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ABB Automation Technologies AB Robotics SE-721 68 Västerås Sweden

Latest revision: Rev. 07 CM 500000056877

Prepared by, date: THSTA, 2013-05-08 Approved by, date: MATO, 2013-05-08 ABB SWC IRC5 M2004 COPYRIGHT PAGE SPOT PACK

Plant: Status: **APPROVED** Document no.

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Latest revision:

Rev. 07
CM 500000056877

Prepared by, date: THSTA, 2013-05-08 Approved by, date: MATO, 2013-05-08

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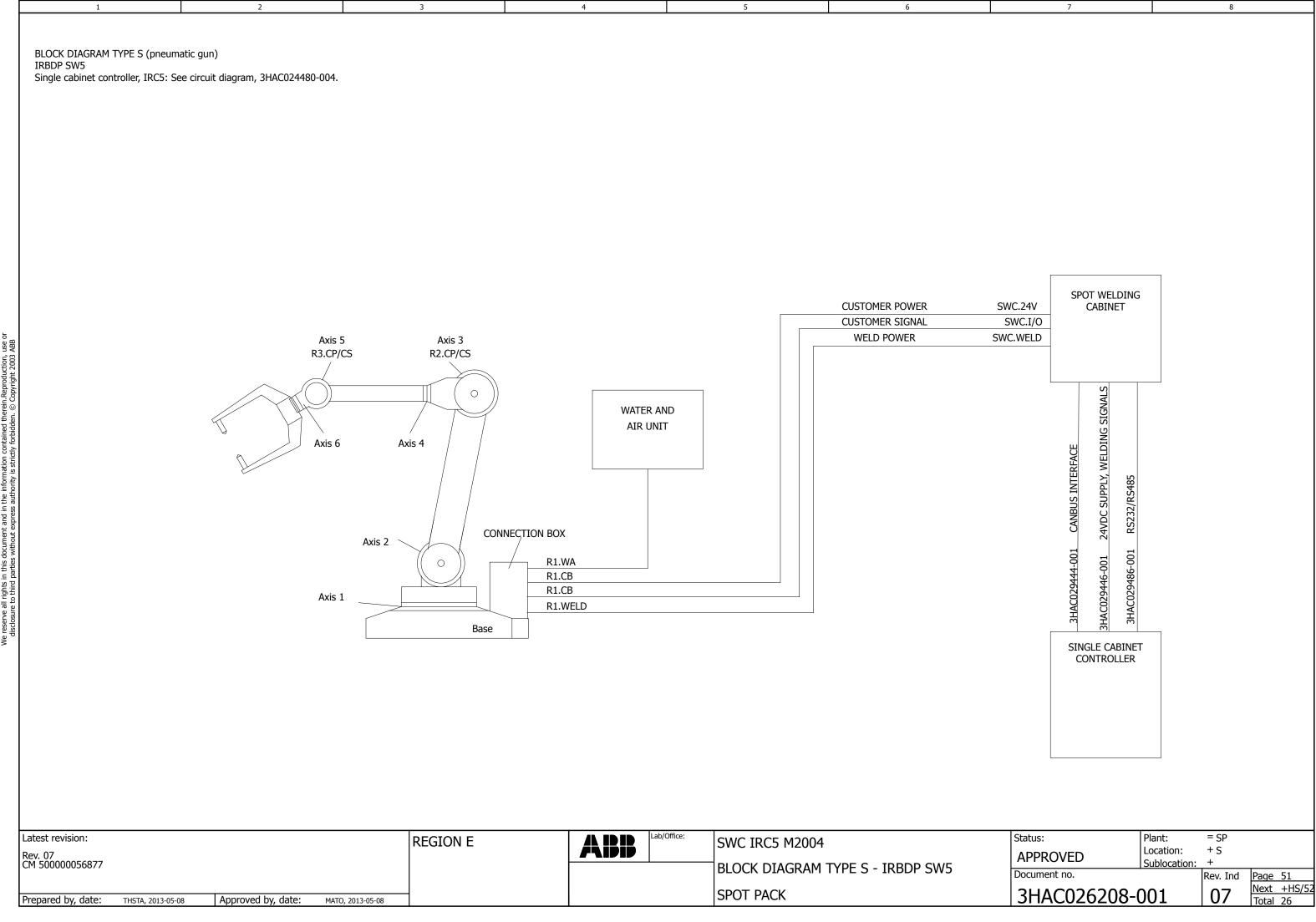
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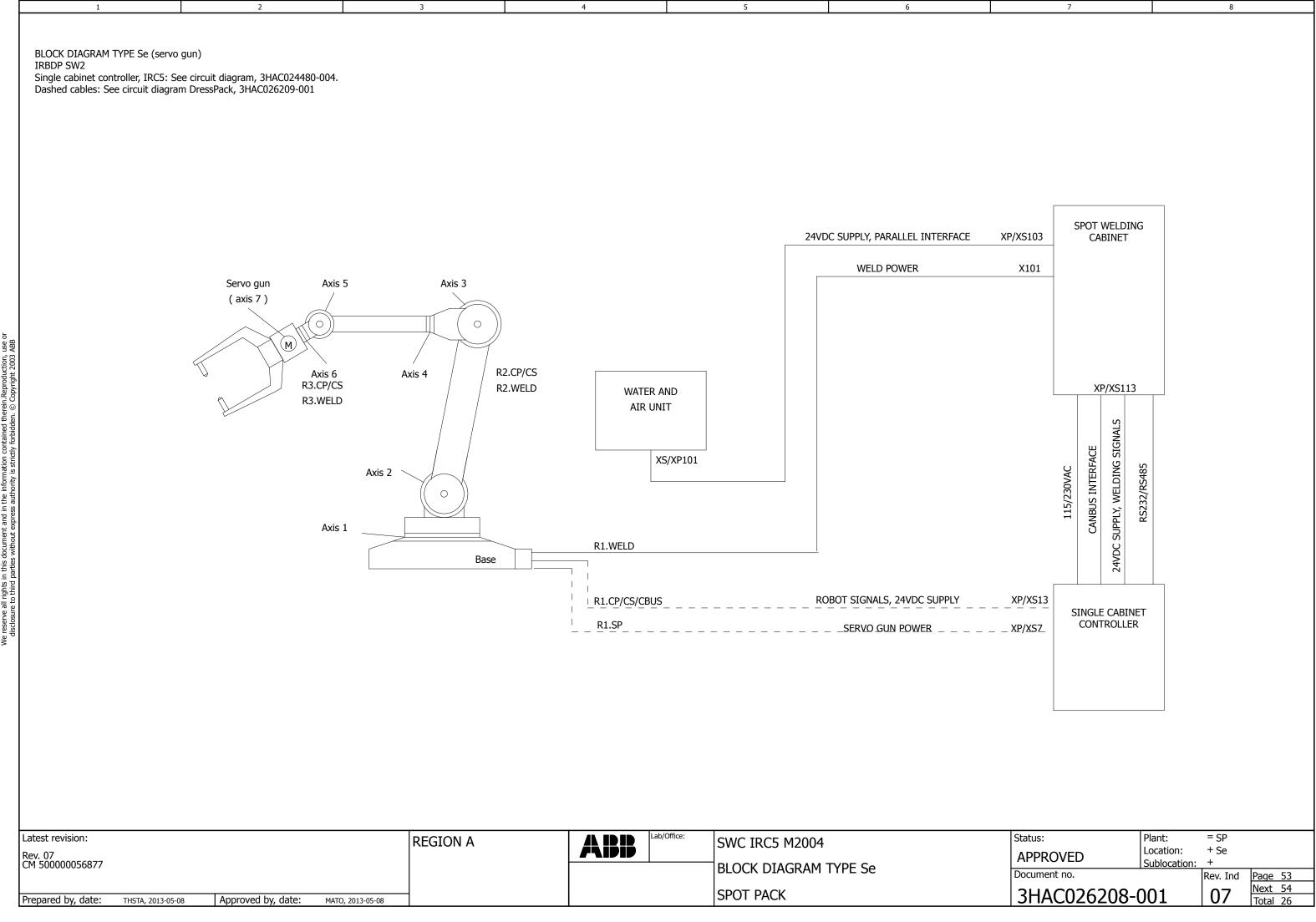
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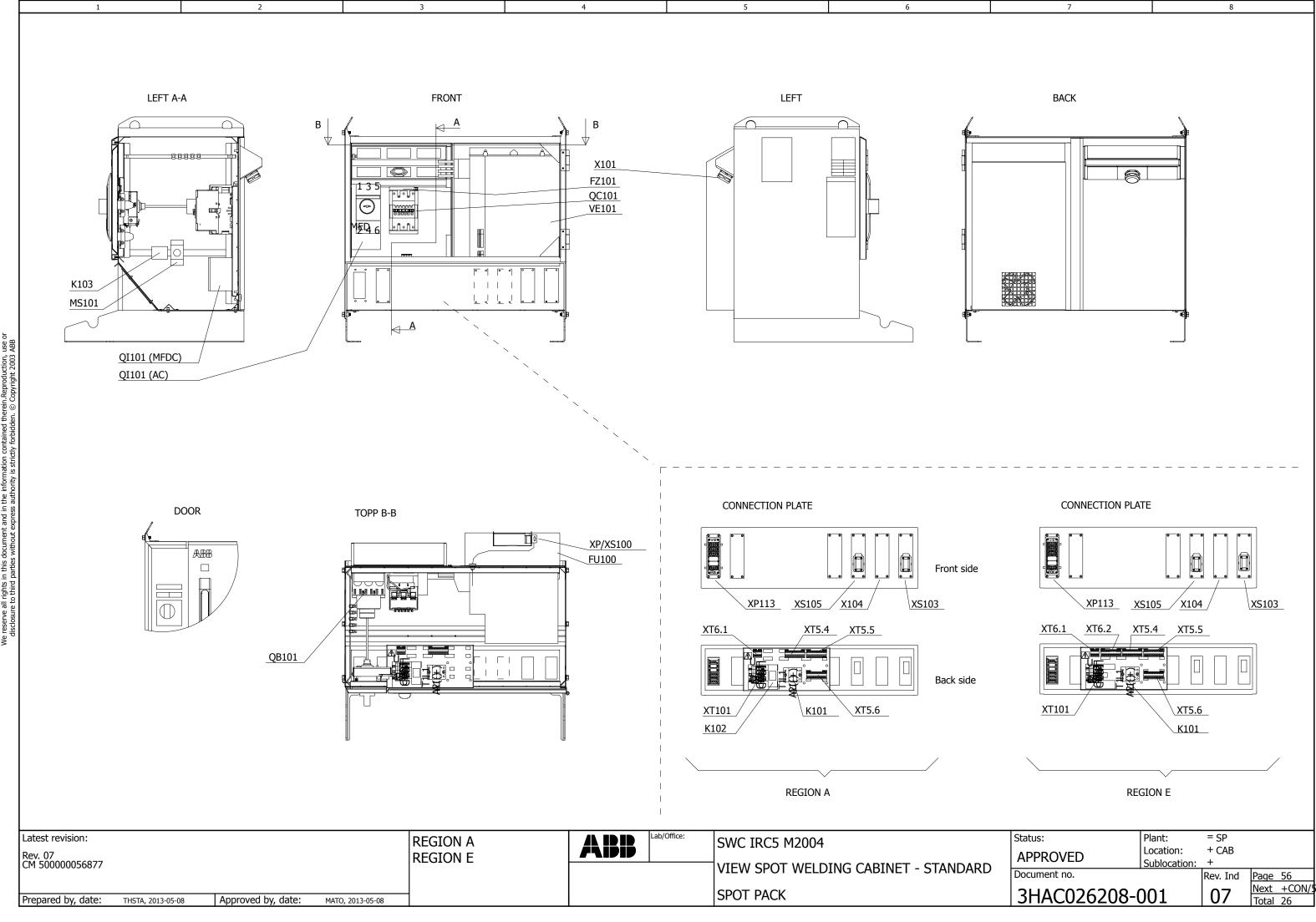


