

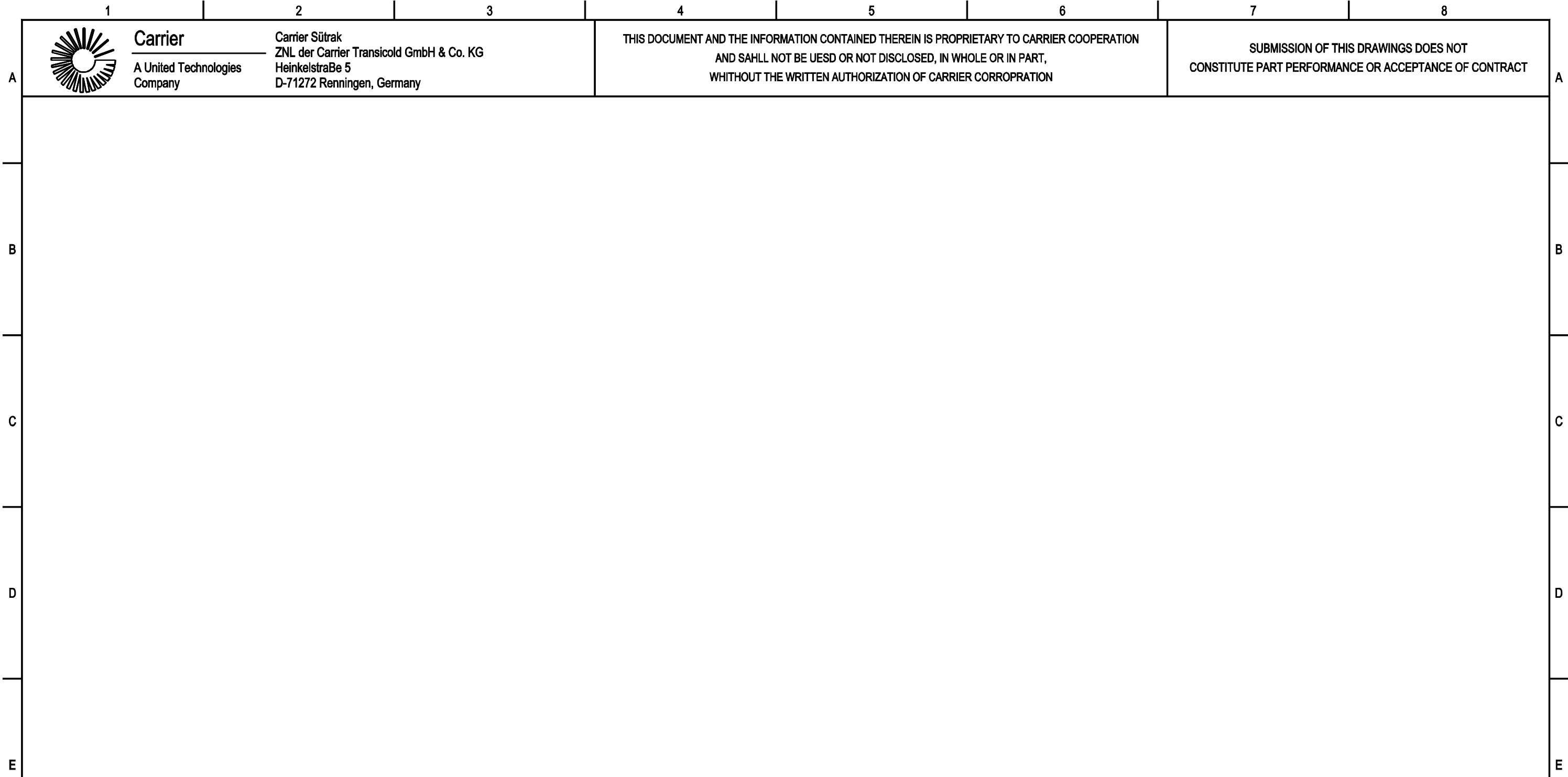


**Carrier**  
A United Technologies  
Company

Carrier Sütrak  
ZNL der Carrier Transicold GmbH & Co. KG  
Heinkelstraße 5  
D-71272 Renningen, Germany

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Alle Leitungen ohne Querschnittsangabe sind 1,5mm<sup>2</sup>  
all wires without labeling are 1,5mm<sup>2</sup>

sheet index	Rev.	A A A A A A A																										
		1	2	3	4	5	6	7																				
A		Kondensator Lüfter 2,5 mm <sup>2</sup> und 20A Automaten Cond. Wire 2.5mm <sup>2</sup> & 20A Circuit Braker		28.Okt.2009	G.Polkowski		68E202GN08																					
2		Überarbeitet / Revised		15.Sep.2009	G.Polkowski																							
1		Zeichnungserstellung / Initial Version		25.Aug.2008	G.Polkowski																							
SYM		REVISION RECORD		DATE	BY	ENGR/ME	NPCA NO.	TITLE AC430 III 12VDC R=CSDD; G=S; L=1; F=S(Opt.); HD/ND int.							A3		DRAWING NO.: 98-67037 SHEET 1 OF 7		CAD PROJECT: Carrier		CAD SYSTEM: TREECAD		REV A					



