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<u>AGREEMENT</u>

THIS AGREEMENT is made and entered, in duplicate, as of August 1, 2006 for reference purposes only, pursuant to Resolution No. RES-06-0076 adopted by the City Council of the City of Long Beach at its meeting on August 1, 2006, by and between MCNEILUS TRUCK AND MANUFACTURING, INC. ("Contractor"), a Minnesota corporation, located at 401 North Pepper, Colton, California 92324-1588 and the CITY OF LONG BEACH ("City"), a municipal corporation.

WHEREAS, Section 1802 of the Long Beach City Charter permits the City to make purchases under the purchasing contracts of other governmental agencies when authorized to do so by a resolution; and

WHEREAS, the City desires to purchase three 20-yard rear loaders and six 28-yard automated side loaders; and

WHEREAS, the Long Beach Unified School District (the "District") has a contract for the purchase of these vehicles, Purchase Order No. P928189 ("District Purchase Order"); and

WHEREAS, Resolution No. RES-06-0076 authorizes the City Purchasing Agent to purchase this equipment from Contractor by virtue of the District Purchase Order;

NOW, THEREFORE, in consideration of the terms and conditions contained in this Agreement, the parties agree as follows:

- The District Purchase Order with Contractor is incorporated by this reference as if fully set forth, and the same terms and conditions contained in the District Purchase Order shall be applicable here except as follows:
- a. Wherever the District Purchase Order refers to the District, it shall be deemed to refer to the City of Long Beach;
- b. Contractor shall sell, furnish and deliver to the City equipment of substantially the same type and kind purchased by the Long Beach Unified School District and on the same terms and conditions offered to the Long Beach Unified School District, except as modified by Exhibit "A" attached to and incorporated in this Agreement, for an

Robert E. Shannon City Attorney of Long Beach 333 West Ocean Boulevard ong Beach, California 90802-466 Telephone (562) 570-2200 1

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amount not to exceed \$2,059,257 plus tax plus a 10% contingency. To the extent that the District Purchase Order and this Agreement are inconsistent, the following priority shall govern: (1) this Agreement and (2) the District Purchase Order.

- c. Payment for the equipment purchased from Contractor by City shall be made by the City on delivery to and acceptance of the equipment by the City and submittal of an invoice to the City. Payment is due thirty (30) days after the date of the invoice.
  - d. All warranties shall accrue to the City of Long Beach.
- e. The parties may, by mutual agreement, amend this Agreement with the approval of the City's City Council.
- 2. Neither this Agreement nor any money that becomes due to Contractor under this Agreement may be assigned by Contractor without the prior written consent of the City manager or his designee.
- 3. Any notice given under this Agreement shall be in writing and personally delivered or deposited in the U.S. Postal Service, return receipt, and shall be delivered or mailed to Contractor at the relevant address first stated above, and to the City at 333 West Ocean Boulevard, Long Beach, California 90802 Attn: City Manager. Notice shall be deemed given three days after deposit in the mail.
- 4. The terms appearing on the back of District's Purchase Order are incornorated in this Agreement Contractor is called "Vendor" in the District's Purchase

costs and expenses, including reasonable attorney's fees.

IN WITNESS WHEREOF, the parties have caused this document to be duly all formalities required by law as of the date first stated above

executed with all formalities required by	law as of the date first stated above.
	MCNEILUS TRUCK AND MANUFACTURING, INC., a Minnesota corporation
<u>August 17</u> , 2006	By Michael Likest
4	(Type on Print Name)
<u>August 17</u> , 2006	By Qoonn d. Scherger Secretary.
	(Type or Print Name)
	"Contractor"
	CITY OF LONG BEACH, a municipal corporation
Aug 25, 2006	By Maras Ry Julian  City Manager
0	"City"
This Agreement is approve	d as to form on 8/22 . 2006.

ROBERT E. SHANNON, City Attorney

Senior Deputy

DFG:bg 8/10/06(CON\_McNeilusTruck)06-03162 L:\APPS\CtyLaw32\WPDOCS\D009\P005\00092755.WPD

# EXHIBIT "A"

**Quote No: 21456** 

To: City of Long Beach 2600 Temple Avenue Long Beach, CA 90806

Attn: John Seevers Date: April 17, 2006

McNeilus Companies is pleased to present you with the following quotation:

### McNEILUS 28 YARD STREET FORCE AUTOMATED SIDE LOADER

### **BODY SPECIFICATIONS**

Body Floor: 10 Gauge AR200Body Roof: 10 Gauge AR200

• Body Side Walls, First Section Street Side: 1/8" AR500

- Body Side Walls, All Other Sections: 10 Gauge AR200
- Body Longitudinal: 10 Gauge GRD 50 high strength Steel (formed channel) w/1/4" Doubler Plates at Hinge and lift stress points
- Front Body Longitudinal: 3/8" A500 GRD B Tubing
- Bolt On Fender: 14 Gauge A569 Formed Steel
- Hopper Transition to Main Body, ¼" AR400 Liner

### HOPPER SPECIFICATIONS

- Hopper Sides, Lower Left Side and Right Side: 3/16" AR400
- Hopper Side, Upper Left: 10 Gauge GRD 50 high strength Steel
- Hopper Floor Wear Area: 1/4" AR400, Plus 1/4" AR400 Liner
- Hopper Assist Panel: 3/16" AR200
- Hopper Ribs: 10 Gauge GRD 50 high strength Steel
- Floor Support: 1/8" A500 GRD B Tubing, 10 Gauge GRD 50 Formed Steel

### ARM SPECIFICATIONS

- Inner Arm: 5" x 7" x 1/4" Tubing
- Outer Arm: ¼" GRD 50 high strength Steel Web, ½" GRD 50 high strength Steel Outer Plate
- Lifter Link Arm: 3/4" GRD 50 high strength Steel welded structure
- Arm Mounting Bracket: 1/2" GRD 50 high strength Steel (bolted to chassis)
- Grabber: 2-piece bolt on welded structure—Inner Section 3/8" x 1/4" GRD 50 high strength steel, Outer Section 3/8" T-1

### TAILGATE SPECIFICATIONS

- Side and Rear Walls: 1/8" AR500
- Post and Bolsters (Header and Footer): 10 Gauge A607 GRD 50 high strength Steel

### PACKER SPECIFICATIONS

- Packing Face: ¼" AR200
- Sides: 1/4" A572 GRD 50 high strength Steel
- Follower Panels (2 sections): 10 Gauge A569 GRD 50 high strength Steel
- Support Frame: 3/16" A500 CDD R Tubing

PRICE: \$238,410.00 Price does not include FET See Attached Body Specs

### Options Included in Price:

- 1 Hopper Work Light
- Arm Work Light
- Cameras, Dual Intec MCN-2N
- Decais- "Frequent Stops" and "Backup"
- Body Paint Blue FLNA 50396
- Drip Pan Under Bumper
- Plastic Spillshield on Arm
- Pall Return Line Filter
- Auto Load
- Filter Bypass Monitor in Cab
- AVL System
- SI Axle Scales 3 Point Installed in CA
- Mudflaps (Front of Tandem)
- Packer Assist Panel Lightweight
- Roadway Sign Brackets Only
- 17 Gallon Spill Kit
- Peterson Smartlight System
- Plastic Shovel
- Outside Controls
- 3 Year Packer Warranty
- Cummins 5 Year 150,000 Mile Warranty
- Allison 5 Year Warranty

Prepared for: Prepared for:
Barry Torgerson
McNeilus Companies
401 North Pepper
PO Box 1588
Colton, CA 92324
Phone: 909-370-2100
Cell: 909-374-2876

E-Mail:

btorgerson@mcneilus∞.com

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108

E-Mail:

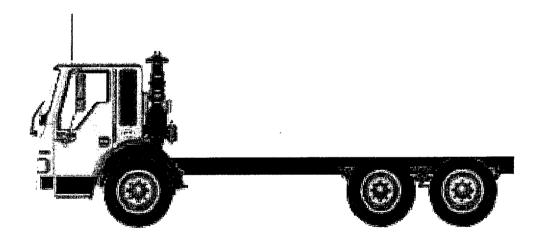
RCreighton@lafreightliner.com

## A proposal for McNeilus Companies

## Prepared by LOS ANGELES FREIGHTLINER - WESTERN STAR Ron Creighton

April 11, 2006

### **CONDOR LOW CAB FORWARD CHASSIS**



Application Version 5.2.203 Data Version PRL-42E.001 City of Long Beach ASL 3-27-06



04/11/2006 10:06 PM

Prepared for:
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SPECIFICATION PROPOSAL

Weight Rear Weight Front Description

Prepared for: Barry Torgerson McNeilus Companies 401 North Pepper PO Box 1588 Colton, CA 92324 Phone: 909-370-2100 Cell: 909-374-2876 E-Mail: btorgerson@mcneilusco.com

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108

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Weight Weight Rear Description Front

**Engine** CUM C 8.3G+ 280 HP @ 2400 RPM ELEC N-GAS850 LB/FT @ 1400 RPM Engine Equipment 2004 EPA/CARB EMISSION CERTIFICATION ENGINE MOUNTED OIL CHECK AND FILL ONE PIECE VALVE COVER VERTICAL SNORKEL AND DONALDSON HIGH CAPACITY AIR CLEANER MOUNTED HORIZONTALLY BACK OF CAB STATIONARY VERTICAL AIR INTAKE SNORKEL, LOCATED RH SIDE OUTBOARD 15 DONALDSON ONE-STAGE AIR CLEANER WITH SY-KLONE SERIES 9000 PRECLEANER AIR INTAKE PIPING - CLEANER TO ENGINE PLAIN BONNET AIR INTAKE HOOD/CAP LN 12V 200 AMP 4863 ALTERNATOR WITH AC TAPS (3) ALLIANCE 1231 GROUP 31 12V MF 3300 CCA 30 30 THREADED STUD BATTERIES ALUM BATT BOX FRAME MTD RH, SHORT SIDE TO RAIL

