



PURCHASE ORDER

Purchaser		SUPPLIER	
Purchaser:	City of Marshall	Contract #:	FS12-19 For Years 2019-2023
Address 1:	344 West Main Street	Supplier:	Rosenbauer Minnesota, LLC
Address 2:		Address 1:	5180 260th Street
City, State, Zip:	Marshall, MN 56258	Address 2:	PO Box 549
		City, State, Zip:	Wyoming, MN 55092

Purchase Order Number:		Delivery in Calendar Days:	600
Date:	9/7/2022	HGAC Product Code	FS19YA08

The amount in this proposal shall remain firm for a period of 30 days from the date of same.

Quantity	Description	Price	Price (Extended)
1	One (1) Rosenbauer Aerial, complete with Rosenbauer Commander chassis and Rosenbauer Cobra Platform per attached specifications.	\$1,470,838.00	\$1,470,838.00
	Note: HGAC administration fee included in price		
	*Note: If chassis amount of \$444,695.00 is paid upon arrival at our plant in Minnesota, deduct \$17,075.00 each		
	*Note: If aerial amount of \$451,664.00 is paid upon arrival at our plant in Minnesota, deduct \$8,802.00 each		
	TOTAL		\$1,470,838.00

NOTES:	
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Rosenbauer Dealer :	General Safety Fire Apparatus
Salesperson:	Steve Harris
Signature:	

Purchaser:	City of Marshall
Print Name:	
Title:	
Date:	
Signature:	



**APPENDIX C
CHANGE ORDER POLICY**

This change order policy is intended to reflect the increased cost of changes which result in delayed deliveries, confused paperwork, poor production flow and increased potential of trucks being built to incorrect specifications. With your cooperation, changes can be kept to a minimum which means we will be able to reduce lead times, increase production and maintain costs which will benefit all of us.

Our objective is accurate, high quality and on-time deliveries exceeding our customer expectations.

Changes any time after the order is received may delay the quoted delivery date. Significant design or component changes will have the largest impact on the schedule and quoted delivery date. Changes that occur later in the process will also have the largest impact on the schedule and quoted delivery date.

All time fences are reference to contract execution date if not otherwise stated.

Change Window #1

All changes will be priced at standard pricing and specials will be priced through our normal process. Significant changes made to the vehicle during this time period may result in a delivery extension.

RBM Chassis	0-60 days
RBA Aerial	0-60 days
Rosenbauer Body	0-60 days

Change Window #2

All changes are subject to a 25% mark-up, as well as a \$250.00 change order processing fee. All changes are subject to factory review and may be denied due to engineering or lead time issues.

RBM Chassis	61-75 days
RBA Aerial	61-75 days
Rosenbauer Body	61-120 days

Change Window #3

All changes are subject to a 50% mark-up, and 50% restocking fee on deleted items, as well as a \$250.00 change order processing fee. All changes are subject to factory review and may be denied due to engineering or lead time issues. No major components can be changed at this time; major components are considered engine, transmission, axles, suspension, cab, frame (wheelbase), seats, water pump and water tank.

RBM Chassis	76-120 days
RBA Aerial	76-120 days
Rosenbauer Body	121-180 days

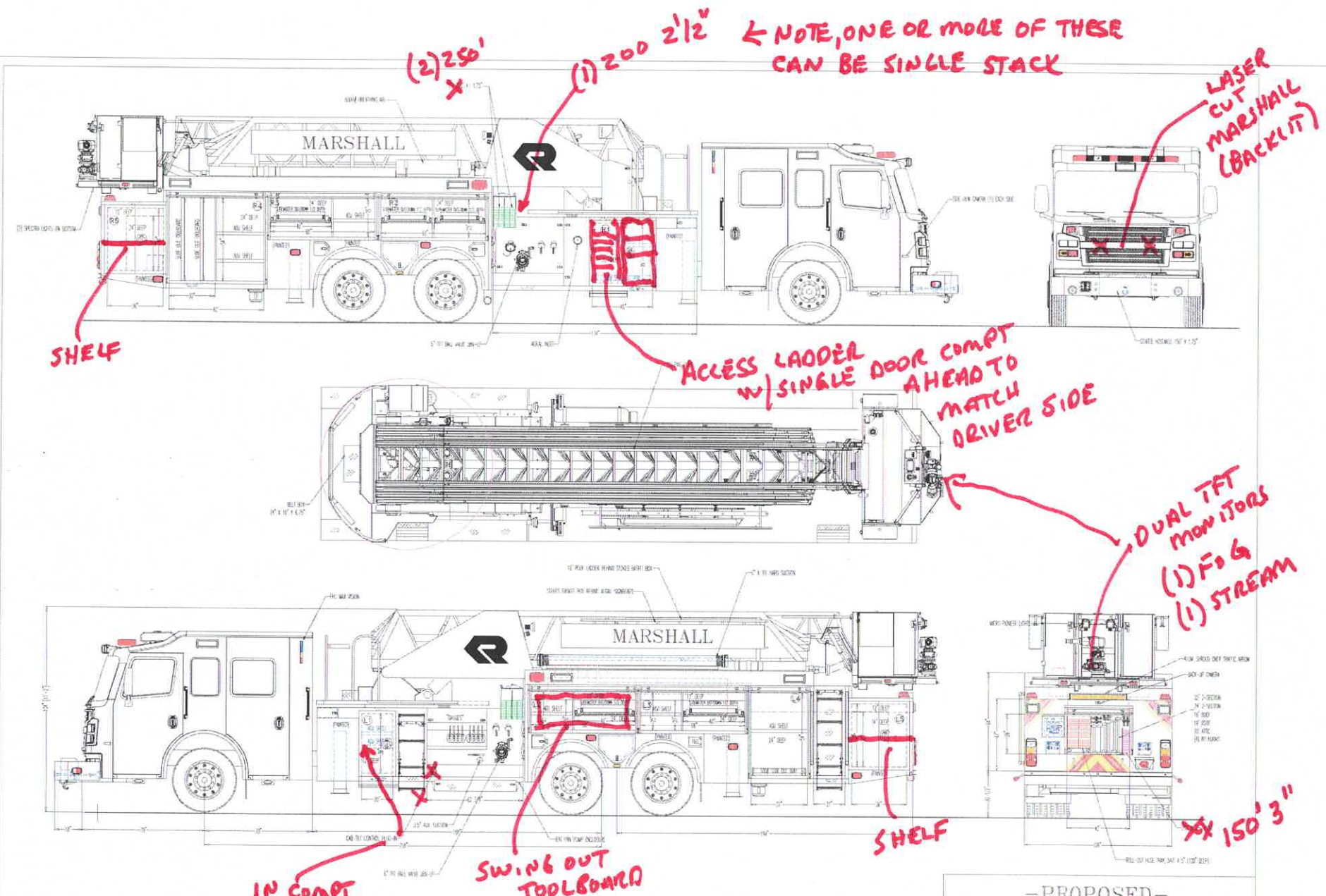
Change Window #4

Changes are not recommended at this time. Any changes requested will be priced on a time and material basis, as well as a \$500.00 change order processing fee. Any changes requested, and that are quoted to the customer, must be approved by the customer within three days or they will not be valid.

RBM Chassis	After 120 days
RBA Aerial	After 120 days
Rosenbauer Body	After 180 days

**Note: Any late change orders that are factory driven will be done at cost and no additional mark up or penalties will apply.*


BUYER INITIALS: _____



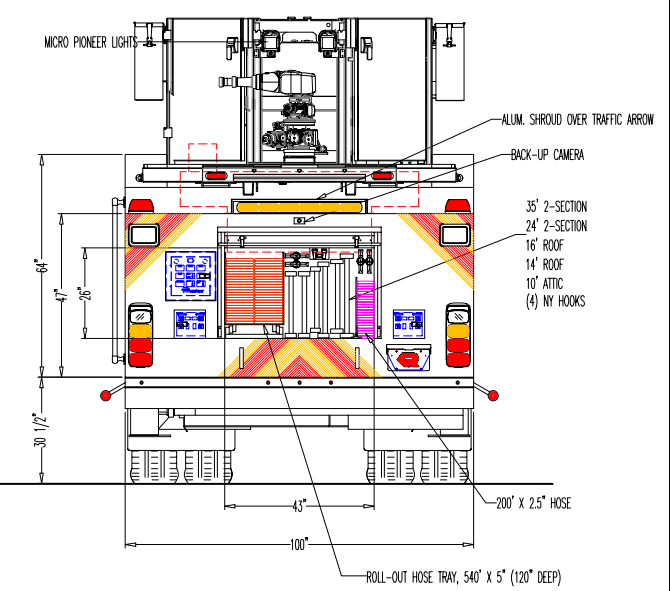
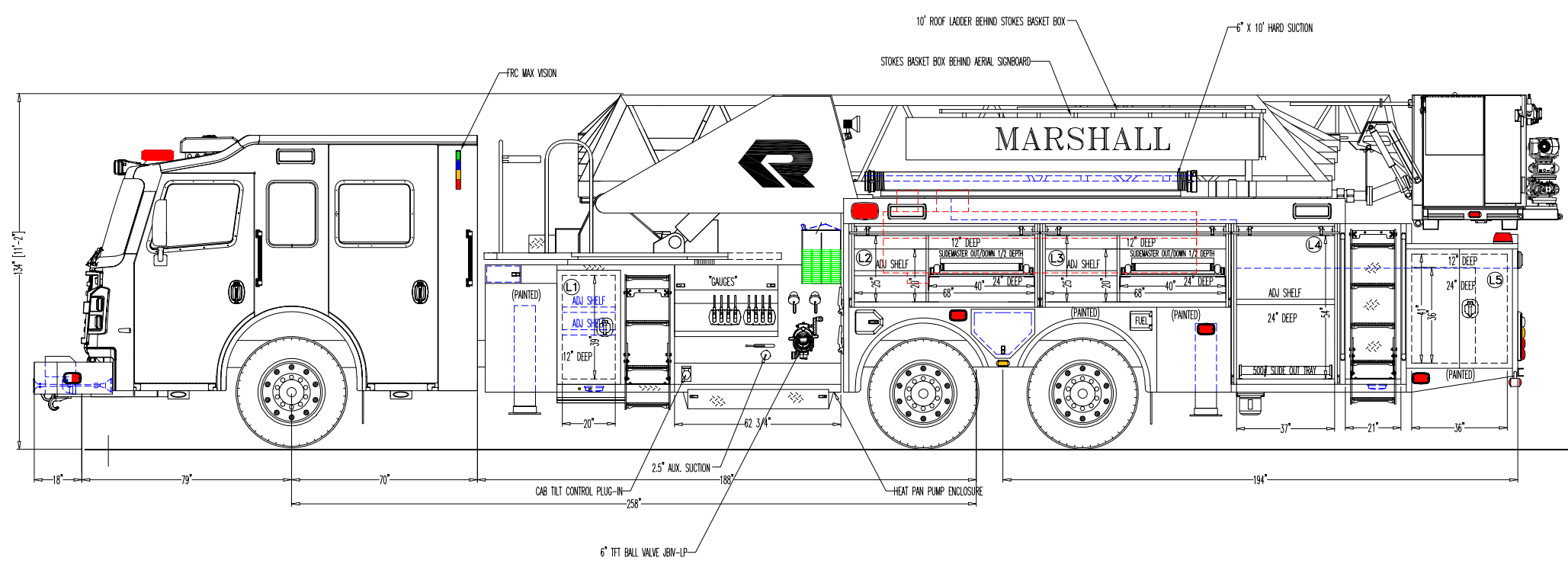
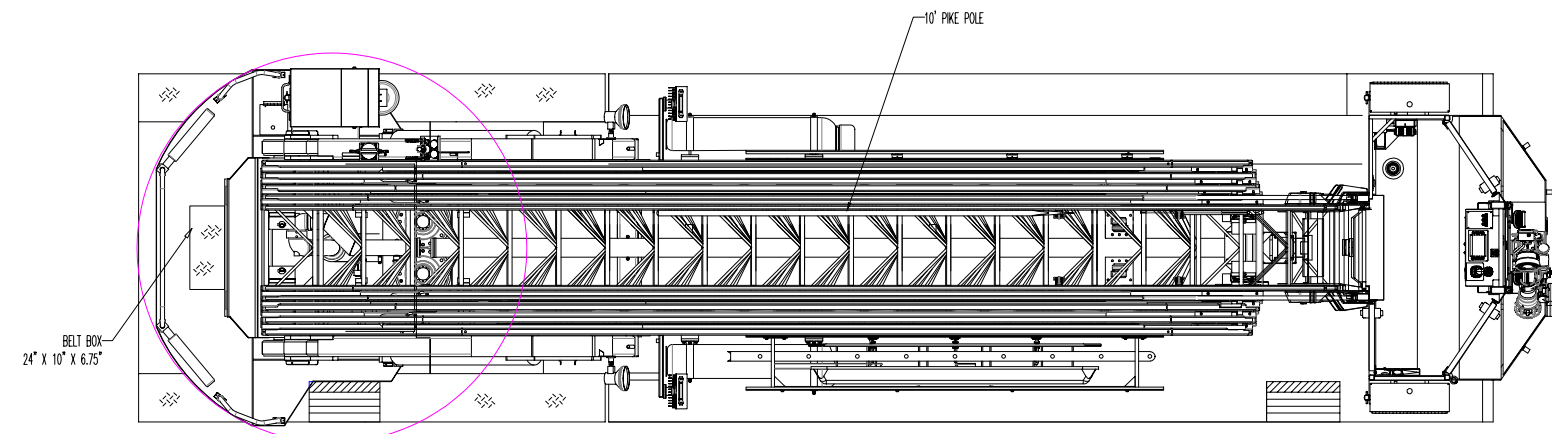
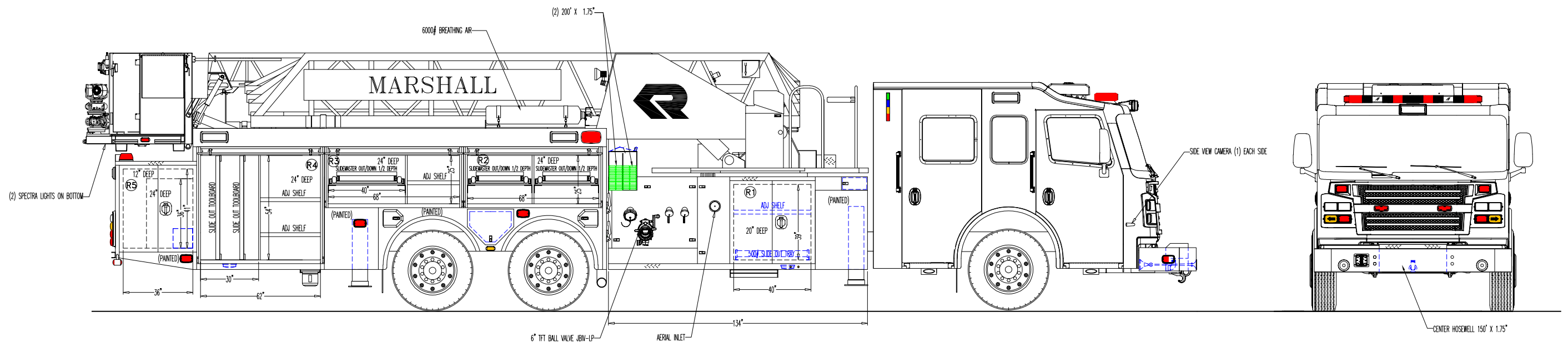
- NOTES:
1. OVERALL HEIGHT IS IN LOADED CONDITION. UNLOADED HEIGHTS MAY BE 4" ABOVE HEIGHTS SHOWN.
 2. DO NOT SCALE DRAWING.
 3. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO ENGINEERING CHANGES.
 4. DRAWING MAY OR MAY NOT SHOW ALL ITEMS AS DESCRIBED IN THE WRITTEN DETAIL SPECIFICATIONS.
 5. INCLUSION OF AN ITEM ON THE DRAWING DOES NOT CONSTITUTE INCLUSION OF THAT ITEM WITH THE FINAL DELIVERED UNIT.

