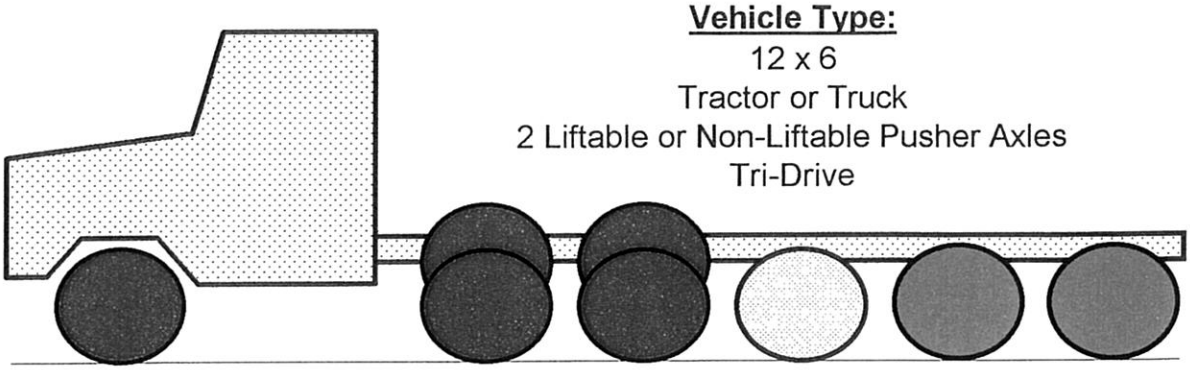
Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Pusher Axles
Tri-Drive



	Steering		Pusher Axles		Drive Axles		
Std. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	6 psi sustained		5.5 psi		5.5 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#1**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

	Steering		Pusher Axles		Drive Axles		
Std. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	6 psi sustained		5.5 psi		5.5 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#2**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

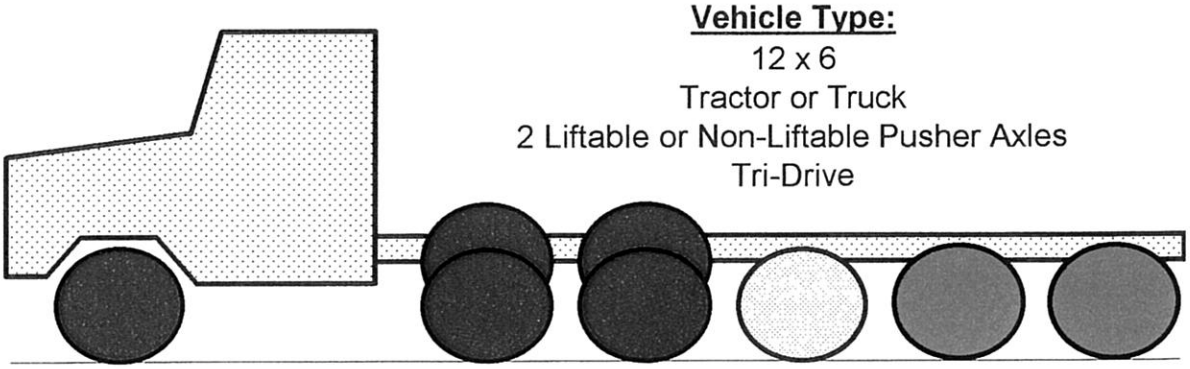
	Steering		Pusher Axles		Drive Axles		
Std. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	2-4.5 psi sustained		4.0 psi		5.5 or 4.0 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#3**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

	Steering		Pusher Axles		Drive Axles		
Std. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	2-4.5 psi sustained		4.0 psi		5.5 or 4.0 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#4**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Pusher Axles
Tri-Drive



	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	2-4.5 psi		4.0 psi		4.0 psi	4.0 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#5**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	2-4.5 psi		4.0 psi		4.0 psi	4.0 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#6**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

