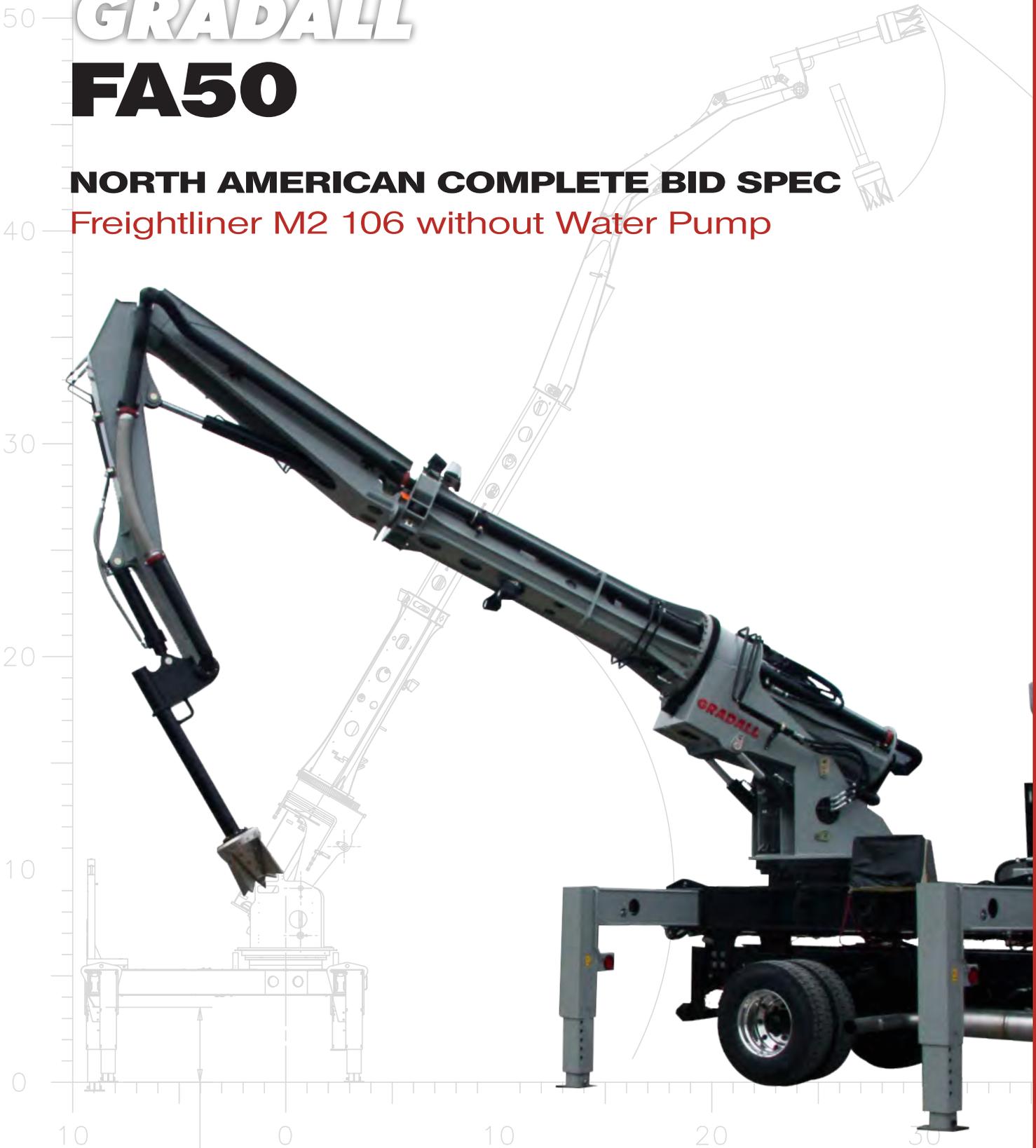


GRADALL®

FA50

NORTH AMERICAN COMPLETE BID SPEC

Freightliner M2 106 without Water Pump



42.270 LOADED CHASSIS HEIGHT

F1077-01

GRADALL®

FA50

FIREFIGHTING APPARATUS



SPECIFICATIONS

System Specifications

Thirteen cylinders

- 1 tool: 4.75" ID, 3.0" rod (120 mm x 76 mm), 18.75" (476 mm) stroke.
- 2 hoist: 4.75" ID, 3.0" rod (120 mm x 76 mm), 18.75" (476 mm) stroke.
- 1 telescope: 3.5" ID, 2.559" rod (89 mm x 65 mm), 11' (3.35 m) stroke.
- 1 jib: 4.75" ID, 3.0" rod (120 mm x 76 mm), 4'8" (1.42 m) stroke.
- 4 outriggers extend and retract: 2.0" ID, 1.25" rod (51 mm x 32 mm), 4'6" (1.37 m) stroke.
- 4 outriggers up and down: 3.5" ID, 2.559" rod (89 mm x 65 mm), 24" (610 mm) stroke.

Two hydraulic motors

Swing, 20hp (15 kW); tilt, 20 hp (15 kW);

Operating pressures:

Hoist	4,000 psi	(276 BAR)
Tilt.....	2,600 psi	(179 BAR)
Swing.....	0,000 psi	(000 BAR)
Tool.....	4,000 psi	(276 BAR)
Telescope.....	4,000 psi	(276 BAR)
Jib.....	4,000 psi	(276 BAR)
Outriggers extend	2,600 psi	(179 BAR)
Outriggers retract.....	4,000 psi	(276 BAR)
Outriggers up.....	4,000 psi	(276 BAR)
Outriggers down	4,000 psi	(276 BAR)

Oil Capacity

Reservoir and hydraulic system capacity is 55 gallons (208 L). Pressurized reservoir with visual oil level gauges.

Filtration System

10 micron return filter in tank

Pressure-compensated, load-sensing valves with circuit reliefs in all circuits.

0 to 42 GPM (160 L/Min) up to 4000 psi

Hydraulic System

PUMPS

Variable displace pressure compensating piston pump; Oil flow 0-42 GPM (0-160 L/min)

Overload indicator strobe light & audio system

Emergency pump and motor powered by chassis electrical system (12 volt or 24volt)

Manual control levers on the main hydraulic control valve assembly for upperstructure control and manual control levers on the outrigger valve assembly for outrigger controls.

Fin and tube-type oil cooler with thermal by-pass and relief valves.

Electrical System

A 12 volt electrical system is supplied by the main power supply of the chassis. A 24 volt system is optional on international chassis

Outriggers

Four independently operated or simultaneously operated outriggers. The outrigger legs extend and retract and move up and down for precise placement. Marker lights and flood lights are supplied for night operation.

Radio Remote Control

All upperstructure functions and outrigger functions are controlled by a radio remote control pack. The operator can control the FA50 from up to 300' (92 m).

Work Lights

Four high intensity work lights, two mounted on top of the main boom and two mounted on the bottom of the main boom.

Waterway

The 4' anodized aluminum waterway routes through the center pin, cradle and boom and connects to the adaptor for the Fifth Man piercing water cannon.

Fifth Man piercing water cannon capable of flowing water 1500 GPM and 120 psi. The Fifth Man cannon can also flow Class "A" and Class "B" foam.

