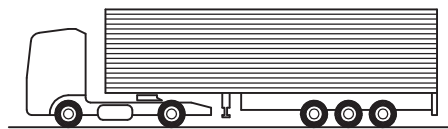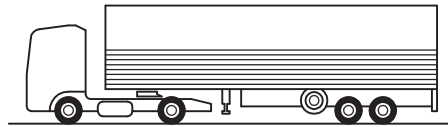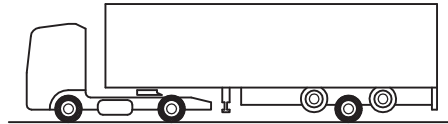# Control of Two Lift Axles
Full Automatic and Sequential

ACCEVAL MCE-2
AUTOMATIC AND SEQUENTIAL CONTROL SYSTEM FOR TWO LIFT AXLES WITH TWO MCE-2 VALVES

* Using two MCE-2 valves is possible the perfect automatic and sequential control of two lift axles into the same vehicle, keeping on the ground only the necessary number of axles depending on the load over the vehicle.

* To get the correct system working and the pro-gramed sequence, it is necessary to realize some specific connections between both valves, as we can see on the attached schemes.

* According to drop first the rear axle or the front axle, we can see the reversion of these connections.

* Adjustment of automatic lifting pressure has to be different for this two valves into the same vehicle:

I) VEHICLE WITH 360 MM BELLOWS:
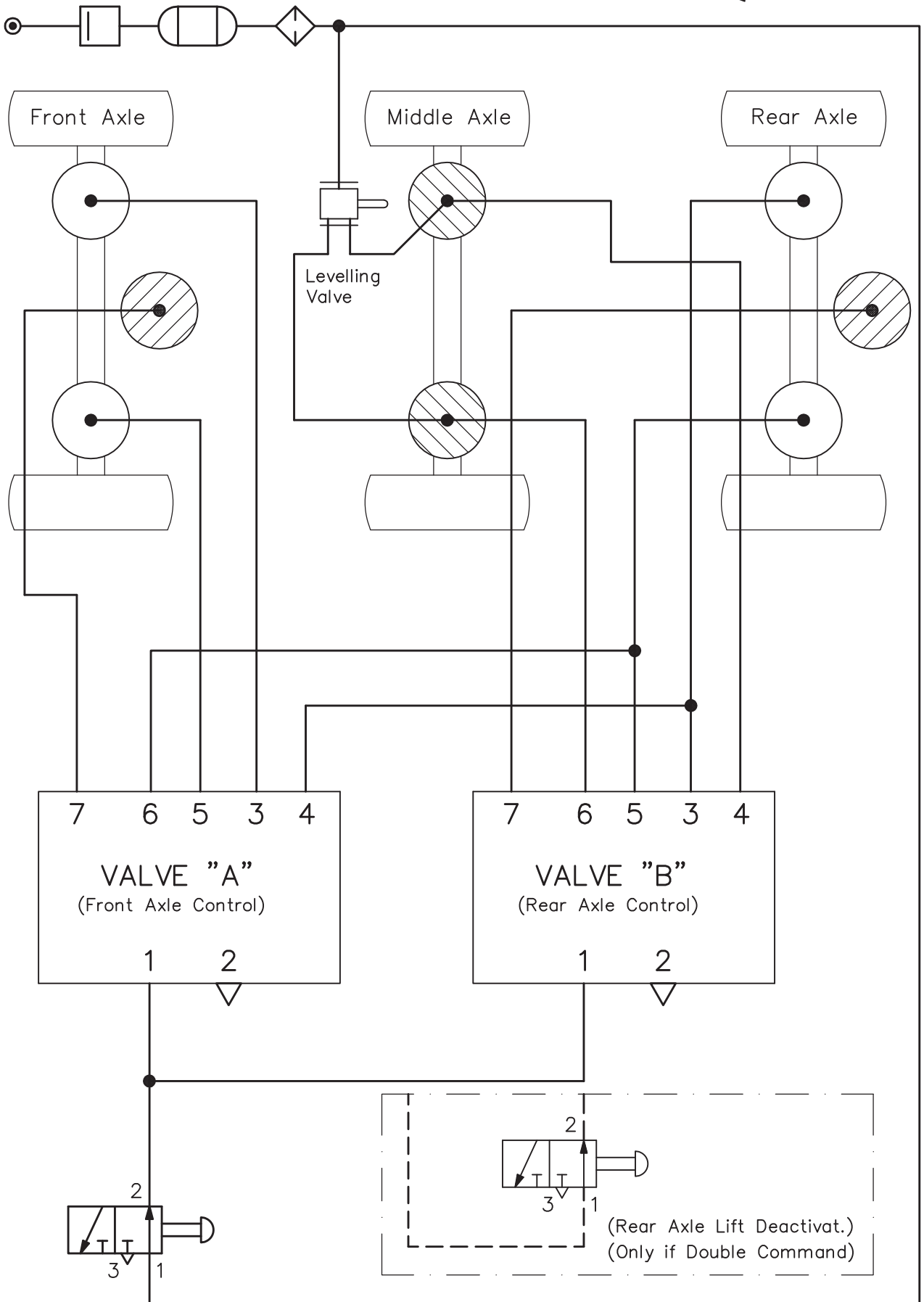
+ VALVE "A": MCE2-3217
+ VALVE "B": MCE2-3212