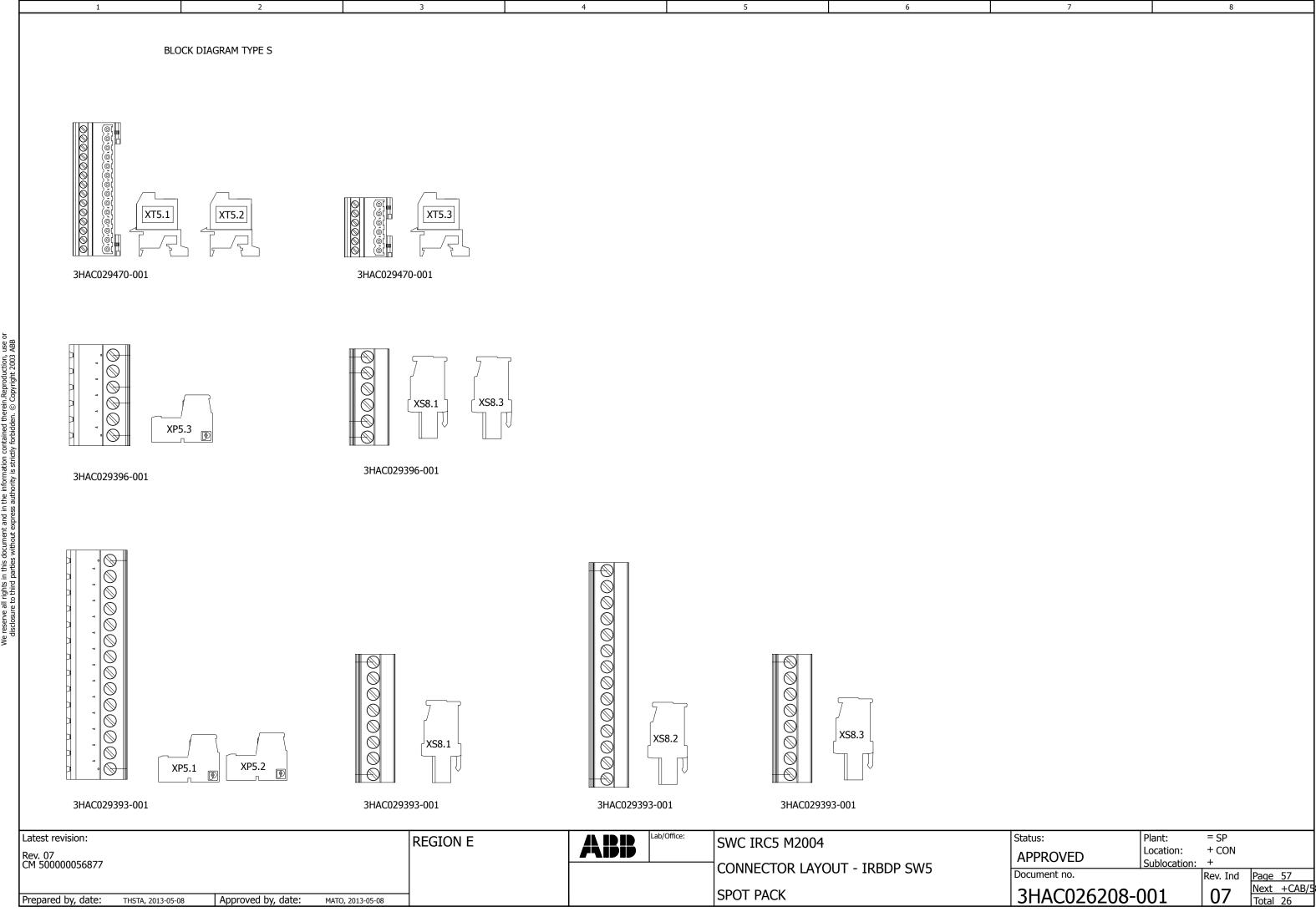
BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun) IRBDP SW2 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004. Dashed cables: See circuit diagram DressPack, 3HAC026209-001 SPOT WELDING 24VDC SUPPLY, PARALLEL INTERFACE, PROP. VALVE XP/XS103 **CABINET** Axis 3 Axis 5 X101 R2.CP/CS R3.CP/CS X104 0 XP/XS113 WATER AND AIR UNIT 24VDC SUPPLY, WELDING SIGNALS Axis 4 Axis 6 CANBUS INTERFACE XS/XP101 Axis 2 Axis 1 ROBOT SIGNALS, 24VDC SUPPLY XP/XS13 R1.CP/CS/CBUS Base SINGLE CABINET CONTROLLER **PEDESTAL** GUN WELD POWER SG.WELD WELDING SIGNALS, 24VDC SUPPLY SG.CP/CS Plant: = SP Latest revision: REGION E & A ABB Status: SWC IRC5 M2004 + HS Location: Rev. 07 CM 500000056877 **APPROVED** Sublocation: BLOCK DIAGRAM TYPE HS Document no. Rev. Ind Page 52 Next +Se/53 3HAC026208-001 07 SPOT PACK Prepared by, date: Approved by, date: THSTA, 2013-05-08 MATO, 2013-05-08