Prepared for: Barry Torgerson McNeilus Companies 401 North Pepper PO Box 1588 Colton, CA 92324 Phone: 909-370-2100 Cell: 909-374-2876 E-Mail:

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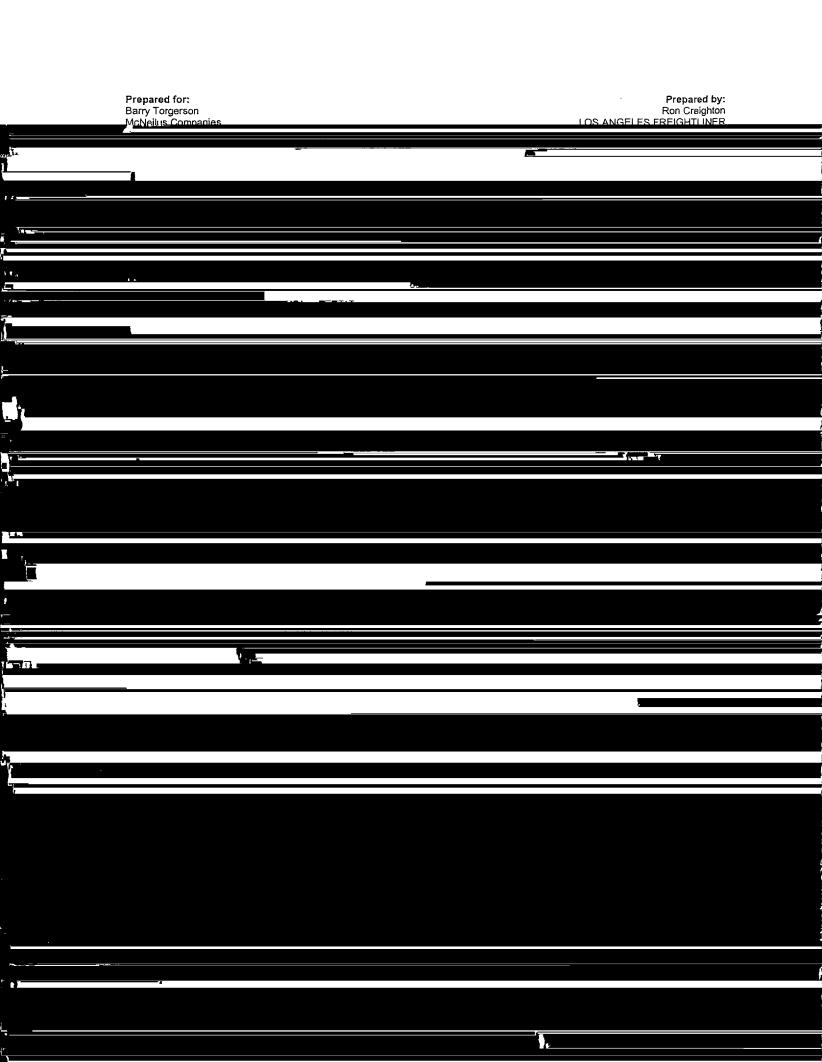
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		18/-:b4	\41_1	.1
	Description	Weight Front	Weigh Rear	IL
	FLEXIBLE STAINLESS STEEL EXHAUST PIPING			<u> </u>
	STANDARD EXHAUST SYSTEM LENGTH			
	SINGLE VERTICAL MUFFLER			
*	STAINLESS STEEL MUFFLER INLET ELBOW(S) WITH CHROME STACK(S)			
	VERTICAL TAILPIPE, LH			
	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD			
	CHROME EXHAUST RAIN CAP	·		
	HORTON DRIVEMASTER ON/OFF FAN DRIVE			
	AUTOMATIC FAN CONTROL-WITHOUT DASH SWITCH			
*	CUMMINS SUPPLIED FLEETGUARD COALESCING FILTER (LOW PRESSURE) CNG			
*	FLEETGUARD LF-3000 COMBINATION FULL FLOW/BYPASS OIL FILTER - ENGINE MOUNTED			
*	FLEETGUARD COOLANT FILTER, PLAIN			
	1164 SQUARE INCH COPPER/BRASS RADIATOR			
	REMOTE MOUNTED SURGE TANK			
	ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE- CHARGED SCA HEAVY DUTY COOLANT			
	GATES BLUE STRIPE COOLANT HOSES			
	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			
	HEAVY DUTY CHARGE AIR COOLER			
	HEAVY-DUTY RADIATOR MOUNTING			
	RADIATOR DRAINCOCK			
*	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION			
	ALUMINUM FLYWHEEL HOUSING			
*	NO AIR INTAKE WARMER			
*	DELCO 12V 37MT STARTER; SEALED MOTOR AND SOLENOID			
	FLYWHEEL HOUSING REAR ENGINE SUPPORT			
Transmission			i gi	
	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	240		70
Transmission Equ	ipment ( ) The State Process (PACKAGE 443)		2.2	

WTEC CALIBRATION - 5 SPEED RDS (PACKAGE 142) VEHICLE INTERFACE WIRING FOR REFUSE BODY BUILDER CONNECTOR, BACK OF CAB





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Description	Weight Front	Weight Rear
INTERAXLE AND/OR DIFFERENTIAL LOCKOUT WITH INDICATOR LIGHT		
CASTROL TRANSYND SYNTHETIC AUTOMATIC TRANSMISSION OIL AND MOBIL SYNTHETIC 75W- 90W ALL AXLES		
MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		120
REFUSE SEVERE SERVICE, NON-ASBESTOS REAR LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
GUNITE CAST IRON REAR BRAKE DRUMS		
CHICAGO RAWHIDE SCOTSEAL REAR OIL SEALS		
* MGM TR-T LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
Rear Suspension		11 20 20 20 20 20 20 20 20 20 20 20 20 20
TUFTRAC 40,000# REAR SPRING SUSPENSION		
TUFTRAC LOW RIDE HEIGHT		
AXLE CLAMPING GROUP		·
54" AXLE SPACING		
FORE/AFT AND TRANSVERSE CONTROL RODS		
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)		
Brake System		
WABCO 4S/4M ABS WITHOUT TRACTION CONTROL ENHANCEMENT		
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
FIBER BRAID HOSE FRONT SERVICE BRAKE		
FIBER BRAID HOSE REAR SERVICE BRAKE		
FIBER BRAID PARKING BRAKE HOSE		

Trailer Connections



BENDIX BRAKE VALVES WHERE POSSIBLE

RELAY VALVE WITH 5-8 PSI CRACK PRESSURE NO

BW AD-9 BRAKE LINE AIR DRYER WITH HEATER

(1) 700 CU. IN. AUXILIARY AIR TANK, INLET CHECK

STD U.S. FRONT BRAKE VALVE

REAR PROPORTIONING VALVE

VÁLVE

ALUMINUM AIR BRAKE RESERVOIRS

PULL CABLES ON ALL AIR RESERVOIR(S)

