

[HISTORY - Bollinger Motors - YouTube](#)



**BOLLINGER MOTORS**  
**COMMERCIAL TRUCKS**

# DEVELOPING ALL-ELECTRIC TRUCKS SINCE 2015

>2



**B1**



**B2**





# CLASS 4 THRU CLASS 6 CAB CHASSIS COMMERCIAL VEHICLES

>3



OAK PARK, MI 



## BOLLINGER B4 CLASS 4 ALL-ELECTRIC CHASSIS CAB

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# CLASS 4

<b>BATTERY</b>	<b>2 PACKS – 158 KWH</b>	<b>GVWR</b>	<b>15,995 LBS</b>
<b>RANGE</b>	<b>185 MILES</b>	<b>PAYLOAD</b>	<b>7,080 LBS</b>
<b>CHARGING (20 – 80%)</b>	<b>J1772 CCS</b>	<b>WHEELBASE</b>	<b>158"</b>
<b>LEVEL 2</b>	<b>4.9 HOURS @ 80 AMPS</b>	<b>CAB TO AXLE</b>	<b>136"</b>
<b>LEVEL 3</b>	<b>1.2 HOURS @ 200 AMPS</b>	<b>TURN CIRCLE</b>	<b>44'</b>
<b>POWER</b>	<b>323 HP, 240 kW PEAK</b>	<b>CAB TO BOX</b>	<b>4"</b>
<b>TORQUE</b>	<b>675 FT LBS, 915 NM</b>	<b>FRAME HEIGHT</b>	<b>30"</b>
<b>REAR AXLE</b>	<b>DUAL WHEEL RWD</b>	<b>FRAME WIDTH</b>	<b>40"</b>
	<b>GAWR – 10,500 LBS</b>	<b>BODY LENGTH</b>	<b>16 – 18'</b>
<b>FRONT AXLE</b>	<b>SOLID BEAM</b>		
	<b>GAWR – 6,500 LBS</b>		
<b>TIRE SIZE</b>	<b>225/70R19.5</b>		



**PER CUSTOMER FEEDBACK: MEDIUM DUTY TRUCKS, ON AVERAGE, ARE DRIVEN LESS THAN 100 MILES PER DAY**

All data preliminary and subject to change. Range estimated at half payload, running a typical urban delivery route.





## BOLLINGER B5 CLASS 5 ALL-ELECTRIC CHASSIS CAB

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# CLASS 5

<b>BATTERY</b>	<b>2 PACKS – 158 KWH</b>	<b>GVWR</b>	<b>19,500 LBS</b>
<b>RANGE</b>	<b>160 MILES</b>	<b>PAYLOAD</b>	<b>11,300 LBS</b>
<b>CHARGING (20 – 80%)</b>	<b>J1772 CCS</b>	<b>WHEELBASE</b>	<b>158 - 178"</b>
<b>LEVEL 2</b>	<b>4.9 HOURS @ 80 AMPS</b>	<b>CAB TO AXLE</b>	<b>136 - 156"</b>
<b>LEVEL 3</b>	<b>1.2 HOURS @ 200 AMPS</b>	<b>TURN CIRCLE</b>	<b>48'</b>
<b>POWER</b>	<b>323 HP, 240 kW PEAK</b>	<b>CAB TO BOX</b>	<b>4"</b>
<b>TORQUE</b>	<b>675 FT LBS, 915 NM</b>	<b>FRAME HEIGHT</b>	<b>30"</b>
<b>REAR AXLE</b>	<b>DUAL WHEEL RWD</b>	<b>FRAME WIDTH</b>	<b>40"</b>
	<b>GAWR – 13,500 LBS</b>	<b>BODY LENGTH</b>	<b>16 – 20'</b>
<b>FRONT AXLE</b>	<b>SOLID BEAM</b>		
	<b>GAWR – 7,500 LBS</b>		
<b>TIRE SIZE</b>	<b>225/70R19.5</b>		



