

AXLE PAD AUTOWEIGHING SCALE



System Components



Aurora 45SL display

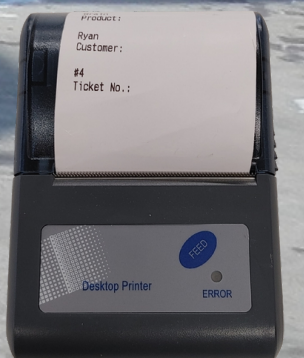


M1 Indicator



Axle pad decks

Serial Printer



Axle Pad Specification and Features

- Available size: 7ft/84" ,12ft/144", 14ft/168"
 - 7ft - accommodate tandem axle
 - 12ft - accommodate regular tridem axle group
 - 14ft - accommodate super B tridem axle group
- Available capacity: 60K lbs (7 ft) and 80K lbs (12ft and 14ft)
- Accuracy: 0.25% FS on axle weight and
 - 1% FS or better on gross vehicle weight
- Operating temperature range: -40°C to 80°C
- Compensated temperature range: -10°C to 40°C
- AC Powered 100-240 VAC 50/60 Hz
- Graduation size: 20 lbs
- Dimension: 84" (L) x 30" (W) x 6" (H)
 - 144" (L) x 30" (W) x 6" (H)
 - 168" (L) x 30" (W) x 6" (H)
- Protection: IP 67
- Warranty: 10yrs on the axle pad decks
 - 5 yrs on load cells
 - 2 yrs on indicator and remote display
 - 1 yr on printer
- Ground surface requirement: Concrete, Asphalt, Compacted gravel
- Option: ramps
- Cost effective non-legal for trade to weighbridge
- Auto weighing mode/Fully automatic (no operator required)
- Auto printout at end of weighing
- Traffic light guide
- Made from Canadian/US high strength steel
- Rugged design for long service life
- 6" low profile
- Fully calibrated to traceable weights
- Forklift portable for use in multiple location

M1 Indicator Specification and Features

- Supply power to the axle pad scale load cells
- 6 Digits 7/8" LED display
- 5 user keys: Menu, Gr/Net, Tare, Zero, Print
- 100-240 VAC 50/60 Hz
- 2 full duplex RS-232 serial port
- Operating temperature range: -10°C to 40°C
- NTEP approved
- Enclosure: 304 Stainless Steel with bracket
- Tough, dependable and weather resistant
- Dimension: 9" x 5.5" x 3" w/ bracket

Aurora 45SL display Specification and Features

- 6 Digits 4.5" LED lamps
- 5" RED/GREEN Traffic light
- Visible up to 250ft
- 100-240 VAC 50/60 Hz
- Communications: RS-232, RS-422, RS-485
- Operating temperature range: -40°C to 50°C
- NTEP approved
- Enclosure: Mild steel with powder coated finish
- Tough, dependable and weather resistant
- Dimension: 32" x 12" x 5"

Serial Printer Specification and Features

- Thermal printer
- 57 mm paper
- Communication: RS-232 serial
- Operating Temperature: 0°C to 50°C
- Status indicator: Error LED
- 12Vdc power adapter 100-240VAC 50/60 Hz

Weighing process

1. Traffic light is green and 0 readout on Aurora 45SL display.
2. Truck driver drive 1st axle on the scale.
3. Traffic light turn red.
4. M1 captures weight. Aurora 45 SL display A1.
5. Traffic light turns green.
6. Truck driver drive next axle or group of axle on the scale.
7. Repeat 3 to 5.
8. After the last axle, truck driver drive off axle on the scale.
9. Traffic light turns red. Display total axle weight.
10. Traffic light turns green. Ready for next truck.

