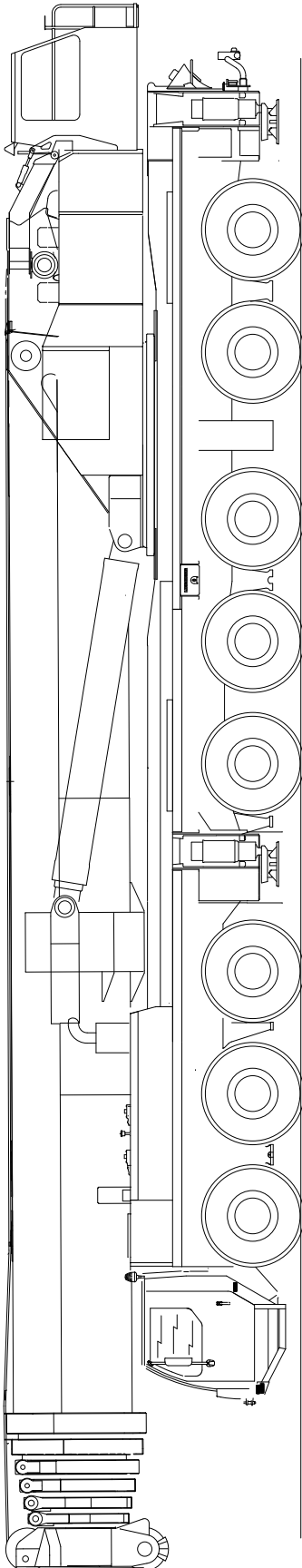
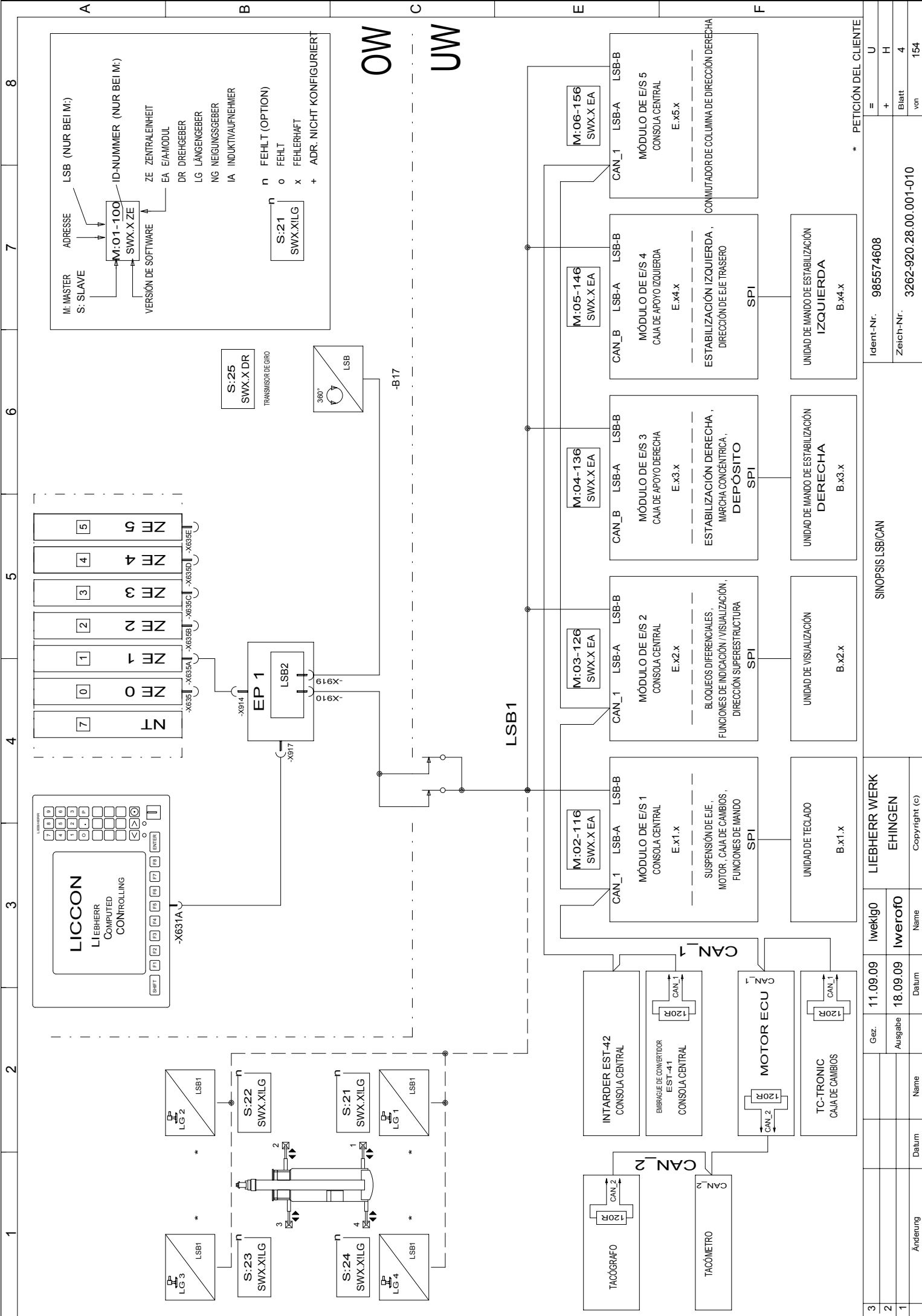
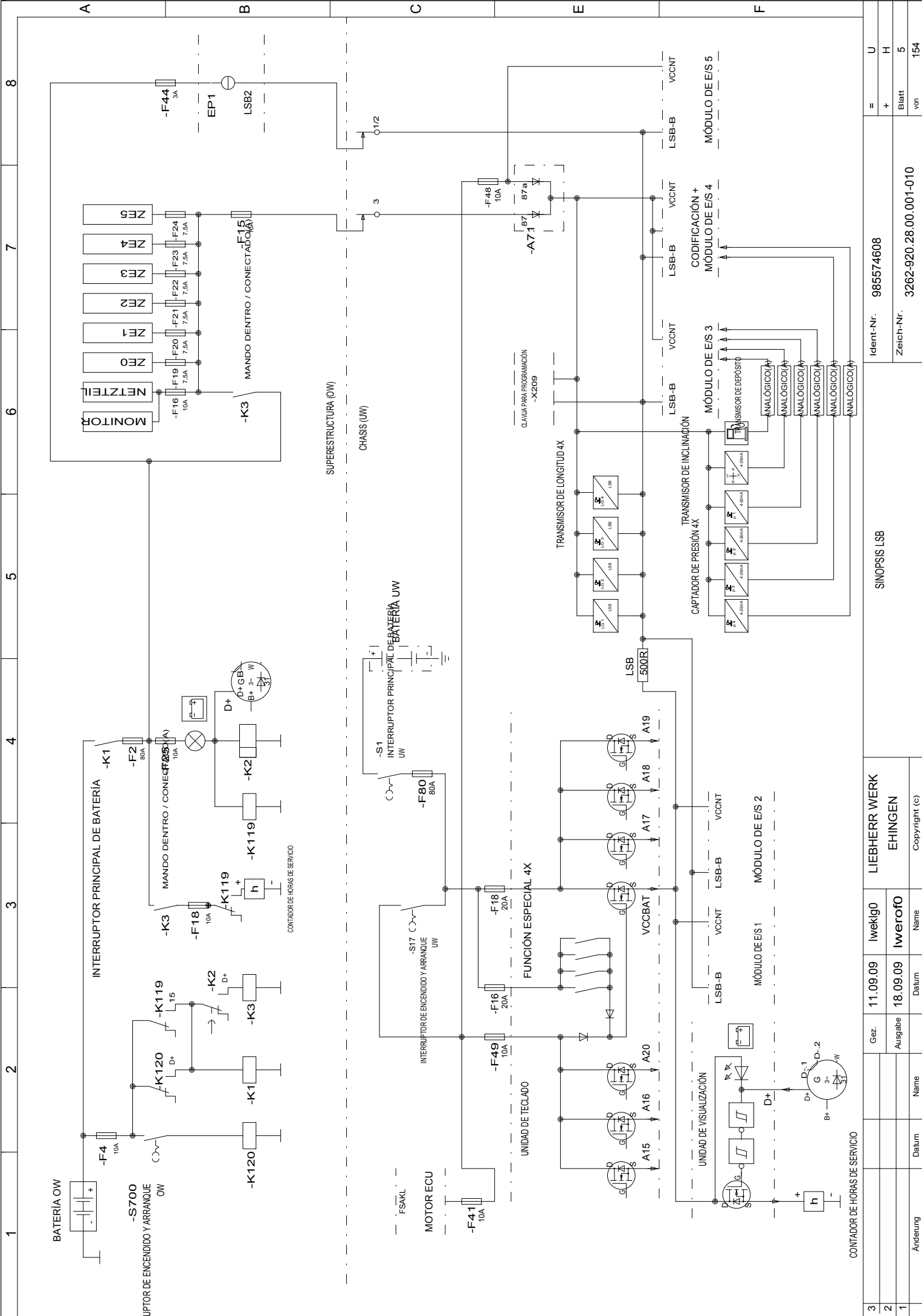


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| <div>LTM 1500-8.1</div> <div>LIEBHERR-MOTOR D 9508 TI-E A7 ZF-CAJA DE CAMBIOS TC TRONIC CON INTARDER</div> <div></div> | | | | | | | | | | | | | |
| 3 | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | ESQUEMA DE CONEXIONES | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerofu | Copyright (c) | | SISTEMA EL VEHÍCULO | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
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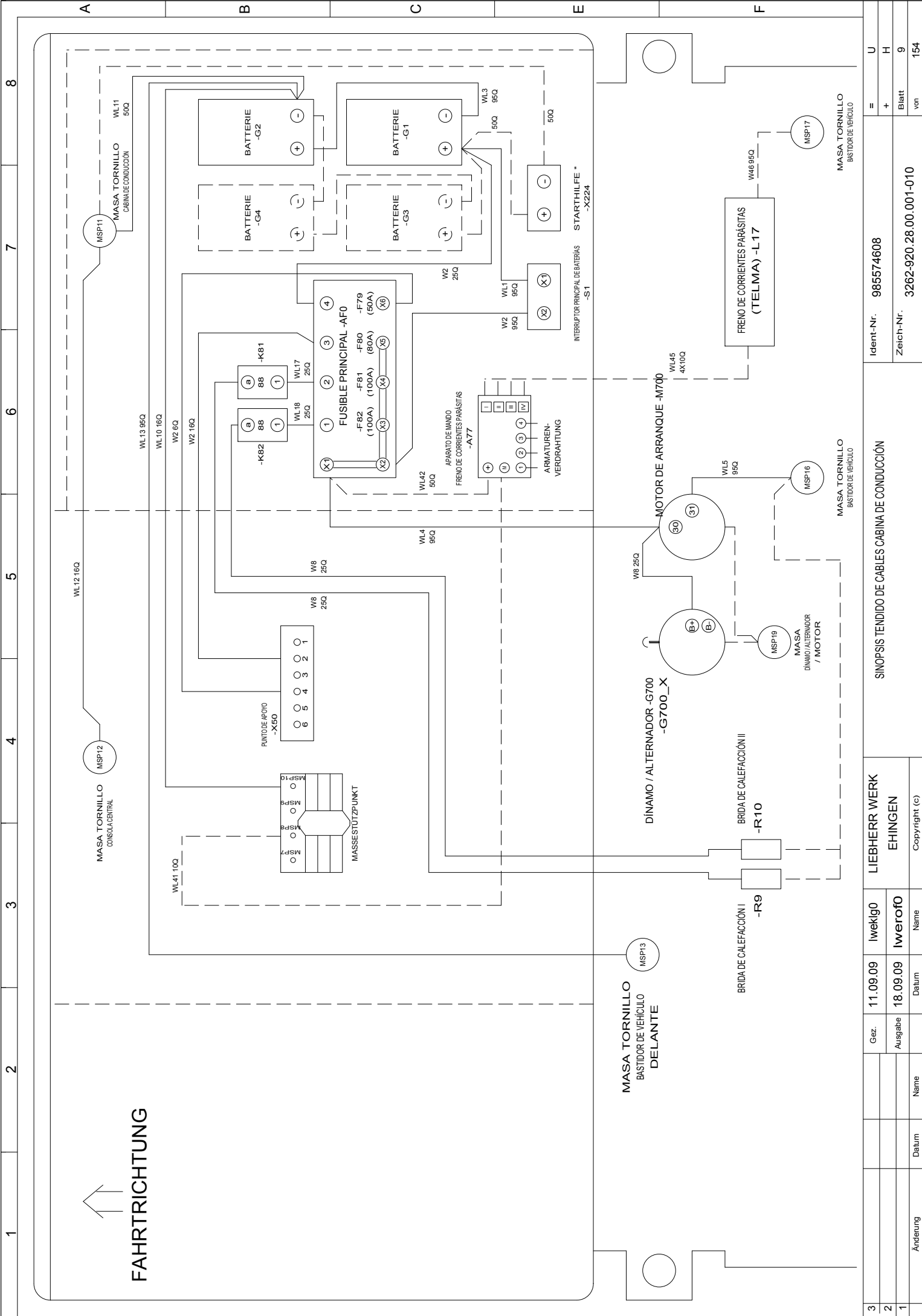




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| FUSIBLE / DISPOSITIVO DE SEGURIDAD / ASIGNACIÓN DE FUSIBLES / FUNCIONAMIENTO | | | | | | | | | | | | | | | | | | | | |
| -F1 / 10A | 38.1 | LUZ DE POSICIÓN IZQUIERDA , SISTEMA DE LAVADO DE FAROS | | | | | A | | | | | | | | | | | | | |
| -F2 / 10A | 38.2 | LUZ DE POSICIÓN DERECHA, ILUMINACIÓN DE INSTRUMENTOS | | | | | | | | | | | | | | | | | | |
| -F3 / 10A | 38.2 | LUZ LARGA IZQUIERDA | | | | | | | | | | | | | | | | | | |
| -F4 / 10A | 38.3 | LUZ LARGA DERECHA | | | | | | | | | | | | | | | | | | |
| -F5 / 10A | 38.3 | LUZ DE CRUCE IZQUIERDA | | | | | | | | | | | | | | | | | | |
| -F6 / 10A | 38.4 | LUZ DE CRUCE DERECHA | | | | | | | | | | | | | | | | | | |
| -F7 / 10A | 38.1 | INTERRUPTOR DE ENCENDIDO Y ARRANQUE 50 UW | | | | | B | | | | | | | | | | | | | |
| -F8 / 20A | 38.2 | LUCES DE MARCHA ATRÁS, CLAXON , LUZ ANTINEBLA TRASERA , BOMBA DE COMBUSTIBLE , SEÑAL DE AVISO PARA MARCHA ATRÁS | | | | | | | | | | | | | | | | | | |
| -F9 / 20A | 38.2 | LIZ LARGA, AVISADOR LUMINOSO, INTERMITENTES LUZ DE EMERG. | | | | | | | | | | | | | | | | | | |
| -F10 / 20A | 38.3 | LUZ DE IDENTIFICACIÓN OMNIDIRECCIONAL | | | | | | | | | | | | | | | | | | |
| -F11 / 10A | 38.3 | LUZ LUZ DE CRUCE/LUZ LARGA | | | | | | | | | | | | | | | | | | |
| -F12 / 20A | 38.4 | LUZ DE POSICIÓN , FARO ANTINIEBLA | | | | | | | | | | | | | | | | | | |
| -F13 / 15A | 38.4 | CALEFACCIÓN ADICIONAL DBW 2020 , CALEFACCIÓN ADICIONAL BOMBA DE CIRCULACIÓN | | | | | C | | | | | | | | | | | | | |
| -F14 / 20A | 38.5 | CALEFACCIÓN ADICIONAL AIRTOP 2000S | | | | | | | | | | | | | | | | | | |
| -F15 / 20A | 38.5 | CALEFACCIÓN ADICIONAL AIRTOP 5000D , PRECALENTAMIENTO DE COMBUSTIBLE DELANTE DE / ANTES DE - FILTRO | | | | | | | | | | | | | | | | | | |
| -F16 / 20A | 38.6 | CALEFACCIÓN ACCIONAMIENTOS REGULADORES , VENTILADOR (CAMBIADOR DE CALOR) , ALIMENTAC. DE CORRIENTE FUNCIÓN ESPECIAL CALEFACCIÓN ADICIONAL (DENTRO / CONECTADO(A) | | | | | | | | | | | | | | | | | | |
| -F17 / 10A | 38.6 | AJUSTE DE ESPEJO , ILUMINACIÓN INTERIOR , ENCENDEDOR | | | | | | | | | | | | | | | | | | |
| -F18 / 20A | 38.7 | EA/MODUL 1,2 (FUENTE DE ALIMENTACIÓN) , ALIMENTACIÓN DE CORRIENTE UNIDAD DE VISUALIZACIÓN CONTADOR DE HORAS DE SERVICIO , CALEFACCIÓN DE ASIENTO | | | | | | | | | | | | | | | | | | |
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| -F20 / 10A | 38.5 | INTARDER , DÍNAMO / ALTERNADOR REGULADOR , MOTOR ECU PS2 | | | | | | | | | | | | | | | | | | |
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| -F22 / 20A | 38.6 | MOTOR ECU PS1 | | | | | | | | | | | | | | | | | | |
| -F23 / ..A | 38.6 | RESERVA | | | | | | | | | | | | | | | | | | |
| -F24 / ..A | 38.7 | RESERVA | | | | | | | | | | | | | | | | | | |
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| -F26 / 20A | 39.2 | CAJA DE ENCHUFE REMOLQUE , CAJA DE ENCHUFE 24V | | | | | | | | | | | | | | | | | | |
| -F27 / 10A | 39.2 | FARO ADICIONAL | | | | | | | | | | | | | | | | | | |
| -F28 / 10A | 39.3 | SISTEMA DE LAVADO DE FAROS , INTERMITENTE LARGUERO CORREDERO , CÁMARA LIMPIEZA , SISTEMA DE EXTINCION | | | | | | | | | | | | | | | | | | |
| -F29 / 15A | 39.3 | VENTILADOR MOTOR | | | | | | | | | | | | | | | | | | |
| -F30 / 20A | 39.4 | ABV REMOLQUE | | | | | | | | | | | | | | | | | | |
| 3 | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK | | ASIGNACIÓN DE FUSIBLES | | Ident-Nr. | 985574608 | | = | U | | | | | |
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| -F32 / 10A | 39.2 | RADIO (12V); CAJA DE ENCHUFE (12V) | | | | | | | | | | -AF6 | | | |
| -F33 / 15A | 39.2 | DC-CONVERTIDOR (RADIO , INTERFAZ MULTIMEDIA , (RADIO) | | | | | | | | | | -AF6 | | | |
| -F34 / 20A | 39.3 | CALEFACCIÓN ADICIONAL | | | | | | | | | | -AF6 | | | |
| -F35 / 10A | 39.3 | TACÓGRAFO , APARATO REGISTRADOR , CARGADOR (DETECTOR / SENSOR), RELOJ DE PRESELECCIÓN , MÓDULOS DE E/S 1-5, TACÓGRAFO | | | | | | | | | | -AF6 | | | |
| -F36 / 20A | 39.4 | CARGADOR | | | | | | | | | | -AF6 | | | |
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| -F37 / 10A | 39.4 | PRECALENTAMIENTO DE COMBUSTIBLE , SECADOR DE AIRE , ILUMINACIÓN INTERIOR , TRANSMISOR DE DEPÓSITO , ACUSE DE RECIBO DE FUNCIONAMIENTO / DE APTACIÓN | | | | | | | | | | -AF7 | | | |
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| -F39 / 10A | 39.5 | ELEVALLUNAS IZQUIERDA | | | | | | | | | | -AF7 | | | |
| -F40 / 10A | 39.6 | ELEVALLUNAS DERECHA | | | | | | | | | | -AF7 | | | |
| -F41 / 10A | 39.6 | MOTOR ECU CAJA DE CAMBIOS ECU, DIAGNÓSTICO , TACÓGRAFO , TACÓGRAFO , VÁLVULA DE AIRE | | | | | | | | | | -AF7 | | | |
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| -F44 / 10A | 39.5 | ACUSE DE RECIBO ; BLOQUEOS DIFERENCIALES , EJES COMPENSACIÓN , SUSPENSIÓN DE EJE | | | | | | | | | | -AF8 | | | |
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| -F46 / 10A | 39.6 | MÓDULO DE E/S 3/4 DIGITAL SALIDAS | | | | | | | | | | -AF8 | | | |
| -F47 / 10A | 39.6 | MÓDULO DE E/S 3/4 ANALÓGICO(A) SALIDAS | | | | | | | | | | -AF8 | | | |
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| -F51 / 10A | 40.2 | MÓDULO DE E/S 2 SALIDAS DIGITALES, ENCENDIDO CONECTADO SE/CH | | | | | | | | | | -AF9 | | | |
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| -F54 / 10A | 40.4 | MÓDULO DE E/S 2 ENCENDIDO CONECTADO CH | | | | | | | | | | -AF9 | | | |
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| -F55 / ..A | 40.1 | RESERVA | | | | | | | | | | -AF10 | | | |
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| -F57 / 20A | 40.2 | SERVICIO DE DOLLY SISTEMA HIDRÁULICO BOMBA | | | | | | | | | | -AF10 | | | |
| -F58 / ..A | 40.3 | RESERVA | | | | | | | | | | -AF10 | | | |
| -F59 / ..A | 40.3 | RESERVA | | | | | | | | | | -AF10 | | | |
| -F60 / ..A | 40.4 | RESERVA | | | | | | | | | | -AF10 | | | |
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| E/I/A | | HOJA | | FUNCIÓN / FUNCIONAMIENTO | | | | TIPO | | CLAVIJA | | | | | |
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| E.E2.6 | 74.3 | RESERVA DE AIRE COMPRIMIDO II TRANSMISOR | | | | | | E=0...10V | -X622:5 | | | | | | |
| E.E2.7 | 74.5 | RESERVA DE AIRE COMPRIMIDO III TRANSMISOR | | | | | | E=0...10V | -X622:3 | | | | | | |
| E.S2.4 | | | | | | | | A=10mA | -X622:10 | | | | | | |
| E.S2.5 | 74.2 | RESERVA DE AIRE COMPRIMIDO I TRANSMISOR | | | | | | A=10mA | -X622:8 | | | | | | |
| E.S2.6 | 74.4 | RESERVA DE AIRE COMPRIMIDO II TRANSMISOR | | | | | | A=10mA | -X622:6 | | | | | | |
| E.S2.7 | 74.6 | RESERVA DE AIRE COMPRIMIDO III TRANSMISOR | | | | | | A=10mA | -X622:4 | | | | | | |
| E.DE2.0 | 83.2 | 5+6 ARRIBA ACUSE DE RECIBO | | | | | | E=HIGH>4V/LOW<2V | -X622:18 | | | | | | |
| E.DE2.1 | 37.4 | INTERRUPTOR DE ENCENDIDO Y ARRANQUE 15 UW | | | | | | E=HIGH>4V/LOW<2V | -X622:16 | | | | | | |
| E.DE2.2 | | | | | | | | E=HIGH>4V/LOW<2V | -X622:14 | | | | | | |
| E.DE2.3 | | | | | | | | E=HIGH>4V/LOW<2V | -X622:12 | | | | | | |
| E.VCCEA2.1 | | | | | | | | - | -X621:11 | | | | | | |
| E.VCCEA2.2 | 43.8 | E.DEA2.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 | | | | | | - | -X621:9 | | | | | | |
| E.DEA2.0 | | | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:17 | | | | | | |
| E.DEA2.1 | | | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:15 | | | | | | |
| E.DEA2.2 | | | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:13 | | | | | | |
| E.DEA2.3 | 77.1 | SUSPENSIÓN DE EJE BLOQUEADO(A) VÁLVULA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:11 | | | | | | |
| E.DEA2.4 | 77.3 | SUSPENSIÓN DE EJE CON SUSPENSIÓN VÁLVULA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:9 | | | | | | |
| E.DEA2.5 | | | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:7 | | | | | | |
| E.DEA2.6 | 76.2 | DIF. LONGITUDINAL CAJA TRÁNSF. VÁLVULA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:5 | | | | | | |
| E.DEA2.7 | 76.4 | DIF. LONGITUDINAL EJE 2/4 VÁLVULA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X623:3 | | | | | | |
| E.VCCA2.0 | 43.7 | E.A2.0 / 1 / 2 / 3 | | | | | | - | -X621:1 | | | | | | |
| E.VCCA2.1 | | | | | | | | - | -X621:3 | | | | | | |
| E.VCCA2.2 | | | | | | | | - | -X621:5 | | | | | | |
| E.VCCA2.3 | | | | | | | | - | -X621:7 | | | | | | |
| E.A2.0 | 83.1 | EJES LEVANTAR VÁLVULA | | | | | | A=24V/8A | -X623:18 | | | | | | |
| E.A2.1 | 83.3 | EJES BAJAR / VACIAR VÁLVULA | | | | | | A=24V/8A | -X623:16 | | | | | | |
| E.A2.2 | 78.2 | COMPENSACIÓN EJES 1-4 / 5-8 | | | | | | A=24V/8A | -X623:14 | | | | | | |
| E.A2.3 | 78.3 | COMPENSACIÓN EJES 1-4 / 5-8 | | | | | | A=24V/8A | -X623:12 | | | | | | |
| E.GNDMESS2.1 | | | | | | | | E=0...10A | -X621:18 | | | | | | |

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|----------|--|-------|---------|----------|---------|---------------|--|--|-----------|------------------------|-----|-------|
| 3 | | | Grz. | 11.09.09 | Iwekg0 | LIEBHERR WERK | | MÓDULO DE E/S 2 ASIGNACIÓN / OCUPACIÓN | Ident-Nr. | 985574608 | = | U |
| 2 | | | | | | EHINGEN | | | + | H | | |
| 1 | | | Ausgabe | 18.09.09 | Iwerof0 | | | | Zeich-Nr. | 3262-920.28.00.001-010 | 13 | Blatt |
| Änderung | | Datum | Name | Datum | Name | Copyright (c) | | | | | von | 154 |

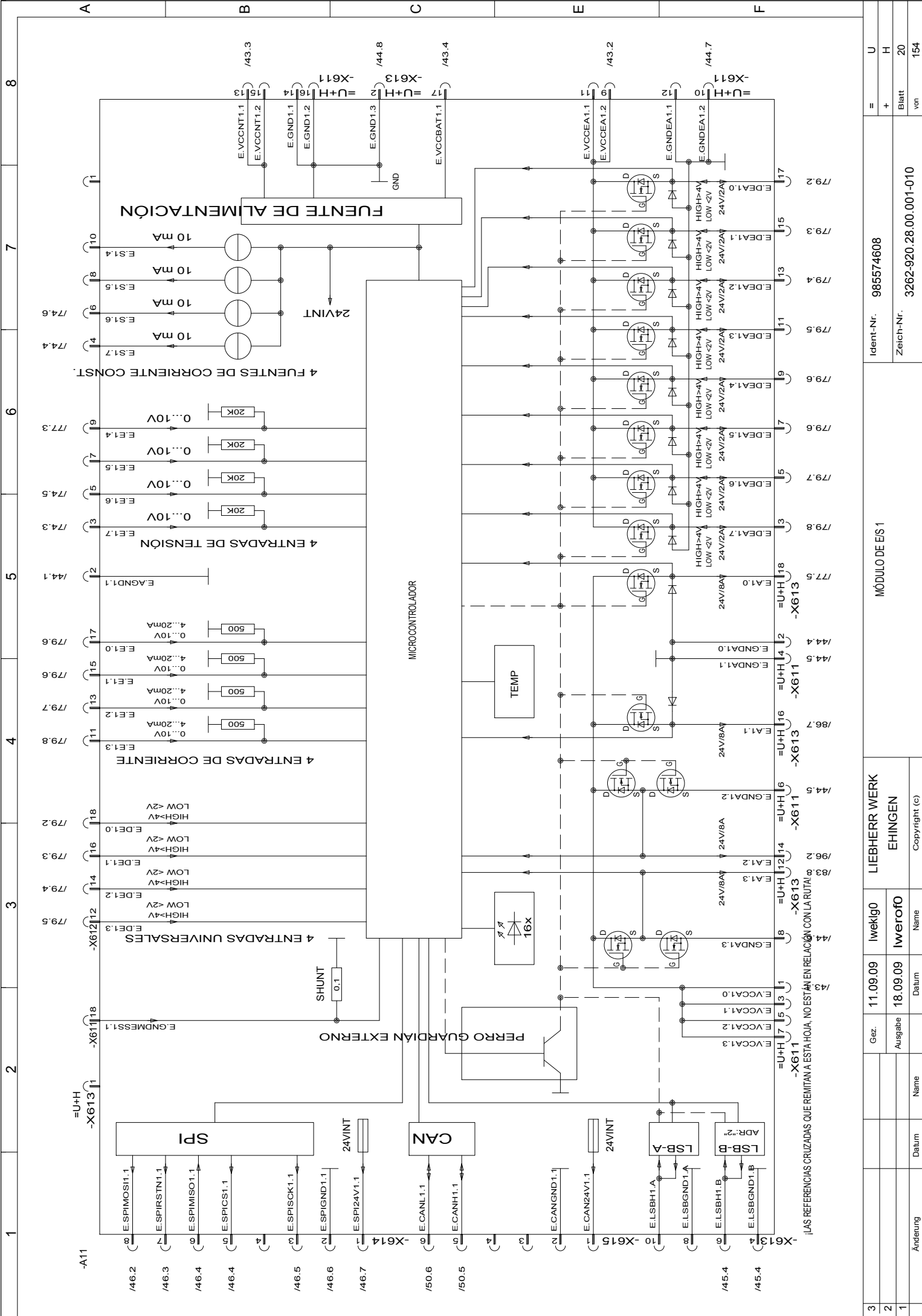
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|--------------|-------|--|--|--------------------------|--|---|--|----------------------------|--|---------|--|----------|--|---|--|
| E/I/A | | HOJA | | FUNCIÓN / FUNCIONAMIENTO | | | | TIPO | | CLAVIJA | | | | | |
| E.E3.0 | 119.3 | CAPTADOR DE PRESIÓN DELANTE DERECHA | | | | | | E=0...10V/4...20mA | | | | -X632:17 | | | |
| E.E3.1 | 119.1 | CAPTADOR DE PRESIÓN DETRÁS DERECHA | | | | | | E=0...10V/4...20mA | | | | -X632:15 | | | |
| E.E3.2 | 120.6 | INCLINÓMETRO TRANSVERSAL | | | | | | E=0...10V/4...20mA | | | | -X632:13 | | | |
| E.E3.3 | 120.7 | INCLINÓMETRO LONGITUDINAL | | | | | | E=0...10V/4...20mA | | | | -X632:11 | | | |
| E.E3.4 | 78.7 | COMPENSACIÓN EJES 1-4 / 5-8 | | | | | | E=0...10V | | | | -X632:9 | | | |
| E.E3.5 | | | | | | | | E=0...10V | | | | -X632:7 | | | |
| E.E3.6 | | | | | | | | E=0...10V | | | | -X632:5 | | | |
| E.E3.7 | 66.3 | CAPACIDAD DEL DEPÓSITO SEÑAL | | | | | | E=0...10V | | | | -X632:3 | | | |
| E.S3.4 | | | | | | | | A=10mA | | | | -X632:10 | | | |
| E.S3.5 | | | | | | | | A=10mA | | | | -X632:8 | | | |
| E.S3.6 | | | | | | | | A=10mA | | | | -X632:6 | | | |
| E.S3.7 | 66.4 | CAPACIDAD DEL DEPÓSITO ALIMENTACIÓN | | | | | | A=10mA | | | | -X632:4 | | | |
| E.DE3.0 | 76.2 | DIF. LONGITUDINAL CAJA TRÁNSF. ACUSE DE RECIBO | | | | | | E=HIGH>4V/LOW<2V | | | | -X632:18 | | | |
| E.DE3.1 | 76.3 | DIF. LONGITUDINAL EJE 2 ACUSE DE RECIBO | | | | | | E=HIGH>4V/LOW<2V | | | | -X632:16 | | | |
| E.DE3.2 | 76.4 | DIF. LONGITUDINAL EJE 4 ACUSE DE RECIBO | | | | | | E=HIGH>4V/LOW<2V | | | | -X632:14 | | | |
| E.DE3.3 | 44.6 | CODIFICACIÓN CÓDIGO - | | | | | | E=HIGH>4V/LOW<2V | | | | -X632:12 | | | |
| E.VCCEA3.1 | | | | | | | | - | | | | -X631:11 | | | |
| E.VCCEA3.2 | 43.2 | E.DEA3.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 | | | | | | - | | | | -X631:9 | | | |
| E.DEA3.0 | 85.2 | LARGUERO CORREDERO DEL. DER. EXTENDER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:17 | | | |
| E.DEA3.1 | 85.3 | LARGUERO CORREDERO DEL. DER. RETRAER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:15 | | | |
| E.DEA3.2 | 85.3 | ESTABILIZACIÓN DEL. DER. ABAJO | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:13 | | | |
| E.DEA3.3 | 85.4 | ESTABILIZACIÓN DEL. DER. ARRIBA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:11 | | | |
| E.DEA3.4 | 85.5 | LARGUERO CORREDERO DET. DER. EXTENDER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:9 | | | |
| E.DEA3.5 | 85.6 | LARGUERO CORREDERO DET. DER. RETRAER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:7 | | | |
| E.DEA3.6 | 85.7 | ESTABILIZACIÓN DET. DER. ABAJO | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:5 | | | |
| E.DEA3.7 | 85.7 | ESTABILIZACIÓN DET. DER. ARRIBA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | | | -X633:3 | | | |
| E.VCCA3.0 | 43.3 | E.A3.0 / 1 / 2 / 3 | | | | | | - | | | | -X631:1 | | | |
| E.VCCA3.1 | | | | | | | | - | | | | -X631:3 | | | |
| E.VCCA3.2 | | | | | | | | - | | | | -X631:5 | | | |
| E.VCCA3.3 | | | | | | | | - | | | | -X631:7 | | | |
| E.A3.0 | 86.4 | ETAPA DE PRESIÓN 1 | | | | | | A=24V/8A | | | | -X633:18 | | | |
| E.A3.1 | 86.5 | ETAPA DE PRESIÓN 2 | | | | | | A=24V/8A | | | | -X633:16 | | | |
| E.A3.2 | 86.6 | ETAPA DE PRESIÓN 3 | | | | | | A=24V/8A | | | | -X633:14 | | | |
| E.A3.3 | 82.4 | ASISTENCIA DE DIRECCIÓN | | | | | | A=24V/8A | | | | -X633:12 | | | |
| E.GNDMESS3.1 | | | | | | | | E=0...10A | | | | -X631:18 | | | |

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|---|----------|-------|------|---------|----------|---------|---------------|--|--|--|---------------------|--|-----|---|
| 3 | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK | | MÓDULO DE E/S 3 ASIGNACIÓN / OCUPACIÓN | | Ident-Nr. 985574608 | | = | U |
| 2 | | | | | | | EHINGEN | | | | Zeich-Nr. | | + | H |
| 1 | Änderung | Datum | Name | Ausgabe | 18.09.09 | Iwerofb | Name | | 3262-920.28.00.001-010 | | Blatt | | 14 | |
| | | | | | | | Copyright (c) | | | | von | | 154 | |

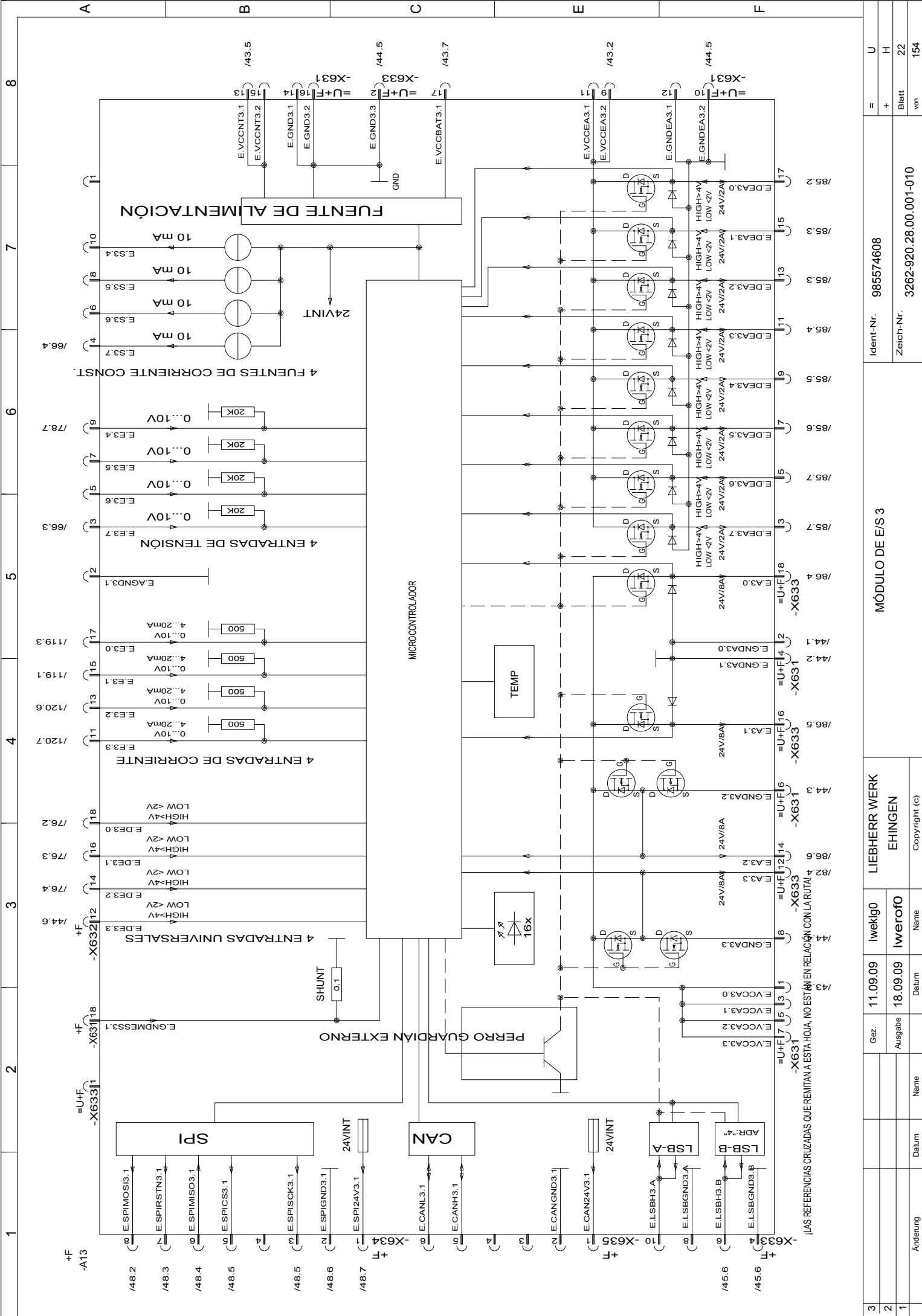
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|--------------|-------|--|--|--|--|----------|--|--|----------|---------------|--|------------|--|------------------------|--|
| E/I/A | | HOJA | | FUNCIÓN / FUNCIONAMIENTO | | | | TIPO | | CLAVIJA | | | | | |
| E.E4.0 | 67.6 | BOMBA DE DIRECCIÓN | | CAPTADOR DE PRESIÓN DETRÁS IZQUIERDA CAPTADOR DE PRESIÓN DELANTE IZQUIERDA BOMBA AUXILIAR DE DIRECCIÓN | | | | E=0...10V/4...20mA | -X642:17 | A | | | | | |
| E.E4.1 | 119.7 | | | | | | | E=0...10V/4...20mA | -X642:15 | | | | | | |
| E.E4.2 | 119.5 | | | | | | | E=0...10V/4...20mA | -X642:13 | | | | | | |
| E.E4.3 | 67.8 | | | | | | | E=0...10V/4...20mA | -X642:11 | | | | | | |
| E.E4.4 | | | | BOMBA DE DIRECCIÓN | | | | E=0...10V | -X642:9 | B | | | | | |
| E.E4.5 | | | | | | | | E=0...10V | -X642:7 | | | | | | |
| E.E4.6 | | | | | | | | E=0...10V | -X642:5 | | | | | | |
| E.E4.7 | | | | | | | | E=0...10V | -X642:3 | | | | | | |
| E.S4.4 | 67.6 | BOMBA DE DIRECCIÓN | | BOMBA AUXILIAR DE DIRECCIÓN | | | | A=10mA | -X642:10 | | | | | | |
| E.S4.5 | | | | | | | | A=10mA | -X642:8 | | | | | | |
| E.S4.6 | | | | | | | | A=10mA | -X642:6 | | | | | | |
| E.S4.7 | 67.8 | | | | | | | A=10mA | -X642:4 | | | | | | |
| E.DE4.0 | 83.5 | DESBLOQUEO DE EJE TRASERO ACUSE DE RECIBO | | CODIFICACIÓN CÓDIGO + | | | | E=HIGH>4V/LOW<2V | -X642:18 | C | | | | | |
| E.DE4.1 | 83.8 | DESBLOQUEO DE EJE TRASERO ACUSE DE RECIBO | | | | | | E=HIGH>4V/LOW<2V | -X642:16 | | | | | | |
| E.DE4.2 | 107.5 | CALEFACCIÓN ADICIONAL DIAGNÓSTICO | | | | | | E=HIGH>4V/LOW<2V | -X642:14 | | | | | | |
| E.DE4.3 | 44.6 | | | | | | | E=HIGH>4V/LOW<2V | -X642:12 | | | | | | |
| E.VCCEA4.1 | | | | E.DEA4.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 | | | | - | -X641:11 | | | | | | |
| E.VCCEA4.2 | 43.1 | | | | | | | - | -X641:9 | | | | | | |
| E.DEA4.0 | 84.2 | LARGUERO CORREDERO DEL. IZQ. EXTENDER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:17 | | | | | | |
| E.DEA4.1 | 84.3 | LARGUERO CORREDERO DEL. IZQ. RETRAER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:15 | | | | | | |
| E.DEA4.2 | 84.3 | ESTABILIZACIÓN DEL. IZQ. ABAJO | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:13 | | | | | | |
| E.DEA4.3 | 84.4 | ESTABILIZACIÓN DEL. IZQ. ARRIBA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:11 | | | | | | |
| E.DEA4.4 | 84.5 | LARGUERO CORREDERO DET. IZQ. EXTENDER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:9 | | | | | | |
| E.DEA4.5 | 84.6 | LARGUERO CORREDERO DET. IZQ. RETRAER | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:7 | | | | | | |
| E.DEA4.6 | 84.7 | ESTABILIZACIÓN DET. IZQ. ABAJO | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:5 | E | | | | | |
| E.DEA4.7 | 84.7 | ESTABILIZACIÓN DET. IZQ. ARRIBA | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | -X643:3 | | | | | | |
| E.VCCA4.0 | 43.4 | E.A4.0 / 1 / 2 / 3 | | | | | | - | -X641:1 | | | | | | |
| E.VCCA4.1 | | | | | | | | - | -X641:3 | | | | | | |
| E.VCCA4.2 | | | | DES Bloqueo de eje trasero VÁLVULA | | | | - | -X641:5 | | | | | | |
| E.VCCA4.3 | | | | | | | | - | -X641:7 | | | | | | |
| E.A4.0 | | | | | | | | A=24V/8A | -X643:18 | | | | | | |
| E.A4.1 | 83.5 | | | | | | | A=24V/8A | -X643:16 | | | | | | |
| E.A4.2 | 83.6 | DIRECCIÓN DE EJE TRASERO IZQUIERDA VÁLVULA | | | | | | A=24V/8A | -X643:14 | F | | | | | |
| E.A4.3 | 83.7 | DIRECCIÓN DE EJE TRASERO DERECHA VÁLVULA | | | | | | A=24V/8A | -X643:12 | | | | | | |
| E.GNDMESS4.1 | | | | | | | | E=0...10A | -X641:18 | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | MÓDULO DE E/S 4 ASIGNACIÓN / OCUPACIÓN | | | | Ident.-Nr. | | 985574608 | |
| | | | | | | | | | | | | Zeich.-Nr. | | 3262-920.28.00.001-010 | |
| 3 | | | | Gez. | | 11.09.09 | | Iwekg0 | | LIEBHERR WERK | | = | | U | |
| 2 | | | | Ausgabe | | 18.09.09 | | Iwerof0 | | EHINGEN | | + | | H | |
| 1 | | Änderung | | Datum | | Name | | Datum | | Name | | Blatt | | 15 | |
| | | | | | | | | | | | | von | | 154 | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | |
|--------------|------|--|--|--------------------------------------|--|----------------------------|---------|---------------|--|-----------|--|------------------------|--|-------|--|-----|
| E/I/A | | HOJA | | FUNCIÓN / FUNCIONAMIENTO | | TIPO | | CLAVIJA | | | | | | | | |
| E.E5.0 | 64.6 | SET- | | FRENO DE ESTACIONAMIENTO | | E=0...10V,4...20mA | | -X652:17 | | | | | | | | |
| E.E5.1 | 64.6 | SET+ | | | | E=0...10V,4...20mA | | -X652:15 | | | | | | | | |
| E.E5.2 | 64.8 | AUS | | | | E=0...10V,4...20mA | | -X652:13 | | | | | | | | |
| E.E5.3 | 64.7 | QUIT | | | | E=0...10V,4...20mA | | -X652:11 | | | | | | | | |
| E.E5.4 | 64.5 | TEMPSET | | | | E=0...10V | | -X652:9 | | | | | | | | |
| E.E5.5 | 73.8 | FRENO DE ESTACIONAMIENTO | | | | E=0...10V | | -X652:7 | | | | | | | | |
| E.E5.6 | | | | | | E=0...10V | | -X652:5 | | | | | | | | |
| E.E5.7 | | | | | | E=0...10V | | -X652:3 | | | | | | | | |
| E.S5.4 | | | | | | A=10mA | | -X652:10 | | | | | | | | |
| E.S5.5 | | | | | | A=10mA | | -X652:8 | | | | | | | | |
| E.S5.6 | | | | | | A=10mA | | -X652:6 | | | | | | | | |
| E.S5.7 | | | | | | A=10mA | | -X652:4 | | | | | | | | |
| E.DE5.0 | | | | | | E=HIGH>4V/LOW<2V | | -X652:18 | | | | | | | | |
| E.DE5.1 | | | | | | E=HIGH>4V/LOW<2V | | -X652:16 | | | | | | | | |
| E.DE5.2 | | | | | | E=HIGH>4V/LOW<2V | | -X652:14 | | | | | | | | |
| E.DE5.3 | | | | | | E=HIGH>4V/LOW<2V | | -X652:12 | | | | | | | | |
| E.VCCEA5.1 | | | | E.DEA5.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 | | - | | -X651:11 | | | | | | | | |
| E.VCCEA5.2 | 43.2 | E.DEA5.0 | | | | - | | -X651:9 | | | | | | | | |
| E.DEA5.0 | 64.2 | CONMUTADOR DE COLUMNA DE DIRECCIÓN DERECHA | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:17 | | | | | | | | |
| E.DEA5.1 | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:15 | | | | | | | | |
| E.DEA5.2 | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:13 | | | | | | | | |
| E.DEA5.3 | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:11 | | | | | | | | |
| E.DEA5.4 | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:9 | | | | | | | | |
| E.DEA5.5 | | | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:7 | | | | | | | | |
| E.DEA5.6 | | | | FRENO DE SERVICIO LUZ DE FRENO | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:5 | | | | | | | | |
| E.DEA5.7 | 73.7 | FRENO DE SERVICIO LUZ DE FRENO | | | | E=HIGH>4V/LOW<2V(A=24V/2A) | | -X653:3 | | | | | | | | |
| E.VCCA5.0 | 43.1 | E.A5.0 | | | | - | | -X651:1 | | | | | | | | |
| E.VCCA5.1 | | | | | | - | | -X651:3 | | | | | | | | |
| E.VCCA5.2 | | | | | | - | | -X651:5 | | | | | | | | |
| E.VCCA5.3 | | | | | | - | | -X651:7 | | | | | | | | |
| E.A5.0 | | | | | | A=24V/8A | | -X653:18 | | | | | | | | |
| E.A5.1 | | | | | | A=24V/8A | | -X653:16 | | | | | | | | |
| E.A5.2 | | | | | | A=24V/8A | | -X653:14 | | | | | | | | |
| E.A5.3 | | | | | | A=24V/8A | | -X653:12 | | | | | | | | |
| E.GNDMESS5.1 | | | | | | E=0...10A | | -X651:18 | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | Gez. | | 11.09.09 | Iweklg0 | LIEBHERR WERK | | Ident-Nr. | | 985574608 | | = | | U |
| | | | | Ausgabe | | 18.09.09 | Iwerof0 | EHINGEN | | Zeich-Nr. | | 3262-920.28.00.001-010 | | + | | H |
| Änderung | | | | Datum | | | Name | Copyright (c) | | | | | | Blatt | | 16 |
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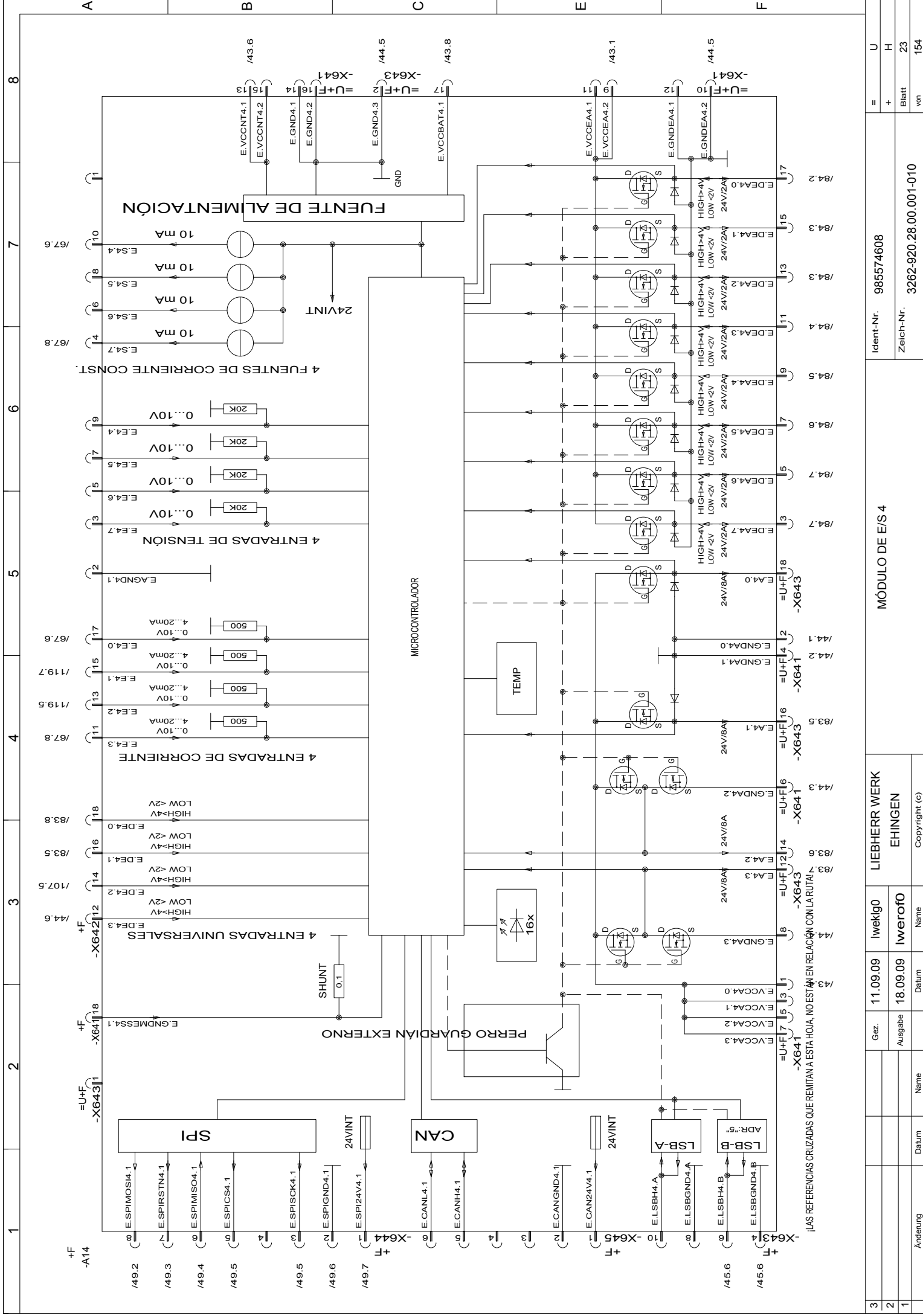
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|----------|----------|---------------------------------------|-------|--|----------|---------|---------------|--------------------------------|--|---|--|---|--|---|--|-----------|--|------------------------|--|----|--|-----|--|--|
| E/I/A | | HOJA | | FUNCIÓN / FUNCIONAMIENTO | | | | TIPO | | CLAVIJA | | A | | | | | | | | | | | | |
| B.30F1.2 | 42.4 | B.A1.21 / 22 / 23 | | LUZES DE MARCHA ATRÁS SEÑAL DE AVISO CLAXON | | | | 24V A=15A A=15A A=15A | | -X712:3 -X712:9 -X712:7 -X712:5 | | | | | | | | | | | | | | |
| B.A1.21 | | | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.22 | 96.5 | | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.23 | 88.8 | | | | | | | | | | | | | | | | | | | | | | | |
| B.30F1.9 | 105.8 | B.A1.8 / 9 / 10 | | VENTILADOR ETAPA / ESCALÓN 1 VENTILADOR ETAPA / ESCALÓN 2 VENTILADOR ETAPA / ESCALÓN 3 | | | | 24V A=15A A=15A A=15A | | -X713:6 -X711:17 -X711:15 -X711:13 | | | | | | | | | | | | | | |
| B.A1.8 | 105.1 | | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.9 | 105.2 | | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.10 | 105.3 | | | | | | | | | | | | | | | | | | | | | | | |
| B.15F1.1 | 42.5 | B.A1.12 / 13 / 14 | | ILUMINACIÓN LARGUEROS CORREDEROS | | | | 24V A=15A | | -X712:1 -X712:16 | | | | | | | | | | | | | | |
| B.A1.13 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | |
| B.15F1.3 | 87.6 | LUZ | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.24 | 87.6 | LUZ | | | | | | | | | | | | | | | | | | | | | | |
| B.30F1.4 | 87.6 | LUZ DE POSICIÓN | | | | | | 24V A=15A | | -X713:16 -X713:15 | | | | | | | | | | | | | | |
| B.A1.25 | 87.6 | LUZ DE POSICIÓN | | | | | | | | | | | | | | | | | | | | | | |
| B.15F1.5 | 90.7 | FARO ANTINIEBLA | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.26 | 90.7 | FARO ANTINIEBLA | | | | | | | | | | | | | | | | | | | | | | |
| B.15F1.6 | 96.3 | LUZ ANTINIEBLA TRASERA | | | | | | 24V A=15A | | -X713:12 -X713:11 | | | | | | | | | | | | | | |
| B.A1.27 | 96.3 | LUZ ANTINIEBLA TRASERA | | | | | | | | | | | | | | | | | | | | | | |
| B.30F1.7 | 91.3 | LUZ DE IDENTIFICACIÓN OMNIDIRECCIONAL | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.28 | 91.3 | LUZ DE IDENTIFICACIÓN OMNIDIRECCIONAL | | | | | | | | | | | | | | | | | | | | | | |
| B.30F1.8 | 88.3 | B.A1.29 / 30 | | | | | | 24V A=15A A=15A | | -X713:8 -X713:7 -X713:5 | | | | | | | | | | | | | | |
| B.A1.29 | 88.4 | INTERMITENTE IZQUIERDO | | | | | | | | | | | | | | | | | | | | | | |
| B.A1.30 | 88.4 | INTERMITENTE DERECHO | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK | | UNIDAD DE TECLADO ASIGNACIÓN / OCUPACIÓN TIPO C | | | | | | | Ident-Nr. | | 985574608 | | = | | U | | |
| 2 | | | | Ausgabe | 18.09.09 | Iwerofb | EHINGEN | | | | | | | | | Zeich-Nr. | | 3262-920.28.00.001-010 | | + | | H | | |
| 1 | Änderung | | Datum | Name | Datum | Name | Copyright (c) | | | | | | | | | Blatt | | von | | 18 | | 154 | | |

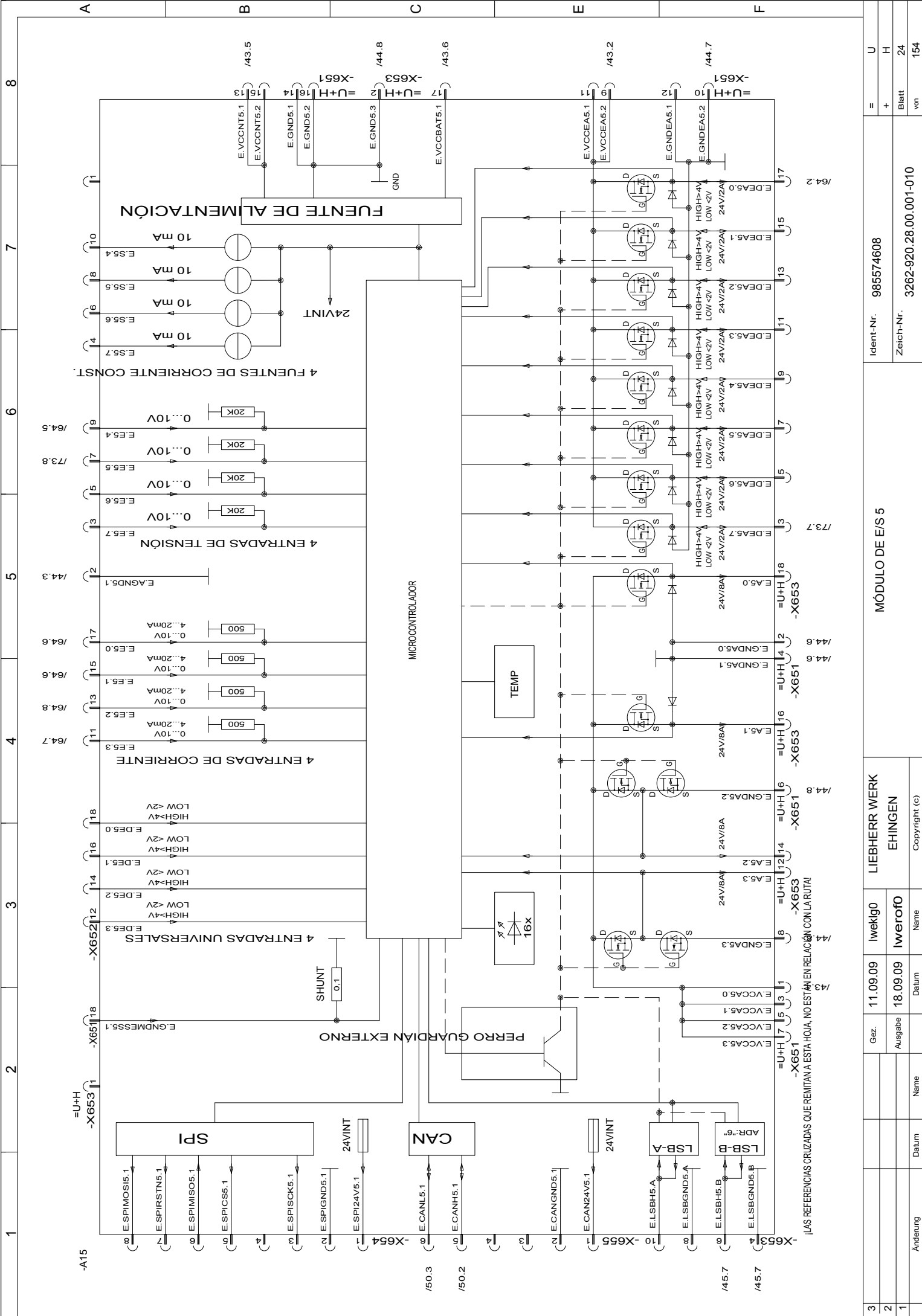


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|---|--|--|------|-----------------|---------|----------|------|---------------------|----------------------------------|---------------|--|--|--|
| | | | | MÓDULO DE E/S 1 | | | | | | | | | |
| | | | | LIEBHERR WERK | | | | Ident-Nr. 985574608 | | | | | |
| 3 | | | Gez. | 11.09.09 | Iweklgo | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| | | | | Ausgabe | | 18.09.09 | | Iwerof0 | | | | | |
| 1 | | | | | Datum | | Name | | Zeich-Nr. 3262-920.28.00.001-010 | | | | |
| | | | | Änderung | | Datum | | Name | | Blatt 20 | | | |
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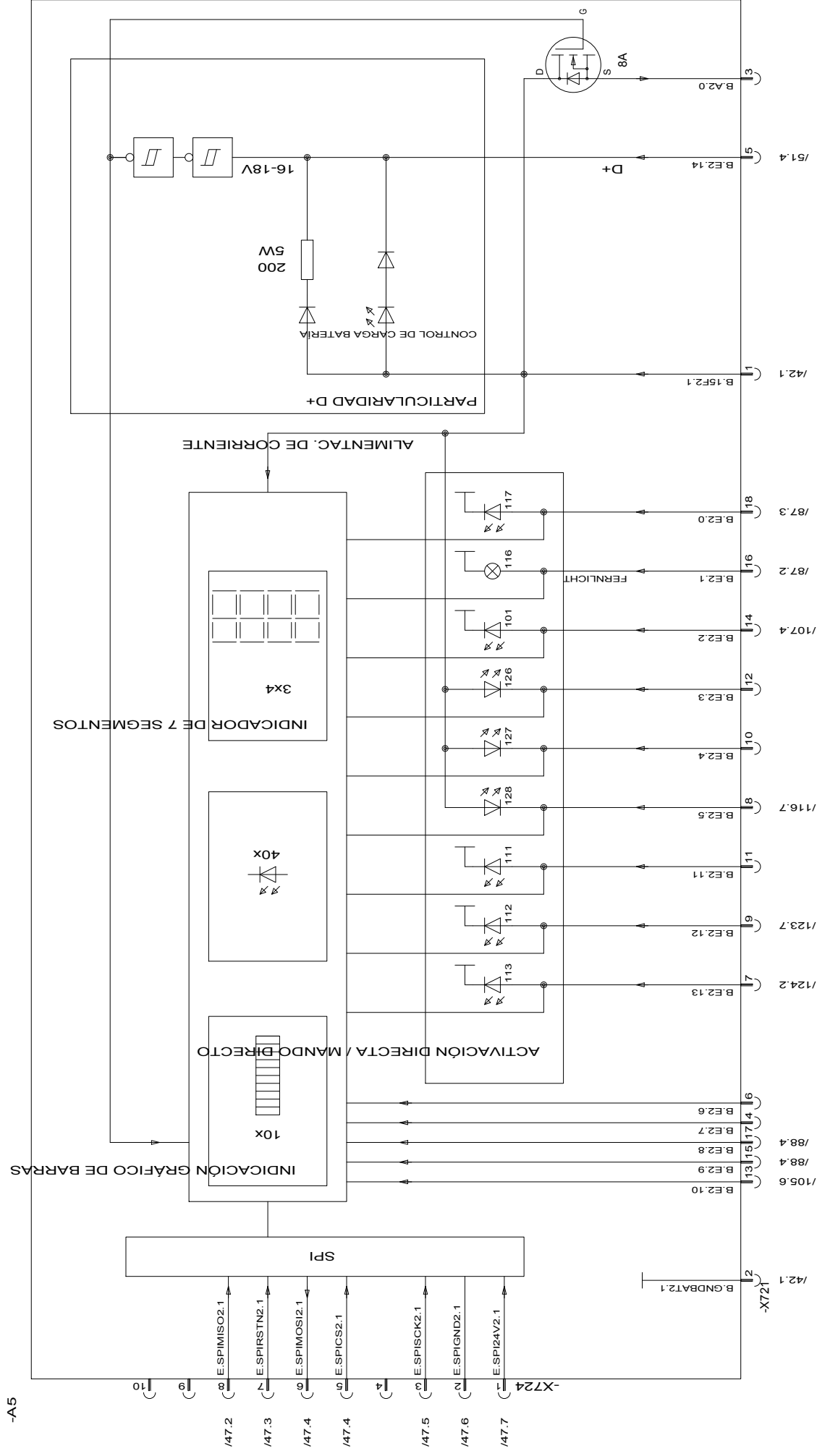


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| | | | | MÓDULO DE E/S 3 | | | | Ident-Nr. 985574608 | | = U |
| 3 | | | Gez. | 11.09.09 | LIEBHERR WERK | | | | + | H |
| 2 | | | | | EHINGEN | | | | | |
| 1 | | | Ausgabe | 18.09.09 | Iwerofb | | | | Zeich-Nr. 3262-920.28.00.001-010 | Blatt 22 von 154 |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | |



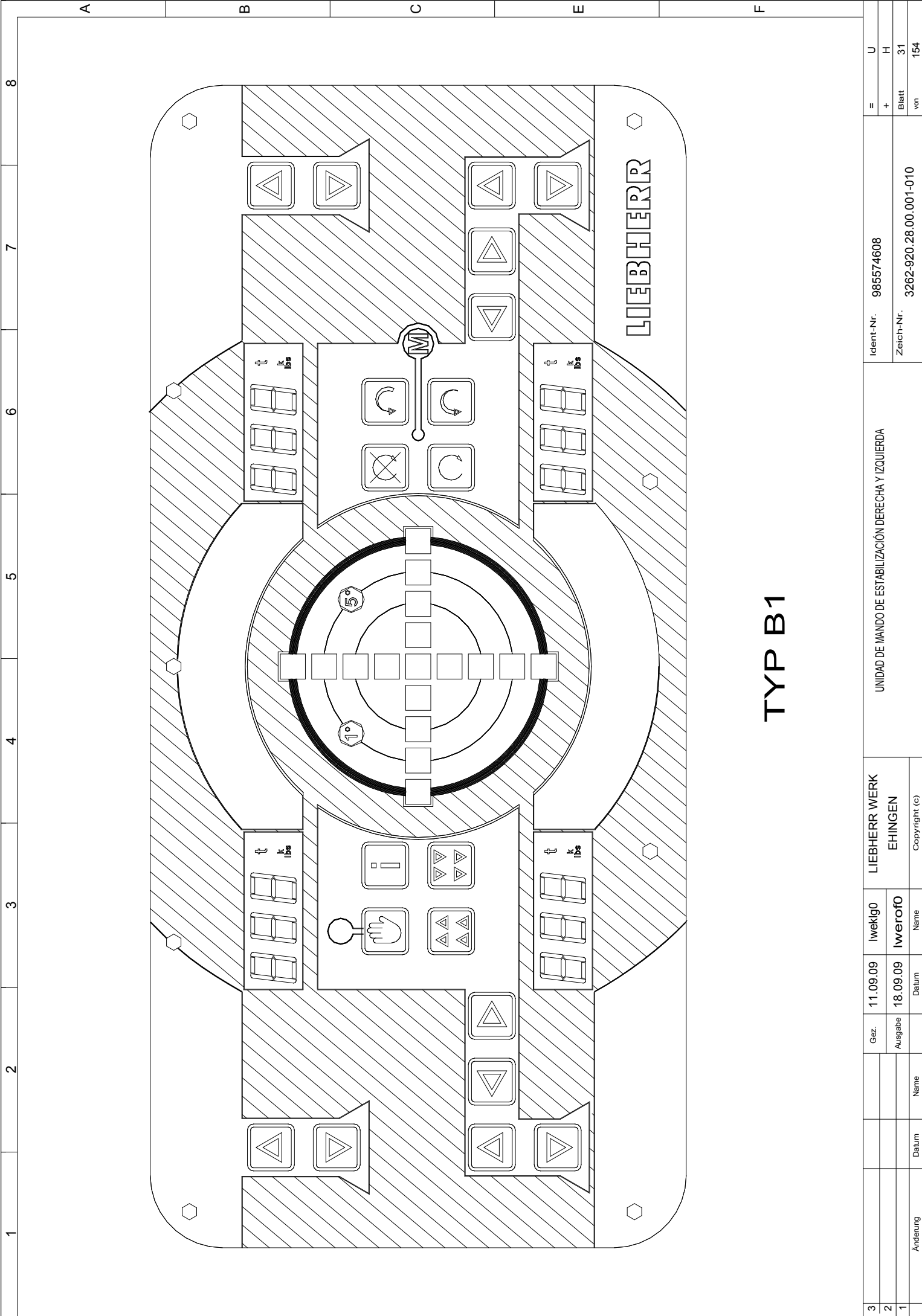


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|---|----------|-------|---------|-----------------|---------------|---------------|--|---------------------|----------------------------------|----------|---|
| | | | | MÓDULO DE E/S 5 | | | | Ident-Nr. 985574608 | | = | U |
| 3 | | | Gez. | 11.09.09 | LIEBHERR WERK | | | | Zeich-Nr. 3262-920.28.00.001-010 | + | H |
| 2 | | | | | EHINGEN | | | | | | |
| 1 | | | Ausgabe | 18.09.09 | Iwerof0 | | | | | | |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | Blatt 24 | |
| | | | | | | | | von 154 | | | |



¡LAS REFERENCIAS CRUZADAS QUE REMITAN A ESTA HOJA, NO ESTÁN EN RELACIÓN CON LA RUTA!

| | | | | | | | | | | | | | |
|---|--|----------|-------|---------|----------|---------|--------------------------|--|--|-----------|------------------------|--------------|-----------|
| 3 | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | UNIDAD DE VISUALIZACIÓN CABINA DE CONDUCCIÓN | Ident-Nr. | 985574608 | = | U |
| 2 | | | | Ausgabe | 18.09.09 | Iwerofo | | | | | | + | H |
| 1 | | | | | | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | Blatt von | 27 154 |
| | | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | | |

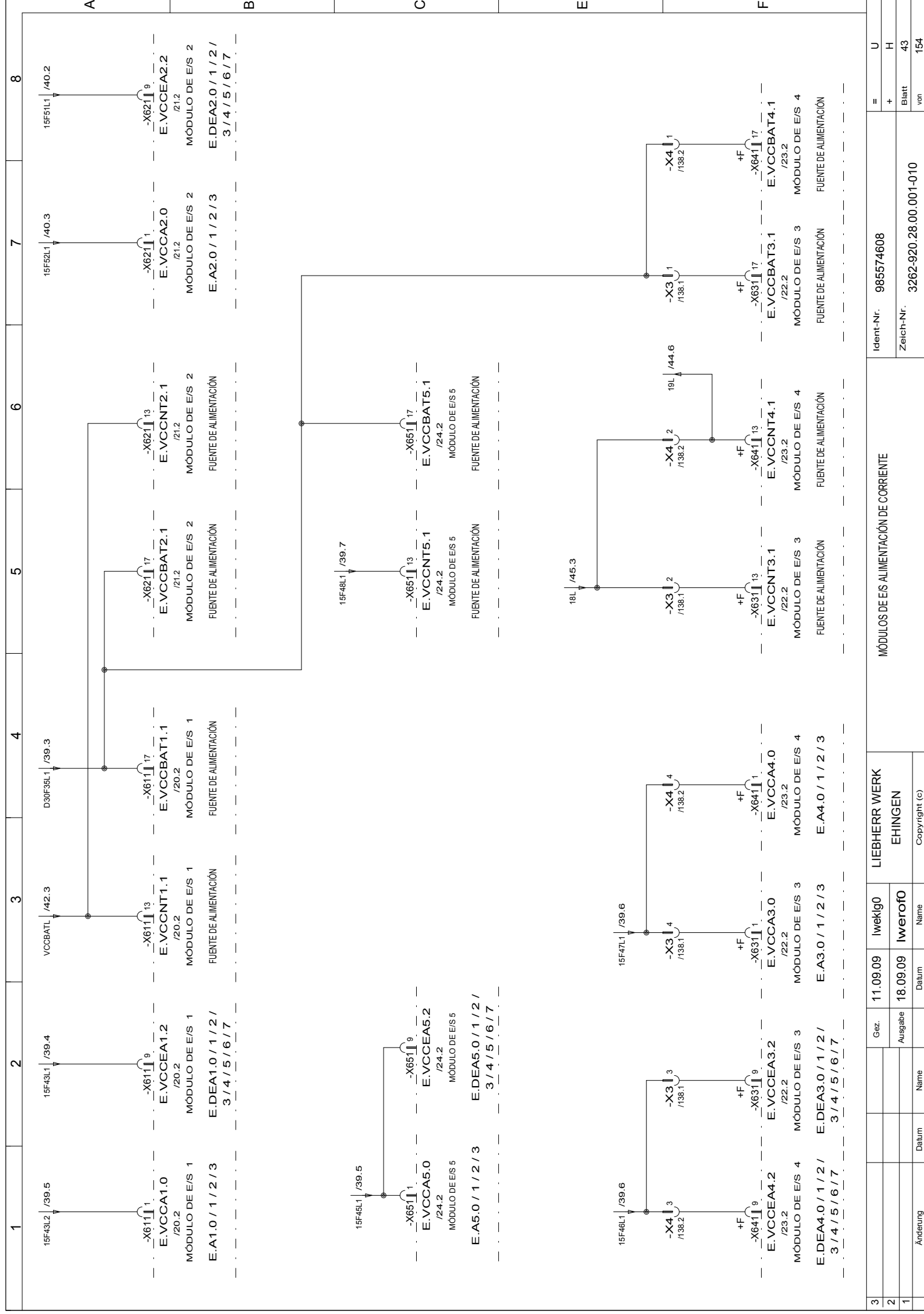


TYP B1

| | | | | | | | | | | | | | |
|---|----------|-------|---------|----------|---------|--------------------------|--|---|--|-----------|------------------------|-------|-----|
| 3 | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | UNIDAD DE MANDO DE ESTABILIZACIÓN DERECHA Y IZQUIERDA | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerof0 | Name | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| 1 | Änderung | Datum | Name | Datum | | Copyright (c) | | | | | | Blatt | 31 |
| | | | | | | | | | | | | von | 154 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------------------|---|---|---|---|---|---|---|
| DISTRIBUCIÓN DE MASA W6 | | | | | | | |
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| DISTRIBUCIÓN DE MASA W6 | | | | | | | |
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| DISTRIBUCIÓN DE MASA W6 | | | | | | | |
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| DISTRIBUCIÓN DE MASA W34 | | | | | | | |
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| DISTRIBUCIÓN DE MASA W34 | | | | | | | |
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|---|----------|----------|----------|---------------|--|----------------------|--|-----------|------------------------|-----|-----|
| 3 | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK | | DISTRIBUCIÓN DE MASA | | Ident-Nr. | 985574608 | = | U |
| 2 | Ausgabe | 18.09.09 | Iwerofro | EHINGEN | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| 1 | Änderung | Datum | Name | Copyright (c) | | | | Blatt | 41 | von | 154 |



| | | | | | | | | | | | | | | |
|---|----------|--|-------|------|---------|----------|---------|--------------------------|---|---|-----------|------------------------|-----|-----|
| 3 | | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | MÓDULOS DE ES ALIMENTACIÓN DE CORRIENTE | Ident-Nr. | 985574608 | = | U |
| 2 | | | | | Ausgabe | 18.09.09 | Iwerofo | Copyright (c) | + | | | | H | |
| 1 | | | | | | | | | | | Blatt | 43 | | |
| | Änderung | | Datum | Name | | Datum | Name | | | | Zeich-Nr. | 3262-920 28.00.001-010 | von | 154 |

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|---------------------------------------|--|---------------------------------------|--|---------------------------------------|--|---------------------------------------|--|---|--|---|--|---|--|--|--|
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
| TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | |
| MÓDULO DE E/S 1 | | MÓDULO DE E/S 2 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 1 | | MÓDULO DE E/S 1 | | MÓDULO DE E/S 1 | | MÓDULO DE E/S 1 | | MÓDULO DE E/S 1 | |
| E.AGND1.1 /20.3 -X612 1 2 | | E.AGND2.1 /21.3 -X622 1 2 | | E.AGND5.1 /24.3 -X652 1 2 | | E.GNDA1.0 /20.2 -X611 1 2 | | E.GNDA1.1 /20.2 -X611 1 4 | | E.GNDA1.2 /20.2 -X611 1 6 | | E.GNDA1.3 /20.2 -X611 1 8 | | E.GND1.3 /20.1 -X613 1 2 | |
| -XM1 1 2 /133.4 | | -XM3 1 /133.4 | | | | | | | | | | | | | |
| TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | |
| MÓDULO DE E/S 2 | | MÓDULO DE E/S 2 | | MÓDULO DE E/S 2 | | MÓDULO DE E/S 2 | | MÓDULO DE E/S 2 | | MÓDULO DE E/S 2 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | |
| E.GNDA2.0 /21.2 -X621 1 2 | | E.GNDA2.1 /21.2 -X621 1 4 | | E.GNDA2.2 /21.2 -X621 1 6 | | E.GNDA2.3 /21.2 -X621 1 8 | | E.GNDA2.2 /21.1 -X623 1 2 | | E.GNDA5.0 /24.2 -X651 1 2 | | E.GNDEA5.2 /24.2 -X651 1 10 | | E.GND5.3 /24.1 -X653 1 2 | |
| -XM2 1 /133.4 | | -XM2 1 /133.4 | | | | | | | | | | | | | |
| TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | |
| MÓDULO DE E/S 3 | | MÓDULO DE E/S 3 | | MÓDULO DE E/S 3 | | MÓDULO DE E/S 3 | | MÓDULO DE E/S 3 | | MÓDULO DE E/S 3 | | MÓDULO DE E/S 3 | | MÓDULO DE E/S 5 | |
| E.GNDA3.0 /22.2 +F 1 2 -X631 | | E.GNDA3.1 /22.2 +F 1 4 -X631 | | E.GNDA3.2 /22.2 +F 1 6 -X631 | | E.GNDA3.3 /22.2 +F 1 8 -X631 | | E.GNDEA3.2 /22.2 +F 1 10 -X631 | | E.GNDA5.1 /24.2 -X651 1 4 | | E.GNDEA5.2 /24.2 -X651 1 10 | | E.GND5.2 /24.2 -X651 1 6 | |
| -XM5 1 6 /133.7 | | -XM5 1 6 /133.7 | | | | | | | | | | | | | |
| TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | |
| MÓDULO DE E/S 4 | | MÓDULO DE E/S 4 | | MÓDULO DE E/S 4 | | MÓDULO DE E/S 4 | | MÓDULO DE E/S 4 | | MÓDULO DE E/S 4 | | MÓDULO DE E/S 4 | | MÓDULO DE E/S 5 | |
| E.GNDA4.0 /23.2 +F 1 2 -X641 | | E.GNDA4.1 /23.2 +F 1 4 -X641 | | E.GNDA4.2 /23.2 +F 1 6 -X641 | | E.GNDA4.3 /23.2 +F 1 8 -X641 | | E.GNDEA4.2 /23.2 +F 1 10 -X641 | | E.GNDA4.3 /23.1 +F 1 2 -X643 | | E.GNDEA4.3 /23.3 +F 1 2 -X643 | | E.GNDA5.3 /24.2 -X651 1 8 | |
| -XM5 1 5 /133.7 | | -XM5 1 5 /133.7 | | | | | | | | | | | | | |
| TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | |
| MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | | MÓDULO DE E/S 5 | |
| E.GNDA5.0 /24.2 +F 1 2 -X651 | | E.GNDA5.1 /24.2 +F 1 4 -X651 | | E.GNDA5.2 /24.2 +F 1 6 -X651 | | E.GNDA5.3 /24.2 +F 1 8 -X651 | | E.GNDEA5.2 /24.2 +F 1 10 -X651 | | E.GNDEA5.2 /24.2 +F 1 10 -X651 | | E.GNDEA5.2 /24.2 +F 1 10 -X651 | | E.GNDA5.2 /24.2 +F 1 10 -X651 | |
| -XM5 1 5 /133.7 | | -XM5 1 5 /133.7 | | | | | | | | | | | | | |
| TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | | TENSIÓN DE SERVICIO | |

CAJA DE APOYO DERECHA

MÓDULO DE E/S SOPORTE / SUJECIÓN

PUNTO DE APOYO DE MASA

TORNILLO

CAJA DE APOYO IZQUIERDA

MÓDULO DE E/S SOPORTE / SUJECIÓN

PUNTO DE APOYO DE MASA

TORNILLO

19L /43.6

+F

-X642 1 2

E.DE4.3

/23.3

19L /43.6

+F

-X642 1 2

E.DE4.3

/23.3

19L /43.6

+F

-X642 1 2

E.DE4.3

/23.3

19L /43.6

+F

-X642 1 2

E.DE4.3

/23.3

19L /43.6

+F

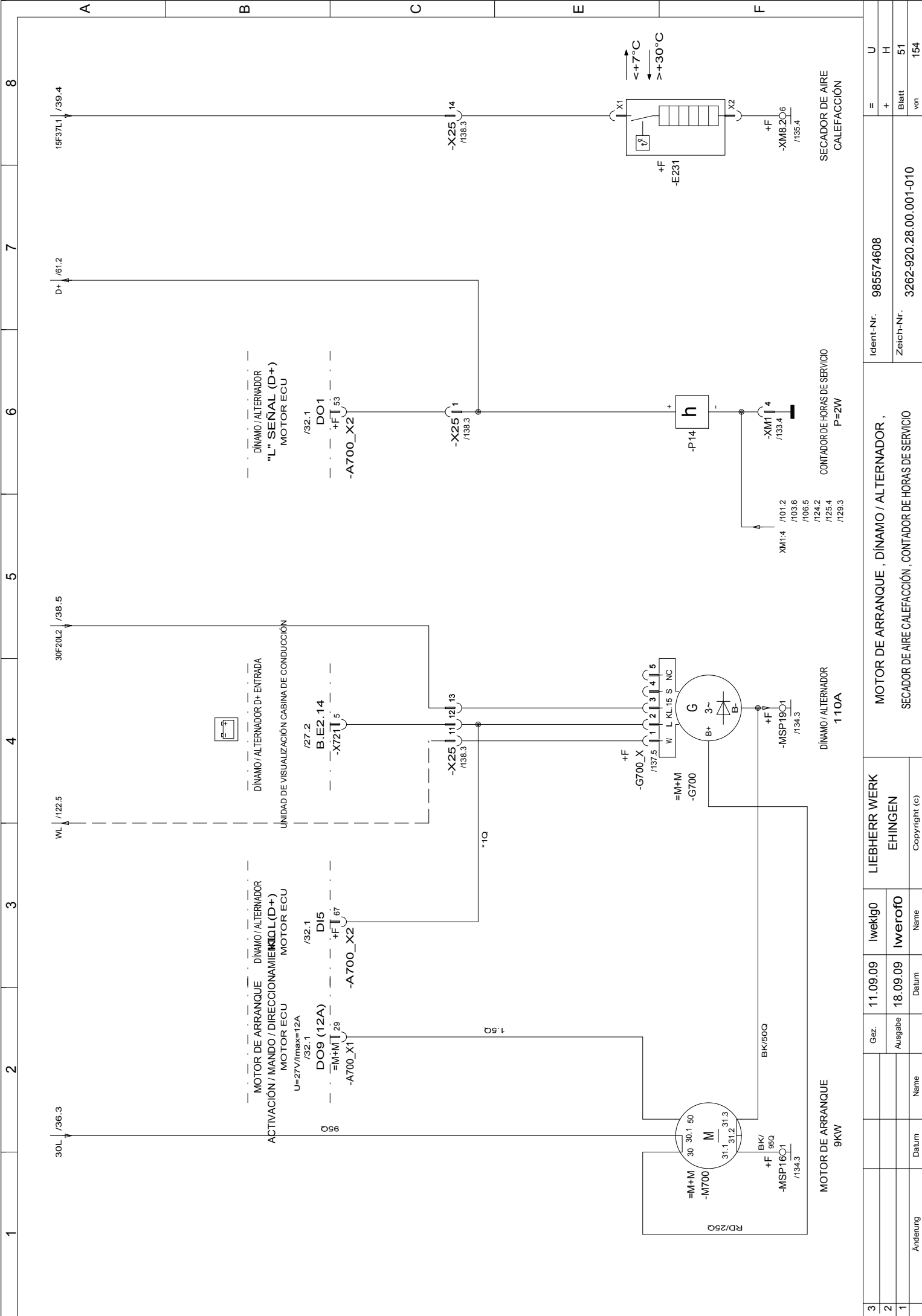
-X642 1

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| <div> <div>A</div> <div>B</div> <div>C</div> <div>E</div> <div>F</div> </div> | | | | | | | |
| <div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPIIMOS1.1</div> <div>-X614</div> <div>8</div> </div> </div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPIRSTN1.1</div> <div>-X614</div> <div>7</div> </div> </div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPIIMOS1.1</div> <div>-X614</div> <div>6</div> </div> </div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPISCS1.1</div> <div>-X614</div> <div>5</div> </div> </div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPISCK1.1</div> <div>-X614</div> <div>3</div> </div> </div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPIGND1.1</div> <div>-X614</div> <div>2</div> </div> </div> <div> <div>SPI</div> <div>MÓDULO DE E/S 1</div> <div> <div>/20.1</div> <div>E.SPI24V1.1</div> <div>-X614</div> <div>1</div> </div> </div> </div> | | | | | | | |
| <div> <div> <div>Q</div> <div>2</div> <div>3</div> </div> <div> <div>Q</div> <div>2</div> <div>3</div> </div> <div> <div>Q</div> <div>2</div> <div>3</div> </div> <div> <div>Q</div> <div>2</div> <div>3</div> </div> <div> <div>Q</div> <div>2</div> <div>3</div> </div> <div> <div>Q</div> <div>2</div> <div>3</div> </div> </div> | | | | | | | |
| <div> <div> <div>-X714</div> <div>8</div> </div> <div> <div>-X714</div> <div>7</div> </div> <div> <div>-X714</div> <div>6</div> </div> <div> <div>-X714</div> <div>5</div> </div> <div> <div>-X714</div> <div>3</div> </div> <div> <div>-X714</div> <div>2</div> </div> <div> <div>-X714</div> <div>1</div> </div> </div> | | | | | | | |
| <div> <div> <div>B.SPIIMOS1.1</div> <div>/25.1</div> </div> <div> <div>B.SPIRSTN1.1</div> <div>/25.1</div> </div> <div> <div>B.SPIIMOS1.1</div> <div>/25.1</div> </div> <div> <div>B.SPISCS1.1</div> <div>/25.1</div> </div> <div> <div>B.SPISCK1.1</div> <div>/25.1</div> </div> <div> <div>B.SPIGND1.1</div> <div>/25.1</div> </div> <div> <div>B.SPI24V1.1</div> <div>/25.1</div> </div> </div> | | | | | | | |
| <div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> <div>UNIDAD DE TECLADO CABINA DE CONDUCCIÓN</div> </div> | | | | | | | |
| <div> <div>SPI</div> <div>SPI</div> <div>SPI</div> <div>SPI</div> <div>SPI</div> <div>SPI</div> <div>SPI</div> </div> | | | | | | | |
| <div> <div>Ident-Nr.</div> <div>985574608</div> </div> | | | | | | | |
| <div> <div>Zeich-Nr.</div> <div>3262-920.28.00.001-010</div> </div> | | | | | | | |
| <div> <div>U</div> <div>H</div> <div>46</div> <div>154</div> </div> | | | | | | | |

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|---|----------|-------|------|---------|----------|---------|--------------------------|---------------|
| 3 | | | | Gez. | 11.09.09 | lwelkg0 | LIEBHERR WERK EHINGEN | Copyright (c) |
| 2 | | | | Ausgabe | 18.09.09 | lwerof0 | | |
| 1 | | | | Name | Datum | Name | | |
| | Änderung | Datum | Name | | | | | |

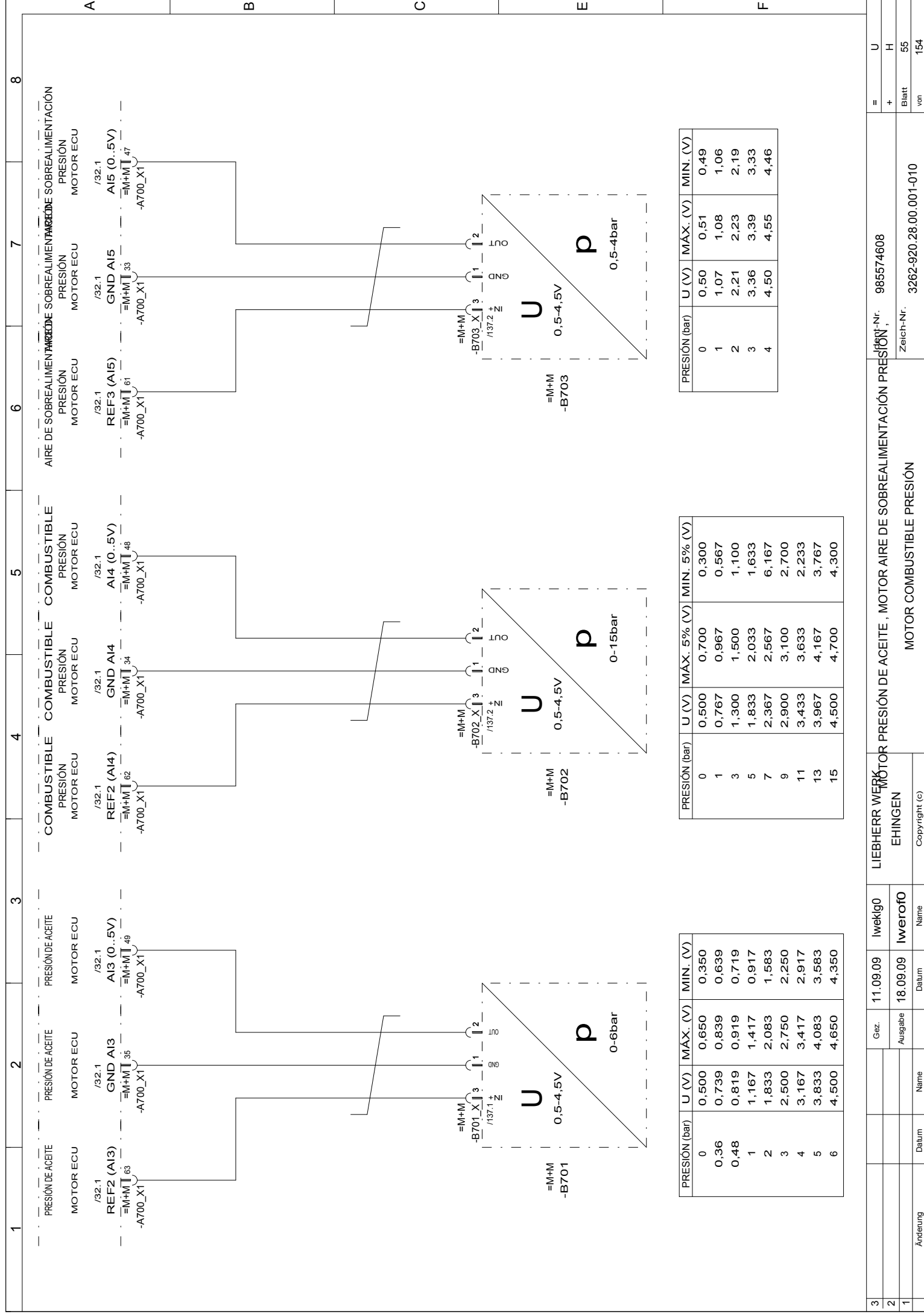
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| = | U |
| + | H |
| Blatt | 46 |
| von | 154 |

[illegible]

