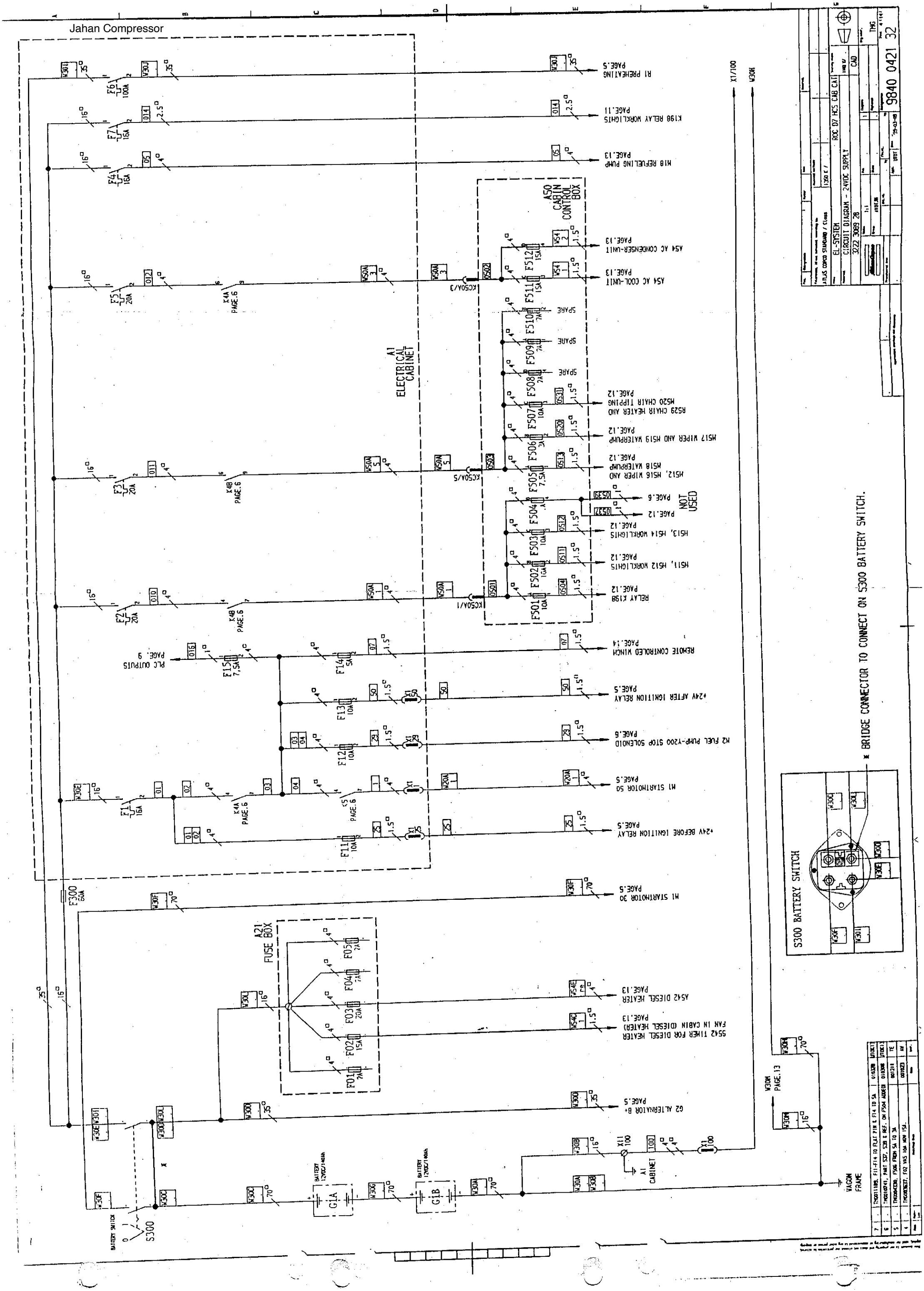
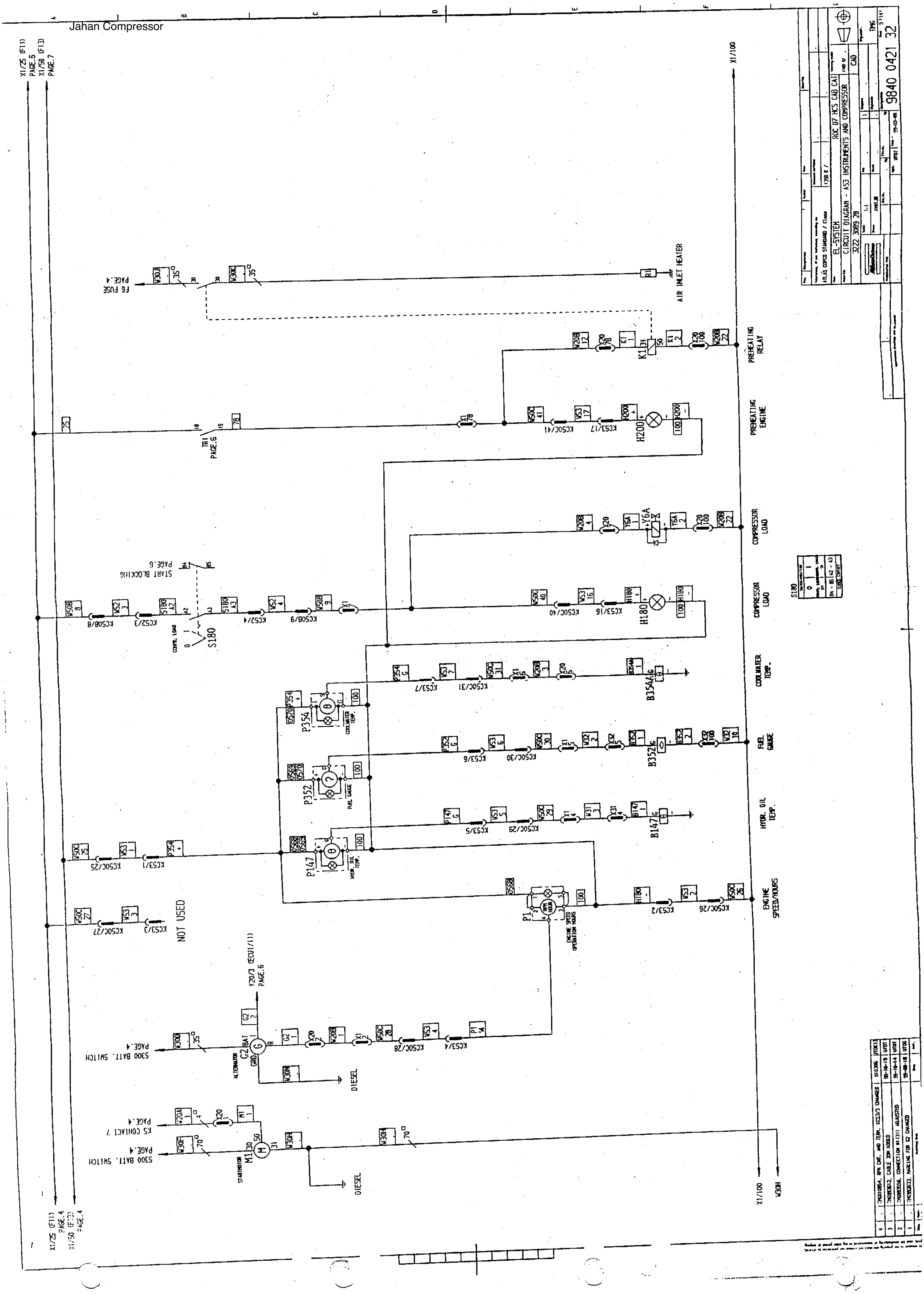