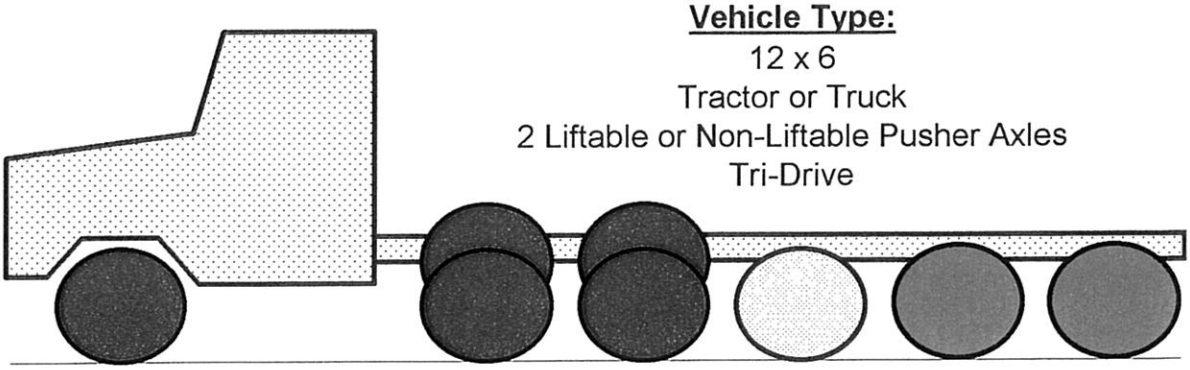
	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	0-1 psi		4.0 psi		4.0 psi	4.0 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#7**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Quick Release		Relay-1		Relay-2	Relay-3	
Hold-Off	0-1 psi		4.0 psi		4.0 psi	4.0 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#8**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Pusher Axles
Tri-Drive



	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Relay-1		Relay-2		Relay-3	Relay-4	
Hold-Off	5.5 psi		5.5 psi		5.5 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#9**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Relay-1		Relay-2		Relay-3	Relay-4	
Hold-Off	5.5 psi		5.5 psi		5.5 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#10**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

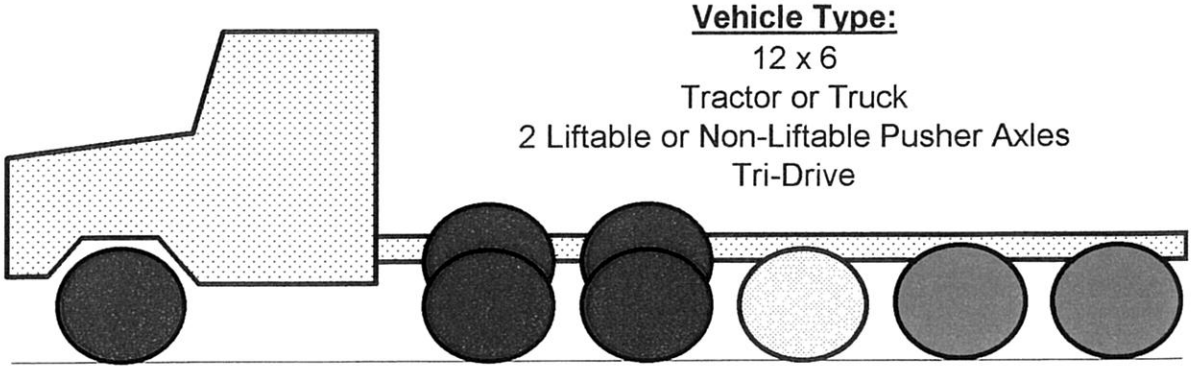
	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Relay-1		Relay-2		Relay-3	Relay-4	
Hold-Off	4.0 psi		4.0 psi		5.5 or 4.0 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#11**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

	Steering		Pusher Axles		Drive Axles		
Opt. Valve	Relay-1		Relay-2		Relay-3	Relay-4	
Hold-Off	4.0 psi		4.0 psi		5.5 or 4.0 psi	5.5 psi	
Circuit	Secondary	**Configuration**	Secondary		Prim or Sec	Primary	
ABS Sensor	Sensed	**#12**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Pusher Axles
Tri-Drive



	Steering		Pusher Axles		Drive Axles		
Opt. Valve Hold-Off Circuit	Relay-1 4.0 psi Secondary	**Configuration**	Relay-2 4.0 psi Secondary		Relay-3 4.0 psi Prim or Sec	Relay-4 4.0 psi Primary	
ABS Sensor	Sensed	**#13**	No	No	No	No	Sensed
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #1	

Opt. Valve Hold-Off Circuit	Relay-1 4.0 psi Secondary	**Configuration**	Relay-2 4.0 psi Secondary		Relay-3 4.0 psi Prim or Sec	Relay-4 4.0 psi Primary	
ABS Sensor	Sensed	**#14**	No	No	No	Sensed	No
Modulator	Modulated		No	No	No	Modulated	Modulated
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	Any	For Suspension Group #2	

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

nd ABS

Design Rules For Valves Ar

Vehicle Type:

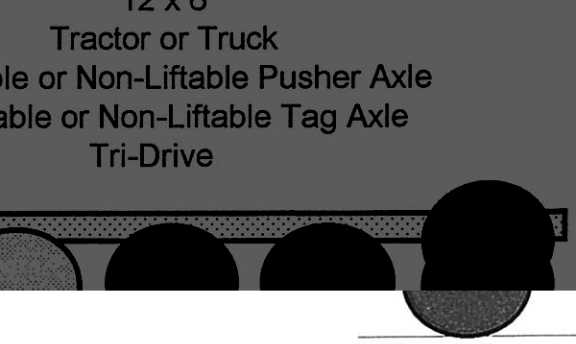
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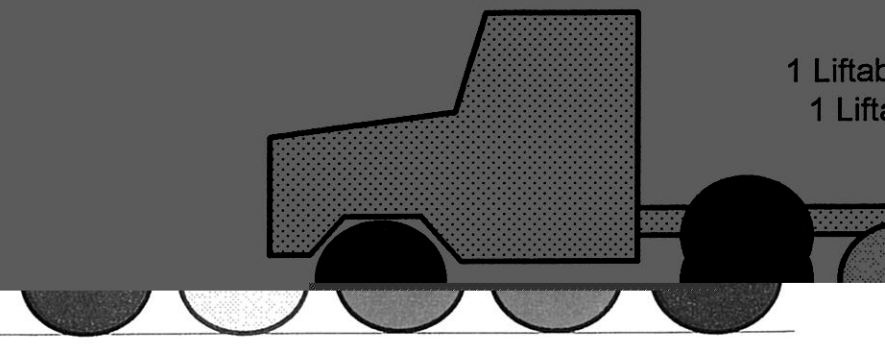
Tractor or Truck

ble or Non-Liftable Pusher Axle

able or Non-Liftable Tag Axle

Tri-Drive





1 Liftab

1 Lifta

	Steering		Pusher	Drive Axles			Tag Axle
Std. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	6 psi sustained		5.5 psi	5.5 psi	5.5 psi		5.5 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#1**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any
Std. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	6 psi sustained		5.5 psi	5.5 psi	5.5 psi		5.5 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#2**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any
Std. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	2-4.5 psi sustained		4.0 psi	4.0 or 5.5 psi	5.5 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#3**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any
Std. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	2-4.5 psi sustained		4.0 psi	4.0 or 5.5 psi	5.5 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#4**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any

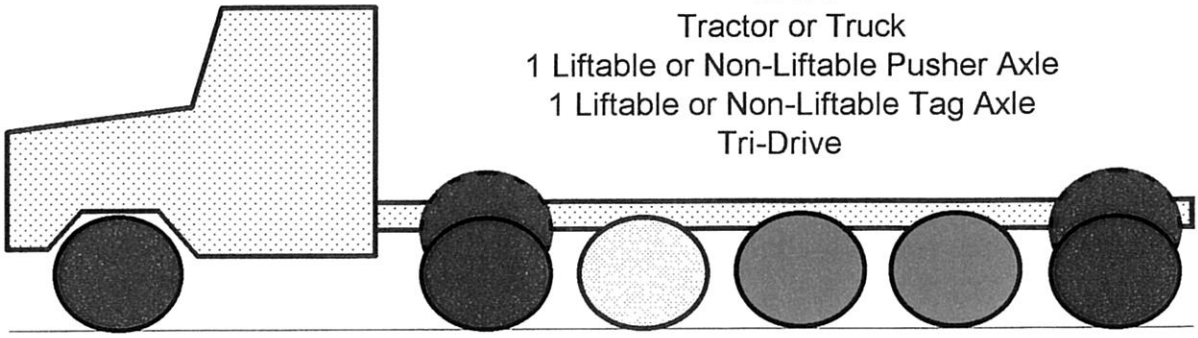
Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers

Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:

12 x 6
Tractor or Truck
1 Liftable or Non-Liftable Pusher Axle
1 Liftable or Non-Liftable Tag Axle
Tri-Drive



	Steering		Pusher	Drive Axles			Tag Axle
Opt. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	2-4.5 psi		4.0 psi	4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#5**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any

Opt. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	2-4.5 psi		4.0 psi	4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#6**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any

Opt. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	0-1 psi		4.0 psi	4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#7**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any

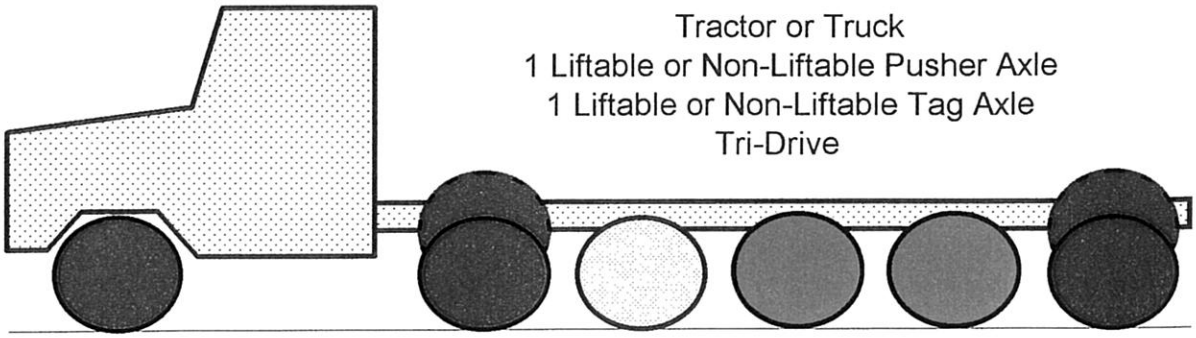
Opt. Valve	Quick Release		Relay-1	Relay-1 or 2	Relay-3		Relay-4
Hold-Off	0-1 psi		4.0 psi	4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#8**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:

12 x 6
Tractor or Truck
1 Liftable or Non-Liftable Pusher Axle
1 Liftable or Non-Liftable Tag Axle
Tri-Drive



	Steering		Pusher	Drive Axles			Tag Axle
Opt. Valve	Relay-1		Relay-2	Relay-2 or 3	Relay-4		Relay-5
Hold-Off	5.5 psi		5.5 psi	5.5 psi	5.5 psi		5.5 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#9**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any

	Steering		Pusher	Drive Axles			Tag Axle
Opt. Valve	Relay-1		Relay-2	Relay-2 or 3	Relay-4		Relay-5
Hold-Off	5.5 psi		5.5 psi	5.5 psi	5.5 psi		5.5 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#10**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any

	Steering		Pusher	Drive Axles			Tag Axle
Opt. Valve	Relay-1		Relay-2	Relay-2 or 3	Relay-4		Relay-5
Hold-Off	4.0 psi		4.0 psi	4.0 or 5.5 psi	5.5 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#11**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any

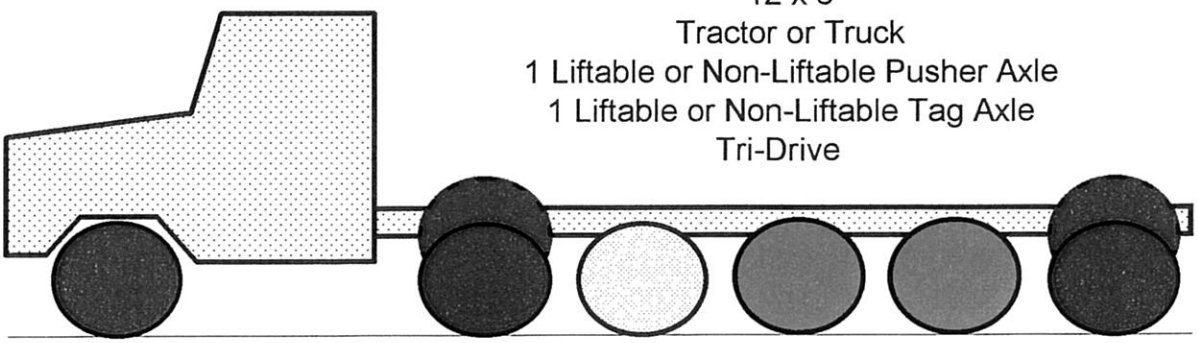
	Steering		Pusher	Drive Axles			Tag Axle
Opt. Valve	Relay-1		Relay-2	Relay-2 or 3	Relay-4		Relay-5
Hold-Off	4.0 psi		4.0 psi	4.0 or 5.5 psi	5.5 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#12**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:

12 x 6
Tractor or Truck
1 Liftable or Non-Liftable Pusher Axle
1 Liftable or Non-Liftable Tag Axle
Tri-Drive



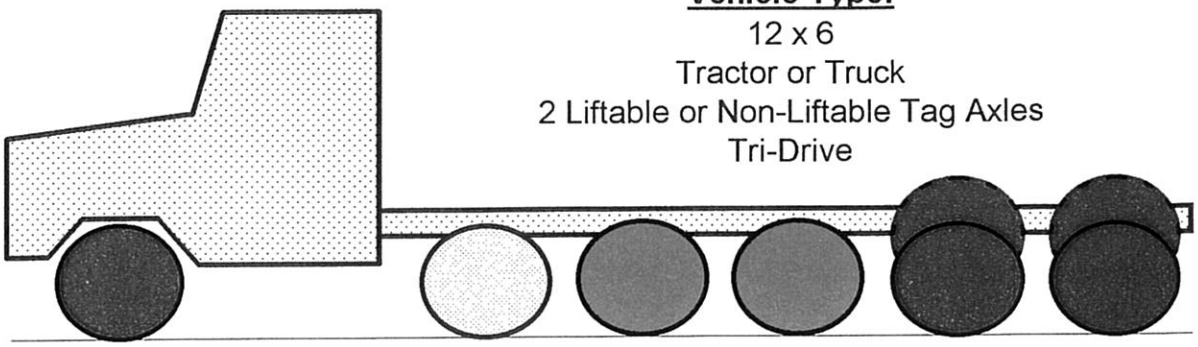
	Steering		Pusher	Drive Axles			Tag Axle
Opt. Valve	Relay-1		Relay-2	Relay-2 or 3	Relay-4		Relay-5
Hold-Off	4.0 psi		4.0 psi	4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#13**	No	No	No	Sensed	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #1		Any

