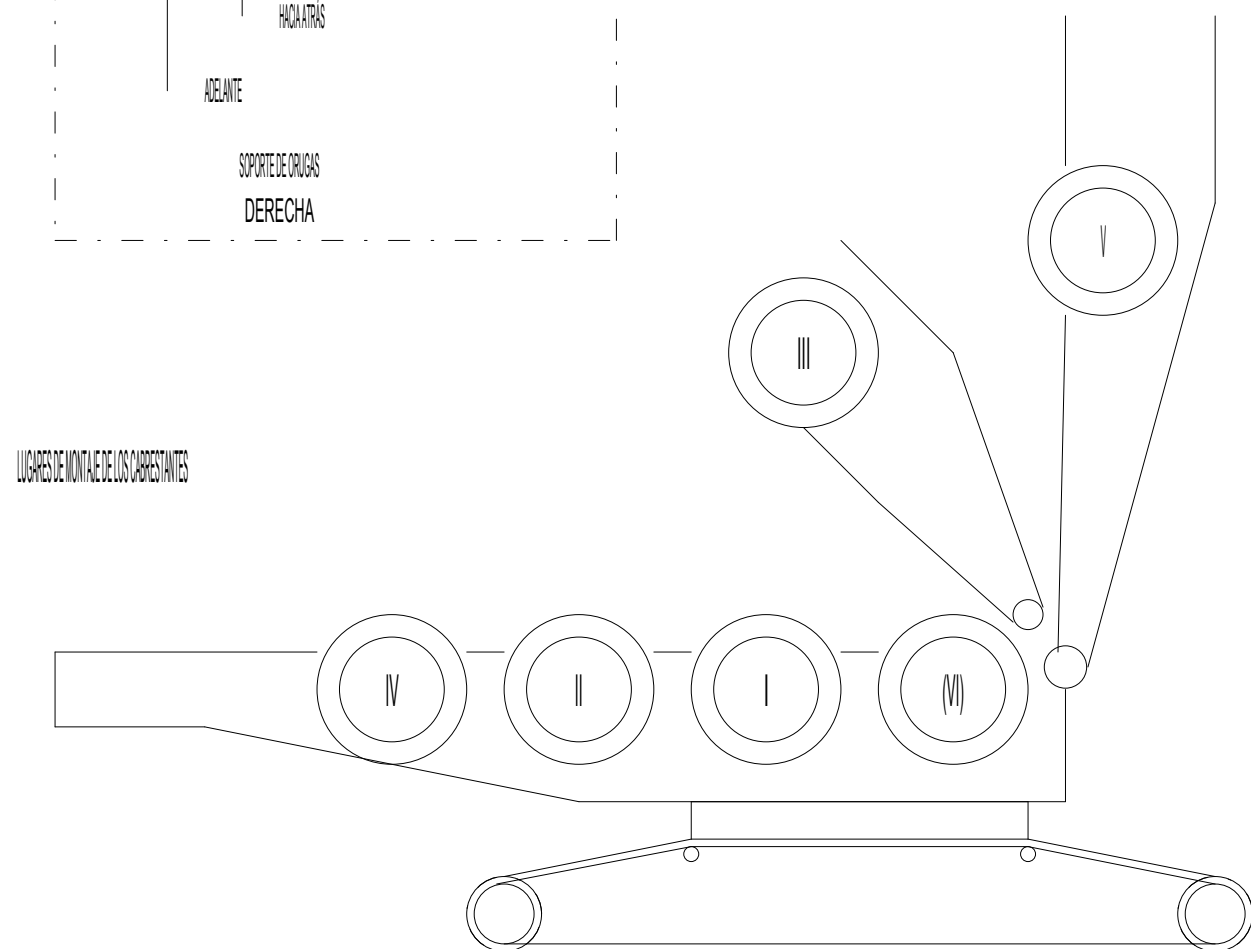
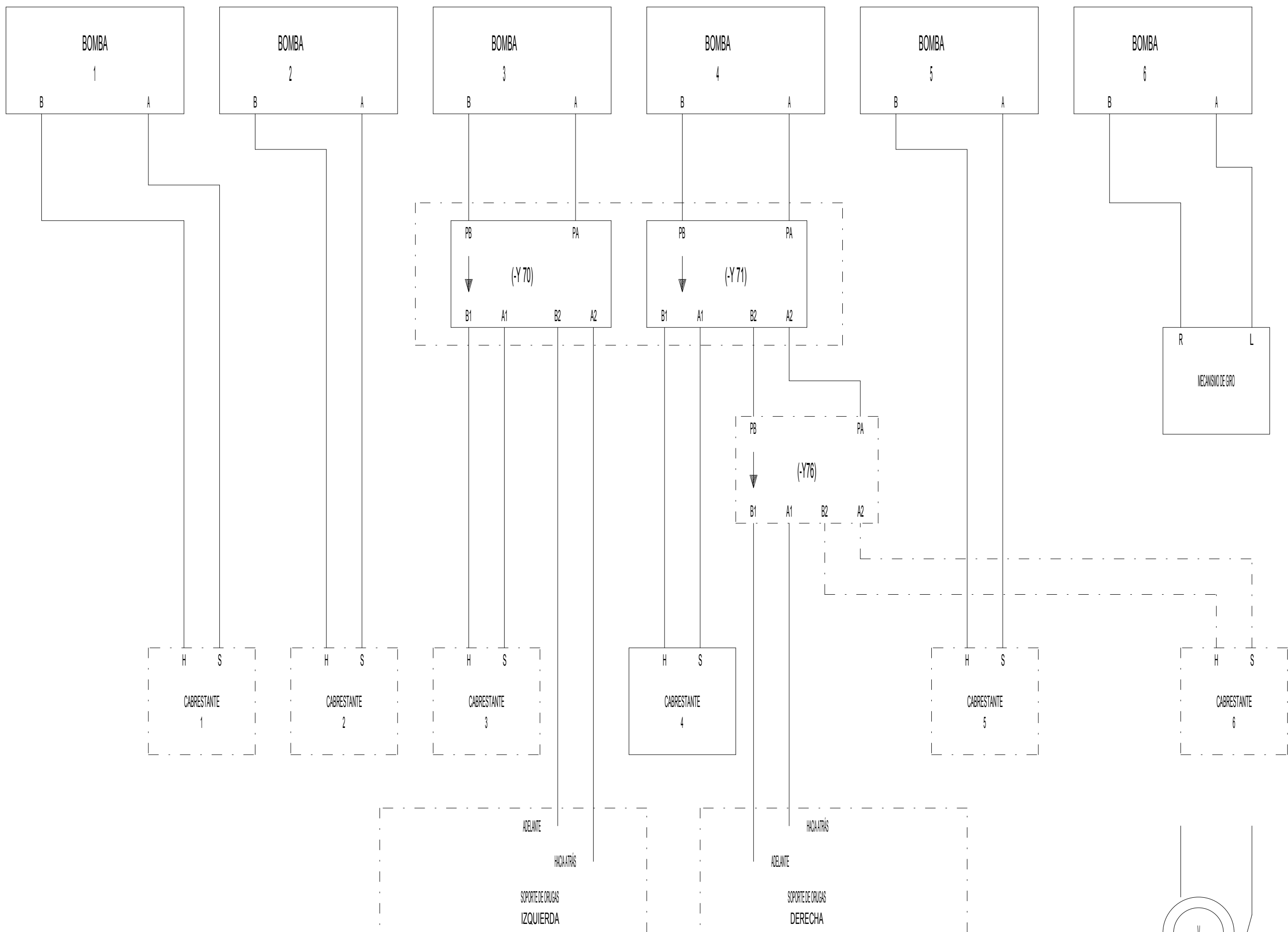
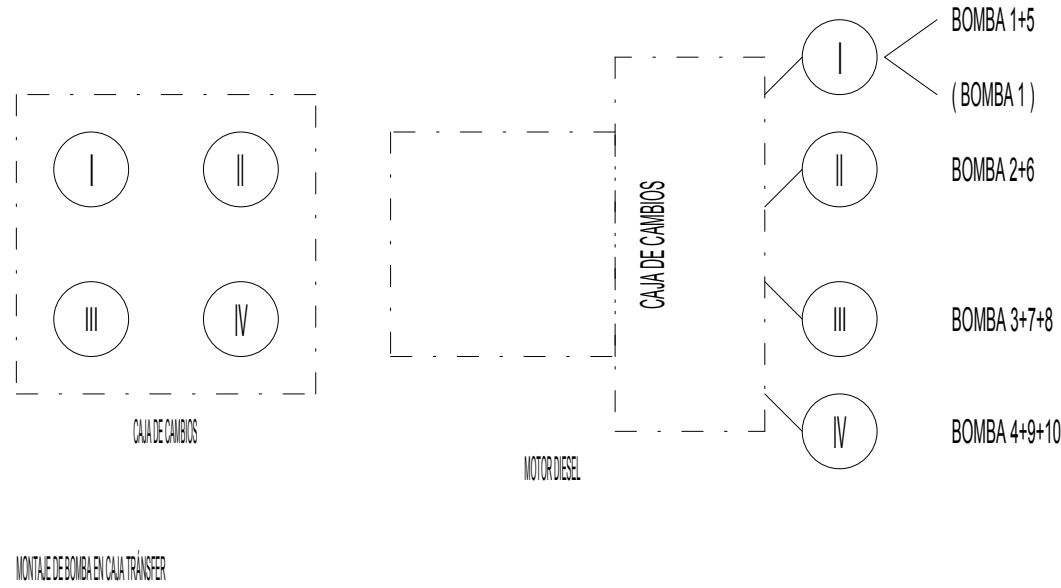


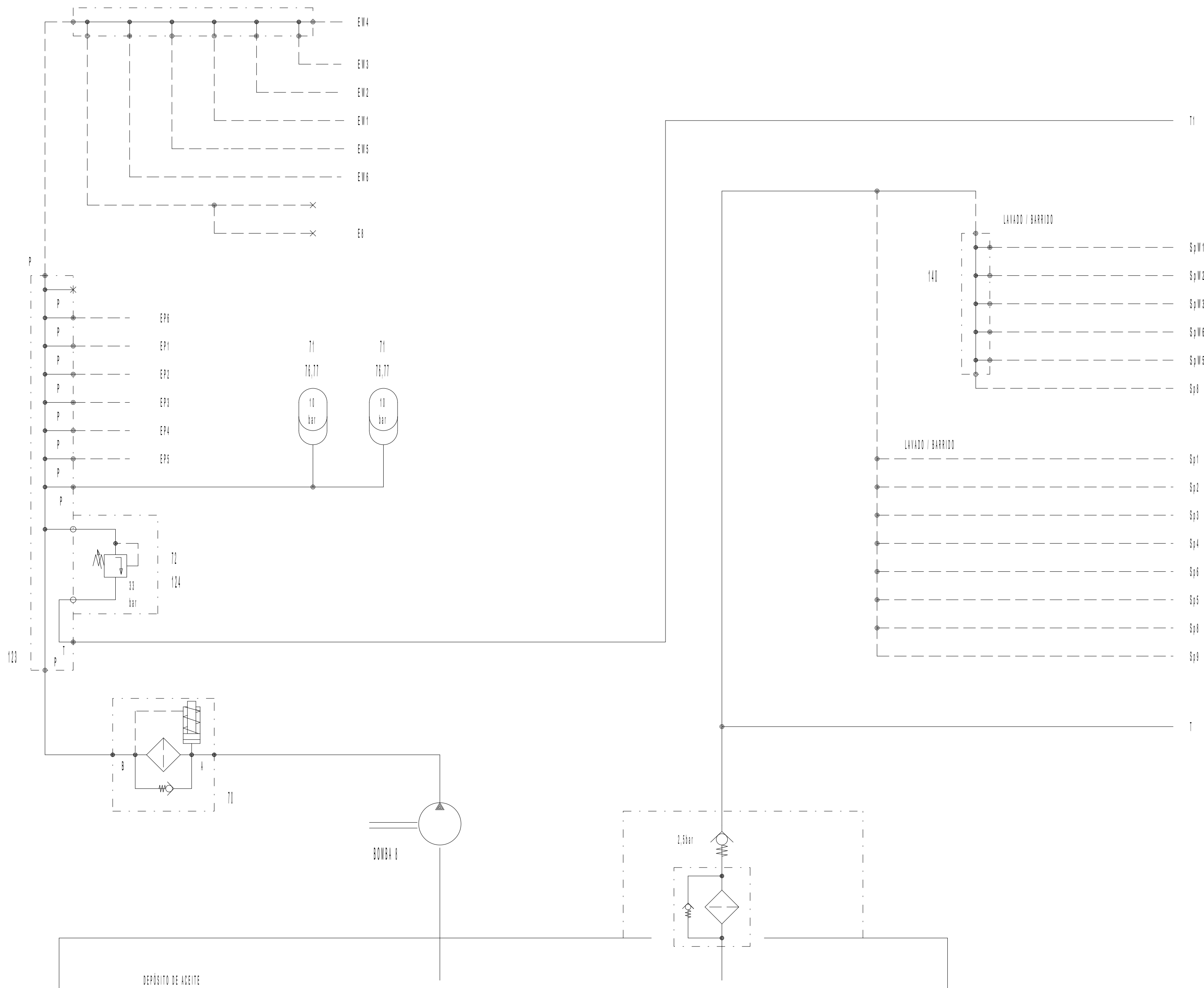
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|-------|---|-----------|---|
| BOMBA | 1 | =D+D2-Y31 | a = LEVANTAR — — — — — — — — — — — — — — — — b = BAJAR |
| BOMBA | 2 | =D+D2-Y32 | a = LEVANTAR — — — — — — — — — — — — — — — — b = BAJAR |
| BOMBA | 3 | =D+D2-Y33 | a = LEVANTAR / ADELANTE - IZQUIERDA — — — — — — — — — — — — — — — — b = BAJAR / HACIA ATRÁS - IZQUIERDA |
| BOMBA | 4 | =D+D2-Y34 | a = LEVANTAR / ADELANTE - DERECHA — — — — — — — — — — — — — — — — b = BAJAR / HACIA ATRÁS - DERECHA |
| BOMBA | 5 | =D+D2-Y35 | a = LEVANTAR — — — — — — — — — — — — — — — — b = BAJAR |
| BOMBA | 6 | =D+D2-Y36 | a = GIRAR IZQUIERDA — — — — — — — — — — — — — — — — b = GIRAR DERECHA |



| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|
| 3 | | | | Gez. | 17.04.08 | lwesor1 | LIEBHERR WERK EHINGEN |
| 2 | | | | Ausgabe | 23.04.08 | lwesor1 | |
| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

SYNOPSIS

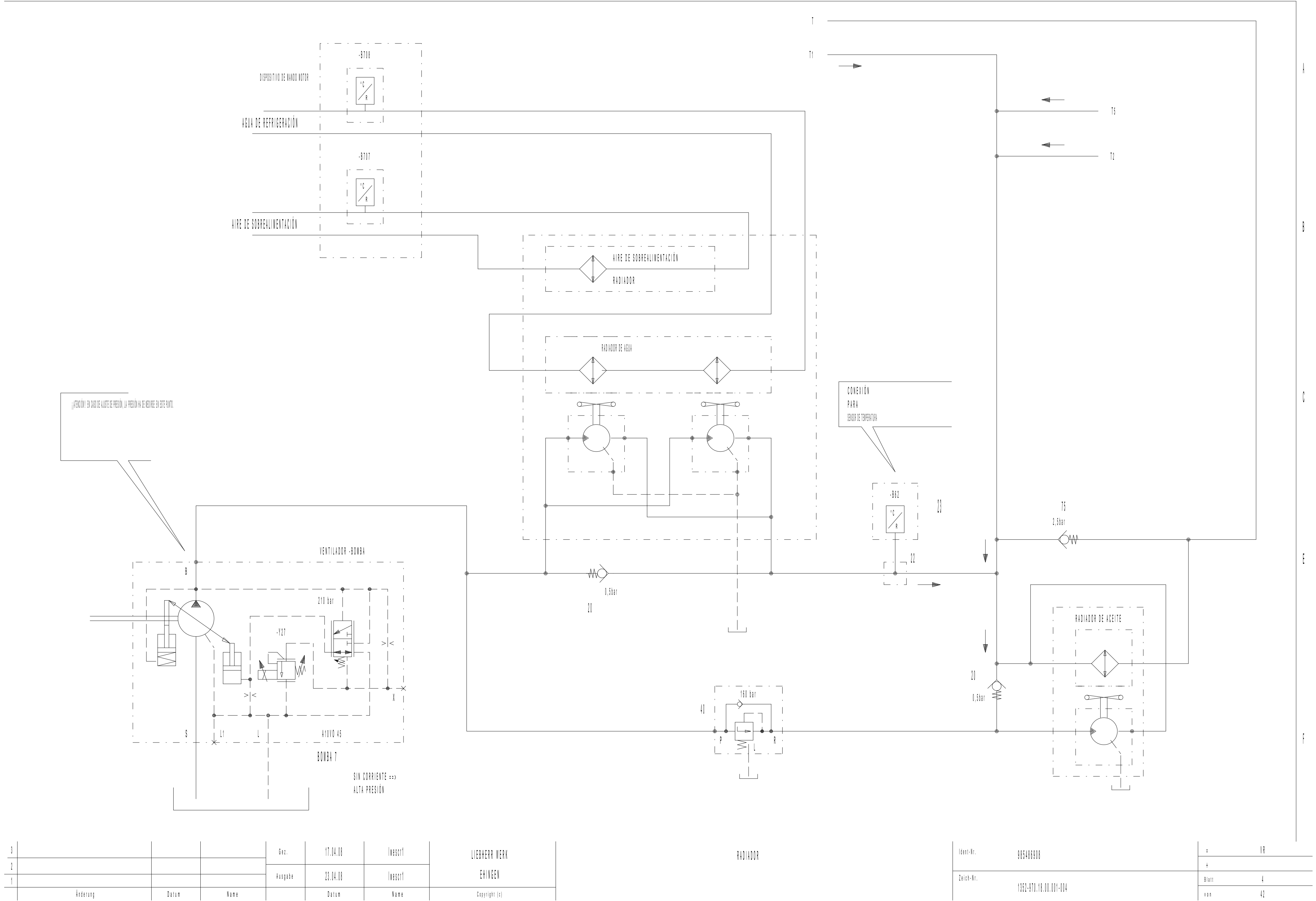
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| | | von | 42 |

