact
S515X : Travelling backward control contact
S520X : Travelling control contact notch 2
S600X : Electric locking contact at zero
S609X : Slewing brake control contact
S610X : "Slewing to right" control contact
S615X : "Slewing to left" control contact
S810X : Trolley out control contact
S815X : Trolley in control contact
S931X : Jib folded/unfolded switch contact
U236X : Cab interface block

H300H : Signal lamp ON
H304H : Signal lamp 90%
H314H : Signal lamp 100%
H322H : Buzzer
S101X : Emergency stop button contact
S102X : Resetting control contact
S106X : Emergency stop button contact
S400X : Electric locking contact at zero
S407X : Rope reeving control contact
S410X : "Hoisting" control contact
S415X : "Lowering" control contact

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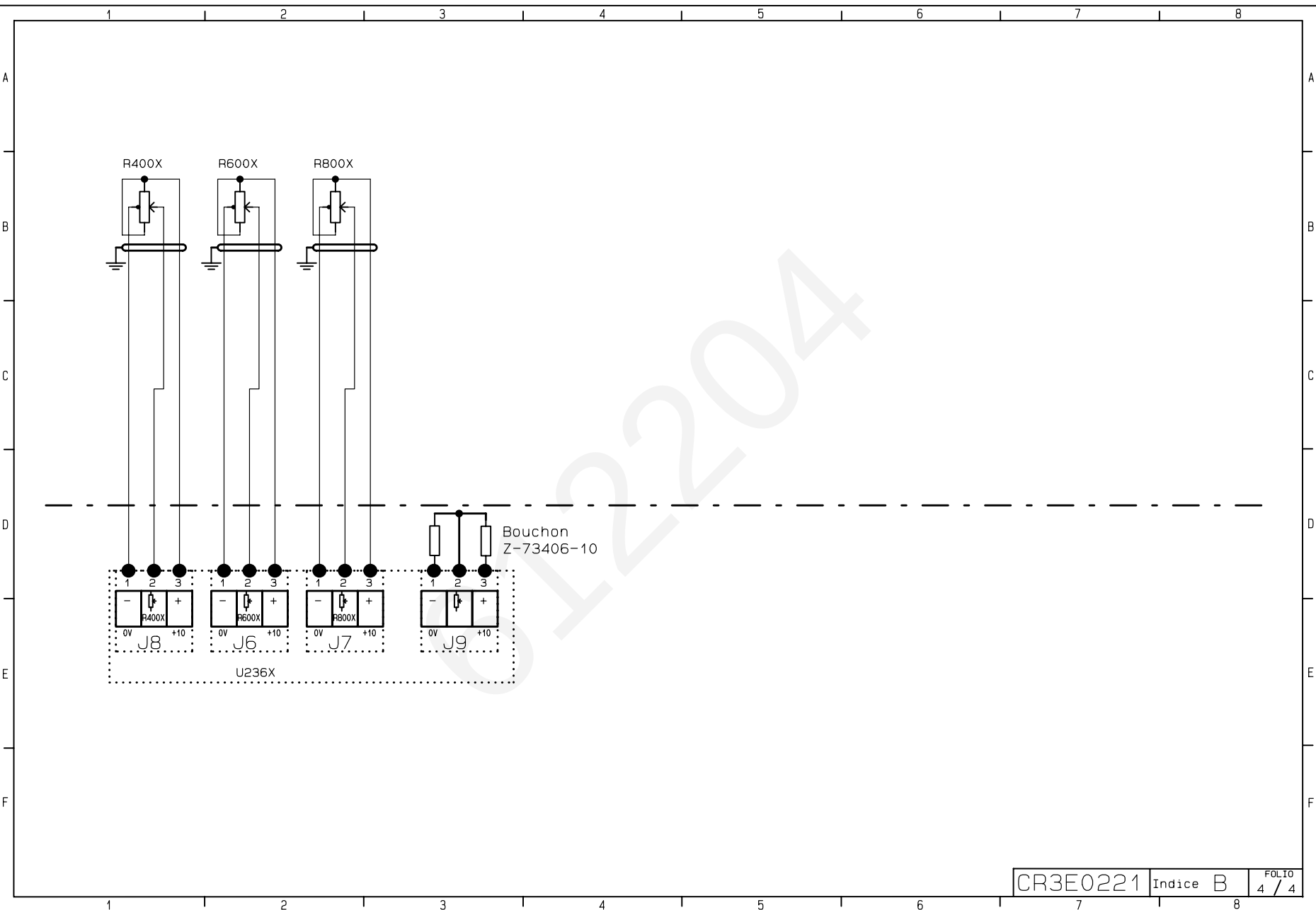
R800X : Trolley winch control potentiometer

U236X : Cab interface block

R400X : Hoist winch control potentiometer

R600X : Slewing control potentiometer

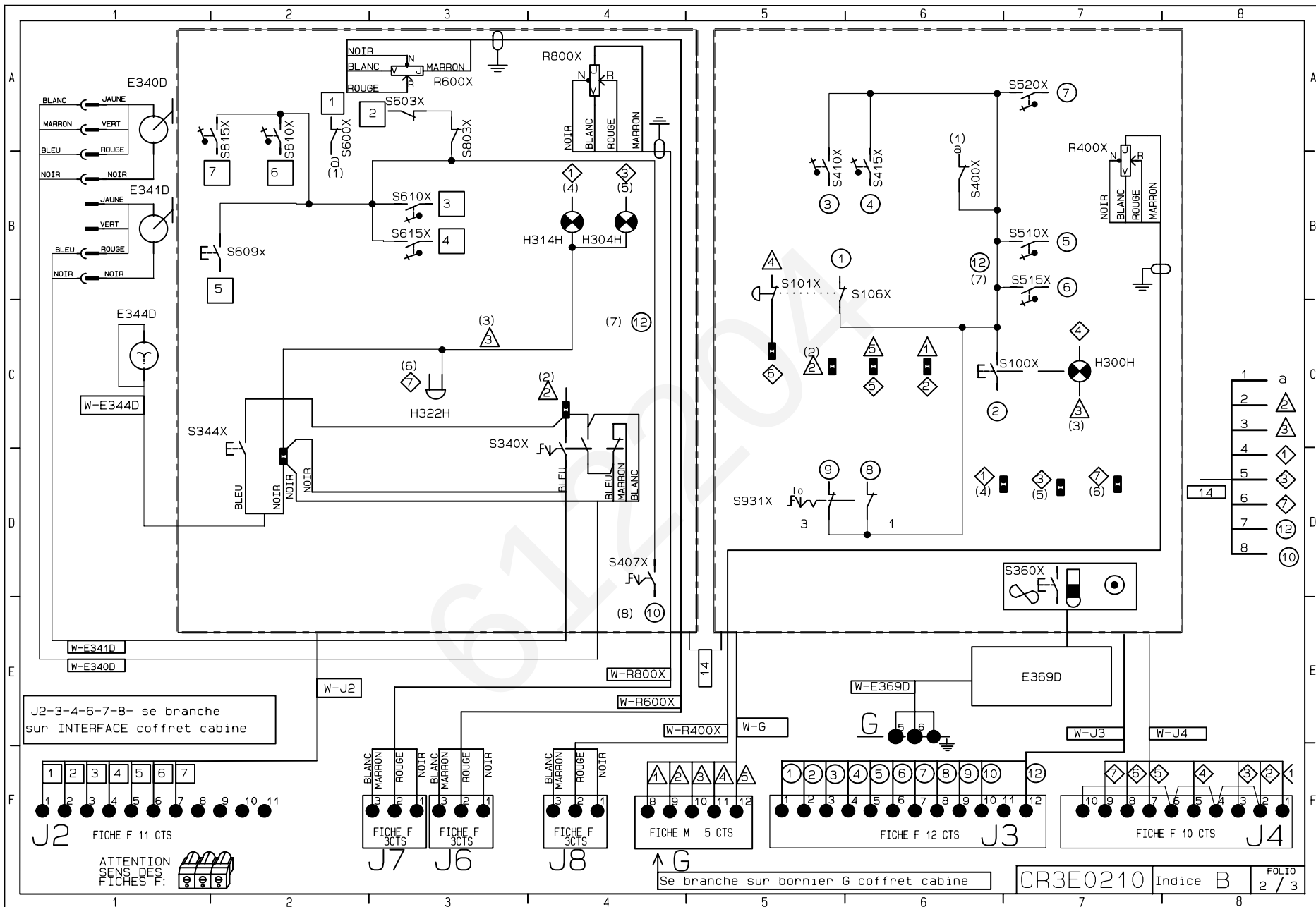
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Skeleton diagram cab control unit