Opt. Valve	Relay-1		Relay-2	Relay-2 or 3	Relay-4		Relay-5
Hold-Off	4.0 psi		4.0 psi	4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary	**Configuration**	Secondary	Sec or Prim	Primary		Secondary
ABS Sensor	Sensed	**#14**	No	No	Sensed	No	No
Modulator	Modulated		No	No	Modulated	Modulated	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	Any	For Suspension Group #2		Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Tag Axles
Tri-Drive



	Steering		Drive Axles			Tag Axle	
Std. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	6 psi sustained		5.5 psi	5.5 psi		5.5 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#1**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

	Steering		Drive Axles			Tag Axle	
Std. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	6 psi sustained		5.5 psi	5.5 psi		5.5 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#2**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

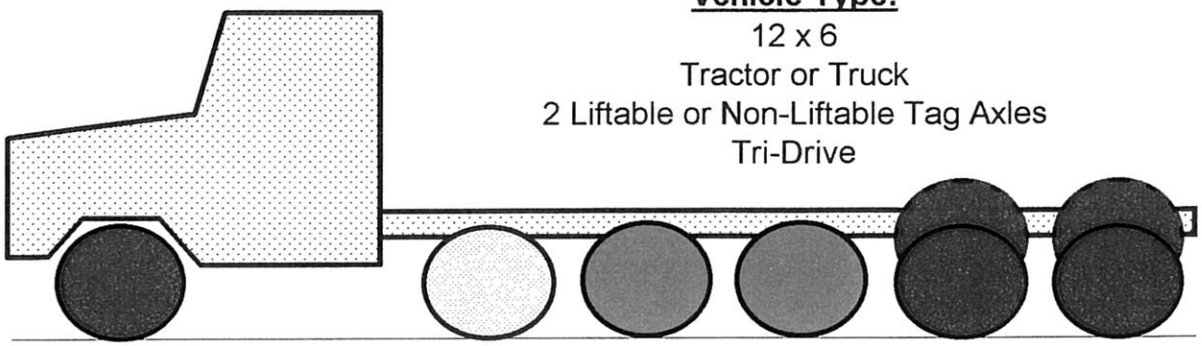
	Steering		Drive Axles			Tag Axle	
Std. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	2-4.5 psi sustained		5.5 or 4.0 psi	5.5 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#3**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

	Steering		Drive Axles			Tag Axle	
Std. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	2-4.5 psi sustained		5.5 or 4.0 psi	5.5 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#4**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Tag Axles
Tri-Drive



	Steering		Drive Axles			Tag Axle	
Opt. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	2-4.5 psi		4.0 psi	4.0 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#5**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

Opt. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	2-4.5 psi		4.0 psi	4.0 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#6**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

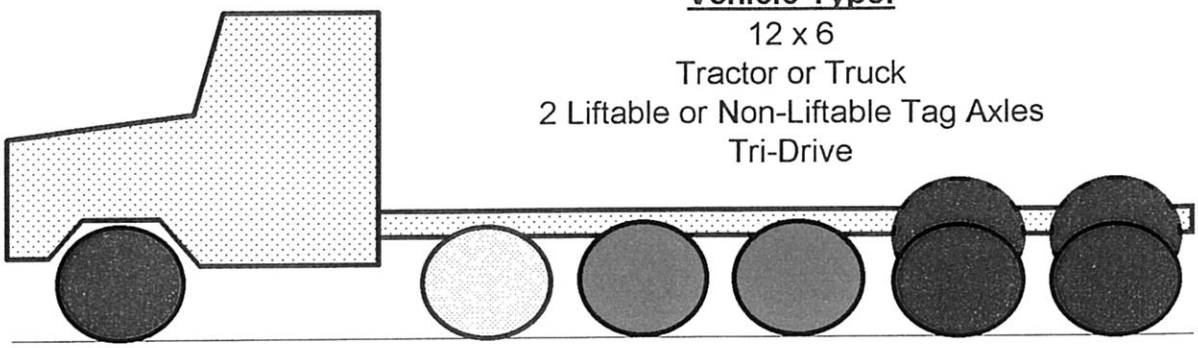
Opt. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	0-1 psi		4.0 psi	4.0 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#7**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