Approximate working weight with attachment. Weight 23,000 lb (10,433 kg)

Optional Equipment

Lifting Eye for Fifth Man

Water Cannon for Fifth Man

UL Stage One Certification (Not the entire truck)

Hydraulic Pump (Depending on chassis spec)

PTO (Depending on chassis spec)

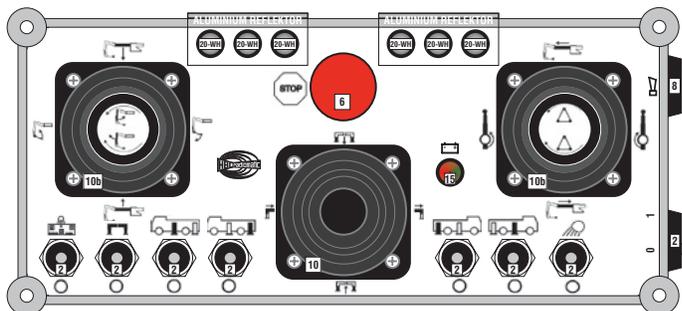
Swing

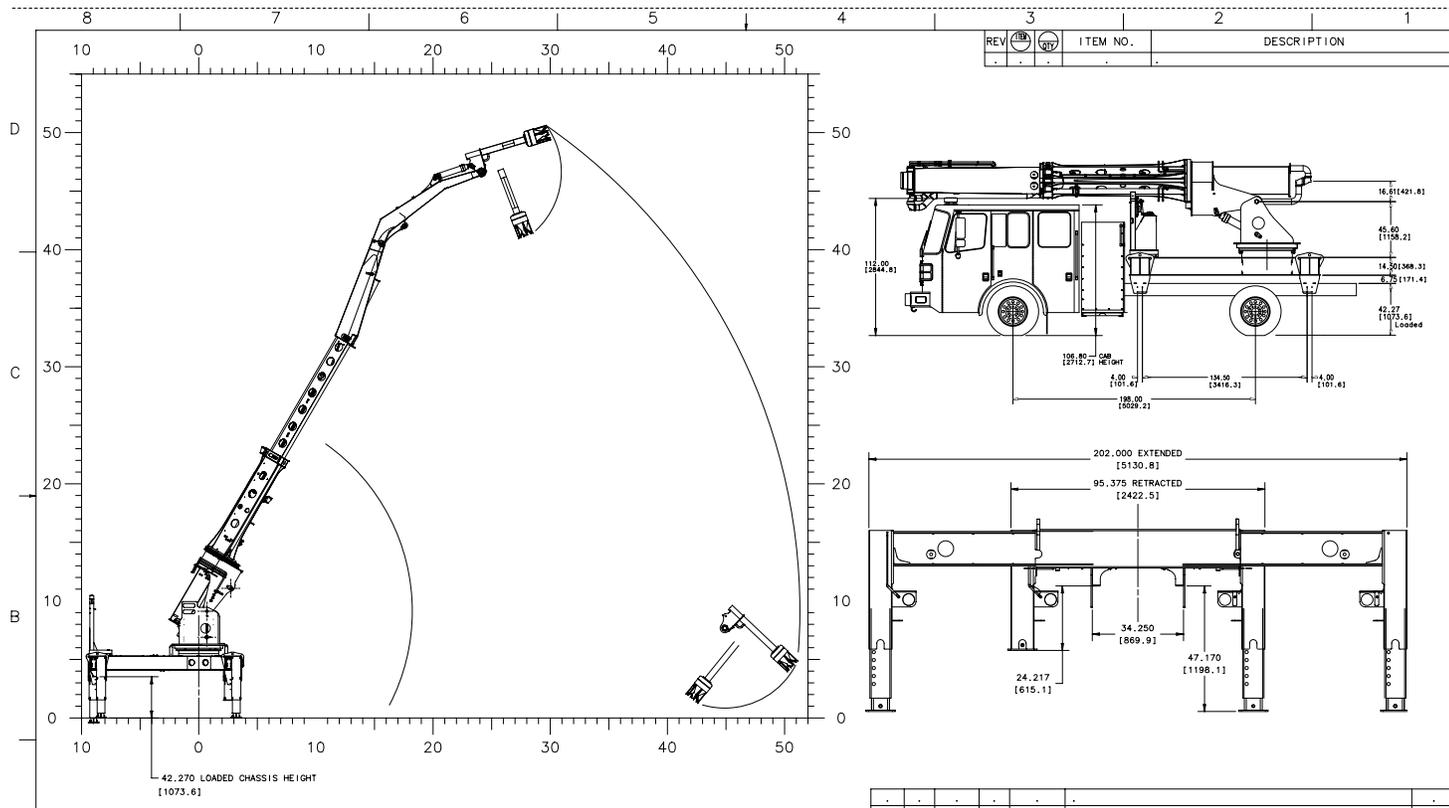
Planetary transmission.

Swing speed: 1.0 rpm.

Swing Brake

Automatic spring-set/hydraulic release wet disc parking brake. Dynamic braking is provided by the hydraulic system.





Positioning Machine

The machine must be on a firm, level surface with outriggers completely extended and lowered when making a lift.

The shorter the load radius, the greater the lift capacity. Position the unit to minimize boom extension and swing while keeping adequate distance from obstructions.

Rated Lift Capacity Chart

BOOM CONFIGURATION	NOZZLE LIFT EYE	PIERCING ADAPTER LIFT EYE	TELESCOPE BOOM LIFT EYE
BOOM AT ANY ANGLE/ CONFIGURATION	730 (331)	820 (372)	1490 (676)
TELESCOPE BOOM FULLY RETRACTED BOOM AT ANY ANGLE STICK AND ADAPTER IN ANY CONFIGURATION	1838 (83)	2225 (1009)	5400 (2449)
TELESCOPE BOOM FULLY RETRACTED BOOM AT ANY ANGLE STICK AT 90 DEGREES TO TELESCOPE BOOM ADAPTER FULLY CLOSED (cylinder fully extended)	2750 (1247)	2750 (1247)	6100 (2767)

Note: Values in lift chart above are with the outriggers in 'long-jack' configuration. The values are not valid for lifting with outriggers in 'short-jack' configuration.

GRADALL®

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 Printed in USA

It is Gradall Policy to continually improve its products. Therefore designs, materials and specifications are subject to change without notice and without incurring any liability on units already sold. Units shown may have optional equipment.

1. BODY AND CABINETS

- 1.1 The body shall be constructed of aluminum material. The exterior of the body shall be finished smoothly with symmetrically squared corners and edges presenting a modern aerodynamic appearance.
- 1.2 All parts of the body and attachments shall be fastened with stainless steel fasteners.
- 1.3 The body shall be so designed and assembled to allow for removal of a complete side in the event of major accidental damage.
- 1.4 The Rescue style body provides a total of 168.9 cubic feet of storage.

2. COMPARTMENTS

- 2.1 The subframe for the compartments shall be on each side of the unit constructed of 6061-T6 aluminum rectangular tubing. The body subframe shall be bolted to the subframe of the Strongarm. Rubber belting shall be secured between the body subframe and the chassis frame. Barrier tape shall be used on all dissimilar metals. The purpose of this style construction is to reduce load stress on the cabinets and doors.
- 2.2 Compartment walls shall be constructed of .160 and floors of .190 aluminum material. They shall be of true modular design so in the event of major damage, either side can be replaced without requiring cutting from the tank or substructure.
- 2.3 One (1) Large Compartment constructed of aluminum material extending the height of the body shall be on each side in the forward of the outrigger. It shall have a front through box on the upper half that will transverse from side-to-side. The Driver Side Compartment shall contain the Water Supply panel to the Strongarm. This panel will contain the supply inlet terminating with a threaded fitting. (Inlet size and fitting to be specified.) The inlet shall have a pressure gauge and a 3/4" drain valve.
- 2.4 Two (2) Compartments constructed of aluminum material shall be on each side of the apparatus above the rear tandems. There shall be a section of Channel Board installed on the back wall of the Compartments. This Channel Board is a durable polyethylene plastic mounting board that allows custom arrangement of brackets.
- 2.5 One (1) rear compartment extending the height of the body that will allow access to the emergency manual controls for the Strongarm.
- 2.6 All compartments shall have a louvered vent. There shall also be an LED light inside the compartments to light their interior.
- 2.7 There shall be one (1) compartment in wheel well each side to contain one-wheel chock and one SCBA bottle. **The wheel chock is included, the SCBA bottle is not.** The door to this compartment is of flat design and constructed of 14 grade stainless steel with stainless steel hinges.