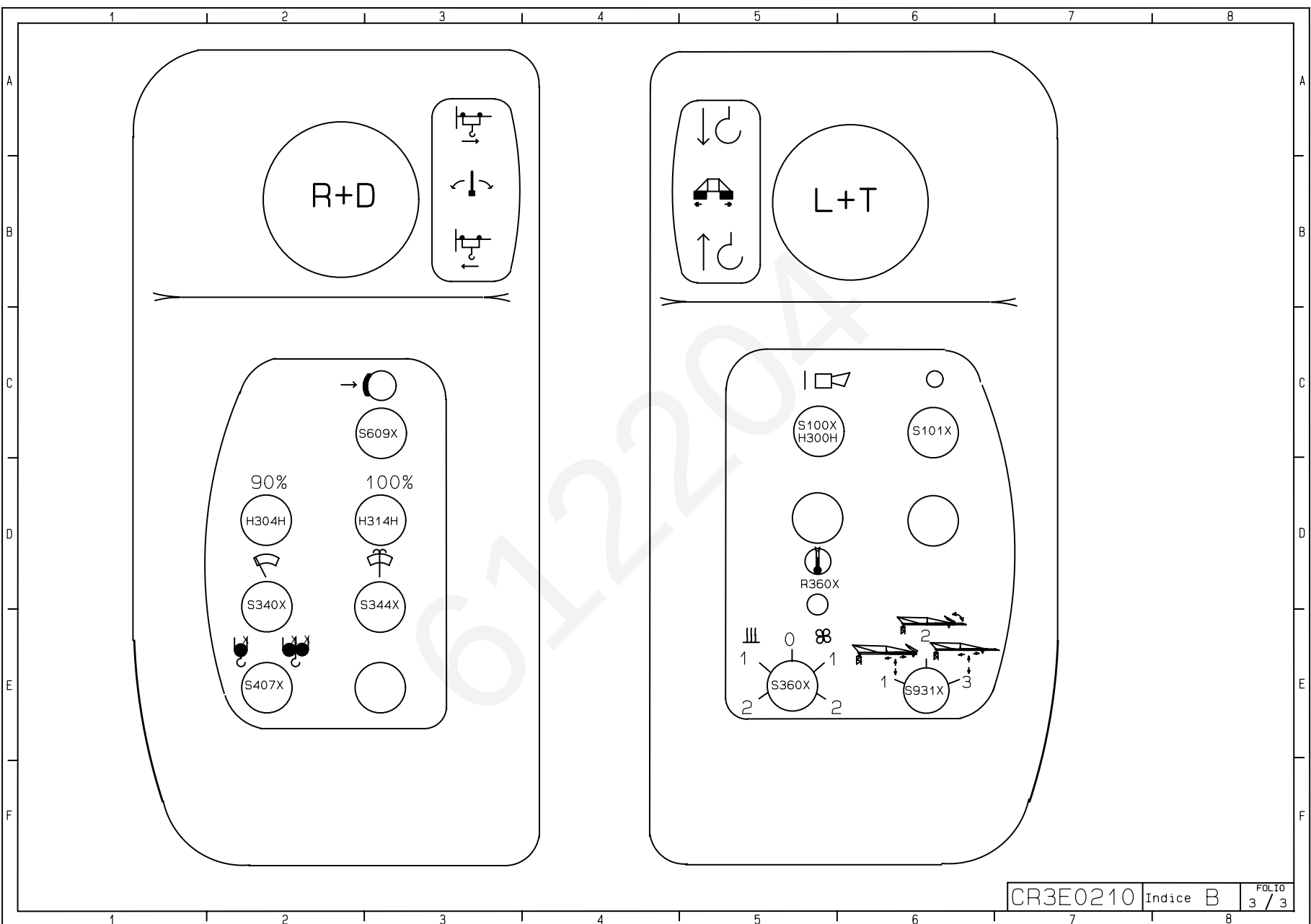
E340D	:	Main windscreen wiper 1	S415X	:	"Lowering" control contact
E341D	:	Main windscreen wiper 2	S510X	:	Travelling forward control contact
E344D	:	Windscreen washer	S515X	:	Travelling backward control contact
E369D	:	Cab heating	S520X	:	Travelling control contact notch 2
H300H	:	Signal lamp ON	S600X	:	Electric locking contact at zero
H304H	:	Signal lamp 90%	S603X	:	Slewing mechanism control contact
H314H	:	Signal lamp 100%	S609X	:	Slewing brake control contact
H322H	:	Buzzer	S610X	:	"Slewing to right" control contact
S100X	:	"ON" control contact	S615X	:	"Slewing to left" control contact
S101X	:	Emergency stop button contact	S803X	:	Trolley winch control contact
S106X	:	Emergency stop button contact	S810X	:	Trolley out control contact
S340X	:	Main windscreen wiper switch contact	S815X	:	Trolley in control contact
S344X	:	Windscreen washer control contact	S931X	:	Jib folded/unfolded switch contact
S360X	:	Switch contact of cab heating / cab ventilation	R400X	:	Hoist winch control potentiometer
S400X	:	Electric locking contact at zero	R600X	:	Slewing control potentiometer
S407X	:	Rope reeving control contact	R800X	:	Trolley winch control potentiometer
S410X	:	"Hoisting" control contact			