DESIGNER	DATE	APPROVED BY	CHASSIS: ROSENBAUER R7011
REVISION	DATE		PUMP: WATEROUS S100 2000 GPM
DATE	DATE		TANK: POLY 480 / 20 GAL
DATE	DATE		TYPE: PUMPER
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROSENBAUER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ROSENBAUER IS PROHIBITED.			MAXIMUM HEIGHT: NONE MAXIMUM LENGTH: NONE BODY WIDTH: 100"
			AERIAL: 100' MIDMOUNT PLATFORM

-PROPOSED-
MARSHALL, MN.



ROSENBAUER EXT
P8544 01



- NOTES:
- OVERALL HEIGHT IS IN LOADED CONDITION. UNLOADED HEIGHTS MAY BE 4" ABOVE HEIGHTS SHOWN.
 - DO NOT SCALE DRAWING.
 - ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO ENGINEERING CHANGES.
 - DRAWING MAY OR MAY NOT SHOW ALL ITEMS AS DESCRIBED IN THE WRITTEN DETAIL SPECIFICATIONS.
 - INCLUSION OF AN ITEM ON THE DRAWING DOES NOT CONSTITUTE INCLUSION OF THAT ITEM WITH THE FINAL DELIVERED UNIT.

REVISIONS:

REVISED: -	DATE: -
REVISED: -	DATE: -
REVISED: -	DATE: -
DRAWN: JMV	DATE: 07-18-2022 (P5745-12)

PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROSEBAUER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ROSEBAUER IS PROHIBITED.

APPROVED BY:		CHASSIS: ROSENBAUER R7011
		PUMP: WATEROUS S100 2000 GPM
MAXIMUM HEIGHT	NONE	TANK: POLY 480 / 20 GAL.
MAXIMUM LENGTH	NONE	TYPE: PUMPER
BODY WIDTH	100"	AERIAL: 100' MIDMOUNT PLATFORM

- PROPOSED -
MARSHALL, MN.



ROSENBAUER EXT

JOB NUMBER	WORK ORDER NUMBER	REV
-	P8544	01

QUOTATION

General Safety Fire Apparatus

Marshall MM Cobra Body Spec

Exp. Date: 10/27/2022
 Quote No: 10008-0015
 09/07/2022

PART NO	S	QTY	DESCRIPTION
		1	== EXT Aerial Bid Prep Forms - 601.022 06/01/22 ==
00-00-1100	S >	1	Information Request Form (Factory Required)
00-00-1300	<	1	Fire Department Name Marshall MN Fire Department
00-00-1500	< >	1	MAXIMUM OVERALL HEIGHT Max overall Height 11'10"
00-00-1510	>	1	MAXIMUM OVERALL LENGTH
00-00-1520	< >	1	MAXIMUM OVERALL WIDTH DOT Maximum
00-00-1530	< >	1	MAXIMUM WHEELBASE Wheelbase to match drawing
00-00-1539		1	Angle of Approach, NFPA Minimum, 8 Degrees
00-00-1549		1	Angle of Departure, NFPA Minimum, 8 Degrees
		1	NFPA Equipment Allowances
00-00-1620		1	NFPA Aerial/Quint Equipment Allowance 2500#
00-12-1100		1	Financial Stability Response
01-06-0560	>	1	Electronic Stability Control
02-03-0100		1	Quality Control (ISO Compliance)
		1	== EXT Aerial Warranties-BR - 601.022 06/01/22 ==
01-16-0150	>	1	-- Warranty, Apparatus, Body Warranty, 1 Year
01-19-0460		1	-- Warranty, Body, Alum, Life-Time, Transferable
01-19-2450		1	-- Warranty, Subframe, Lifetime Alum, Transferable
01-20-1012	<	1	-- Warranty, Paint, AkzoNobel, 10 Year EXT Non Pro Rated!
01-21-0150		1	-- Warranty, Lettering and Striping, 1 Year
01-17-0750		1	-- Pump Warranty, Waterous, 7 Years
02-14-6250		1	Plmbg Warranty, Stnls Stl, 10 Years
01-33-5400		1	-- Manuals, Electrical , As Built Body, Digital Copy
56-01-1700	>	1	-- Siren, Elect, Whelen 295HFS2
56-02-1600		1	-- Spkr, F-S Dynamax, ES100C 100 Watt
56-02-1650		1	-- Spkr Grille, Stnls Stl, "R"
56-03-1300		1	-- Spkr Lctn, Bumper, Rcsd, Right Side
57-02-1250	S < >	1	-- Lt Bar, Whelen, Ultra Freedom IV, #F4N7QLED, LED, 72" Fully populated lightbar with built in center emitter. Colors and layout TBD
57-08-1100	>	1	-- Trffc Emtr, GTT Opticom, Lt Bar Mntd, 795H Low-Pro LED High-Priority, Prk Brake
57-10-0600		1	-- Lightbar Cntrl, with Master Warning Switch
58-71-1820		1	-- Wrn Lts, Whelen, Upper Rr (2) S-LED Rotary L31 P/N L31*F
57-20-8106		1	-- Wrn Lt, Dvr, Whelen, L31 LED Rotator Red CLear Lens, Ea

PART NO	S	QTY	DESCRIPTION
57-20-8107		1	-- Wrn Lt, Offcr, Whelen, L31 LED Rotator Red Clear Lens, Ea
58-74-5200		1	-- Mtg, Rr Wrn Lt, Bdy Compt
58-46-2100		1	-- Wrn Lts, Whelen, Upper Side Front (2) M9 LED
57-20-1410		1	-- Wrn Lt, Drvr, Whelen, M9, Red LED, Clear Lens, Ea
57-20-1411		1	-- Wrn Lt, Offcr, Whelen, M9, Red LED, Clear Lens, Ea
58-01-2180		2	-- Flange, Chrome, Wrn Lt, Whln, M9 Ea
58-61-2100		1	-- Wrn Lts, Whelen, Upper Side Rr (2) M9 LED
57-20-1410		1	-- Wrn Lt, Drvr, Whelen, M9, Red LED, Clear Lens, Ea
57-20-1411		1	-- Wrn Lt, Offcr, Whelen, M9, Red LED, Clear Lens, Ea
58-01-2180		2	-- Flange, Chrome, Wrn Lt, Whln, M9 Ea
58-03-6300		1	-- Wrn Lts, Whelen, Uppr Wing, (2) M6 LED
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-03-7300		1	-- Wrn Lts, Whelen, Inbrd Warn Lt, (2) M6 LED
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-09-2000		1	-- Wrn Lts, Whelen, Intrsct (2) M6 LED
57-20-1218		1	-- Wrn Lt, Drvr, Whelen, M6, Split Red/Clear LED, Clear Lens, Ea
57-20-1219		1	-- Wrn Lt, Offcr, Whelen, M6, Split Red/Clear LED, Clear Lens, Ea
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-23-1100	>	1	-- Wrn Lts, Whelen, Lwr Rear Chassis (2) M6 LED
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-26-2000		1	-- Wrn Lts, Whelen, Low Mid Bdy (2) M6 LED
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-36-2000		1	-- Wrn Lts, Whelen, Low Rr Side (2) M6 LED
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-81-2000		1	-- Wrn Lts, Whelen, Low Rr (2) M6 LED
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea
50-08-1000	>	1	Elecal, Base, Multi-Plex, Weldon V-MUX Body
55-11-1100	>	1	-- Dr Open/Hazard Wrn Lt, w/Chassis
55-13-1065	>	1	-- V-MUX Dr Open, Isolation, Body Main Cmpt Doors, On Vista Screen w/Accessories
50-12-1092	>	1	Swth Panel, Multiplex, Chassis Supplied
50-15-1100		1	Batteries, With Supl'd Chs
50-15-3100		1	Battery Swth, Mstr Disconnect , Chs Sppld
50-41-7100	>	1	Air Horns (2) 24" Round Hadley E-Tone
50-41-8140		1	Air Horn Location (2) Recess Mounted, Outboard, 1 Ea Side
50-43-1000		1	Air Horn Cntrls
50-43-2000		1	-- Air Horn Cntrl, Driver, Horn Ring, Air/Elec
50-43-2300		1	-- Air Horn Cntrl, Officer, Sgle Dash Swth
51-00-1800	<	2	-- 12V Power/Ground, 30A, Rr Cab Cabinet One in each rear cab corner cabinet. Location TBD

