

**Prepared For:**

R-SD Stock CV515 4x4 4dr  
Rosenbauer South Dakota LLC  
PO Box 57  
Lyons, SD 57041-0057  
(605)543 - 5591  
Reference ID: N/A

**Presented By:**

CRAWFORD TRKS. & EQUIP.  
Brian Brakefield  
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ABERDEEN SD 57401 -  
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Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

**Model Profile  
2022 CV515 SFA (CV515)**

<b>AXLE CONFIG:</b>	4X4
<b>APPLICATION:</b>	Rescue
<b>MISSION:</b>	Requested GVWR: 22500. Calc. GVWR: 22500. Calc. GCWR: 26000 Calc. Start / Grade Ability: 36.31% / 2.44% @ 55 MPH Calc. Geared Speed: 102.5 MPH
<b>DIMENSION:</b>	Wheelbase: 199.00, CA: 83.80, Axle to Frame: 49.00
<b>ENGINE, DIESEL:</b>	{International 6.6} EPA 2021, 350HP @ 2700 RPM, 700 lb-ft Torque @ 1600 RPM, 2900 RPM Governed Speed, 350 Peak HP (Max)
<b>TRANSMISSION, AUTOMATIC:</b>	{Allison 2700 EVS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Park Pawl, with 23,500-lb GVW and 26,000 GCW Max, On/Off Highway
<b>AXLE, FRONT DRIVING:</b>	{Dana Spicer 60-256} Single Reduction, 7,500-lb Capacity, with Hub Piloted Wheel Mounting
<b>AXLE, REAR, SINGLE:</b>	{Dana Spicer S16-130} Single Reduction, 15,500-lb Capacity, 190 Wheel Ends Gear Ratio: 4.30
<b>CAB:</b>	Conventional 6-Man Crew Cab
<b>TIRE, FRONT:</b>	(2) 225/70R19.5 Load Range G HYBRID HD3 (CONTINENTAL), 647 rev/mile, 87 MPH, Drive
<b>TIRE, REAR:</b>	(4) 225/70R19.5 Load Range G HYBRID HD3 (CONTINENTAL), 647 rev/mile, 87 MPH, Drive
<b>SUSPENSION, REAR, SINGLE:</b>	15,500-lb Capacity, Vari-Rate Springs
<b>PAINT:</b>	Cab schematic 100CX Location 1: 2484, Red (Custom) Chassis schematic N/A

<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
Base Chassis, Model CV515 SFA with 199.00 Wheelbase, 83.80 CA, and 49.00 Axle to Frame.	4671/2886	7557

### AXLE CONFIGURATION

AXLE CONFIGURATION {Navistar} 4x4	0/0	0
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#### Notes

: Pricing may change if axle configuration is changed.

### ENGINE

ENGINE, DIESEL {International 6.6} EPA 2021, 350HP @ 2700 RPM, 700 lb-ft Torque @ 1600 RPM, 2900 RPM Governed Speed, 350 Peak HP (Max)	0/0	0
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#### Includes

: GLOW PLUG Automatic with Indicator Light  
: OIL FILTER, ENGINE Spin-On Type

CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty	0/0	0
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CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations	0/0	0
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EMISSION, CALENDAR YEAR {International 6.6} EPA, OBD and GHG Certified for Calendar Year 2022	0/0	0
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RADIATOR Aluminum, 3-Row, Down Flow, Front to Back System, 730 SqIn Louvered, with 578 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler	0/0	0
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FAN DRIVE Viscous Type, Screw On, Rear Tether, Electronically Controlled	0/0	0
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AIR CLEANER Single Element, with Water Separator	0/0	0
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GOVERNOR Electronic Road Speed Type; with 75 MPH Default	0/0	0
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THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic Controlled, On/Off Switch Mounted on Dash, with Steering Wheel Button Control	0/0	0
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### TRANSMISSION

TRANSMISSION, AUTOMATIC {Allison 2700 EVS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Park Pawl, with 23,500-lb GVW and 26,000 GCW Max, On/Off Highway	0/0	0
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NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released	0/0	0
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PTO LOCATION Customer Intends to Install PTO at Right Side of Transmission	0/0	0
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SHIFT CONTROL PARAMETERS {Allison} 1000 or 2000 Series Transmissions, Performance Programming	0/0	0
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TRANSFER CASE {Meritor MTC-3203} 2-Speed, Gear Drive, 3,000 lb-ft Torque Rating, Less PTO Provision, Electric Shift Control	159/29	188
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#### Notes