**PER CUSTOMER FEEDBACK: MEDIUM DUTY TRUCKS, ON AVERAGE, ARE DRIVEN LESS THAN 100 MILES PER DAY**

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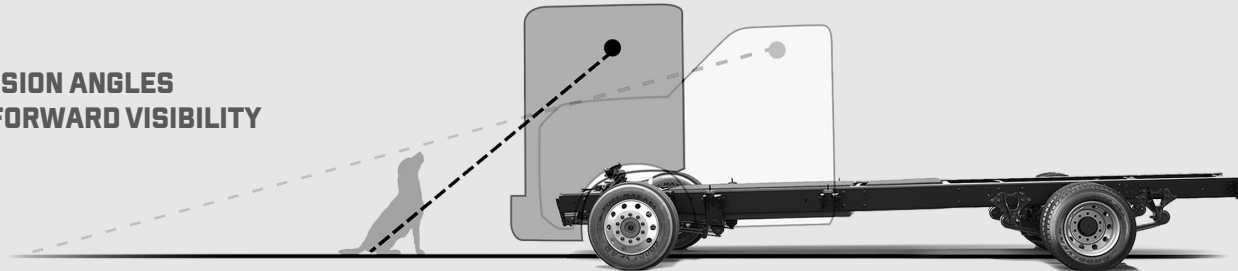