PART NO	S	QTY	DESCRIPTION
51-00-4010		2	-- Constant Power
51-00-2410	<	2	-- 12V Dual USB Power Outlet, 5V 2.1A Output, Rr Crew Cab Cabinet One in each rear cab corner cabinet. Location TBD
51-00-4010		2	-- Constant Power
51-05-6290		1	Lt, Engine Cmpt, Chassis Supl'd
51-05-6400		2	Lt, Pump Cmpt, 12 Volt LED With Swtch
51-05-9000		2	-- Switch on Light Head
51-20-3100	>	1	-- Fldlt, Mntg Lctn, Front Edge Of Cab Roof
51-15-3132		1	-- Fldlt, Whelen, Pioneer Plus PFH2, Dual Lt, Cab Brow Center Mt, Commander, White
54-15-6040		1	-- Scene Lt Actvtd, Front Scene, Driver & Offiicer VISTA
52-01-1100		1	Back Up Alarm, w/Chassis
52-02-4258		1	Back Up Camera, FRC InView 360, INSTALL CHASSIS SUPPLIED
52-15-1700	>	1	Radio, Fire, Install Cstmer Supl'd
51-00-1700		1	-- 12V Power/Ground, 30A, Radio Lctn
51-00-4000		1	-- Switched Power, Thru Master
52-15-1600		1	-- Radio Spkr, Fire, Supply/Install, Ea
53-01-1200		1	Marker Lts, LED, DOT Requirements
53-01-3000		1	Marker Lts, Flex Arm, Britax, Pair
53-02-1250		1	License Plate Brkt, Cast Prdts, LP0005-1-C w/ LED Lt
53-03-0065		1	Whelen Rr DOT LED Ltng Pkg M6
53-03-2752		1	-- Tail/Brake Lts, Whelen, LED, M62BTTC, Clear Lens (Pair)
53-04-2752		1	-- Turn Signals, Whelen, LED w/ Arrow, M62TC Clear Lens (Pair)
53-06-3550		1	-- Backup Lts, Whelen, LED, M62BU (Pair)
53-07-1210		1	-- Tail Lt Bezel, 4 Lts, Whln M6 (Pair), ABS Chrome
53-05-1800		1	Turn Signals, Mid Bdy, LED Marker Lt (Pair)
54-01-1220		1	-- Ground Lts, Frt Bumper, LED, Whelen 3SC0CDCR, Pair
54-02-1100		1	-- Ground Lts, Cab, Supl'd w/Custom Chassis
54-03-1220		1	-- Ground Lts, Pump Panel, LED, Pr Whelen 3SC0CDCR
54-03-1420		1	-- Ground Lts, Mid Body, LED, Whelen 3SC0CDCR, Pair
54-03-1620		1	-- Ground Lts, Rr Step, LED, Whelen 3SC0CDCR, Pair
54-03-1820		1	-- Ground Lts, Bhnd Rr Wheels, LED, Whelen 3SC0CDCR, Pair
54-04-1999		1	-- Lt Swtch , Ground Lts w/ Park Brake
54-10-1550		2	Step Lt, Bdy Side Rnng Board, LED, Ea
54-11-2100		1	Lt Swtch , Step/Wlkwy Lts Wired Park Brake Swtch
54-15-1620	>	6	Scene Lt, Whelen, Pioneer Plus Dual Pnl PCPSM2C LED Srfc Mt, Chrome
54-15-5100		1	-- Scene Lt Lctn, Left Side Of Cab
54-15-5200		1	-- Scene Lt Lctn, Right Side Of Cab
54-15-5500		2	-- Scene Lt Lctn, Left Side Of Bdy
54-15-5600		2	-- Scene Lt Lctn, Right Side Of Bdy
54-15-6494		1	-- 3-Way Cntrl Swtch, Left Scene Lts, Driver & Officer VISTA/Pmp Pnl
54-15-6594		1	-- 3-Way Cntrl Swtch, Right Scene Lts, Driver & Officer VISTA/Pmp Pnl
54-15-1610	>	2	-- Scene Lt, Whelen, Pioneer Plus Sngl Pnl PCPSM1C LED Srfc Mt, Chrome
54-15-6694		1	-- 3-Way Cntrl Swtch, Rr Scene Lts, Driver & Officer VISTA/Pmp Pnl
54-15-6700		1	-- Scene Lt Swtch , Rr Scene Lts, Auto w/ Reverse
58-91-1720		1	Traffic Arrow Lt, Whelen, 46.82" TIR6 Super-LED, TAM85
58-95-1500		1	Traffic Arrow Lt Mtg, Surface Mt, w/ Alum Guard, Rr Bdy
		1	== EXT Aerial Chassis Mods - ROSENBAUER - 601.022 06/01/22 ==

PART NO	S	QTY	DESCRIPTION
10-01-1200	>	1	Vehicle Dimensions, Tndm Axle
10-02-1100		1	Label, Data, Fluid Levels
10-02-1200		1	Label, Data, Height x Length, Weight
10-02-1300		1	Label, Data, "No Ride" Rr Step
10-02-1400		1	Label, Data, Tire Pressure
10-02-2100		1	Label, Indicating Number of Seats
10-02-2500		1	Label, "Caution: Do Not Wear Helmet While Seated"
10-03-3102		1	Tow Devices, Supplied & Shipped Loose w/ Chassis, Install (Pair)
10-03-6120		1	Tow Plates (2), Rr Frame Rail, Abv Step, 3/4"x3"ID
80-43-2400		1	-- Painting, Tow Plates, Blk
10-04-0430		1	-- Front Bumpers, 4000, Max Force 12"H, Max Force Wings
10-05-4318		1	-- Frnt Bmpr, 4000, Max Force 12"H, T/P Apron, M/F Wings, 18" Extnsn
10-04-2720	>	1	-- Bumper Cmpt, Center, Hosewell Cmpt
10-04-3150	<	1	-- Bumper Cmpt Door, Alum T/P, Flat Style For 150' of fire department supplied 1.75" hose and nozzle
08-00-0719		1	-- Cmpt LED Strip Lt, (1) Ea Cmpt (approx 30")
08-00-071A		1	-- Compartment Light, Mounting Door Jamb
10-04-3460		1	-- Bumper Cmpt Door Gas Shock
10-06-1652	>	1	Tire Pressure Indicator, Tndm Axle, Commander, RWTG1235, EXT
10-08-2100		1	Mud Flaps, Rr Whls, Blk, w/ Bdy
10-18-6000	< >	1	Cab Tilt Control, Cstm, Left Front Cmpt or Pump Panel To be enclosed in front left compartment
		1	== EXT Midship Aerial Pump&Plumbing - 601.022 06/01/22 ==
20-23-4200		1	-- Pump, Waterous, S100C20, 1 Stage, Midship
20-23-4120	S < >	1	-- Pump Flow Rtng, Waterous, S100C20, 2000 GPM 2000 GPM
22-03-1600		1	-- Intk, Ungated, 6", LH Side
22-24-1662	>	1	-- Intk, Gtd, Mnl, JBIV-LP, 6"NSTFx5"Storz F, LH TFT AXD1ST-NX-T, Extrnl
22-41-7200		1	-- Cap, 5" Storz, LW Alum, Lckng, w/Chain or Cable
22-03-2600		1	-- Intk, Ungated, 6", RH Side
22-24-3664	>	1	-- Intk, Gtd, Elec, JBIV-LP, 6"NSTFx5"Storz F, RH TFT AXD1ST-NX-RC, Extrnl
22-41-7200		1	-- Cap, 5" Storz, LW Alum, Lckng, w/Chain or Cable
20-26-2200		1	-- Pump Seal, Mech, Waterous
20-26-2400	>	1	-- Pump Impeller, Waterous, Flame Plated Hubs
20-26-2600		1	-- Pump Anode, Waterous, Removable
20-26-3050		1	-- Pump Manufacturer's Pneumatic Pump Shift
20-26-4400		1	-- Pump Primer, Waterous, VPO, Oil Less, Elec, Push Button
27-10-3500	>	1	-- Pressure Gvrnr, FRC, In-Cntrl, w/Bdy, TGA400
		1	STAINLESS STEEL PUMP PLUMBING *
21-00-0090		1	-- Pump Panel Approval Drawing
21-00-2000		1	-- Screens/Anodes, Pump
21-00-3300		1	-- Piping, Stnls Stl - 1250 GPM & Up
21-01-0200	>	1	-- Pump Drain, Master, Manifold, Push Pull Type
21-01-5500		1	-- Intk Manifold, Stnls Stl
21-01-6500		1	-- Dschg Manifold, Stnls Stl
21-01-7100		1	-- Painting, Pump & Piping, Silver
21-01-8100		1	-- Threads, National Hose (NST)
22-51-5220	>	1	-- Tank-To-Pump, Water Tank, 3" Vlv/4" Piping, Midship, Aerial
22-50-0100		1	-- Single Tank to Pump Control - Pump Operator's Panel

PART NO	S	QTY	DESCRIPTION
24-62-1300		1	-- Vlv Mfger, AKR, 8000, (3")
24-55-0040	>	1	-- Pistol Grip Lever Control Innovative Controls
23-02-1200	>	1	-- Tank Fill/Cooling Line, Water Tank, 1-1/2"
24-62-1150		1	-- Vlv Mfger, AKR, 8000, (1-1/2")
24-55-0020	>	1	-- Pistol Grip Lever Control Innovative Controls (Standard for Top Controls)
20-30-3100		1	-- Pump Instln, Midship Split-Shaft, By Bdy Bldr
20-31-1010		1	Fire Pump Testing - Aerials
20-31-1250		1	-- Pump Test, Aerial, UL
20-31-1500		1	-- Pump Test, Label
20-31-3200		1	Dump-Relief Vlv, Suction Side, ELK #40, NST
20-31-4110		1	Pump Cooler, Bypass-To-Tank, 3/8", IC Mini-Twist Handle
20-31-5110		1	Heat Exchanger, Engine, Hook-Up Only, IC Mini-Twist Handle
22-12-1100		1	Intk, Aux, Gtd, 2-1/2", NST, Left Side
21-01-2502		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
22-41-1100		1	-- Plug, 2-1/2", Chrome Rocker Lug, w/Chain
24-62-1250		1	-- Vlv Mfger, AKR, 8000, (2-1/2")
22-55-4050		1	-- Intk Vlv Cntrl, AKR, Mnl Swing Type-Adjacent
23-05-3200		1	-- Dschg, 2" x 1-1/2" Front Center Bumper, Swivel, NST Brass Swivel
21-01-2200		1	-- Drain/Bleeder, Class 1, Automatic
23-05-9100		1	-- Hose Connection, Frnt Bmpr, Inside Hosewell, Swivel
24-61-1200		1	-- Vlv Mfger, AKR, 8000, (2")
24-55-0020	>	1	-- Pistol Grip Lever Control Innovative Controls (Standard for Top Controls)
27-02-1500	>	1	-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
23-06-2200	S <	1	-- Crosslay Dschgs, (2) 1-1/2", Over Pump Panel, NST 250 ft x1-3/4-in ea w/divider Capacity to hold 250' of 1 3/4" fire department supplied each
21-01-2502	<	2	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only lift up style
24-61-1200		2	-- Vlv Mfger, AKR, 8000, (2")
24-55-0020	>	2	-- Pistol Grip Lever Control Innovative Controls (Standard for Top Controls)
27-02-1500	>	2	-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
23-07-2100	S <	1	-- Crosslay Dschg, (1) 2-1/2", Over Pump Panel, NST 200 ft of 2-1/2-in each 200' of 2 1/2" capacity fire department supplied hose
21-01-2502	<	1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only lift up style
24-61-1250		1	-- Vlv Mfger, AKR, 8000, (2-1/2")
24-55-0020	>	1	-- Pistol Grip Lever Control Innovative Controls (Standard for Top Controls)
27-02-1500	>	1	-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
23-08-3400		1	-- Crosslay Cvr, Alum T/P, Dble Bi-Fold, W/Vinyl End Flaps
29-20-5602		1	-- Vinyl Color, BLACK
23-08-4130		1	-- Crosslay Trim, Alum Angles, Both Sides
23-08-5019		1	-- Crosslay Dschgs, Over Pump Panel, Normal Height
23-09-4100		2	Dschg, 2-1/2", Left Side, Pump Panel, NST
21-01-2502		2	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
24-02-1200		2	-- Elbow, 2-1/2"F x 2-1/2" NST M, Chrome
24-03-1400		2	-- Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain
24-61-1250		2	-- Vlv Mfger, AKR, 8000, (2-1/2")
24-55-0020	>	2	-- Pistol Grip Lever Control Innovative Controls (Standard for Top Controls)