: Transfer Case Includes 40W Synthetic Lube

### REAR AXLES, SUSPENSIONS

AXLE, REAR, SINGLE {Dana Spicer S16-130} Single Reduction, 15,500-lb Capacity, 190 Wheel Ends . Gear Ratio: 4.30	0/12	12
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SUSPENSION, REAR, SINGLE 15,500-lb Capacity, Vari-Rate Springs	0/41	41
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AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints	0/0	0
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<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
DIFFERENTIAL, LOCKING {Dana Spicer Trac-Lok} Torque Proportioning Limited Slip	0/0	0
SHOCK ABSORBERS, REAR (2)	0/50	50
<b>FRONT AXLES</b>		
AXLE, FRONT DRIVING {Dana Spicer 60-256} Single Reduction, 7,500-lb Capacity, with Hub Piloted Wheel Mounting	155/0	155
AXLE, FRONT DRIVING, LUBE {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints	0/0	0
<b>FRONT SUSPENSIONS</b>		
SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 7,500-lb Capacity, with Shock Absorbers	31/0	31
<b>CABS, COWLS, BODIES</b>		
CAB Conventional 6-Man Crew Cab	336/230	566
<u>Includes</u>		
: CAB DOOR LOCKS Power Door Locks All Doors		
: DOME LIGHT, CAB with OFF/DOOR/ON Settings; Located in Overhead Console		
: READING LIGHT, CAB Located in Overhead Console		
: STEP (4) One Step Per Door		
: STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door		
AIR BAG, FRONT, DRIVER SIDE	0/0	0
AIR BAG, FRONT, PASSENGER SIDE	0/0	0
AIR BAG, SIDE, DRIVER Seat Mounted, Outboard Side-Impact Airbag	0/0	0
AIR BAG, SIDE, PASSENGER Seat Mounted, Outboard Side-Impact Airbag	0/0	0
AIR BAG, SIDE CURTAIN Roof Mounted, for Front and Rear Outboard Seating Positions for Driver and Passenger Sides	0/0	0
AIR CONDITIONER with Heater, Single Zone	0/0	0
CAB INTERIOR TRIM Diamond, for Crew Cab	0/0	0
COLOR, INTERIOR Dark Ash	0/0	0
CONSOLE, BETWEEN SEATS Floor Mounted, Reconfigurable with Movable Cup Holders, Cell Phone Storage, (1) 12 Volt, Cigar Type Receptacle, (2) USB Ports, and Hanging File Holder Capability	0/0	0
DOOR HANDLE, EXTERIOR Bright Finish	0/0	0
GAUGE CLUSTER English Speedometer, Includes English Odometer; Includes 4.2" Color Display with Personalization, Warning Messages and Vehicle Information	0/0	0
GLASS, ALL WINDOWS Deep Tinted, Rear Glass Only on Day Cab, Rear Doors and Rear Glass on Crew Cab	0/0	0
KEYLESS ENTRY SYSTEM REMOTE with Panic Alarm and Horn Beep Lock Confirmation, Includes Two Key Fob Transmitters	0/0	0
MIRROR, INSIDE REAR VIEW Omit	0/0	0
MIRRORS (2) Manual Folding and Extending, Power Adjust, Heated, Turn Signal Indicator Located in Mirror, Bright Heads and Arms, for 96" Load Width	5/0	5
SEAT BELT All Red; 4 to 6	0/0	0