# LOW CAB FORWARD OFFERS MORE CARGO SPACE AND IMPROVED SAFETY OVER TRADITIONAL CABS

**INCREASED CARGO VOLUME  
AND UPFITTER OPTIONS  
VS CONVENTIONAL CAB LAYOUT**



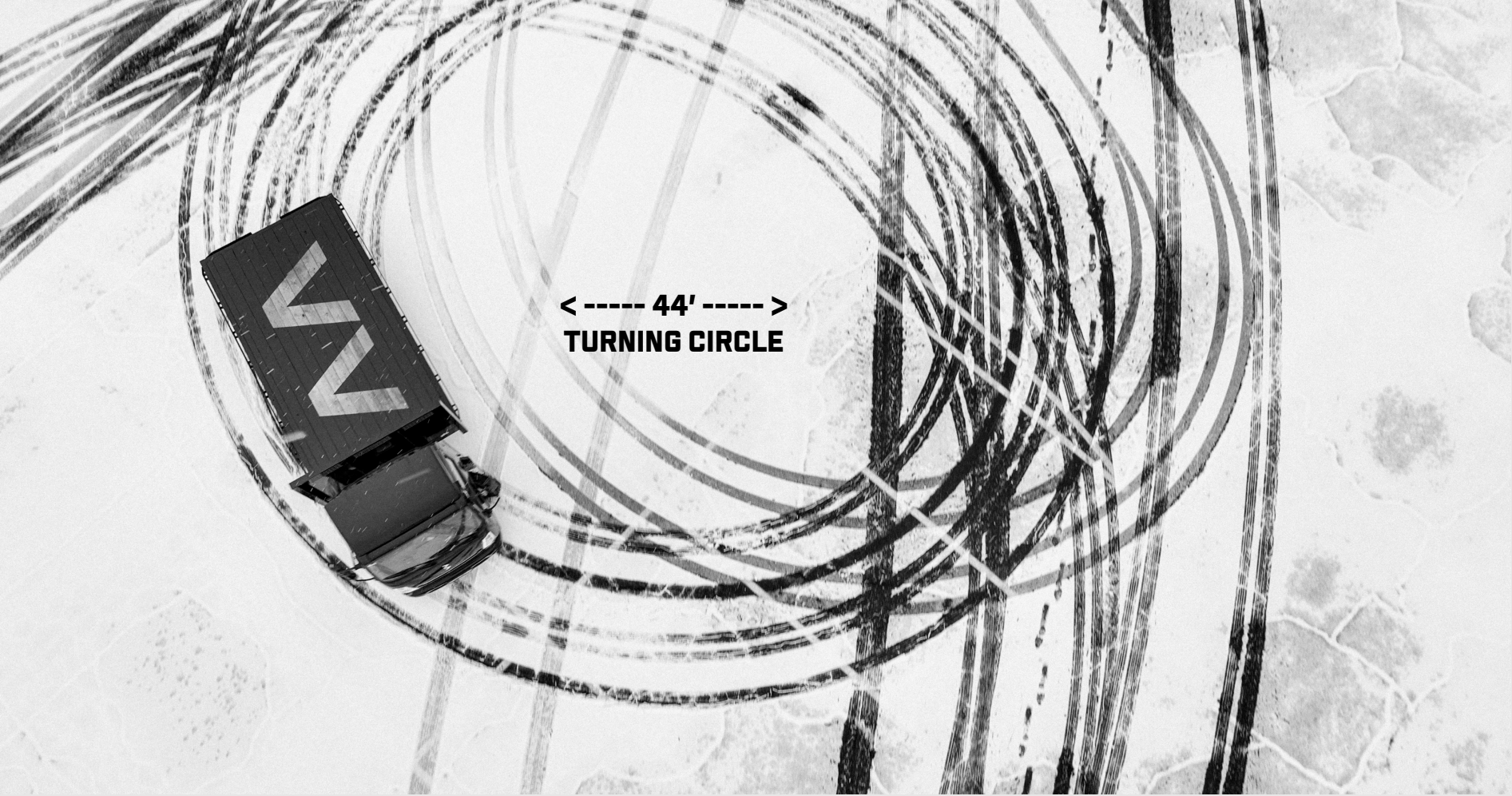