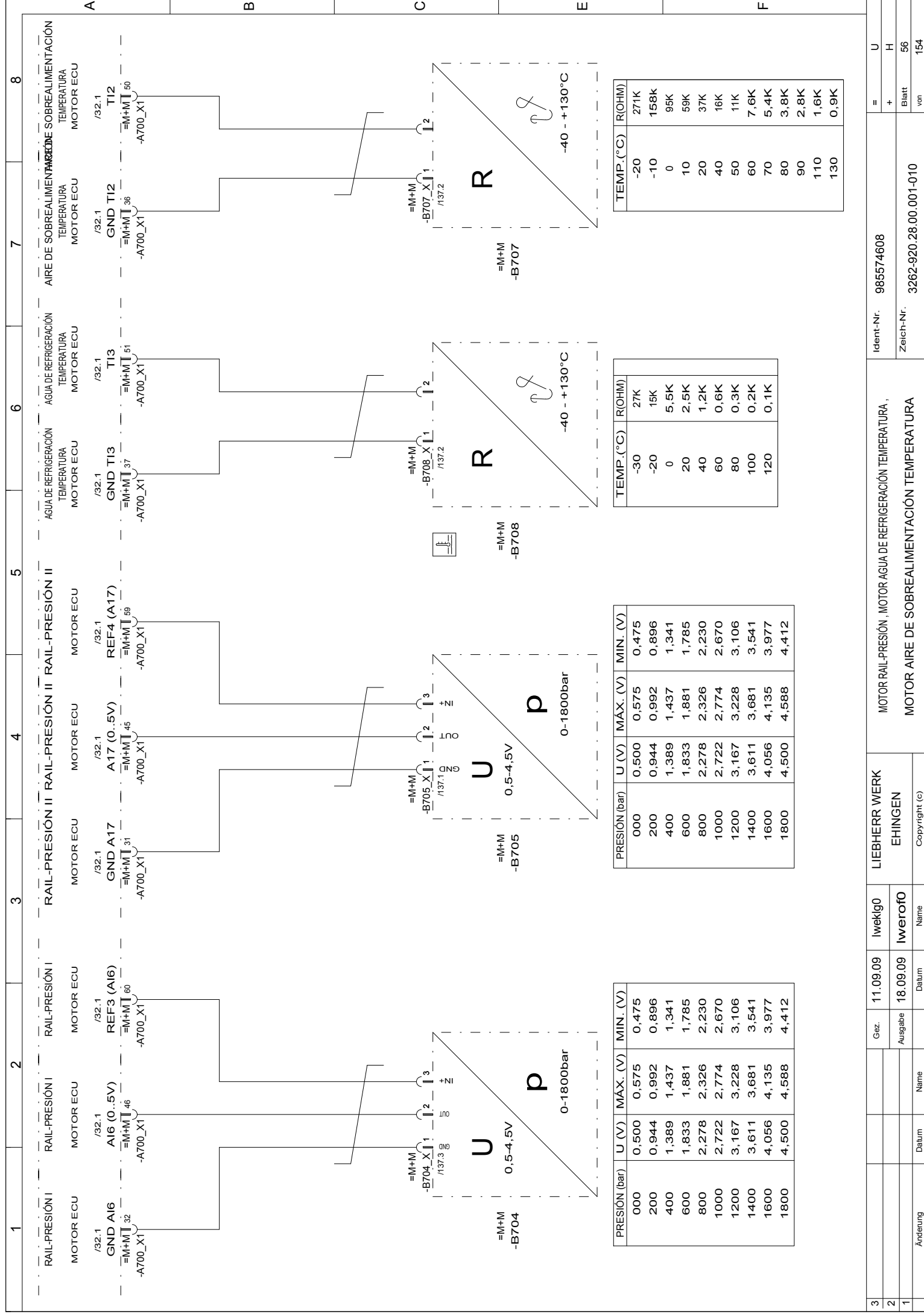


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|---|----------|--|---------|----------|---------|--------------------------|--|---|--|-----------|-----------|-----|--|
| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK EHINGEN | | MOTOR DE ARRANQUE , DINAMO / ALTERNADOR , SECCADOR DE AIRE CALEFACCION , CONTADOR DE HORAS DE SERVICIO | | Ident-Nr. | 985574608 | U | |
| 2 | | | Ausgabe | 18.09.09 | Iwerof0 | | | | | + | | H | |
| 1 | Änderung | | Name | Datum | Name | Copyright (c) | | | | Blatt | 51 | von | |
| | | | | | | | | | | | | 154 | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|--|--------------------------|--|------------------------|--|-------------|--|
| POSICIÓN DE PEDAL ACELERADOR | | POSICIÓN DE PEDAL ACELERADOR | | POSICIÓN DE PEDAL ACELERADOR | | POSICIÓN DE PEDAL ACELERADOR | | POSICIÓN DE PEDAL ACELERADOR | | DIAGNÓSTICO | | DIAGNÓSTICO | | DIAGNÓSTICO | |
| MOTOR ECU | | MOTOR ECU | | MOTOR ECU | | MOTOR ECU | | MOTOR ECU | | MOTOR ECU | | MOTOR ECU | | MOTOR ECU | |
| A19 (0..20mA) | | GND A19 | | POWER A19 | | AI10 (0..20mA) | | GND AI10 | | POWER AI10 | | GND RS232 | | RS232 TXD | |
| -A700_X2 | | -A700_X2 | | -A700_X2 | | -A700_X2 | | -A700_X2 | | -A700_X2 | | -A700_X2 | | -A700_X2 | |
| +F 34 | | +F 33 | | +F 35 | | +F 48 | | +F 47 | | +F 49 | | +F 38 | | +F 36 | |
| /32.1 | | /32.1 | | /32.1 | | /32.1 | | /32.1 | | /32.1 | | /32.1 | | /32.1 | |
| A | | B | | C | | D | | E | | F | | G | | H | |
| | | | | | | | | | | | | | | | |
| 3 | | 2 | | 1 | | 4 | | 3 | | 2 | | 1 | | 0 | |
| Gez. | | Ausgabe | | Datum | | Name | | Copyright (c) | | Ident-Nr. | | Blatt | | von | |
| 11.09.09 | | 18.09.09 | | 18.09.09 | | 18.09.09 | | 18.09.09 | | 985574608 | | 53 | | 154 | |
| LIEBHERR WERK | | Iwek1g0 | | Iwerof0 | | Iwerof0 | | Iwerof0 | | MOTOR PEDAL ACELERADOR , | | 3262-920.28.00.001-010 | | U | |
| EHINGEN | | Iwek1g0 | | Iwerof0 | | Iwerof0 | | Iwerof0 | | MOTOR DIAGNÓSTICO | | 3262-920.28.00.001-010 | | H | |
| Datum | | Name | | Name | | Name | | Name | | MOTOR DIAGNÓSTICO | | 3262-920.28.00.001-010 | | 53 | |
| Datum | | Name | | Name | | Name | | Name | | MOTOR DIAGNÓSTICO | | 3262-920.28.00.001-010 | | 154 | |

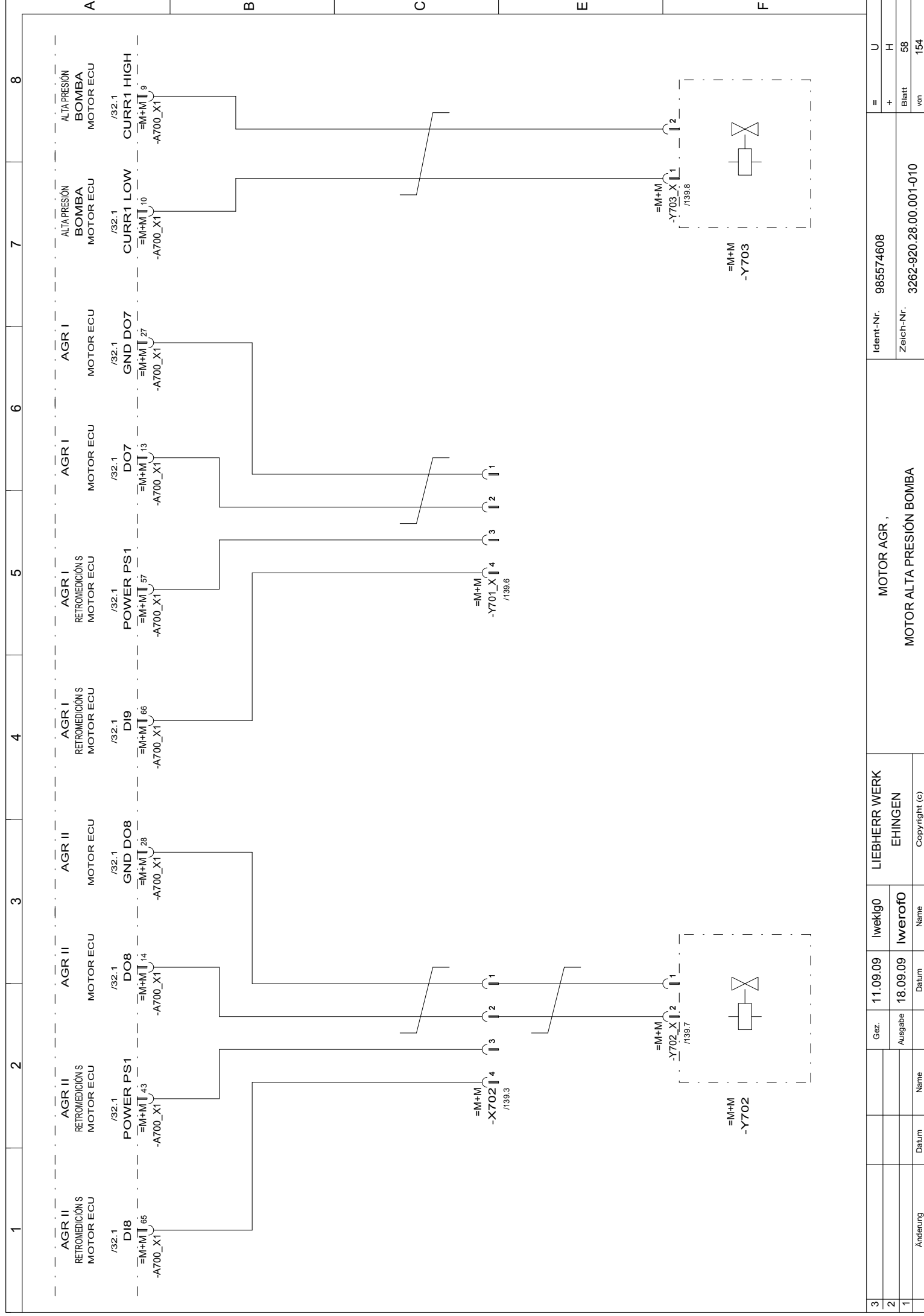


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| 3 | | | | Gez. | 11.09.09 | Iwekg0 | LIEBHERR WERK MOTOR PRESIÓN DE ACEITE, MOTOR AIRE DE SOBREALIMENTACIÓN PRESIÓN | | Ident-Nr. 985574608 | = | U |
| 2 | | | | Ausgabe | 18.09.09 | Iwerofo | EHINGEN | | | + | H |
| 1 | | | | | | | MOTOR COMBUSTIBLE PRESIÓN | | Zeich-Nr. 3262-920 28 00.001-010 | Blatt von | 55 154 |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | | | |

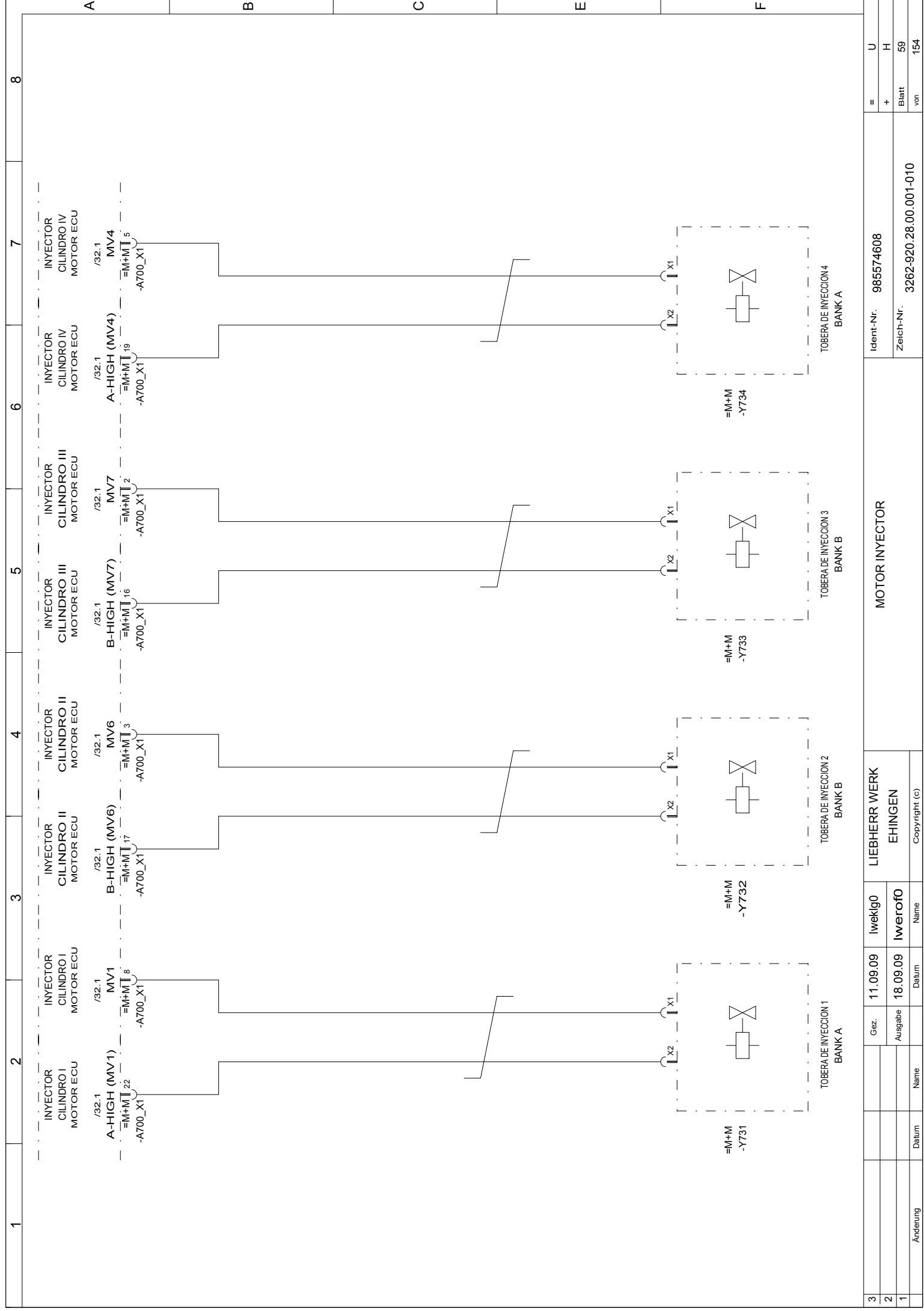


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| 3 | | | | Gez. | 11.09.09 | Iwekg0 | LIEBHERR WERK EHINGEN | | MOTOR RAIL-PRESIÓN, MOTOR AGUA DE REFRIGERACIÓN TEMPERATURA , MOTOR AIRE DE SOBREALIMENTACIÓN TEMPERATURA | Ident-Nr. 985574608 | = U + H |
| 2 | | | | Ausgabe | 18.09.09 | Iwerofo | | | | | |
| 1 | | | | | | | | | | Zeich-Nr. 3262-920 28 00.001-010 | Blatt 56 von 154 |
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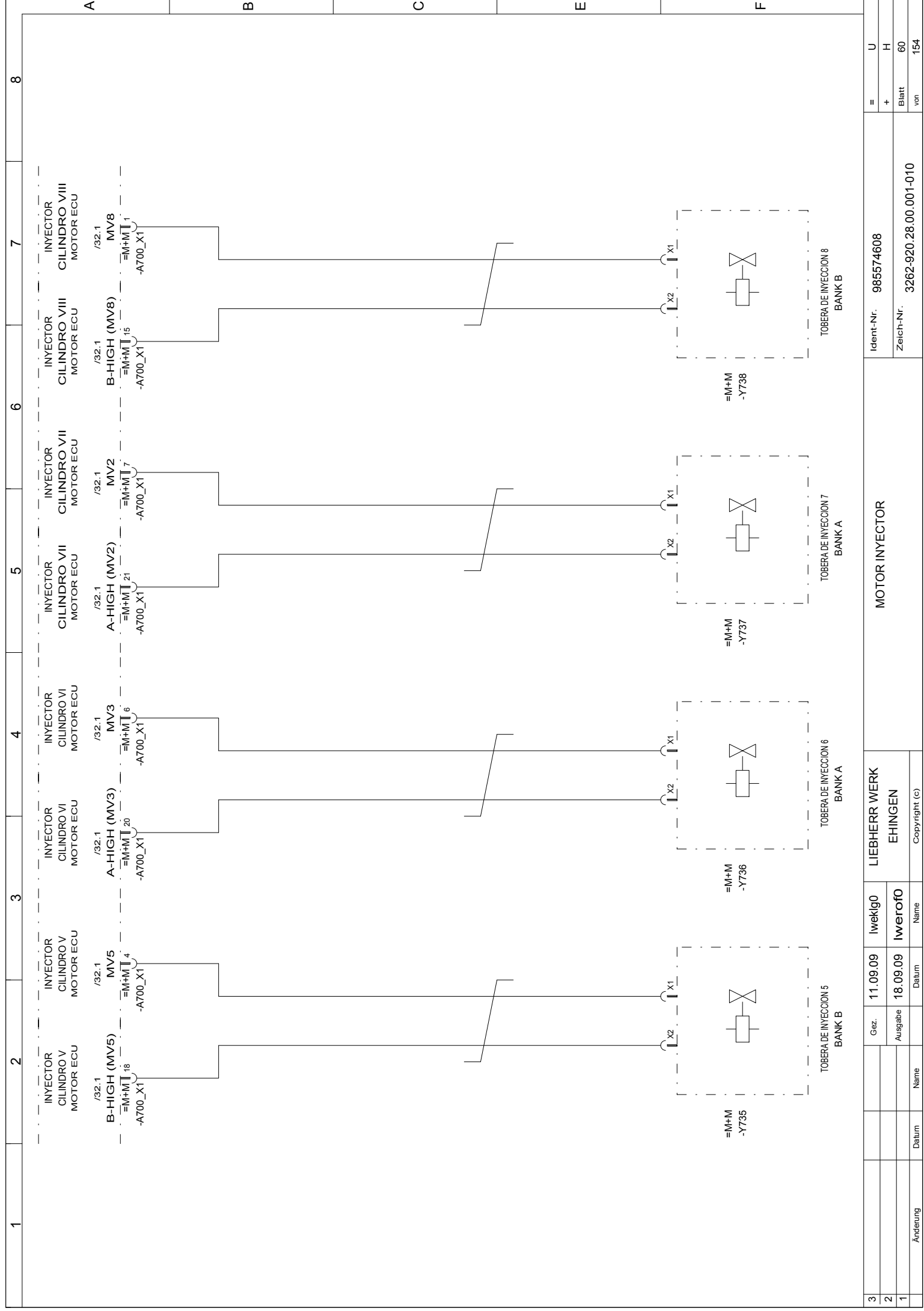
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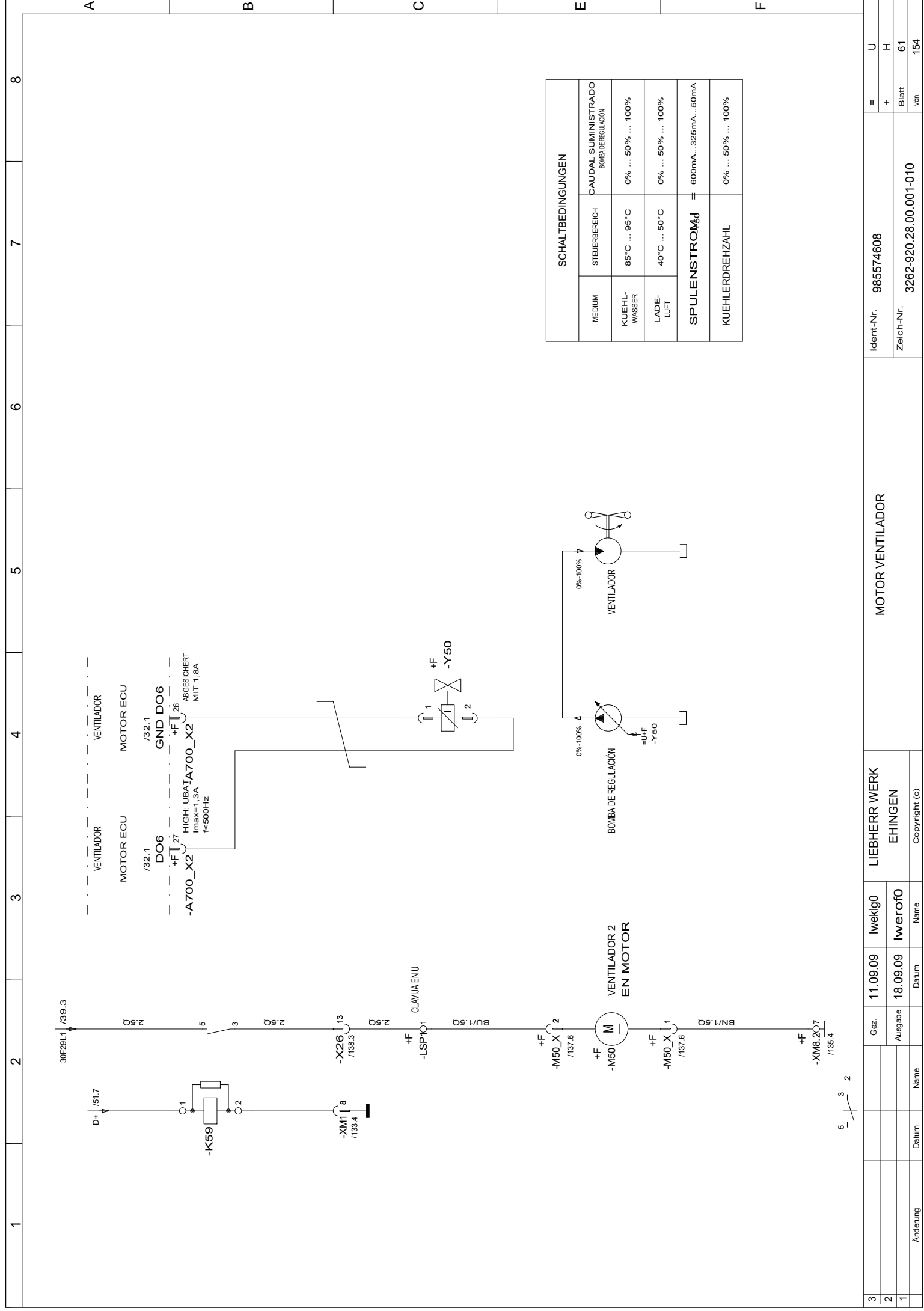
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| 3 | | | | Gez. | 11.09.09 | Iwekig0 | LIEBHERR WERK EHINGEN | | MOTOR AGR , | | Ident-Nr. | 985574608 | = | U |
| 2 | | | | | | | | | | | | | + | H |
| 1 | | | | Ausgabe | 18.09.09 | Iwerofo | | | MOTOR ALTA PRESIÓN BOMBA | | Zeich-Nr. | 3262-920 28 00.001-010 | Blatt von | 58 154 |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | | | | | | |



| | | | | | | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|----------------|---------------------|-----|----------------------------------|----------|
| 3 | | | | Gez. | 11.09.09 | lweklg0 | LIEBHERR WERK EHINGEN | MOTOR INYECTOR | Ident-Nr. 985574608 | = U | | |
| 2 | | | | Ausgabe | 18.09.09 | lwerofo | | | | | Zeich-Nr. 3262-920.28.00.001-010 | Blatt 59 |
| 1 | | | | | | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | | | | |



| | | | | | | | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|----------------|---------------------|---------|----------------------------------|----------|-----|
| 3 | | | | Gez. | 11.09.09 | lweklg0 | LIEBHERR WERK EHINGEN | MOTOR INJECTOR | Ident-Nr. 985574608 | = U | | | |
| 2 | | | | Ausgabe | 18.09.09 | lwerofo | | | | | Zeich-Nr. 3262-920.28.00.001-010 | Blatt 60 | + H |
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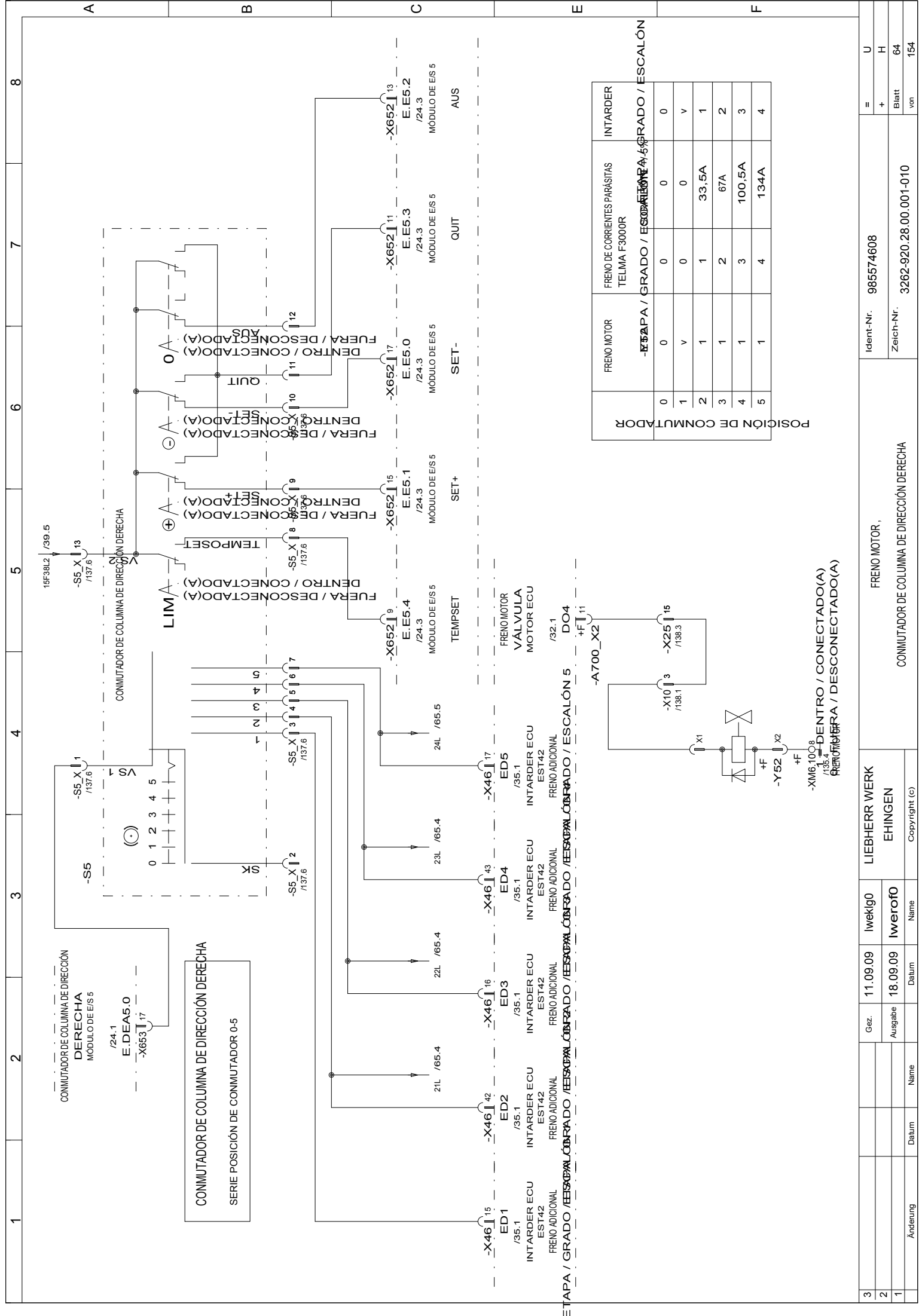


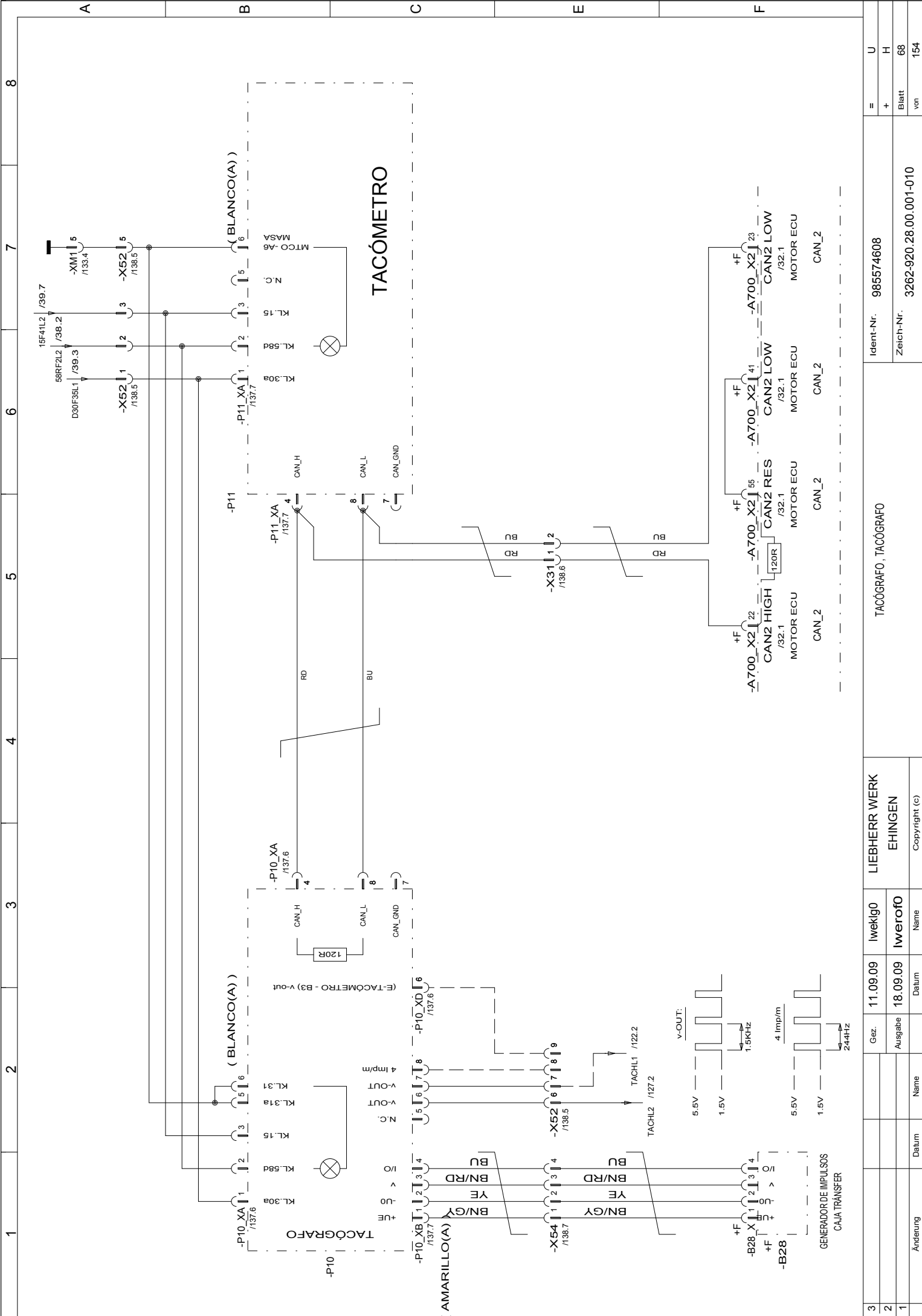
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| 2 | | | | Ausgabe | 18.09.09 | lwerofo | | | | + H |
| 1 | | | | | | | | | | Blatt 61 |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | Zeich-Nr. 3262-920.28.00.001-010 | von 154 | |



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| Zeich-Nr. | 3262-920.28.00.001-010 |

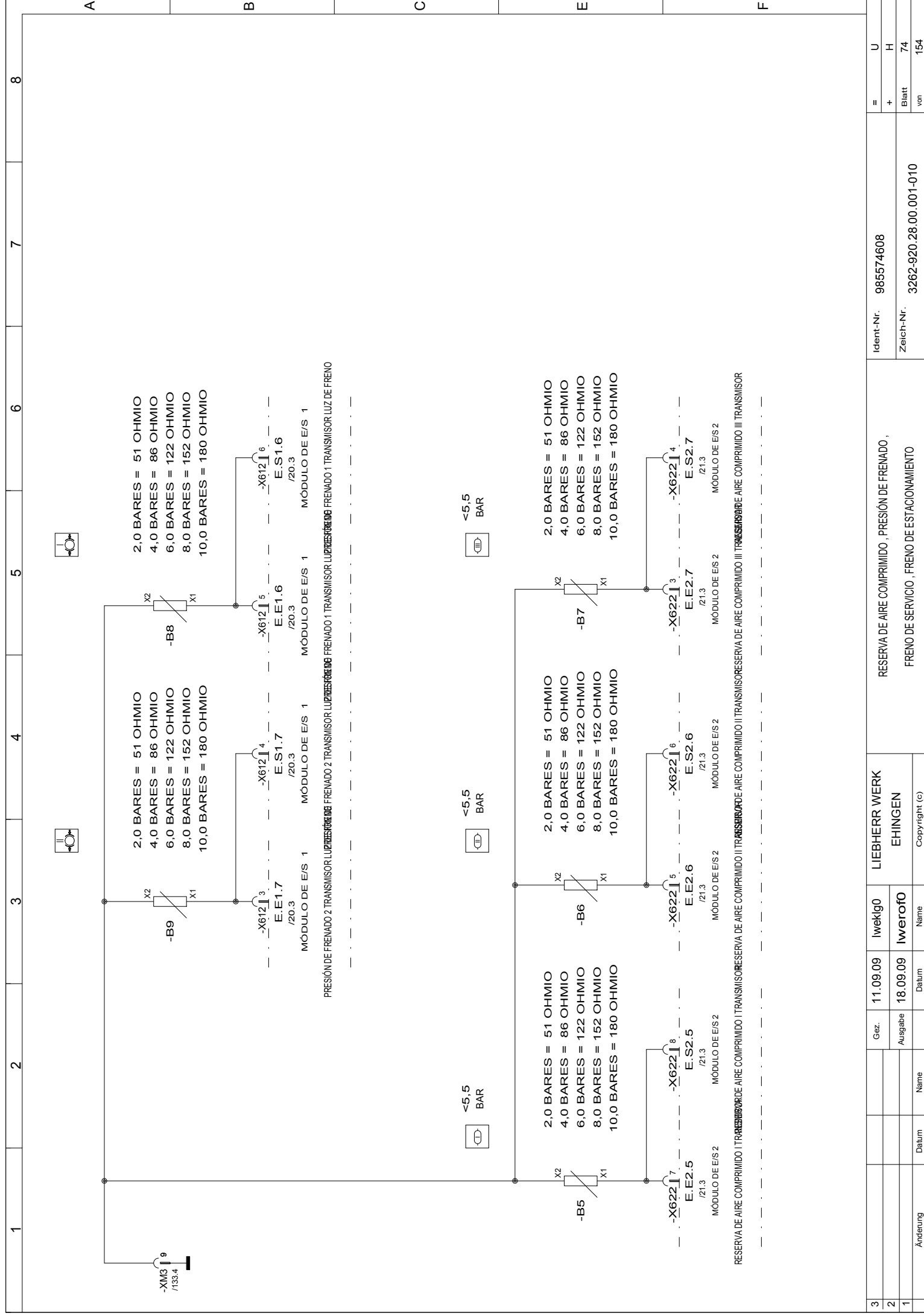
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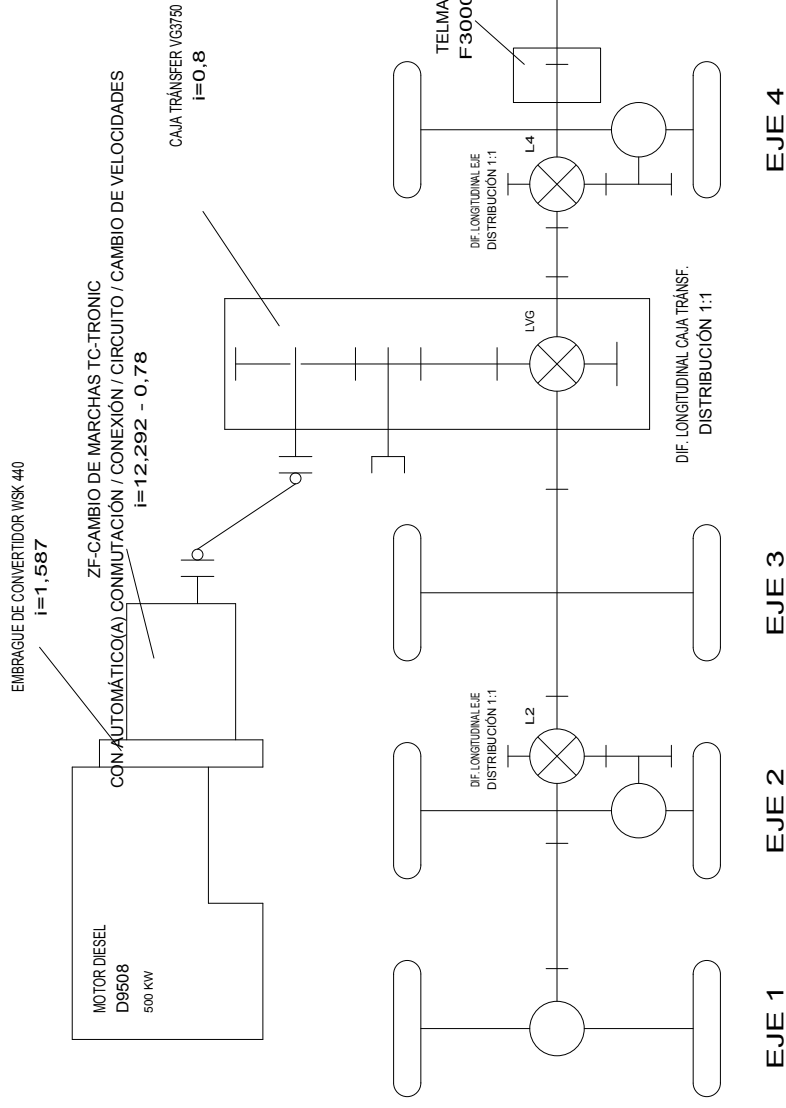
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| 3 | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | TACÓGRAFO, TACÓGRAFO | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerofb | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | Blatt | 68 | von | 154 |

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|---|---|---|---|---|--|---|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| <div style="display: flex; justify-content: space-between;"> A B C E F </div> <p>BREMSSEL 15F37L2 /39.5</p> <p>15F37L2 /39.5</p> <p>S116 P =>0.2..0.5 BARES</p> <p>S114 P >5.5 BARES</p> <p>X1 X2</p> <p>X1 X2</p> <p>X653 3 E DE A5.7 /24.1 MÓDULO DE E/S 5 FRENO DE SERVICIO LUZ DE FRENO</p> <p>X652 7 E E5.5 /24.3 MÓDULO DE E/S 5 FRENO DE ESTACIONAMIENTO</p> <p>(P)</p> | | | | | | | |
| 3 | | | | | FRENO DE SERVICIO , FRENO DE ESTACIONAMIENTO | | Ident-Nr. 985574608 |
| 2 | | | | | LIEBHERR WERK EHINGEN | | = + U |
| 1 | | | | | 11.09.09 18.09.09 | | Blatt 73 |
| | | | | | Ausgabe | | von 154 |
| | | | | | Datum Name | | |
| | | | | | Copyright (c) | | |



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|---|----------|-------|------|---------|----------|---------|--------------------------|--|---|-----------|------------------------|--------------|-----------|
| 3 | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | RESERVA DE AIRE COMPRIMIDO , PRESIÓN DE FRENADO , FRENO DE SERVICIO , FRENO DE ESTACIONAMIENTO | Ident-Nr. | 985574608 | = | U |
| 2 | | | | Ausgabe | 18.09.09 | Iwerofo | | | | | | + | H |
| 1 | Änderung | Datum | Name | | | | Copyright (c) | | | Zeich-Nr. | 3262-920 28 00.001-010 | Blatt von | 74 154 |

ACCIONAMIENTO



BLOQUEO DIFERENCIAL LONGITUDINAL Y BLOQUEO DIFERENCIAL TRANSVERSAL

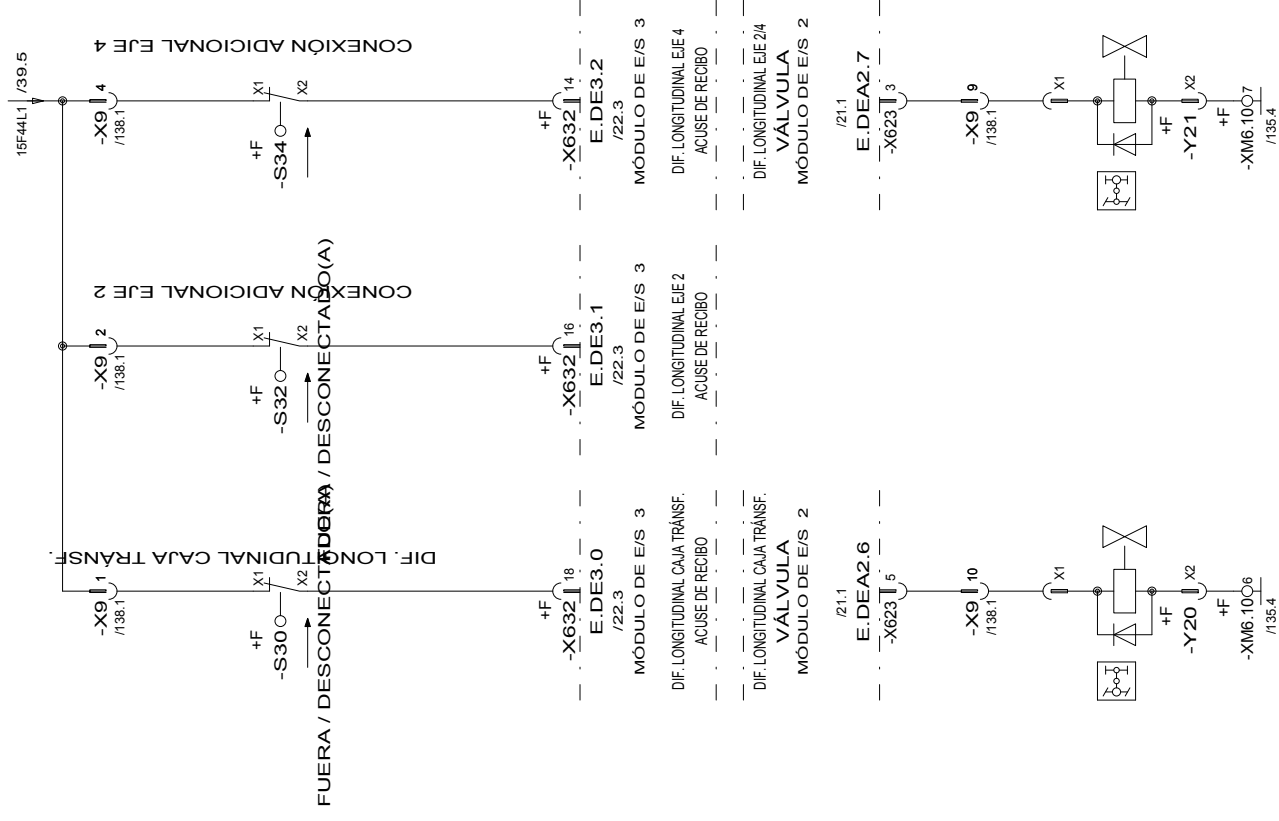
CONDICIÓN PREVIA: VELOCIDAD max. 1km/h

RESTRICCIONES : BLOQUEO DIFERENCIAL LONGITUDINAL Y BLOQUEO DIFERENCIAL TRANSVERSAL ENCAJADO(A) / INSERTADO(A) / METIDO(A) /
LIMITACIÓN VELOCIDAD ARRIBA max. 40 km/h

ACCIÓN / CONEXIÓN / CIRCUITO / CAMBIO DE VELOCIDADES :

2. BLOQUEO DIFERENCIAL LONGITUDINAL EJE 2 (L2) - BLOQUEO DIFERENCIAL LONGITUDINAL EJE 4 (L4)

| | | | | | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|--|----------------------------------|---------------------|---------------|
| 3 | | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | TREN PROPULSOR DIAGRAMA FUNCIONAL , BLOQUEOS DIFERENCIALES DIAGRAMA FUNCIONAL | Ident-Nr. 985574608 | = U | |
| 2 | | | | Ausgabe | 18.09.09 | Iwerof0 | | | | | Copyright (c) |
| 1 | Änderung | Datum | Name | | | | | | | | |
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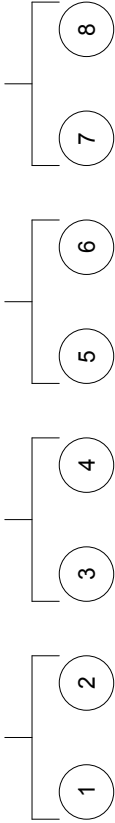

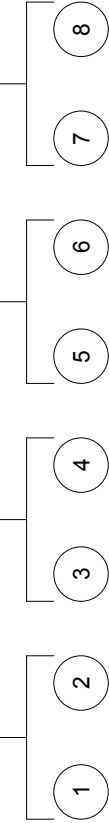
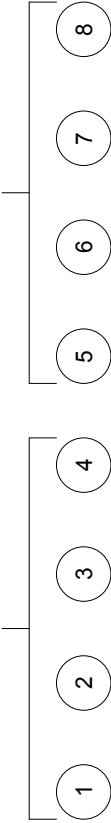
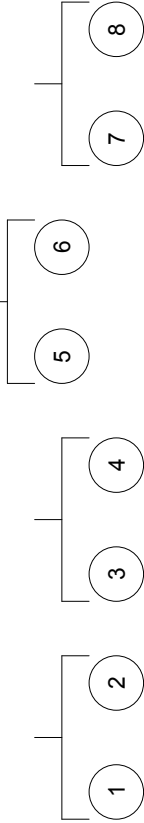


DIF. LONGITUDINAL CAJA TRÁNSF.

DIF. LONGITUDINAL EJE 2/4

| | | | | | | | | | | | | | | | |
|---|--|--|--|--|---------|----------|---------|--------------------------|------|------------------------|------------------------|-----------|--------------|---|-----------|
| 3 | | | | | Gez. | 11.09.09 | Iweklq0 | LIEBHERR WERK EHINGEN | | BLOQUEOS DIFERENCIALES | | Ident-Nr. | 985574608 | = | U |
| 2 | | | | | Ausgabe | 18.09.09 | Iwerofo | | | | | Zeich-Nr. | | + | H |
| 1 | | | | | | | | Datum | Name | Copyright (c) | 3262-920.28.00.001-010 | | Blatt von | | 76 154 |

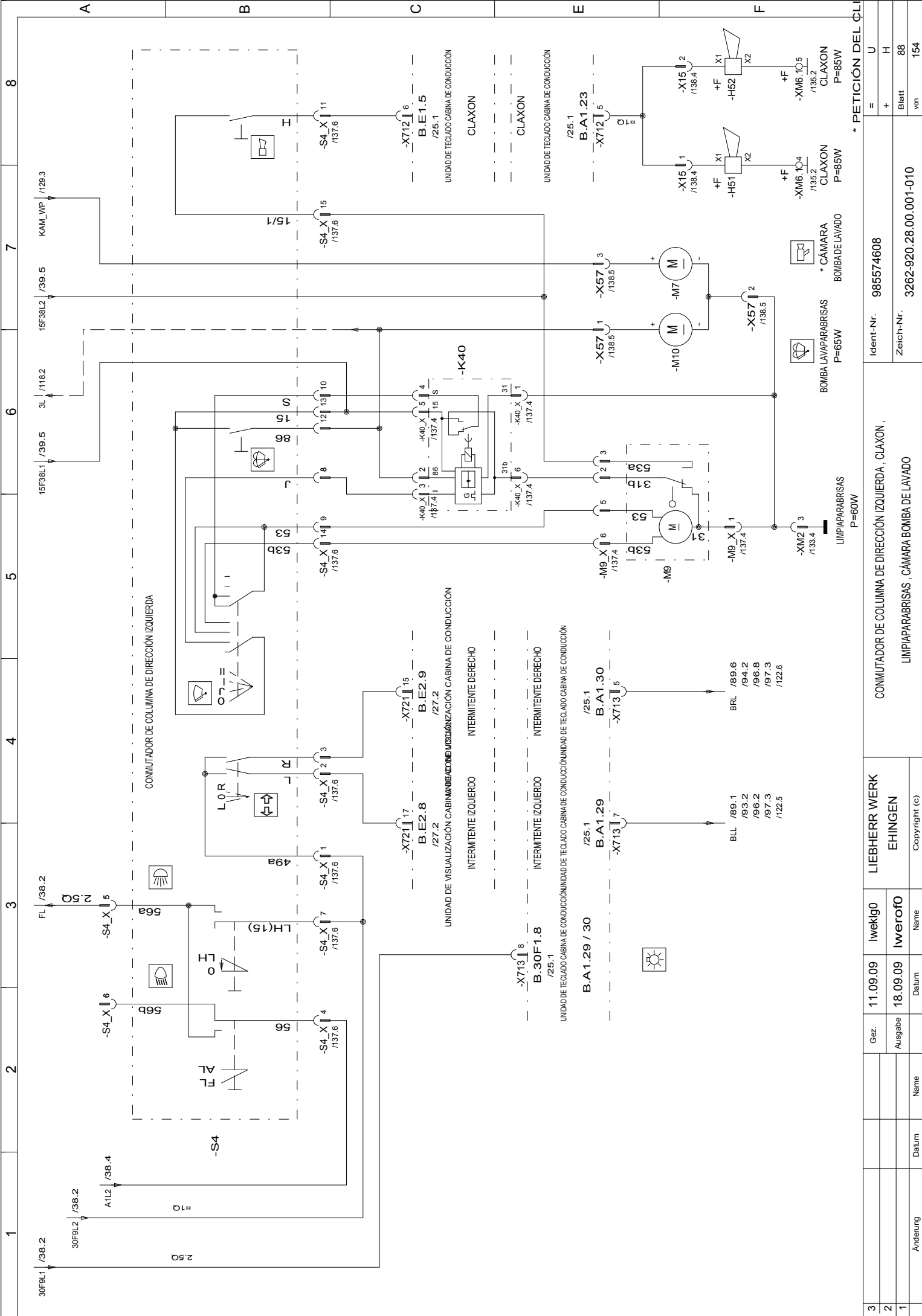
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|--|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CON SUSPENSION | | | | | | | |
| A | | | | | | | |
| MARCHA POR CARRETERA | | | | | | | |
| SIN COMPENSACION | | | | | | | |
|  | | | | | | | |
| B | | | | | | | |
| PROCESO DE NIVELACION FUNCIONAMIENTO NORMAL | | | | | | | |
| COMPENSACION EJES 1-4 + 5-8 (AUTOMATICO(A) / AUTOMATICAMENTE) | | | | | | | |
| NIVELACION AUTOMATICA POSIBLE | | | | | | | |
| NIVELACION MANUAL POSIBLE | | | | | | | |
|  | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| VEHICULO ESTABILIZADO(A) / APOYADO(A) | | | | | | | |
| NIVELACION MANUAL NO POSIBLE | | | | | | | |
|  | | | | | | | |
| F | | | | | | | |
| DESPLAZAMIENTO CON EQUIPAMIENTO | | | | | | | |
| COMPENSACION EJES 1-4 + 5-8 (MANUAL) | | | | | | | |
| NIVELACION MANUAL POSIBLE | | | | | | | |
|  | | | | | | | |
| DIRECCION DE EJE TRASERO / MARCHA CANGREJO | | | | | | | |
| EJES 5+6 LEVANTADO(A) | | | | | | | |
| NIVELACION AUTOMATICA NO POSIBLE | | | | | | | |
| NIVELACION MANUAL NO POSIBLE | | | | | | | |
|  | | | | | | | |
| SUSPENSION DE EJE DIAGRAMA FUNCIONAL | | | | | | | |
| LIEBHERR WERK EHINGEN | | | | | | | |
| Iweklgo | | | | | | | |
| 11.09.09 | | | | | | | |
| Gez. | | | | | | | |
| Ausgabe | | | | | | | |
| 18.09.09 | | | | | | | |
| Iwerofo | | | | | | | |
| Datum | | | | | | | |
| Name | | | | | | | |
| Copyright (c) | | | | | | | |
| Ident-Nr. 985574608 | | | | | | | |
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| von 154 | | | | | | | |

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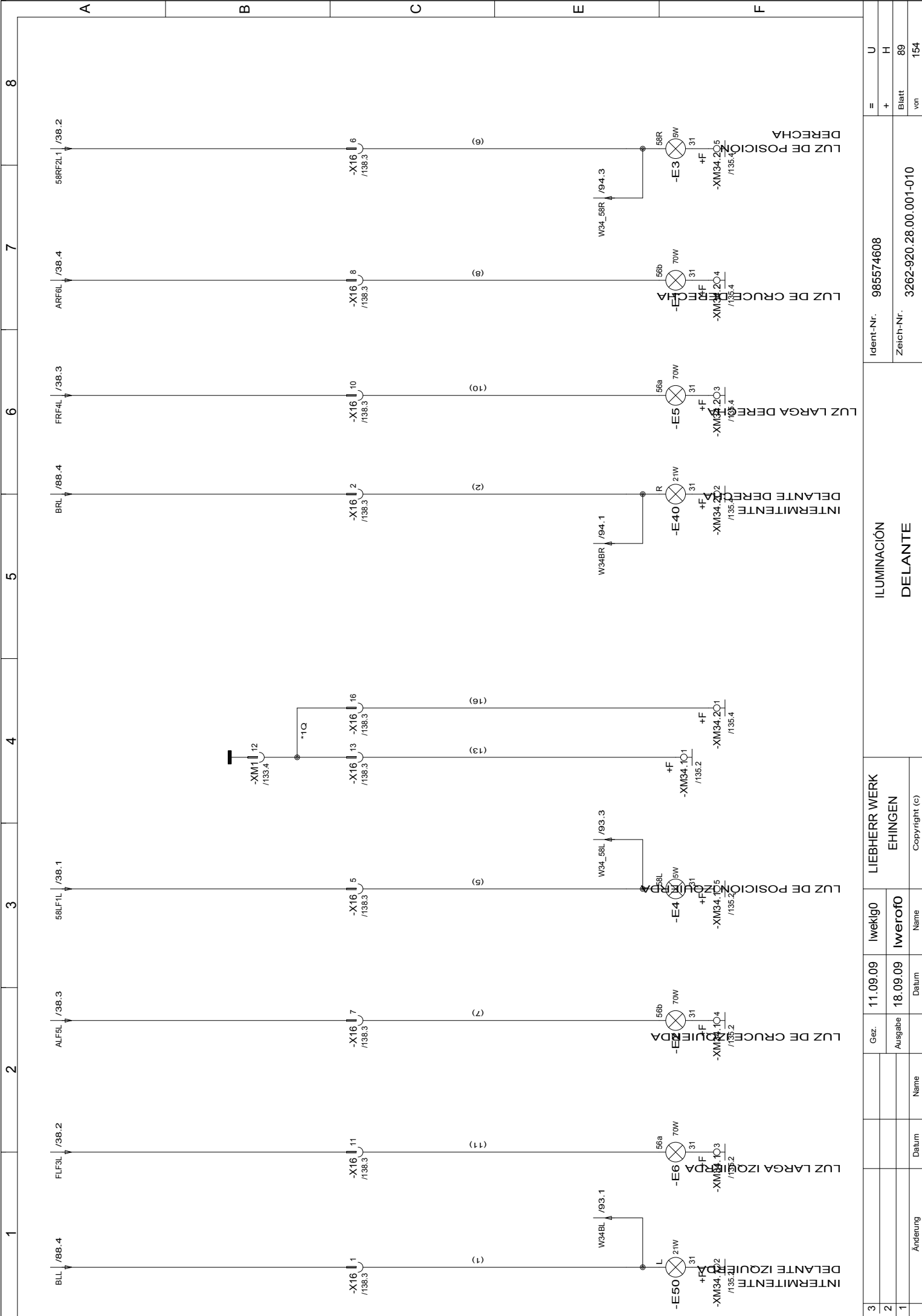
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|--|------------------|----------|----------|-----------------------|--|----------|---------------------|--|------------------|----------|--|--|--|--|--|--|------|------|------|------|-----|--|----------------------|-----|---|---|---|---|---|--|---|-----|--|---|---|---|---|--|--|-----|--|---|---|---|---|--|-------------------|--|--|--|--|--|--|--|---|--|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td></td><td>PRESIÓN [bar]</td><td colspan="5">VÁLVULAS</td></tr><tr><td></td><td></td><td>-Y91</td><td>-Y92</td><td>-Y93</td><td>-Y95</td><td>-Y5</td><td></td></tr><tr><td>ESTABILIZACIÓN ABAJO</td><td>350</td><td>0</td><td>0</td><td>1</td><td>1</td><td>0</td><td></td></tr><tr><td>LARGUERO CORREDERO DENTRO / CONECTADO(A) ESTABILIZACIÓN ARRIBA</td><td>200</td><td></td><td>1</td><td>0</td><td>1</td><td>0</td><td></td></tr><tr><td>LARGUERO CORREDERO FUERA / DESCONECTADO(A)</td><td>200</td><td></td><td>0</td><td>0</td><td>1</td><td>0</td><td></td></tr><tr><td>SUSPENSIÓN DE EJE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>ACEITE DESBLOQUEO / DISPARO / MARCHA CANGREJO</td><td></td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td><td></td></tr></table> | | | | | | | | | PRESIÓN [bar] | VÁLVULAS | | | | | | | -Y91 | -Y92 | -Y93 | -Y95 | -Y5 | | ESTABILIZACIÓN ABAJO | 350 | 0 | 0 | 1 | 1 | 0 | | LARGUERO CORREDERO DENTRO / CONECTADO(A) ESTABILIZACIÓN ARRIBA | 200 | | 1 | 0 | 1 | 0 | | LARGUERO CORREDERO FUERA / DESCONECTADO(A) | 200 | | 0 | 0 | 1 | 0 | | SUSPENSIÓN DE EJE | | | | | | | | ACEITE DESBLOQUEO / DISPARO / MARCHA CANGREJO | | 1 | 0 | 0 | 0 | 1 | |
| | PRESIÓN [bar] | VÁLVULAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | -Y91 | -Y92 | -Y93 | -Y95 | -Y5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ESTABILIZACIÓN ABAJO | 350 | 0 | 0 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LARGUERO CORREDERO DENTRO / CONECTADO(A) ESTABILIZACIÓN ARRIBA | 200 | | 1 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LARGUERO CORREDERO FUERA / DESCONECTADO(A) | 200 | | 0 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUSPENSIÓN DE EJE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACEITE DESBLOQUEO / DISPARO / MARCHA CANGREJO | | 1 | 0 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>ETAPA DE PRESIÓN 1</div> <div>ETAPA DE PRESIÓN 2</div> <div>ETAPA DE PRESIÓN 3</div> <div>ETAPAS DE PRESIÓN</div> <div>ACEITE DESBLOQUEO / DISPARO</div> <div>MÓDULO DE E/S 3</div> <div>MÓDULO DE E/S 3</div> <div>MÓDULO DE E/S 1</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | ETAPA DE PRESIÓN ACTIVACIÓN / MANDO / DIRECCIONAMIENTO | | Ident-Nr. 985574608 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | | = U | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Ausgabe | 18.09.09 | Iwerofro | | | | + H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Änderung | Datum | Name | Copyright (c) | | Blatt 86 | von 154 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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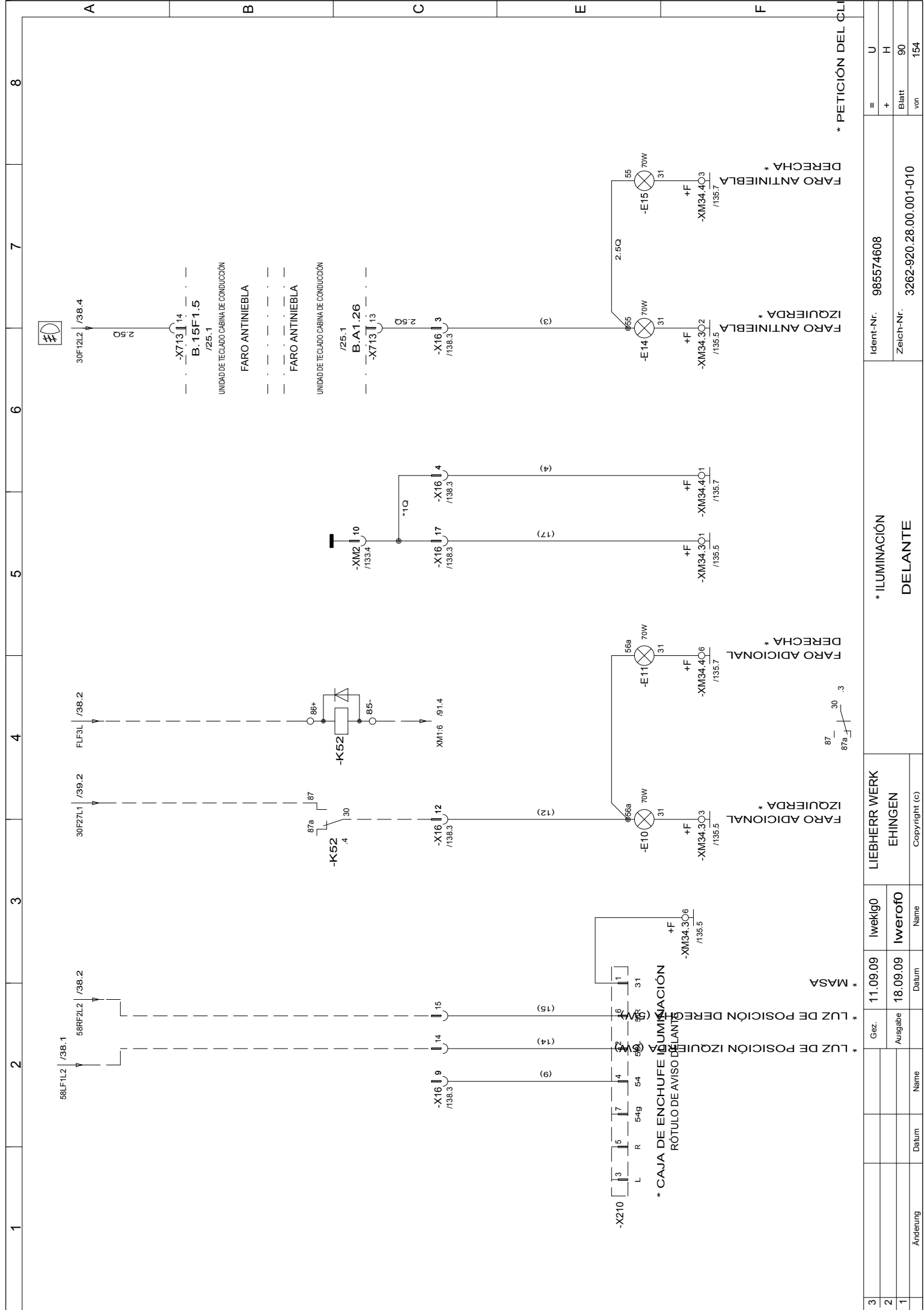


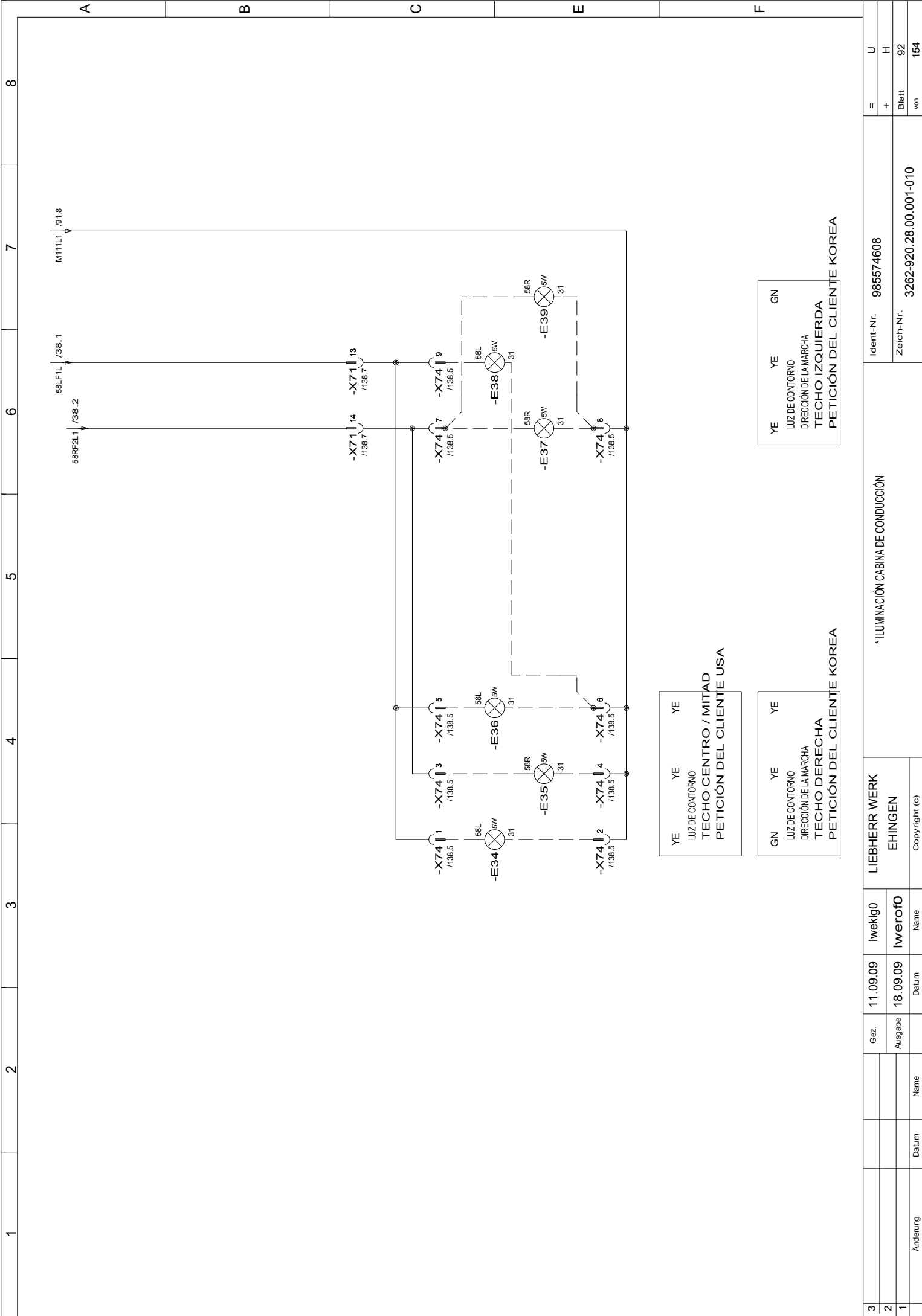
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| 3 | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK | COMMUTADOR DE COLUMNA DE DIRECCIÓN IZQUIERDA , CLAXON , | | Ident-Nr. | 985574608 | = U | |
| 2 | Ausgabe | 18.09.09 | Iwerofu | EHINGEN | LIMPIAPARABRISAS , CÁMARA BOMBA DE LAVADO | | Zeich-Nr. | 3262-920.28.00.001-010 | + H | |
| 1 | Änderung | | | | | | Blatt | 88 | von | |
| | | | | | | | von | 154 | | |

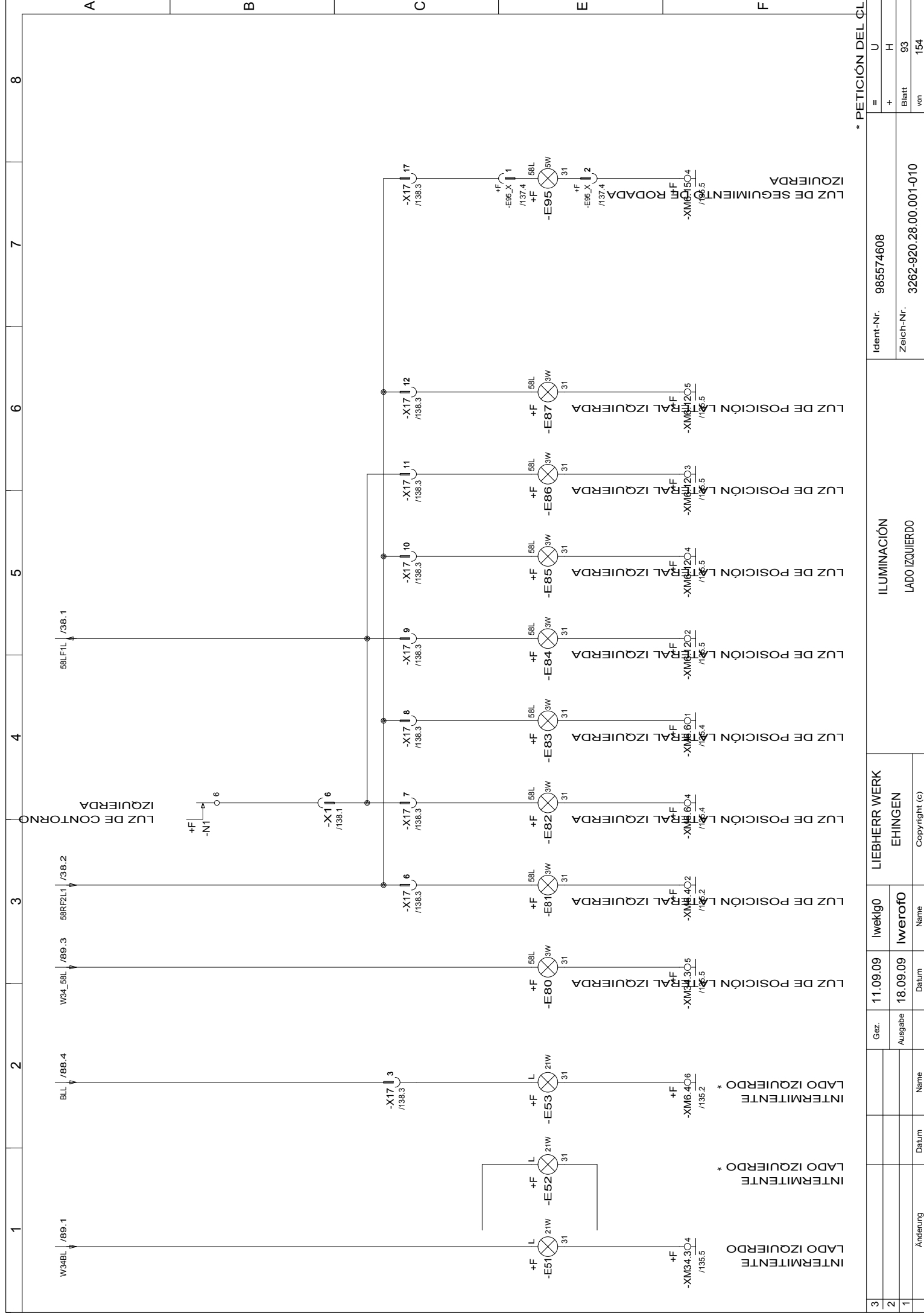
* PETICIÓN DEL CLIENTE

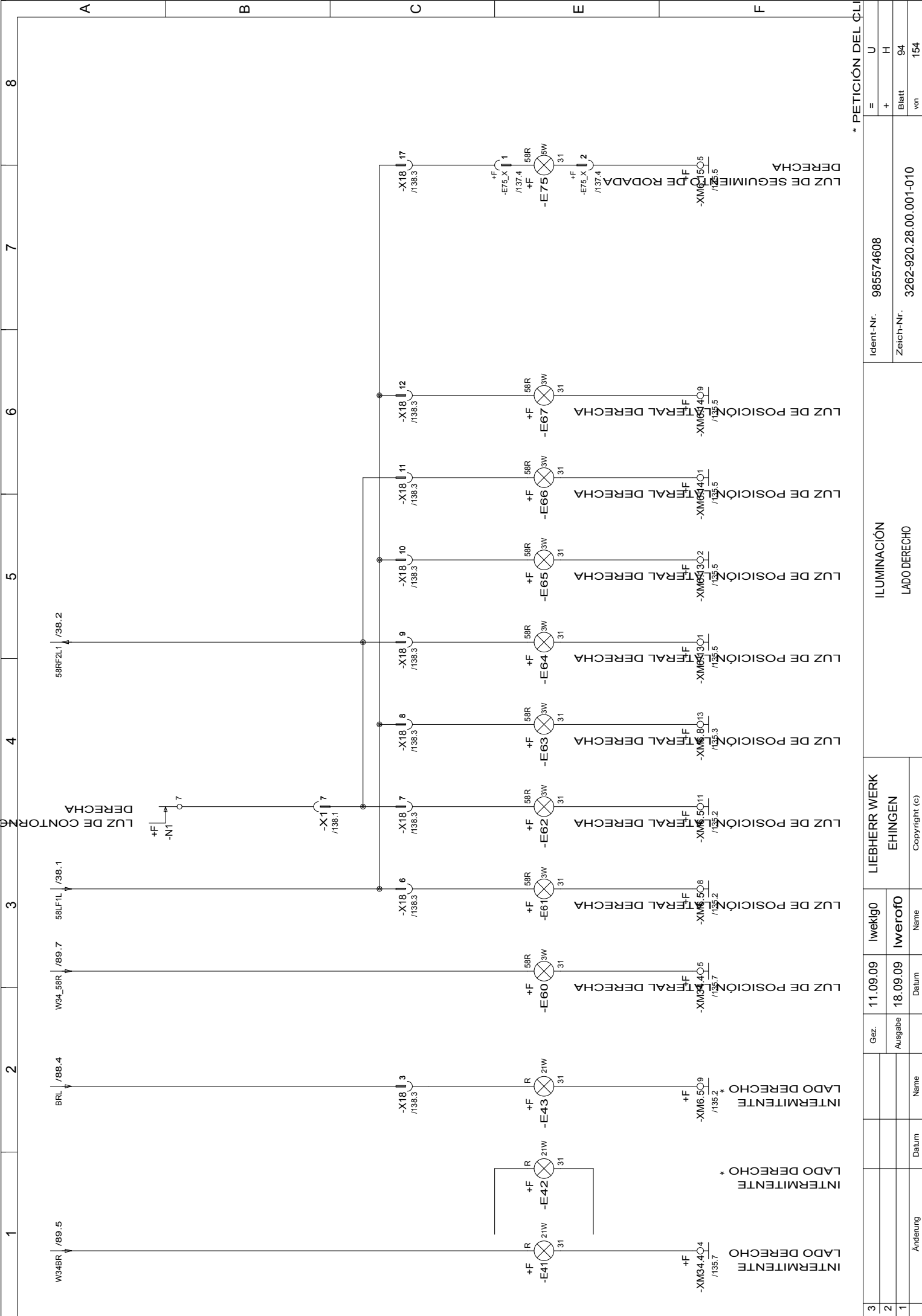


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| 3 | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK | | ILUMINACIÓN | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerofu | EHINGEN | | | | | | + | H |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | DELANTE | | Zeich-Nr. | 3262-920.28.00.001-010 | Blatt | 89 |
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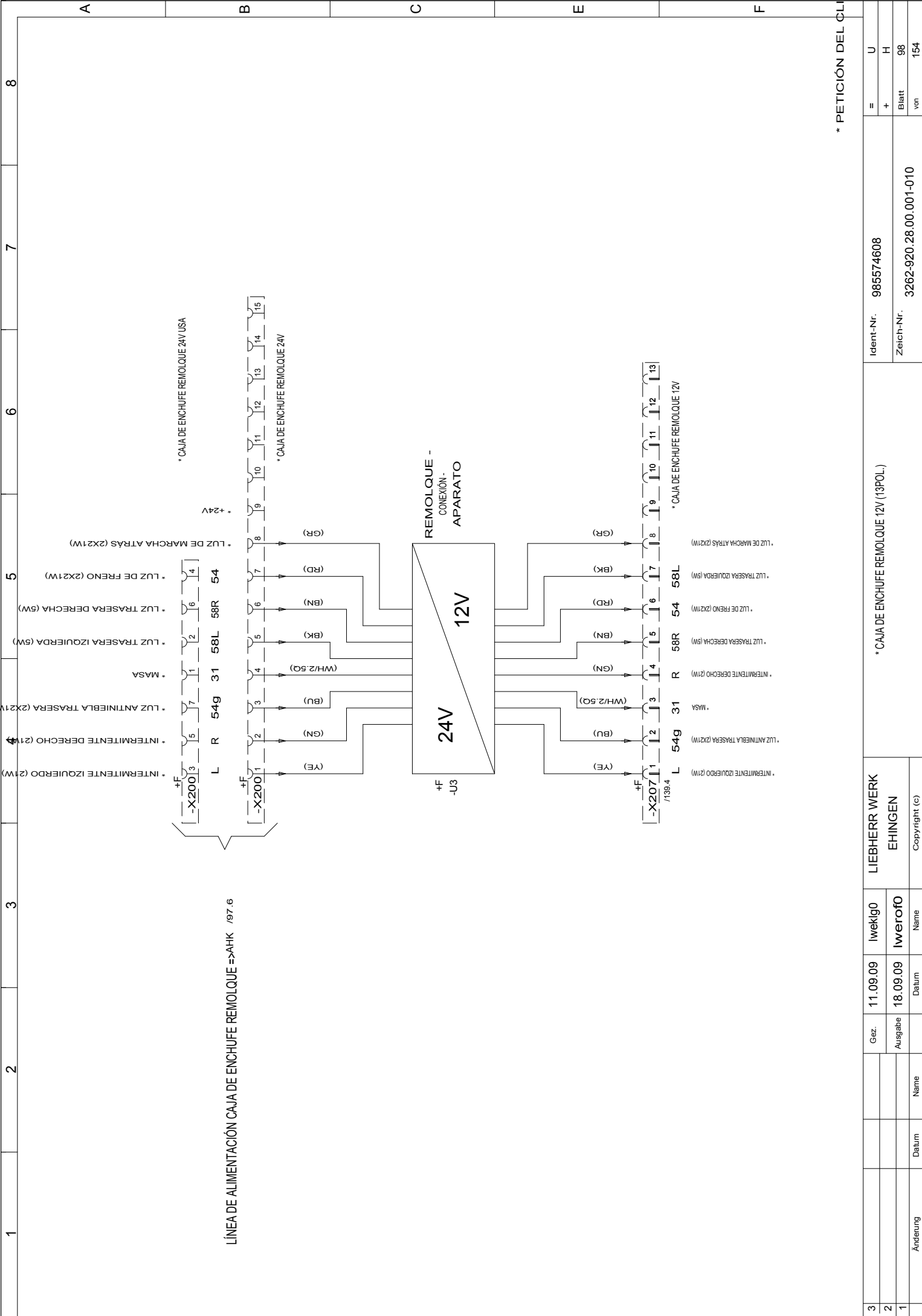


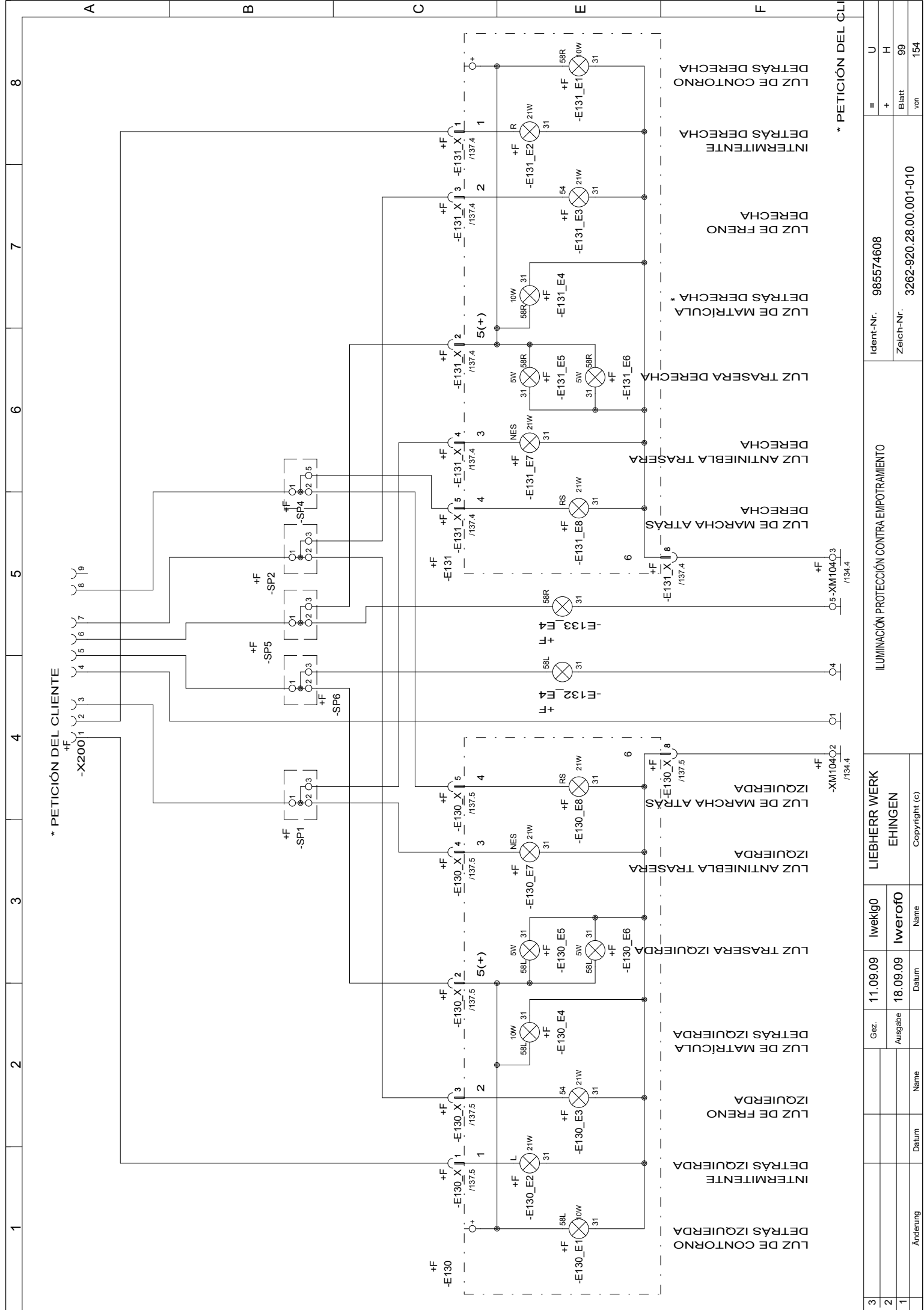




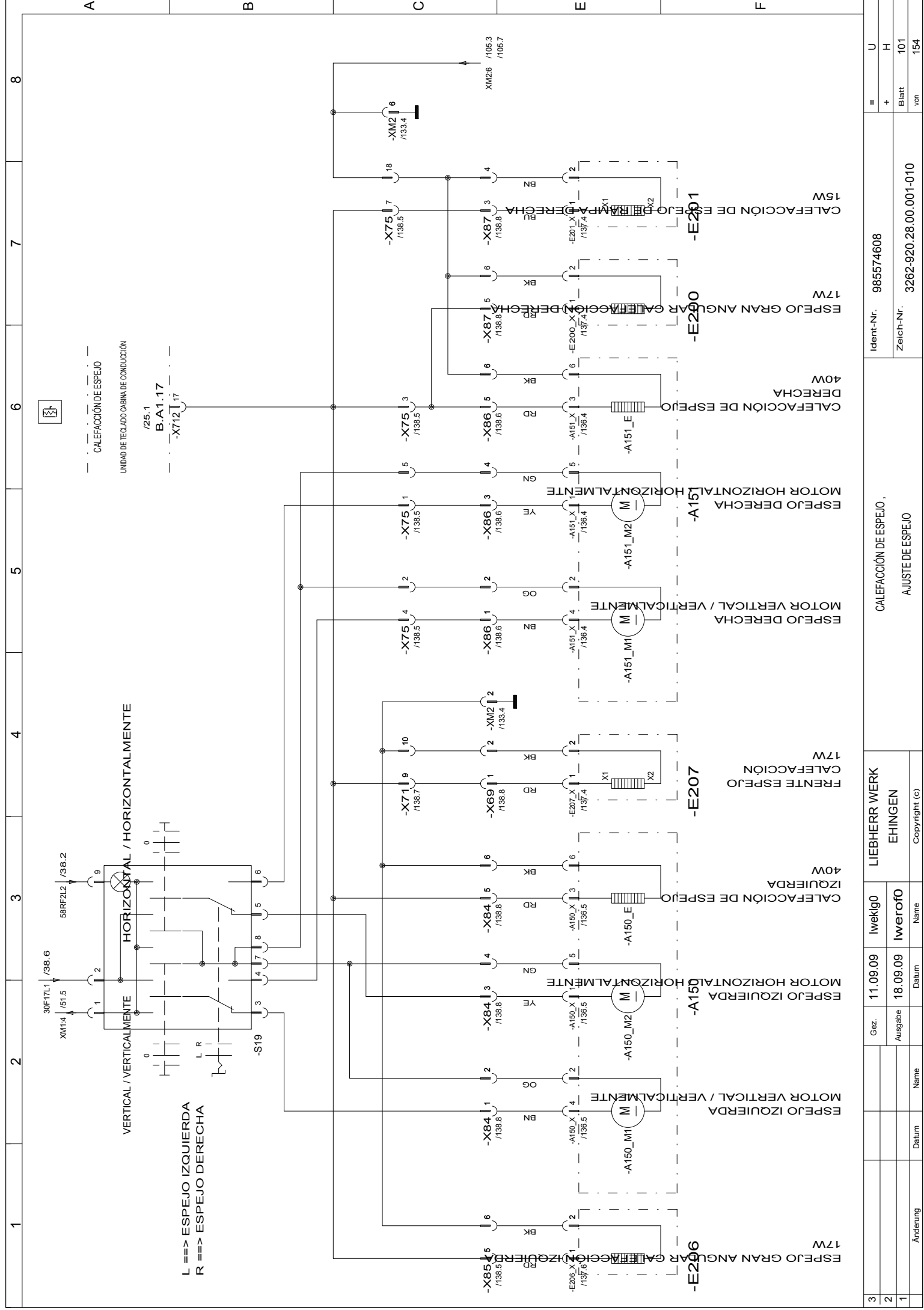


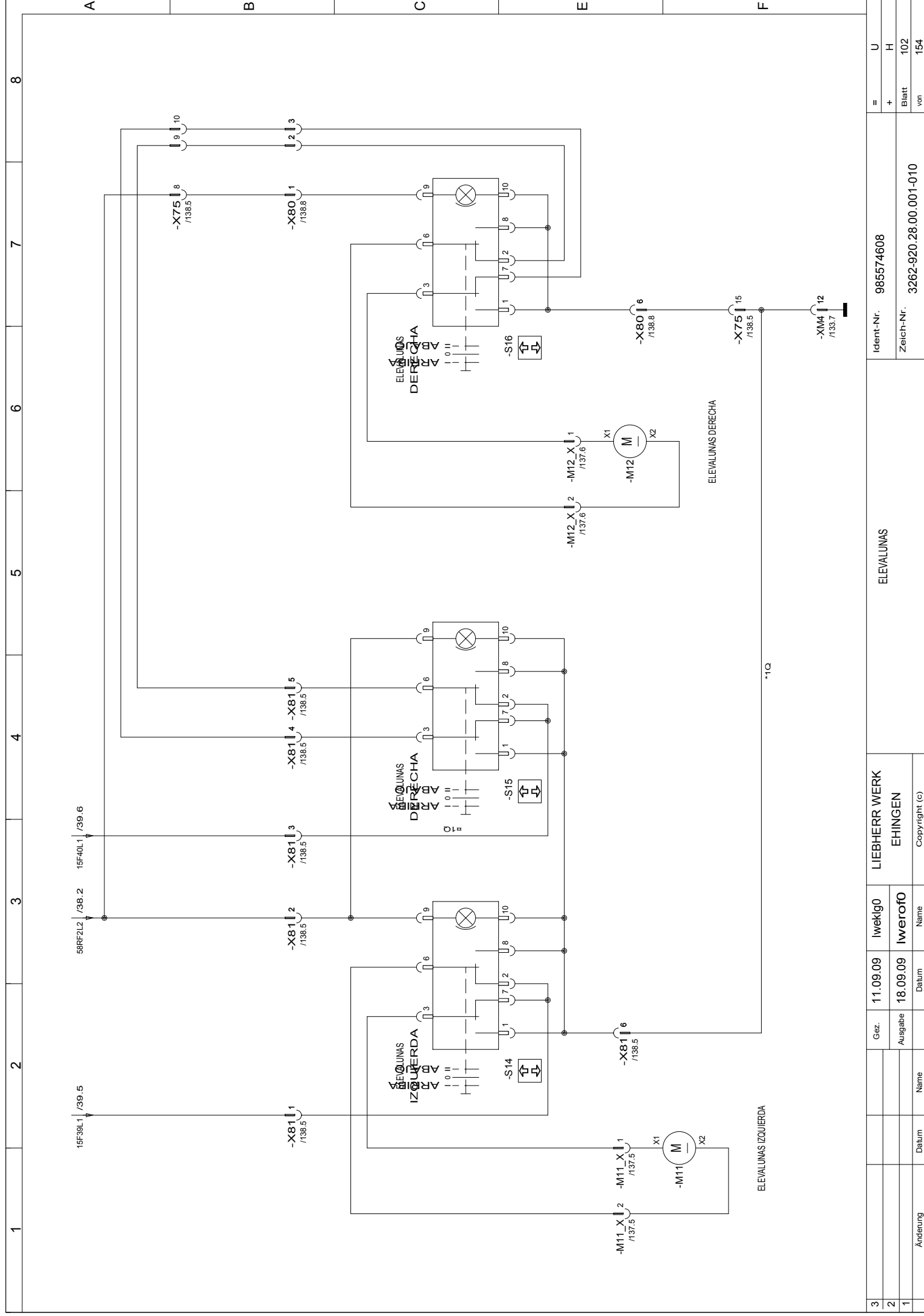
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| 3 | | | Gez. | 11.09.09 | Iweklgo | LIEBHERR WERK EHINGEN | | ILUMINACIÓN | | Ident-Nr. | 985574608 | * PETICIÓN DEL CLIENTE | |
| 2 | | | Ausgabe | 18.09.09 | Iwerofu | | | | | | | | |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | LADO DERECHO | | Zeich-Nr. | 3262-920.28.00.001-010 | Blatt | 94 |
| | | | | | | | | | | von | | | 154 |