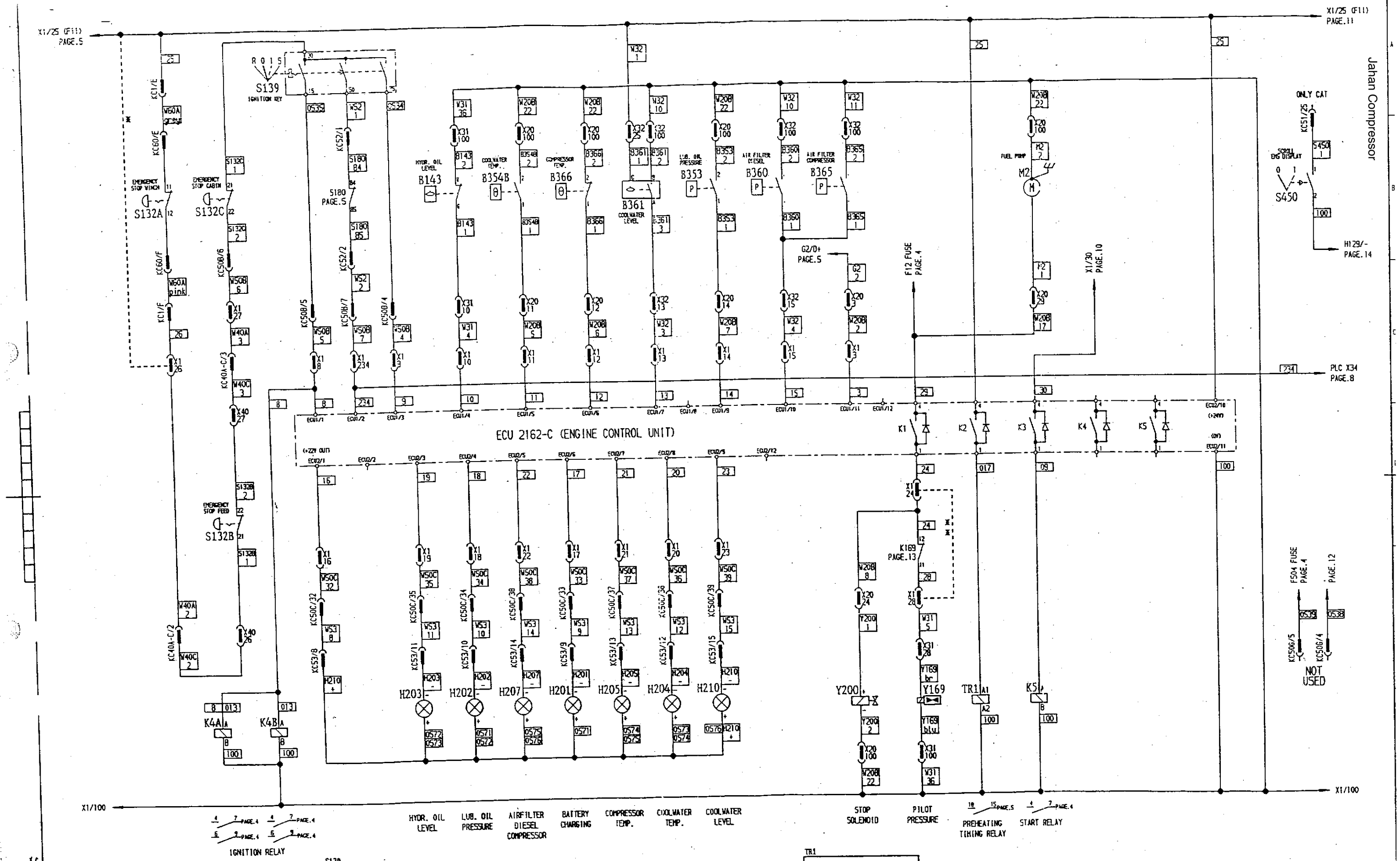
Jahan Compressor