**BETTER DOWN-VISION ANGLES  
FOR INCREASED FORWARD VISIBILITY**



**BACKUP CAMERA  
STANDARD ON ALL TRUCKS**



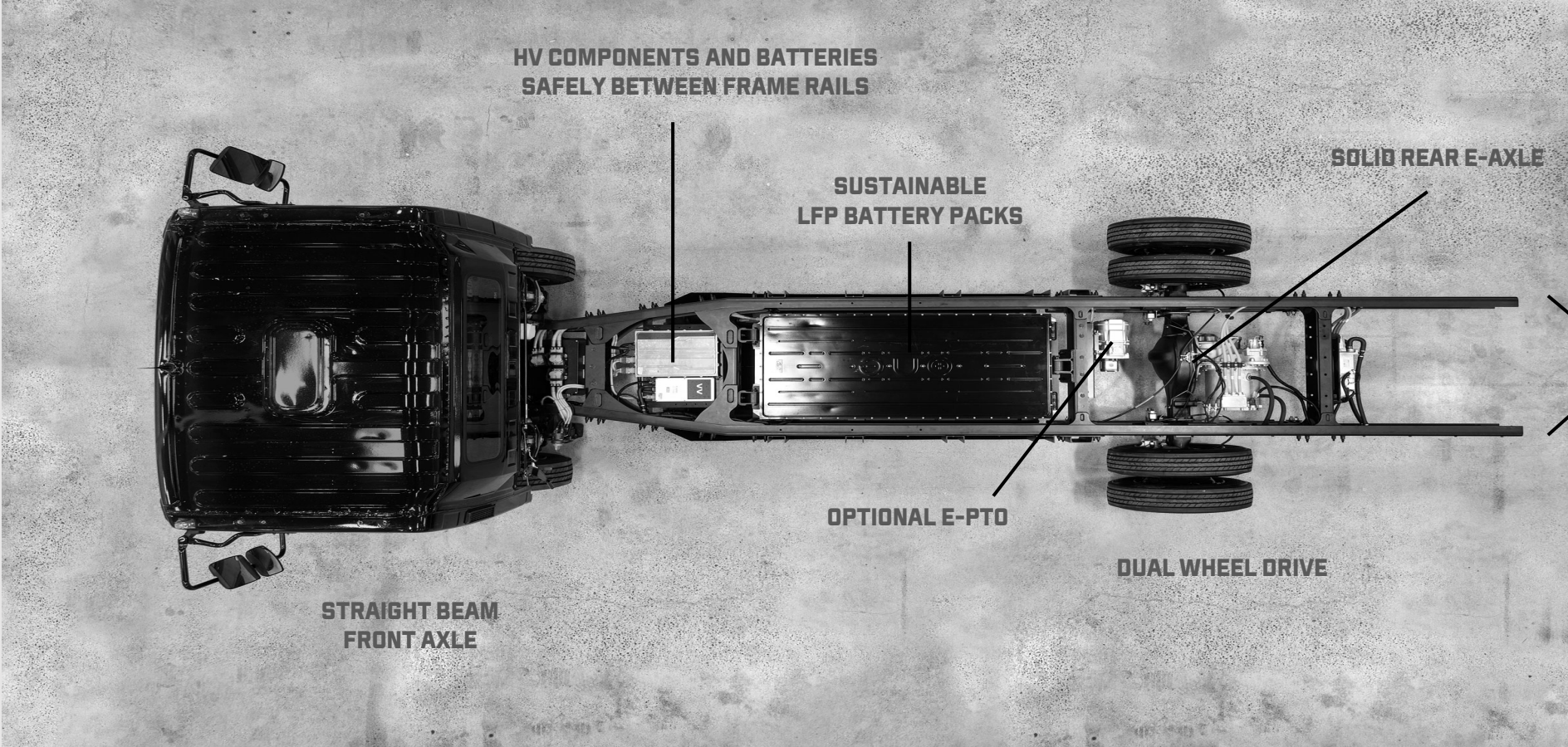
# CAB FORWARD TRUCKS IMPROVE VEHICLE TURNING CIRCLE



All data preliminary and subject to change.