In-ground installation



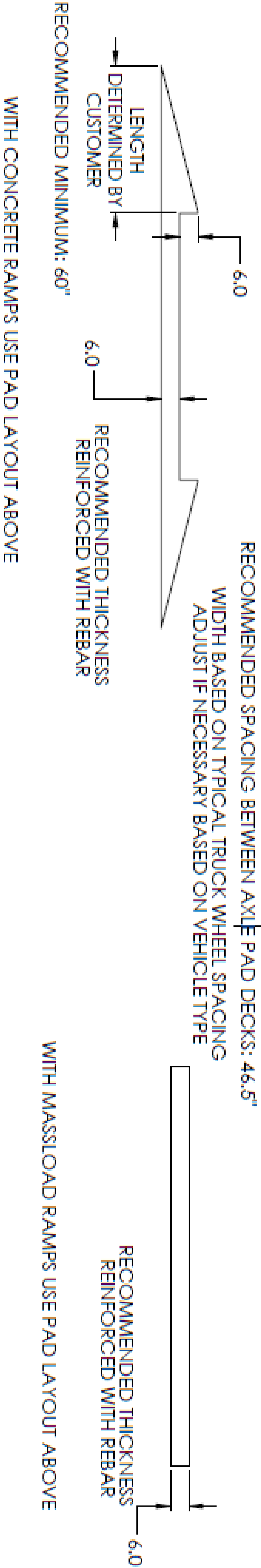
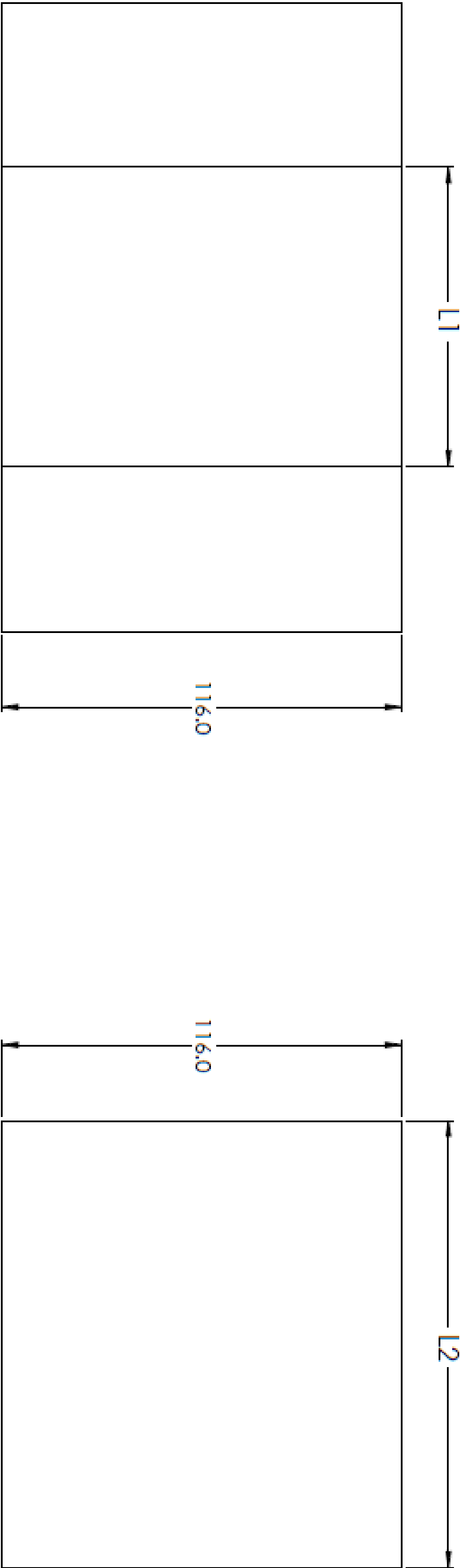
Above ground installation



Recommended Concrete Pad Dimension

MODEL	L1	L2
7'	88"	130"
12'	150"	194"
14'	172"	216"
14' Legacy	174"	218"