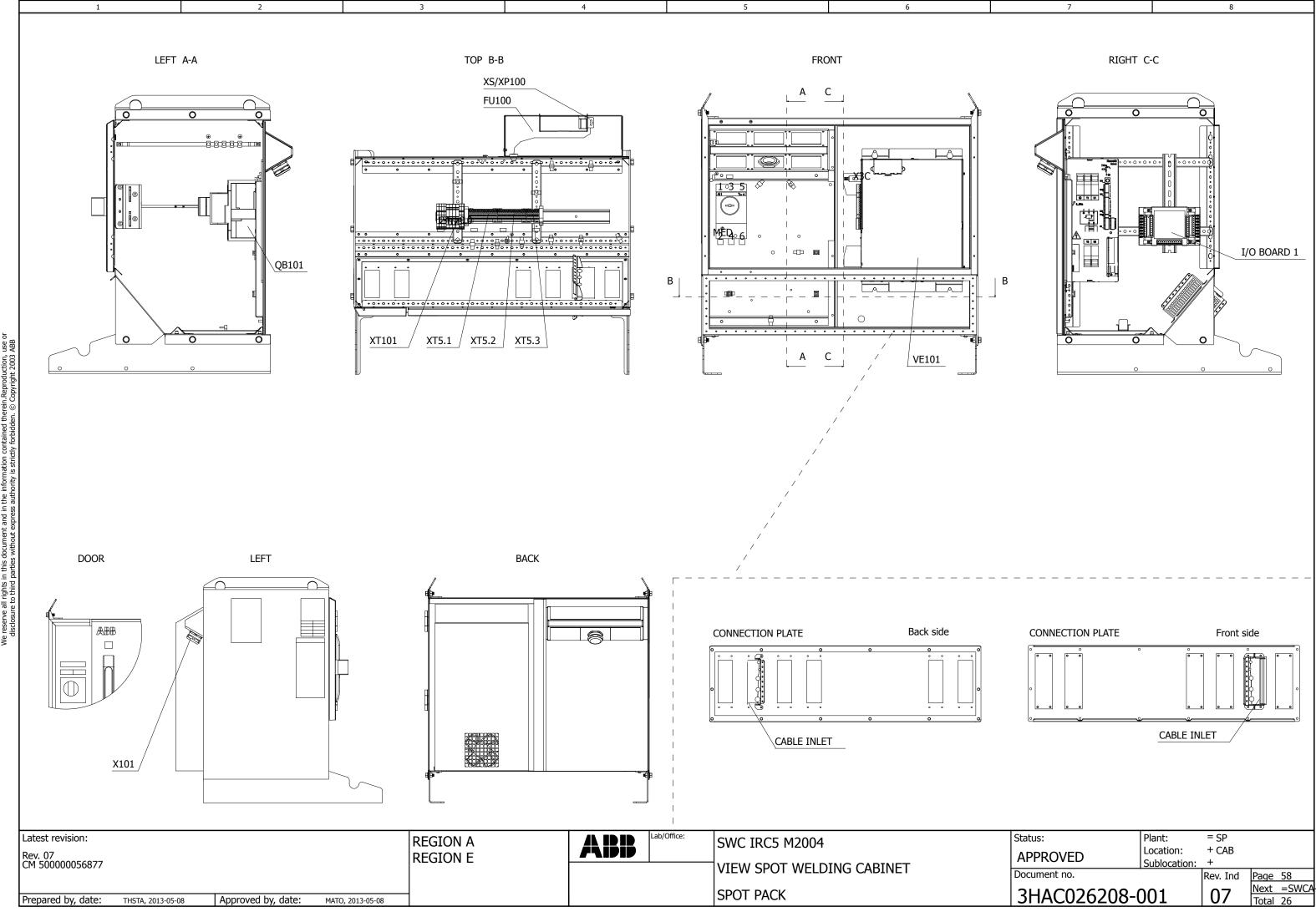


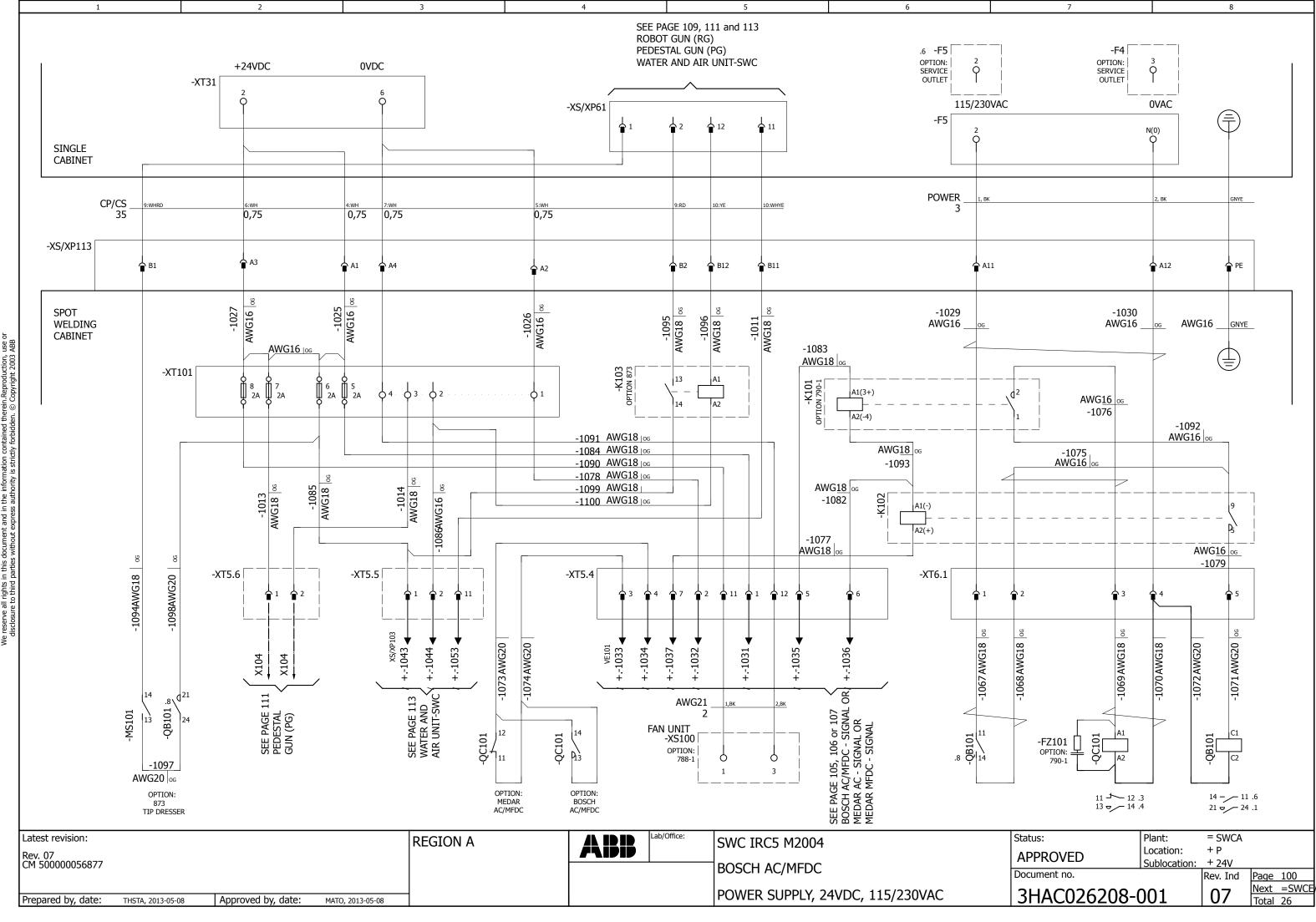
BLOCK DIAGRAM TYPE Se (servo gun) **IRBDP SW5** Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004. Dashed cables: See circuit diagram DressPack, 3HAC026209-001 SPOT WELDING **CUSTOMER POWER** SWC.24V **CABINET** CUSTOMER SIGNAL SWC.I/O WELD POWER SWC.WELD Servo gun Axis 5 Axis 3 (axis 7) 24VDC SUPPLY, WELDING SIGNALS 0 \circ WATER AND AIR UNIT R2.CP/CS Axis 6 Axis 4 R3.CP/CS R2.WELD R3.WELD CONNECTION BOX Axis 2 R1.CB R1.CB R1.CB Axis 1 R1.WELD _R1.SP_ SERVO_GUN_POWER _ _ _ _ _ _ _XP/XS7 Base SINGLE CABINET CONTROLLER = SP Plant: Latest revision: Status: REGION E ABB SWC IRC5 M2004 + Se Location: Rev. 07 CM 500000056877 **APPROVED** Sublocation: BLOCK DIAGRAM TYPE Se - IRBDP SW5 Document no. Page 54 Rev. Ind Next +HSe/5 3HAC026208-001 SPOT PACK 07 Prepared by, date: THSTA, 2013-05-08 Approved by, date: MATO, 2013-05-08