- 2.8 One (1) level decking constructed of .125 embossed polished aluminum diamond plate (which is NFPA Compliant material). The decking shall have a formed drip rail on the outside edge. They shall extend the length of the body each side.
- 2.9 All doors shall be *Gortite Roll Up Doors* constructed of aluminum extrusions with individually replaceable slats. The lift bar is stainless steel and seals are Santoprene, or equal, material which has a high resistance to UV's and adjusts to both cold and hot temperatures. The 3" diameter take up roller minimizes header height and rib design minimizes equipment hang ups. They have a quiet idler roller. The magnetic door ajar switches allow operator to know instantly if door is not securely closed.

3. REAR TAILBOARD/BUMPER

- 3.1 The Rear Tailboard/Bumper shall be constructed of 4" ship & car channel, ½" wall thickness iron sub-frame. The sub-frame and two (2) rear tow hooks shall be welded to the ½" ship and car channel for added strength. The bumper shall extend past any part that projects from the apparatus but not to exceed 24" in depth. The step area shall be of aluminum grating and the back splash shall be covered with .160 smooth aluminum with a diamond plate kick panel. The tailboard/bumper and tow hooks are designed to support the towing weight of an empty truck.

4. HANDRAIL AND LADDER

- 4.1 One (1) handrails of 1¼" diameter aluminum tube with grip inserts shall be mounted on the top-rear of the body.
- 4.2 One (1) Ladder to the right of the rear compartment shall extend to the upper deck for access to the Strongarm.

5. ELECTRICAL AND AIR SYSTEM

- 5.1 All wiring for the apparatus body shall be cross link *SXL SAE J1128* wiring and placed within a temperature resistant loom. All wires in each loom will be color coded and numbered for positive identification.
- 5.2 All electrical items installed by the manufacturer must be protected by circuit breakers in the console of the cab.
- 5.3 All accessory/emergency lighting shall be controlled by a *Freightliner SmartPlex (35M-004, 44R-010, 44T-002)* and control panel in the cab, convenient to the Driver and/or officer. All lighted rocker switches are to be heavy duty rated to service maximum imposed electrical load by the manufacturer.
- 5.4 Three sealed waterproof electrical junction boxes shall contain all of the wiring connections and shall be located, 1 in the front and 2 at the rear of the chassis.

6. EMERGENCY LIGHTING, SIREN, SPEAKER

- 6.1 One (1) NFPA *Whelen Justice LED* full light bar with Red domes and two (2) Clear center domes for traffic clearing shall be mounted on the cab roof.
- 6.2 There shall be two (2) *Whelen LED L31HRFN Rotary Red Beacons*, mounted on each side of the rear.
- 6.3 The Siren shall be *Whelen 295SLSA1*, or equivalent, with a *Whelen SA315A* Speaker, or equivalent, mounted at grill or bumper level.
- 6.4 There shall be NFPA Compliant Lights: two (2) 3"x7" red LED alternating lights mounted in grill at automotive window height, three (3) on EACH side, and two (2) on the rear of the apparatus. (**TOTAL of 10**).
- 6.5 The above will be controlled at the control panel in the cab.

7. ICC, WORKING, PUMP, AND COMPARTMENT LIGHTS

- 7.1 All ICC Reflector and Clearance lights shall be installed and located according to DOT specifications.
- 7.2 Six (6) *Whelen LED Scene Lights*, or equal, shall be mounted one (1) on each top rear-side of the apparatus and two (2) on each side of the apparatus above the outriggers. They shall be controlled at the master console.
- 7.3 Adequate LED lighting shall be in each door. They shall automatically activate when door is in an open or raised position to illuminate compartment and work area in front of the door. There shall also be adequate LED lighting installed on the vertical door jambs to light the interior of the compartment. They shall be controlled by the same automatic switches and automatically operate when the truck is in reverse and when parking brake is engaged.
- 7.4 There shall be six (6) LED *Ground Lights*, one (1) under each cab step, one (1) under Large Front Compartment on each side, and one (1) under rear bumper on each side. Each ground light is at **650 Lumens per light for a total of 3,900 Lumens**. The lights shall illuminate when parking brake is set.
- 7.5 There shall be one (1) of each 7" round LED Red Stop/Tail and Turn and LED Back Up Light mounted on each side of the rear of the apparatus.
- 7.6 There shall be a Door Ajar flashing warning light and buzzer in cab to signal when any side or the center rear compartment door is open or power bracket is not stowed. This system shall only operate when the parking brake is released.

8. STRIPING

8.1 A Four-Inch-Wide Reflective Decal Stripe with 1” stripe above and below the 4” stripe and ½” space between shall be installed around the perimeter of the apparatus not over 60” above ground level.

***** Department to Specify Color. *****

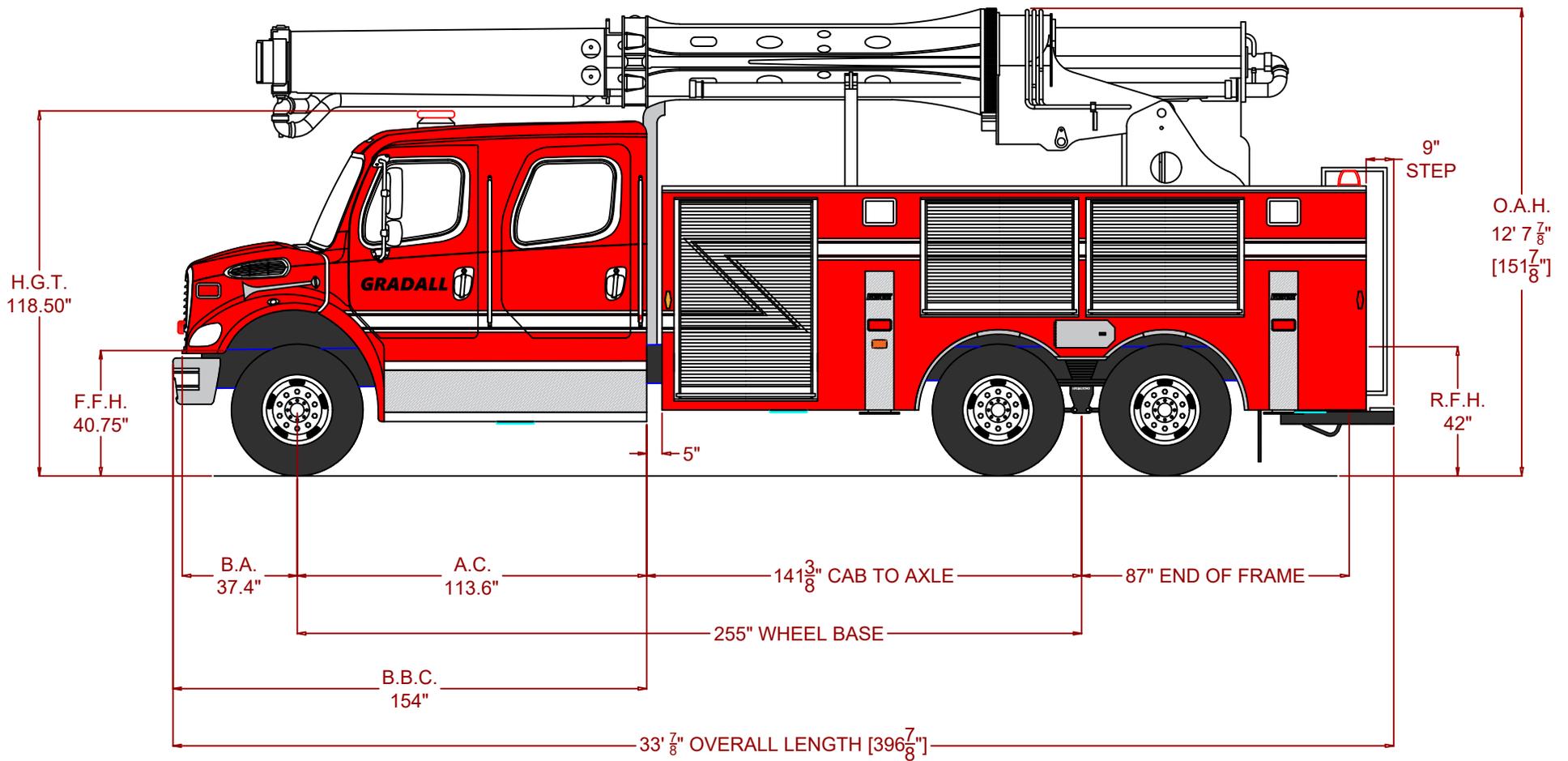
8.2 Alternating 6” Wide Red and Yellow Reflective Chevron Stripe shall be placed on the rear of the apparatus and interior cab doors per NFPA regulations.