# FLAT, CLEAN AND STRAIGHT FRAME RAILS



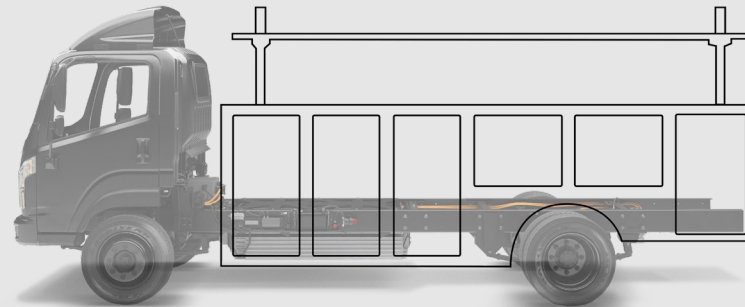
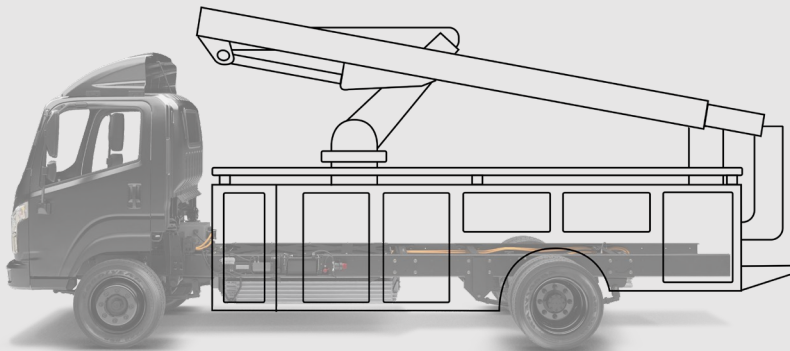
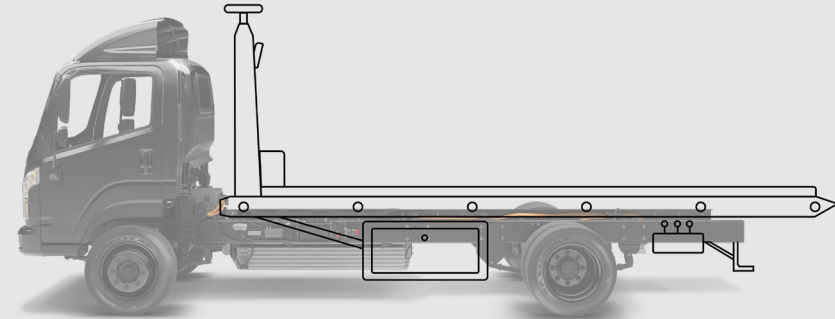
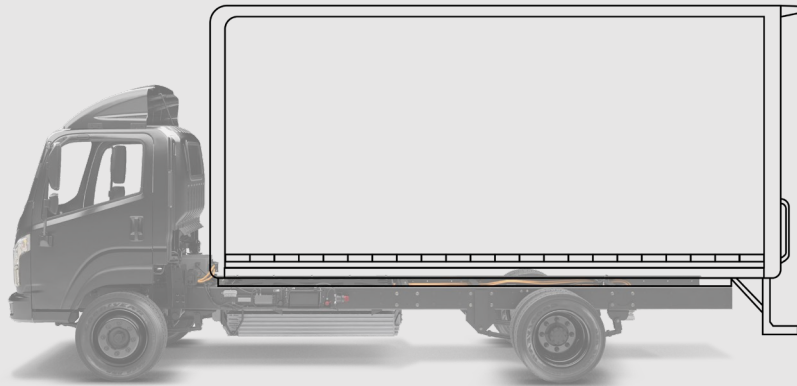
All data preliminary and subject to change.