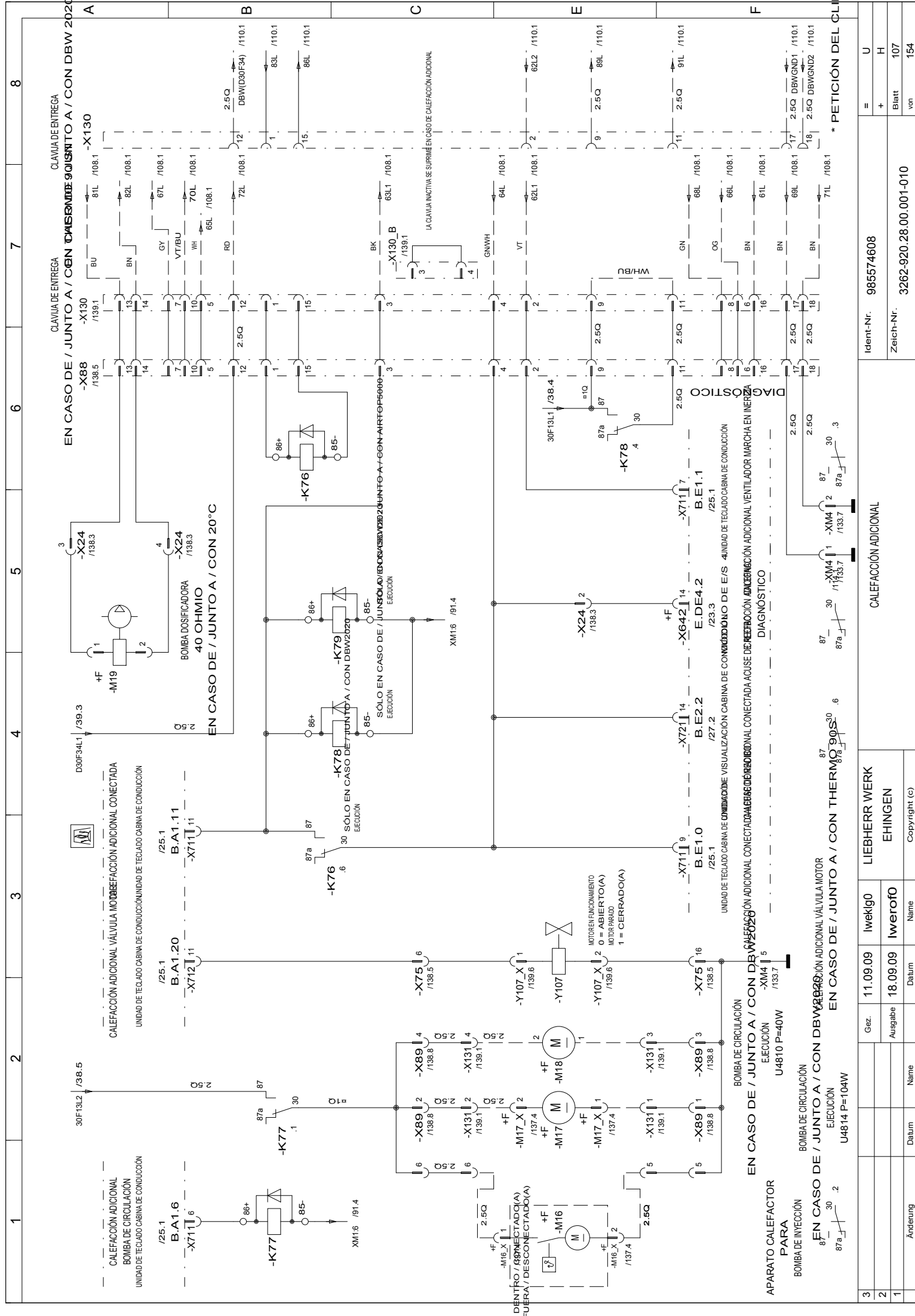
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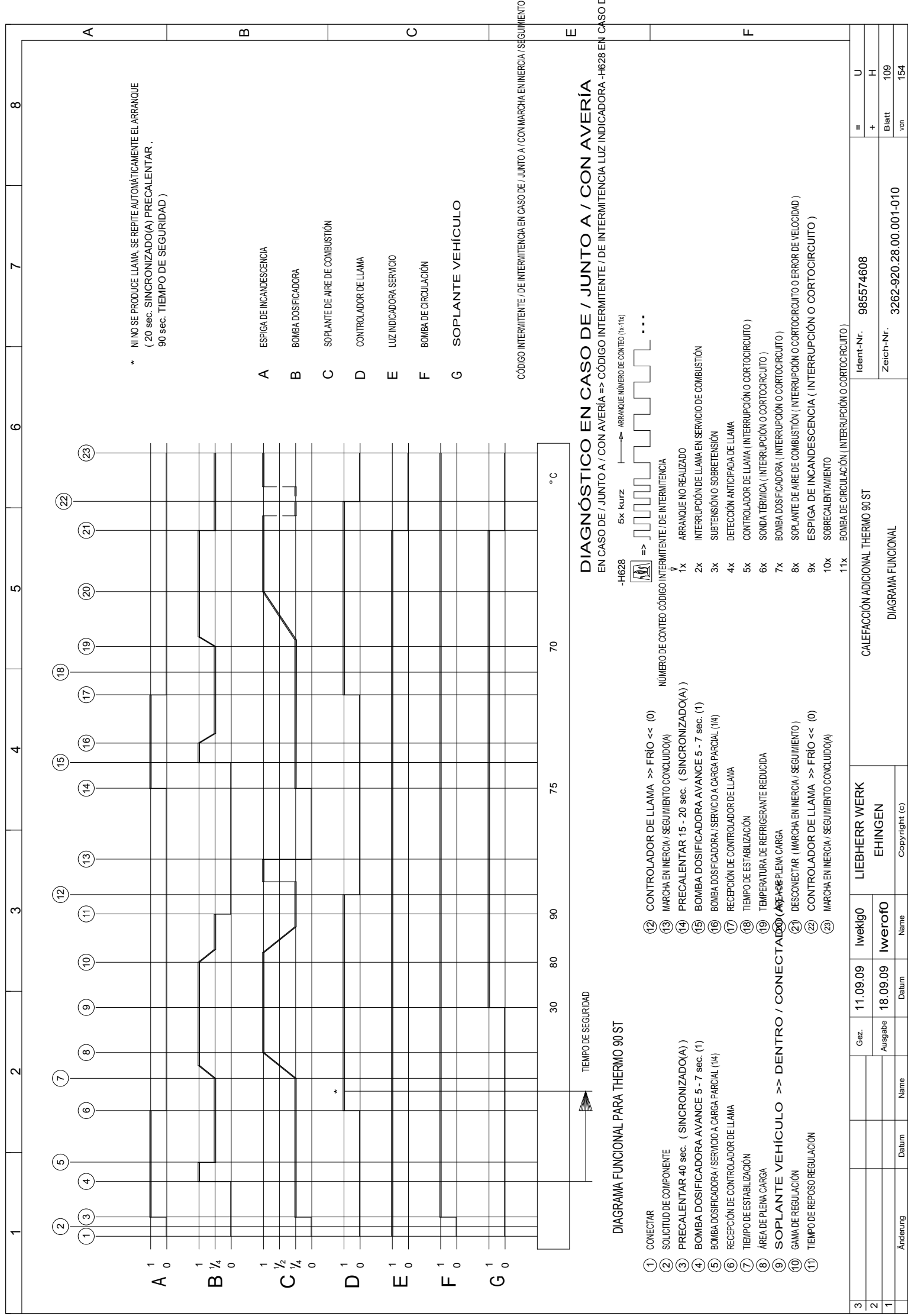


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| 2 | | | | Ausgabe | 18.09.09 | Iwerofo | | | | |
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| | Änderung | Datum | Name | | | | Copyright (c) | | | |

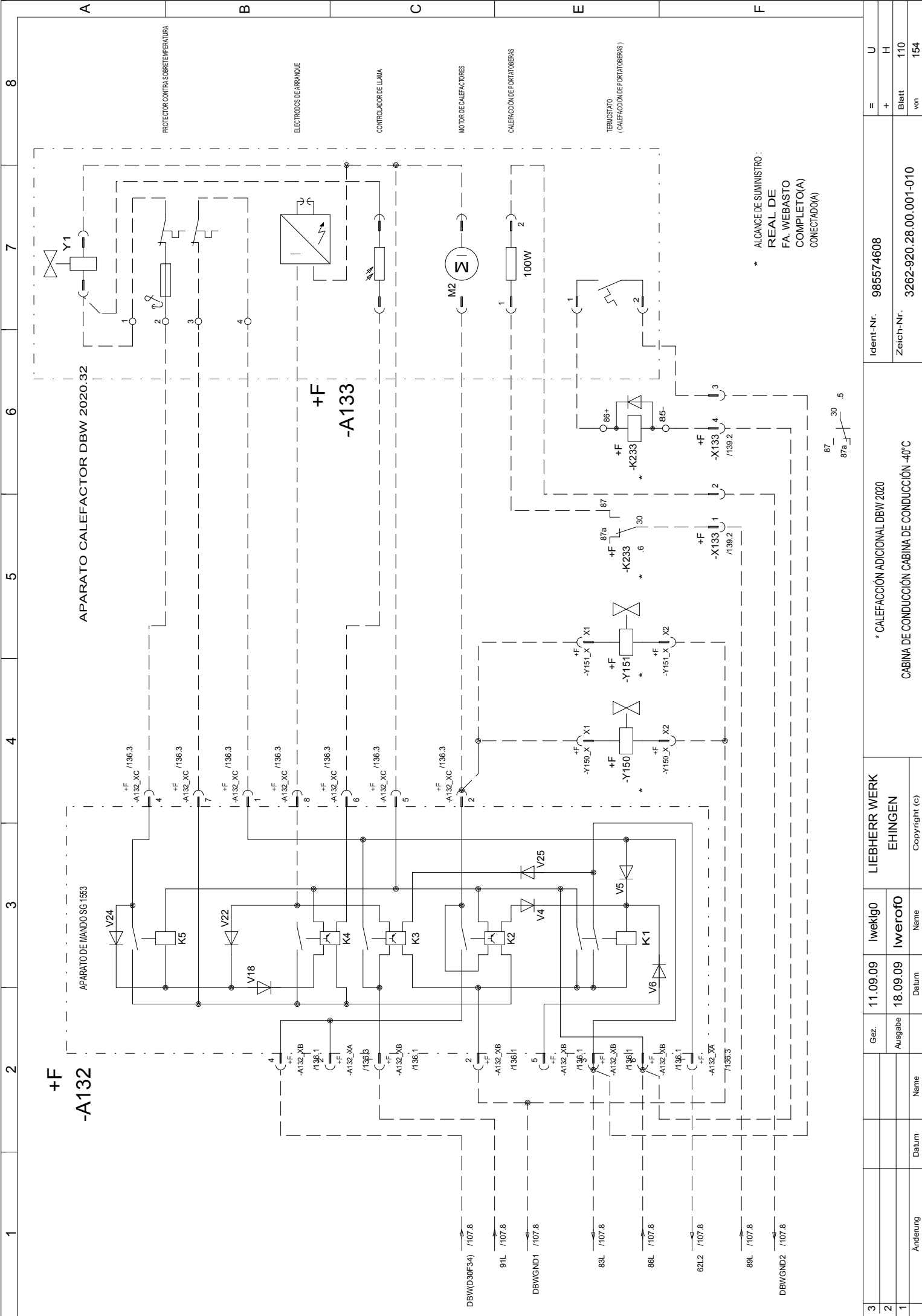
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| 3 | | | | | | Ident-Nr. 985574608 | = U |
| 2 | | | | | | Zeich-Nr. 3262-920.28.00.001-010 | + H |
| 1 | Änderung | Datum | Name | Ausgabe | Gez. | | Blatt 106 |
| | | | | | | | von 154 |



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|---|----------|--|--|---------|----------|---------|---------------|-------|-----------------------|---------------------|-----|
| 3 | | | | Gez. | 11.09.09 | Iwekg0 | LIEBHERR WERK | | CALEFACCIÓN ADICIONAL | Ident-Nr. 985574608 | = U |
| 2 | | | | Ausgabe | 18.09.09 | Iwerof0 | EHINGEN | | | | |
| 1 | | | | | | | Name | Datum | | Blatt 107 | |
| | Änderung | | | | | | Name | Datum | | von 154 | |



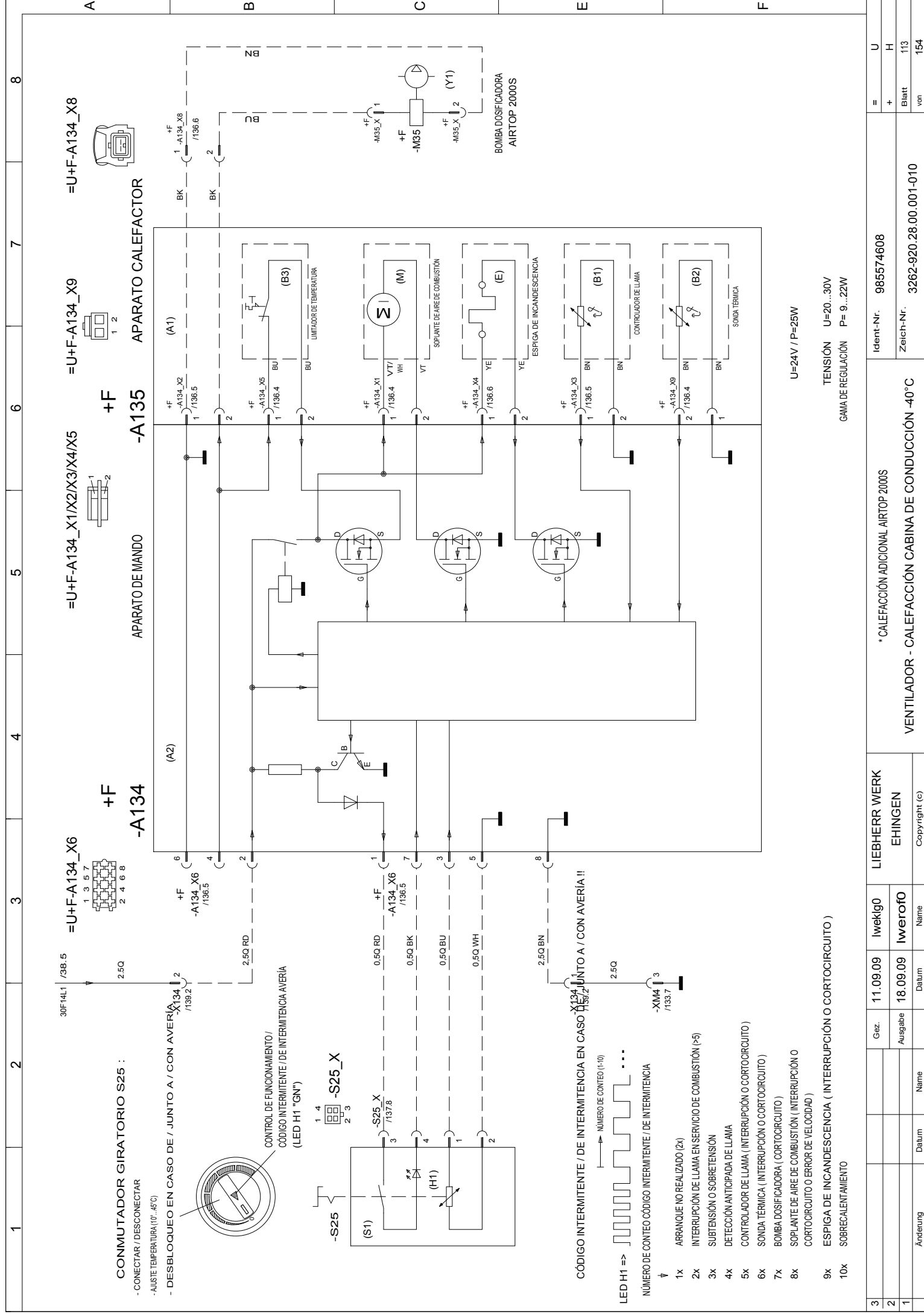
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| 2 | | | | | | | | | | + | H |
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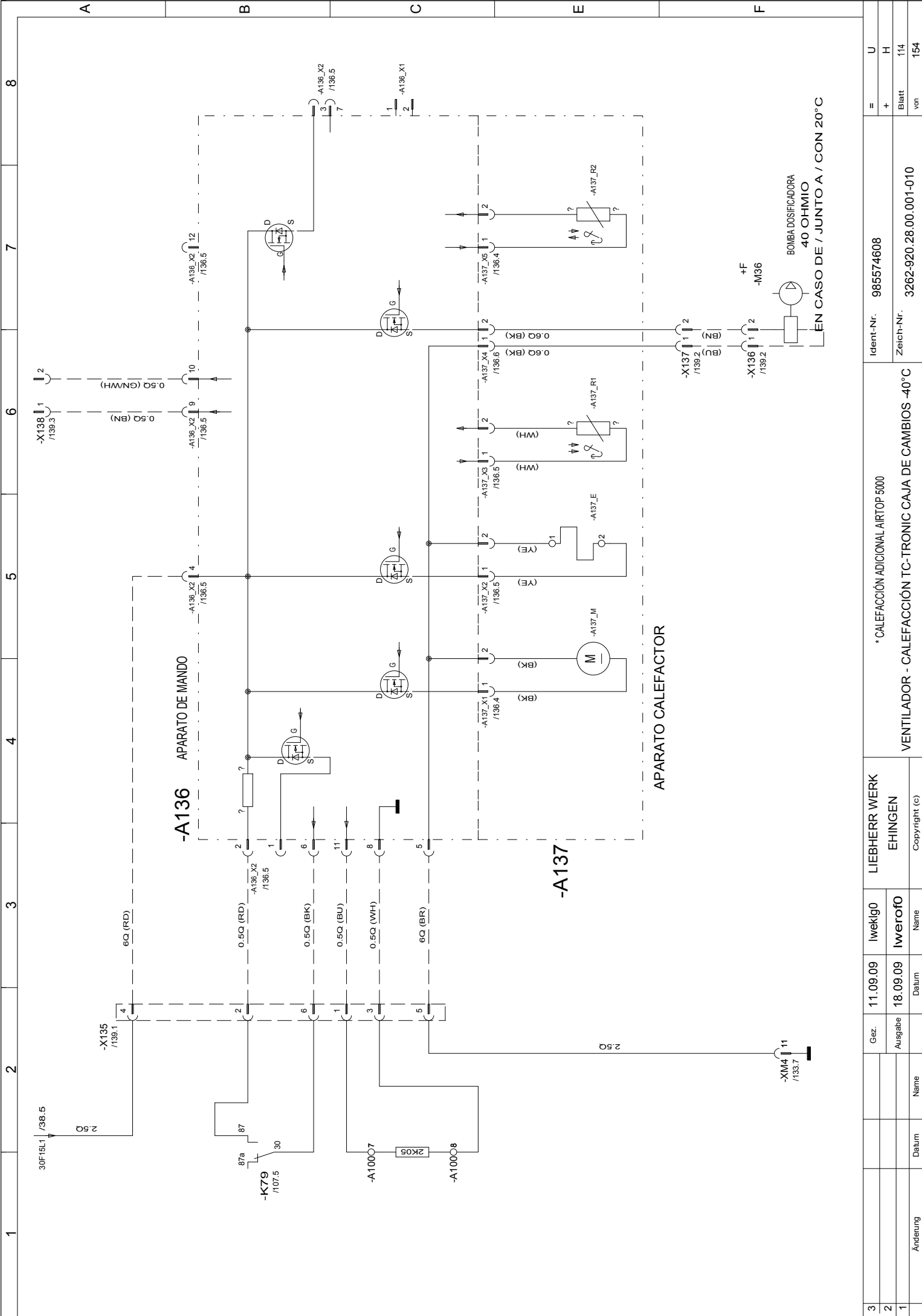


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| 2 | Ausgabe | 18.09.09 | Iwerofro | Name | | CABINA DE CONDUCCIÓN CABINA DE CONDUCCIÓN -40°C | | Zeich-Nr. | 3262-920.28.00.001-010 | + | | H |
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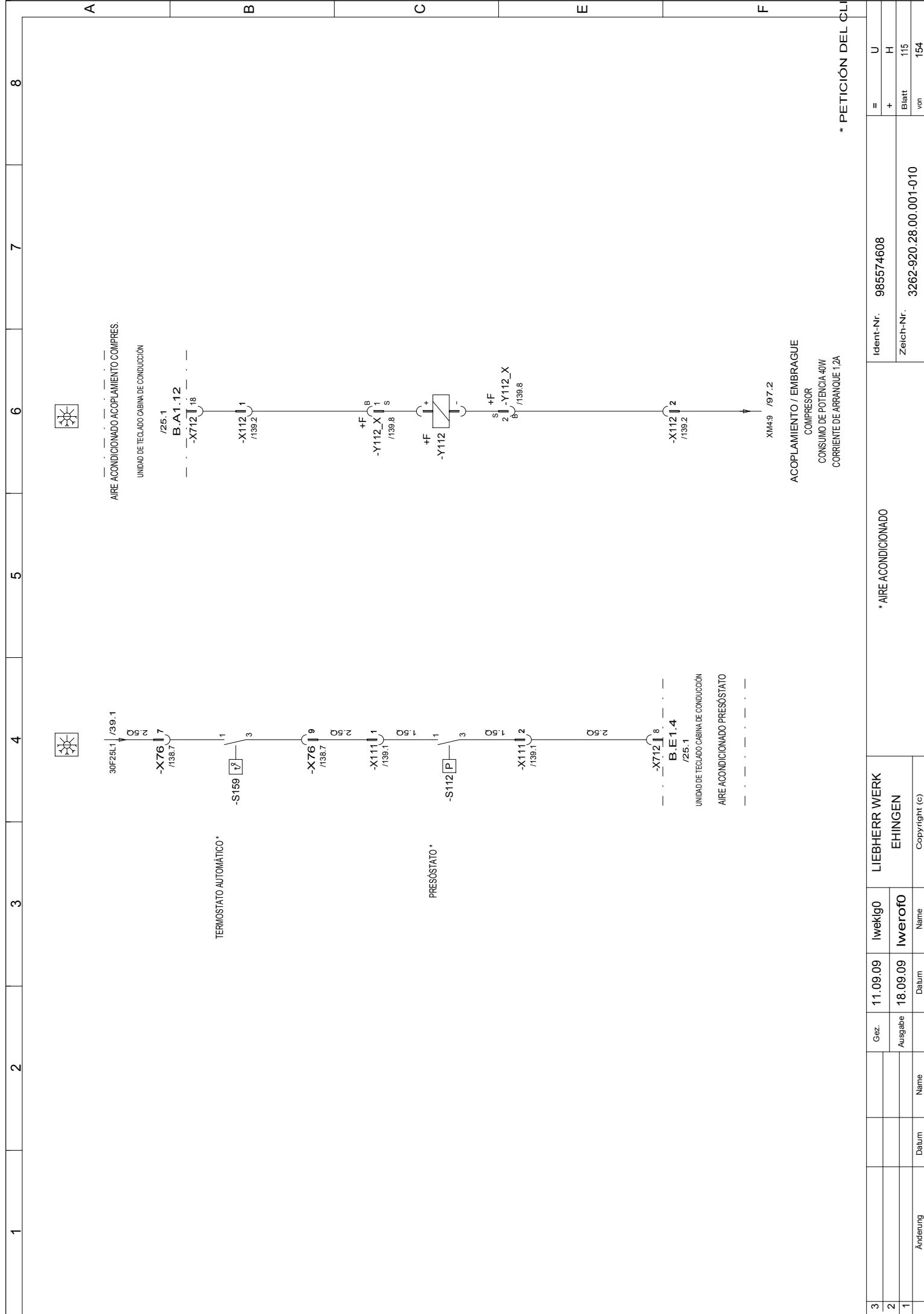
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| A | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | |
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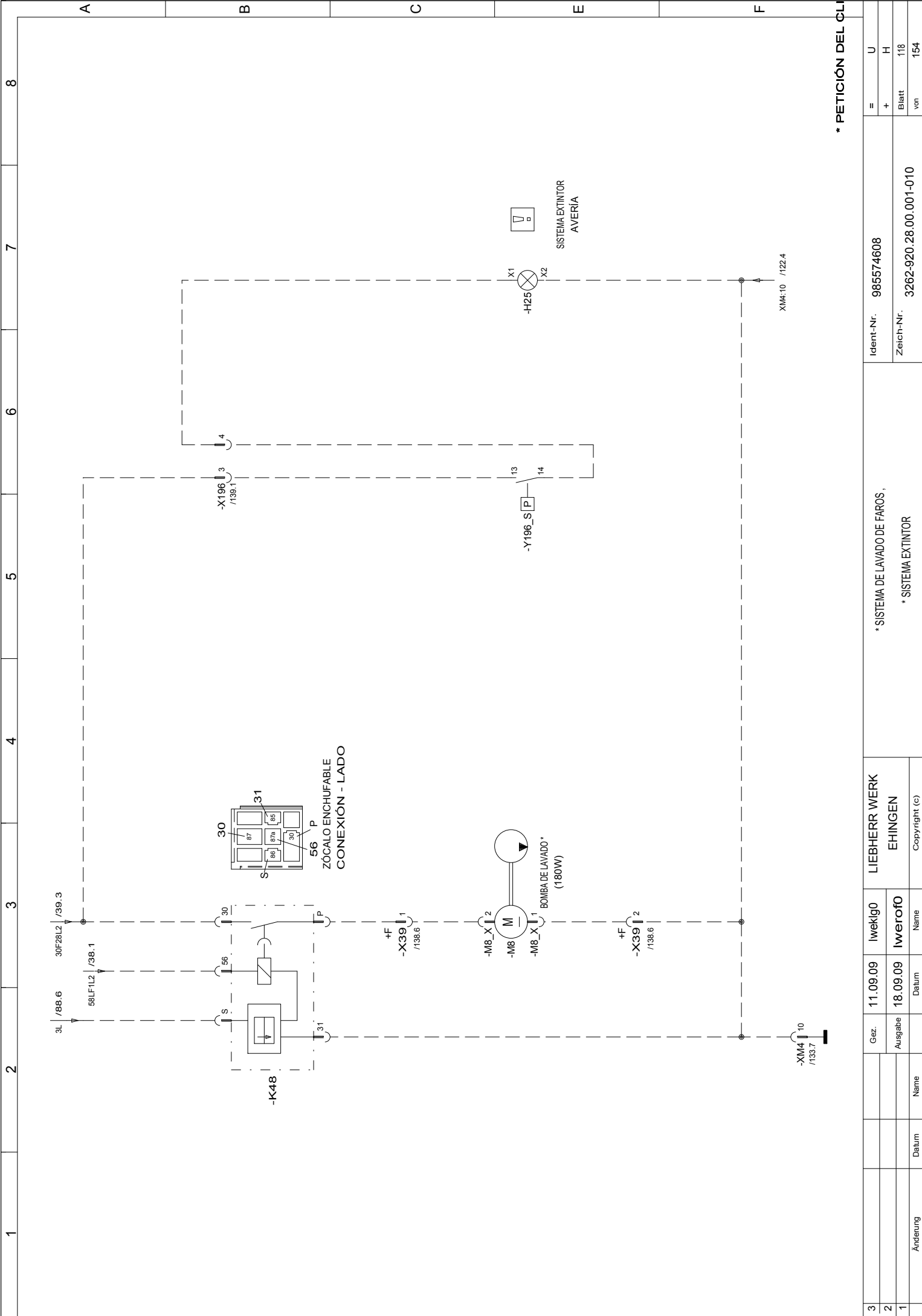
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| 2 | | | | Ausgabe | 18.09.09 | Iwerofro | | | | | | Zeich-Nr. | 3262-920 28 00 001-010 | + | H |
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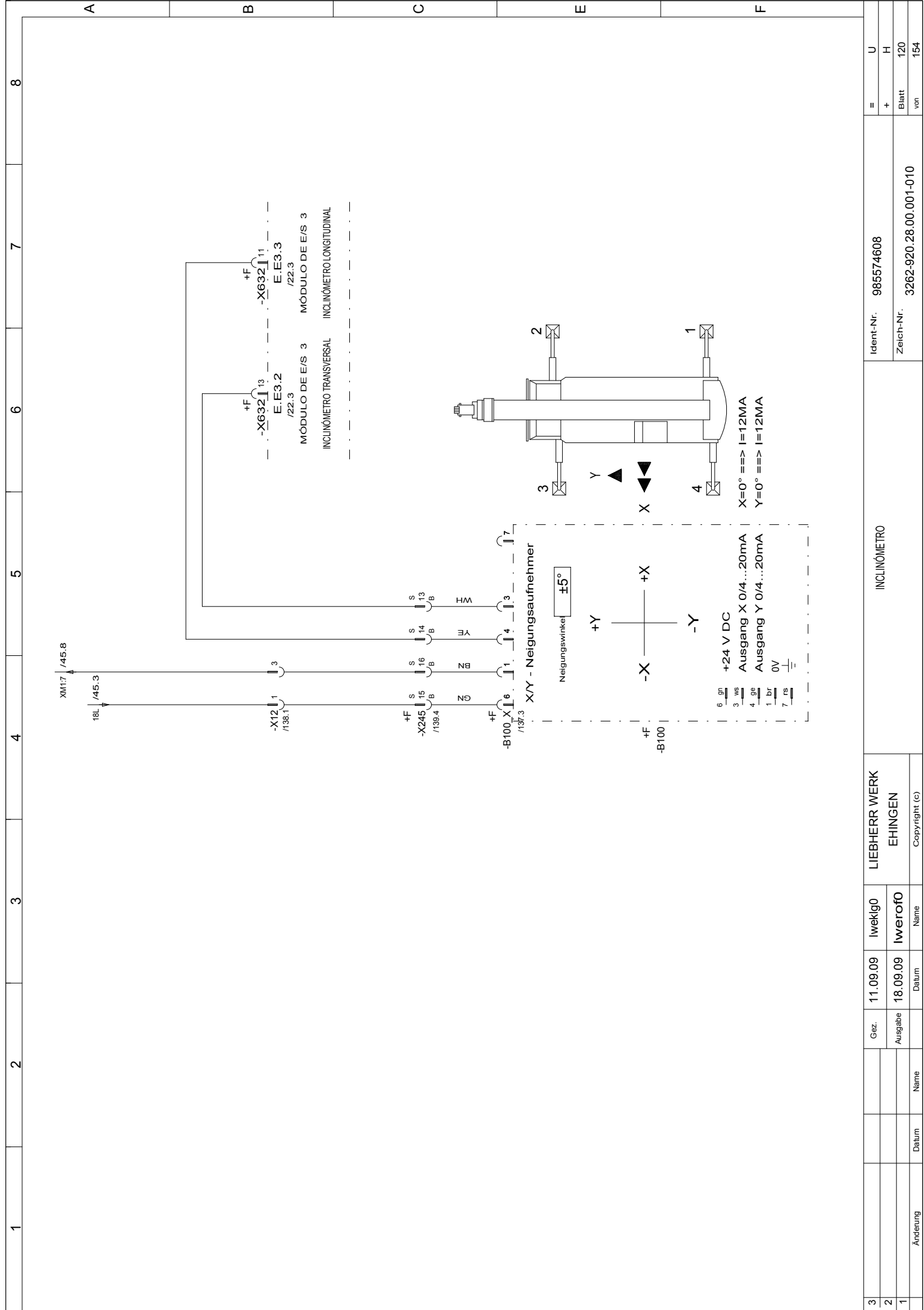




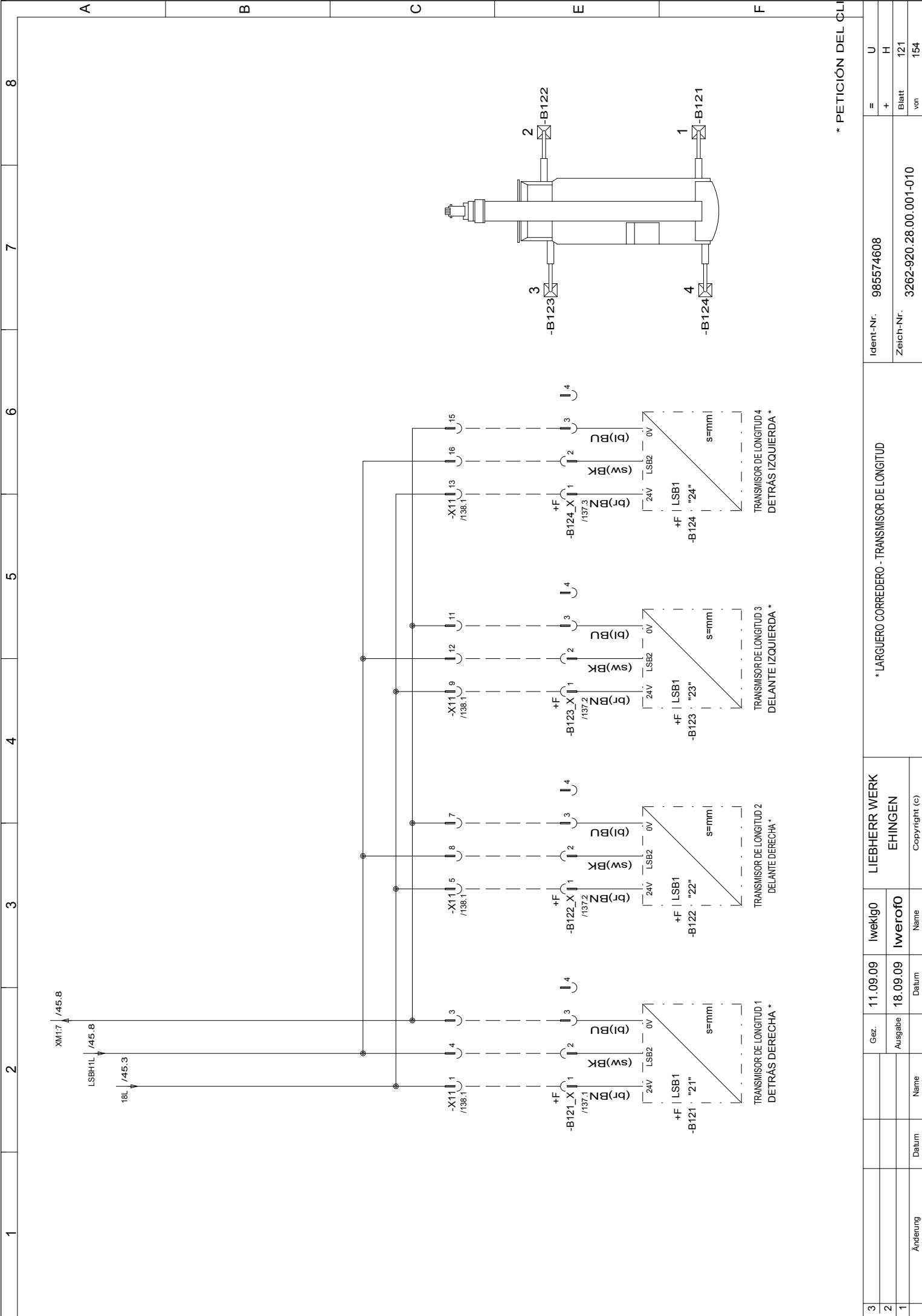
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| 2 | Ausgabe | 18.09.09 | Iwerofu | EHINGEN | VENTILADOR - CALEFACCIÓN TC-TRONIC CAJA DE CAMBIOS -40°C | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
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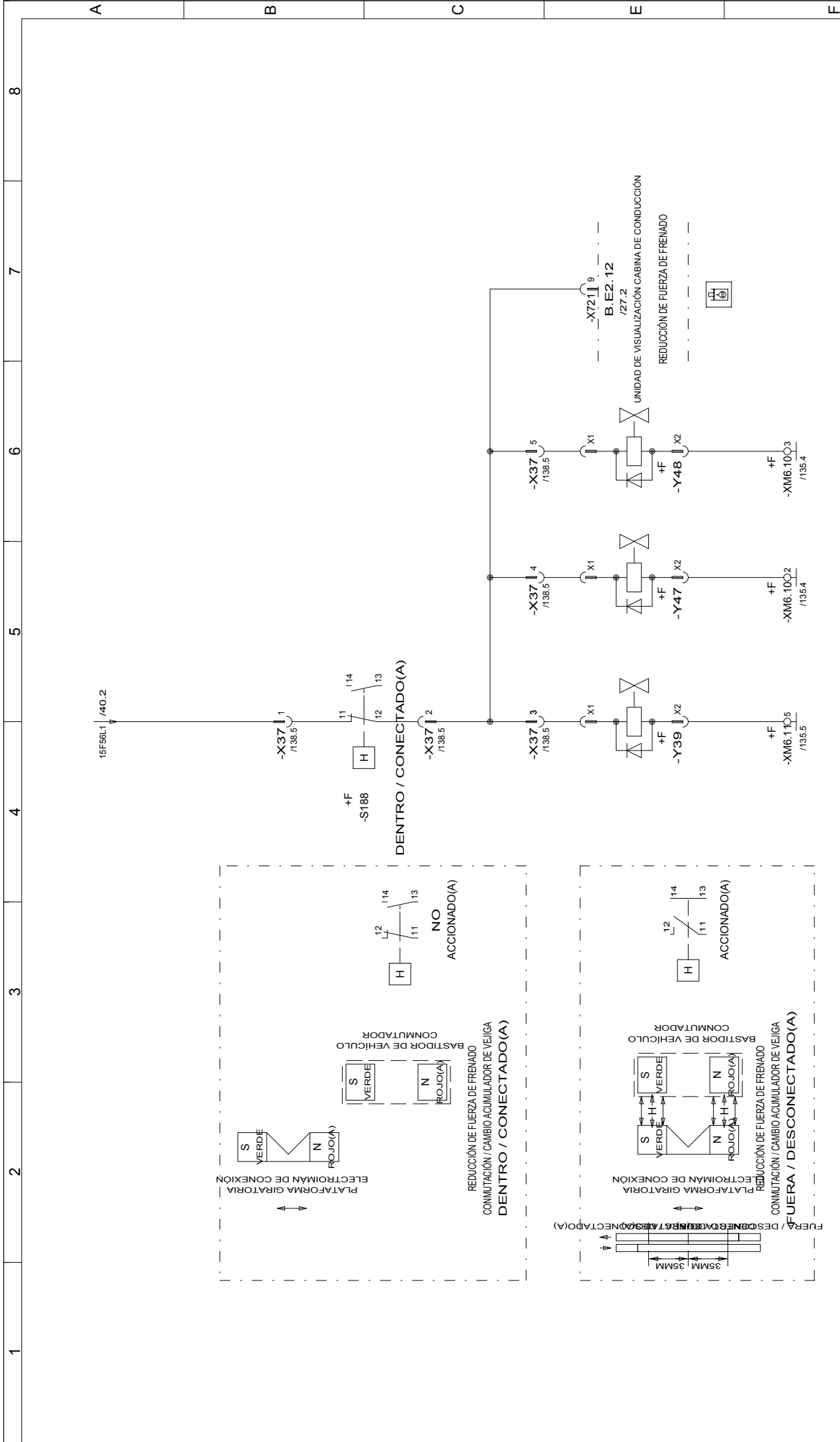






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CONMUTACIÓN / CAMBIO
ACUMULADOR DE VEJIGA

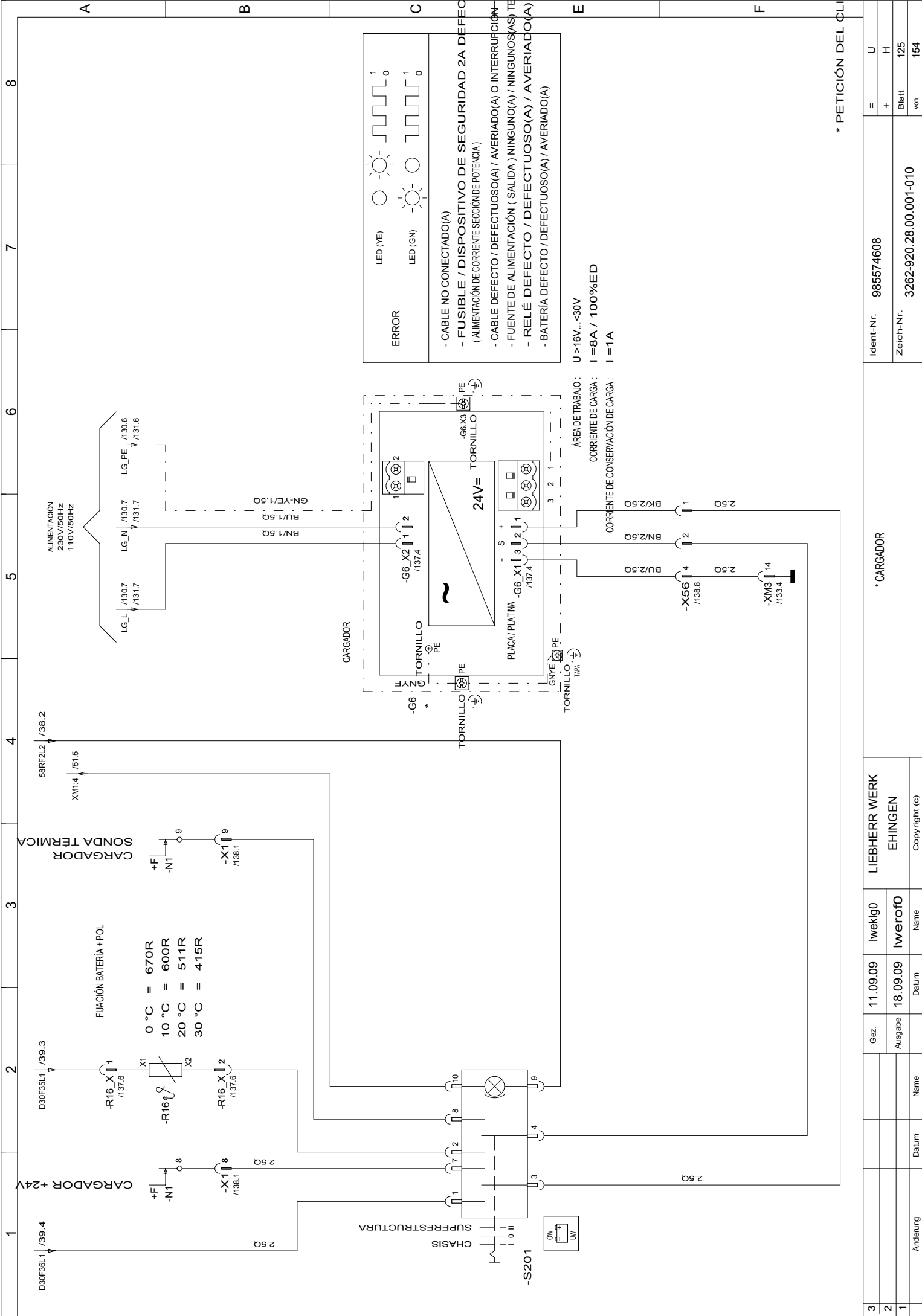
REDUCCIÓN DE FUERZA DE FRENADO

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1 = CON

0 = SIN
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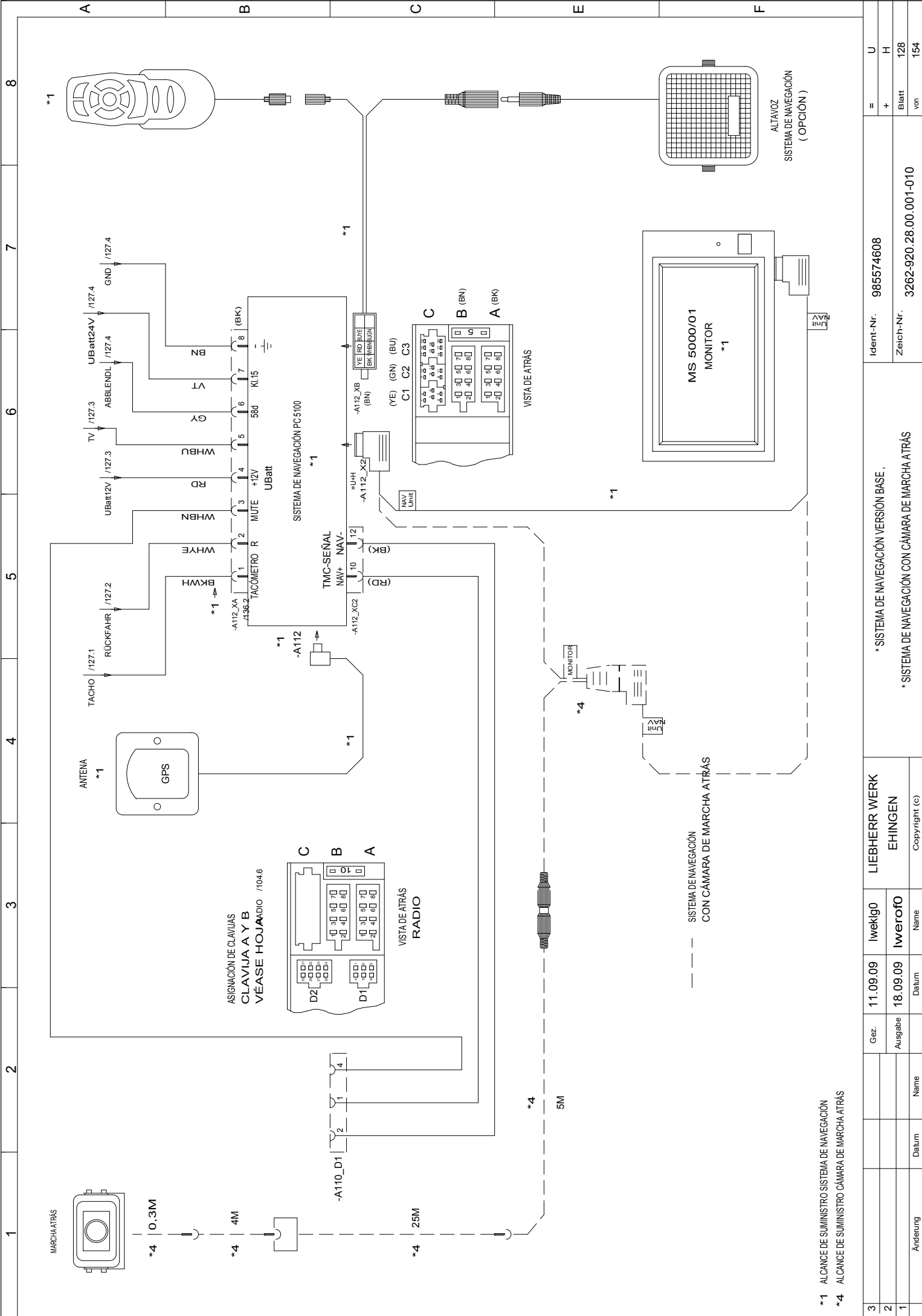
* PETICIÓN DEL CLIENTE

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| 2 | | | | Ausgabe | 18.09.09 | Iwerofg | | | | | | | |
| 1 | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | | | | Zeich-Nr. 3262-920 28 00 001-010 | Blatt von 154 |
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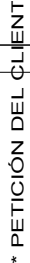
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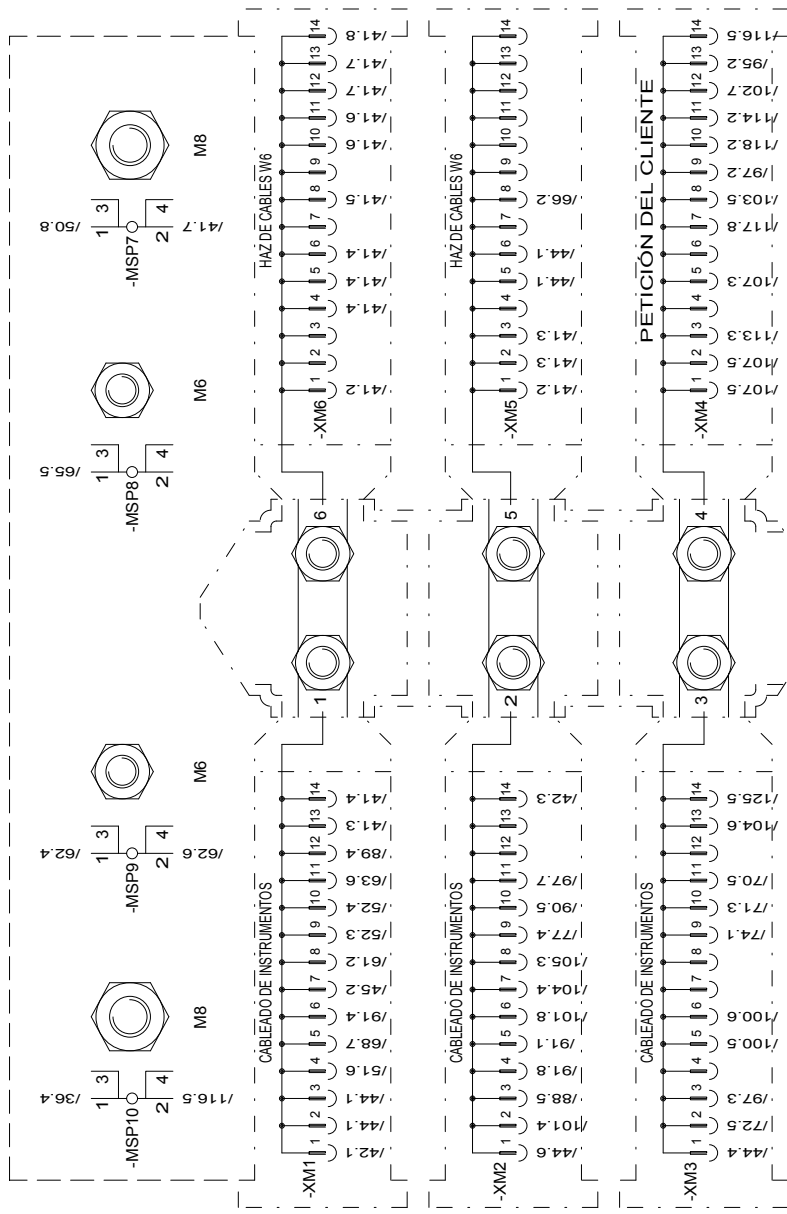
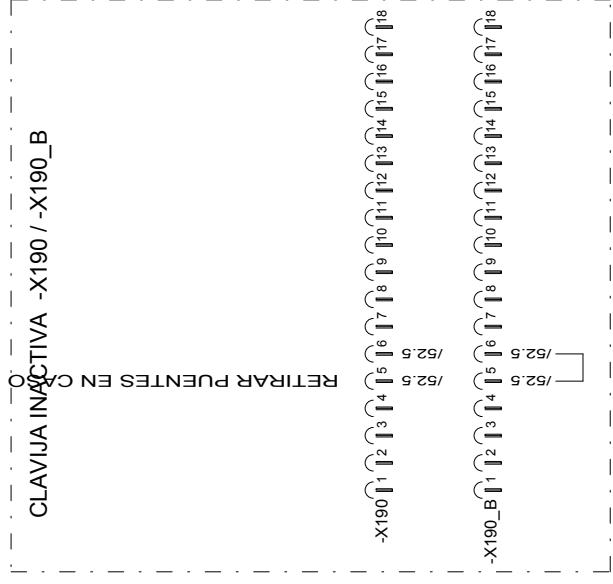
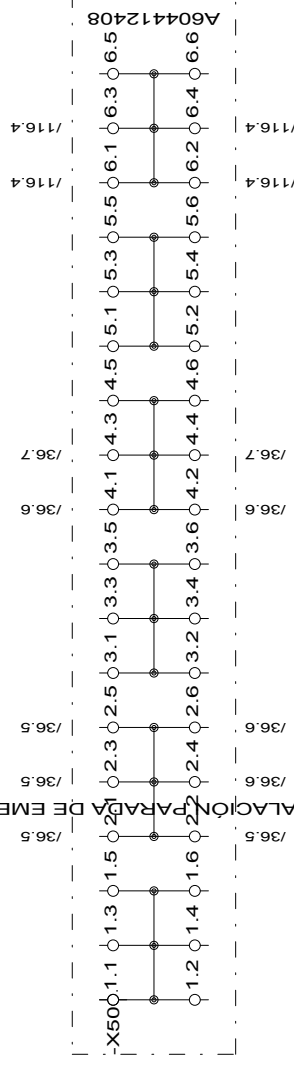
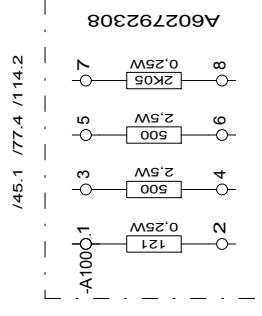
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| Ident-Nr. | 985574608 | = | | U |
| Zeich-Nr. | 3262-920.28.00.001-010 | + | | H |
| Blatt | 125 | | | |
| von | 154 | | | |



*1 ALCANCE DE SUMINISTRO SISTEMA DE NAVEGACIÓN
*4 ALCANCE DE SUMINISTRO CÁMARA DE MARCHA ATRÁS

| | | | | | | | | | |
|---|----------|----------|---------|--------------------------|--|--|-----------|------------------------|---|
| 3 | Gez. | 11.09.09 | Iwekigo | LIEBHERR WERK EHINGEN | * SISTEMA DE NAVEGACIÓN VERSIÓN BASE , | | Ident-Nr. | 985574608 | U |
| 2 | Ausgabe | 18.09.09 | Iwerofu | | * SISTEMA DE NAVEGACIÓN CON CÁMARA DE MARCHA ATRÁS | | Zeich-Nr. | 3262-920.28.00.001-010 | H |
| 1 | Änderung | Datum | Name | Copyright (c) | | | Blatt | 128 | |
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







































| | | | | | | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|--|-----------|------------------------|-------|-----|
| 3 | | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK EHINGEN | | Ident-Nr. | 985574608 | = | U |
| 2 | | | | | | | | | | | + | H |
| 1 | | | | Ausgabe | 18.09.09 | Iwerof0 | | | Zeich-Nr. | 3262-920.28.00.001-010 | Blatt | 133 |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | | | von | 154 |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|---|---|-------------------------------|--|---|-------------------------------|-----------------------------------|-------------------------------|---------------------------------------|-------------------------------|--|--|---|--|---|--|
| <div><div>R</div><div>SWF_317</div></div> | VELOCIDAD DE MARCHA CONMUTADOR HACIA ATRÁS | <div><div>SWF_289</div></div> | POSICIÓN OBLICUA IZQUIERDA ARRIBA | <div><div>PROGRAMA DE CONDUCCIÓN 1 DIRECCIÓN DE EJE TRASERO</div></div> | <div><div>SWF_281</div></div> | CONFIRMACIÓN | <div><div>SWF_295</div></div> | LUZ | <div><div>SWF_12</div></div> | BOMBA DE DIRECCIÓN | | | | | |
| <div><div>N</div><div>SWF_318</div></div> | VELOCIDAD DE MARCHA CONMUTADOR NEUTRO / PUNTO MUERTO | <div><div>SWF_290</div></div> | POSICIÓN OBLICUA IZQUIERDA ABAJO | <div><div>PROGRAMA DE CONDUCCIÓN 2 DIRECCIÓN DE EJE TRASERO</div></div> | <div><div>SWF_86</div></div> | CALEFACCIÓN | <div><div>SWF_275</div></div> | FARO ANTINEBLA | <div><div>SWF_13</div></div> | BOMBA RES. | | | | | |
| <div><div>D</div><div>SWF_319</div></div> | VELOCIDAD DE MARCHA CONMUTADOR ADELANTE | <div><div>SWF_291</div></div> | POSICIÓN OBLICUA DERECHA ARRIBA | <div><div>PROGRAMA DE CONDUCCIÓN 3 DIRECCIÓN DE EJE TRASERO</div></div> | <div><div>SWF_264</div></div> | CALEFACCIÓN CALIENTE | <div><div>SWF_269</div></div> | LUZ DE POSICIÓN | <div><div>SWF_301</div></div> | FRENO DE ESTACIONAMIENTO | | | | | |
| <div><div>SWF_282</div></div> | NÚMERO DE REVOLUCIONES MAYOR | <div><div>SWF_292</div></div> | POSICIÓN OBLICUA DERECHA ABAJO | <div><div>PROGRAMA DE CONDUCCIÓN 4 DIRECCIÓN DE EJE TRASERO</div></div> | <div><div>SWF_265</div></div> | CALEFACCIÓN FRÍO | <div><div>SWF_2</div></div> | LUZ ANTINEBLA TRASERA | <div><div>SWF_39</div></div> | FRENO DE CORRIENTES PARÁSITAS / TELMA | | | | | |
| <div><div>SWF_283</div></div> | NÚMERO DE REVOLUCIONES MENOR | <div><div>SWF_322</div></div> | INFORMACIÓN | <div><div>PROGRAMA DE CONDUCCIÓN 5 DIRECCIÓN DE EJE TRASERO</div></div> | <div><div>SWF_270</div></div> | VENTILADOR MÁS ALTO | <div><div>SWF_83</div></div> | CALEFACCIÓN DE ESPEJO | <div><div>SWF_150</div></div> | LIMITACIÓN DE VELOCIDAD | | | | | |
| <div><div>SWF_307</div></div> | PROGRAMA DE CONDUCCIÓN 1 = ECONOMY 2 = POWER | <div><div>SWF_284</div></div> | OBLICUIDAD DE RUEDAS DERECHA | <div><div>PROGRAMA DE CONDUCCIÓN 6 DIRECCIÓN DE EJE TRASERO</div></div> | <div><div>SWF_271</div></div> | VENTILADOR MÁS BAO | <div><div>SWF_333</div></div> | LARGUERO CORREDERO ILUMINACIÓN | <div><div>SWF_69</div></div> | SISTEMA DE FRENO | | | | | |
| <div><div>SWF_276</div></div> | MARCHA ARRIBA | <div><div>SWF_283</div></div> | OBLICUIDAD DE RUEDAS IZQUIERDA | <div><div>DESBLOQUEO DE EJE TRASERO</div></div> | <div><div>SWF_174</div></div> | CALEFACCIÓN DE ASIENTO | <div><div>SWF_5</div></div> | LUZ DE IDENTIFICACIÓN OMNIDIRECCIONAL | <div><div>SWF_151</div></div> | ACOPLAMIENTO DE CONVERTIDOR ABIERTO(A) | | | | | |
| <div><div>SWF_277</div></div> | MARCHA ABAJO | <div><div>SWF_306</div></div> | NIVEL | <div><div>BLOQUEO DIFERENCIAL LONGITUDINAL</div></div> | <div><div>SWF_7</div></div> | AIRE ACONDICIONADO | <div><div>SWF_6</div></div> | LUZ DE EMERGENCIA | <div><div>SWF_70</div></div> | GUARNICIÓN DE FRENO | | | | | |
| <div><div>SWF_298</div></div> | MARCHA TODO TERRENO DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A) | <div><div>SWF_285</div></div> | EJES BLOQUEADO(A) / FUERA / DESCONECTADO(A) | <div><div>BLOQUEO DIFERENCIAL TRANSVERSAL</div></div> | <div><div>SWF_266</div></div> | AIRE CIRCULANTE | <div><div>SWF_15</div></div> | AGUA DE REFRIGERACIÓN | <div><div>SWF_34</div></div> | CAJA DE CAMBIOS AVERÍA | | | | | |
| <div><div>SWF_320</div></div> | ILUMINACIÓN UNIDAD DE VISUALIZACIÓN UNIDAD DE TECLADO | | | <div><div>BLOQUEO DIFERENCIAL TRANSVERSAL DELANTE</div></div> | <div><div>SWF_267</div></div> | AIRE FRESCO | <div><div>SWF_14</div></div> | FILTRO DE AIRE | | | | | | | |
| <div><div>SWF_321</div></div> | PROGRAMA 2 | | | <div><div>BLOQUEO DIFERENCIAL TRANSVERSAL DETRÁS</div></div> | <div><div>SWF_273</div></div> | CALEFACCIÓN ESPACIO PARA LOS PIES | <div><div>SWF_296</div></div> | PRECALENTAR | | | | | | | |
| <div><div>SWF_297</div></div> | TOMA DE FUERZA DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A) | | | <div><div>COMPENSACIÓN</div></div> | <div><div>SWF_272</div></div> | CALEFACCIÓN CRISTAL DELANTERO | <div><div>SWF_181</div></div> | FRENO ADICIONAL | | | | | | | |

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| 3 | | Gez. | 11.09.09 | Iwekigo | LIEBHERR WERK EHINGEN | | Ident-Nr. | 985574608 | = | U |
| 2 | | | | | | | | | + | H |
| 1 | | | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | Blatt | 140 |
| | Änderung | Datum | | Name | | | von | | | 154 |

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|--|--|--|--|--|------------------|--|---|--|--------------------------------------|---|--|---|--|---|-----------|------------------------|-------|-----|
|  SWF_27 | INDICACIÓN DE DIRECCIÓN CODICE MOTOR |  SWF_36 | CAJA DE CAMBIOS TEMPERATURA DEL ACEITE |  SWF_99 | LIMPA PARABRISAS |  SWF_11 | VELOCIDAD / NÚMERO DE REVOLUCIONES MODIFICACIONES |  SWF_198 | CARGADOR BATERIA | | | | | | | | | |
|  SWF_29 | INDICACIÓN DE DIRECCIÓN REMOLQUE |  SWF_23 | INDICADOR DE DEPÓSITO |  SWF_179 | LAVA PARABRISAS |  SWF_28 | PARADA DE MOTOR |  SWF_195 | ELEVALLUMAS | | | | | | | | | |
|  SWF_172 | AUTOMÁTICO(A) ANTEBLOQUEO CODICE MOTOR |  SWF_95 | MOTOR TEMPERATURA |  SWF_207 | CLAXON |  SWF_28 | NIVEL SISTEMA AUTOMÁTICO / AUTOMATISMO ABAJO |  SWF_374 | EXTRACCIÓN DE AGUA DEL COMBUSTIBLE | | | | | | | | | |
|  SWF_171 | AUTOMÁTICO(A) ANTEBLOQUEO REMOLQUE |  SWF_16 | MOTOR PRESIÓN DE ACEITE | | |  SWF_28 | NIVEL SISTEMA AUTOMÁTICO / AUTOMATISMO ARRIBA |  SWF_48 | EJE ELEVABLE LEVANTAR | | | | | | | | | |
|  SWF_149 | DESCONEXIÓN SERVIDO DE DOLLY |  SWF_25 | CONTROL DE CARGA BATERIA | | |  SWF_28 | CILINDRO DE ESTABILIZACIÓN ABAJO |  SWF_224 | EJE ELEVABLE ACTIVACIÓN DE BOMBAS(S) | | | | | | | | | |
|  SWF_98 | REDUCCIÓN DE FUERZA DE FRENO |  SWF_19 | RESERVA DE AIRE COMPRIMIDO I | | |  SWF_103 | ESTABILIZACIÓN ARRIBA |  SWF_103 | INTERMITENTE LARGUERO CORREDERO | | | | | | | | | |
|  SWF_284 | VELOCIDAD / NÚMERO DE REVOLUCIONES |  SWF_20 | RESERVA DE AIRE COMPRIMIDO II | | |  SWF_284 | LARGUERO CORREDERO DENTRO / CONECTADO(A) | | | | | | | | | | | |
|  SWF_278 | CAJA DE CAMBIOS |  SWF_21 | RESERVA DE AIRE COMPRIMIDO III | | |  SWF_278 | LARGUERO CORREDERO FUERA / DESCONECTADO(A) | | | | | | | | | | | |
|  SWF_87 | ATENCIÓN |  SWF_279 | PRESIÓN DE FRENO I | | | | | | | | | | | | | | | |
| | |  SWF_280 | PRESIÓN DE FRENO II | | | | | | | | | | | | | | | |
| EXPLICACIÓN DE SÍMBOLOS / ICONOS | | | | | | | | | | | | | | | Ident-Nr. | 985574608 | = | U |
| | | | | | | | | | | | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| | | | | | | | | | | | | | | | | | Blatt | 141 |
| | | | | | | | | | | | | | | | | | von | 154 |

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|---|----------|-------|---------|----------|----------|--------------------------|--|----------------------------------|--|-----------|------------------------|-------|-----|
| 3 | | | Gez. | 11.09.09 | Iwerkigo | LIEBHERR WERK EHINGEN | | EXPLICACIÓN DE SÍMBOLOS / ICONOS | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerofu | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | | Blatt | 141 |
| | | | | | | | | | | | | von | 154 |

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|---------|----|-------------|-------|------|--|-----------|----|-------------|-------|------|--|----------|----|-------------|-------|
| BMK | | INSTALACIÓN | | HOJA | | BMK | | INSTALACIÓN | | HOJA | | BMK | | INSTALACIÓN | |
| HOJA | | HOJA | | HOJA | | HOJA | | HOJA | | HOJA | | HOJA | | HOJA | |
| A | | B | | C | | E | | F | | | | | | | |
| -A1 | =U | +H | 25.1 | | | -A100 | =U | +H | 133.6 | | | -A132_XB | =U | +F | 136.1 |
| -A5 | =U | +H | 27.1 | | | -A100_R2 | =U | +H | 45.1 | | | -A132_XC | =U | +F | 136.3 |
| -A9 | =U | +F | 29.2 | | | -A100_R3 | =U | +H | 77.4 | | | -A133 | =U | +F | 110.6 |
| -A10 | =U | +F | 30.2 | | | -A110 | =U | +H | 104.5 | | | -A134 | =U | +F | 113.3 |
| -A11 | =U | +H | 20.1 | | | -A110_A | =U | +H | 136.2 | | | -A134_X1 | =U | +F | 136.4 |
| -A12 | =U | +H | 21.1 | | | -A110_B | =U | +H | 136.1 | | | -A134_X2 | =U | +F | 136.5 |
| -A13 | =U | +F | 22.1 | | | -A110_D1 | =U | +H | 128.2 | | | -A134_X3 | =U | +F | 136.5 |
| -A14 | =U | +F | 23.1 | | | -A111_X | =U | +H | 136.3 | | | -A134_X4 | =U | +F | 136.6 |
| -A15 | =U | +H | 24.1 | | | -A112 | =U | +H | 128.5 | | | -A134_X5 | =U | +F | 136.4 |
| -A61 | =U | +F | 33.1 | | | -A112_X | =U | +H | 136.1 | | | -A134_X6 | =U | +F | 136.5 |
| -A62 | =U | +H | 34.1 | | | -A112_XA | =U | +H | 136.2 | | | -A134_X8 | =U | +F | 136.6 |
| -A63 | =U | +H | 35.1 | | | -A112_XC2 | =U | +H | 128.5 | | | -A134_X9 | =U | +F | 136.4 |
| -A68 | =U | +F | 72.4 | | | -A130 | =U | +F | 108.3 | | | -A135 | =U | +F | 113.6 |
| -A68_B1 | =U | +F | 72.4 | | | -A130_X1 | =U | +F | 136.3 | | | -A136 | =U | +H | 114.3 |
| -A68_Y1 | =U | +F | 72.6 | | | -A130_X2 | =U | +F | 136.1 | | | -A136_X2 | =U | +H | 136.5 |
| -A68_Y2 | =U | +F | 72.7 | | | -A130_X3 | =U | +F | 136.2 | | | -A137 | =U | +H | 114.3 |
| -A69 | =U | +F | 70.1 | | | -A130_X4 | =U | +F | 136.2 | | | -A137_M | =U | +H | 114.5 |
| -A69_X | =U | +F | 136.1 | | | -A130_X5 | =U | +F | 136.3 | | | -A137_R1 | =U | +H | 114.6 |
| -A71 | =U | +H | 45.1 | | | -A130_X6 | =U | +F | 136.3 | | | -A137_R2 | =U | +H | 114.7 |
| -A77 | =U | +H | 65.3 | | | -A130_X7 | =U | +F | 136.1 | | | -A137_X1 | =U | +H | 136.4 |
| -A99 | =U | +H | 122.3 | | | -A130_X8 | =U | +F | 136.2 | | | -A137_X2 | =U | +H | 136.5 |
| -A99_X1 | =U | +H | 136.1 | | | -A131 | =U | +F | 108.7 | | | -A137_X3 | =U | +H | 136.5 |
| -A99_X2 | =U | +H | 136.4 | | | -A132 | =U | +F | 110.2 | | | -A137_X4 | =U | +H | 136.6 |
| -A99_X3 | =U | +H | 136.1 | | | -A132_XA | =U | +F | 136.3 | | | -A137_X5 | =U | +H | 136.4 |

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|---|----------|-------|---------|----------|---------|---------------|--|--------------------|--|-----------|------------------------|-------|-----|
| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK | | MEDIOS DE SERVICIO | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerofo | EHINGEN | | | | | | + | H |
| 1 | | | | | | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | Blatt | 143 |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | | von | 154 |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|---------|-------------|-------|-------|---------|-------------|-------|-------|------|-------------|-------|------|-----|-------------|-------|------|
| BMK | INSTALACIÓN | VALOR | HOJA | BMK | INSTALACIÓN | VALOR | HOJA | BMK | INSTALACIÓN | VALOR | HOJA | BMK | INSTALACIÓN | VALOR | HOJA |
| -B13_X | =U | +F | 137.2 | -B123 | =U | +F | 121.4 | -E1 | =U | +H | 89.7 | | | | |
| -B14 | =U | +F | 119.3 | -B123_X | =U | +F | 137.2 | -E2 | =U | +H | 89.2 | | | | |
| -B14_X | =U | +F | 137.3 | -B124 | =U | +F | 121.5 | -E3 | =U | +H | 89.8 | | | | |
| -B27 | =U | +F | 71.5 | -B124_X | =U | +F | 137.3 | -E4 | =U | +H | 89.3 | | | | |
| -B27_X | =U | +F | 137.1 | -B701 | =M | +M | 55.2 | -E5 | =U | +H | 89.6 | | | | |
| -B28 | =U | +F | 68.1 | -B701_X | =M | +M | 137.1 | -E6 | =U | +H | 89.2 | | | | |
| -B29 | =U | +F | 69.7 | -B702 | =M | +M | 55.4 | -E10 | =U | +H | 90.4 | | | | |
| -B29_X | =U | +F | 137.1 | -B702_X | =M | +M | 137.2 | -E11 | =U | +H | 90.5 | | | | |
| -B30 | =U | +H | 53.2 | -B703 | =M | +M | 55.6 | -E14 | =U | +H | 90.7 | | | | |
| -B30_X | =U | +H | 137.2 | -B703_X | =M | +M | 137.2 | -E15 | =U | +H | 90.7 | | | | |
| -B31 | =U | +F | 54.2 | -B704 | =M | +M | 56.1 | -E20 | =U | +H | 91.4 | | | | |
| -B31_X | =U | +F | 137.3 | -B704_X | =M | +M | 137.3 | -E21 | =U | +H | 91.5 | | | | |
| -B39 | =U | +F | 54.4 | -B705 | =M | +M | 56.4 | -E22 | =U | +H | 91.6 | | | | |
| -B39_X | =U | +F | 137.1 | -B705_X | =M | +M | 137.1 | -E25 | =U | +H | 91.1 | | | | |
| -B40 | =M | +M | 54.7 | -B707 | =M | +M | 56.7 | -E26 | =U | +H | 91.2 | | | | |
| -B40_X | =M | +M | 137.1 | -B707_X | =M | +M | 137.2 | -E27 | =U | +H | 91.3 | | | | |
| -B70 | =U | +F | 66.2 | -B708 | =M | +M | 56.5 | -E28 | =U | +H | 91.2 | | | | |
| -B70_X | =U | +F | 137.2 | -B708_X | =M | +M | 137.2 | -E34 | =U | +H | 92.3 | | | | |
| -B100 | =U | +F | 120.4 | -B711 | =M | +M | 57.2 | -E35 | =U | +H | 92.4 | | | | |
| -B100_X | =U | +F | 137.3 | -B711_X | =M | +M | 137.3 | -E36 | =U | +H | 92.4 | | | | |
| -B121 | =U | +F | 121.2 | -B712 | =M | +M | 57.6 | -E37 | =U | +H | 92.6 | | | | |
| -B121_X | =U | +F | 137.1 | -B712_X | =M | +M | 137.1 | -E38 | =U | +H | 92.6 | | | | |
| -B122 | =U | +F | 121.3 | -B713 | =M | +M | 57.4 | -E39 | =U | +H | 92.7 | | | | |
| -B122_X | =U | +F | 137.2 | -B713_X | =M | +M | 137.2 | -E40 | =U | +H | 89.6 | | | | |

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| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK | | MEDIOS DE SERVICIO | | Ident-Nr. | 985574608 | | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerof0 | EHINGEN | | | | | | | + | H |
| 1 | | | | | | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | | Blatt | 145 |
| | Änderung | | Datum | Name | | Copyright (c) | | | | | | | von | 154 |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|----------|----|-------------|-------|------|--|----------|----|-------------|-------|------|--|---------|----|-------------|-------|
| BMK | | INSTALACIÓN | | HOJA | | BMK | | INSTALACIÓN | | HOJA | | BMK | | INSTALACIÓN | |
| U | | U | | U | | U | | U | | U | | U | | U | |
| X | | X | | X | | X | | X | | X | | X | | X | |
| E | | E | | E | | E | | E | | E | | E | | E | |
| 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| A | | A | | A | | A | | A | | A | | A | | A | |
| B | | B | | B | | B | | B | | B | | B | | B | |
| C | | C | | C | | C | | C | | C | | C | | C | |
| E | | E | | E | | E | | E | | E | | E | | E | |
| F | | F | | F | | F | | F | | F | | F | | F | |
| -E130_X | =U | +F | 137.5 | | | -E203_E1 | =U | +H | 117.6 | | | -F81 | =U | +H | 36.4 |
| -E131 | =U | +F | 99.5 | | | -E203_E2 | =U | +H | 117.7 | | | -F82 | =U | +H | 36.4 |
| -E131_E1 | =U | +F | 99.8 | | | -E203_S1 | =U | +H | 117.6 | | | -G1 | =U | +H | 36.4 |
| -E131_E2 | =U | +F | 99.8 | | | -E203_S2 | =U | +H | 117.6 | | | -G2 | =U | +H | 36.4 |
| -E131_E3 | =U | +F | 99.7 | | | -E203_X | =U | +H | 137.4 | | | -G3 | =U | +H | 36.4 |
| -E131_E4 | =U | +F | 99.7 | | | -E204 | =U | +H | 103.6 | | | -G4 | =U | +H | 36.4 |
| -E131_E5 | =U | +F | 99.6 | | | -E204_X | =U | +H | 137.5 | | | -G6 | =U | +H | 125.4 |
| -E131_E6 | =U | +F | 99.6 | | | -E206 | =U | +H | 101.1 | | | -G6.X3 | =U | +H | 125.6 |
| -E131_E7 | =U | +F | 99.6 | | | -E206_X | =U | +H | 137.6 | | | -G6_X1 | =U | +H | 137.4 |
| -E131_E8 | =U | +F | 99.5 | | | -E207 | =U | +H | 101.4 | | | -G6_X2 | =U | +H | 137.4 |
| -E131_X | =U | +F | 137.4 | | | -E207_X | =U | +H | 137.4 | | | -G700 | =M | +M | 51.4 |
| -E132_E4 | =U | +F | 99.4 | | | -E231 | =U | +F | 51.8 | | | -G700_X | =U | +F | 137.5 |
| -E133_E4 | =U | +F | 99.5 | | | -E232 | =U | +F | 62.5 | | | -H4 | =U | +H | 104.7 |
| -E200 | =U | +H | 101.7 | | | -E232_F | =U | +F | 62.5 | | | -H5 | =U | +H | 104.4 |
| -E200_X | =U | +H | 137.4 | | | -E232_S1 | =U | +F | 62.5 | | | -H24 | =U | +H | 95.3 |
| -E201 | =U | +H | 101.7 | | | -E232_X | =U | +F | 137.5 | | | -H25 | =U | +H | 118.7 |
| -E201_X | =U | +H | 137.4 | | | -E260 | =U | +F | 130.3 | | | -H51 | =U | +F | 88.8 |
| -E202 | =U | +H | 117.2 | | | -E260 | =U | +F | 131.4 | | | -H52 | =U | +F | 88.8 |
| -E202_E1 | =U | +H | 117.2 | | | -E261 | =U | +F | 131.2 | | | -H53 | =U | +F | 96.5 |
| -E202_E2 | =U | +H | 117.3 | | | -E261 | =U | +F | 130.1 | | | -K40 | =U | +H | 88.5 |
| -E202_S1 | =U | +H | 117.2 | | | -E262 | =U | +F | 130.2 | | | -K40_X | =U | +H | 137.4 |
| -E202_S2 | =U | +H | 117.2 | | | -E262 | =U | +F | 131.3 | | | -K41 | =U | +H | 124.1 |
| -E202_X | =U | +H | 137.4 | | | -F79 | =U | +H | 36.5 | | | -K47 | =U | +H | 95.2 |
| -E203 | =U | +H | 117.5 | | | -F80 | =U | +H | 36.5 | | | -K48 | =U | +H | 118.2 |

| | | | | | | | | | | | | | |
|---|----------|-------|---------|----------|---------|---------------|--|-------------------|--|-----------|------------------------|---|---|
| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK | | MEIOS DE SERVICIO | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerof0 | EHINGEN | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| 1 | | | | | | | | | | Blatt | 147 | | |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | von | 154 | | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|------|-------------|--------|-------|------|-------------|--------|-------|---------|-------------|--------|-------|-----|-------------|--------|------|
| BMK | INSTALACIÓN | UNIDAD | HOJA | BMK | INSTALACIÓN | UNIDAD | HOJA | BMK | INSTALACIÓN | UNIDAD | HOJA | BMK | INSTALACIÓN | UNIDAD | HOJA |
| -X14 | =U | +H | 138.3 | -X52 | =U | +H | 138.5 | -X90 | =U | +H | 45.1 | | | | |
| -X15 | =U | +H | 138.4 | -X53 | =U | +H | 138.7 | -X91 | =U | +H | 138.5 | | | | |
| -X16 | =U | +H | 138.3 | -X54 | =U | +H | 138.7 | -X92 | =U | +H | 138.6 | | | | |
| -X17 | =U | +H | 138.3 | -X56 | =U | +H | 138.8 | -X93 | =U | +H | 138.7 | | | | |
| -X18 | =U | +H | 138.3 | -X57 | =U | +H | 138.5 | -X99 | =U | +H | 138.8 | | | | |
| -X19 | =U | +H | 138.3 | -X64 | =U | +H | 138.6 | -X100 | =U | +H | 139.1 | | | | |
| -X20 | =U | +H | 138.3 | -X65 | =U | +H | 138.7 | -X101 | =U | +H | 139.1 | | | | |
| -X23 | =U | +H | 138.3 | -X67 | =U | +H | 138.7 | -X102 | =U | +H | 139.3 | | | | |
| -X24 | =U | +H | 138.3 | -X68 | =U | +H | 138.8 | -X103 | =U | +H | 139.1 | | | | |
| -X25 | =U | +H | 138.3 | -X69 | =U | +H | 138.8 | -X111 | =U | +H | 139.1 | | | | |
| -X26 | =U | +H | 138.3 | -X70 | =U | +H | 138.5 | -X112 | =U | +H | 139.2 | | | | |
| -X27 | =U | +H | 138.5 | -X71 | =U | +H | 138.7 | -X113 | =U | +F | 139.2 | | | | |
| -X28 | =U | +H | 138.7 | -X74 | =U | +H | 138.5 | -X130 | =U | +H | 139.1 | | | | |
| -X29 | =U | +H | 138.8 | -X75 | =U | +H | 138.5 | -X130_B | =U | +H | 139.1 | | | | |
| -X30 | =U | +H | 138.5 | -X76 | =U | +H | 138.7 | -X131 | =U | +H | 139.1 | | | | |
| -X31 | =U | +H | 138.6 | -X80 | =U | +H | 138.8 | -X133 | =U | +F | 139.2 | | | | |
| -X35 | =U | +H | 138.8 | -X81 | =U | +H | 138.5 | -X134 | =U | +H | 139.2 | | | | |
| -X37 | =U | +H | 138.5 | -X82 | =U | +H | 138.6 | -X135 | =U | +H | 139.1 | | | | |
| -X39 | =U | +F | 138.6 | -X84 | =U | +H | 138.8 | -X136 | =U | +H | 139.2 | | | | |
| -X44 | =U | +F | 33.1 | -X85 | =U | +H | 138.5 | -X137 | =U | +H | 139.2 | | | | |
| -X45 | =U | +F | 33.5 | -X86 | =U | +H | 138.6 | -X138 | =U | +H | 139.3 | | | | |
| -X46 | =U | +H | 35.1 | -X87 | =U | +H | 138.8 | -X190 | =U | +H | 133.1 | | | | |
| -X47 | =U | +H | 34.1 | -X88 | =U | +H | 138.5 | -X190_B | =U | +H | 133.1 | | | | |
| -X50 | =U | +H | 133.1 | -X89 | =U | +H | 138.8 | -X196 | =U | +H | 139.1 | | | | |

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|---|----------|-------|---------|----------|---------|---------------|--|------------------------|--|-----------|-----------|-------|-----|
| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK | | MEDIOS DE SERVICIO | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerof0 | EHINGEN | | | | + | | + | H |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | 3262-920.28.00.001-010 | | Zeich-Nr. | | Blatt | 150 |
| | | | | | | | | | | von | | | 154 |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|---------|----|-------------|-------|------|--|-------|----|-------------|-------|------|--|---------|----|-------------|-------|
| BMK | | INSTALACIÓN | | HOJA | | BMK | | INSTALACIÓN | | HOJA | | BMK | | INSTALACIÓN | |
| | | | | | | | | | | | | | | | |
| -X198 | =U | +H | 139.1 | | | -X280 | =U | +H | 139.3 | | | -X654 | =U | +H | 24.1 |
| -X199 | =U | +H | 122.6 | | | -X611 | =U | +H | 20.2 | | | -X655 | =U | +H | 24.1 |
| -X199_X | =U | +H | 139.1 | | | -X612 | =U | +H | 20.3 | | | -X702 | =M | +M | 139.3 |
| -X200 | =U | +F | 139.3 | | | -X613 | =U | +H | 20.1 | | | -X711 | =U | +H | 25.1 |
| -X202 | =U | +F | 139.3 | | | -X614 | =U | +H | 20.1 | | | -X712 | =U | +H | 25.1 |
| -X203 | =U | +F | 97.1 | | | -X615 | =U | +H | 20.1 | | | -X713 | =U | +H | 25.1 |
| -X207 | =U | +F | 139.4 | | | -X621 | =U | +H | 21.2 | | | -X714 | =U | +H | 25.1 |
| -X210 | =U | +H | 90.1 | | | -X622 | =U | +H | 21.3 | | | -X721 | =U | +H | 27.2 |
| -X211 | =U | +F | 139.3 | | | -X623 | =U | +H | 21.1 | | | -X724 | =U | +H | 27.1 |
| -X212 | =U | +F | 139.5 | | | -X624 | =U | +H | 21.1 | | | -X734 | =U | +F | 29.1 |
| -X213 | =U | +F | 139.3 | | | -X625 | =U | +H | 21.1 | | | -X744 | =U | +F | 30.1 |
| -X214 | =U | +F | 139.4 | | | -X631 | =U | +F | 22.2 | | | -XM1 | =U | +H | 133.4 |
| -X215 | =U | +F | 97.6 | | | -X632 | =U | +F | 22.3 | | | -XM2 | =U | +H | 133.4 |
| -X224 | =U | +H | 139.5 | | | -X633 | =U | +F | 22.1 | | | -XM3 | =U | +H | 133.4 |
| -X228 | =U | +H | 131.8 | | | -X634 | =U | +F | 22.1 | | | -XM4 | =U | +H | 133.7 |
| -X228 | =U | +H | 130.8 | | | -X635 | =U | +F | 22.1 | | | -XM5 | =U | +H | 133.7 |
| -X229 | =U | +F | 131.3 | | | -X641 | =U | +F | 23.2 | | | -XM6 | =U | +H | 133.7 |
| -X229 | =U | +F | 130.2 | | | -X642 | =U | +F | 23.3 | | | -XM6.1 | =U | +F | 135.2 |
| -X240 | =U | +F | 139.3 | | | -X643 | =U | +F | 23.1 | | | -XM6.4 | =U | +F | 135.2 |
| -X245 | =U | +F | 139.4 | | | -X644 | =U | +F | 23.1 | | | -XM6.5 | =U | +F | 135.2 |
| -X276 | =U | +F | 139.4 | | | -X645 | =U | +F | 23.1 | | | -XM6.6 | =U | +F | 135.4 |
| -X277 | =U | +F | 139.5 | | | -X651 | =U | +H | 24.2 | | | -XM6.8 | =U | +F | 135.3 |
| -X278 | =U | +F | 139.3 | | | -X652 | =U | +H | 24.3 | | | -XM6.10 | =U | +F | 135.4 |
| -X279 | =U | +F | 139.5 | | | -X653 | =U | +H | 24.1 | | | -XM6.11 | =U | +F | 135.5 |

| | | | | | | | | | | | | | | | |
|----------|--|-------|---------|----------|---------|---------------|--|--------------------|--|--|--|-----------|------------------------|---|---|
| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK | | MEDIOS DE SERVICIO | | | | Ident-Nr. | 985574608 | = | U |
| 2 | | | Ausgabe | 18.09.09 | Iwerof0 | EHINGEN | | | | | | Zeich-Nr. | 3262-920.28.00.001-010 | + | H |
| 1 | | | | | | | | | | | | Blatt | 151 | | |
| Änderung | | Datum | Name | Datum | Name | Copyright (c) | | | | | | von | 154 | | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|---------|-------------|-------|-------|-------|-------------|-------|-------|---------|-------------|-------|-------|-----|-------------|-------|------|
| BMK | INSTALACIÓN | VALOR | HOJA | BMK | INSTALACIÓN | VALOR | HOJA | BMK | INSTALACIÓN | VALOR | HOJA | BMK | INSTALACIÓN | VALOR | HOJA |
| -XM6.12 | =U | +F | 135.5 | -Y19 | =U | +F | 79.8 | -Y84a | =U | +F | 85.2 | | | | |
| -XM6.13 | =U | +F | 135.5 | -Y20 | =U | +F | 76.2 | -Y84b | =U | +F | 85.2 | | | | |
| -XM6.14 | =U | +F | 135.5 | -Y21 | =U | +F | 76.4 | -Y85a | =U | +F | 85.3 | | | | |
| -XM6.15 | =U | +F | 135.5 | -Y30 | =U | +F | 83.1 | -Y85b | =U | +F | 85.4 | | | | |
| -XM6.16 | =U | +F | 135.7 | -Y31 | =U | +F | 83.3 | -Y86a | =U | +F | 85.5 | | | | |
| -XM6.17 | =U | +F | 135.7 | -Y32 | =U | +F | 83.2 | -Y86b | =U | +F | 85.5 | | | | |
| -XM8.2 | =U | +F | 135.4 | -Y33 | =U | +F | 83.4 | -Y87a | =U | +F | 85.7 | | | | |
| -XM34.1 | =U | +F | 135.2 | -Y34 | =U | +F | 83.2 | -Y87b | =U | +F | 85.7 | | | | |
| -XM34.2 | =U | +F | 135.4 | -Y36 | =U | +F | 83.3 | -Y91 | =U | +F | 86.4 | | | | |
| -XM34.3 | =U | +F | 135.5 | -Y39 | =U | +F | 123.5 | -Y92 | =U | +F | 86.5 | | | | |
| -XM34.4 | =U | +F | 135.7 | -Y47 | =U | +F | 123.5 | -Y93 | =U | +F | 86.6 | | | | |
| -XM104 | =U | +F | 134.4 | -Y48 | =U | +F | 123.6 | -Y95 | =U | +F | 86.7 | | | | |
| -Y5 | =U | +F | 77.5 | -Y50 | =U | +F | 61.4 | -Y107 | =U | +H | 107.3 | | | | |
| -Y6a | =U | +F | 78.3 | -Y51 | =U | +F | 52.7 | -Y107_X | =U | +H | 139.6 | | | | |
| -Y6b | =U | +F | 78.3 | -Y52 | =U | +F | 64.4 | -Y108 | =U | +H | 105.7 | | | | |
| -Y9a | =U | +F | 77.2 | -Y72 | =U | +F | 71.6 | -Y108_X | =U | +H | 139.7 | | | | |
| -Y9b | =U | +F | 77.2 | -Y80a | =U | +F | 84.2 | -Y109 | =U | +H | 105.8 | | | | |
| -Y10 | =U | +F | 79.2 | -Y80b | =U | +F | 84.2 | -Y109_X | =U | +H | 139.7 | | | | |
| -Y11 | =U | +F | 79.3 | -Y81a | =U | +F | 84.3 | -Y112 | =U | +F | 115.6 | | | | |
| -Y12 | =U | +F | 79.4 | -Y81b | =U | +F | 84.4 | -Y112_X | =U | +F | 139.8 | | | | |
| -Y13 | =U | +F | 79.5 | -Y82a | =U | +F | 84.5 | -Y150 | =U | +F | 110.4 | | | | |
| -Y16 | =U | +F | 79.6 | -Y82b | =U | +F | 84.5 | -Y151 | =U | +F | 110.5 | | | | |
| -Y17 | =U | +F | 79.6 | -Y83a | =U | +F | 84.7 | -Y154 | =U | +F | 66.7 | | | | |
| -Y18 | =U | +F | 79.7 | -Y83b | =U | +F | 84.7 | -Y155 | =U | +F | 66.6 | | | | |