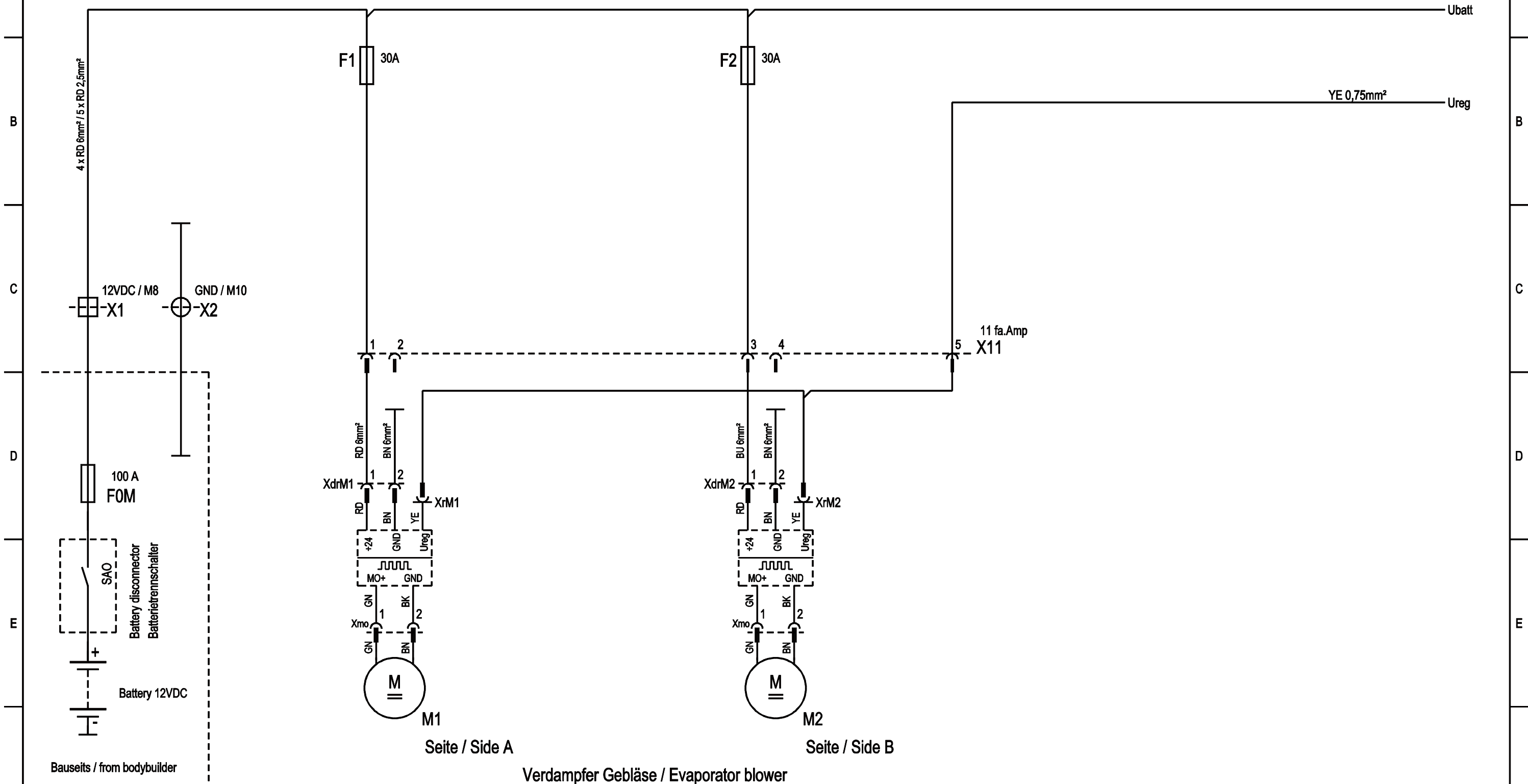
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Seite / Side A

Seite / Side B

Verdampfer Gebläse / Evaporator blower

A Zeichnungserstellung / Initial Version					25.Aug.2008	G.Polkowski	68E202GN08	TITLE	A3	DRAWING NO.: 98-67037 SHEET 2 OF 7	REV A
SYM REVISION RECORD					DATE	BY	ENGR/ME	NPCA NO.			