8.3 The interior of the compartments shall not be painted.

9. MISCELLANEOUS

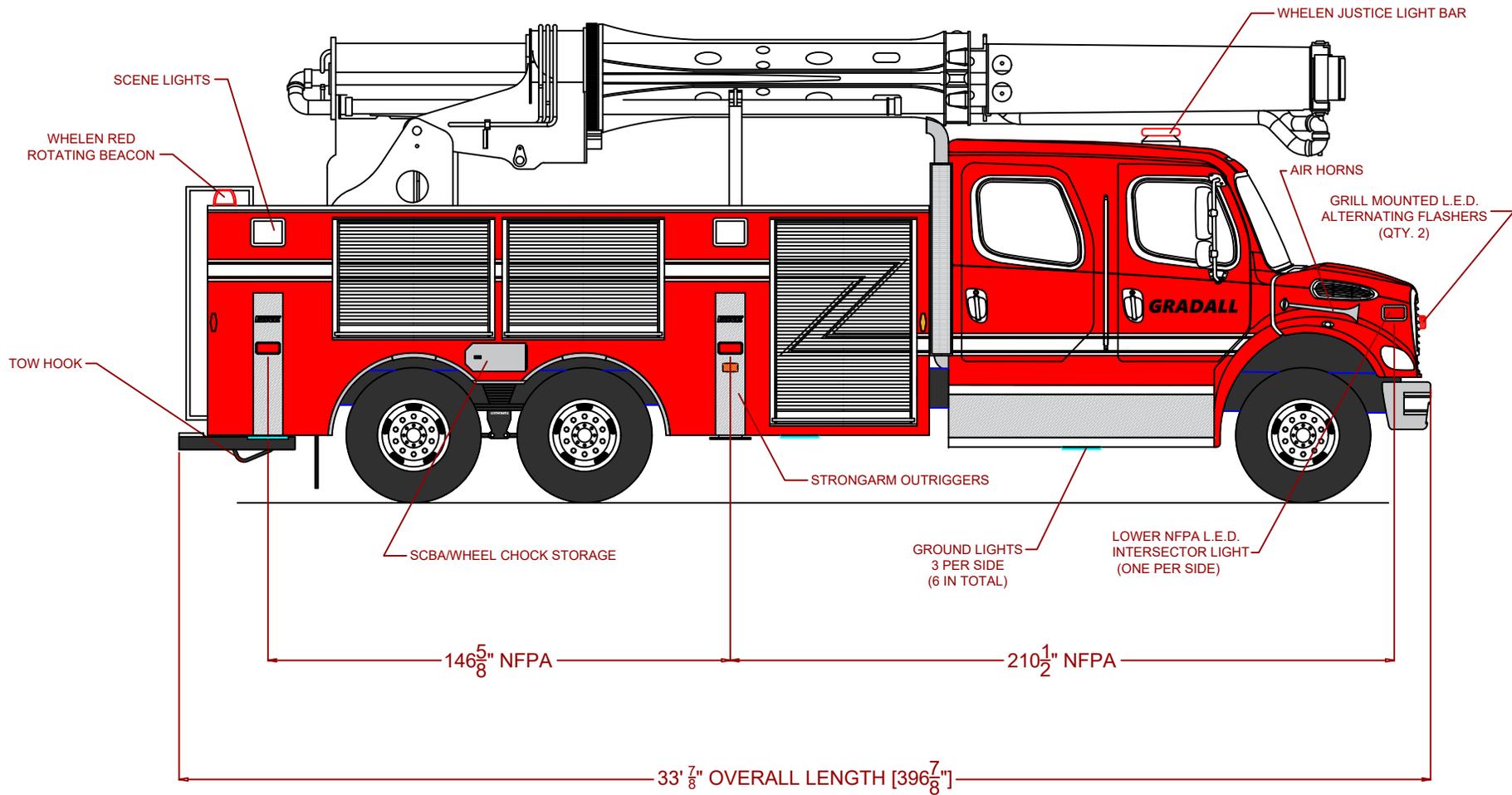
9.1 Mud Flaps shall be installed behind the front and rear wheels.

9.2 One (1) Color Monitor and one (1) Camera with Night Vision shall be installed. The Monitor shall be mounted in the cab visible to the driver. The Camera shall be mounted at the top rear of the. The camera shall automatically turn on when chassis is placed in reverse.



