

Appendix D – Non-Airport Building Assessments

0206: Laboratory Animal Center 6**75.33%**

Address:
6089 Godown
Road, Columbus

Area:
11156

Construction Type:
Load-bearing Masonry Block frame w / Masonry skin

Auditor:
DMD & MAM

**Date
Constructed:**
1996

Construction Type 2:

Audit Date:
03/16/2015

Last Renovation:
NA

Structural Span:
Varies 24'0", 12'0", 8'0"

Arch/MEP:
40% / 60%

LEED:
NA

Historic Significance:
NA

Clear Floor Heights (2 Floors):

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The Laboratory Animal Center Building 6 was originally built for animal research with a BSL 3 laboratory. The building is now leased to Q-Test Research Labs who have occupied it for the past five years. The structure is a CMU block building with an interstitial space to house mechanical for the laboratory equipment. The perimeter and interior load bearing walls are CMU block with pre cast concrete ceiling panels. The interstitial spaces have metal stud framed walls and gable roofs which are fully sheathed and have standing seam metal wall and roofing systems installed over them. The exterior walls have been painted, however, this finish is fading and should be refreshed with new paint when feasible. The flat roofs of the structure have modified bitumen, built up roofing systems installed which are beginning to show their age but remain adequate. Scuppers with downspouts direct storm water off the roof, however, this water is deposited directly onto the ground at the structure causing erosion. Interior walls are painted CMU, some with an epoxy coating. The BSL 3 lab has an airlock door system and the exhaust from this area is treated with hepa filters prior to being released into the air. Two boilers provide heating hot water for the building while a third boiler provides steam for the lab cleaning appliances, cage washers, and humidifiers. These are in good condition. The interior is equipped with explosion proof devices covering the lighting, emergency equipment, and outlets. There is a large lift located on the dock to load animal cages. Interior finishes are in good condition. There are locker rooms for both sexes which have ADA compliant water closets and shower stalls. The structure has various lab equipment including, large cage washer, autoclave, surgical tables and equipment, walk in freezers and refrigerators, and stainless steel or composite cabinets and countertops. The structure and its contents are well maintained and in good condition. The facility assessment team was escorted by and interviewed Mr. Jason Chipps with University Laboratory Resources while conducting their field work.

This building was previously numbered 206 but was updated to 0206 per the University's revised numbering system. AS

Architectural**76.00%****Interior Finishes**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

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The structure has 48" metal doors with metal frames, stainless steel kick plates, and lever hardware. Hallways have double metal doors in metal frames with stainless steel kick plates and magnetic hold opens tied into the fire alarm. Some lab spaces have 36" doors with a side panel that opens. Several doors have small viewing windows. The doors are in adequate condition. The BSL 3 lab has metal pressure isolation doors which are in good condition.

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A steel, service ladder provides access to the mezzanine. The ladder is worn but remains in adequate condition.

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Interior walls are CMU block with painted finishes, epoxy or glazed coatings with a stainless steel chair rail along the hallway for bump protection. These are in adequate condition. The mechanical room's CMU walls are stained and worn. The mezzanine has exposed CMU block and metal stud framed walls with exposed exterior sheathing and insulation. These walls are in adequate condition.

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Reinforced concrete slab floors with epoxy coating, vinyl resilient sheet flooring, VCT, and exposed concrete. The floors are worn but well maintained and in adequate condition. The mechanical room floors are stained but in good condition.

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The building has concrete panel ceilings which have been painted, some areas of paint are chipped and peeling. The restrooms, technician's office, supply room, vestibule, and surgery suite have commercial drop ceilings with 2'x4' acoustical tiles. Mechanical and service areas have exposed ceilings. The chipped and peeling paint should be scrapped and repainted. The ceilings are in adequate condition.

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The building has a large, walk in, cage cleaner, an autoclave, and stainless steel animal cages. Surgical suites have stainless steel operating tables and stainless steel base and wall cabinets with soapstone countertops. Lab spaces have composite wall cabinets and countertops. There are several large, walk in freezers and refrigerators as well. The equipment is well maintained and in good condition. A washing machine and dryer are located in room 107 and are in good condition. The restrooms have metal partitions which are worn but remain adequate. A Kelley Atlantic lift is located at the loading dock. This unit has begun to rust heavily but remains functional.

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

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Multiple exits met life safety codes when built and remain adequate.

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A 3' tall parapet wall surrounds the flat roof of the building providing fall protection.

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%

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The signage meets current ADA standards.

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The men's restroom is ADA compliant with an ADA compliant shower stall as well.

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The women's restroom is ADA compliant with an ADA compliant shower stall as well.

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NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%

Error: Subreport could not be shown.

Two single steel entry doors from the hallways are not ADA compliant as there is no accessible route to them on the exterior of the building. Single steel entry door to mechanical room is not ADA compliant.

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Double steel entry doors into mechanical room are not ADA compliant as there is no accessible route to them on the exterior of the structure.

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Single steel, main entry door, is ADA compliant with an accessible route and lever hardware. There are two double, steel entry doors off the dock area which are accessible. A single steel entry door off the disposal area is not ADA compliant.

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Set of double steel entry doors off the hallway are not ADA compliant as there is no accessible route to them on the exterior of the structure.

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NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

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The exterior walls are load bearing CMU block which has been painted. The paint is very faded and should be considered for repainting when feasible. The exterior walls are in good condition. The interstitial space has metal stud framed walls with exterior sheathing and standing seam metal siding. The siding is weathered but remains in good condition. The overhang at the main entrance is also clad in standing seam metal siding which is faded in places but remains adequate.

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The structure has glass block windows along the east elevation. These are in good condition.

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The structure has single and double steel entry doors with lever hardware. These are in good condition.

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The structure has a modified bituminous roll roofing system installed on insulation and sheathing with a factory applied granule surface. This roofing system is worn but remains in good condition. The interstitial space has a metal stud framed roof which has been fully sheathed and has a standing seam metal roofing system installed. This roof is in good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Error: Subreport could not be shown.

The structure has continuous, reinforced concrete footers and piers with CMU block foundation walls to grade and above and reinforced concrete slab floors. These are sound and in good condition.

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NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Error: Subreport could not be shown.

The structure consists of load bearing, CMU block perimeter and interior walls supporting precast, reinforced concrete roof panels and a built up, insulated roofing system. The interstitial space has metal stud framed walls and roofs with exterior sheathing and standing seam metal wall and roofing systems. The structure is sound and in good condition.

MEP**74.88%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

74.38%

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The building has wall mounted water closets and lavatories which are in good condition. Both restrooms have shower stalls with ADA compliant fixtures. There are single, wall mounted water fountains. Lab spaces have single basin, stainless steel sinks. Surgical suites have stainless steel surgical tables with built in single basin sinks. The fixtures are in good condition throughout. In addition, there are several hose bibs located throughout for cleaning which are in adequate condition.

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The domestic water system has insulated copper piping which is in good condition.

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The sanitary waste and vent system has no-hub, cast iron piping which is in adequate condition.