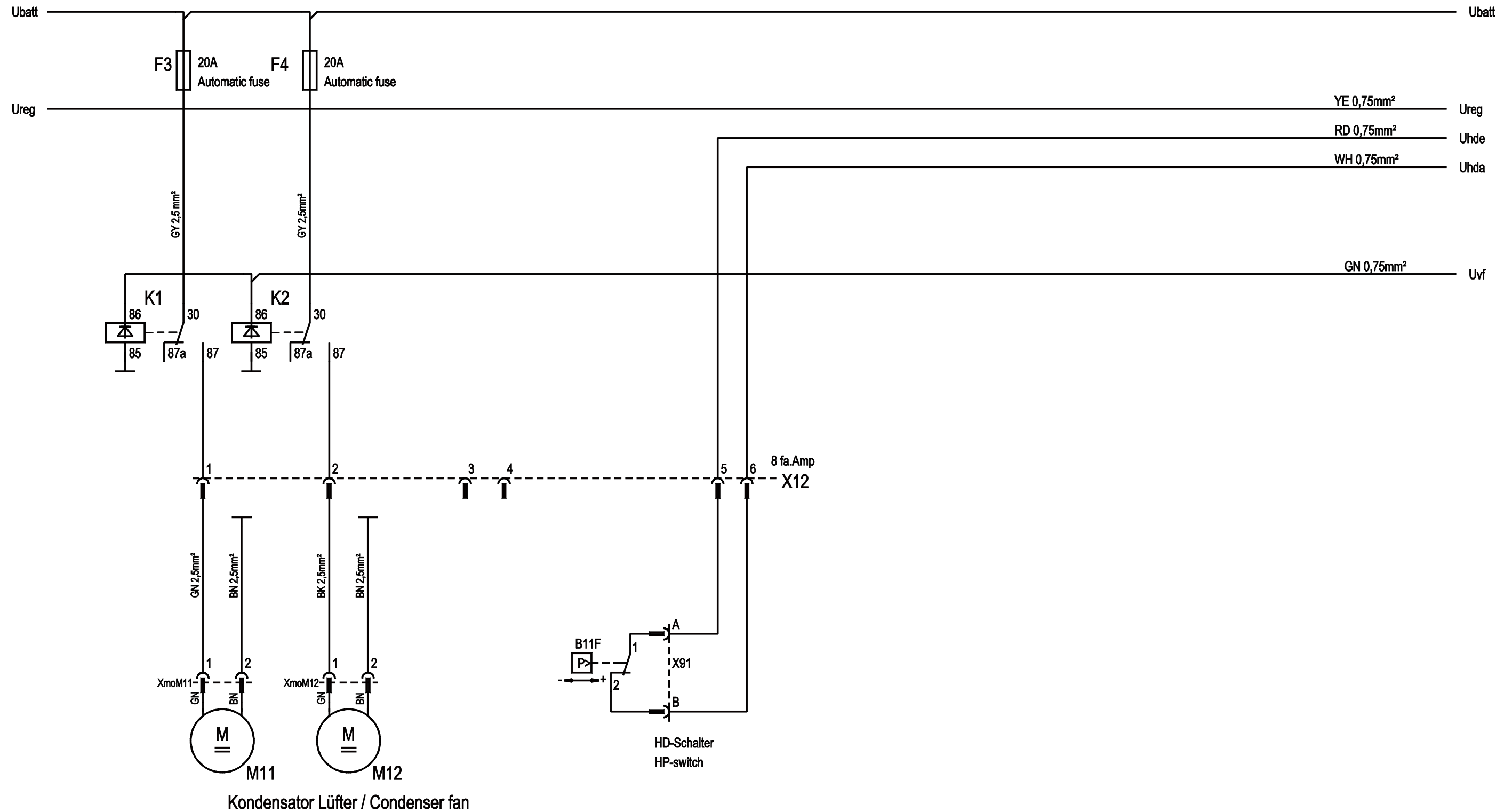


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					TITLE	A3	DRAWING NO.: 98-67037 SHEET 3 OF 7	REV A
A	Zeichnungserstellung / Initial Version		25.Aug.2008	G.Polkowski	68E202GN08			
SYM	REVISION RECORD		DATE	BY	ENGR/ME	NPCA NO.		

1 2 3 4 5 6 7 8

AC430 III 12VDC R=CSDD; G=S; L=1; F=S(Opt.); HD/ND int.



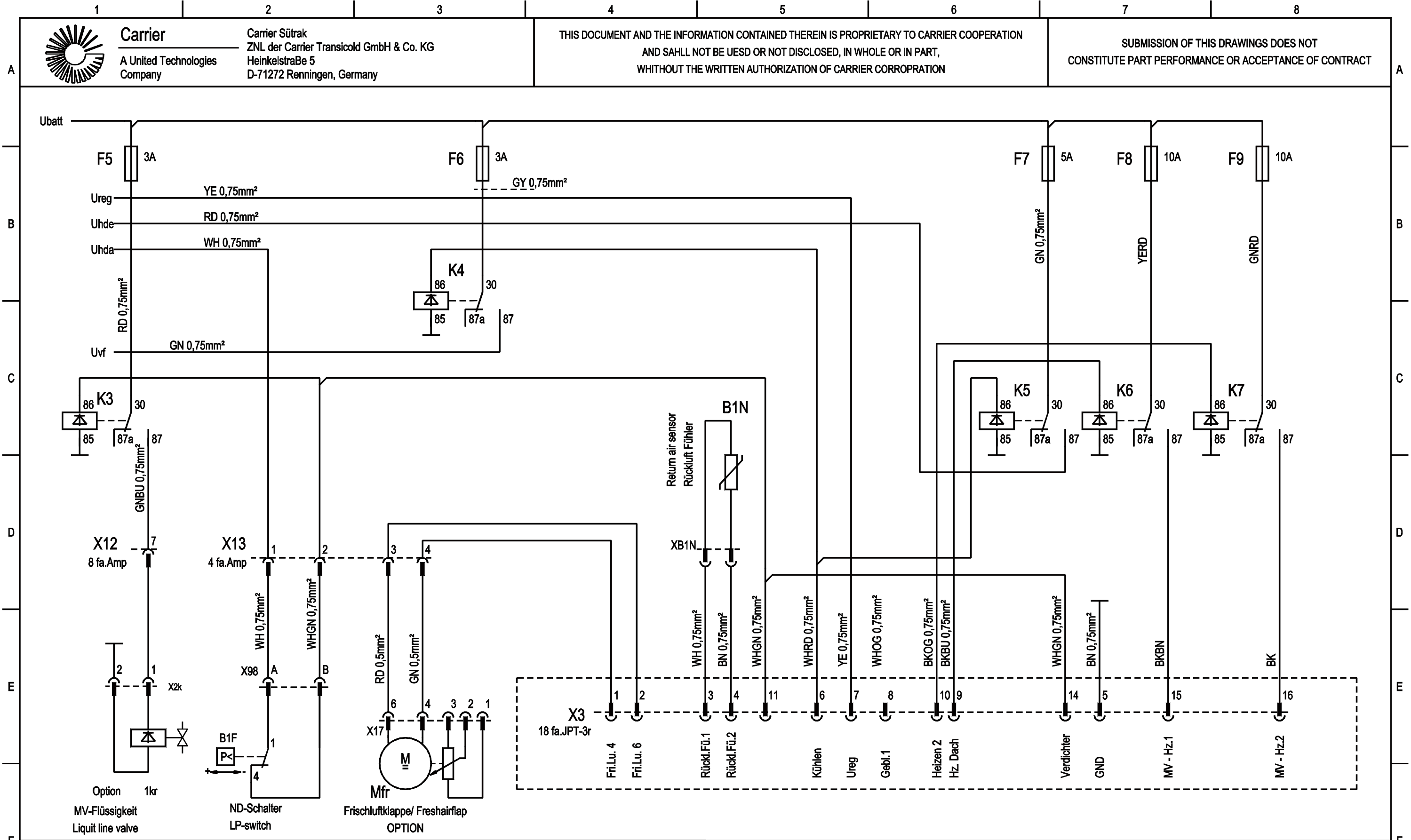
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TITLE					DRAWING NO.: 98-67037		REV	
AC430 III 12VDC R=CSDD; G=S; L=1; F=S(Opt.); HD/ND int.					SHEET 4 OF 7		A	
CAD PROJECT: Carrier					CAD SYSTEM: TREECAD			

1	2	3	4	5	6	7	8
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A	Zeichnungserstellung / Initial Version	25.Aug.2008	G.Polkowski	68E202GN08
SYM	REVISION RECORD	DATE	BY	ENGR/ME
1				NPCA NO.