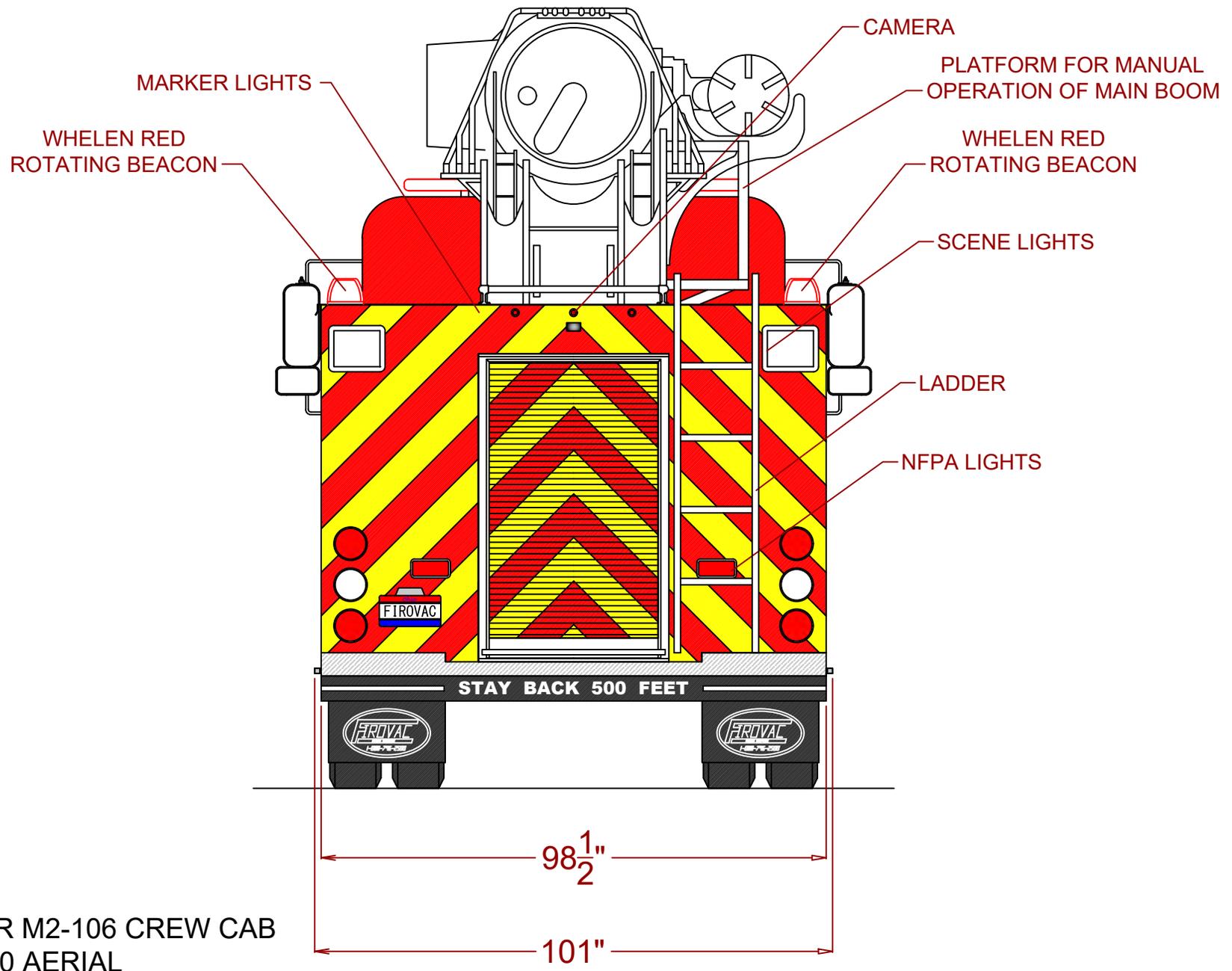
FREIGHTLINER M2-106 CREW CAB
GRADALL FA50 AERIAL
MODULAR ALUM. RESCUE BODY

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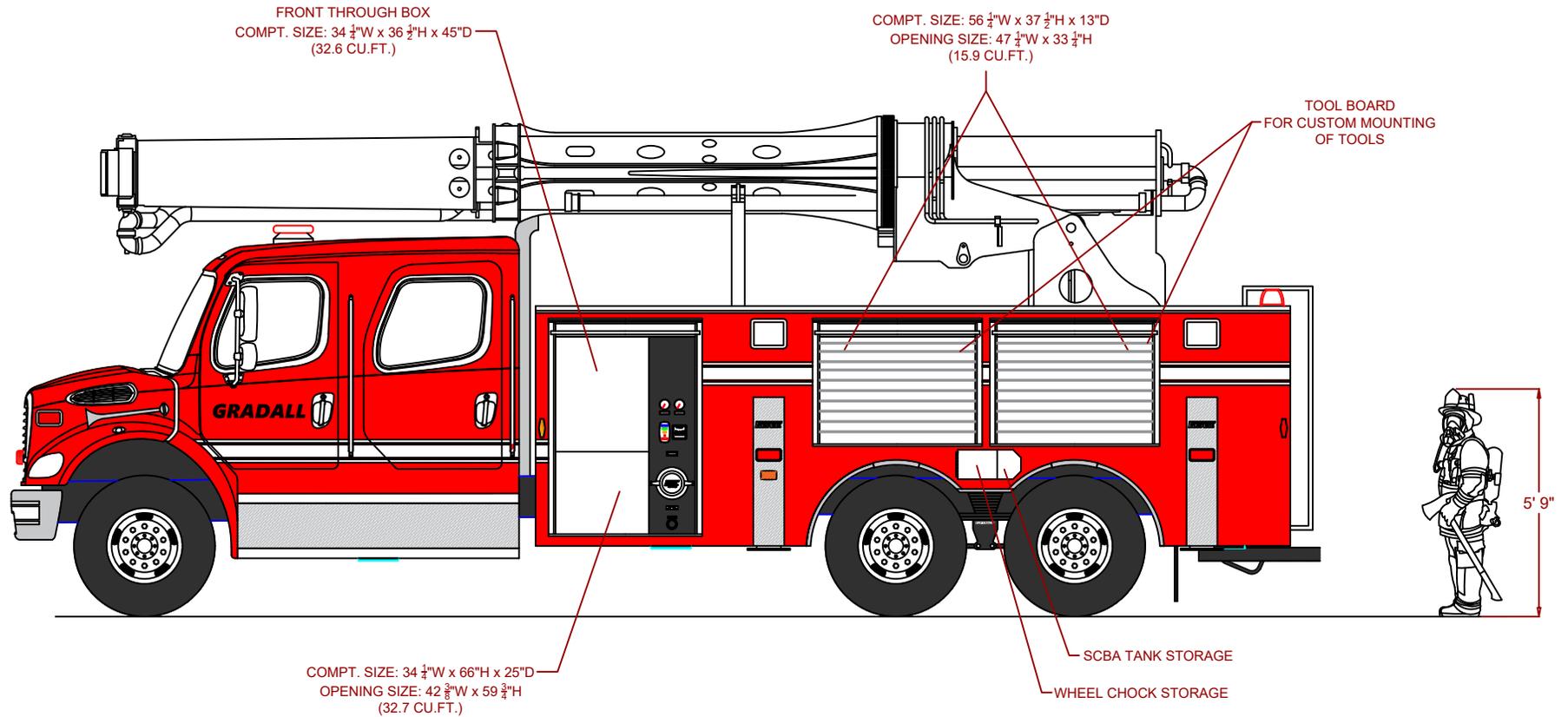
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USABLE STORAGE ON DRIVERS SIDE (LEFT SIDE) = 97.1 CU.FT.

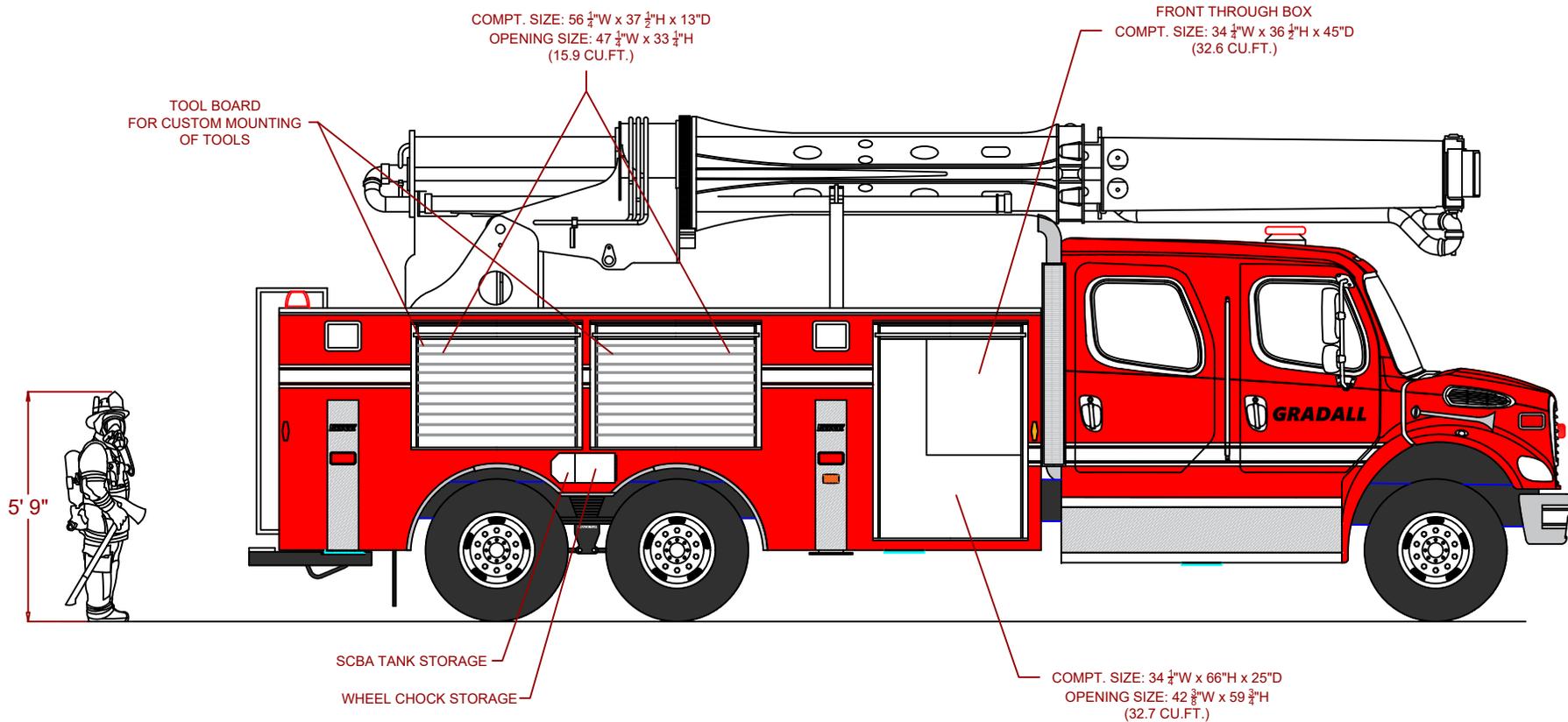
USABLE STORAGE ON PASSENGERS SIDE (RIGHT SIDE) = 64.5 CU.FT.