S100X	:	"ON" control contact	S609X	:	Slewing brake control contact
S101X	:	Emergency stop button contact	S931X	:	Jib folded/unfolded switch contact
S340X	:	Main windscreen wiper switch contact	H300H	:	Signal lamp ON
S344X	:	Windscreen washer control contact	H304H	:	Signal lamp 90%
S360X	:	Switch contact of cab heating / cab ventilation	H314H	:	Signal lamp 100%
S407X	:	Rope reeving control contact	R360X	:	Control potentiometer of the cab heating

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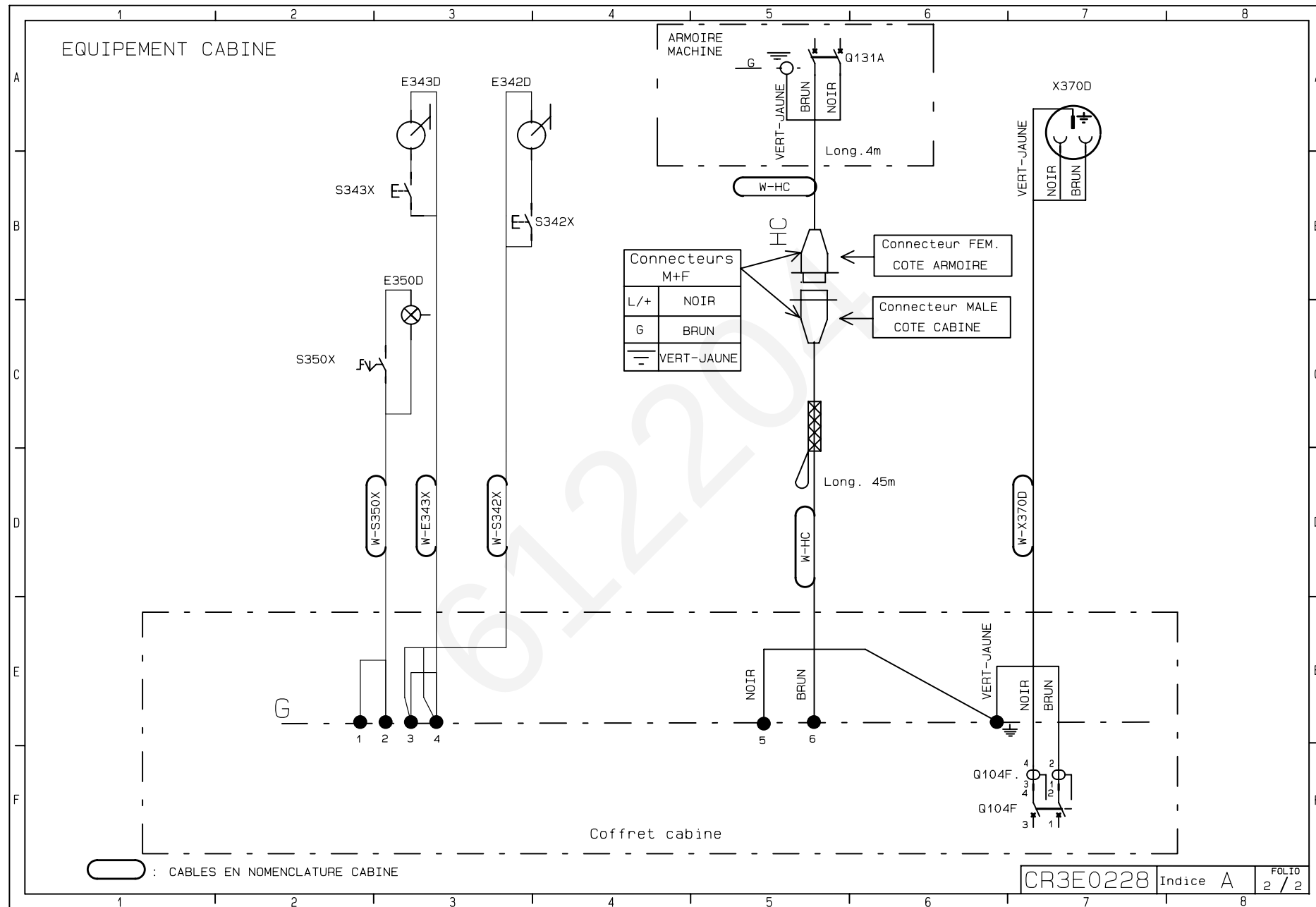
CR3E0210 Indice B FOLIO 3 / 3



S343X : Auxiliary windscreen wiper switch contact 2
S342X : Auxiliary windscreen wiper switch contact 1
X370X : Electronic processing block
Q104F : Differential circuit breaker 30 mA connection 220 V
Q131A : Circiut breaker of cab heating

E343D : Auxiliary windscreen wiper 2
E342D : Auxiliary windscreen wiper 1
E350D : Main lighting
S350X : Main lighting switch contact