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Description  AIR CONNECTIONS AND ANCHOR COUPLINGS TO FRONT OF FRAME FOR TOWNING PLUMBING FOR AUXILLARY AIR TANK WITH PROTECTED SUPPLY OMISSION OF STANDARD CABLE  Wheelbase & Frame  5725MM (225") WHEELBASE - 7/16" X 3-11/16" X 11-1/16" STEEL FRAME (11.11MM X 390 170 282.6MM/.43" X 11-13") 110KSI 1425MM (56") REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51" TO 60" -10 50 1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SOLUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD MIDSHIP #1 CROSSMEMBER STANDARD MIDSHIP #1 CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED BUMPER FAMILE RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH FAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  FIRE! TankS  NO RH FUEL TANK				
AIR CONNECTIONS AND ANCHOR COUPLINGS TO FRONT OF FRAME FOR TOWING PLUMBING FOR AUXILIARY AIR TANK WITH PROTECTED SUPPLY OMISSION OF STANDARD CABLE  Wheelbase & Fratte  5725MM (225") WHEELBASE 7116" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X 390 170 282.5MM (35" X 11.13") 110KSI 1425MM (56") REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51" TO 60" -10 50 1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER STANDARD MIDSHIP #1 CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAPS RACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED BUMPER MOUNTED LEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  FUEL TANKS		Description	•	
PROTECTED SUPPLY OMISSION OF STANDARD CABLE  Whiselbase & Frame  5725MM (225") WHEELBASE  776" X 3-11/16" X 11-1/18" STEEL FRAME (11.11MM X 390 170 282.5MM/ 437" X 11-1/3") 110KSI 1425MM (56") REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51" TO 60" -10 50 1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		AIR CONNECTIONS AND ANCHOR COUPLINGS TO	10	
Wheelbase & Frame  5725MM (225") WHEELBASE  . 7/16" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X 390 170 282.6MM.437" X 11.13")110KSI 1425MM (56") REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51" TO 60" -10 50 1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER + HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks				
**************************************		OMISSION OF STANDARD CABLE		
T/16" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X 282.6MM/ 437" X 11.13")110KSI  1425MM (56") REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51" TO 60"  1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED BUMDER SOL OF CAB ACCESS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks	Wheelbase & Fra	ime	1.7	
T/16" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X 282.6MM/ 437" X 11.13")110KSI  1425MM (56") REAR FRAME OVERHANG FRAME OVERHANG RANGE: 51" TO 60"  1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED BUMDER SOL OF CAB ACCESS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		5725MM (225") WHEELBASE		
FRAME OVERHANG RANGE: 51" TO 60"  1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD MIDSHIP #1 CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks	*	7/16" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X	390	170
1" BOLT-ON FRONT FRAME SPACER UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  ON LH OR RH BACK OF CAB ACCESS B" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  FUEL TankS		1425MM (56") REAR FRAME OVERHANG		
UNDERSLUNG CROSSMEMBER SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  FUEl TankS		FRAME OVERHANG RANGE: 51" TO 60"	-10	50
SQUARE END OF FRAME HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED DATE:  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  FUEL TANKS		1" BOLT-ON FRONT FRAME SPACER		
HEAVY DUTY FRONT CLOSING CROSSMEMBER STANDARD CROSSMEMBER BACK OF TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED  OLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		UNDERSLUNG CROSSMEMBER		
STANDARD CROSSMEMBER BACK OF TRANSMISSION  STANDARD MIDSHIP #1 CROSSMEMBER(S)  STANDARD REARMOST CROSSMEMBER  HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS  8" PAINTED STEEL BUMPER - HD 1/4"  FRONT TOW HOOKS - FRAME MOUNTED  BUMPER MOUNTING FOR SINGLE LICENSE PLATE  NO MUDFLAP BRACKETS  NO REAR MUDFLAP  FRONT ANTI-SPRAY FENDER MOUNTED  MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION  HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		SQUARE END OF FRAME		
TRANSMISSION STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REARMOST CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		HEAVY DUTY FRONT CLOSING CROSSMEMBER		
STANDARD REARMOST CROSSMEMBER  HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks				
HEAVY DUTY SUSPENSION CROSSMEMBER  Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS  8" PAINTED STEEL BUMPER - HD 1/4"  FRONT TOW HOOKS - FRAME MOUNTED  BUMPER MOUNTING FOR SINGLE LICENSE PLATE  NO MUDFLAP BRACKETS  NO REAR MUDFLAP  FRONT ANTI-SPRAY FENDER MOUNTED  15  MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION  HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		STANDARD MIDSHIP #1 CROSSMEMBER(S)		
Chassis Equipment  NO LH OR RH BACK OF CAB ACCESS 8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED 15 MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		STANDARD REARMOST CROSSMEMBER		
NO LH OR RH BACK OF CAB ACCESS  8" PAINTED STEEL BUMPER - HD 1/4"  FRONT TOW HOOKS - FRAME MOUNTED  BUMPER MOUNTING FOR SINGLE LICENSE PLATE  NO MUDFLAP BRACKETS  NO REAR MUDFLAP  FRONT ANTI-SPRAY FENDER MOUNTED  MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION  HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		HEAVY DUTY SUSPENSION CROSSMEMBER		
8" PAINTED STEEL BUMPER - HD 1/4" FRONT TOW HOOKS - FRAME MOUNTED BUMPER MOUNTING FOR SINGLE LICENSE PLATE NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS Fuel Tanks	Chassis Equipme	ent and a second		
FRONT TOW HOOKS - FRAME MOUNTED  BUMPER MOUNTING FOR SINGLE LICENSE PLATE  NO MUDFLAP BRACKETS  NO REAR MUDFLAP  FRONT ANTI-SPRAY FENDER MOUNTED  MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks	2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	NO LH OR RH BACK OF CAB ACCESS		
BUMPER MOUNTING FOR SINGLE LICENSE PLATE  NO MUDFLAP BRACKETS  NO REAR MUDFLAP  FRONT ANTI-SPRAY FENDER MOUNTED  MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		8" PAINTED STEEL BUMPER - HD 1/4"		
NO MUDFLAP BRACKETS NO REAR MUDFLAP FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS Fuel Tanks		FRONT TOW HOOKS - FRAME MOUNTED		
NO REAR MUDFLAP  FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
FRONT ANTI-SPRAY FENDER MOUNTED MUDFLAPS CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS Fuel Tanks		NO MUDFLAP BRACKETS		
MUDFLAPS  CLEAR FRAME RAILS (EXCEPT FUEL TANKS AND BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS  Fuel Tanks		NO REAR MUDFLAP		
BATTERY BOX) OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS Fuel Tanks			15	
Fuel Tanks		BATTERY BOX) OUTBOARD BOTH RAILS BACK OF		
		HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
- NO KH FUEL JANK	Fuel Tanks	NO DIMENSI TANK		
* 119 GALLON / 450 LITER CHART LNG FUEL TANK	*			

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	Description	Weight Front	Weight Rear
	PLAIN STEP FINISH		
*	CNG/LNG PARKER HANNIFIN TYPE LH FILLER RECEPTACLE AND DUST CAP		
*	NO FUEL TANK DRAIN VALVES		
*	MVE LNG FUEL HEATER		
*	FUEL LINES WITH NATURAL GAS CHECK VALVE, REGULATOR AND SHUTOFF SOLENOID WITH MACROTECH VENT FILL PIPE CON. ROUTED TO UPRIGHT		
*	CUSTOM FUEL HOSE		
	STAINLESS STEEL HIGH PRESSURE FUEL HOSE		
*	NO FUEL LINE INSULATION		
Tires 1			Element of the second
	315/80R22.5 20 PLY RADIAL FRONT TIRES		
	MICHELIN XZU-S 315/80R22.5 20 PLY RADIAL FRONT TIRES	78	
	315/80R22.5 20 PLY RADIAL REAR TIRES		
	MICHELIN XZU-S 315/80R22.5 20 PLY RADIAL REAR TIRES		312
*	MICHELIN XZU-S 315/80R22.5 20 PLY RADIAL SPARE TIRE		
*	MICHELIN XZU-S 315/80R22.5 20 PLY RADIAL ADDITIONAL SPARE TIRE		
Hubsi . **		3.7	
	WEBB IRON FRONT HUBS		
	CONMET ALUMINUM REAR HUBS		
Wheels	ALCOA 893630 22.5X9.00 10-HUB PILOT 3.12 INSET	-58	

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Weight Weight Description Front Rear

### Cab Exterior

68" BBC LOW CAB FORWARD ALUMINUM CAB

RH CAB DOOR WITH 70 DEGREE DOOR STRAP

LH CAB DOOR WITH 70 DEGREE DOOR STRAP

RUBBER CAB MOUNTS

HYDRAULIC CAB TILT MECHANISM WITH MANUAL PUMP, LOCATED RH SIDE BOC OVER FENDER

HYDRAULIC CAB LATCH

NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE

BLACK POLYURETHANE QUARTER FENDER BEHIND FRONT WHEEL

2" FENDER EXTENSIONS

INTERIOR AND EXTERIOR GRAB HANDLES FOR CAB ACCESS ON DRIVER AND PASSENGER SIDES

TWO GRAB HANDLES MOUNTED ON FRONT OF CAB BELOW WINDSHIELD

PAINTED CAB MOUNTED GRILLE WITH QUICK

RELEASE LATCHES AMERICAN LAFRANCE CONDOR NAME PLATES

TUNNEL/FIREWALL LINER

HADLEY ROUND AIR HORN, SINGLE BASE; 2 TRUMPETS DUAL TONE 12.5/10.25" MOUNTED

**BEHIND GRILLE** 

SINGLE ELECTRIC HORN

ALL LOCKS KEYED THE SAME

DUAL RECTANGULAR HALOGEN HEADLIGHTS

(5) AMBER MARKER LIGHTS

DAYTIME RUNNING LIGHTS

WIRING HARNESS ONLY TO END OF FRAME FOR

STOP, TAIL, TURN SIGNALS

STANDARD FRONT WITH SURFACE MOUNTED SIDE AUXILIARY TURN SIGNAL

DUAL MOLDED-IN COLOR WEST COAST MIRRORS

DOOR MOUNTED MIRRORS

LH/RH 8" MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS

LH DOWN VIEW MIRROR

STANDARD SIDE/REAR REFLECTORS

FIXED CAB MOUNTED STEPS RH/LH FOR CAB

**ENTRY** 



8

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Description	Weight Front	Weight Rear
20"X36" TINTED CENTER AND (2) 20"X15" TINTED OUTBOARD REAR WINDOWS	20	
TINTED DOOR GLASS		
RH AND LH ELECTRIC POWERED WINDOWS	4	
8"X34" TINTED VERTICAL UPPER SIDE WINDOWS LH AND RH	6	
TINTED WINDSHIELD		
ONE GALLON WINDSHIELD WASHER RESERVOIR LOCATED TO INBOARD SIDE OF UPRIGHT		
Cap Interior	100	
	-	



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Paradatta.	Weight	Weight
 Description	Front	Rear
DOOR ACTIVATED CENTER DOME LIGHT WITH LIGHT MOUNTED SWITCH		
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
(1) 12V POWER SUPPLY IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES, MOUNTED BEHIND DRIVER ON CAB BACKWALL	10	
NATIONAL 2000 SERIES MID BACK DRIVER SEAT WITH ACTIVE AIR LUMBAR SUPPORT		
NATIONAL 2000 SERIES MID BACK NON SUSPENSION PASSENGER SEAT		
CORDURA PLUS CLOTH DRIVER SEAT COVER		
CORDURA PLUS CLOTH PASSENGER SEAT COVER		
3 POINT ADJUSTABLE D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
2-SPOKE 18" (450MM) BLACK STEERING WHEEL(S)		
DRIVER/PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

CONDOR STANDARD GAUGE PACKAGE

**BLACK GAUGE BEZELS** 

INTEGRAL GAUGES MOUNTED IN INSTRUMENT

PANEL CLUSTER

GRAY CENTER INSTRUMENT PANEL

LOW AIR PRESSURE LIGHT AND BUZZER

2" PRIMARY AND SECONDARY AIR PRESSURE **GAUGES** 

AIR RESTRICTION GAUGE, AIR CLEANER MOUNTED

ECCO MODEL 917 AUTOMATIC SELF-ADJUSTING BACKUP ALARM WITH REVERSE MOTION SENSOR

KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY

INTEGRATED SPEEDOMETER MESSAGE CENTER LCD DISPLAY, DATA LINKED

DIAGNOSTIC INTERFACE CONNECTOR, 6 PIN, SAE J1587/1708, LOCATED BELOW DASH

ELECTRIC FUEL GAUGE WITH MECHANICAL PRESSURE GAUGE AT TANK FOR LNG

ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

2" TRANSMISSION OIL TEMPERATURE GAUGE



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Prepared for: Barry Torgerson McNeilus Companies 401 North Pepper PO Box 1588 Colton, CA 92324 Phone: 909-370-2100 Cell: 909-374-2876 Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108 Wheelbase (545). .5725MM (225") WHEELBASE

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD Prepared for: Barry Torgerson McNeilus Companies 401 North Pepper PO Box 1588

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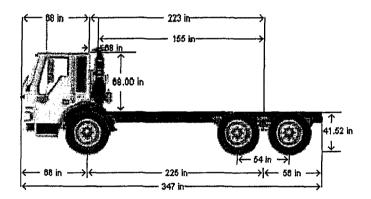
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### DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model .....

