

**REAR ENGINE SCHOOL BUS
STUDENT SAFETY SEATS W/3PT BELTS
210 HP**

SPECIFICATION	BIDDER'S RESPONSE – MUST COMPLY OR STATE DEVIATIONS IN FULL
<p>Specifications that follow are minimum basic requirements. Any deviations from these specifications must be listed by bidder. If bidder claims item "Meets or Exceeds" specifications, documentation must be provided with bid to substantiate claim. Failure to do so will result in rejection of your bid and/or product for non-compliance.</p>	
<p>2006 or newer transit type, rear engine school bus capable of supporting the specified body in a proper and safe manner. Body/chassis are to be designed, engineered and built in the U.S.A. by one manufacturer. This provides a fully compatible and totally integrated complete vehicle.</p> <p>Bidder must be a valid franchised dealer for units bid.</p> <p>Vehicles bid shall meet all current FMVSS and State standards for school buses in affect at time of manufacture.</p>	<p>YEAR: 2006 or newer CHASSIS MFG: Blue Bird MODEL: AARE 3904 BODY MFG: Blue Bird MODEL: AARE CAPACITY: 62</p>
<p>VEHICLE DIMENSIONS: G.V.W.R. - 37,600 lbs (35,100 lbs California) minimum. Wheelbase shall not exceed 273" Front overhang (including bumper) 85" Rear overhang (including bumper) 122" Overall length (including bumpers) 480" Overall height 125" maximum Overall width 96" (excluding mirrors) Headroom 76" minimum</p>	<p>G.V.W.R.: 37,600/35,100# WHEELBASE: 273" FRONT OVERHANG: 85" REAR OVERHANG: 122" OVERALL LENGTH: 480" OVERALL HEIGHT: 125" OVERALL WIDTH: 96" HEADROOM: 76"</p>
CHASSIS OPTIONS	
<p>AXLES: Front – 14,600 lb. with oil lubed bearings. Include Hubcaps with window seals Rear - 23,000 lb. hypoid, single reduction with 5.38 ratio. With lubed bearings.</p>	COMPLY
<p>BRAKES - SERVICE: Dual, full air system to meet FMVSS 121. Bendix 13.2 CFM compressor gear driven. Three reservoir tanks for a total capacity of 5.650 cubic inches. Include a Bendix 4 channel ABS Bendix AD-9 air dryer, automatic slack adjusters and air reservoir drains to be manually operated under driver's compartment with separate valves for wet, front and rear air reservoirs.</p> <p>Front – Meritor – "S" Cam 20 sq. in. chambers. Non-asbestos "Q-Plus" extended service brake lining 16.5" X 6". Rear – Meritor – "S" Cam 30 sq. in. chambers. Non-asbestos "Q-Plus" extended service brake lining 16.5" X 8-5/8".</p> <p>Oil slinger – Installed in wheel end to channel lube away from brake lining in the event of failed oil seal.</p>	COMPLY
<p>BRAKES - EMERGENCY/PARKING: 30 sq. in. spring brake with treadle valve control. Separate instrument panel mounted valve for parking brake application.</p>	COMPLY

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<p>BUMPERS: Front shall be 1/2" thick steel plate, rear bumper of 3/16" thick steel plate; both bumpers one piece, die formed 12" high with one inch flanges top and bottom for strength. Rear bumper 14" wraparound at corners, with double "A" frame bracing.</p>	COMPLY
<p>CONTROLS - DRIVER'S AREA:</p> <ul style="list-style-type: none"> a. Electronic Throttle. Drive by wire b. Air brake pedal c. Key type starter and stop switch d. Headlight switch with rheostat dimmer for instrument lights with headlight "on" reminder buzzer when key is turned off e. Steering column mounted dimmer switch with indicator light. f. Hazard signal switch g. Self-canceling directional signal switch h. Driver switch panel located left side below driver window for easy access. Switches to be rocker switches, backlit design. i. Parking brake valve j. Entrance door control k. Transmission shift control l. Cruise control m. Incremental hi-idle switch 	COMPLY
<p>CONTROLS - ENGINE COMPARTMENT:</p> <ul style="list-style-type: none"> a. Engine start location switch required. Restricts vehicle starting either to driver area or engine compartment depending on switch position. b. Engine start button. c. Engine compartment light switch. 	COMPLY
<p>COOLING SYSTEM: Minimum of 32-quart capacity with Long-life 55/45 coolant mix provides anti-freeze protection to -40 degrees F. Coolant radiator shall be mounted at rear on left side; must be heavy-duty truck design mounted in rubber shock absorbers; a minimum core frontal area of 808 sq. in. is required.</p> <p>Charge air radiator of cast aluminum with 671 sq. in. aluminum core frontal area, mounted in front of coolant radiator.</p> <p>26" diameter fan with nine blades hydraulically driven and thermostatically controlled.</p> <p>The cooling system shall be tested and certified by engine and transmission suppliers to meet or exceed their product criteria.</p> <p>The hydraulic fluid in the fan and power steering shall be cooled by an oil to air heat exchanger independent of radiator.</p> <p>Radiator hoses shall be rubber with constant torque clamps.</p>	COMPLY
<p>DRIVELINE: Spicer SPL 140 series minimum with protective guard around shaft.</p>	COMPLY

