

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



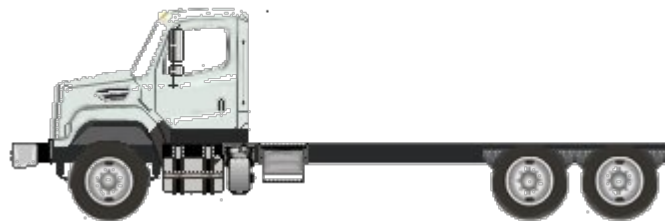
**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

*A proposal for*  
**CITY OF DEER PARK**

*Prepared by*  
**Houston Freightliner**  
*Adam Neuse*

*Nov 17, 2021*

**Freightliner 108SD Grapple Truck**



Components shown may not reflect all spec'd options and are not to scale

**Prepared for:**  
 Edwin Garcia  
 CITY OF DEER PARK  
 710 E SAN AUGUSTINE ST  
 DEER PARK, TX 77536  
 Phone: 281-478-7213



**Prepared by:**  
 Adam Neuse  
 Houston Freightliner  
 9550 North Loop East  
 Houston, TX 77029  
 Phone:

## S P E C I F I C A T I O N   P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-26D	SD PRL-26D (EFF:7/26/21)		
<b>Data Version</b>			
DRL-024	SPECPRO21 DATA RELEASE VER 024		
<b>Vehicle Configuration</b>			
001-176	108SD CONVENTIONAL CHASSIS	6,829	3,748
004-223	2023 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-011	CONSTRUCTION SERVICE		
A84-1CO	CONSTRUCTION BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 62000.0 lbs		
<b>Truck Service</b>			
AA3-030	FLATBED/PLATFORM BODY WITH LIFT/PULL DEVICE/Crane		

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
A88-99D	EXPECTED TRUCK BODY LENGTH : 0.0 ft		
AF3-1V9	HEIL OF TEXAS - HOUSTON		

### Engine

101-3BP CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM,  
1000 LB-FT @ 1200 RPM

### Electronic Parameters

79A-075	75 MPH ROAD SPEED LIMIT
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED
79P-005	PTO RPM WITH CRUISE SET SWITCH - 1000 RPM
79Q-005	PTO RPM WITH CRUISE RESUME SWITCH - 1000 RPM
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
79W-001	ONE REMOTE PTO SPEED
79X-007	PTO SPEED 1 SETTING - 1000 RPM
* 80P-998	NO FLEET SPEC FOR PARAMETERIZATION
80G-002	PTO MINIMUM RPM - 700
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH

### Engine Equipment

99C-021	2010 EPA/CARB/GHG21 CONFIGURATION		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-236	(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES	40	20
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	10	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20	
016-1DC	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES	10	5
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-022	RH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES	20	20
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
266-104	1115 SQUARE INCH ALUMINUM RADIATOR		
103-036	ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE- CHARGED SCA HEAVY DUTY COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		

#### Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
---------	---

#### Transmission Equipment

343-322	ALLISON VOCATIONAL PACKAGE 170 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS AND EVS
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84E-017	S5 PERFORMANCE LIMITING PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84F-016	S5 PERFORMANCE LIMITING SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84G-013	2100 RPM PRIMARY MODE SHIFT SPEED
84H-013	2100 RPM SECONDARY MODE SHIFT SPEED
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
84V-001	DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS
353-022	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB
34C-002	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR MOUNTED BACK OF CAB
362-656	CUSTOMER INSTALLED MUNCIE A20 SERIES PTO
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
<b>Front Axle and Equipment</b>			
400-1AA	MFS-16-143A 16,000# FL1 71.5 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	240	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER	5	
40T-001	MINERAL SAE 80/90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-004	16,000# FLAT LEAF FRONT SUSPENSION	260	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
62G-998	NO FRONT SUSPENSION OPTIONS		
410-998	NO FRONT SHOCK ABSORBERS	-30	
<b>Rear Axle and Equipment</b>			
420-103	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		2,960
421-614	6.14 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	60	60
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
87A-001	BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		10
440-006	REAR OIL SEALS		
426-075	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		20
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-001	MINERAL SAE 80/90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		