\_FTLC

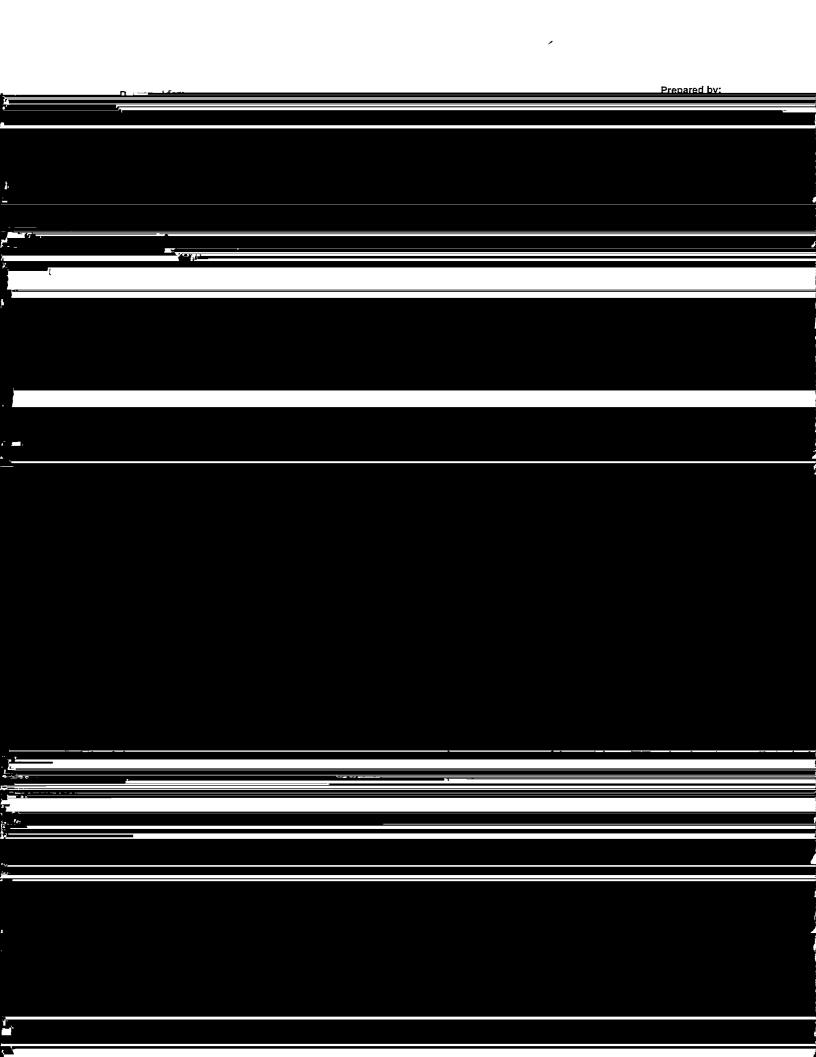
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### TABLE SUMMARY - DIMENSIONS

Dimension	Inches
Bumperto Back cf Cab (BBC)	67.9
Bumper to Centerline of Front Axle (BA)	65.7
Min. Cab to Body Clearance (CB)	2.0
Back of Cab to Centerline of Rear Axle(s) (CA)	222.8
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	154.8
Back of Cab Protrusions (Exhaust/Infake) (CP)	29.7
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Clearance (CL)	68.0
Back of Cabito End of Frame:	278.8
Cab Height (CH)	68.0
Wheelbase (WB)	225.0
Frame Overhang (OH)	56.0
Overall Length (OAL)	346.7
Rear Axle Spacing	54.0
Unladen Frame Height at Centerline of Rear Axie	41.5





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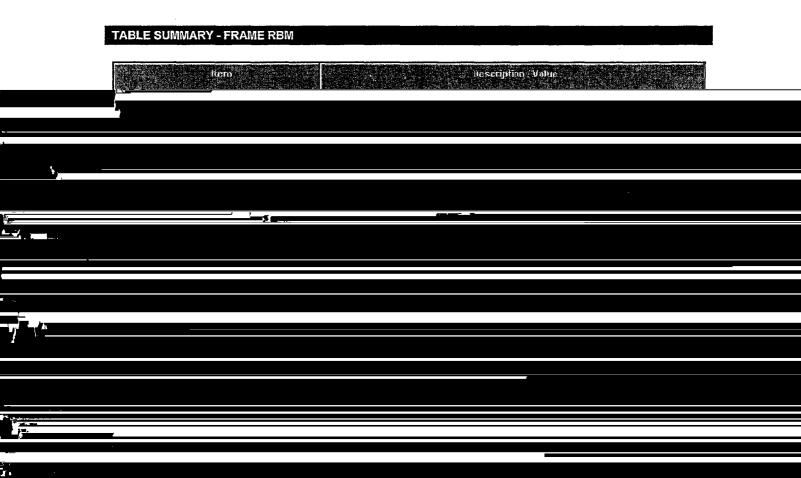
xle Component Weight R	The first of the second and the seco		
TE COMBONEUR AAGIBIN D	Ratings		
20000	20000	20000	

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### FRAME, RBM

# 



Customer: City of Long Beach X

Requestor: B. Torgerson

Freightliner Condor

Preparer: J Bomgren

02/27/2006

28 Yard Streetforce Autoreach

VIN:

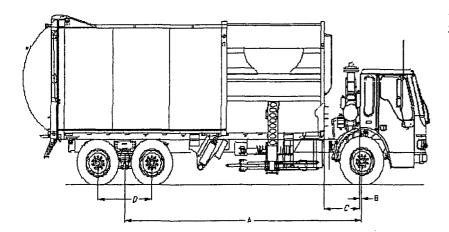
Payload Total: 18,880

(674 lbs/yd)

Notes: Chassis weights supplied by Freightliner, LNG system included in chassis weight, Body weight actual from Key# 7391

Number of Axles: 3	Number of Rear Axles: 2			
Auxillary Axles: Description	<u>Distance</u>	Weight	<u>CG</u>	Force
Pusher []	0.00	0.00	0.00	0.00
Tag 🗀	0.00	0.00	0.00	0.00

Weight Summary	Front Axle Tandem	Pusher	Rear Axle Tandem	Tag	Rear Group	Gross
Rating	20,000.0		40,000.0		40,000.0	
Bridge Law Max Weight	20,000.0		34,000.0		34,000.0	51,500.0
Chassis & Options Weight	9,819.0		6,591.0		6,591.0	16,410.0
Body & Options Weight	6,457.3		9,752.7		9,752.7	16,210.0
TARE Weight	16,276.3		16,343.7		16,343.7	32,620.0
Payload Weight	1,342.6		17,537.4		17,537.4	18,880.0
Total Weight	17,618.9	0.0	33,881.1	0.0	33,881.1	51,500.0
Weight %	34.2%	0.0%	65.8%	0.0%	65.8%	100.0%
Bridge Law Compliant?	Compliant		Compliant		Compliant	Compliant



### Inches

225.00 A: Wheelbase

1.50 B: Back of Cab to Center of Front Axle

35.50 C: Back of Cab to Front of Body

54.00 D: Rear Tandem Spread

0.00 E: Center of Tandem or Center of Single Axle to Pusher Axle

0.00 F: Center of Tandem or Center of Single Axle to Tag Axle

# **Weight Distribution**

02/27/2006 Page 2 of 3

	Inches	Feet		CG	Weight		Weight	CG
Outer Bridge:	252	21	Chassis Total:	90.4	16,410	Body:	16,210.00	98.37
Rear Inner Bridge:	54	5	Chassis Front:	0.0	9,819	Payload:	18,880.00	172.00
Front Tandem Bridge:	0	0	Chassis Rear:	225.0	6,591			
Rear Tandem Bridge:	54	5	Chassis Options Total:	0.0	0			
			Body Total:	135.4	16,210			
			Body Options Total:	37.0	0			
			Tag:	0.0	0			
			Pusher:	0.0	0			
			Payload:	209.0	18,880			
					51,500			

Center of Grav	ity Summary			
Front of Bo	Front of Body Location from Front Axle			
Wheelbase	Wheelbase		225.0	
Actual Back	Actual Back of Cab to Rear Axle/Tandem		223.5	
	<u>Chassis</u>	<u>Body</u>	Payload	Body+Payload
CG	90.4	98.4	172.0	138.0
Weight	16,410	16,210	18,880	35,090

Auxillary Axle Effects	Front	Pusher	Rear	Tag	Total	
Chassis	9,819	N/A	6,591	N/A	16,410	
Body	6,457	N/A	9,753	N/A	16,210	
Pusher Up	0	UP	0	UP	0	
Tag Up	0	UP	0	UP	0	
Tare Weight	16,276	UP	16,344	UP	32,620	
Payload	1,343	N/A	17,537	N/A	18,880	
Total Aux Axles Up	17,619	UP	33,881	UP	51,500	
Pusher Down	0	D	٥	N/A	٥	
Tag Down	0	N/A	. 0	0	0	
Net Pusher Down	0	0	0	N/A	0	
Net Tag Down	0	N/A	0	0	0	
Total Aux Axles Down	17,619	0	33,881	0	51,500	

Base Chassis Weight:

16,410

Chassis Options

Weight CG

Totals:

0.00 0.00

Total Chassis Weight with Options:

16,410

02/27/2006 Page 3 of 3

# Maximum Axle Loading

Warning

Body and chassis weights are informational and subject to change. Payload configurations are approximate due to variations in payload content and consistency. Under no circumstance does McNeilus guarantee payload due to these variables.