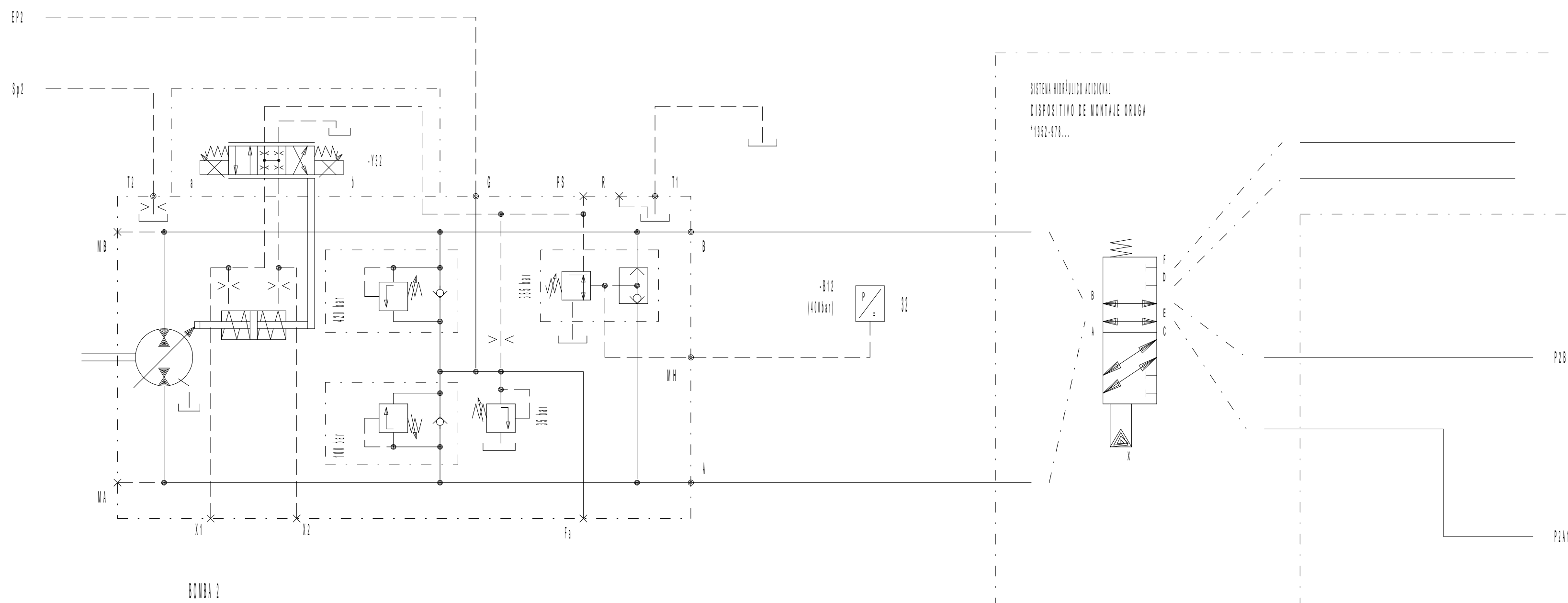
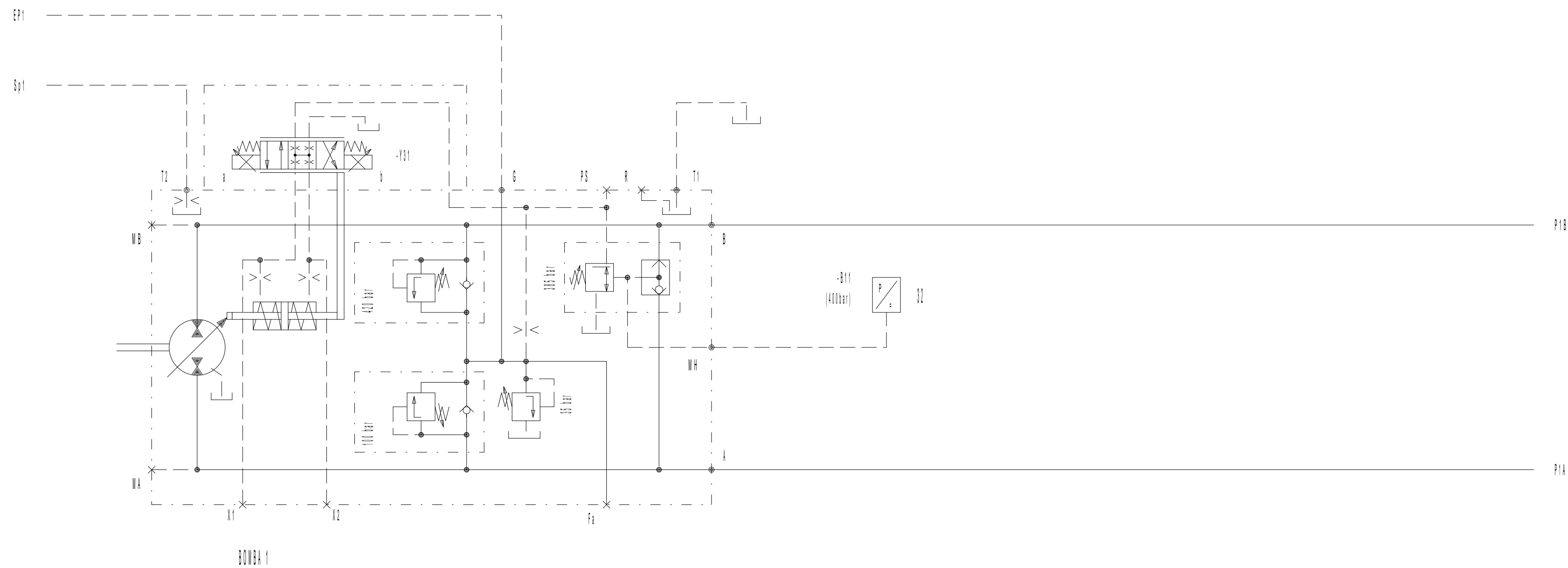


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|---|----------|-------|------|---------|----------|--------|--------------------------|
| 3 | | | | Gez. | 17.04.00 | wescrl | LIEBHERR WERK EHINGEN |
| 2 | | | | Ausgabe | 23.04.00 | wescrl | |
| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

PRESIÓN DE ALIMENTACIÓN

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 985489308 | z | VR |
| | | f | |
| Zeich-Nr. | 1852-970.10.00.001-004 | Blatt | 3 |
| | | von | 42 |





| | | | | | | | |
|---|----------|-------|------|---------|----------|--------|--------------------------|
| 3 | | | | Gez. | 17.04.08 | wescrf | LIEBHERR WERK EHINGEN |
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| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

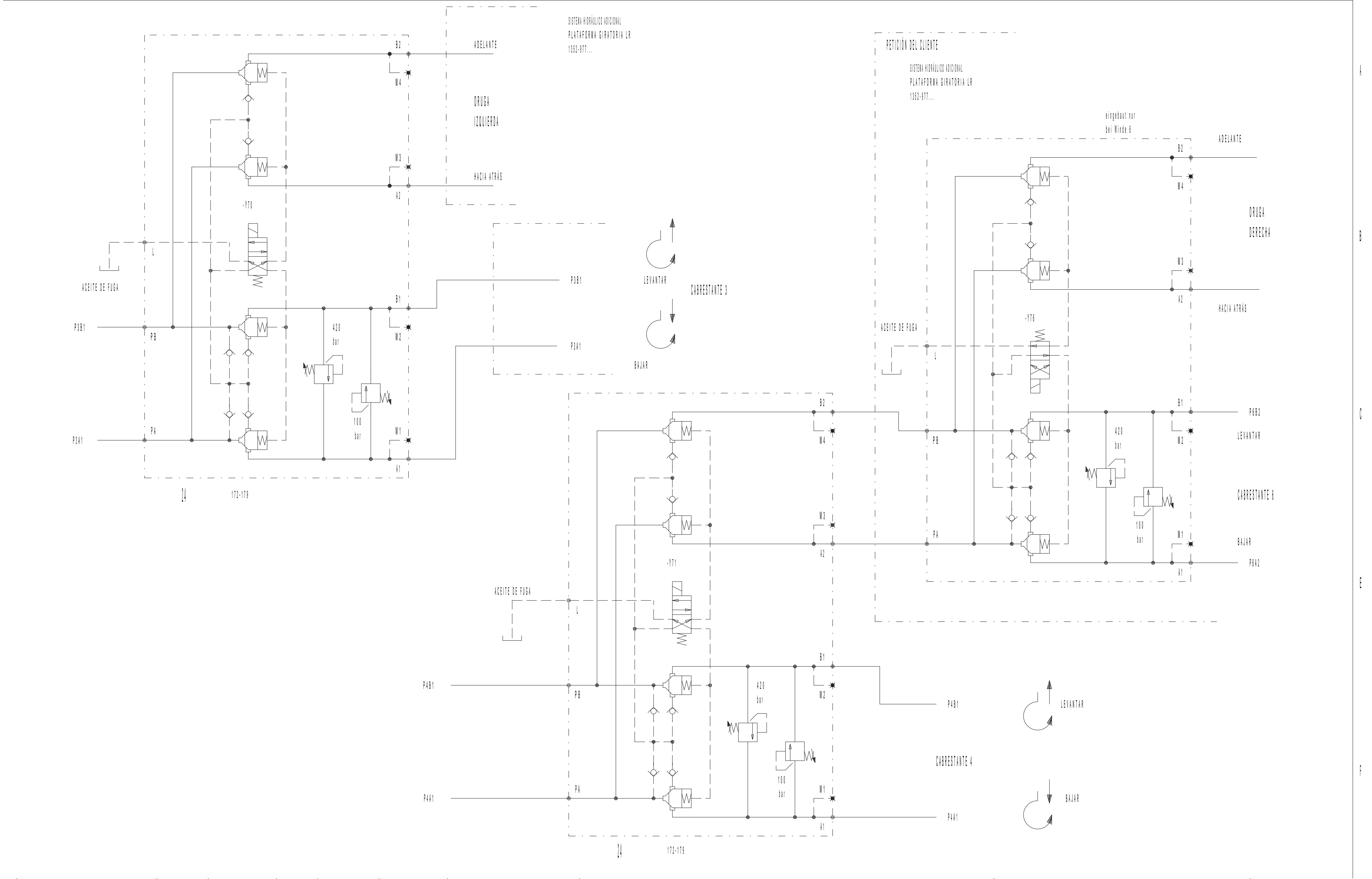
BOMBA 1 // BOMBA 2

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|-----------|------------------------|-------|----|
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| | | + | |
| Zeich-Nr. | 1992-970.18.00.001-004 | Blatt | 5 |
| | | von | 42 |

| | | | | | | | |
|---|----------|-------|------|---------|----------|----------|---|
| 3 | | | | Gez. | 17.04.08 | [mescri] | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.08 | [mescri] | |
| 1 | Änderung | Datum | Name | | Datum | Name | |

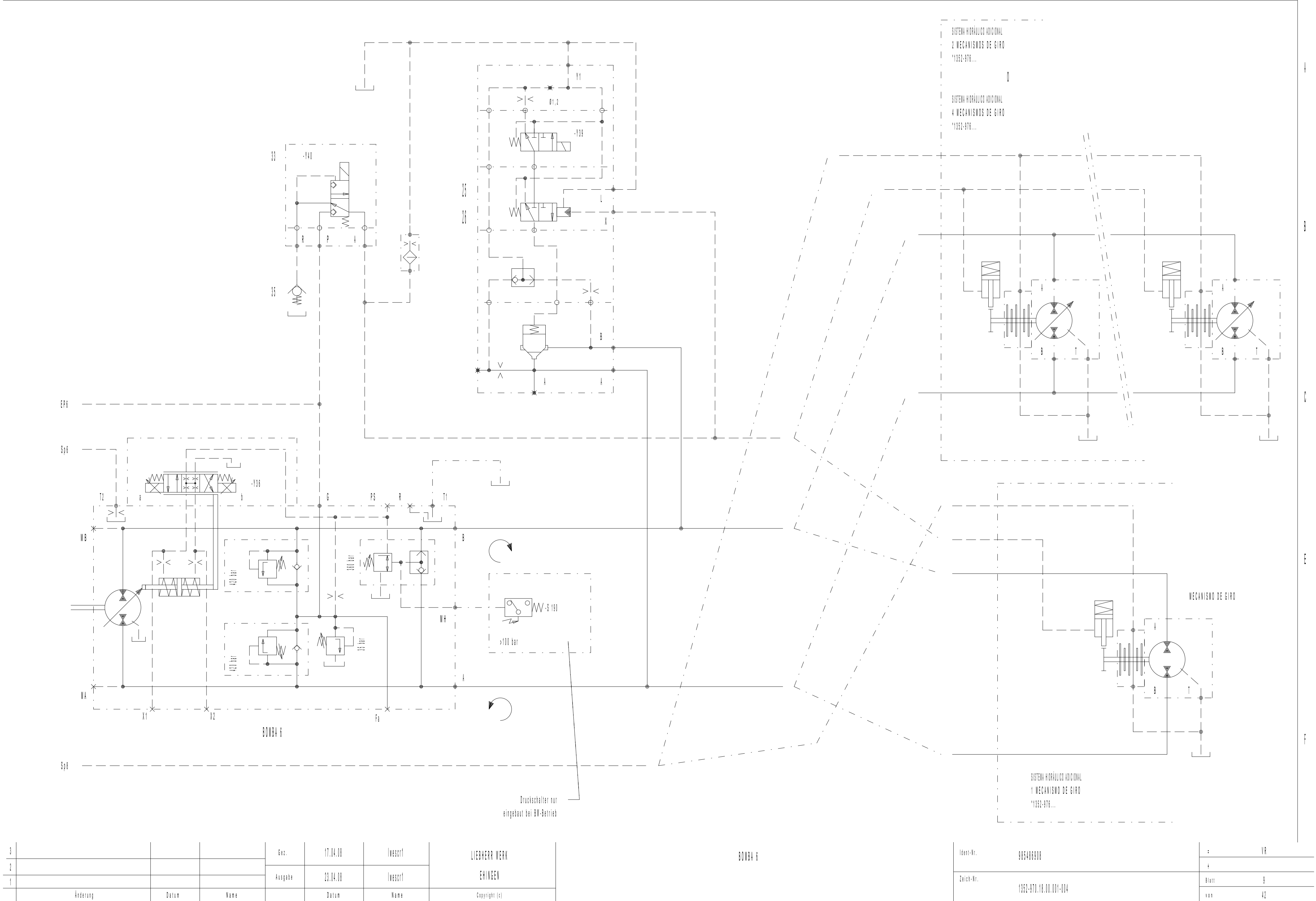
BOMBA 3

| | | | |
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| Zeich-Nr. | 1352-970.19.00.001-004 | + | |
| | | Blatt | 6 |
| | | von | 42 |



| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|---|
| 3 | | | | Gez. | 17.04.08 | lwescri | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.08 | lwescri | |
| 1 | Änderung | Datum | Name | | | | |

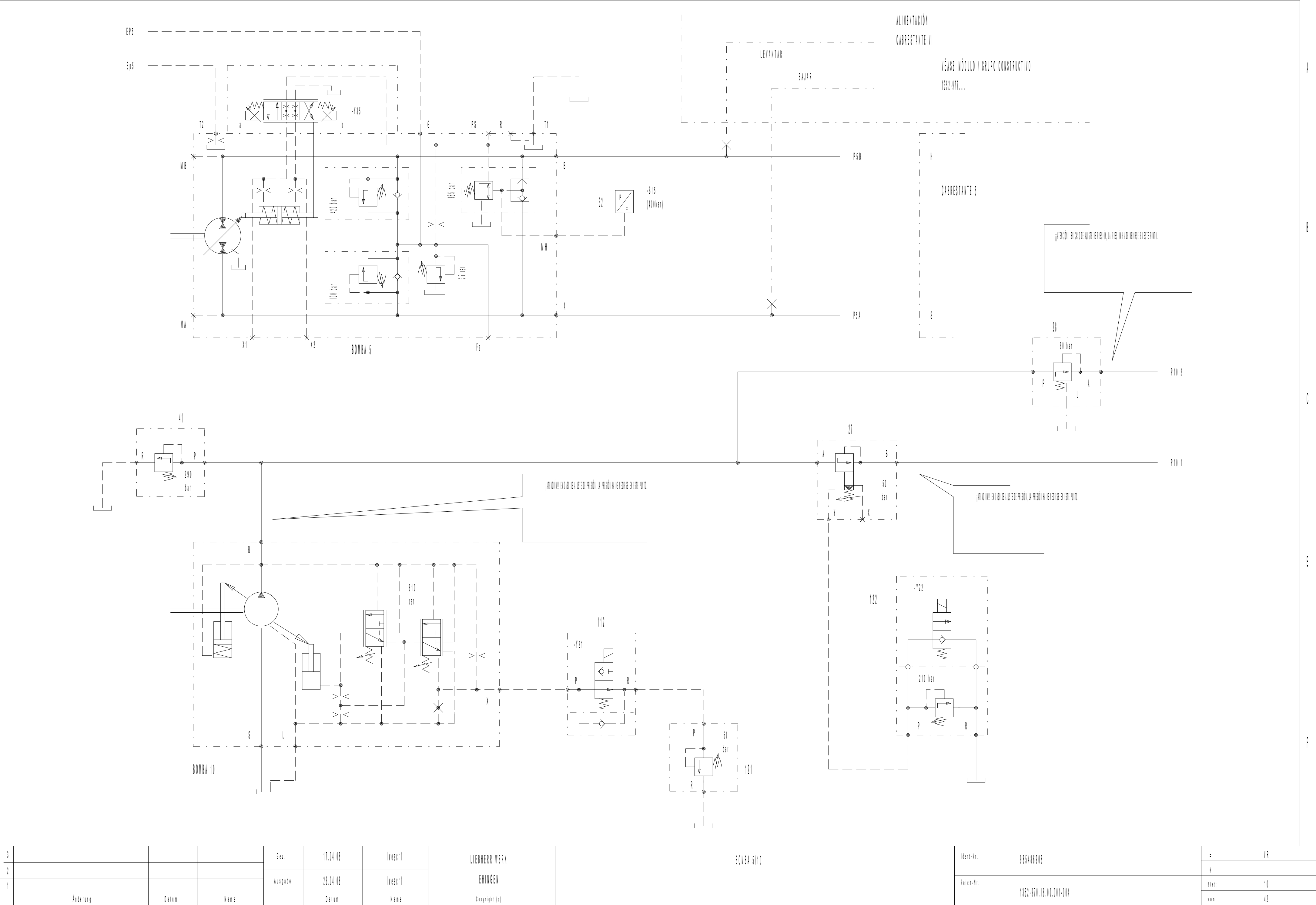
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| Zeich-Nr. | 1352-970.10.00.001-014 | + | |
| | | Blatt | 8 |
| | | von | 42 |

