

Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSMICHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

A proposal for
Alexis Fire MY2017
Demo CC 14.6K 27K
Customer Draft # 2

Prepared by
TRANSMICHICAGO TRUCK GROUP
Duane Schaefer

May 12, 2016

Freightliner M2 106



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



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

SPECIFICATION PROPOSAL

Description
Price Level
M2 PRL-10M (EFF:02/11/15)
Data Version
SPECPRO21 DATA RELEASE VER 027
Vehicle Configuration
M2 106 CONVENTIONAL CHASSIS 2016 MODEL YEAR SPECIFIED SET BACK AXLE - TRUCK STRAIGHT TRUCK PROVISION LH PRIMARY STEERING LOCATION
General Service
TRUCK CONFIGURATION DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES) FIRE SERVICE EMERGENCY VEHICLES BUSINESS SEGMENT LIQUID BULK COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE MEDIUM TRUCK WARRANTY EXPECTED FRONT AXLE(S) LOAD : 14000.0 lbs EXPECTED REAR DRIVE AXLE(S) LOAD : 27000.0 lbs EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 41000.0 lbs
Truck Service

Application Version 8.9.114
Data Version PRL-10M.027
DEMO CC 14K 27K 16 May



05/12/2016 8:02 PM

Page 2 of 20

Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

FIRE TANK - NO MAIN DRIVELINE DRIVEN SPLIT-SHAFT PTO/PUMP
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in

Engine

CUM ISL 350 HP @ 2000 RPM, 2200 GOV RPM,
1000 LB/FT @ 1400 RPM

Electronic Parameters

75 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
PTO MODE ENGINE RPM LIMIT - 1100 RPM
PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED
PTO RPM WITH CRUISE SET SWITCH - 700 RPM
PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM
PTO MODE CANCEL VEHICLE SPEED - 5 MPH
PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
PTO MINIMUM RPM - 700
REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION
2008 CARB EMISSION CERTIFICATION - EXEMPTED VEHICLE; NO CLEAN IDLE LABEL REQUIRED
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
SIDE OF HOOD AIR INTAKE WITH NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT DONALDSON AIR CLEANER
DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE
(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

BATTERY BOX FRAME MOUNTED
STANDARD BATTERY JUMPERS
SINGLE BATTERY BOX FRAME MOUNTED LH
SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER
CUMMINS TURBOCHARGED 18.7 CFM AIR
COMPRESSOR WITH INTERNAL SAFETY VALVE
STANDARD MECHANICAL AIR COMPRESSOR
GOVERNOR
AIR COMPRESSOR DISCHARGE LINE
GVG, FIRE AND EMERGENCY SERVICE
VEHICLES ENGINE WARNING
CUMMINS EXHAUST BRAKE INTEGRAL WITH
VARIABLE GEOMETRY TURBO WITH ON/OFF
DASH SWITCH
RH OUTBOARD UNDER STEP MOUNTED
HORIZONTAL AFTERTREATMENT SYSTEM
ASSEMBLY WITH RH HORIZONTAL TAILPIPE
EXITING FORWARD OF REAR TIRES
ENGINE AFTERTREATMENT DEVICE,
AUTOMATIC OVER THE ROAD ACTIVE
REGENERATION AND DASH MOUNTED SINGLE
REGENERATION REQUEST/INHIBIT SWITCH
STANDARD EXHAUST SYSTEM LENGTH
RH HORIZONTAL TAILPIPE, EXIT FORWARD OF
REAR TIRES AT 90 DEGREES
6 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
LH UNDER CAB DIESEL EXHAUST FLUID TANK
LOCATION
DIESEL EXHAUST FLUID PUMP MOUNTED AFT
OF DIESEL EXHAUST FLUID TANK
STANDARD DIESEL EXHAUST FLUID TANK CAP
HORTON DRIVEMASTER ADVANTAGE ON/OFF
FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH
SWITCH, NON ENGINE MOUNTED
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER
1100 SQUARE INCH ALUMINUM RADIATOR