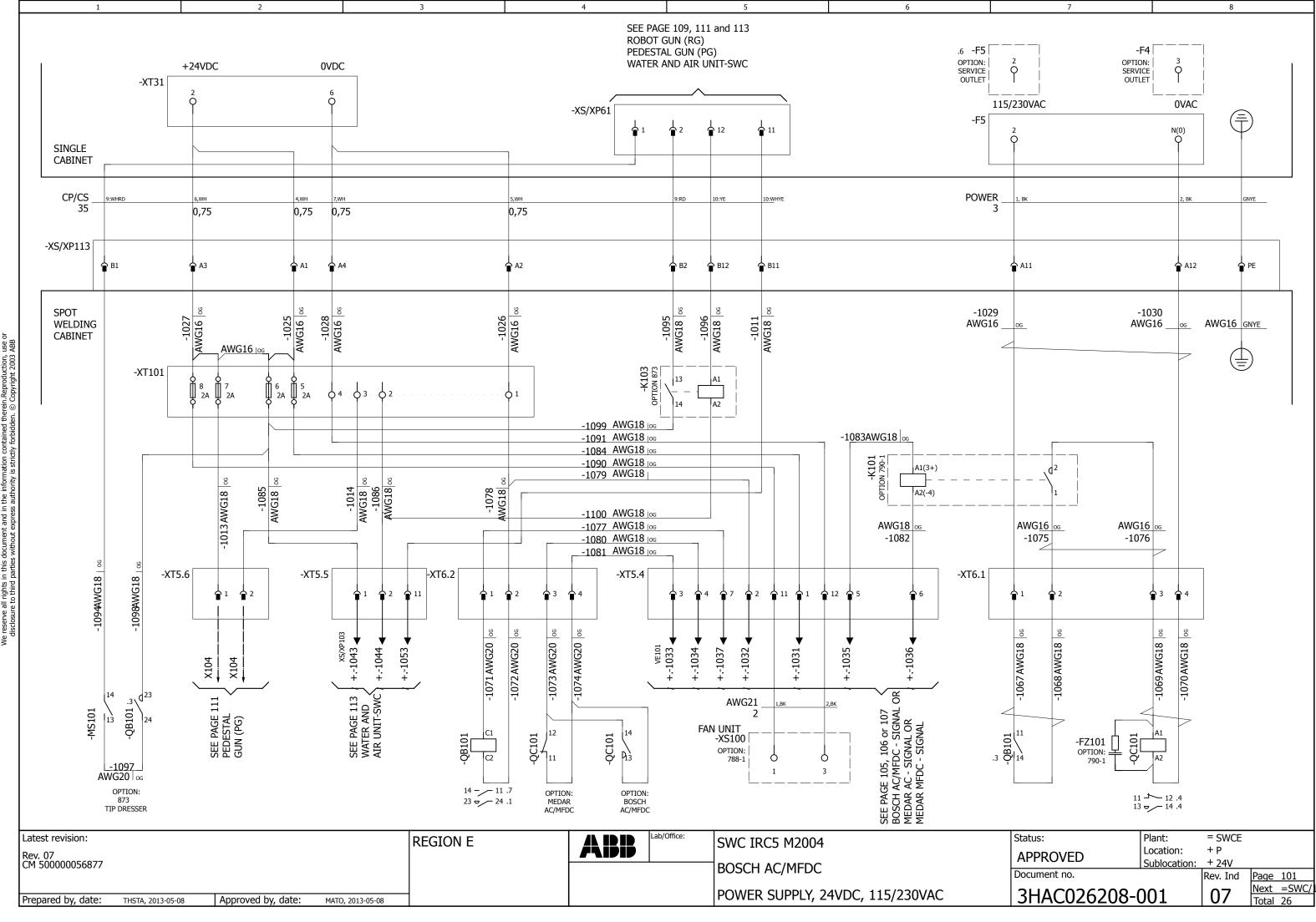
BLOCK DIAGRAM TYPE HSe (material handling and servo gun) IRBDP SW2 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004. Dashed cables: See circuit diagram DressPack, 3HAC026209-001 24VDC SUPPLY, PARALLEL INTERFACE, PROP. VALVEXP/XS103 SPOT WELDING CABINET Axis 5 X101 Axis 3 X104 0 XP/XS113 WATER AND AIR UNIT R2.CP/CS 24VDC SUPPLY, WELDING SIGNALS Axis 4 Axis 6 R3.CP/CS R2.WELD R3.WELD CANBUS INTERFACE XS/XP101 Axis 2 Axis 1 R1.CP/CS/CBUS XP/XS13 ROBOT SIGNALS, 24VDC SUPPLY Base SINGLE CABINET Servo gun CONTROLLER (axis 7) R3.FB7 PEDESTAL FB.M7 RESOLVER/SMB SIGNALS (M)GUN XP/XS7 R1.SP POWER SERVOGUN SG.WELD WELD POWER SG.CP/CS WELDING SIGNALS, 24VDC SUPPLY Plant: = SP Latest revision: **REGION A** ABB Status: SWC IRC5 M2004 + HSe Location: Rev. 07 CM 500000056877 **APPROVED** Sublocation: **BLOCK DIAGRAM TYPE HSe** Document no. Rev. Ind Page 55 Next +CAB/5 3HAC026208-001 07 SPOT PACK Approved by, date: Prepared by, date: THSTA, 2013-05-08 MATO, 2013-05-08

