

Institute for Influenza Viral Research

BSL3, BSL3-Ag, and BSL2 Laboratories Accommodated for at Research Facility

- Hooper Corporation was contracted to accommodate for bio-safety level 3 (BSL3), bio-safety level 3 agriculture (BSL3-Ag), and bio-safety level 2 (BSL2) laboratories in the bird flu research center. BSL3 and BSL3-Ag laboratories are near the top of the federal government's four level scale for laboratories involving infectious agents.
- The facility was completely sealed and required double containment piping.
- Hooper crewmen sealed one pipe within another to catch any potential spillage and a leak detection system was installed for buried drains.
- Plumbing needed to be identified separately because of potential cross connection risks.
- Six different water systems and 14 backflow preventers were installed and identified by their hazard of use.
- The original building was gutted and retro-fitted to make room for research space and accommodate

for high bio-safety levels.

- Hooper uniquely identified and tagged each piping

sleeve cast into floors, walls, and ceilings of the BSL3-Ag space.



Researchers must use showers after researching bird flu at the Institute for Influenza Viral Research.



Architect's aerial schematic of Institute for Influenza Viral Research.