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The structure has a 3" water service, with reduced pressure backflow preventer and a meter, from the public utility. The system is in good condition.

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The structure has scuppers and downspouts which drain directly onto the ground at the structure. These should be extended further away from the structure to prevent erosion and deterioration.

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A Chemline, natural gas fired, 130 gallon hot water heater provides hot water for the structure with a 1 1/2" supply, 1" return, and circulating pump. The water heater is in good condition.

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The structure has a 2" natural gas service, from the public utility, with welded and threaded steel pipe and malleable iron fittings to the building appliances. The system is in good condition.

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Labs have hot and cold water, vacuum, compressed air, and natural gas piping which is well maintained and in good condition.

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Error: Subreport could not be shown.

NA

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Two natural gas fired, Bryan, heating hot water boilers supply the air-handling units, reheat coils and unit heaters. One natural gas fired, Cyclonic, process steam boiler supplies the lab cleaning, cage washers, and humidifiers. These systems are in good condition.

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One packaged, DX screw, 114 ton chiller, with a 225 gallon per minute chilled water supply pump, supplies the building's air-handling units. The system is in good condition.

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Two rooftop air handling units with chilled water, preheat and heating coils, humidifiers, and 35%, 65% and 95% HEPA filters are in adequate condition. Area exhaust fans interconnected with outside air louvers are in good condition as well.

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The air distribution system utilizes sheet metal supply and return ducts with some being exposed spiral oval or round ducts. The air system distribution is in good condition.

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The building has 3/4" to 4" steel, welded and screwed piping on the heating hot water and chilled water supply and return lines with insulation. The piping is in good condition.

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The building has 3/4" to 3" steel, welded and screwed piping on the steam heating supply and return lines with insulation. The piping is in good condition.

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DDC thermostats control the air handling units and electric thermostats control the exhaust fans. These are in adequate condition.

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The lab hood exhaust fans have sealed, sheet metal supply, return, and exhaust ducts which are tested annually and are in good condition.

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The lab hoods have manual controls which are tested annually and are in good condition.

Error: Subreport could not be shown.

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Error: Subreport could not be shown.

The building has portable fire extinguishers located through out which are in good condition.

Error: Subreport could not be shown.

NA

Error: Subreport could not be shown.

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Error: Subreport could not be shown.

The structure has a 600 amp, 480/277 3 phase service from AEP which is in good condition.

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There are 100 amp and 200 amp, 480/277 3 phase lighting and power distribution panels along with 225 amp and 150 amp, 208/120 3 phase power distribution panels. These are in good condition.

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The structure has surface mounted and lay in, T-8 fluorescent light fixtures and exterior HID lighting. The covers of the exterior HID lighting have yellowed. The lighting is in adequate condition.

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The building has illuminated exit signs with explosion proof cases and battery back ups. These are in good condition.

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The building has a Simplex 4020 Fire Alarm control panel with pull stations at exits with explosion proof covers, heat and smoke detectors, and combination horn/strobes. The system receives and passes annual inspections and is in good condition.

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Mechanical rooms, service areas, and restrooms have emergency egress wall packs with battery back ups, these range from fair to good condition. The hallways have emergency ballasts with battery back ups for emergency lighting which are in adequate condition.

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Wall mounted light switches, some with explosion proof covers, are located through out with some rooms have automatic sensors. These are in good condition.

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The structure has a Lenel system with card swipes on exterior doors and some interior doors. The system is in good condition. There are also closed circuit tv cameras located though out the building, it was reported that these are no longer active.

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NA

Error: Subreport could not be shown.

The building has adequate telephone and computer access and coverage.

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The structure has 20 amp GFCI wall receptacles, many with explosion proof covers, located through out. These are in adequate condition.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Error: Subreport could not be shown.

NA

0323: Horse Barn South - OSU Equine Program**68.84**
%

Address:
3658 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
5192

**Date
Constructed:**
1972

Last Renovation:
2014

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 81'4", 29'8", 10'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 16'6"

The Equine Facility at The Ohio State University is operated by faculty and staff of the Department of Animal Sciences. Currently, the facility houses Quarter Horses and is the central location for all equine-related teaching, research, and Extension activities. The facility features a hot/cold wash rack, 28 box stalls, 2 large foaling stalls equipped with cameras, 2 large stallion stalls, breeding lab, and a classroom with seating for up to 50 students. A large outdoor arena with several paddocks with turn-out shelters complete the facility. The experiences offered by The Ohio State University Equine Program provide students with the opportunity to enhance their formal education with hands-on experience. Routine care of the animals and facilities comes first, everyone is expected to do whatever is needed around the farm. The facility also offers full-care horse boarding with 16 box stalls available for public boarding.

In 2011, a storm took out a portion of the roof over the arena portion of this barn. As a repair, the entire roof was removed from the arena but the end walls were left. In 2013, repairs were made to the exposed walls of the service and stall areas of the building. The end walls of the arena were removed and the now exterior walls were covered in plywood on the interior and standing seam metal siding was installed on the now southern structure, while corrugated metal was added to the now northern section. A total of 13,651 square feet of covered arena area was lost due. The Equine program is currently using Plumb Hall's covered arena.

The Horse Barn is a long post and beam structure with two shed roofs. The structure consists of 6"x6" post framing with double 2"x10" headers supporting engineered roof trusses. The interiors of the building have been finished with wooden stud framed walls and ceilings with painted drywall over them. Situated west to east, the southern side of the building has classrooms, labs, tack rooms, restrooms, and animal stalls. The northern portion of the building was recently enclosed when the arena portion was damaged. The arena portion has been totally removed at this time. The northern portion of the building now has a standing seam metal wall and roofing system installed. The interior of the building is very utilitarian. Finishes are worn and damaged as well as the mechanicals. It was reported that pipes freeze in the winter due to being in unconditioned spaces inside the building. There is currently a space heater sitting in the plumbing chase to help with this. The structure has a classroom which is very worn and dated. Unit heaters throughout the structure are old and damaged, some are no longer operational. It was reported that it is difficult to maintain a constant temperature during winter months. When the northern side of the building was enclosed, untreated plywood was installed in the corridor. Newer exit signs with emergency lights were installed in 2013. The building retains it's original aluminum and single pane glass windows. While functional, they allow a large amount of air infiltration. Areas of drywall have been cut out or damaged in order to repair plumbing leaks. These areas should be repaired. It was noted that the large hole in the wall in room 103L was not being repaired as it is helping in heating the plumbing chase behind it. There are two functioning restrooms which are ADA compliant. There are also two restrooms, located in the two tack rooms, which have been abandoned in place. These fixtures should be removed and their water supplies capped. Two animal stalls are located on the west end of the building. These have asphalt floors with rubber mats over them and saw dust. 2"x6" tongue and groove wood cover their walls. These are worn due to heavy usage but remain adequate. The structure while sound, was once one building and is now two due to the removal of the roof and walls of the arena. Room 141 is used to store flammable materials (gasoline) and should have a ventilation system installed for safety. The facility assessment team was escorted by and interviewed Mr. Dan Rhodeback, Equine Facilities Coordinator, while conducting their field work.