Jahan Compressor





S139

O	R	I	S
.	30 - 75	30 - 75	30 - 15
.	.	30 - 15	30 - 50

TR1

TIMER RELAY SETTINGS

5 x 6-60s = (30 sek)

* NOTE!! REMOVE WIRE IF REMOTE CONTROLED WINCH IS MOUNTED.

** NOTE!! REMOVE WIRE IF HQS IS MOUNTED

7	.	TMG014779, CONN. ON B361 CH. REF TO X20/8 DEL	011113	UTOU
6	.	TMG010741, S38/S39 TO S34/S35 & S38,S39 ADDED	010308	UTOK13
5	.	TMG004142, CABLE 60A CHANGED AND 60B DELETED.	001123	AN
4	.	TMG002328, DRAWING ADJUSTED	0-07-05	UTOT
3	.	TMG000941, CONNECTION FOR ECU K3 IS CHANGED	0-03-15	UTOT
2	.	TMG000737, M2 FUEL PUMP MOVED	0-03-01	UTOT
1	.	TMG992633, PART MARKING FROM M2 CHANGED	99-08-18	UTOG

ATLAS COPCO STANDARD / Class

EL-SYSTEM ROC D7 HCS CAB CAT

CIRCUIT DIAGRAM - ENGINE CONTROL UNIT

3222 3089 28

CAD

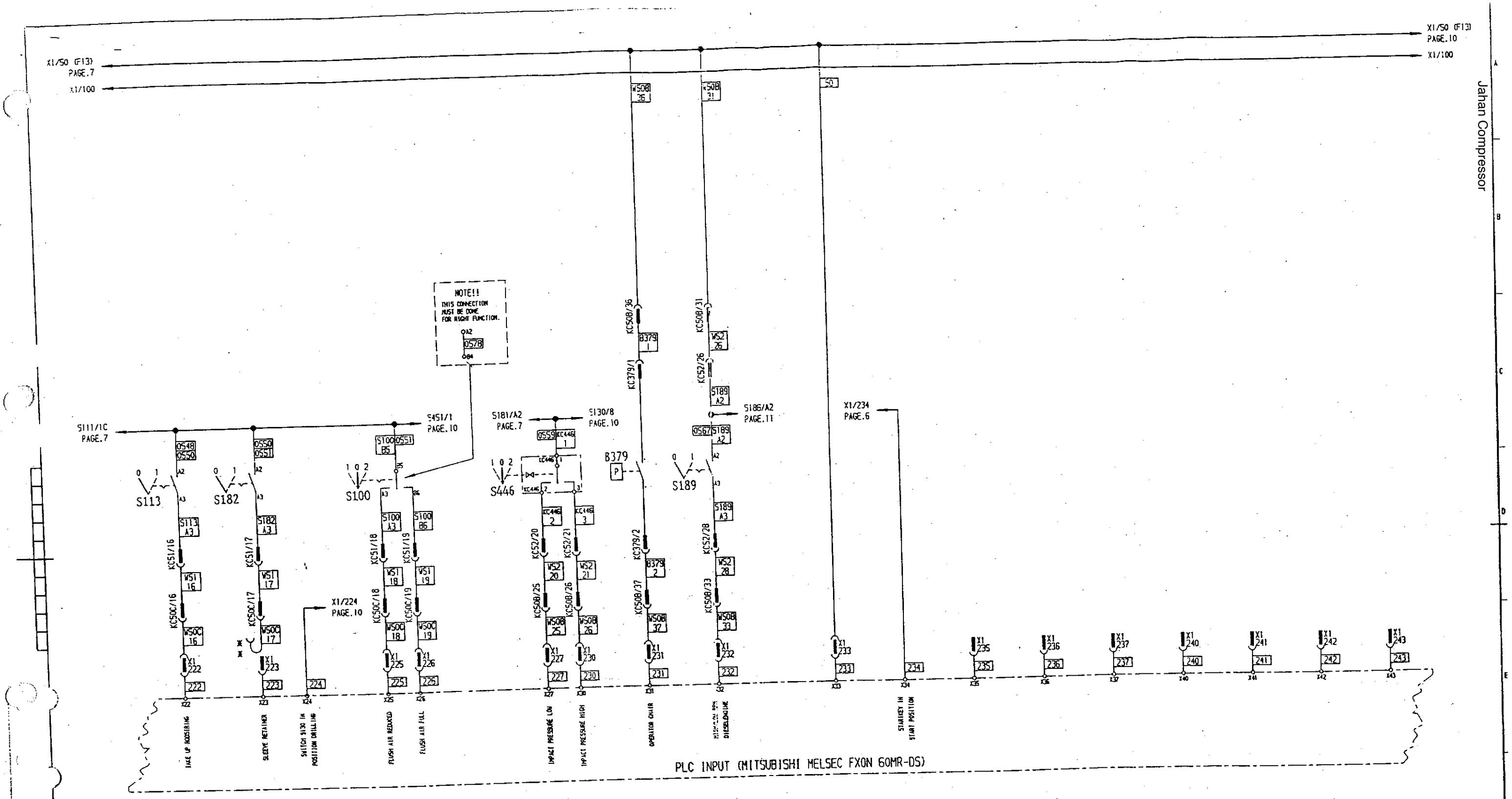
1:1

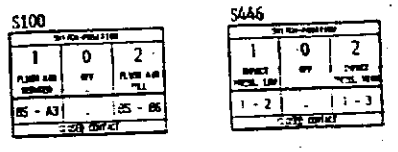
AVOT.JH

TMG

UTOT I 99-03-09

9840 0421 32





** NOTE!! ONLY CONNECTED TO X1/223 IF SLEEVE RETAINER IS MOUNTED.

1	.	TMG000941, PAGE INFO. X1/50 CHANGED	0-03-15 UTOT

ATLAS COPCO STANDARD / Class — 1350 K /

EL-SYSTEM — ROC D7 HCS CAB CAT

CIRCUIT DIAGRAM - PLC INPUT

3222 3089 28

CAD

AVO

UTOT 99-03-09

9840 0421 32

Jahan Compressor

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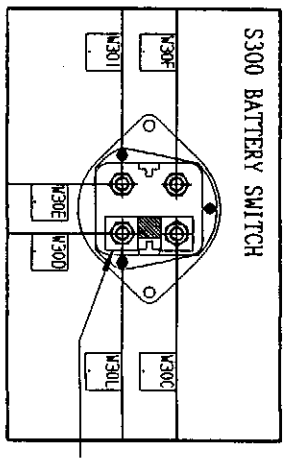
Item	Part-no	Designation	Date	Init.
9	-	TMR041521 SHEET 1 CHANGED	040317	S1CZ3
8	-	TMR037454, Symbol SW S449 Sheet 14	031216	DTOC23
6	-	TMR035097, FUSE F506 IS CHANGED TO 10A	030917	UTOG
5	-	TMR024096, FUSE F1 CHANGED	029903	UTOU
4	-	TMR020795, F1 & CABLES 301 & J CH.	020212	UTOU
3	-	TMR020387, TERM. X11 & 6x4mm² ADDED	020123	DTOK15
2	-	TMR013890, PAGEREF. ON K5B CHANGED	011003	UTOU
1	-	TMR013334, GROUND, W30K,B & F1-F5,F7 CHANGED	010521	UTOU