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

ANTIFREEZE TO -34F, OAT (NITRITE AND
SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR
COOLANT HOSES
RADIATOR DRAIN VALVE
LOWER RADIATOR GUARD
ALUMINUM FLYWHEEL HOUSING
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH
INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 3000 EVS AUTOMATIC TRANSMISSION
WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 198 -
AVAILABLE ON 3000/4000 PRODUCT FAMILIES
WITH VOCATIONAL MODEL EVS
ALLISON VOCATIONAL RATING FOR FIRE
TRUCK/EMERGENCY VEHICLE APPLICATIONS
AVAILABLE WITH ALL PRODUCT FAMILIES
PRIMARY MODE GEARS, LOWEST GEAR 1,
START GEAR 1, HIGHEST GEAR 5, AVAILABLE
FOR 3000/4000 PRODUCT FAMILIES ONLY
SECONDARY MODE GEARS, LOWEST GEAR 1,
START GEAR 1, HIGHEST GEAR 5, AVAILABLE
FOR 3000/4000 PRODUCT FAMILIES ONLY
NEUTRAL AT STOP - DISABLED, FUELSense -
DISABLED
DRIVER SWITCH INPUT - DEFAULT - NO
SWITCHES
ELECTRONIC TRANSMISSION CUSTOMER
ACCESS CONNECTOR MOUNTED BACK OF CAB
MAGNETIC PLUGS, ENGINE DRAIN,
TRANSMISSION DRAIN, AXLE(S) FILL AND
DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL,
DASH MOUNTED
TRANSMISSION PROGNOSTICS - ENABLED 2013
WATER TO OIL TRANSMISSION COOLER, IN
RADIATOR END TANK



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

TRANSMISSION OIL CHECK AND FILL WITH
ELECTRONIC OIL LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295
COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74
DROP SINGLE FRONT AXLE
MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES
FIRE AND EMERGENCY SEVERE SERVICE,
NON-ASBESTOS FRONT LINING
CONMET CAST IRON FRONT BRAKE DRUMS
SKF SCOTSEAL PLUS XL FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW,
CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
MERITOR AUTOMATIC FRONT SLACK
ADJUSTERS
TRW TAS-85 POWER STEERING
POWER STEERING PUMP
2 QUART SEE THROUGH POWER STEERING
RESERVOIR
ORGANIC SAE 80/90 FRONT AXLE LUBE

Front Suspension

14,600# TAPERLEAF FRONT SUSPENSION
MAINTENANCE FREE RUBBER BUSHINGS -
FRONT SUSPENSION
FRONT SUSPENSION WITH LEFT HAND OFFSET
SHACKLE BRACKET
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RS-25-160 27,000# R-SERIES FIRE/EMERGENCY
SERVICE SINGLE REAR AXLE
4.89 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD
AXLE HOUSING
MXL 17N MERITOR EXTENDED LUBE MAIN
DRIVELINE WITH FULL ROUND YOKES
MERITOR 16.5X7 P CAM REAR BRAKES,
DOUBLE ANCHOR, CAST SHOES



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

FIRE AND EMERGENCY SEVERE SERVICE NON-
ASBESTOS REAR BRAKE LINING
BRAKE CAMS AND CHAMBERS ON FORWARD
SIDE OF DRIVE AXLE(S)
WEBB HEAVY WEIGHT CAST IRON REAR BRAKE
DRUMS
SKF SCOTSEAL PLUS XL REAR OIL SEALS
HALDEX GOLDSEAL LONGSTROKE 1-DRIVE
AXLE SPRING PARKING CHAMBERS
HALDEX AUTOMATIC REAR SLACK ADJUSTERS
ORGANIC SAE 80/90 REAR AXLE LUBE

Rear Suspension

27,000# FLAT LEAF SPRING REAR SUSPENSION
WITH RADIUS ROD FOR FIRE/EMERGENCY
SERVICE
SPRING SUSPENSION - NO AXLE SPACERS
STANDARD AXLE SEATS IN AXLE CLAMP
GROUP
FORE/AFT CONTROL RODS

Brake System

AIR BRAKE PACKAGE
WABCO 4S/4M ABS WITH TRACTION CONTROL
REINFORCED NYLON, FABRIC BRAID AND WIRE
BRAID CHASSIS AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
STANDARD AIR SYSTEM PRESSURE
PROTECTION SYSTEM
STD U.S. FRONT BRAKE VALVE
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,
NO REAR PROPORTIONING VALVE
BW AD-9SI BRAKE LINE AIR DRYER WITH
HEATER
AIR DRYER MOUNTED UNDER HOOD
STEEL AIR TANKS MOUNTED AFT INSIDE
AND/OR BELOW FRAME JUST FORWARD OF
REAR SUSPENSION, NO TRIPLE OR TORPEDO
TANKS
CLEAR FRAME RAIL FROM BACK OF CAB TO
FRONT REAR SUSPENSION BRACKET LH RAIL
INSIDE/OUTBOARD AND BELOW