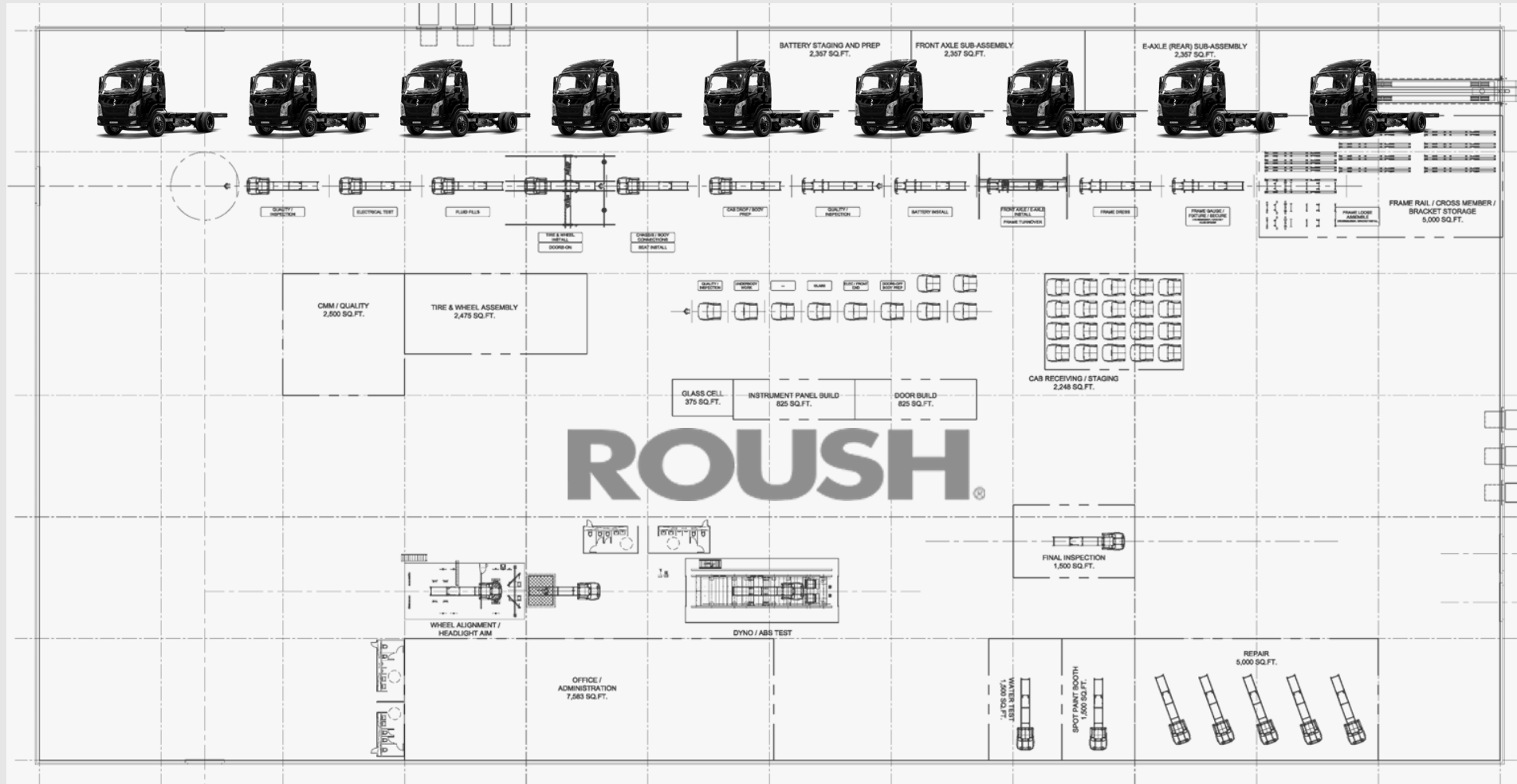
# WORKING WITH ALL UPFIT PARTNERS TO OFFER CUSTOMERS WHAT THEY NEED

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# PARTNERING WITH ROUSH INDUSTRIES TO MANUFACTURE WORLD-CLASS VEHICLES