S300 BATTERY SWITCH

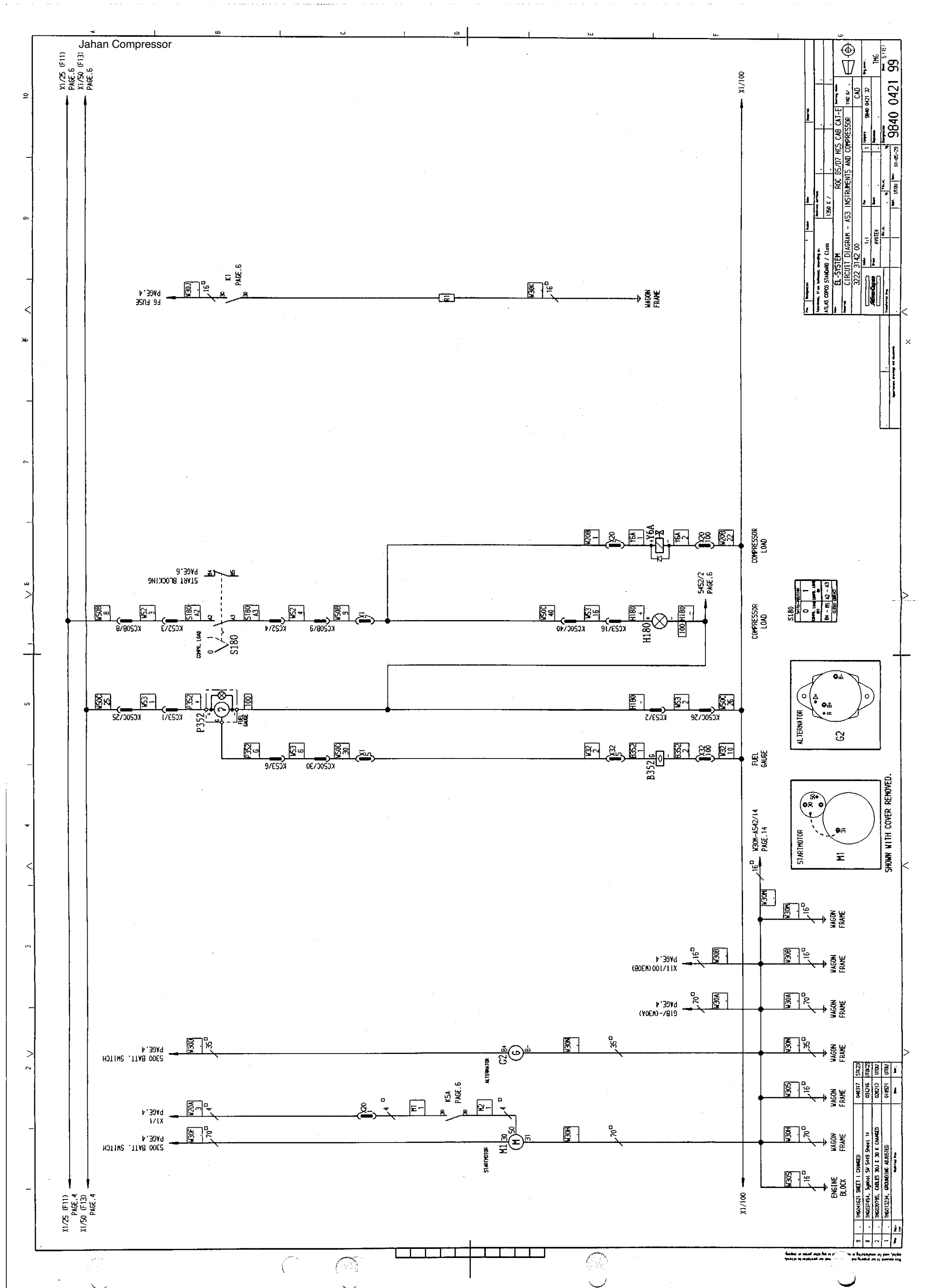


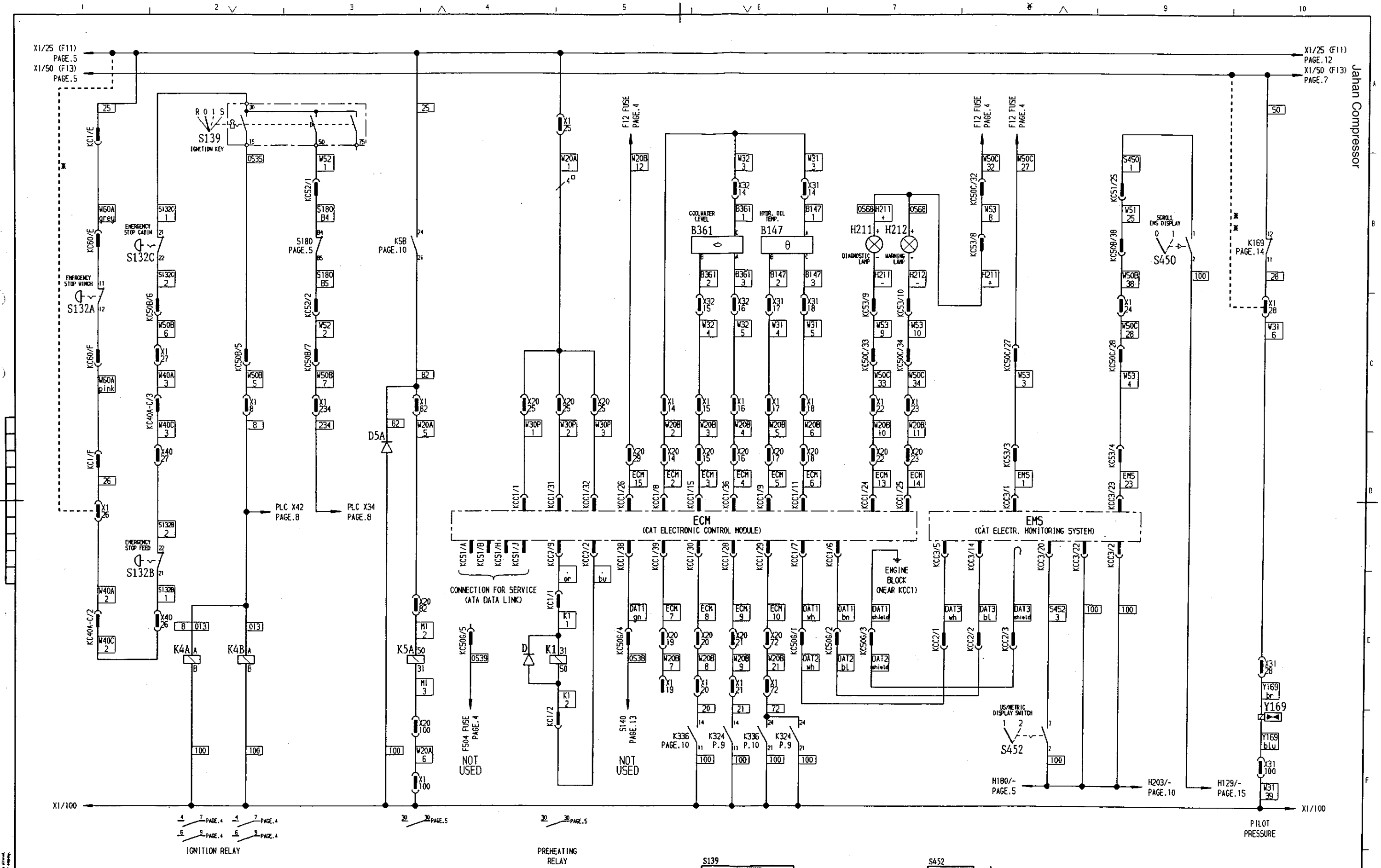
* BRIDGE CONNECTOR TO CONNECT ON S300 BATTERY SWITCH.

COMMON RAIL FOR SPARE WIRES
A1 CABINET
WAGON FRAME/W30A PAGE.5
WAGON FRAME/W30B PAGE.5
G2 ALTERNATOR B+ PAGE.5
M1 STARTMOTOR 30 PAGE.5
S300 BATTERY SWITCH
G1A BATTERY 12V0C/140Ah
G1B BATTERY 12V0C/140Ah
F300 60A
X1 100
X11 100
X21 +24V
FUSE A21 BOX
F01 2A
F02 15A
F03 20A
F04 2A
F05 2A
S542 TIMER FOR DIESEL HEATER FAN IN CABIN (DIESEL HEATER) PAGE.14
A542 DIESEL HEATER PAGE.14
+24V BEFORE IGNITION RELAY PAGE.5
K5A STARTRELAY 30 PAGE.5
ECM ELECTRONIC CONTROL MODULE PAGE.6
EMS ELECTRONIC MONITORING SYSTEM PAGE.6
H211-H212 ENGINE CONTROL LAMPS PAGE.6
+24V AFTER IGNITION RELAY PAGE.5
F11 10A
F12 5A
F13 10A
F14 5A
F15 7,5A
F1 20A
K4A PAGE.6
K5B PAGE.10
K330 PAGE.10
REMOTE CONTROLED WINCH PAGE.15
PLC OUTPUTS PAGE. 9
X11 +24V
RELAY K198 PAGE.13
H511, H512 WORKLIGHTS PAGE.13
H513, H514 WORKLIGHTS PAGE.13
PAGE.13
PAGE.6
NOT USED
M512, M516 WIPER AND M518 WATERPUMP PAGE.13
M517 WIPER AND M519 WATERPUMP PAGE.13
R529 CHAIR HEATER AND M520 CHAIR TIPPING PAGE.13
SPARE
SPARE
SPARE
F501 10A
F502 10A
F503 10A
F504 10A
F505 7,5A
F506 10A
F507 10A
F508 2A
F509 2A
F510 2A
F511 15A
F512 15A
KC50A/1
KC50A/5
KC50A/3
K4B PAGE.6
F2 20A
F3 20A
F5 20A
A1 ELECTRICAL CABINET
A54 AC COOL-UNIT PAGE.14
A54 AC CONDENSER-UNIT PAGE.14
A50 CABIN CONTROL BOX
M18 REFUELING PUMP PAGE.14
K198 RELAY WORKLIGHTS PAGE.12
R1 PREHEATING PAGE.5
F4 15A
F7 15A
F6 100A
X1/100
Jahan Compressor

ATLAS COPCO STANDARD / Class
EL-SYSTEM
CIRCUIT DIAGRAM - 24VDC SUPPLY
3222 3142 00
ROC D5/D7 HCS CAB CAT-E
CAD
9840 0421 99
01-05-25

Jahan Compressor





Jahan Compressor

S139

0 OFF	R NO FUNCTION	1 IGNITION	S START
.	30 - 75	30 - 75	30 - 15
.	.	30 - 15	30 - 50

CLOSED CONTACT

S452

1 METRIC UNITS	2 US UNITS
.	2 - 3

CLOSED CONTACT

THIS SIDE MARKED WITH PAINT!