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description
PULL CABLES ON ALL AIR RESERVOIR(S)
Trailer Connections
UPGRADED CHASSIS MULTIPLEXING UNIT
UPGRADED BULKHEAD MULTIPLEXING UNIT
NO HIGH CURRENT TRAILER/BODY CABLE
Wheelbase & Frame
6750MM (266 INCH) WHEELBASE
7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT
1175MM (46 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 41 INCH TO 50 INCH
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 153.2 in
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 150.2 in
CALC'D FRAME LENGTH - OVERALL : 341.39
CALC'D SPACE AVAILABLE FOR DECKPLATE : 153.2 in
CALCULATED FRAME SPACE LH SIDE : 187.4 in
CALCULATED FRAME SPACE RH SIDE : 209.01 in
SQUARE END OF FRAME
FRONT CLOSING CROSSMEMBER
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
STANDARD SUSPENSION CROSSMEMBER
Chassis Equipment
THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS AND LH WING CUTOUT FOR FEDERAL MS100/ES100/ES100C SPEAKER
FRONT TOW HOOKS - FRAME MOUNTED
BUMPER MOUNTING FOR SINGLE LICENSE PLATE
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS

Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description
GRADE 8 THREADED HEX HEADED FRAME FASTENERS
D15-16004-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON FRAME WEB
TANK BODY 1501 TO 3000 GALLONS
Fuel Tanks
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH
RECTANGULAR FUEL TANK(S)
POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
FUEL TANK(S) FORWARD
POLISHED STAINLESS STEEL STEP FINISH
FUEL TANK CAP(S)
ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE
Tires
MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES
MICHELIN XZY-3 12R22.5 16 PLY RADIAL REAR TIRES
Hubs
CONMET PRESET PLUS IRON FRONT HUBS
CONMET PRESET PLUS IRON REAR HUBS
Wheels
ACCURIDE 41644 ACCU-LITE 22.5X8.25 10-HUB PILOT 5.72 INSET ALUMINUM DISC FRONT WHEELS
ACCURIDE 41644 ACCU-LITE 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
FRONT WHEEL MOUNTING NUTS
REAR WHEEL MOUNTING NUTS
Cab Exterior
154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
AIR CAB MOUNTS

Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

LH AND RH EXTERIOR GRAB HANDLES WITH
SINGLE RUBBER INSERT
HOOD MOUNTED CHROMED PLASTIC GRILLE
CHROME HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
DUAL 25 INCH ROUND STUTTER TONE HOOD
MOUNTED AIR HORNS
SINGLE ELECTRIC HORN
DUAL HORN SHIELDS
DOOR LOCKS AND IGNITION SWITCH KEYED
THE SAME
REAR LICENSE PLATE MOUNT END OF FRAME
INTEGRAL HEADLIGHT/MARKER ASSEMBLY
WITH CHROME BEZEL
LED AERODYNAMIC MARKER LIGHTS
OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE
WIRING WITH SEPARATE STOP/TAIL WIRES TO
7 FEET BEYOND END OF FRAME
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH BRIGHT FINISH CONVEX
MIRRORS MOUNTED UNDER PRIMARY
MIRRORS
STANDARD SIDE/REAR REFLECTORS
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED
NON-OPERATING WING WINDOWS
MANUAL DOOR WINDOW REGULATORS
TINTED WINDSHIELD
2 GALLON WINDSHIELD WASHER RESERVOIR
WITHOUT FLUID LEVEL INDICATOR, FRAME
MOUNTED

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANEL
MOLDED PLASTIC DOOR PANEL
BLACK MATS WITH SINGLE INSULATION



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

DASH MOUNTED ASH TRAYS AND LIGHTER
FORWARD ROOF MOUNTED CONSOLE WITH
UPPER STORAGE COMPARTMENTS WITHOUT
NETTING
IN DASH STORAGE BIN
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
STANDARD HEATER PLUMBING
DENSO HEAVY DUTY AIR CONDITIONER
COMPRESSOR
BINARY CONTROL, R-134A
STANDARD INSULATION
SOLID-STATE CIRCUIT PROTECTION AND
FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOOR ACTIVATED DOME/RED MAP LIGHTS,
FORWARD LH AND RH AND REAR LH, RH AND
CENTER
CAB DOOR LATCHES WITH MANUAL DOOR
LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
SEATS INC 911 UNIVERSAL SERIES HIGH BACK
AIR SUSPENSION DRIVER SEAT WITH NFPA
1901-2009 COMPLIANT SEAT SENSOR
SEATS INC 911 UNIVERSAL SERIES HIGH BACK
AIR SUSPENSION PASSENGER SEAT WITH
NFPA 1901-2009 COMPLIANT SEAT SENSOR
SEATS INC 911 UNIVERSAL SERIES SCBA NON
SUSPENSION LH, RH AND CENTER REAR
PASSENGER SEATS WITH UNDER SEAT
STORAGE AND NFPA 1901-2009 COMPLIANT
SEAT SENSOR
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
GRAY VINYL DRIVER SEAT COVER WITH GRAY
CORDURA CLOTH BOLSTER AND HEADREST
GRAY VINYL FRONT PASSENGER SEAT COVER
WITH GRAY CORDURA CLOTH BOLSTER AND
HEADREST