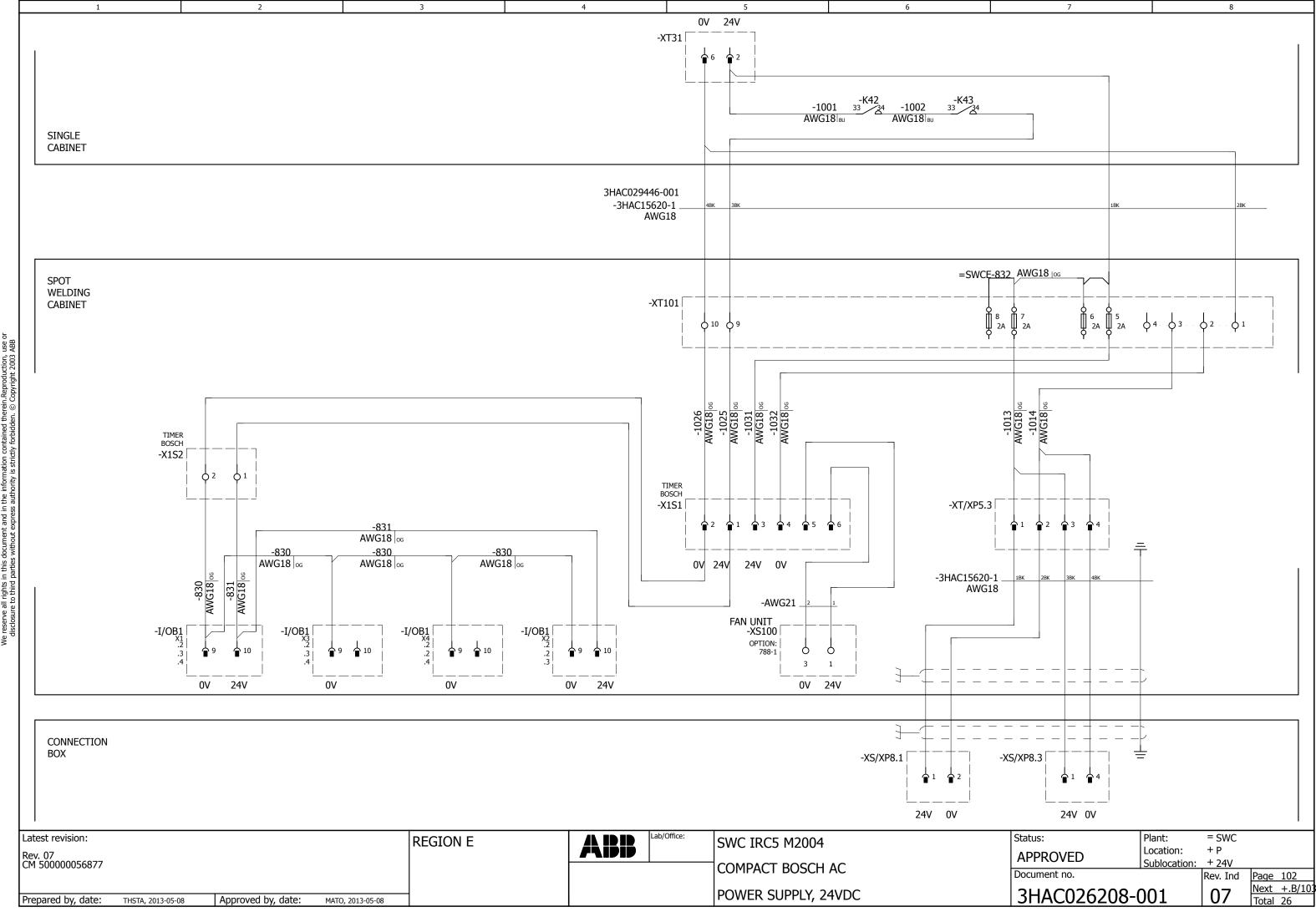


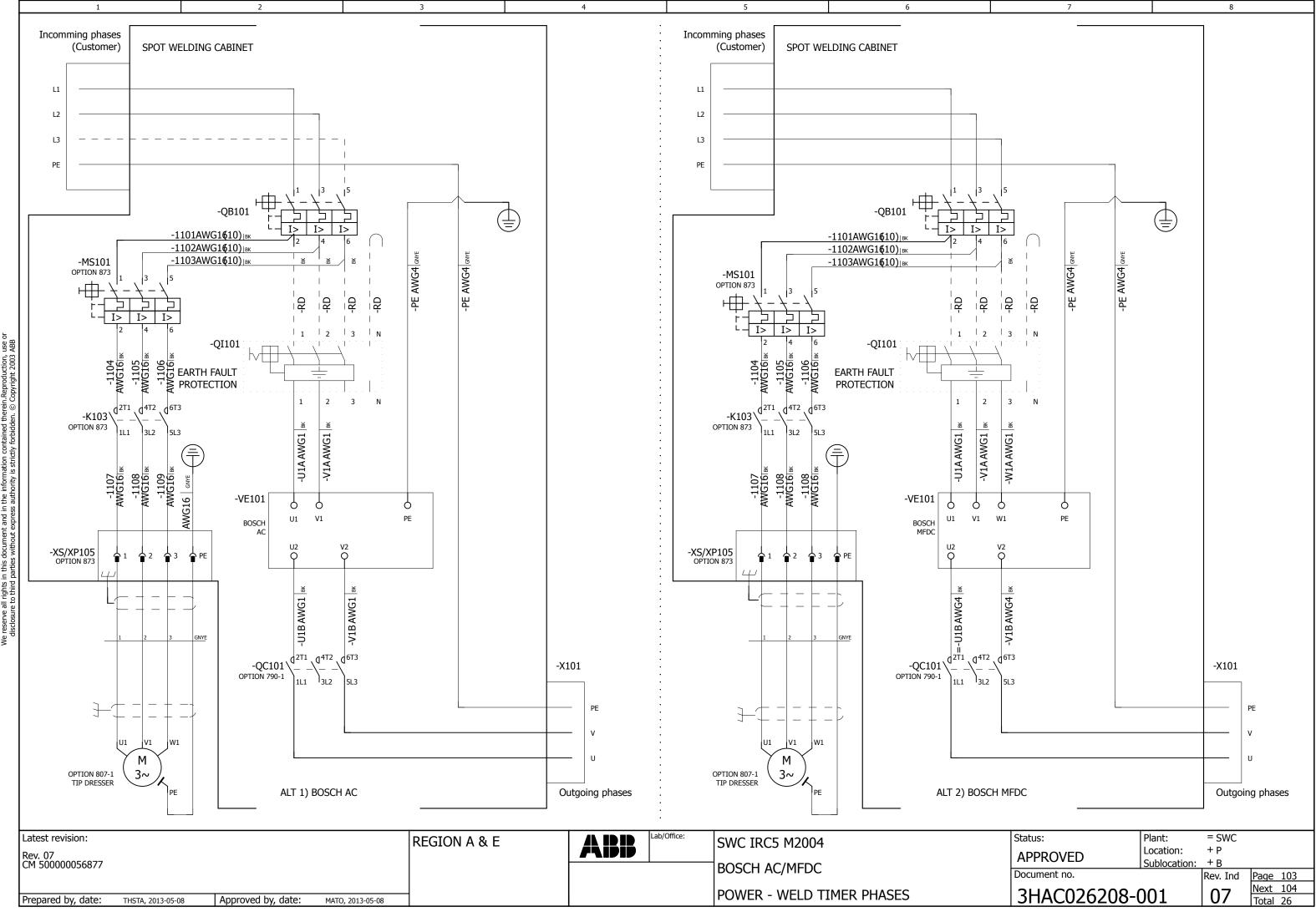


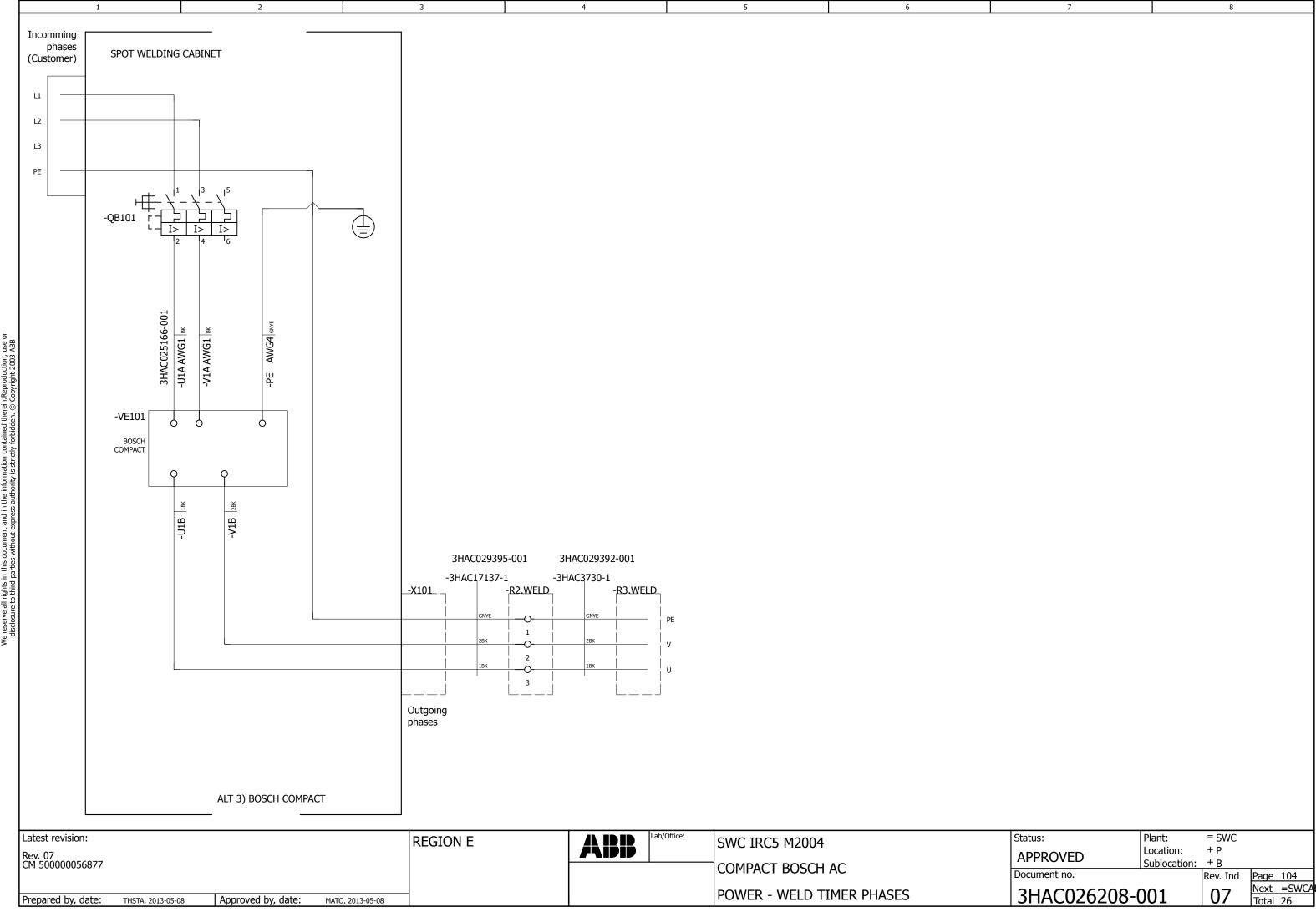