PART NO	S	QTY	DESCRIPTION
27-02-1500	>	2	-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
23-10-4100		2	Dschg, 2-1/2", Right Side, Pump Panel, NST
21-01-2502		2	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
24-02-1200		2	-- Elbow, 2-1/2"F x 2-1/2" NST M, Chrome
24-03-1400		2	-- Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain
24-61-1250		2	-- Vlv Mfger, AKR, 8000, (2-1/2")
24-55-0020	>	2	-- Pistol Grip Lever Control Innovative Controls (Standard for Top Controls)
27-02-1500	>	2	-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
23-10-5200		1	Dschg, 3" x 4"NST, Right Side, Pump Panel, NST
21-01-2502		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
24-02-2600		1	-- Elbow, LW Alum, 5" Storz x 4"F
24-03-2200		1	-- Cap, LW Alum, 5" Storz, w/Cable
24-61-1300		1	-- Vlv Mfger, AKR, 8000, (3")
24-53-0300	>	1	-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR Slow Close - IC w/Gauge
27-02-1500	>	1	-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
24-10-1500	>	1	Aerial Dschg/Inlet, 4", Right Side Pump Panel, NST
21-01-2500		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn
24-01-4600		1	-- Adptr, LW Alum, 5" Storz x 4"F
24-03-2200		1	-- Cap, LW Alum, 5" Storz, w/Cable
24-61-1420		1	-- Vlv Mfger, AKR, 8000, (4"), Electric
24-53-5300		1	-- Dschrg Vlv Cntrl, AKR, 4" Elec, #9335, Pres Mtr-FM
25-06-3100	>	1	-- Foam Sys, F/PRO 2001, Cls A/B, 2.6G, 12V S105-2001
25-20-1200		1	-- Foam Plmbg, Sngl Class A Tank, 1" Mnl Vlv
25-21-1300		1	-- Foam Tank, Intgrl Poly, 20 Gal, Class A
25-22-9300		1	-- Foam Tank, UPF
25-23-1000		1	-- Foam Tank Drain, 1" Gate Vlv, Under Tank
27-36-1100		1	-- Foam Tank Gauge, FRC TankVision Pro 300, Class A, Pump Panel #WLA360-A00
25-19-9000		1	-- Foam System, NFPA #1901, Install Standards
		1	== EXT Aerial - Mid-Mount Pump Cmpt - 601.022 06/01/22 ==
26-02-1700		1	Pump Enc, Side Mt, Extrd Alum, Aerial Mid Mt, Turntable Egress Steps Each Side
26-30-1110		1	Rng Brd, LH Pump Panel, Alum T/P, SM Aerial
26-30-3010		1	-- Step, Slide-Out, Alum Grating, LH Pump Panel, Pin & Slot, EXT
26-30-1150		1	Rng Brd, RH Pump Panel, Alum T/P, SM
26-35-3210		1	Pump Panel, Stnls Stl, LH/RH, SM, EXT
26-35-1100		1	-- Pump Panel, Bltd, LH
26-35-1200		1	-- Pump Panel, Bltd, RH
26-50-1200	>	1	Heater, Pump Enc, 30,000BTU, w/Swtch on Pmp Oprtr's Pnl
26-50-3200		1	Heat Pan, Pump Enc, Midship, Slide Out Panel, Alum
26-50-4100		1	Gasket, Rubber, Pump Enc/Bdy Flex Joint
26-55-1100		1	Labels, Test Data and Safety Placards
26-55-2410		1	Labels, IC Color Coded, EXT
26-56-1130		1	Pump Panel Lt, Midship LH, (3) Grote #01-61F8-70 Low Profile, LED
26-56-1230		1	Pump Panel Lt, Midship RH, (3) Grote #01-61F8-70 Low Profile, LED
26-56-2110		1	Pump Engage Lt (1), Grn Lt Pump Panel, Actuated w/Pmp Engrmnt
27-01-1500	>	1	-- Mstr Gauges, IC, 4" PSI, Pr
27-01-4100	>	1	Gauge, Test Taps
27-35-1100		1	Water Tank Gauge, FRC, TankVision Pro 300, Pump Panel WLA300-A00
27-35-1500	<	1	-- Water Tank Gauge, FRC, Max Vision Remote Tank Display, Pair One each side of cab towards rear upper

PART NO	S	QTY	DESCRIPTION
27-37-1100		1	Air Horn, Push Button, Pump Panel
33-70-4401		1	Handrail, Alum, Lighted, White LED, Pmpr, Side Pump Panel, Horz, 12", Pair
		1	== EXT TA MM Aerial/Platform w/ CntrBed - 601.022 06/01/22 ==
25-28-2120	S < >	1	Water Tank, 480 Gal, Aerial, Poly, Rect 480 water and 20 foam.
25-42-1100	>	1	-- Water Tank, Base Specs, Poly
25-42-1200		1	-- Water Tank, Manufacturer, UPF, Poly
25-44-1700		1	-- Water Tank, Fill Tower, 10" x 10", EXT
25-50-1400		1	-- Water Tank Clean-out & Plug, 3"
		1	AERIAL/PLATFORM - MID MT TANDEM AXLE - EXT
00-01-5100		1	-- Chassis Requirements, Ladder
00-01-5200		1	-- Body Requirements, Ladder, Four (4) Outriggers
00-01-5192		1	-- Outrigger Pad Storage, Single, Four (4) Total
00-01-5204	< >	1	-- Harness, Safety, Pac Mule, Four (4), Provided By Body Bldr Available sizes are: M, L, XL, & XXL.
			If sizes are not specified, the following will be provided: (1) - L (2) - XL (1) - XXL
00-01-5212		1	-- Size, Safety Harness, Large, 34"-40" Waist
00-01-5214		2	-- Size, Safety Harness, X-Large, 42"-50" Waist
00-01-5216		1	-- Size, Safety Harness, XX-Large, 52"&Up Waist
30-00-0399		1	-- Raw Material Surcharge - Tandem Axle
30-01-2050		1	-- Bdy Const - Rosenbauer EXT - Aerial
30-01-2250		1	-- Electrolysis Corrosion Cntrl
30-02-1960		1	-- Side Body Header, Alum, Pntd, Tndm Axle, EXT
44-06-1200		1	-- Whl Well Panel, Alum, Pntd, Tndm Axle
44-06-4320		2	-- Fenderette, Polished Stainless Steel, EXT
40-40-5200		1	-- Bdy Sub-Structure, EXT, Tndm Axle
44-06-5240		1	-- Outrigger Bdy Panels w/ Secondary Covers, Alum, Pntd
30-01-3120	>	1	-- Cover, Outrigger, Plshd SS
	>	1	AERIAL / PLATFORM HOSEBEDS - CENTER - EXT
41-39-1550	S <	1	-- Hosebed, Aerial, Rr, Center, EXT Slidemaster Pull Out Bed Torque Box --A Heavy duty Slidemaster roll-out tray designed with a hose storage for 540' of 5" LDH shall be supplied and installed in the torque box. The tray shall be mounted on a roll-out tray allowing for easy repacking of the LDH hose. One side of the hose storage tray cartridge shall be hinged to drop down for easier repacking of hose. --Similar to St Paul MN and Edina MN The passenger side of the torque box will be provided with a loose pull out aluminum cartridge with the capacity for a minimum of 150' of 3" fire department supply hose
41-39-2150		1	-- Hosebed, Grating, Extrd Alum, Aerial, EXT
41-39-3200		1	-- Hosebed, Strge Cpcty 3" DJ
41-39-4100	<	3	-- Hose Length, 50' Capacity for 150" of 3" supply hose
41-39-3500		1	-- Hosebed, Strge Cpcty 5" LDH SJ Rbbr
41-39-4200	<	5	-- Hose Length, 100' Capacity for up to 540'
40-42-6070	<	1	100" OAW, 24"/20", Full Dpth Both Sides, TA MM Arl/Pltfrm See drawing for actual useable compartment depths and sizes

PART NO	S	QTY	DESCRIPTION
40-42-6134		1	Pntd RU Drs, Otsd Cmpt, TA MM Arl/Pltfrm, Rear Center Hsbd
30-02-1800		1	-- Drs, Hngd/Roll-Up Combination Specs, EXT
30-02-1260	>	6	-- Dr Strap, EZ-Pull Down, Ea
30-02-1520	>	4	-- Dr Handle, Eberhard 21100 Series, Chrome, Hngd Drs (Ea)
		1	LEFT SIDE COMPARTMENTATION
40-61-0010	< >	1	-- Bhnd Frnt Outrigger, Full Ht Cmpt, Sngl Hngd Dr, 20" 20" Wide Compartment
40-60-7040		1	-- 39" Cmpt Height, 39" Dr Opening, Hinge Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		2	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-30-1700		1	-- Turtle Tile, Floor
55-01-3360		1	-- Cmpt Lt, Wall, OSS Access, 18" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-61-2100	< >	1	-- Bhnd Frnt Outrigger, Turntable Access, Alum T/P, 20" 20" wide
40-96-1600	>	1	-- Access Ladder, Aerial, LH, Swing Out & Down, 17"W
54-10-1300		2	-- Step Lt, Fxd /Fldg Step, LED, Ea
40-64-6540	< >	1	-- Abv Frnt Tndm, Uppr Cmpt, Pntd RU Otsd Cmpt, 68" 68" Wide Compartment
40-60-7115	S >	1	-- 25" Cmpt Height, 25" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-18-1800		1	-- Tool Board, Swing Out, 250#, Alum Peg Board, EXT
55-01-3360		1	-- Cmpt Lt, Wall, OSS Access, 18" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-65-6540	< >	1	-- Abv Rr Tndm, Uppr Cmpt, Pntd RU Otsd Cmpt, 68" 68" Wide Compartment
40-60-7115	S >	1	-- 25" Cmpt Height, 25" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-10-2200	>	1	-- SlideMaster Tip-Down Tray, 250# (< 1/4 Depth), Up to 41"W (SMT)
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-15-1200		1	-- Divider, Vert, Bolt-In, 3/16" Alum
45-30-1900		1	-- Turtle Tile, Floor, Cmpt, Uppr Hgh Sde (up to 1/4 depth)
55-01-3360		1	-- Cmpt Lt, Wall, OSS Access, 18" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-68-3662	< >	1	-- Bhnd Rr Outrigger, Full Ht Cmpt, Pntd RU Otsd Cmpt, 37" 37" Wide Compartment
40-60-7146	S	1	-- 54" Cmpt Height, 54" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-06-2100	>	1	-- Slide Tray, 500#, Alum 3/16" (1/4 Dpth), EXT
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
55-01-3380		1	-- Cmpt Lt, Wall, OSS Access, 36" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-69-2600	< >	1	-- Bhnd Rr Outrigger, Platform Access Cavity, Alum T/P, 21" 21" Wide Compartment
40-96-1600	>	1	-- Access Ladder, Aerial, LH, Swing Out & Down, 17"W
54-10-1300		2	-- Step Lt, Fxd /Fldg Step, LED, Ea
40-69-3662	S < >	1	-- Rr of Bdy, Full Ht Cmpt, Hinged Dbl. Dr. 36" 36" Wide Compartment W / Hinged Double Door

PART NO	S	QTY	DESCRIPTION
40-60-7136		1	-- 36" Cmpt Height, 36" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-30-1900		1	-- Turtle Tile, Floor, Cmpt, Uppr Hgh Sde (up to 1/4 depth)
55-01-3380		1	-- Cmpt Lt, Wall, OSS Access, 36" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
		1	RIGHT SIDE COMPARTMENTATION
40-71-0010	< >	1	-- Bhnd Frnt Outrigger, Full Ht Cmpt, Sngl Hngd Dr, 20" 20" Wide Compartment
40-60-7040		1	-- 39" Cmpt Height, 39" Dr Opening, Hinge Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		2	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-30-1700		1	-- Turtle Tile, Floor
55-01-3380		1	-- Cmpt Lt, Wall, OSS Access, 36" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-71-2100	< >	1	-- Bhnd Frnt Outrigger, Turntable Access, Alum T/P, 20" 20" Wide
40-96-2600	>	1	-- Access Ladder, Aerial, RH, Swing Out & Down, 17"W
54-10-1300		2	-- Step Lt, Fxd /Fldg Step, LED, Ea
40-74-6540	< >	1	-- Abv Frnt Tndm, Uppr Cmpt, Pntd RU Otsd Cmpt, 68" 68" Wide Compartment
40-60-7115	S >	1	-- 25" Cmpt Height, 25" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-10-2300	>	2	-- SlideMaster Tip-Down Tray, 250# (1/4 Depth), Up to 41"W (SMT)
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-15-1200		1	-- Divider, Vert, Bolt-In, 3/16" Alum
45-30-1900		1	-- Turtle Tile, Floor, Cmpt, Uppr Hgh Sde (up to 1/4 depth)
55-01-3360		1	-- Cmpt Lt, Wall, OSS Access, 18" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-75-6540	< >	1	-- Abv Rr Tndm, Uppr Cmpt, Pntd RU Otsd Cmpt, 68" 68" Wide Compartment
40-60-7115	S >	1	-- 25" Cmpt Height, 25" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-10-2300	>	1	-- SlideMaster Tip-Down Tray, 250# (1/4 Depth), Up to 41"W (SMT)
45-15-1200		1	-- Divider, Vert, Bolt-In, 3/16" Alum
45-30-1900		1	-- Turtle Tile, Floor, Cmpt, Uppr Hgh Sde (up to 1/4 depth)
55-01-3360		1	-- Cmpt Lt, Wall, OSS Access, 18" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-78-3662	S < >	1	-- Bhnd Rr Outrigger, Full Ht Cmpt, Pntd RU Otsd Cmpt, 62" 62" Wide Compartment
40-60-7146	S	1	-- 54" Cmpt Height, 54" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		2	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-15-1200		1	-- Divider, Vert, Bolt-In, 3/16" Alum
45-16-1100		2	-- Tool Board, Roll Out, 500#, 3/16" Alum (1/4 Depth)
45-30-2000		1	-- Turtle Tile, Floor, Cmpt, Bhnd Rr Whls (1/4 depth)
55-01-3385		1	-- Cmpt Lt, Wall, OSS Access, 48" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
55-06-1100	S	1	--
40-79-3662	S < >	1	-- Rr of Bdy, Full Ht Cmpt, Hinged Dbl Dr, 36" 36" Wide Compartment W / Hinged Double Door