	Bridge Law Compliant	Alternative Loading
Payload Weight:	18,880.00	25,465.00
(lbs/yard)	674	909
Pusher Force:	0.00	0.00
Tag Force:	0.00	0.00

Axle Weights	Front Axle Tandem	Pusher	Rear Axle Tandem	Tag	Rear Group	Gross
Axle Rating	20,000		40,000			
Bridge Law Compliant	17,619	0	33,881	0	33,881	51,500
Alternative Loading	18,087	0	39,998	0	39,998	58,085

Customer a	ccepts this weight distribution and payload for this vehicle.
Signature:	

Mr. John Seevers City of Long Beach 2600 Temple Avenue Long Beach, CA. 90806 Re: Pricing Differential & Deviations from LBUSD Bid.

	Side Loader
Engine & Equipment	\$37,228.00
Transmission & Equipment	\$217.00
Rear Axle & Equipment	\$3,600.00
Brake & Equipment	\$819.00
Frame	\$1,809.00
Fuel Tanks & Equipment	\$26,508.00
Tires & Wheels	\$8,971.00
Exterior Cab & Equipment	\$2,139.00
Interior Cab & Equipment	\$1,440.00
List Option Total	\$82,731.00
Net Option Total	\$62,048.25
Option Price Concession	<u>\$40,576.25</u>
	\$21,472.00

Best Regards, Ron Creighton Los Angeles Freightliner 2429 S. Peck Road Whittier, CA. 90601 (562) 447-1515 office (562) 695-2697 fax (562) 755-6108 cellular

# **Refuse Billing Sheet**

Branch	Colton, CA.		Date:		4/12/2006	
Sales Rep	Barry Torgerson	PO#	or Quote #			
Contact Name:	John Seevers	Pricing	g Year Used		2006	
Phone #:		<del>'''</del>				
		F	ax or Email			
Invoice to:			-			
City of Long Be	ach				· · · · · · · · · · · · · · · · · · ·	
2600 Temple Av		MSO INFO	RMATION			
Long Beach, CA			TITLE TO:		Same	
Bong Board, C.	2. 90000					
Ship To:	<del></del>	<del></del>				,
Colton, CA		13	EINHOLDER:		· · · · · · · · · · · · · · · · · · ·	
Colloit, CA						
			<del></del>		<del></del>	
Final User:						
	ach	DA DENTÆ	LEET COMPA	NV		
City of Long Be	acii	I AREAT/FI	MEET COMIA	4.1		
					<del></del>	
					NO	
KEY NUMBER	R or Truck Serial number	<del></del>	tomer pick up	truck	NO	
		at Branch?				
	<u> </u>		include FET?		NO	
		If no, should	it be added?		МО	
	<u> </u>					
	<u> </u>					
	•					
Product Des	SCription <sub>(ex:</sub> CT 4029 or PM5 40	29)				٠
Chassis Model	Condor	Chassis or Pkg \$	133,684	Year	2007	
Body Model	2847		\$71,771			
Dody Model	2017	Dody Carly	******			
	Option Description	Ont	tion Price			
Option:	Dual Intec Cameras MCN-2N	\$	4,248.00		Notes:	
Option:	Roadway sign brackets only	<u>s</u>	224.00		· · · · · · · · · · · · · · · · · · ·	<del></del>
Option:	3 year packer warranty	<u> </u>	5,100.00		225" wheelbase	······································
-	5 your paonor warranty		0,2000		3 axle chassis	
Option:		<del></del>			119 gallon LNG tank i	
Option:		<del></del>	200.00			nounten
Option:	Arm work light	<u>s</u>	200.00		street side	
Option:	Hopper work light	<u>s</u>	200.00			
Option:	Mud flaps front of tandem	<u> </u>	58.00			
Option:	Paint body blue FLNA 50396	<u>s</u>	430.00			
Option:	Drip pan under bumper	<u> </u>	350.00		·	
Option:	Filter bypass monitor in cab	\$	168.00			
Option:	Pall return line filter		560.00			
Option:	17 gallon spill kit		112.90			
Option:	Plastic spillshield on arm		50.00	1		
<del>-</del>	~ <del></del>			1		<del></del>
Option:	AVL system	<u>s</u>	2,200.00			
Option:	SI axle scales 3 point installed in CA.	<u> </u>	4,850.00			
Option:	Peterson Smartlight system	<u>\$</u> _	571.00	1		
Option:	Plastic shovel		86.00			
Option:	Autoload	\$	2,348.00			
Option:	Pack assist panel lightweight	S	2,200,00			
Option:	outside controls	<u>s</u>	615.00			
Option:	Decals-"Frequent Stop" & "Backup"	<u>s</u>	560.00			
Option:	Cummins 5yr 150,000 mile warranty	<u>s</u>		j		
•			1 000 00			
Option:	Allison 5yr warranty	<u></u>	1,900.00			
Option:						
Option:						
Discount Appro	ved by	Sub Total	\$232,485.00	į		
	Cha	assis Discount				
		Body Discount				
		Discount %	0.00%			
	<del></del>		0.0076			
		Selling Price	\$232,485.00			
		Freight	\$5,925.00			
Quantity	SIX (6) Tota	l Selling Price	\$238,410.00		Deposit Amount	
~ aannii	(V) TOTA		3225,110.00		p	

**Quote No: 21455** 

To: City of Long Beach 2600 Temple Avenue Long Beach, CA 90806

Attn: John Seevers Date: April 17, 2006

McNeilus Companies is pleased to present you with the following quotation:

### McNEILUS 20 YARD STANDARD REAR LOADER

### BODY SPECIFICATIONS

• Floor: 3/16" AR200 (one piece)

• Floor Braces (width): 3/16" GRD 50 high strength Steel

• Floor Braces (length): C8 x 11.5" Channel

Rear Floor Shelf: 5/16" AR200

• Side Wall, Rear Section: 1/8" AR500

• Side Wall, Front Section: 10 Gauge AR200

• Side Post: 3/16" GRD 50 high strength Steel

Roof: 10 Gauge AR200

• Front: 3/16" GRD 50 high strength Steel (weldment)

Access Door: 23 ½" x 29 ½" (located streetside)

• Body Bolsters: 10 Gauge GRD 50 high strength Steel

### HOPPER SPECIFICATIONS

- 3.0 Cubic Yard Tailgate Capacity
- 55 1/2" Hopper Opening Height
- 80" Hopper Width
- 50" Hopper Tailgate Seal Height
- Hopper Braces and Support: 3/16" GRD 50 high strength Steel
- Upper Braces and Support: 11 Gauge GRD 50 high strength Steel (formed channel)
- Floor: ¼" AR200
- Loading Edge: 1/4" GRD 50 high strength Steel
- Sides (bottom half): 3/16" AR200
- Sides (top half): 11 Gauge GRD 50 high strength Steel
- Tracks: ¼" GRD 50 high strength Steel
- Wear Strips: ½" x 3" 1044 Steel

#### SLIDE SPECIFICATIONS

- Face: 3/16" GRD 50 high strength Steel
- Side Plates: 1/2" GRD 50 high strength Steel
- Braces: 3/16" GRD 50 high strength Steel
- Slide Shoes: A500 GRD B Rectangular Tubing with (2) 4" x 14" lower and (2) 4" x 14" upper high performance self-lubricating polymer pads

### PACKING PANEL

- Face Plate: 1/4" AR200
- Cylinder Supports: 1/2" GRD 50 high strength steel plate
- Braces: ¼" GRD 50 high strength Steel
- Ribs: 3/8" GRD 50 high strength Steel
- Packer Edge Strip: ¾" GRD 50 high strength Steel
- Packer Bearing: 3 ½" ID Bronze Bushings

### **EJECTOR**

- Upper Vertical Face: 11 Gauge GRD 50 high strength Steel
- Lower Sloped Face: 10 Gauge A569 HR Steel
- Braces: C4 x 5.4 Structural Channel with 1/4" welded structure
- Slide Blocks: UHMW Plastic (4 pieces per side)
- Track Guides: ¼" GRD 50 high strength Steel
- Gussets: 1/4" GRD 50 high strength Steel
- Ejector Cylinder center mounted with a 45 degree welded mount assembly with 1" sides and 3/8" base fully welded to floor of body

### HYDRAULICS

- Pump Make/Model: Commercial Intertech (front mount model: P75, transmission mount model: P365)
- Pump Size: P75—1 3/4", P365—2" x 2"
- Pump Flow: 35 gpm @ 800 RPM
- Control Valves: Commercial Intertech VA35, MRV Setting-2700 psi
- Oil Reservoir:
- 17 yard and 20 yard-40 Gallons
- 25 yard and 32 yard-50 Gallons
- Filter: Parker 40 CN
- Suction Strainer: 100 mesh stainless steel with magnets

### CYLINDERS

- Ejector Cylinder:
- 17 yard—6 x 3 stage x 71"
- 20 yard—6 x 3 stage x 88" 25 yard—7 x 4 stage x 119"
- 32 yard-8 x 5 stage x 163"
- Sweep Cylinder: 4" bore x 3" cylinder size x 23" stroke
- Slide Cylinder: 4½" bore x 3½" cylinder size x 32 ½" stroke
- Tailgate Cylinder: 2.88" bore x 2 ½" cylinder size x 38" stroke

#### HARDWARE

- Weather Pak Connector—Deutsch Connectors
- Aeroquip Hoses and Fittings

### Continuation of Quote # 21455

- Hydra-Zorb and Stauff Clamps
- Rear lights, signal lights, and back-up lights are 4" Truk-Lite brand with Bowman brand fasteners

### McNEILUS WARRANTIES

- Cylinders: 5 year limited warranty from date of delivery
- Hydraulic Pump and Valves: 2 years from date of delivery
- Packer Unit: 6 months from date of delivery

### PAINTING

Packer and components steel shot blasted prior to priming with high solids epoxy primer. Finish Coat Akzo
Coating's Sikkens high solids acrylic urethane. Solid white standard.