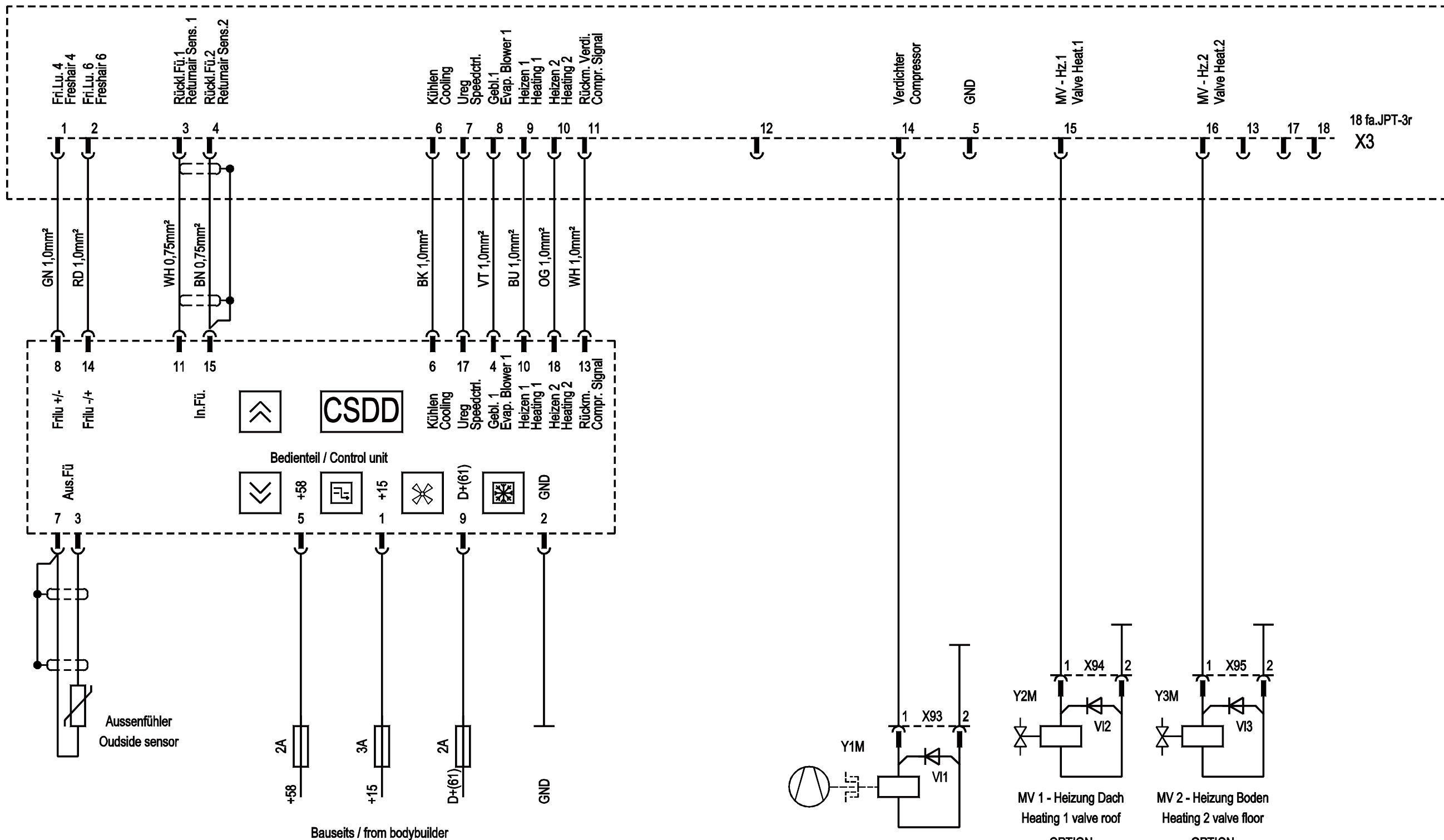
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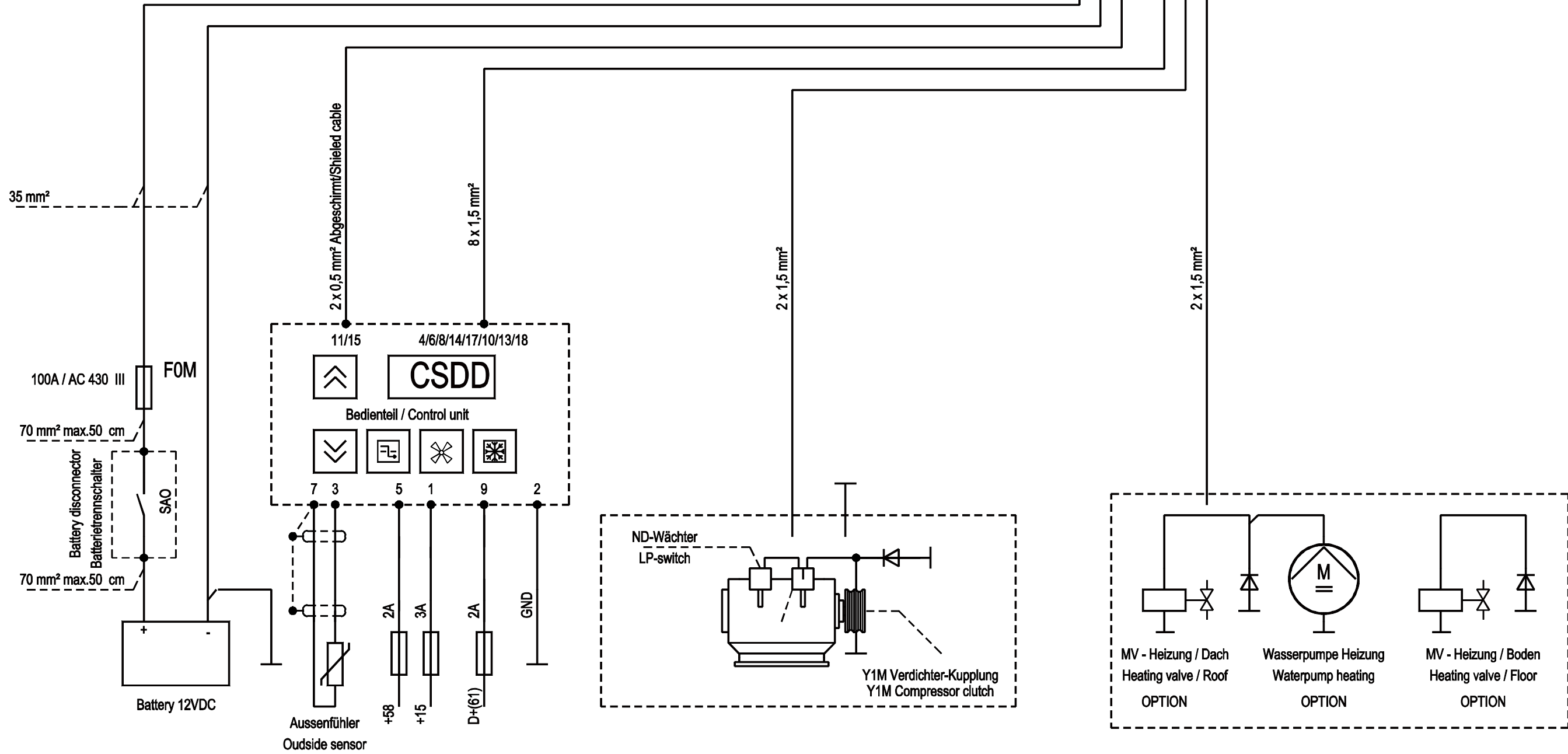
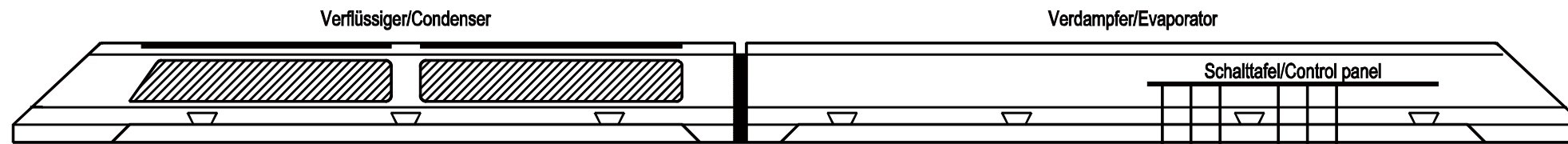