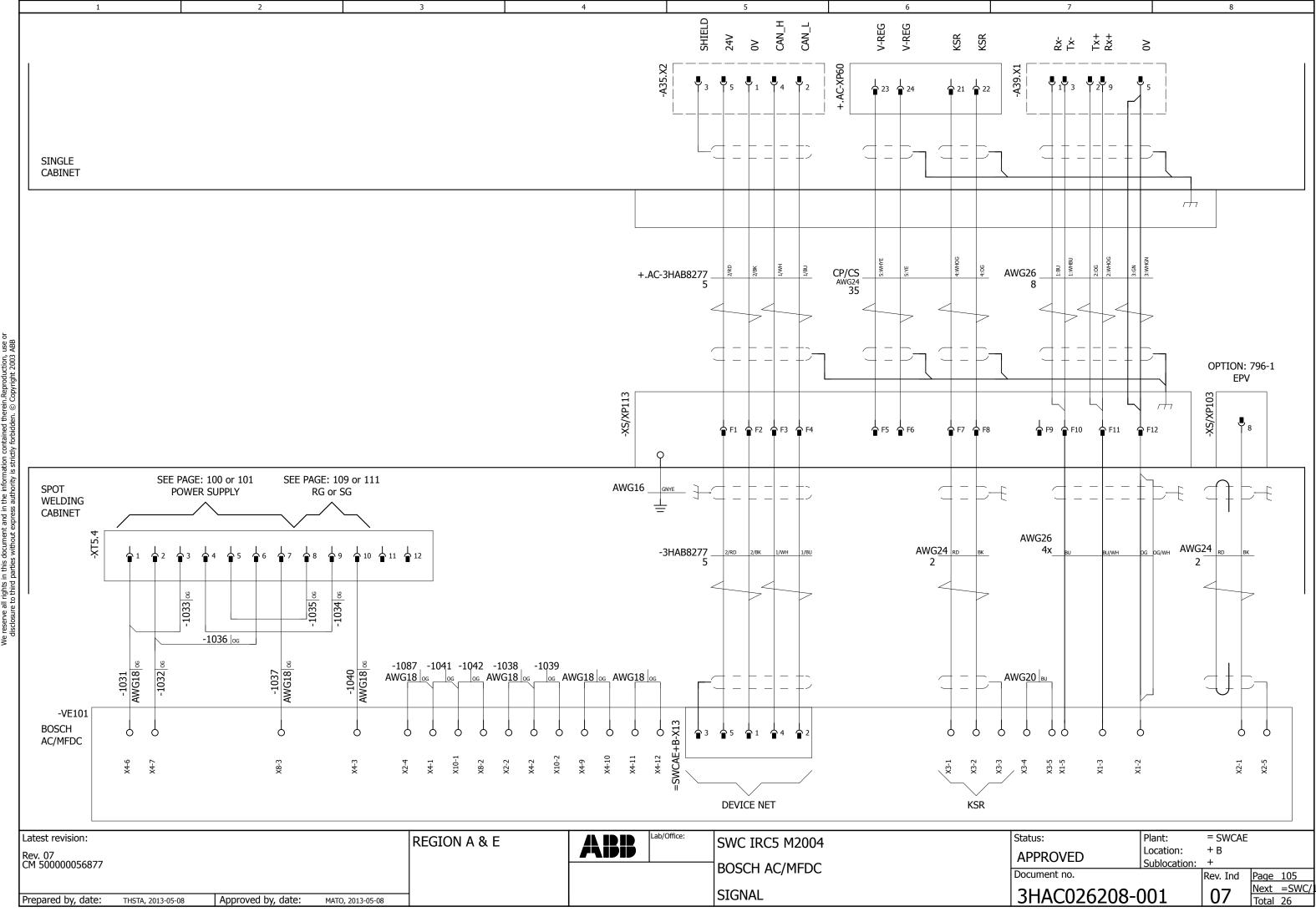


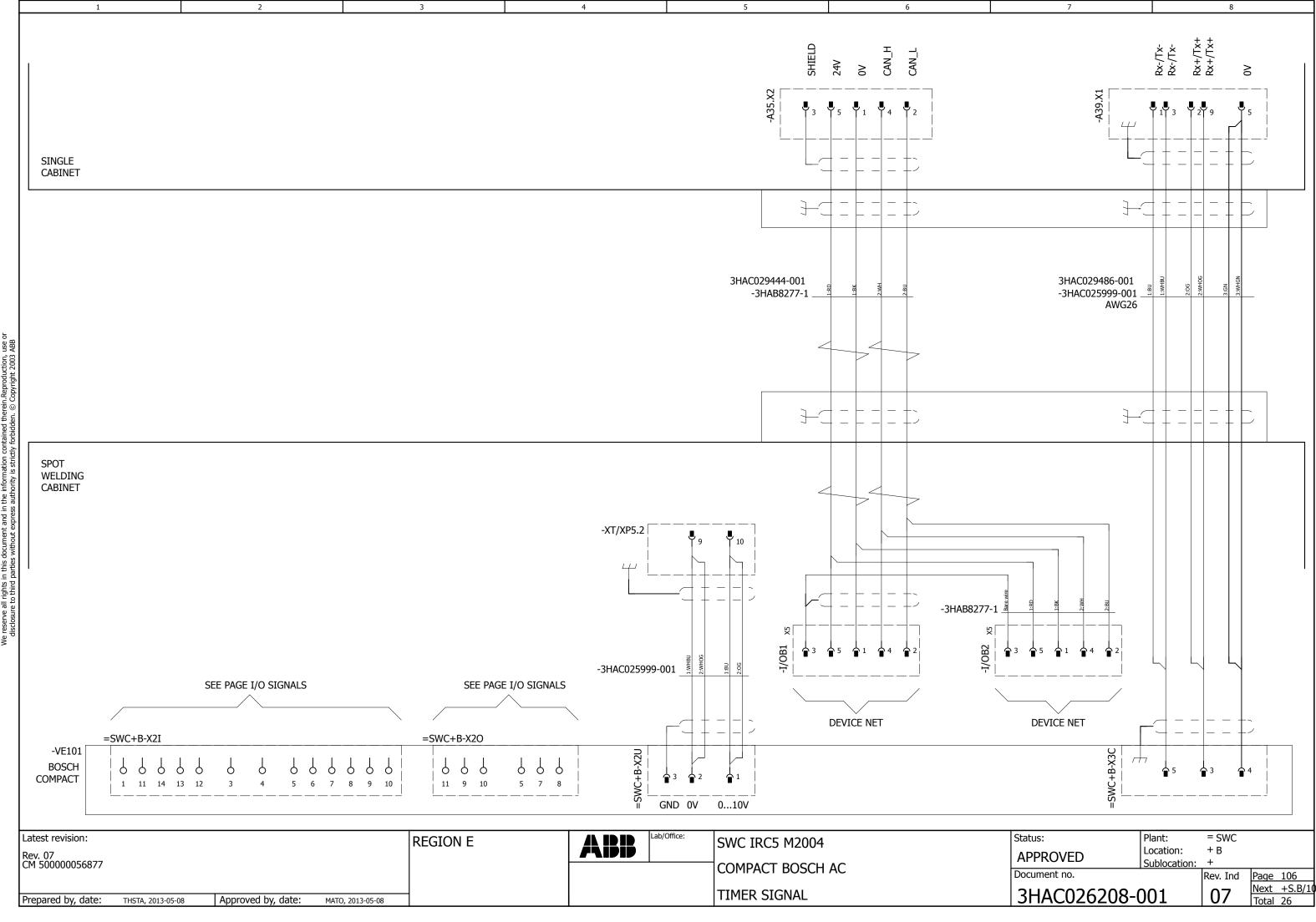


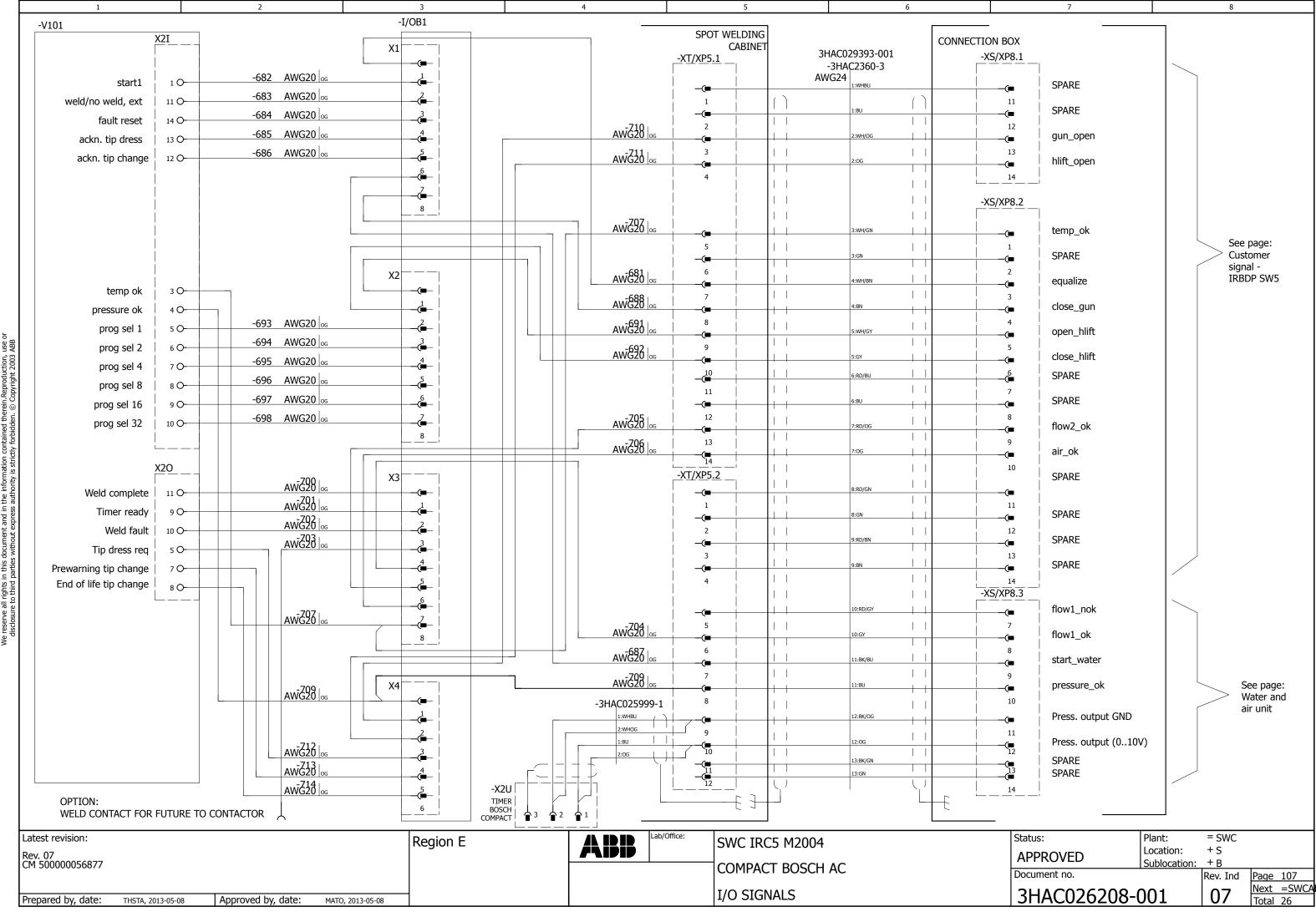


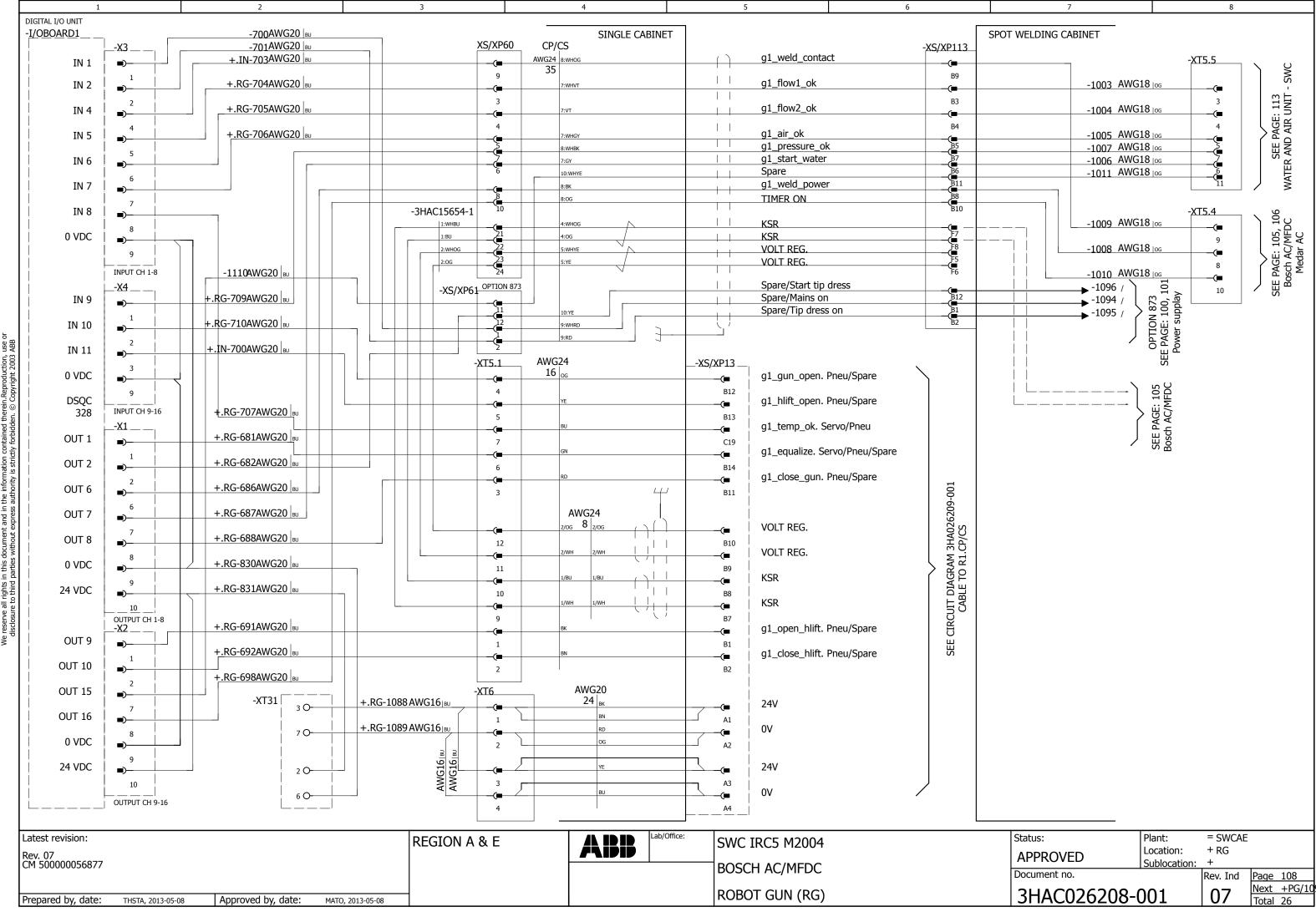