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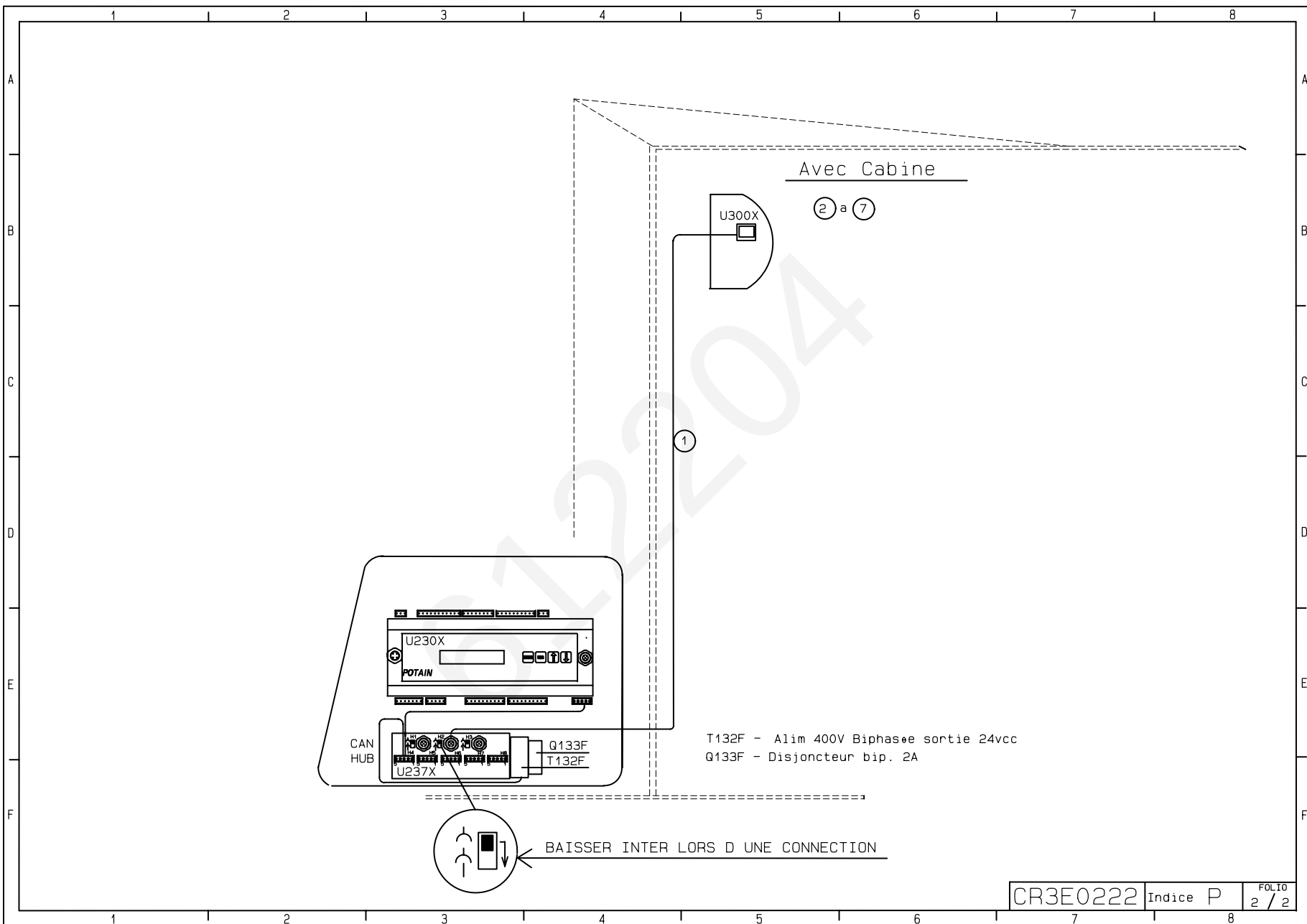


Skeleton diagram cab VISU

Q133F : 24 V current stabilized protective switch
T132F : Current supply 24V
U230X : Electronic control block of radio control

U237X : Hub Can
U300X : Interface block LCD

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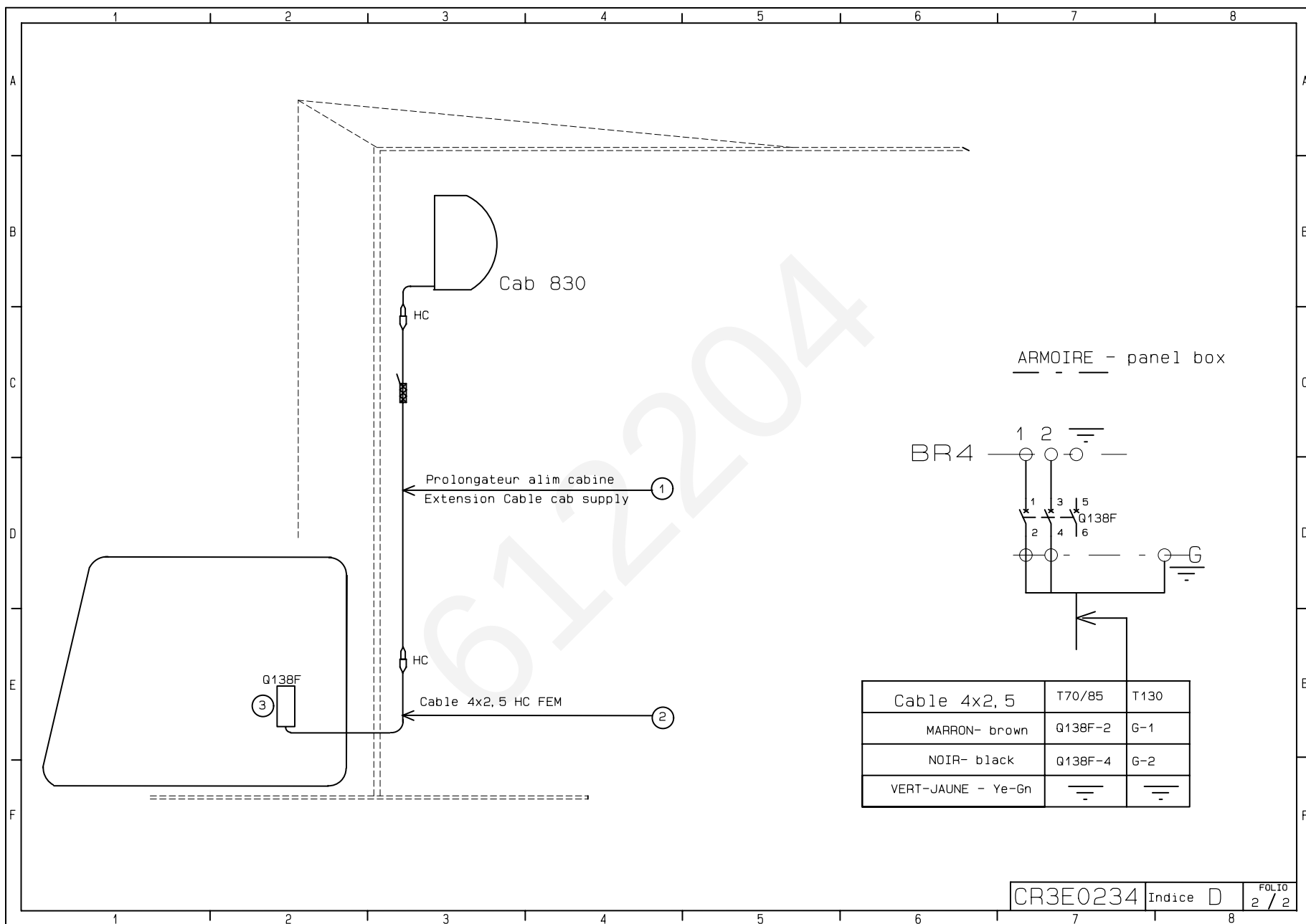