ABOVE GROUND INSTALLATION

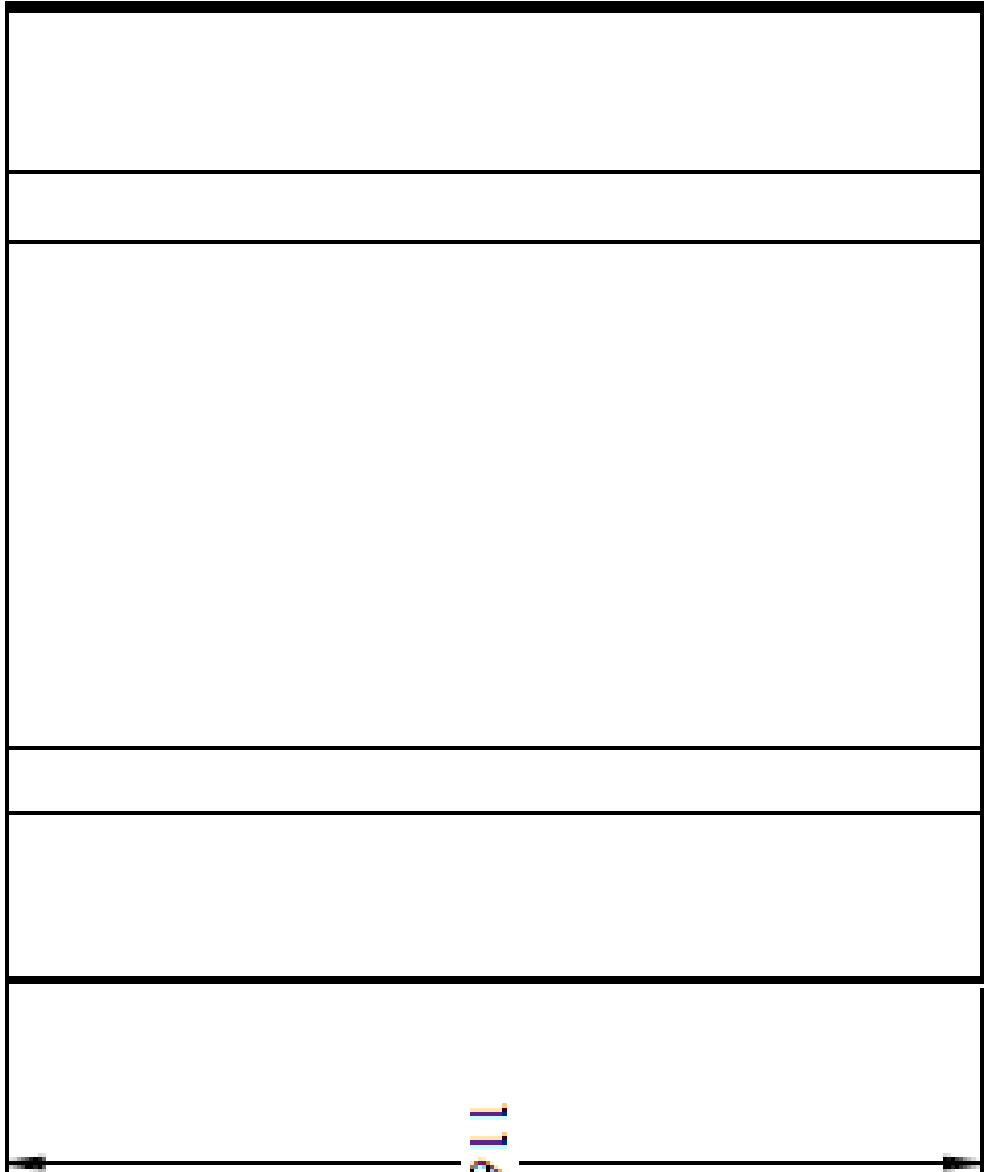


NOTES:

1. MASSLOAD ACCEPTS NO RESPONSIBILITY FOR THE SUITABILITY OF THE FOUNDATION. EACH INSTALLATION MUST TAKE LOCAL CONTITIONS INTO CONSIDERSATION
2. FOUNDATION DRAWING PROVIDED FOR THE PURPOSE OF INDICATING AXLE PAD SCALE DIMENSIONS ONLY.

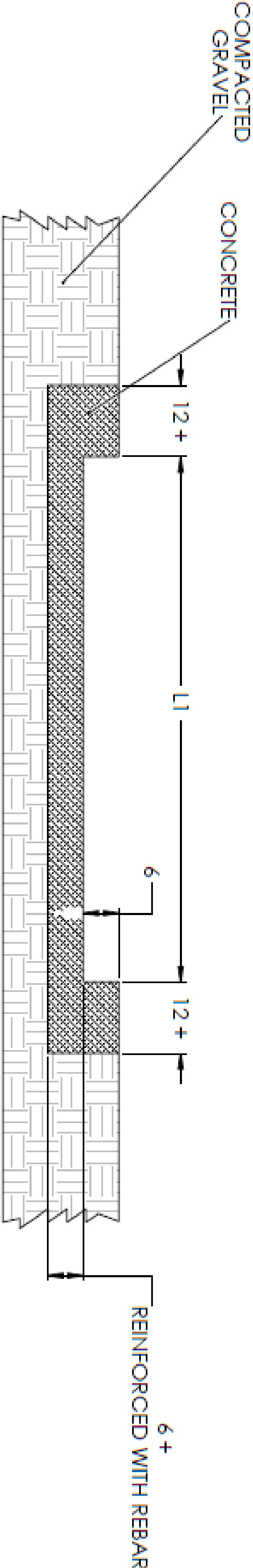
MODEL	L1	L2
7'	88"	130"
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IN-GROUND INSTALLATION



WIDTH BASED ON TYPICAL TRUCK WHEEL SPACING
ADJUST IF NECESSARY BASED ON VEHICLE TYPE
116.0 RECOMMENDED SPACING BETWEEN AXLE PAD DECKS: 46.5"

OPTIONAL:
EXTEND CONCRETE
APPROACH AND
DEPARTURE TO 56"
TO SUPPORT
SECOND AXLE



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Applications

Check Weighing



Incoming and yield product monitoring



Filing process load & unload monitoring