PART NO	S	QTY	DESCRIPTION
40-60-7136		1	-- 36" Cmpt Height, 36" Dr Opening, Roll Up Dr
44-40-1020		2	-- Vents, Compts, Louvers (Ea)
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)
45-30-2000		1	-- Turtle Tile, Floor, Cmpt, Bhnd Rr Whls (1/4 depth)
55-01-3380		1	-- Cmpt Lt, Wall, OSS Access, 36" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
40-95-3100		1	Rr Aerial Bdy Configuration, Roll Up Dr, EXT
55-01-3360		1	-- Cmpt Lt, Wall, OSS Access, 18" LED Tube Lt, (2) Ea Cmpt
55-06-1400		1	-- Cmpt Lt, Dr Swtch, Magnetic, Ea
		1	EQUIPMENT - BODY MOUNTED - EXT AERIAL/PLATFORM
90-02-3660		1	-- Ladder Strge, Rr Slide, Torque Box, EXT Aerial/Platform
90-03-0210		1	-- Ladders, Ground, Provd'd By Manufacturer, Arl/Pltfrm, MN
90-03-3300		1	-- Ladder, Roof, Duo-Safety, 14' Alum 775-A
90-03-3400		1	-- Ladder, Roof, Duo-Safety, 16' Alum 875-A
90-06-4600		1	-- Ladder, Ext, Duo-Safety, 24' Alum, 2 Sect 900-A
90-07-4300		1	-- Ladder, Ext, Duo-Safety, 35' Alum, 3 Sect 1225-A
90-03-0230		1	-- Ladders, Fldg Attic, Provd'd By Manufacturer, MN
90-08-2600		1	-- Ladder, Attic, Duo-Safety, 10' Alum, Fold 585-A
90-16-5420		8	-- Pike Pole Mounting Tube, In Ladder Cmpt
90-16-6110		1	-- Pike Poles Provided by Rosenbauer Aerial/Platform
90-23-1300		1	-- Hook, Roof NY, w/ Grips, 6-ft, Fire Hooks Unlmt
90-23-1400		1	-- Hook, Roof NY, w/ Grips, 8-ft, Fire Hooks Unlmt
90-23-1500		2	-- Hook, Roof NY, w/ Grips, 10-ft, Fire Hooks Unlmt
90-25-7120		1	-- Suction Hose Tray, Single, Left Side Over Cmpts (Ea), EXT
90-25-9100		1	-- Suction Hose Provd'd By, Bdy Bldr, MN
90-25-3120	>	1	-- Suction Hose, Flex, Kochek PVC, 6"x10'-MN
90-25-6100		1	-- Suction Hose Cplgs, Alum, LH FM x RLM
		1	REAR STEP - EXT AERIAL/PLATFORM
44-02-2100		1	-- Rub Rails, Rr Bdy, EXT, Extrd Alum
44-11-5150		1	Whl Well Cmpt, Ahd of Whls Left Side, EXT
44-10-1410	>	1	-- Whl Well Cmpt, Sngl SCBA Tube, Pntd S/S Dr
44-10-6000		1	-- Whl Well Cmpt, SCBA Cmpt Straps
44-11-5250		1	Whl Well Cmpt, Btwn Tndms Left Side, EXT
44-10-7010	S < >	2	-- Whl Well Cmpt, SCBA Pack, Pntd Dr For one or two department supplied complete air packs dependant on size of pack assemblies or possible a water can
44-11-5350		1	Whl Well Cmpt, Bhnd Whls Left Side, EXT
44-07-1700		1	-- Fuel Fill Door Assy, BSST, Poly Pckt, LH Whl Wll Pnl, (Fire Shopp)
44-11-5550		1	Whl Well Cmpt, Ahd of Whls Right Side, EXT
44-10-1410	>	1	-- Whl Well Cmpt, Sngl SCBA Tube, Pntd S/S Dr
44-10-6000		1	-- Whl Well Cmpt, SCBA Cmpt Straps
44-11-5650		1	Whl Well Cmpt, Btwn Tndms Right Side, EXT
44-10-2710	S < >	2	-- Whl Well Cmpt, Triple SCBA Tube, Pntd S/S Dr May possibly choose to have this hold a water can instead of 3 individual SCBA or a water can and a spare SCBA if it will fit
44-10-6000		6	-- Whl Well Cmpt, SCBA Cmpt Straps
44-11-5750		1	Whl Well Cmpt, Bhnd Whls Right Side, EXT
44-10-1410	>	1	-- Whl Well Cmpt, Sngl SCBA Tube, Pntd S/S Dr
44-10-6000		1	-- Whl Well Cmpt, SCBA Cmpt Straps
		1	== EXT Aerial/Platform Common Body Part - 601.022 06/01/22 ==
33-66-1120	>	1	-- Steps, Fldg, Frnt, Left Hand (2), Integral LED Lts

PART NO	S	QTY	DESCRIPTION
33-66-2120	>	1	-- Steps, Fldg, Frnt, Right Hand (2), Integral LED Lts
44-01-1400		1	-- Bdy Trim, Frnt Bdy, Ht of Side Cmpts, Alum T/P
44-01-4020		1	-- Bdy Trim, Rr Bdy, Smooth Alum for Chevron Stripe, EXT
33-70-3101	<	1	-- Handrail, Alum, Lighted, White LED, Top of Bdy Sides, Rr, 12", Pair Locations TBD
33-70-3601	<	1	-- Handrail, Alum, Lighted, White LED, Top of Bdy Sides, Frnt, 12", Pair Locations TBD
44-02-1120		1	-- Rub Rails, Lwr Bdy, EXT, Extrd Alum
60-25-9400	>	1	Shore Power Inlet, Wiring to Interior Cab Rcptcls
60-25-9500	>	1	Shore Power Inlet, Wiring to Interior Bdy Rcptcls
60-25-9610	< >	4	Shore Power Strip, 120V, 15 Amp, 4-Plug Strip Rcptcl Placement locations TBD. Tied to shorepower.
		1	== EXT TA Aerial - Pnt/Ltr/Str - 601.022 06/01/22 ==
80-22-2106		1	Bdy Paint, Aerial, Sngl Color, EXT
80-32-1450		1	Compt Finish, DA Sanded, Up to 12 Cmpts, EXT
80-40-1250		1	Whl Finish, By Chassis Manufacturer
80-42-1500		1	Bdy Paint, Touch Up, 2 oz. Bttl, One Color
80-50-1700	S <	1	\$4,000.00 Graphics Allowance A \$4,000.00 graphics allowance is included in the price for the department to work with us or a graphics supplier to get a quotation on a department approved graphics and lettering scheme. Rosenbauer has separately included the cost of the front and rear reflective chevron.
80-50-4300	< >	1	Lettering, Aerial Sign Panel, 22"x144" Color TBD
80-50-5110	< >	1	Aerial Cylinder Panels, Pntd, EXT Color TBD
80-50-5140		1	-- Aerial Cylinder Panels, Pntd Lower Job Color, EXT
80-72-1110	S <	1	Stripe, Refl, 3M Reflective DOTS Entire Rear Rear face of body diamond plate to be reflective red and amber chevron DOTS.
80-72-1400		2	Stripe, Reflective, Aerial Outriggers, Both Sides of Ea White
80-72-1810		1	Stripe, Reflect, Diamond Grade, Chevron Pattern Rear Roll Up Door Red/Yellow
80-79-1000		1	NFPA Standing / Walking Surfaces Yellow Safety Tape (NFPA 15.7.1.6)
80-80-1200		1	Labels, Aerial Ladder Identification and Safety
90-01-5920		1	Whl Chocks Pair Worden #HWG w/ #U815T Mts

QUOTATION

General Safety Fire Apparatus

Marshall MM Cobra Aerial Device Spec

Exp. Date: 10/27/2022
 Quote No: 10009-0003
 09/07/2022

PART NO	S	QTY	DESCRIPTION
		1	== 100' Technical Information - 0.000 ==
		1	ROSENBAUER AERIAL MODELS
		1	100' FIVE SECTION MID-MOUNT PLATFORM MODEL
00-01-1610		1	-- 100' Five Section, Mid-Mount, Platform
00-01-1620		1	-- 100' Five Section, Mid-Mount, Base Section
00-01-1630		1	-- 100' Five Section, Mid-Mount, Lower-Mid Section
00-01-1640		1	-- 100' Five Section, Mid-Mount, Mid Section
00-01-1650		1	-- 100' Five Section, Mid-Mount, Upper-Mid Section
00-01-1660		1	-- 100' Five Section, Mid-Mount, Fly Section
		1	AERIAL ENGINEERING DRAWINGS
00-03-1110		1	Technical Drawings, Platform
00-03-3000		1	-- Technical Drawings, 12V Electrical Wiring Schematic
00-03-3200		1	-- Technical Drawings, Hydraulic Plumbing Schematic
		1	OPERATIONAL INSTRUCTIONS
00-07-1300	>	1	Platform Operation Instructions, By Aerial Mfg, At FD 3 Days
		1	AERIAL SERVICE and OPERATION MANUALS
00-08-1100		1	Platform Manuals, Operation and Service Manuals, Electronic
		1	AERIAL WARRANTIES
00-09-1210		1	Aerial Warranty, 1 Year, Material & Workmanship
		1	AERIAL TESTING
00-10-1100		1	3rd Party Aerial Testing, NFPA 1901
00-10-2100		1	Performance Testing, Waterway Flow Test, 3rd Party
		1	AERIAL PAINTING & CORROSION PROTECTION
01-00-1410		1	Outriggers, Galvanized, Beam Inner, Jack Tube Pad
00-09-8625		1	-- Outrigger, Galvanized Warranty, 25 Year
01-00-1700		1	Torque Box Galvanized
00-09-8425		1	-- Torque Box, Galvanized Warranty, 25 Year
01-00-2120		1	Galvanized/Painted Ladder Sections: Match Upper Cab
00-09-2230		1	-- Aerial Structural Design Warranty, 25 Years
00-09-7075		1	-- Aerial Ladder Section, Paint Warranty, 1 Year
00-09-8200		1	-- Aerial Ladder Sections, Galvanized Warranty, 25 Years
01-00-1335	>	1	-- Pltfrm Bskt Frame Galv, Frame and Skins Painted, Match Ladder Sections
10-05-1200		1	-- Aerial Ladder Bed, HD, S/S Scuff Plate
		1	== 100' Base Components - 0.000 ==
10-03-1000		1	Rung Cover, High-Traction Material
10-05-1100		1	Aerial Wear Pads, Between Telescoping Sections