Rev.	Pos.	Description	Date	Sheet
9	.	TMG041621 SHEET 1 CHANGED	040317	STK23
8	.	TMG037454, Symbol SW 5449 Sheet 14	031216	JTOK23
4	.	TMG021997, CABLE 0534 DELETED	020411	UTOU
3	.	TMG013990, PAGEREF ON K5B CHANGED	011003	UTOU
2	.	TMG013234, K336, REF.PLC-X42 ADD. & X1/9 DEL.	010831	UTOU
1	.	TMG012562, TERMINALS ON B361 CHANGED	010629	UTOU

* NOTE!! REMOVE WIRE IF REMOTE CONTROLED WINCH IS MOUNTED.
** NOTE!! REMOVE WIRE IF HQS IS MOUNTED.

ATLAS COPCO STANDARD / Class

1350 K /

ELECTRICAL SYSTEM ROC D5/D7 HCS CAB CAT-E

CIRCUIT DIAGRAM - ECM AND EMS

3222 3142 00

1102 K/

CAD

Atlas Copco

1:1

AVOTEN

9840 0421 04

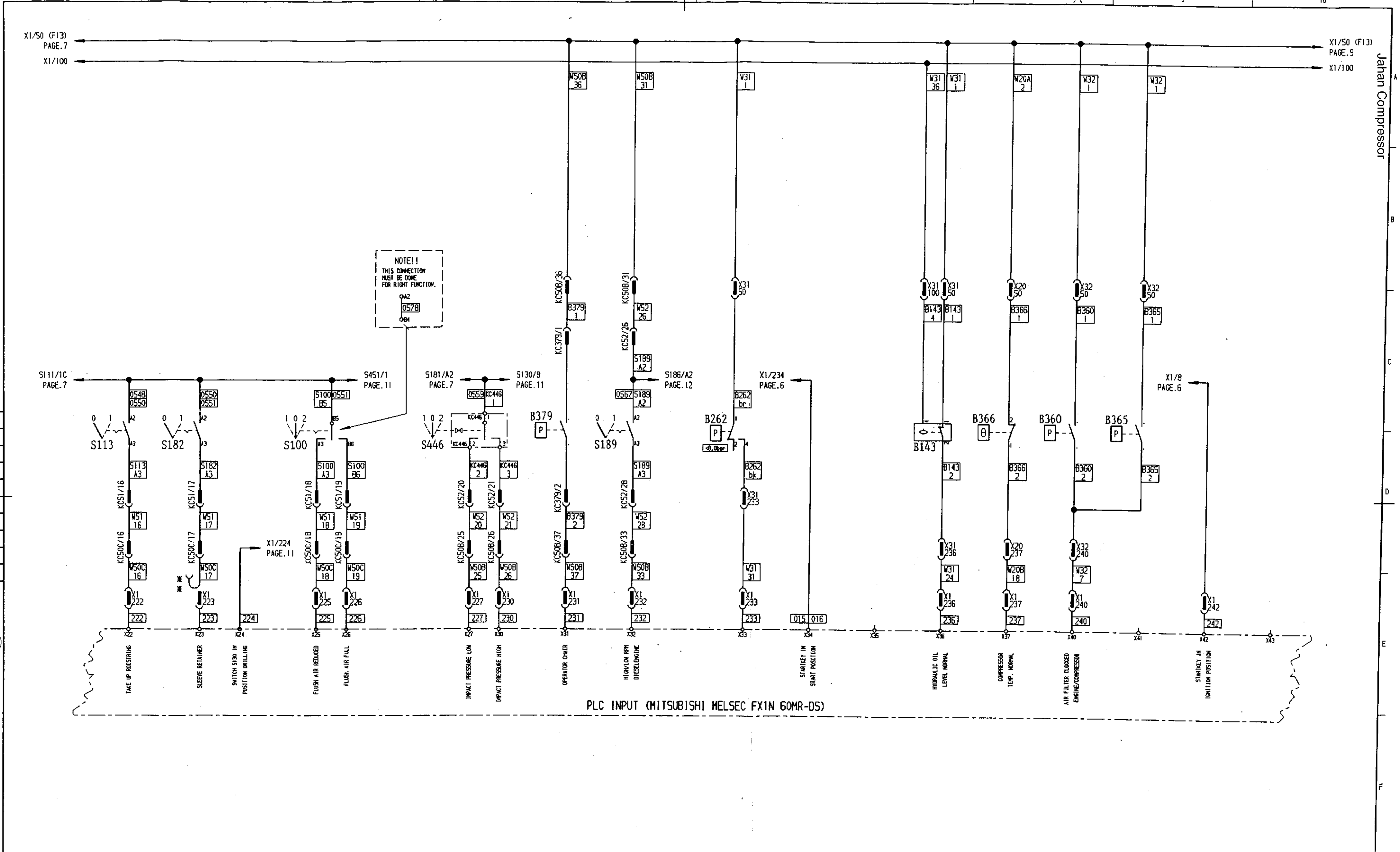
TMG

UTOU 01-05-29

9840 0421 99

6 (15)

Jahan Compressor



S100

Switch-position 1	0	2
FLUSH AIR REDUCED	OFF	FLUSH AIR FULL
B5 - A3	.	B5 - B6
Closed contact		

