

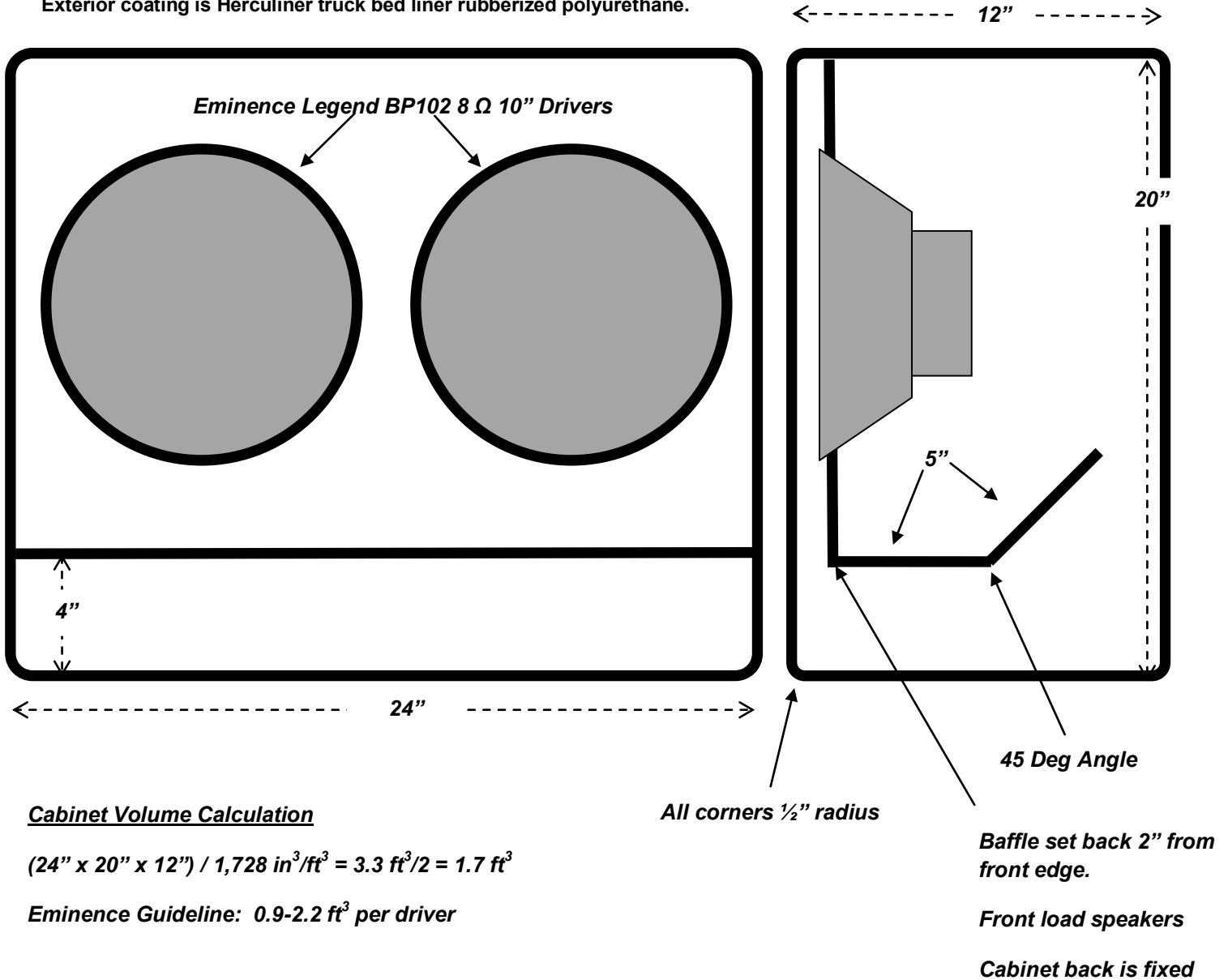
## Fithers 2x10 Bass Cab

Design for a 2x10 24" wide bass cab for touring.






Speakers are Eminence Legend BP102 10" Bass Guitar Driver 200W 8 Ohm wired in parallel to achieve 4 ohm impedance.  
Reference [http://www.eminence.com/pdf/Legend\\_BP102.pdf](http://www.eminence.com/pdf/Legend_BP102.pdf)

Material is void free 3/4" A-B exterior plywood, sides and baffles. Back is 1/4" A-B exterior. Adhesive is PL Premium moisture cured polyurethane.