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SYM		REVISION RECORD		DATE	BY	ENGR/ME	NPCA NO.				

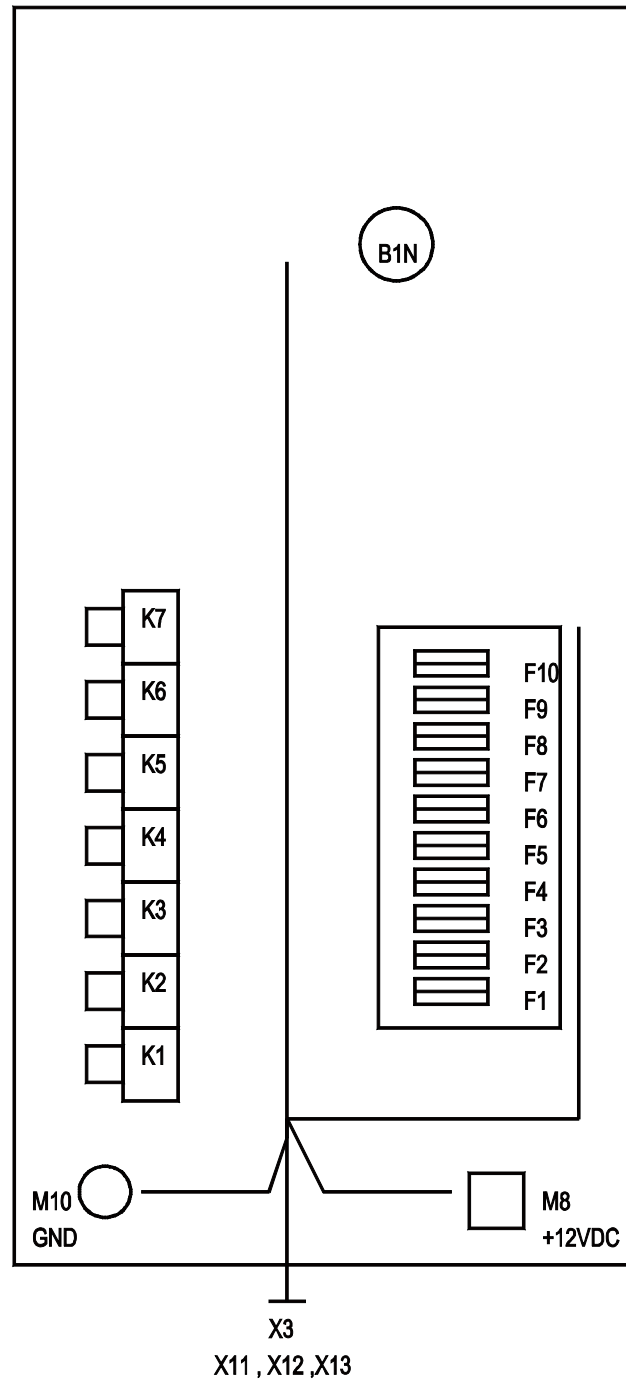


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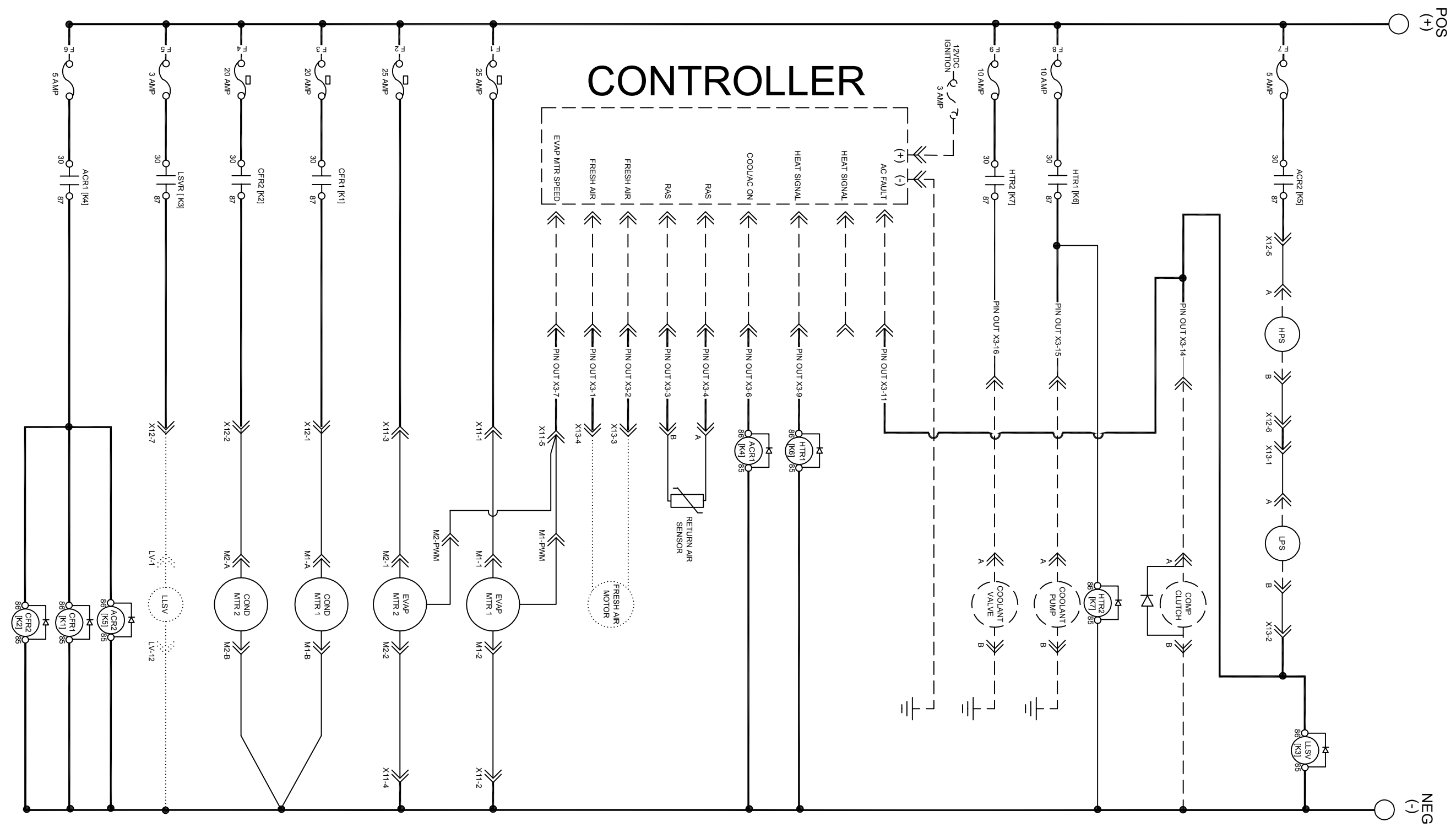
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SYM	REVISION RECORD		DATE	BY	ENGR/ME	NPCA NO.	AC430 III 12VDC R=CSDD; G=S; L=1; F=S(Opt.); HD/ND int.		SHEET 7 OF 7	CAD PROJECT: Carrier	CAD SYSTEM: TREECAD	A

# CONTROLLER

SCHEMATIC

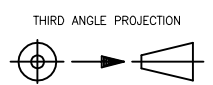


SCHEMATIC NO. 98-63176 ELECTRICAL PANEL 91-62105-00  
AC430.3, 12V.OPTIONAL LLSV & FRESH AIR OPTION SHOWN

SHEET	REV	1	1
INDEX	SHEET	1	2

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.	WEIGHT	MFG/PURCH	MFG
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CAD SYSTEM: AutoCAD



MATERIAL

IMPERIAL INCH FORMAT:  
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES, WITH METRIC CONVERSIONS IN [MILLIMETERS].

UNLESS OTHERWISE SPECIFIED TOLERANCES ON:  
 .00 DEC    .000 DEC    DEC    ANG  
 ± .04    ± .020    ±    ± 2°  
 [.0] DEC    [.00] DEC    DEC  
 ±[1.0]    ±[.50]    ± [ ]

SURFACES	HOLE DIA.	HOLE SPACING	HOLE LOC
✓ AA	± .005 ± [.13]	± .015 ± [.38]	± .03 ± [.8]

DIMENSIONS IN (PARENTHESIS) ARE FOR INFORMATION ONLY. TOLERANCES DO NOT APPLY.