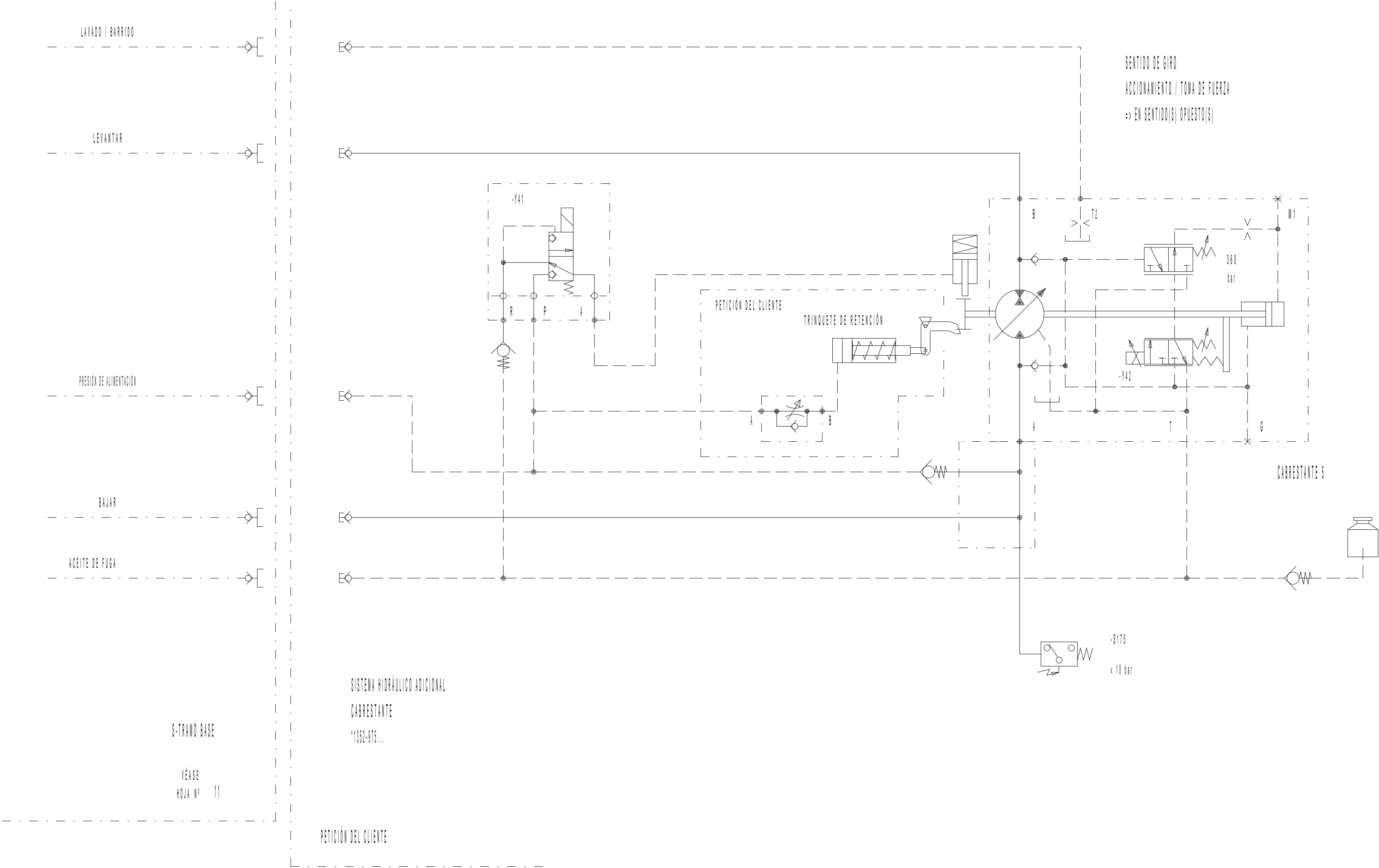


| | | | | | | | |
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| 3 | | | | Gez. | 17.04.08 | (weser) | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.08 | (weser) | |
| 1 | Änderung | Datum | Name | | | | |

BOMBA 6

| | | | |
|-----------|------------------------|-------|----|
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| Zeich-Nr. | 1352-978.18.00.001-014 | + | |
| | | Blatt | 9 |
| | | von | 42 |

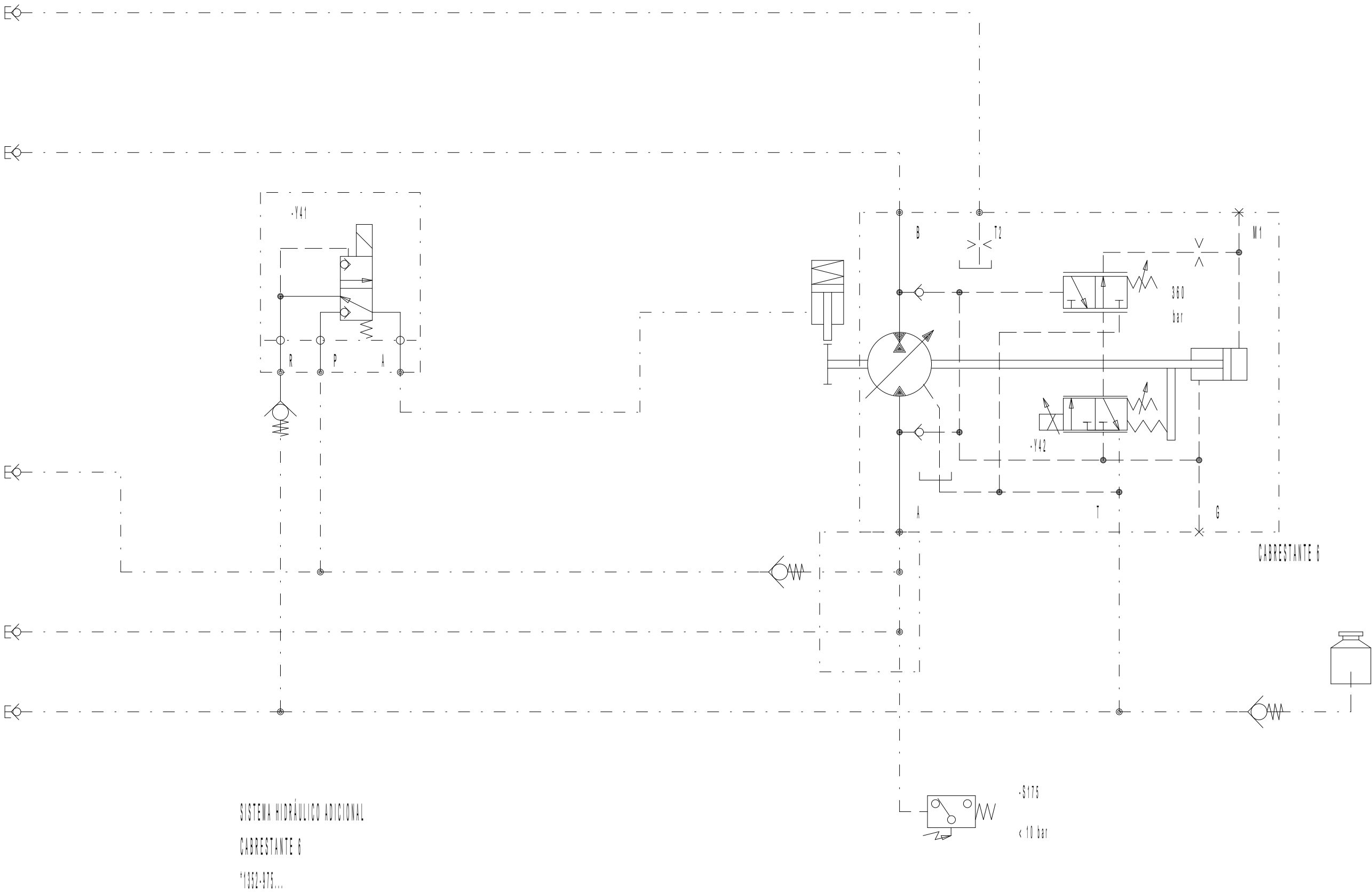
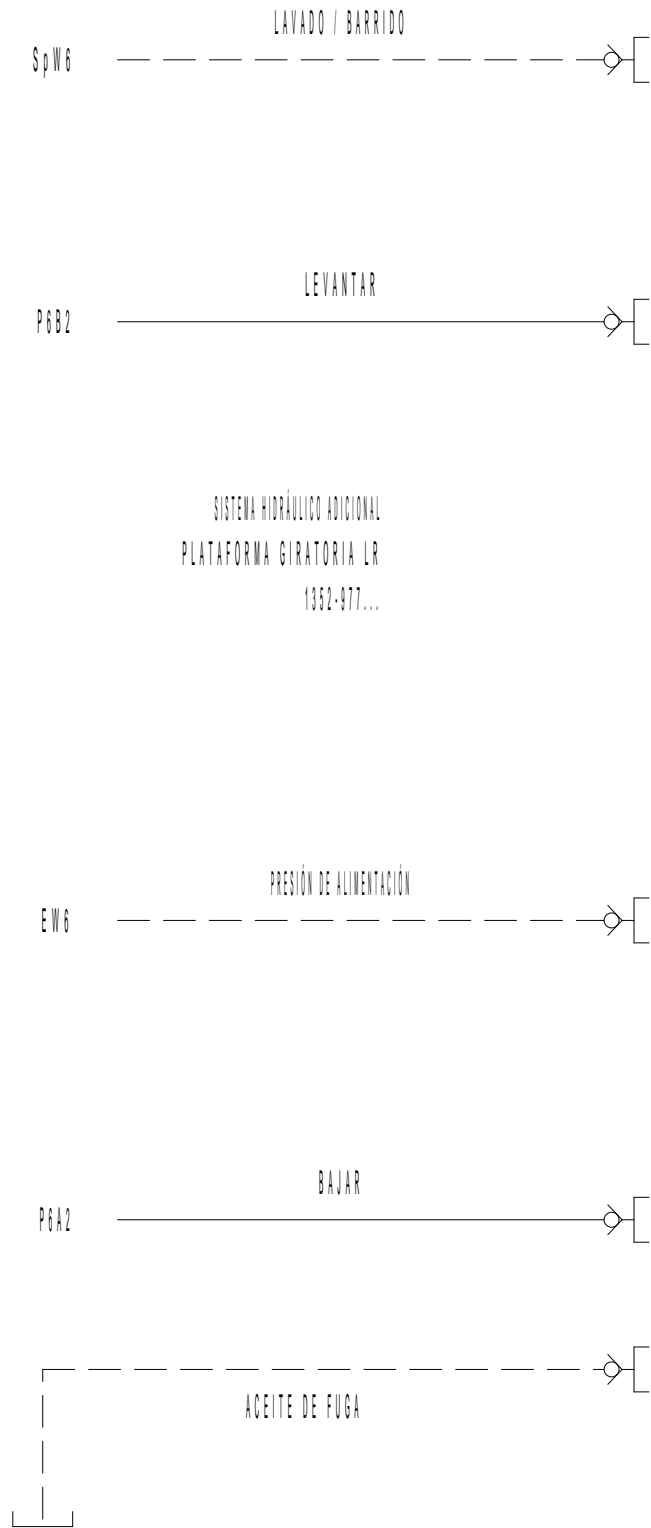




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| 3 | | | | Gez. | 17.04.00 | /mescri/ | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.00 | /mescri/ | |
| 1 | Änderung | Datum | Name | | | | |

CABRESTANTE 5

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905409900 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-004 | + | |
| | | Blatt | 15 |
| | | von | 42 |



PETICIÓN DEL CLIENTE

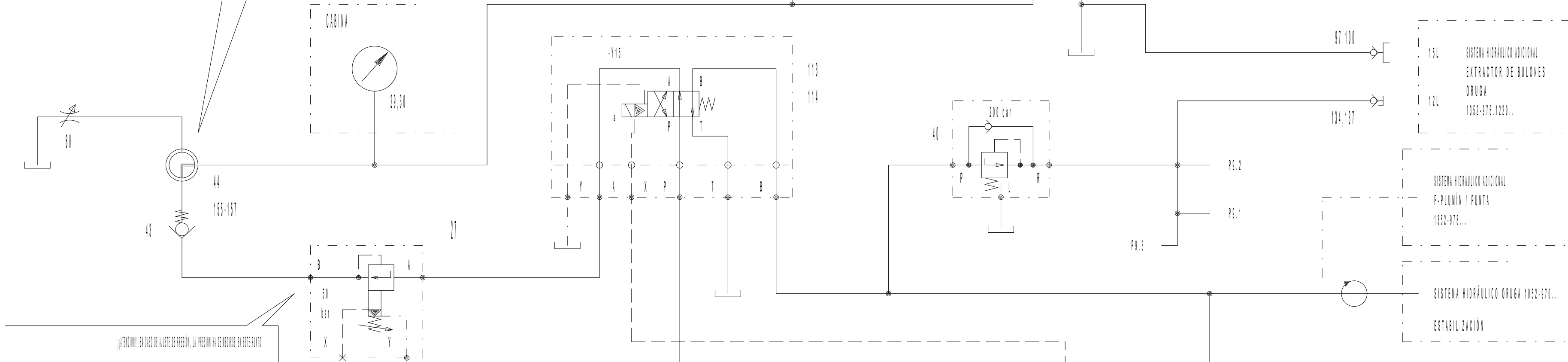
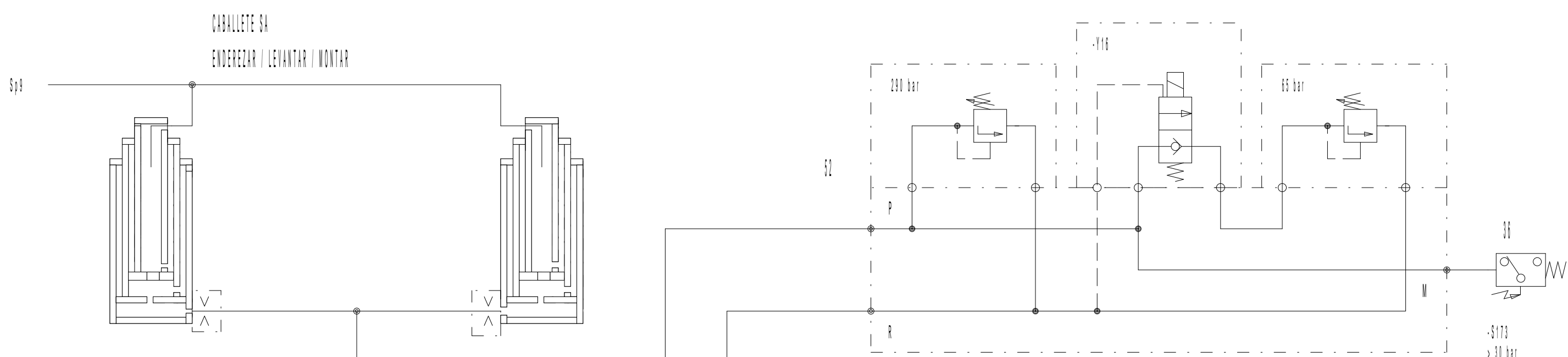
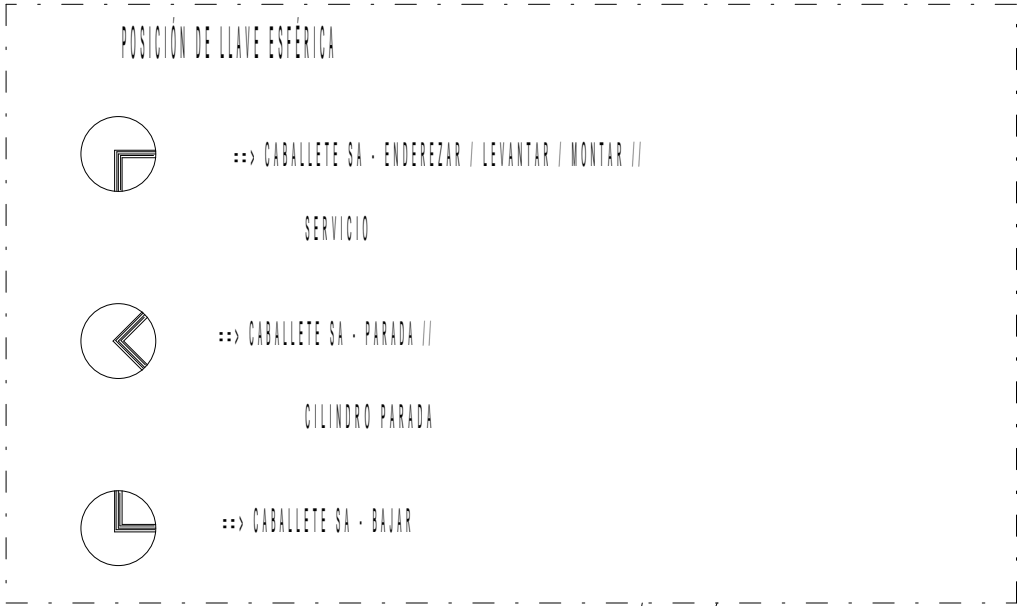
SISTEMA HIDRÁULICO ADICIONAL
CABRESTANTE 6
*1032-975...

