Key Design Characteristics

Building Type: Middle School Addition
Total Square Footage: 41,896 sf addition
Energy Cost/sf: $0.99

Addition includes:

- 8 classrooms, 2 science labs, 2 science classrooms, synergistics lab, band room, chorus room, cafeteria (seats 260 students/session), kitchen, outdoor courtyard

Sustainable Design Elements:

- Energy Star Roof
- Mechanical System with Air Cooled Chillers
- Solar Orientation
- Sunshades
- Low-flow Fixtures

First Floor Plan

NORTH AUGUSTA MIDDLE SCHOOL ADDITION
Aiken County Public Schools
N. Augusta, South Carolina

DESIGNED TO EARN THE ENERGY STAR

The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.

LS3P ASSOCIATES LTD.

South Elevation

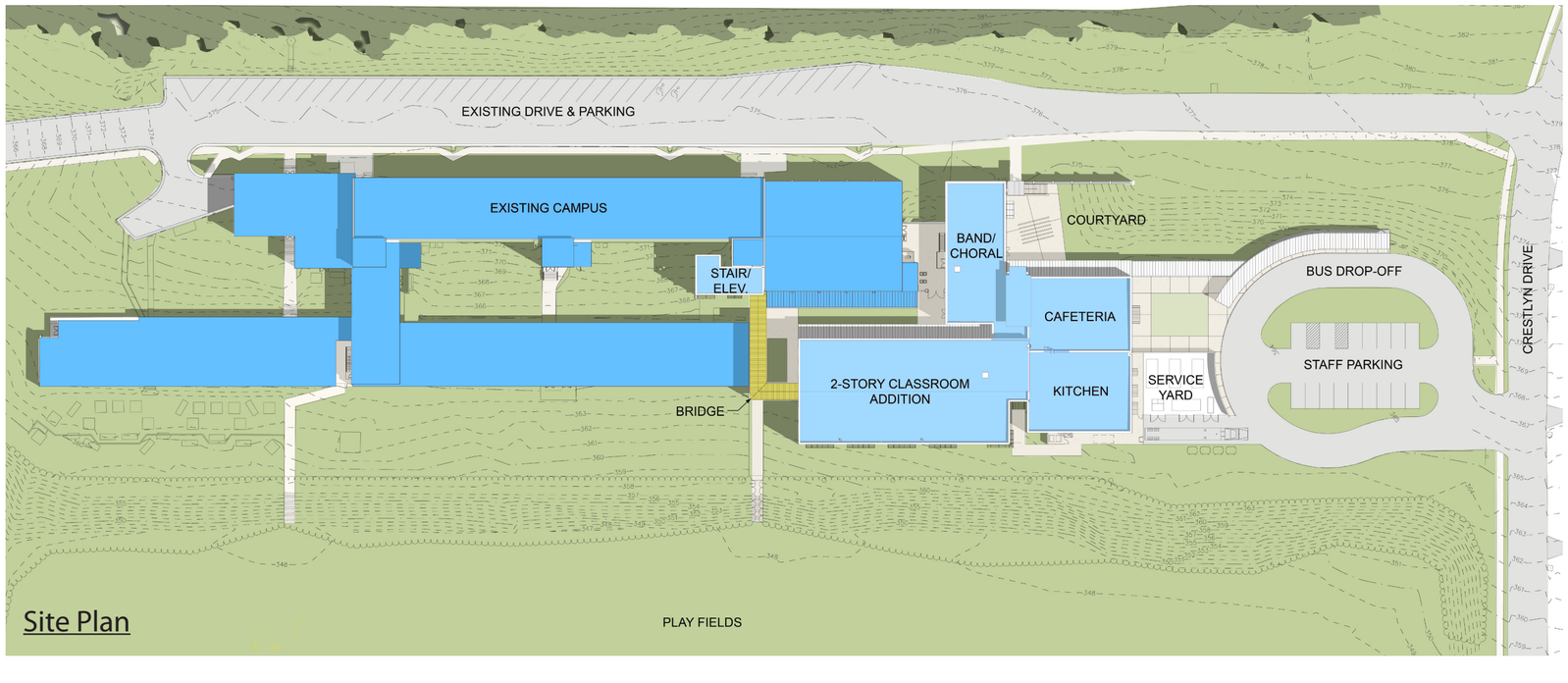
Statement of Energy Design Intent

Project: North Augusta Middle School

- Energy Use Intensity (EUI) = 122 kBtu/sf/yr
- Percent CO2 reduction = 33%
- ENERGY STAR design rating = 85
-

Annual Savings Statistics
(Compared to an average building EPA rating of 50)

- Energy savings = 2,500,000 kBtu
- CO2 savings = 113 Metric Tons CO2



Site Plan

Stair Connector