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|---|----------|--|---------|----------|---------|---------------|--|--------------------|--|-----------|--|------------------------|--|---|--|-------|--|-----|--|
| 3 | | | Gez. | 11.09.09 | Iweklg0 | LIEBHERR WERK | | MEDIOS DE SERVICIO | | Ident-Nr. | | 985574608 | | = | | U | | | |
| 2 | | | Ausgabe | 18.09.09 | Iwerofo | EHINGEN | | | | Zeich-Nr. | | 3262-920.28.00.001-010 | | | | + | | H | |
| 1 | | | | | | | | | | | | | | | | Blatt | | 152 | |
| | Änderung | | Datum | Name | Datum | Copyright (c) | | | | | | | | | | von | | 154 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------|--|-------|----------|--|----------|-------------|------------------------|
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| 3 | | Gez . | 05.11.09 | LIEBHERR WERK | | HOJA ÍNDICE | |
| 2 | | | | EHINGEN | | | |
| 1 | Änderung | Datum | Name | Ausgabe | 10.05.10 | Ident-Nr . | 986646708 |
| | | | | | | Zeich-Nr . | 3362-932.35.00.001-001 |
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| HOJA ÍNDICE | | | | | | | | | | | | | | | | |
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| | GSM - MÓDULO (TC35 TERMINAL) | | | | | | | | | | | | | | | |
| | HOJA ÍNDICE | | | | | | | | | | | | | | | |
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| | HOMBRE MUERTO | | | | | | | | | | | | | | | |
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| | INMOVILIZACIÓN DE PLATAFORMA GIRATORIA | | | | | | | | | | | | | | | |
| | INSTALACIÓN DE / EN CABINA | | | | | | | | | | | | | | | |
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| | INSTRUMENTOS / VALVULERÍA | | | | | | | | | | | | | | | |
| | INTERRUPTOR DE ENCENDIDO Y ARRANQUE | | | | | | | | | | | | | | | |
| | INTERRUPTOR DE FIN DE CARRERA CUANDO / SI CABEZA DE PLUMA DESMONTADO(A) | | | | | | | | | | | | | | | |
| | INTERRUPTOR DE FIN DE CARRERA PLUMÍN ABATIBLE | | | | | | | | | | | | | | | |
| | INTERRUPTOR DE FIN DE CARRERA TRAMO TELESCÓPICO | | | | | | | | | | | | | | | |
| | LÁMPARA DE LECTURA | | | | | | | | | | | | | | | |
| C | LÁMPARA TESTIGO BRIDA DE CALEFACCIÓN | | | | | | | | | | | | | | | |
| | LED LUZ CONTINUA | | | | | | | | | | | | | | | |
| | LED LUZ DE SEGURIDAD AÉREA | | | | | | | | | | | | | | | |
| | LEYENDA | | | | | | | | | | | | | | | |
| | LICCON REGISTRADOR DE DATOS | | | | | | | | | | | | | | | |
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| | LICCON TRANSMISOR CABRESTANTE 2 | | | | | | | | | | | | | | | |
| | LICCON TRANSMISOR CABRESTANTE 3 | | | | | | | | | | | | | | | |
| | LIMITADOR DE CARGA - GRADO DE UTILIZACIÓN / RENDIMIENTO | | | | | | | | | | | | | | | |
| | LIMPIA-LAVA INTERVALO | | | | | | | | | | | | | | | |
| E | LIMPIAPARABRISAS | | | | | | | | | | | | | | | |
| | LMB - SERVICIO DE EMERGENCIA PUENTE | | | | | | | | | | | | | | | |
| | LUBRICACIÓN CENTRALIZADA | | | | | | | | | | | | | | | |
| | LUZ DE IDENTIFICACIÓN OMNIDIRECCIONAL | | | | | | | | | | | | | | | |
| | MANDO DENTRO / CONECTADO(A) | | | | | | | | | | | | | | | |
| | MECANISMO DE ELEVACIÓN 1 CONTROLER DERECHA | | | | | | | | | | | | | | | |
| | MECANISMO DE ELEVACIÓN 2 CONTROLER IZQUIERDA | | | | | | | | | | | | | | | |
| | MECANISMO DE GIRO | | | | | | | | | | | | | | | |
| | MECANISMO DE GIRO | | | | | | | | | | | | | | | |
| | MECANISMO DE GIRO CONTROLER IZQUIERDA | | | | | | | | | | | | | | | |
| F | MEDIOS DE SERVICIO | | | | | | | | | | | | | | | |
| | MEDIOS DE SERVICIO | | | | | | | | | | | | | | | |
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| | MÓDULO DE E/S 6 ALIMENTACIÓN DE CORRIENTE | | | | | | | | | | | | | | | |
| | MÓDULO DE E/S 6 ASIGNACIÓN / OCUPACIÓN | | | | | | | | | | | | | | | |
| | MÓDULO DE E/S 6 BUS CAN | | | | | | | | | | | | | | | |
| | MÓDULO DE E/S 6 DIAGNÓSTICO CALEFACCIÓN | | | | | | | | | | | | | | | |
| | MÓDULO DE E/S 6 LSB 3 | | | | | | | | | | | | | | | |
| | MONITOR 0 | | | | | | | | | | | | | | | |
| | MONITOR 2 | | | | | | | | | | | | | | | |
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| | HOJA ÍNDICE | | | | | | | | | | | | | | | |
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| MONTAJE | | | | | | | | | | | | | | | | |
| MONTAJE CILINDRO DE BASCULAMIENTO | | | | | | | | | | | | | | | | |
| MOTOR - ECU | | | | | | | | | | | | | | | | |
| MOTOR - ECU ALIMENTACIÓN DE CORRIENTE - ECU | | | | | | | | | | | | | | | | |
| MOTOR - ECU BUS CAN | | | | | | | | | | | | | | | | |
| MOTOR - ECU DIAGNÓSTICO | | | | | | | | | | | | | | | | |
| MOTOR - ECU ENCENDIDO CONECTADO / ARRANQUE DE MOTOR | | | | | | | | | | | | | | | | |
| MOTOR - ECU ENCENDIDO CONECTADO / ARRANQUE DE MOTOR | | | | | | | | | | | | | | | | |
| MOTOR - EECU PEDAL ACCELERADOR / NIVEL DE AGUA DE REFRIGERACIÓN / FILTRO DE AIRE | | | | | | | | | | | | | | | | |
| MOTOR - ELECTRÓNICA ECU | | | | | | | | | | | | | | | | |
| MOTOR DE ARRANQUE | | | | | | | | | | | | | | | | |
| MOTORCONTROL LICCON | | | | | | | | | | | | | | | | |
| NIVEL DE AGUA DE REFRIGERACIÓN | | | | | | | | | | | | | | | | |
| PEDAL-BALANCÍN TELESOPAR | | | | | | | | | | | | | | | | |
| PEDAL ACCELERADOR | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA EP 0 (-A0) LSB-STROMQUELLE 1 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA EP 1 (-A1) LSB-STROMQUELLE 2 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA EP 2 (-A2) LSB-STROMQUELLE 3 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA EP 3 (-A3) LSB-STROMQUELLE 4 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA EP 4 (-A4) LSB-STROMQUELLE 5 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA EP 5 (-A5) LSB-STROMQUELLE 6 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA LSB 1 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA LSB 2 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA LSB 3 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA LSB 4 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA LSB 5 | | | | | | | | | | | | | | | | |
| PLACA DE ENTRADA LSB 6 | | | | | | | | | | | | | | | | |
| PLUMA ESCARPADO / INCLINADO | | | | | | | | | | | | | | | | |
| PRECALENTAMIENTO ACEITE HIDRÁULICO / AGUA DE REFRIGERACIÓN MOTOR 230V | | | | | | | | | | | | | | | | |
| PRECALENTAMIENTO DE DIESEL | | | | | | | | | | | | | | | | |
| PRESIÓN DE ACEITE | | | | | | | | | | | | | | | | |
| PRESIÓN DE AIRE DE SOBREALIMENTACIÓN | | | | | | | | | | | | | | | | |
| PUENTE LMB - SERVICIO DE EMERGENCIA | | | | | | | | | | | | | | | | |
| PUERTO DE MANDO | | | | | | | | | | | | | | | | |
| RADIADOR | | | | | | | | | | | | | | | | |
| RADIADOR DE ACEITE | | | | | | | | | | | | | | | | |
| RADIO (PETICIÓN DEL CLIENTE) | | | | | | | | | | | | | | | | |
| REGISTRADOR DE DATOS LICCON | | | | | | | | | | | | | | | | |
| RESERVA - ASIGNACIÓN / OCUPACIÓN | | | | | | | | | | | | | | | | |
| RÓTULO DE AVISO | | | | | | | | | | | | | | | | |
| SALIDAS BASCULAR | | | | | | | | | | | | | | | | |
| SALIDAS BOMBA 1 - CABRESTANTE 1 | | | | | | | | | | | | | | | | |
| SALIDAS BOMBA 2 - CABRESTANTE 2 | | | | | | | | | | | | | | | | |
| SALIDAS BOMBA 3 - CABRESTANTE 3 | | | | | | | | | | | | | | | | |
| SALIDAS ETAPA DE PRESIÓN | | | | | | | | | | | | | | | | |
| SALIDAS MECANISMO DE GIRO | | | | | | | | | | | | | | | | |
| SALIDAS TELESOPAR | | | | | | | | | | | | | | | | |
| SECADOR DE AIRE | | | | | | | | | | | | | | | | |
| SELECCIÓN BASCULAR | | | | | | | | | | | | | | | | |
| SENSOR DE TEMPERATURA ACEITE HIDRÁULICO | | | | | | | | | | | | | | | | |
| SERVICIO DE DOLLY | | | | | | | | | | | | | | | | |
| SERVICIO DE EMERGENCIA TRAMO TELESCÓPICO | | | | | | | | | | | | | | | | |
| SINOPSIS CALEFACCIÓN CON CALEFACCIÓN ADICIONAL THERMO 90 ST | | | | | | | | | | | | | | | | |
| SINOPSIS CÁMARA | | | | | | | | | | | | | | | | |
| SINOPSIS DE APARATOS | | | | | | | | | | | | | | | | |
| SINOPSIS DE APARATOS | | | | | | | | | | | | | | | | |
| SINOPSIS INSTALACIÓN ARMARIO DE DISTRIBUCIÓN | | | | | | | | | | | | | | | | |
| SINOPSIS INSTALACIÓN CABINA | | | | | | | | | | | | | | | | |
| SINOPSIS INSTALACIÓN GRUPO | | | | | | | | | | | | | | | | |
| SINOPSIS INSTALACIÓN PLATAFORMA GIRATORIA | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| = S1 | | | | | | | | | | | | | | | | |
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| Blatt 3 | | | | | | | | | | | | | | | | |
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|--|------|-----------------|--|------------------------|--|--|--|-------------------------------------|--|-------------------|--|-----------------------|--|---------|--|
| FUSIBLE / DISPOSITIVO DE SEGURIDAD/ FUNCIONAMIENTO | | FUSIBLE | | FUSIBLE | | FUSIBLE | | FUSIBLE | | FUSIBLE | | FUSIBLE | | FUSIBLE | |
| -F1 / 10A | 66.1 | MÓDULO DE E/S 6 | | MONITOR | | FUENTE DE ALIMENTACIÓN , ARMARIO DE DISTRIBUCIÓN CAJA DE ENCHUFE , ILUMINACIÓN | | INTERRUPTOR DE ENCENDIDO Y ARRANQUE | | DEPÓSITO POSICIÓN | | DEPÓSITO ALIMENTACIÓN | | -XF1 | |
| -F2 / 10A | 66.1 | | | | | | | | | | | | | -XF1 | |
| -F3 / 10A | 66.2 | | | | | | | | | | | | | -XF1 | |
| -F4 / 10A | 66.3 | | | | | | | | | | | | | -XF1 | |
| -F5 / 7,5A | 66.3 | | | | | | | | | | | | | -XF1 | |
| -F6 / 20A | 66.4 | | | | | | | | | | | | | -XF1 | |
| -F7 / 20A | 66.5 | | | | | | | | | | | | | -XF2 | |
| -F8 / --A | 66.5 | | | | | | | | | | | | | -XF2 | |
| -F9 / 20A | 66.6 | | | | | | | | | | | | | -XF2 | |
| -F10 / --A | 66.6 | | | | | | | | | | | | | -XF2 | |
| -F11 / 20A | 66.7 | | | | | | | | | | | | | -XF2 | |
| -F12 / 20A | 66.7 | | | | | | | | | | | | | -XF2 | |
| -F13 / 10A | 67.1 | | | | | | | | | | | | | -XF3 | |
| -F14 / 10A | 67.1 | | | | | | | | | | | | | -XF3 | |
| -F15 / 15A | 67.2 | | | | | | | | | | | | | -XF3 | |
| -F16 / 10A | 67.3 | | | | | | | | | | | | | -XF3 | |
| -F17 / 10A | 67.3 | | | | | | | | | | | | | -XF3 | |
| -F18 / 10A | 67.4 | | | | | | | | | | | | | -XF3 | |
| -F19 / 7,5A | 67.5 | | | | | | | | | | | | | -XF4 | |
| -F20 / 7,5A | 67.5 | | | | | | | | | | | | | -XF4 | |
| -F21 / 7,5A | 67.6 | | | | | | | | | | | | | -XF4 | |
| -F22 / 7,5A | 67.6 | | | | | | | | | | | | | -XF4 | |
| -F23 / 7,5A | 67.7 | | | | | | | | | | | | | -XF4 | |
| -F24 / 7,5A | 67.7 | | | | | | | | | | | | | -XF4 | |
| -F25 / 10A | 69.1 | | | | | | | | | | | | | -XF5 | |
| -F26 / 10A | 69.1 | | | | | | | | | | | | | -XF5 | |
| -F27 / 7,5A | 69.2 | | | | | | | | | | | | | -XF5 | |
| -F28 / 20A | 69.3 | | | | | | | | | | | | | -XF5 | |
| -F29 / 10A | 69.3 | | | | | | | | | | | | | -XF5 | |
| -F30 / 10A | 69.4 | | | | | | | | | | | | | -XF5 | |
| ASIGNACIÓN DE FUSIBLES | | Ident-Nr. | | 986646708 | | = | | S1 | | | | | | | |
| | | Zeich-Nr. | | 3362-932.35.00.001-001 | | + | | S1 | | | | | | | |
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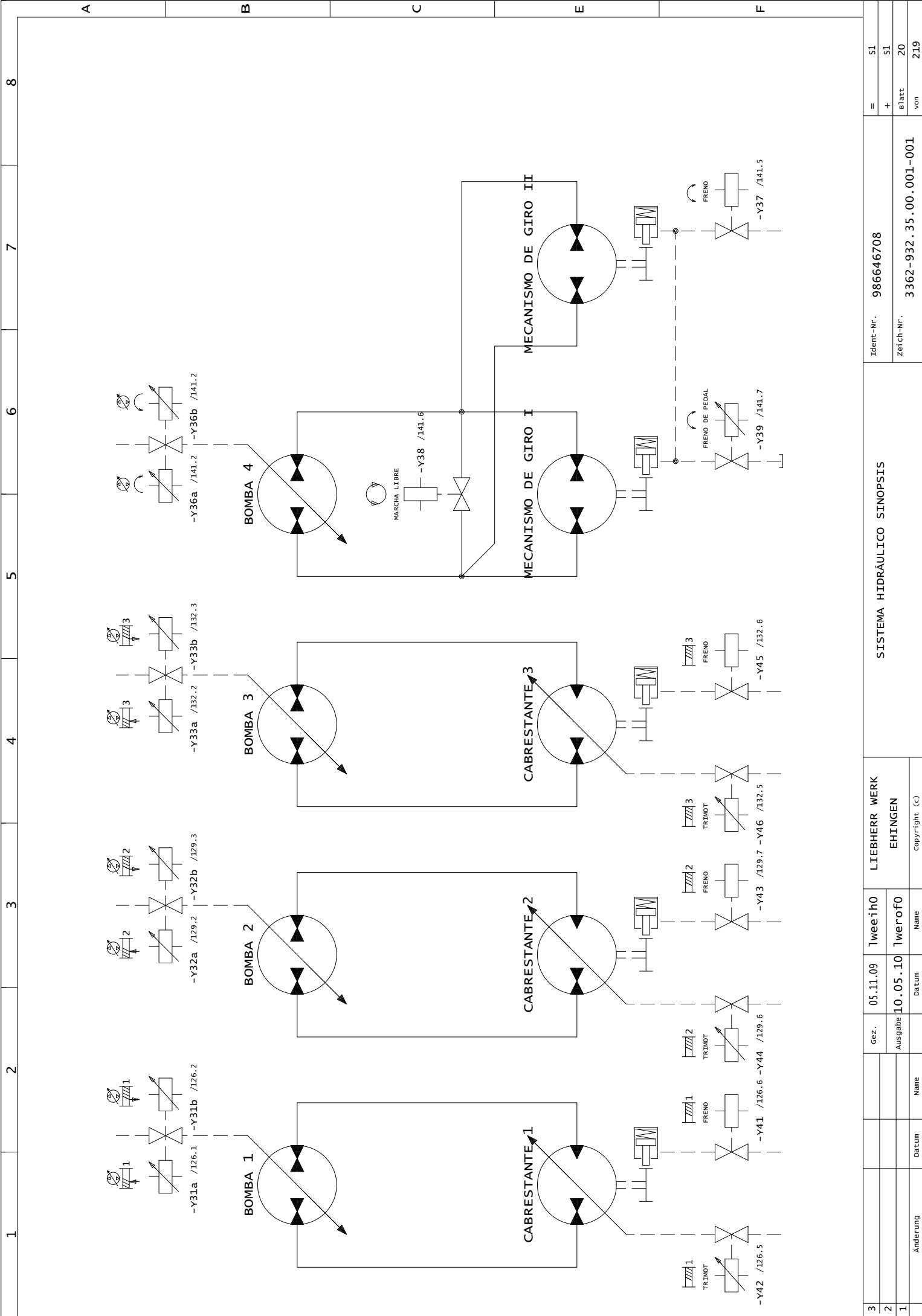
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|--------------|----------|-------|---|----------|----------|--|--|---|-----------|------------------------|-------|-----|
| E/I/A | | HOJA | FUNCIÓN / FUNCIONAMIENTO | | | TIPO | CLAVIJA | | | | | |
| E.E6.0 | A | 89.6 | DIAGNÓSTICO CALEFACCIÓN | | | E=0...10V,4...20mA E=0...10V,4...20mA E=0...10V,4...20mA E=0...10V,4...20mA | -X662:17 -X662:15 -X662:13 -X662:11 | | | | | |
| E.E6.1 | | | | | | | | | | | | |
| E.E6.2 | | | | | | | | | | | | |
| E.E6.3 | | | | | | | | | | | | |
| E.E6.4 | B | 91.3 | SENSOR DE TEMPERATURA ACEITE HIDRÁULICO | | | E=0...10V E=0...10V E=0...10V E=0...10V | -X662:9 -X662:7 -X662:5 -X662:3 | | | | | |
| E.E6.5 | | | | | | | | | | | | |
| E.E6.6 | | 91.6 | TRANSMISOR DE DEPÓSITO SEÑAL | | | A=10mA A=10mA A=10mA A=10mA | -X662:10 -X662:8 -X662:6 -X662:4 | | | | | |
| E.E6.7 | | | | | | | | | | | | |
| E.S6.4 | | | | | | | | | | | | |
| E.S6.5 | | | | | | | | | | | | |
| E.S6.6 | | | | | | | | | | | | |
| E.S6.7 | | 91.5 | TRANSMISOR DE DEPÓSITO SEÑAL | | | | | | | | | |
| E.DE6.0 | C | 89.6 | AIRE ACONDICIONADO DENTRO / CONECTADO(A) | | | E=HIGH>4V/LOW<2V E=HIGH>4V/LOW<2V E=HIGH>4V/LOW<2V E=HIGH>4V/LOW<2V | -X662:18 -X662:16 -X662:14 -X662:12 | | | | | |
| E.DE6.1 | | | | | | | | | | | | |
| E.DE6.2 | | | | | | | | | | | | |
| E.DE6.3 | | | | | | | | | | | | |
| E.VCCEA6.1 | | 88.2 | TENSION DE SERVICIO | | | - - | -X661:11 -X661:9 | | | | | |
| E.VCCEA6.2 | | | | | | | | | | | | |
| E.DEA6.0 | | 155.7 | FIJOS(AS) / FIRMES / SÓLIDOS(AS) PLUMÍN / PUNTAESCHLÄR / ABWÄRDV (A=24V/2A) | | | | -X663:17 | | | | | |
| E.DEA6.1 | | 155.6 | FIJOS(AS) / FIRMES / SÓLIDOS(AS) PLUMÍN / PUNTAESCHLÄR / ABWÄRDV (A=24V/2A) | | | | -X663:15 | | | | | |
| E.DEA6.2 | E | 158.7 | AYUDA DE BOBINADO TY DERECHA | | | E=HIGH>4V/LOW<2V (A=24V/2A) | -X663:13 | | | | | |
| E.DEA6.3 | | 158.6 | AYUDA DE BOBINADO TY IZQUIERDA | | | E=HIGH>4V/LOW<2V (A=24V/2A) | -X663:11 | | | | | |
| E.DEA6.4 | | 157.1 | Y - AJUSTE / DESPLAZAMIENTO LIBRE | | | E=HIGH>4V/LOW<2V (A=24V/2A) | -X663:9 | | | | | |
| E.DEA6.5 | | | | | | E=HIGH>4V/LOW<2V (A=24V/2A) | -X663:7 | | | | | |
| E.DEA6.6 | F | | | | | E=HIGH>4V/LOW<2V (A=24V/2A) | -X663:5 | | | | | |
| E.DEA6.7 | | | | | | E=HIGH>4V/LOW<2V (A=24V/2A) | -X663:3 | | | | | |
| E.VCCA6.0 | | 88.2 | TENSION DE SERVICIO | | | - - | -X661:1 -X661:3 | | | | | |
| E.VCCA6.1 | | | | | | - - | -X661:5 -X661:7 | | | | | |
| E.VCCA6.2 | | 88.3 | TENSION DE SERVICIO | | | | | | | | | |
| E.VCCA6.3 | | | | | | | | | | | | |
| E.A6.0 | | | | | | A=24V/8A A=24V/8A A=24V/8A A=24V/8A | -X663:18 -X663:16 -X663:14 -X663:12 | | | | | |
| E.A6.1 | | | | | | | | | | | | |
| E.A6.2 | | | | | | | | | | | | |
| E.A6.3 | | | | | | | | | | | | |
| E.GNDMESS6.1 | | | | | | E=0...10A | -X661:18 | | | | | |
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| 3 | | | Gez. | 05.11.09 | 1wee iho | MÓDULO DE E/S 6 ASIGNACIÓN / OCUPACIÓN | | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | Ausgabe | 10.05.10 | 1werof0 | EHINGEN | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | Blatt | 7 |
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|--------|--|-------|--|----------|--------------------------|------------|----------------------------------|---|
| E/I/A | | HOJA | FUNCIÓN / FUNCIONAMIENTO | | TIPO | CLAVIJA | | |
| E6.0 | | 136.2 | TRANSDUCTOR DE PRESIÓN BOMBA 5-7 SERVICIO DE EMERGENCIA TRAMO TELESCÓPICO MS 3Y MS 1X | | A/D | -X635C:d2 | | |
| E6.1 | | 135.7 | | | A/D | -X635C:d4 | | |
| E6.2 | | 135.6 | | | A/D | -X635C:d6 | | |
| E6.3 | | 130.7 | | | A/D | -X635C:d8 | | |
| E6.4 | | | | | A/D | -X635C:d10 | | |
| E6.5 | | | | | A/D | -X635C:d12 | | |
| E6.6 | | | | | A/D | -X635C:d14 | | |
| E6.7 | | | | | A/D | -X635C:d16 | | |
| E6.8 | | | | | A/D | -X635C:d18 | | |
| E6.9 | | | | | A/D | -X635C:d20 | | |
| E6.10 | | | | | A/D | -X635C:d22 | | |
| E6.11 | | | | | A/D | -X635C:d24 | | |
| E6.12 | | | | | A/D | -X635C:d26 | | |
| E6.13 | | 159.5 | | | A/D | -X635C:d28 | | |
| E6.14 | | 159.3 | | | A/D | -X635C:d30 | | |
| E6.15 | | 133.3 | | | A/D | -X635C:d32 | | |
| E7.0 | | 133.5 | BASCULAR ARRIBA EN CASO DE / JUNTO A / CON SOBRECARGA | | A/D | -X635C:b2 | | |
| E7.1 | | 142.7 | | | A/D | -X635C:b4 | | |
| E7.2 | | 142.8 | | | A/D | -X635C:b6 | | |
| E7.3 | | 135.4 | | | A/D | -X635C:b8 | | |
| E7.4 | | 135.3 | | | A/D | -X635C:b10 | | |
| E7.5 | | 122.6 | | | A/D | -X635C:b12 | | |
| E7.6 | | 130.5 | | | A/D | -X635C:b14 | | |
| E7.7 | | 130.2 | | | A/D | -X635C:b16 | | |
| E7.8 | | 122.2 | | | A/D | -X635C:b18 | | |
| E7.9 | | 143.5 | | | A/D | -X635C:b20 | | |
| E7.10 | | 151.4 | | | A/D | -X635C:b22 | | |
| E7.11 | | 152.3 | | | A/D | -X635C:b24 | | |
| E7.12 | | 153.5 | INMOVILIZACIÓN DE PLATAFORMA GIRATORIA DENTRO / FUERA / DESCONECTADO(A) / AGNNECTADO(A) / FUERA / DESCONECTADO(A) | | A/D | -X635C:b26 | | |
| E7.13 | | 154.7 | | | A/D | -X635C:b28 | | |
| E7.14 | | 138.7 | | | A/D | -X635C:b30 | | |
| E7.15 | | 138.7 | | | A/D | -X635C:b32 | | |
| INK6.A | | | | | I | -X635C:z2 | | |
| INK6.B | | | | | I | -X635C:z4 | | |
| INK7.A | | | | | I | -X635C:z6 | | |
| INK7.B | | | | | I | -X635C:z8 | | |
| A6.0 | | 138.1 | TRAMO TELESCÓPICO X DESEMBULONAR CILINDRO DESEMBULONAR BOMBA 5 TELESCOPAR / BASCULAR ARRIBA BOMBA 6-7 TELESCOPAR / BASCULAR ARRIBA FRENO DE BAJADA BASCULAR ABAJO ETAPA DE PRESIÓN BOMBA 10 (D1=100 BARES) ETAPA DE PRESIÓN BOMBA 10 (D1=170 BARES) ETAPA DE PRESIÓN BOMBA 10 (D1=200 BARES) | | A/D | -X73:16 | | |
| A6.1 | | 138.3 | | | A/D | -X73:17 | | |
| A6.2 | | 136.5 | | | A/D | -X73:18 | | |
| A6.3 | | 136.8 | | | A/D | -X73:19 | | |
| A6.4 | | 134.1 | | | A/D | -X73:20 | | |
| A6.5 | | 142.1 | | | A/D | -X73:21 | | |
| A6.6 | | 142.2 | | | A/D | -X73:22 | | |
| A6.7 | | 142.3 | | | A/D | -X73:23 | | |
| 3 | | | Gez. | 05.11.09 | LIEBHERR WERK EHINGEN | | UNIDAD CENTRAL 3 | |
| | | | Ausgabe | 10.05.10 | | | | |
| | | | | | | | | |
| 1 | | | Datum | Name | Copyright (c) | | Ident-Nr. 986646708 | |
| | | | | | | | Zeich-Nr. 3362-932.35.00.001-001 | |
| | | | | | | | = S1 | |
| | | | | | | | + S1 | |
| | | | | | | | Blatt 11 | |
| | | | | | | | von 219 | |

| 1 | | 2 | 3 | | 4 | 5 | 6 | 7 | 8 | |
|--------|----------|--|----------|---------|---------------|------------------|------------------------|-----------|-------|-----|
| E/I/A | HOJA | FUNCIÓN / FUNCIONAMIENTO | | | | TIPO | CLAVIJA | | | |
| E8.0 | 131.1 | TRANSDUCTOR DE PRESIÓN BOMBA 3 | | | | A/D | -X635D:d2 | | | |
| E8.1 | | | | | | A/D | -X635D:d4 | | | |
| E8.2 | 127.6 | MS 2Y | | | | A/D | -X635D:d6 | | | |
| E8.3 | 130.8 | MS 1X | | | | A/D | -X635D:d8 | | | |
| E8.4 | 144.2 | TRANSDUCTOR DE PRESIÓN CILINDRO DE ARRIOSTRAMIENTO DERECHA | | | | A/D | -X635D:d10 | | | |
| E8.5 | 144.5 | TRANSDUCTOR DE PRESIÓN CILINDRO DE ARRIOSTRAMIENTO IZQUIERDA | | | | A/D | -X635D:d12 | | | |
| E8.6 | 158.3 | PLEGAR TY-ARRIOSTRAMIENTO | | | | A/D | -X635D:d14 | | | |
| E8.7 | 158.4 | DESPLEGAR TY-ARRIOSTRAMIENTO | | | | A/D | -X635D:d16 | | | |
| E8.8 | | | | | | A/D | -X635D:d18 | | | |
| E8.9 | | | | | | A/D | -X635D:d20 | | | |
| E8.10 | | | | | | A/D | -X635D:d22 | | | |
| E8.11 | | | | | | A/D | -X635D:d24 | | | |
| E8.12 | | | | | | A/D | -X635D:d26 | | | |
| E8.13 | | | | | | A/D | -X635D:d28 | | | |
| E8.14 | | | | | | A/D | -X635D:d30 | | | |
| E8.15 | | | | | | A/D | -X635D:d32 | | | |
| E9.0 | 91.8 | DEPÓSITO SUPERESTRUCTURA MONTADO(A) | | | | A/D | -X635D:b2 | | | |
| E9.1 | 154.5 | ALIMENTACIÓN DE PRESIÓN PLUMA | | | | A/D | -X635D:b4 | | | |
| E9.2 | 131.5 | CONMUTADOR DE AJUSTE CABRESTANTE 3 | | | | A/D | -X635D:b6 | | | |
| E9.3 | 127.4 | MS 2Y+ | | | | A/D | -X635D:b8 | | | |
| E9.4 | 127.2 | MS 2Y- | | | | A/D | -X635D:b10 | | | |
| E9.5 | 123.2 | MS 2Y CONTACTO NEUTRO | | | | A/D | -X635D:b12 | | | |
| E9.6 | 130.4 | MS 1X+ | | | | A/D | -X635D:b14 | | | |
| E9.7 | 130.3 | MS 1X- | | | | A/D | -X635D:b16 | | | |
| E9.8 | 122.3 | MS 1X CONTACTO NEUTRO | | | | A/D | -X635D:b18 | | | |
| E9.9 | 131.3 | PRESIÓN DE ALIMENTACIÓN CABRESTANTE 3 >10 BARES(A) | | | | A/D | -X635D:b20 | | | |
| E9.10 | | | | | | A/D | -X635D:b22 | | | |
| E9.11 | | | | | | A/D | -X635D:b24 | | | |
| E9.12 | 131.6 | CABRESTANTE 3 NO BOBINADO(A) | | | | A/D | -X635D:b26 | | | |
| E9.13 | 131.7 | CABRESTANTE 3 NO DESBOBINADO(A) | | | | A/D | -X635D:b28 | | | |
| E9.14 | | | | | | A/D | -X635D:b30 | | | |
| E9.15 | 132.1 | MS 2Y ARRIBA CABRESTANTE 3 | | | | A/D | -X635D:b32 | | | |
| INK8.A | 131.4 | CABRESTANTE 3 | | | | I | -X635D:z2 | | | |
| INK8.B | 131.5 | CABRESTANTE 3 | | | | I | -X635D:z4 | | | |
| INK9.A | | | | | | I | -X635D:z6 | | | |
| INK9.B | | | | | | I | -X635D:z8 | | | |
| A8.0 | 132.2 | BOMBA 3 LEVANTAR | | | | A/D | -X74:16 | | | |
| A8.1 | 132.3 | BOMBA 3 BAJAR | | | | A/D | -X74:17 | | | |
| A8.2 | 132.5 | CABRESTANTE 3 TRIMOT | | | | A/D | -X74:18 | | | |
| A8.3 | 132.6 | CABRESTANTE 1 FRENO | | | | A/D | -X74:19 | | | |
| A8.4 | 147.3 | TA-VOLUMEN / CAUDAL DE ACEITE BOMBA 10 (Q3=20 l/min) | | | | A/D | -X74:20 | | | |
| A8.5 | 147.2 | TA-VOLUMEN / CAUDAL DE ACEITE BOMBA 10 (Q2=4,5 l/min) | | | | A/D | -X74:21 | | | |
| A8.6 | 148.5 | TA-TRINQUETE ABRIR | | | | A/D | -X74:22 | | | |
| A8.7 | 143.2 | BOMBA 10 ARRIBA ARRIOSTRAMIENTO TELE. (TA) | | | | A/D | -X74:23 | | | |
| | | | | | | UNIDAD CENTRAL 4 | | | | |
| 3 | | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | Ausgabe | 10.05.10 | 1werof0 | EHINGEN | | + | | | S1 |
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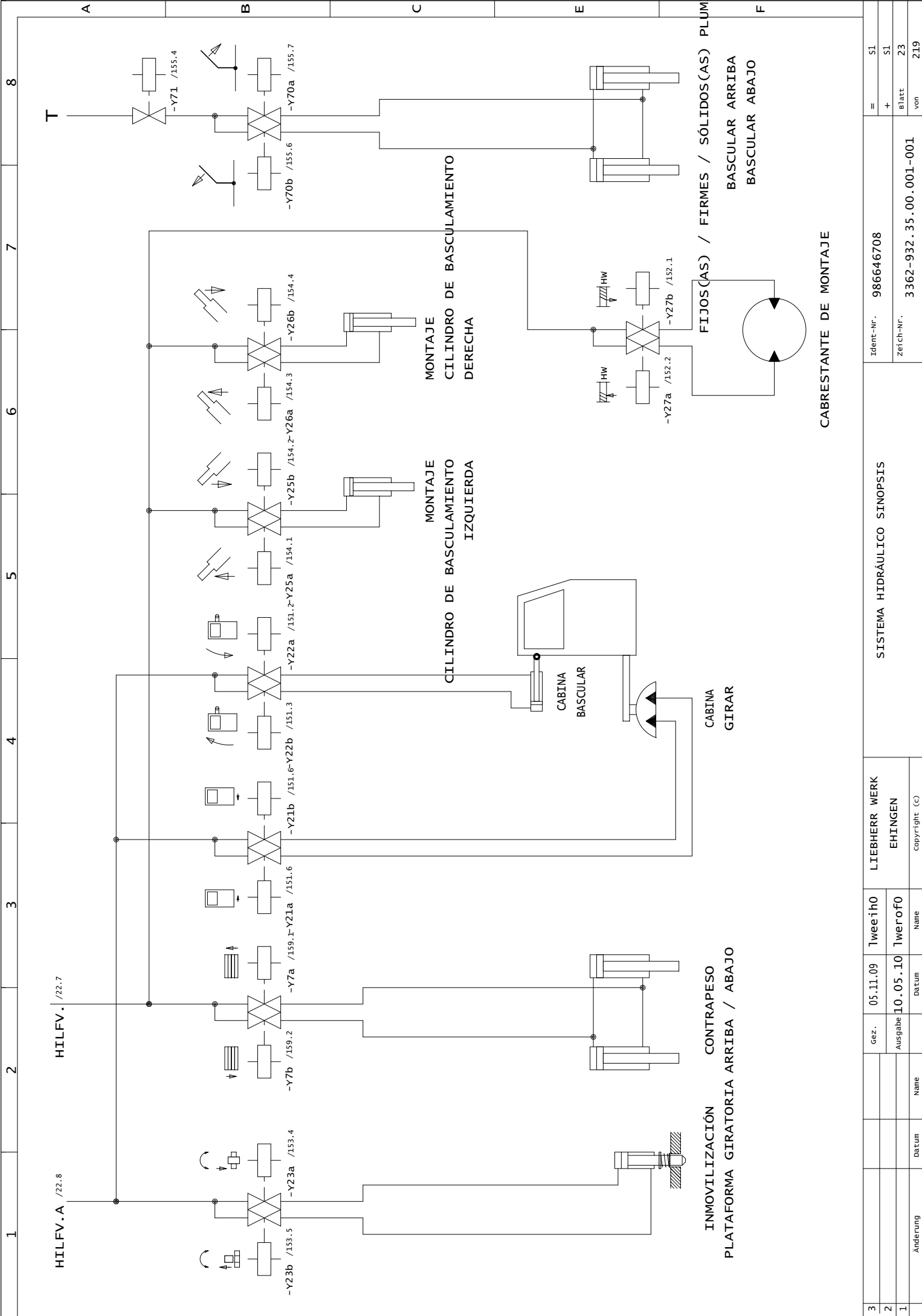
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| E10.0 | | | | | | A/D | -X635E:d2 | | | | | | | | |
| E10.1 | | | | | | A/D | -X635E:d4 | | | | | | | | |
| E10.2 | | | | | | A/D | -X635E:d6 | | | | | | | | |
| E10.3 | | | | | | A/D | -X635E:d8 | | | | | | | | |
| E10.4 | | | | | | A/D | -X635E:d10 | | | | | | | | |
| E10.5 | | | | | | A/D | -X635E:d12 | | | | | | | | |
| E10.6 | | | | | | A/D | -X635E:d14 | | | | | | | | |
| E10.7 | | | | | | A/D | -X635E:d16 | | | | | | | | |
| E10.8 | | | | | | A/D | -X635E:d18 | | | | | | | | |
| E10.9 | | | | | | A/D | -X635E:d20 | | | | | | | | |
| E10.10 | | | | | | A/D | -X635E:d22 | | | | | | | | |
| E10.11 | | | | | | A/D | -X635E:d24 | | | | | | | | |
| E10.12 | | | | | | A/D | -X635E:d26 | | | | | | | | |
| E10.13 | | | | | | A/D | -X635E:d28 | | | | | | | | |
| E10.14 | | | | | | A/D | -X635E:d30 | | | | | | | | |
| E10.15 | | | | | | A/D | -X635E:d32 | | | | | | | | |
| E11.0 | | | | | | A/D | -X635E:b2 | | | | | | | | |
| E11.1 | | | | | | A/D | -X635E:b4 | | | | | | | | |
| E11.2 | | | | | | A/D | -X635E:b6 | | | | | | | | |
| E11.3 | | | | | | A/D | -X635E:b8 | | | | | | | | |
| E11.4 | | | | | | A/D | -X635E:b10 | | | | | | | | |
| E11.5 | | | | | | A/D | -X635E:b12 | | | | | | | | |
| E11.6 | | | | | | A/D | -X635E:b14 | | | | | | | | |
| E11.7 | | | | | | A/D | -X635E:b16 | | | | | | | | |
| E11.8 | | | | | | A/D | -X635E:b18 | | | | | | | | |
| E11.9 | | | | | | A/D | -X635E:b20 | | | | | | | | |
| E11.10 | | | | | | A/D | -X635E:b22 | | | | | | | | |
| E11.11 | | | | | | A/D | -X635E:b24 | | | | | | | | |
| E11.12 | | | | | | A/D | -X635E:b26 | | | | | | | | |
| E11.13 | | | | | | A/D | -X635E:b28 | | | | | | | | |
| E11.14 | | | | | | A/D | -X635E:b30 | | | | | | | | |
| E11.15 | | | | | | A/D | -X635E:b32 | | | | | | | | |
| INK10.A | | | | | | I | -X635E:z2 | | | | | | | | |
| INK10.B | | | | | | I | -X635E:z4 | | | | | | | | |
| INK11.A | | | | | | I | -X635E:z6 | | | | | | | | |
| INK11.B | | | | | | I | -X635E:z8 | | | | | | | | |
| A10.0 | 146.1 | TA-CABALLETE BASCULAR ARRIBA | | | | A/D | -X75:16 | | | | | | | | |
| A10.1 | 146.3 | TA-CABALLETE BASCULAR ABAJO | | | | A/D | -X75:17 | | | | | | | | |
| A10.2 | 146.3 | TA-CABRESTANTE DE ARRIOSTRAMIENTO A BOBINAR | | | | A/D | -X75:18 | | | | | | | | |
| A10.3 | 146.5 | TA-CABRESTANTE DE ARRIOSTRAMIENTO A DESBOBINAR | | | | A/D | -X75:19 | | | | | | | | |
| A10.4 | 146.6 | TA-CABRESTANTE DE ARRIOSTRAMIENTO B BOBINAR | | | | A/D | -X75:20 | | | | | | | | |
| A10.5 | 146.7 | TA-CABRESTANTE DE ARRIOSTRAMIENTO B DESBOBINAR | | | | A/D | -X75:21 | | | | | | | | |
| A10.6 | 148.2 | TA-CILINDRO DE ARRIOSTRAMIENTO RETRAER / INTRODUCIR | | | | A/D | -X75:22 | | | | | | | | |
| A10.7 | 148.3 | TA-CILINDRO DE ARRIOSTRAMIENTO EXTENDER | | | | A/D | -X75:23 | | | | | | | | |
| | | Gez. | 05.11.09 | Liebherr WERK EHINGEN | | UNIDAD CENTRAL 5 | | | | Ident-Nr. | | 986646708 | | = | S1 |
| | | Ausgabe | | 10.05.10 | | | | | | Zeich-Nr. | | 3362-932.35.00.001-001 | | + | S1 |
| Änderung | | Datum | | Name | | | | | | | | Blatt | | 13 | |
| | | | | | | | | | | | | von | | 219 | |

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|---|----------|-------|---------|----------|---------------|---------------------------------------|-----------|------------------------|-------|-----|
| 3 | | | gez. | 05.11.09 | LIEBHERR WERK | DIAGRAMA DE DESCONEXIÓN CABRESTANTE I | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | | | EHINGEN | | | | + | S1 |
| 1 | | | Ausgabe | 10.05.10 | | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt | 14 |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | von | 219 |

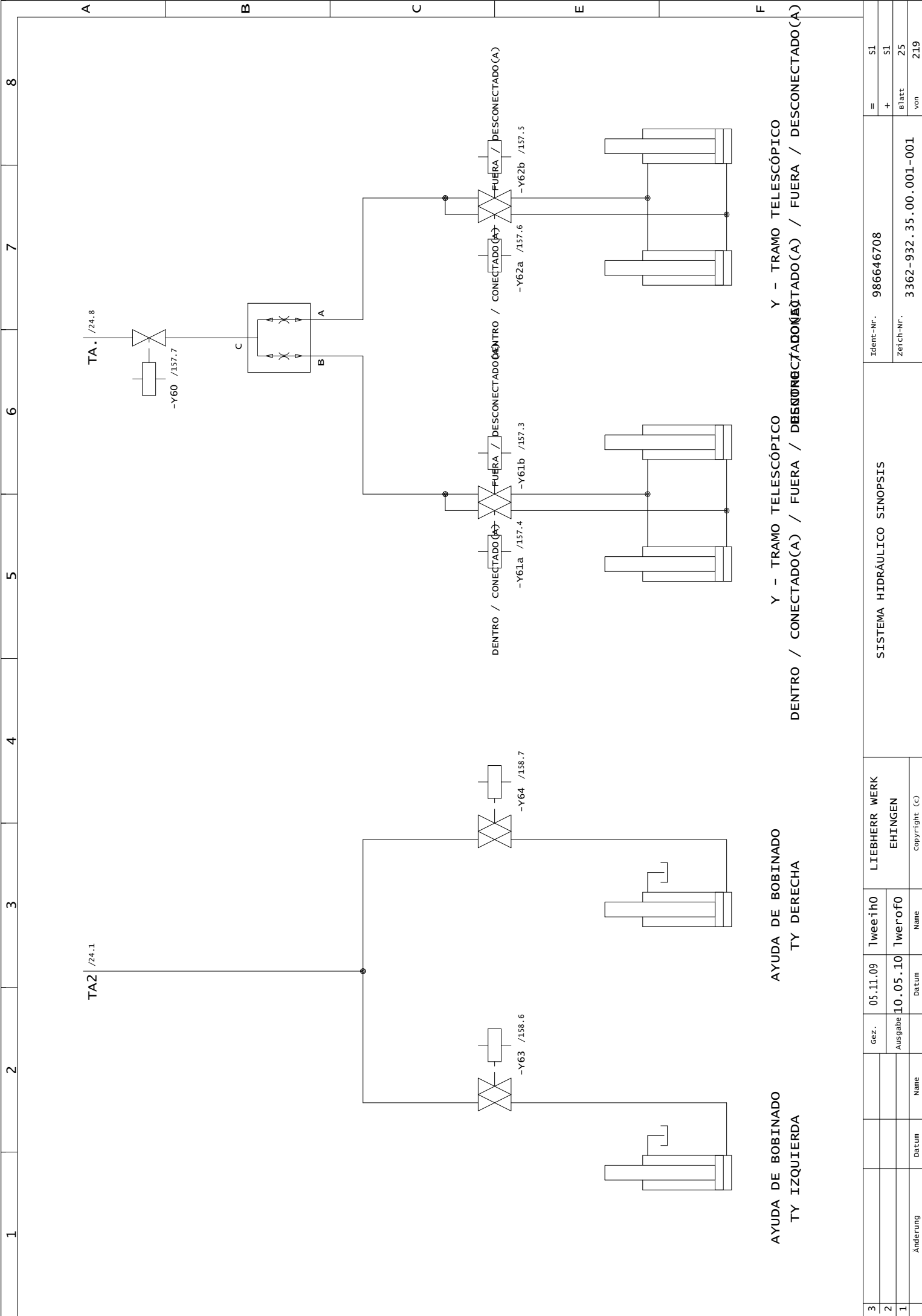


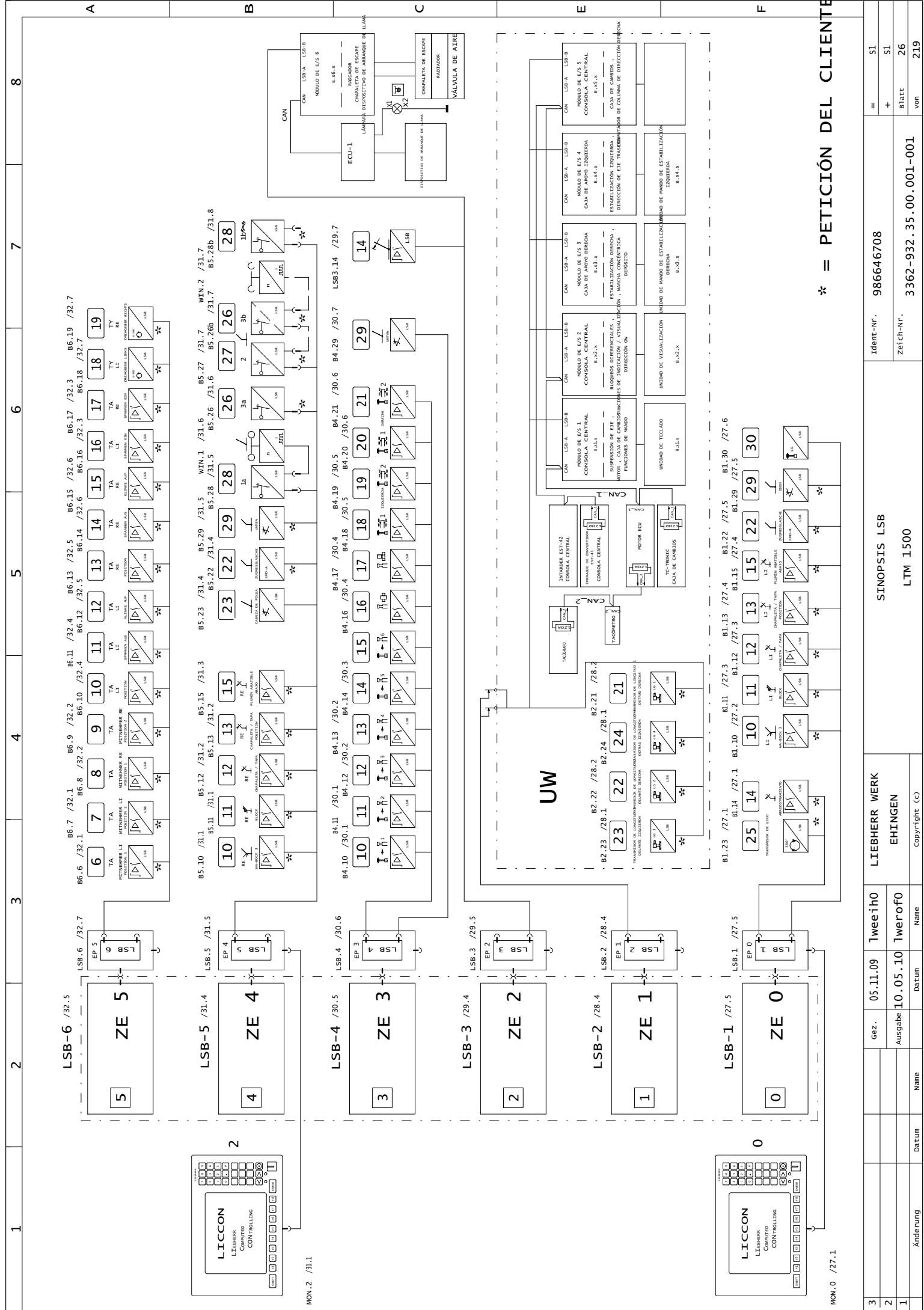
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| 3 | Gez. | 05.11.09 | Liebherr | LIEBHERR WERK EHINGEN | | | |
| 2 | Ausgabe | 10.05.10 | Liebherr | Copyright (c) | | | |
| 1 | Änderung | Datum | Name | Datum | Name | | |

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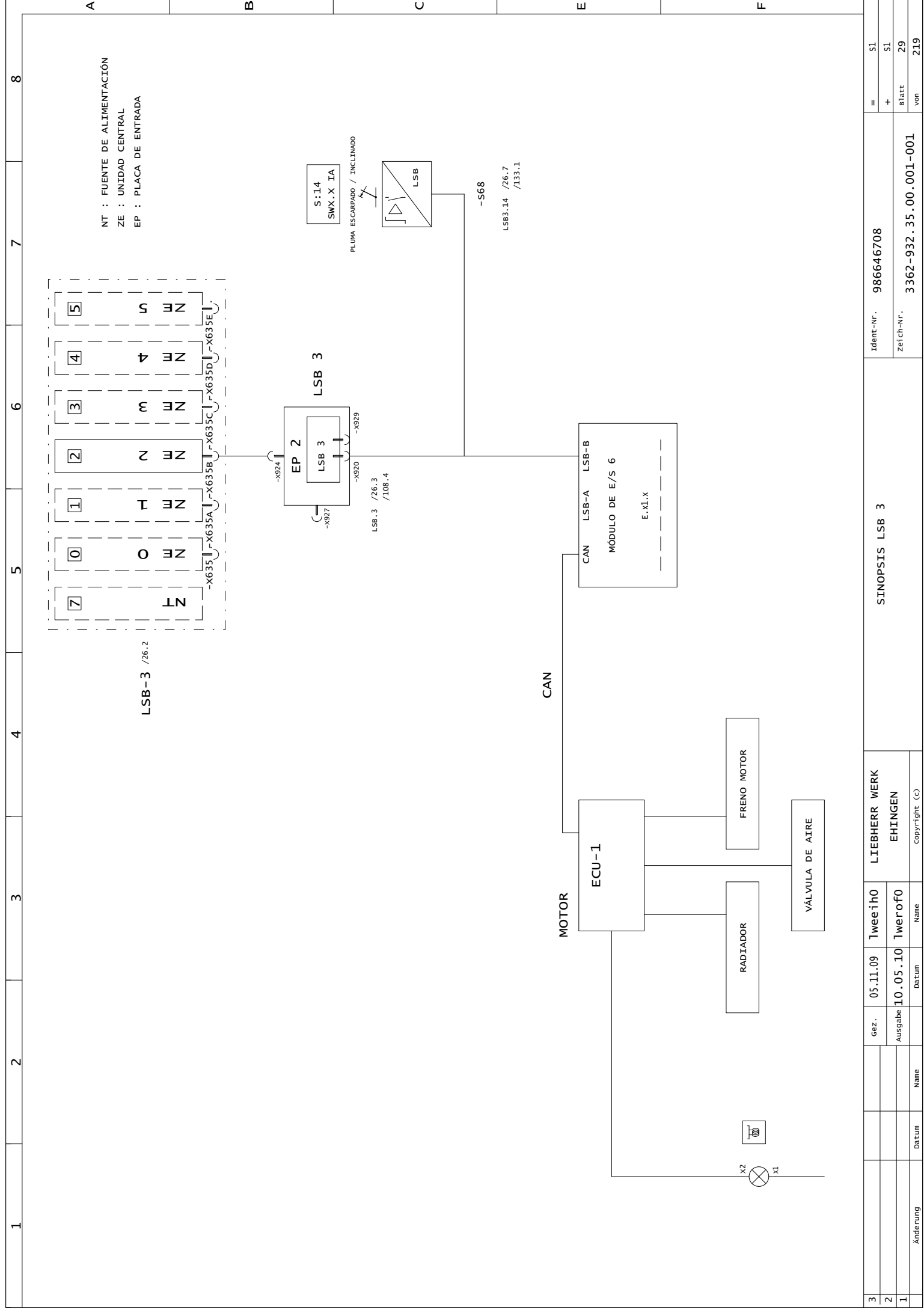
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| 3 | Gez. | 05.11.09 | LIEBHERR WERK EHINGEN | SISTEMA HIDRÁULICO SINOPSIS | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | 10erofo | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | | | Blatt | 23 | von | 219 |



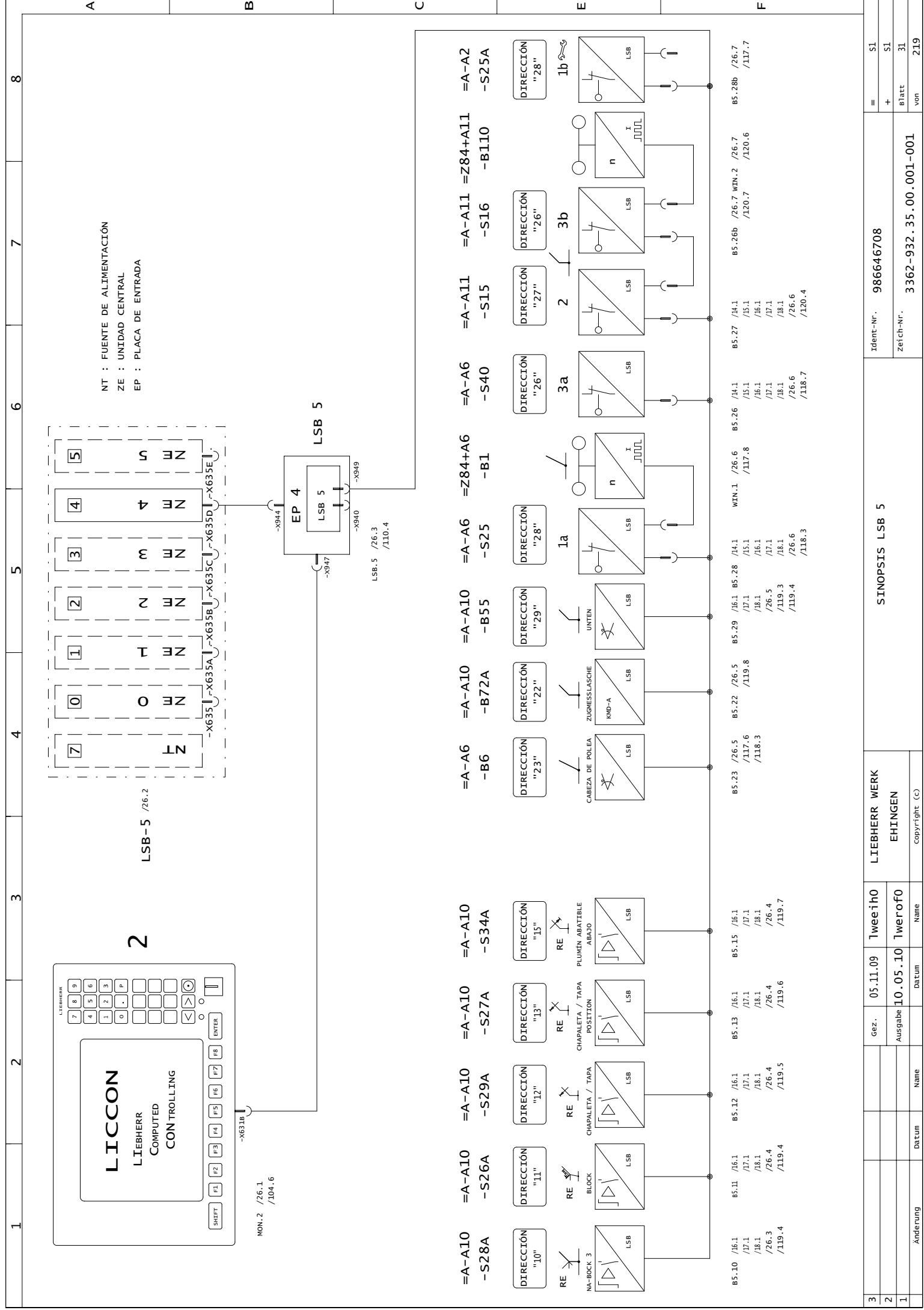


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| 1 | | | | Ausgabe | 10.05.10 | EHINGEN | | | |
| | | | | | | | LTM 1500 | Zeich-Nr. 3362-932.35.00.001-001 | blatt 26 |
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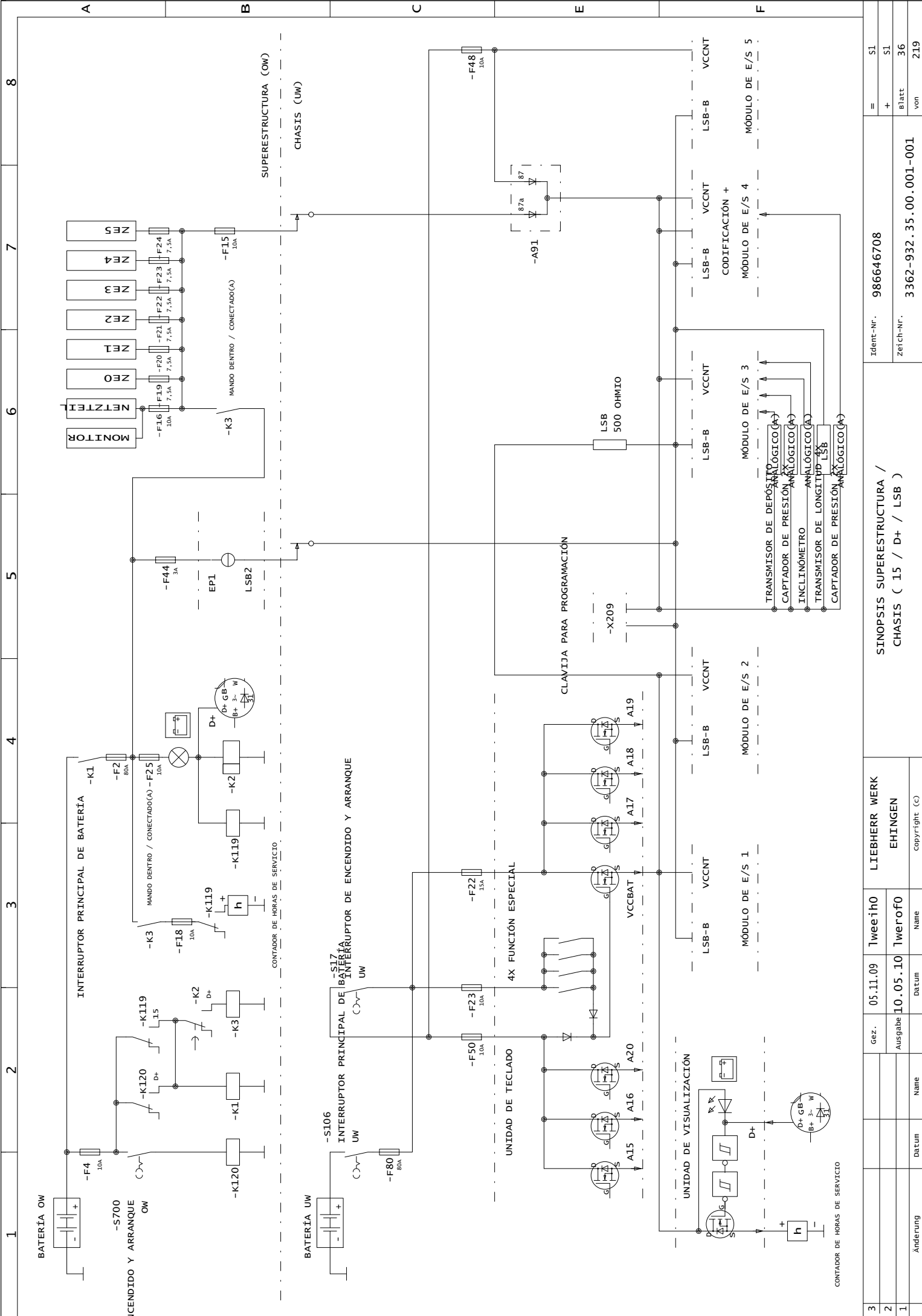


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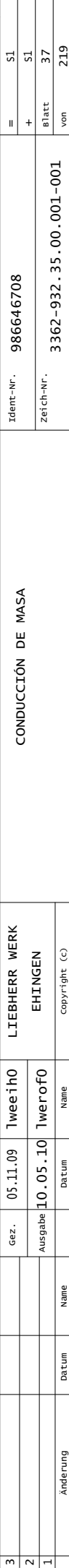


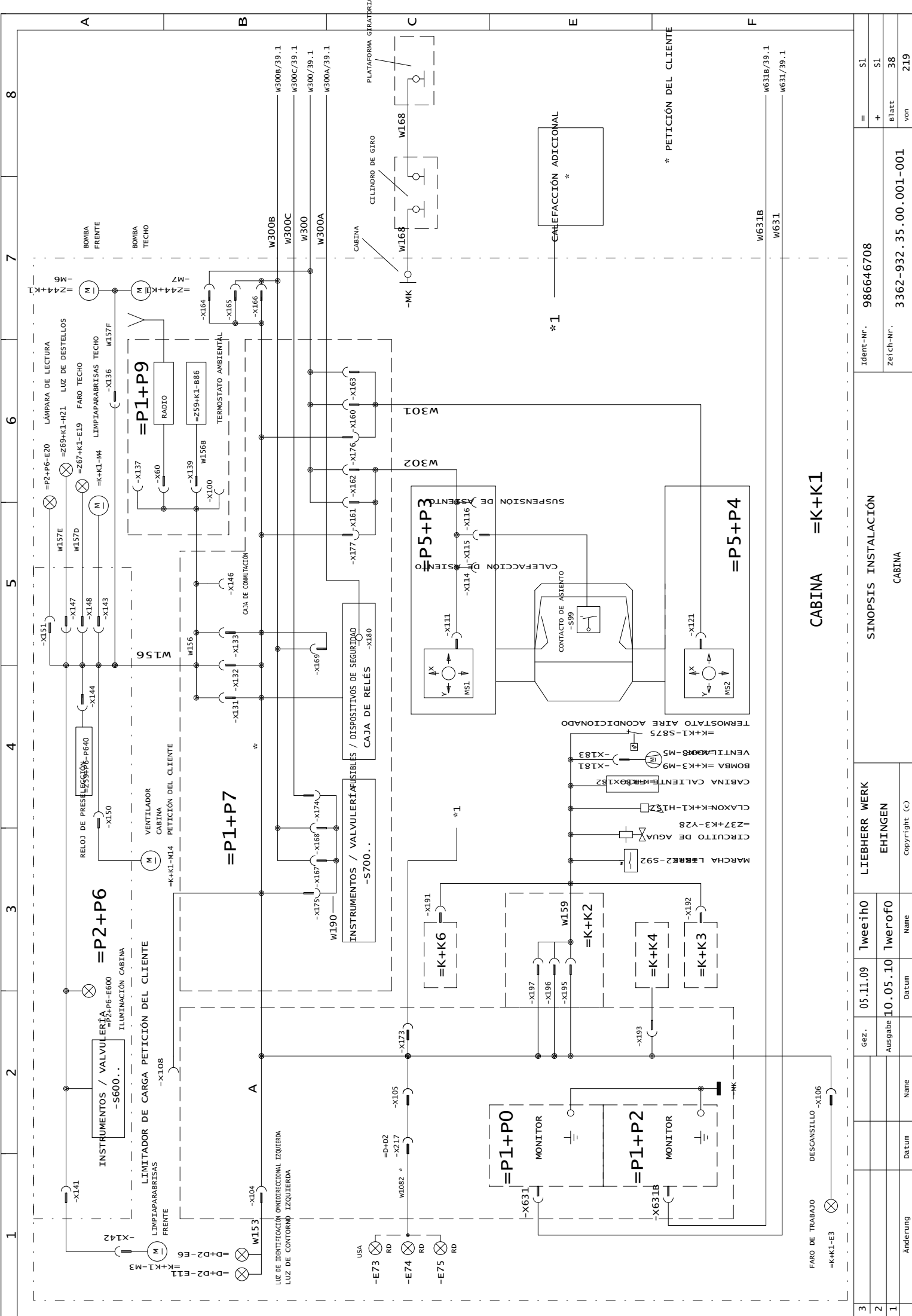
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| 1 | | | | Ausgabe | 10.05.10 | 1werof0 | | | |
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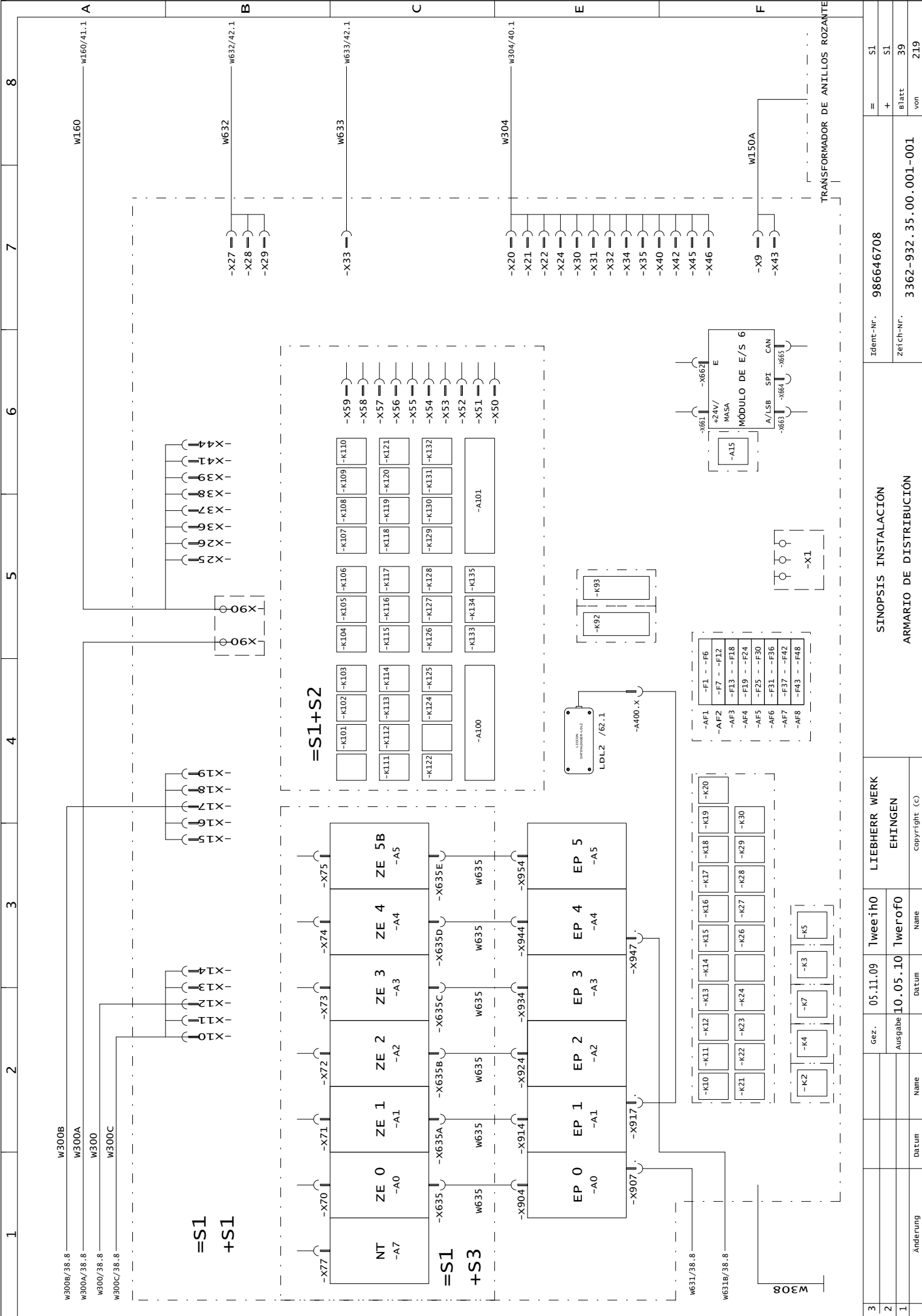


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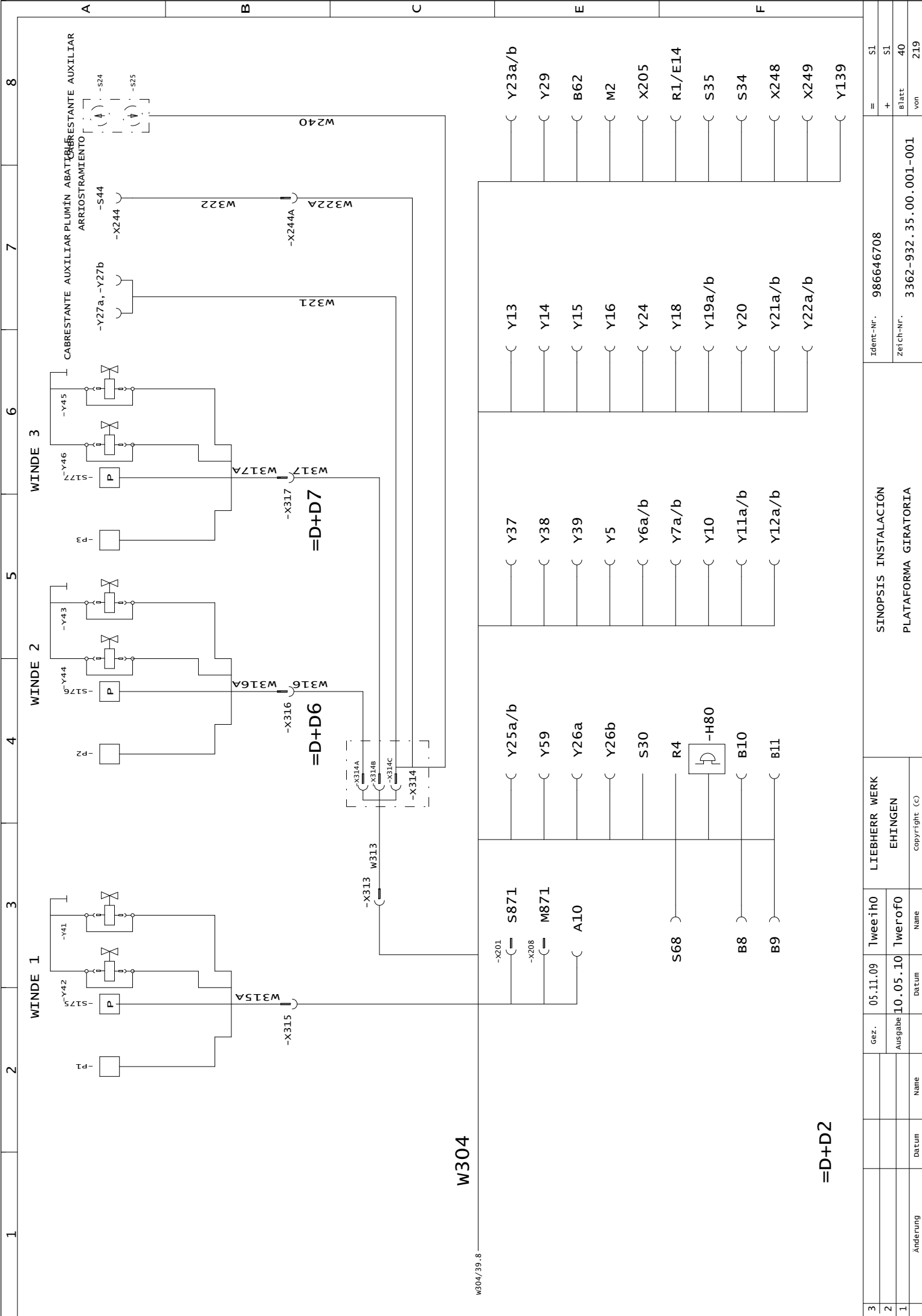




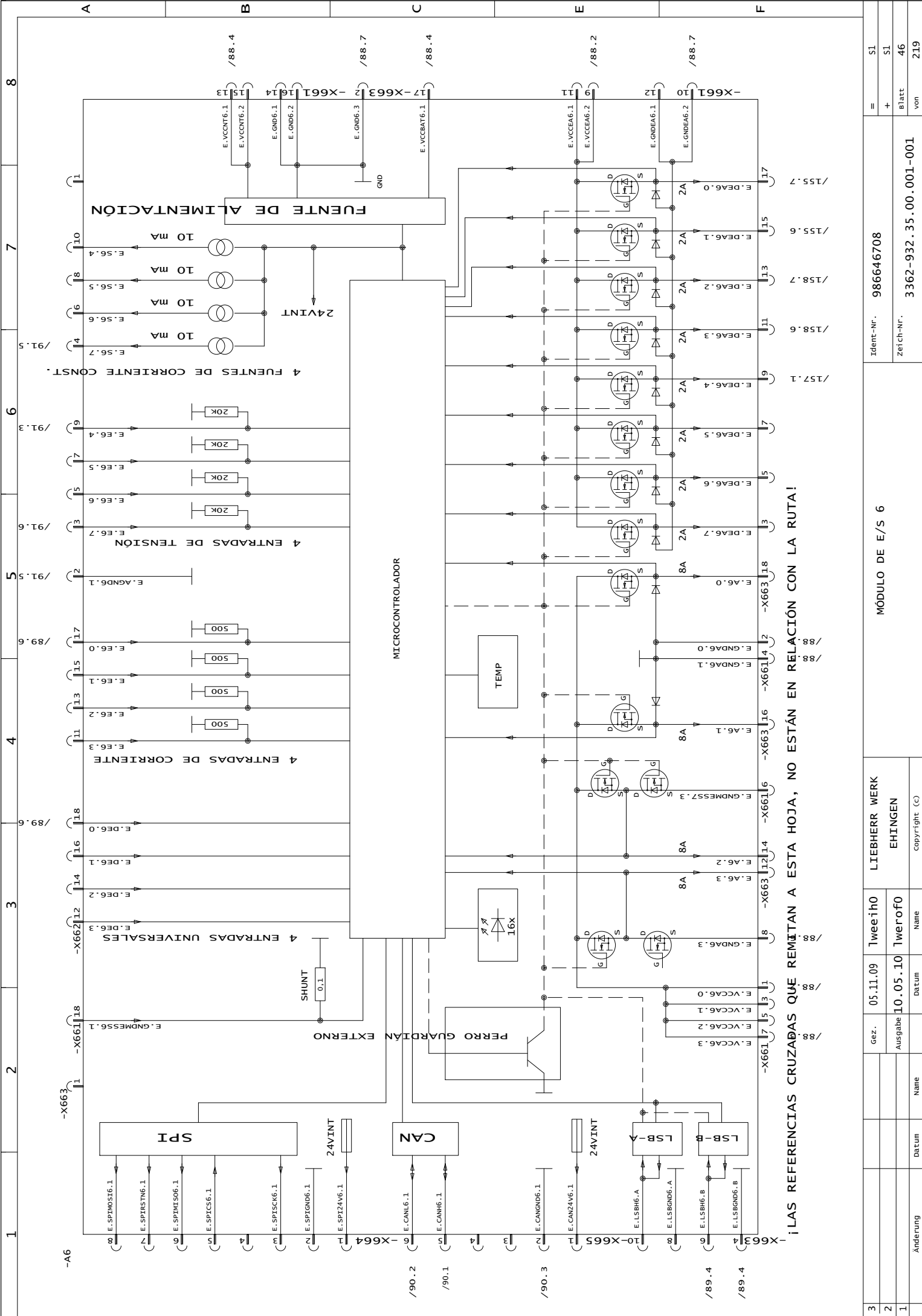
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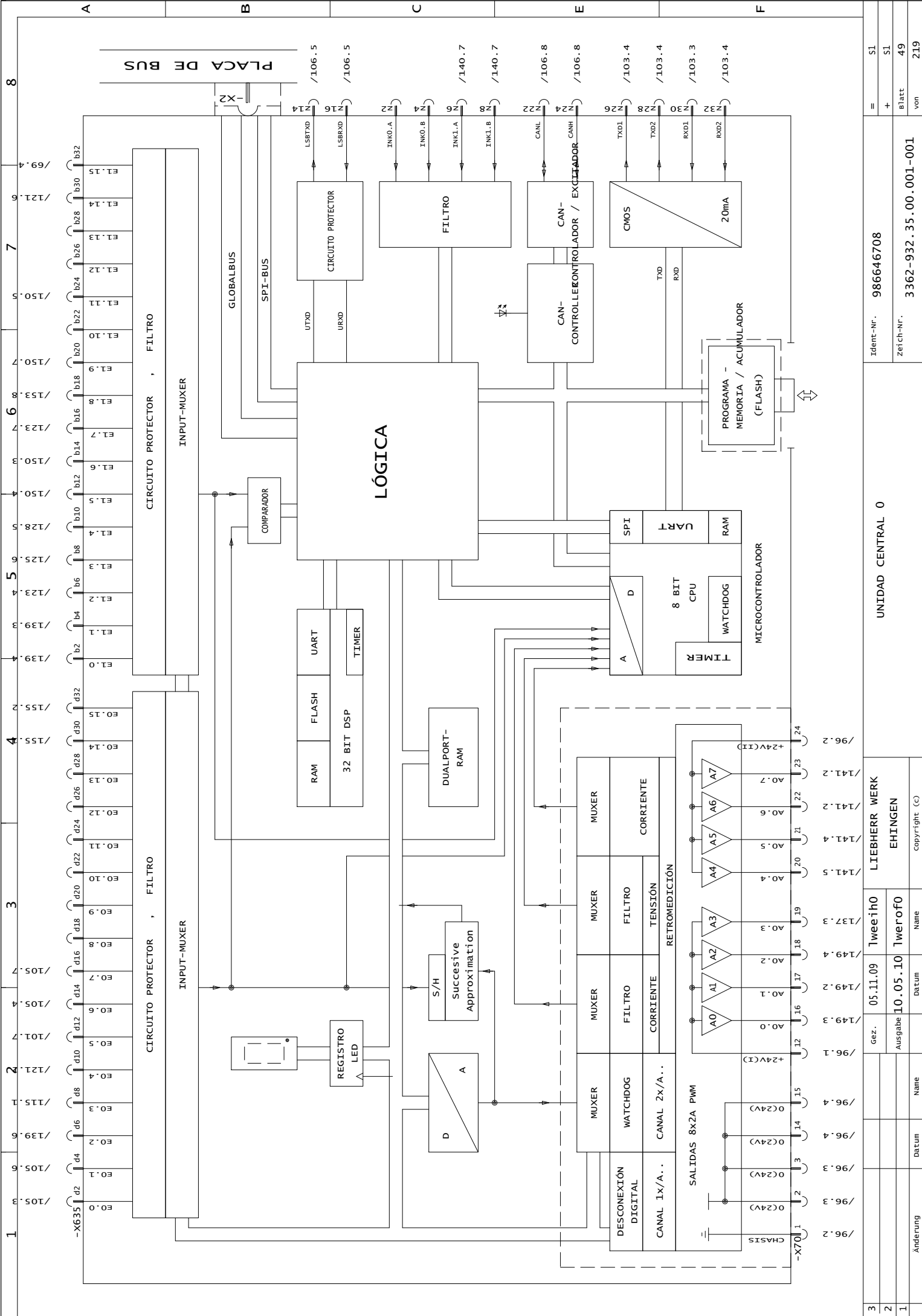
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| 2 | | | | | EHINGEN | | ARMARIO DE DISTRIBUCIÓN | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
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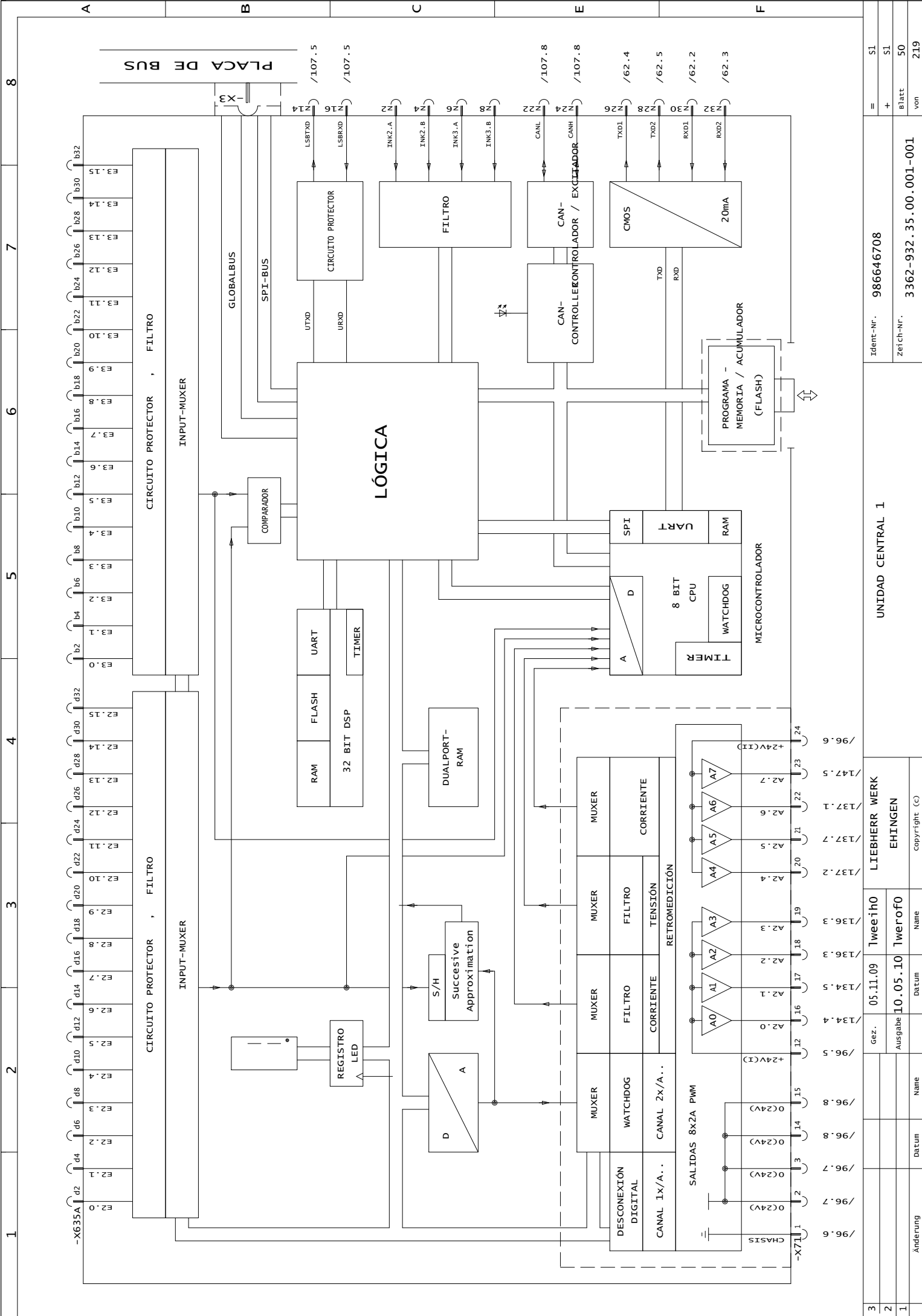
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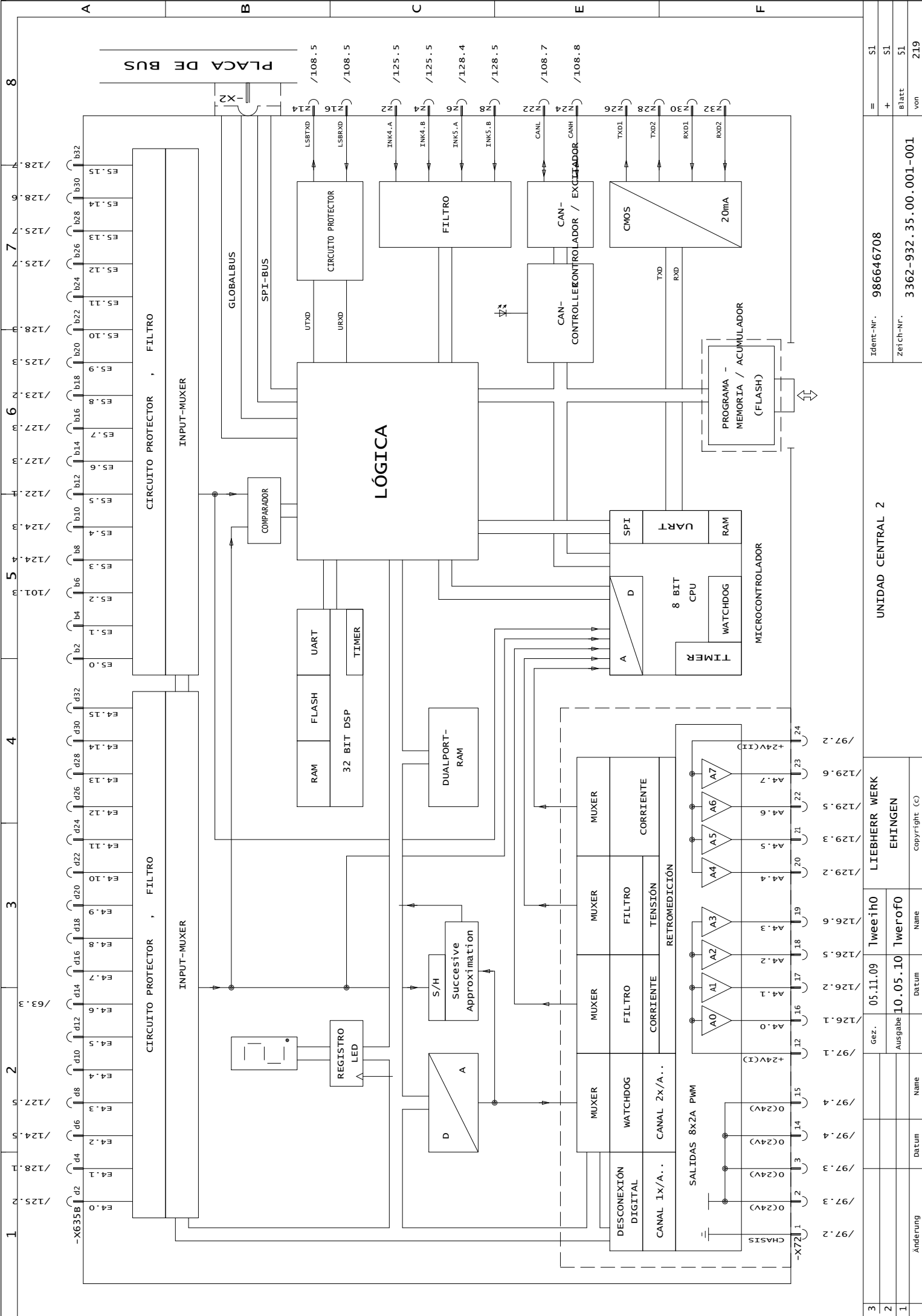
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| 3 | | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK | | MÓDULO DE E/S 6 | | Ident-Nr. | 986646708 | S1 | |
| 2 | | | | | EHINGEN | | | | + S1 | | | |
| 1 | | | | | Ausgabe 10.05.10 | | | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt 46 | |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | von | | 219 | |



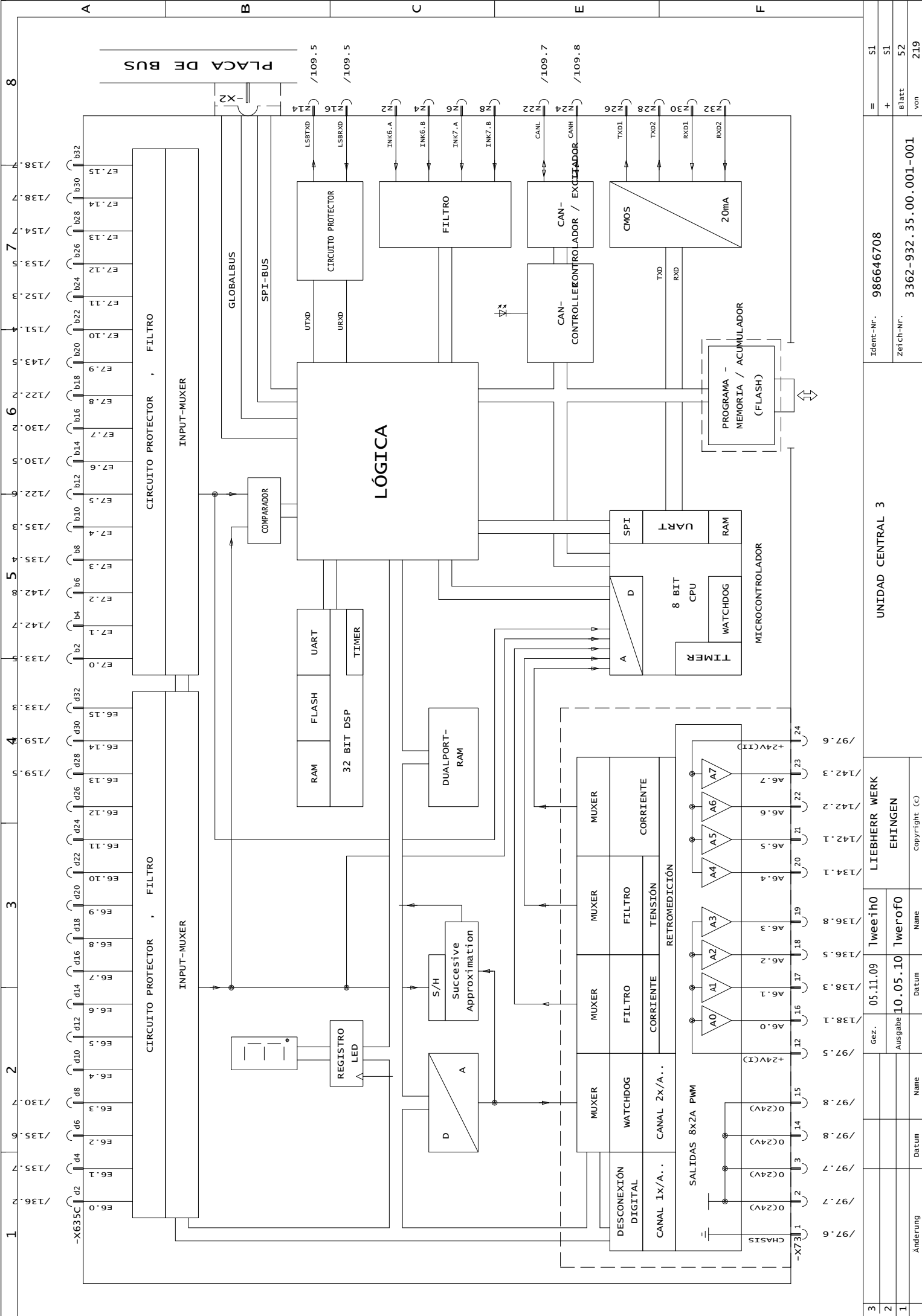
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| 3 | Gez. | 05.11.09 | LIEBHERR WERK | UNIDAD CENTRAL 0 | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | EHINGEN | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | | | | | | | | | 49 |
| | Änderung | Datum | Name | | | | | von | 219 |



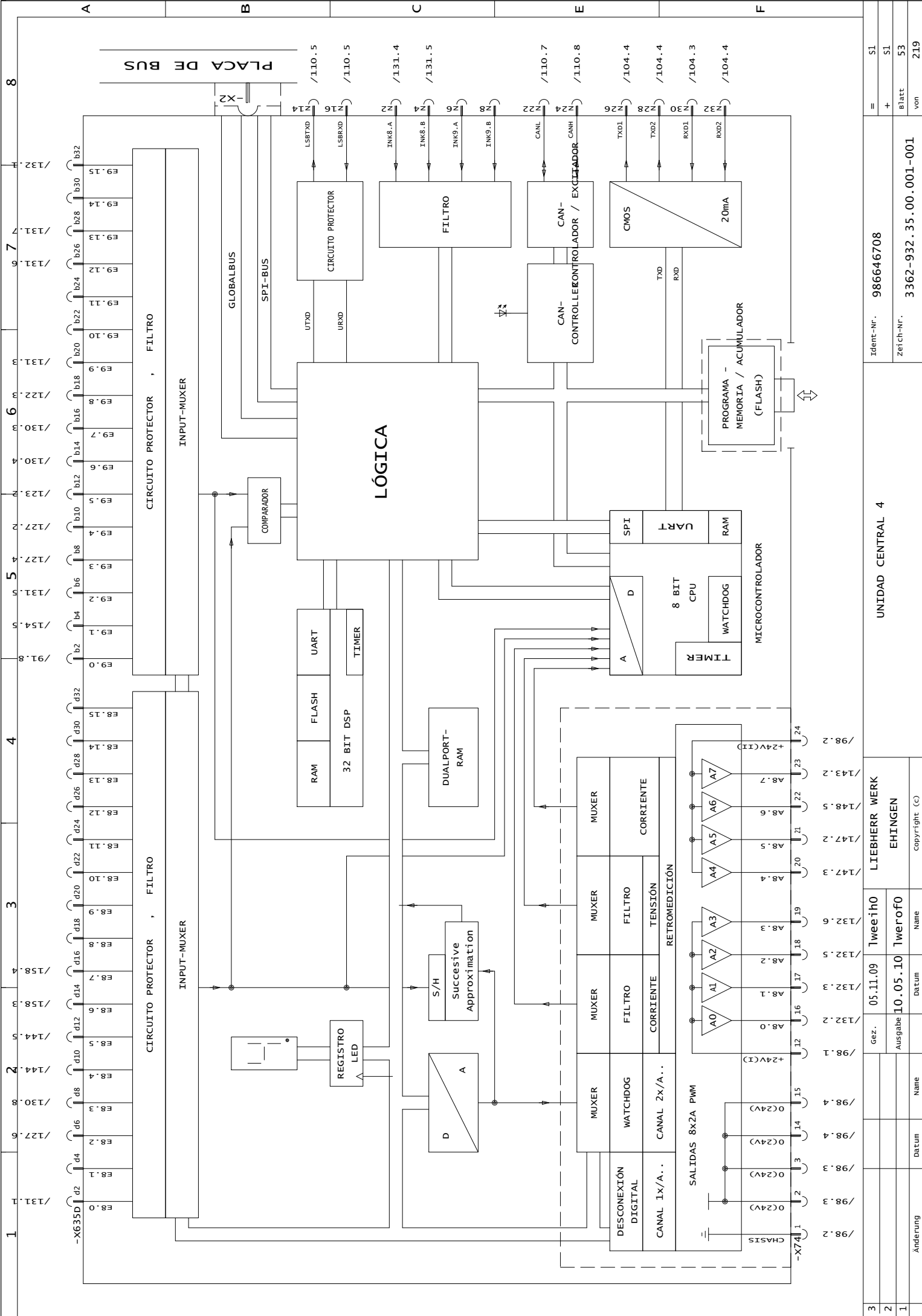
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| 3 | UNIDAD CENTRAL 1 | | | Ident-Nr. | 986646708 | = | S1 |
| 2 | LIEBHERR WERK EHINGEN | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Copyright (c) | | | Blatt | 50 | von | 219 |
| Änderung | | Datum | Name | Gez. | 05.11.09 | lweetho | |
| | | Datum | Name | Ausgabe | 10.05.10 | lweerofo | |



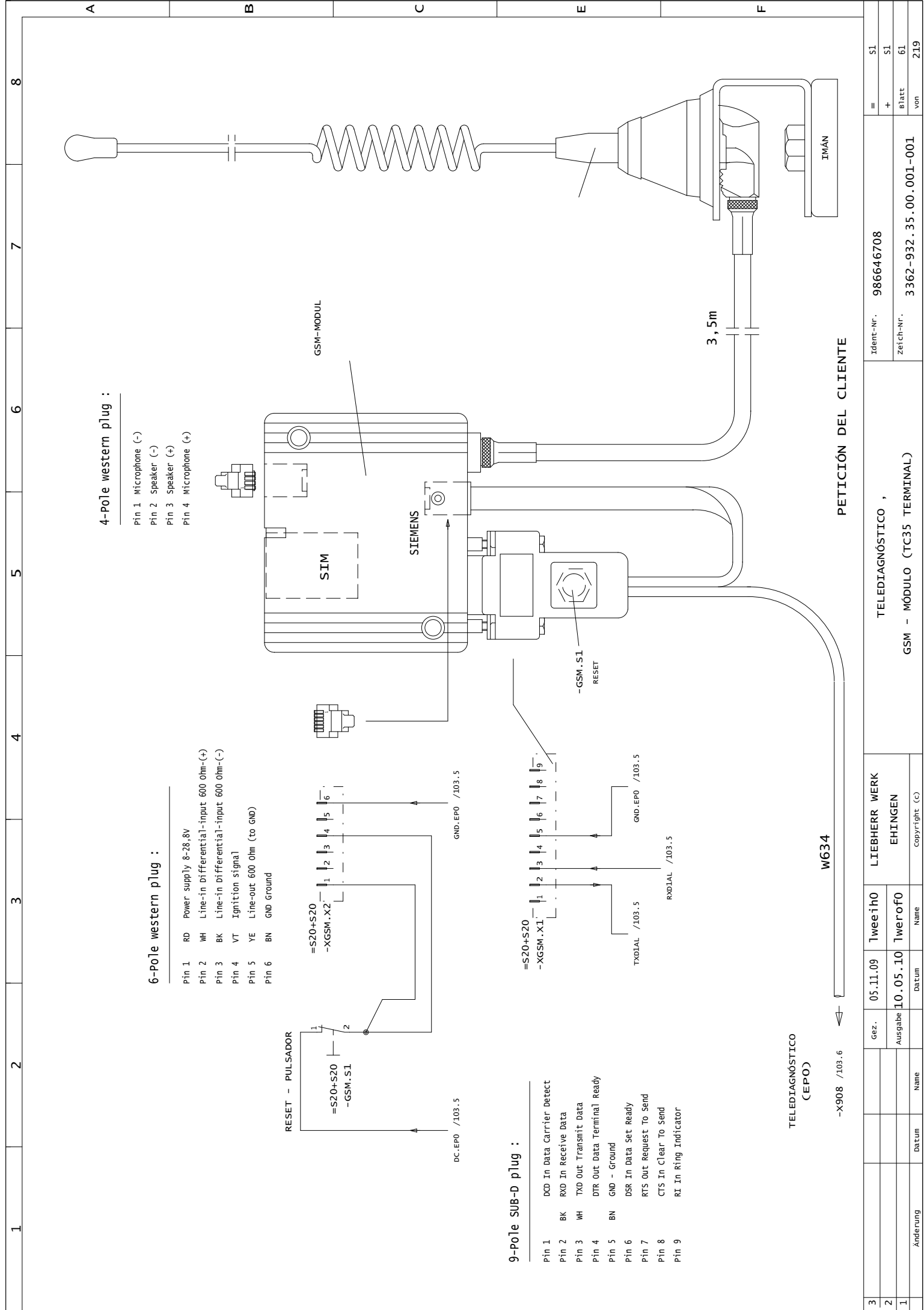
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| 3 | | | Gez. | 05.11.09 | LIEBHERR WERK | UNIDAD CENTRAL 2 | Ident-Nr. | 986646708 | = | S1 | |
| 2 | | | | | EHINGEN | | | | + | S1 | |
| 1 | | | Ausgabe | 10.05.10 | | | Zeich-Nr. | 3362-932.35.00.001-001 | | Blatt | S1 |
| | Änderung | Datum | Name | | | | | | | von | 219 |

