

METRO-NORTH RAILROAD

SPECIFICATION 3D5

Revised 11/15

General Description: **5 MAN ENCLOSED "CREW" VAN**



<u>Item</u>	<u>Minimum Specification Component, Size and Capacities</u>	<u>Vendor Please State: Specific Component, Size and Capacities To Be Supplied</u>
1.00 Make/Model	Specify: Vehicle Make : _____ , Model: _____ (Ford E Series w/crew van option # 15A)	_____.
1.00a Event Data Recorder	Is this vehicle equipped with an Event Data Recorder installed by the chassis manufacturer.	<u>YES / NO</u>
1.01 GVW	8,600 lbs. (min.)	_____ <u>G.V.W.</u>
1.02 Payload	Basic Chassis 3,000 lbs. (min.)	_____ <u>lbs.</u>
1.02 Wheelbase	135" (approx.)	_____ <u>"W.B.</u>
1.04 Height (max.)	Please state. (All vehicles with an unloaded height of over 11 ft. placards showing the maximum vehicle height are to be placed on the body near the highest point, and on the instrument panel, both within the drivers line of sight.	_____.
1.10 Frame	H.D. truck frame. RBM to be consistent with G.V.W. and wheelbase requirements.	_____.
1.11 Front axle	Non-Driving, 3,800 lbs. (min.)	_____.
1.12 Rear axle	Driving, 6,000 lbs. (min.)	_____.

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1.13a Front suspension	3,800 lbs. total (min.) w/H.D. stabilizer bar.	_____.
1.13b Rear suspension	5,300 lbs. total (min.)	_____.
1.14 Steering	Full power	_____.
1.15 Transmission	H.D. 4 speed automatic/OD	_____.
1.16a Front tow hooks	N.A.	_____.
1.20a Tires & wheels	LT 225/75R16E mounted on H.D. rims. M+S tread front and rear.	_____.
1.20b Spare/mounting	M+S Tread mounted on rim with tools provided, and mounted in a carrier. If mounted outside vehicle, must be a locking carrier.	_____.
1.20c Tire clearance	Sufficient clearance to be maintained up to rated G.V.W.	_____.
1.30 Brakes, type	H.D. disc front/rear, Power assisted w/four wheel ABS.	_____.
1.40 Engine	Gasoline engine V8. 5.4 Lt. disc. (min.)	_____.
1.41 Cooling system	H.D. system protected to -30°F.	_____.
1.42 Fuel system	30 gallon cap.(min.) Locking fuel caps.	_____.
1.42a Fuel types	Vehicle must be capable of operating on reformulated gasoline or diesel fuel as defined in the Federal Clean Air Act (CAAA), and N.Y.S. Clean Fuel Fleet Program.	_____.
1.43 Electrical system	Alt. 120 amp.(min.),Battery 450 CCA@0°F.	_____.
1.45 Exhaust system	To be shielded to prevent overheating and contact with body and be routed to prevent fumes from being discharged at operators station.	_____.
1.50 Body type	Enclosed van with right side panel doors with windows & rear panel doors w/windows (no rear quarter windows).	_____.
1.51a Interior seating	2 Front,1 Rear x 3 upholstered in H.D. vinyl, w/high back (or individual headrests). Seat belts included for each passenger. Driver and right passenger dual air bags.	_____.
1.51b Interior	Headliner over drivers & passenger compartments, arm rests on each front door, full length rubber floor covering, dual front sun visors.	_____.
1.51c Instruments	Include: Speedometer/odometer, ammeter or voltmeter fuel & temp. gauges, oil pressure light.	_____.
1.52a Interior lights	Door and dash operated.	_____.
1.52b Horn	Electric	_____.

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1.52c Wiper/washer	Two Speed Electric w/intermittent.	_____.
1.52d Heater/AC	Heater/Air Conditioner w/manual temp. control, factory installed.	_____.
1.52e Radio	Std. AM/FM	_____.
1.53a Reflector kit	Dot approved triangle kit.	_____.
1.53b Fire extinguisher	10BC (Min.) cab mounted, secured with a quick release strap type clip.	_____.
1.53c Shipping paper pouch	10"x15" w/clear vinyl front, mounted on inside of drivers door. J.J.Keller DR-8-R (or equal).	_____.
1.54a Hood lock	Inside Cab.	_____.
1.54b Mirrors	Dual, OEM, below eye level, manual foldaway mirrors w/convex section. Min. approx. size: 9" x 6.5".	_____.
1.54c Grab handles	N.A.	_____.
1.54d Backup alarm	Audible type, frame mounted.	_____.
1.54e Backup Camera	OEM backup camera w/ built in dash mounted monitor or aftermarket rear vision camera system w/ 5" monitor, LED backlit display, 180 degree view, automatic trigger when transmission place in reverse mounted to dash area in drivers full view w/o obstructing view out windshield (Zone Defense ZD.322.R or approved equal)	_____.
1.56a Rust proofing/ undercoating (cab & body)	Std. Vehicle and Truck Body Manufacturers process permitted if 5 year Rust Perforation Warranty is included with vehicle and truck body. Otherwise a non-hardening rust proofing process such as Tufflex, or Ziebart must be applied	