II) VEHICLE WITH 300 MM BELLOWS:

+ VALVE "A": MCE2-4526
+ VALVE "B": MCE2-4519

* When we use double command to deactivate the lift axle system, we have to realize too the specific connection between two deactivation valves, as we can see on the corresponding attached schemes.

* We use VTN-1 valves to get the manual deactivation of lift axle system on the attached schemes. We can replace VTN-1 valves with VEB-2 solenoid valves to get the electrical deactivation from the cab.

CONTROL OF TWO LIFT AXLES
SCHEME TO DROP FIRST THE REAR AXLE

DRIVING DIRECTION

Front Axle

Middle Axle

Rear Axle

Levelling
Valve

7   6   5   3   4

VALVE "A"
(Front Axle Control)

1   2

7   6   5   3   4

VALVE "B"
(Rear Axle Control)

1   2

2

3   1

(Rear Axle Lift Deactivat.)
(Only if Double Command)

2

3   1

(Both Axle Lift Deactivation)

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CONTROL OF TWO LIFT AXLES
SCHEME TO DROP FIRST THE FRONT AXLE

DRIVING DIRECTION

Rear Axle

Middle Axle

Front Axle

Levelling
Valve

7	6	5	3	4

VALVE "A"
(Rear Axle Control)

1	2

7	6	5	3	4

VALVE "B"
(Front Axle Control)

1	2

2

3   1

(Front Axle Lift Deactivat.)
(Only if Double Command)

2

3   1

(Both Axle Lift Deactivation)