PRICE: \$209,599.00 Price does not include FET See Attached Body Specs

### Options Included in Price:

- 4 Hopper Work Lights
- Dual Bayne Tippers BTL 1110
- Container Tipper
- Decal- "This Truck Backs Up"
- Body Paint, Blue FLNA 50396
- Manuals and CDs
- Roadway Sign Brackets only
- Peterson Smartlight System
- RH Tailgate and Ejector Pneumatic Controls
- Cover for Hydraulic Lines
- Liners: Hopper
- Mudflaps (Front and Rear of Tandem)

CHROME EXHAUST RA IN CAP
HORTON DRIVEMASTER ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH
SWITCH

CUMMINS SUPPLIED FLEETGUARD COALESCING FILTER (LOW PRESSURE) CNG

FLEETGUARD LF-3000 COMBINATION FULL FLOW/BYPASS OIL FILTER - ENGINE MOUNTED

FLEETGUARD COOLANT FILTER, PLAIN
1164 SQUARE INCH COPPER/BRASS RADIATOR

REMOTE MOUNTED SURGE TANK

ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT GATES BLUE STRIPE COOLANT HOSES CONSTANT TENSION HOSE CLAMPS FOR

COOLANT HOSES

Prepared for:
Barry Torgerson
McNeilus Companies
401 North Pepper
PO Box 1588
Colton, CA 92324
Phone: 909-370-2100
Cell: 909-374-2876
E-Mail:
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Prepared by:
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RCreighton@lafreightliner.com

A proposal for

McNeilus Companies

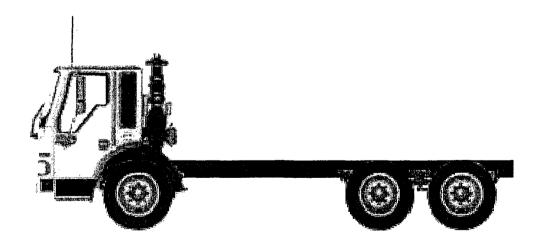
Prepared by

LOS ANGELES FREIGHTLINER - WESTERN STAR

Ron Creighton

April 11, 2006

### **CONDOR LOW CAB FORWARD CHASSIS**



Application Version 5.2.203 Data Version PRL-42E.001 City of Long Beach REL 168"wb 3-27-06



04/11/2006 11:32 PM

Page 1 of 18

Prepared for:
Barry Torgerson
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401 North Pepper
PO Box 1588
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RCreighton@lafreightliner.com

## SPECIFICATION PROPOSAL

		Description	Weight Front	Weight Rear
	Price Level			Nigo-
		CONDOR PRL-42E (EFF:01/10/06)		
	Data Version	是是一个人,但是一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的		
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Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108 E-Mail:

RCreighton@lafreightliner.com

E-Mail: btorgerson@mcneilusco.com

Weight

15

10

30

Weight

Description

Front

Rear

#### Engine \*

CUM C 8.3G+ 280 HP @ 2400 RPM ELEC N-GAS850

LB/FT @ 1400 RPM

### Engine Equipment

2004 EPA/CARB EMISSION CERTIFICATION

ENGINE MOUNTED OIL CHECK AND FILL

ONE PIECE VALVE COVER

VERTICAL SNORKEL AND DONALDSON HIGH

CAPACITY AIR CLEANER MOUNTED HORIZONTALLY BACK OF CAB

STATIONARY VERTICAL AIR INTAKE SNORKEL,

LOCATED RH SIDE OUTBOARD

DONALDSON ONE-STAGE AIR CLEANER WITH SY-

KLONE SERIES 9000 PRECLEANER

AIR INTAKE PIPING - CLEANER TO ENGINE PLAIN BONNET AIR INTAKE HOOD/CAP

LN 12V 200 AMP 4863 ALTERNATOR WITH AC TAPS

(3) ALLIANCE 1231 GROUP 31 12V MF 3300 CCA 30

THREADED STUD BATTERIES

ALUM BATT BOX FRAME MTD RH, SHORT SIDE TO

RAIL

CUSTOM BATTERY BOX MOUNTING/LOCATION

MOUNT BATTERY BOX 10" BELOW TOP OF CHASSIS FRAME AS FAR FORWARD ON RH RAIL

FRAME GROUND RETURN FOR BATTERY CABLES: GROUND CABLE FROM LH AND RH FRAME TO

**ENGINE** 

NON-METALLIC BATTERY BOX COVER

FLAMING RIVER BATTERY SHUTOFF SW W/LOCK PROVISION MTD AFT SIDE OF BOX O/B OF FRM

POLY-V BELTS WITH AUTOMATIC TENSIONER FOR

FAN DRIVE

**CUMMINS ENCORE ENGINE ELECTRONICS** 

NO CLUTCH

NO CLUTCH RELEASE BEARING LUBE

**CUMMINS 18.7 CFM COMPRESSOR WITH INTERNAL** 

SAFETY VALVE

STANDARD AIR COMPRESSOR GOVERNOR TEFLON COMPRESSOR DISCHARGE LINE

ELECTRONIC ENGINE INTEGRAL SHUTDOWN

PROTECTION SYSTEM

SINGLE VERTICAL EXHAUST WITH PAINTED STACK

LEFT SIDE



E-Mail: btorgerson@mcneilusco.com

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108 E-Mail:

		Description	Weight Front	Weight Rear
•		FLEXIBLE STAINLESS STEEL EXHAUST PIPING		
		STANDARD EXHAUST SYSTEM LENGTH		
		SINGLE STAINLESS STEEL VERTICAL MUFFLER		
		SINGLE STATIONARY OUTBOARD OF RAIL MOUNTED MUFFLER		
	*	STAINLESS STEEL MUFFLER INLET ELBOW(S) WITH CHROME STACK(S)		
	· /			

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RCreighton@lafreightliner.com

	Description	Weight Front	Weight Re <b>ar</b>	
	VEHICLE INTERFACE WIRING FOR REFUSE BODY BUILDER CONNECTOR, BACK OF CAB			
	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			
*	DASH MOUNTED ELECTRONIC CONTROL T- HANDLE SHIFT LEVER			
	WATER TO OIL TRANSMISSION COOLER			
	TRANSMISSION REAR SUPPORT LEAF SPRING			
	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			MTH-COM:

Front Axle and Equipment

btorgerson@mcneilusco.com

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD

WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108

E-Mail:

	Description	Weight Front	Weight Rear
	17N MERITOR INTERAXLE DRIVELINE WITH FULL ROUND YOKES		
	INTERAXLE AND/OR DIFFERENTIAL LOCKOUT WITH INDICATOR LIGHT		
	CASTROL TRANSYND SYNTHETIC AUTOMATIC TRANSMISSION OIL AND MOBIL SYNTHETIC 75W- 90W ALL AXLES		
	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		120
	REFUSE SEVERE SERVICE, NON-ASBESTOS REAR LINING		
	STANDARD BRAKE CHAMBER LOCATION		
	GUNITE CAST IRON REAR BRAKE DRUMS		
	CHICAGO RAWHIDE SCOTSEAL REAR OIL SEALS		
*	MGM TR-T LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
Pack Suchahaia	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
	··		

Cell: 909-374-2876

E-Mail:

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Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108

E-Mail: RCreighton@lafreightliner.com

Description

Weight Front

Weight Rear

BW DV-2 AUTO DRAIN VALVE WITH HEATER ON

WET TANK, DV-2 WITHOUT HEATER ON ALL OTHER **TANKS** 

Trailer Connections

AIR CONNECTIONS AND ANCHOR COUPLINGS TO

FRONT OF FRAME FOR TOWING

PLUMBING FOR AUXILIARY AIR TANK WITH

PROTECTED SUPPLY

10



E-Mail:

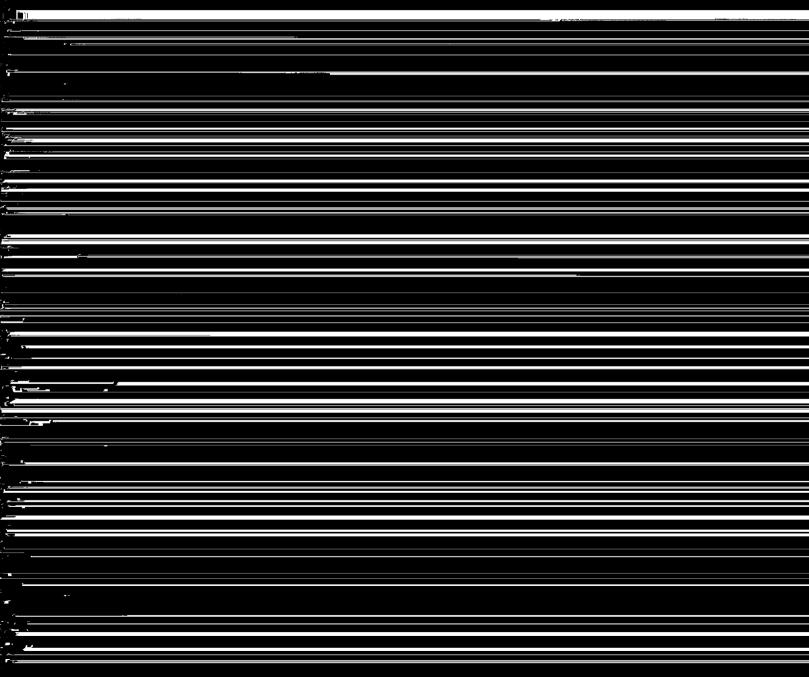
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Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108 E-Mail:

	Description	Weight Front	Weight Rear
*	26" DIAMETER FUEL TANK(S)		
*	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
	FUEL TANK(S) FORWARD		
	PLAIN STEP FINISH		
*	CNG/LNG PARKER HANNIFIN TYPE LH FILLER RECEPTACLE AND DUST CAP		
*	NO FUEL TANK DRAIN VALVES		
*	MVE LNG FUEL HEATER		
*	FUEL LINES WITH NATURAL GAS CHECK VALVE, REGULATOR AND SHUTOFF SOLENOID WITH MACROTECH VENT FILL PIPE CON. ROUTED TO UPRIGHT		
*	STAINLESS STEEL HIGH PRESSURE TUBING WITH FLEXIBLE STEEL WIRE REINFORCED NYLON LOW PRESSURE NATURAL GAS FUEL HOSE		
*	NO FUEL LINE INSULATION		