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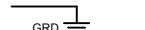

TITLE		SCHEMATIC	
		AC430.3 12V	
SIZE	DRAWING NO.	REV	COMMODITY CODE
D	98-63176	1	
		SHEET 1 OF 2	
NEXT DRAWING	SCALE		
NONE	1:2		



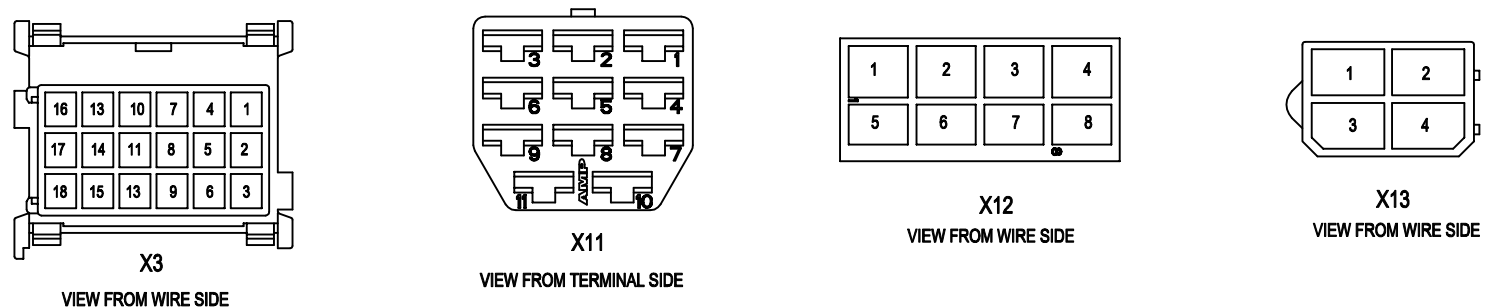
**SYMBOL**

**DESCRIPTION**

ACR1-ACR2	A/C RELAY
CFR1-CFR2	CONDENSER FAN RELAY
HTR1-HTR2	HEATER RELAY
LLSR	LIQUID LINE SOLENOID RELAY
F5	FUSE, 3 AMP
F7-F6	FUSE, 5 AMP
F8-F9	FUSE, 10 AMP
F3-F4	FUSE, 20 AMP (RESETTABLE)
F1-F2	FUSE, 25 AMP (RESETTABLE)
HPS	HIGH PRESSURE SWITCH
LPS	LOW PRESSURE SWITCH
LLSV	LIQUID LINE SOLENOID VALVE
RAS	RETURN AIR SENSOR

	INDICATES WIRE ON CTD SUPPLIED PANEL
	INDICATES STANDARD OPTIONS (IN UNIT)
	INDICATES OPTIONAL EQUIP (IN UNIT)
	INDICATES BUS WIRING (CUSTOMER INTERFACE)
	INDICATES A WIRE GROUND
	INDICATES A CONNECTOR (GENERAL)
	INDICATES A NORMALLY OPEN CONTACT



NOTES:  
 1.0 UNIT SHOWN IS IN THE OFF POSITION.  
 2.0 RELAY CONTACTS SHOWN ARE IN THEIR NORMAL UNENERGIZED POSITION.  
 3.0 ADDRESS SYSTEM: EXAMPLE, CB6-CR30 INDICATES A WIRE BETWEEN CIRCUIT BREAKER #6 AND CLUTCH RELAY TERMINAL #30.  
 4.0 WIRE IDENTIFICATION SYSTEM:  
 COLORS: WHITE - DC CONTROL CIRCUIT  
 GREEN - GROUND  
 YELLOW - OPTIONAL CIRCUITS