<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
SEAT, DRIVER Non-Suspension, High Back with Adjustable Headrest, 10-Way Power Adjustable, Cloth, Power Lumbar	0/0	0
SEAT HEATER, FRONT for Driver and Passenger Seats	0/0	0
SEAT, PASSENGER Non-Suspension, High Back with Adjustable Headrest, 6-Way Power Adjustable, Cloth, Power Lumbar	0/0	0
SEAT, REAR BENCH, Cloth	0/0	0
SUN VISOR, INTERIOR with Illuminated Mirror for Driver and Passenger Sides	0/0	0
WINDOW, POWER (4) in Left and Right Doors, Front and Rear	0/0	0
<b>FRAMES</b>		
FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield), Straight Top Flange with Contoured Bottom, Height Transitions from 7.375" (187.325mm) to 9.125" (231.775mm) to 7.625" (193.675mm); Width: 3.079" (78.21mm); Thickness: 0.3125" (7.94mm); 383.3" (9735.8mm) Max OAL	92/78	170
BUMPER, FRONT Contoured, Steel, Chrome Plated, for CV and RE Bus	0/0	0
SKID PLATE Steel, Frame Mounted, Protects the Transfer Case from the Ground	50/14	64
TOW HOOK, FRONT (2) Frame Mounted	13/-1	12
WHEELBASE RANGE 185" (470cm) Through and Including 236" (600cm)	10/30	40
<b>BRAKES</b>		
BRAKE SYSTEM, HYDRAULIC {Bosch} Split System, with Four Channel ABS, Traction Control, Electronic Stability Control, Hydromax Brake Booster with High Speed Master Cylinder and Trailer Sway Control	0/0	0
BRAKE, PARKING {Bosch} DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Foot Operated in Cab; Differential Mounted	0/0	0
BRAKES, FRONT {Meritor Quadraulic} Hydraulic Disc Type, with Four 64mm Diameter Pistons, 8,000-lb Capacity	0/0	0
DUST SHIELDS, FRONT BRAKE for Hydraulic Brakes	0/0	0
BRAKES, REAR {Meritor Quadraulic} Hydraulic Disc Type, with Four 64mm Diameter Pistons, 15,500-lb Capacity per Axle	0/0	0
DUST SHIELDS, REAR BRAKE for Hydraulic Brakes	0/0	0
<b>STEERING</b>		
STEERING GEAR {Bosch S2 8014 Plus} Power	0/0	0
STEERING COLUMN Tilting	0/0	0
STEERING WHEEL 4-Spoke; 15" Dia., Black, Leather Wrapped	0/0	0
<b>DRIVELINES</b>		
DRIVELINE SYSTEM {Dana Spicer} SPL100 Main Driveline, Direct Mount Transfer Case to Transmission, SPL70 Driveline to Front Axle, for 4x4	0/2	2
<b>EXHAUST SYSTEMS</b>		
EXHAUST SYSTEM Horizontal, Frame Mounted Right Side, Under Rail, for Single Exhaust	0/0	0

<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
ENGINE EXHAUST BRAKE for International 6.6 Engine	0/0	0
MANUAL REGEN Capability	0/0	0
TAIL PIPE (1) Horizontal, Exits Right Side Ahead of Rear Wheel	2/25	27

**ELECTRICAL SYSTEMS**

ELECTRICAL SYSTEM 12-Volt for CV Model	0/0	0
<u>Includes</u>		
: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover		
: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever		
: PARKING LIGHT PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light		
: TURN SIGNALS, FRONT Includes Reflectors and Solid State Flashers; Flush Mounted		
: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature, Integral with Turn Signal Lever		
ALTERNATOR {Denso SC6} Brush Type, 12 Volt, 220 Amp Capacity	4/0	4
BATTERY BOX Steel, with Plastic Cover, 2 Battery Capacity, Parallel to Rail, 28" Wide, Mounted Left Side Under Cab	0/0	0
BATTERY SYSTEM {VARTA} Maintenance-Free, (2) 12-Volt 1300CCA Total, Top Threaded Stud	0/0	0
BODY BUILDER WIRING Rear of Frame; Includes One Sealed Connector for Separate Ground/Backup/ Left and Right Hand Turn, Left and Right Hand Tail/Stop/ Accessory Power and Combined for Left and Right Hand Stop/Turn	0/3	3
CAMERA SYSTEM, REAR VIEW Includes Camera, Mounting, Wiring and Interface to the Monitor, for the Back-up Camera System	1/1	2
CLEARANCE/MARKER LIGHTS (5) Amber LED Lights, Flush Mounted on Cab	0/0	0
COMPACT DISC PLAYER with MP3	2/0	2
FOG LIGHTS (2) Clear Lens, Halogen, Rectangular, with White Light Source	12/-1	11
HEADLIGHTS Halogen, Composite Aero Design, Chrome Trim Bezel, with Daytime Running Lights	0/0	0
HORN, ELECTRIC (2) Disc Style	2/0	2
POWER INVERTER 12 Volt DC to 110 Volt AC	2/0	2
RADIO AM/FM/Bluetooth/USB Input/Auxiliary Input/SD Card Slot, with 8" Color Touch Panel Display, Voice Activated Technology, Satellite Radio Compatible	0/0	0
SPEAKERS (6)	2/0	2
STARTING MOTOR 12 Volt	0/0	0
STOP, TURN, TAIL & B/U LIGHTS Multi-Function, Sealed, Incandescent Stop, Turn and Tail Lights, Backup Lights with Rear Reflex Reflector, Includes License Plate Light	0/0	0
SWITCH, AUXILIARY 1 to 4 Latching Switches with 30-Amp Fuses	0/0	0
TAIL LIGHT WIRING MODIFIED Includes: Wiring for Standard Lt & Rt Tail Lights; Separate 8.0' of Extra Cable Wiring for Lt & Rt Body Mounted Tail Lights	0/2	2
TRAILER BRAKE CONTROL Integrated	5/14	19
TRAILER CONNECTION SOCKET Mounted at Rear of Frame, Wired for Turn Signals Combined with Stop, Compatible with Trailers with Combined Stop, Tail, Turn Lamps	7/-1	6