CAB 830

Skeleton diagram 830 cab

Q138F : Cab mains supply circuit breaker

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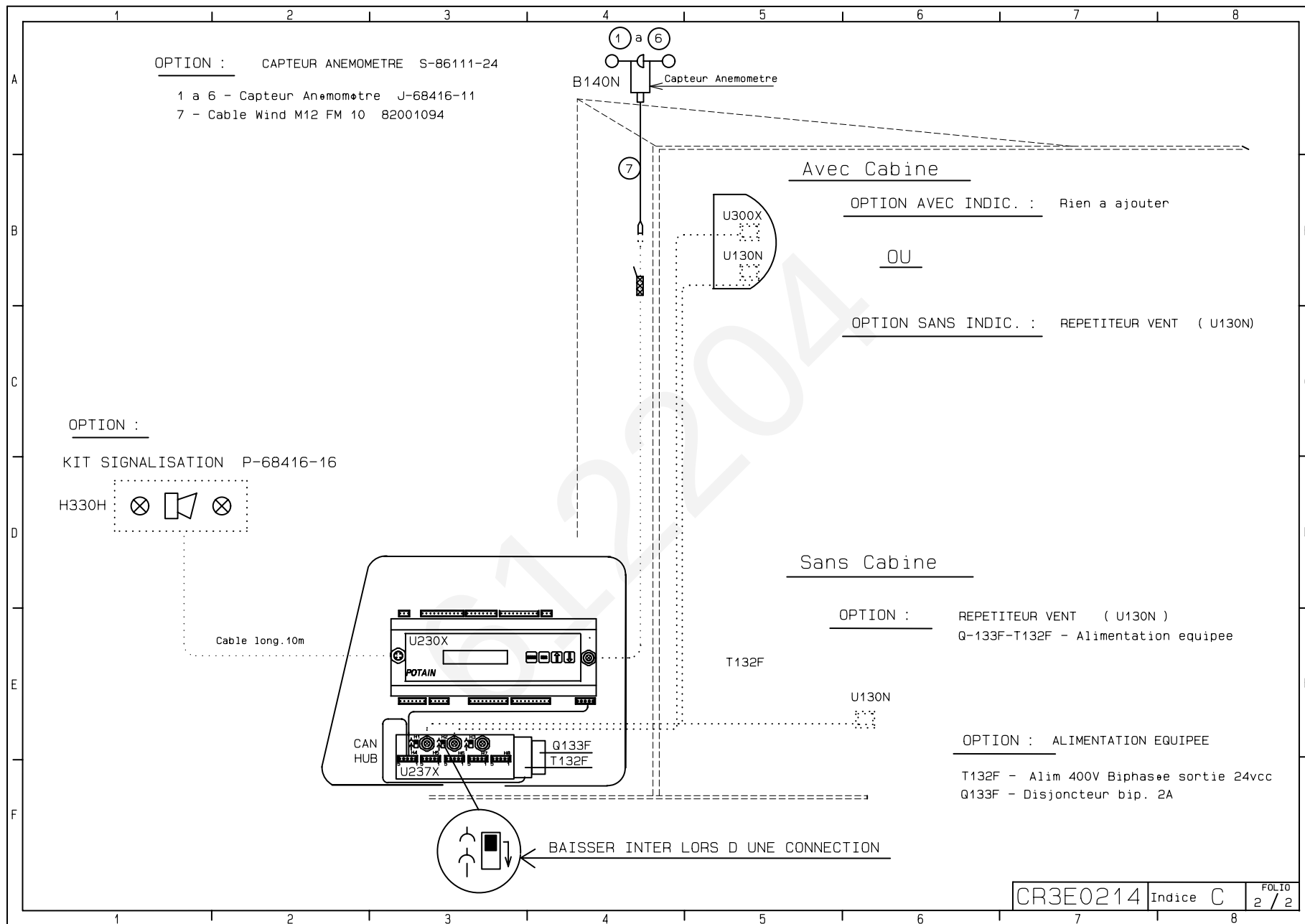




ANEMOMETER

B140N	:	Wind speed sensor	U130N	:	Electronic anemometer block
H330H	:	Wind speed signalling lot	U230X	:	Electronic control block of radio control
Q133F	:	24 V current stabilized protective switch	U237X	:	Hub Can
T132F	:	Current supply 24V	U300X	:	Interface block LCD

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TOP ZONE – CODER

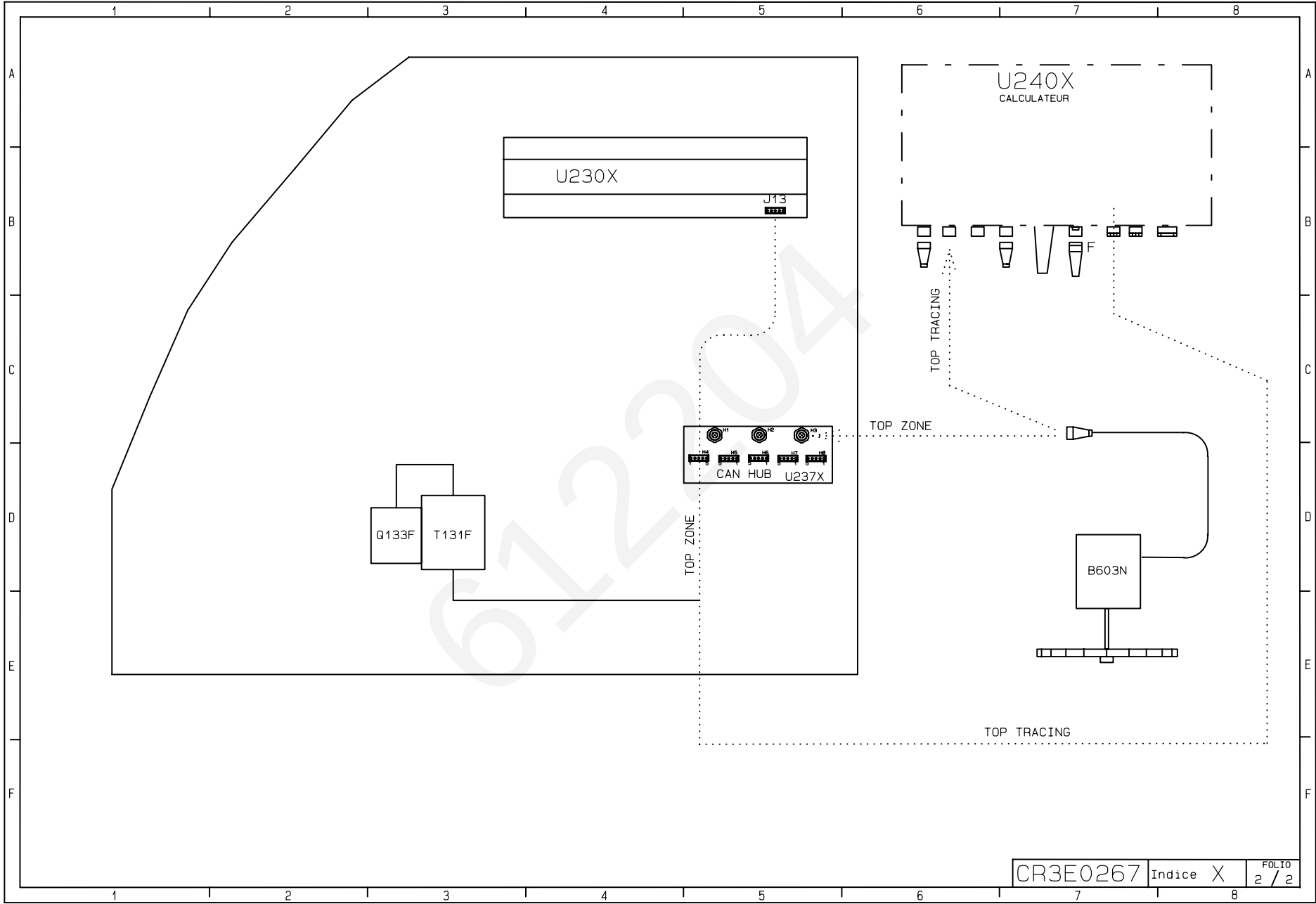
B603N : Slewing mechanism encoder
Q133F : 24 V current stabilized protective switch
Q138F : Cab mains supply circuit breaker
T131F : Current supply 24V