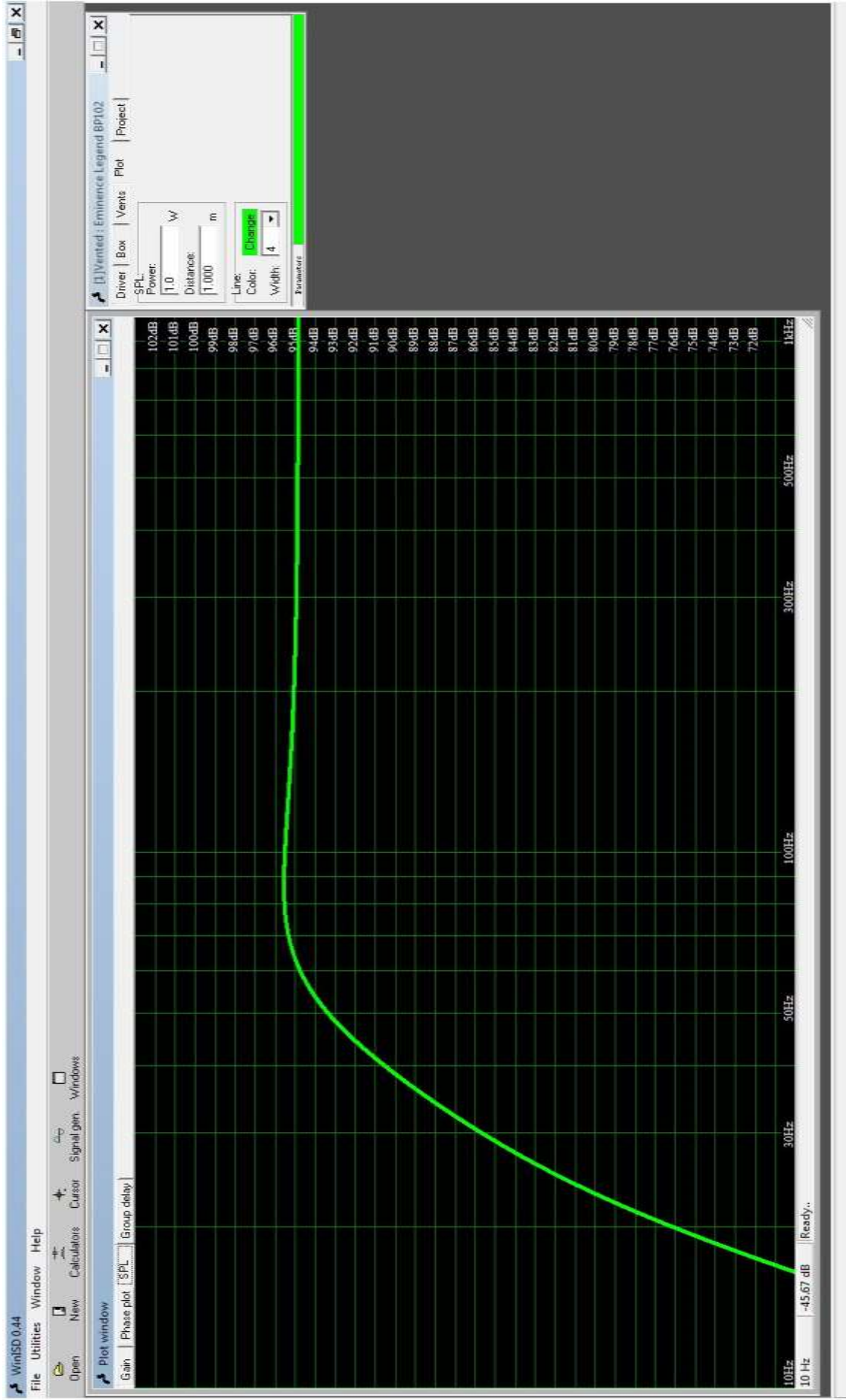
Exterior coating is Herculiner truck bed liner rubberized polyurethane.



**Parts List (from [www.partsexpress.com](http://www.partsexpress.com))**

	Item	Price	Qty	Total
	<b>Eminence Legend BP102 10" Bass Guitar Driver 200W 8 Ohm</b> Part # 290-471	\$84.99	<input type="text" value="2"/>	<b>\$169.98</b>
	<b>Penn-Elcom F1686 Rubber Cabinet Foot 1.57" Dia. x 0.61" H</b> Part # 260-770	\$0.74	<input type="text" value="4"/>	<b>\$2.96</b>
	<b>Steel Bar Speaker Cabinet Handle</b> Part # 262-821	\$5.80	<input type="text" value="2"/>	<b>\$11.60</b>
	<b>Peavey 1/4" Panel Mount Phone Jack for 3/4" Panel Thickness</b> Part # 248-8572	\$5.98	<input type="text" value="1"/>	<b>\$5.98</b>
	<b>Penn-Elcom C1824K Metal Cabinet Corner Black 2 Leg</b> Part # 262-155	\$0.67	<input type="text" value="8"/>	<b>\$5.36</b>





## BASS GUITAR SERIES

# LEGEND BP102

*Recommended for professional bass guitar applications in a sealed or vented enclosure. Works well in single or multi driver designs.*



### SPECIFICATION

Nominal Basket Diameter	10", 254 mm
Nominal Impedance*	8 $\Omega$
Power Rating**	
Watts	200 W
Music Program	400 W
Resonance	35 Hz
Usable Frequency Range	40 Hz - 2 kHz
Sensitivity***	91.8 dB
Magnet Weight	38 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

### THIELE & SMALL PARAMETERS\*

$F_s$	35 Hz
$F_{re}$	5.59 $\Omega$
$L_e$	0.83 mH
$Q_{ms}$	5.36
$Q_{es}$	0.47
$Q_{ts}$	0.43
$V_{as}$	3.22 cu.ft., 91.2 liters
$V_d$	207.4 cc
$C_{ms}$	0.54 mm/N
$BL$	10 T-M
$M_{ms}$	38 grams
$EBP$	75
$X_{max}$	6.2 mm
$S_d$	334.5 cm <sup>2</sup>
$X_{lim}$	10 mm

### MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	14-28 liters, 0.5-1 cu. ft.
Vented	25.5-62 liters, 0.9-2.2 cu. ft.
Driver Volume Displaced	0.041 cu.ft., 1.17 liters
Overall Diameter	10.08", 256 mm
Baffle Hole Diameter	9.18", 233.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	9.66", 245.4 mm
Depth	4.25", 108 mm
Net Weight	8.9 lbs., 4.04 kg
Shipping Weight	9.1 lbs., 4.13 kg



### MATERIALS OF CONSTRUCTION

Copper voice coil
Polyimide former
Ferrite magnet
Non-vented core
Pressed steel basket
Paper cone
Cloth cone edge
Zurette dust cap

### 8 $\Omega$ FREQUENCY RESPONSE\*