SENTIDO DE GIRO
ACCIONAMIENTO / TOMA DE FUERZA
=> EN SENTIDO(S) OPUESTO(S)

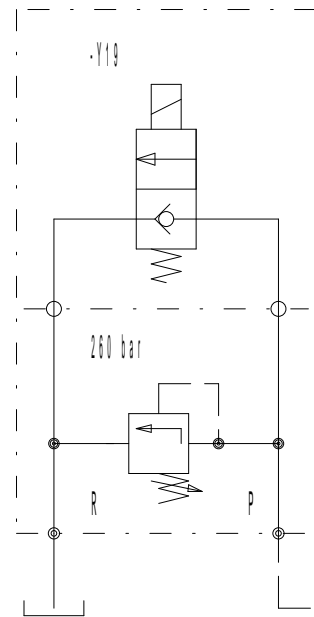
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| 2 | | | | Ausgabe | 23.04.08 | lwescl | |
| 1 | Änderung | Datum | Name | | | | |

CABRESTANTE 6

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905409000 | = | VR |
| Zeich-Nr. | 1032-970.10.00.001-004 | + | |
| | | Blatt | 16 |
| | | von | 42 |



¡¡ATENCIÓN!! EN CASO DE AJUSTE DE PRESIÓN, LA PRESIÓN HA DE RESERVAR EN ESTE PUNTO.

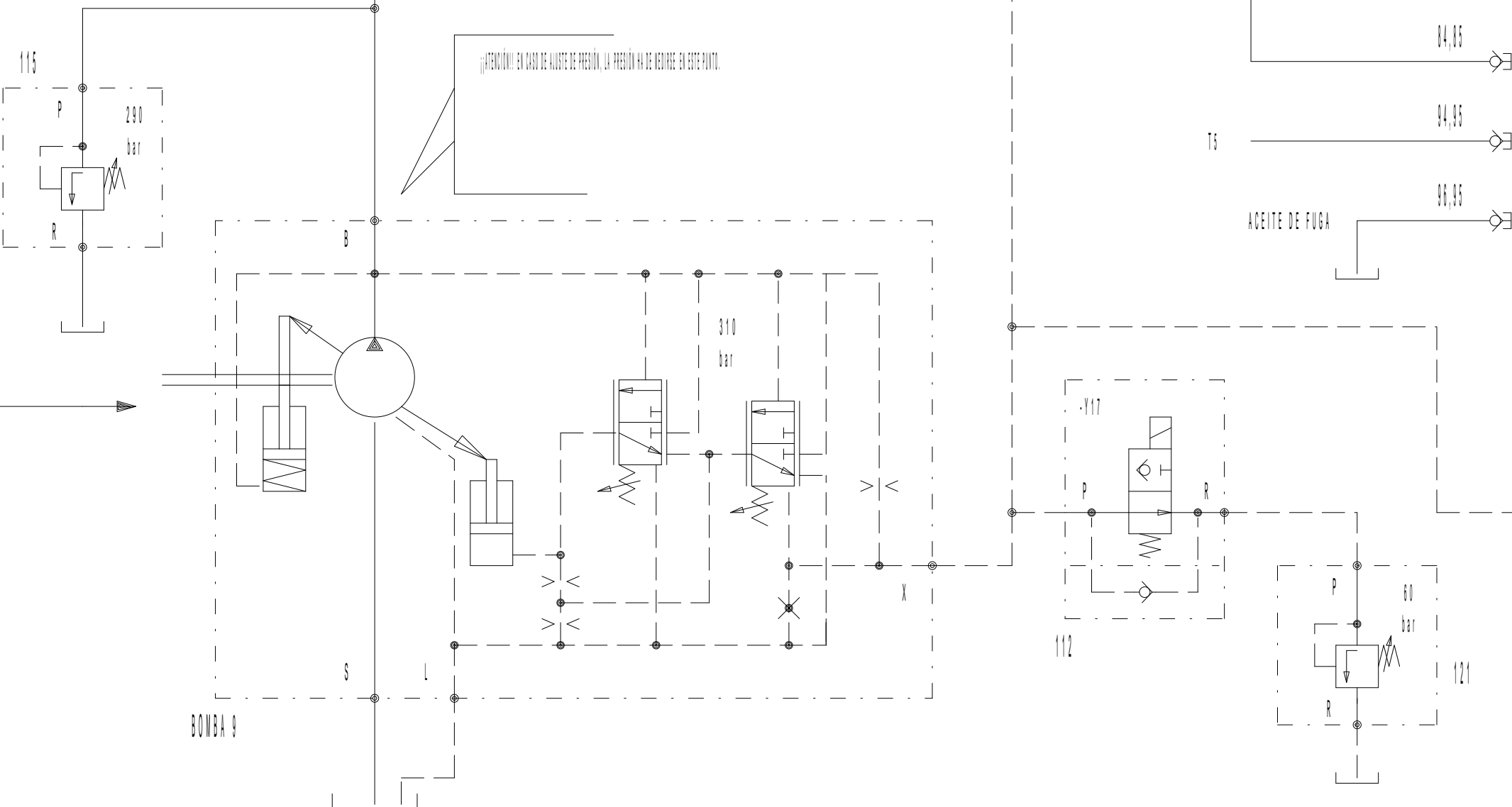


260 bar ==> 320 bar
VÁLVULA LIMITADORA DE PRESIÓN

310 bar ==> 340 bar
BOMBA 9

ATENCIÓN !!!

AJUSTES DE PRESIÓN
EN CASO DE / JUNTO A / CON
EJECUCIÓN CON
CONTRAPESO FLOTANTE
+
CARRO DE CONTRAPESO
AUMENTADO(A) / ELEVADO(A)



¡¡ATENCIÓN!! EN CASO DE AJUSTE DE PRESIÓN, LA PRESIÓN HA DE RESERVAR EN ESTE PUNTO.

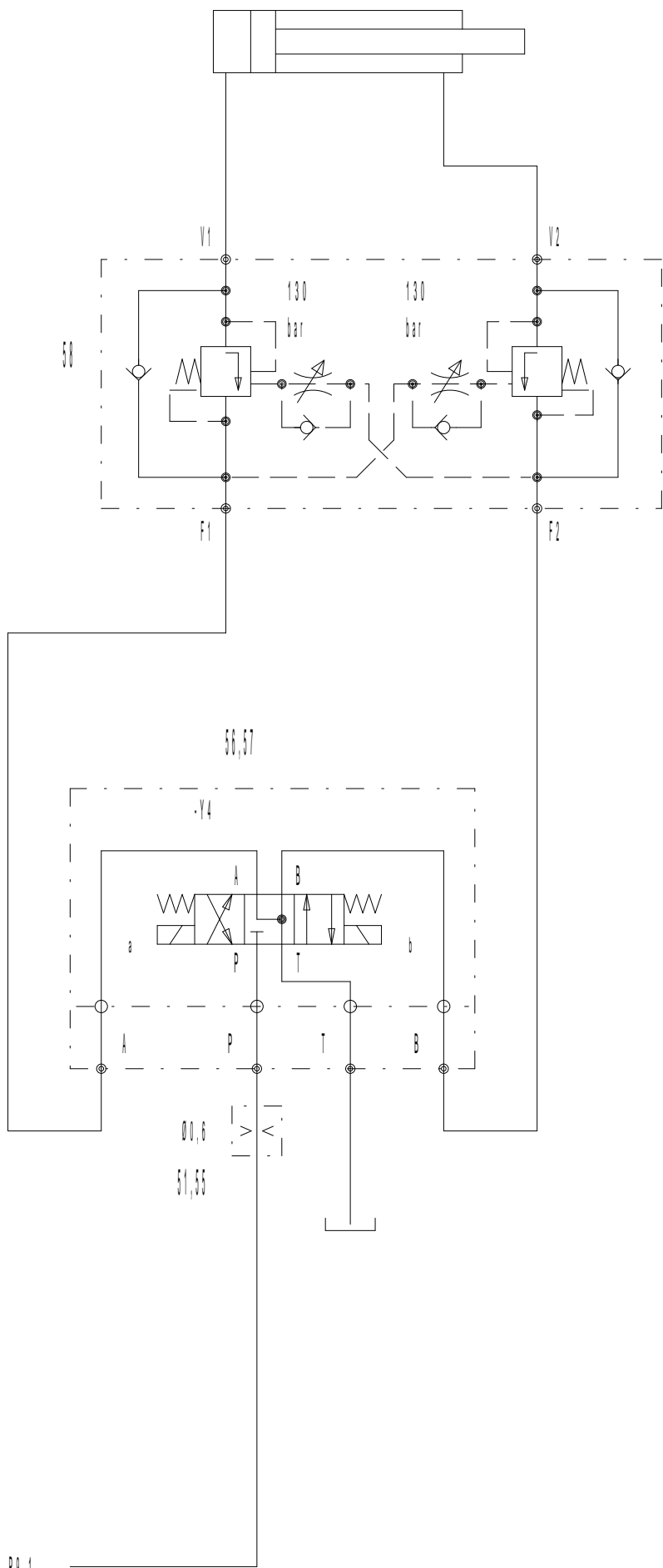
VÉASE
HOJA Nº 21

| | | | | | | | |
|---|----------|-------|------|---------|----------|----------|---|
| 3 | | | | Gez. | 17.04.00 | /mescri/ | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.00 | /mescri/ | |
| 1 | Änderung | Datum | Name | | Datum | Name | |

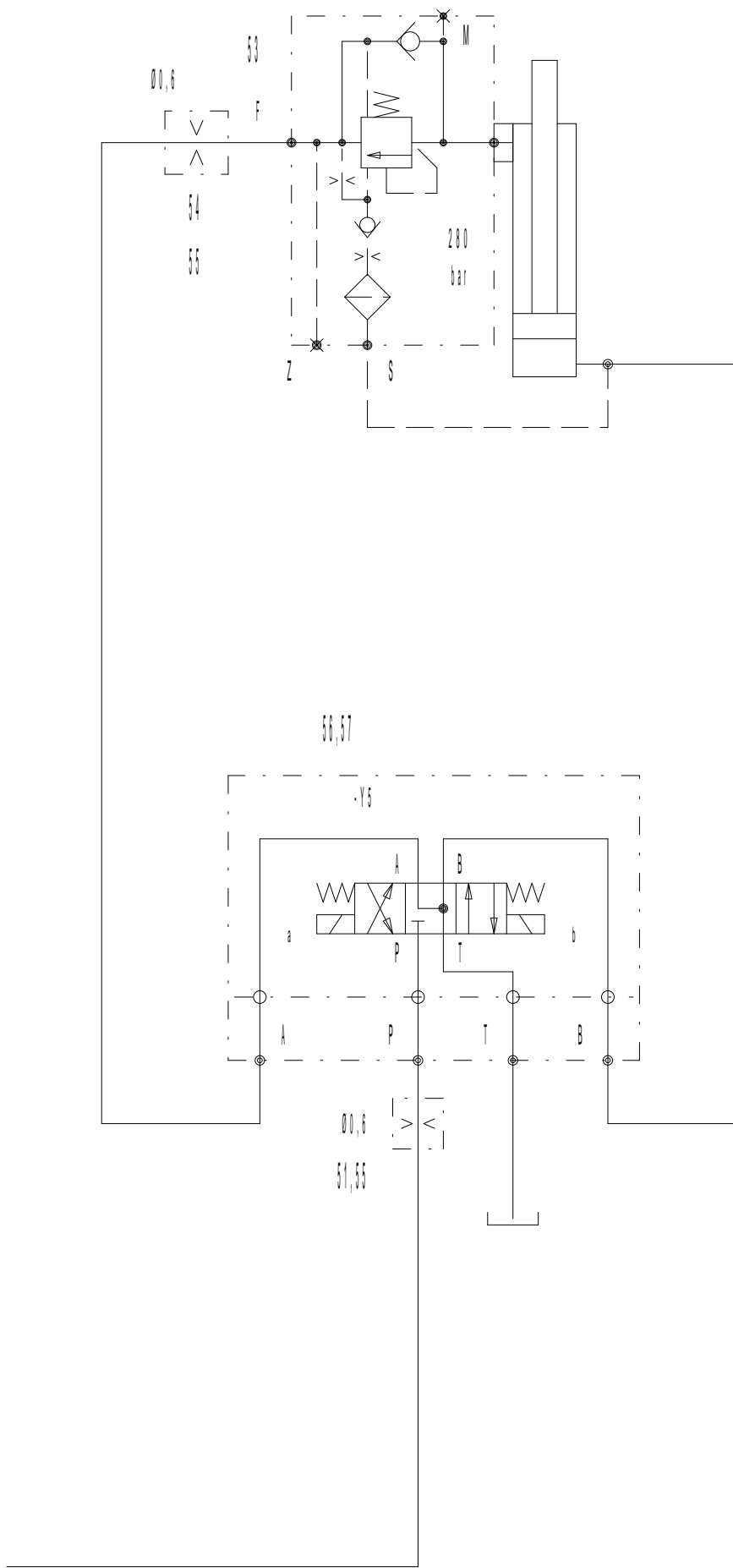
BOMBA 9 // CABALLETE SA

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905409000 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-004 | + | |
| | | Blatt | 17 |
| | | von | 42 |

CABINA GIRAR



BASCULAR CABINA



BASCULAR CABINA / GIRAR

Ident-Nr.

905409000

Zeich-Nr.