### Rear Suspension

622-1E7	HENDRICKSON HAULMAAX @ 46,000# REAR SUSPENSION	330
621-1AP	HENDRICKSON HAULMAAX/ULTIMAAX - 10.50" RIDE HEIGHT	
624-009	54 INCH AXLE SPACING	
628-010	HENDRICKSON HN, HAULMAAX AND ULTIMAAX SERIES STEEL BEAMS WITH BAR PIN	
623-006	FORE/AFT AND TRANSVERSE CONTROL RODS	
439-002	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)	60

### Brake System

490-100	WABCO 4S/4M ABS
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL		
460-001	STEEL AIR BRAKE RESERVOIRS		
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		
<b>Trailer Connections</b>			
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
<b>Wheelbase &amp; Frame</b>			
545-655	6550MM (258 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	710	160
547-001	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	260	440
552-009	3050MM (120 INCH) REAR FRAME OVERHANG		
55W-011	FRAME OVERHANG RANGE: 111 INCH TO 120 INCH	-120	510
549-053	6 INCH INTEGRAL FRONT FRAME EXTENSION WITH 0.25 INCH INSERT	230	-30
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 192.32 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 189.32 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 425.22 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 109.05 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 220.28 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 186.45 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		



**Prepared for:**  
 Edwin Garcia  
 CITY OF DEER PARK  
 710 E SAN AUGUSTINE ST  
 DEER PARK, TX 77536  
 Phone: 281-478-7213



**Prepared by:**  
 Adam Neuse  
 Houston Freightliner  
 9550 North Loop East  
 Houston, TX 77029  
 Phone:

Data Code	Description	Weight Front	Weight Rear
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>			
556-1E5	14 INCH PAINTED STEEL BUMPER		
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
<b>Fuel Tanks</b>			
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	-10	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H3	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
221-001	FUEL COOLER	10	
<b>Tires</b>			
093-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL REAR TIRES		400
<b>Hubs</b>			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
<b>Wheels</b>			
502-433	ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66	

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
505-445	ACCURIDE 29300 22.5X9.00 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS		328
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
495-998	NO PUSHER/TAG WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A5	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTING		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-004	FRONT FENDERS SET-BACK AXLE		
678-001	LH AND RH GRAB HANDLES		
646-041	STATIONARY BLACK GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED		
726-001	SINGLE ELECTRIC HORN		
728-001	SINGLE HORN SHIELD		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-002	KEY QUANTITY OF 2		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS		
302-047	LED AERODYNAMIC MARKER LIGHTS		
294-001	INTEGRAL STOP/TAILOUT/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
659-007	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR		
<b>Cab Interior</b>			
707-1AK	OPAL GRAY VINYL INTERIOR		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-998	NO DASH MOUNTED ASH TRAYS AND LIGHTER		
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
694-010	IN DASH STORAGE BIN		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-006	GRAY/CHARCOAL FLAT DASH		
860-004	SMART SWITCH EXPANSION MODULE		
720-003	5 LB. FIRE EXTINGUISHER	10	
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-014	DOMELIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-235	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-001	FIXED STEERING COLUMN		
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		
<b>Instruments &amp; Controls</b>			
732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
87L-003	ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
721-001	97 DB BACKUP ALARM		3
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-070	ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE		
163-001	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB		
33U-007	CHASSIS MODULE JUMPER AND BRACKET FOR BODY BUILDER TO RELOCATE THE CHASSIS MODULE INTO THE CAB		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

Data Code	Description	Weight Front	Weight Rear
438-001	STEMCO MECHANICAL HUBODOMETER WITH TENTHS LEFT SIDE SINGLE OR FORWARD REAR DRIVE AXLE		2
372-037	(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP - NEUTRAL INTERLOCK	10	
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-998	NO OVERHEAD INSTRUMENT PANEL		
746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-010	TWO ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
882-018	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