U230X : Electronic control block of radio control

U237X : Hub Can

U240X : Electronic block of area limitation control

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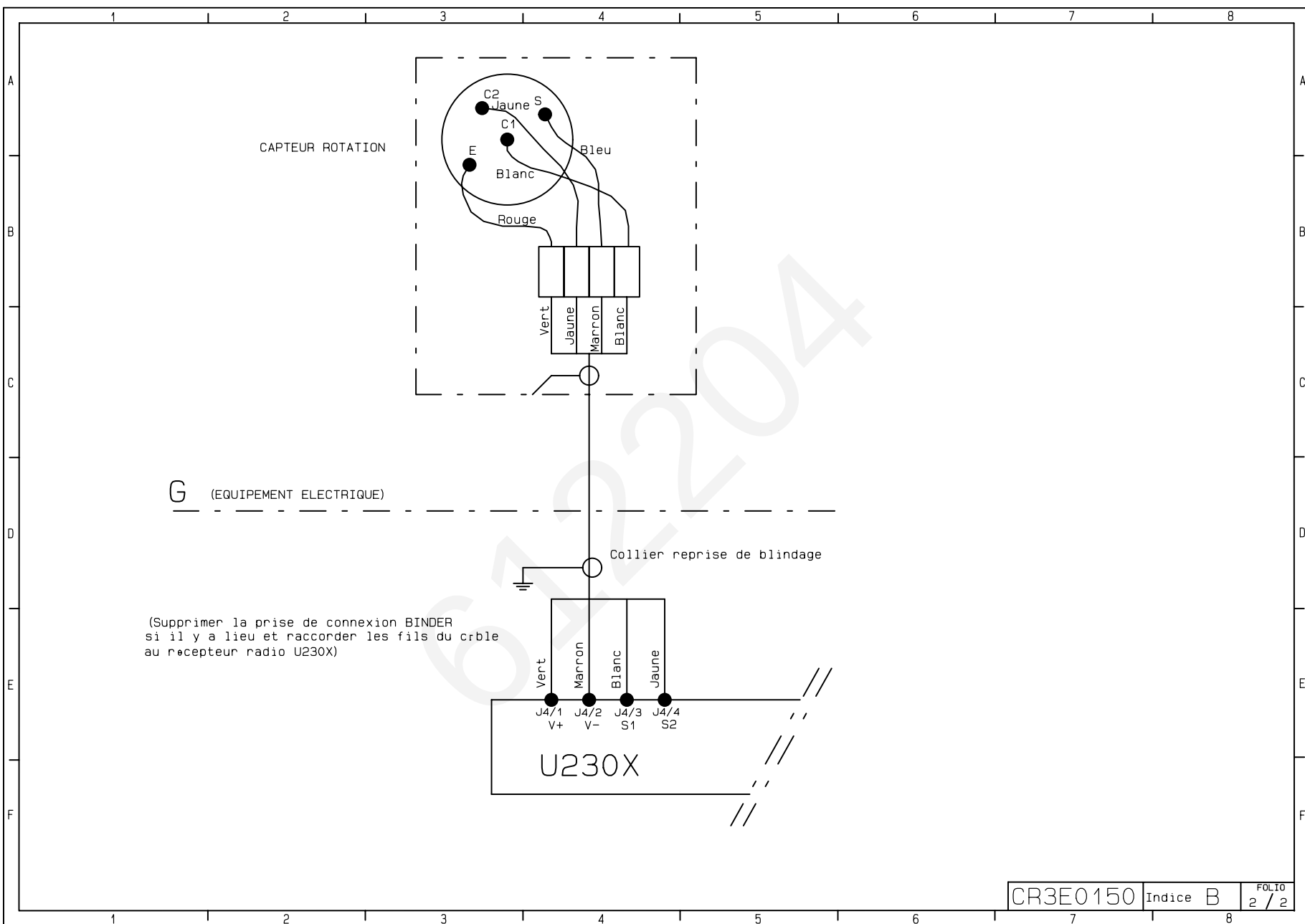