USABLE STORAGE IN REAR = 7.3 CU.FT.

USABLE TOTAL STORAGE IN TRUCK = 168.9 CU.FT.

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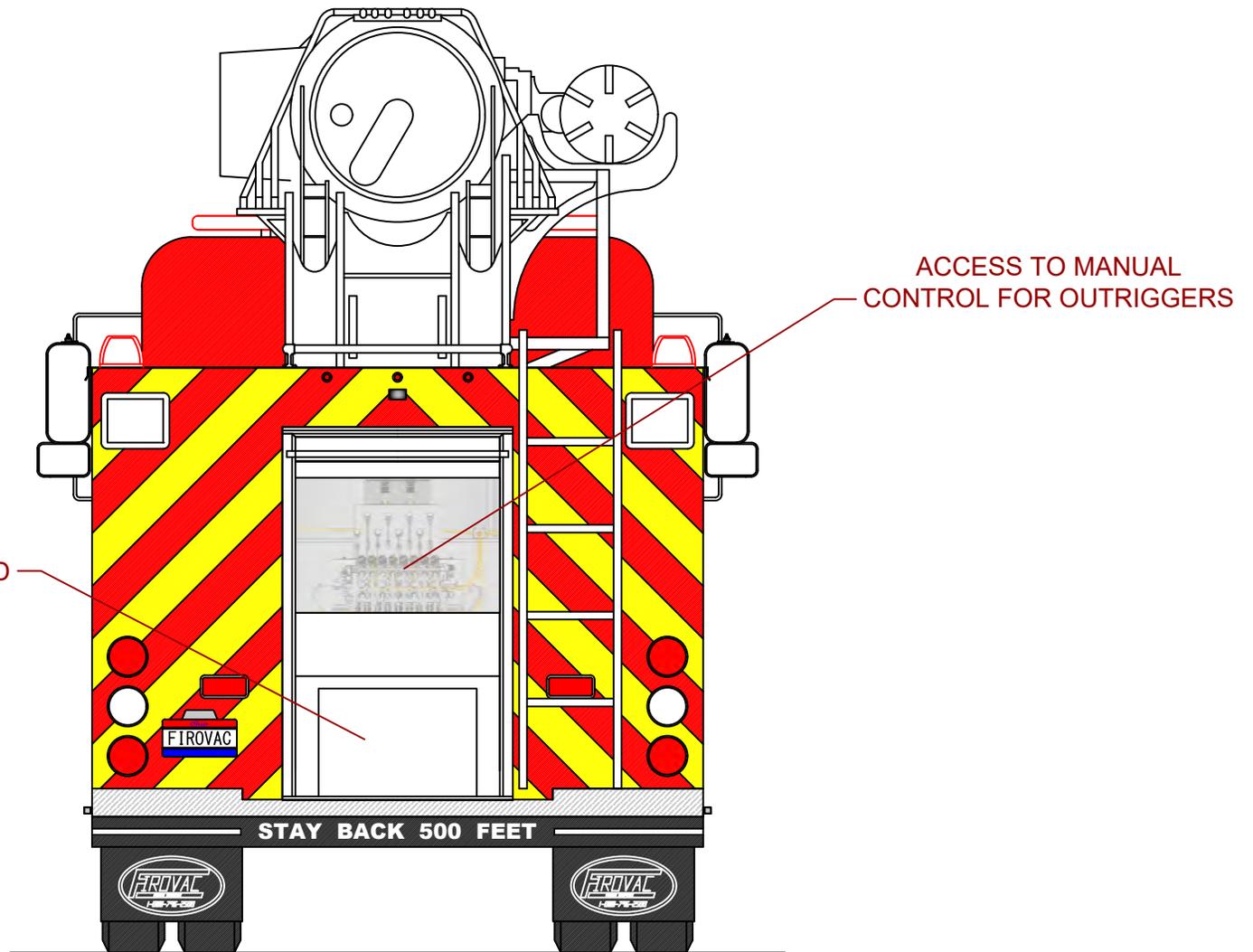
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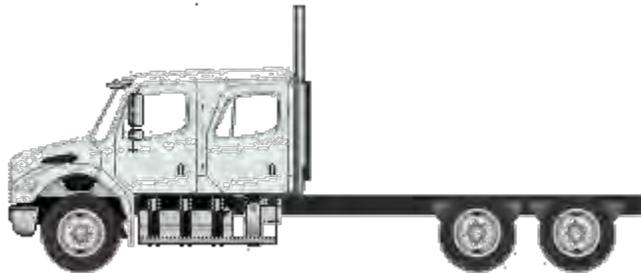
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A proposal for
Alamo Gradall Industries Inc U70473

Oct 26, 2020

Freightliner M2 106



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

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	
Price Level				
PRL-23M	M2 PRL-23M (EFF:01/21/20)			
Data Version				
DRL-039	SPECPRO21 DATA RELEASE VER 039			
Vehicle Configuration				
**	001-172	M2 106 CONVENTIONAL CHASSIS	5,709	3,503
**	004-222	2022 MODEL YEAR SPECIFIED		
	002-004	SET BACK AXLE - TRUCK		
	019-002	STRAIGHT TRUCK PROVISION		
	003-001	LH PRIMARY STEERING LOCATION		
General Service				
	AA1-002	TRUCK CONFIGURATION		
**	AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
**	A85-006	RESCUE AND EMERGENCY SERVICE		
**	A84-1EV	EMERGENCY VEHICLES BUSINESS SEGMENT		
	AA4-002	LIQUID BULK COMMODITY MAY WANT TO CHANGE THIS TO CRANE OR OTHER		
	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		
	995-091	MEDIUM TRUCK WARRANTY		
**	A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
**	A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
**	A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 58000.0 lbs		
Truck Service				
**	AA3-003	TANK BODY MAY WANT TO CHANGE THIS TO CRANE OR OTHER		
**	AF3-1V5	GRADALL		
	AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine				
**	101-3B0	CUM L9 360EV HP @ 2200 RPM, 2200 GOV RPM, 1150 LB-FT @ 1200 RPM, R/F/E	640	30
Electronic Parameters				

	Data Code	Description	Weight Front	Weight Rear
	79A-075	75 MPH ROAD SPEED LIMIT		
	79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
	79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
	79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
	79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
	79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
	79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
N	80G-002	PTO MINIMUM RPM - 700		
**	80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		