PART NO	S	QTY	DESCRIPTION
10-06-1200		1	Sign Panel Brackets, Aerial
10-06-1800	>	1	Rosenbauer "R" Cradle Sign Brackets
10-06-2040		1	Base Markings, Indicate Extension Position, Black
10-07-6140	>	1	Rescue Basket, Outside Base, w/Alum Box, Junkins: JSA-200
10-08-3300		1	Platform Brthg Air System, ASME, (1)6000, (2)Outlets
10-08-5350		1	-- Brthg Air System, 75' Refill Hose, Vlv, w/Quick Connect
10-08-6200		1	-- Brthg Air System, Air Outlet, Quick Cnct, T/table
10-08-7560		1	-- Brthng Air System, Smart Aerial Air Monitor System, T/Tbl-Bskt
10-09-1010		1	-- Breathing Air Bottle(s) Color, Same as Ladder Sections
10-09-2010		1	-- Breathing Air Bottle(s) Marking Color, Same as Extension Markings
		1	== 100' Fly Components - 0.000 ==
00-01-1670		1	100' Five Section, Mid-Mount, Platform Basket
00-02-1920		1	-- Rear Third Door
		1	PLATFORM BASKET COMPONENTS
49-05-0100		1	-- Platform, Lighting , LED
49-05-1000		1	-- Platform Basket, Components, Self Leveling
49-05-1120		1	-- Platform Basket, 8" Extension
49-05-2100		1	-- Platform Extending Arms
49-05-3000		1	-- Mansaver Bar, FRC, Installed Platform Opening
49-05-4020		1	-- Platform Basket, (2) Hoses [1-1/2"], (2) Storage Box, Side Walls
49-05-4710		1	-- Pltfrm Strge Box , Painted Same Color as Pltfrm Basket
49-05-5000		1	-- Bumpers, Platform Step, Rubber
82-48-1060		1	-- Tip Lights, Platform, (1), FireTech HiViz FT-MB-2.18-FT-W
82-48-1220		1	-- Platform DOT Travel Lights: Mid-Mounts
82-49-1140		1	-- Platform Basket Warning Lights: Whelen TION T-Series
82-49-1240		1	-- Pltfrm Bskt Wrng Lts: Whelen (4)Frnt, (1)Each Side (2)Rear
82-49-1310	>	1	-- Platform Basket Warning Lights: Activate Turntable & Cab
82-49-1710		1	-- Platform Basket Warning Lights, Color: Red TIONR
82-49-3140		1	-- SceneLight, Under Basket (1), FRC: Spectra MAX SPA260-K20
82-49-4100		1	-- ==== NO Telescopic Lights - Pick to Select ====
85-49-1200	S <	1	-- Receptacle, Pltfrm Bskt, 120V, 15A, (1)Circuit, (2)Outlets Connection for supplying power through the wire to the basket will be a L14 30C
45-02-1010		1	Roof Ladder, Bolt On, Mnt Bracket, Inside Fly Section
45-02-3524		1	-- Roof Ladder, Duo Safety, 875'A, 16', Alum, Special Width 14"
45-03-1030		1	Pike Pole, Weld Plates, Tip of Fly
45-03-3200		1	-- Pike Pole Bolt On Mounting Brackets, Tip of Fly Section
45-03-4200		1	-- New York Roof Hook, 6', Tip of Fly
45-03-1210		1	Axe Bolt On Mountings Brackets, Platform Basket
45-03-1900		1	-- Axe, Pick Head, 6#, Fiberglass Handle
45-03-2030		1	Halligan Tool, Platform Basket
		1	== 100' Aerial Rotation System - 0.000 ==
		1	AERIAL ROTATION SYSTEM
50-00-1400		1	Platform Rotation System, 48" Bearing, 30 Bolts, Platform
50-00-2010		1	Panel Language: English
50-01-1525		1	Smart Aerial Control, Platform, Turntable, Command Pedestal
50-01-1810	<	1	-- Pedestal Location, Officer Side Officer side controls
50-01-1900		1	-- Aerial Gauges & Visual Display, Feet/Gallons
50-02-1010		1	-- Command Pedestal Lid
50-02-1030		1	-- Platform, Screen & Joystick Protection
50-06-1220		1	-- Turntable, Three Sided
01-00-2020		1	-- Handrails on Turntable, Steel, Line-X Black
01-00-2051		1	-- Handrail Orientation; Straight
50-08-1220		1	-- Safety Bars, FRC, (2), Swing Up At Turntable Openings
50-08-1410		1	-- Mansaver Bar Color; Yellow
50-08-1310	>	1	-- Saw Storage Box on Turntable
50-11-1220		1	-- Turntable, Control Stand & Lid, Line-X Black

PART NO	S	QTY	DESCRIPTION
50-11-1410		1	-- Turntable Control Lid/Door Ajar
65-04-1115		1	-- Outrigger Control Screen, Smart Aerial
90-01-2200		1	-- Hydraulic System, Filter, High Pressure
90-01-3210		1	-- Hydraulic System, Return Filter, Low Pressure
50-07-1100		1	Warning Label, Ladder Control Stands
50-17-1200		1	Air Horn Button, Turntable Panel
50-20-1100		1	=== NO Aerial Lubrication Automatic System - Pick to Select ===
		1	== 100' Torque Box Components - 0.000 ==
		1	TORQUE BOX COMPONENTS
60-00-1120		1	Torque Box
		1	== 100' Outriggers & Stabilizers - 0.000 ==
		1	OUTRIGGERS and STABILIZERS
65-01-1200		1	Outriggers, Smart Aerial Components
65-02-1230		1	Outriggers, 2 Front Out-Down, 2 Rear Out-Down
65-02-2175	>	1	Front Outriggers Directly Behind Cab
65-03-1300		1	Short Jacking, Smart Aerial
65-07-1100	>	1	Outrigger Plates, Auxiliary, 1/2" Alum
65-09-1200		1	Outrigger Stowed Indicator, Light in Cab
		1	== 100' Waterway & Capabilities - 0.000 ==
		1	AERIAL PERFORMANCE CAPABILITIES
70-00-1320		1	Performance Capabilities, Pltfrm, 2000 GPM, -12/+75
70-00-1430		1	-- Waterway 360 Degree 5" Swivel, 3-Port
70-01-1320		1	-- Waterway, Alum, Pltfrm, 5.5"OD Base,5"LM,4.5"Mid, 4"UM,3.5"Fly
70-01-1710		1	-- Waterway Color; Aluminum
70-02-1220		1	-- Waterway, Elkhart, 5" Butterfly Valve, Electrically Operated
70-13-1000		1	-- ===== NO Wireless Radio Remote, Platform - PTS =====
65-04-1330		1	-- Outrigger Control Valves, Electric, (4) Out-Down
65-06-1300		1	-- Outriggers, Automatic Self-Leveling, (4)Extending Outriggers
65-06-1420		1	-- All Jacks Up Switch
70-16-1133	<	1	-- Monitor, TFT, (2), Monsoon, Y4-EP1A-P
			MONITOR
			Two (2) Task Force Tips Monsoon RC, model # Y4-EP1A-P remote controlled aerial ladder monitor shall be provided at the end tip of the aerial .. The monitor shall operate with 12 volt direct current and controlled by a monitor mounted switch panel with functions that control rotations, elevation and nozzle patterns. The monitor shall be compatible with a hard wire touch pad at the aerial control stand and at the platform control stand.
			The electrical controls for the monitor shall be waterproof and utilize current limiting position encoders to protect the drive train at the ends of travel. Monitor will be pre-wired to a control /connection box with 4 feet of wire such that the control connection box is mountable to the ladder at a nearby location. Control box on monitor will contain a membrane switch panel for control of unit from top of the ladder. An electrical connection for a TFT remote control nozzle shall be provided. The monitor shall be equipped with small override knobs for use in the event of power failure of electrical malfunction. The knobs control stainless steel worm gears for rotation and elevation adjustment.
			The monitor shall have the following capabilities: Control box mounted to top center of monitor for maximum clearance Override control shafts shall be short in length to provide maximum clearance Small override knobs installed Horizontal stops preset to 90 degrees left and right of center The rotation of the monitor is 0 degrees below and 0 degrees to 45 degrees below horizontal elevation Flow capability of 2000 GPM with 16 PSI of loss Maximum operating pressure of 200 PSI

PART NO	S	QTY	DESCRIPTION
			For resistance to corrosion the monitor shall be constructed from hardcoat anodized aluminum with silver powder coat interior and exterior finish. A threaded port for an optional pressure gauge shall be provided.
			The monitor shall be designed with a unique waterway that minimizes the path of travel, reduces friction loss and turbulence, and produces a far reaching water stream. The monitor shall be configured with a 4" ANSI 150 flange inlet and 3-1/2" male NH outlet.
70-16-1230	<	1	<p> -- Nozzle, TFT, M-ERP2000-NN Task Force Tips Master Stream, model MS-ERP2000-NN automatic nozzle with electrically operated pattern control shall be provided. The nozzle design shall allow for straight stream through dense wide fog patterns.</p> <p>The nozzle shall have a flow capability of 300 to 2000 GPM at a user adjustable pressure rating of 80 PSI to 120 PSI User shall have the ability to change nozzle operating pressure by means of an adjustment knob with pressure indicator on the front of the nozzle.</p> <p>The electric drive unit shall develop over 400 pounds of torque, be enclosed in a waterproof cast aluminum housing and include a manual override device in the event the power source fails. The unit shall be compatible with a 12 volt power system and require no more than a 3 amp power draw and include a 24" connecting cable.</p> <p>Nozzle stream shaper actuator shall have position encoder for smooth transition between straight stream and fog pattern with fine stream adjustment.</p> <p>For corrosion resistance and durability th nozzle and actuator shall be constructed from hard coat anodized aluminum alloy, include a protective rubber bumper with fog teeth, laser engraved serial number, and reflective labeling.</p> <p>The nozzle shall have a 3-1/2" female NH swivel rocker lug coupling. A weatherproof six-pin electrical connection for use with TFT remote control monitors shall included.</p>
70-18-1410	<	1	<p> -- Stacked Tips, TFT, YST-4NN, Straight Bore Tips Task Force Tips model # YST-4NN smooth bore stacked tips set shall be provided. For corrosion resistance the tip set shall be constructed from hardcoat anodized aluminum alloy. The set shall consist of four (4) tips with the base tip having a 3-1/2" female swivel rocker lug inlet, integral stream straightener and 2-3/4" outlet. The other tip sizes shall be 2-1/2", 2-1/4", and 2". Each tip shall be laser engraved with a flow/pressure chart, orifice size, thread size.</p>
70-18-1660		1	-- Monitor Color, TFT Silver
70-20-1155		1	-- Platform, TFT, (2) Valve Under Monitor, (1) 2-1/2" Discharge
90-20-1010		1	-- Color Camera, Intec: CVC404HXL, Smart Screen Display
70-01-1630		1	Waterway Plumbing, Under Turntable, Aluminum
70-03-1210		1	Waterway, Relief Valve, 2.5", Above Turntable
70-04-1100	>	1	Waterway, Relief Valve & Drain Valve
		1	== 100' Electrical System - 0.000 ==
80-01-1000		1	Platform Converter Package, Standard
80-01-2130		1	Intercom, 2-Station, Turntable & Platform, Atkinson: AD26C & AD26D
80-09-1010		1	Light Housing Color; White
80-10-1270		1	Tracking Lights, Base Section, (2), FireTech HiViz FT-WL-X-5H-FT-W
80-11-0000		1	-- === NO 120V Tracking Lights - Pick to Select ===
87-10-3020		1	Ladder Rung Lights, (2), Red (fly & UM), White (mid), Blue (LM & Base)
		1	== 100' Hydraulic System - 0.000 ==
		1	AERIAL HYDRAULIC SYSTEM
90-00-1200		1	Hydraulic System, 40 Gallon Tank