TOP ZONE – POTENTIOMETER

U230X : Electronic control block of radio control

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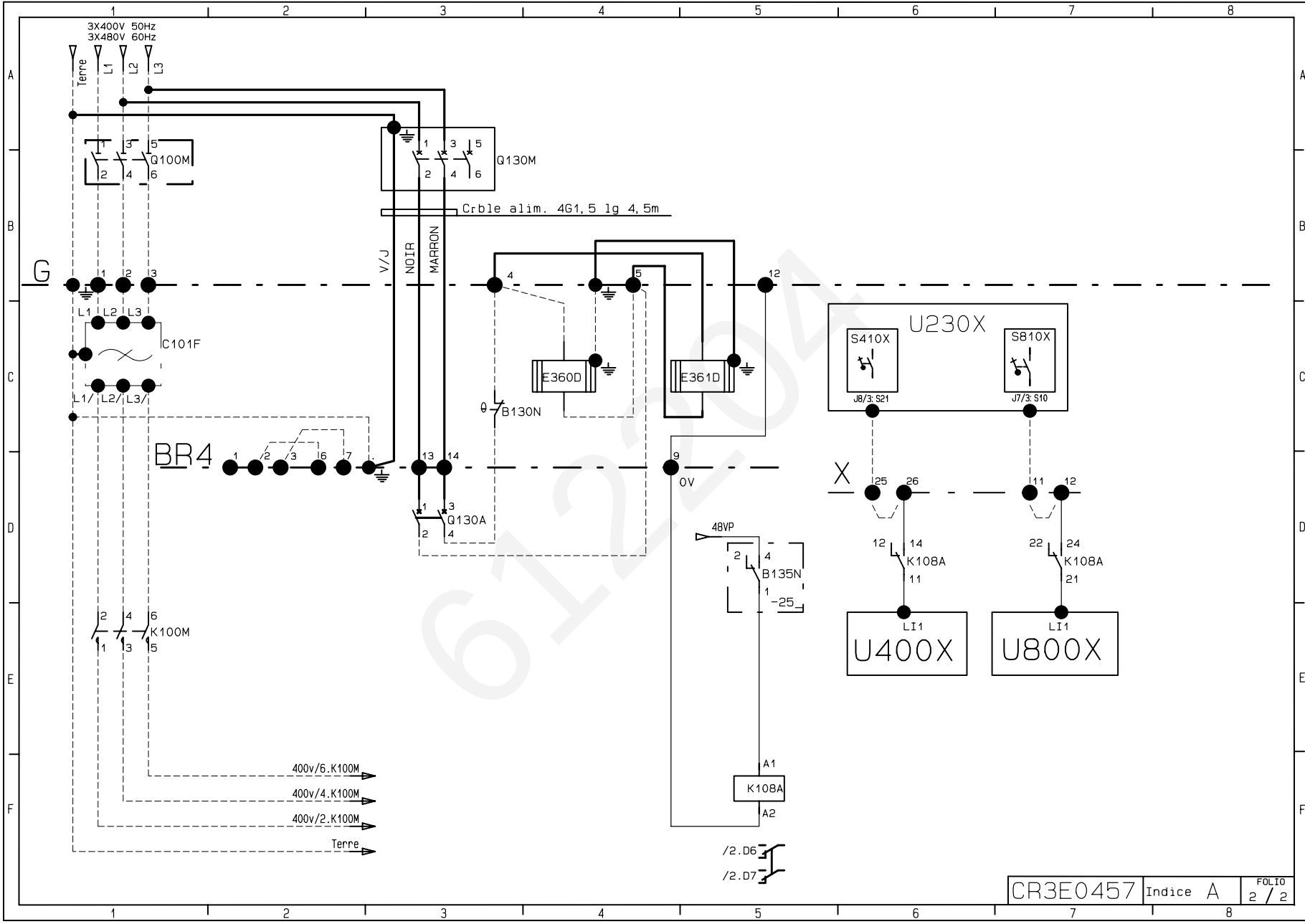




CONTROL PANEL HEATING

B130N	:	Thermostat 20°C	Q130A	:	Circuit breaker of control panel heating/ventilation supply
B135N	:	Thermostat – 25°	Q130M	:	Main circuit breaker of heating supply
C101F	:	Supply network filter	S410X	:	“Hoisting” control contact
E360D	:	Control panel heating	S810X	:	Trolley out control contact
E361D	:	Control panel heating	U230X	:	Electronic control block of radio control
K100M	:	Main contactor of current supply	U400X	:	Electronic control block of hoist winch
K108A	:	– 25° temperature safety relay	U800X	:	Electronic trolley winch control block
Q100M	:	Main power switch of crane supply			

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CAN HUB MAINS SUPPLY

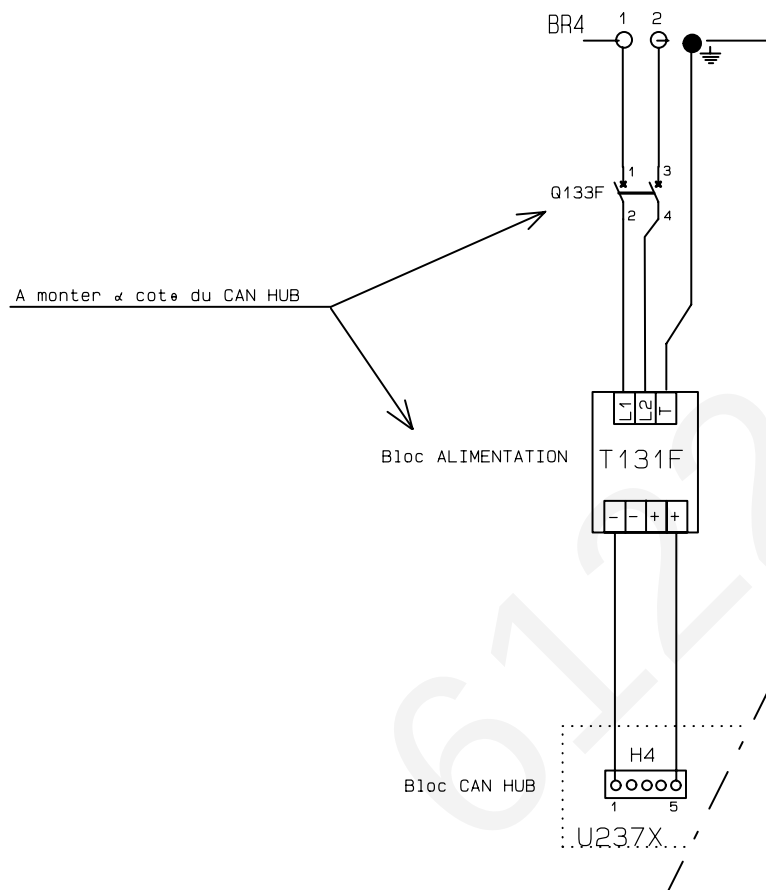
Q133F : 24 V current stabilized protective switch