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<p>ELECTRICAL SYSTEM: Alternator - Leece Neville 12 volt, 175 amp, Hi-output; at idle - 139 amps.</p> <p>Battery - Three (3) 12-volt Group. 31, 2850 CCA combined. 2/0 gauge battery cables. Batteries to be mounted on 23.63'L x 24"D roll out tray in skirt compartment w/lock. Chassis and body wiring is color and number coded throughout. Wiring is protected by "ATO" blade type fuses with removable access panel in engine compartment. Body wiring protected by auto reset circuit breakers located in easy access exterior wire terminal junction under driver's window.</p>	COMPLY
<p>ENGINE: CAT C7 210HP @ 2200 RPM. 520 lb. ft. torque @ 1,440. Air intake to be located right side above mid-point of side windows rear of vehicle.</p>	COMPLY
<p>EXHAUST SYSTEM: Single, with heavy duty muffler with 5" tail pipe. Tail pipe shall extend through rear bumper.</p>	COMPLY
<p>FILTERS: Oil filter - Full flow by-pass spin-on. Air filter - Single stage, dry type, Farr ECO SE (Dry) Restriction indicator to be provided. Fuel filter - Spin-on type. Heated fuel/water separator (Racor) located in fuel supply line. Coolant filter - remote mounted</p>	COMPLY
<p>FRAME</p> <p>Frame shall consist of dual "C" channels of 50,000 PSI steel each with dual insert liners of equal PSI strength, 142" long, centered to the rear axle for maximum stress tolerance.</p> <p>Resulting section modulus required shall be 19.6 Cu. In. and resistance to bending moment shall be 980,000 in. Lb. per rail minimum over area of maximum stress.</p> <p>Sub-Frame shall consist of dual 50,000 PSI "C" channels with flanges turned outward and lowered 6.00" below the main frame to best accommodate the engine and related components.</p> <p>Sub frame rails shall be 65" long and overlap the main rail and insert 24" where joining shall be reinforced with dual 3" x 3", 1/2" thick angle iron and secured with Grade 8 "Huck-Spin" permanent fasteners.</p> <p>The Section Modulus across the joining shall be 28.96 cu. In./rail, and resistance to bending moment shall be 1,448,000 in. lb./rail</p> <p>All permanent fixtures on frame shall be attached with hi-tensile strength "Huck-Spin" fasteners with swaged lock nuts.</p>	COMPLY
<p>FUEL TANK: 60-gallon draw fuel tank located between the chassis frame rails, equipped with sump and brass drain plug. Include locking fuel filler door and plate in floor to access fuel tank sender.</p>	COMPLY

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HORN: Dual electric with non-glare horn button at steering wheel center.	COMPLY
INSTRUMENTS AND GAUGES - DRIVER'S AREA: a. Speedometer with odometer. b. Tachometer. c. Engine hourmeter. e. Voltmeter. f. Fuel level. g. Oil pressure. h. Water temperature. i. Dual air pressure gauge. j. Low pressure warning light and buzzer for dual air brake system. k. High beam indicator. l. Right and left directional indicators. m. Engine warning light and buzzer for low oil pressure/high engine temperature. n. Accessory power socket. o. Digital Clock	COMPLY
INSTRUMENTS AND GAUGES - ENGINE COMPARTMENT: a. Oil pressure gauge.	COMPLY
SHOCK ABSORBERS: Direct acting, double action piston type. Two front and two rear.	COMPLY
STEERING: Ross model TAS-65 full power steering with tilt/telescoping steering column and 18" two spoke padded steering wheel. Hydraulic pump shall be gear driven.	COMPLY
TIRES: Six (6) Michelin XZE 11R 22.5 H steel belted radials with highway tread.	COMPLY
TOW HOOKS: Two rear, frame mounted tow hooks.	COMPLY
SUSPENSION: Front - 7,300 lbs. each at the ground. 4" wide X 56" long, single stage, heavy duty 3-stress peened parabolic leaves with upturned eyes. 1.25" diameter pins in graphite impregnated steel backed bronze bushings with urethane seals at each end. Pins to include zirc fitting to allow pins to be easily lubricated. 1" spacer block installed between front spring & axle. Rear - 11,500 lbs. each at the ground. 3" wide X 52" long, semi-elliptic, two stage progressive with variable deflection rate. Fourteen shot-peened leafs. Main leaf to be Berlin Eye design to wrap completely around spring pin at each end. Pins to include zirc fitting to allow pins to be easily lubricated.	COMPLY