Engine Equipment

	99C-021	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG21 CONFIGURATION		
**	99D-012	2008 CARB EMISSION CERTIFICATION - EXEMPTED VEHICLE; NO CLEAN IDLE LABEL REQUIRED		
	13E-001	STANDARD OIL PAN		
	105-001	ENGINE MOUNTED OIL CHECK AND FILL		
**	014-1BX	SIDE OF HOOD AIR INTAKE WITH NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT DONALDSON AIR CLEANER		
**	124-1E7	DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE	10	
**	292-222	(3) DTNA GENUINE, HIGH TEMP AGM STARTING AND CYCLING, MIN 2775CCA, 570RC, THREADED STUD BATTERIES	55	20
**	290-017	BATTERY BOX FRAME MOUNTED		
	281-001	STANDARD BATTERY JUMPERS		
**	282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		
**	291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
	289-001	NON-POLISHED BATTERY BOX COVER		
**	87P-001	CAB AUXILIARY POWER CABLE	5	
**	293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
**	107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
	108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
	131-013	AIR COMPRESSOR DISCHARGE LINE		
**	152-039	GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING		
**	128-076	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20	

	Data Code	Description	Weight Front	Weight Rear
**	016-1DE	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH C-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
*	28F-007	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH		
**	239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT MAY WANT TO CHANGE THIS TO 239-200 SHORT STACK		
**	233-017	STANDARD CURVE BRIGHT UPPER STACK(S)		
**	237-1D0	RH CURVED VERTICAL TAILPIPE C-PILLAR MOUNTED ROUTED FROM STEP		
**	23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
**	30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
**	43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
	23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
	43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
**	242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
	273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
**	276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED ADD DASH SWITCH		
	110-003	CUMMINS SPIN ON FUEL FILTER		
	118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
	266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70	
	103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
	171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
	172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
	270-016	RADIATOR DRAIN VALVE		
	168-002	LOWER RADIATOR GUARD		
**	138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
**	140-038	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR WITH CURRENT SENSOR LIGHT		
	134-001	ALUMINUM FLYWHEEL HOUSING		
	132-004	ELECTRIC GRID AIR INTAKE WARMER		

Data Code	Description	Weight Front	Weight Rear
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
**	342-1KD	ALLISON 3000 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200 60
Transmission Equipment			
**	343-331	ALLISON VOCATIONAL PACKAGE 198 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL EVS CHECK W-ENG'G ON THIS.	
**	84B-003	ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE 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-014	2200 RPM PRIMARY MODE SHIFT SPEED	
	84H-014	2200 RPM SECONDARY MODE SHIFT SPEED	
	84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE	
	84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE	
	84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED	
	84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES	
**	353-023	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT END OF FRAME CHECK W-ENGINEERING SEE IF THEY WANT EOF OR BOC.	
**	34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED	
**	362-824	(2) CUSTOMER INSTALLED CHELSEA 280 SERIES PTO'S	
**	363-011	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION	
	341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN	

	Data Code	Description	Weight Front	Weight Rear
**	345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
	97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
	370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
	346-013	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP		
**	35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

**	400-1AB	MFS-18-133A 18,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	250	
	402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
**	403-026	FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING		
	419-001	CAST IRON OUTBOARD 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		
	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-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		

Front Suspension

**	620-025	20,000# TAPERLEAF FRONT SUSPENSION	200	
	619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
**	410-001	FRONT SHOCK ABSORBERS		

Rear Axle and Equipment

**	420-1K3	MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE		2,500
**	421-614	6.14 REAR AXLE RATIO		
**	424-003	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING		30
**	386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	40	40

Data Code	Description	Weight Front	Weight Rear
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
393-001	DRIVELINE GUARD	25	25
** 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		
** 433-025	FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING		
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS		-20
** 425-002	REAR BRAKE DUST SHIELDS		10
440-006	REAR OIL SEALS		
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS		20
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
** 41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		

Rear Suspension

** 622-297	TUFTRAC GEN2 40,000# REAR SPRING SUSPENSION		815
621-108	9.5 INCH NOMINAL RIDE HEIGHT (460MM GLOBAL REFERENCE HEIGHT)		
431-003	AXLE CLAMPING GROUP		
** 624-025	55 INCH AXLE SPACING		
623-006	FORE/AFT AND TRANSVERSE CONTROL RODS		
** 439-002	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)		40

Brake System

018-002	AIR BRAKE PACKAGE		
490-121	WABCO 4S/4M ABS WITH TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		

Data Code	Description	Weight Front	Weight Rear
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		
** 479-012	AIR DRYER MOUNTED UNDER HOOD		
** 460-001	STEEL AIR BRAKE RESERVOIRS CONFIRM REQUIRED LOCATION WITH ENGINEERING BEFORE ORDER.		
** 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)		

Trailer Connections

335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT		

Wheelbase & Frame

** 545-647	6475MM (255 INCH) WHEELBASE CONFIRM W-ENGINEERING BEFORE ORDER.		
** 546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	520	320
** 547-001	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	210	440
** 552-076	2925MM (115 INCH) REAR FRAME OVERHANG CONFIRM W-ENGINEERING BEFORE ORDER.		
55W-011	FRAME OVERHANG RANGE: 111 INCH TO 120 INCH	-120	510
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 142.13 in CONFIRM W-ENGINEERING BEFORE ORDER.		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 139.13 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 399.51		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 91.35 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 147.52 in		
** AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 142.21 in CONFIRM W-ENGINEERING BEFORE ORDER.		
** 553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		

	Data Code	Description	Weight Front	Weight Rear
	572-001	STANDARD REAR MOST CROSSMEMBER		
	565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		30
Chassis Equipment				
**	556-1A5	THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS AND LH AND RH WING CUTOUTS FOR CAST PRODUCTS SA3502 SPEAKERS	30	
**	558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
	574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
	586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
**	551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
**	605-103	D15-28195-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON TOP FLANGE OF FRAME		
Fuel Tanks				
**	204-034	80 GALLON/302 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	40	10
**	218-005	RECTANGULAR FUEL TANK(S)		
	215-004	POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
**	212-007	FUEL TANK(S) FORWARD		
	664-004	POLISHED STAINLESS STEEL STEP FINISH		
	205-001	FUEL TANK CAP(S)		
**	122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER	-5	
	216-020	EQUIFLO INBOARD FUEL SYSTEM		
	202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
**	213-001	INSULATION FOR FUEL LINES	2	
Tires				
**	093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
**	094-1UY	MICHELIN X MULTI D 11R22.5 16 PLY RADIAL REAR TIRES		120
Hubs				
	418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
	450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels				
**	502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	

	Data Code	Description	Weight Front	Weight Rear
**	505-693	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-200
	496-011	FRONT WHEEL MOUNTING NUTS		
	497-011	REAR WHEEL MOUNTING NUTS		
Cab Exterior				
**	829-079	154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB	430	250
	650-008	AIR CAB MOUNTING		
**	705-012	CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS	2	
	648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
**	678-067	SAFETY YELLOW LH AND RH INTERIOR GRAB HANDLES AND LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT		
**	646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE		
**	65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
	644-004	FIBERGLASS HOOD		
**	690-016	CAB FLOOR, TOE BOARD AND FIREWALL HEAT SHIELD	5	
**	727-1B0	DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS	8	
**	726-002	DUAL ELECTRIC HORNS		
**	728-002	DUAL HORN SHIELDS		
**	657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
**	78G-004	KEY QUANTITY OF 4		
	575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
**	312-038	INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL		
	302-047	LED AERODYNAMIC MARKER LIGHTS		
	294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
	300-015	STANDARD FRONT TURN SIGNAL LAMPS		
**	469-014	AUTOMATIC ON/OFF, ENGINE COMPARTMENT, HOOD ACTIVATED WORK LIGHT WITH MANUAL OVERRIDE	1	
**	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		
**	677-055	RH AFTERTREATMENT SYSTEM CAB ACCESS WITH POLISHED DIAMOND PLATE COVER		