S446

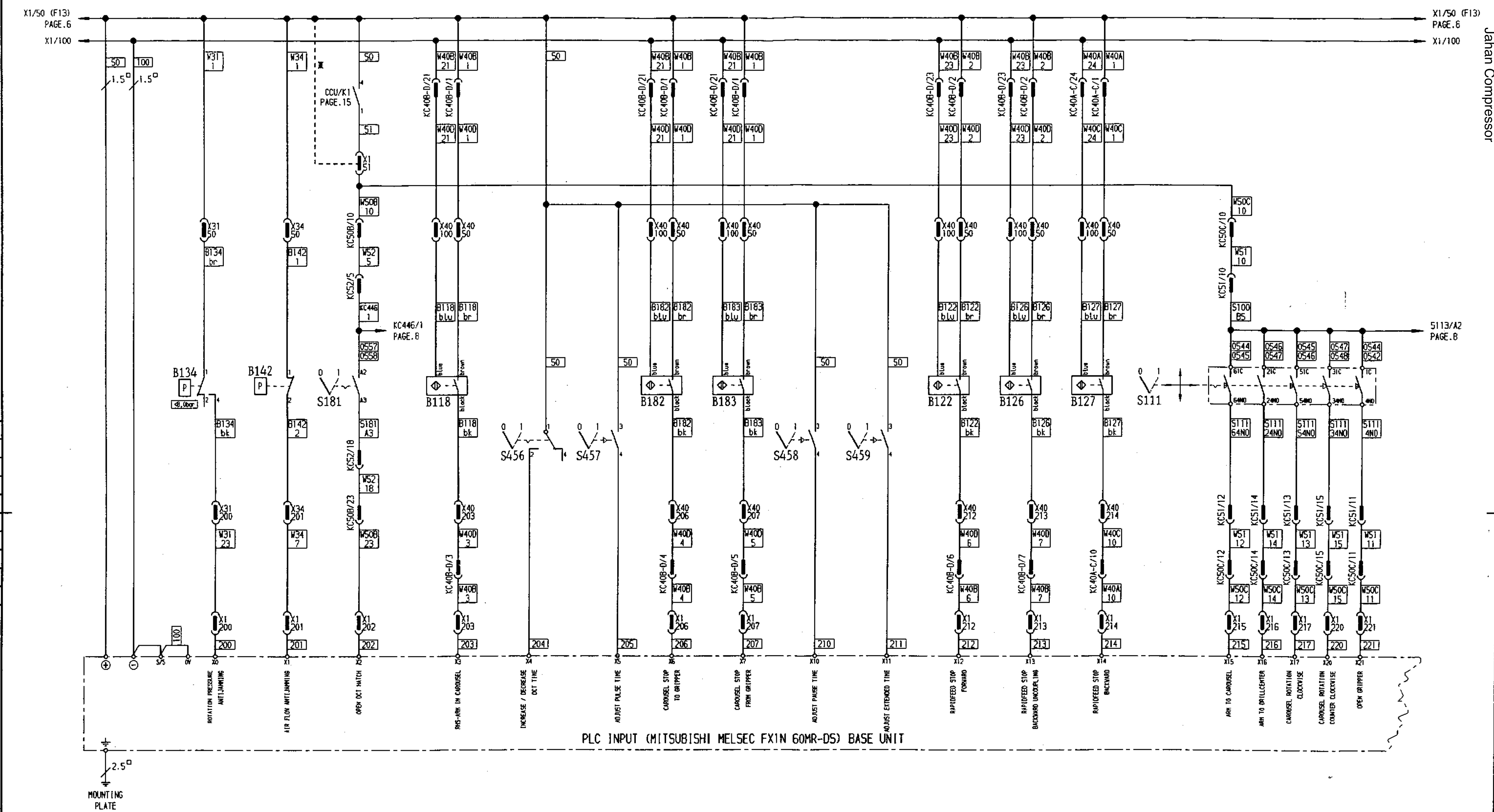
Switch-position 1	0	2
IMPACT PRESS. LOW	OFF	IMPACT PRESS. HIGH
1 - 2	.	1 - 3
Closed contact		

** NOTE!! ONLY CONNECTED TO X1/223 IF SLEEVE RETAINER IS MOUNTED.

Note	Revision	Modified Area	Date	Ver.
9	.	TMG041621 SHEET 1 CHANGED	040317	STK23
8	.	TMG037454, Symbol SW S449 Sheet 14	031216	UTOK23
5	.	TMG024223, PRESSURE SWITCH B262 ADDED	020916	UTOU
4	.	TMG021378, PLC CHANGED FROM FX0N TO FX1N	020313	UTOU
3	.	TMG020387, PAGE REF. X1/50 FROM 11 TO 9	020123	UTOK13
2	.	TMG015458, TEXT ON X42 & PG.REF. X1/8 CHANGED	020108	UTOK13
1	.	TMG013234, PART 8 & REF X42 ADD. X224 DEL.	010831	UTOU

ATLAS COPCO STANDARD / Class 1350 K /
EL-SYSTEM — ROC D5/D7 HCS CAB CAT-E
CIRCUIT DIAGRAM - PLC INPUT
3222 3142 00 — CAD
1:1 — AVOTEN — 9840 0421 32 — THG
UTOU — 01-05-29
9840 0421 99 — Sheet 8 (15)

Jahan Compressor



S111

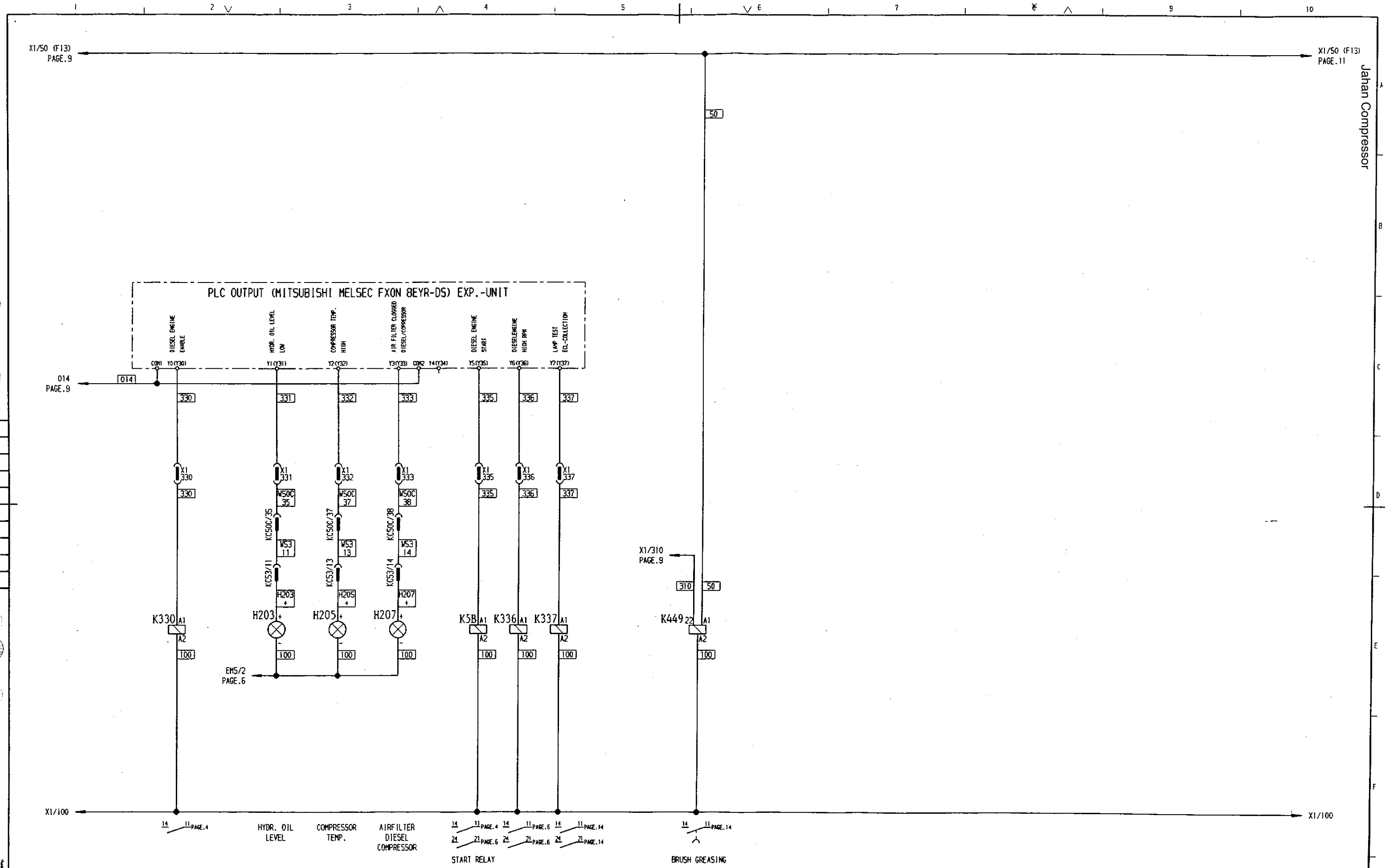
SWITCH-POSITION					
0 OFF	1 ARM TO CAROUSEL	2 CAROUSEL ROT. CCW	3 ARM TO DRILLCENTER	4 CAROUSEL ROT. CW	5 OPEN GRIPPER
.	61C-64NO	31C-34NO	21C-24NO	51C-54NO	1C-4NO
CLOSED CONTACT					