1352-970.10.00.001-004

=

VR

+

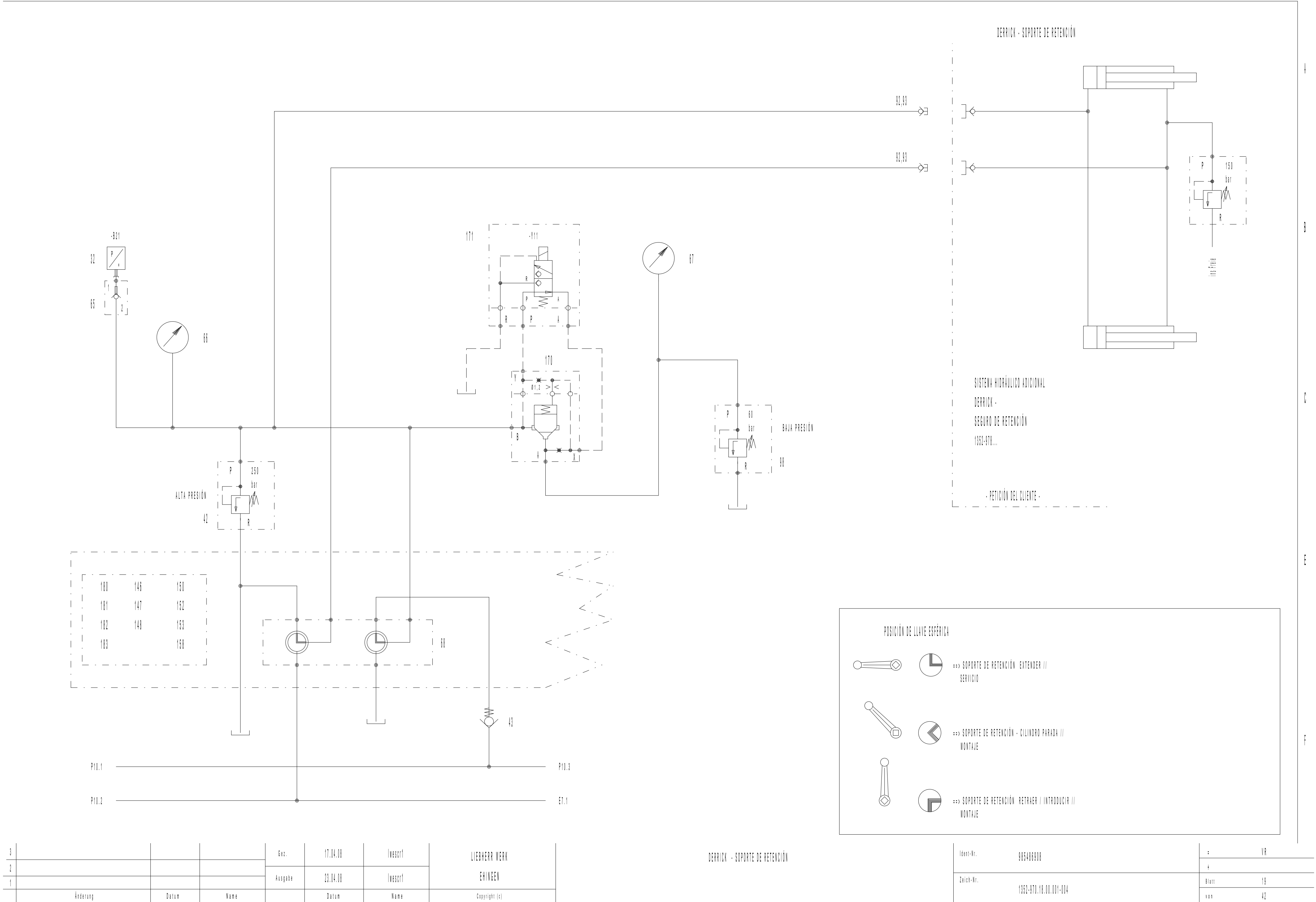
Blatt

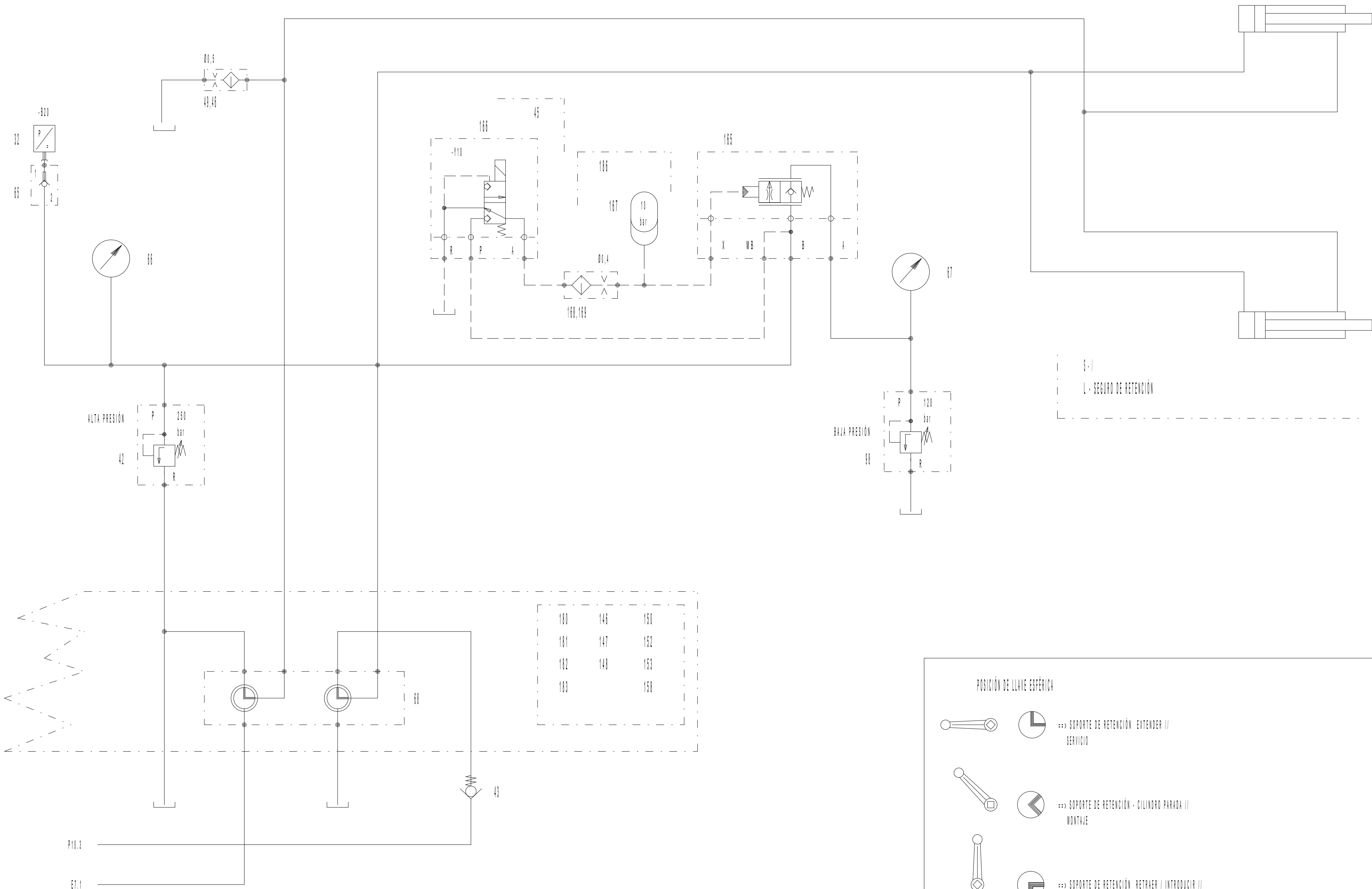
10

von

42

| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|---|
| 3 | | | | Gez. | 17.04.00 | /wescr/ | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.00 | /wescr/ | |
| 1 | Änderung | Datum | Name | | Datum | Name | |

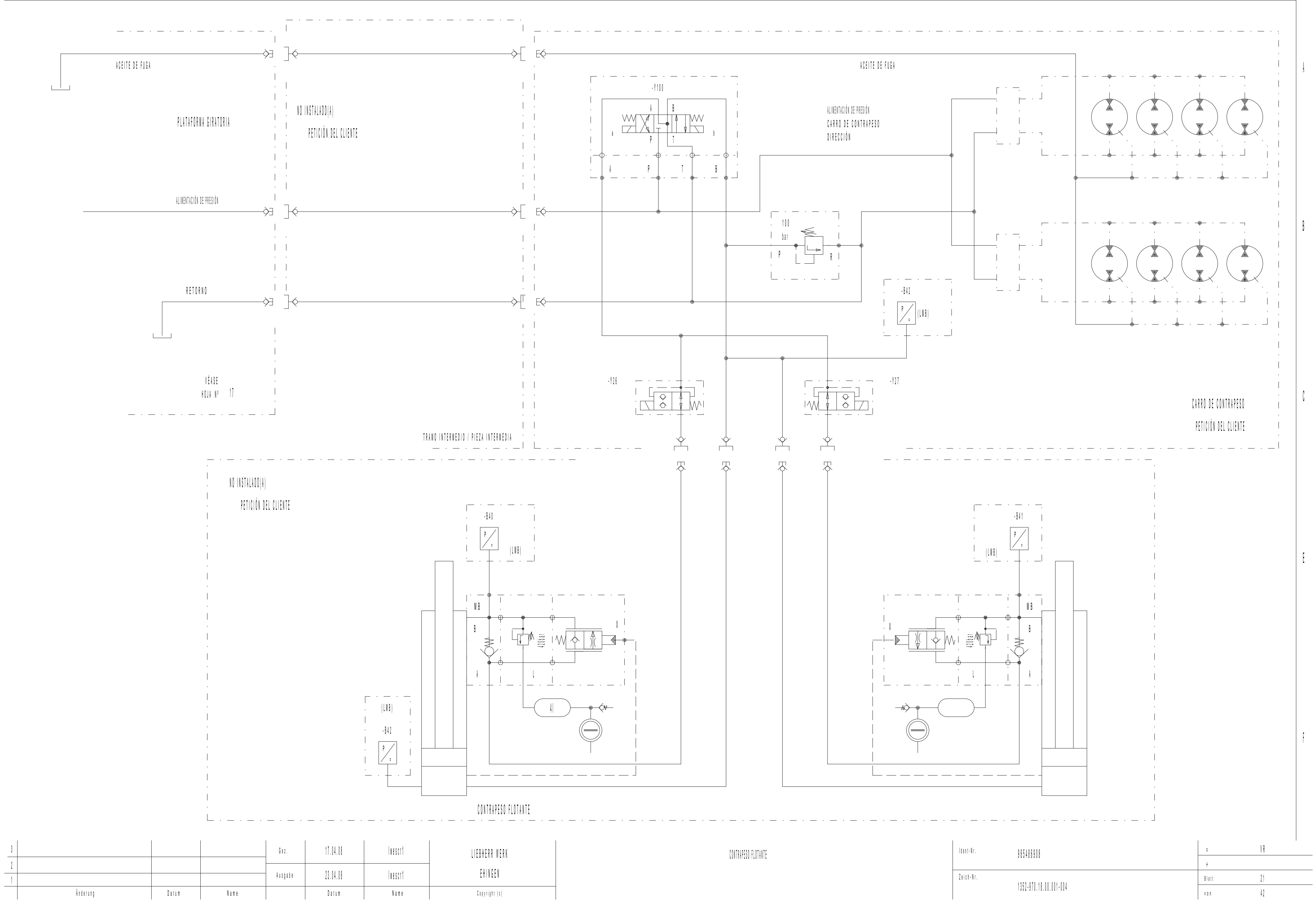


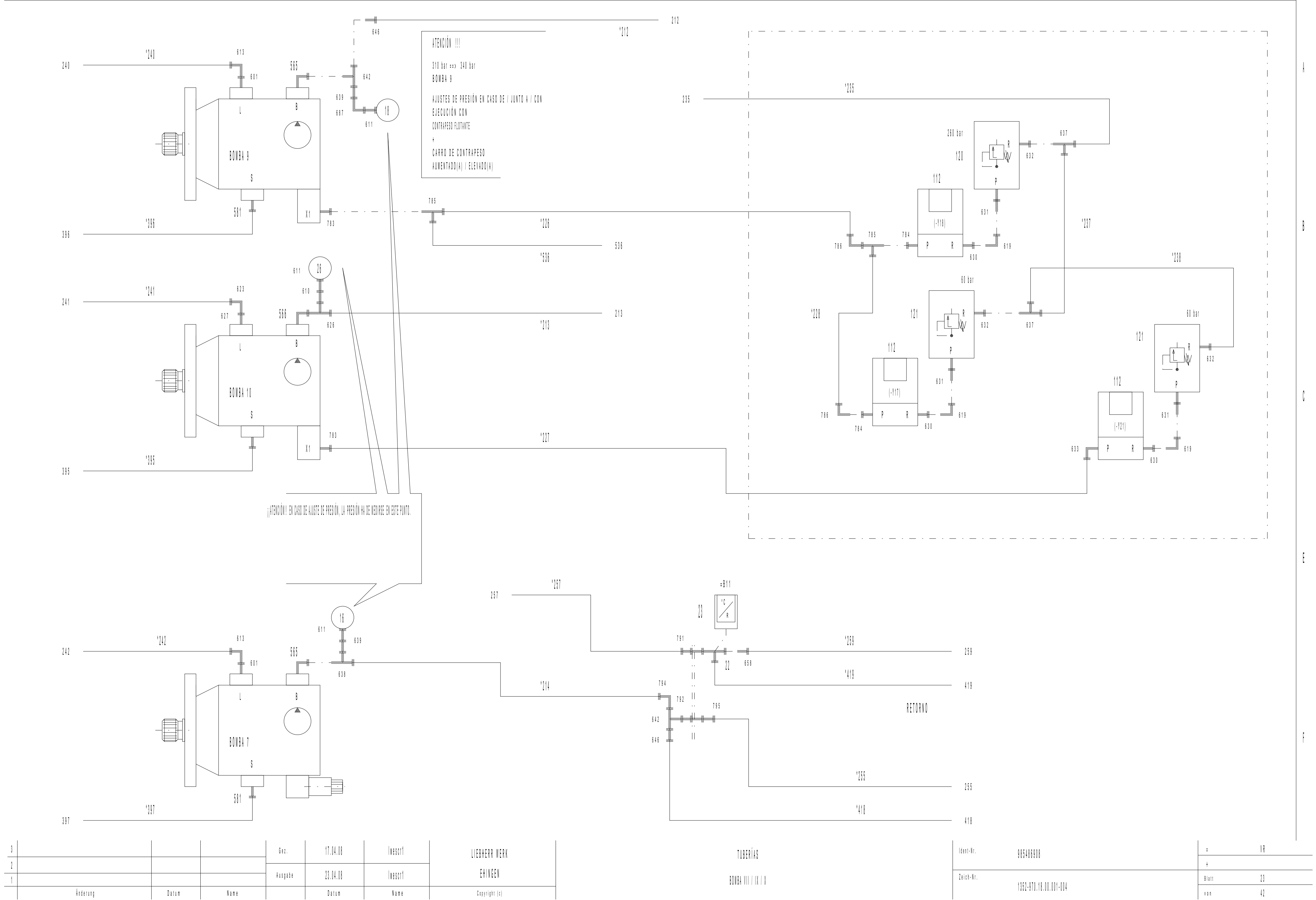


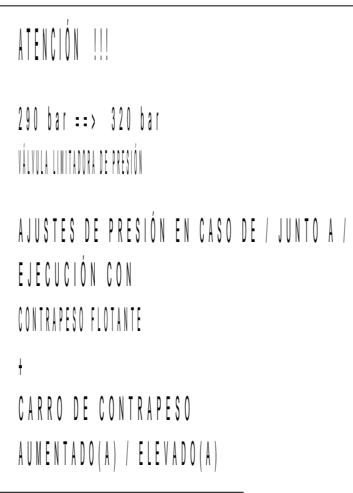
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| 3 | | | | Gez. | 17.04.08 | /mescl/ | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.08 | /mescl/ | |
| 1 | Änderung | Datum | Name | | | | |

S - // L - SOPORTE DE RETENCIÓN

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 80540800 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-004 | + | |
| | | Blatt | 20 |
| | | von | 42 |



