



**GENERAL VEHICLE SPECIFICATION:**

WEIGHT	550 LBS. DRY, 55% REAR BIAS
ENERGY ACCUMULATOR	96V @ 400 AMP MAX DISCHARGE, 5.6 KWH CAPACITY
TORQUE RATING	120 NM COMBINED WITH TORQUE VECTORING ALGORITHM
SUSPENSION	550 LB-IN SPRINGS WITH ADJUSTABLE DAMPERS, CAMBER AND TOE

**PERFORMANCE METRICS:**

ACCELERATION	0-60 MPH IN 4.5 SECONDS
SKIDPAD TIME 50 FT RADIUS	5.81 SECONDS AT 1.5G
60 MPH BRAKING DISTANCE	68 FEET
TURNING RADIUS	14 FEET

**HABITAT OF MARVELOUS ELECTRONICS:**

- INSULATION MONITORING DEVICE
- LOGIC POWER STAGE
- CENTRAL CONTROL MODULE - TEXAS INSTRUMENTS  
HERCULES ARM CORTEX R5F CPU MICROCONTROLLER



TOPVIEW V1.0  
ANNOTATED  
FALL 2019

**ANTEATER ELECTRIC RACING**

**"AMPEATER 2020"**

SCALE: 1:5, DIMENSIONS IN INCHES

**UC Irvine Senior Design Projects**