QUOTATION

General Safety Fire Apparatus

Marshall MM Cobra Commander Chassis Spec

Exp. Date: 09/30/2022
 Quote No: 10007-0013
 09/07/2022

PART NO	S	QTY	DESCRIPTION
		1	== Rosenbauer Commander - 601.022 06/01/22 ==
03-00-0101		1	-- Certification - NFPA
08-09-0103	<	1	-- Cab Paint Warranty Ten Years NON Pro Rated!
08-09-0104		1	-- Cab Structural Warranty Ten Years
08-09-0105		1	-- Transmission Warranty Allison Five Years
08-09-0106		1	-- Engine Warranty Cummins Five Years
08-09-0107		1	-- Frame Warranty Lifetime
08-09-0109		1	-- Front Axle Warranty Hendrickson
08-09-010A		1	-- Rear Axle Warranty Meritor - 5 Year
08-09-0111		1	-- Warranty - Cab and Chassis Two Year
08-09-0301		1	-- Cab Test Information Static Load Seat Test
08-09-0302		1	-- Cab Test Information Crash Test ECE-29
08-09-0303		1	-- Cab Test Information SAE J2420; J2422
08-09-0304		1	-- Cab Test Information Roof Crush, Side & Frontal Impact
08-09-0501		1	-- Operation & Parts List Manuals (2) Sets, USB Drive
08-09-0503		1	-- Engine & Transmission Operation Manuals (1) Set
08-09-0530		1	-- As Built Wiring w/Plumbing Diagram (1) Set
08-09-0540		1	-- On Board USB Manual Storage
08-80-0200		1	-- DOT KIT
		1	VEHICLE TYPE
03-00-0128	>	1	Mid Mount Aerial
03-00-0140		1	-- Standard Crossmembers
07-03-0102	<	1	-- Midship Pump Jackshaft Only Body division mount pump
03-00-0160		1	==== 8 Degree Angle of Approach ====
03-00-0162		1	==== 8 Degree Angle of Departure ====
		1	CAB
03-00-0761	>	1	70" Cab Length 11" Roof
		1	COMMANDER EMS CABINETS - REAR CREW - FORWARD FACING OUTBOARD POSITION
03-05-6400	< >	2	-- Interior Cabinet, Outboard, Fwd Facing, Floor Mtd, With Roll Up Door One each side rear cab corner
03-05-9000	<	4	-- Compartment Shelf 2 each compartment
05-01-1825		2	-- Forward Facing Compartment Interior Finish DA Sand
08-00-0718		2	-- Cmpt Lt, Wall, ROM, V3 LED Track Lt, (1) Ea Cmpt
		1	CAB STEPS
03-06-0010		1	-- Steps Aluminum Treadplate

PART NO	S	QTY	DESCRIPTION
		1	CAB DOORS
03-06-1015		1	-- Cab Entry Doors
03-06-1025		1	-- Full Length Cab Entry Doors
03-06-1100		1	-- Cab Door Hardware Chrome (4)
03-06-1120		1	-- Cab Door Locks Manual
03-06-1135		1	-- Interior 1-Piece Door Panel Type Aluminum
03-06-1205		1	-- Door Panel Finish Line-X Gray
03-06-1226	>	1	-- Chevron, Reflective, Interior Cab Doors, Diamond Grade Red/Yellow
04-05-0105		1	-- Interior Handle Front Door Grab Handles - Black Powder Coat
04-05-0150		1	-- Interior Grab Handle Rear Door Chicago Style 34" Black Powder Coat
04-05-0182		1	-- Additional Grab Handles, "A" Pillar
		1	CAB GLASS
03-08-0014	< >	1	-- Heated Windshield One Piece - COMMANDER Will be switched in Vista on VMUX trucks.
03-08-0102		1	-- Windshield Wiper System Single Motor (2) Wipers - 3D Grille
08-02-0135		1	-- Windshield Wiper Activation Switch on Driver Panel
03-08-0116		1	-- Window Driver Power
08-01-0301		1	-- Power Window Activation, Respective Door
03-08-0118		1	-- Window Officer Power
03-08-0210		1	-- Window Driver Crew Door Power
03-08-0241		1	-- Window Officer Crew Door Power
03-08-0300		1	-- Window Side Middle Driver Fixed 15.5W" x 21.5"H
03-08-0350		1	-- Window Side Middle Officer Fixed 15.5"W x 21.5"H
		1	CAB INTERIOR AND TRIM
04-01-0200		1	-- === 11 Raise Cab 70" Interior Trim ===
03-09-8010		1	-- Cab Insulation Interior Ceiling
03-09-8015		1	-- Cab Insulation Engine Tunnel
03-09-8020		1	-- Cab Insulation Cab Damping
04-01-1100		1	-- Interior Trim Color Gray, 70" -11" Roof
04-01-1120		1	-- Interior Trim Color Gray Rear Wall 11" Roof
04-02-1002		1	-- Suspended Throttle and Brake Pedals
04-02-1125		1	-- Interior Floor Covering Color Black, 70"
04-02-1702		1	-- Interior Trim Sun Visor Tinted
04-02-1798		1	-- Cab Coating Interior Color
05-01-1055		1	-- Cab Coating Interior Gray Polyurethane
		1	CAB DASH AND ENGINE TUNNEL - 70" LONG
04-03-1000		1	-- Cab Dash & Engine Tunnel, Composite Dash
04-03-1012	>	1	-- Cab Dash & Engine Tunnel Line-X Coating Gray
04-03-1204		1	-- Flat Mntg Plate - Engine Tunnel, Composite Dash, Long Tunnel
04-03-2013	< >	1	-- Officer MDT w/Swing Arm Mtd on Engine Tunnel - Small Arm For customer I-Pad
04-03-2100		1	-- Officer Glove Compt - Composite Dash
		1	CUSTOM CONSOLE
04-04-1100		1	-- Havis Console
04-04-1102	>	1	-- Havis Console - Custom Configuration
04-04-1112	< >	2	-- Magnetic Mic Tab(s) Ship Loose
04-04-1116	>	1	-- Black Blank Plate
04-04-1126	>	1	-- Black Plate(s) for Communication Radio
04-04-1136	>	1	-- Black Plates with (2) Power Point & (2) Dual USB Power Point
04-04-1142	>	1	-- Map Light, Federal Signal, LF12TSB-LED
04-04-1152	>	2	-- Open Assy Box - 9 Inch
04-04-1161	>	2	-- Cup Holder, Dual
04-04-1176	>	1	-- Black Plate for Siren

PART NO	S	QTY	DESCRIPTION
04-04-1181	>	1	-- Black Plate for Traffic Advisor
08-01-0140	>	1	-- Instrumentation Panel Inlay - Job Color
		1	CAB EXTERIOR - 70"
		1	CAB HEADER - HEAT AND AC
03-08-4000		1	Cab Header / Heating and AC
05-02-0010	>	1	-- Heating w/ Air Conditioning, Overhead, VMUX
05-01-6010	>	1	-- Cab Paint A/C Condenser on Roof
05-02-0047		1	-- Heater Hose - Silicone
05-02-0200		1	-- A/C Condenser Location Roof Mount Mid Center
05-02-0298		1	-- Cab Circulation Hanging Fans Mid (2) Inboard
05-02-0300	< >	1	-- Auxiliary Defroster Fans
			Will be switched in Vista on VMUX trucks.
05-02-0710	<	1	-- Auxiliary Coolant Heating System w/Hose Insulation ESPAR HEATER
08-02-0121		1	-- Heat & A/C Activation VISTA, Rear Crew Manual
08-02-0104		1	-- Rear Crew Controls Manual - Rear Facing Driver's or Officer's Side Seat - Remote
		1	SEATS
03-09-0100		1	-- Seat Color Gray/Red Seat Belt
03-09-01X1	>	1	-- Seat Driver 911 Seats Inc XL 4-Way Air ABTS
03-09-000A		1	-- Single Retractor Seat Belt - Seats Inc
03-09-0121		1	-- Seat Back Non-SCBA
03-09-02X2		1	-- Seat Mounting Driver Air XL - Seats Inc
03-09-0902		1	-- Seat Material Turnout Tuff
03-09-0920		1	-- Seat Logo Rosenbauer
03-09-3010		1	-- Driver Seat Box Storage Compartment
03-09-3236	>	1	-- Seat Box Driver & Officer Storage Access Doors (2) Driver/Officer
03-09-024B	>	1	-- Seat Officer 911 XL Seats Inc 2-Way Manual ABTS
03-09-000A		1	-- Single Retractor Seat Belt - Seats Inc
03-09-0121		1	-- Seat Back Non-SCBA
03-09-02X6		1	-- Seat Mounting Officer 2-Way XL Seats Inc
03-09-0310		1	-- ==== No Parade Panels ====
03-09-0902		1	-- Seat Material Turnout Tuff
03-09-0920		1	-- Seat Logo Rosenbauer
03-09-3020		1	-- Officer Seat Box Storage Compartment
03-09-033A	>	1	-- Two (2) Outboard Rear Facing Seats - XL
03-09-035A	<	2	-- Seat Crew Rear Facing Outer 911 Seats Inc XL Fixed ABTS Belt Orientation shall pull from outboard shoulder to inboard hip
03-09-000A		2	-- Single Retractor Seat Belt - Seats Inc
03-09-011A		2	-- Seat Back SCBA Halo Center Cushion Release
03-09-0310		2	-- ==== No Parade Panels ====
03-09-038A		2	-- Seat Mounting Rear Facing Outer - XL Seats Inc.
03-09-0902		2	-- Seat Material Turnout Tuff
03-09-0920		2	-- Seat Logo Rosenbauer
03-09-041A	>	1	-- Two (2) Center Forward Facing Seats - XL
03-09-055B	<	2	-- Seat Crew Forward Facing Center 911 Seats Inc XL Flip-up Belt Orientation- LH & RH to Door
03-09-000A		2	-- Single Retractor Seat Belt - Seats Inc
03-09-011A		2	-- Seat Back SCBA Halo Center Cushion Release
03-09-0310		2	-- ==== No Parade Panels ====
03-09-057A		2	-- Seat Mounting Forward Facing Center - XL
03-09-0902		2	-- Seat Material Turnout Tuff
03-09-0920		2	-- Seat Logo Rosenbauer
03-09-3100		1	-- Seat Box (2 person) Forward Facing
03-09-3200	>	1	-- Seat Box (60/54) Forward Facing Storage Access Cutout (1) Center Forward

PART NO	S	QTY	DESCRIPTION
03-09-4001		1	-- Seat Box Finish - Match Cab Interior Coating
04-05-1900		1	-- Exterior Grab Handles 18" Aluminum
04-05-1911		1	-- Exterior Grab Handles Bare Aluminum w/ Lighting
04-05-0211		4	-- Exterior Grab Handles with White LED Lighting 18"
08-01-0800		4	-- Grab Handle LED Light Actvtn w/ Parking Brake
		1	CAB FRONT FASCIA
04-08-0010		1	===== Traditional Front with Rectangular Headlamp Bezels =====
04-08-0101		1	-- Front Grille, 3D Stainless Steel, Custom Backlit Name
04-08-0022		1	-- Wing Light Bezel - Stainless
04-08-0052	< >	1	-- Department Name Laser Cut Center Grille Bar
			MARSHALL
04-08-0055	<	1	-- Grille Back Lighting - Amber Exact color TBD
08-01-1502	>	1	-- Backlit Grille Bar Activation - VMux
04-08-0059		1	-- ===== No Front Grille, Grille Glo =====
04-08-0072		1	-- Front Grille Inlay - Commander - Painted American Flag
06-03-2010		1	-- Fluid Checks & Fills at Grille L9
08-00-0503		1	-- Headlights, Quad, with Rectangular Bezel
08-00-0521		1	-- DRL & Wig Wag, Alternating Headlights - VMUX
08-01-0341	>	1	-- Alternating Headlights Activate VISTA
08-00-0540	< >	1	-- Headlight Location - Upper Bucket 104 OS, 105 OS, and 104 DS, 105 DS
08-00-0602		1	-- Front Turn Signals Whelen 600 LED (2)
08-00-0630	< >	1	-- Turn Signal Located Below Headlights 106 OS & DS
08-00-0608		1	-- Front Marker Lamps Face Mounted LED (Center 3 Lightings, 2 Corner)
08-00-061C		1	-- Side Marker Light LED - Chrome (2)
08-01-0302		1	-- Headlight & Marker Light Activated VISTA
04-08-0151		1	Cab Fender Stainless Steel
04-09-0300		1	Logo, Commander, Cab Sides
04-10-0351		1	Mud Flaps Front
		1	CAB TILT
05-00-0221		1	Cab Tilt System - Heavy Duty w/ Manual Back Up
05-00-0021		1	-- Cab Tilt Limit Switch
05-00-0045		1	-- Cab Tilt Lock Down Indicator
05-00-0100		1	-- Cab Tilt Control Receptacle Temp
		1	REARVIEW MIRRORS
05-00-5005		1	Bus Style Mirrors
05-00-7000		1	-- Ramco-Bus-Drv Dr Mt (CRM-1750PHCHR)-Off Dr Mt (CRM-1750PHCHR)-H&R,H&R(LWR)CVX
08-01-0822		1	-- Rearview Mirror Heat Activated VISTA
		1	EXTERIOR CAB PAINT
05-01-5015		1	Cab Paint Exterior Two Tone
05-01-5020	< >	1	-- Cab Paint Upper / Secondary White to match existing Marshall apparatus
05-01-5021	< >	1	-- Cab Paint Lower / Primary Yellow to match existing Marshall apparatus
05-01-503F		1	-- Cab Paint Exterior Breakline - Paint Break F
05-01-6051		1	-- Cab Undercoating