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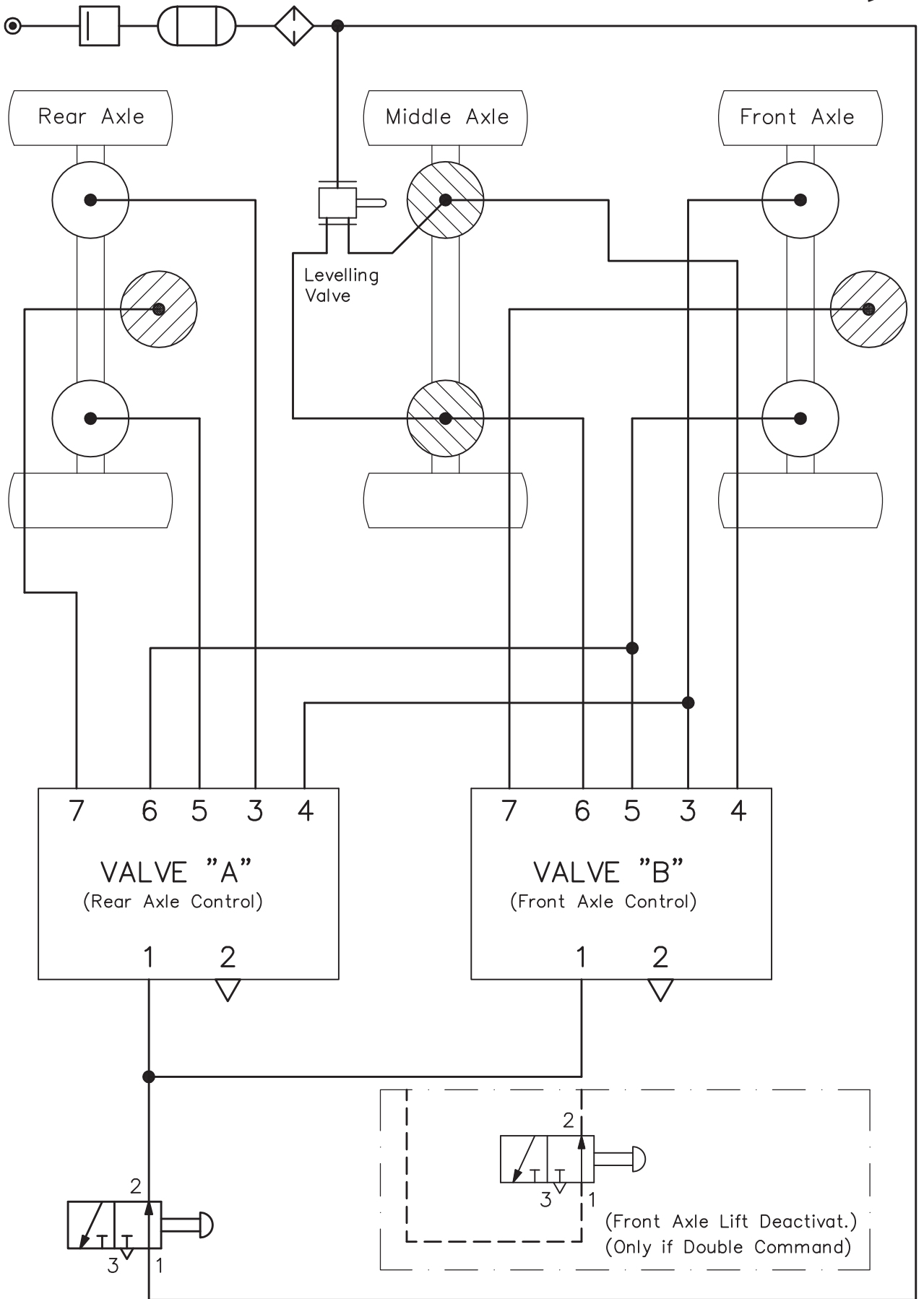
Acceval MCE-2M
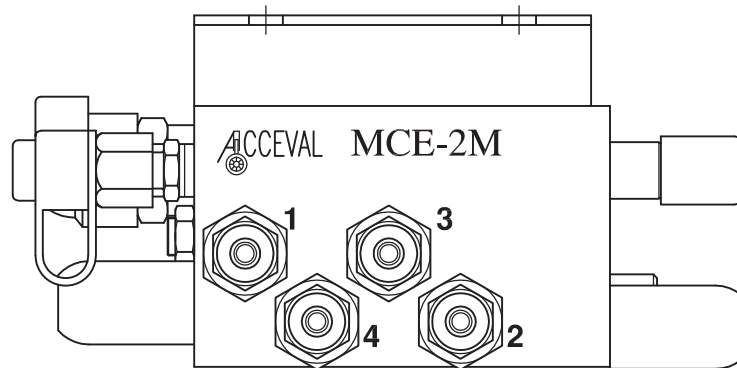
Lift Axle Control Valve
With Automatic Drop Function

Independent of EBS System

For Suspensions with
Single Circuit

Full Automatic