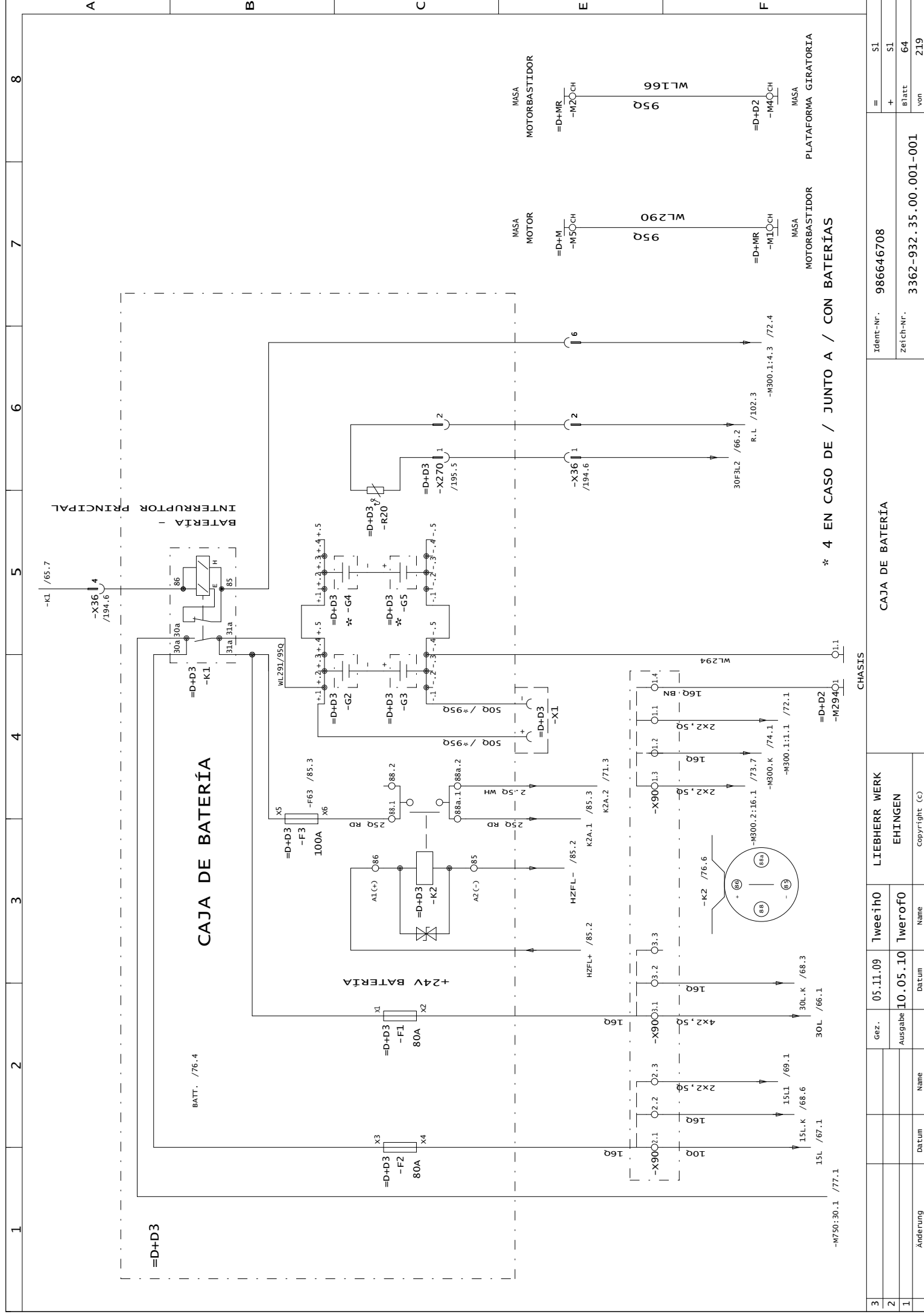


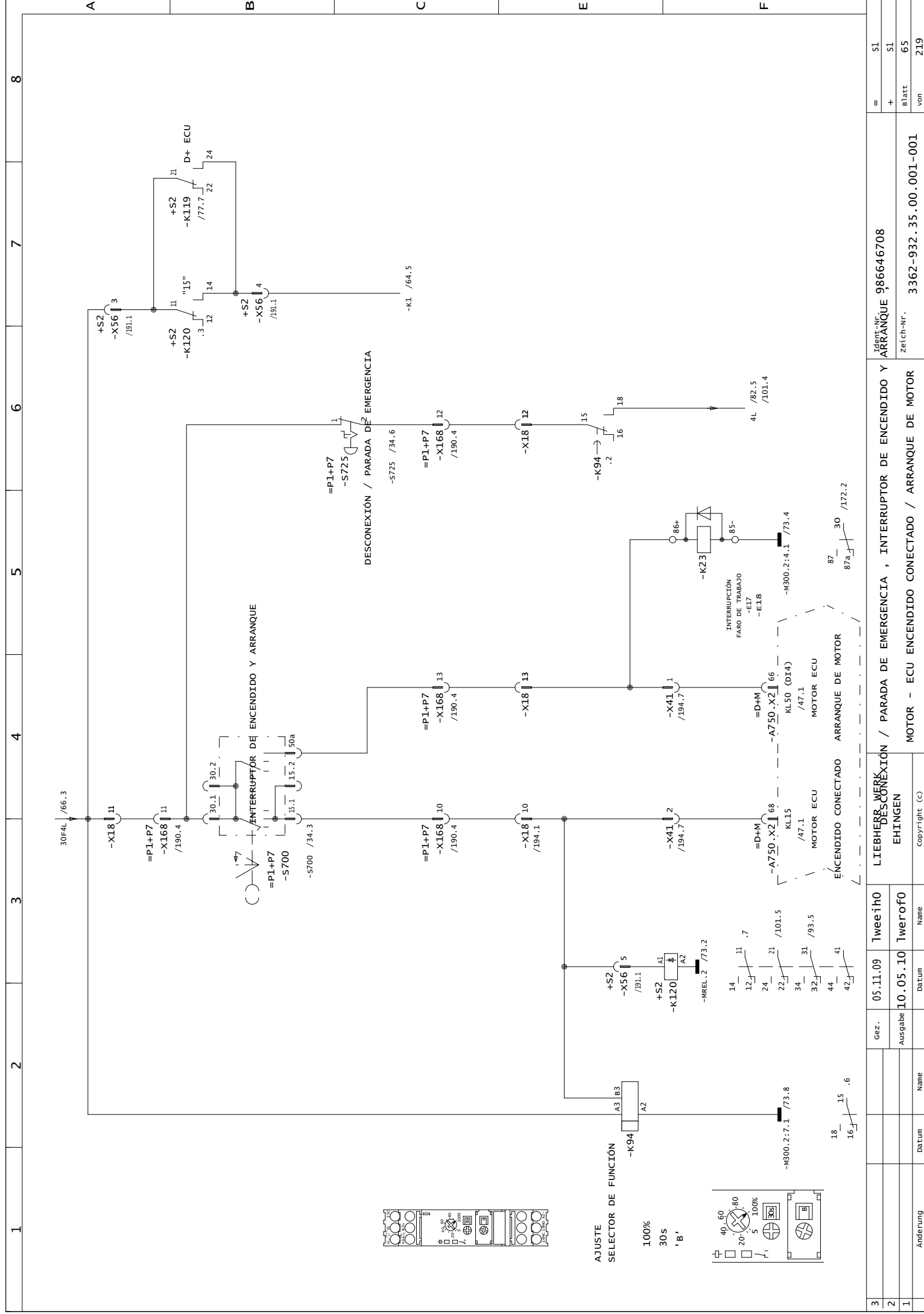
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| 3 | Gez. | 05.11.09 | LIEBHERR WERK | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | EHINGEN | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | von | | | 219 |
| | | | Copyright (c) | | | | |



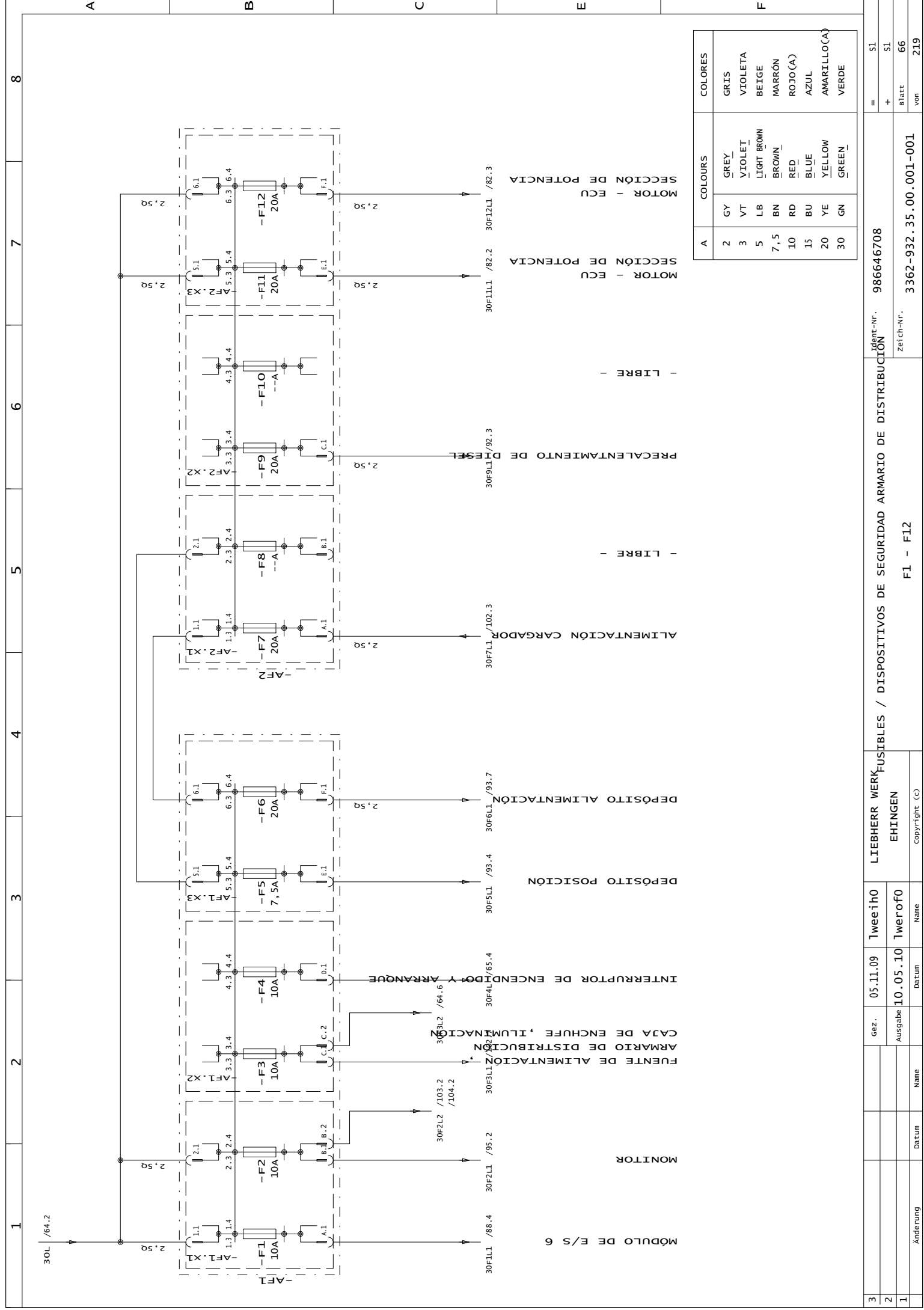
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|---|----------|----------|---------|---------------|--|------------------|--|-----------|------------------------|---|-----|
| 3 | Gez. | 05.11.09 | 1weetho | LIEBHERR WERK | | UNIDAD CENTRAL 4 | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | 1werofo | EHINGEN | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Copyright (c) | | | | von | 53 | | 219 |

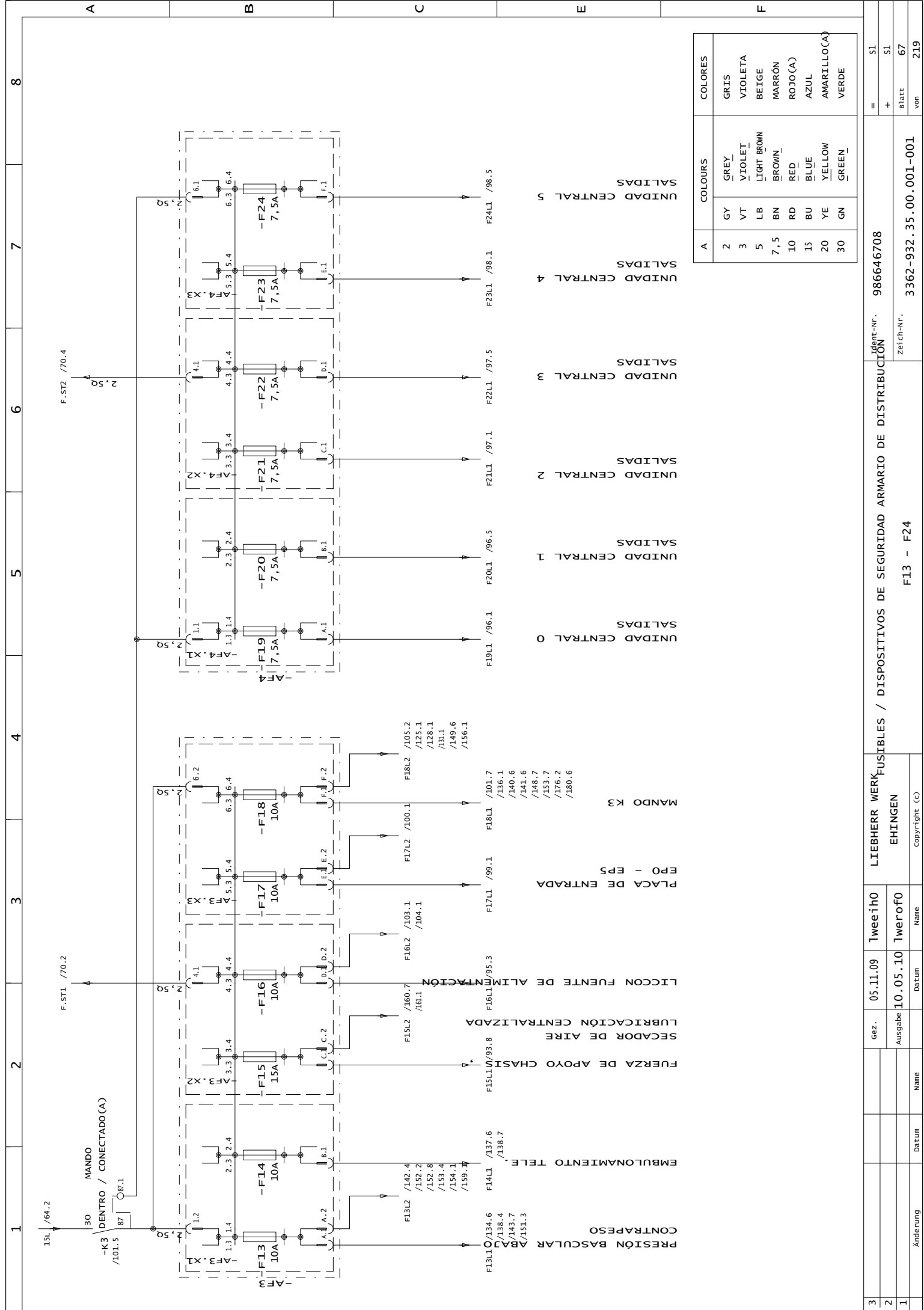






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|---|----------|-------|------|---------|----------|---------|--|---|---------------------|
| 3 | | | | Gez. | 05.11.09 | 1weeiho | LIEBHERR WERK DES CONEXIÓN / PARADA DE EMERGENCIA , INTERRUPTOR DE ENCENDIDO Y EIHEN | Ident.-Nr. ARRANQUE, 986646708 | = S1 |
| 2 | | | | Ausgabe | 10.05.10 | 1werof0 | | | |
| 1 | Änderung | Datum | Name | | | | | MOTOR - ECU ENCENDIDO CONECTADO / ARRANQUE DE MOTOR | Blatt 65 von 219 |

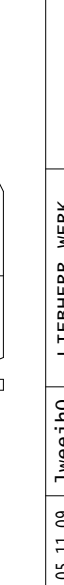
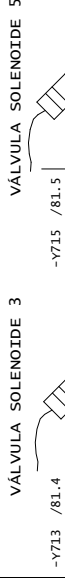
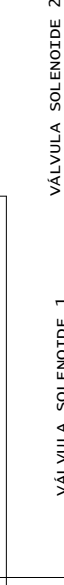
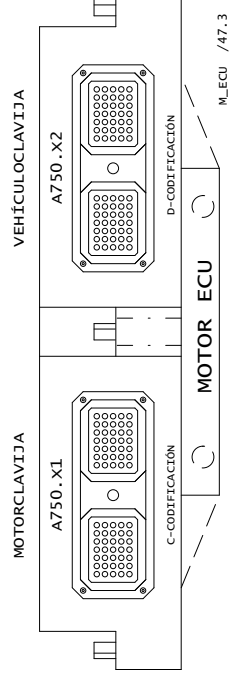
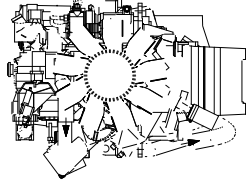


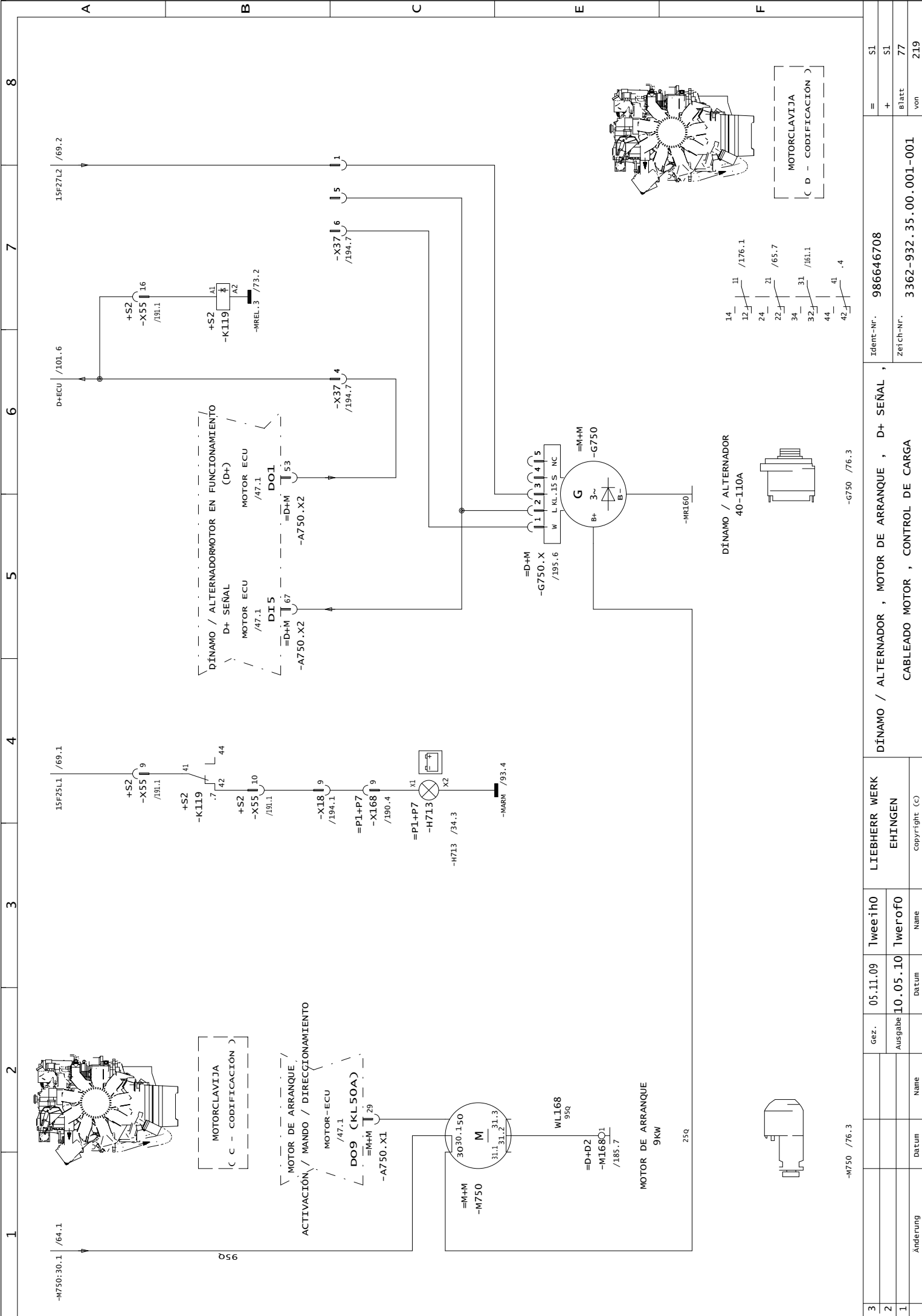


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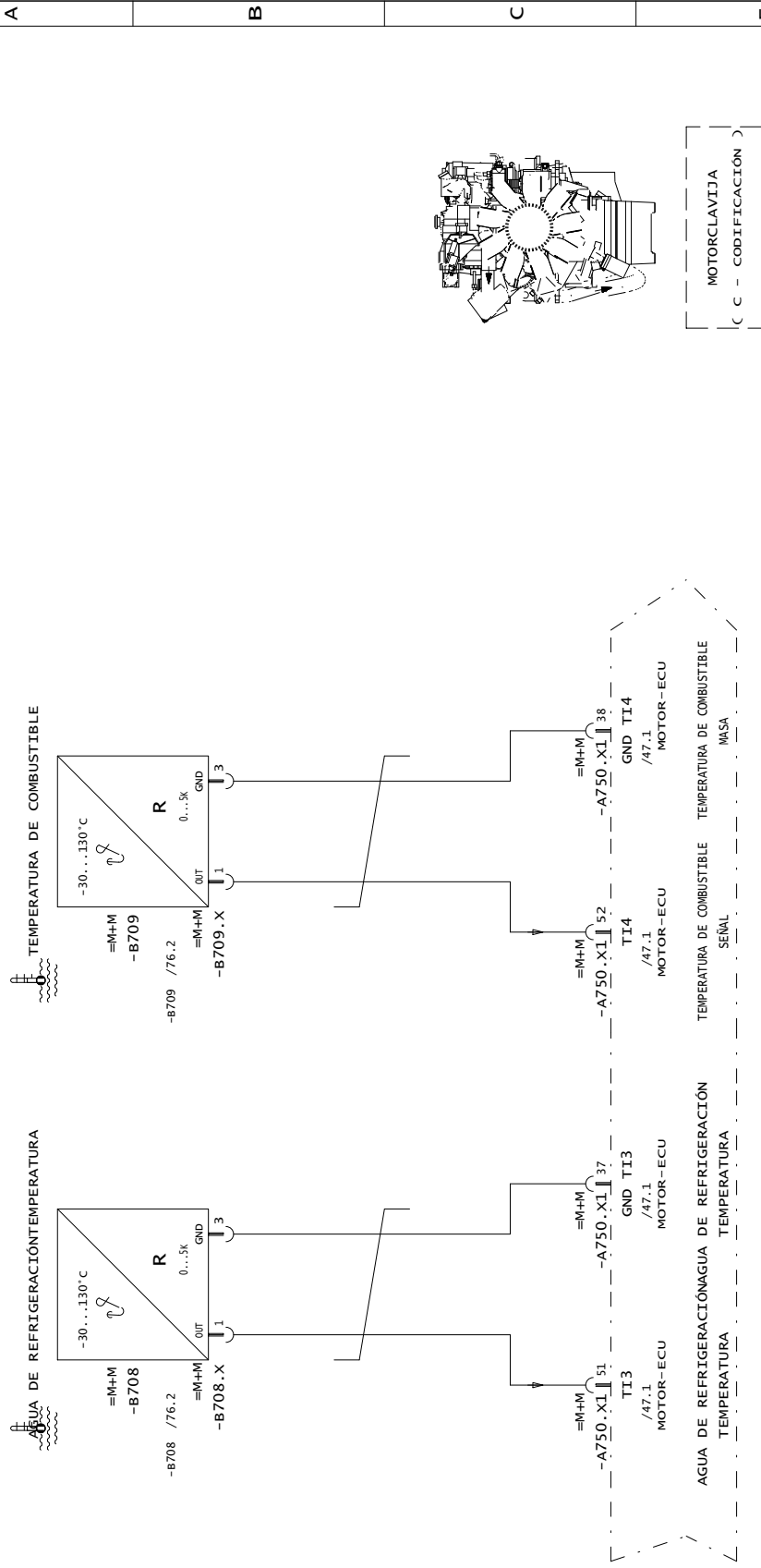
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SINOPSIS MOTOR





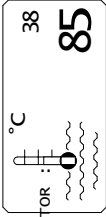
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|---|----------|----------|---------|---------------|--|--|--|--|-----------|------------------------|----|-----|
| 3 | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK | DÍNAMO / ALTERNADOR , MOTOR DE ARRANQUE , D+ SEÑAL , | | | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | 1werofo | EHINGEN | CABLEADO MOTOR , CONTROL DE CARGA | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | | | | | | | | von | Blatt | 77 | 219 |



| T (°C) | R (kOHM) |
|--------|----------|
| -10 | 9,3 ±5% |
| 0 | 5,6 ±5% |
| 10 | 3,6 ±5% |
| 20 | 2,5 ±5% |
| 30 | 1,7 ±5% |
| 40 | 1,1 ±5% |
| 50 | 0,9 ±5% |

| T (°C) | R (kOHM) |
|--------|----------|
| -10 | 9,3 ±5% |
| 0 | 5,6 ±5% |
| 10 | 3,6 ±5% |
| 20 | 2,5 ±5% |
| 30 | 1,7 ±5% |
| 40 | 1,1 ±5% |
| 50 | 0,9 ±5% |

INDICACIÓN / VISUALIZACIÓN MONI-



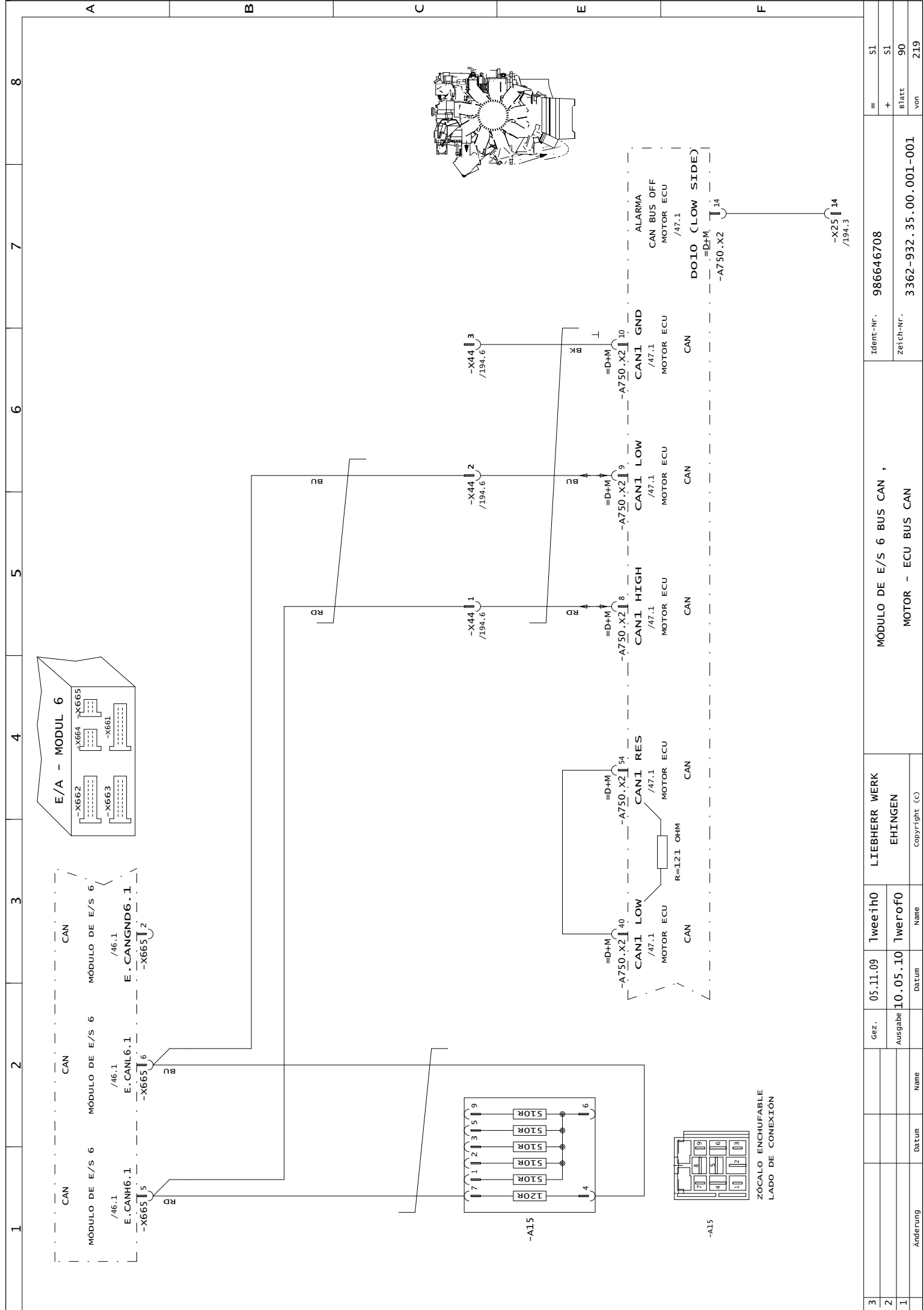
AIRE DE SOBREALIMENTACIÓN

AGUA DE REFRIGERACIÓN

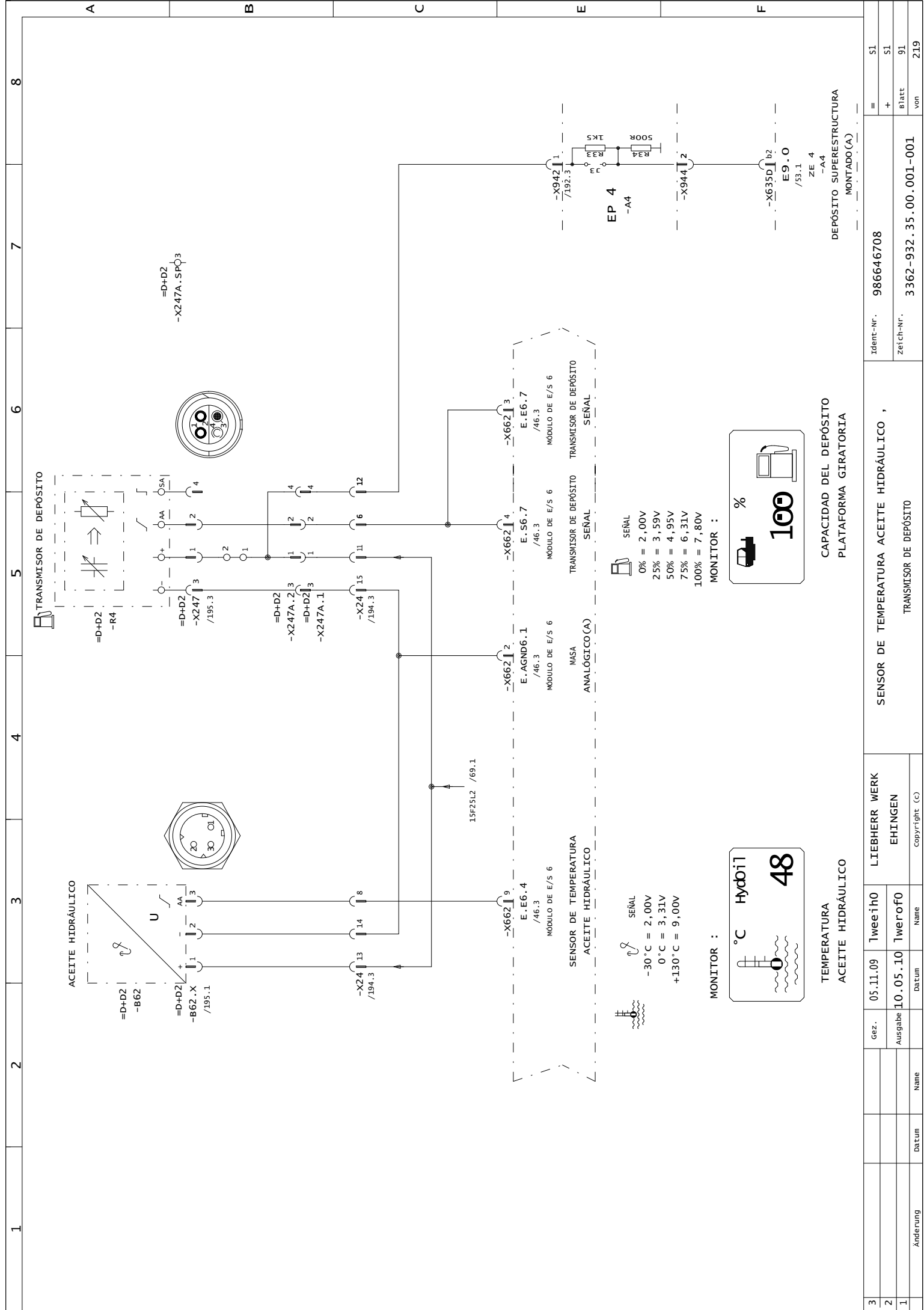
TEMPERATURA

| | | | | | | | | | | | |
|---|----------|-------|------|---------|----------|---------|----------------------------------|--|------------------------|---|----|
| 3 | | | | Gez. | 05.11.09 | Tweeih0 | LIEBHERR WERK AGUA EHINGEN | DE REFRIGERACIÓNTEMPERATURA , TEMPERATURA DE COMBUSTIBLE | Ident-Nr. 986646708 | = | S1 |
| 2 | | | | Ausgabe | 10.05.10 | Twerofo | | | | | |
| 1 | Änderung | Datum | Name | | | Name | | | | | |

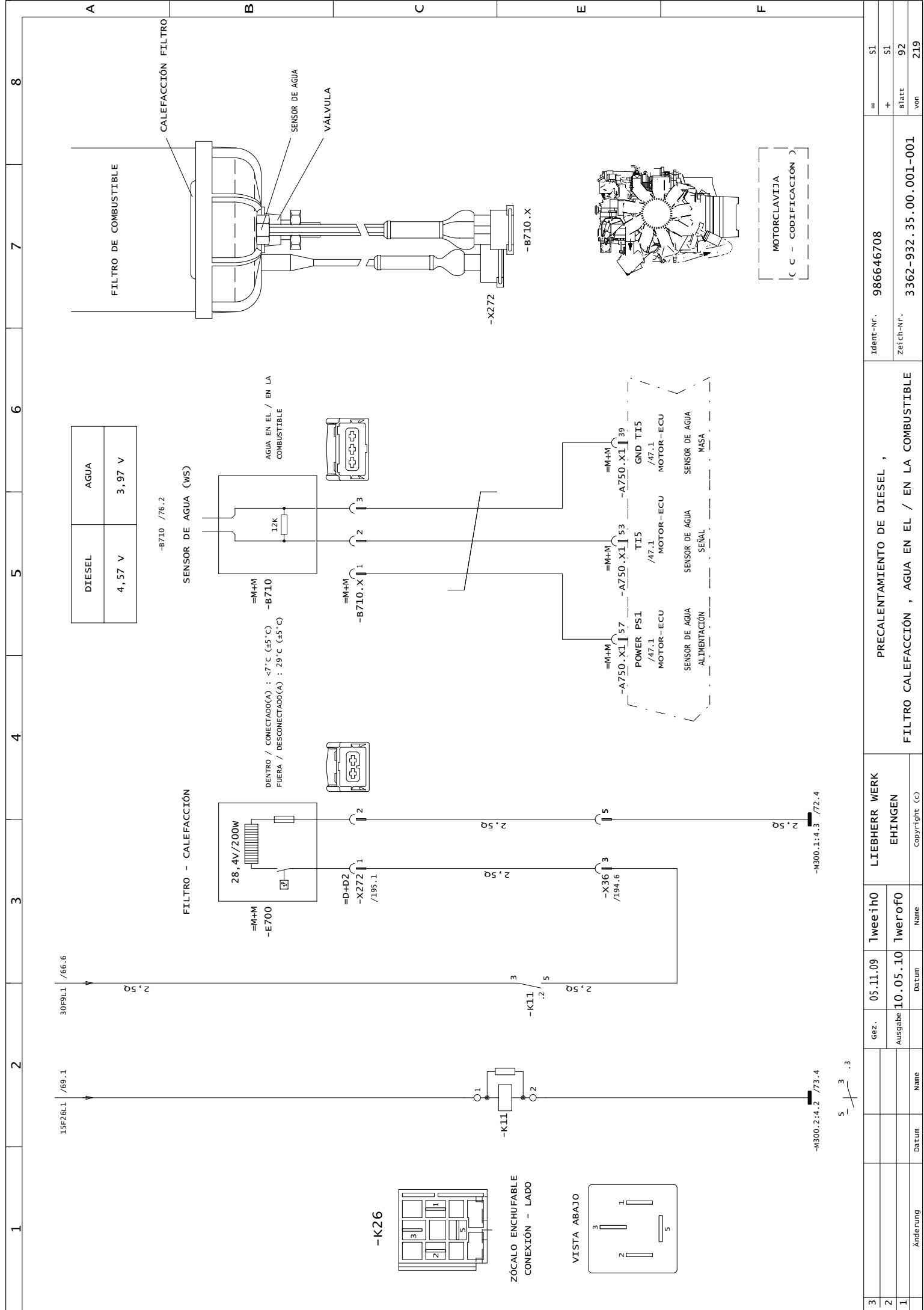
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--|----------|---------|----------|---------|---|--|---|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| LSB3 /108.1 | | | | | LSB3 - /108.1 | E.E6.0 /165.7 | E.DE6.0 /171.6 |
| -X663 16 E.LSBHG6.B /46.1 E/A MODUL 6 | | | | | -X663 14 E.LSBGND6.B /46.1 E/A MODUL 6 | -X662 17 E.E6.0 /46.3 MODULO DE E/S 6 | -X662 18 E.DE6.0 /46.3 MODULO DE E/S 6 |
| LSB3 | | | | | LSB3- | DIAGNÓSTICO CALEFACCIÓN | AIRE ACONDICIONADO DENTRO / CONECTADO (A) |
| LIEBHERR WERK EHINGEN | | | | | MÓDULO DE E/S 6 LSB 3 , | | |
| Copyright (c) | | | | | MÓDULO DE E/S 6 DIAGNÓSTICO CALEFACCIÓN | | |
| 3 | | Gez. | 05.11.09 | 1wee1h0 | Ident-Nr. | | |
| 2 | | Ausgabe | 10.05.10 | 1werof0 | 986646708 | | |
| 1 | Änderung | Name | Datum | Name | 3362-932.35.00.001-001 | | |
| | | | | | Blatt | | |
| | | | | | von | | |
| | | | | | S1 | | |
| | | | | | S1 | | |
| | | | | | 89 | | |
| | | | | | 219 | | |



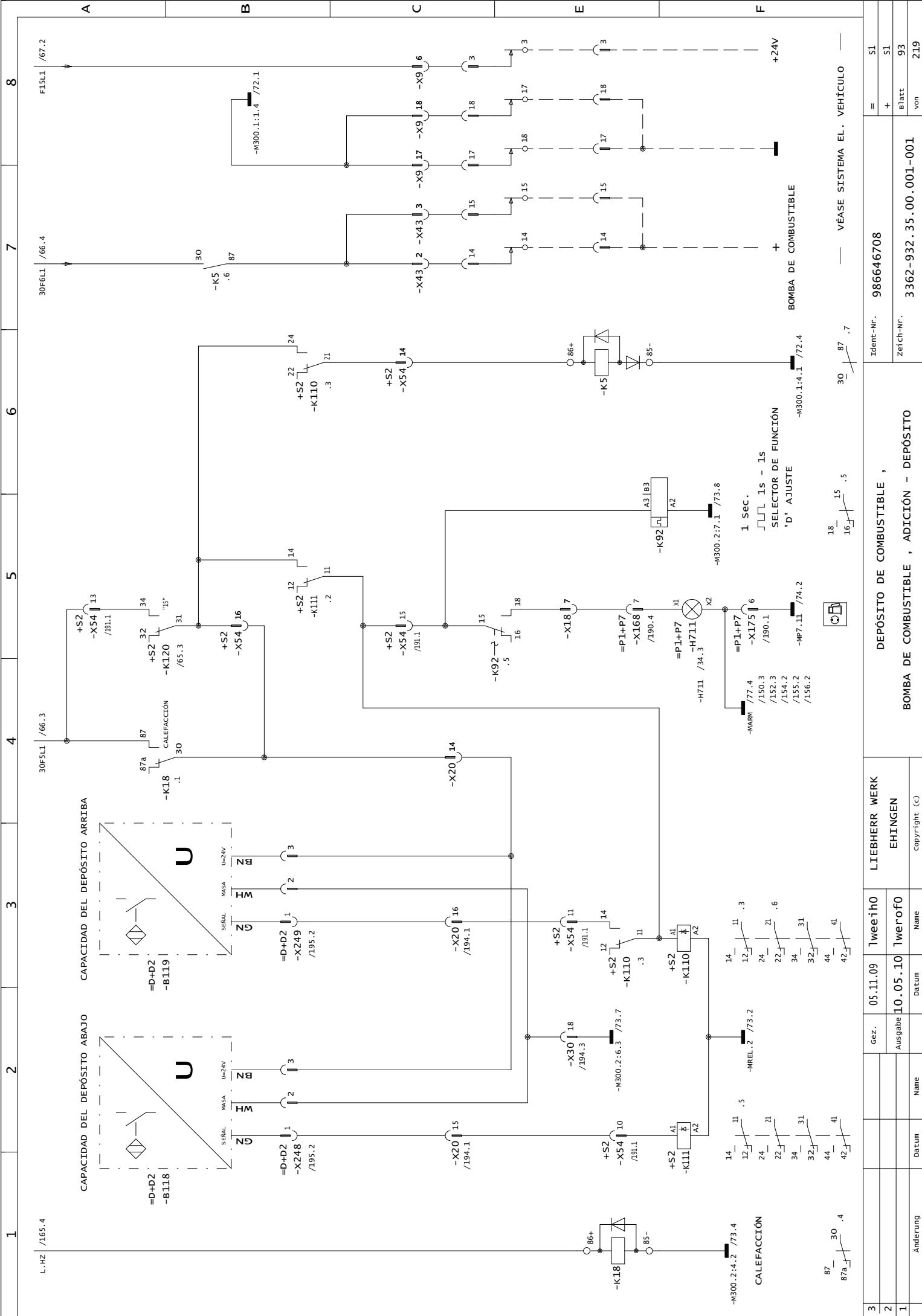
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|---|----------|-------|------|---------|----------|---------------|---------------------------|---------------------|-----------|-----------|------------------------|
| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | MÓDULO DE E/S 6 BUS CAN , | Ident-Nr. | 986646708 | = | sl |
| 2 | | | | Ausgabe | 10.05.10 | EHINGEN | | | | Zeich-Nr. | 3362-932.35.00.001-001 |
| 1 | Änderung | Datum | Name | | Datum | Copyright (c) | | MOTOR - ECU BUS CAN | | | blatt |
| | | | | | | | | | | von | 219 |



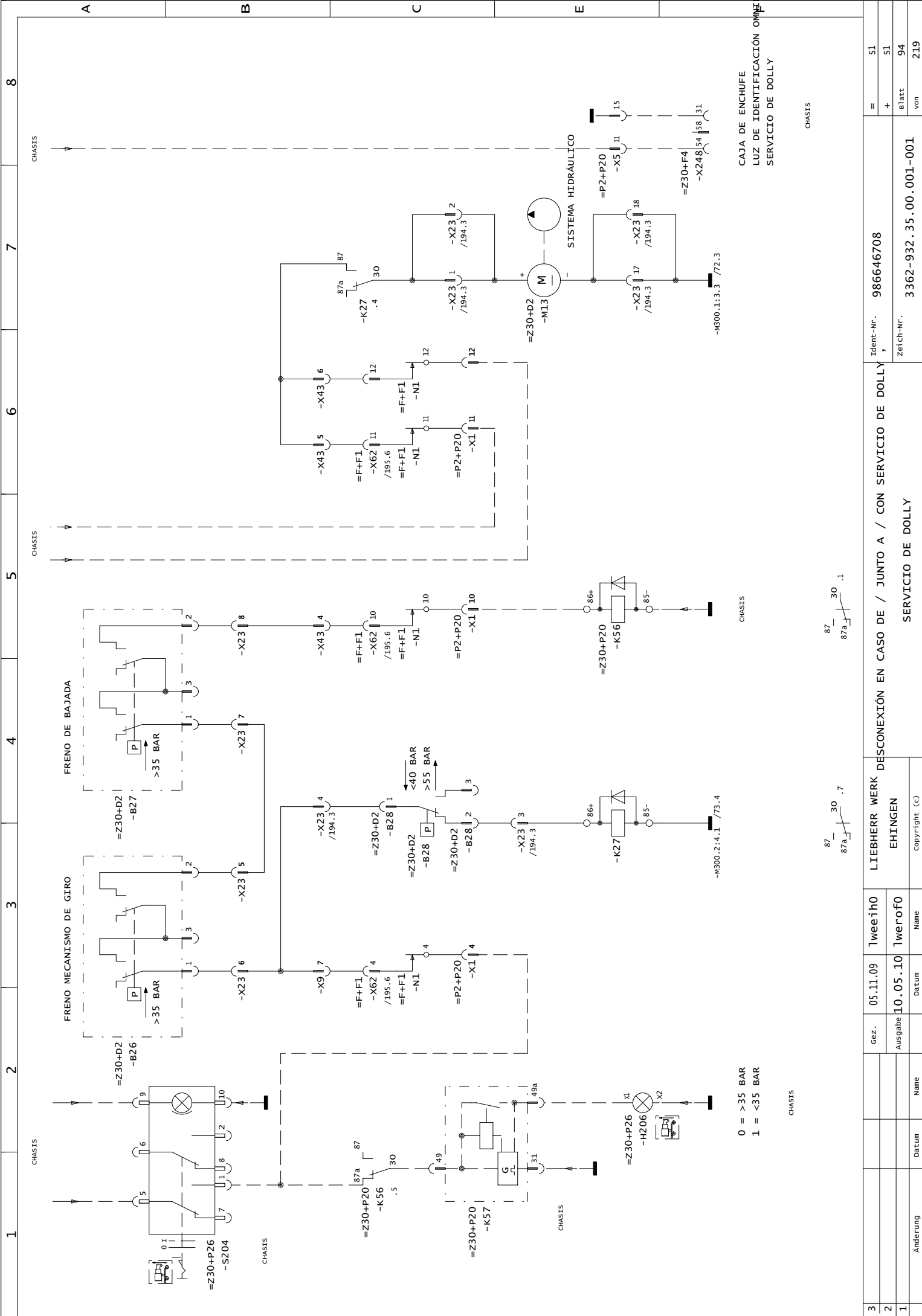
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| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | SENSOR DE TEMPERATURA ACEITE HIDRÁULICO , | Ident-Nr. 986646708 | = s1 |
| 2 | | | | | | EHINGEN | | | |
| 1 | | | | Ausgabe | 10.05.10 | 1werofo | | | |
| | Änderung | Datum | Name | | Datum | Name | TRANSMISOR DE DEPÓSITO | Zeich-Nr. 3362-932.35.00.001-001 | Blatt von 91 219 |



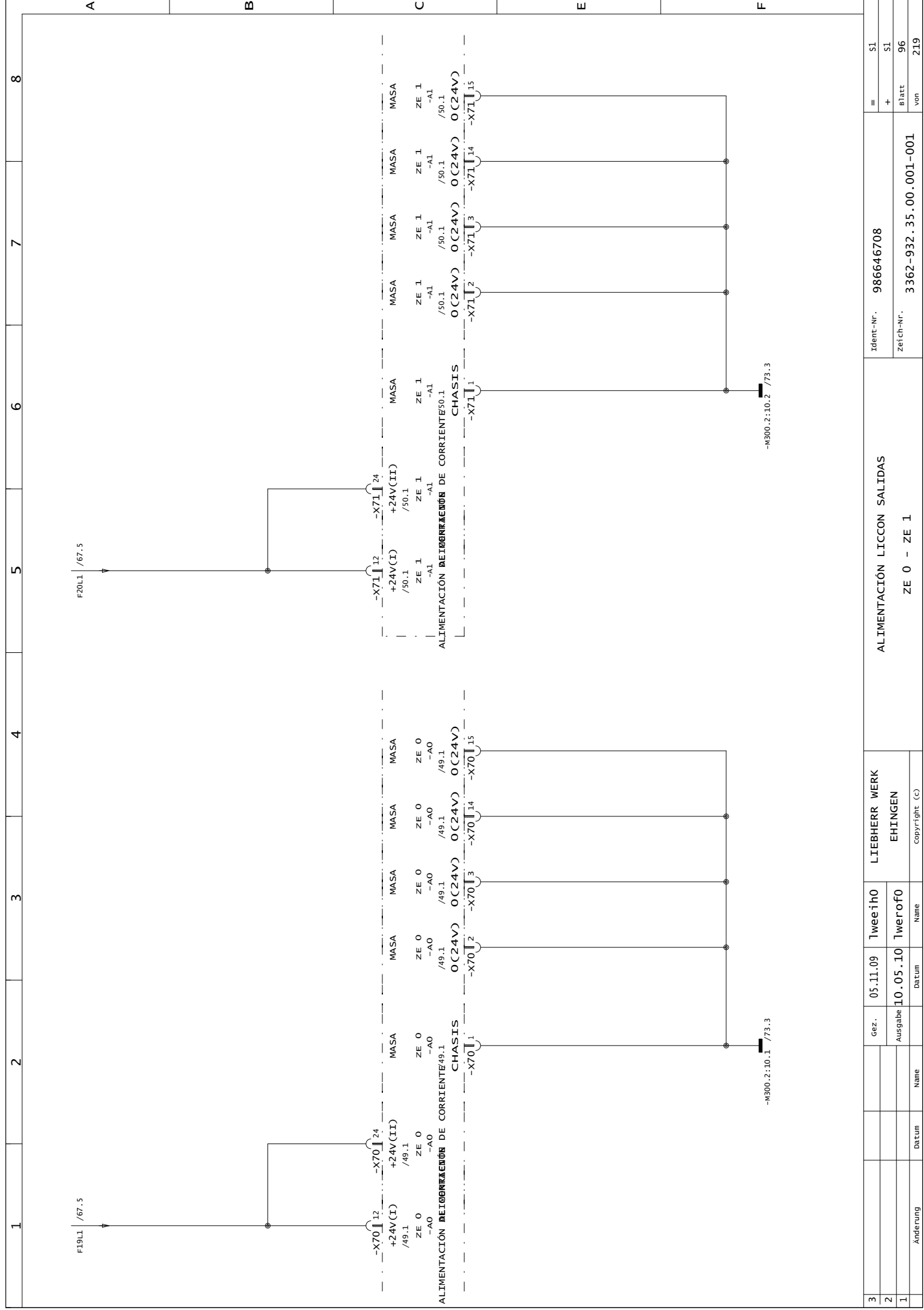
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|---|----------|-------|------|--|------|----------|----------|--------------------------|---|-----------|------------------------|--------------|-----------|
| 3 | | | | | Gez. | 05.11.09 | Tweeih | LIEBHERR WERK EHINGEN | PRECALENTAMIENTO DE DIESEL , | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | | | | | | | | | | + | S1 |
| 1 | | | | | | Ausgabe | 10.05.10 | Twerofo | FILTRO CALEFACCIÓN , AGUA EN EL / EN LA COMBUSTIBLE | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt von | 92 219 |
| | Änderung | Datum | Name | | | | Datum | Name | Copyright (c) | | | | |



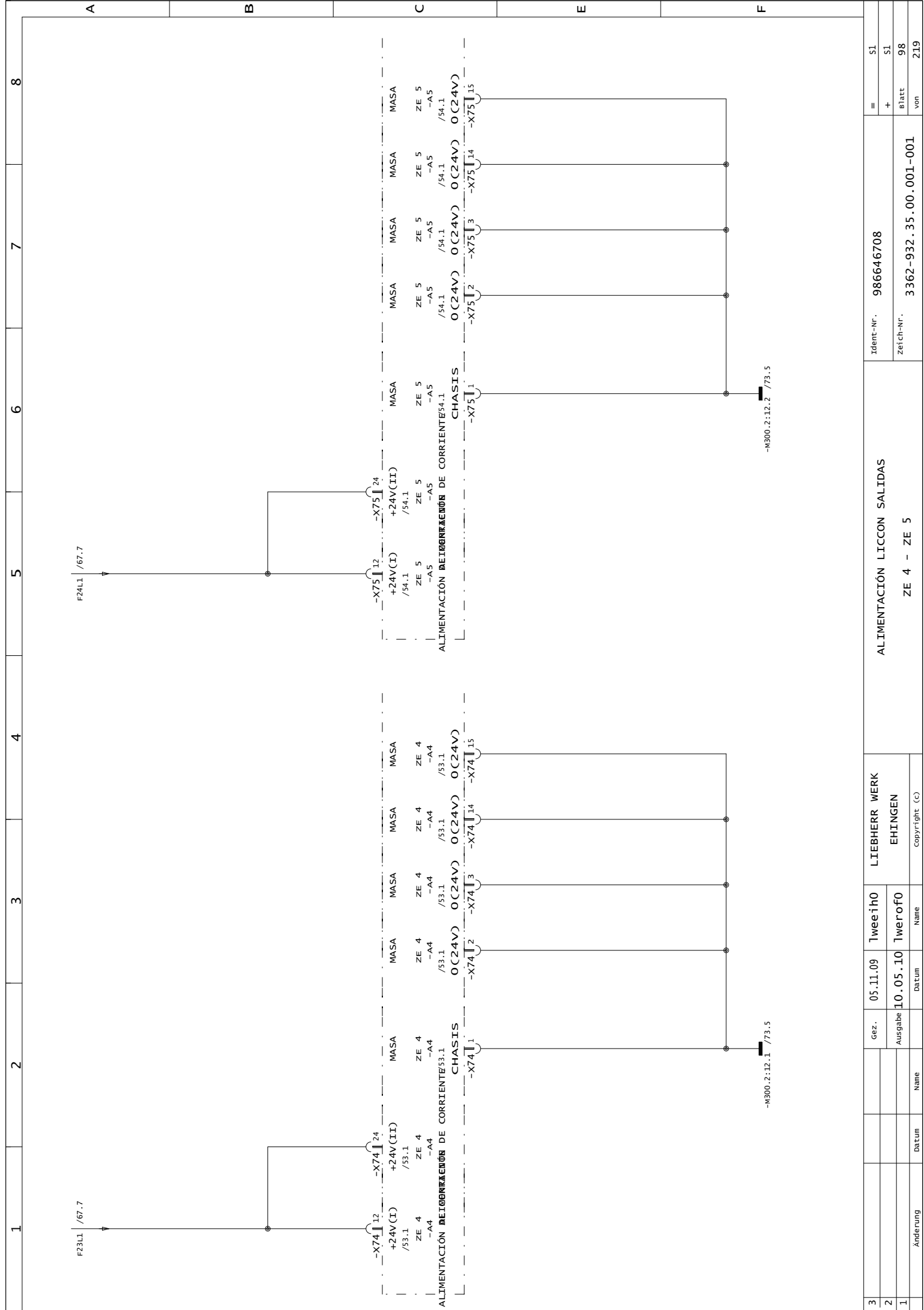
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| 3 | | | Gez. | 05.11.09 | LIEBHERR WERK EHINGEN | | DEPÓSITO DE COMBUSTIBLE , | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | | | Ausgabe | | BOMBA DE COMBUSTIBLE , ADICIÓN - DEPÓSITO | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | | Copyright (c) | | von | | | |
| | | | | | | | | | Blatt | | | |
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| | | | | | | | | | 219 | | | |



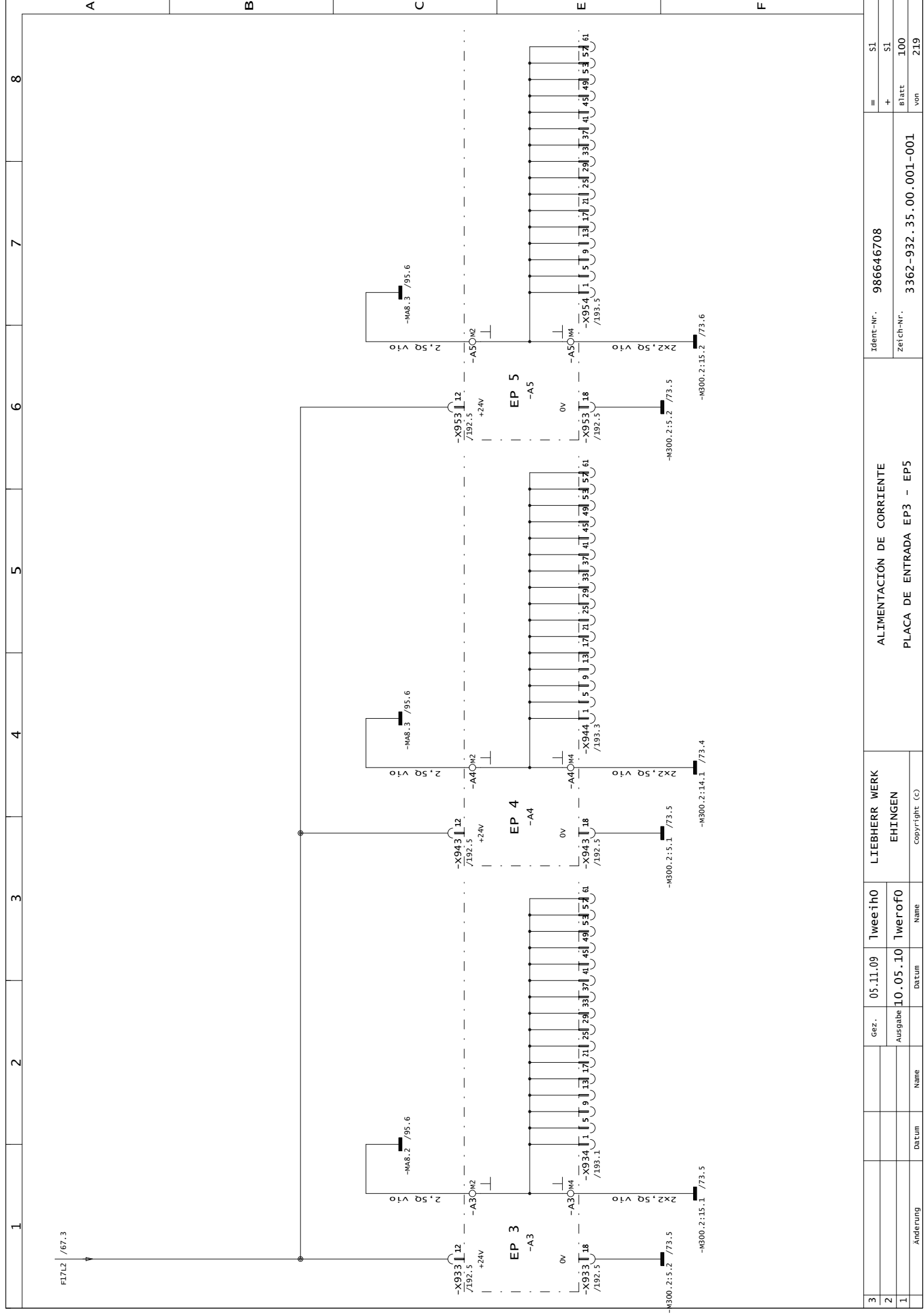
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| 3 | Gez. | 05.11.09 | Liebherr | LIEBHERR WERK | | DESCONEXIÓN EN CASO DE / JUNTO A / CON SERVICIO DE DOLLY | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | Liebherr | EHINGEN | | SERVICIO DE DOLLY | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Copyright (c) | | | | | | Blatt | 94 |
| | | | | | | | | | | von | 219 |



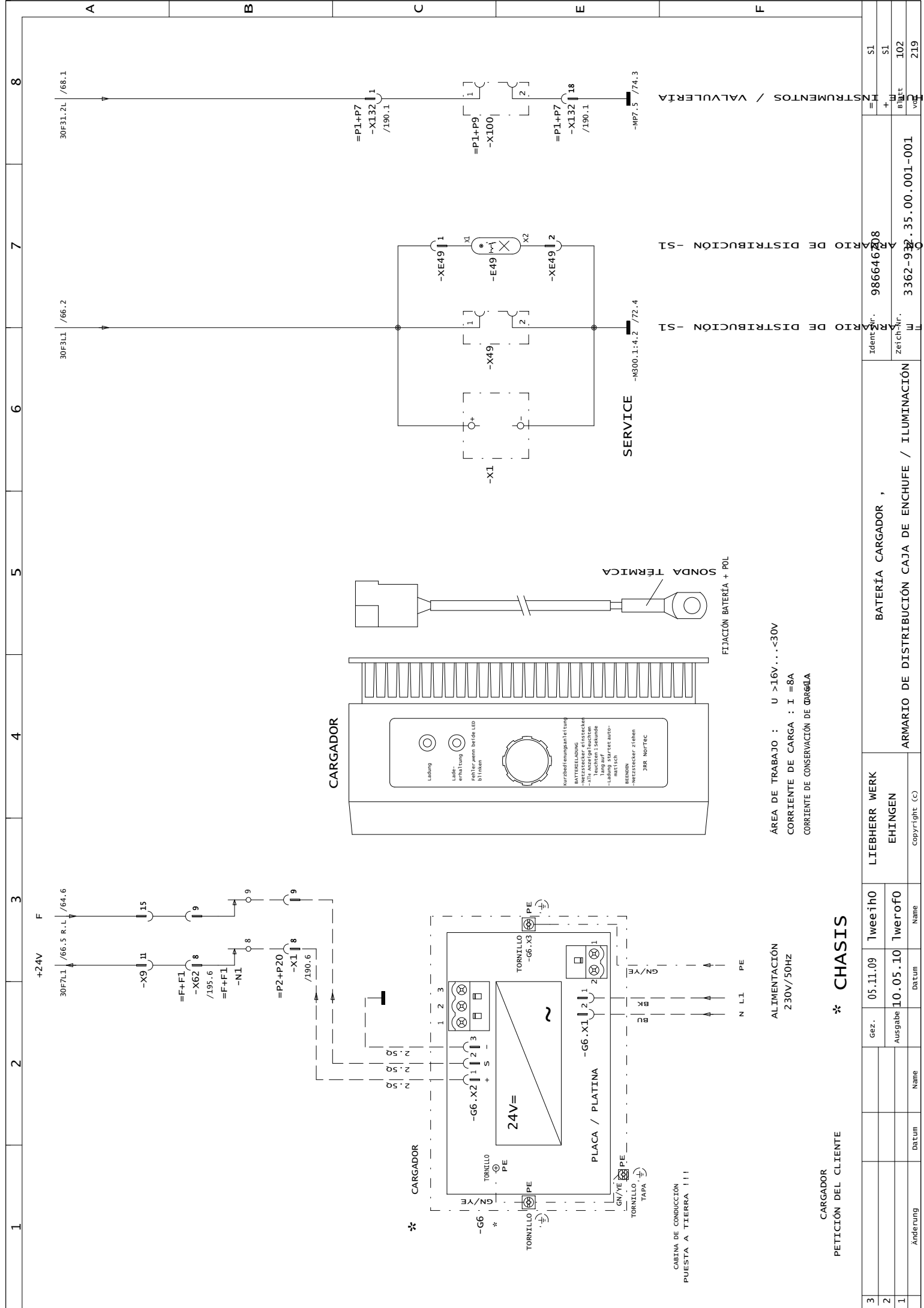
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| 3 | | | | Gez. | 05.11.09 | 1weeiho | ALIMENTACIÓN LICCON SALIDAS | Ident.-Nr. 986646708 | = S1 |
| 2 | | | | | | | | | + S1 |
| 1 | | | | Ausgabe | 10.05.10 | 1werof0 | | | Zeich-Nr. 3362-932.35.00.001-001 |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | ZE 0 - ZE 1 | von 219 |



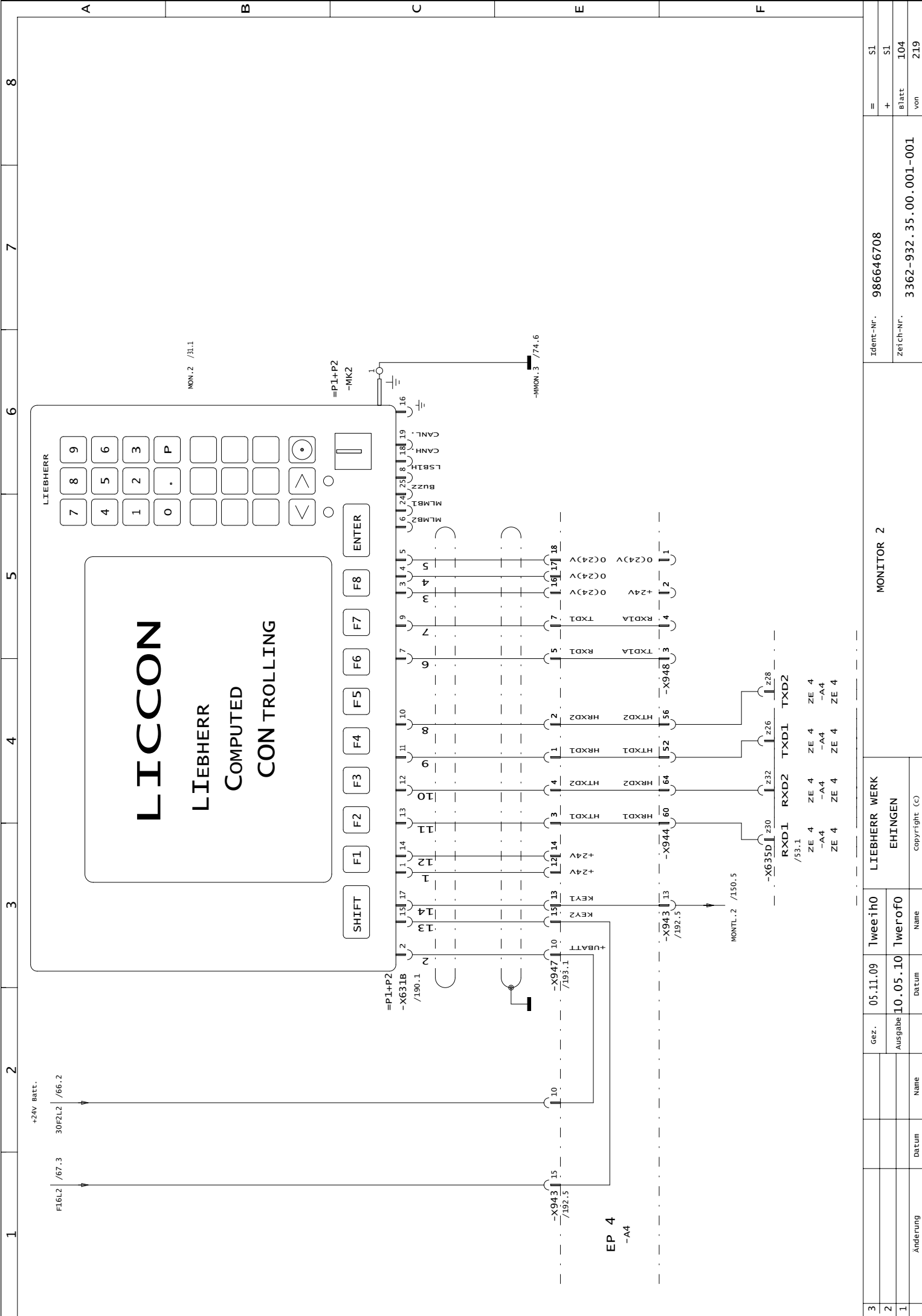
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| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | ALIMENTACIÓN LICCON SALIDAS | Ident-Nr. 986646708 | = S1 |
| 2 | | | | | | EHINGEN | | | |
| 1 | | | | Ausgabe | 10.05.10 | Twerofo | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | Zeich-Nr. 3362-932.35.00.001-001 | Blatt 98 von 219 |



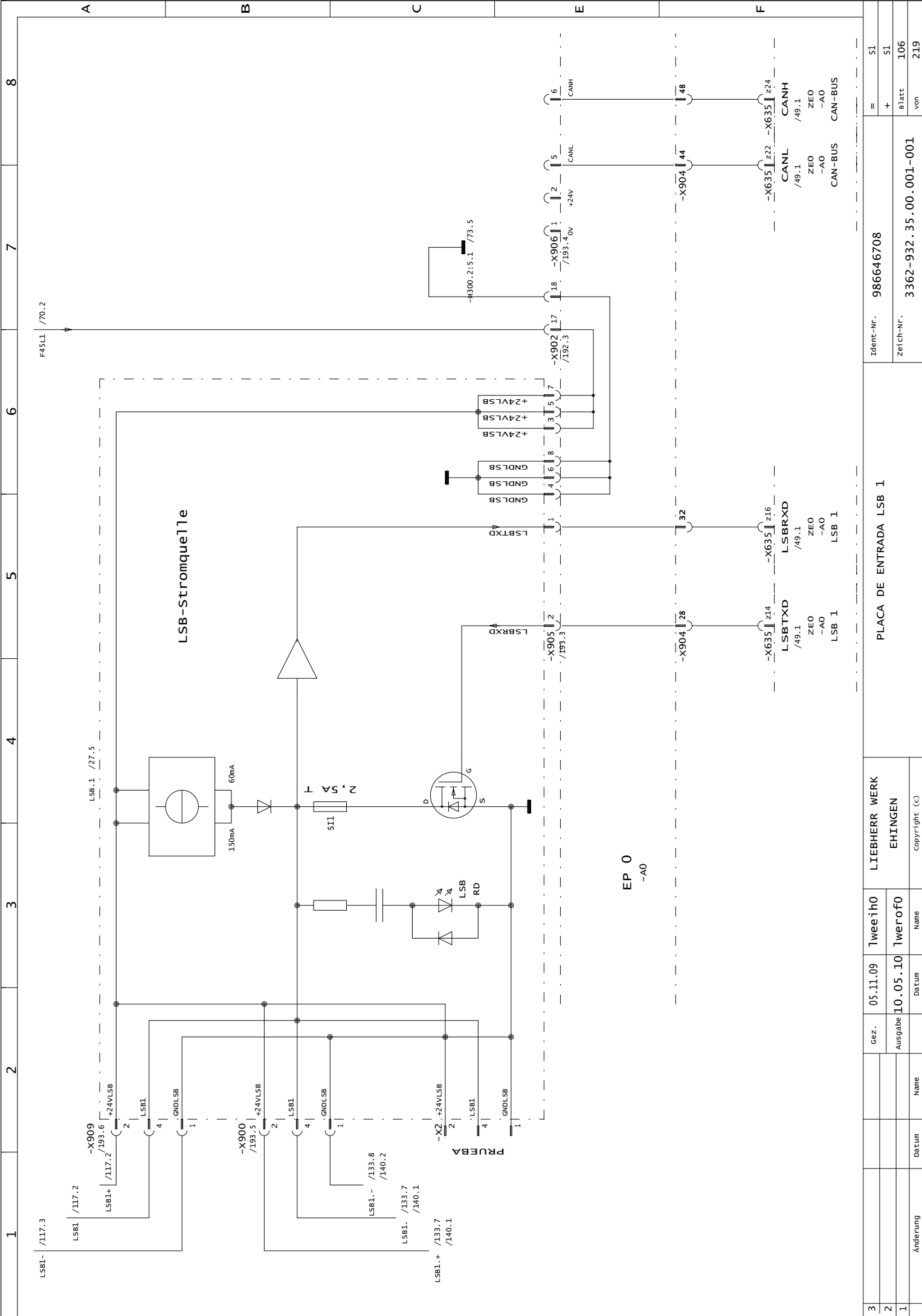
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| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | ALIMENTACIÓN DE CORRIENTE | Ident.-Nr. | = | S1 |
| 2 | | | | | | EHINGEN | | | | + |
| 1 | | | | Ausgabe | 10.05.10 | Lwerof0 | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | von | 219 |



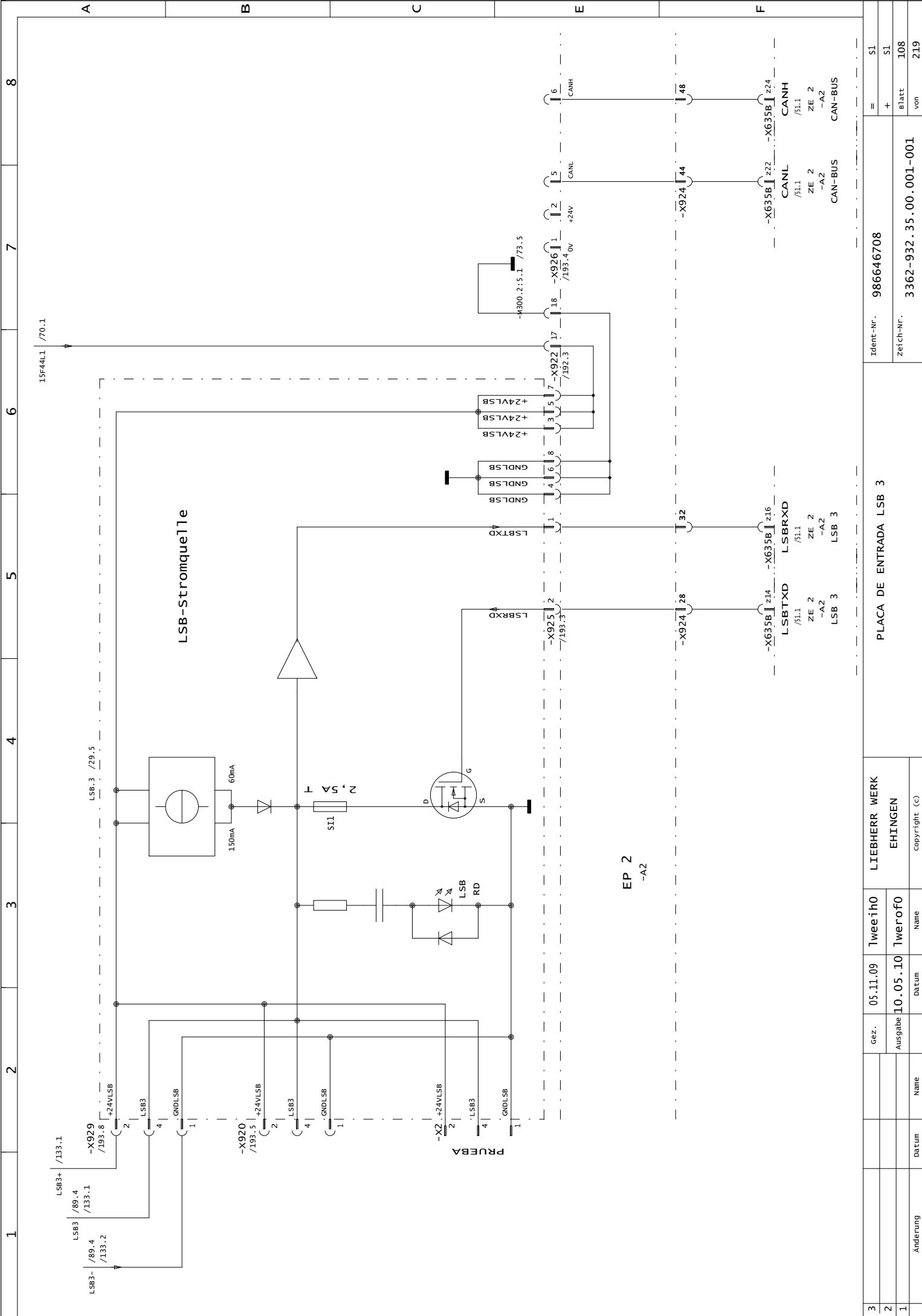
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| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | BATERÍA CARGADOR , | Ident-Nr. 986646208 | N | S1 |
| 2 | | | | | | EHINGEN | | | | |
| 1 | | | | Ausgabe | 10.05.10 | Lierof0 | | | | |
| | Änderung | Datum | Name | | Datum | Name | ARMARIO DE DISTRIBUCIÓN CAJA DE ENCHUFE / ILUMINACIÓN | Zeich-Nr. 3362-932.35.00.001-001 | W | 102 |
| | | | | | | Copyright (c) | | | W | 219 |



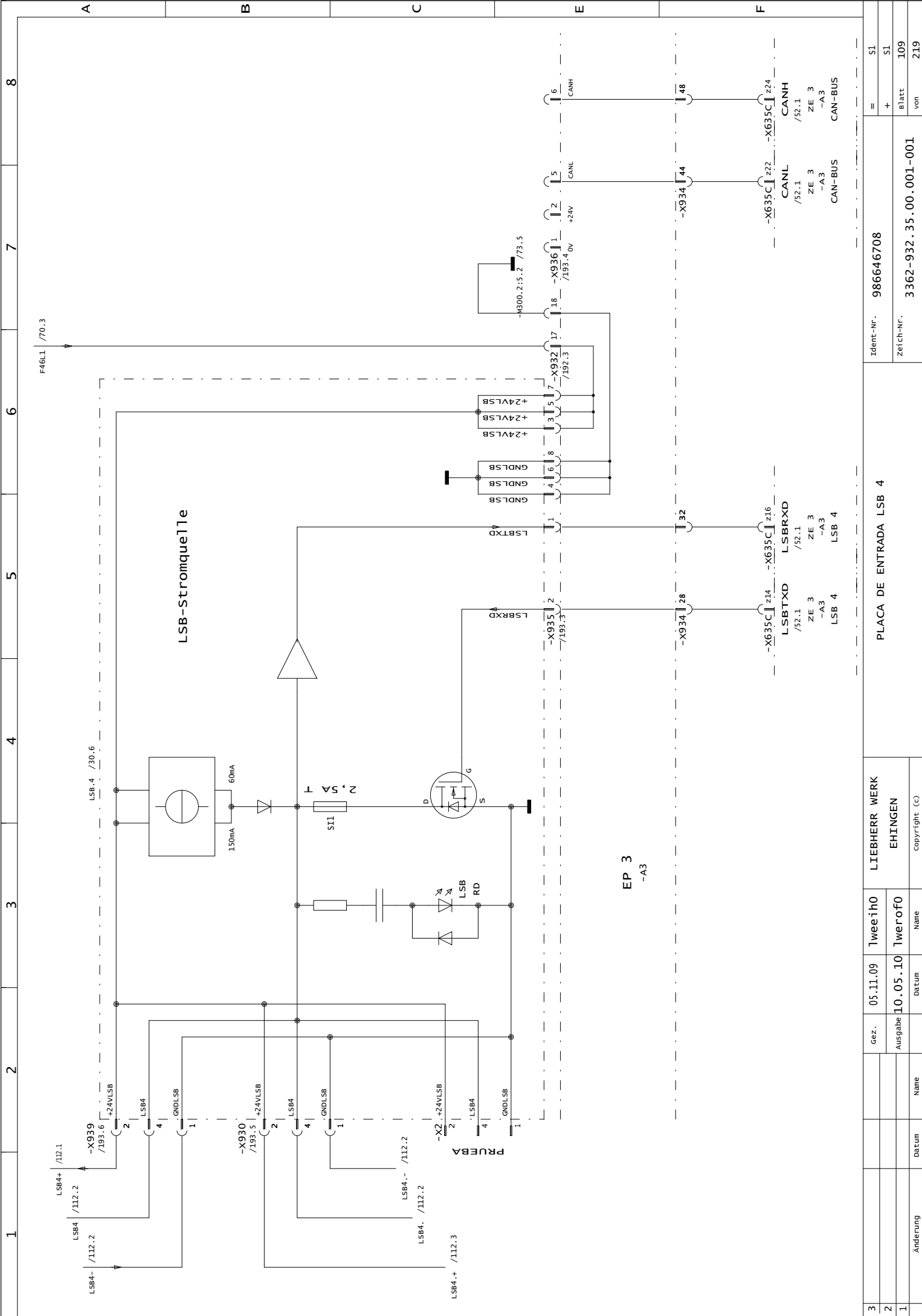
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| 3 | | Gez. | 05.11.09 | lwee:ho | LIEBHERR WERK EHINGEN | | MONITOR 2 | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | | Ausgabe | 10.05.10 | lwerof0 | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | Blatt | 104 |
| | | | | | | | | | | | von | 219 |



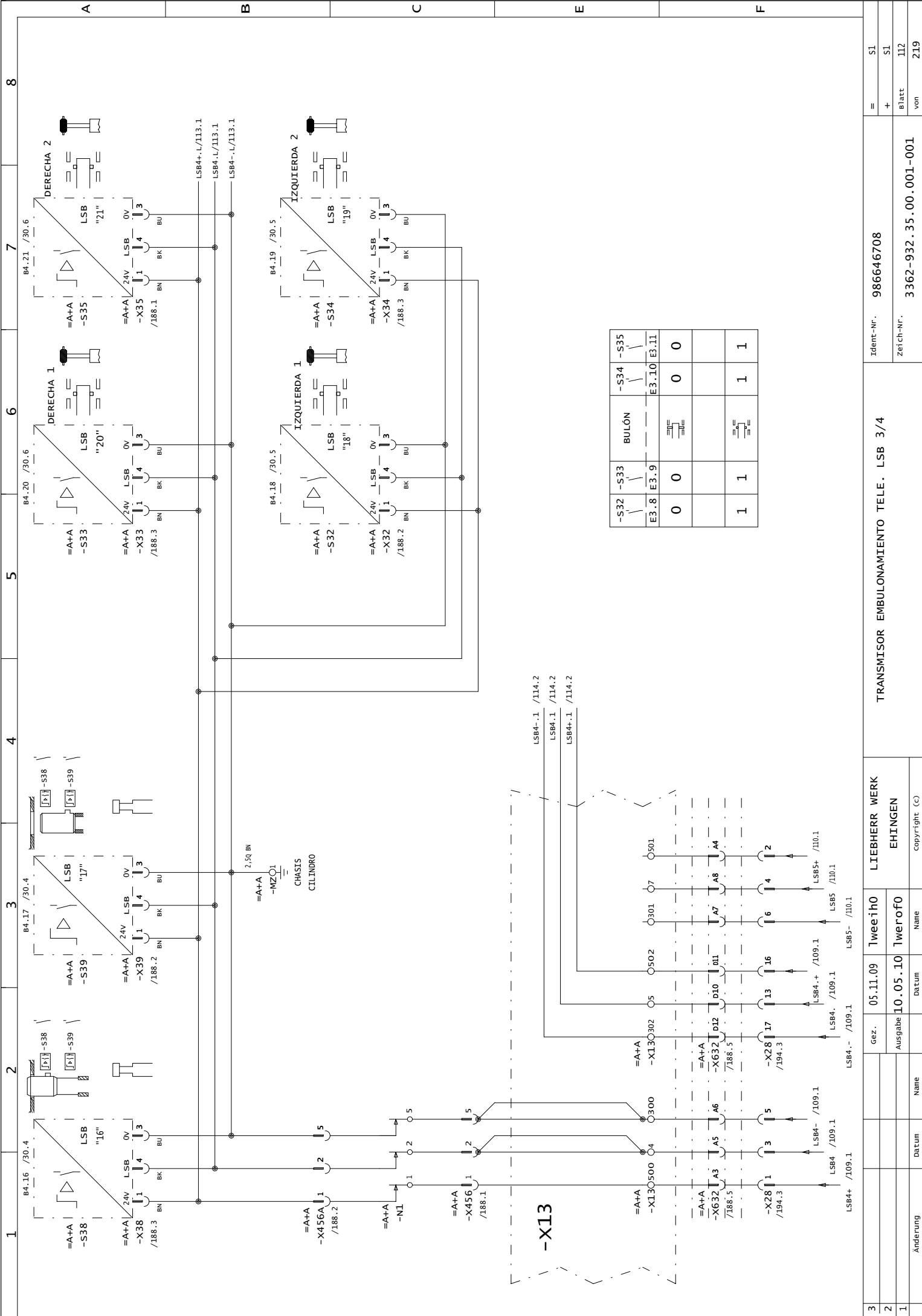
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| 3 | | Gez. | 05.11.09 | lweih0 | LIEBHERR WERK | | PLACA DE ENTRADA LSB 1 | | Ident-Nr. | 986646708 | = | | S1 |
| 2 | | Ausgabe | 10.05.10 | lwerof0 | EHINGEN | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | | S1 |
| 1 | Änderung | Datum | Name | Datum | Copyright (c) | | | | | | Blatt | | 106 |
| | | | | | | | | | | | von | | 219 |



| | | | | | | | | | | | | | |
|---|----------|-------|----------|---------|---------------|---------|------------------------|--|-----------|------------------------|-------|--|-----|
| 3 | | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK | | PLACA DE ENTRADA LSB 3 | | Ident-Nr. | 986646708 | = | | S1 |
| 2 | | | | | EHINGEN | | | | | | + | | S1 |
| 1 | Änderung | Datum | Name | Datum | 10.05.10 | 1werof0 | | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt | | 108 |
| | | | | | | | | | | | von | | 219 |

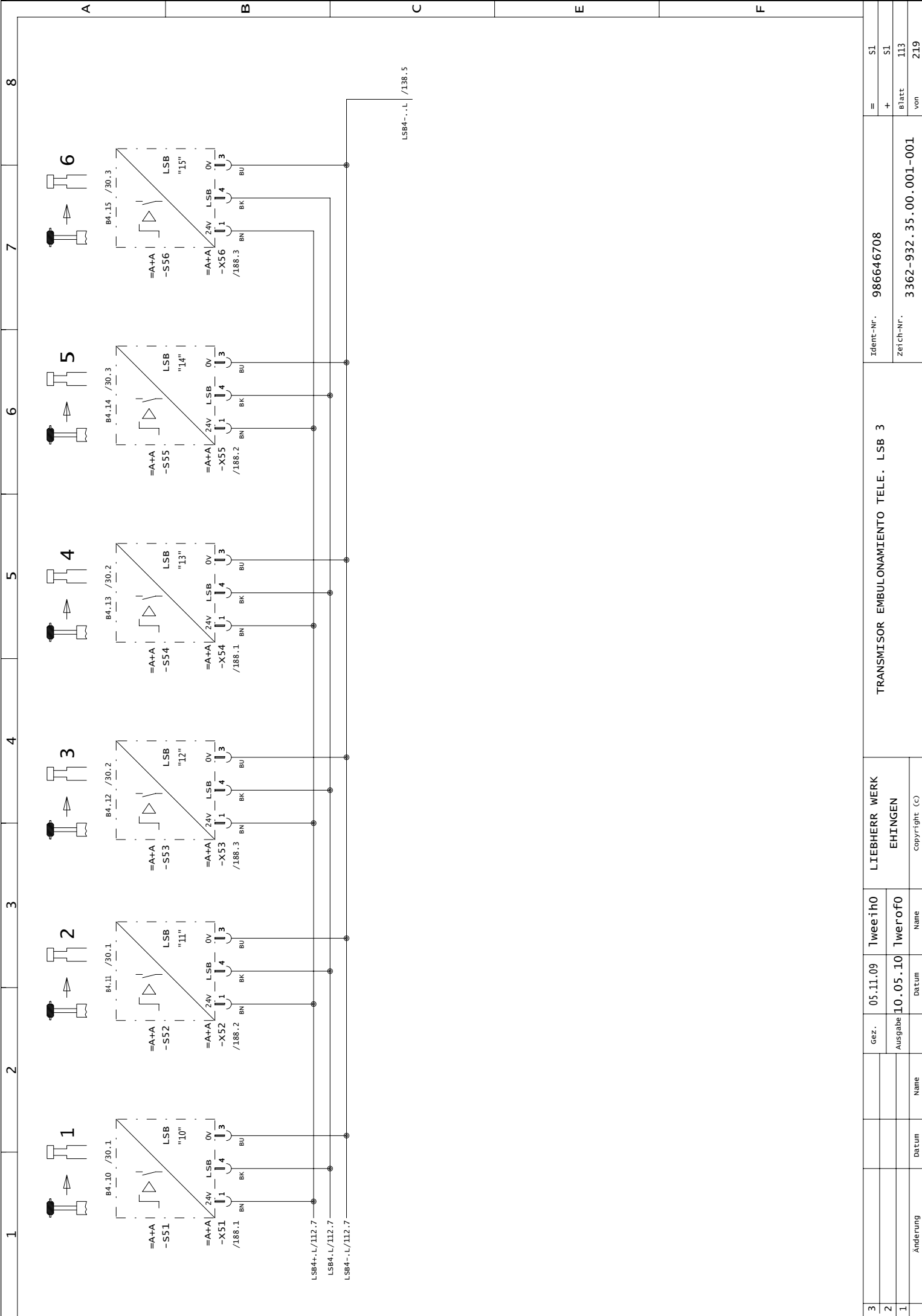


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| 3 | | | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK | | PLACA DE ENTRADA LSB 4 | | Ident-Nr. 986646708 | | = | S1 |
| 2 | | | Ausgabe | 10.05.10 | 1werof0 | EHINGEN | | | | Zeich-Nr. 3362-932.35.00.001-001 | | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | | Blatt | 109 |
| | | | | | | | | | | | | von | 219 |



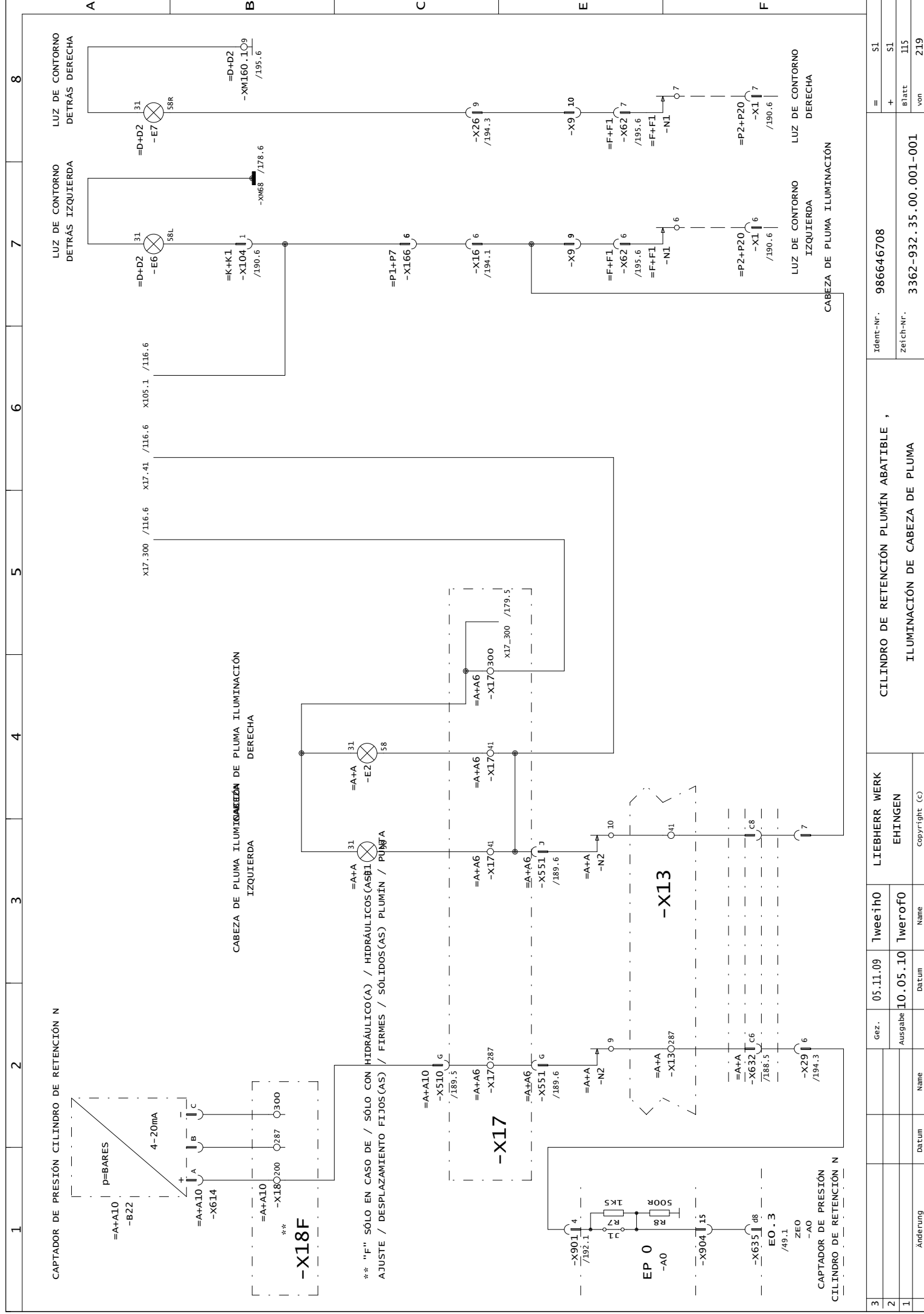
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|------|------|-------|-------|-------|
| -S32 | -S33 | BULÓN | -S34 | -S35 |
| E3.8 | E3.9 | | E3.10 | E3.11 |
| 0 | 0 | | 0 | 0 |
| 1 | 1 | | 1 | 1 |

| | | | | | | | | |
|---|----------|----------|---------------|---|-----------|------------------------|-------|-----|
| 3 | Gez. | 05.11.09 | LIEBHERR WERK | TRANSWISOR EMBULONAMIENTO TELE. LSB 3/4 | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | EHINGEN | | | | + | S1 |
| 1 | Änderung | Datum | Name | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt | 112 |
| | | | | Copyright (c) | | | von | 219 |