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<p>TRANSMISSION: Allison automatic model 2500 PTS five speed. Provide a touch pad type shifter, which shall be ergonomically located for driver comfort and visibility. Transmission shall be equipped with auxiliary in-line filter. Fluid is cooled by an oil to coolant heat exchanger, located external from coolant radiator with 2,100 BTU, minimum capacity. Synthetic transmission fluid.</p>	COMPLY
<p>VALVES: ¼ turn globe valves to isolate coolant circulation to heaters from engine shall be included.</p>	COMPLY
<p>WHEELS: Six (6) 22.5" X 8.25", 10 stud, disc, hub-piloted single front, dual rear.</p>	COMPLY
BODY OPTIONS	
<p>ACCESS PANELS: Lighted exterior access 27" x 16" to wiring terminals, circuit breakers, and other electrical components shall be provided beneath driver window on left side with outside latch. Provide two hinged doors 19" x 15 ½" located on both sides of vehicle at front providing access to wiper motors, windshield washer fill. All access panels include keyed locked latches. Provide 18" x 22" access panel at engine at center rear davenport.</p>	COMPLY
<p>CONSTRUCTION: Body parts must be rust-proofed after fabrication and before assembly. Floor panels shall be 14 gauge steel, welded and riveted at each joint with 1/8" steel backing bar and 3/16" angle iron reinforcement. The main floor crossmembers shall be full width of floor. 14 gauge hat-shaped body bows one piece from floor line on one side to floor line on other side. Bows shall end upon floor for maximum roll-over strength. Bows shall not extend below floor level. Body sheet metal shall be fastened with buck rivets on exterior and blind rivets on interior. Sheet metal screws not acceptable. 20 gauge exterior side panels shall be one piece from window sills to bottom of skirt. Four protective rub rails at window level, seat level, near floor level and bottom of skirt. Rubrails to be riveted to body. Interior side panels shall be aluminized from window sill to top of seat rail with mar-resistant finish. One piece roof panels from window top on one side to window top on other side for maximum strength. Spliced roof sheet not acceptable. Rain visors to be embossed in roof panels over each window.</p>	COMPLY

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<p>ENGINE COMPARTMENT: Engine compartment shall be located at rear to permit easy service access. Compartment separating engine area from passengers shall be double wall construction with fiberglass insulation layered in between for isolation of heat and noise.</p> <p>Access to engine shall be provided by an aluminum, vented rear door 80"W x 34"H hinged at top with gas cylinder assist supports. Rear door shall be perforated. Additional metal doors 26" x 33" at sides, hinged forward to provide access to air cleaner (right) and radiator (left).</p>	COMPLY
<p>EMERGENCY EXITS: Rear emergency window with gas lift assist. Left side emergency door. Include header pad and retainer to hold door open.</p>	COMPLY
<p>ENTRANCE DOOR: Air operated, outward-opening type with control at driver's right on switch panel. Include header pad.</p>	COMPLY
<p>FLOOR COVERING: 1/2" plywood attached with screws over 14 gauge steel. Black floor rubber, smooth under seats and ribbed in aisle and entrance steps; steps shall have white nosing. Aluminum aisle trim over joints in floor covering, full body length. Molded rubber covers required over front and rear interior wheelhousings. Rounded rust proofed galvanized steel cove molding applied where floor meets wall.</p>	COMPLY
<p>GLASS: Windshield - AS-1 shaded, four-piece flat safety glass. Side Windows - 12" split sash in aluminum frames. All side glass to be AS-3 dark tinted 30% light transmittant, tempered safety glass. Rear Glass - AS-3 dark tinted 30% light transmittant, tempered safety glass. Driver's Window - AS-2 light tinted 70% light transmittant, laminated safety glass. Entrance Door Glass - AS-2 light tinted 70% light transmittant, laminated safety glass.</p>	COMPLY
<p>HEATER AND DEFROSTER:</p> <ol style="list-style-type: none"> a. 90,000 BTU front heater and defroster. Defroster shall be full length below driver's window and windshield. b. 12,000 BTU front driver's heater c. One (1) 6" auxiliary defroster fans. d. All plumbing for the heater/defroster system shall be of a series type for maximum heat and for driver's field of vision and safety. e. Heater hoses to be Goodyear Hi Miller with constant torque clamps. f. Electronically controlled water regulating valve. 	COMPLY