E-Mail: btorgerson@mcneilusco.com Prepared by:
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Phone: 562-447-1200
Cell: 562-755-6108
E-Mail:

	Description	Weight Front	Weight Rear
*	ACCURIDE 29730A 22.5X9.00 10-HUB PILOT 10- HAND ALUMINUM DISC SPARE WHEEL		
*	SPARE WHEEL: ALCOA 893630 22.5X9.0 10-HUB PILOT ALUM, 3.12 INSET, 10-HAND		
77.44			



Prepared by:
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E-Mall:
RCreighton@lafreightliner.com

E-Mail: btorgerson@mcneilusco.com

	Description	Weight Front	Weight Rear
	RH DOWN VIEW MIRROR		
	STANDARD SIDE/REAR REFLECTORS		
	FIXED CAB MOUNTED STEPS RH/LH FOR CAB ENTRY		
	20"X36" TINTED CENTER AND (2) 20"X15" TINTED OUTBOARD REAR WINDOWS	20	
	TINTED DOOR GLASS		
	RH AND LH ELECTRIC POWERED WINDOWS	4	
	8"X34" TINTED VERTICAL UPPER SIDE WINDOWS LH AND RH	6	
	TINTED WINDSHIELD		
	ONE GALLON WINDSHIELD WASHER RESERVOIR LOCATED TO INBOARD SIDE OF UPRIGHT		
Cab Interior			
	GRAY STANDARD INTERIOR		
	ABS UPPER AND BALANCE PAINTED ALUMINUM LH DOOR TRIM		
	ABS UPPER AND BALANCE PAINTED ALUMINUM RH DOOR TRIM		
	SLIP RESISTANT FLOORING		
	FORWARD ROOF MOUNTED CONSOLE		
	LH/RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
	(2) CUP HOLDERS LH AND RH INTEGRAL WITH ENGINE TUNNEL COVER		
	(2) ROOF MOUNTED WINDSHIELD FANS	10	
	2-1/2 LB, FIRE EXTINGUISHER	5	
	FIRST AID KIT, MOUNTED BEHIND DRIVER ON CAB BACKWALL	2	
	HEATER, DEFROSTER AND AIR CONDITIONER	60	
	STANDARD HVAC DUCTING		
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH AND MANUAL AIR CONDITIONER ON/OFF SWITCH		
	STANDARD HEATER PLUMBING		
	SANDEN COMPACT AIR CONDITIONER COMPRESSOR		
	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
	BINARY CONTROL, R-134A, WITH RECEIVER DRIER		
	CAB INSULATION WITH ADDITIONAL NOISE AND THERMAL TREATMENT		

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Description	Weight Front	Weight Rear
 AUTO SELF-RESET CIRCUIT BREAKERS AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM WITH SCHEMATIC MANUAL		
DOOR ACTIVATED CENTER DOME LIGHT WITH LIGHT MOUNTED SWITCH		
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
(1) 12V POWER SUPPLY IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES, MOUNTED BEHIND DRIVER ON CAB BACKWALL	10	
NATIONAL 2000 SERIES MID BACK DRIVER SEAT WITH ACTIVE AIR LUMBAR SUPPORT		
NATIONAL 2000 SERIES MID BACK NON SUSPENSION PASSENGER SEAT		
CORDURA PLUS CLOTH DRIVER SEAT COVER		
CORDURA PLUS CLOTH PASSENGER SEAT COVER		
3 POINT ADJUSTABLE D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
2-SPOKE 18" (450MM) BLACK STEERING WHEEL(S)		
DRIVER/PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

CONDOR STANDARD GAUGE PACKAGE

BLACK GAUGE BEZELS

INTEGRAL GAUGES MOUNTED IN INSTRUMENT

PANEL CLUSTER

GRAY CENTER INSTRUMENT PANEL

LOW AIR PRESSURE LIGHT AND BUZZER

2" PRIMARY AND SECONDARY AIR PRESSURE

**GAUGES** 

AIR RESTRICTION GAUGE, AIR CLEANER

MOUNTED

ECCO MODEL 917 AUTOMATIC SELF-ADJUSTING BACKUP ALARM WITH REVERSE MOTION SENSOR

KEY OPERATED IGNITION SWITCH AND INTEGRAL

START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY

INTEGRATED SPEEDOMETER MESSAGE CENTER LCD DISPLAY, DATA LINKED

DIAGNOSTIC INTERFACE CONNECTOR, 6 PIN, SAE J1587/1708, LOCATED BELOW DASH

ELECTRIC FUEL GAUGE WITH MECHANICAL PRESSURE GAUGE AT TANK FOR LNG



2

E-Mail:

btorgerson@mcneilusco.com

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108 E-Mail:

	Description	Weight Front	Weight Rear
	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
	2" TRANSMISSION OIL TEMPERATURE GAUGE		
	TRIP HOUR METER INTEGRAL WITH SPEEDOMETER MESSAGE CENTER (SMC)		
	ELECTRIC ENGINE OIL PRESSURE GAUGE		
	F/L XTA-2000 AM/FM/WB RADIO BY DELPHI	10	
	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
	(2) RADIO SPEAKERS (CAB ONLY)		
	AM/FM FLEXIBLE COMPOSITE ANTENNA MOUNTED ON LH FRONT A-PILLAR		
	NO CB RADIO/PROVISION		
	NO CB ANTENNA, BRACKET OR LEAD		
*	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
	ELECTRONIC TACHOMETER 3000 RPM		
	IGNITION SWITCH CONTROLLED ENGINE STOP		
	DASH CONTROL FOR REFUSE WORK BRAKE FOR FRONT AND REAR SERVICE BRAKES WITH TRANSMISSION AUTO NEUTRAL		
	VOLTMETER; LOW VOLTAGE WARNING LIGHT AND BUZZER		
	DUAL ELECTRIC MOTOR WINDSHIELD WIPER WITH DELAY		
	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
	ONE VALVE PARKING BRAKE SYSTEM (PP1) OFFSET TOWARDS DRIVER POSITION		
	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
	NON-POLARITY SENSITIVE ELECTRONIC FLASHER		

Cell: 909-374-2876

E-Mail:

btorgerson@mcneilusco.com

Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR 2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200

Cell: 562-755-6108

E-Mail:

RCreighton@lafreightliner.com

Weight

Rear

Weight Front Description

Special Narrative Instructions

ULEV (ULTRA LOW-EMISSION VEHICLE) CERTIF

TOTAL VEHICLE SUMMARY

E-Mail:

btorgerson@mcneilusco.com

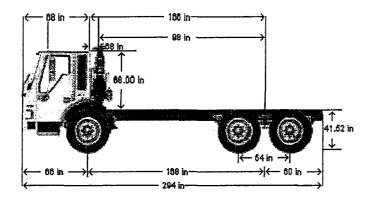
Prepared by: Ron Creighton LOS ANGELES FREIGHTLINER - WESTERN STAR

2429 S. PECK ROAD WHITTIER, CA 90601 Phone: 562-447-1200 Cell: 562-755-6108

E-Mail:

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### DIMENSIONS



#### **VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS**

Model	FTLC
Wheelbase (545)	4275MM (168") WHEELBASE
	1525MM (60") REAR FRAME OVERHANG
	68" BBC LOW CAB FORWARD ALUMINUM CAB



E-Mail:

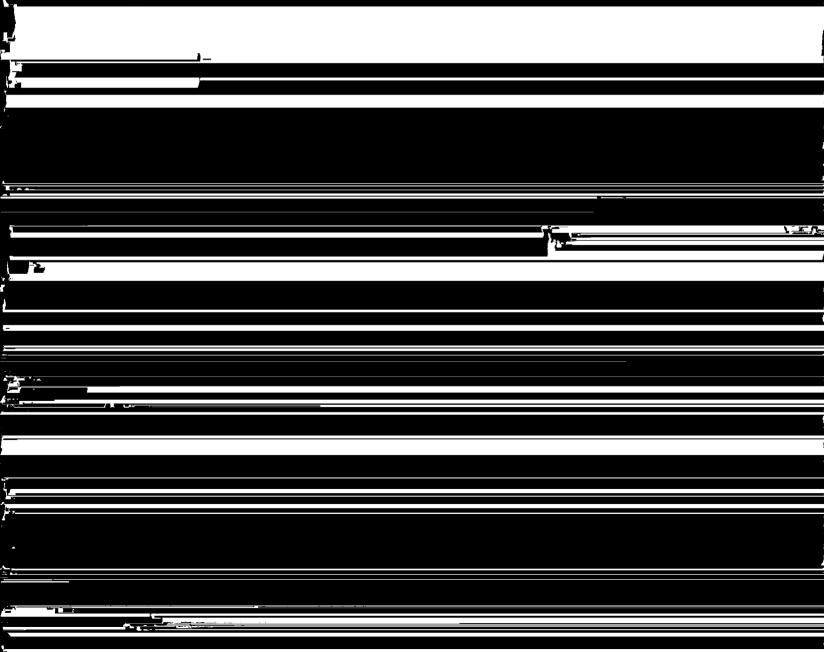
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#### **TABLE SUMMARY - DIMENSIONS**





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Cell: 562-755-6108 E-Mail:

VEHICLE S	PECIFICATI	ONS SUMMARY -	<b>GVWR</b>

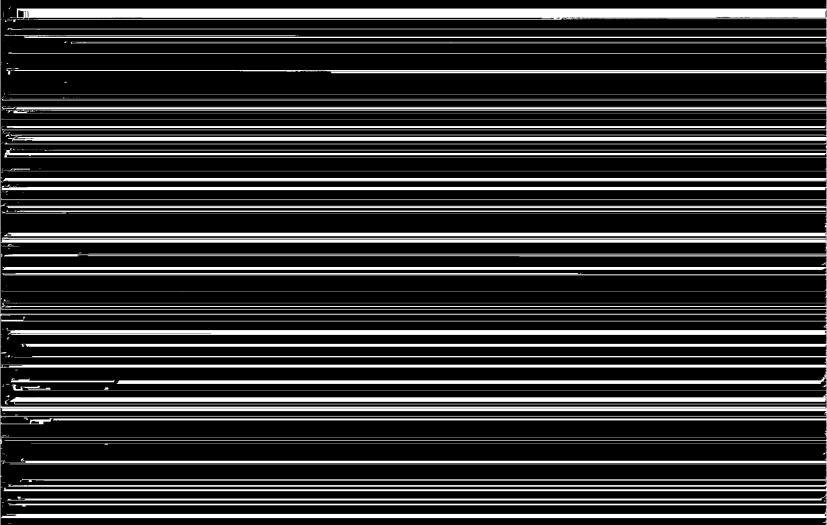
Model	FTLC
Cab Size (829)	68" BBC LOW CAB FORWARD ALUMINUM CAB
Expected Front Axie(s) Load (ibs)	20000.0
Expected Pusher Axie(s) Load (ibs)	0.0
Expected Rear Axle(s) Load (ibs)	40000.0
Expected Tag Axle(s) Load (lbs)	0.0
Expected GVW (lbs)	60000
Expected GCW (lbs)	
Front Axle (400)	FL-943 FL1 20,000# SINGLE FRONT AXLE
Front Suspension (620)	20,000# TAPERLEAF FRONT SUSPENSION
Front Hubs (418)	

Prepared for:
Barry Torgerson
McNeilus Companies
401 North Pepper
PO Box 1588
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Phone: 909-370-2100
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	Front	Rear 1	Rear 2
		Weight Ratings	
Axles	20000		20000
Suspension .	20000	20000	20000
Hubs	20000	23000	23000
Brakes	21500	22500	22500
Wheels	20000	36000	36000
Tires	20000	33080	33080
Power Steering	22000	N/A	N/A
GAWR (per axle)	20000	20000	20000
GAWR (per axle system)	20000		40000
Expected Load (per axle system	20000		40000
	Yehicle GVW	R Summary	
Calculated GVWR	60000		
Expected GVVVR	60000		
	Al weights displ	ayed in pounds	



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FRAME RBM

#### **VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM**

 Wheelbase (545)
 4275MM (168") WHEELBASE

 Frame Rails (546)
 7/16" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X 282.6MM/.437" X 11.13")110KSI(546)

 Yield Strength (psi)
 110000

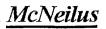
 Section Modulus (per rail) (cu in)
 22.25

 RBM (per rail) (lbf-in)
 2448000

#### TABLE SUMMARY - FRAME RBM

ltem .	nescription : Value :
Wheelbase	4275MM (168") WHEELBASE
Frame	7/16" X 3-11/16" X 11-1/8" STEEL FRAME (11.11MM X 282.6MW/.437" X 11.13")110KSI
Inner Frame Reinforcement	None
Outer Frame Reninforcement	None
Yield Strength (psi)	11000C
Section Modulus - per rail (cu. in.)	22.25
Frame RBM : per rail (lbf in)	2448000





## **Weight Distribution**

04/19/2006

Page 1 of 3

	Customer: City of Long Beach XII	Requestor: B. Torgerson	
	Otaniina Candan		10/2006
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## **Weight Distribution**

04/19/2006

Page 2 of 3

	Inches	Feet		CG	Weight		Weight	CG
Outer Bridge:	195	16	Chassis Total:	<b>67.7</b>	16,056	Body:	14,760.00	121.00
Rear Inner Bridge:	54	5	Chassis Front:	0.0	9,586	Payload:	14,695.00	107.00
Front Tandem Bridge:	0	0	Chassis Rear.	168.0	6,470			
Rear Tandem Bridge:	54	5	Chassis Options Total:	0.0	0			
			Body Total:	164.0	14,760			
			Body Options Total:	43.0	0			
			Tag:	0.0	0			
			Pusher.	0.0	0			
			Payload:	150.0	14,695			
					45,511			

Center of Gravit	y Summary			
Front of Boo	ly Location from F	Front Axle	43.0	
Wheelbase			168.0	
Actual Back	of Cab to Rear A	xle/Tandem	166.5	
	<u>Chassis</u>	<u>Body</u>	Payload	Body+Payload
CG	67.7	121.0	107.0	114.0
Weight	16,056	14,760	14,695	29,455

Auxillary Axle Effects	Front	Pusher	Rear	Tag	Total	
Chassis	9,586	N/A	6,470	N/A	16,056	
Body	351	N/A	14,409	N/A	14,760	
Pusher Up	0	UP	0	UP	0	
Tag Up	0	UP	0	UP	0	
Tare Weight	9,937	UP	20,879	UP	30,816	
Payload	1,574	N/A	13,121	N/A	14,695	
Total Aux Axles Up	11,512	UP	33,999	UP	45,511	
Pusher Down	0	0	0	N/A	0	
Tag Down	0	N/A	0	0	0	
Net Pusher Down	0	0	0	N/A	0	
Net Tag Down	0	N/A	0	0	0	
Total Aux Axies Down	11,512	0	33,999	0	45,511	

Base Chassis Weight:

16,056

Chassis Options

Weight CG

0.00

0.00

Totals:

Total Chassis Weight with Options:

16,056

**Body Options** 

Total Body Weight with Options:

14,760

### Maximum Axle Loading

Warning: Body and chassis weights are informational and subject to change. Payload configurations are approximate due to variations in payload content and consistency. Under no circumstance does McNeilus guarantee payload due to these variables.

	Bridge Law Compliant	Alternative Loading
Payload Weight: (lbs/yard)	14,695.00 735	20,000.00 1000
Pusher Force:	0.00	0.00
Tag Force:	0.00	0.00

Axle Weights	Front Axle Tandem	Pusher	Rear Axle Tandem	Tag	Rear Group	Gross
Axle Rating	20,000		40,000			
Bridge Law Compliant	11,512	0	33,999	٥	33,999	45,511
Alternative Loading	12,080	0	38,736	0	38,736	50,816

Customer a	ccepts this weight distribution and payload for this vehicle.
Signature:	

# **Refuse Billing Sheet**

Branch	Colton, CA.	Date:	4/12/2006
Sales Rep	Barry Torgerson	PO# or Quote #	
Contact Name:	John Seevers	Pricing Year Used	2006
Phone #:		<del></del>	
		Fax or Email	
Invoice to:		_	
City of Long Be			
2600 Temple A	ve.	MSO INFORMATION	
Long Beach, CA	A. 90806	TITLE TO:	Same
Ship To:			· · · · · · · · · · · · · · · · · · ·
Colton, CA		LEINHOLDER:	
<del></del>			
731 177			
Final User:		DADENING EVER COMPA	NTM.
City of Long Be	ach	PARENT/FLEET COMPA	IN Y
LIEV MINADE	D T 1- C 1-1 1	TYPH A C	
KEY NUMBER	R or Truck Serial number	Will the Customer pick up	truck NO
	<del> </del>	at Branch?	210
	<del> </del>	Does packer include FET?	NO NO
	<del> </del>	If no, should it be added?	NO
	<del> </del>		
Product Des	scription(ex: CT 4029 or PM5 4	0291	
Chassis Model	-		Year 2007
Body Model	2010	Chassis or Pkg \$130,919	Year 2007
Body Model	2010	Body Only \$42,942	
	Option Description	Option Price	
Option:	Option Description	Option Trice	Notes:
Option:	Roadway sign brackets only	\$ 224.00	Trotes.
Option:	3 year packer warranty	\$ 2,800.00	3" lower tailgate
Option:	RH tailgate & ejector pneumatic contr		3 axle chassis
Option:	Hopper liner	\$ 1,084.00	168" wheelbase required for
Option	In cab controls mounted on center con	nsole \$ -	119 gailon LNG tank mounted
Option:	4 Hopper work lights	\$ 742.00	curbside
Option:	Mud flaps front & rear of tandem	\$ 116.00	Cui Ditue
Option:	Paint body blue FLNA 50396	\$ 430.00	
Option:	Side door ladder with shutdown		
Option:	Throttle advance RH side	\$ 742.00 \$ 250.00	
-			
Option:	Manuals and CDs	<u> </u>	
Option:	Decal- "This Truck Backs Up"	\$ 280.00 \$ 391.00	
Option:	Cover for hydraulic lines		
Option:	AVL system	\$ 2,200.00	
Option:	SI axle scales 2 point installed in CA.	\$ 4,150.00	
Option:	Peterson Smartlight system	\$ 571.00	
Option:	Dual rear to cab buzzers	\$ 388.00	
Option:	Cummins 5yr 150,000 mile warranty	<u>s</u> -	
Option:	Allison 5yr warranty	\$ 1,900.00	L
Option:	Dual Bayne Tippers BTL 1110	\$ 10,150.00	
Option:	Container Tipper	\$ 2,395.00	
Option:			
Discount Appro	ved by	Sub Total \$203,674.00	
		assis Discount	<del></del>
		Body Discount	
		Discount % 0.00%	
		Selling Price \$203,674.00	
		Freight \$5,925.00	
Quantity	THREE Tota	Il Selling Price \$209,599.00	Deposit Amount

Mr. John Seevers City of Long Beach 2600 Temple Avenue Long Beach, CA. 90806 Re: Pricing Differential & Deviations from LBUSD Bid.

	Rear Loader
Engine & Equipment	\$37,228.00
Transmission & Equipment	\$217.00
Rear Axle & Equipment	\$3,600.00
Brake & Equipment	\$819.00
Frame	\$1,045.00
Fuel Tanks & Equipment	\$26,508.00
Tires & Wheels	\$8,971.00
Exterior Cab & Equipment	\$0.00
Interior Cab & Equipment	\$1,440.00
List Option Total	\$79,828.00
Net Option Total	\$59,871.00
Option Price Concession	<u>\$41,164.00</u>
	\$18,707.00

\$0.00

Best Regards, Ron Creighton Los Angeles Freightliner 2429 S. Peck Road Whittier, CA. 90601 (562) 447-1515 office (562) 695-2697 fax (562) 755-6108 cellular