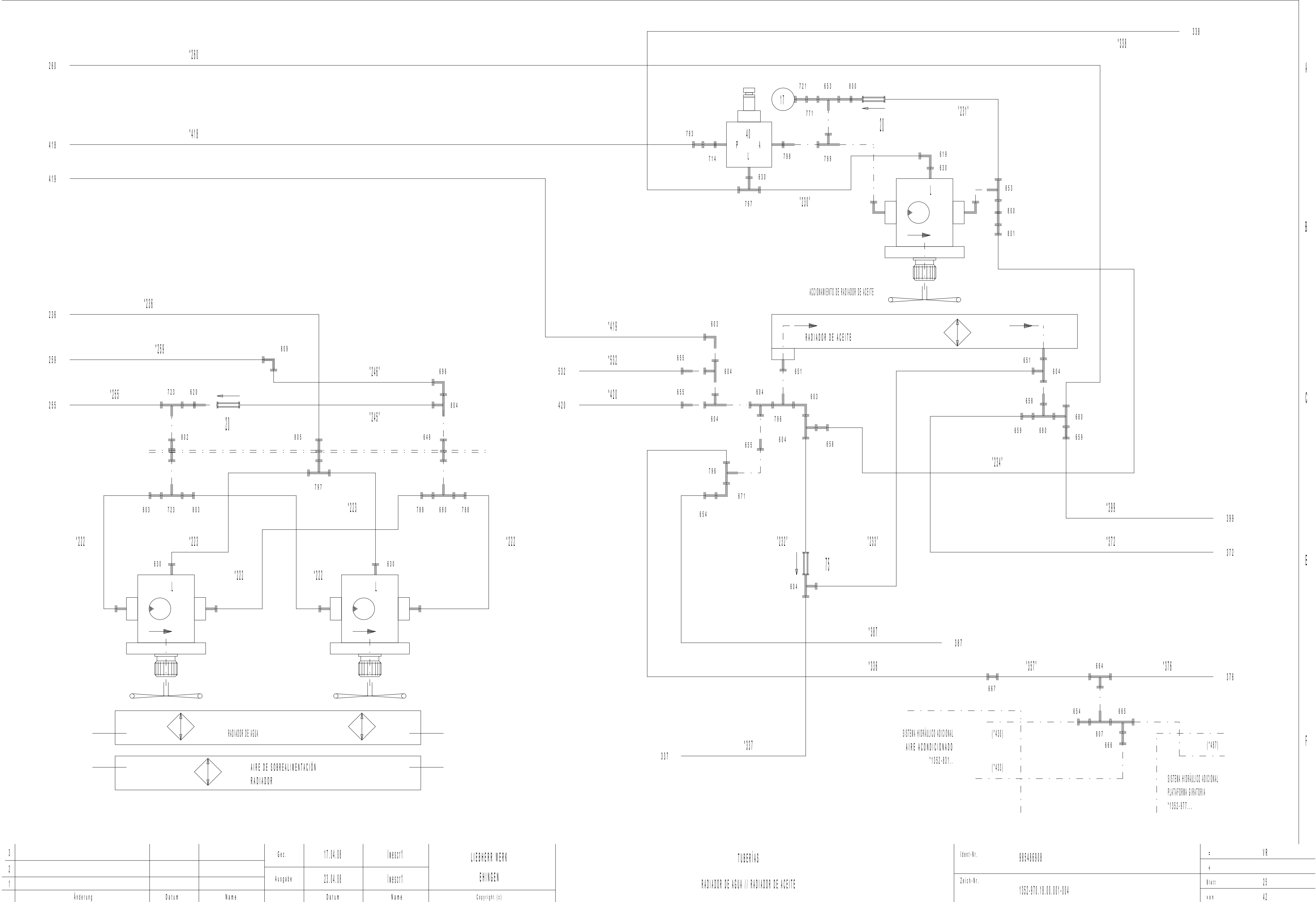


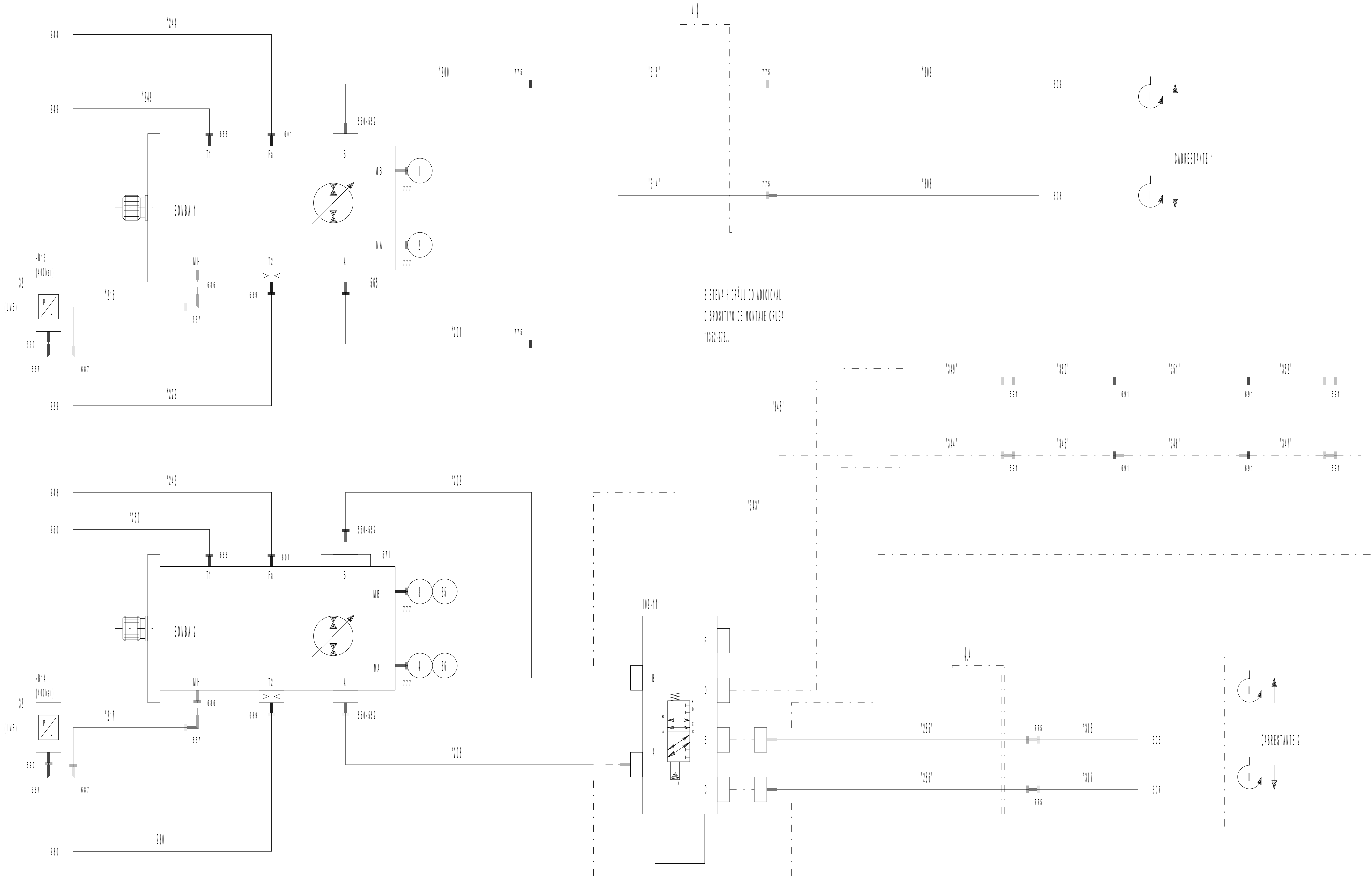


SISTEMA HIDRÁULICO ADICIONAL
CONTRAPESO FLOTANTE //
CARRO DE CONTRAPESO
1352-078...

TUBERÍAS

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 963486908 | : | VR |
| | | + | |
| Zwich-Nr. | 1952-970.19.00.001-004 | Blatt | 24 |
| | | von | 42 |



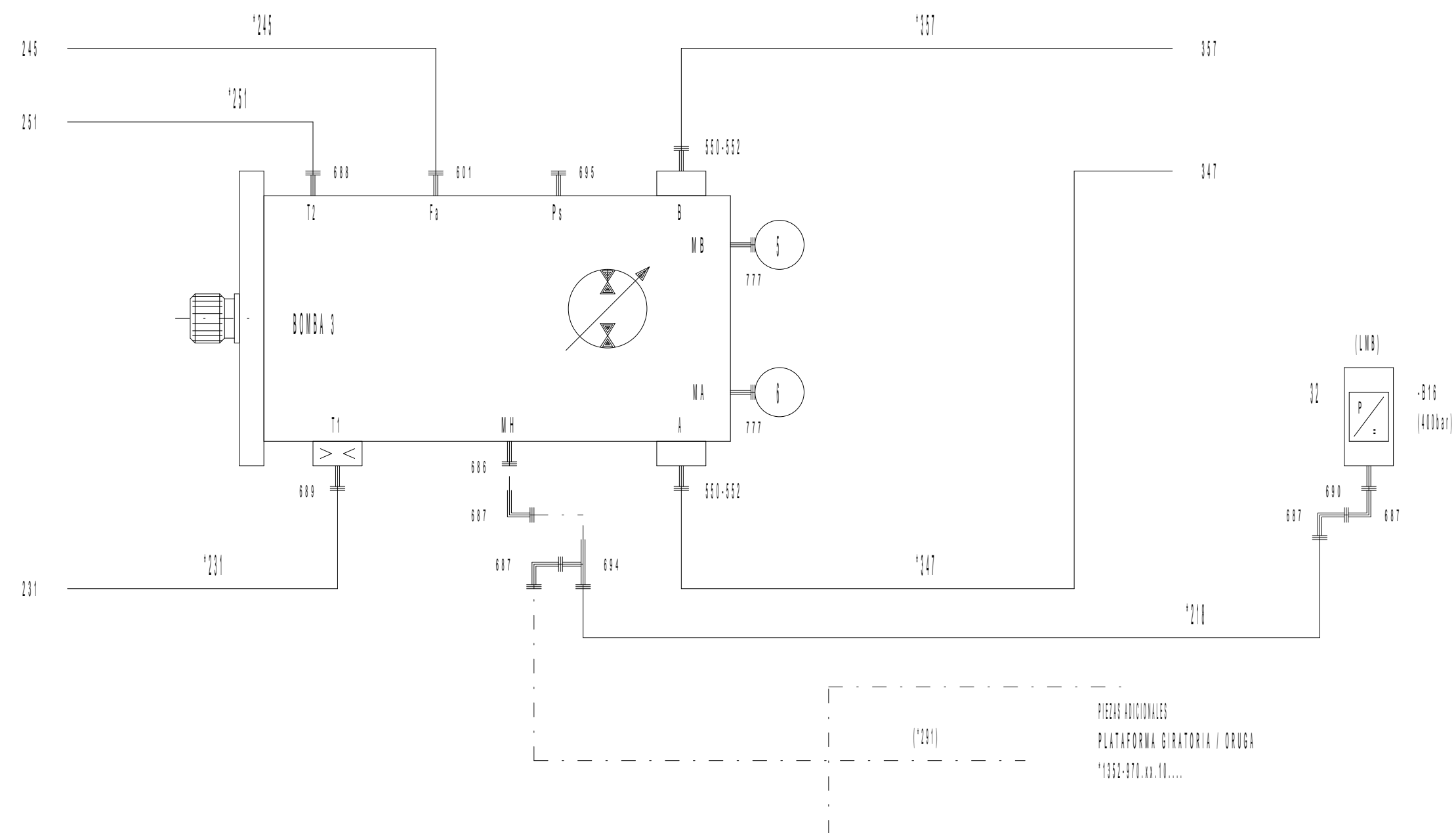
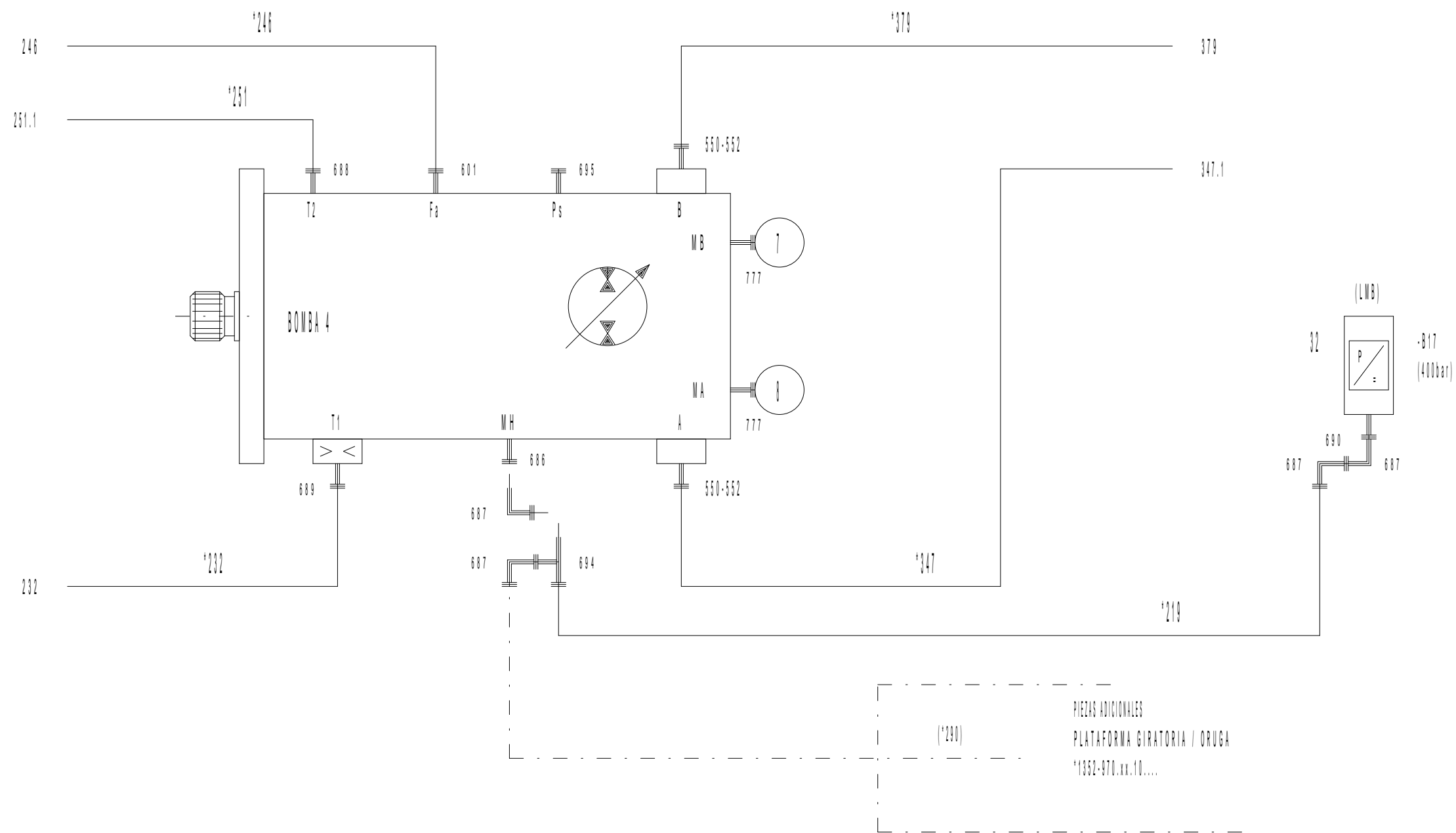


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|---|----------|-------|------|---------|----------|--------|---|
| 3 | | | | Gez. | 17.04.08 | lwescl | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.08 | lwescl | |
| 1 | Änderung | Datum | Name | | Datum | Name | |

TUBERÍAS

BOMBA 1 // 2

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 985498900 | = | VR |
| Zeich-Nr. | 1352-970.19.00.001-004 | + | |
| | | Blatt | 27 |
| | | von | 42 |

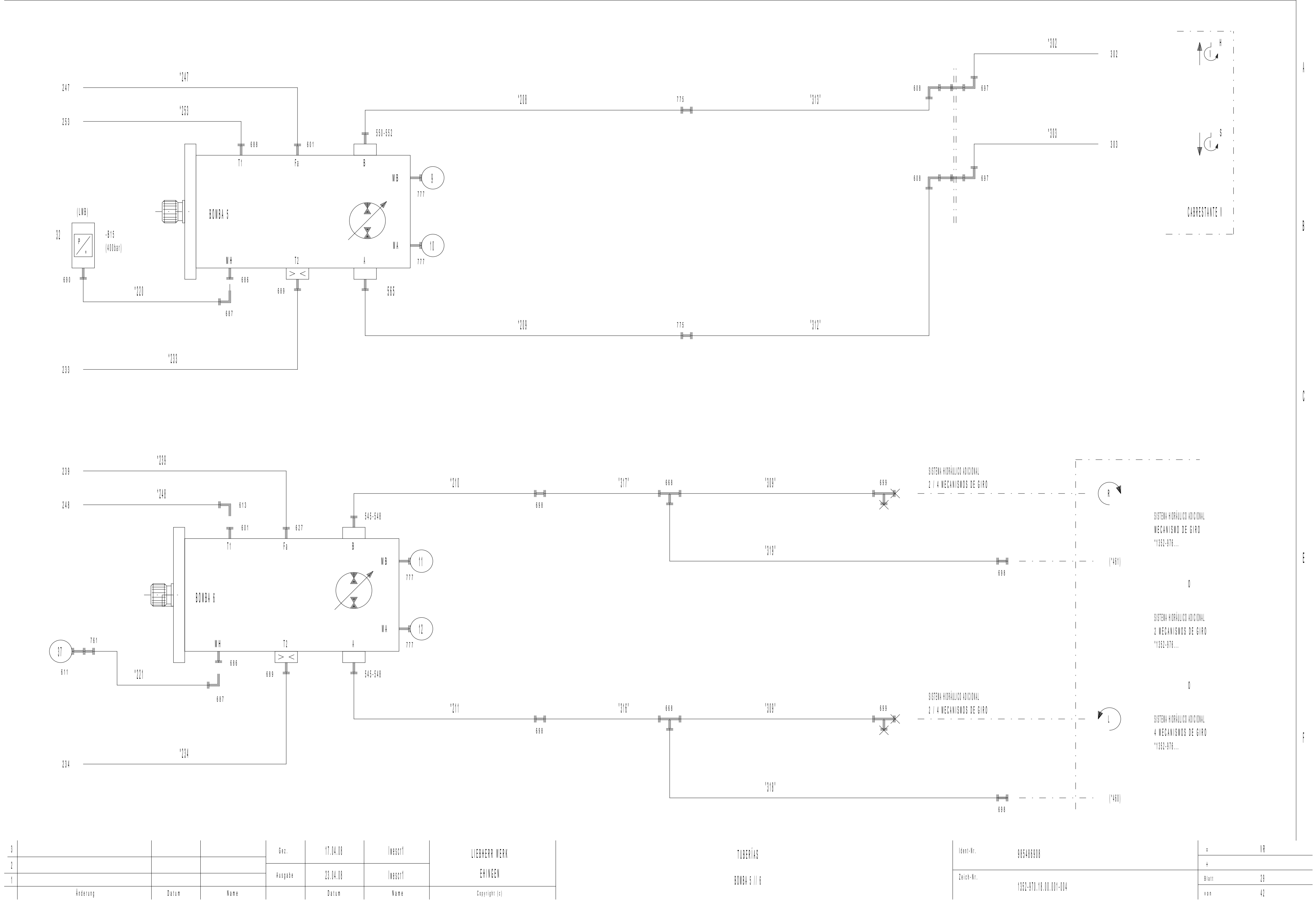


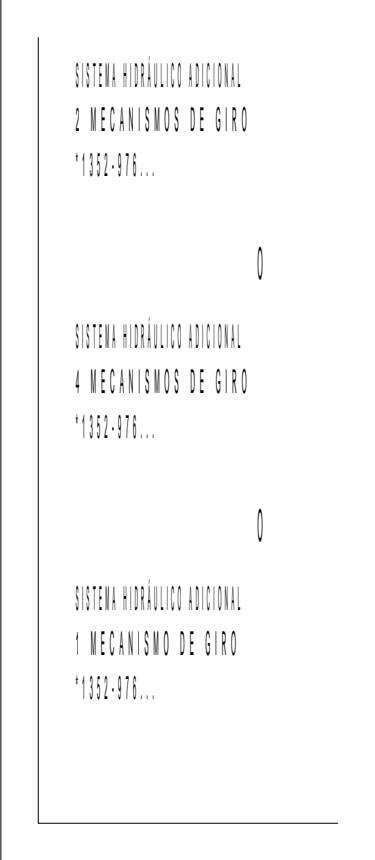
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| 2 | | | | | | | |
| 1 | | | | Ausgabe | 20.04.08 | (wescrf) | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

