

SPECIFICATIONS FOR BODY, UTILITY, 1/2 -1 1/2 TON

SCDOT Spec. No. B107.15 - 07/06/06

DESCRIPTION: The utility bodies shall be all-steel, low-profile, medium and heavy-duty units designed and constructed for highway maintenance applications over a very long life-cycle (10 + years). Eight sizes of body are covered in this specification.

CAPACITY: Eight sizes, measured in nominal truck size: 1/2-ton, 3/4-ton, 1-ton (56" CA), and 1-ton (60" CA) SRW, 1-ton (60" CA) DRW, 1-ton (84" CA), 1 1/2-ton (60" CA), and 1 1/2 ton (84" CA).

DIMENSIONS: Length, width, and other dimensional and structural features shall meet the minimum requirements in the bidding schedule.

CONSTRUCTION: The body shall be a minimum A40 all galvanized or galvaneal steel construction, minimum 14 gauge, adequately reinforced, with welded seams. Bolt together bodies are not acceptable. The body shall have a minimum of three (3) compartments on each side, with weather-tight hinged doors and full perimeter automotive type weather strip or seal with no interruption for door latch. **Doors shall be double panel, 20 gauge (minimum) galvanized or galvaneal steel hat section reinforced doors.** Doors shall be equipped with full length hinges or concealed hinges, recessed stainless steel handles, and integral key operated locks, keyed alike. Two keys shall be furnished with each unit. Vertical doors shall be equipped with retaining springs and horizontal doors chains and rubber stops. The floor shall be of diamond tread plate steel, minimum 12 gauge. A pick-up truck style slam type steel tailgate shall be provided, with center latching mechanism and positive horizontal support mechanism. Sheet steel used in the body shall be cold-rolled automotive type or high tensile steel. The wheel housing shall be integrally constructed and watertight.

Minimum compartment features shall provide for the following:

<u>Compartment</u>	<u>Street Side</u>	<u>Curb Side</u>
Front vertical	2 shelves-3 dividers ea.	2 shelves-3 dividers ea.
2 nd Front vertical (if applicable)	2 shelves – 3 dividers ea.	2 shelves – 3 dividers ea.
Center horizontal	1 shelf- 6 dividers	1 shelf - 6 dividers
Rear vertical	1 shelf - 3 dividers	3 material hooks

All shelving shall be fully adjustable in all locations. Shelving shall be 250 # rated capacity for each shelf. Additional construction features shall include openings for flush-mounted lights, drip rails at top of compartments, and dual chains for horizontal compartments.

Construction shall provide clearance for both single and dual tank arrangements on the 1-ton and 1 1/2-ton truck cab-chassis.

A complete lighting package shall be furnished with lights, reflectors and wiring harness to meet South Carolina motor vehicle laws, as well as FMVSS and DOT requirements. Mounting locations (recessed) shall be pre-punched and drilled. Lights shall be the shock-mounting type and recessed in rubber grommets. All wiring shall be in plastic loom. Lights shall be the shock-mounting type. A plug-in wiring adapter shall be furnished to fit Ford, Chevrolet, GMC, or Dodge cab-chassis trucks.

EQUIPMENT: The unit shall be complete with all standard equipment and accessories normally furnished. In addition, equipment shall be furnished as follows:

1. The unit shall meet all applicable OSHA requirements.

2. Slam type tailgate.
3. Rear bumper, heavy-duty, channel type (min. 6") with safety tread step surface, and pintle hook recess.
4. Lighting package with lights, reflectors and wiring to meet DOT/FMVSS regulations and South Carolina motor vehicle laws.
5. All necessary mounting materials and hardware. Mounting shall not require welding on truck frames.
6. The underside of the body shall be undercoated with petroleum based undercoating. Finish paint or primer is not considered undercoating.
7. One (1) copy of mounting instructions per body and complete installation kit.
8. Round GM style fuel filler cup to be provided with each unit.

EQUIPMENT/SERVICES OPTIONAL: When requested during the contract term, the following optional equipment and/or services shall be provided.

1. Utility body and associated hardware installations as may be required during the contract term.
2. Primed utility body instead of painted.
3. Body optional equipment additions, deletions and/or substitutions of equipment as may be required by this specification, based on terms found under special conditions of the bid invitation.

COLOR: Units purchased by SCDOT shall be painted or powder coated gloss white closely matching paint code of the vehicle and acceptable by the Department. Paint or powder coat to be minimum 2.5 mils thickness. Paint shall be urethane enamel. The unit shall be cleaned and primed prior to application of the finish paint. Primer not required for powder coating application. Serial and data plates shall be protected from being painted over. Complete body shall be undercoated with petroleum-based undercoating. Paint shall be warranted for 2 years from peeling, fading, cracking, or rust.

Add Options:

1. Installation of body and hoist systems
2. Full height body in lieu of low profile
3. Flip lid body in lieu of low profile
4. Ball hitch bumper, 5,000 lb. capacity
5. Interior compartment lights with installation
6. Kelvar spray in bed liner in cargo area
7. Ladder bow set
8. Cab over deluxe ladder / pipe / material rack
9. Body painted or powder coated AT THE MANUFACTURER

Deduct Options:

1. Body primed only AT THE MANUFACTURER