BOLLINGER MOTORS VEHICLES WILL BE ASSEMBLED IN MICHIGAN



MADE IN USA





# PARTNERING WITH OUR NEXT ENERGY (ONE) TO PROVIDE INDUSTRY LEADING BATTERY TECHNOLOGY



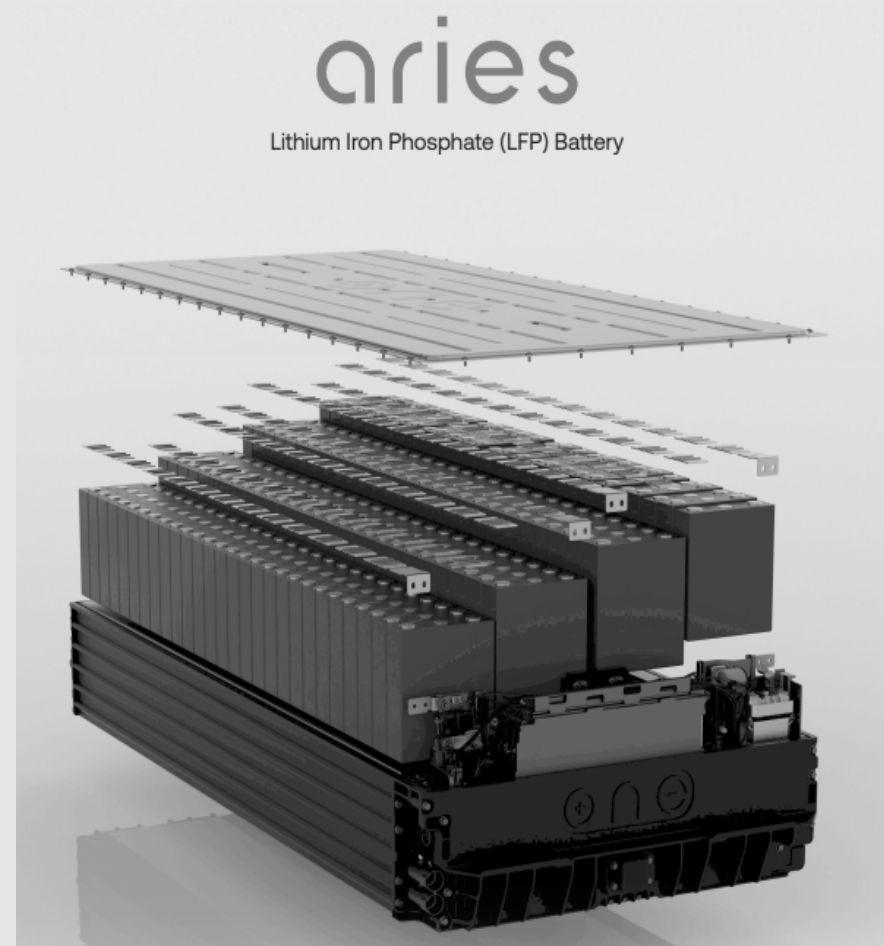
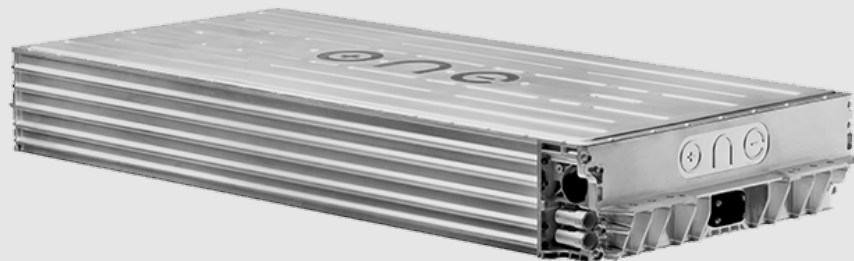
**ENERGY:** 158 KWH (2 BATTERY PACKS)