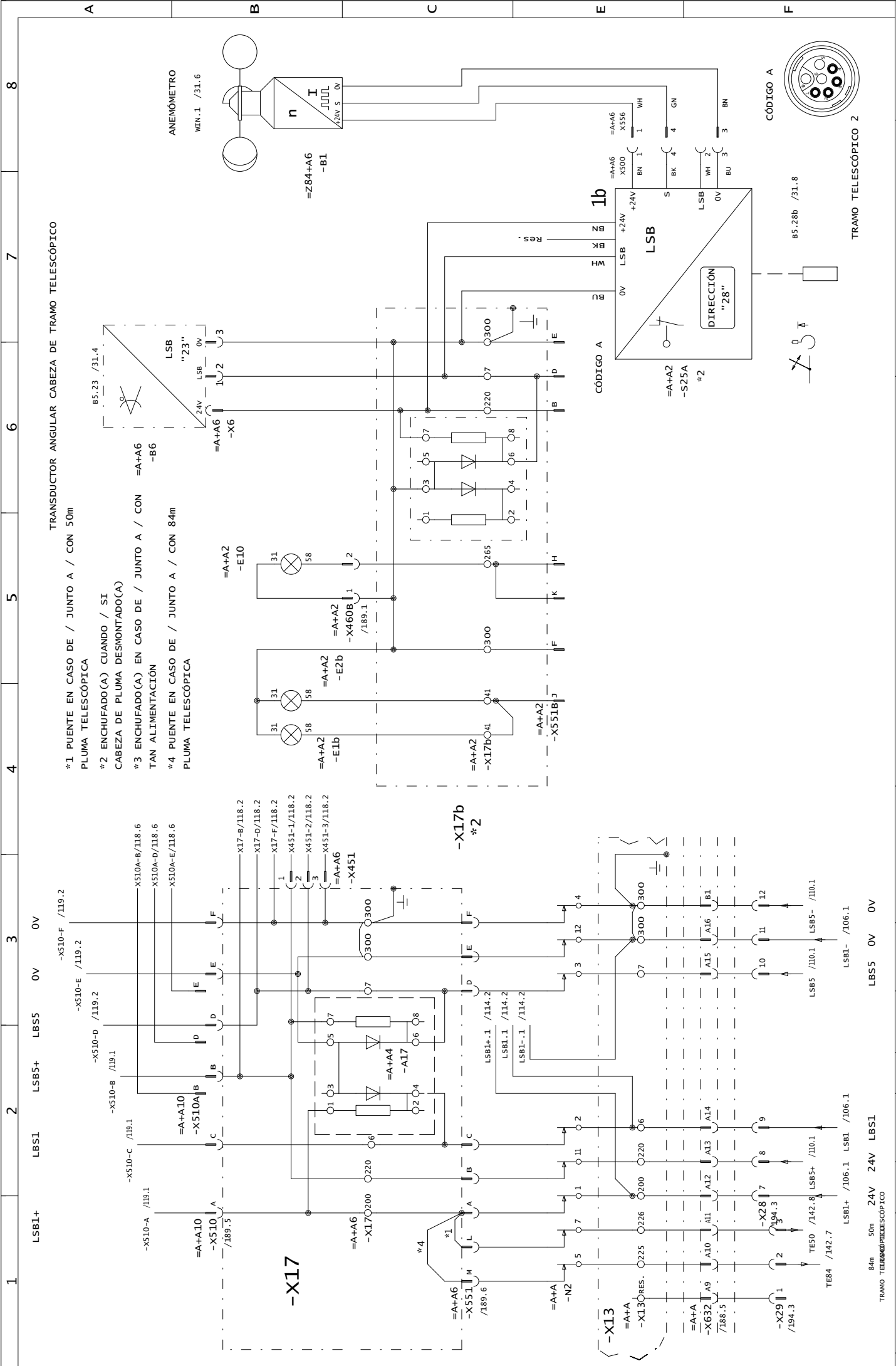


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| 3 | | Gez. | 05.11.09 | 1wee1h0 | LIEBHERR WERK EHINGEN | | Copyright (c) | |
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| LSB1-.1 /117.3 | | | | | | | | | | | | | | | | | | | |
| LSB4+.1 /112.4 | | | | | | | | | | | | | | | | | | | |
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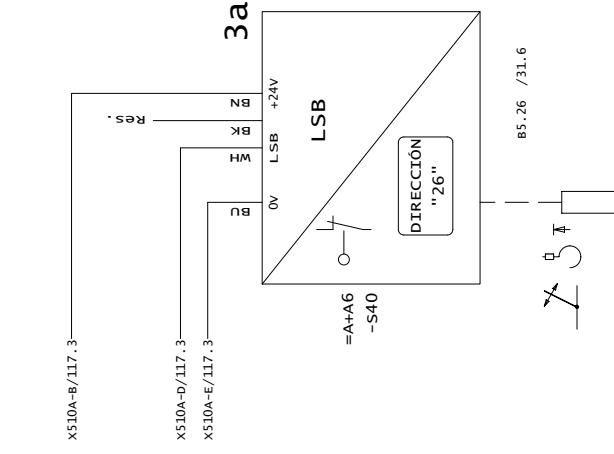
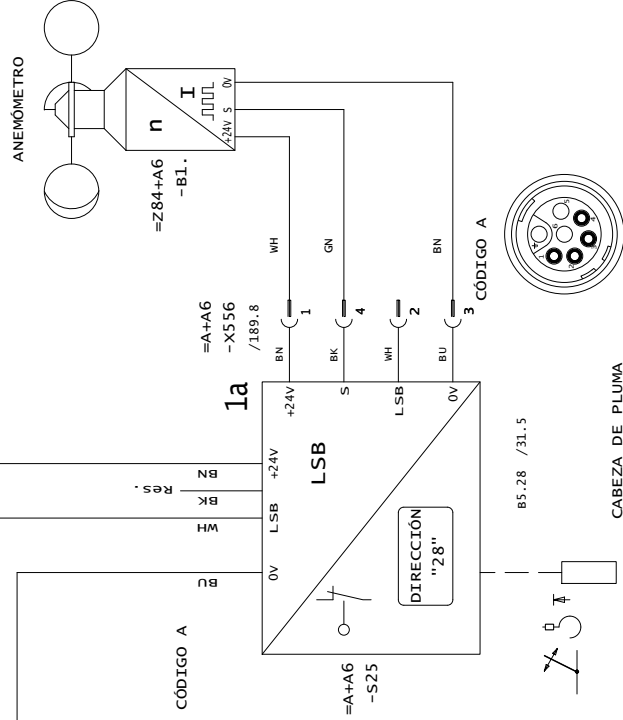
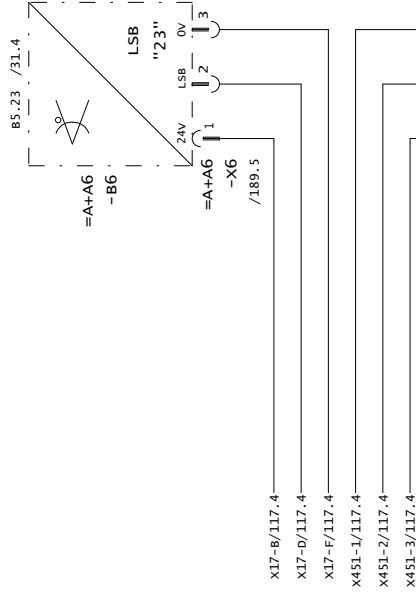


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| 3 | | | | Gez. | 05.11.09 | 1weeiho | LIEBHERR WERK EHINGEN | | CILINDRO DE RETENCIÓN PLUMÍN ABATIBLE , ILUMINACIÓN DE CABEZA DE PLUMA | Ident.-Nr. 986646708 | = S1 |
| 2 | | | | Ausgabe | 10.05.10 | 1werof0 | | 3362-932-35.00.001-001 | | | + S1 |
| 1 | Änderung | Datum | Name | | | Name | copyright (c) | | | Blatt 115 von 219 | |

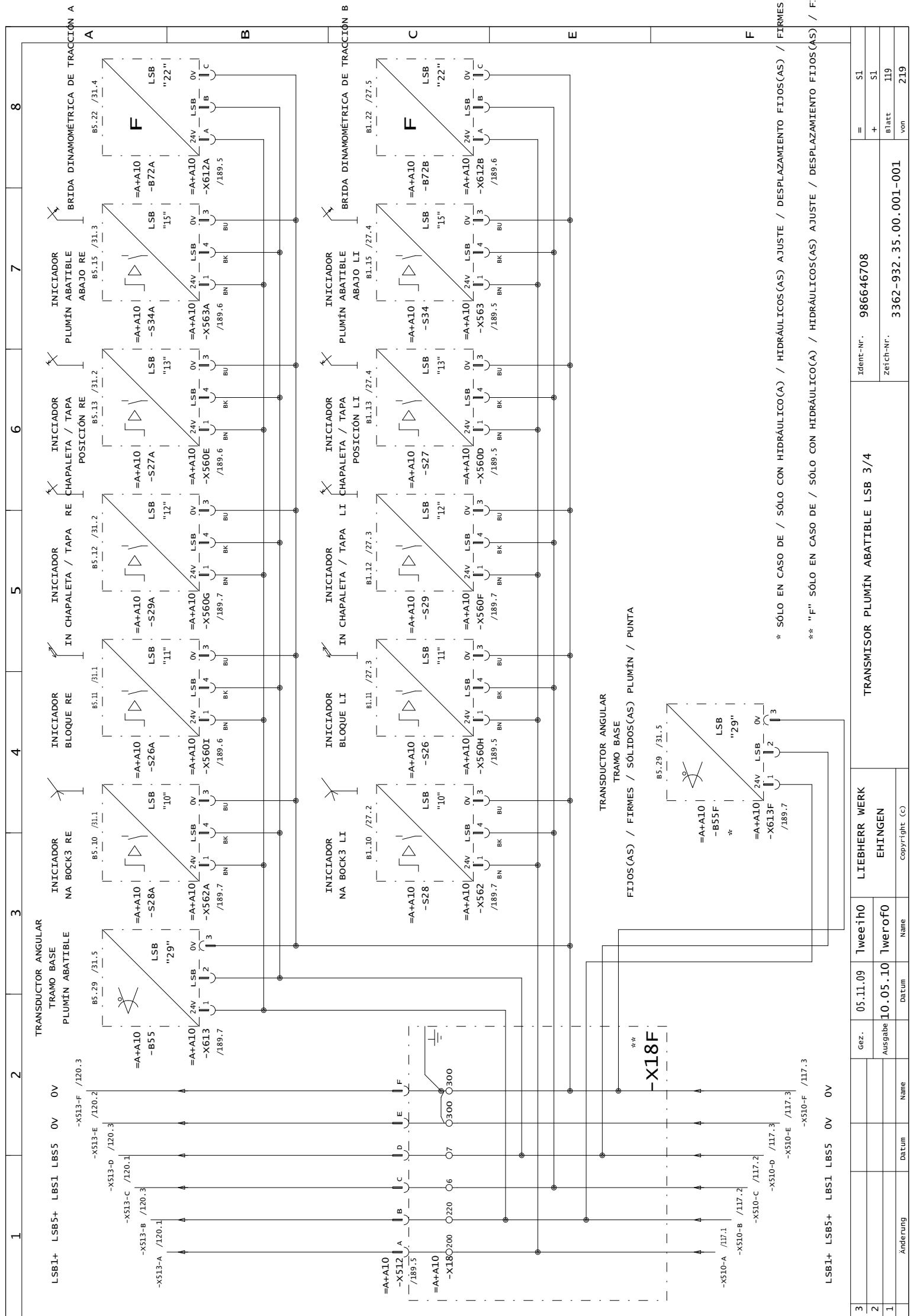


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| 3 | | | Gez. | 05.11.09 | lwee:ho | LIEBHERR WERK INTERRUPTOR DE FIN DE CARRERA CUANDO / SI CABEZA DE PLUMA DESMONTADO(A) | | Ident-Nr. | 986646708 | | S1 |
| 2 | | | Ausgabe | 10.05.10 | lwerof0 | EHINGEN | | Zeich-Nr. | 3362-932.35.00.001-001 | | S1 |
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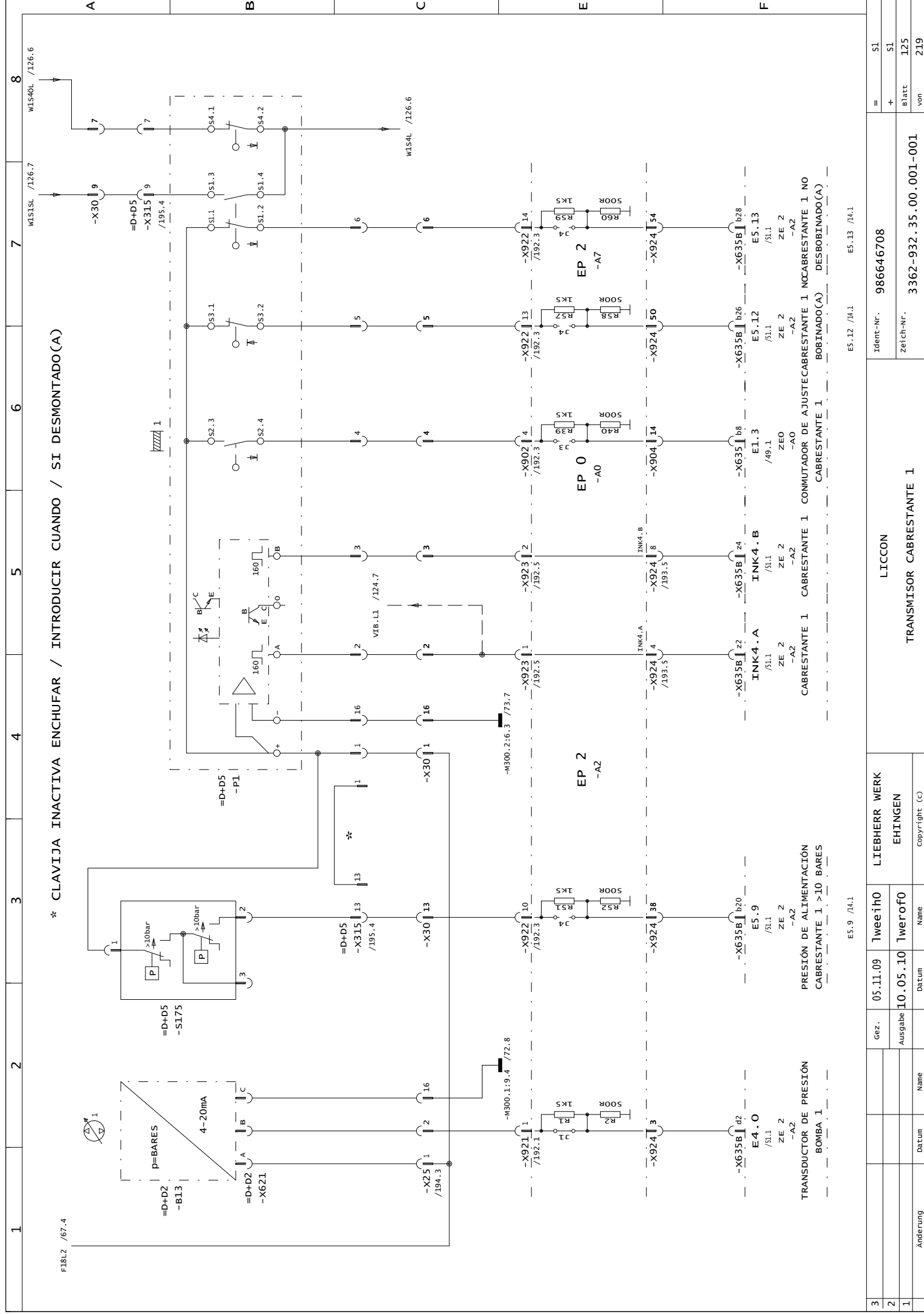
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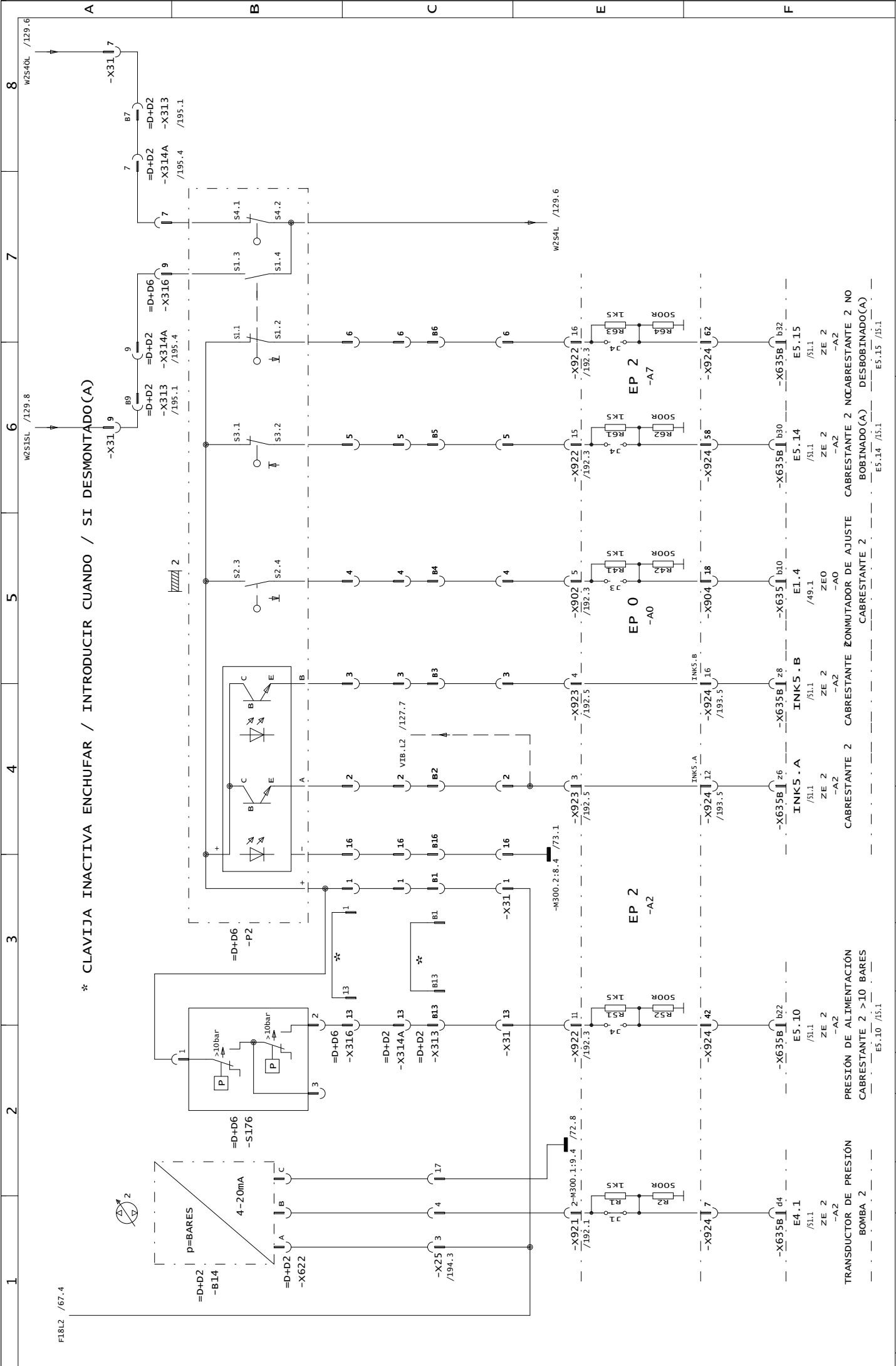
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| 3 | | | | Gez. | 05.11.09 | 1weeiho | LIEBHERR WERK INTERUPTOR | DE FIN DE CARRERA TRAMO TELESCÓPICO , ANEMÓMETRO TRAMO | Ident-Nr. TELESCÓPICO | = | 51 |
| 2 | | | | | | | | | 386646708 | + | 51 |
| 1 | | | | Ausgabe | 10.05.10 | 1werof0 | EHINGEN | TRANSDUCTOR ANGULAR TRAMO TELESCÓPICO | Zeich-Nr. 3362-932.35.00.001-001 | Blatt von | 118 219 |



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| 3 | | | | Gez. | 05.11.09 | 1 | LIEBHERR WERK EHINGEN | TRANSMISOR PLUMIN ABATTABLE LSB 3/4 | Ident-Nr. 986646708 | = sl |
| 2 | | | | Ausgabe | 10.05.10 | 2 | | | | |
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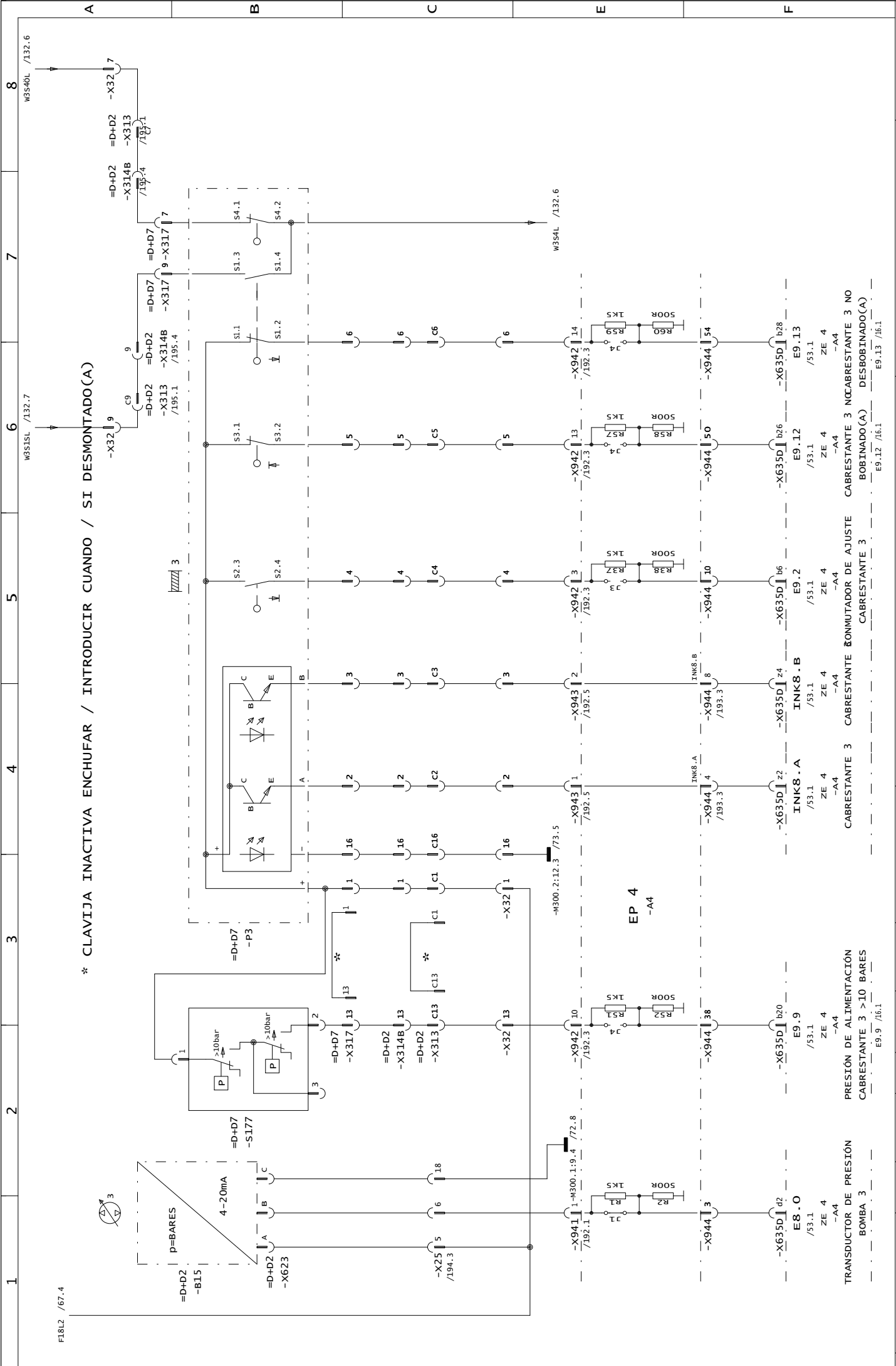


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| 3 | | | | Gez. | 05.11.09 | 1weeiho | LIEBHERR WERK | LICCON | Ident.-Nr. | 986646708 | = | S1 |
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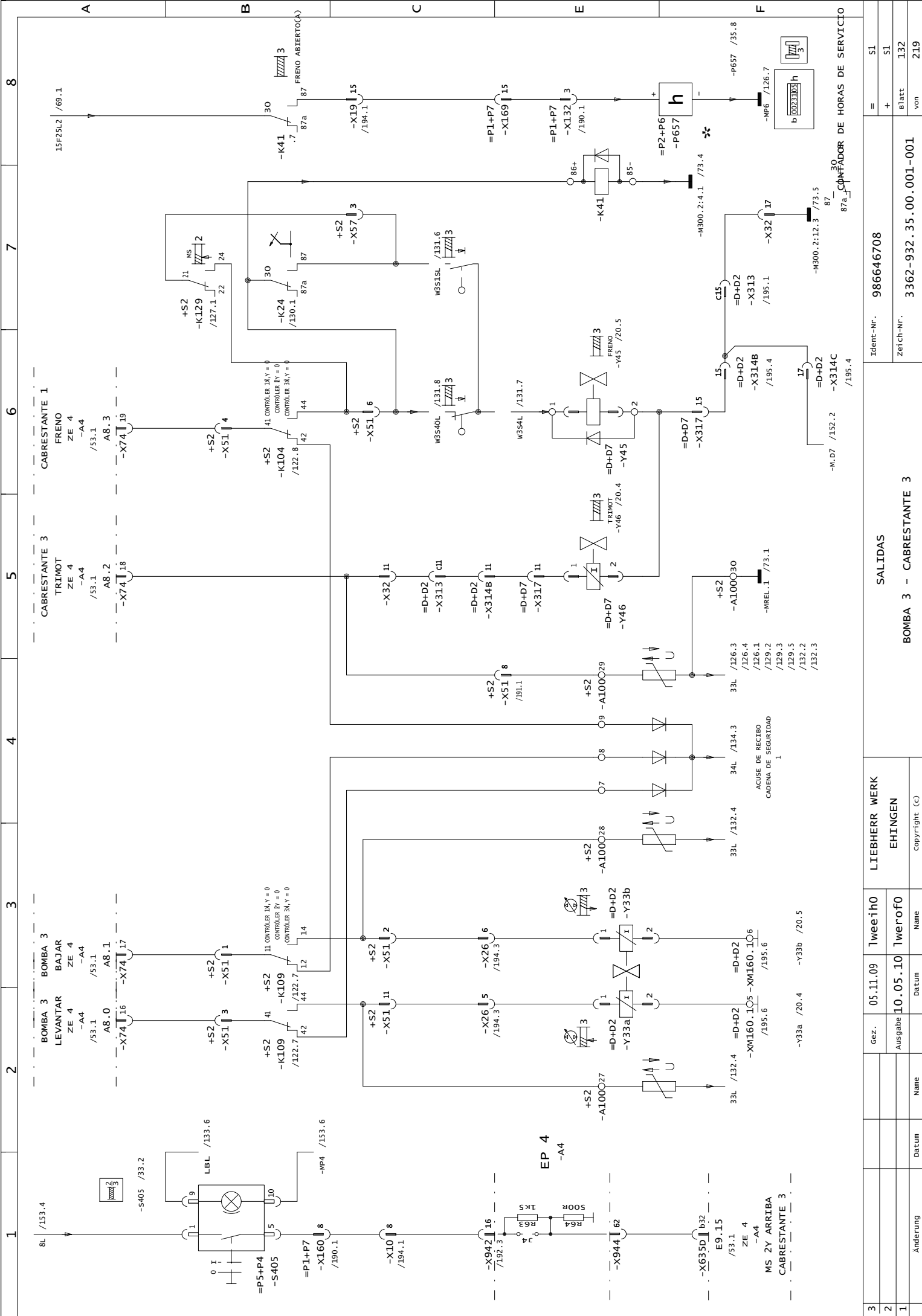
* CLAVIJA INACTIVA ENCHUFAR / INTRODUCIR CUANDO / SI DESMONTADO(A)

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| 3 | Gez. | 05.11.09 | LIEBHERR WERK | LICCON | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | EHINGEN | TRANSMISOR CABRESTANTE 2 | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
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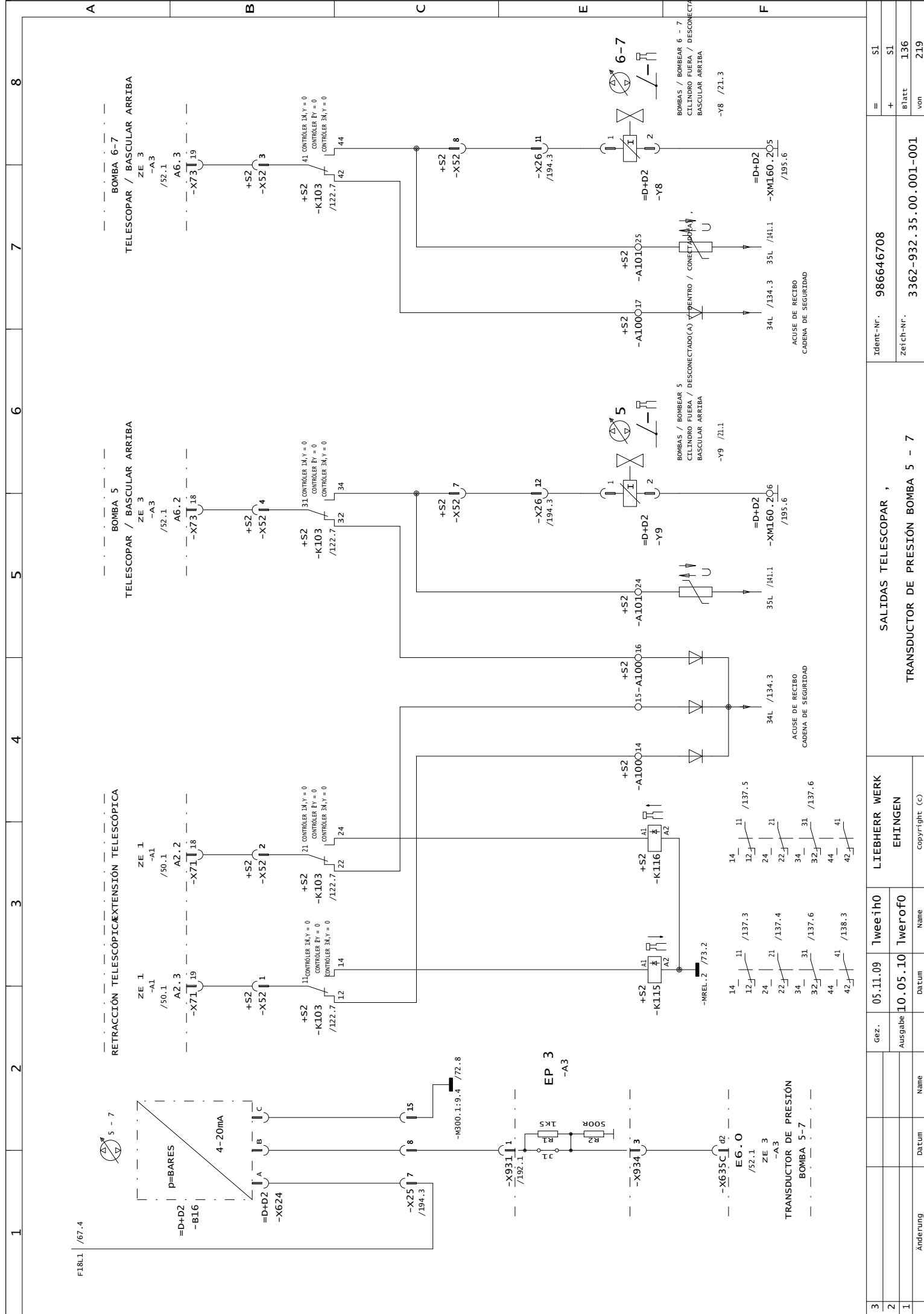


* CLAVIJA INACTIVA ENCHUFAR / INTRODUCIR CUANDO / SI DESMONTADO(A)

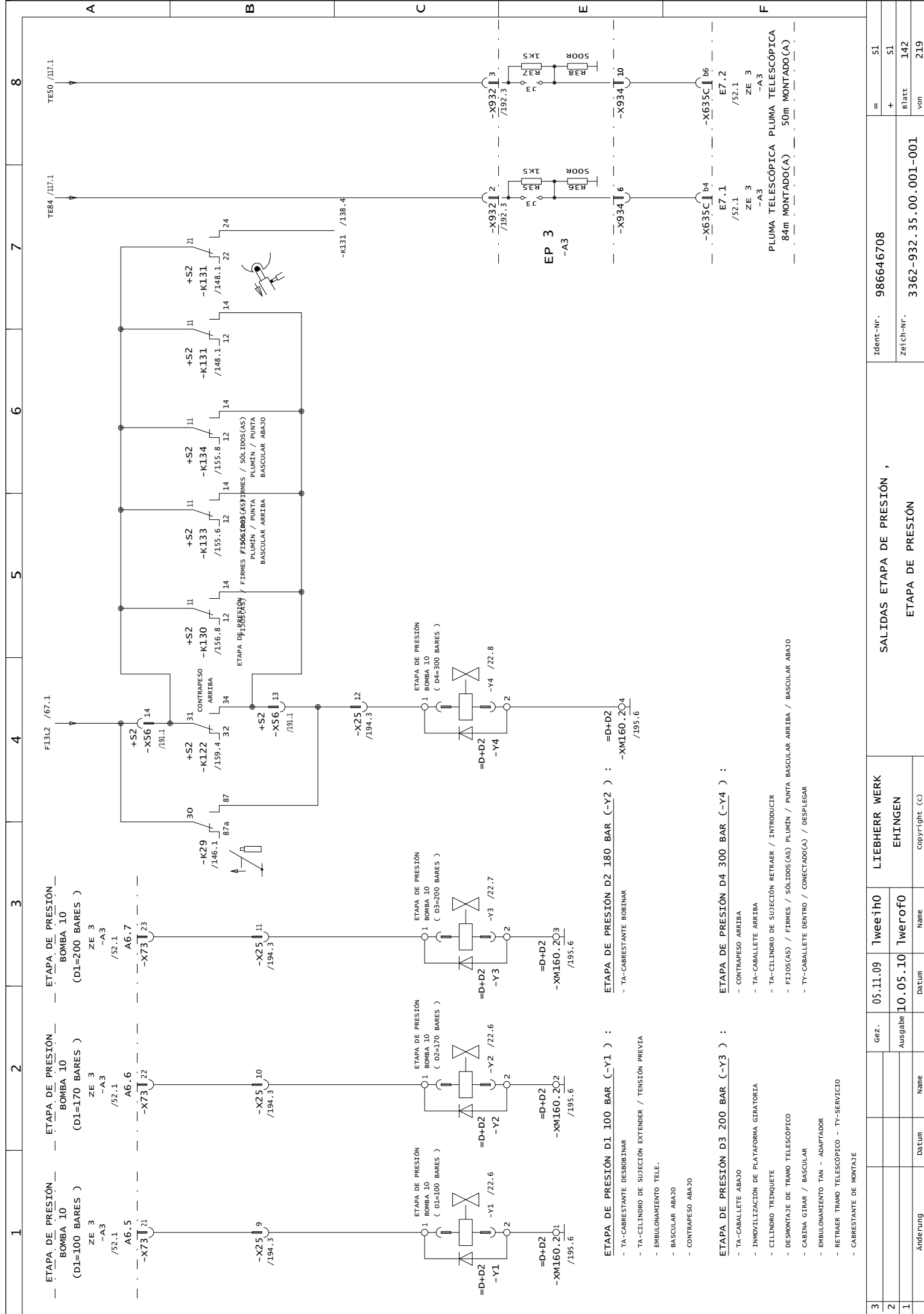
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| 3 | Gez. | 05.11.09 | LIEBHERR WERK | LICCON | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | EHINGEN | TRANSMISOR CABRESTANTE 3 | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Datum | | Name | Copyright (c) | | Blatt | 131 | | |
| | | | | | | von | 219 | | |



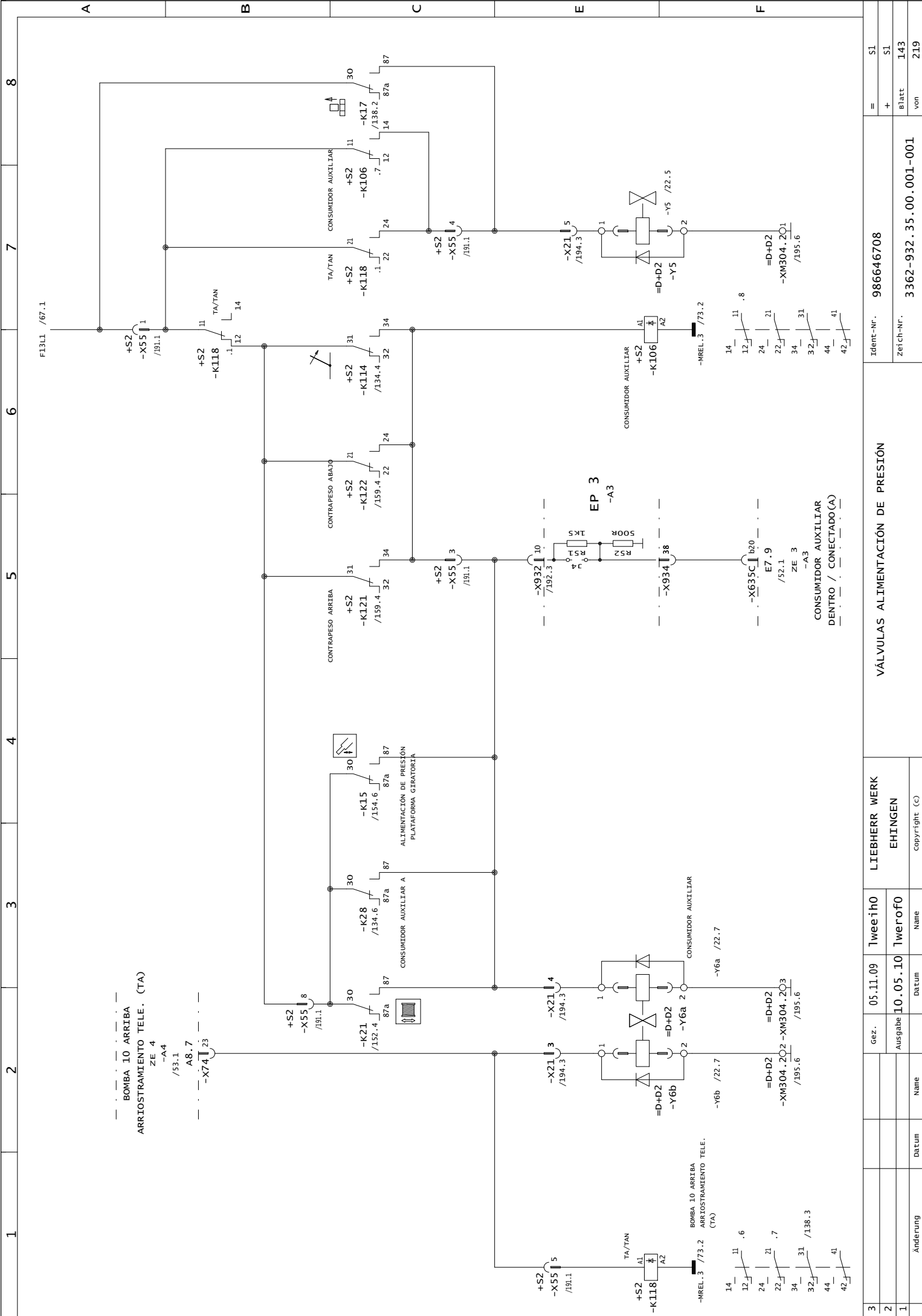
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| 3 | Gez. | 05.11.09 | lwee:ho | LIEBHERR WERK | SALIDAS | | | Ident-Nr. | 986646708 | = S1 | | |
| 2 | | | | EHINGEN | BOMBA 3 - CABRESTANTE 3 | | | Zeich-Nr. | 3362-932.35.00.001-001 | + S1 | | |
| 1 | Änderung | Name | Datum | Name | Datum | Name | Copyright (c) | | | Blatt 132 | | |
| | | | | | | | | | | von 219 | | |



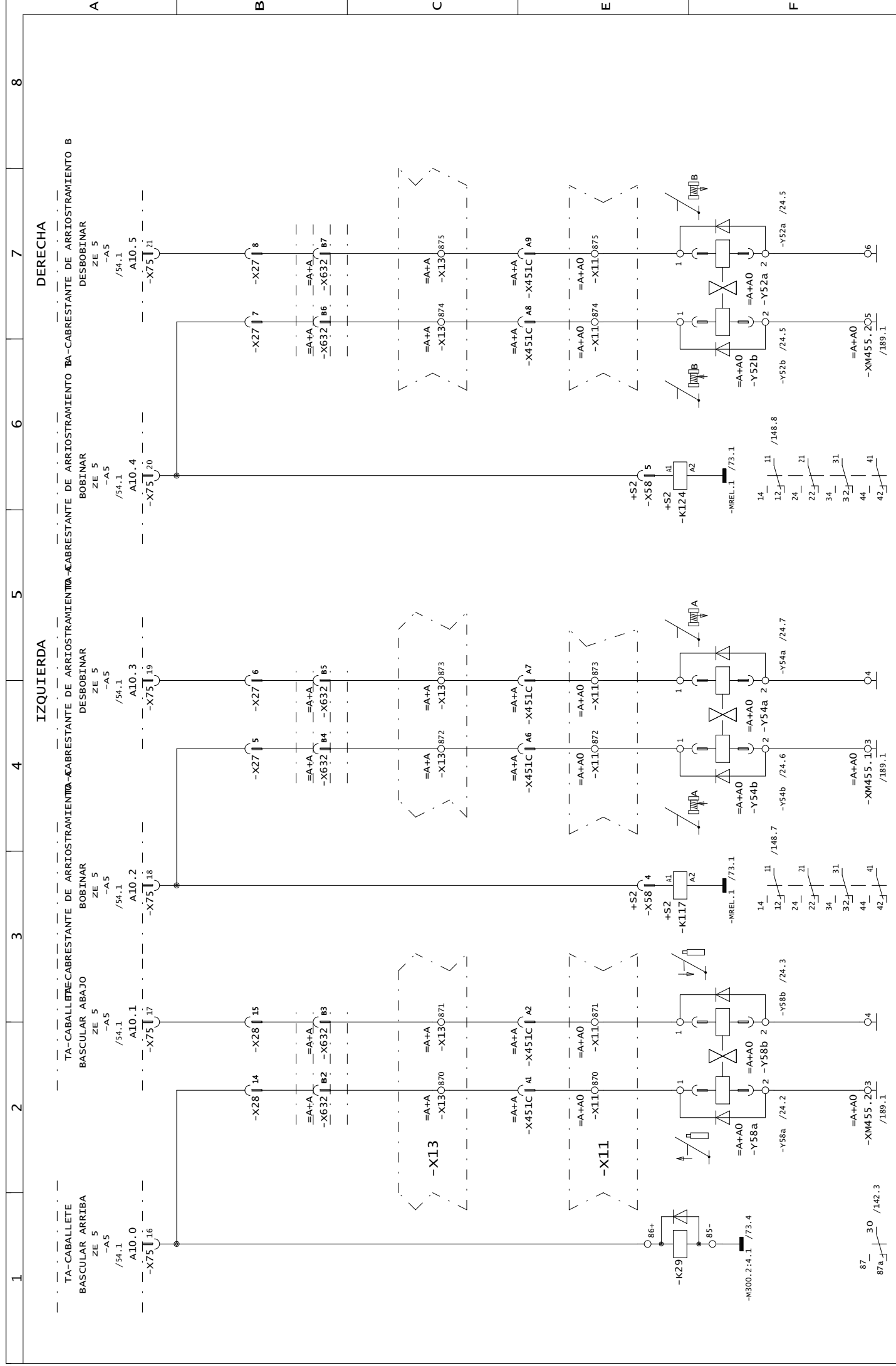
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| 3 | | | Gez. | 05.11.09 | LIEBHERR WERK Tweeinh0 | SALIDAS TELESCOPAR , TRANSDUCTOR DE PRESIÓN BOMBA 5 - 7 | Ident-Nr. 986646708 | = S1 |
| 2 | | | Ausgabe | 10.05.10 | EHINGEN Twerof0 | | | |
| 1 | Änderung | Name | | Datum | Name Copyright (c) | | | |



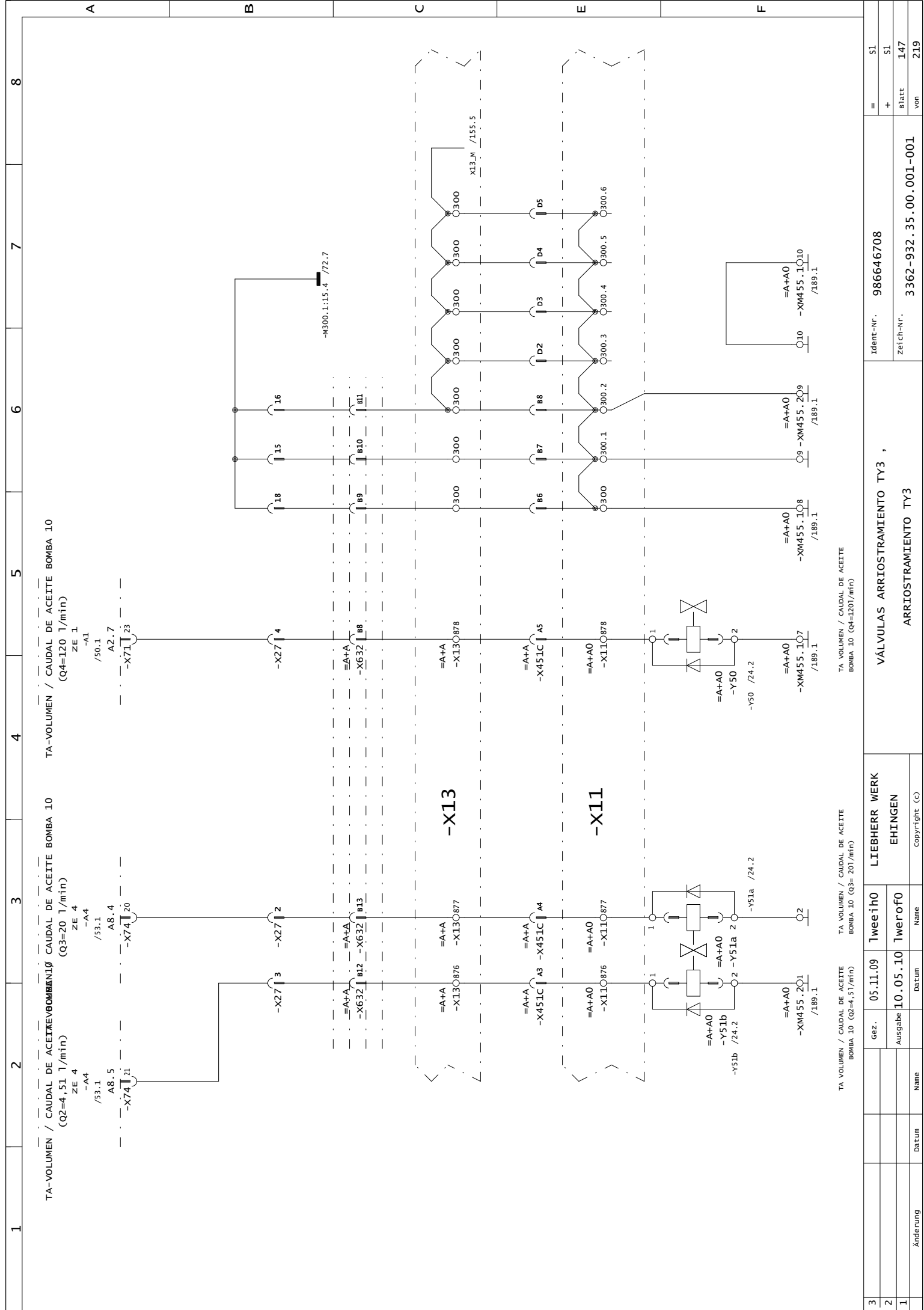
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| 3 | | | Gez. | 05.11.09 | LIEBHERR WERK Tweeinh0 | SALIDAS ETAPA DE PRESIÓN , | Ident-Nr. 986646708 | = | S1 | | |
| 2 | | | | | | | | | | + | S1 |
| 1 | | | Ausgabe | 10.05.10 | EHINGEN Twerof0 | | | ETAPA DE PRESIÓN | Zeich-Nr. 3362-932 35.00.001-001 | Blatt | 142 |
| | Änderung | Datum | Name | Datum | Name | Copyright (c) | | von | 219 | | |



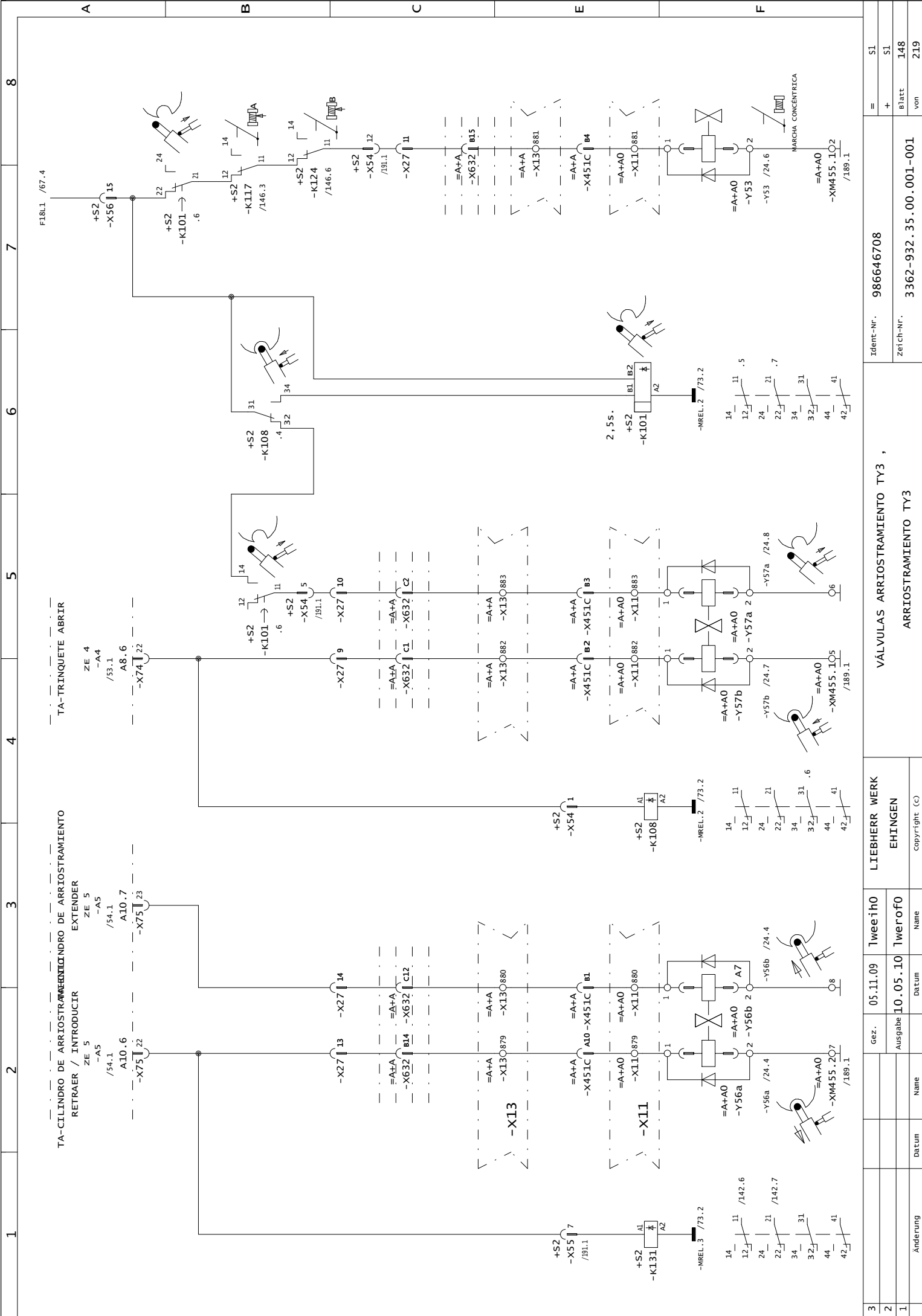
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| 3 | | | Gez. | 05.11.09 | Zeichn | LIEBHERR WERK | VÁLVULAS ALIMENTACIÓN DE PRESIÓN | | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | | | | EHINGEN | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | | | | | | | | | | Blatt | 143 | von | 219 |



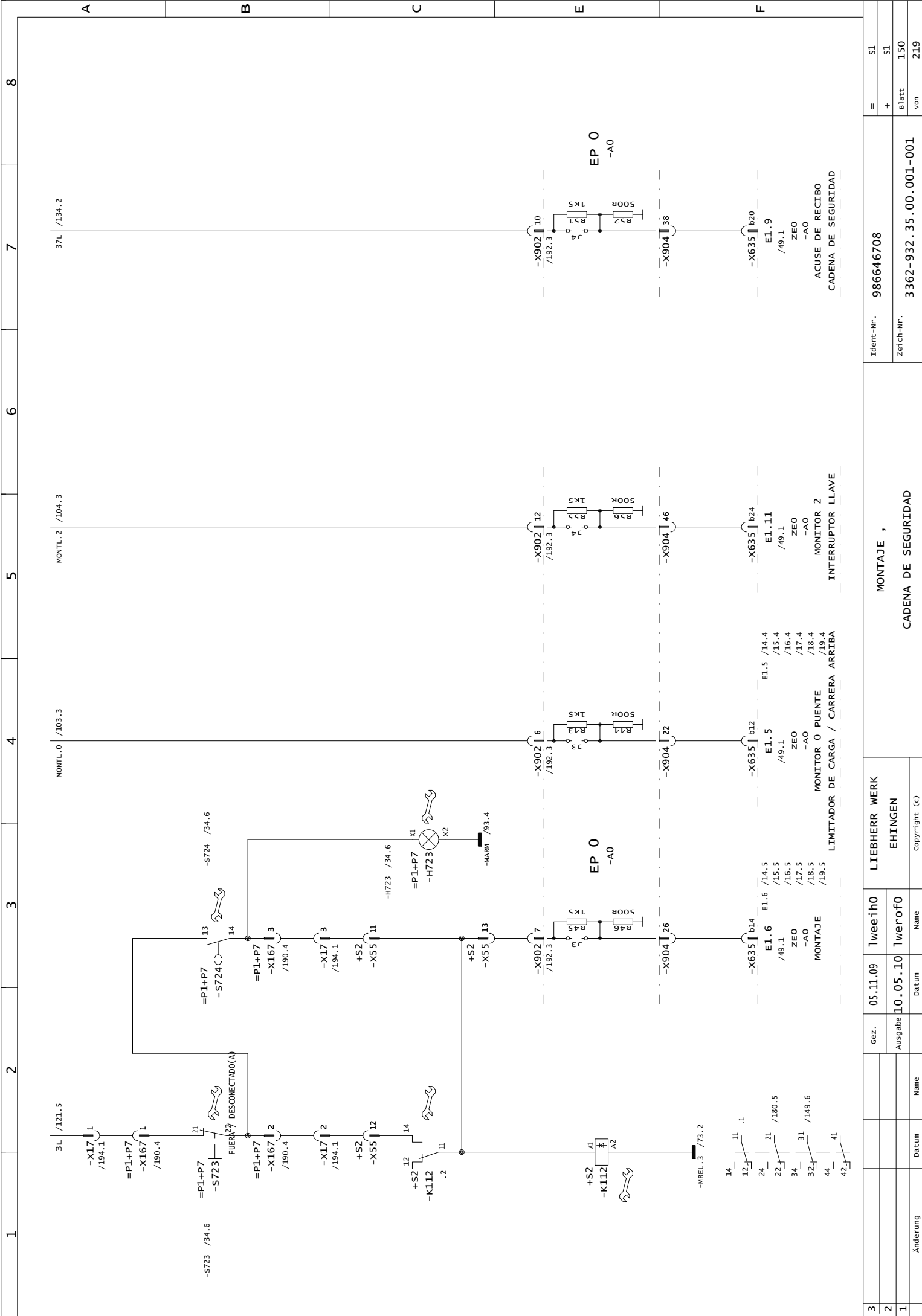
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| 3 | | | | Gez. | 05.11.09 | 1weeiho | LIEBHERR WERK EHINGEN | | VÁLVULAS ARRIOSTRAMIENTO TY3 , ARRIOSTRAMIENTO TY3 | Ident.-Nr. | 986646708 | = | S1 |
| 2 | | | | Ausgabe | 10.05.10 | 1werof0 | | | | | | + | S1 |
| 1 | Änderung | Datum | Name | | | | | | | Zeich.-Nr. | 3362-932.35.00.001-001 | Blatt | 146 |
| | | | | | | | | | | | | von | 219 |



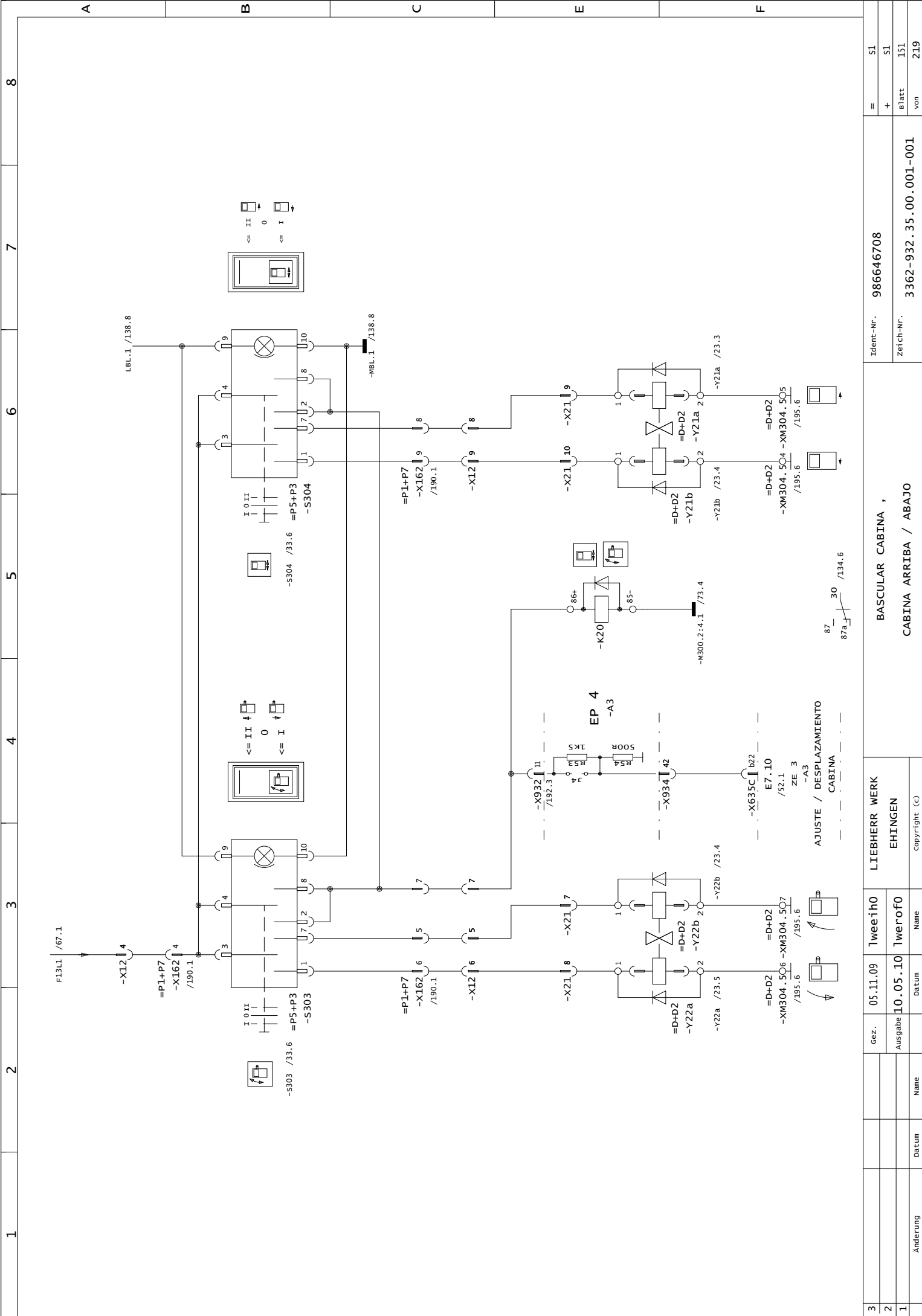
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| 3 | | | | | gez. | 05.11.09 | Tweeih0 | LIEBHERR WERK EHINGEN | VÁLVULAS ARRIOSTRAMIENTO TY3 , ARRIOSTRAMIENTO TY3 | Ident-Nr. 986646708 | = S1 |
| 2 | | | | | | | | | | | |
| 1 | | | | | Ausgabe | 10.05.10 | Twerofo | | | | |
| | Änderung | Datum | Name | | | Datum | Name | Copyright (c) | | Zeich-Nr. 3362-932.35.00.001-001 | Blatt 147 von 219 |



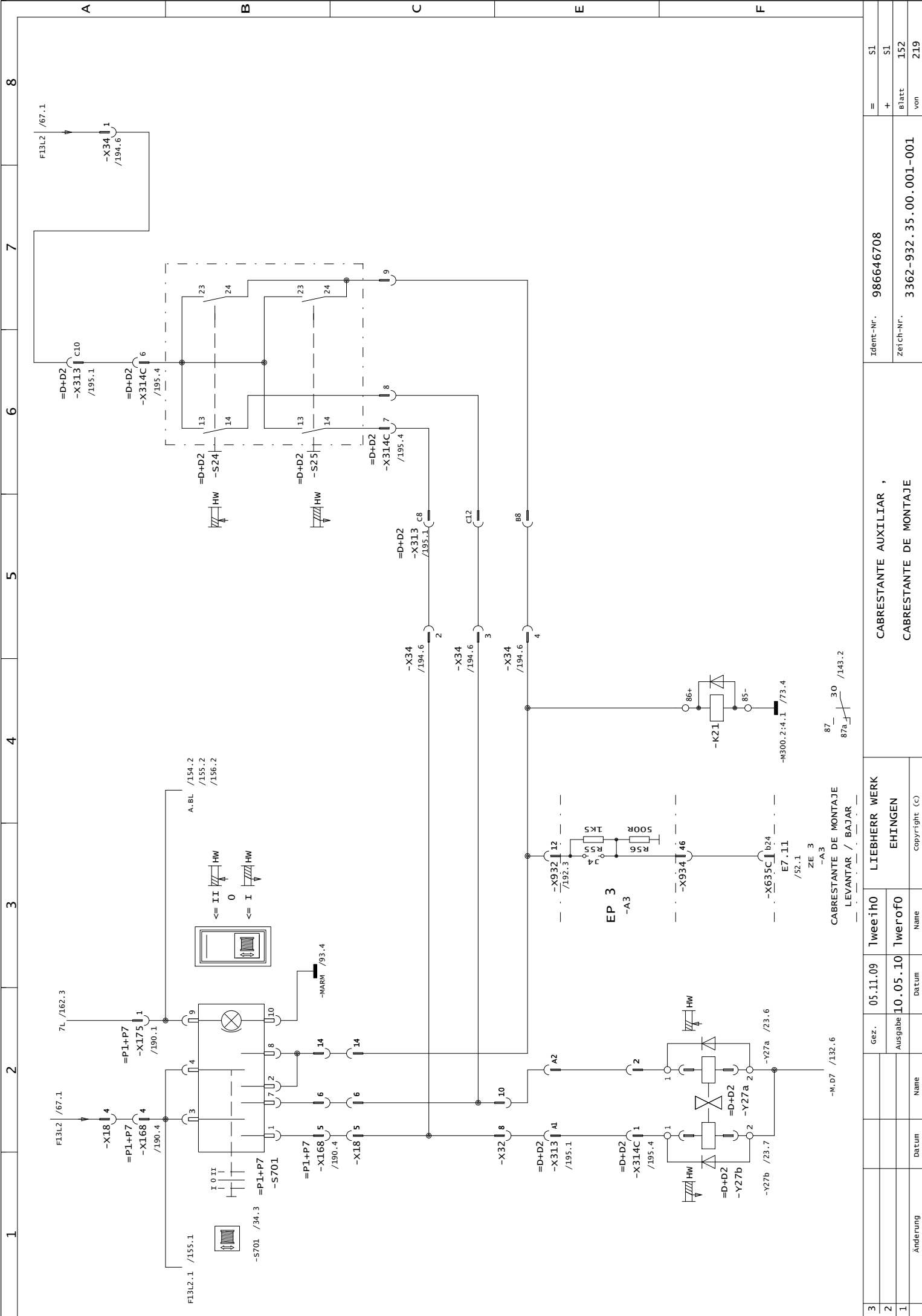
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| 3 | | | Gez. | 05.11.09 | lwee:ho | LIEBHERR WERK EHINGEN | VÁLVULAS ARRIOSTRAMIENTO TY3 , | | Ident-Nr. | 986646708 | = | | S1 |
| 2 | | | Ausgabe | 10.05.10 | lwe:rofo | | ARRIOSTRAMIENTO TY3 | | Zeich-Nr. | 3362-932.35.00.001-001 | + | | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | von | | 219 |



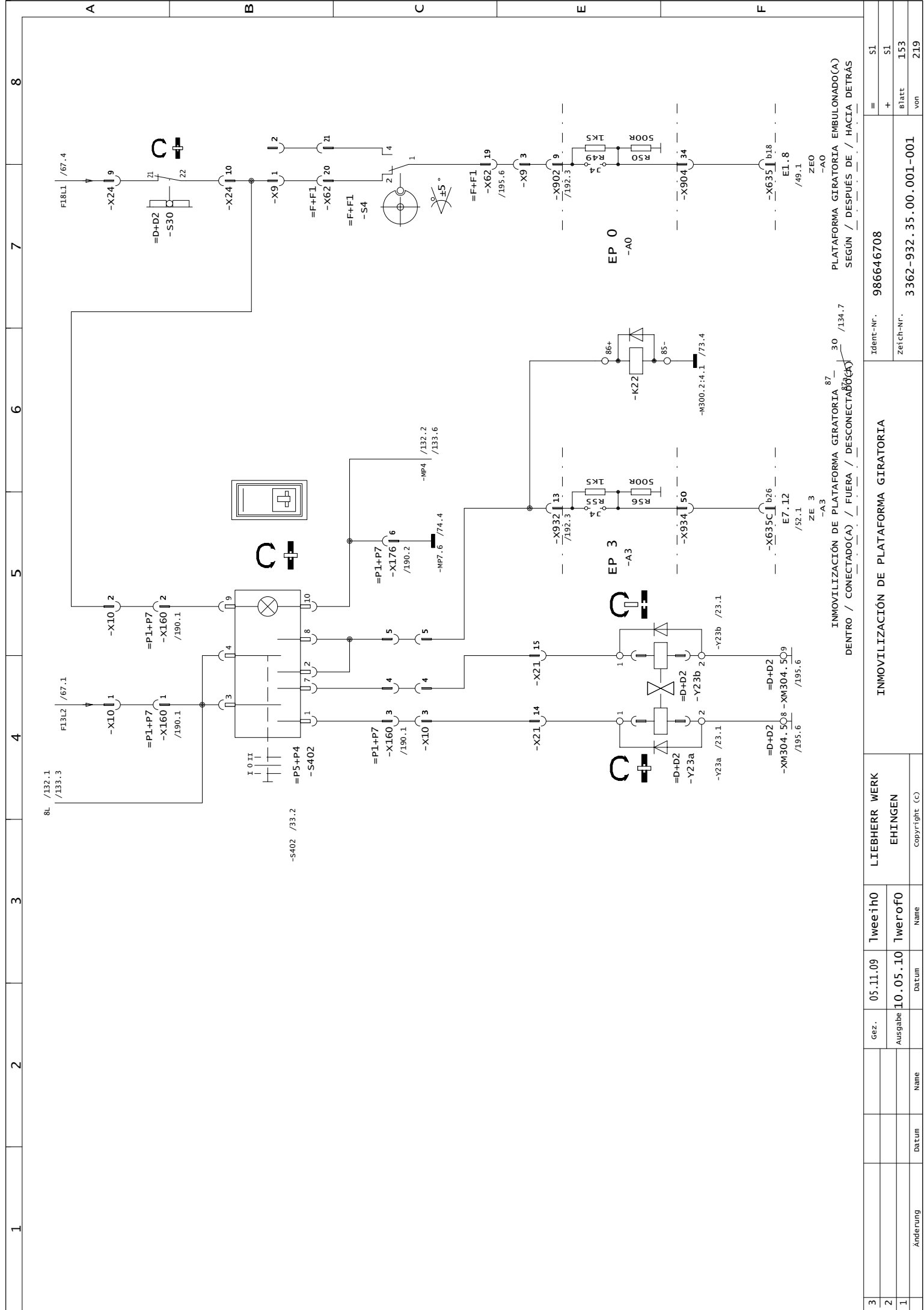
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| 3 | Gez. | 05.11.09 | Liebherr | LIEBHERR WERK | MONTAJE , CADENA DE SEGURIDAD | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | Liebherr | EHINGEN | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Copyright (c) | | Blatt | 150 | von | 219 |



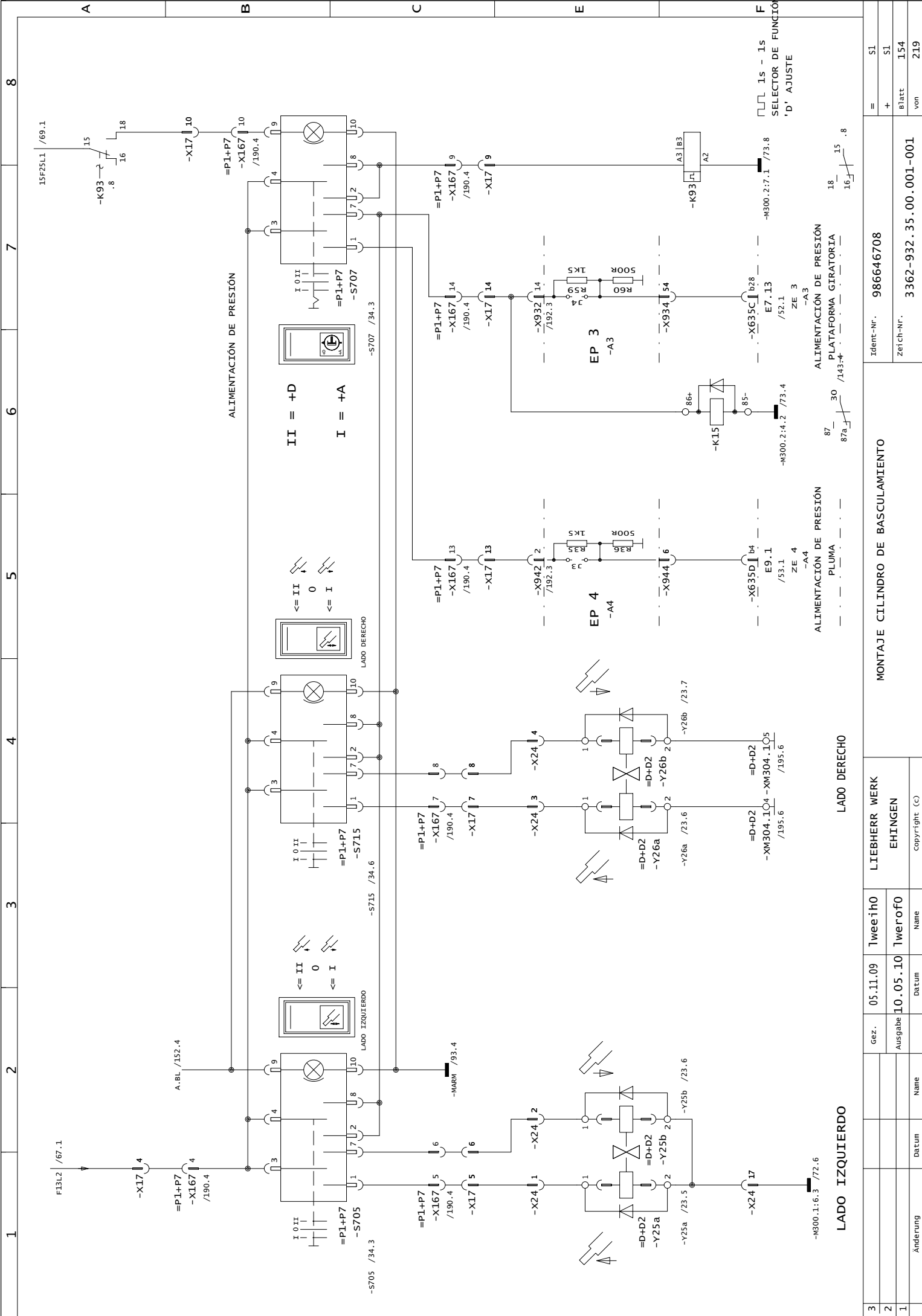
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| 3 | Gez. | 05.11.09 | lwee:ho | LIEBHERR WERK | BASCULAR CABINA , CABINA ARRIBA / ABAJO | Ident-Nr. 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | lwerof0 | EHINGEN | | | | |
| 1 | Änderung | Datum | Name | Copyright (c) | | | | |
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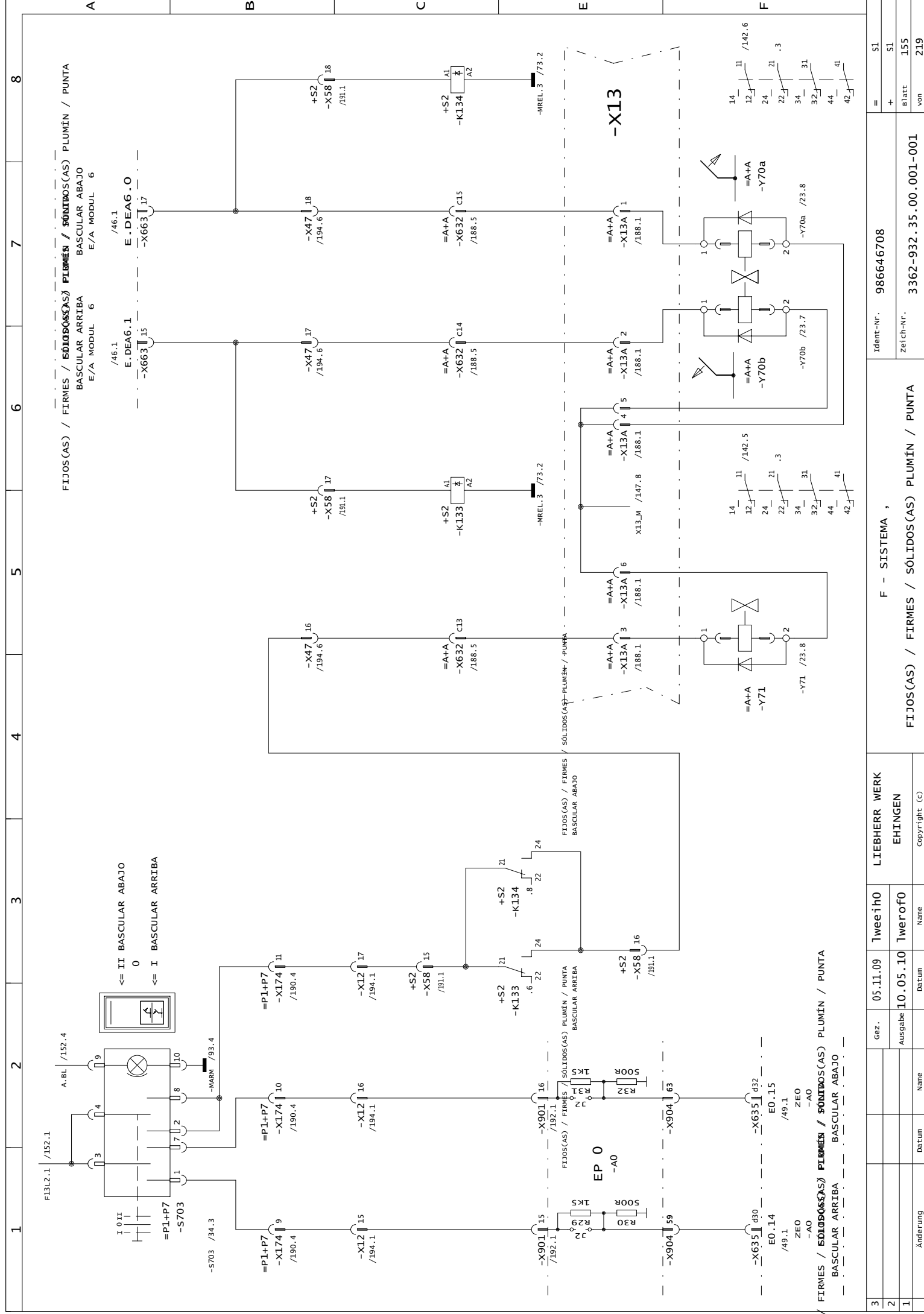
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| 3 | | Gez. | 05.11.09 | 1wee:ho | LIEBHERR WERK | | CABRESTANTE AUXILIAR , CABRESTANTE DE MONTAJE | Ident-Nr. | 986646708 | = | S1 | |
| 2 | | | | | | | | | | | Blatt | 152 |
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| | Änderung | Datum | Name | | | | | Zeich-Nr. | 3362-932.35.00.001-001 | | | |



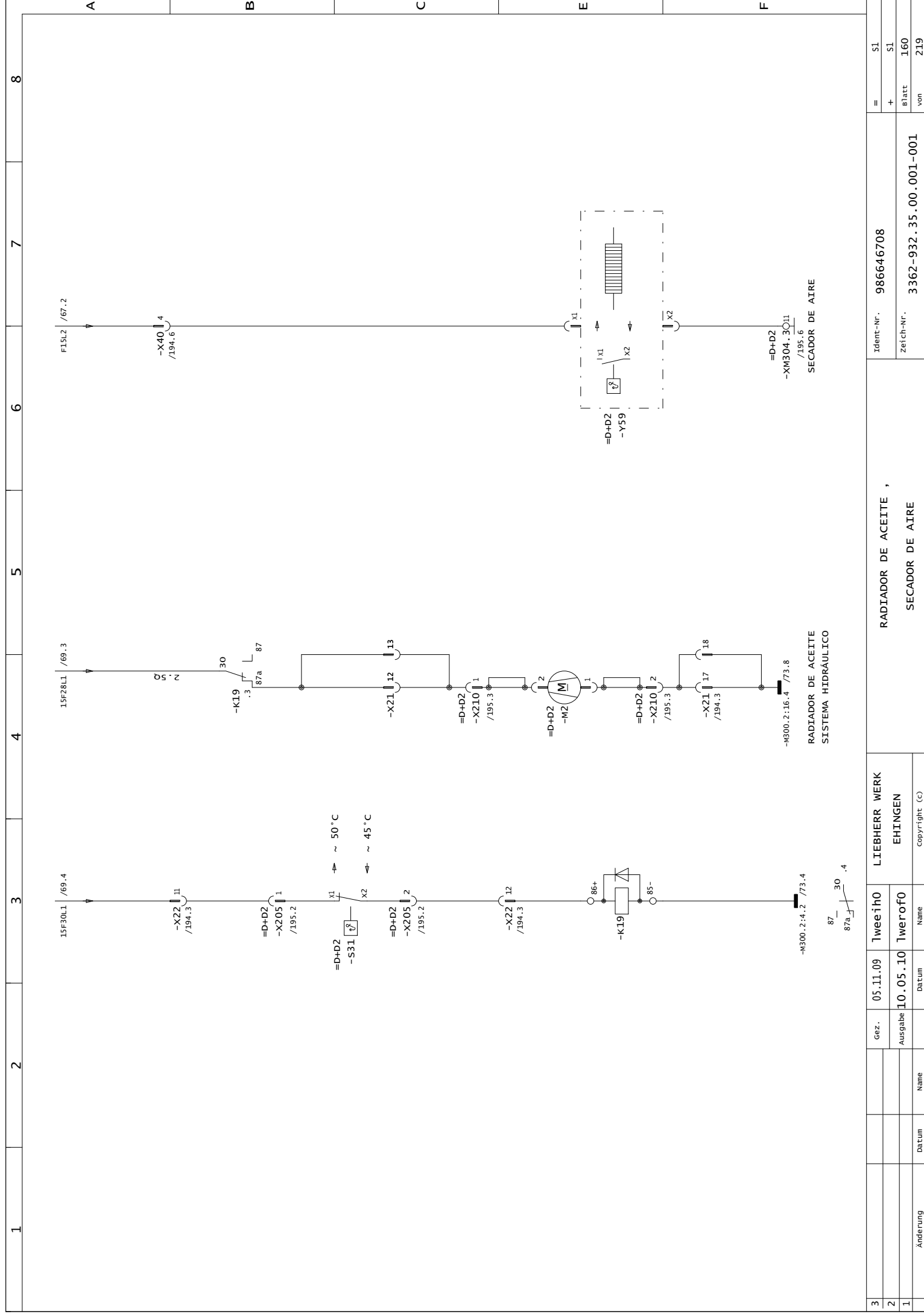
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| 2 | | | | Ausgabe | 10.05.10 | Twerofo | | | |
| 1 | | | | | | | | Zeich-Nr. 3362-932.35.00.001-001 | + S1 |
| | Änderung | Datum | Name | | | Name | Copyright (c) | | Blatt 153 von 219 |



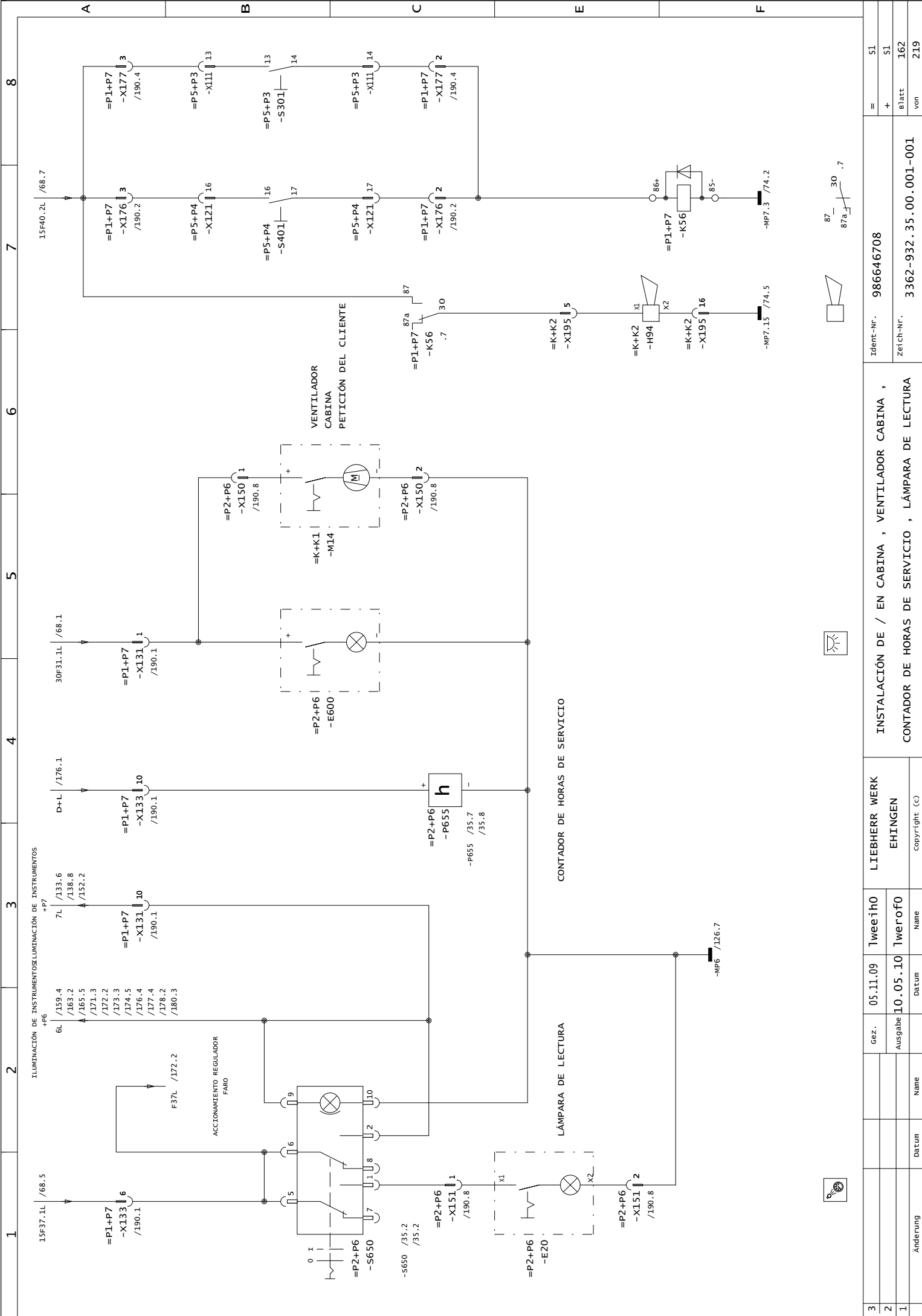
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| 3 | | Gez. | 05.11.09 | Liebherr | LIEBHERR WERK | | MONTAJE CILINDRO DE BASCULAMIENTO | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | Ausgabe | 10.05.10 | Liebherr | EHINGEN | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | Blatt | 154 | von | 219 |



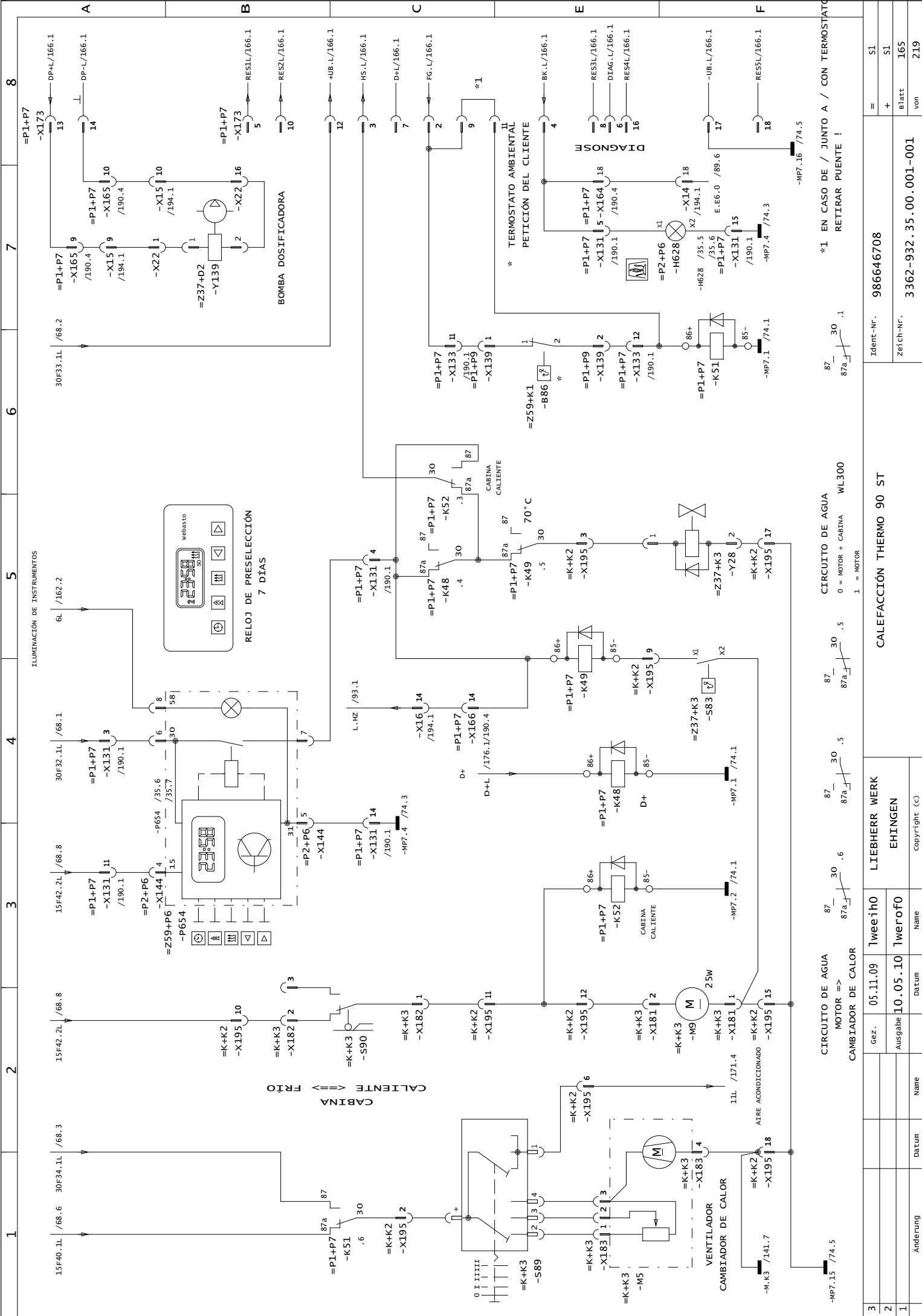
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| 3 | | | | Gez. | 05.11.09 | 1weeiho | LIEBHERR WERK EHINGEN | F - SISTEMA , FIJOS(AS) / FIRMES / SÓLIDOS(AS) PLUMÍN / PUNTA | Ident.-Nr. 986646708 | = S1 |
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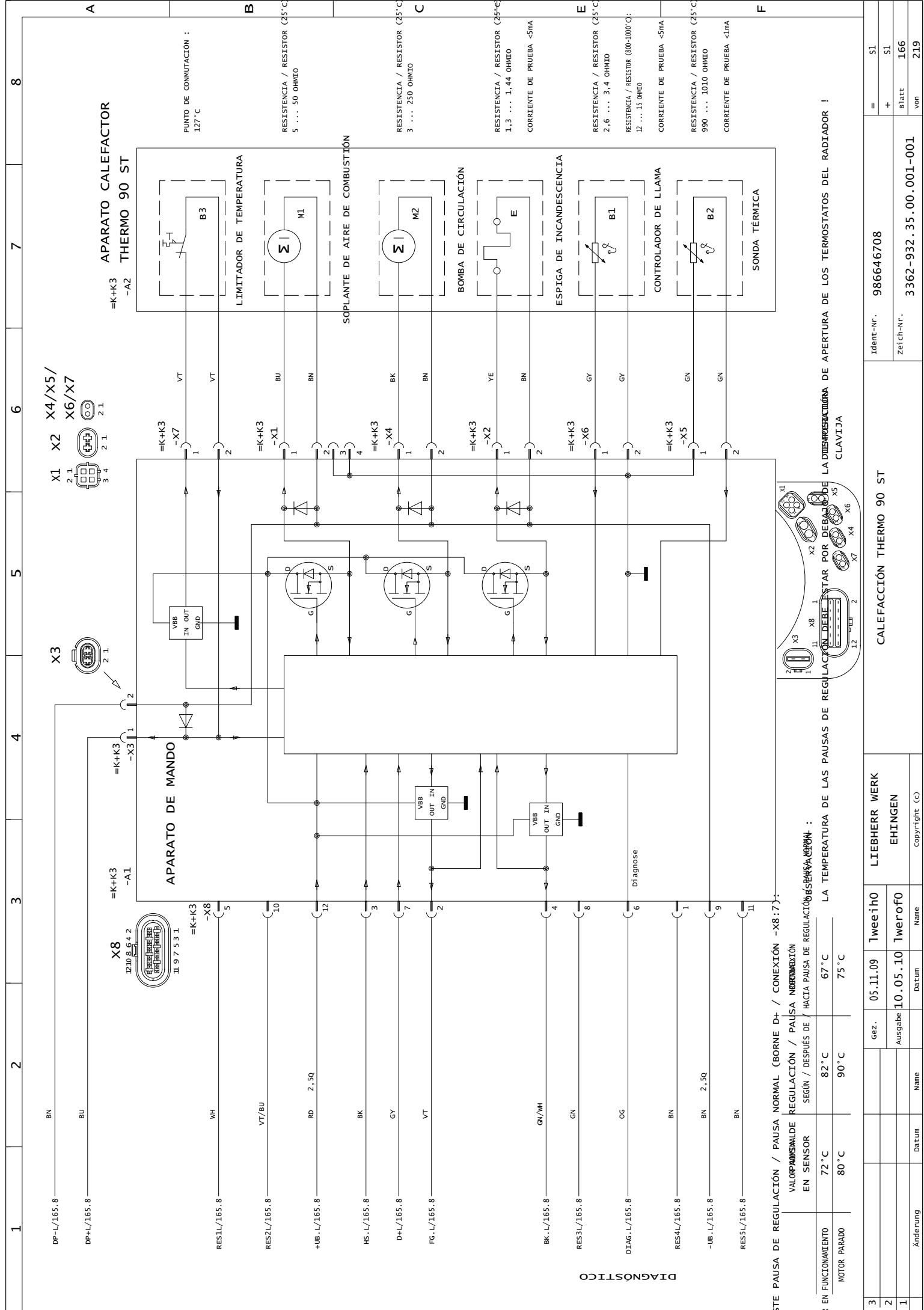
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| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | RADIADOR DE ACEITE , | Ident.-Nr. 986646708 | = | S1 | | |
| 2 | | | | Ausgabe | 10.05.10 | EHINGEN | | | SECADOR DE AIRE | Zeich.-Nr. 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | | | | | | | | Blatt 160 | von 219 |



| | | | | | | | | | | | | | |
|---|----------|-------|---------|----------|---------|--------------------------|--|--|--|-----------|------------------------|-------|-----|
| 3 | | | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK EHINGEN | | INSTALACIÓN DE / EN CABINA , VENTILADOR CABINA , CONTADOR DE HORAS DE SERVICIO , LÁMPARA DE LECTURA | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | Ausgabe | 10.05.10 | 1werof0 | | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | | | Blatt | 162 |
| | | | | | | | | | | | | von | 219 |



