

# APPENDIX A

Item No.	Specifications	Specify	Deviation (Attach extra sheet if necessary)
<b>1</b>	<b>BASIC REQUIREMENTS</b>		
1.1	Single person operated side loader refuse packer/body suitable for mounting to 19,000 lb. (8600 kg) minimum GVWR cab and chassis.		
1.2	The unit must have an established performance record for the application described that includes the severest of cold climate conditions to -40° F (-40° C) and warm climate conditions to +104° F (+40° C).		
<b>2</b>	<b>BODY &amp; HOPPER CAPACITIES</b>		
2.1	<ul style="list-style-type: none"> <li>- 15.3 cubic yard (11.7 cu m) total body capacity</li> <li>- 1 cubic yard (0.76 cubic meter) hopper (minimum)</li> <li>- 1000 lb (450 kg) capacity hopper (minimum)</li> </ul>		
<b>3</b>	<b>PERFORMANCE REQUIREMENTS</b>		
3.1	Bucket shall compress materials against the body sidewall which shall be fully lined with 3/4" (19 mm) plywood.		
3.2	Packer hopper to have a compaction force of 3,000 ft lbs (4070 Nm) minimum at the "tooth point" with a 15 second cycle time at 1200 engine RPM.		
<b>4</b>	<b>DIMENSIONS</b>		
4.1	<ul style="list-style-type: none"> <li>- Length, body only – 147" (3730 mm)</li> <li>- Width, with bucket raised – 97" (2465 mm)</li> <li>- Width, with bucket lowered - 132" (3350 mm)</li> <li>- Height, body only – 84" (2130 mm)</li> <li>- Height, mounted on truck – 114" (2895 mm) to 120" (3050 mm)</li> <li>- Height, tailgate fully open – 152" (3860 mm) to 158" (4015 mm)</li> <li>- Height, dumping – 154" (3910 mm) to 160" (4065 mm)</li> </ul>		
4.2	Loading height above frame – 2" (50 mm)		
<b>5</b>	<b>WEIGHT</b>		
5.1	Mounted weight of body approx. 4600 lbs (2085 kg).		

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<b>6</b>	<b>BODY DETAILS</b>		
6.1	Steel construction with the following gauges: - Body - 14 ga (1.9 mm) - Floor - 10 ga (3.4 mm) - Side Panel - 14 ga (1.9 mm) - Frame - 10 ga (3.4 mm) HSS Tubing		
6.2	Panels to have sufficient reinforcement to prevent any misalignment or distortion due to load.		
6.3	Hoist tipping sill to be structural tubing.		
6.4	Hoist safety support designed to hold empty packer unit in a raised position independent of the hoist cylinder.		
6.5	Side loading type hopper - Length – 100” (2540 mm) - Width – 38” (970 mm)		
6.6	Hopper to be lined with polyurethane liner.		
6.7	Hopper action to utilize a direct-coupled, double acting hydraulic cylinder.		
6.8	Variable opening safety latches required to secure hopper in the open position for loading.		
6.9	Rear tailgate to be top hinged, hydraulically operated bubble type of 14 ga (1.9 mm) construction. Reinforced to withstand all operating forces. Door to open full width and height for ease of dumping.		
6.10	Positive latches required at rear tailgate to secure “closed position”.		
6.11	Finish on body: <b>a)</b> All components are cleaned, degreased and phosphate etched in a submersible chemical bath. <b>b)</b> Powder coat primer prior to assembly. <b>c)</b> Final paint - (2) coats urethane single stage paint. <b>d)</b> Packer body colour to be non-metallic.		