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	to: all fender, hood, trunk, door cowl, rocker, body and engine compartment panel inside surfaces.	_____.
1.57a Exterior paint	Mfgs. standard polyurethane enamel, Choice of all factory colors.	_____.
2.00 Hi-Rail gear	N.A.	_____.
3.00 Body		
3.01a Right side door	60/40 panel type doors w/windows, interior door pulls, locking and handles (60 door to include a flip out window).	_____.
3.01b Rear doors	Panel type doors with windows. Nevlen Model 40 (or equal) wire screen to be installed on interior of door glass.	_____.
3.02 Cargo, cab partition	Adrian Metal Products (or equal), Drivers side solid panel #31, Center panel #M1 solid panel, Curbside panel C1 solid panel. (or an expanded metal bulkhead). Head impact pads (3), Model 5322 mounted behind rear seat.	_____.
	Specify: Make: _____ Model: _____.	_____.
3.03 Compartment	Utility compartment module, over drivers side wheel well. Adrian Metal Products (or equal) #46.	_____.
	Specify: Make: _____ Model: _____.	_____.



3.04 Floor mat	Full size 1/4"thick rubber mat to cover entire cargo area. Adrian Metal Products Series 88 (or equal).	_____.
4.00 Misc. body items		
4.03 Wiring	All wiring to be routed in plastic wire looms. To be secured by tiedowns and fasteners. Rubber grommets to be used wherever	

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	wiring passes through a body panel. Wires must not be allowed to droop be subject to being pulled or pinched.	_____.
4.04 Lighting	To Conform to FMVS 108.	_____.
4.04a Rear lighting	Mfgs. Standard body lighting	_____.
4.04b License plate bracket	Illuminated Type with Armored Lens. Signal Stat 9365W (or equal) (Req,d if standard light is obscured due to equip. installation.)	_____.
5.00 Misc.		
5.01a Manuals	Supply the following at time of delivery.	_____.
5.01b Vehicle (operators)	One per vehicle plus one for files.	_____.
5.01c Vehicle service (chassis)	Two sets per order	_____.
5.02a Warranty	To be completed and supplied at time of delivery. Warranty on Vehicle and Components will start at in service date by Metro-North.	_____.
5.04a Inspection	All vehicles are subject to Inspection by Metro-North Automotive during assembly.	_____.
5.06 Keys	Two complete sets of keys for chassis, body, and all locking components, each identified with key codes are to be supplied. However, if chassis manufacturer supplies an ignition switch which requires a key with an electronically encoded chip, four (4) sets of fully functional ignition keys are to be supplied with the vehicle.	_____.
5.07 Striping	The vehicle cab and body shall be striped and decaled both sides. The striping package shall consist of one, 4 inch wide stripe, MTA Metro North Railroad logo on both front door and rear of vehicle, US DOT decal (vehicles w 10,000 lb or greater GVW), Vehicle numbers on both sides and rear. See Attached Spec Due to the various cab and body configurations, all striping will not commence without the prior approval of the Assistant Director of Automotive or his designee, for the proper configuration.	_____.
6.00a Weight analysis	Vehicle cargo capacity may not be less than the minimum shown. M-N reserves the right to weigh a sample vehicle(s) to verify the capacity.	
	a. Basic chassis	_____ lbs.
	b. Miscellaneous components	_____ lbs.
	c. Total	_____ lbs.
	d. Remaining capacity	_____ lbs.
	e. Minimum cargo capacity required	_____ <u>3,000lbs.</u>
6.01 Emission/safety requirements	Vehicle(s) are to be in compliance with Federal and New York State Safety & Emission requirements for current model year	

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	vehicles, to permit registration of vehicle in New York State.	_____.
6.02 Layout drawing	If requested, the vendor is to supply a layout drawing (to scale) to clarify any engineering point, or component placement.	_____.
6.03 Price breakdown (per unit)	Chassis	_____.
	Body	_____.
	Training & Misc.	_____.
	Total Price	_____.
6.04 Assembly	Point of Completed Vehicle Assembly	_____.

OPTIONS

OP-1 Strobe light	Warn Model 851 Super Hi-Intensity, or Federal model 34012 (or equal) Color: amber, Mounted on center of cab enclosed in an expanded wire mesh cover. Controlled by a dash mounted switch w/pilot light and labeled.	_____.
	Total Option Price	_____.
OP-2 Ladder racks	Adjustable overhead ladder and material rack w/slide down ladder retainer on curb side. Crown Metal Products L4063 w/Slide down upgrade L124. (or equal).	_____.
	Total Option Price	_____.

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