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|---|----------|----------|---------|---------------|--------------------------|--|--|-----------|------------------------|-----------|--|--|
| 3 | Gez. | 05.11.09 | 1wee:ho | LIEBHERR WERK | CALEFACCIÓN THERMO 90 ST | | | Ident-Nr. | 986646708 | = S1 | | |
| 2 | Ausgabe | 10.05.10 | 1werof0 | EHINGEN | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + S1 | | |
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| | Änderung | Datum | Name | Datum | | | | | | von 219 | | |



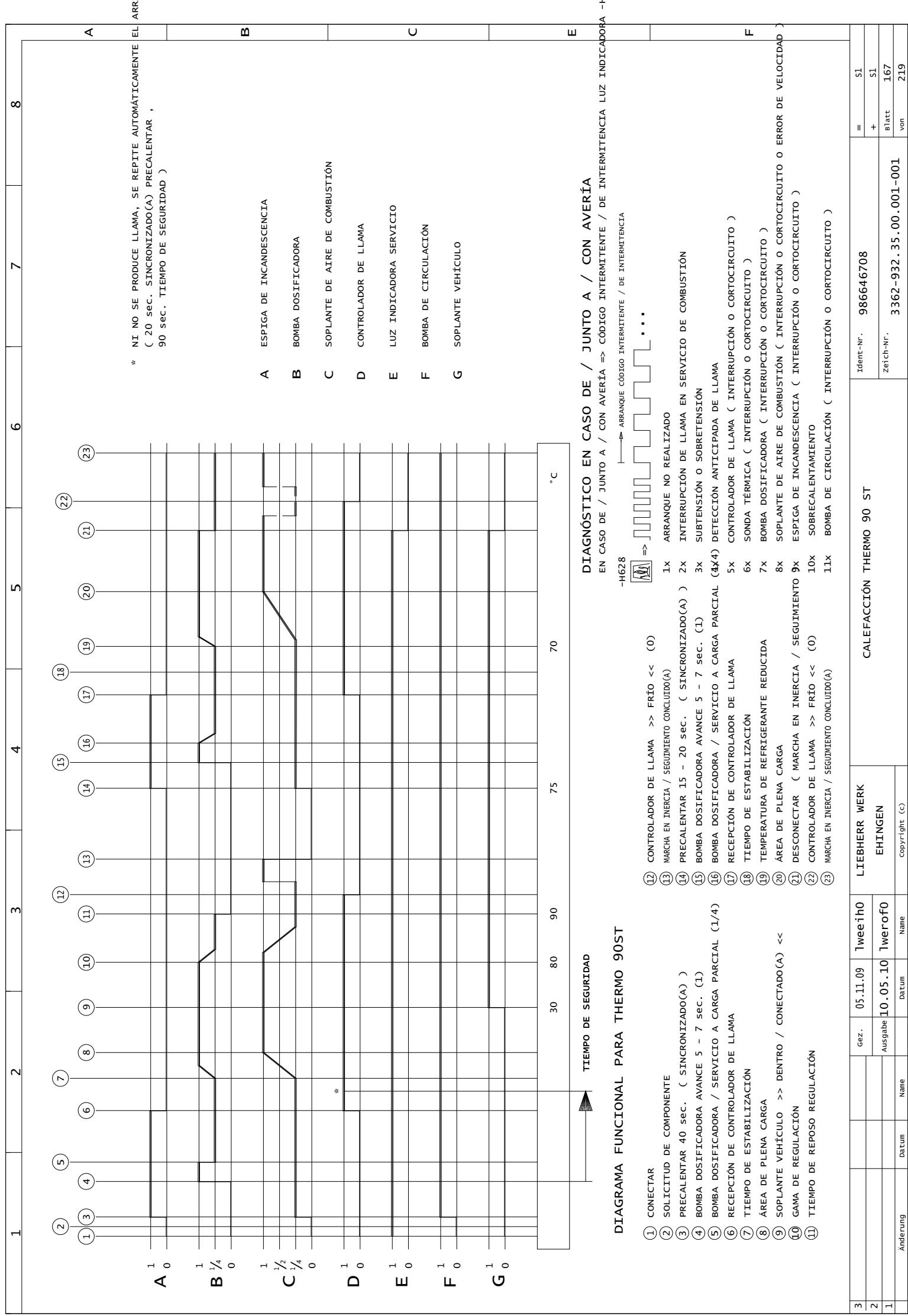
ajuste pausa de regulación / pausa normal (borne D+ / conexión -X8:7)-

| VALOR PROMEDIAL DE | REGULACIÓN / PAUSA NORMALIZACIÓN |
|--------------------|----------------------------------|
| 1 | 1 |
| 2 | 2 |
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| 93 | 93 |
| 94 | 94 |
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| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

| EN SENSOR | SEGÚN / DESPUÉS DE / HACIA PAUSA DE REGULACIÓN | SEPARA NORMAL : |
|-----------|--|-----------------|
| | | |

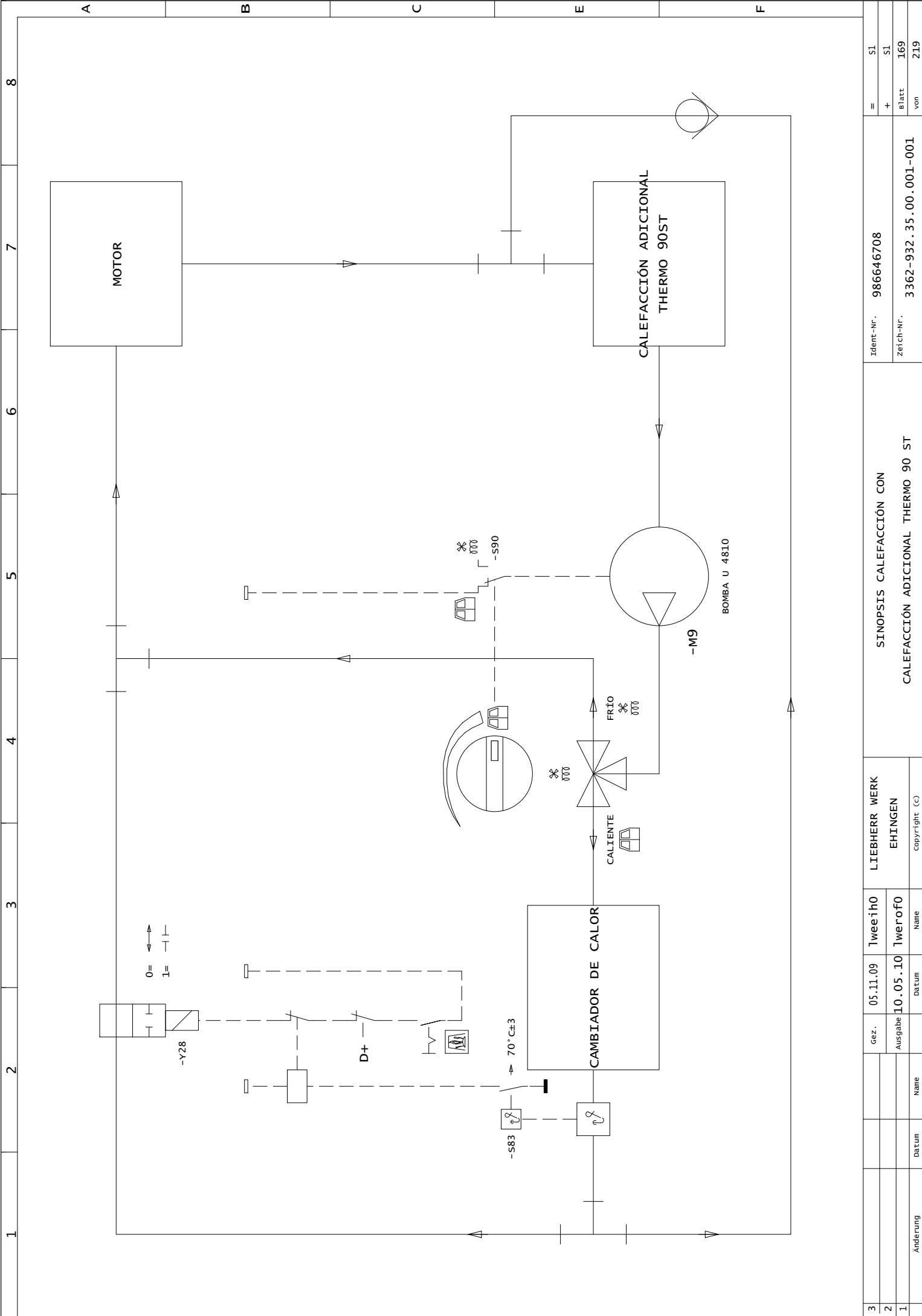
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|-------------------|-------|-------|-------|
| EN FUNCIONAMIENTO | 72 °C | 82 °C | 67 °C |
|-------------------|-------|-------|-------|

| | | | | | | | | | | | | |
|---|----------|-------|------|---------|----------|---------------|--------------------------|-----------|------------------------|---------|----|--------------|
| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | CALEFACCIÓN THERMO 90 ST | Ident-Nr. | 986646708 | = | S1 | |
| 2 | | | | Ausgabe | 10.05.10 | EHINGEN | | | | + S1 | | |
| 1 | | | | | | | | Zeich-Nr. | 3362-932.35.00.001-001 | | | Blatt von |
| | Änderung | Datum | Name | | | | Copyright (c) | | | | | |

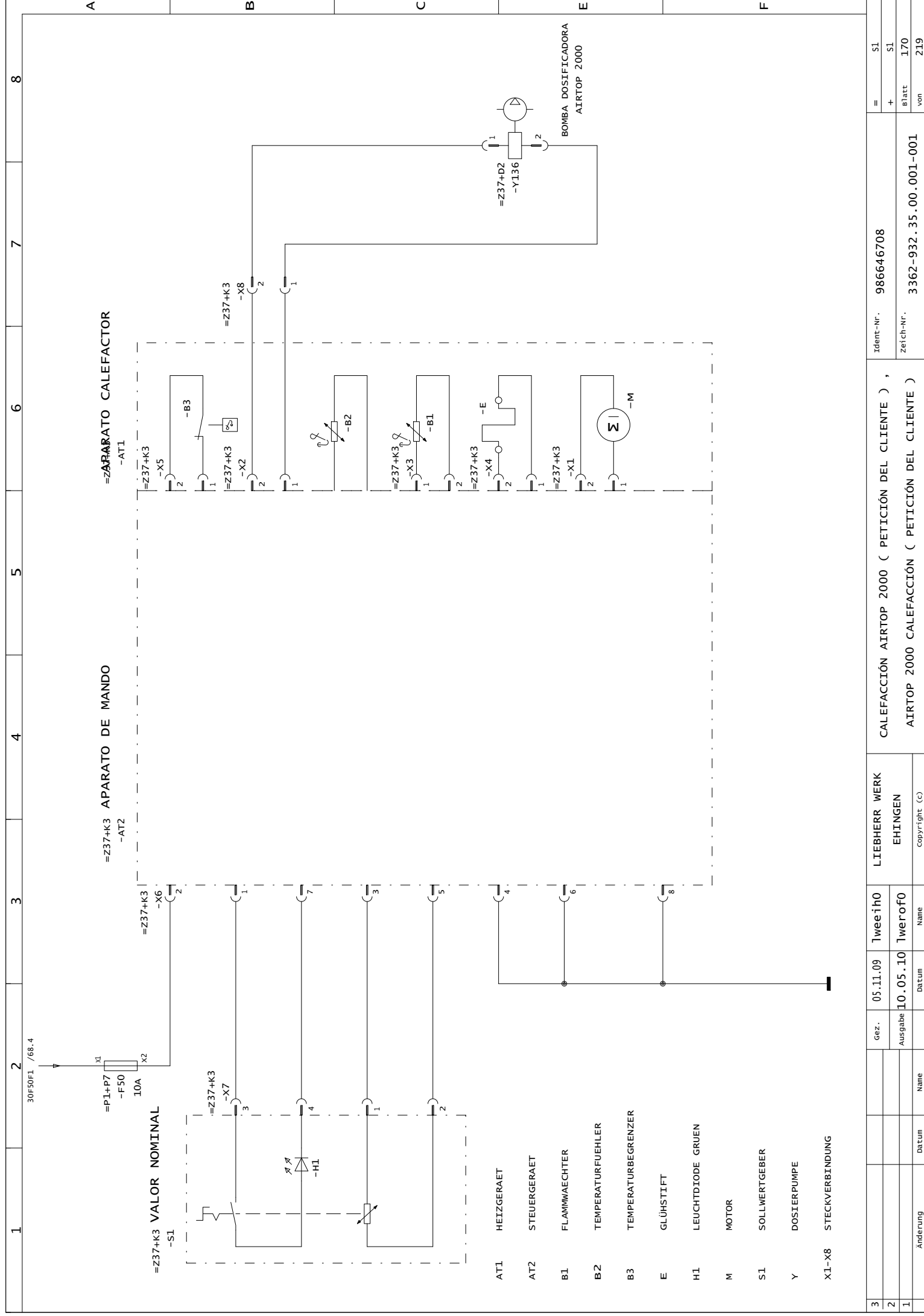


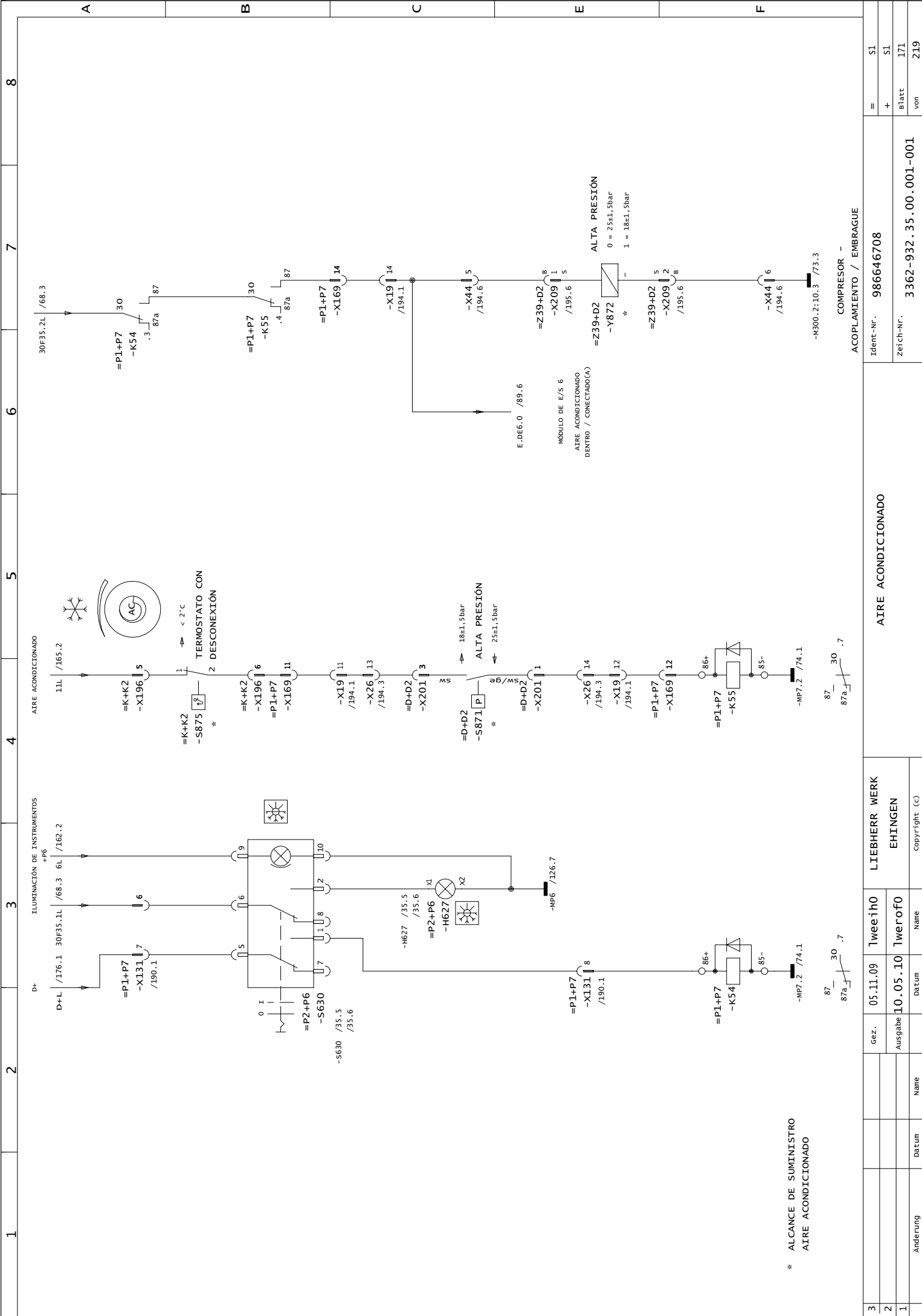
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| 3 | | | | | Gez. | 05.11.09 | LIEBHERR WERK | CALEFACCIÓN THERMO 90 ST | Ident.-Nr. | 986646708 | = | s1 |
| 2 | | | | | | | | | | | + | s1 |
| 1 | | | | | Ausgabe | 10.05.10 | EHINGEN | | Zeich.-Nr. | 3362-932.35.00.001-001 | Blatt | 167 |
| | Änderung | Datum | Name | | | Datum | Name | Copyright (c) | | von | 219 | |

[illegible]

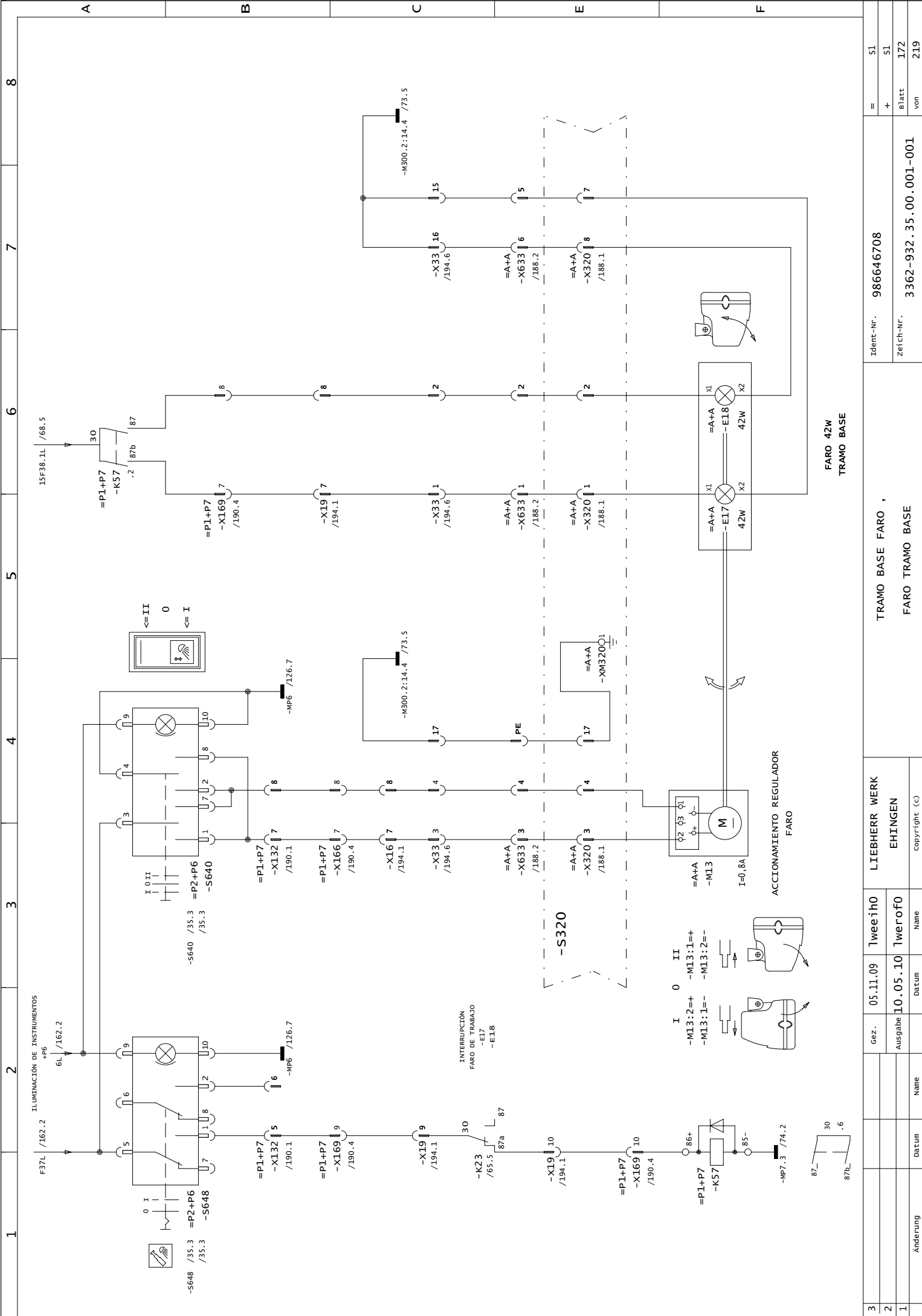


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| 3 | | | Gez. | 05.11.09 | 1weeih0 | LIEBHERR WERK EHINGEN | | SINOPSIS CALEFACCIÓN CON CALEFACCIÓN ADICIONAL THERMO 90 ST | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | Ausgabe | 10.05.10 | 1werof0 | | | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Änderung | Datum | Name | Datum | Name | Copyright (c) | | | | von | 169 | | 219 |

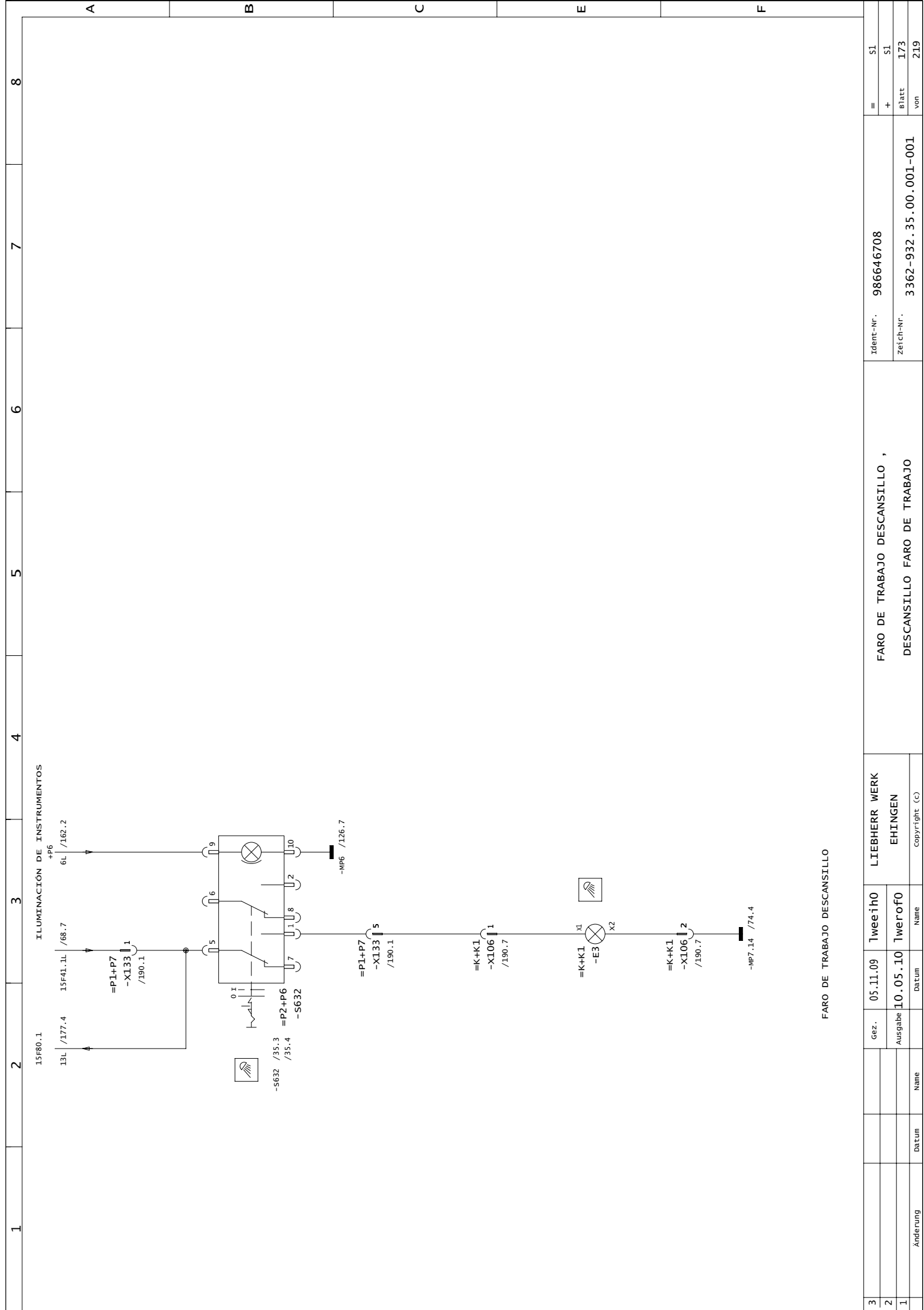




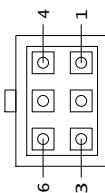
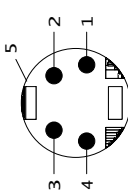
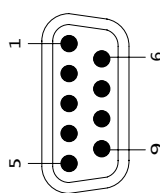
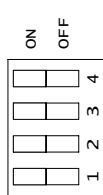
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| 3 | Gez. | 05.11.09 | LIEBHERR WERK | AIRE ACONDICIONADO | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | EHINGEN | | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | | | | | | | | Blatt | 171 |
| | Änderung | Datum | Name | | | | | von | 219 |
| | | | | | | Copyright (c) | | | |

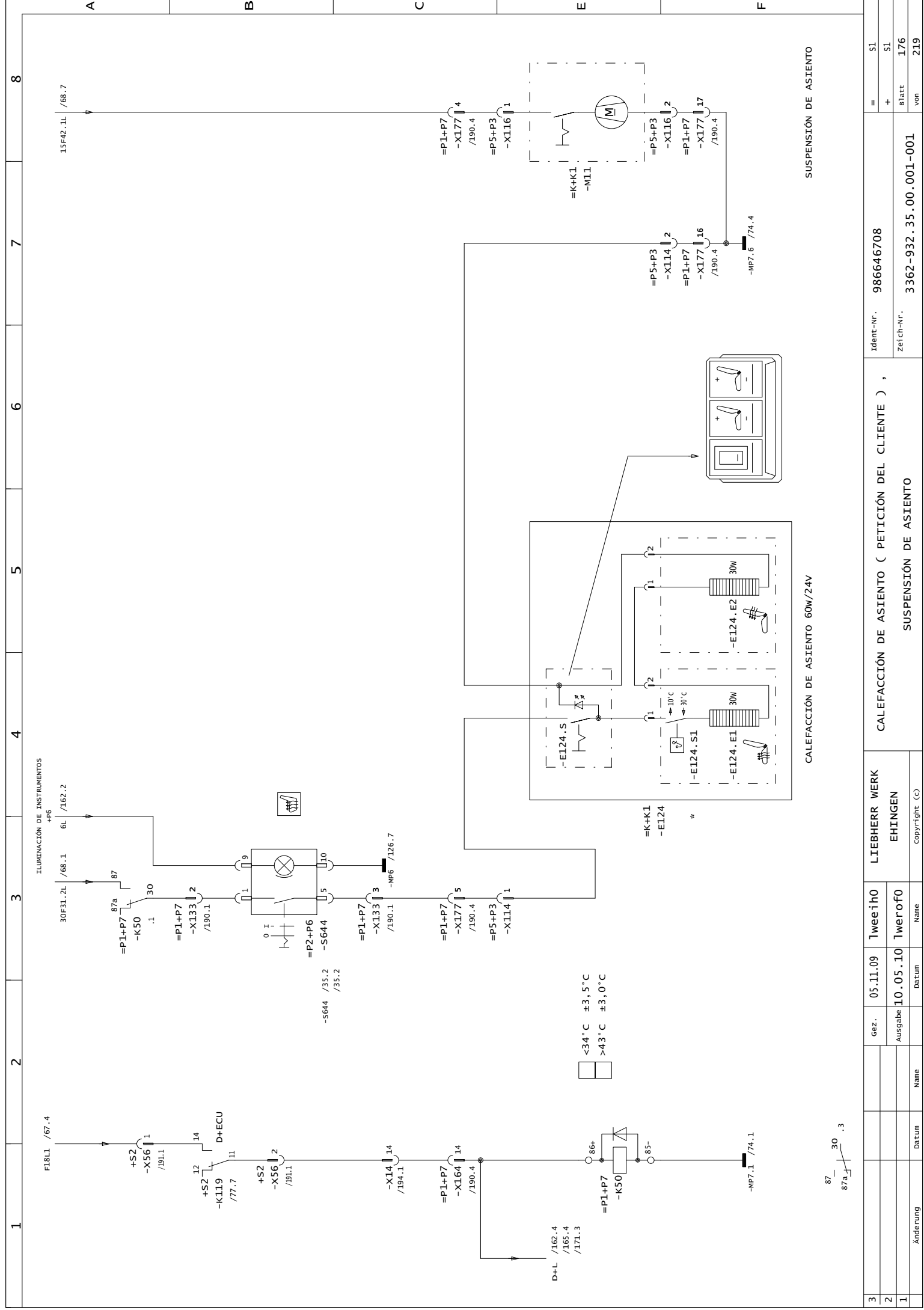


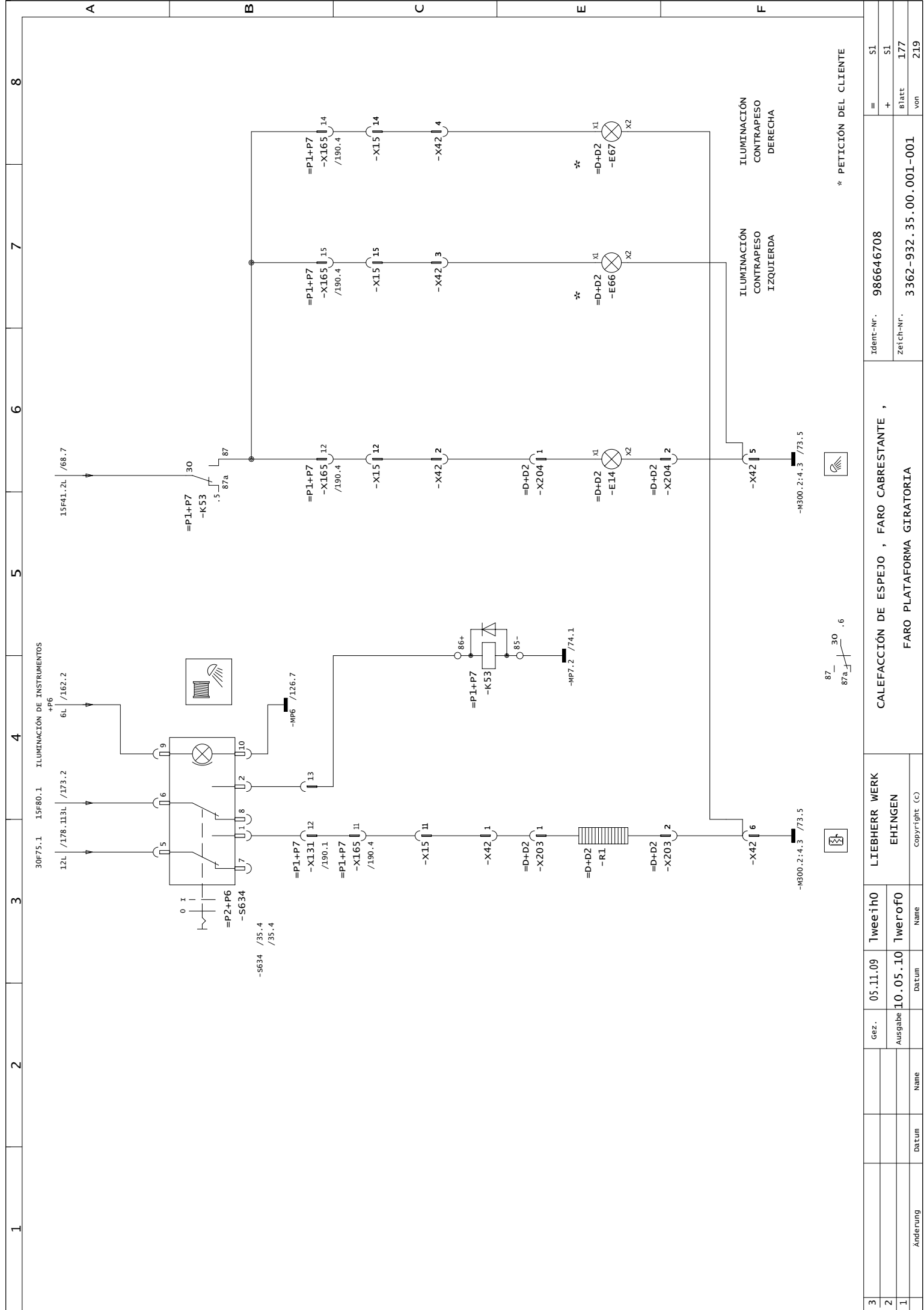
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| 3 | Gez. | 05.11.09 | tweeih0 | LIEBHERR WERK | FARO BASE FARO , | | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | twerofo | EHINGEN | FARO TRAMO BASE | | Zeich-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Name | Datum | Name | Copyright (c) | | | von | 172 | | 219 |
| Änderung | Datum | | | | | | | | | |



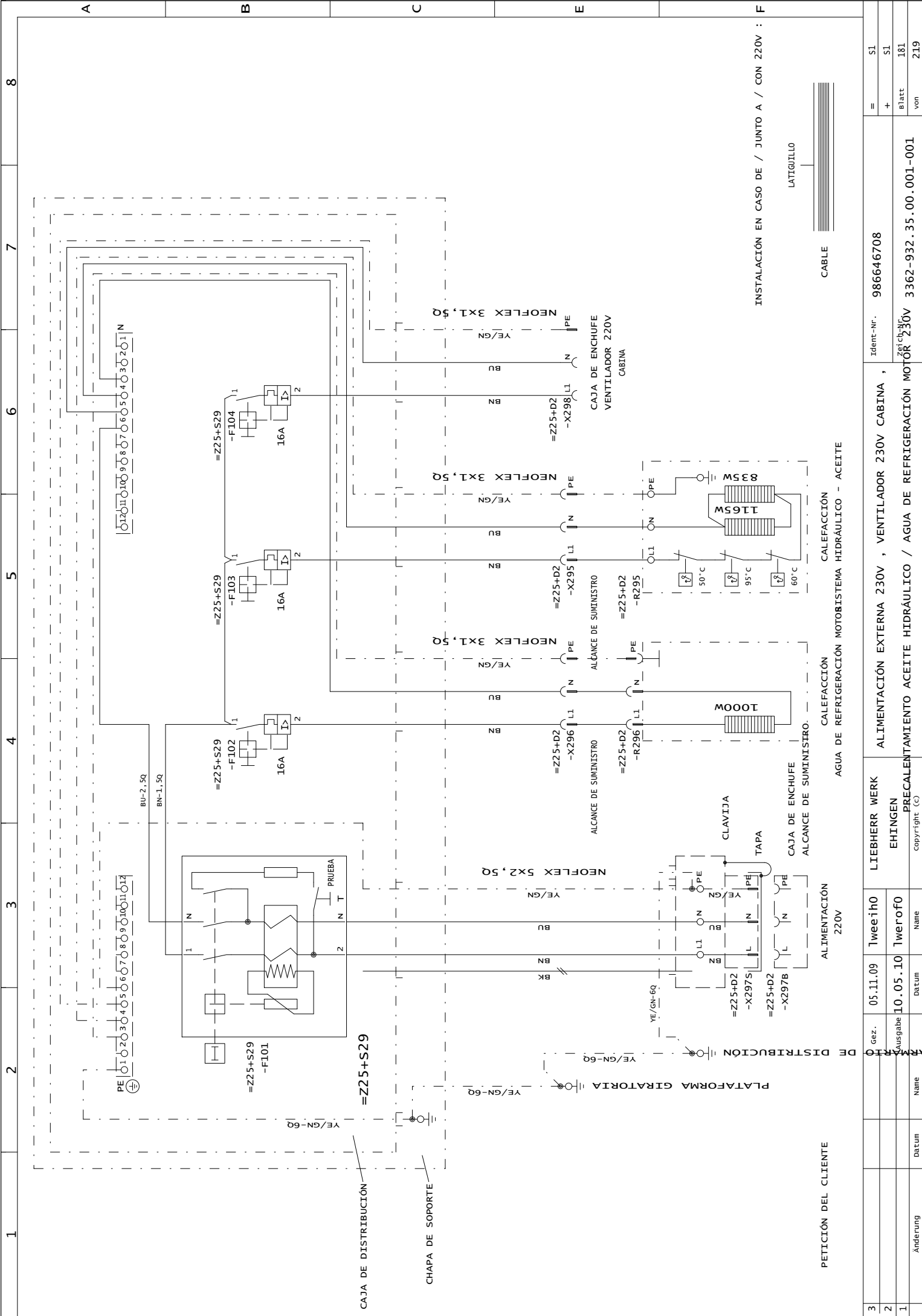
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| 3 | | | | gez. | 05.11.09 | Tweeih | LIEBHERR WERK EHINGEN | FARO DE TRABAJO DESCANSILLO , DESCANSILLO FARO DE TRABAJO | Ident-Nr. 986646708 | = S1 |
| 2 | | | | Ausgabe | 10.05.10 | Twerofo | | | | |
| 1 | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | Zeich-Nr. 3362-932.35.00.001-001 | Blatt 173 von 219 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|---|----|---|--|---|--|---|--|---|--|---|--|---|--|---|---------|-------------------|----|---------|------------------------|----------------|------|---|-----|--------|---|---|------|---|----|------|------------------------------------|------------------|-----|---|-----|---|---|---|----|--------------------------------|
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLAVIJA CÁMARA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAM /45.4 /174.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CONECTADOR ENCHUFABLE P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CONECTADOR ENCHUFABLE C1 , C2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table><tr><td>1</td><td>+24V DC</td><td>RED DE A BORDO</td><td>RD</td></tr><tr><td>2</td><td>0V DV</td><td>RED DE A BORDO</td><td>BK</td></tr><tr><td>3</td><td>GND</td><td>CHASSI</td><td>BN</td></tr><tr><td>4</td><td>SEL1</td><td>LÍNEA DE MANDO 1</td><td>WH</td></tr><tr><td>5</td><td>SEL2</td><td>LÍNEA DE MANDO 2</td><td>OG</td></tr><tr><td>6</td><td>POC</td><td>CONTACTO PARA DISPLAY DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A)</td><td></td></tr></table> | | | | | | | | | | | | | | | | 1 | +24V DC | RED DE A BORDO | RD | 2 | 0V DV | RED DE A BORDO | BK | 3 | GND | CHASSI | BN | 4 | SEL1 | LÍNEA DE MANDO 1 | WH | 5 | SEL2 | LÍNEA DE MANDO 2 | OG | 6 | POC | CONTACTO PARA DISPLAY DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A) | | | | |
| 1 | +24V DC | RED DE A BORDO | RD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 0V DV | RED DE A BORDO | BK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | GND | CHASSI | BN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | SEL1 | LÍNEA DE MANDO 1 | WH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | SEL2 | LÍNEA DE MANDO 2 | OG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | POC | CONTACTO PARA DISPLAY DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>1</td><td>VID</td><td>VÍDEO SEÑAL</td></tr><tr><td>2</td><td>SH</td><td>---</td></tr><tr><td>3</td><td>AUD</td><td>AUDIO</td></tr><tr><td>4</td><td>SEL1</td><td>ALIMENTACIÓN DE CORRIENTE +12V</td></tr><tr><td>5</td><td>SEL2</td><td>ALIMENTACIÓN DE CORRIENTE 0V</td></tr></table> | | | | | | | | | | | | | | | | 1 | VID | VÍDEO SEÑAL | 2 | SH | --- | 3 | AUD | AUDIO | 4 | SEL1 | ALIMENTACIÓN DE CORRIENTE +12V | 5 | SEL2 | ALIMENTACIÓN DE CORRIENTE 0V | | | | | | | | | | | | |
| 1 | VID | VÍDEO SEÑAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | AUD | AUDIO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | SEL1 | ALIMENTACIÓN DE CORRIENTE +12V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | SEL2 | ALIMENTACIÓN DE CORRIENTE 0V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONECTADOR ENCHUFABLE M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CONECTADOR ENCHUFABLE C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>1</td><td>on</td><td>REMOLQUE/SERVICIO</td></tr><tr><td>2</td><td>on</td><td>INTERMITENTES/SERVICIO</td></tr><tr><td>3</td><td>on</td><td>REFLEXIÓN DE IMAGEN HORIZONTAL / HORIZONTALMENTE C2</td></tr><tr><td>4</td><td>on</td><td>REFLEXIÓN DE IMAGEN HORIZONTAL / HORIZONTALMENTE C1</td></tr></table> | | | | | | | | | | | | | | | | 1 | on | REMOLQUE/SERVICIO | 2 | on | INTERMITENTES/SERVICIO | 3 | on | REFLEXIÓN DE IMAGEN HORIZONTAL / HORIZONTALMENTE C2 | 4 | on | REFLEXIÓN DE IMAGEN HORIZONTAL / HORIZONTALMENTE C1 | | | | | | | | | | | | | | | |
| 1 | on | REMOLQUE/SERVICIO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | on | INTERMITENTES/SERVICIO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | on | REFLEXIÓN DE IMAGEN HORIZONTAL / HORIZONTALMENTE C2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | on | REFLEXIÓN DE IMAGEN HORIZONTAL / HORIZONTALMENTE C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONECTADOR ENCHUFABLE C2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>1</td><td>VID</td><td>VÍDEO SEÑAL</td></tr><tr><td>2</td><td>VID_GND</td><td>VÍDEO PANTALLA</td></tr><tr><td>3</td><td>+12V</td><td>ALIMENTACIÓN DE CORRIENTE +12V</td></tr><tr><td>4</td><td>GND</td><td>MASA</td></tr><tr><td>5</td><td>MIRH</td><td>REFLEXIÓN DE IMAGEN IZQUIERDA / DERECHA</td></tr><tr><td>6</td><td>MIRV</td><td>REFLEXIÓN DE IMAGEN ARRIBA / ABAJO</td></tr><tr><td>7</td><td>POC</td><td>CONTACTO PARA DISPLAY DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A)</td></tr><tr><td>8</td><td>MIRHOC</td><td>REFLEXIÓN DE IMAGEN IZQUIERDA / DERECHA</td></tr><tr><td>9</td><td>+U</td><td>ALIMENTACIÓN DE CORRIENTE +24V</td></tr></table> | | | | | | | | | | | | | | | | 1 | VID | VÍDEO SEÑAL | 2 | VID_GND | VÍDEO PANTALLA | 3 | +12V | ALIMENTACIÓN DE CORRIENTE +12V | 4 | GND | MASA | 5 | MIRH | REFLEXIÓN DE IMAGEN IZQUIERDA / DERECHA | 6 | MIRV | REFLEXIÓN DE IMAGEN ARRIBA / ABAJO | 7 | POC | CONTACTO PARA DISPLAY DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A) | 8 | MIRHOC | REFLEXIÓN DE IMAGEN IZQUIERDA / DERECHA | 9 | +U | ALIMENTACIÓN DE CORRIENTE +24V |
| 1 | VID | VÍDEO SEÑAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | VID_GND | VÍDEO PANTALLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | +12V | ALIMENTACIÓN DE CORRIENTE +12V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | GND | MASA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MIRH | REFLEXIÓN DE IMAGEN IZQUIERDA / DERECHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | MIRV | REFLEXIÓN DE IMAGEN ARRIBA / ABAJO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | POC | CONTACTO PARA DISPLAY DENTRO / CONECTADO(A) / FUERA / DESCONECTADO(A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | MIRHOC | REFLEXIÓN DE IMAGEN IZQUIERDA / DERECHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | +U | ALIMENTACIÓN DE CORRIENTE +24V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CÁMARA - CAJA DE CONMUTACIÓN CONECTADOR ENCHUFABLE , | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EHINGEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Copyright (c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gez. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 05.11.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Ident-Nr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 986646708 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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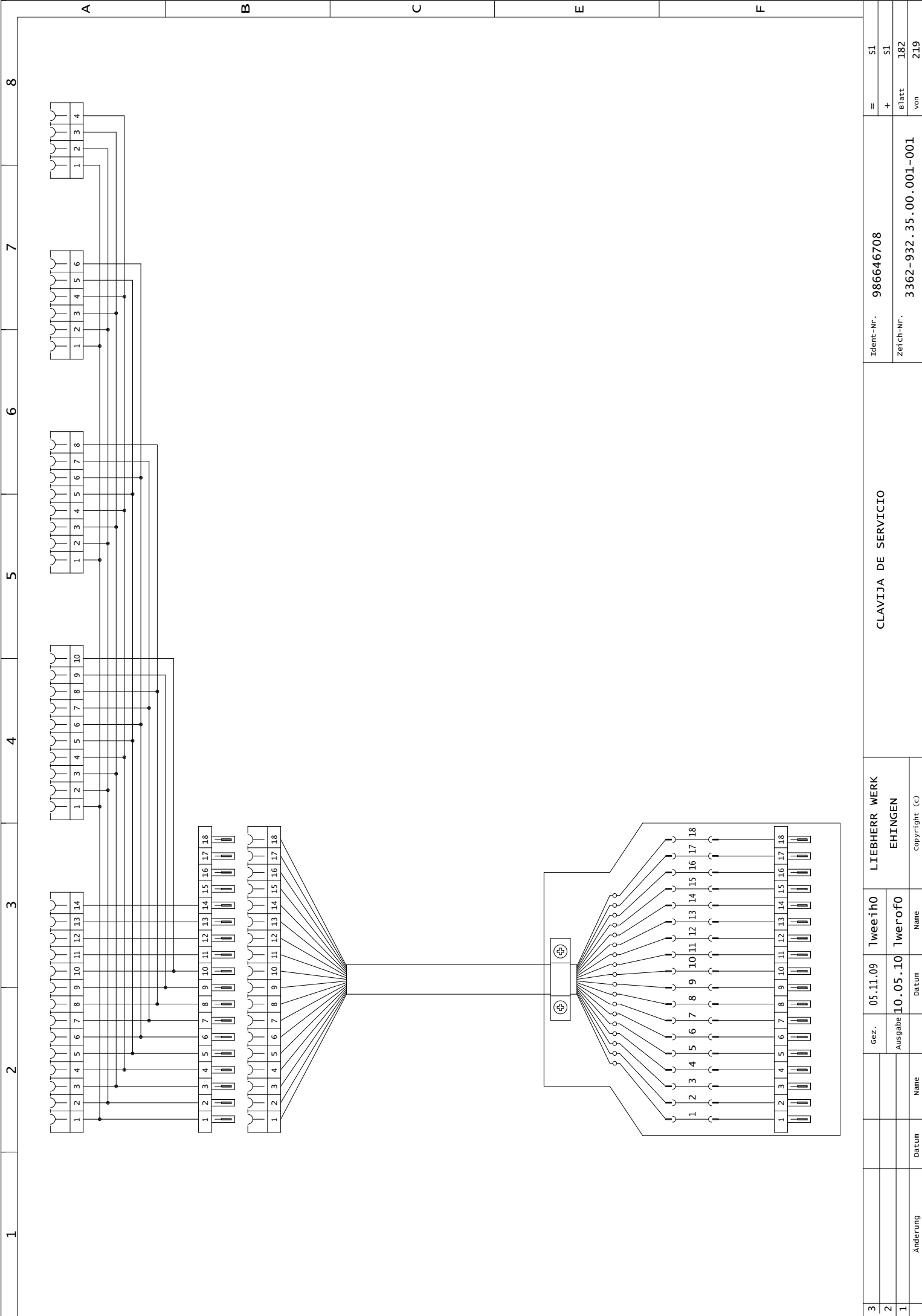




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| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK | CALEFACCIÓN DE ESPEJO , FARO CABRESTANTE , | Ident-Nr. 986646708 | = S1 |
| 2 | | | | | | EHINGEN | | | |
| 1 | Änderung | Datum | Name | | | Copyright (c) | | | |
| | | | | Ausgabe | 10.05.10 | Twerofo | FARO PLATAFORMA GIRATORIA | Zeich-Nr. 3362-932.35.00.001-001 | Blatt 177 von 219 |



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| 3 | Gez. | 05.11.09 | Liebherr | LIEBHERR WERK EHINGEN | ALIMENTACIÓN EXTERNA 230V , VENTILADOR 230V CABINA , | Ident-Nr. | 986646708 | = | S1 |
| 2 | Ausgabe | 10.05.10 | Liebherr | EHINGEN | VENTILADOR 230V CABINA , | Zeichn.-Nr. | 3362-932.35.00.001-001 | + | S1 |
| 1 | Name | Datum | Name | PRECALENTAMIENTO ACEITE HIDRÁULICO / AGUA DE REFRIGERACIÓN MOTOR 230V | Blatt | von | 181 | | |
| | Änderung | Datum | Name | Copyright (C) | | | 219 | | |



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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
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RES2

RES3

RES4

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RES7

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RESERVA

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15

18

-X12

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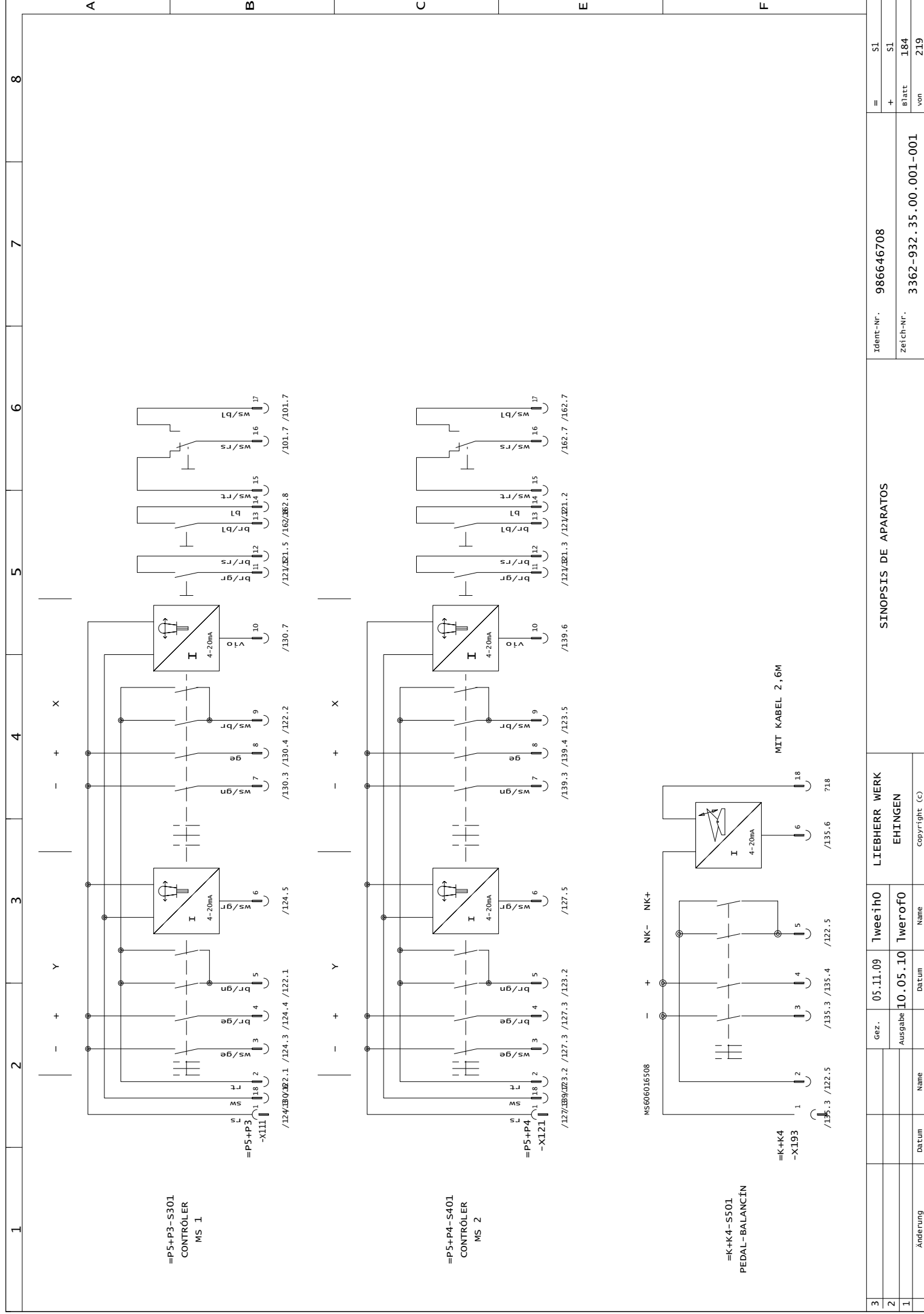
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BENUTZT BEI

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BETRIEBSSTUNDENZAEHLER

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| 3 | | | Gez. | 05.11.09 | LIEBHERR WERK | RESERVA - ASIGNACIÓN / OCUPACIÓN | | Ident-Nr. | 986646708 | = | S1 |
| 2 | | | | | EHINGEN | | | | | + | S1 |
| 1 | Änderung | Datum | Ausgabe | 10.05.10 | Twerofo | | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt | 183 |
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











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| 2 | | | | Ausgabe | 10.05.10 | EHINGEN | | | |
| 1 | Änderung | Datum | Name | | | Copyright (c) | | | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
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| B | -X917 | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | -X915 | 1 2 3 4 5 6 7 8 | -X916 | 1 2 3 4 5 6 | -X910 | 1 2 3 4 | -X939 | 1 2 3 4 | -X959 | 1 2 3 4 |
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| ASIGNACIÓN DE CLAVIJAS | | | | | | | | | | | | |
| 3 | LIEBHERR WERK | | | 986646708 | | | Ident-Nr. | | | | | |
| 2 | EHINGEN | | | 3362-932.35.00.001-001 | | | Zeich-Nr. | | | | | |
| 1 | Copyright (c) | | | Blatt 193 | | | von 219 | | | | | |

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| A | | B | | C | | E | | F | | | | | | | |
| | T | | | | | V | | | | | | Z | | | |
| | 241 |  | TRAMO TELESCÓPICO 5 SELECCIONADO(A) | |  | 157 ^{re} PRECALENTAMIENTO MOTOR | | | |  | 17 | | | | |
| | 371 |  | Y - ARRIOSTRAMIENTO TELE. PLEGAR /-DESPLEGAR | | | | | | |  | 86 | | | | |
| | 372 |  | CILINDRO A " PARADA " | | | | | | |  | 236 | | | | |
| | 373 |  | CILINDRO B " PARADA " | | | | | | |  | 235 | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | W | | | | | | | | | |
| | U | | | | |  | | | | | | | | | |
| | |  | SOBRECARGA - ZUMBADOR FUERA / DESCONECTADO(A) | |  | 249 BASCULAR / TELESCOPAR (SELECCIÓN) | | | | | | | | | |
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| * OBSERVACIÓN : POR EJEMPLO MAKRO SWF_157 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | EXPLICACIÓN DE SÍMBOLOS / ICONOS | | Ident-Nr. 986646708 | | = | S1 |
| 2 | | | | | | | | | | | | | | + | S1 |
| 1 | | | | | | | | | | | | Zeich-Nr. 3362-932.35.00.001-001 | | Blatt | 202 |
| | Änderung | Datum | Name | | | | | | | | | 3362-932.35.00.001-001 | | von | 219 |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|---|--|---|--|-------------------------|--|---|--|--|--|---|-------------------------|---|--|---|--|
| LEYENDA PARA ARMARIOS DE DISTRIBUCIÓN DE GRÚA LIEBHERR | | | | | | | | | | | | | | | |
| LETRA DE IDENTIFICACIÓN | INSTALACIÓN / ANEXO | | | LETRA DE IDENTIFICACIÓN | TIPO DE MEDIOS DE SERVICIO | | | EJEMPLOS | | | LETRA DE IDENTIFICACIÓN | LUGARES DE MONTAJE DE LOS MEDIOS DE SERVICIO ELÉCTRICOS | | | |
| | = | | | | - | | | | | | | + | | | |
| F | SISTEMA ELÉCTRICO CHASIS | | | A | MÓDULOS / GRUPOS CONSTRUCTIVOS , MÓDULOS / GRUPOS CONSTRUCTIVOS PARCIALES | | | AMPLIFICADORES , AMPLIFICADORES MAGNÉTICOS , LÁSER , COMBINACIONES DE APARATOS | | | F1-9 | SISTEMA ELÉCTRICO CHASIS | | | |
| H | SISTEMA ELÉCTRICO CABINA DE CONDUCCIÓN | | | B | CONVERTIDORES DE MAGNITUDES NO ELÉCTRICAS | | | CONVERTIDORES DE MAGNITUDES NO ELÉCTRICAS | | | H1-9 | SISTEMA ELÉCTRICO CABINA DE CONDUCCIÓN | | | |
| P2 | INSTRUMENTOS / VALVULERÍA CHASIS | | | | | | | | | | | | | | |
| S1-10 | ARMARIO DE DISTRIBUCIÓN CHASIS | | | | | | | ELEMENTOS TERMOELÉCTRICOS , DINAMOMETRO , CRISTALES DE CHASIS , MICROFONO , FONOCAPTOR , SINCROTRANSMISOR , TRANSDUCTOR ANGULAR | | | P30-39 | ARMARIO DE DISTRIBUCIÓN CHASIS | | | |
| P3 | ESTABILIZACIÓN | | | | | | | | | | | ESTABILIZACIÓN | | | |
| B2 | ILUMINACIÓN CHASIS | | | C | CONDENSADORES | | | CONDENSADORES | | | *1 | ILUMINACIÓN CHASIS | | | |
| Z1-33 | EQUIPAMIENTO ESPECIAL CHASIS | | | D | DISPOSITIVOS DE RETARDO DISPOSITIVOS DE ALIMENTACIÓN DE BORNES ELÉCTRICOS , MEMORIA DE NÚCLEOS , REGISTRO , MEMORIA DE DISCOS , REGISTRADORES MAGNÉTICOS , ELEMENTOS MONESTABLES | | | MEMORIA DE NÚCLEOS , REGISTRO , MEMORIA DE DISCOS , REGISTRADORES MAGNÉTICOS , ELEMENTOS MONESTABLES | | | *1 | EQUIPAMIENTO ESPECIAL CHASIS | | | |
| | | | | E | VARIOS | | | DISPOSITIVOS DE ILUMINACIÓN , DISPOSITIVOS DE CALEFACCIÓN | | | | | | | |
| D | SISTEMA ELÉCTRICO PLATAFORMA GIRATORIA | | | F | DISPOSITIVOS DE PROTECCIÓN | | | FUSIBLES / DISPOSITIVOS DE SEGURIDAD , RELÉ DE PROTECCIÓN , CORTACIRCUITOS | | | F1-9 | SISTEMA ELÉCTRICO PLATAFORMA GIRATORIA | | | |
| K | SISTEMA ELÉCTRICO CABINA | | | G | GENERADORES , ALIMENTACIONES DE CORRIENTE | | | GENERADORES , BATERÍAS , OSCILADORES , ADELANTADOR DE FASE , EQUIPOS DE ALIMENTACIÓN ELÉCTRICA | | | K1-9 | SISTEMA ELÉCTRICO CABINA | | | |
| P1 | INSTRUMENTOS / VALVULERÍA PLATAFORMA GIRATORIA | | | | | | | | | | P1-9 | INSTRUMENTOS / VALVULERÍA PLATAFORMA GIRATORIA | | | |
| S20-30 | ARMARIO DE DISTRIBUCIÓN PLATAFORMA GIRATORIA | | | | | | | DISPOSITIVOS DE AVISO | | | S20"1"-9" | ARMARIO DE DISTRIBUCIÓN PLATAFORMA GIRATORIA | | | |
| B1 | ILUMINACIÓN PLATAFORMA GIRATORIA | | | K | RELÉ , CONTACTORES / COMPUERTAS | | | CONTACTORES DE POTENCIA , CONTACTORES AUXILIARES , RELÉ DE LUZ INTERMITENTE DE BATERIA | | | *1 | ILUMINACIÓN PLATAFORMA GIRATORIA | | | |
| L | LMB | | | L | INDUCTANCIAS | | | BOBINAS DE REACTANCIA | | | *1 | LMB | | | |
| Z34-66 | EQUIPAMIENTO ESPECIAL PLATAFORMA GIRATORIA | | | M | MOTOR | | | | | | *1 | EQUIPAMIENTO ESPECIAL PLATAFORMA GIRATORIA | | | |
| | | | | N | TRANSFORMADOR DE ANILLOS ROZANTES | | | DISPOSITIVOS DE MEDICIÓN INDICADORES , REGISTRADORES Y CONTADORES , GENERADOR DE IMPULSOS , RELOJES | | | | | | | |
| | | | | P | APARATOS DE MEDICIÓN , DISPOSITIVOS DE COMPROBACIÓN | | | | | | | | | | |
| | | | | Q | CORRIENTE FUERTE - APARATOS DE DISTRIBUCIÓN | | | CONDENSADORES , INTERRUPTOR DE PROTECCIÓN , GUARDAMOTOR , INTERRUPTOR AUTOMÁTICO BAJO CARGA DE SEGURIDAD | | | A1-9 | SISTEMA ELÉCTRICO PLUMA | | | |
| A | SISTEMA ELÉCTRICO PLUMA | | | | | | | | | | Q1-9 | PLUMA AUXILIAR | | | |
| Q | PLUMA AUXILIAR | | | R | RESISTENCIAS / RESISTORES | | | RESISTENCIAS / RESISTORES AJUSTABLES , POTENCIÓMETRO | | | | | | | |
| W | PLUMÍN ABATIBLE | | | S | CONMUTADOR , SELECTORES | | | PULSADOR , INTERRUPTOR DE FIN DE CARRERA , CONMUTADOR | | | | | | | |
| V | PLUMÍN LATERAL | | | | | | | CONMUTADOR GIRATORIO , ETAPA DE ACOPLAMIENTO , EMISOR | | | | | | | |
| S30-40 | ARMARIO DE DISTRIBUCIÓN / CAJA DE BORNES | | | T | TRANSFORMADORES | | | TRANSFORMADOR DE TENSIÓN , CONVERTIDOR DE CORRIENTE , TRANSMISOR / TRANSFORMADOR | | | *1 | ARMARIO DE DISTRIBUCIÓN / CAJA DE BORNES | | | |
| Z67-99 | EQUIPAMIENTO ESPECIAL PLUMA | | | U | MODULADORES , CONVERTIDORES | | | DISCRIMINADOR , CONVERTIDOR DE FRECUENCIA , CONVERTIDOR / TRANSFORMADOR | | | | | | | |
| | | | | V | TUBOS - SEMICONDUCTORES | | | TUBOS ELECTRÓNICOS , TUBOS DE DESCARGA GASEOSA , DIODOS | | | | | | | |
| | | | | W | VÍAS DE TRANSMISIÓN , GUIAONDAS , LÍNEAS / CONDUCTOS | | | HILOS DE CONEXIÓN , CABLE , BARRAS COLECTORAS , GUIAONDAS , EMPALMES DIRIGIDOS DE GUIAONDAS | | | | | | | |
| | | | | X | BORNES , CLAVIJA , CAJA DE ENCHUFE | | | CLAVIJA DE CORTE , CAJAS DE ENCHUFE DE CORTE , CLAVIJA DE PRUEBA , REGLETAS DE BORNES , REGLETAS PARA SOLDAR | | | | | | | |
| | | | | Y | DISPOSITIVOS MECÁNICOS DE ACCIONAMIENTO | | | ELEMENTOS , ACOPLAMIENTOS / EMBRAGUES , VÁLVULAS | | | | | | | |
| | | | | Z | TERMINACIÓN , DISPOSITIVOS DE COMPENSACIÓN , | | | EQUIPAMIENTO ESPECIAL PLATAFORMA GIRATORIA | | | | | | | |
| EJEMPLO DE UNA IDENTIFICACIÓN DE MEDIOS DE SERVICIO | | | | | | | | | | | | | | | |
| = INSTALACIÓN / ANEXO + LUGAR DE MONTAJE - TIPO DE MEDIOS DE SERVICIO NÚMERO DE CONTEO : CONEXIÓN | | | | | | | | | | | | | | | |
| = A + S1 - X 1 : 20 | | | | | | | | | | | | | | | |
| *1 LUGARES DE MONTAJE EN LOS MÓDULOS / GRUPOS CONSTRUCTIVOS EXISTENTES | | | | | | | | | | | | | | | |
| LEYENDA | | | | | | | | | | | | | | | |
| Ident.-Nr. | | | | 986646708 | | | | = S1 | | | | | | | |
| Zeich.-Nr. | | | | 3362-932 35.00.001-001 | | | | + S1 | | | | | | | |
| | | | | | | | | Blatt 203 | | | | | | | |
| | | | | | | | | von 219 | | | | | | | |

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|---|----------|-------|------|---------|----------|--------------------------|-------------------|-----------|-----------|------------------------|--------------|--------------|
| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK EHINGEN | ESQUEMA DE BORNES | Ident-Nr. | 986646708 | = | S1 | |
| 2 | | | | | | | | | | | + | A |
| 1 | | | | Ausgabe | 10.05.10 | | | | Zeich-Nr. | 3362-932.35.00.001-001 | Blatt von | 204.1 219 |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | | | | | |

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|---|----------|-------|------|---------|----------|--------------------------|-------------------|--------------------------------------|----------------------------|
| 3 | | | | Gez. | 05.11.09 | LIEBHERR WERK EHINGEN | ESQUEMA DE BORNES | Ident.-Nr. 986646708 | = S1 |
| 2 | | | | | | | | | |
| 1 | | | | Ausgabe | 10.05.10 | EHINGEN | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) | Zeich.-Nr. 3362-932.35.00.001-001 | Blatt von 205 219 |

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| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|----------|--|-------------|--|---------|--|----------|--|---------------|--|--------------------|--|-------------|--|-----------|--|
| BMK | | INSTALACIÓN | | EXE | | BMK | | INSTALACIÓN | | BMK | | INSTALACIÓN | | EXE | |
| -F104 | | =Z25 | | +S29 | | -K2 | | =S1 | | +S1 | | 101.6 | | -K28 | |
| -G2 | | =D | | +D3 | | -K2 | | =D | | +D3 | | 64.3 | | -K29 | |
| -G3 | | =D | | +D3 | | -K3 | | =S1 | | +S1 | | 101.5 | | -K30 | |
| -G4 | | =D | | +D3 | | -K4 | | =S1 | | +S1 | | 101.4 | | -K40 | |
| -G5 | | =D | | +D3 | | -K5 | | =S1 | | +S1 | | 93.6 | | -K41 | |
| -G6 | | =S1 | | +S1 | | -K7 | | =S1 | | +S1 | | 63.6 | | -K48 | |
| -G6.X3 | | =S1 | | +S1 | | -K10 | | =S1 | | +S1 | | 124.2 | | -K49 | |
| -G750 | | =M | | +M | | -K11 | | =S1 | | +S1 | | 92.2 | | -K50 | |
| -G750.X | | =D | | +M | | -K12 | | =S1 | | +S1 | | 149.2 | | -K51 | |
| -H1 | | =S1 | | +S1 | | -K13 | | =S1 | | +S1 | | 149.3 | | -K52 | |
| -H21 | | =K | | +K1 | | -K14 | | =S1 | | +S1 | | 149.4 | | -K53 | |
| -H22 | | =K | | +K1 | | -K15 | | =S1 | | +S1 | | 154.6 | | -K54 | |
| -H80 | | =D | | +D2 | | -K16 | | =S1 | | +S1 | | 138.1 | | -K55 | |
| -H94 | | =K | | +K2 | | -K17 | | =S1 | | +S1 | | 138.2 | | -K56 | |
| -H95 | | =Z36 | | +K1 | | -K18 | | =S1 | | +S1 | | 93.1 | | -K56 | |
| -H206 | | =Z30 | | +P26 | | -K19 | | =S1 | | +S1 | | 160.3 | | -K57 | |
| -H627 | | =P2 | | +P6 | | -K20 | | =S1 | | +S1 | | 151.5 | | -K57 | |
| -H628 | | =P2 | | +P6 | | -K21 | | =S1 | | +S1 | | 152.4 | | -K92 | |
| -H709 | | =P1 | | +P7 | | -K22 | | =S1 | | +S1 | | 153.6 | | -K93 | |
| -H711 | | =P1 | | +P7 | | -K23 | | =S1 | | +S1 | | 65.5 | | -K94 | |
| -H713 | | =P1 | | +P7 | | -K24 | | =S1 | | +S1 | | 130.1 | | -K101 | |
| -H714 | | =P1 | | +P7 | | -K25 | | =S1 | | +S1 | | 63.5 | | -K102 | |
| -H723 | | =P1 | | +P7 | | -K26 | | =S1 | | +S1 | | 138.4 | | -K103 | |
| -K1 | | =D | | +D3 | | -K27 | | =S1 | | +S1 | | 94.4 | | -K104 | |
| 3 | | | | Gez. | | 06.11.09 | | LIEBHERR WERK | | MEDIOS DE SERVICIO | | Ident-Nr. | | 986646708 | |
| 2 | | | | Ausgabe | | 10.05.10 | | EHINGEN | | | | | | + | |
| 1 | | | | Name | | Datum | | Name | | Copyright (c) | | Blatt | | 210 | |
| Änderung | | Datum | | | | | | | | | | von | | 219 | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|----------|--|-------------|--|---------|--|----------|--|---------------|--|--------------------|--|-------------|--|-----------|--|
| BMK | | INSTALACIÓN | | EXE | | BMK | | INSTALACIÓN | | BMK | | INSTALACIÓN | | EXE | |
| -S606 | | =P2 | | +P6 | | -S725 | | =P1 | | +P7 | | 65.6 | | -X19 | |
| -S608 | | =P2 | | +P6 | | -S871 | | =D | | +D2 | | 171.4 | | -X20 | |
| -S630 | | =P2 | | +P6 | | -S875 | | =K | | +K2 | | 171.4 | | -X21 | |
| -S632 | | =P2 | | +P6 | | -T60 | | =P1 | | +P9 | | 164.2 | | -X22 | |
| -S634 | | =P2 | | +P6 | | -T60.X1 | | =P1 | | +P9 | | 190.5 | | -X23 | |
| -S636 | | =P2 | | +P6 | | -T60.X2 | | =P1 | | +P9 | | 190.5 | | -X24 | |
| -S640 | | =P2 | | +P6 | | -X1 | | =S1 | | +S1 | | 102.6 | | -X25 | |
| -S642 | | =P2 | | +P6 | | -X1 | | =P2 | | +P20 | | 190.6 | | -X26 | |
| -S644 | | =P2 | | +P6 | | -X1 | | =S1 | | +S1 | | 149.1 | | -X27 | |
| -S648 | | =P2 | | +P6 | | -X6 | | =A | | +A6 | | 189.5 | | -X28 | |
| -S650 | | =P2 | | +P6 | | -X9 | | =S1 | | +S1 | | 194.1 | | -X29 | |
| -S656 | | =P2 | | +P6 | | -X10 | | =S1 | | +S1 | | 194.1 | | -X30 | |
| -S658 | | =P2 | | +P6 | | -X11 | | =S1 | | +S1 | | 194.1 | | -X31 | |
| -S700 | | =P1 | | +P7 | | -X12 | | =P2 | | +P20 | | 190.6 | | -X32 | |
| -S701 | | =P1 | | +P7 | | -X12 | | =S1 | | +S1 | | 194.1 | | -X32 | |
| -S703 | | =P1 | | +P7 | | -X13 | | =S1 | | +S1 | | 194.1 | | -X33 | |
| -S705 | | =P1 | | +P7 | | -X13A | | =A | | +A | | 188.1 | | -X33 | |
| -S707 | | =P1 | | +P7 | | -X13B | | =A | | +A | | 188.1 | | -X34 | |
| -S715 | | =P1 | | +P7 | | -X14 | | =S1 | | +S1 | | 194.1 | | -X34 | |
| -S717 | | =P1 | | +P7 | | -X15 | | =S1 | | +S1 | | 194.1 | | -X35 | |
| -S719 | | =P1 | | +P7 | | -X16 | | =S1 | | +S1 | | 194.1 | | -X35 | |
| -S721 | | =P1 | | +P7 | | -X17 | | =S1 | | +S1 | | 194.1 | | -X36 | |
| -S723 | | =P1 | | +P7 | | -X18 | | =S1 | | +S1 | | 194.1 | | -X37 | |
| -S724 | | =P1 | | +P7 | | -X19 | | =A | | +A11 | | 120.1 | | -X38 | |
| 3 | | | | Gez. | | 06.11.09 | | LIEBHERR WERK | | MEDIOS DE SERVICIO | | Ident-Nr. | | 986646708 | |
| 2 | | | | Ausgabe | | 10.05.10 | | EHINGEN | | | | | | + | |
| 1 | | | | Datum | | Name | | Copyright (c) | | | | Blatt | | 213 | |
| Änderung | | | | | | | | | | | | von | | 219 | |

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
|--------|-----|-------------|-------|--------------|-----|-------------|-------|--------------|-----|-------------|-------|--------------|-----|-------------|-------|
| BMK | | INSTALACION | | UNIFORMACION | | INSTALACION | | UNIFORMACION | | INSTALACION | | UNIFORMACION | | INSTALACION | |
| BMK | | INSTALACION | | UNIFORMACION | | INSTALACION | | UNIFORMACION | | INSTALACION | | UNIFORMACION | | INSTALACION | |
| -X612B | =A | +A10 | 189.6 | -X904 | =S1 | +S1 | 193.1 | -X929 | =S1 | +S1 | 193.8 | -X904 | =S1 | +S1 | 193.8 |
| -X613 | =A | +A10 | 189.7 | -X905 | =S1 | +S1 | 193.3 | -X930 | =S1 | +S1 | 193.5 | -X905 | =S1 | +S1 | 193.5 |
| -X613F | =A | +A10 | 189.7 | -X906 | =S1 | +S1 | 193.4 | -X931 | =S1 | +S1 | 192.1 | -X906 | =S1 | +S1 | 192.1 |
| -X617 | =A | +A11 | 189.8 | -X907 | =S1 | +S1 | 193.1 | -X932 | =S1 | +S1 | 192.3 | -X907 | =S1 | +S1 | 192.3 |
| -X631 | =P1 | +P0 | 190.1 | -X908 | =S1 | +S1 | 192.8 | -X933 | =S1 | +S1 | 192.5 | -X908 | =S1 | +S1 | 192.5 |
| -X631B | =P1 | +P2 | 190.1 | -X909 | =S1 | +S1 | 193.6 | -X934 | =S1 | +S1 | 193.1 | -X909 | =S1 | +S1 | 193.1 |
| -X632 | =A | +A | 188.5 | -X910 | =S1 | +S1 | 193.5 | -X935 | =S1 | +S1 | 193.3 | -X910 | =S1 | +S1 | 193.3 |
| -X633 | =A | +A | 188.2 | -X911 | =S1 | +S1 | 192.1 | -X936 | =S1 | +S1 | 193.4 | -X911 | =S1 | +S1 | 193.4 |
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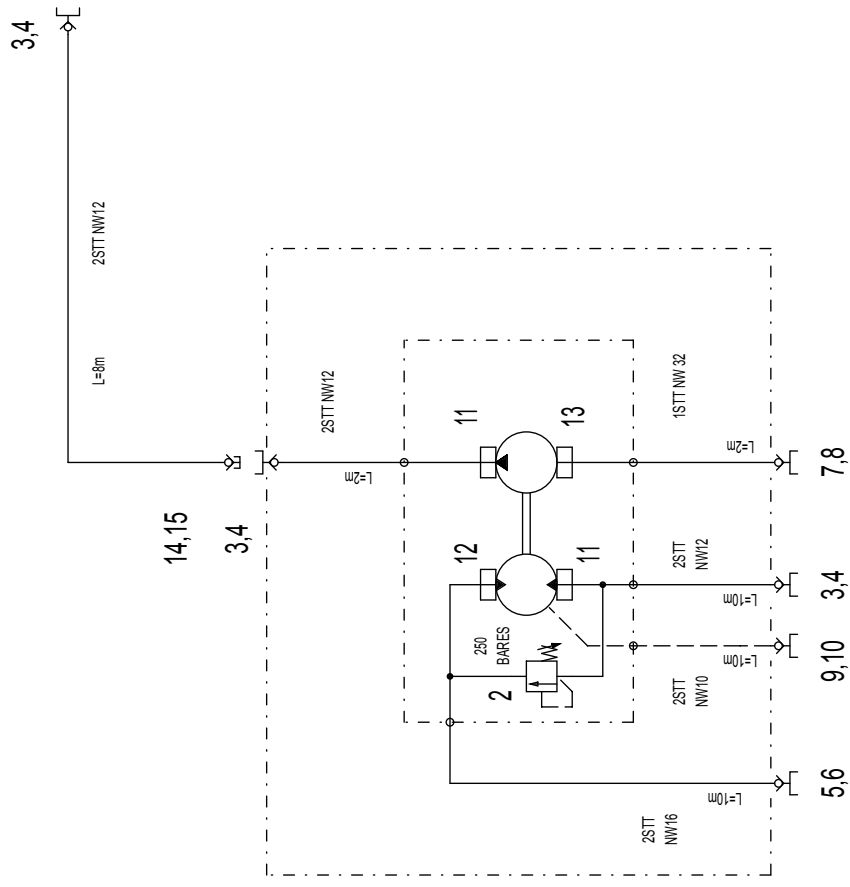
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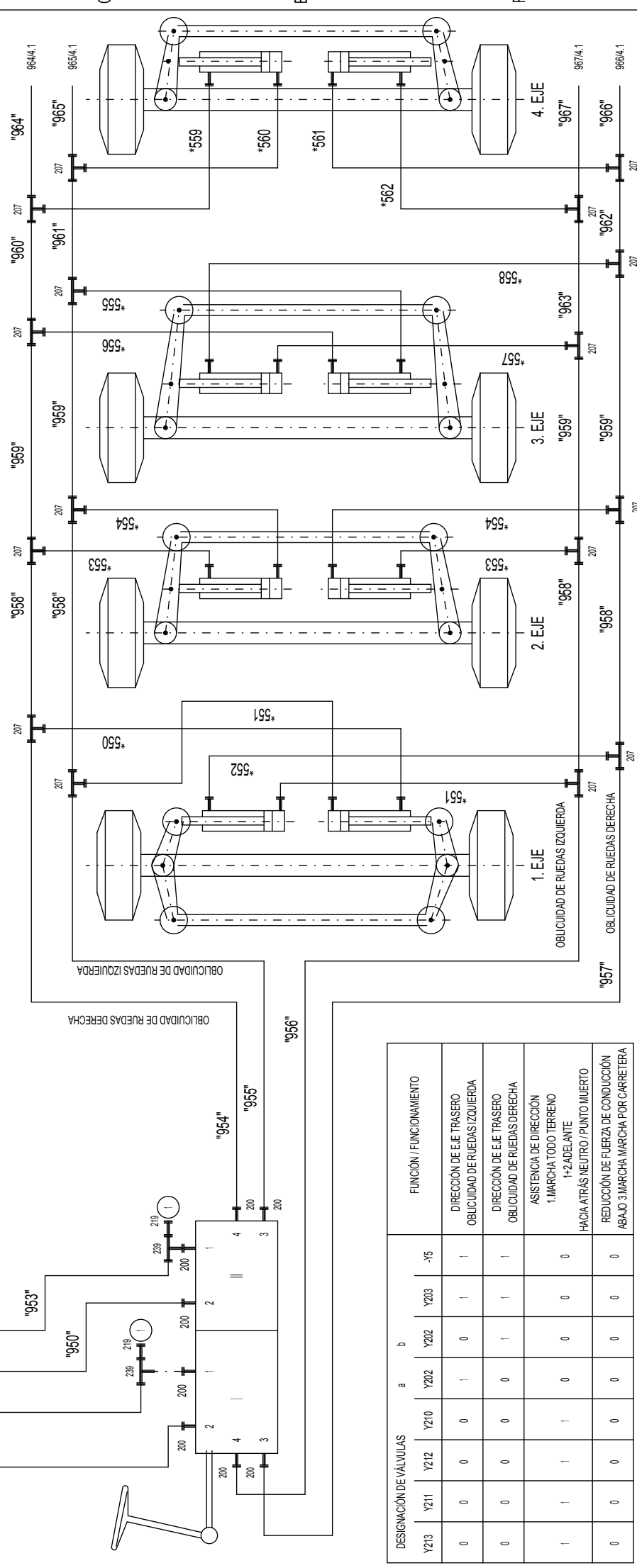
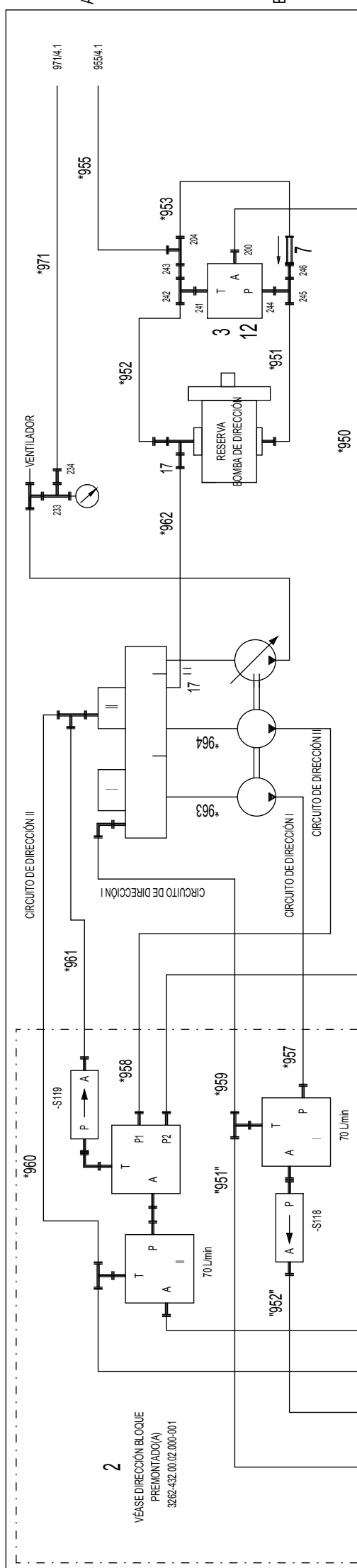
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CONMUTACIÓN DE DIRECCIÓN SISTEMA HIDRÁULICO
DIRECCIÓN SISTEMA HIDRÁULICO
DIRECCIÓN SISTEMA HIDRÁULICO
HOJA ÍNDICE

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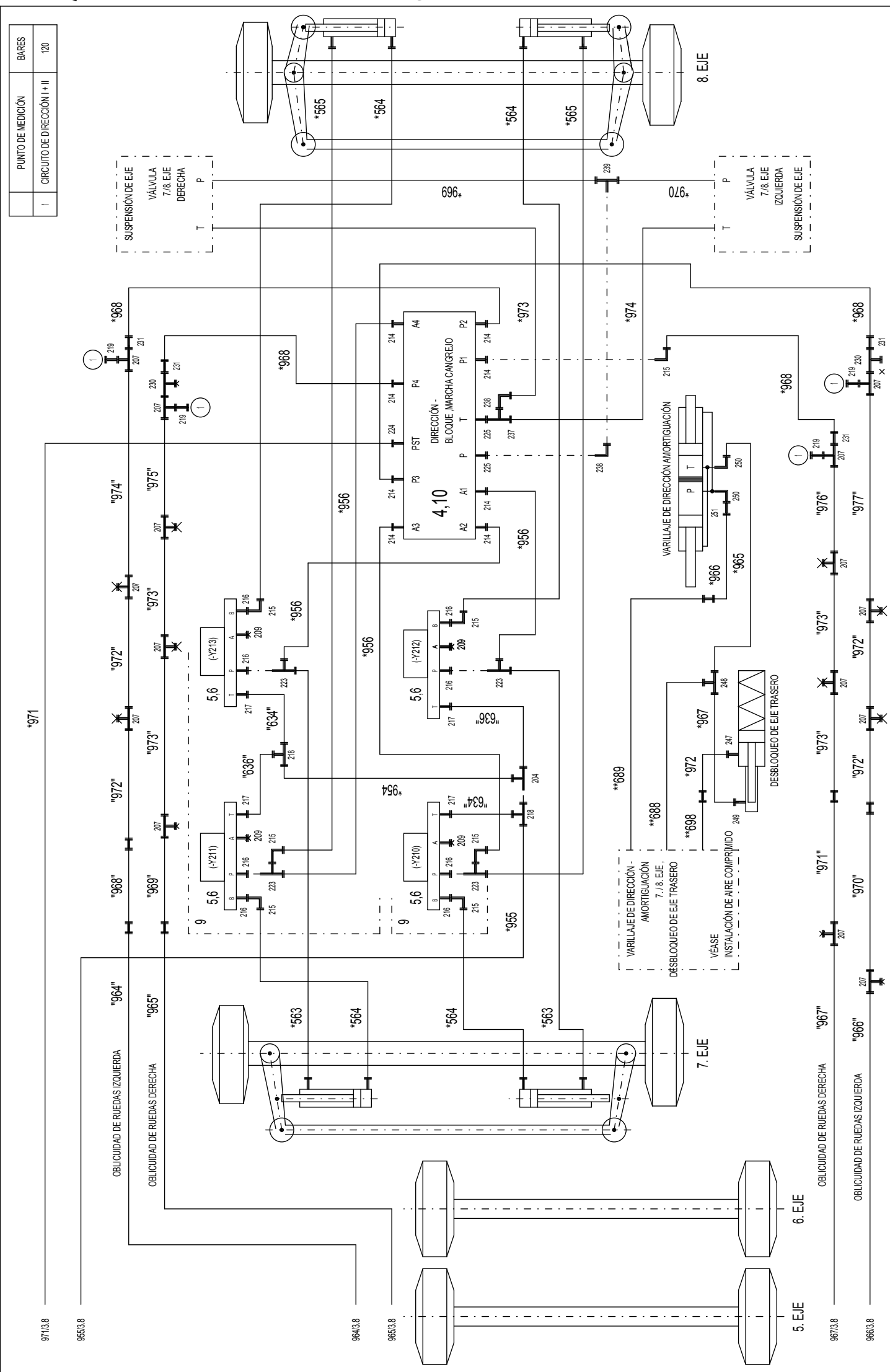
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| 0 | 0 | 0 | 0 | 0 | 1 | 1 | DIRECCIÓN DE EJE TRASERO OBLICUIDAD DE RUEDAS DERECHA | | | | |
| 1 | 1 | 1 | 1 | 0 | 0 | 0 | ASISTENCIA DE DIRECCIÓN 1.MARCHA TODO TERRENO 1+2.ADELANTE HACIA ATRÁS. NEUTRO / PUNTO MUERTO | | | | |
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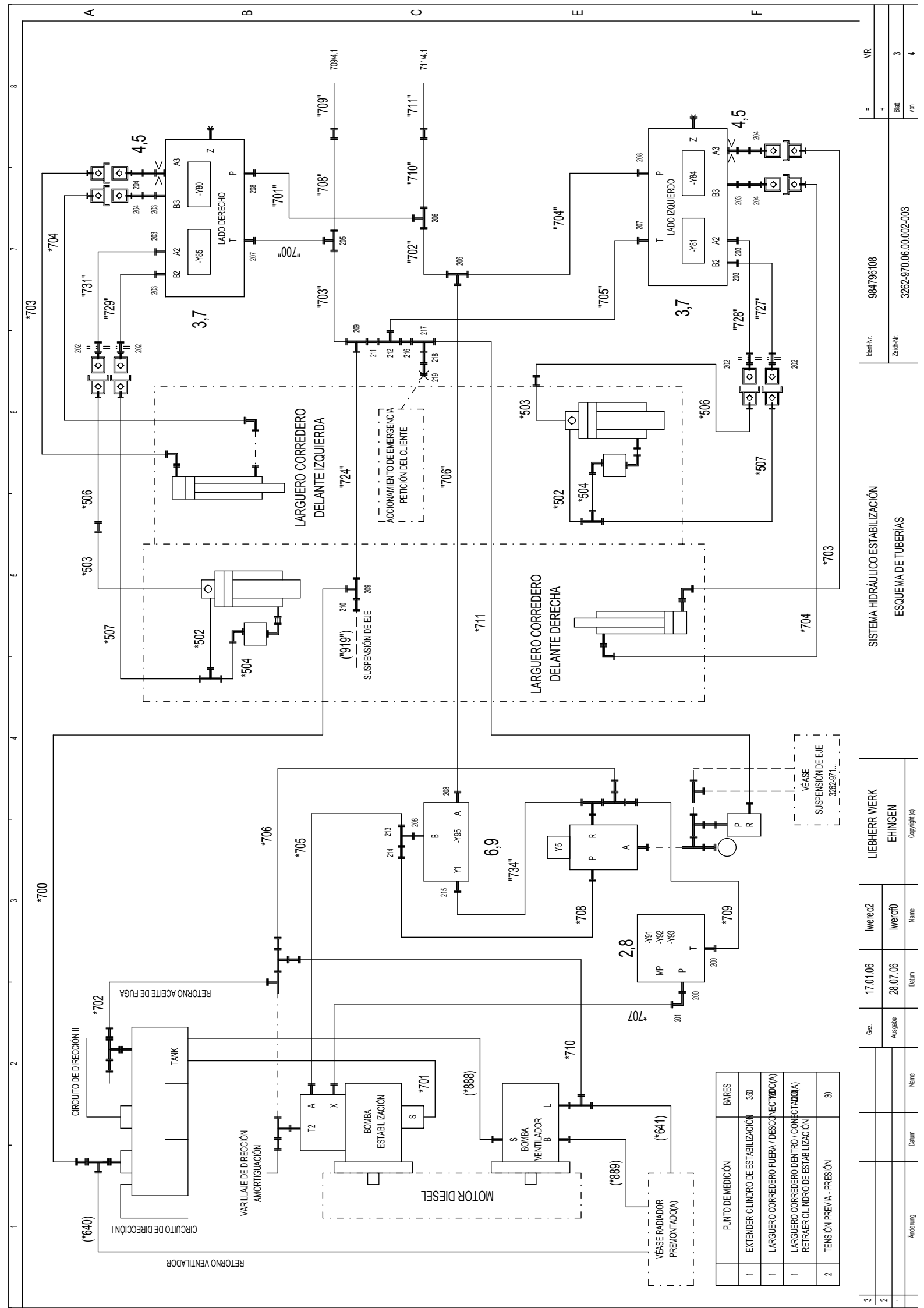
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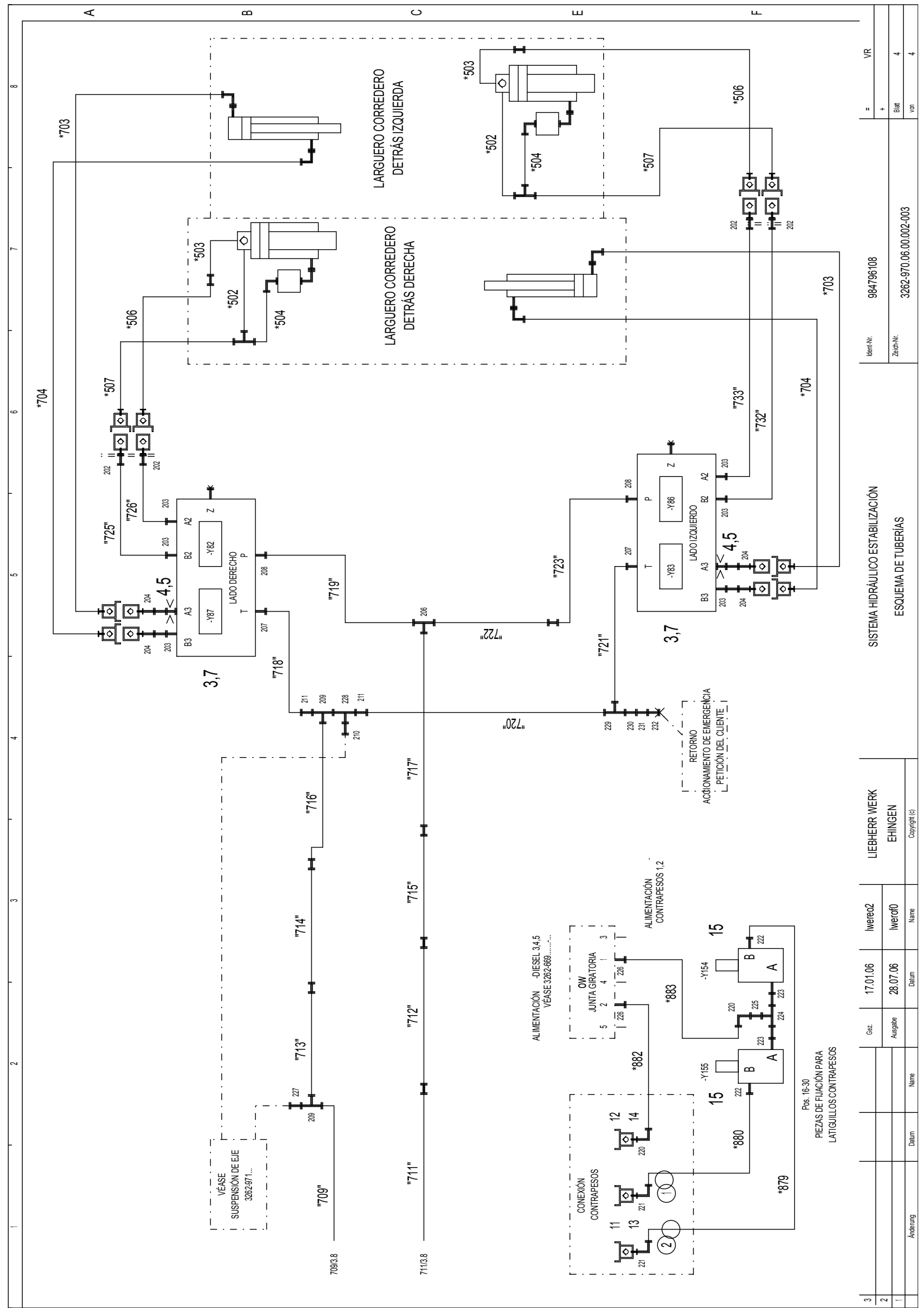
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Copyright (c)