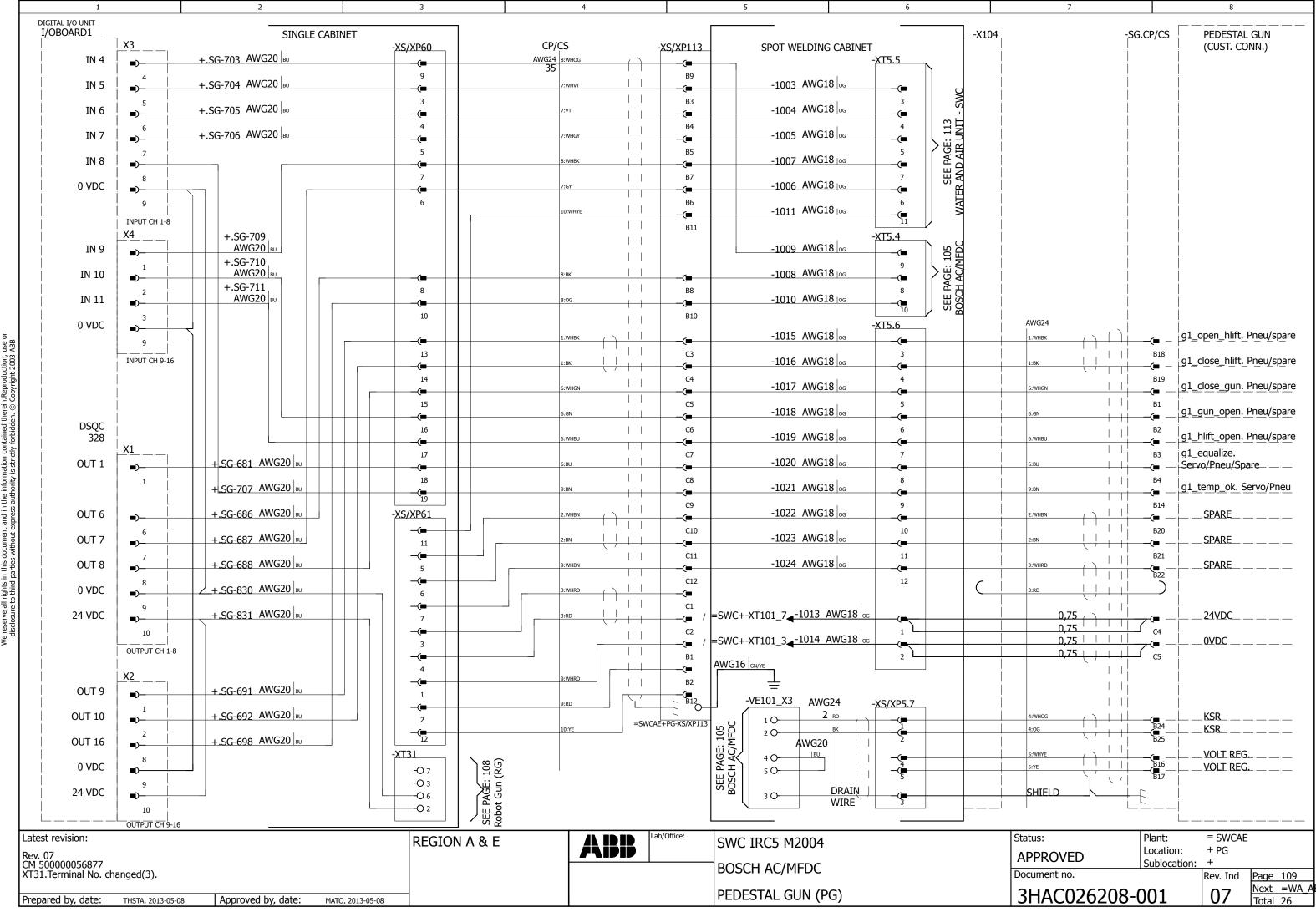


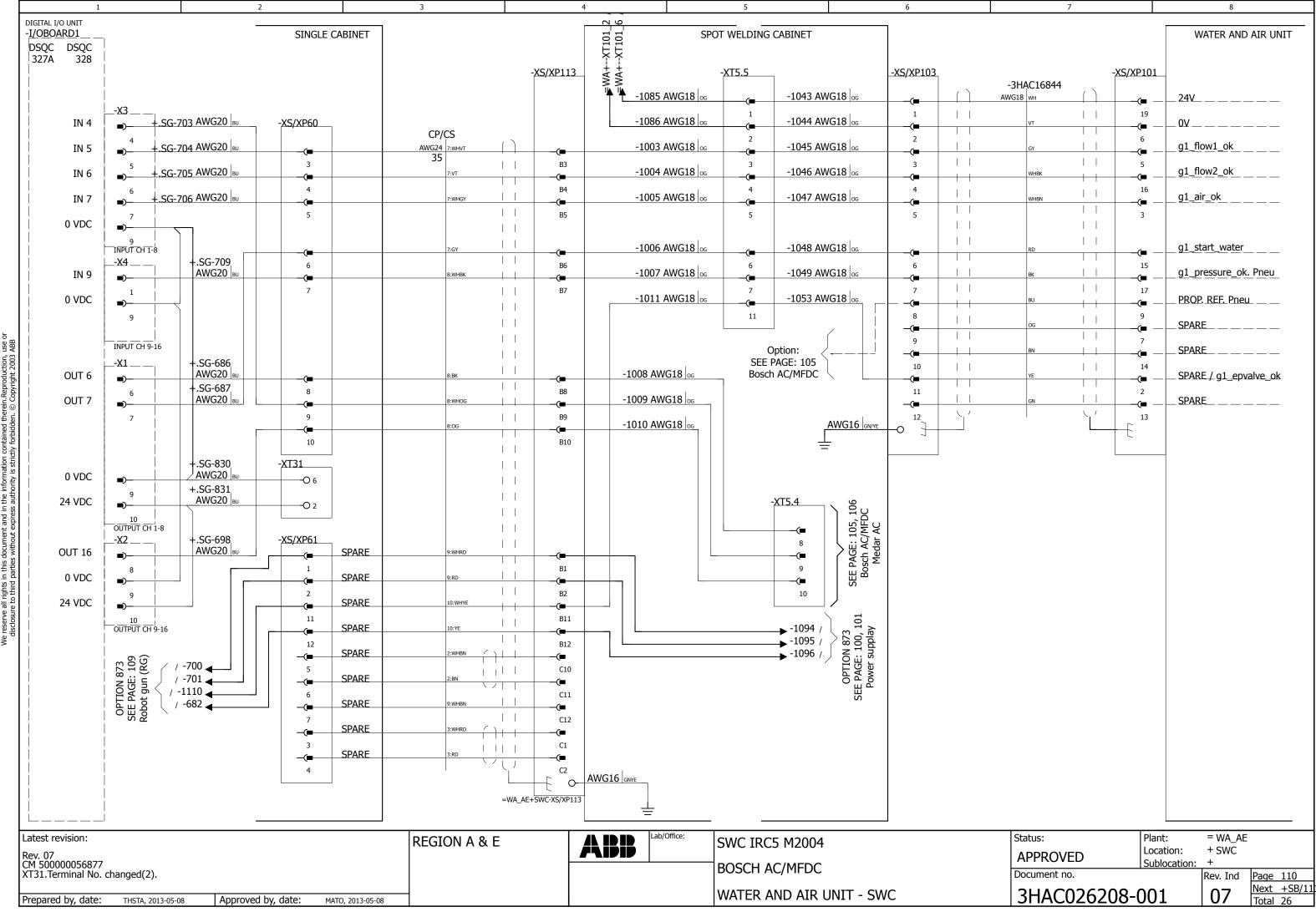


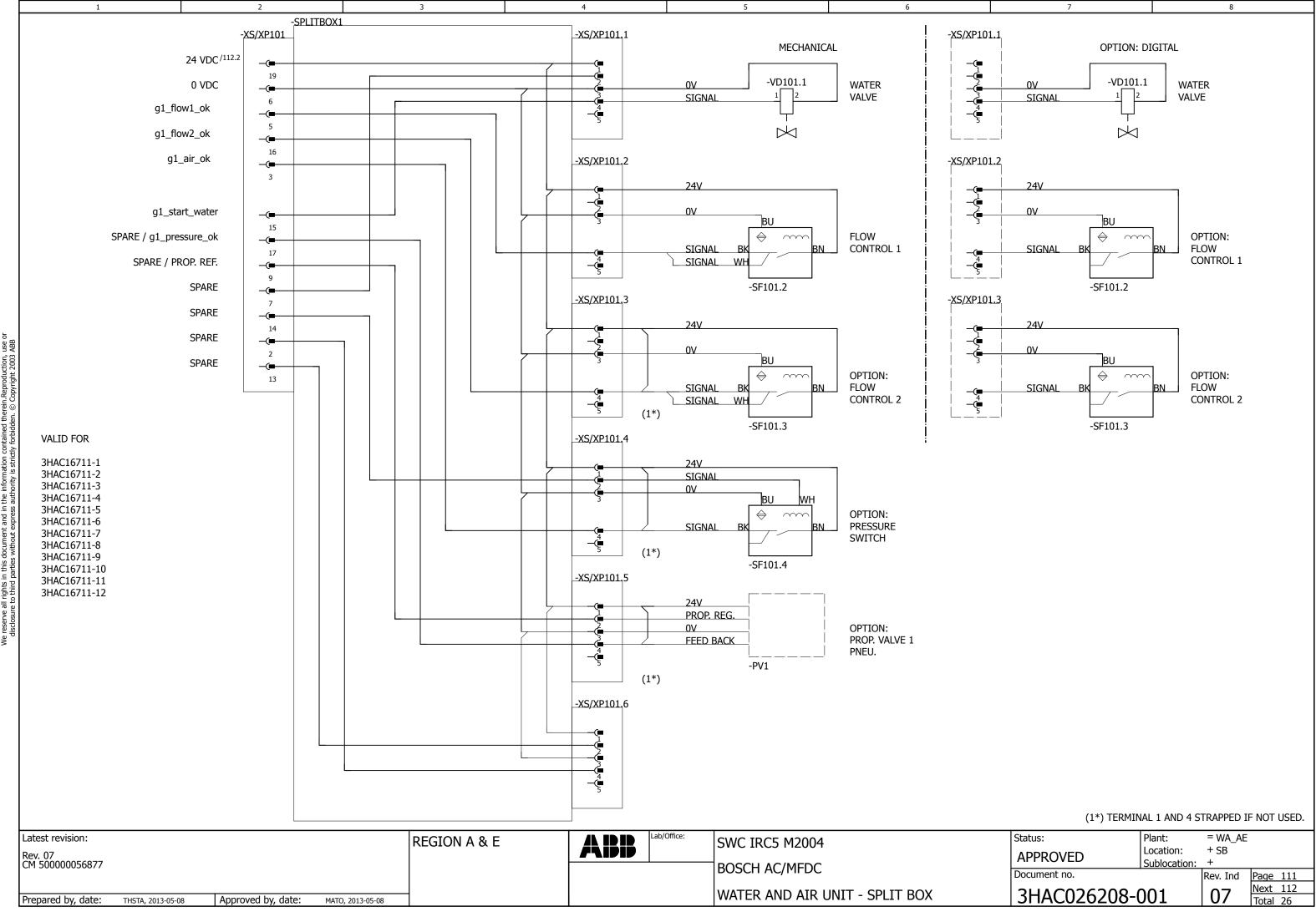