TUBERÍAS

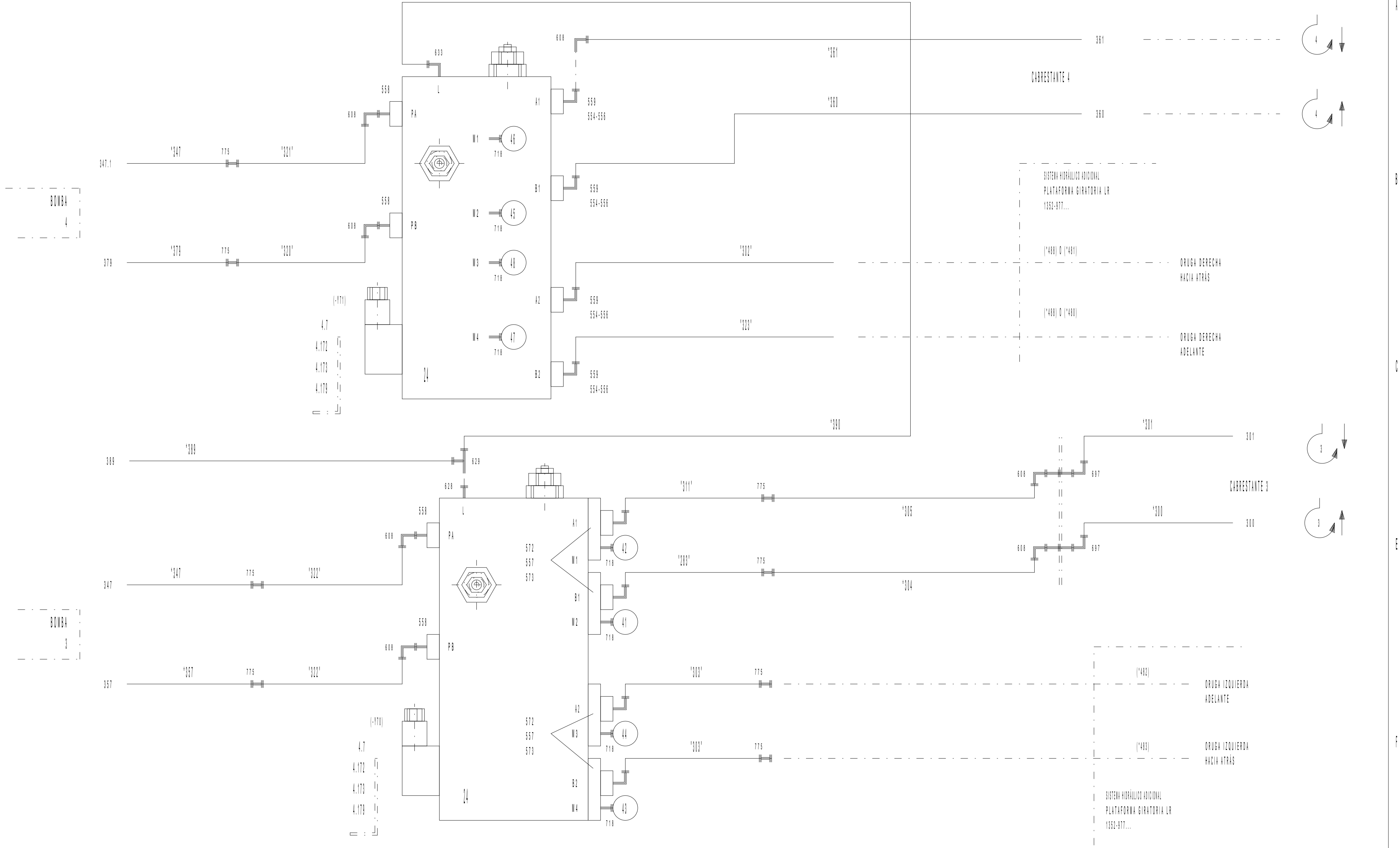
BOMBA 3 // 4

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|------------|------------------------|-------|----|
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| | | f | |
| Zeich.-Nr. | 1552-970.18.00.001-004 | Blatt | 28 |
| | | von | 42 |





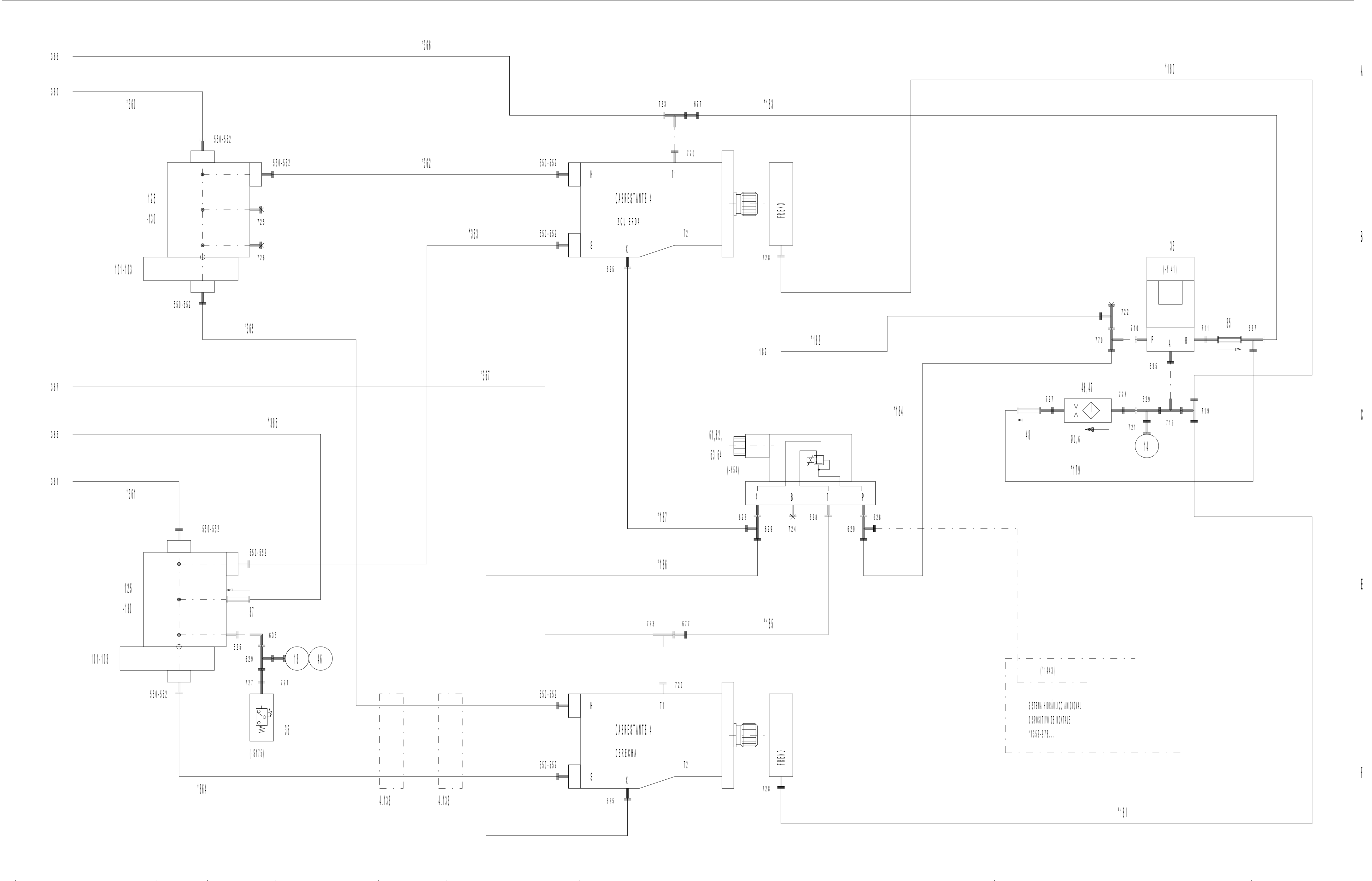
| | | | | |
|---|-----------|------------------------|-------|----|
| TUBERÍAS | Ident-Nr. | 983486908 | z | VR |
| | | | + | |
| PLATAFORMA GIRATORIA // MECANISMO DE GIRO | Zeich-Nr. | 1352-870.10.00.001-004 | Blatt | 30 |
| | | | von | 42 |



| | | | | | | | |
|---|----------|-------|------|---------|----------|--------|---------------|
| 3 | | | | Gez. | 17.04.00 | lwescl | LIEBHERR WERK |
| 2 | | | | Ausgabe | 23.04.00 | lwescl | EHINGEN |
| 1 | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

TUBERÍAS
PLATAFORMA GIRATORIA VÁLVULA DE INVERSIÓN

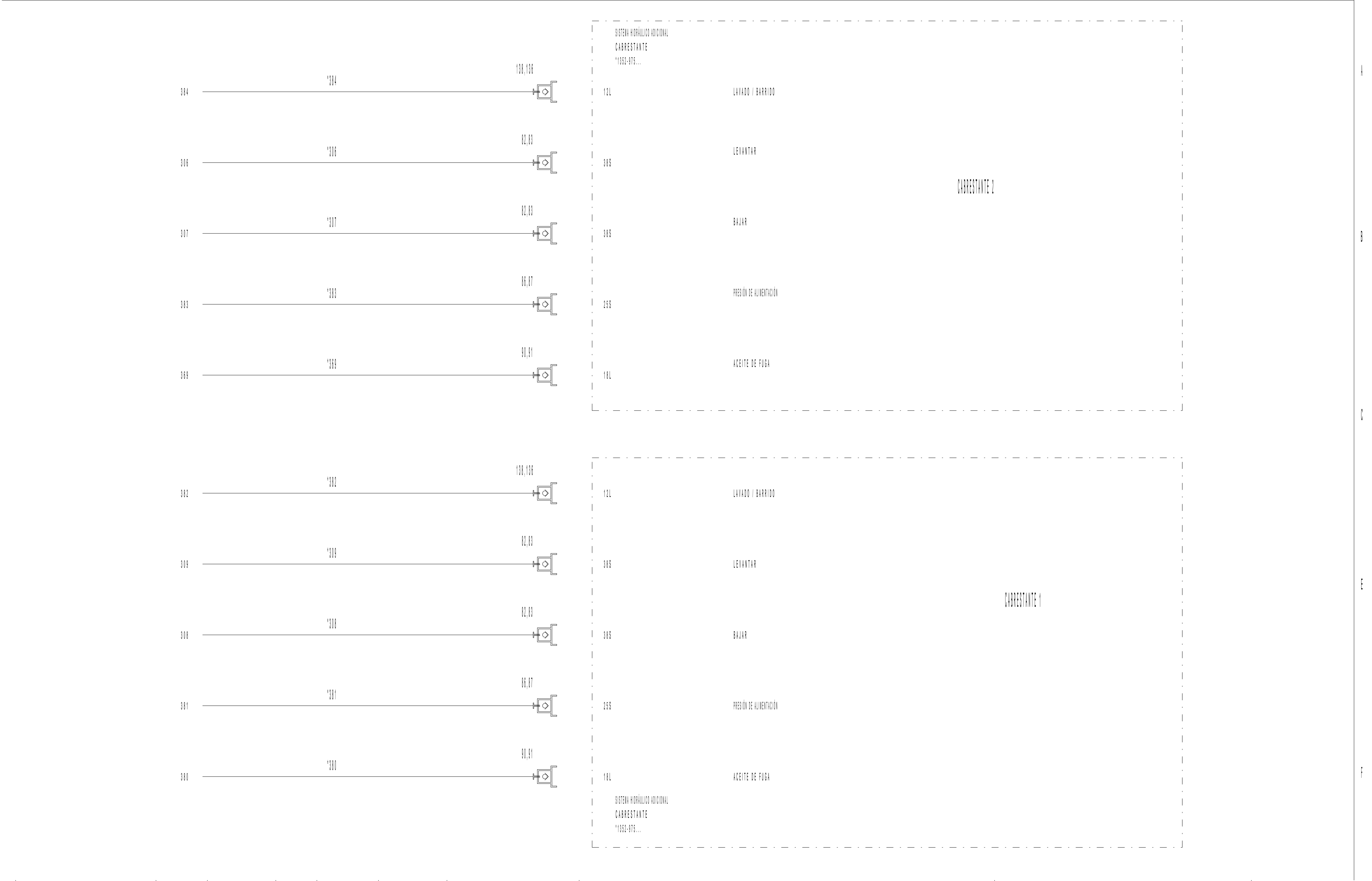
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| Ident-Nr. | 905408900 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-014 | + | |
| | | Blatt | 31 |
| | | von | 42 |



| | | | | | | | |
|---|----------|-------|------|---------|----------|----------|---|
| 3 | | | | Gez. | 17.04.00 | /mescri/ | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.00 | /mescri/ | |
| 1 | Änderung | Datum | Name | | | | |

TUBERÍAS
CABRESTANTE 4

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 005408000 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-004 | + | |
| | | Blatt | 32 |
| | | von | 42 |



| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|
| 3 | | | | Gez. | 17.04.00 | [wescr] | LIEBHERR WERK EHINGEN |
| 2 | | | | Ausgabe | 23.04.00 | [wescr] | |
| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

TUBERÍAS

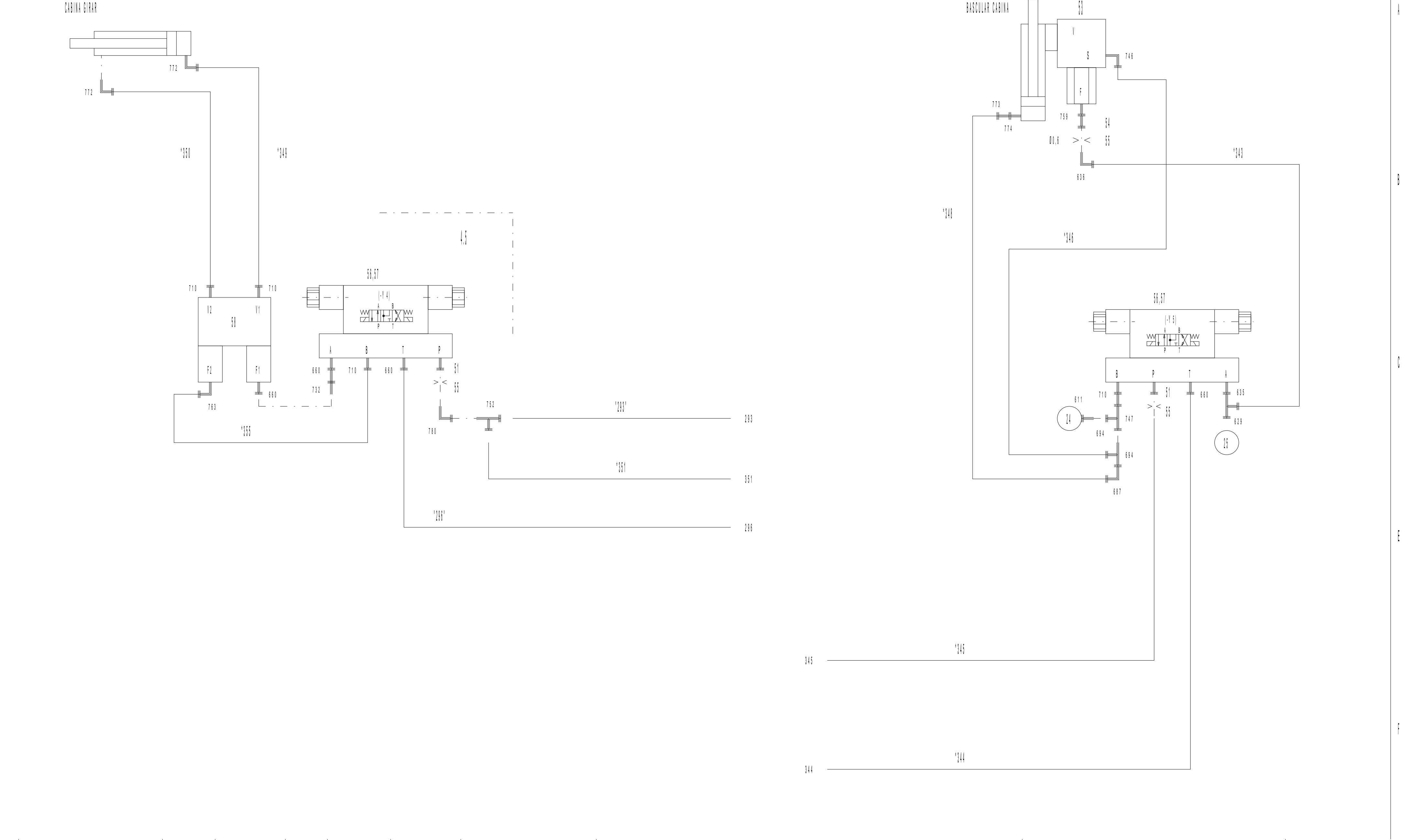
PLATAFORMA GIRATORIA - CABRESTANTE 1 / 2

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905409000 | = | VR |
| Zeich-Nr. | 1952-970.19.00.001-004 | + | |
| | | Blatt | 33 |
| | | von | 42 |



| | | |
|-------------------------------------|-------|----|
| Ident-Nr. 906409900 | : | VR |
| | + | |
| Zeich-Nr. 1952-970.19.00.001-004 | Blatt | 34 |
| | von | 42 |





| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|---|
| 3 | | | | Gez. | 17.04.00 | (wescr) | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.00 | (wescr) | |
| 1 | Änderung | Datum | Name | | | | |