Opt. Valve	Quick Release		Relay-1	Relay-2		Relay-3	
Hold-Off	0-1 psi		4.0 psi	4.0 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#8**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	24" or Less		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Tag Axles
Tri-Drive



	Steering		Drive Axles			Tag Axle	
Opt. Valve	Relay-1		Relay-2	Relay-3		Relay-4	
Hold-Off	5.5 psi		5.5 psi	5.5 psi		5.5 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#9**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

Opt. Valve	Relay-1		Relay-2	Relay-3		Relay-4	
Hold-Off	5.5 psi		5.5 psi	5.5 psi		5.5 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#10**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

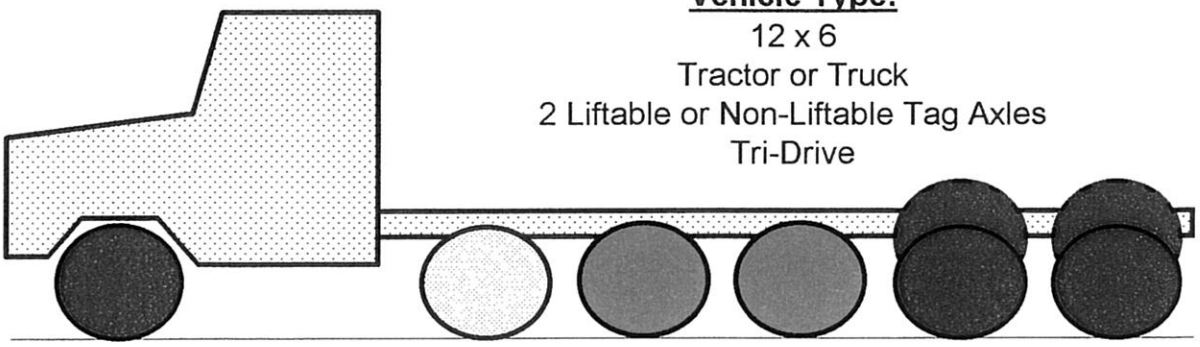
Opt. Valve	Relay-1		Relay-2	Relay-3		Relay-4	
Hold-Off	4.0 psi		5.5 or 4.0 psi	5.5 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#11**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

Opt. Valve	Relay-1		Relay-2	Relay-3		Relay-4	
Hold-Off	4.0 psi		5.5 or 4.0 psi	5.5 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#12**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15"x5" or More		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:
12 x 6
Tractor or Truck
2 Liftable or Non-Liftable Tag Axles
Tri-Drive

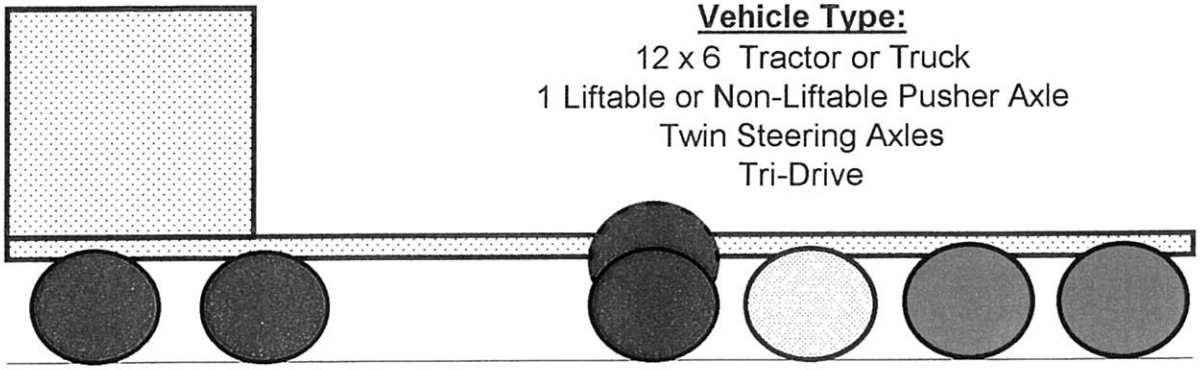


	Steering		Drive Axles			Tag Axle	
Opt. Valve	Relay-1		Relay-2	Relay-3		Relay-4	
Hold-Off	4.0 psi		4.0 psi	4.0 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#13**	No	No	Sensed	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #1		Any	Any