This building was previously numbered 323 but was updated to 0323 per the University's revised numbering system. AS

Architectural

68.16%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

60.29%

Doors

Level 1 **3** 75.00%

The interior doors of the barn are single and double, hollow metal doors in metal frames, with cylinder and lever hardware. Some of the doors have been painted and their finish is now chipped. The two stalls have sliding wooden, tongue and groove doors with metal bars installed above 3' and metal trim to keep animals from chewing on it. These doors are weathered and worn but remain functional.

StairwaysLevel 1 **NA**

NA

WallsLevel 1 **2**

The interior walls of the hallway have been insulated and covered with unfinished plywood to enclose the northern portion of the building. The southern portion of the hallway has tongue and groove wooden walls to 6' then the tops have been covered in plywood as well. Restrooms, tack rooms, labs, and classrooms have painted drywall covered walls with vinyl base. These walls are worn and damaged due to repairs and heavy usage. They would benefit from being repaired and refreshed with new paint. The wall in room 103 was cut out to make plumbing repairs and was left open to allow heat into the chase wall. This should be patched and either a vent installed or a heater installed in the chase wall. Animal stalls have tongue and groove wooden walls with corrugated metal running above 5' to the underside of the trusses in the separation wall. These walls are worn and damaged from animals chewing. They remain adequate.

FloorsLevel 1 **2**

The floors of the building are a reinforced concrete slab on grade. Some areas have had vct installed. This tile is dirty, worn, and damaged in many areas. The vct should be repaired or replaced where damaged and missing. The classroom's exposed floor has been sealed. The concrete floors are worn and stained throughout but remain adequate. The stalls have asphalt floors with rubber mats over them and saw dust. These floors remain adequate.

CeilingsLevel 1 **3**

The stalls have open ceilings which are in adequate condition. The hallway has unfinished plywood installed with insulation above. These are also adequate. The remaining areas of the building have painted drywall ceilings which are in adequate condition. The ceiling in room 113 was cracked and had peeling paint.

Fixed FurnishingsLevel 1 **2**

The lab has wooden base and wall cabinets with laminate countertops. These cabinets are very worn but remain functional. Room 121 has built in wooden shelving for storage. The bathrooms have metal and composite partitions which are very worn. Rooms 103L and 107L have been turned into tack rooms with wooden shelving added for storage of equipment. Room 107L also has staked metal wall lockers. These lockers are very worn but remain functional.

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Means of Egress**Level 1 **3**

The building has multiple means of egress which met life safety codes when built and remain adequate.

Roof Fall ProtectionLevel 1 **NA**

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

98.21%**Signage**Level 1 **A** 75.00%

There are tactile signs for the restrooms. There is no way finding signage for the building.

Restrooms MenLevel 1 **C** 100.00%

The men's restroom, 105T is ADA compliant.

Restrooms WomenLevel 1 **C** 100.00%

The woman's restroom, 103T, is ADA compliant.

Vertical AccessLevel 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%Level **NA**

NA

Level 100.00%

The main entrance into the building there is a set of double steel entry doors with pull handles which are ADA compliant. A single steel entry door with 1/2 window is not accessible. There is also a set of double, wooden sliding barn doors which have standing steel metal installed over them to match the structure.

Level 75.00%

The east elevation has a single steel entry door with an accessible route.

Level 0.00%

The west elevation has a single steel entry door which is not accessible from the exterior.

Level **NA**

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

67.50%Level

The exterior walls of the building are clad in painted, standing seam metal siding. The paint has begun to chip and peel on the southern side. The standing seam metal siding on the north side was recently added, in 2013, to seal off the wing due to the removal of the damaged roof over the arena.

Level

The building has 3 double hung, double pane glass windows which are in adequate condition. The remaining 13 windows are the original, aluminum sliding windows with single pane glass. These windows are worn and allow air infiltration. The aluminum windows should be updated when feasible.

Level

The building has double steel entry doors in metal frames on the south elevation which are in adequate condition. There is a single steel entry door on this elevation as well with a half window in a metal frame. Two steel entry doors provide egress from the east and west elevations. The doors are worn but remain functional.

Level

The roof over the southern portion of the building is standing seam metal with metal flashing. This roof is older and there are signs of previous water penetration. The northern portion of the building has a new roof which installed in 2013. It is a standing seam metal roofing system over the hallway of the building. This roof is in very good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure has post hole footers which are reinforced with concrete and a reinforced concrete slab on grade floor. The footers remain in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure consists of post and beam construction with wooden 8"x8" post, 6"x8" end wall post, 2"x6" tongue and groove wooden walls, double 2"x10" beams, with 2"x8" banding, and 2"x6" wood girts and purlin, supporting engineered roof trusses. Interior partition walls are wood stud framed. A new wall was created along the north side of the building to enclose the area due to the removal of the arena. This wall has 4"x4" posts with 2"x10" beams supporting 2"x6" roof framing. The structure is sound and remains adequate.

MEP

69.30%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

69.12%

FixturesLevel 1 **2** 50.00%

The two restrooms have ADA compliant floor mounted water closets and wall mounted lavatories with protective wrap for their pipes. These are in good condition. The tack room, 103L, has a mop sink, floor mounted water closet, wall mounted urinal, wall mounted lavatory, and an enclosed shower stall. These are all abandoned in place and are heavily stained. Room 107L also has a floor mounted water closet, wall mounted lavatory and an enclosed shower stall which have been abandoned in place. These are also heavily stained. It is recommended that these abandoned fixtures be removed and their water supplies capped. A dual stainless steel sink is located in the lab area which is in adequate condition.

Water Piping Inside BuildingLevel 1 **3** 75.00%

The domestic water system has insulated copper piping. Some domestic water piping is installed underground to the frost proof yard hydrants. The pipe is in adequate condition.

Sanitary Vent PipingLevel 1 **3** 75.00%

The sanitary waste and vent system has bell & spigot cast iron piping which drains to a sewage treatment plant at the southeast corner of the property. The piping is in adequate condition.

Water ServiceLevel 1 **3** 75.00%

The structure has a 2" water supply from the public utilities. The service is adequate for the use of the structure.

Storm PipingLevel 1 **3** 75.00%

The building has aluminum gutters and downspouts which drain to pvc boots then to vitrified clay pipe to lower areas. The storm water management is adequate.

Hot Water SourceLevel 1 **3** 75.00%

The building has a natural gas fired, 40 gallon, AO Smith hot water tank located in room 121. The tank was installed around 2012 and is in good condition.

Natural Gas PipingLevel 1 **3** 75.00%

There is a 3" natural gas service with meter and pressure relief valves, welded and threaded steel pipe, and malleable iron fittings to the building's appliances. The piping is in good condition.