PART NO	S	QTY	DESCRIPTION
05-01-7000	>	2	-- Paint Spray Out
		1	FRONT AXLE
07-05-010D		1	Front Axle Hendrickson SteerTek 24000#
07-05-0120		1	-- Front Wheel Bearing Lube Oil
07-05-0276		1	-- Front Suspension Hendrickson Parabolic Spring 24,000
07-05-0341		1	-- Power Steering Gear TRW TAS 85 w/Assist- 20K and up - L9 Steertek Axle
07-06-0420		1	-- Chassis Alignment
07-07-0001	>	1	-- 425 Front Tires
07-07-0203	>	1	-- (2) Steer Tires 425/65R 22.5 Michelin XZY3 "L"
07-06-0436	>	2	-- Counter Acting Balancing Beads
07-07-0720	>	1	-- (2) Front Wheels Alcoa Polished 22.5 x 12.25 Aluminum
07-08-0203		1	-- Front Brakes Meritor EX225 Disc 17"
07-05-0315		1	4 Spoke Steering Wheel with ESC Tilt/Telescopic 18"
		1	REAR AXLE
07-06-0112	>	1	Rear Axle, Tandem, 63000# Meritor RT-58-185
07-06-0282		1	-- Rear Suspension Hendrickson ULTIMAAX UMX 63000#
07-08-0110	< >	1	-- Electronic Stability Control Tandem Axle - Two Valve System w/ air manifold
07-05-0500	< >	1	-- Mud/Snow Switch Switch will be in Vista on V-Mux Trucks
07-08-0252	>	2	-- Rear Brakes S-Cam Drum 16.5" x 8.6"
07-06-0300		2	-- Rear Shock Absorbers
07-06-0351	>	1	-- Rear Axle Differential Control w/Interaxle Diff Lock - Tandem Std
08-01-0912	>	1	-- Interaxle Control Activated Vista (Tandem)
07-06-0352	>	1	-- Rear Axle Differential Control driver control locking diff tandem
08-01-0922	>	1	-- Rear Axle Diff Control (DCDL) Activated Vista (Tandem)
07-07-0452		1	-- (8) Rear Tires 315/80R 22.5 Michelin X WORKS XDY "L"
07-06-0436	>	8	-- Counter Acting Balancing Beads
07-07-0833		1	-- (8) Rear Wheels Alcoa Polished 22.5 x 9.00 Aluminum
07-07-0620		1	-- Valve Stem Extension - Tandem Axle
07-07-0993		1	-- Vehicle Top Speed 60
07-08-0189		1	-- Air Tank Brackets - Hot Dipped Galvanized
07-08-0302		1	-- Park Brake Rear w/Supplemental Front
08-02-0130		1	-- Park Brake Control Driver Dash
07-08-0410		1	-- Wabco System Saver 1200
07-08-0558		1	-- Moisture Ejectors Auto Heated
07-08-0570		1	-- Air Supply Lines Nylon
07-08-0725		1	-- Air Horn Reservoir (1) 1200 Cu In
07-09-001C	>	1	Frame Triple Channel 35.00" Frame Width
07-09-0050		1	-- Wheelbase Range 240" - 259"
07-09-0071	>	1	-- Rear Overhang
07-09-0138		1	-- Frame/Front Extension Hot Dip Galvanized
08-09-0200		1	-- Galvanized Frame Warranty BR
07-13-0305	<	1	-- Tow Hooks Chrome - Shipped Loose For body division install
		1	ENGINE
06-00-0050		1	-- Engine Placement
06-00-1640	>	1	-- Engine, Cummins X15, Base Spec, 2021 - Commander
06-00-0052		1	-- Cummins X12 & X15 Surcharge
06-00-1644		1	-- 600HP Cummins X15
06-02-1130		1	-- Fan Clutch - X15
06-04-3010	>	1	-- Fan Clutch Programming - Cold Weather Climate
06-02-1526	>	1	-- Auxiliary Engine Brake Compression Brake (JAKE)
08-01-0202	>	1	-- Auxiliary Engine Brake Control On/Off & Low/Med/High VISTA

PART NO	S	QTY	DESCRIPTION
06-02-2005		1	-- AC Compressor X15, ISM & Export ISL
06-03-1010		1	-- Engine High Idle Speed 1250 RPM
06-03-1023		1	-- Engine High Idle Control Manual & Automatic VISTA
06-05-3030		1	-- Engine Air Intake Filtration and Restriction X15
06-06-3760		1	-- Engine Exhaust System One Piece Officer Side, 565-605 hp, X15, 2021
06-06-4010		1	-- DEF Tank - Commander (With Clearance)
06-06-4100		1	-- DEF Tank Access Fill Door
06-08-0100		1	-- Engine Exh Acc Temp Mitigation
06-08-0200		1	-- Engine Exhaust Wrap
08-02-0140		1	-- DPF Control Regeneration Switch & Inhibit Switch Covered
06-04-2006		1	-- Engine Cooling System- X 15.0L
06-04-4010		1	-- Coolant Valve Shut Off Valve w/Connection - For Additional Heater
06-05-1005		1	-- Engine Pump Heat Exchanger X15
		1	TRANSMISSION
07-01-0102		1	-- Transmission Allison 4000 EVS
07-01-0500		1	-- Transmission Fluid - Standard
07-02-0008		1	-- Transmission GEN V-E Push Button Key Pad
07-02-0013		1	-- Transmission 1 o'clock PTO
07-02-0052		1	-- Transmission Mode Programming 5th Startup/5th Mode
07-02-0066		1	-- Transmission Feature Programming I/O Package 198/Pumper
07-02-0253		1	-- Driveline Spicer 1810 HD
07-04-0108		1	-- Fuel Filter/Water Separator Cummins FS1065
07-04-0320	<	1	-- Fuel Tank 68 Gallon/257 Liter - Dual Fill - Beveled Rear Corner Driver side fuel neck
07-04-0216		1	-- Fuel Lines Aramid Braid
07-04-0225		1	-- Fuel Shutoff Valve (2) at Filter
07-04-0230		1	-- Fuel Cooler Rearward of Battery Box
08-00-0406	>	1	-- Alternator Niehoff 360A - ISX
		1	ELECTRICAL SYSTEM
08-00-0100	>	1	Electrical System 12V DC Weldon V-MUX
08-01-0051		1	-- Driver & Officer VISTA Display Weldon Vista IV
08-01-0054		1	-- Driver Panel / Switch Panel (6 Switches) Under the Vista Screen
08-09-0249		1	-- V-MUX WARRANTY - 4 YEAR
08-02-0512	< >	1	-- Aux Pwr & Gnd Stud 40A Batt Direct Rear of officer seat
08-03-0110	<	1	-- Communication Antenna Base Cab Roof - RBM Supplied Please Specify Location
08-03-0231		1	-- Ant Cable Routing Under Dash Panel
08-04-0999		1	-- === No Stereo Radio In Cab - Pick to Select ===
08-02-0610		1	-- Weldon VDR/Seat Belt Warn - VISTA
08-01-001B		1	-- Commander Analog Gauge Composite Dash
08-01-0010		1	-- Instrumentation Standard Gauge Panel
08-01-0125		1	-- Instrumentation Backlighting Red
08-00-0340		1	6 Battery System
08-00-0322		1	-- Batteries (6) Group 31
08-00-023A		1	-- Battery Box Driver/Officer Side Hot dipped Galvanized Steel w/Covers - 6 Battery
08-00-0248		1	-- Battery Cables (6)
08-00-0251		1	-- Battery Jumper Studs Front Driver Lower Step
08-01-0033	>	1	-- Cole Hersee Ignition Switch & Battery Master w/Push Button Start - Composite Das

PART NO	S	QTY	DESCRIPTION
08-01-0040	>	1	-- Power & Ground Stud 40A Batt Direct / 15A Ignition
08-00-072D		4	-- Ground Lights LED Whelen 3SC0CDCR
08-01-0751		4	-- Ground Lights Activation with Park Brake
08-00-0735		4	-- Cab Step Lights LED (1 Per Step)
08-01-0753		4	-- Step Lights Activated Respective Side
08-00-0742		4	-- Interior Door Warning Lights Red 3" LED
08-00-0783		1	-- Engine Compartment Work Light LED (2)
08-00-0791		1	-- Interior Overhead LED Lighting - Red/Clear
08-00-0812	>	2	-- Add'l LED Dome Lt Red/Clear - Individual Swtchd
08-00-4090	>	1	Dr Open/Hazard Wrn Lt, Flash, Whelen 3SR00FRR LED Rnd (Do Not Move Appar
08-01-2010		1	Back-Up Alarm Ecco 575
		1	HAAS Alert System
08-02-0770		1	-- HAAS Alert System, HA-5
08-02-0775		1	-- HAAS - 5 Year Subscription
08-05-1100		1	Aerial Interface - Rosenbauer Aerial - Multiplex
08-05-2003	<	1	-- Aerial Pre Wire - V-Mux Includes * (3) 2 gauge Batteries cables, 2 red & 1 black - ran down driver's side from forward cross member to extend 5 ft beyond frame - cap both ends * 1/4" fuel line loop from fuel tank aux pick up to aux return down the driver side to the first cross member behind the cab with an additional 10 ft of hose. Mark hose with a sticker to indicate which side of loop is for pick up and return * Arrow Stick Harness from Dash to extend 10 ft beyond end of frame rails * White wires 1-11 and 1 Red wire * (2) Pieces of 1/4" airline to run down the driver side from behind the cab to extend 10 ft beyond the frame rails. * J1939 Wire from rear of cab to extend 10 ft beyond frame rails * V-Mux Wire from rear of cab to extend 10 ft beyond frame rails * Additional Clean Ground Wire from rear of cab to extend 10 ft beyond frame rails for V-Mux
08-05-2022	<	1	-- Cobra Aerial - Mid-Mount - Warning Light Wiring to behind the cab.
		1	360° Camera System
08-06-7012	>	1	360° Camera System with VMUX
08-06-7030	<	1	-- FRC inView 360 Camera System - Driver & Officer Vista The inView 360™ provides the driver with split screen view. The bird's-eye view is always visible providing a 360 view around the apparatus. This unique view allows the operator to see pedestrians and obstacles in close proximity to the apparatus. The second view on the display switches between front/left/right/rear views depending on the operational conditions. The system is networked between the turn signals, and vehicle reverse so the screen automatically switches to left, right, and rear viewing when turning or backing up.

Fwd: Marshall Formal Mid Mount Platform HGAC Proposal

Jake Olsen <jake.olsen@ci.marshall.mn.us>

Thu 9/8/2022 8:13 AM

To: Quentin Brunsvold <quentin.brunsvold@ci.marshall.mn.us>

 5 attachments (1 MB)

Marshall Formal HGAC Mid Mount Platform Proposal PO.pdf; MARSHALL MID MOUNT REVISED COMMANDER CHASSIS SPEC.pdf; MARSHALL MID MOUNT COBRA REVISED BODY SPEC.pdf; MARSHALL MID MOUNT REVISED COBRA AERIAL SPEC.pdf; MARSHALL DRAWING REVISED MARKUP (2).pdf;

That's a bit different than McQueen

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From: Steven Harris <steve@generalsafetyfire.com>

Sent: Thursday, September 8, 2022 7:52:49 AM

To: Jake Olsen <jake.olsen@ci.marshall.mn.us>

Subject: Marshall Formal Mid Mount Platform HGAC Proposal

Good morning Jake. Please find the attached formalized HGAC proposal pricing/PO for your potential new Rosenbauer Minnesota built EXT Cobra Mid Mount Platform. The price listed is the price if the department would not pay for the truck until the truck was completely finished, approx. 600 calendar days after ordering.

If the City / Department takes the progress pay discounts as noted on the proposal by paying the listed chassis amount on its completion (approx. 10-11 months after order) and listed aerial amount payment (approx. 90-120 days after the chassis is done) which is what Marshall has always done with us in the past the price would be \$1,444,961.00.

If instead the City / Department would want to pre-pay for the entire apparatus within 15 days of signed order, you could deduct \$61,263.00 off the \$1,470,838.00 proposed price bringing it down to \$1,409,575.00.

Hopefully this pricing looks attractive to you and Marshall FD can place their confidence in us again. Let me know how we stand and if it looks like you will be recommending us, I will let the plant know and I can make sure that engineering gets that drawing updated with the few markups noted on it.

I appreciate it Jake and I hope we can work with you and your City once again. Thank you. Let me know!

Steven A. Harris

GENERAL SAFETY FIRE APPARATUS

"HELPING YOU SERVE YOUR COMMUNITY"

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