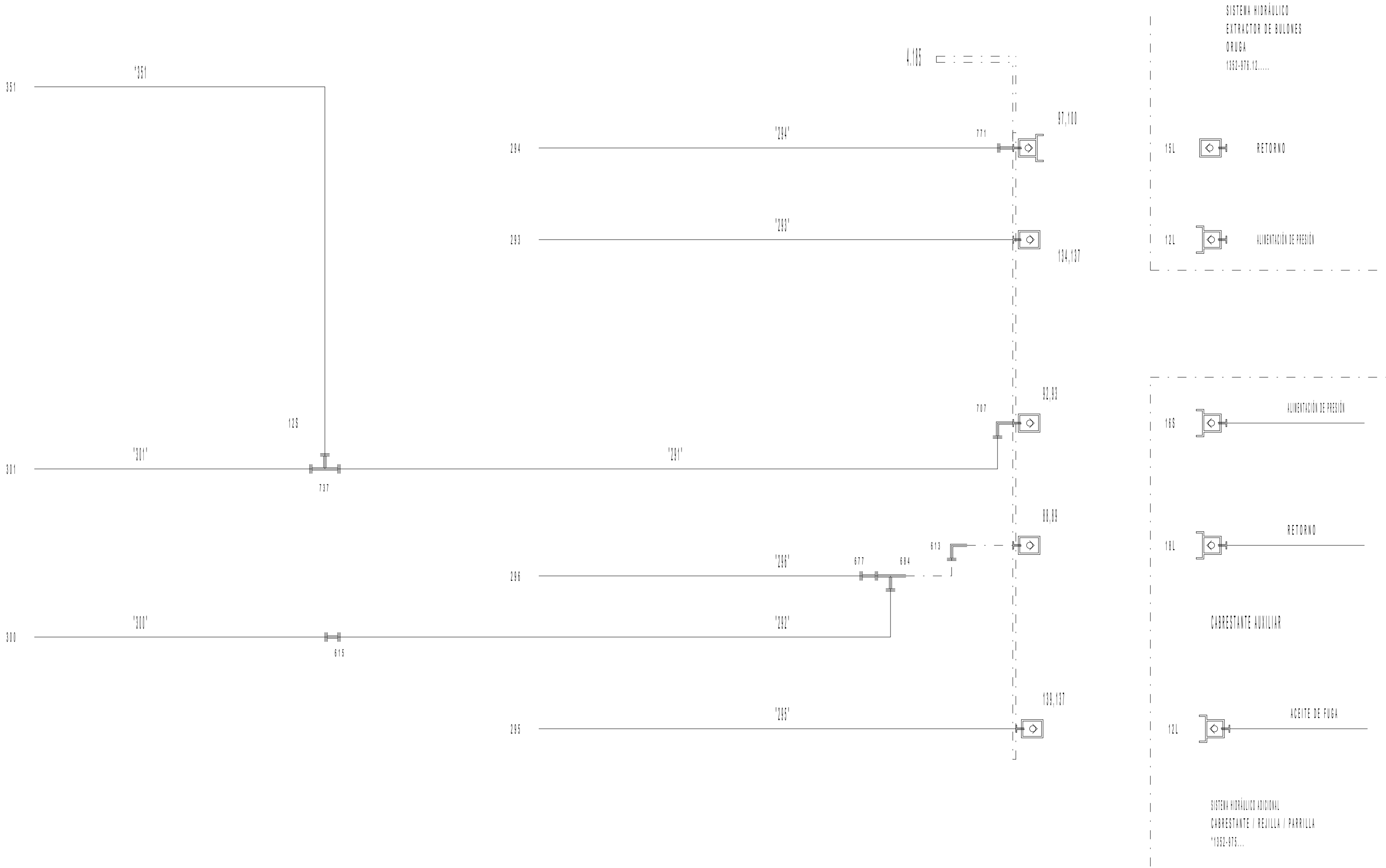
TUBERÍAS
CABINA GIRAR - BASCULAR CABINA

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905408000 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-004 | + | |
| | | Blatt | 36 |
| | | von | 42 |

| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|---|
| 3 | | | | Gez. | 17.04.00 | [wescr] | LIEBHERR WERK EHINGEN Copyright (c) |
| 2 | | | | Ausgabe | 23.04.00 | [wescr] | |
| 1 | Änderung | Datum | Name | | Datum | Name | |

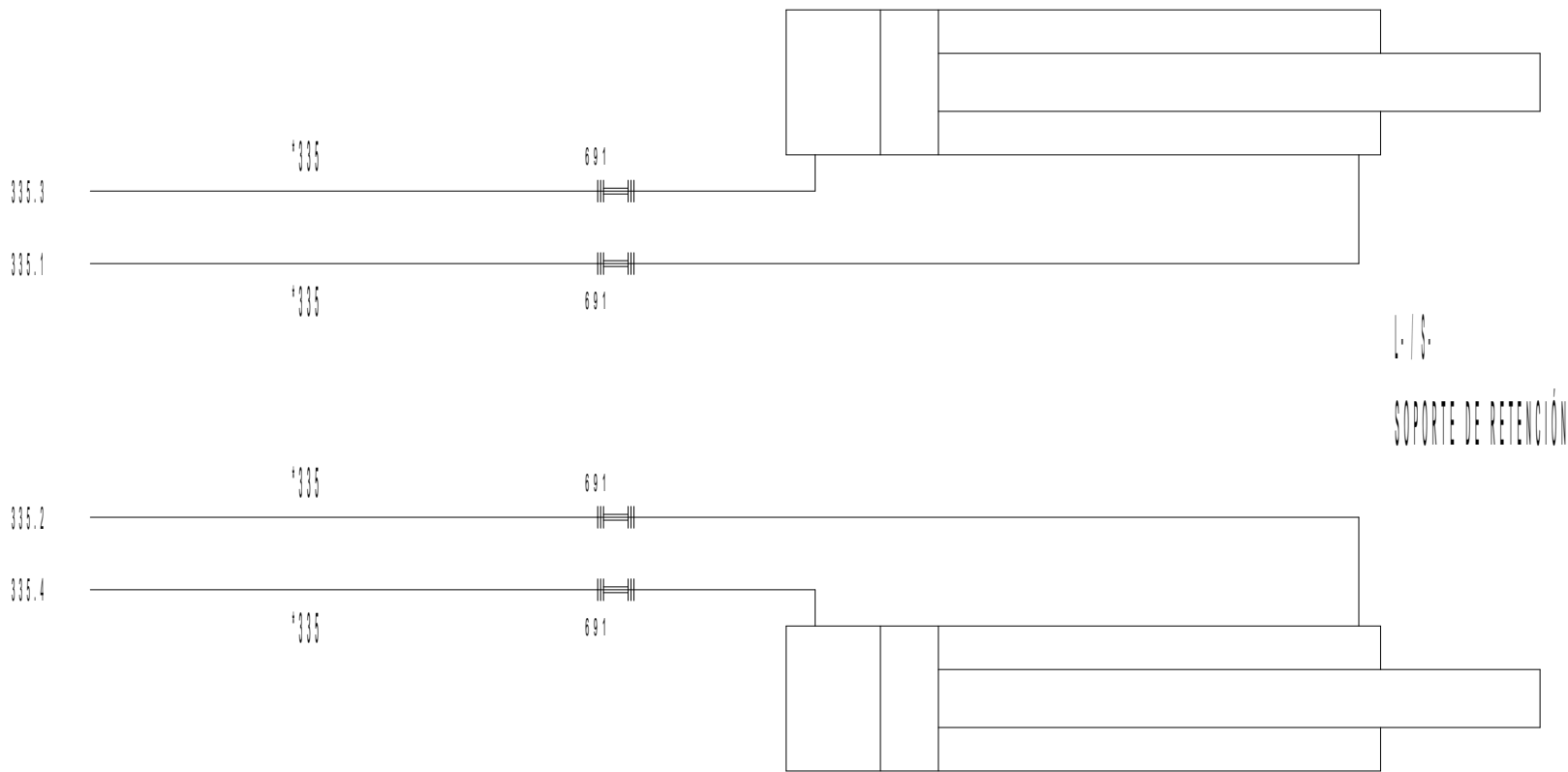
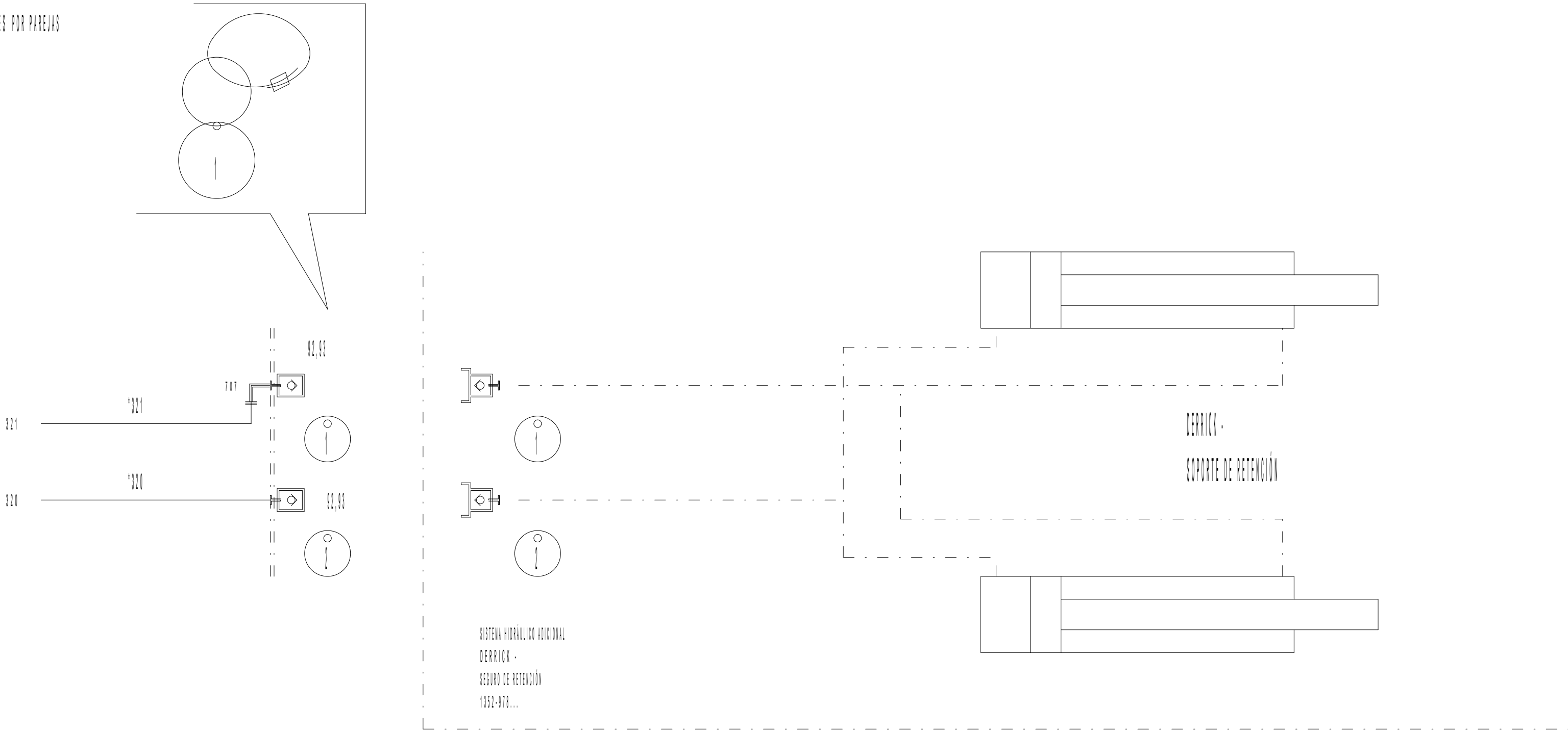
TUBERÍAS
ALIMENTACIÓN DE PRESIÓN - CABRESTANTE AUXILIAR

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905409000 | = | VR |
| Zeich-Nr. | 1352-970.10.00.001-004 | + | |
| | | Blatt | 37 |
| | | von | 42 |



IDENTIFICAR LOS ACOPLAMIENTOS / ENBRAGUES POR PAREJAS

IDENTIFICAR LOS PUNZOS DE TUBERÍA



| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|
| 3 | | | | Gez. | 17.04.08 | /wescr/ | LIEBHERR WERK EHINGEN |
| 2 | | | | Ausgabe | 23.04.08 | /wescr/ | |
| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

TUBERÍAS
DERRICK / L- / S- SOPORTE DE RETENCIÓN

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905409000 | = | VR |
| Zeich-Nr. | 1352-970.19.00.001-004 | + | |
| | | Blatt | 40 |
| | | von | 42 |



| | | | | | | | |
|---|----------|-------|------|---------|----------|---------|--------------------------|
| 3 | | | | Gez. | 17.04.08 | /wescr/ | LIEBHERR WERK EHINGEN |
| 2 | | | | Ausgabe | 23.04.08 | /wescr/ | |
| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

TUBERÍAS
REGULACIÓN DE VELOCIDAD

| | | | |
|-----------|------------------------|-------|----|
| Ident-Nr. | 905498900 | = VR | |
| | | + | |
| Zeich-Nr. | 1352-9TD.19.00.001-004 | Blatt | 41 |
| | | von | 42 |

A

B

C

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F

| | | | |
|-----|---|---|---------|
| 20 | CABALLETE SA -LIMITACIÓN DE PRESIÓN | CABALLETE SA ALTA PRESIÓN | 280 |
| | | CABALLETE SA BAJA PRESIÓN | 65 |
| | | PRESÓSTATO | 30 |
| 19 | CABALLETE SA - VÁLVULA REGULADORA DE PRESIÓN | CABALLETE SA ALTA PRESIÓN | 260 |
| | | CABALLETE SA BAJA PRESIÓN | 50 |
| 18 | BOMBA 9 | PRESIÓN MÁX. - BOMBA | 310/340 |
| | | CONSUMIDOR AUXILIAR / BOMBA DE FRENO - SERVICIO | 290/320 |
| | | CABALLETE SA ALTA PRESIÓN | 260 |
| | | CABALLETE SA BAJA PRESIÓN | 60 |
| 17 | ACCIONAMIENTO DE RADIADOR DE ACEITE | | 160 |
| 16 | BOMBA 7 | PRESIÓN MÁX. - BOMBA | 210 |
| 15 | PRESIÓN DE ALIMENTACIÓN - ALIMENTACIÓN | BOMBA 8 | 33 |
| 14 | PRESIÓN DE ALIMENTACIÓN - PRESIÓN DE SUELTA DE FRENO CABRESTANTE 4 | | 33 |
| | | | |
| 13 | CONTROL DE PRESIÓN DE ALIMENTACIÓN mín. CABRESTANTE | PRESÓSTATO | >10 |
| 12 | BOMBA 6 - HD-PA - MECANISMO DE GIRO DERECHA | | 360 |
| 11 | BOMBA 6 - HD-PB - MECANISMO DE GIRO IZQUIERDA | | 360 |
| 10 | BOMBA 5 - HD-PA CABRESTANTE 5 -BAJAR | | 100 |
| | | | |
| 9 | BOMBA 5 - HD-PB CABRESTANTE 5 -LEVANTAR | | 385 |
| 8 | BOMBA 4 - HD-PA | | 385 |
| 7 | BOMBA 4 - HD-PB | | 385 |
| 6 | BOMBA 3 - HD-PA | | 385 |
| 5 | BOMBA 3 - HD-PB | | 385 |
| 4 | BOMBA 2 - HD-PA CABRESTANTE 2 -BAJAR | | 100 |
| | | | |
| 3 | BOMBA 2 - HD-PB CABRESTANTE 2 -LEVANTAR | | 385 |
| 2 | BOMBA 1 - HD-PA CABRESTANTE 1 -BAJAR | | 100 |
| | | | |
| 1 | BOMBA 1 - HD-PB CABRESTANTE 1 -LEVANTAR | | 385 |
| NR. | PUNTO DE MEDICIÓN | | bar |

| | | |
|-----|---|---|
| 52 | | |
| 51 | | |
| 50 | | |
| 49 | | |
| 48 | ORUGA DERECHA -HACIA ATRÁS | 385/340 |
| 47 | ORUGA DERECHA -ADELANTE | 385/340 |
| 46 | CABRESTANTE 4 - BAJAR | 100 |
| 45 | CABRESTANTE 4 - LEVANTAR | 385 |
| 44 | ORUGA IZQUIERDA -HACIA ATRÁS | 385/340 |
| 43 | ORUGA IZQUIERDA -ADELANTE | 385/340 |
| 42 | CABRESTANTE 3 - BAJAR | 100 |
| 41 | CABRESTANTE 3 - LEVANTAR | 385 |
| | | |
| 37 | BOMBA 6 - MECANISMO DE GIRO | 360 |
| 36 | DISPOSITIVO DE MONTAJE | EXTENDER 100 |
| 35 | TRAMO TELESCÓPICO / ORUGA | RETRAER / INTRODUCIR 385 |
| 34 | | |
| 33 | | |
| 32 | CILINDROS DE RETENCIÓN (MONTAJE) | RETRAER / INTRODUCIR 60 |
| | | BAJA PRESIÓN 60 |
| | | ALTA PRESIÓN 280 |
| 29 | 5- CILINDROS DE RETENCIÓN / | BAJA PRESIÓN 120 |
| 28 | LIMITACIÓN DE PRESIÓN | ALTA PRESIÓN 280 |
| 27 | CILINDROS DE RETENCIÓN - VÁLVULA REGULADORA DE PRESIÓN | CILINDROS DE RETENCIÓN ALTA PRESIÓN 210 |
| | | CILINDROS DE RETENCIÓN BAJA PRESIÓN 50 |
| | | PRESIÓN MÁX. - BOMBA 310 |
| 26 | BOMBA 10 | CILINDROS DE RETENCIÓN - HD/ BOMBA DE FRENO - SERVICIO 250 |
| | | CILINDROS DE RETENCIÓN BAJA PRESIÓN 60 |
| | | |
| 25 | BASCULAR CABINA - ARRIBA | 200 |
| 24 | BASCULAR CABINA - ABAJO | 200 |
| 23 | CABINA GIRAR | 200 |
| 22 | CABRESTANTE AUXILIAR - BOBINAR | 150 |
| 21 | CABRESTANTE AUXILIAR - DESBOBINAR | 50/150 |
| NR. | PUNTO DE MEDICIÓN | bar |

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|---|----------|-------|------|---------|----------|---------|--------------------------|
| 3 | | | | Gez. | 17.04.08 | /wescf/ | LIEBHERR WERK EHINGEN |
| 2 | | | | Ausgabe | 23.04.08 | /wescf/ | |
| 1 | | | | | | | |
| | Änderung | Datum | Name | | Datum | Name | Copyright (c) |

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|--------------------|-----------|------------------------|-------|----|
| AJUSTES DE PRESIÓN | Ident-Nr. | 38548800 | = | VR |
| | | | + | |
| | Zeich-Nr. | 1352-970.19.00.001-004 | Blatt | 42 |
| | | | von | 42 |