9	.	TMG041621 SHEET 1 CHANGED	040317	STK23
8	.	TMG037454, Symbol SW S449 Sheet 14	031216	UTOK23
4	.	TMG024223, B134 CHANGED TO NEW TYPE	020916	UTOU
3	.	TMG024066, CABLE W34,1 WAS W34,2	020903	UTOU
2	.	TMG021378, PLC CHANGED FROM FX0N TO FX1N	020313	UTOU
1	.	TMG013234, S456, S457, S458 & S459 ADDED	010918	UTOU

* NOTE!! REMOVE WIRE IF REMOTE CONTROLED WINCH IS MOUNTED.

ATLAS COPCO STANDARD / Class 1350 K /

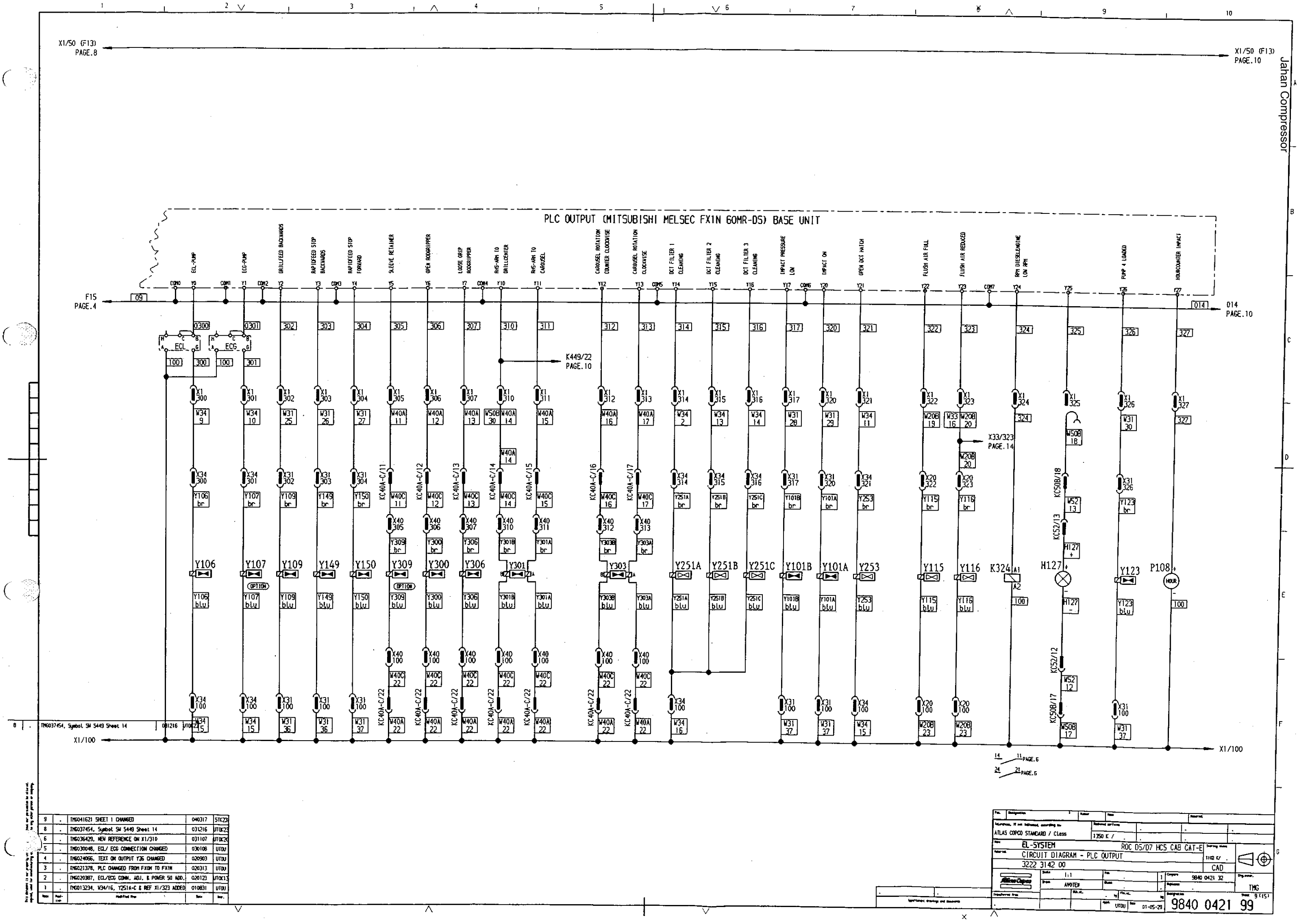
EL-SYSTEM
ROC D5/D7 HCS CAB CAT-E
CIRCUIT DIAGRAM - PLC INPUT
3222 3142 00
1102 E/ . CAD
1:1
AVOTEN
9840 0421 32
TMG
UTOU 01-05-25
9840 0421 99
7 (15)



Jahan Compressor

Rev.	Designation	Modified from	Date	Intr.
9	.	TMG041621 SHEET 1 CHANGED	040317	STK23
8	.	TMG037454, Symbol SW S449 Sheet 14	031216	JTOK23
2	.	TMG036429, K449 ADDED	031107	JTOK20
1	.	TMG015234, K5B, K336 & K337 ADDED	010903	UTOU

Tolerances, if not indicated, according to:	ATLAS COPCO STANDARD / Class
Rechtsted surfaces	1350 K /
Name	ELECTRICAL SYST ROC D5/D7 HCS CAB CAT-E
Description	CIRCUIT DIAGRAM - PLC OUTPUT
Drawing status	1102 K/
Drawing	3222 3142 00
Scale	1:1
Drawn	AVOTEN
Sheet	1
Computer	9840 0421 04
Drg. owner	TMG
Approved	UTOU
Date	01-05-29
Designation	9840 0421 99
Sheet	10 (15)



Rev	Position	Modified from	Date	Inv.
9	.	TMG041621 SHEET 1 CHANGED	040317	STK23
8	.	TMG037454, Symbol SW S449 Sheet 14	031216	UTOK23
6	.	TMG036429, NEW REFERENCE ON X1/310	031107	UTOK20
5	.	TMG030048, ECL/ ECG CONNECTION CHANGED	030108	UTOU
4	.	TMG024066, TEXT ON OUTPUT Y26 CHANGED	020903	UTOU
3	.	TMG021378, PLC CHANGED FROM FX0N TO FX1N	020313	UTOU
2	.	TMG020387, ECL/ECG CONN. ADJ. & POWER 50 ADD.	020123	UTOK13
1	.	TMG013234, W34/16, Y251A-C & REF X1/323 ADDED	010831	UTOU