Opt. Valve	Relay-1		Relay-2	Relay-3		Relay-4	
Hold-Off	4.0 psi		4.0 psi	4.0 psi		4.0 psi	
Circuit	Secondary	**Configuration**	Prim or Sec	Primary		Secondary	
ABS Sensor	Sensed	**#14**	No	Sensed	No	No	No
Modulator	Modulated		No	Modulated	Modulated	No	No
Chamber	25" or More		Any	Any	Any	Any	Any
Brake	15" x 4"		Any	Any	Any	Any	Any
Suspension	Any		Any	For Suspension Group #2		Any	Any

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS



Vehicle Type:
12 x 6 Tractor or Truck
1 Liftable or Non-Liftable Pusher Axle
Twin Steering Axles
Tri-Drive

	Steering			Pusher	Drive Axles		
Std. Valve	Relay-1			Relay-2	Relay-2 or 3	Relay-4	
Hold-Off	5.5 psi			5.5 psi	5.5 psi	5.5 psi	
Circuit	Secondary		**Configuration**	Secondary	Prim or Sec	Primary	
ABS Sensor	Sensed	No	**#1**	No	No	No	Sensed
Modulator	Modulated	No		No	No	Modulated	Modulated
Chamber	Any	Any		Any	Any	Any	Any
Brake	15" x 4"	15" x 4"		Any	Any	Any	Any
Suspension	Any	Any		Any	Any	For Suspension Group #1	

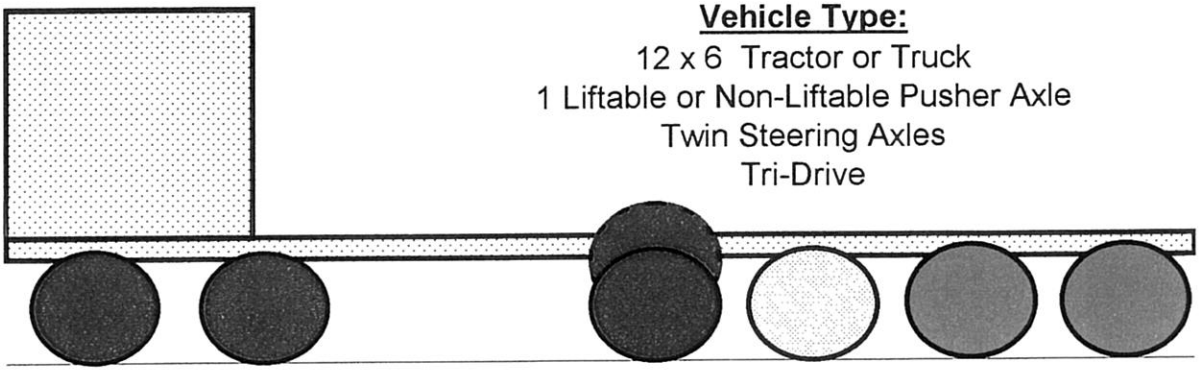
	Steering			Pusher	Drive Axles		
Std. Valve	Relay-1			Relay-2	Relay-2 or 3	Relay-4	
Hold-Off	5.5 psi			5.5 psi	5.5 psi	5.5 psi	
Circuit	Secondary		**Configuration**	Secondary	Prim or Sec	Primary	
ABS Sensor	Sensed	No	**#2**	No	No	Sensed	No
Modulator	Modulated	No		No	No	Modulated	Modulated
Chamber	Any	Any		Any	Any	Any	Any
Brake	15" x 4"	15" x 4"		Any	Any	Any	Any
Suspension	Any	Any		Any	Any	For Suspension Group #2	

	Steering			Pusher	Drive Axles		
Std. Valve	Relay-1			Relay-2	Relay-2 or 3	Relay-4	
Hold-Off	4.0 psi			4.0 psi	5.5 or 4.0 psi	5.5 psi	
Circuit	Secondary		**Configuration**	Secondary	Prim or Sec	Primary	
ABS Sensor	Sensed	No	**#3**	No	No	No	Sensed
Modulator	Modulated	No		No	No	Modulated	Modulated
Chamber	Any	Any		Any	Any	Any	Any
Brake	15x5 or More	15x5 or More		Any	Any	Any	Any
Suspension	Any	Any		Any	Any	For Suspension Group #1	

	Steering			Pusher	Drive Axles		
Std. Valve	Relay-1			Relay-2	Relay-2 or 3	Relay-4	
Hold-Off	4.0 psi			4.0 psi	5.5 or 4.0 psi	5.5 psi	
Circuit	Secondary		**Configuration**	Secondary	Prim or Sec	Primary	
ABS Sensor	Sensed	No	**#4**	No	No	Sensed	No
Modulator	Modulated	No		No	No	Modulated	Modulated
Chamber	Any	Any		Any	Any	Any	Any
Brake	15x5 or More	15x5 or More		Any	Any	Any	Any
Suspension	Any	Any		Any	Any	For Suspension Group #2	