**FRONT END**

<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
FRONT END Tilting, Fiberglass, with Three Piece Construction	0/0	0
BUG SCREEN Mounted Behind Grille	0/0	0
FENDER EXTENSIONS Painted	0/0	0
GRILLE Chrome, with Chrome Headlight Bezels	0/0	0
LOGOS EXTERIOR Model Badges	0/0	0
RADIATOR STONE GUARD Mounted to Front Bumper	4/0	4

**SPEEDOMETER, TOOLS, MISC**

PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
GVWR WEIGHT CLASSIFICATION Class 6 (19,501-26,000 lbs)	0/0	0
PAINT CLASS Single Custom Color	0/0	0

**FUEL TANKS**

FUEL TANK Top Draw, Plastic, Rectangular, 17" Tank Depth, 40 US Gal (151L), Includes Auxiliary Draw Port and Fuel Filler Assembly, Mounted Between Frame Rails and Behind Rear Axle	0/0	0
DEF TANK 6.75 US Gal (26L) Capacity, Frame Mounted Outside Right Rail, Under Cab	0/0	0

**WHEELS, TIRES - FRONT**

WHEELS, FRONT {Alcoa 76543} DISC; 19.5x6.75 Rims, Mirror Polish Aluminum, 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	-62/0	-62
(2) TIRE, FRONT 225/70R19.5 Load Range G HYBRID HD3 (CONTINENTAL), 647 rev/mile, 87 MPH, Drive	8/0	8

**WHEELS, TIRES - REAR**

WHEELS, REAR {Alcoa 76543} DUAL DISC; 19.5" Mirror Polish Aluminum Outer Wheel and Steel Inner Wheel, 8-Stud (275MM BC) Hub Piloted, Flanged Nut, Metric Mount, 6.75 Rims; with Steel Hubs	0/-125	-125
(4) TIRE, REAR 225/70R19.5 Load Range G HYBRID HD3 (CONTINENTAL), 647 rev/mile, 87 MPH, Drive	0/16	16

**WHEELS MISC OPTIONS**

COATING IDENTITY, FRONT WHEELS {Alcoa Dura-Bright XBR/EVO} Disc Front Wheels, Aluminum, with Vendor Applied Treatment, Not for Wide Base	0/0	0
COATING IDENTITY, REAR WHEELS {Alcoa Dura-Bright XBR/EVO} Disc Rear Wheels, Aluminum, with Vendor Applied Treatment, Not for Super Single/Wide Base	0/0	0

**Services Section:****WARRANTY**

WARRANTY Standard for CV515, Effective with Vehicles Built December 3, 2018 or Later, CTS-3000A	0/0	0
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<b>Total Component Weight:</b>	<b>5511/3305</b>	<b>8816</b>
<b>Body/Allied Equipment</b>		
<b>Description</b>	<b><u>F/R Wt</u></b>	<b><u>Tot Wt</u></b>
<b>Goods Purchased</b>		

Description

F/R Wt Tot Wt  
(lbs) (lbs)  
F/R Wt Tot Wt

Description

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.