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<p>INSULATION: Body to be insulated with 1-1/2" of fiberglass in roof, sides, front and rear, (including corners & bows). 'R' value of 5.75. High density 1-1/2" mineral wood in sides to maintain vertical integrity over the life of the bus. Solid non-perforated headlining panels are to be provided in full-length front to rear.</p>	COMPLY
<p>LIGHTING:</p> <ul style="list-style-type: none"> a. Rectangular halogen headlights. b. Two combination lights, 4" right and left rear license panel in combination with 7" stop & tail lights with clear red lens, on engine compartment door. c. 7" front and rear amber directional lights. d. Side directional lights, seated shock mounted, front and rear. e. Eight lamp warning system with hoods. f. 5" clear back-up lights. g. Armored clearance, cluster and side marker lights. h. Two rows of dome lights on separate switches for front half and rear half of rows. i. Driver's dome light with separate switch. j. Stepwell lights, 14 candlepower, wired to operate with ID lights with entrance door open. k. Required reflectors. l. Daytime running lights. m. Engine compartment to have two (2) lights. n. Engine compartment to have two hazard lights visible when rear engine door is open and activated by switch on steering column. o. Specialty Mfg. electric operated stop arm with reflectorized blade and incandescent flashing lights rear mounted. p. All other lighting required to meet California standards. 	COMPLY
<p>MIRRORS: Interior - 6" X 30".</p> <p>Exterior - Mirrors shall conform to FMVSS 111. Rosco "Avia" mirrors with index brackets (wrench free adjustment), flat and convex in a single frame, mounted to provide driver maximum view, Include Rosco "Hawkeye" crossview mirror with tinted band.</p>	COMPLY
<p>MUD FLAPS: Front & rear mud flaps.</p>	COMPLY
<p>PAINT AND LETTERING:</p> <ul style="list-style-type: none"> Exterior - OEM Heat Cured Polyurethane, Yellow. Roof - OEM Heat Cured Polyurethane, White. Rub Rails - OEM Heat Cured Polyurethane, Black. Wheels - Air Dry Polyurethane, Black. Interior - Baked Enamel, Astro White. <p>Bus to include reflective 3M Diamond grade yellow vinyl tape one inch minimum width strip surrounding each emergency exit.</p> <p>Lettering to California standards, supplied to vendor after award of bid to include district name, CA number and bus number.</p>	COMPLY

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<p>SAFETY EQUIPMENT:</p> <ul style="list-style-type: none"> a. 24 unit first aid kit. b. 10 BC fire extinguisher. c. Triangle warning devices in container. d. 6" X 30" sun visor. e. CHP certificate holder. f. Back-up alarm with 112 db g. Hand held stop sign and bag type holder 	COMPLY
<p>SEATS (Passenger): 45" LH & 30" RH Student Safety Seats, designed and installed to meet all requirements of FMVSS 222. Gray vinyl upholstery. Clear aisle at side emergency door. All passenger seats shall have 3 point safety belts as required by California law. Safety barriers required in front of right and left front seats, upholstered to match seats. Provide aluminized modesty panel under right barrier.</p>	COMPLY
<p>SEATS (Driver's): National driver's seat, NS 2000 pedestal certified per FMVSS 222. Seat shall have a 4" manual height adjustment, 6" fore & aft slides, recline angle infinitely adjustable, 2 position front cushion, mechanical lumbar adjustment. Charcoal Morbern Mor-Dura III MD-120 fabric seating surface. Include driver's 3pt single bar lock seat belt.</p>	COMPLY
<p>STEPWELL: Three (3) step stainless steel entrance straight toward center aisle. Step treads with white non-abrasive stripe inserted and bonded into a recessed area. 3" white rubber wear plate located at the floor level step of the entrance door. Maximum riser height shall be 8-1/2". A stainless steel grab rail shall be installed at rear of stepwell.</p>	COMPLY
<p>UNDERCOATING: Body shall be fully undercoated under floor, skirt panels and wheel wells prior to mounting on chassis.</p>	COMPLY
<p>VENTILATION: Static non-closing vent installed in forward body section on roof. Manual driver's fresh air vent on left by driver's feet. Heater intake on right front below windshield level, electronically controlled. Two (2) Specialty full pop-up roof vent/emergency exits shall be provided with exterior release.</p>	COMPLY
<p>WINDSHIELD WIPERS: Electric intermittent, single switch operated wipers, bottom mounted with a parallelogram sweep. Washers to be mounted on wiper arms. One gallon plastic windshield washer reservoir.</p>	COMPLY