T131F : Current supply 24V

Q980M : Circuit breaker Derrick hydraulic unit supply

U237X : Hub Can

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24 V CONNECTION

Q372A : 24 V switch circuit breaker

T372F : 24 V connection transformer

Q372F : Protective switch 24 V-connections primary transformer

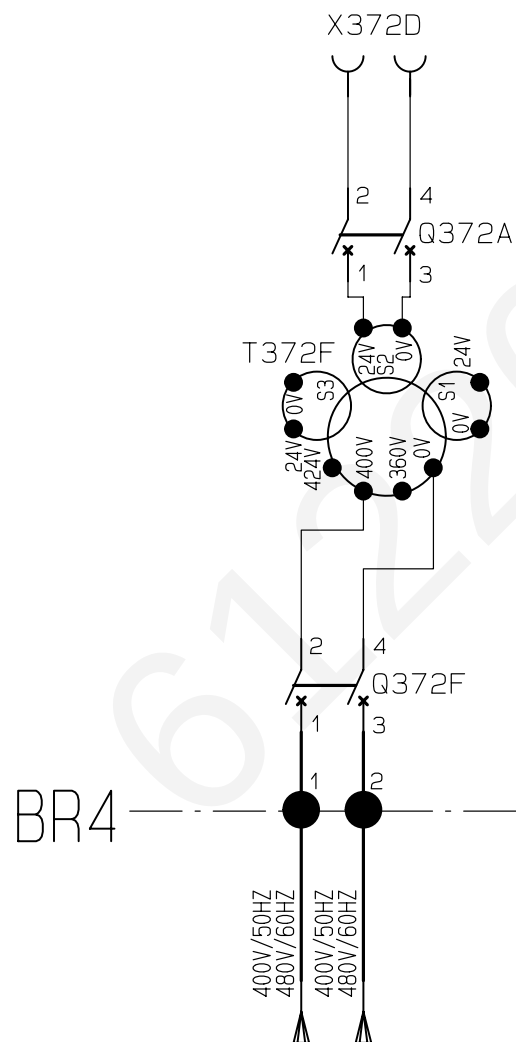
X372D : 24 V connection

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Connection 24 V





TRAVELLING GEAR OPTION

B130N	:	Thermostat 20°C	Q500M	:	Circuit breaker of travelling gear
E369D	:	Cab heating	Q501M	:	Circuit breaker of travelling gear
H321H	:	Horn 2	R500D	:	Resistant element of the travelling gear
D320D	:	Flashing time delay relay	S510S	:	Safety contact of "Travelling forward" limit switch
K509M	:	Travelling gear brake contactor	S511S	:	Travelling forward overrun switch contact
K510A	:	Control relay "Travelling forward"	S515S	:	Travelling backward limit switch contact
K515A	:	"Travelling backward" control relay	S516S	:	Travelling backward overrun switch contact
M500M	:	Travelling gear motor	U230X	:	Electronic control block of radio control
M501M	:	Travelling gear motor 2	U500X	:	Electronic control block of travelling gear
Q100M	:	Main power switch of crane supply	V501F	:	Rectifier
Q130A	:	Circuit breaker of control panel heating/ventilation supply	Y500M	:	Travelling gear brake
Q502M	:	Circuit breaker of travelling gear	Y501M	:	Travelling gear brake 2





CABLE WINDER OPTION

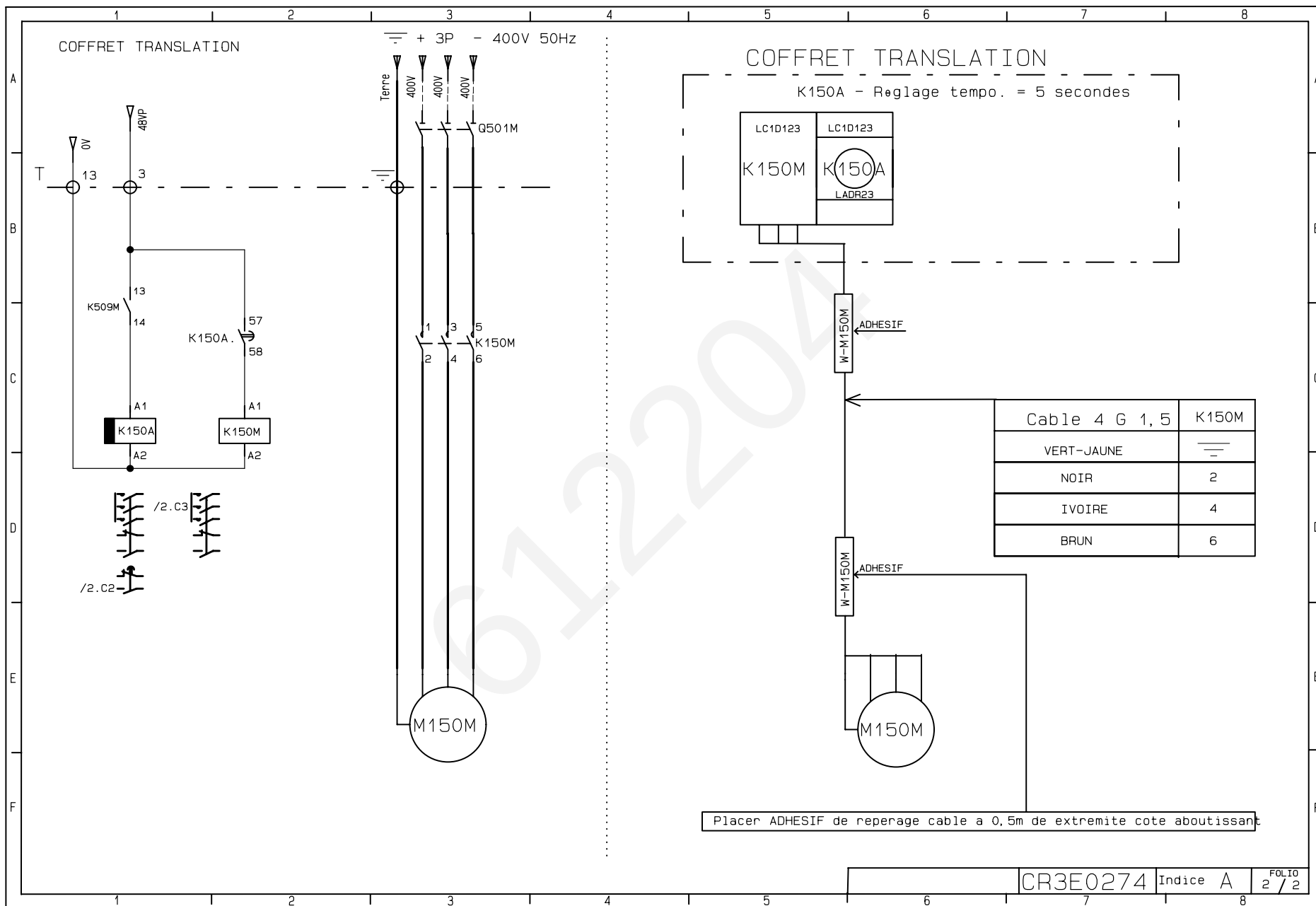
K150A : Cable winder control relay

K150M : Cable winder contactor

M150M : Cable winder motor

Q501M : Circuit breaker of travelling gear

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TOP TRACING

Skeleton diagram Top Tracing

H311H	:	Flashing lamp	R601S	:	Slewing movement potentiometer
H331H	:	Display housing	T131F	:	Current supply 24V
Q133F	:	24 V current stabilized protective switch	U230X	:	Electronic control block of radio control
Q980M	:	Circuit breaker Derrick hydraulic unit supply	U240X	:	Electronic block of area limitation control
R501S	:	Travelling movement potentiometer	U241X	:	Electronic shunt block
B601S	:	Slewing mechanism encoder			

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