Laboratory PipingLevel 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

64.71%**Fuel Oil System**Level 1 **NA** NA

NA

Primary Heating SourceLevel 1 **2** 50.00%

The heating system has natural gas fired unit heaters, electric baseboard heaters, wall mounted fan coil units, and wall heating units. These units are worn and damaged throughout. Several wall mounted units have their "guts" removed, while other units have their covers removed, exposing the components. It was reported that these units do not function properly and are in constant need of maintenance. The units should be considered for replacement as soon as feasible.

Primary Cooling SourceLevel 1 **2** 50.00%

There is a window mounted AC unit in room 103T. This unit does not work and is too small for the space. It should be removed or replaced.

Air System EquipmentLevel 1 **3** 75.00%

The building has area exhaust fans which are interconnected with outside air louvers. They remain in adequate condition.

Air System DistributionLevel 1 **3** 75.00%

The system utilizes interconnected exhaust fans with outside air louvers. They are in good condition.

Hydronic Water PipingLevel 1 **NA** NA

NA

Steam PipingLevel 1 **NA** NA

NA

Building ControlsLevel 1 **3** 75.00%

The systems utilize electric thermostats to control the heaters. These remain adequate.

Laboratory Exhaust SystemLevel 1 **2** 50.00%

Room 141 is used to store gasoline. This room lacks proper ventilation for the storage of these materials. An exhaust fan should be installed for safety.

Laboratory Hoods/ControlsLevel 1 **NA** NA

NA

Computer Room AC EquipmentLevel 1 **NA** NA

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Fire Service**Level 1 **3** 75.00%

The building has wall mounted portable fire extinguishers located in the hallway. These are tested annually and are in good condition.

StandpipesLevel 1 **NA** NA

NA

Sprinkler SystemLevel 1 **NA** NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

73.44%**Service Entrance**Level 1 **3** 75.00%

The building has a 600 amp, 208/120/3 phase from AEP. The service is in adequate condition.

DistributionLevel 1 **3** 75.00%

There is a 400 amp and four 225 amp, 208/120/3 phase lighting and power distribution panels. located in room 139. The panels and switches have begun to rust, however, they remain adequate.

LightingLevel 1 **2** 50.00%

The building has lay-in and hung T-8 and T-12 fluorescent light fixtures for the interior spaces and HID lighting for the exterior. The fluorescent lighting should be updated when feasible. , Incandescent light fixtures should have compact fluorescents installed when feasible.

Exit SignsLevel 1 **4** 100.00%

The structure has new, combination exit signs with emergency lighting and battery back-ups. These were installed in 2013 and remain in very good condition. An older, exit only sign remains above the double entry door in room 100, this should be upgraded to a combination exit sign with emergency lights when feasible.

Fire Alarm SystemLevel 1 **NA** NA

NA

Emergency Egress LightingLevel 1 **4** 100.00%

The building has combination exit signs with emergency lights and battery back-ups. These are in good condition.

Lighting Controls Level 1 **3** 75.00%

Wall mounted light switches are utilized throughout. The are in adequate condition.

Security Systems Level 1 **3** 75.00%

Several doors have key pad locks on them which are in adequate condition.

Emergency Power Level 1 **NA** NA

NA

Phone/Data Systems Level 1 **3** 75.00%

The building has adequate telephone and data access.

Quantity of Receptacles Level 1 **3** 75.00%

The structure has both 20 amp and 20 amp GFI wall receptacles located throughout with adequate coverage.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts Level 1 **NA** NA

NA

0326: Swine Barn**71.93%**

Address:
3671 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/04/2015

Arch/MEP:
40% / 60%

Area:
15402

**Date
Constructed:**
1972

Last Renovation:
1998

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 60'0", 42'0", 32'0", 20'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 10'0"

The Swine Barn was first occupied in 1972 and was a single story building with offices, laboratory rooms, swine feeding pens, isolation nurseries and classroom facilities. Student sleeping quarters with kitchenettes have been added. A pole barn structure, the building consists of 6"x6" wooden posts with engineered beams supporting engineered wooden roof trusses. There are multiple gable roof elevations for the separate sections of the building. A 2"x6" wooden, tongue and groove knee wall surrounds the structure to approx. 4' above grade. The exteriors are clad in standing seam metal wall and roofing systems supported on wooden girts and purlin. The building is divided into three sections. The center portion holds classroom, office, lab, and sleeping areas. There is a men's locker room with showering facilities. There is no designated women's restroom in this building. This center portion is brightly painted and well maintained. It is conditioned with ceiling mounted gas fired unit heaters and through wall combination heating and cooling units. The west wing of the building has farrowing and finishing rooms with steel tube animal pens. The east wing has gestation rooms, breeding rooms, and finishing pens. The building is in good condition, however, some of the building components are approaching the end of their useful life cycle and should to be replaced. Animal pen areas are worn and finishes are in need of repair. The roof has had a waterproof membrane installed and the exterior siding was replaced approx. 10 years ago with new insulation installed in the sidewalls. The structure is sound and functions as designed. The facility assessment team was escorted by and interviewed Mr. Ken Mays, Swine Operations Manager, while conducting their field work.

This building was previously numbered 326 but was updated to 0326 per the University's revised numbering system. AS

Architectural**68.79%****Interior Finishes**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

66.18%**Doors**

Level 1 **3** 75.00%

Wooden doors in wooden frames with cylinder hardware, wooden sliding doors on steel tracks, single steel entry doors with metal frames and cylinder hardware, and double steel hinged doors with viewing windows and push hardware. Many doors have painted finishes which are in good condition. Animal pens have galvanized steel tube gates. The doors through out are in good condition.

StairwaysLevel 1 **NA** NA

NA

WallsLevel 1 **3** 75.00%

The hallway and educational portions of the building have 2"x6" wooden, tongue and groove kneewalls to 4' above the floor with painted drywall to the ceiling supported on wooden studs and girts. Offices, restrooms, and living quarters have painted drywall installed over wooden stud framing and wooden girts. There is some wooden paneling installed. Several areas of the paneling are damaged. The animal pen areas have 4'x8' laminated wall panels with seam covers installed on wooden stud framed walls with corrugated galvanized metal on perimeter walls above the 2"x6" wooden, tongue and groove kneewalls. Animal pens have steel tube walls. Some areas have the exposed underside of the exterior slat siding visible. The walls range from fair to good condition with the animal areas being more worn and damaged.

FloorsLevel 1 **2** 50.00%

The entire structure has reinforced concrete slab on grade floors with some vct in offices and living spaces but the majority are exposed. These floors are in poor to fair condition with many areas of the vct damaged or missing and the concrete is heavily stained through out. Rooms 118A and B have epoxy floor coverings which are worn but in adequate condition. The classroom area has elevated, concrete step flooring for seating which is in good condition. Animal pens have metal grate flooring.

CeilingsLevel 1 **3** 75.00%

Occupied spaces have painted drywall ceilings, 2'x4' commercial drop ceilings with vinyl tiles, or wooden wafer board tiles. These are in fair to good condition with several areas of painted drywall needing repair. The animal areas have 4'x8' laminated moisture resistant panels with seam covers or painted drywall ceilings which are worn but remain adequate.