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<p>REPAIR MANUALS: Maintenance manual shall be provided to include wiring diagrams and recommended service requirements for vehicle. Parts and service manuals shall be provided on C D.</p>	COMPLY
<p>WARRANTY: Enclose a copy of bus manufacturer's limited warranty.</p> <ol style="list-style-type: none"> 1. Five (5) years or 100,000 miles: <ol style="list-style-type: none"> a. Chassis frame and crossmembers. b. Body shell – floor, side walls, roof, front and rear sections, including rust-through. c. Interior and exterior body paint adhesion. d. School bus seat and barrier frames. 2. Four (4) years or 50,000 miles: <ol style="list-style-type: none"> a. Front axle assembly, including king pins, I-beam, bushings, spindles, excluding brakes and wheel ends. b. Rear axle assembly and differential, excluding brakes and wheel ends. 3. Two (2) years or 24,000 miles: <ol style="list-style-type: none"> a. Suspension excluding pins and bushings. b. Driveshafts, support bearings and universal joints. 4. Twelve (12) months or 12,000 miles: <ol style="list-style-type: none"> a. All original components not covered above, except diesel engines and automatic transmissions, wheelchair lifts, air conditioners, tires, and batteries, which are warranted by their manufacturers. 5. Five (5) years unlimited miles or 6,000 operating hours: <ol style="list-style-type: none"> a. Caterpillar engine standard limited warranty. 6. Three (3) years or 100,000 miles: <ol style="list-style-type: none"> a. Allison transmission standard limited warranty. 	See manufacturer's standard warranty enclosed
<p>ADDITIONAL AVAILABLE OPTIONS:</p>	
<p>1.) Engine, Caterpillar C7, 250 horsepower and 660 lb ft. torque (Requires Option 5. Allison automatic 3000 PTS transmission) Add \$</p>	3353.00
<p>2.) Engine, Caterpillar C7, 275 horsepower and 800 lb ft. torque (Requires Option 5. Allison automatic 3000 PTS transmission) Add \$</p>	3547.00
<p>3.) Engine, Cummins ISC, 285 horsepower and 800 lb ft. torque (Requires Option 5. Allison automatic 3000 PTS transmission) Add \$</p>	6349.00

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4.) Engine, Cummins ISC 8.3 liter, 300 horsepower and 860 lb ft. (Requires Option 5. Allison automatic 3000 PTS transmission) Add \$	6613.00
5. Transmission, Provide Allison 3000 PTS automatic transmission ILO Std 2500 PTS transmission. Add \$ (Requires Engine Option 1, 2, 3, or 4.)	4533.00
6.) Transmission, Provide Allison 3000 PTS w/retarder in lieu Std. Add \$ (Requires Engine Option 1, 2, 3, or 4.)	9363.00
7.) Rear Air Ride Suspension Add \$	1424.00
8.) Front Air Ride Suspension Add \$	1625.00
9.) Electric Air Drains Add \$	795.00
10.) Additional Air tank w/1650 cu. in. Add \$	116.00
11.) 1500W internal engine block heater Add \$	112.00
12.) 10" Brakes ILO 8" brakes Add \$ (Requires Option 7. Rear air ride suspension)	2645.00
13.) Dust shields Front & Rear Add \$	44.00
14.) Silicone heater hoses w/CT clamps ILO Std Add \$	122.00
15.) 270 amp Leece Neville internal regulated alternator ILO Std Add \$	630.00
16.) (2) 8D batteries ILO Std Add \$	198.00
17.) Battery disconnect switch Add \$	127.00
18.) 100 gallon fuel capacity ILO Std Add \$	673.00
19.) Transmission temperature gauge Add \$	51.00
20.) Ammeter Add \$	66.00
21.) 5/8" Marine Plywood ILO Std Add \$	357.00
22.) Tan/Green/Blue/Dark Gray rubber flooring ILO Std Black Add \$	260.00

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23.) Altro Flooring on Steps and Driver's Area	Add\$	1250.00
24.) Specialty Pro-Lo roof vent (2) ILO Std	Add\$	110.00
25.) Under floor air horn	Add \$	101.00
26.) 80K BTU rear heater	Add \$	469.00
27.) Heavy duty heater pump	Add \$	290.00
28.) Acoustic headlining full length	Add \$	518.00
29.) Sound deadening spray	Add \$	46.00
30.) 16 Ga. Extended side panels ILO 20 Ga. Std	Add \$	250.00
31.) 12 R tires ILO 11R tires	Add \$	472.00
32.) Aluminum wheels ILO steel wheels	Add \$	1780.00
33.) Yellow wheels ILO Std	Add \$	41.00
34.) Locking Driver's compartment above windshield	Add \$	251.00
35.) Vandal Locks:		
35a.) Side emergency exit	Add \$	83.00
35b.) Rear emergency exit	Add \$	163.00
36.) Electric operated entrance door ILO Std	Add \$	422.00
37.) Safety lock front entrance door	Add \$	54.00
38.) 2 pc. tint/shaded windshield ILO Std	Add \$	37.00
39.) Rubber fenders front & rear	Add \$	290.00
40.) Heated mirrors ILO Std	Add \$	259.00
41.) Heated/Remote mirrors ILO Std	Add \$	530.00
42.) 6" center mount auxiliary fan	Add \$	52.00
43.) Am/Fm/CD/PA radio w/8 speakers	Add \$	558.00