CONMUTACIÓN DE DIRECCIÓN SISTEMA HIDRÁULICO

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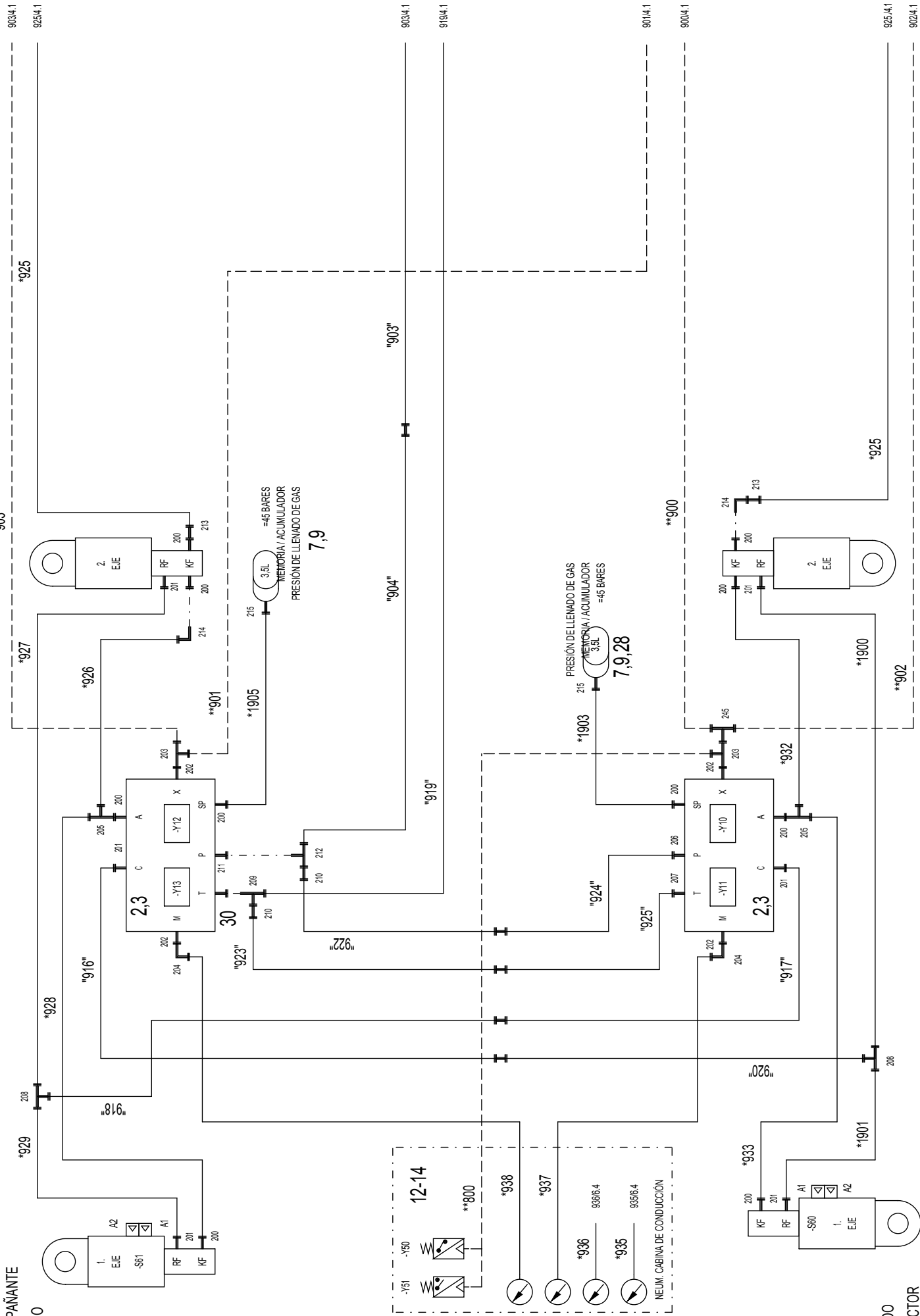
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LADO DEL ACOMPAÑANTE

LADO DERECHO



LADO IZQUIERDO

LADO DEL CONDUCTOR

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Ausgabe

Datum

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28.07.06

Datum

lweroc2

lwerof0

Name

LIEBHERR WERK

EHINGEN

Copyright (c)

SISTEMA HIDRÁULICO SUSPENSIÓN DE EJE

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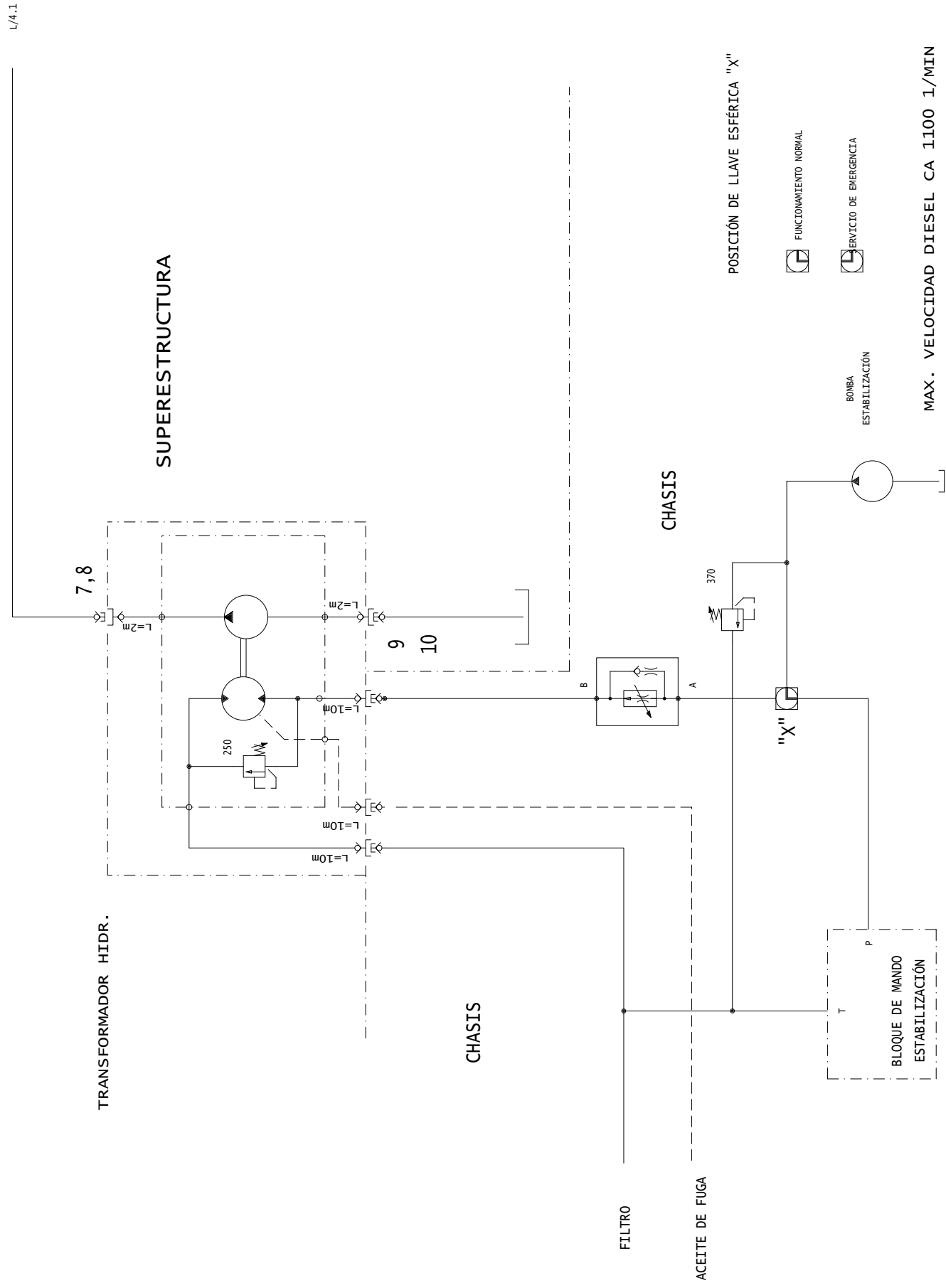
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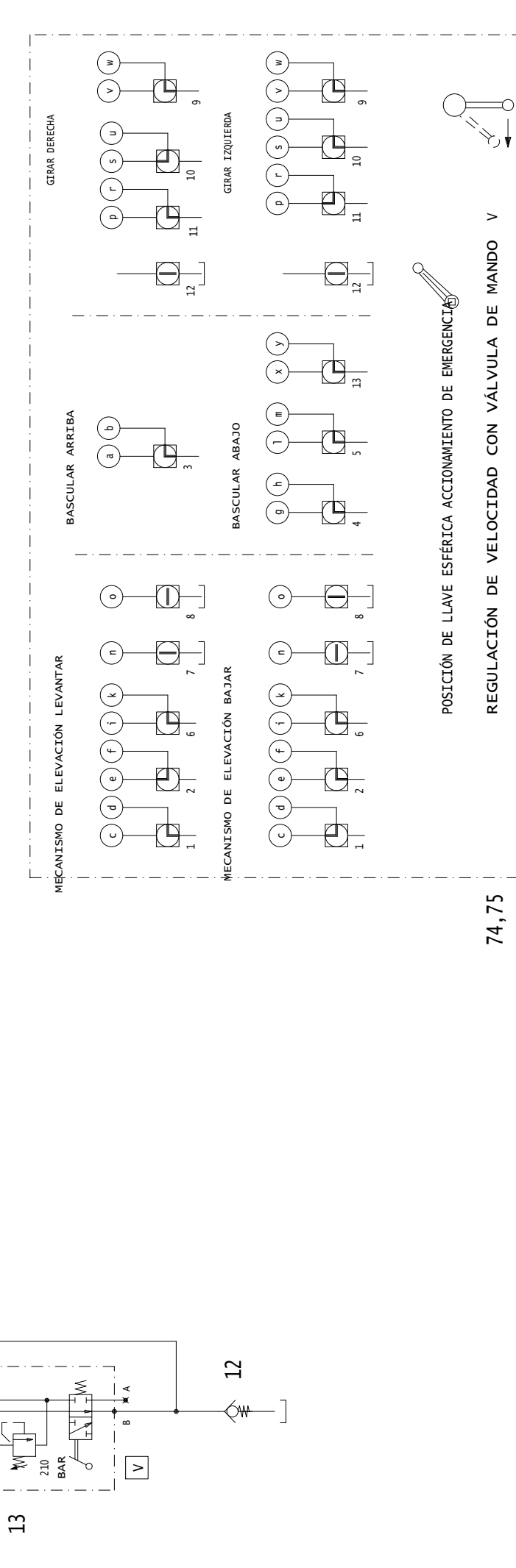
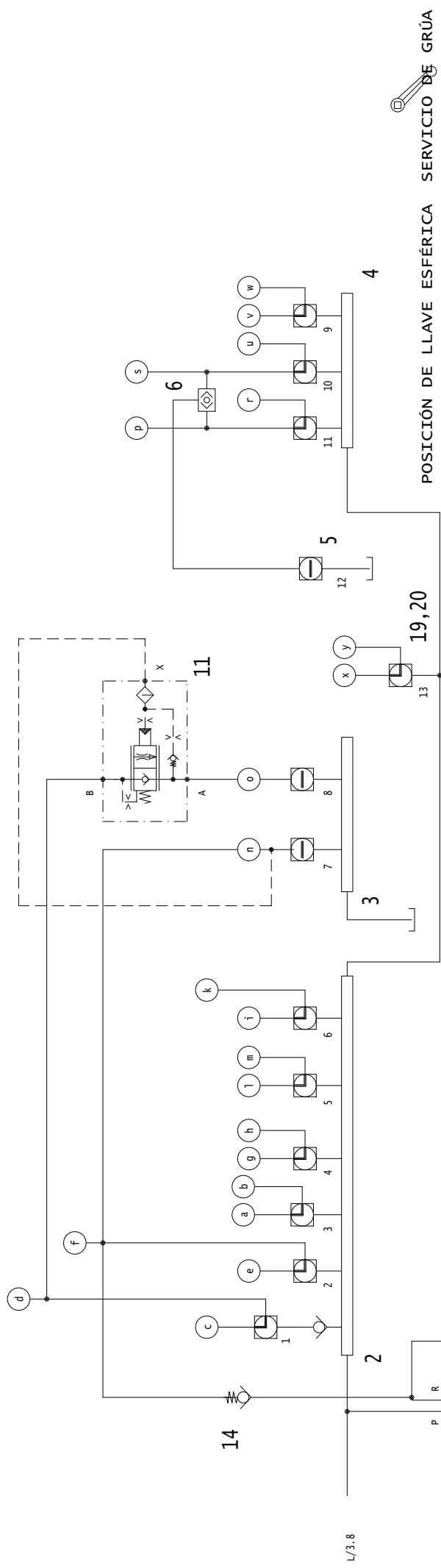
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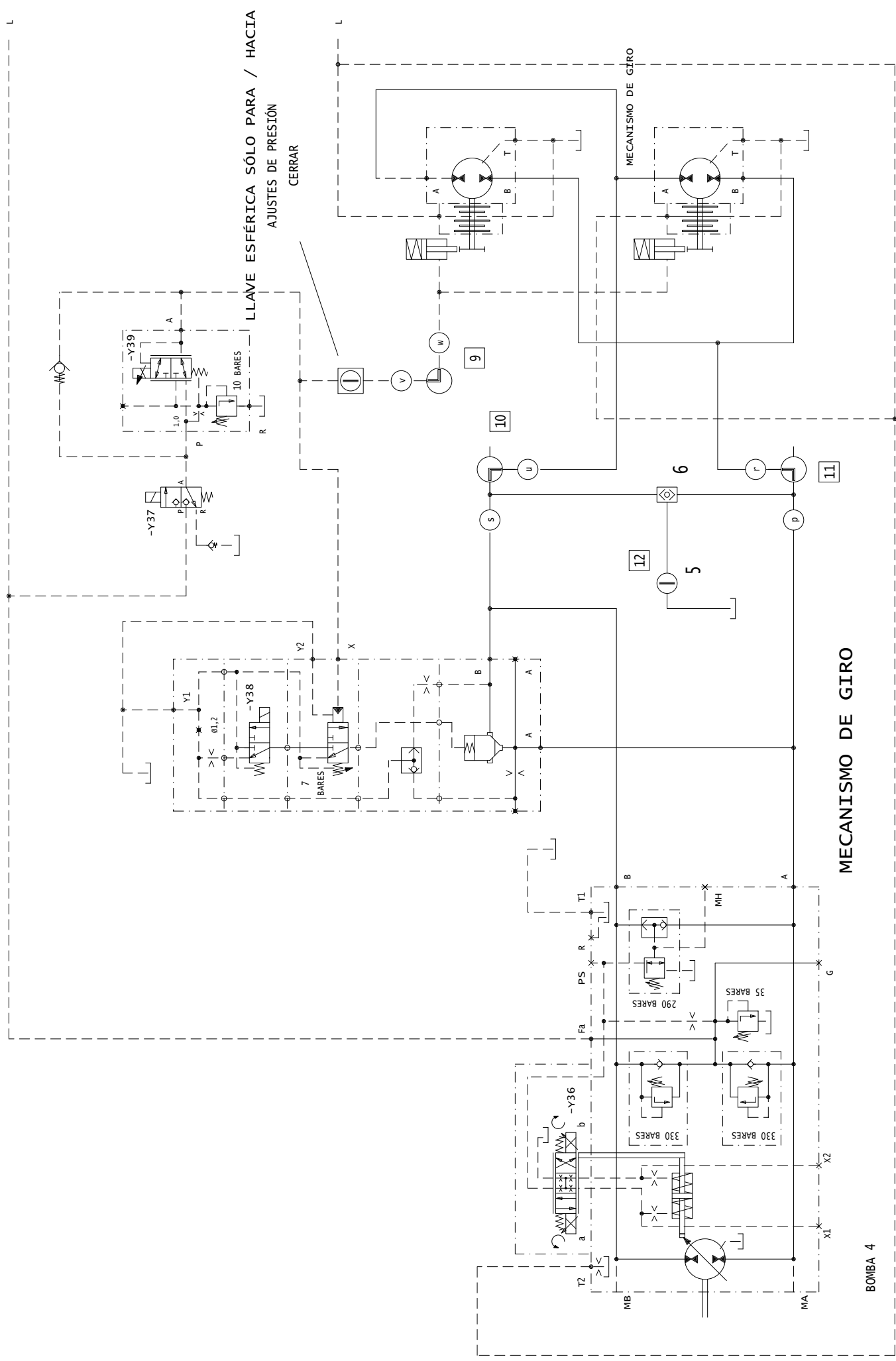
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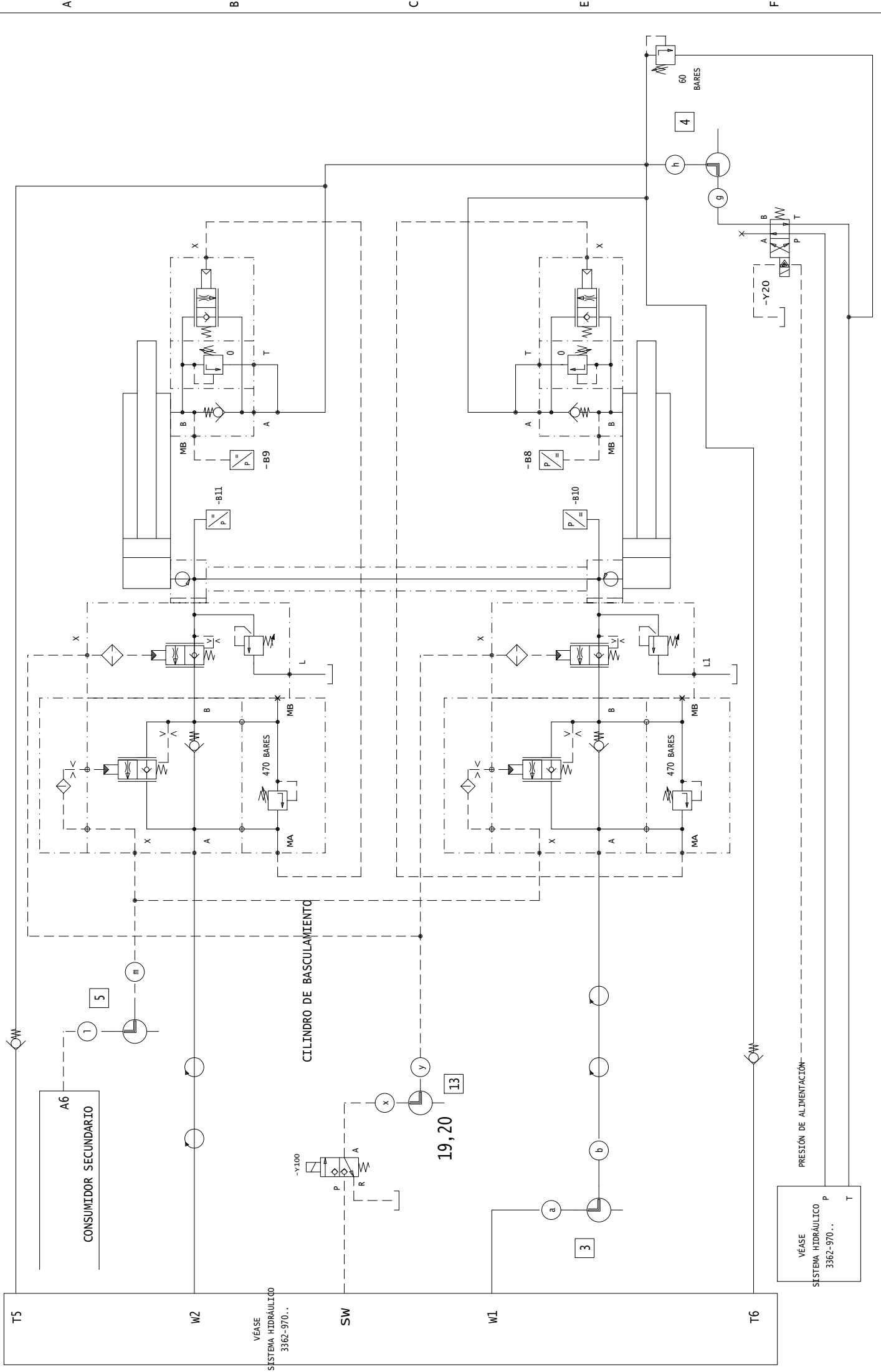


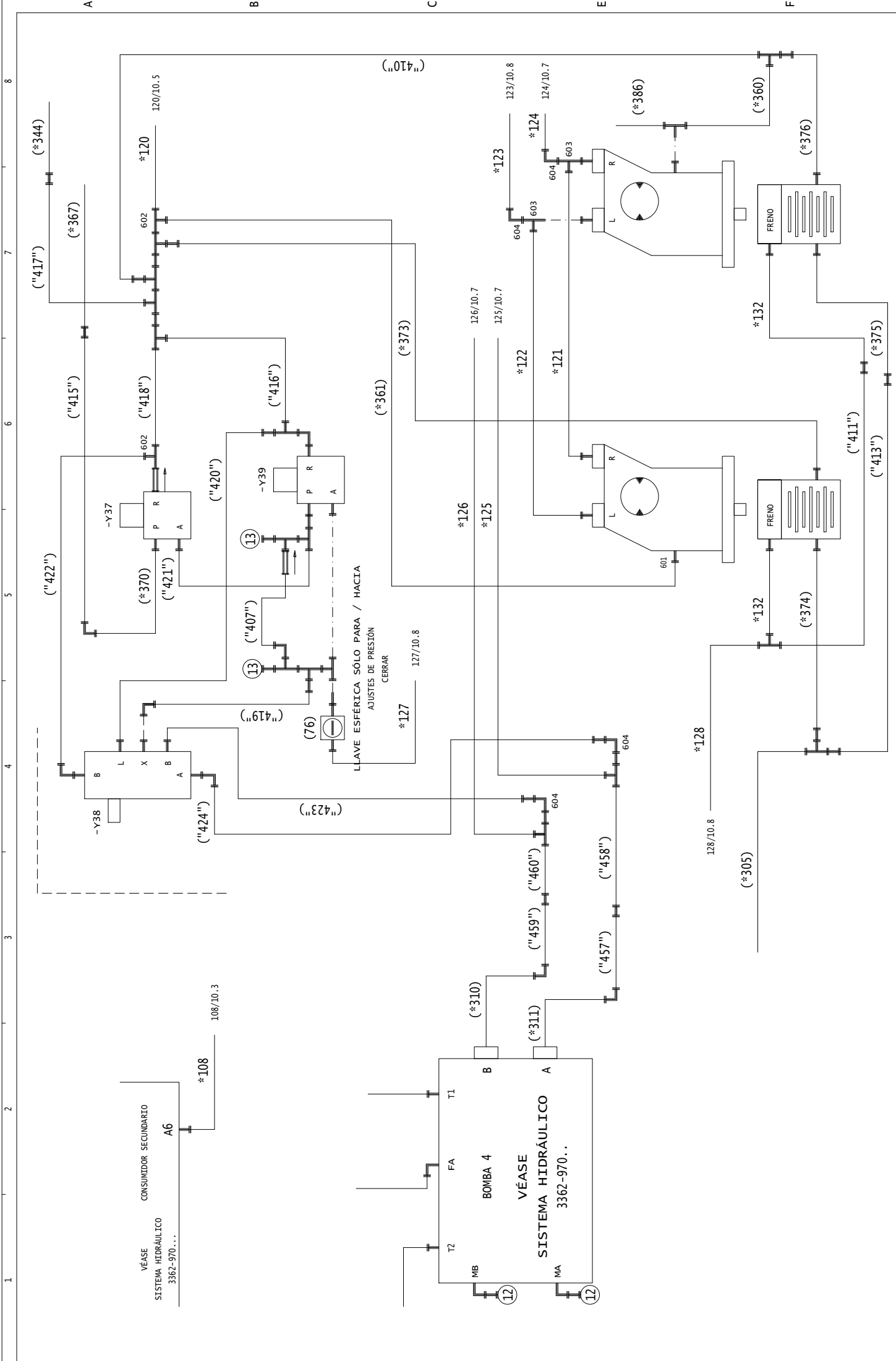
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| | | | | | | | Copyright (c) | | | | | von | | 10 |
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SISTEMA HIDRÁULICO ADICIONAL

CABRESTANTE II

LTM 1500-8.1

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HOJA ÍNDICE

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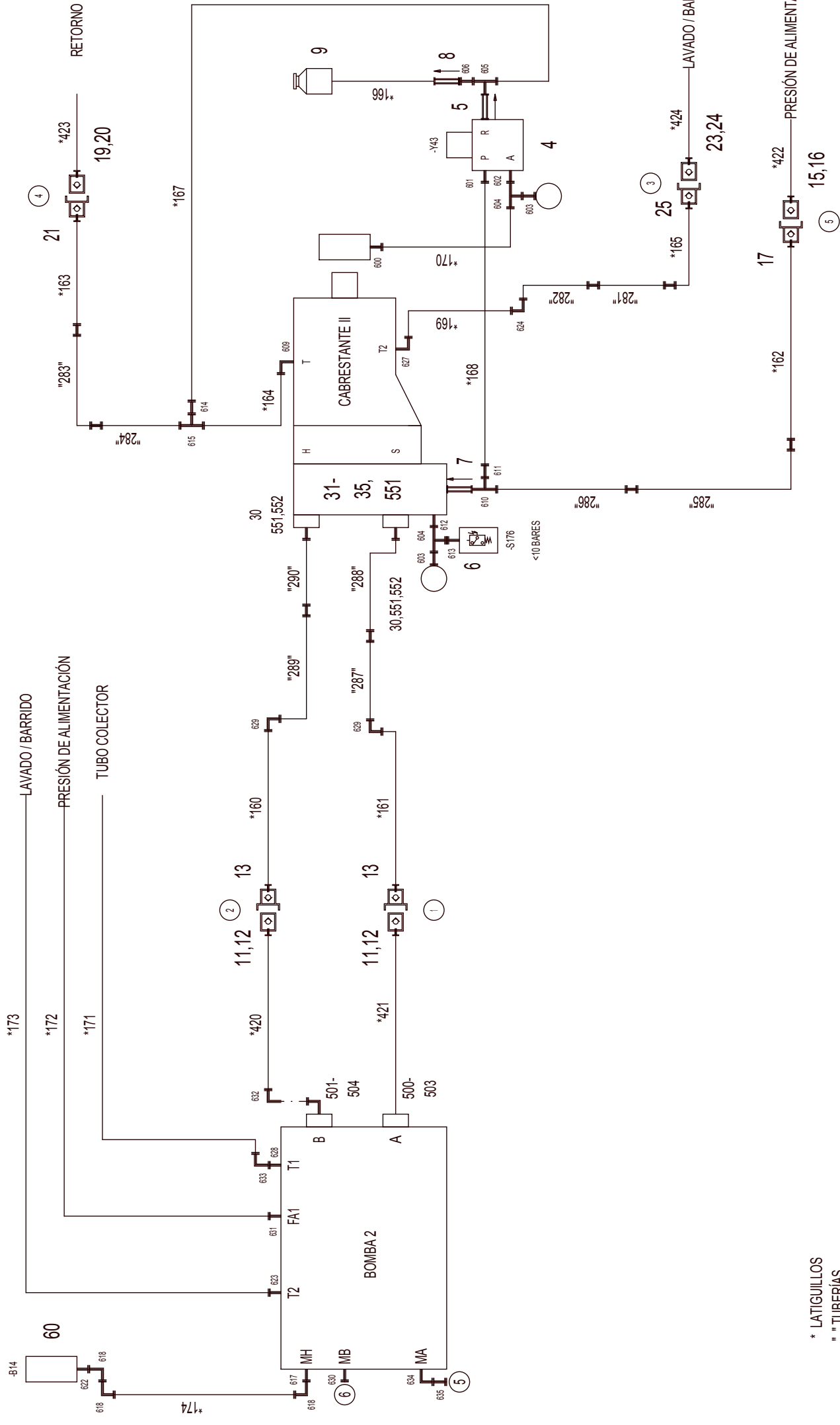
HOJA ÍNDICE

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SISTEMA HIDRÁULICO ADICIONAL CABRESTANTE II

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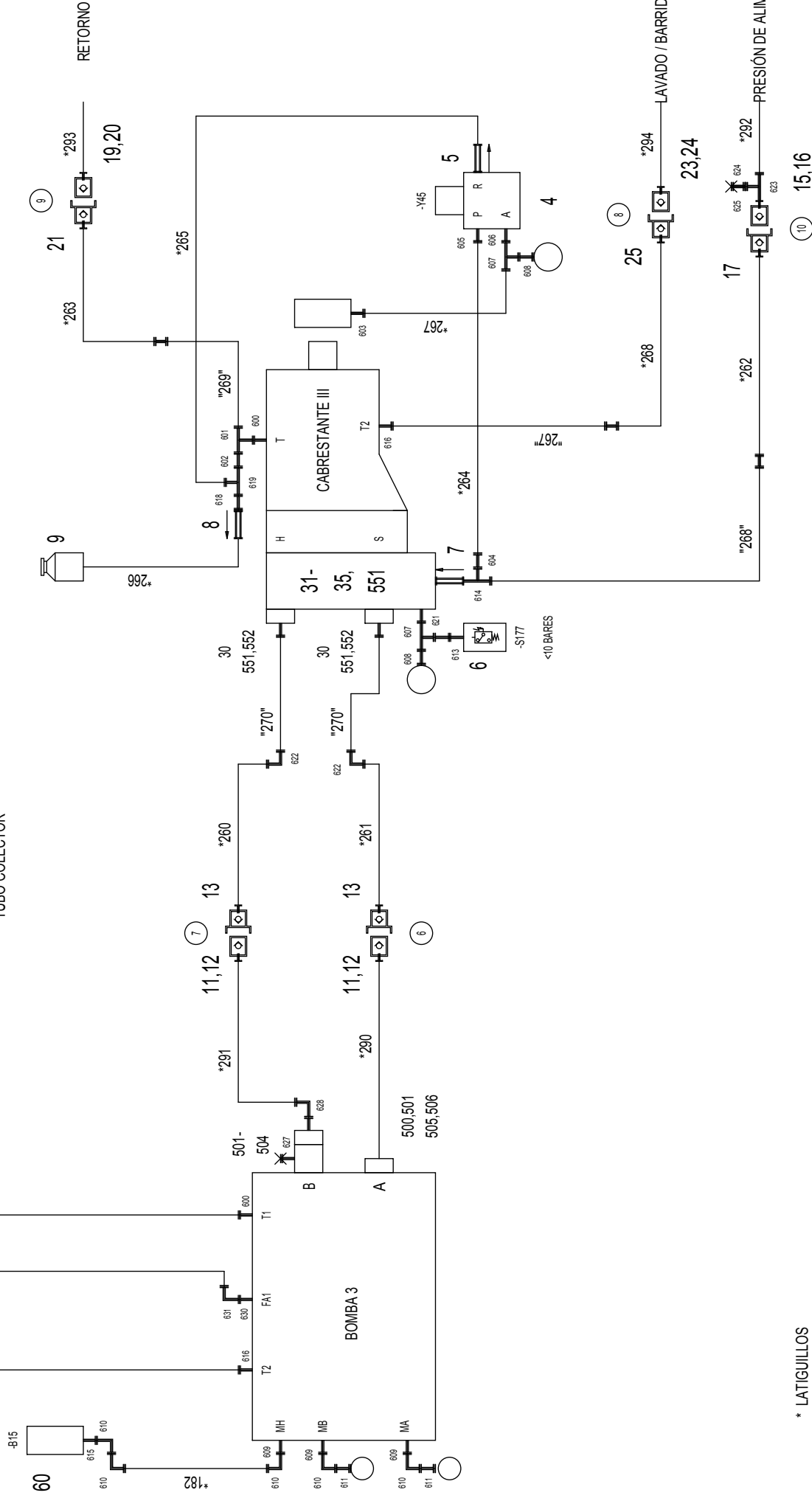
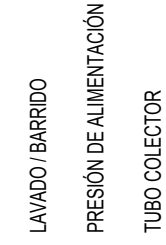
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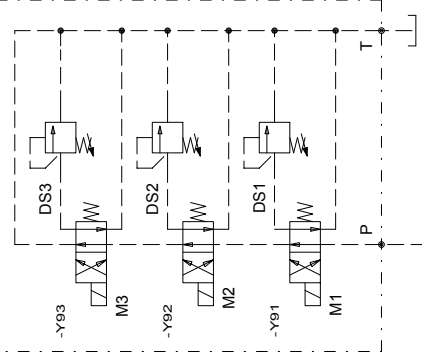
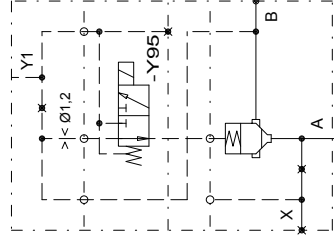
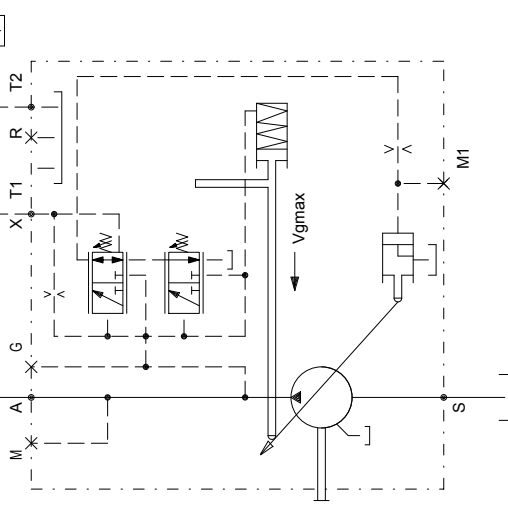
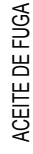
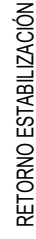
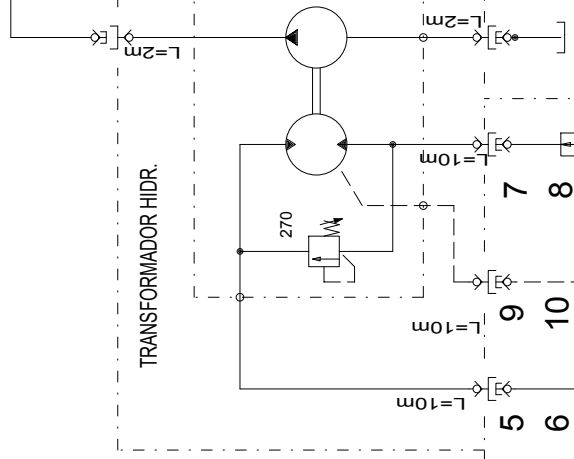
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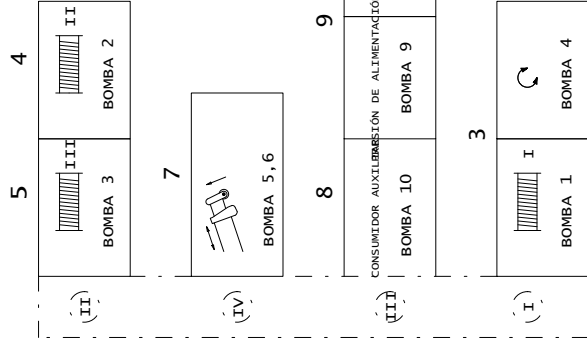
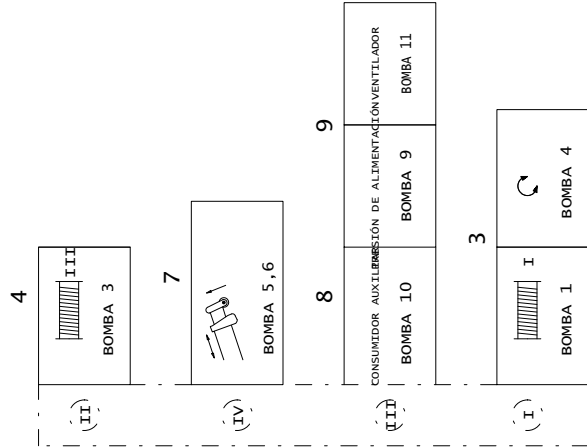
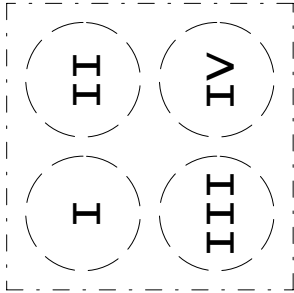
LTM 1500-8.1

MONTAJE DE BOMBA EN CAJA TRÁNSFER

MONTAJE DE BOMBA EN CAJA TRÁNSFER

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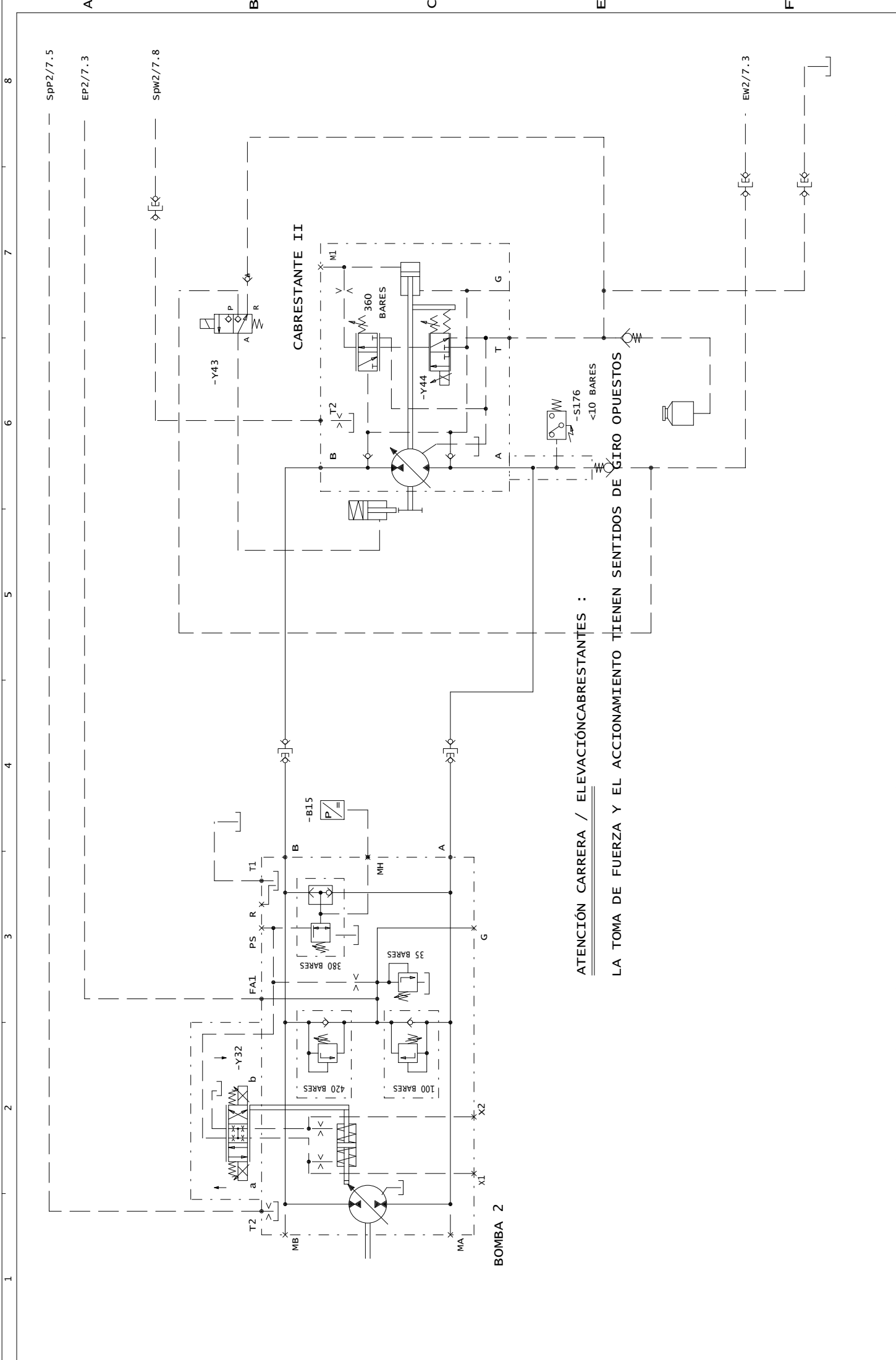
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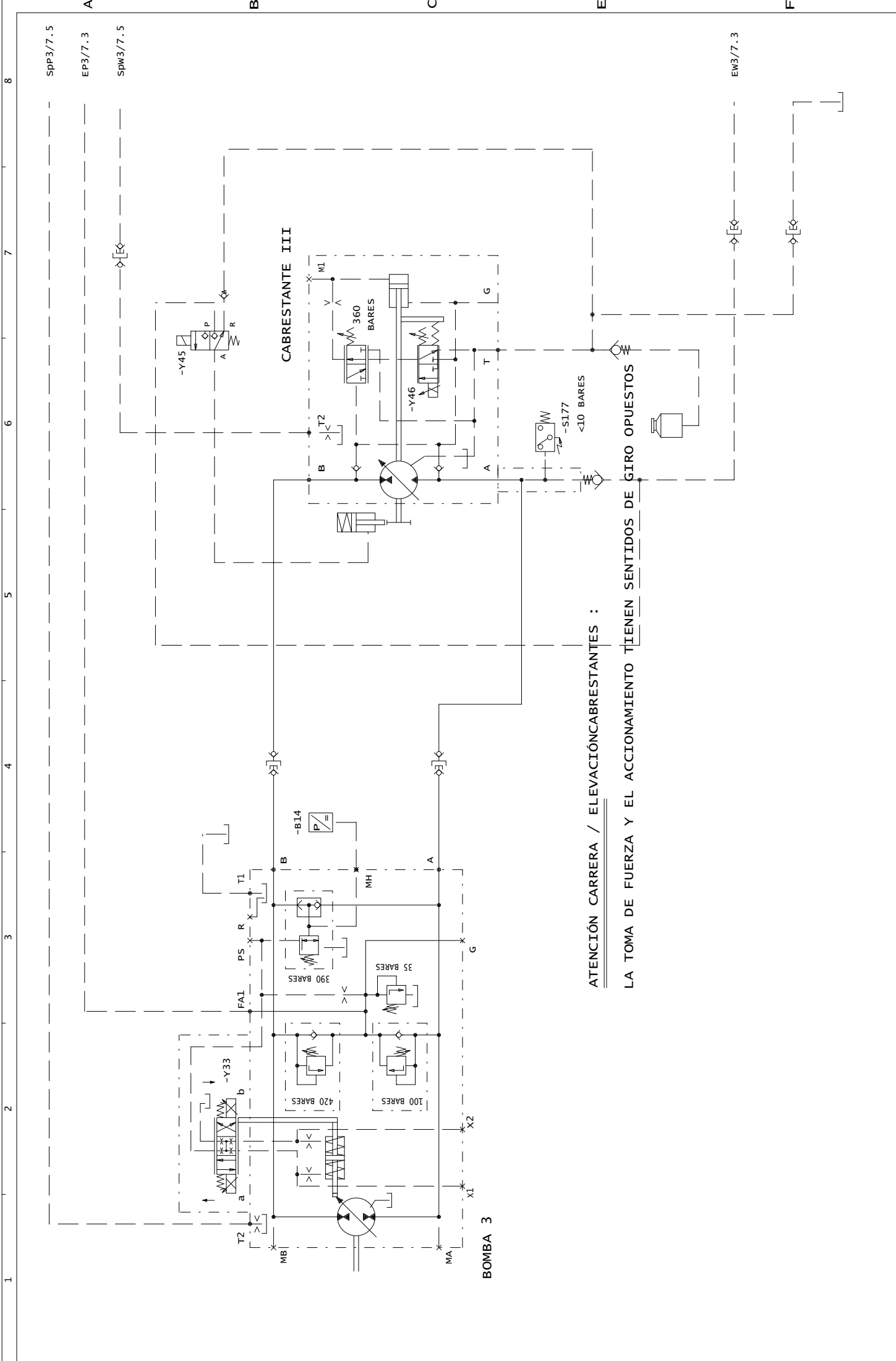
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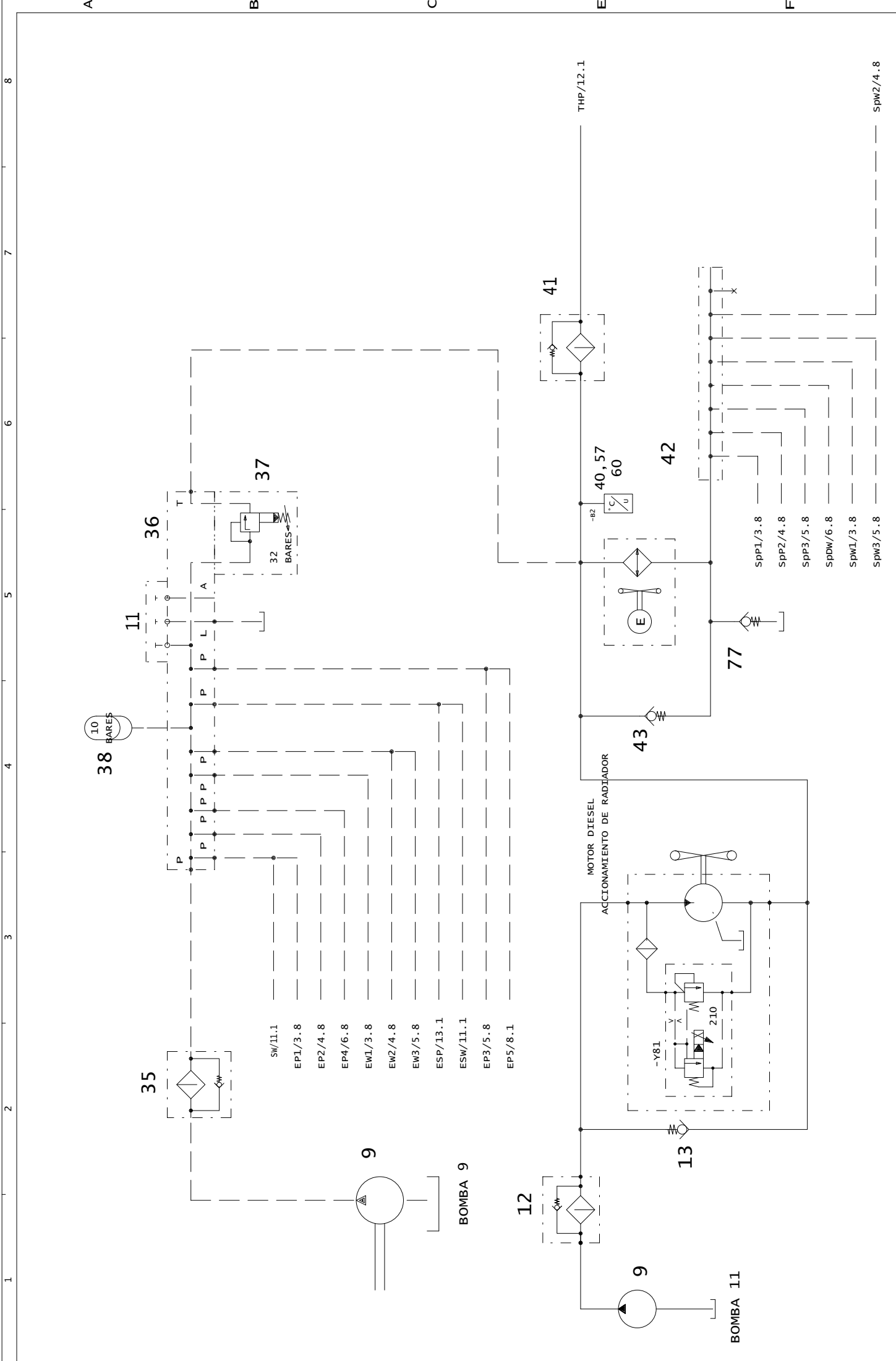
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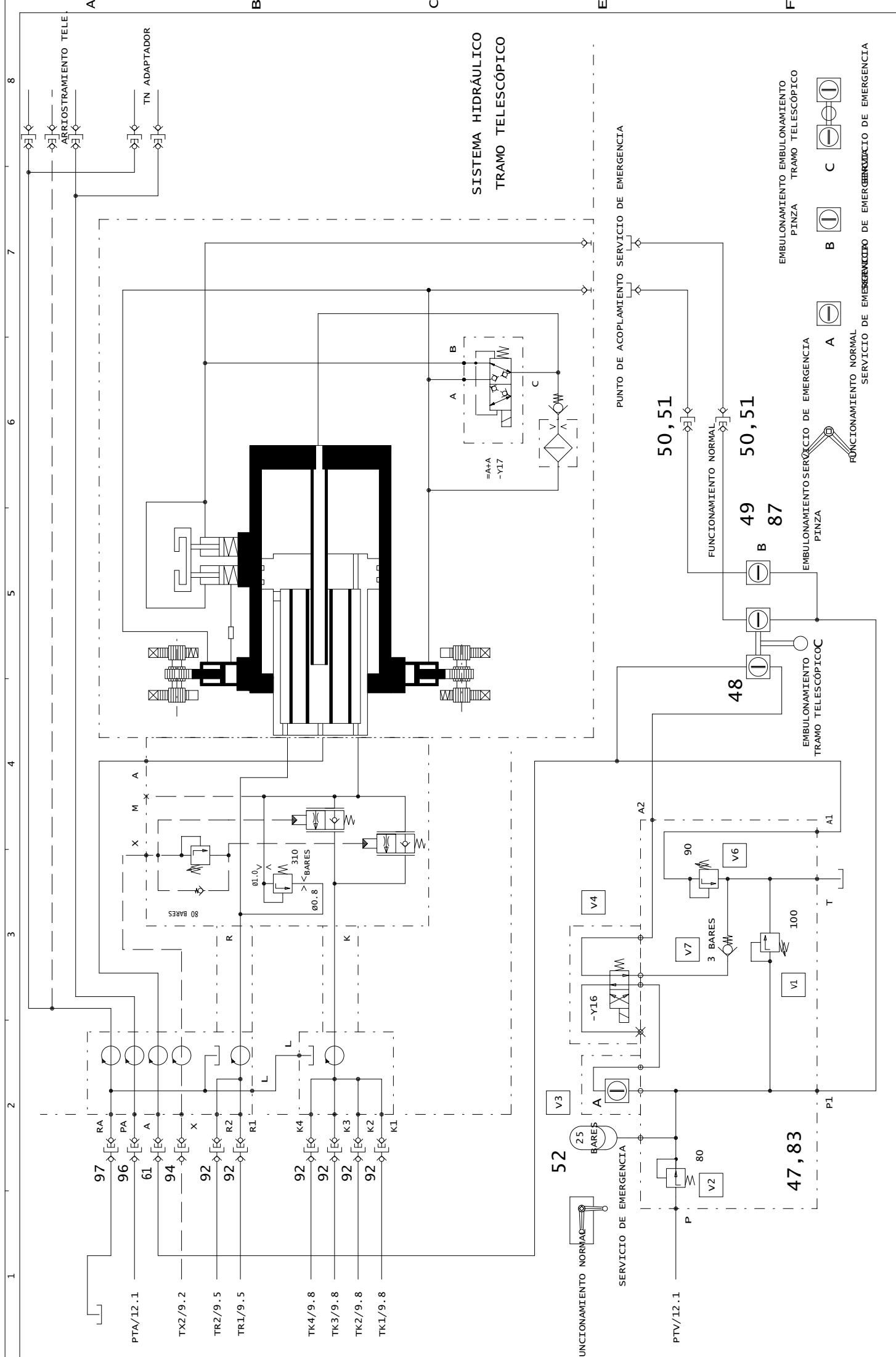


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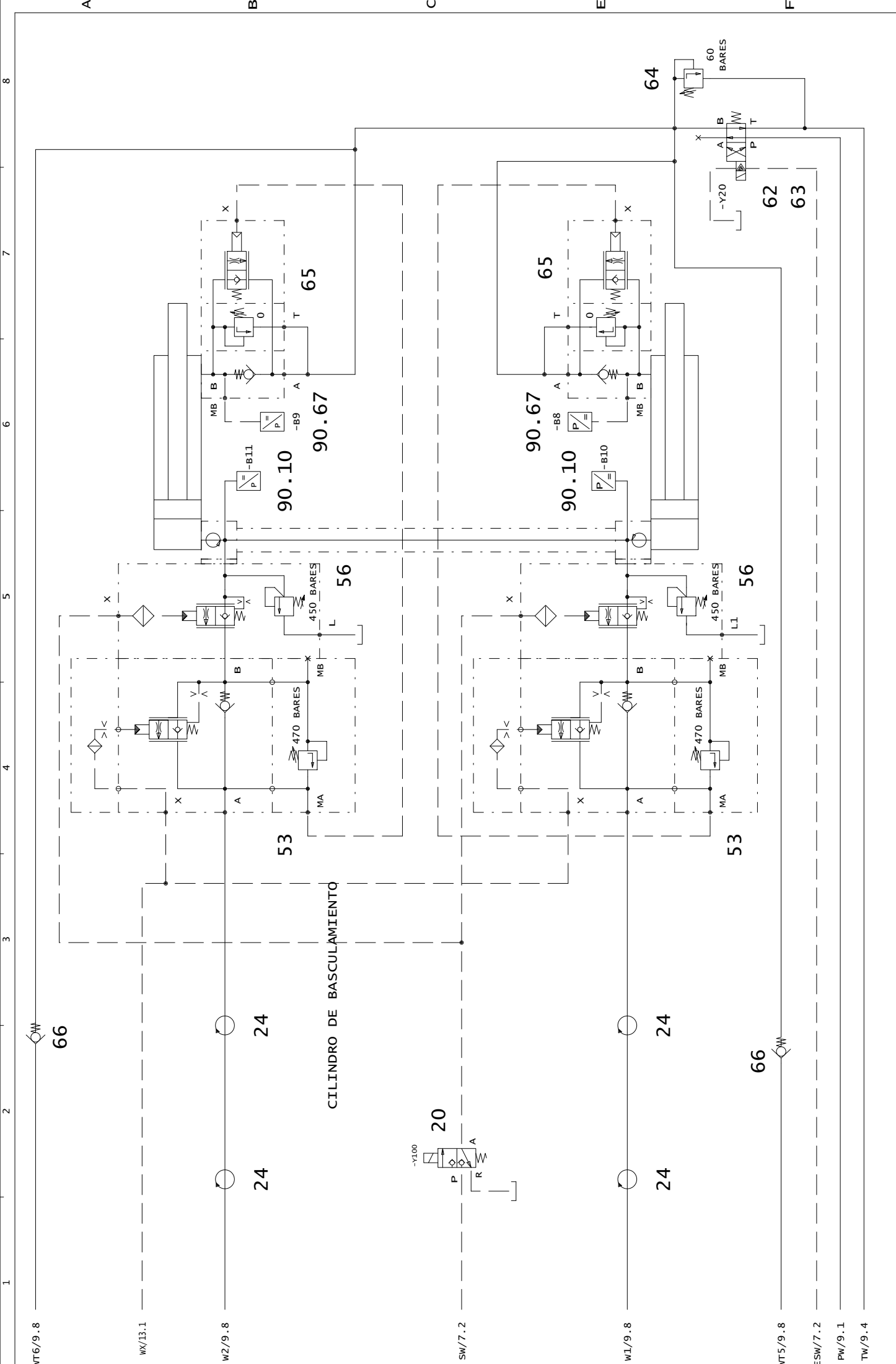




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| 3 | | | | Gez. | 21.03.11 | 1 | tweryd0 | LIEBHERR WERK | SYSTEMA HIDRÁULICO | | | Ident-Nr. | 987194308 | = | D |
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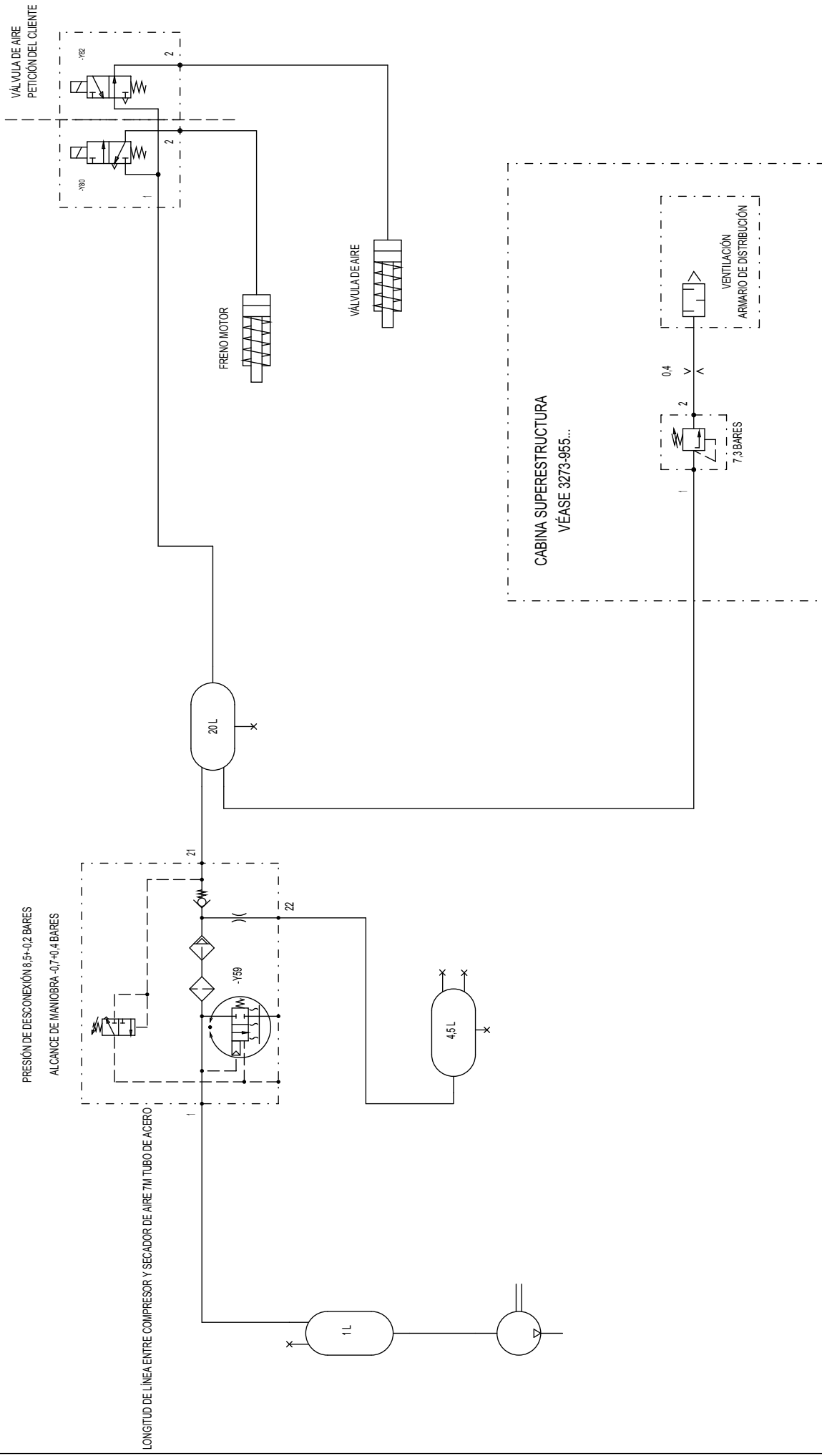


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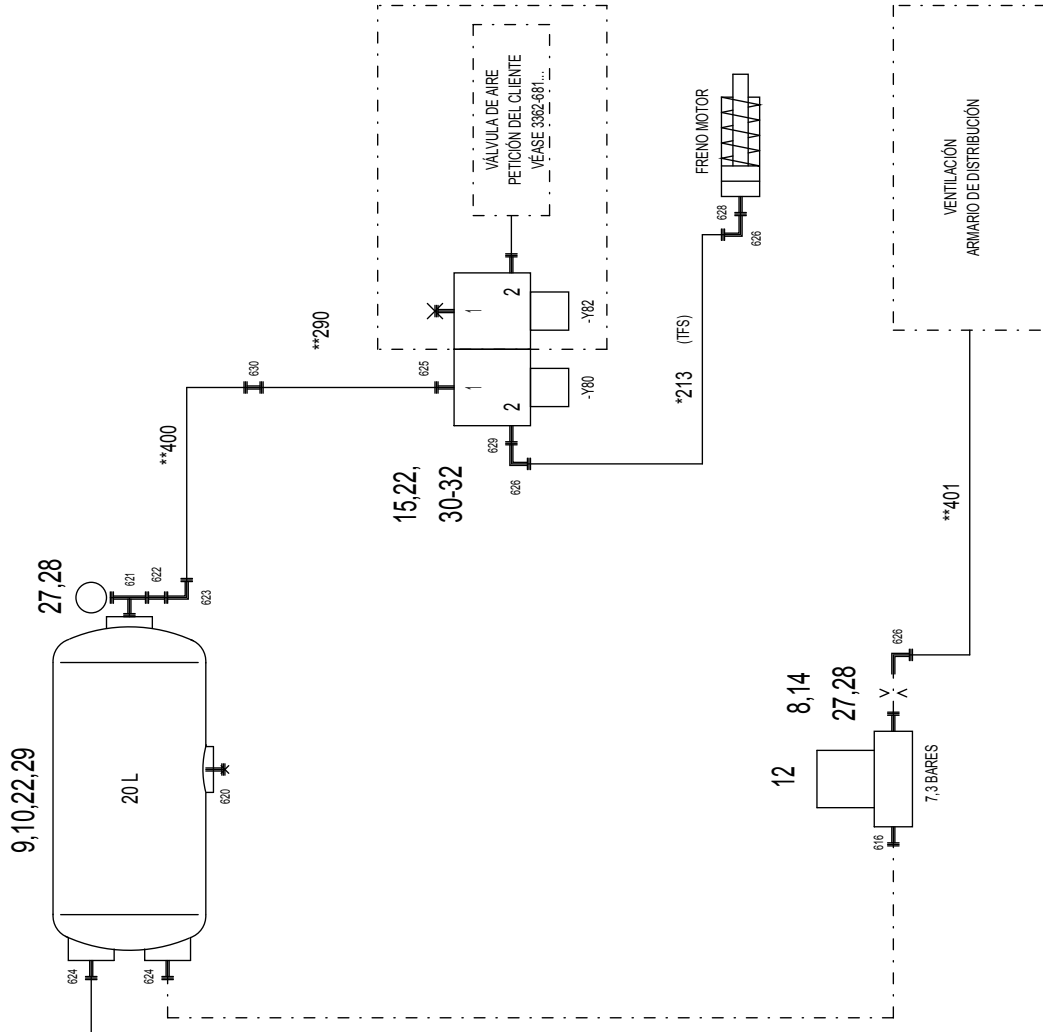
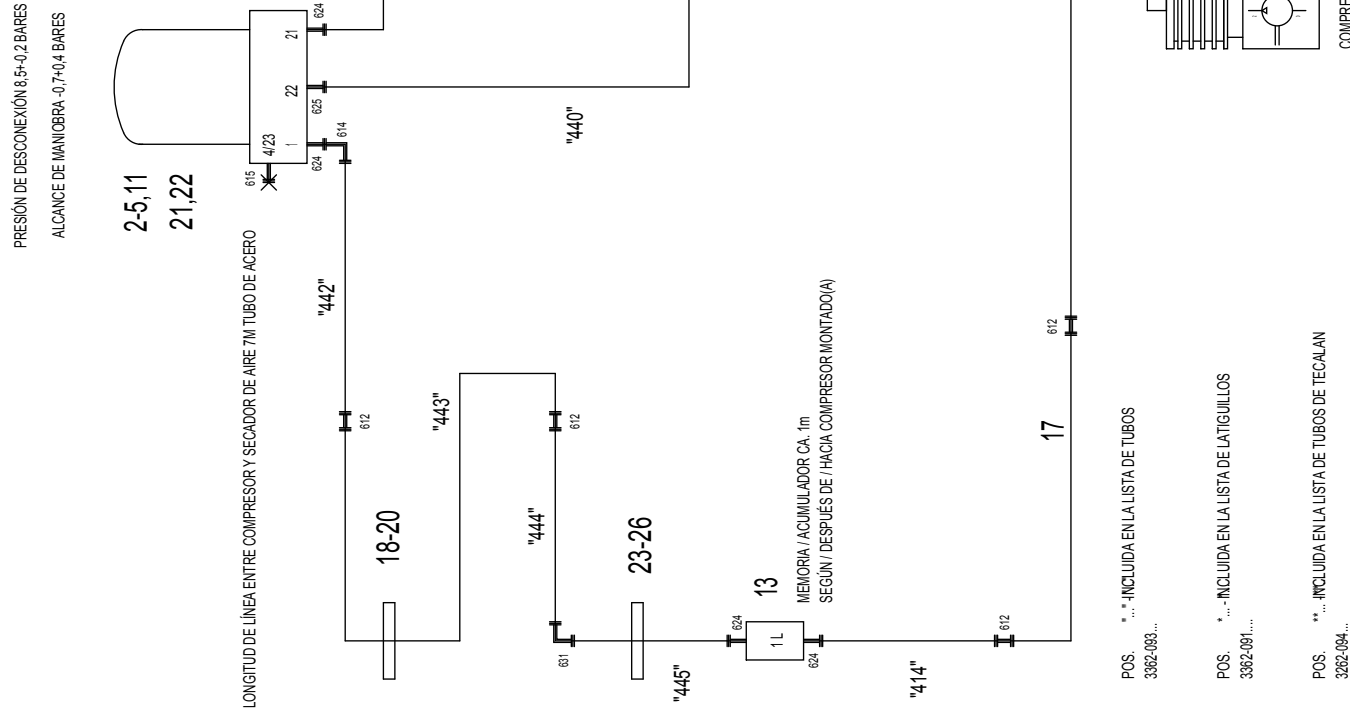


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LTM 1250-6.1 / 1300-6.1
LTM 1400-7.1 / 1500-8.1
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NEUM. CABINA DE CONDUCCIÓN
ESQUEMA DE TUBERÍAS

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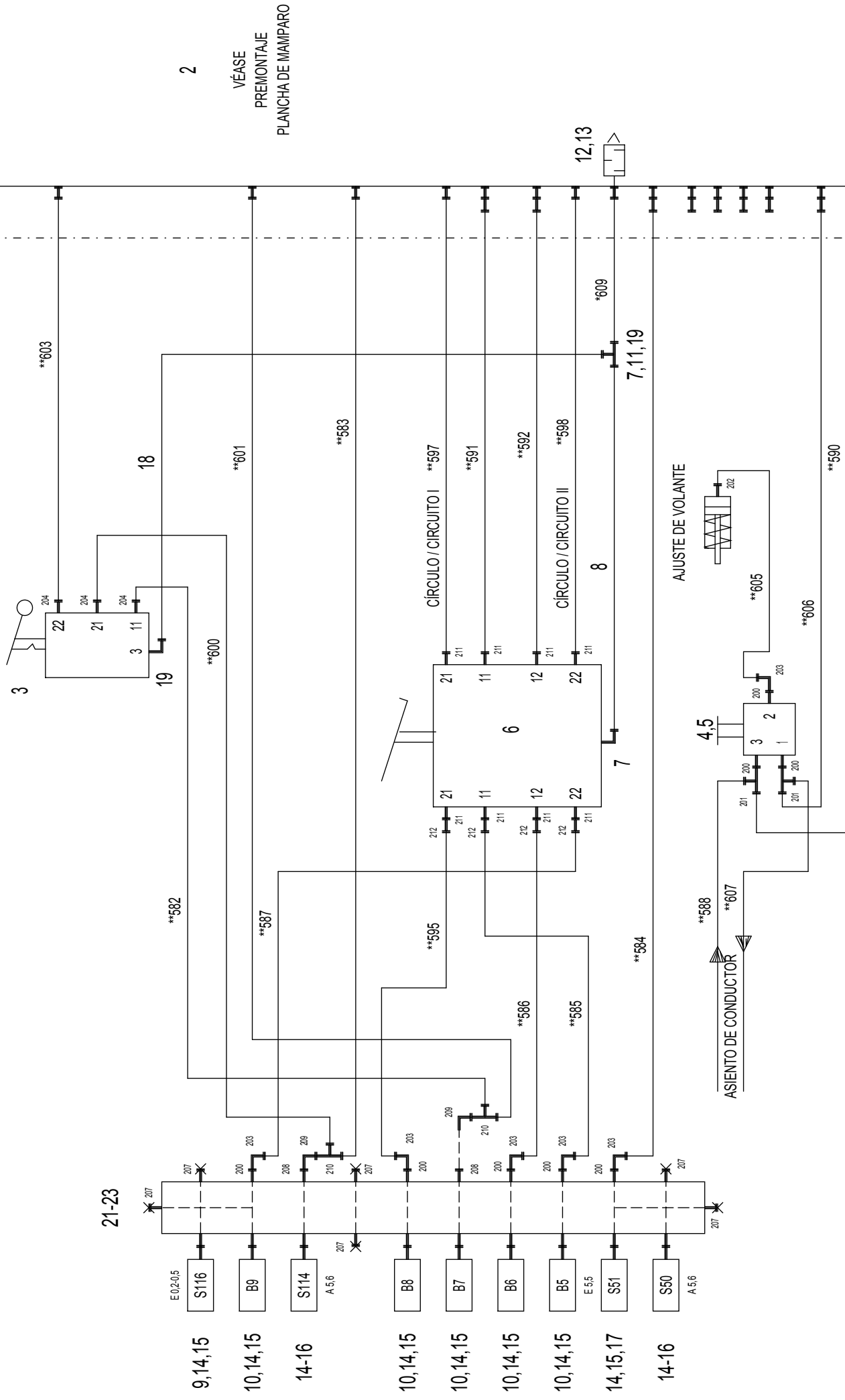
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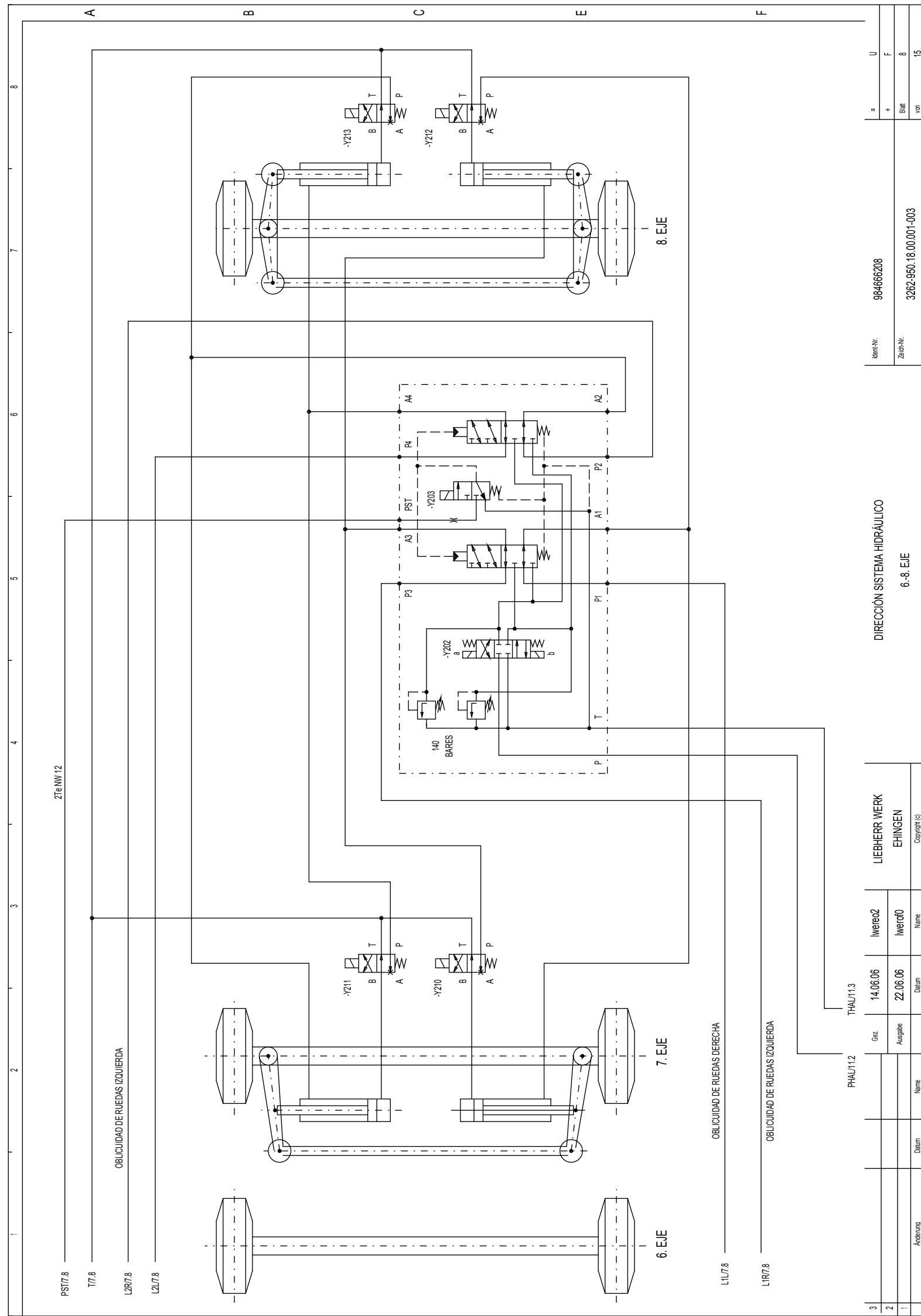
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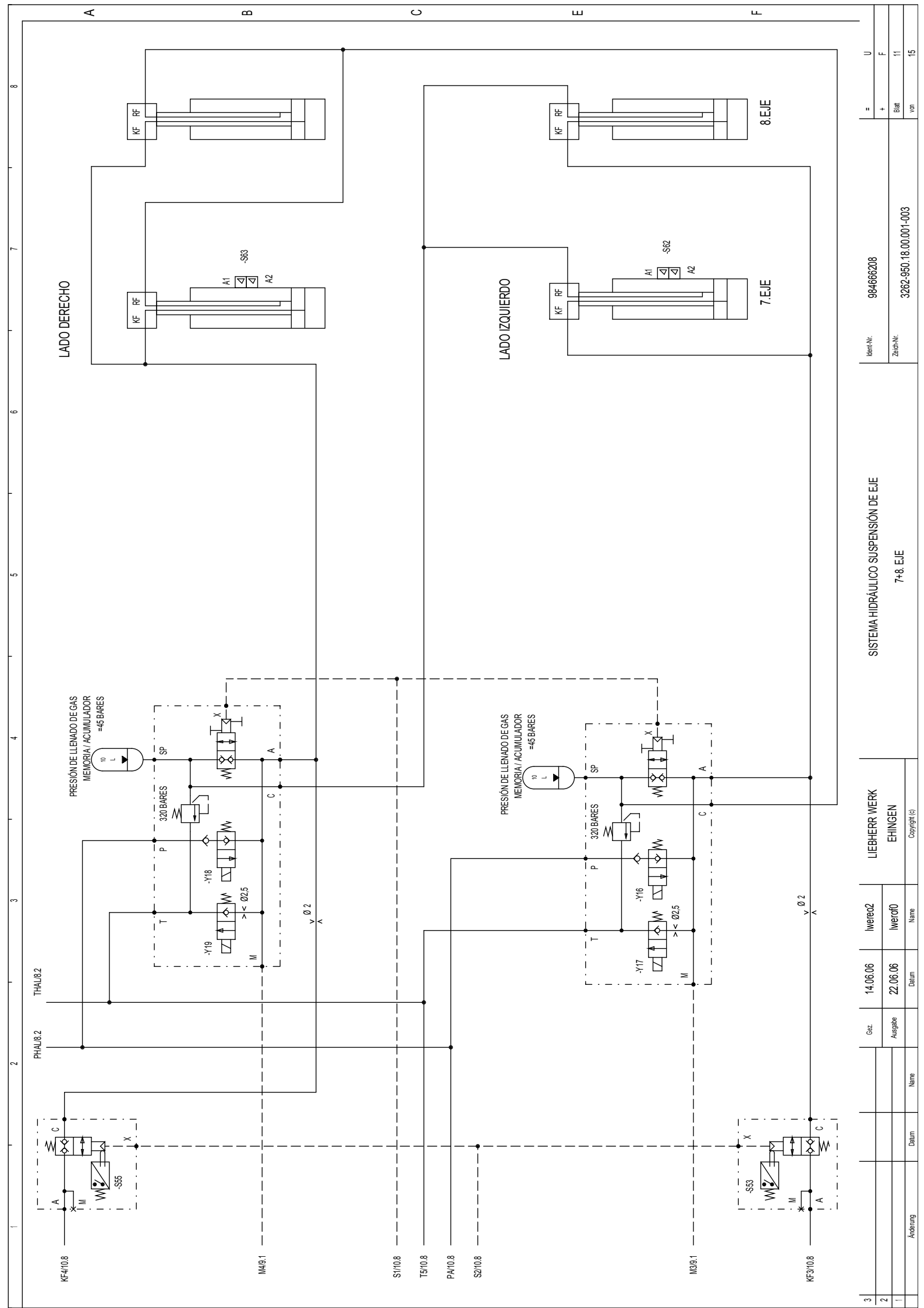
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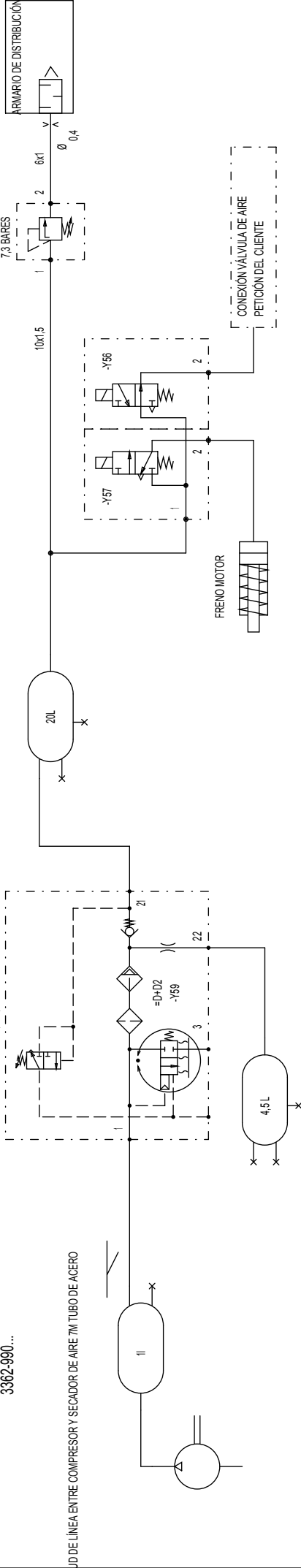
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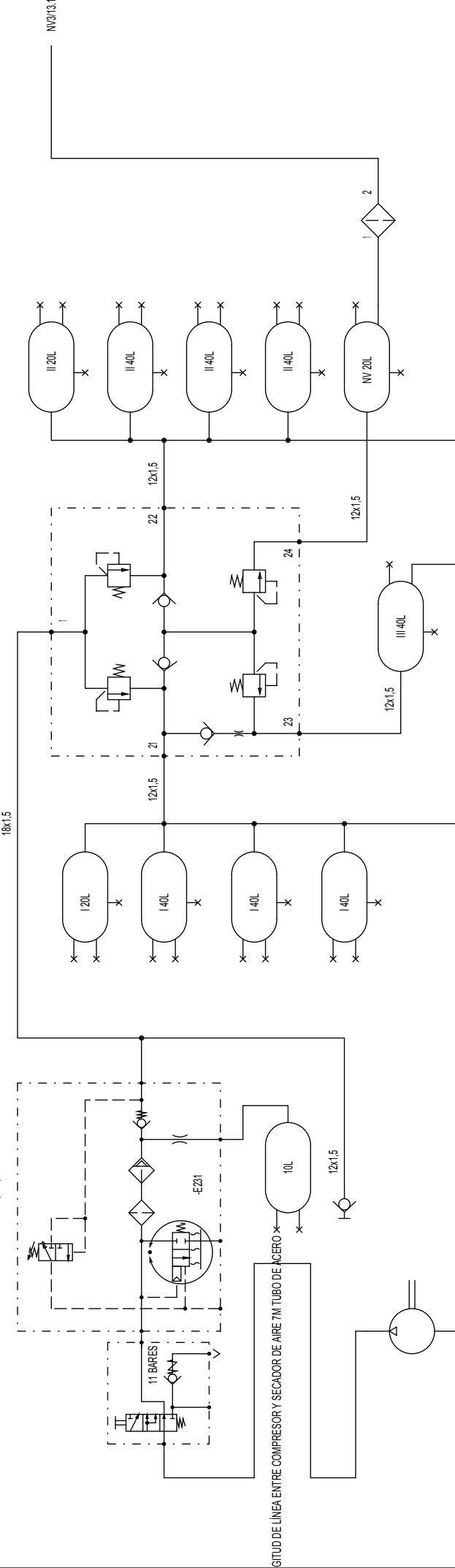
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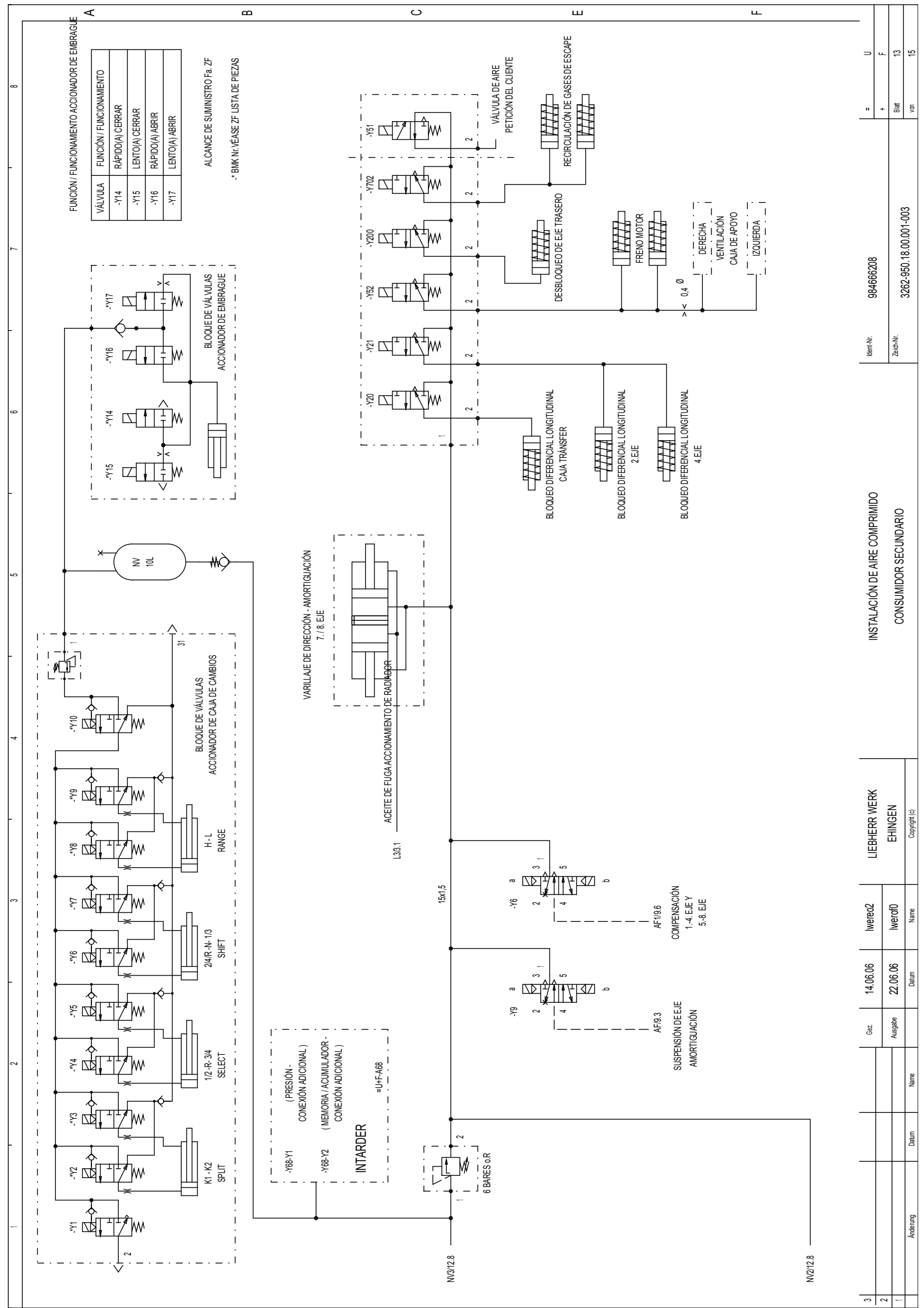
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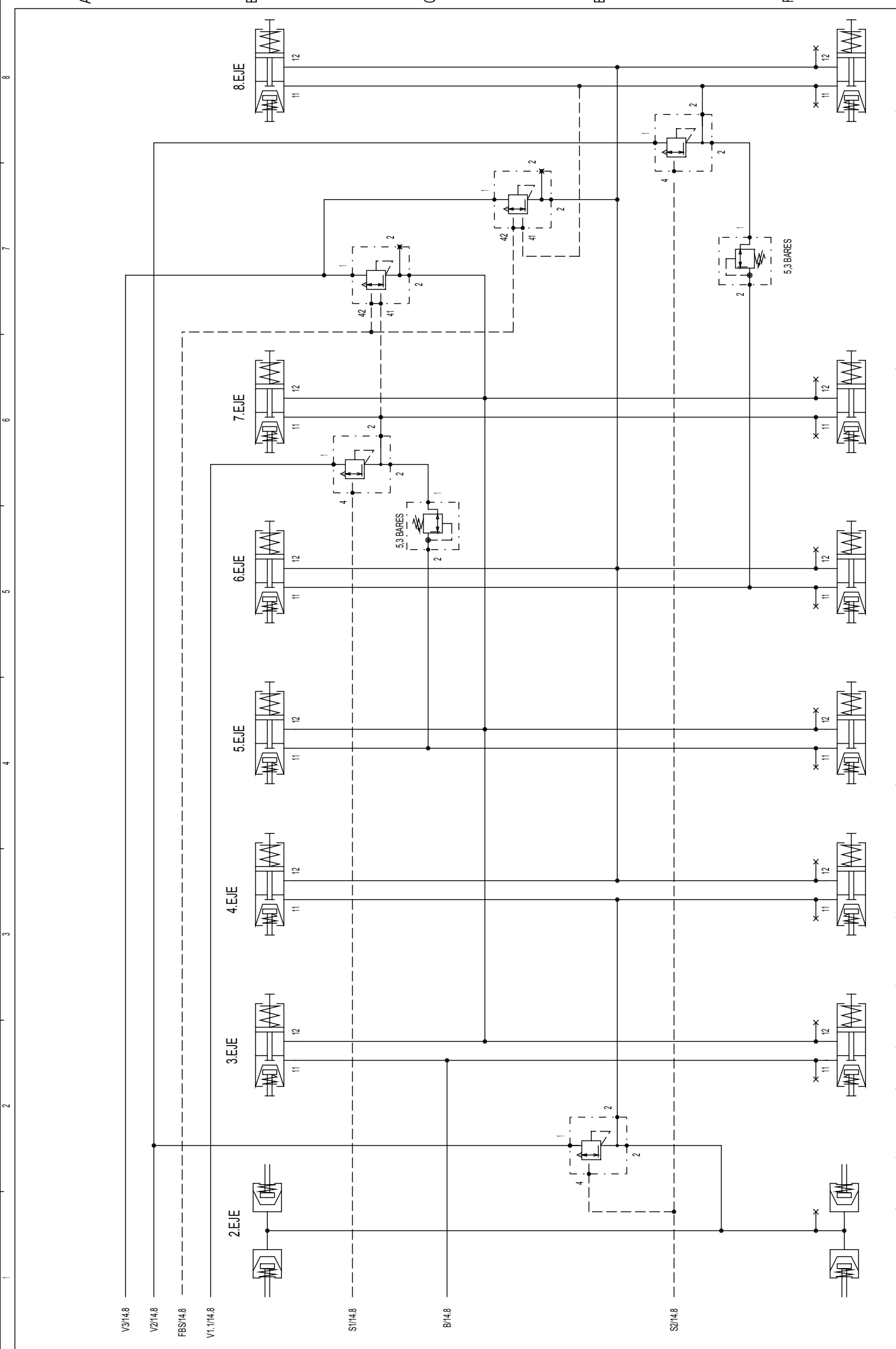
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