Fixed FurnishingsLevel 1 **2** 50.00%

Wooden base and wall cabinets with laminate and soapstone countertops are worn and damaged. Kitchenettes have electric ranges with recirculation hoods and refrigerators which are heavily used but remain adequate. Sleeping rooms have wooden built in shelving and dresser units with steel framed bunk beds. These are also worn but remain adequate. Metal wall lockers are located in rooms 102A and 126T which have painted finishes which are worn. A washer and dryer are located in room 126T which are heavily used. Lab spaces and the classroom area have upright freezers. Five small, feed bins are located on the west, south, and east elevations, these are well maintained and in good condition. Some animal pens have heat lamps and/or automatic feeding systems which are heavily used and worn. An animal scale is also located in the east wing which is in adequate condition. The gravity flow animal waste collection pits are getting full of gravel and are not functioning to their full capacity due to this.

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%**Means of Egress**Level 1 **2** 50.00%

The building has multiple means of egress which met life safety codes when built and remain adequate. It should be noted that some doors out of animal areas have been blocked off on the interior which prohibits egress from those areas. These doors should be made functional again.

Roof Fall Protection

Level 1 NA NA

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%

Signage

Level 1 C 100.00%

The building has some accessible and some ADA compliant signage. Signage for restrooms and lockers rooms are ADA compliant. Remaining signage should be replaced with ADA compliant signage.

Restrooms Men

Level 1 C 100.00%

Single occupant, uni-sex restroom is ADA compliant. The men's locker room is accessible but not ADA compliant.

Restrooms Women

Level 1 C 100.00%

Single occupant, uni-sex restroom is ADA compliant. There is no designated women's restroom or locker room.

Vertical Access

Level 1 NA NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%

Level 100.00%

Single steel entry door with ADA compliant hardware. Overhead garage door.

Level 100.00%

Single steel entry doors with cylinder and ADA compliant lever hardware.

Level 0.00%

Single steel entry doors in animal areas have been blocked on the interior. Sliding barn style door is not ADA compliant.

Level 0.00%

Sliding barn door on steel tracks is not ADA compliant.

Level NA

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

67.50%Level

The exterior walls of the building are clad in standing seam metal siding supported on wooden framing and girts with insulated wall cavities. A 2"x6" wooden tongue and groove band is around the perimeter of the structure at grade. The exterior walls are in good condition.

Level

Sliding, single pane glass, aluminum windows are in poor to fair condition and should be considered for replacement.

Level

Single steel entry doors with lever hardware, some with windows, are in fair to good condition. Several doors have been made inaccessible on the interior, these blockades should be removed and the doors made operable again. Sliding barn style doors on steel tracks with matching standing seam metal siding are in good condition. Aluminum overhead, insulated garage door is in good condition.

Level

The roofs are clad in an insulated, standing seam metal roofing system supported on wooden engineered roof trusses and purlin. A waterproof membrane has been added to the system and it is in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure has post hole footers which have been reinforced with concrete and reinforced concrete, slab on grade floors. Several posts have been repaired by cutting the post off at the ground, deteriorated sections were removed and new concrete piers have been poured, with brackets, and the posts have been bolted to these. The footings are in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

A pole barn structure, the building consists of 6"x6" wooden posts with engineered beams supporting engineered wooden roof trusses. A 2"x6" wooden tongue and groove knee wall surrounds the perimeter of the structure with standing seam metal siding and roofing systems installed on wooden girts and purlin. Several posts have been repaired by cutting the post off at the ground, deteriorated sections were removed, new concrete piers have been poured with steel post brackets installed and the posts have been bolted to these. The structure is sound and in adequate condition.

MEP

74.02%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

FixturesLevel 1 **3** 75.00%

Floor mounted water closets, wall mounted lavatories, and urinals are in adequate condition. Two shower stalls, with plastic wall surrounds, are in adequate condition. Dual stainless steel sinks are located in the lab and kitchenette areas and are stained but remain adequate. PVC laundry sink is adequate. Animal pens have automatic watering systems which are heavily used but adequate. Several frost proof hydrants are located in the animal areas, along with hose bibs, which are worn but adequate. A water fountain is located in the hallway for students and staff.

Water Piping Inside BuildingLevel 1 **3** 75.00%

The domestic water system has insulated copper piping with some run underground to the animal pen areas for watering systems and frost proof hydrants. The piping is adequate.

Sanitary Vent PipingLevel 1 **3** 75.00%

The sanitary waste and vent system has bell & spigot cast iron piping which drains to pretreatment tanks then to the sewage treatment plant at the southeast corner of the property. The gravity flow animal waster removal system is starting to get gravel in the pits.

Water ServiceLevel 1 **3** 75.00%

2" water supply from the public utility is in good condition.

Storm PipingLevel 1 **3** 75.00%

Aluminum gutters and downspouts drain to cast iron boots then to vitrified clay pipe away from the structure. The boots are heavily rusted but they system remains adequate.

Hot Water SourceLevel 1 **3** 75.00%

Domestic gas fired 50-gallon hot water heater provides hot water, it is in adequate condition.

Natural Gas PipingLevel 1 **3** 75.00%

The structure has a 2" natural gas service with threaded steel pipe and malleable iron fittings from the local utility. The gas piping is in good condition.

Laboratory PipingLevel 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fuel Oil SystemLevel 1 **NA** NA

NA

Primary Heating Source Level 1 **3** 75.00%

Heating system consists of natural gas fired unit heaters, fan coil units and combination through walls AC units with electric heat. The unit heaters located in the animal areas are dirty and should be cleaned and tuned, they remain functional. The combination units in the office and sleeping quarters are in adequate condition.

Primary Cooling Source Level 1 **3** 75.00%

Through wall 1.5-ton AC units with electric heat and 1-1.5 window AC units located in the office and sleeping areas are in adequate condition.

Air System Equipment Level 1 **3** 75.00%

Area exhaust fans are interconnected with outside louvers and supply air fans.

Air System Distribution Level 1 **3** 75.00%

Sheet metal supply and exhaust air ducts for heating systems and poly-flex supply air tube ducts with air distribution holes. These should all be cleaned, they remain functional.

Hydronic Water Piping Level 1 **NA** NA

NA

Steam Piping Level 1 **NA** NA

NA

Building Controls Level 1 **3** 75.00%

Electric thermostats control ventilation, heaters, and AC units. These are in adequate condition.

Laboratory Exhaust System Level 1 **NA** NA

NA

Laboratory Hoods/Controls Level 1 **NA** NA

NA

Computer Room AC Equipment Level 1 **NA** NA

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Fire Service**Level 1 **3** 75.00%

Portable fire extinguishers.

/Hose cabinet with 100 feet of 1-1/4" fire hose (removed). Cabinet is rusting, but hose is used for cleaning floors.

