



NCDA&CS AGRICULTURAL SCIENCES CENTER



Designed
to support
NC Agriculture for the
next 50 years

ASC Building Features

- \$107 M in funding provided by Connect NC Bond (March, 2016) and NC General Assembly
- 225,000 square feet (equal to five acres total floor space under roof)
- First facility of its kind in the nation
- Energy conservation systems include
 - high-performance building envelope systems
 - High efficiency fans, variable volume air, and exhaust air energy recovery
 - high plume laboratory exhaust systems with energy recovery
 - Of occupancy sensors to not only shut off lights when unoccupied but also to control air handling systems
- Employee and Environmental safety systems
 - High intensity UV lights to treat air stream.
 - Bipolar Ionization system to clean indoor-air
 - Pathological Incineration Waste System
 - Laboratory waste water and effluent decontamination system

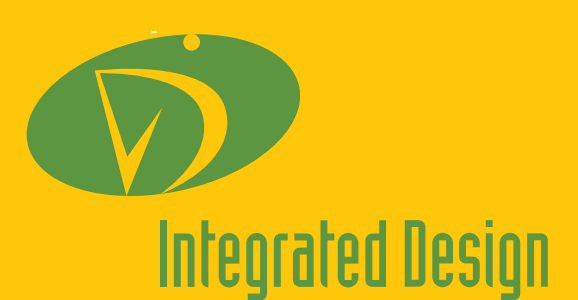
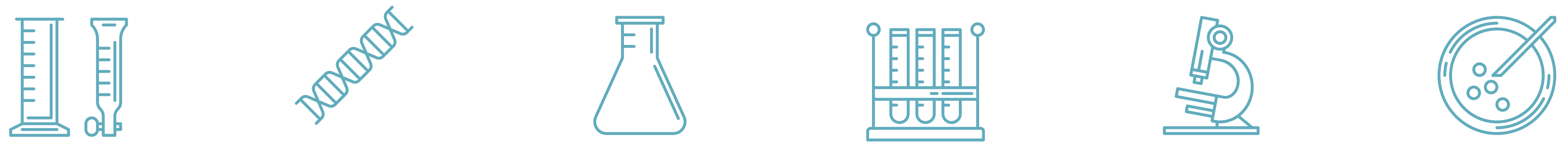
Opportunities offered by the ASC

- Flexible laboratory space to facilitate expansion into new and/or expanded analytical program areas such as swine testing, farmer forage, hemp, and alternate fuels/biodiesel.
- Designated spaces for new laboratory programs such as chronic wasting disease and whole genome sequencing testing.
- Elevated biosafety level (BSL-3) laboratory space to support testing of high-risk human and animal pathogens to provide rapid detection and response.
- Expanded, state-of-the-art training facilities to provide faster, cost-effective training/certification of pesticide applicators, maintaining and expanding the workforce

Serving North Carolina's #1 Industry

- Agriculture is the backbone of NC's economy, with a \$92.7 billion economic impact
- Agribusiness employs 17% of NC workforce
- Cropland and livestock farms present in all 100 NC counties
- ASC testing services offered at low or no cost to farmers

Steve Troxler
Steve Troxler, Commissioner of Agriculture



HERA laboratory planners