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS



Vehicle Type:
12 x 6 Tractor or Truck
1 Liftable or Non-Liftable Pusher Axle
Twin Steering Axles
Tri-Drive

	Steering			Pusher	Drive Axles		
Opt. Valve Hold-Off Circuit	Relay-1 4.0 psi Secondary		**Configuration**	Relay-2 4.0 psi Secondary	Relay-2 or 3 4.0 psi Prim or Sec	Relay-4 4.0 psi Primary	
ABS Sensor	Sensed	No	**#5**	No	No	No	Sensed
Modulator	Modulated	No		No	No	Modulated	Modulated
Chamber	Any	Any		Any	Any	Any	Any
Brake	15" x 4"	15" x 4"		Any	Any	Any	Any
Suspension	Any	Any		Any	Any	For Suspension Group #1	

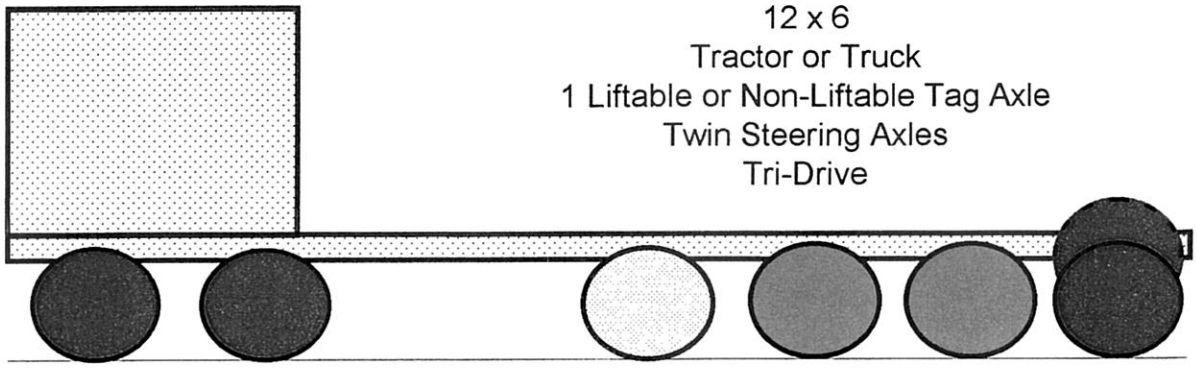
	Steering			Pusher	Drive Axles		
Opt. Valve Hold-Off Circuit	Relay-1 4.0 psi Secondary		**Configuration**	Relay-2 4.0 psi Secondary	Relay-2 or 3 4.0 psi Prim or Sec	Relay-4 4.0 psi Primary	
ABS Sensor	Sensed	No	**#6**	No	No	Sensed	No
Modulator	Modulated	No		No	No	Modulated	Modulated
Chamber	Any	Any		Any	Any	Any	Any
Brake	15" x 4"	15" x 4"		Any	Any	Any	Any
Suspension	Any	Any		Any	Any	For Suspension Group #2	

Suspension Group #1: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group #2: F/L Spring, Reyco Tandem

Design Rules For Valves And ABS

Vehicle Type:

12 x 6
Tractor or Truck
1 Liftable or Non-Liftable Tag Axle
Twin Steering Axles
Tri-Drive



	Steering			Drive Axles			Tag Axle
Opt. Valve	Relay-1			Relay-2	Relay-3		Relay-4
Hold-Off	4.0 psi			4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary		**Configuration**	Prim or Sec	Primary		Secondary
ABS Sensor	Sensed	No	**#5**	No	No	Sensed	No
Modulator	Modulated	No		No	Modulated	Modulated	No
Chamber	Any	Any		Any	Any	Any	Any
Brake	15" x 4"	15" x 4"		Any	Any	Any	Any
Suspension	Any	Any		Any	For Suspension Group #1		Any

	Steering			Drive Axles			Tag Axle
Opt. Valve	Relay-1			Relay-2	Relay-3		Relay-4
Hold-Off	4.0 psi			4.0 psi	4.0 psi		4.0 psi
Circuit	Secondary		**Configuration**	Prim or Sec	Primary		Secondary
ABS Sensor	Sensed	No	**#6**	No	Sensed	No	No
Modulator	Modulated	No		No	Modulated	Modulated	No
Chamber	Any	Any		Any	Any	Any	Any
Brake	15" x 4"	15" x 4"		Any	Any	Any	Any
Suspension	Any	Any		Any	For Suspension Group #2		Any

Suspension Group **#1**: FAS-1, Airliner, Neway, Hendrickson, Chalmers
Suspension Group **#2**: F/L Spring, Reyco Tandem