StandpipesLevel 1 **NA** NA

NA

Sprinkler SystemLevel 1 **NA** NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

72.06%**Service Entrance**Level 1 **3** 75.00%

The structure has three - 200 amp, 208/120 3 phase services from AEP which are in good condition.

DistributionLevel 1 **3** 75.00%

The structure has three, 225 amp, 208/120 3 phase, lighting and power distribution panels with surge protectors installed on each panel. The systems are in good condition.

LightingLevel 1 **3** 75.00%

Lay-in and hung T-8 and T-12 fluorescents, 55-200 watt compact fluorescents, HID, and some incandescent lighting. Incandescent lighting should be replaced compact fluorescent bulbs and any remaining T-12's should be upgraded when feasible.

Exit SignsLevel 1 **3** 75.00%

Illuminated exit signs with battery back ups, some with emergency egress lights, are located through out. There are also several paper exit signs, with reflective lettering, located through out. These should be removed and illuminated signs installed in their place. Combination exit signs with emergency egress lights and battery back ups are recommended.

Fire Alarm SystemLevel 1 **2** 50.00%

The building lacks a fire alarm system. One should be installed for safety.

Emergency Egress LightingLevel 1 **3** 75.00%

Wall mounted emergency egress light packs with battery back ups are located through out. These are in good condition.

Lighting ControlsLevel 1 **3** 75.00%

Wall mounted light switches and weatherproof switches in animal areas are in adequate condition.

Security Systems Level 1

NA

Emergency Power Level 1

NA

Phone/Data Systems Level 1

The structure has adequate telephone and computer coverage.

Quantity of Receptacles Level 1

20 amp wall receptacles are located through out with adequate coverage.

Conveying Systems 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Elevators and Lifts Level 1

NA

0327: Hay Storage

80.70%



Address:
3637 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
6000

**Date
Constructed:**
2001

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 24'0", 12'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 16'0"

The Hay Storage building is a small pole barn with a gable roof. The structure consists of laminated 6"x6" posts and laminated 2"x10 beams supporting engineered wooden roof trusses. The exteriors are clad in standing seam metal wall and roofing systems supported on wooden girts and purlin. The structure's east elevation is completely open, with sliding barn doors on the remaining elevations. Four Brock grain bins are located on the north side of the building. This structure has a crushed limestone floor with a small concrete slab on grade in the northern most portion of the building. The structure is used for vehicle and hay storage and is well maintained and in good condition. The facility assessment team was escorted by and interviewed Mr. Gregg Fogle, Sheep Center Manager, while conducting their field work.

This building was previously numbered 0327 but was updated to 0327 per the University's revised numbering system. AS

Architectural

84.13%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1

NA

Stairways Level 1

NA

Walls Level 1

Interior walls are the exposed underside of the exterior standing seam metal wall systems supported on posts and wooden girts with 2"x6" wooden tongue and groove kneewalls around the north, west, and south elevations. The kneewalls are worn. The interior walls are in adequate condition.

Floors Level 1 **3** 75.00%

The structure has crushed limestone floors with a concrete slab in the northern portion of the structure. The floors are in adequate condition.

Ceilings Level 1 **3** 75.00%

Ceilings are the exposed underside of the exterior standing seam metal roofing system supported on engineered wooden trusses and purlin. The ceilings are in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

Three 9 ton and one 6 ton, Brock, grain bins are located on the north side of the building. These are in very good condition.

Life Safety
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The east elevation of the structure is completely open providing adequate egress from the structure.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility
 C:Compliant with ADA; A:Accessible; N:Not Accessible **100.00%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%Level

Single sliding barn door on steel tracks is blocked by the grain bins. It is not ADA compliant.

Level

Double sliding barn doors on steel tracks are accessible but not ADA compliant.

Level

East elevation is completely open providing ADA compliant access.

Level

Double sliding barn doors on steel tracks are accessible but not ADA complaint.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

98.21%Level

Exterior walls are clad in standing seam metal siding supported on wooden framing and girts. The west elevation has translucent fiberglass eve light panels at the roof line. The siding is in very good condition.

Level

NA

Level

The barn has sliding barn doors on steel tracks which are in adequate condition.

Level

The gable roof is clad in a standing seam metal roofing system supported on wooden roof trusses and purlin. The roof is in very good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

Post hole foundations which have been reinforced with concrete. A small, reinforced concrete slab on grade is installed in the northern most portion of the barn. These are in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Pole barn construction with laminated 6"x6" posts and 2"x10" laminated beams supporting engineered wooden roof trusses. The exterior of the structure is clad in standing seam metal wall and roofing systems supported on wooden girts and purlin. The structure is sound and in good condition.

MEP**78.41%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fixtures Level 1 **3** 75.00%

Heated water troughs fixtures are in good condition.

Water Piping Inside Building Level 1 **3** 75.00%

The domestic water system is installed underground to frost proof hydrants or water troughs.

Sanitary Vent Piping Level 1 **NA** NA

NA

Water Service Level 1 **3** 75.00%

1" water supply from public utility is in good condition.

Storm Piping Level 1 **3** 75.00%

Aluminum gutters and downspouts drain directly onto the ground at the structure. This storm water should be diverted further away to prevent deterioration.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1 **NA** NA

NA

Primary Heating Source Level 1 **NA** NA

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fire Service

Level 1

Portable fire extinguishers are in good condition.

Standpipes

Level 1

NA

Sprinkler System

Level 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

81.25%

Service Entrance

Level 1 4 100.00%

The structure has a 100 amp, 208/120 single phase service from AEP which is in good condition.

Distribution

Level 1 3 75.00%

100 amp 208/120 single phase lighting and power distribution panel. The panel is rusted but remains adequate.

Lighting

Level 1 3 75.00%

Surface mounted incandescent lighting that should be replaced with compact fluorescent bulbs.

Exit Signs

Level 1 NA NA

NA

Fire Alarm System

Level 1 NA NA

NA

Emergency Egress Lighting

Level 1 NA NA

NA

Lighting Controls

Level 1 3 75.00%

Wall mounted light switches.

Security Systems

Level 1 NA NA

NA

Emergency Power

Level 1 NA NA

NA

Phone/Data Systems

Level 1 NA NA

NA

Quantity of Receptacles

Level 1 3 75.00%

12/20/2017

0327: Hay Storage

20 amp GFIC wall receptacle.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

0328: Swine Isolation Building**73.57%**

Address:
3641 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/04/2015

Arch/MEP:
40% / 60%

Area:
832

**Date
Constructed:**
1973

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 24'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 10'0"

The Swine Isolation Building is a small square structure with a gable roof. The structure consists of wooden framed walls supporting engineered wooden roof trusses. The exterior of the building is clad in horizontal standing seam metal siding which has been painted red. The roof is clad in a standing seam metal roofing system. One set of double steel doors provides egress to and from the structure. The interior walls have laminated panels installed over insulation. The ceilings are the same. The structure is split into three rooms with the largest holding 12 steel tube animal pens with automatic watering systems. The other two rooms are used as research space with limited fixed furnishings. The spaces are conditioned with electric unit heaters and there are 4 window AC units installed through the walls in the rooms. This building has not been used in several years with old equipment left in place but wrapped in plastic to protect it. The structure is sound and in good condition. The facility assessment team was escorted by and interviewed Mr. Ken Mays, Swine Operations Manager, while conducting field work.