	Data Code	Description	Weight Front	Weight Rear
**	275-061	ELECTRIC HORN WARNING SYSTEM FOR PARK BRAKE NOT SET WITH DOOR OPEN AND ALL IGNITION KEY POSITIONS		
**	764-010	COMPOSITE EXTERIOR SUN VISOR	10	
	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	4
	663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
	659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		

Cab Interior

	707-1AK	OPAL GRAY VINYL INTERIOR		
**	706-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
**	708-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
	772-006	BLACK MATS WITH SINGLE INSULATION		
	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		
**	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		
**	739-034	PREMIUM INSULATION		
	285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
	280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
**	324-047	DOOR ACTIVATED DOME/RED MAP LIGHTS, FORWARD LH AND RH AND REAR LH, RH AND CENTER		
**	655-005	LH AND RH ELECTRIC DOOR LOCKS		
**	284-045	(2) 12 VOLT POWER RECEPTACLES MOUNTED IN DASH		

	Data Code	Description	Weight Front	Weight Rear
**	722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
**	756-1E7	SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION DRIVER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	50	
**	760-1E8	SEATS INC 911 UNIVERSAL SERIES SCBA HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	40	15
**	762-086	SEATS INC 911 UNIVERSAL SCBA NON SUSPENSION LH AND RH REAR PASSENGER SEATS WITH UNDER SEAT STORAGE AND NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	140	40
	711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
**	758-036	VINYL WITH VINYL INSERT DRIVER SEAT		
**	761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
**	755-036	VINYL WITH VINYL INSERT REAR PASSENGER SEAT		
**	763-105	NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS		
**	532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
	540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
	765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

	732-004	GRAY DRIVER INSTRUMENT PANEL		
	734-004	GRAY CENTER INSTRUMENT PANEL		
	87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
	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		

	Data Code	Description	Weight Front	Weight Rear
**	148-074	ENGINE REMOTE INTERFACE NOT CONFIGURED		
**	163-004	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT		
	856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
	864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
	830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
**	372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
	852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
	679-001	OVERHEAD INSTRUMENT PANEL		
**	35M-004	SMARTPLEX HUB MODULE WITH OVERHEAD SWITCH MOUNTING, CENTER CONSOLE (12 SWITCH SLOTS, NO CB)	44	
**	786-119	NFPA VEHICLE DATA RECORDER AND SEATBELT DISPLAY		
**	746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10	
	747-001	DASH MOUNTED RADIO		
	750-002	(2) RADIO SPEAKERS IN CAB		
**	753-008	AM/FM ANTENNA MOUNTED ON LH SIDE MIRROR CHECK W-ENG'G		
**	74D-002	RADIO WIRING WITH POWER CUTOFF WHEN VEHICLE IN REVERSE GEAR		
	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		
**	44R-010	10 ON/OFF LATCHING SMARTPLEX SWITCHES		
**	44T-002	2 ON/OFF/ON LATCHING SMARTPLEX SWITCHES		
**	264-014	(2) FOOT SWITCHES: (1) OFFICER AIR HORN AND (1) DRIVER AIR HORN		
	836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
	660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
	304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
**	27D-004	ALTERNATING FLASHING HEADLAMP SYSTEM WITH BODY BUILDER CONTROLLED ENGAGEMENT		
	882-018	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		

Data Code	Description	Weight Front	Weight Rear
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

****** 980-5F6 CAB COLOR A: L0006EY WHITE ELITE EY
CONFIRM REQUIRED COLOR W-MIKE N. BEFORE ORDER.

986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

976-995 SUNVISOR PAINTED SAME AS CAB COLOR A

963-003 STANDARD E COAT/UNDERCOATING

Certification / Compliance

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

Raw Performance Data

****** AE8-99D CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 139.13 in

****** AM6-99D CALC'D SPACE AVAILABLE FOR DECKPLATE : 142.21 in

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	8842 lbs	8670 lbs	17512 lbs
Total Weight⁺	8842 lbs	8670 lbs	17512 lbs

Extended Warranty

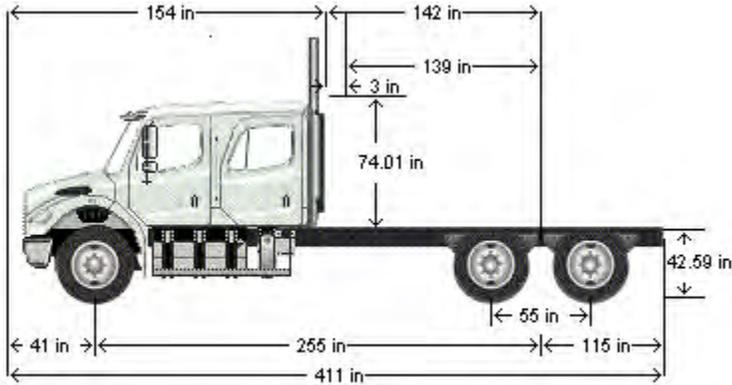
****** WAG-011 TOWING: 2 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES

(+) 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.

D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	6475MM (255 INCH) WHEELBASE
Rear Frame Overhang (552)	2925MM (115 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)	154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH C-PILLAR MOUNTED VERTICAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	153.5
Bumper to Centerline of Front Axle (BA)	40.7
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	142.1
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	139.1
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
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	257.3
Cab Height (CH)	74.0
Wheelbase (WB)	254.9
Frame Overhang (OH)	115.2
Overall Length (OAL)	410.9
Rear Axle Spacing	55.0
Unladen Frame Height at Centerline of Rear Axle	42.6

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

FRAME RBM

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545)6475MM (255 INCH) WHEELBASE
 Frame Rails (546)..... 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI(546)
 Yield Strength (psi) 120000
 Section Modulus (per rail) (cu in) 21.6
 RBM (per rail) (lbf-in) 2592000
 Inner Frame Reinforcement (547)..... 1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT
 Outer Frame Reinforcement (548)..... NO OUTER FRAME REINFORCEMENT

TABLE SUMMARY - FRAME RBM

Item	Description / Value
Wheelbase	6475MM (255 INCH) WHEELBASE
Frame	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
Inner Frame Reinforcement	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT
Outer Frame Reinforcement	NO OUTER FRAME REINFORCEMENT
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	21.60
Frame RBM - per rail (lbf-in)	2592000

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

TURNING RADIUS



Turning radius graphic and data provided strictly for comparisons between model configurations. Weather, road surfaces, and tire treads affect the results. It is strongly suggested that actual vehicles be measured before constructing any roads/driveways using this information. For specific figures regarding your configuration, please contact your CAE representative.

	Dimensions	Tolerance
Wall to Wall Diameter (ft)	76.5	+/- 3.0
Curb to Curb Diameter (ft)	75.0	+/- 3.0
Turning Radius (ft)	37.0	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model	M2106
Cab Size (829).....	154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
Wheelbase (545)	6475MM (255 INCH) WHEELBASE
Front Tires (093).....	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES
Width (in)	12.5
Front Axle (400).....	MFS-18-133A 18,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE
Kingpin Intersection (in)	71
Bumper (556)	THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS AND LH AND RH WING CUTOUTS FOR CAST PRODUCTS SA3502 SPEAKERS
Width (in)	93.5
Bumper Miter to Front Axle (in)	21.458
Primary Steering Location (003)	LH PRIMARY STEERING LOCATION
Steering Gear (536).....	TRW TAS-85 POWER STEERING
Dual Steering Gear	NONE
Ram.....	NONE
Rear Axle (420)	MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE
Axle Spacing (624)55 INCH AXLE SPACING

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