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44.) Driver's Seats:	
44a.) National Air drivers seat	Add \$ 137.00
44b.) Bostrom Routemaster Air drivers seat	Add \$ 121.00
44c.) Bostrom Manual drivers seat	Add \$ No charge
44d.) Magnum 200 Manual drivers seat	Add \$ 801.00
45.) Proform II Fireblock upholstery ILO Std	Add \$ 617.00
46.) Brown/Black/Blue/Burgundy/Green Upholstery ILO Standard Gray	Add \$ Brown & Gray - No charge Blk/Blue/Burg/Grn - Add option 45.
47.) LH modesty panel under barrier	Add \$ 13.00
48.) Flip seat ILO Barrier @ SED	Add \$ TBD
49.) STUDENT SAFETY SEATS W/3PT BELTS:	
49a.) 30" each	Add \$ 357.00
49b.) 36" each	Add \$ 380.00
(*This option will change the bus capacity to be determined at time of order)	
50.) 3M reflective tape sides and rear of bus in addition to Std	Add \$ 142.00
51.) LED Lights:	
51a.) LED tail and brake lights	Add \$ 427.00
51b.) LED directional lights front & rear	Add \$ 455.00
51c.) LED directional lights, sides	Add \$ 37.00
51d.) LED clearance/marker	Add \$ 204.00
51e.) LED backup	Add \$ 176.00
51f.) LED 8way warning	Add \$ 1269.00
51g.) LED stop arm	Add \$ 269.00
52.) Strobe light w/pilot	Add \$ 154.00
53.) Front mounted spare tire carrier	Add \$ 269.00
54.) Interior parcel racks	Add \$ 1464.00
55.) Luggage Compartments:	
55a.) Passthru compartment w/lights	Add \$ 4954.00
55b.) LH single compartment w/lights	Add \$ 493.00
55c.) RH single compartment w/lights	Add \$ 493.00

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56.) Fog lights in front bumper	Add \$	408.00
57.) AIR CONDITIONING:		
57a.) Blue Bird "Comfort Aire" Freeblow *120K BTU on models shorter than 34 feet 134K BTU on models longer than 35 feet (Requires Option 15.) 270 amp alternator (Requires Option 35.) Electric entrance door (Not available with Option 63.) CNG fuel package)	Add \$	Cat - Add \$ 9001.00 Cummins - Add \$ 9608.00
57b.) Blue Bird "Comfort Aire" Ducted *120K BTU on models shorter than 34 feet 134K BTU on models longer than 35 feet (Requires Option 15.) 270 amp alternator (Requires Option 35.) Electric entrance door (Not available with Option 63.) CNG fuel package)	Add \$	Cat only - Add \$ 10,479.00
57c.) 120K BTU Freeblow a/c Available with Option 63.) CNG fuel package	Add \$	See attached for additional air conditioning options
57d.) 120K BTU Ducted air conditioning system Available with Option 63.) CNG fuel package	Add \$	
58.) Particulate trap	Add \$	14,736.00
59.) Oxidation Catalyst	Add \$	Included
60.) Blue Bird Extended 5yr warranty	Add \$	2029.00
61.) Engine Software		
61a.) John Deere engine software & cable	Add \$	1032.00
61b.) Caterpillar engine software & cable	Add \$	2420.00
61c.) Cummins engine software & cable	Add \$	1054.00
61d.) Lap top computer for engine/trans diagnostics	Add \$	1870.00
62.) Wheelbase Options:		
62a.) 245", 3700 body ILO 3904 body	Deduct \$	(938.00)
62b.) 217", 3408 body ILO 3904 body	Deduct \$	(2001.00)
62c.) 189", 3204 body ILO 3904 body	Deduct \$	(2995.00)

AIR CONDITIONING OPTIONS

57c.) AIR CONDITIONING:

<u>FREEBLOW</u>	57c1.)	TransAir 120K BTU freeblow skirt condensers Caterpillar/Cummins	ADD \$ 8,250.00
	57c2.)	TransAir 120K BTU freeblow skirt condensers John Deere	ADD \$ 9,469.00
	57c3.)	TransAir 120K BTU freeblow roof condensers Caterpillar/Cummins	ADD \$ 10,601.00
	57c4.)	TransAir 120K BTU freeblow roof condensers John Deere	ADD \$ 12,092.00
<hr/>			
	57c5.)	Carrier 120K BTU freeblow skirt condensers Caterpillar/Cummins/John Deere	ADD \$ 7,832.00
	57c6.)	Carrier 130K BTU freeblow skirt condensers Caterpillar/Cummins/John Deere	ADD \$ 8,982.00
	57c7.)	Carrier 120K BTU freeblow roof condensers Caterpillar/Cummins/John Deere	ADD \$ 9,218.00
	57c8.)	Carrier 130K BTU freeblow roof condensers Caterpillar/Cummins/John Deere	ADD \$ 10,368.00
<hr/>			

Waterford co-op bid - AARE-STD A/C options continued...

57d.)

AIR CONDITIONING:
Available wit option 64.) CNG fuel package

<u>DUCTED</u>	57d1.)	TransAir 120K BTU ducted skirt condensers N/A with wheelchair options Caterpillar/Cummins	ADD \$ 10,089.00
	57d2.)	TransAir 120K BTU ducted skirt condensers N/A with wheelchair options John Deere	ADD \$ 11,308.00
	57d3.)	TransAir 120K BTU ducted roof condensers N/A with wheelchair options Caterpillar/Cummins	ADD \$ 12,922.00
	57d4.)	TransAir 120K BTU ducted roof condensers N/A with wheelchair options John Deere	ADD \$ 14,174.00
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	57d5.)	Carrier 120K BTU ducted skirt condensers Caterpillar/Cummins/John Deere	ADD \$ 9,486.00
	57d6.)	Carrier 130K BTU ducted skirt condensers Caterpillar/Cummins/John Deere	ADD \$ 10,636.00
	57d7.)	Carrier 120K BTU ducted roof condensers Caterpillar/Cummins/John Deere	ADD \$ 10,933.00
	57d8.)	Carrier 130K BTU ducted roof condensers Caterpillar/Cummins/John Deere	ADD \$ 12,082.00
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*All A/C options are subject to compatability.

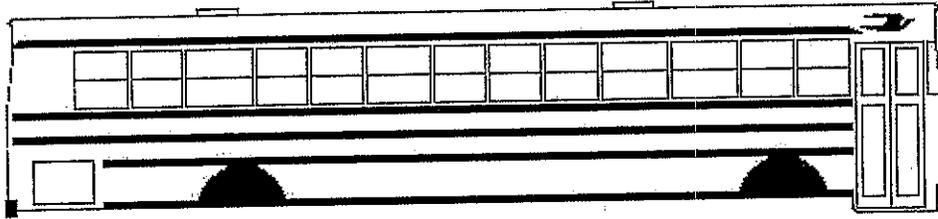
**REAR ENGINE SCHOOL BUS
STUDENT SAFETY SEATS W/3PT BELTS
210 HP**

SPECIFICATION	BIDDER'S RESPONSE – MUST COMPLY OR STATE DEVIATIONS IN FULL
63.) Special Needs Equipment:	
63a.) Lift door & Braun W/C lift & pad kit	Add \$ 5012.00
63b.) Lift door & Ricon W/C lift & pad kit	Add \$ 4837.00
63c.) Lift door & Maxon W/C lift & pad kit	Add \$ 5159.00
63d.) Wheelchair position, L-Track	Each Add \$ 612.00
63e.) Q-Straint QRT retractable W/C tiedowns (Includes Lap & Shoulder belts)	Each set-Add \$ 337.00 each set
63f.) Surelok Retractable W/C tiedowns (Includes Lap & Shoulder belts)	Each set-Add \$ 416.00 each set
64.) Alternative Fuel Option:	Add \$ 45,924.00
<p>A. Engine – The Engine furnished shall be a natural gas powered type, six cylinder, four cycle, Liquid cooled design. Displacement shall be a minimum 8.1 L (496 in.); minimum 250 rated horsepower at 2,200 RPM; minimum 806 lb-ft rated peak torque at 1,300 RPM. The engine shall be fully electronically controlled and programmable and be designed to provide the owner with information required for diagnostic service, Reference John Deere Engine, or approved equal. Bidder to state make, model and HP rating of engine bid. Cruise control is not to be included. Luggage compartments, 12R tires & perforated rear engine compartment door to be included.</p> <p>B. Fuel System – Fuel storage system shall be sufficient to provide for a minimum of 300 miles of vehicle operation. Provide four (4) 15" X 78" CNG NGV-2 type mounted between the frame rails and properly protected by a structural cage and/or rock guard. Tanks shall be equipped with an individual manual type shut-off valve. Fuel tanks shall be able to be fueled from only one filling quick-connect receptacle using a quick-disconnect with a dust cover. Also provide a master fuel shut-off valve located in an easily accessible area. Provide and clearly mark access panels on all valve location. Fuel system must comply with NFPA 52. Cylinders comply to E-8725 and NGV-2 and meet NHTSA FMVSS 303. Filters for particulate and coalescing located at fill port and before gas engine regulator.</p>	
65.) Dual fuel fill locations	Add \$ 1144.00
66.) Fire Suppression System	Add \$ 4025.00
67.) Monthly Rental/Lease Options:	
67a.) Monthly payment – 1 year minimum	\$ 2675.00
67b.) Monthly payment – 2 year minimum	\$ 2400.00
67c.) Monthly payment – 3 year minimum	\$ 2000.00