This building was previously numbered 328 but was updated to 0328 per the University's revised numbering system. AS

Architectural**75.79%****Interior Finishes**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Doors**

Level 1 **3** 75.00%

Laminated doors with insulation and cylinder hardware, some with louvers, are in adequate condition.

Stairways

Level 1 **NA** NA

NA

Walls Level 1 **3** 75.00%

Interior walls have laminated panels installed over insulated wooden framed walls. These are worn but remain in adequate condition.

Floors Level 1 **3** 75.00%

The structure has reinforced concrete floors with have been sealed and the rooms off the animal pen area have had an epoxy coating applied. These floors are worn but remain adequate.

Ceilings Level 1 **3** 75.00%

The ceilings have laminated panels installed on the roof trusses with insulation above. The ceilings are in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

There are 12 steel tube animal pens which are in adequate condition. Wooden base cabinets with laminate countertop are in adequate condition as well.

Life Safety
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The structure has adequate means of egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility
 C:Compliant with ADA; A:Accessible; N:Not Accessible **94.64%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%

NA Level

Level

Double steel entry doors are accessible.

NA Level

NA Level

NA Level

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Exterior walls are clad in standing seam metal siding which has been painted and is supported on wooden wall framing. The siding is run horizontal instead of vertically and has been patched several times. The exterior walls remain adequate.

Level

NA

Level

Double, insulated, steel doors with lever hardware are in adequate condition.

Level

The gable roof is clad in a standing seam metal roofing system supported on wooden roof framing. The roof is in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Continuous reinforced concrete footers with CMU block walls to grade and a reinforced concrete slab on grade floor. They are in adequate condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure consists of wooden stud framed walls supporting engineered wooden roof trusses. The walls and ceilings are insulated and the exterior standing seam metal wall and roofing systems are attached to the wooden framing members. The structure is in adequate condition.

MEP**72.09%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

73.40%**Fixtures** Level 1 **3** 75.00%

Automatic watering systems in animal pens have not been used for several years. A dual stainless steel sink is adequate.

Water Piping Inside Building Level 1 **3** 75.00%

The domestic water system has PVC piping though out which is in adequate condition.

Sanitary Vent Piping Level 1 **3** 75.00%

The sanitary waste and vent system has PVC piping which drains to a sewage treatment plant at the southeast corner of the property.

Water Service Level 1 **3** 75.00%

1" water supply from the public utility is adequate.

Storm Piping Level 1 **2** 50.00%

The building lacks gutters and downspouts, these should be installed to prevent deterioration of the structure.

Hot Water Source Level 1 **3** 75.00%

A small, 5 gallon, electric hot water tank has not been used in several years. It remains adequate.

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Fuel Oil System** Level 1 **NA** NA

NA

Primary Heating Source Level 1 **3** 75.00%

Heating system has electric unit heaters which are in adequate condition.

Primary Cooling Source Level 1 **3** 75.00%

Four 1-1.5 window AC units are in adequate condition.

Air System Equipment Level 1 **3** 75.00%

Animal exhaust fans interconnected with OA Louvers.

Air System Distribution Level 1 **3** 75.00%

Three directional roof ventilators.

Hydronic Water Piping Level 1 **NA** NA

NA

Steam Piping Level 1 **NA** NA

NA

Building Controls Level 1 **3** 75.00%

Electric thermostats control heaters and AC units.

Laboratory Exhaust System Level 1 **NA** NA

NA

Laboratory Hoods/Controls Level 1 **NA** NA

NA

Computer Room AC Equipment Level 1 **NA** NA

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%

Fire Service Level 1 **2** 50.00%

The structure is lacking a fire extinguisher, one should be installed prior to the structure being used.

Standpipes Level 1 **NA** NA

NA

Sprinkler System Level 1 **NA** NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

73.08%**Service Entrance** Level 1 **3** 75.00%

The building has a 200 amp, 208/120 3 phase service from AEP.

Distribution Level 1 **3** 75.00%

The building has a 225 amp, 208/120 3 phase lighting and power distribution panel which has spare capacity and is in adequate condition.

Lighting Level 1 **3** 75.00%

Surface mounted T-8 fluorescent lighting and incandescent lighting through out. Incandescent lighting should be replaced with compact fluorescent bulbs.

Exit Signs Level 1 **2** 50.00%

The structure lacks exit signage, this should be installed for safety. Combination exit signs with emergency lights are recommended.

Fire Alarm System Level 1 **NA** NA

NA

Emergency Egress Lighting Level 1 **NA** NA

The structure lacks emergency egress lighting, this should be installed for safety. Combination exit signs with emergency lights are recommended.

Lighting Controls Level 1 **3** 75.00%

Wall mounted light switches and weather proof light switches.

Security Systems Level 1 **NA** NA

NA

Emergency Power Level 1 **NA** NA

NA

Phone/Data Systems Level 1 **NA** NA

NA

Quantity of Receptacles Level 1 **3**

Weather proof 20 amp wall receptacles with adequate coverage.

Conveying Systems
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Elevators and Lifts Level 1 **NA**

NA

0329: Vehicle Storage **63.43%**



<p>Address: 3667 Kays Avenue, Columbus</p> <p>Auditor: DMD & MAM</p> <p>Audit Date: 03/04/2015</p> <p>Arch/MEP: 40% / 60%</p>	<p>Area: 768</p> <p>Date Constructed: 1971</p> <p>Last Renovation: NA</p> <p>LEED: NA</p>	<p>Construction Type: Wood frame w / Metal skin</p> <p>Construction Type 2:</p> <p>Structural Span: Varies 24'0"</p> <p>Historic Significance: NA</p>
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Clear Floor Heights (1 Floor):

1 10'0"

The Vehicle Storage building is a pole barn structure which is open on it's east elevation. Consisting of 4"x6" post with 2"x10" and 2"x8" beams supporting engineered wooden trusses, there is a 2"x6" kneewall around the north, west, and south elevations to 5' above grade. The remaining portions of the structure are clad in standing seam metal and roofing systems supported of the wood framing and wooden girts and purlin. The low gable roof is lacking gutters and downspouts. The posts along the east open elevation are deteriorated and several repair attempts are now failing. These posts should be replaced and the new posts should be protected from potential vehicle damage. The interior is open and has an earthen floor which has some crushed limestone through out. The interior is illuminated by incandescent surface mounted lighting. The west elevation has painted particle boards installed above the kneewall which is damaged in several areas. While heavily worn, the barn is used for open storage and with minor repairs will remain function for some time.