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<b>7</b>	<b>LIGHTS / ELECTRICAL</b>		
7.1	Light and Buzzer to indicate the Loading Hopper in the open position.		
7.2	Lighting - shock-proof, sealed lamp system with Weather Pak connectors between chassis and body.		
7.3	LED Clearance / marker lamps - Grote red #47122 and Grote amber #47123.		
7.4	LED 4" Amber Flashing lamps - Grote #53413.		
7.5	One flood light equipped with protective guard, to illuminate hopper and immediate surrounds of vehicle.		
7.6	Heated side mirrors		
7.7	Safety Kit - Back-up Alarm and Conspicuity Tape		
<b>8</b>	<b>HYDRAULIC SYSTEM</b>		
8.1	Hydraulic system powered by automatic transmission power take-off. State details of equipment offered.		
8.2	Control valve to be electric over proportional hydraulic.		
8.3	Hydraulic system to include open centre control valve, pressure relief valve, 10 micron return line filter and Parker type, steel braid, hydraulic hoses and fittings. Hydraulic system to operate at 2400 PSI (124 Bars).		
8.4	Hydraulic reservoir to be positioned for an unrestricted fluid flow to inlet side of hydraulic pump. Reservoir to be 10 US gallon (36 L) capacity with adequate baffles and drain.		
8.5	Hydraulic system to be interlocked with engine throttle to meet hydraulic system demand.		
8.6	Hopper, rear tailgate and hoist controls located outside truck cab on the bucket side front of packer. Control configuration to avoid compromise of operator safety.		
8.7	Hoist to utilize double acting cylinder capable of lifting a rated load of 5 ton (4.5 tonne) to a min. dump angle of 45°.		
8.8	Rear door to be operated with two double acting hydraulic cylinders.		
8.9	Hydraulic systems hour meter		

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<b>9</b>	<b>INSTALLATION</b>		
9.1	Installation to 19,000 lb (8600 kg) min. GVWR chassis.		
9.2	Installation to include two extra suspension leaves on hopper side of unit only.		
9.3	Steps for truck cab - enter/exit		
9.4	Engine hour meter to be included.		
9.6	Conspicuity Tape to be included.		
9.7	Rear Wheels to have fenders		
<b>10</b>	<b>CHASSIS/CAB/ENGINE</b>		
10.1	Engine - Automatic / Minimum 350 HP/ Diesel Fuel		
10.2	Heated, electric side-mirrors / AC / AM-FM Radio		
10.3	Cab & Chassis - Min. GVRW - 19,000 (8600 kg) and suitable for mounting refuse side loader		
10.4	Tires - All-Weather <u>and</u> Non-Studded Winters (snowflake)		
<b>11</b>	<b>WARRANTY and PRODUCT SUPPORT</b>		
11.1	The unit shall be covered by warranty by the supplier and/or manufacturers for a minimum period of 12 months.		
11.2	The warranty coverage shall include all parts and labour necessary to correct all defects of materials, workmanship, premature failure or design deficiencies identified during the warranty periods.		
11.3	The bidder shall clearly define the procedure to be followed for repairs under warranty, including the identity and location of warranty agents.		
11.4	<b>SPARE PARTS AND SERVICE</b> Detail nearest location of service and spare parts facility.		

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<b>12</b>	<b>DUAL STEERING / CONTROLS</b>		
12.1	Right-Hand steering 1:1 ratio with Left-Hand.		
12.2	Right-Hand steering wheel connected through gear box and cross shaft to Left-Hand.		
12.3	Right-Hand brake pedal to mechanically activate Left-Hand brake pedal.		
12.4	Right-Hand throttle to mechanically activate LH throttle.		
12.5	Shifter to be centered in cab & accessible from both sides.		
12.6	Right-Hand controls to include horn button and windshield wiper/washer control.		
12.7	Lever brake lock to be mounted to shifter pedestal.		
12.8	Fender-mounted convex mirrors - mini-fang or equivalent.		
12.9	Right-Hand step with non-slip surface.		
<b>13</b>	<b>PRODUCT BACKGROUND</b>		
13.1	Product background - the bidder shall advise: Names of other users of the equipment with one or more units in service for three or more years in a comparable application / climate / condition.		
13.2	The length of time the unit has been sold.		
13.3	Length of time the unit has been serviced by the bidder.		