ATLAS COPCO STANDARD / Class

1350 K /

EL-SYSTEM ROC D5/D7 HCS CAB CAT-E

CIRCUIT DIAGRAM - PLC OUTPUT

3222 3142 00

CAD

1:1

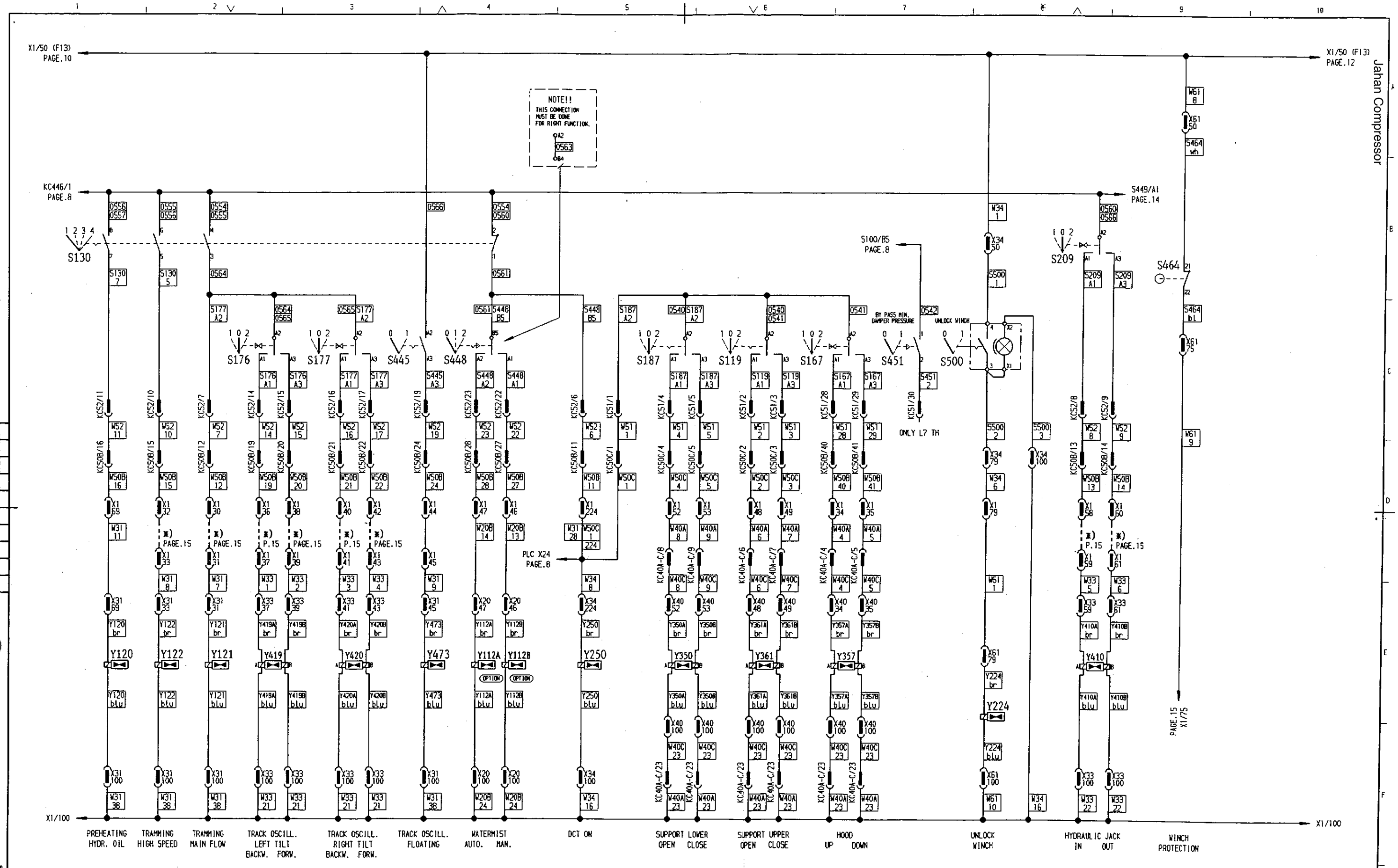
AVOTEN

9840 0421 32

TMG

UTOU 01-05-29

9840 0421 99



S130

SWITCH-POSITION			
1 DRILLING	2 TRAMMING MAIN FLOW	3 TRAMMING HIGH SPEED	4 PRE-HEATING
1 - 2	3 - 4	3 - 4	3 - 4
.	.	5 - 6	7 - 8
CLOSED CONTACT			

S176

SWITCH-POSITION		
1 TRACK LEFT TILT BACKW.	0 OFF	2 TRACK LEFT TILT FORW.
A2 - A1	.	A2 - A3
CLOSED CONTACT		

S177

SWITCH-POSITION		
1 TRACK LEFT TILT BACKW.	0 OFF	2 TRACK LEFT TILT FORW.
A2 - A1	.	A2 - A3
CLOSED CONTACT		

S448

SWITCH-POSITION		
0 OFF	1 WATERMIST AUTO	2 WATERMIST MAN
.	B5 - A2	B5 - A1
.	.	B5 - A2
CLOSED CONTACT		

S187

SWITCH-POSITION		
1 SUPPORT LD. OPEN	0 OFF	2 SUPPORT LD. CLOSE
A2 - A1	.	A2 - A3
CLOSED CONTACT		

S119

SWITCH-POSITION		
1 SUPPORT UP. OPEN	0 OFF	2 SUPPORT UP. CLOSE
A2 - A1	.	A2 - A3
CLOSED CONTACT		

S167

SWITCH-POSITION		
1 HOOD UP	0 OFF	2 HOOD DOWN
A2 - A1	.	A2 - A3
CLOSED CONTACT		

S209

SWITCH-POSITION		
1 HYDRAULIC JACK IN	0 OFF	2 HYDRAULIC JACK OUT
A2 - A1	.	A2 - A3
CLOSED CONTACT		

*) NOTE!! REMOVE WIRE IF REMOTE CONTROLED WINCH IS MOUNTED.

Rev.	Designation	Number	Date	Patent
9	.	TMG041621 SHEET 1 CHANGED	040317	STK23
8	.	TMG037454, Symbol SW S449 Sheet 14	031216	UTOK23
5	.	TMG036429, PAGE REF. X1/50 FROM 9 TO 10	031110	UTOK20
4	.	TMG024066, CIRCUIT S464 CHANGED	020903	UTOU
3	.	TMG022510, CIRCUIT FOR S464 ADDED	020506	UTOU
2	.	TMG020387, PAGE REF. X1/50 FROM 8 TO 9	020122	UTOK13
1	.	TMG013234, A35,Y251x DEL.& W33/15,16 TO 21,22	010919	UTOU

Rev. | Designation | Number | Date | Patent

Reference, if not indicated, according to: ATLAS COPCO STANDARD / Class

Reduced surface: 1350 K /

Name: ILECTRICAL SYST ROC D5/D7 HCS CAB CAT-E

Reference: CIRCUIT DIAGRAM - DRILLING AND TRAMMING

3222 3142 00

Scale: 1:1 | Drawn: AVOTEN | Approved: UTOU | Date: 01-05-29

Sheet: 11(15)

Designation: 9840 0421 99

Drg. number: TMG

Computer: 9840 0421 32

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