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

GRAY VINYL REAR PASSENGER SEAT COVER
WITH GRAY CORDURA CLOTH BOLSTER AND
HEADREST

3 POINT HIGH VISIBILITY ORANGE RETRACTOR
DRIVER, RH FRONT AND LH, CENTER AND RH
REAR PASSENGER SEAT BELTS WITH NFPA
1901-2009 COMPLIANT SENSOR AND DASH
HARNESS

ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN

4-SPOKE 18 INCH (450MM) STEERING WHEEL

DRIVER AND PASSENGER INTERIOR SUN
VISORS

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM

2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES

INTAKE MOUNTED AIR RESTRICTION
INDICATOR WITHOUT GRADUATIONS

ELECTRONIC CRUISE CONTROL WITH
SWITCHES IN LH SWITCH PANEL

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

ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28
LED WARNING LAMPS AND DATA LINKED

HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED BELOW LH
DASH

2 INCH ELECTRIC FUEL GAUGE

ENGINE REMOTE INTERFACE NOT
CONFIGURED

ENGINE REMOTE INTERFACE CONNECTOR AT
BACK OF CAB

ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE

2 INCH TRANSMISSION OIL TEMPERATURE
GAUGE



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

ENGINE AND TRIP HOUR METERS INTEGRAL
WITHIN DRIVER DISPLAY
NO LANE DEPARTURE WARNING SYSTEM
ELECTRIC ENGINE OIL PRESSURE GAUGE
OVERHEAD INSTRUMENT PANEL
AM/FM RADIO WITH FRONT AND REAR
AUXILIARY INPUTS AND J1939
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON FORWARD LH
ROOF
ELECTRONIC MPH SPEEDOMETER WITH
SECONDARY KPH SCALE, WITHOUT
ODOMETER
STANDARD VEHICLE SPEED SENSOR
ELECTRONIC 3000 RPM TACHOMETER
NFPA VEHICLE DATA RECORDER AND
SEATBELT DISPLAY
IDLE LIMITER, ELECTRONIC ENGINE
(2) OVERHEAD MOUNTED LANYARD
CONTROLS: (1) OFFICER AIR HORN AND (1)
DRIVER AIR HORN
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH
DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
WITH DELAY
MARKER LIGHT SWITCH INTEGRAL WITH
HEADLIGHT SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
DIMMER, WASHER/WIPER AND HAZARD IN
HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL
FLASHER WITH HAZARD LAMPS OVERRIDING
STOP LAMPS
NO MISCELLANEOUS GAUGES

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: L3781EB VIPER RED ELITE BC



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT
NO FUEL TANK CABINET PAINT
STANDARD E COAT/UNDERCOATING

Certification / Compliance

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

Secondary Factory Options

CORPORATE PDI CENTER IN-SERVICE AND
OPTION INSTALLATION/MODIFICATION

Extended Warranty

TOWING EXTENDED/ROADSIDE SERVICE WARRANTY, 6
MONTHS/UNLIMITED MILES/KM, \$550 CAP

Dealer Installed Options

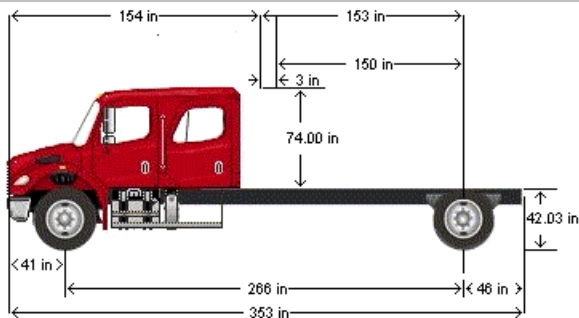
	Weight Front	Weight Rear
MODEL YEAR 2017 SURCHARGE FOR M2-106 AND 108SD	0	0
Total Dealer Installed Options	0 lbs	0 lbs



Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model M2106
Wheelbase (545) 6750MM (266 INCH) WHEELBASE
Rear Frame Overhang (552) 1175MM (46 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 HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES

Prepared for:
 Alexis Fire MY2017
 109 East Broadway St
 Alexis, IL 61412
 Phone: 309-482-3431

Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

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)	153.2
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	150.2
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	199.2
Cab Height (CH)	74.0
Wheelbase (WB)	266.0
Frame Overhang (OH)	46.0
Overall Length (OAL)	352.7
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	42.0

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

Prepared for:
Alexis Fire MY2017
109 East Broadway St
Alexis, IL 61412
Phone: 309-482-3431

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

GVWR

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model M2106
Cab Size (829)..... 154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
Expected Front Axle(s) Load (lbs)..... 14000.0
Expected Pusher Axle(s) Load (lbs)..... 0.0
Expected Rear Axle(s) Load (lbs)..... 27000.0
Expected Tag Axle(s) Load (lbs)..... 0.0
Expected GVW (lbs) 41000
Expected GCW (lbs) 0.0
Front Axle (400)..... DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
Front Suspension (620) 14,600# TAPERLEAF FRONT SUSPENSION
Front Hubs (418) CONMET PRESET PLUS IRON FRONT HUBS
Front Disc Wheels (502) ACCURIDE 41644 ACCU-LITE 22.5X8.25 10-HUB PILOT 5.72 INSET ALUMINUM DISC FRONT WHEELS
Front Tires (093)..... MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES
Front Brakes (402)..... MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536)..... TRW TAS-85 POWER STEERING
Rear Axle (420) RS-25-160 27,000# R-SERIES FIRE/EMERGENCY SERVICE SINGLE REAR AXLE
Rear Suspension (622)..... 27,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD FOR FIRE/EMERGENCY SERVICE
Rear Hubs (450) CONMET PRESET PLUS IRON REAR HUBS
Rear Disc Wheels (505)..... ACCURIDE 41644 ACCU-LITE 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
Rear Tires (094) MICHELIN XZY-3 12R22.5 16 PLY RADIAL REAR TIRES
Rear Brakes (423) MERITOR 16.5X7 P CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES
Pusher / Tag Axle (443)..... NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626) NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449)..... NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509) NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095)..... NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456)..... NO PUSHER/TAG BRAKES



Prepared for:
 Alexis Fire MY2017
 109 East Broadway St
 Alexis, IL 61412
 Phone: 309-482-3431

Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

TABLE SUMMARY - GVWR

	Front	Rear
Axle Component Weight Ratings		
Axles	14700	27000
Suspension	14600	27000
Hubs	14700	27000
Brakes	14600	31000
Wheels	14600	29600
Tires	14780	27120
Power Steering	18000	N/A
GAWR (per axle)	14600	27000
GAWR (per axle system)	14600	27000
Expected Load (per axle system)	14000	27000
Vehicle GVWR Summary		
Calculated GVWR	41600	
Expected GVWR	41000	
All weights displayed in pounds		

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

Prepared for:
 Alexis Fire MY2017
 109 East Broadway St
 Alexis, IL 61412
 Phone: 309-482-3431

Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

FRAME RBM

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545)6750MM (266 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)2590000
 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

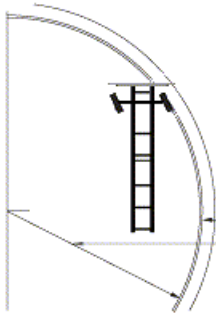
Item	Description / Value
Wheelbase	6750MM (266 INCH) WHEELBASE
Frame	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
Inner Frame Reinforcement	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT
Outer Frame Reinforcement	NO OUTER FRAME REINFORCEMENT
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	31.00
Frame RBM - per rail (lbf-in)	3715200

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

Prepared for:
 Alexis Fire MY2017
 109 East Broadway St
 Alexis, IL 61412
 Phone: 309-482-3431

Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

TURNING RADIUS



Turning radius graphic and data provided for general estimate purposes only. For specific figures regarding your configuration, please contact your CAE representative.

	Left Turn	Right Turn	Tolerance
Wall to Wall Diameter (ft)	71.9	63.5	+/- 3.0
Curb to Curb Diameter (ft)	70.3	61.7	+/- 3.0
Turning Radius (ft)	34.7	30.4	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model M2106
 Cab Size (829)..... 154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
 Wheelbase (545) 6750MM (266 INCH) WHEELBASE
 Front Tires (093)..... MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES
 Width (in) 11.4
 Front Axle (400)..... DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
 Kingpin Intersection (in) 71.5
 Bumper (556) THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS AND LH WING CUTOUT FOR
 FEDERAL MS100/ES100/ES100C SPEAKER
 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) RS-25-160 27,000# R-SERIES FIRE/EMERGENCY SERVICE SINGLE REAR AXLE
 Axle Spacing (624) NO AXLE SPACING

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