#### Design

065-000 PAINT: ONE SOLID COLOR

#### Color

980-3F6 CAB COLOR A: N0006EA WHITE ELITE SS  
986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

**Prepared for:**  
 Edwin Garcia  
 CITY OF DEER PARK  
 710 E SAN AUGUSTINE ST  
 DEER PARK, TX 77536  
 Phone: 281-478-7213



**Prepared by:**  
 Adam Neuse  
 Houston Freightliner  
 9550 North Loop East  
 Houston, TX 77029  
 Phone:

Data Code	Description	Weight Front	Weight Rear
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX		
963-003	STANDARD E COAT/UNDERCOATING		

#### Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
---------	---

#### Secondary Factory Options

998-001	CORPORATE PDI CENTER IN-SERVICE ONLY
---------	--------------------------------------

#### Raw Performance Data

AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 189.32 in
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 186.45 in

#### Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

### TOTAL VEHICLE SUMMARY

#### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	8847 lbs	9076 lbs	17923 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight <sup>+</sup>	8847 lbs	9076 lbs	17923 lbs

#### Dealer Installed Options

	Weight Front	Weight Rear
PALFINGER M13A80	0	0
Total Dealer Installed Options	0 lbs	0 lbs

**Prepared for:**  
Edwin Garcia  
CITY OF DEER PARK  
710 E SAN AUGUSTINE ST  
DEER PARK, TX 77536  
Phone: 281-478-7213



**Prepared by:**  
Adam Neuse  
Houston Freightliner  
9550 North Loop East  
Houston, TX 77029  
Phone:

(+) Weights shown are estimates only.  
If weight is critical, contact Customer Application Engineering.

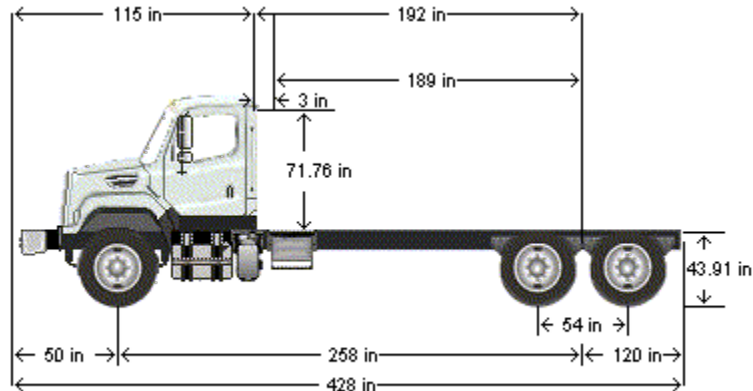
(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

**Prepared for:**  
 Edwin Garcia  
 CITY OF DEER PARK  
 710 E SAN AUGUSTINE ST  
 DEER PARK, TX 77536  
 Phone: 281-478-7213



**Prepared by:**  
 Adam Neuse  
 Houston Freightliner  
 9550 North Loop East  
 Houston, TX 77029  
 Phone:

## D I M E N S I O N S



### VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Wheelbase (545)	6550MM (258 INCH) WHEELBASE
Rear Frame Overhang (552)	3050MM (120 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES



**Prepared for:**  
 Edwin Garcia  
 CITY OF DEER PARK  
 710 E SAN AUGUSTINE ST  
 DEER PARK, TX 77536  
 Phone: 281-478-7213



**Prepared by:**  
 Adam Neuse  
 Houston Freightliner  
 9550 North Loop East  
 Houston, TX 77029  
 Phone:

## TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	115.3
Bumper to Centerline of Front Axle (BA)	49.8
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	192.3
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	189.3
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	312.4
Cab Height (CH)	71.8
Wheelbase (WB)	257.9
Frame Overhang (OH)	120.1
Overall Frame Length	425.2
Overall Length (OAL)	427.8
Rear Axle Spacing	54.0
Unladen Frame Height at Centerline of Rear Axle	43.9

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.