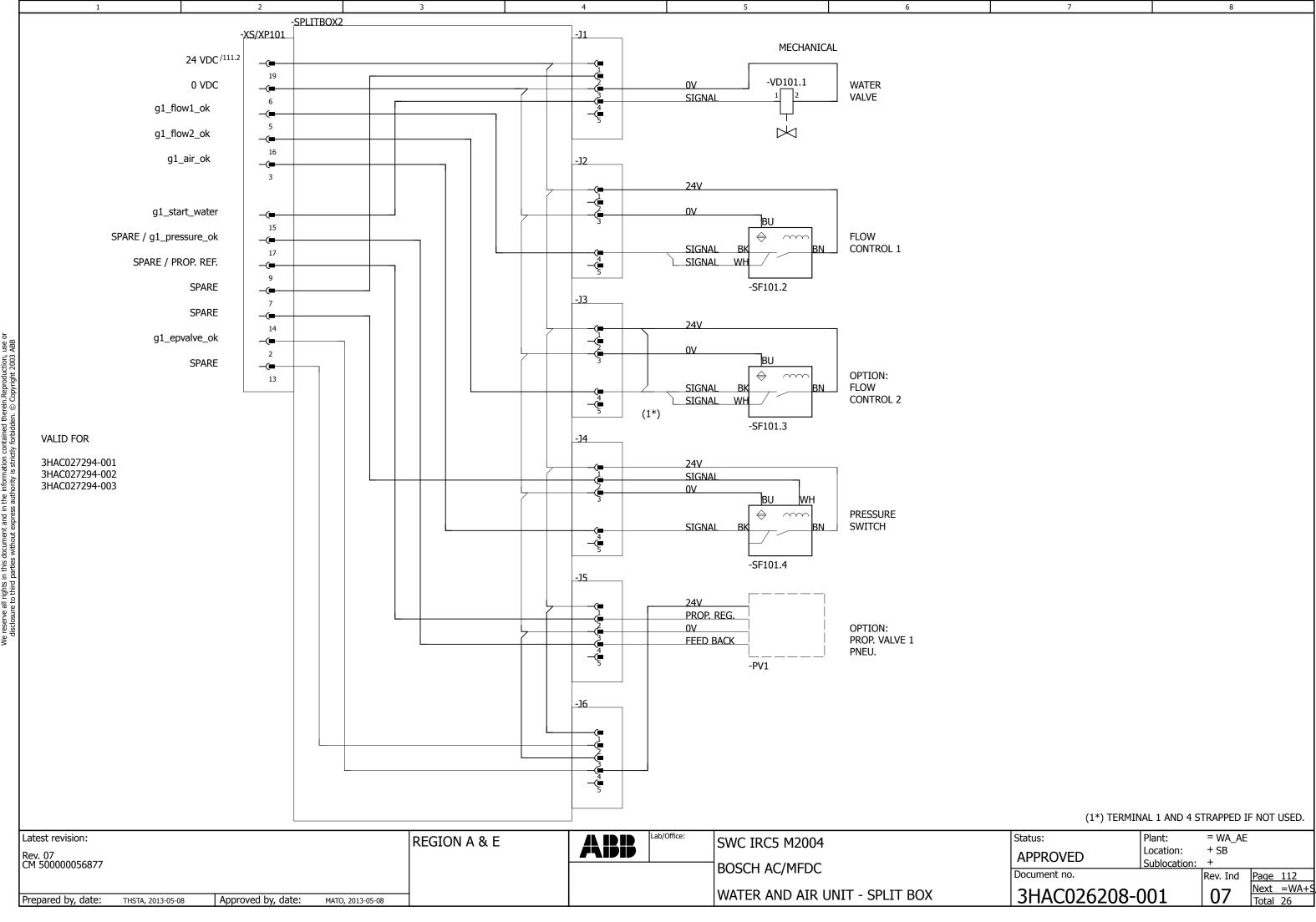


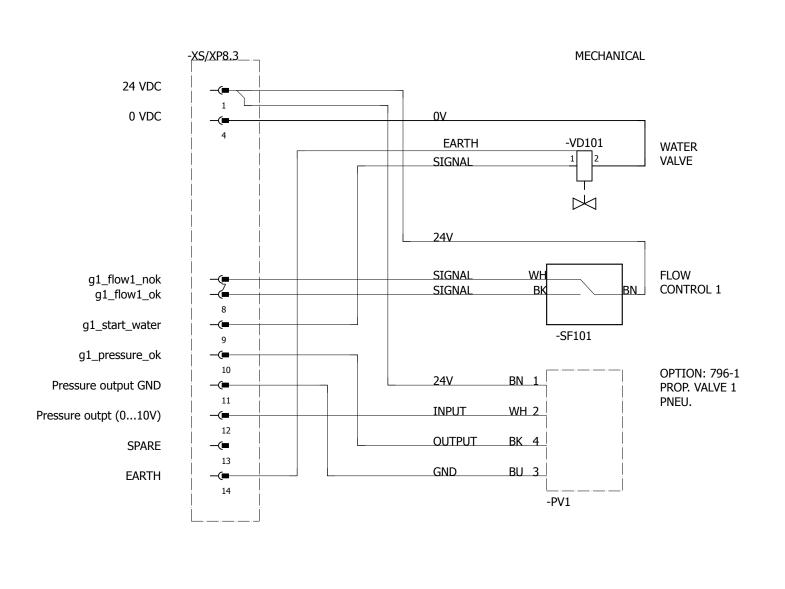












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