**CYCLE LIFE:** 3,000 CYCLES

**WARRANTY:** 8-YEARS / 100,000 MILES

**LITHIUM IRON PHOSPHATE (LFP) SUSTAINABLE CHEMISTRY**

- NO NICKEL (NI)
- NO COBALT (CO)



OUR NEXT ENERGY (ONE) BATTERIES ARE ASSEMBLED IN MICHIGAN



MADE IN USA



## PARTNERING WITH DANA AND GOODYEAR TO PROVIDE EV-SPECIFIC PRODUCTS

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### **eS9000r e-AXLE**

- > FULLY INTEGRATED MOTOR, GEARBOX AND AXLE DRIVE SYSTEM
- > DESIGNED FOR CLASS 4/5/6 COMMERCIAL VEHICLES

### **REAR e-AXLE PERFORMANCE**

- > PEAK POWER OF 323 HP / 675 FOOT-POUND TORQUE



### **"ELECTRIC DRIVE READY" ENDURANCE RSA ULT**

- > SIZE = 225/70R19.5

**TIRE TREAD PATTERN AND REINFORCED SIDEWALL STRENGTH  
DESIGNED TO HANDLE INCREASED WEIGHT REQUIREMENTS OF  
COMMERCIAL VEHICLES**

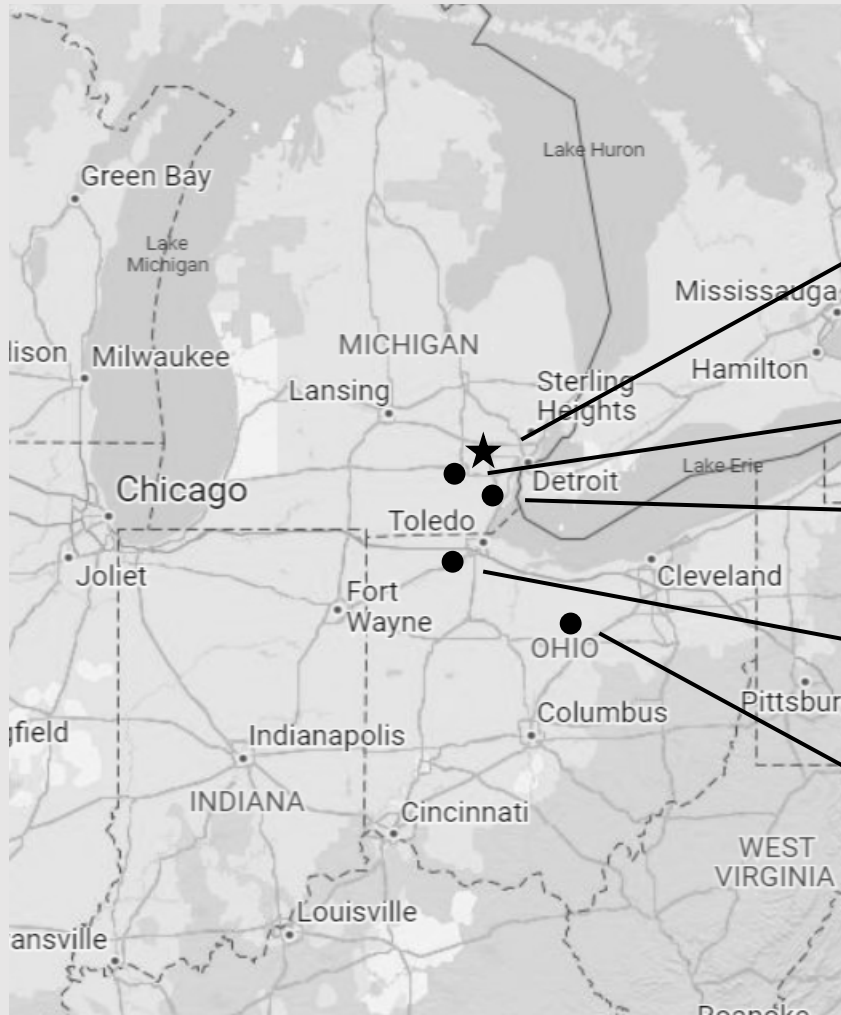
DANA AND GOODYEAR PRODUCTS



MADE IN USA



# SUPPLY CHAIN AREA: B4 MAJOR COMPONENTS



**BOLLINGER MOTORS**

HQ

**ROUSH**

ASSEMBLY



BATTERY



E-AXLE



EV TIRES





## FLEETS BENEFIT GREATLY FROM THE INFLATION REDUCTION ACT

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**IRA INCENTIVE = 30% OF VEHICLE PURCHASE PRICE UP TO \$40,000**





**ENCOURAGING FLEETS TO TRANSITION MORE TRUCKS TO ELECTRIC FASTER**

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Vehicle must be 14,000 GVW or greater to qualify for Inflation Reduction Act incentives.



# STARTING IN CLASS 4 and 5 WHERE LESS DIRECT OEM COMPETITION RESIDES

			Start-up Brands			Legacy Brands				
CLASS 4					-		Part of Freightliner			
CLASS 5						-		Part of Freightliner		
CLASS 6						-				



**NEARLY IDENTICAL COMPONENTS HELPS TO EXPEDITE PRODUCTION TIMING**

**2024**

**B4**



**CLASS 4 CHASSIS CAB**

**2025**

**B5**



**CLASS 5 CHASSIS CAB**

**2026**

**B6**



**CLASS 6 CHASSIS CAB**





# BOLLINGER B4 CUSTOMER RIDE & DRIVE EVENT @ M CITY TEST FACILITY IN ANN ARBOR, MI

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AM Session: 8am – Noon  
Lunch: Noon – 1pm  
PM Session: 1pm – 5pm

Thursday, September 14  
Friday, September 15  
Monday, September 18  
Thursday, September 21



**BOLLINGER MOTORS**



M city Test Facility located at 2905 Baxter Road, Ann Arbor, MI 48109 



## BOLLINGER MOTORS COMMERCIAL SALES

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OAK PARK, MI 





**BOLLINGER MOTORS**

THANK YOU