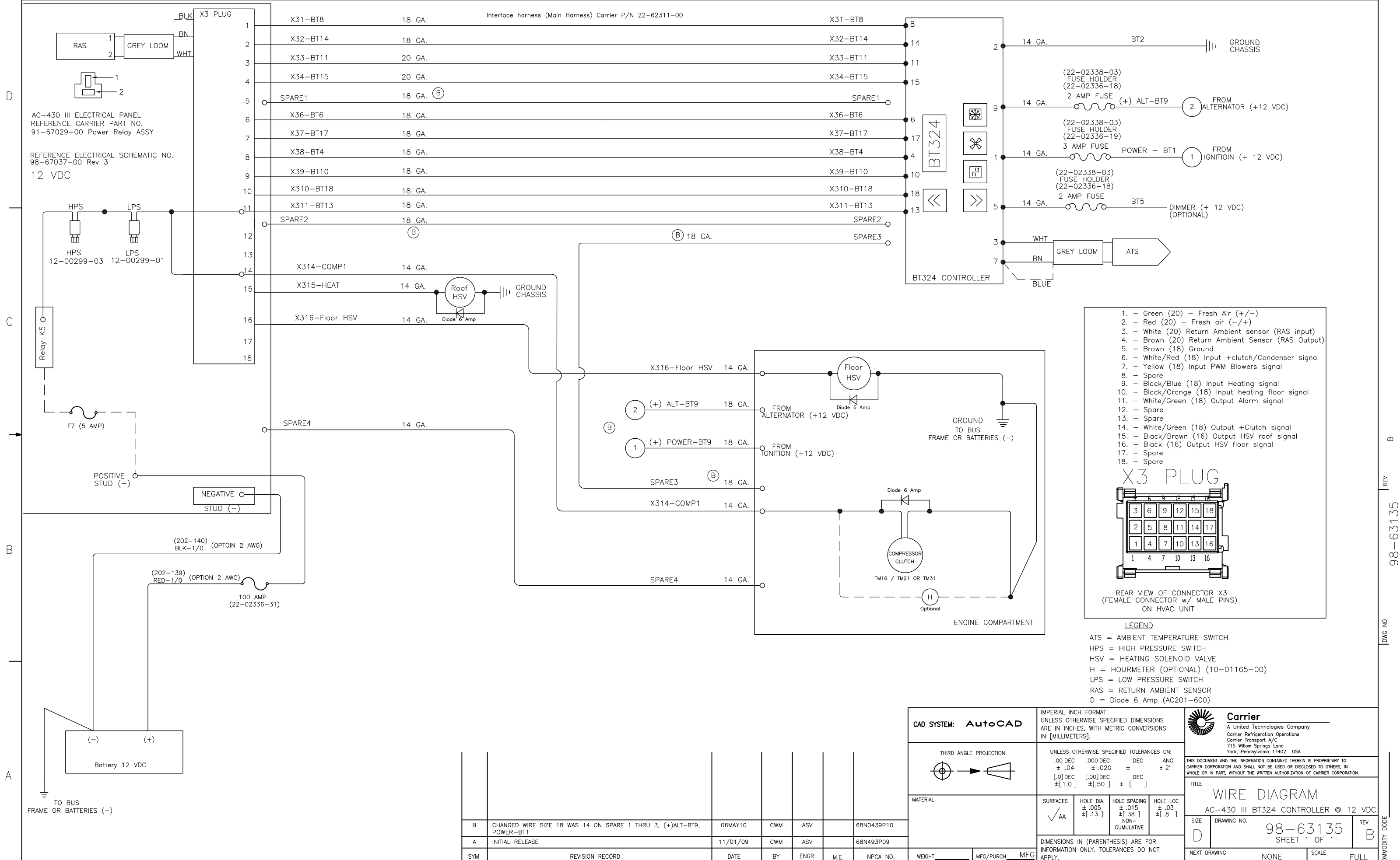
**CONNECTOR PIN LOCATION DETAILS**

**SCHEMATIC NO. 98-63176 ELECTRICAL PANEL 91-62105-00  
 AC430.3, 12V.OPTIONAL LLSV & FRESH AIR OPTION SHOWN**

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.	WEIGHT	MFG/PURCH	MFG
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CAD SYSTEM: <b>AutoCAD</b>		IMPERIAL INCH FORMAT: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES, WITH METRIC CONVERSIONS IN [MILLIMETERS].		 <b>Carrier</b> A United Technologies Company Carrier Refrigeration Operations Carrier Transport A/C 715 Willow Springs Lane York, Pennsylvania 17402 USA	
THIRD ANGLE PROJECTION 		UNLESS OTHERWISE SPECIFIED TOLERANCES ON: .00 DEC    .000 DEC    DEC    ANG ± .04    ± .020    ±    ± 2' [.0]DEC    [.00]DEC    DEC ±[1.0]    ±[.50]    ± [ ]		THIS DOCUMENT AND THE INFORMATION CONTAINED THEREIN IS PROPRIETARY TO CARRIER CORPORATION AND SHALL NOT BE USED OR DISCLOSED TO OTHERS, IN WHOLE OR IN PART, WITHOUT THE WRITTEN AUTHORIZATION OF CARRIER CORPORATION.	
MATERIAL - -		SURFACES ✓ AA	HOLE DIA. ± .005 ± [.13]	HOLE SPACING ± .015 ± [.38] NON-CUMULATIVE	HOLE LOC ± .03 ± [.8]
DIMENSIONS IN (PARENTHESIS) ARE FOR INFORMATION ONLY. TOLERANCES DO NOT APPLY.		TITLE <b>SCHEMATIC</b>		AC430.3 12V	
SIZE		DRAWING NO. <b>98-63176</b>		REV <b>1</b>	
NEXT DRAWING NONE		SCALE 1:2		COMMODITY CODE	

1 REV 98-63176 DWG NO 98-63176



**X3 PLUG**

REAR VIEW OF CONNECTOR X3 (FEMALE CONNECTOR w/ MALE PINS) ON HVAC UNIT

**LEGEND**

- 1. - Green (20) - Fresh Air (+/-)
- 2. - Red (20) - Fresh air (-/+)
- 3. - White (20) Return Ambient sensor (RAS input)
- 4. - Brown (20) Return Ambient Sensor (RAS Output)
- 5. - Brown (18) Ground
- 6. - White/Red (18) Input +clutch/Condenser signal
- 7. - Yellow (18) Input PWM Blowers signal
- 8. - Spare
- 9. - Black/Blue (18) Input Heating signal
- 10. - Black/Orange (18) Input heating floor signal
- 11. - White/Green (18) Output Alarm signal
- 12. - Spare
- 13. - Spare
- 14. - White/Green (18) Output +Clutch signal
- 15. - Black/Brown (16) Output HSV roof signal
- 16. - Black (16) Output HSV floor signal
- 17. - Spare
- 18. - Spare

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.	WEIGHT	MFG/PURCH	MFG
B	CHANGED WIRE SIZE 18 WAS 14 ON SPARE 1 THRU 3, (+)ALT-BT9, POWER-BT1	06MAY10	CWM	ASV		68N0439P10			
A	INITIAL RELEASE	11/01/09	CWM	ASV		68N493P09			

**CAD SYSTEM: AutoCAD**

THIRD ANGLE PROJECTION

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 ±[1.0]    ±[.50]    ± [ ]

MATERIAL

SURFACES: ✓ AA  
 HOLE DIA: ± .005 ± [.13]  
 HOLE SPACING: ± .015 ± [.38] NON-CUMULATIVE  
 HOLE LOC: ± .03 ± [.8]

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**WIRE DIAGRAM**  
AC-430 III BT324 CONTROLLER @ 12 VDC

SIZE: D    DRAWING NO. 98-63135    SHEET 1 OF 1    REV B

NEXT DRAWING: NONE    SCALE: FULL