*All options subject to compatability.

California

PLBT: A3RE

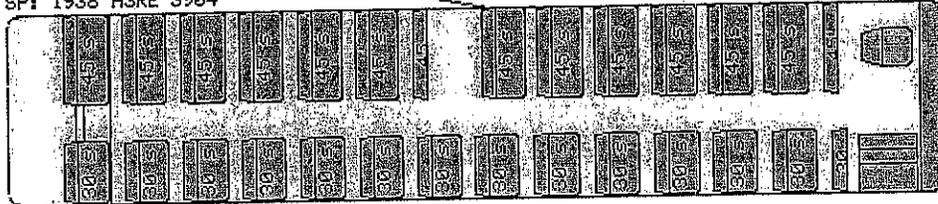


Length: 3904

SP: 1938 A3RE 3904

[Back](#)

Wheelbase:
273.000



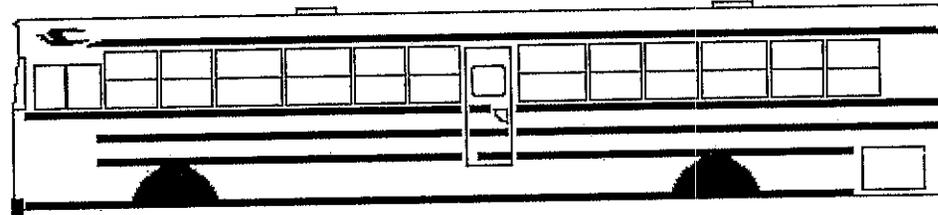
[Seat Plan data](#)

Usage: School Bus

Body Plan #
5002014

BP: 5002014 A3RE 3904

Seat Plan #
1938



Capacity: 62

SP Description: "A3RE3904 SED7L CEWSSS 45/30 W/BARRIER"
BP Description: "A3RE3904 SED7L NO POWS"

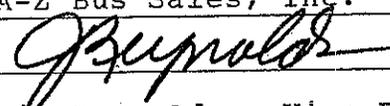
BID FORM

Date: 11/22/05
Bidder: A-Z Bus Sales, Inc.

To The Governing Board

School: Waterford Unified School District
Address: 12420 Bentley Street
Waterford, Ca. 95386

The undersigned fully understands that the District forms a contract upon acceptance of this bid. The undersigned, having carefully read the Notice To Bidders as published on November 15, 2005 and November 22, 2005, and the Specifications, hereby proposes to furnish in strict conformity with said documents the following items:

<u>Quantity</u>	<u>Description</u>
<u>One or more</u>	<u>Blue Bird AARE 3904</u> <u>62 passenger</u>
<u>Cost (excluding Sales Tax)</u>	<u>\$ 93,353.00 each + sales tax</u>
<u>Estimated Delivery Date:</u>	<u>180 days after receipt of order</u>
<u>Name of Bidder:</u>	<u>A-Z Bus Sales, Inc.</u>
<u>Signed by:</u>	<u></u>
<u>Title:</u>	<u>Jim Reynolds - Vice President & General Manager</u>
<u>Address:</u>	<u>1900 S. Riverside Avenue</u> <u>Colton, Ca. 92324</u>
<u>Telephone:</u>	<u>951-781-7188</u>
<u>Fax:</u>	<u>951-781-9806</u>

*Additional manufacturer's concessions may be available at time of order from 5-10%.

NOTE: Pursuant to Public Contract Code Sections 20118 and 20652, the Bidding Agency may allow other public agencies in the State Of California (including but not limited to: Orange, San Diego, Riverside, Los Angeles, Monterey, Fresno and Santa Barbara counties) to purchase equipment and supplies under the same terms and conditions. The Bidding Agency waives its rights to require other districts to draw their warrants in favor to this district and authorizes each district to make payment directly to the successful bidder. The Bidding Agency agrees to waive payment of reasonable costs per Public Contract Code Section 20118. We understand the District reserves the right to reject any and all bids, and to waive any irregularity of informalities in any bids or in the bidding.