This building was previously numbered 329 but was updated to 0329 per the University's revised numbering system. AS

Architectural **70.79%**

Interior Finishes
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Doors Level 1

NA

Stairways Level 1

NA

Walls Level 1 **3** 75.00%

The interior walls are the exposed underside of the exterior standing seam metal wall system supported on wooden framing and girts. There is a 2"x6", wooden, tongue and groove kneewall to 5' above grade. The western interior wall has particle boards installed on portions of it. The interior walls are weathered and worn but remain adequate for the use of the structure.

Floors Level 1 **3** 75.00%

The structure has an earthen floor with crushed limestone over it. The floor is adequate for the use of the structure.

Ceilings Level 1 **3** 75.00%

The ceilings are the exposed underside of the exterior, standing seam metal roofing system supported on wooden trusses and purlin. The ceilings are adequate for the use of the structure.

Fixed Furnishings Level 1 **NA** NA

NA

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The east elevation is completely open providing adequate egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **94.64%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%

NA Level

NA

Level

NA

Level

The eastern wall is completely open and accessible.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Exterior walls have wooden, 2"x6" tongue and groove kneewalls to 5' above grade, with standing seam metal siding above supported on wooden posts and girts. The wood is weathered and has mildew growing on it. The siding is in adequate condition.

Level

NA

Level

NA

Level

The roof has a standing seam metal roofing system supported by wooden roof trusses and purlin.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%

Level

Post hole footers which have been reinforced with cement. The posts along the east open end of the structure have rotted at their bases. New posts should be installed.

Level

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%Level

Pole barn structure consisting of 4"x6" posts, 2"x10" and 2"x8" beams supporting engineered wooden roof trusses. With a 2"x6" kneewall around the north, west, and south elevations to 5' above grade and exterior standing seam metal wall and roofing systems supported on wooden girts and purlin. The post along the open east elevation are rotten and damaged, with several repair attempts now failing. These posts should be replaced with new footers and protection from vehicle damage.

MEP

58.52%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%

Fixtures Level 1

NA

Water Piping Inside Building Level 1

NA

Sanitary Vent Piping Level 1

NA

Water Service Level 1

NA

Storm Piping Level 1

The structure lacks gutters and downspouts, these should be installed to prevent further deterioration of the structure.

Hot Water Source Level 1

NA

Natural Gas Piping Level 1

NA

Laboratory Piping Level 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1

NA

Primary Heating Source Level 1

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%

Fire Service	Level 1	<input type="text" value="2"/>	<input type="text" value="50.00%"/>
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The structure is lacking a portable fire extinguisher, one should be installed for safety.

Standpipes	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
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NA

Sprinkler System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
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NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

65.63%**Service Entrance**Level 1 **3** 75.00%

The structure has a 20 amp sub feed from the Swine Isolation Barn. It is in adequate condition.

DistributionLevel 1 **NA** NA

NA

LightingLevel 1 **2** 50.00%

Surface mounted incandescent lighting that should be replaced with compact fluorescent bulbs.

Exit SignsLevel 1 **NA** NA

NA

Fire Alarm SystemLevel 1 **NA** NA

NA

Emergency Egress LightingLevel 1 **NA** NA

NA

Lighting ControlsLevel 1 **3** 75.00%

Wall mounted light switch.

Security SystemsLevel 1 **NA** NA

NA

Emergency PowerLevel 1 **NA** NA

NA

Phone/Data SystemsLevel 1 **NA** NA

NA

Quantity of ReceptaclesLevel 1 **3** 75.00%

20 amp wall receptacle.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

0330: Beef Barn Shop**82.49%**

Address:
2400 West Case
Road, Columbus

Area:
2750

Construction Type:
Wood frame w / Metal skin

Auditor:
DMD & MAM

**Date
Constructed:**
2004

Construction Type 2:

Audit Date:
03/02/2015

Last Renovation:
NA

Structural Span:
Varies 24'0"

Arch/MEP:
40% / 60%

LEED:
NA

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 12'0"

The Beef Barn Shop is a long, rectangular, wood framed structure with a low gable roof. The structure consists of 2"x6" framing supporting engineered wooden trusses. The exterior walls are fully sheathed and clad in a red, standing seam metal wall system which is in good condition. The roof of the structure has a grey, standing seam metal roofing system supported on wooden purlin. The building is divided into two sections. Room 100 has been insulated and painted plywood has been installed on the perimeter and partition walls. This room's ceilings have also been insulated and white standing seam metal has been installed against the roof trusses. This room is conditioned by two small electric unit heaters. The open bay of the building has an exposed interior. A reinforced concrete slab covers two thirds of the building, with the remaining area being covered with crushed limestone. A 3/4" water supply provides domestic water to the building, there is no water heater, and two frost proof hydrants on the south side of the structure. Three insulated overhead garage doors provide access on the west elevation. A single steel entry door provides egress from the building. The structure is used to store vehicles and as a small shop. It is well maintained and in very good condition.

This building was previously numbered 0330 but was updated to 0330 per the University's revised numbering system. AS

Architectural**85.69%****Interior Finishes**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Doors**

Level 1 **3** 75.00%

Double, insulated, metal door with metal frame and lever hardware is in good condition.

Stairways

Level 1 **NA** NA

NA

Walls Level 1 3 75.00%

The interior walls of the shop area, room 100, are painted plywood with insulation. These are in adequate condition. The walls of the open bay portion of the building, room 101, are the exposed underside of the exterior sheathing and 2"x6" wall framing. These are also in adequate condition.

Floors Level 1 3 75.00%

The floor of room 100 and half of room 101 are reinforced concrete slabs which are in good condition. A portion of the slab has been cut out to repair the water service to the structure, this should be repaired. The remaining areas of room 101 are compacted limestone which is in adequate condition.

Ceilings Level 1 3 75.00%

Room 100 has standing seam metal installed against the roof trusses with insulation above. These are in good condition. The open bay has exposed ceilings which are also in good condition.

Fixed Furnishings Level 1 NA NA

NA

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **100.00%**

Means of Egress Level 1 4 100.00%

Multiple means of egress which meet current life safety codes.

Roof Fall Protection Level 1 NA NA

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **100.00%**

Signage Level 1 NA NA

NA

Restrooms Men Level 1 NA NA

NA

Restrooms Women Level 1 NA NA

NA

Vertical Access Level 1 NA NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%Level

NA

Level

Single steel entry door with lever hardware is ADA compliant.

Level

NA

Level

Three insulated, overhead garage doors. One has an opener, the other two are manually operated. These doors are accessible but not ADA compliant.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

91.25%Level

The exterior walls are clad in a standing seam metal wall system over fully sheathed walls. The siding is in good condition.

Level

Sliding, double pane, vinyl clad window is in adequate condition.

Level

Single steel entry door with half lite and lever hardware is in adequate condition. Three overhead, insulated, garage doors are in good condition.

Level

The roof is clad in a standing seam metal roofing system supported on the wooden roof trusses and purlin. The roof is in very good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure has continuous, reinforced concrete footers with CMU block foundation walls to grade. The footers and foundation are in good condition. A reinforced concrete slab is under room 100 and 1/2 of room 101 is in good condition. A portion of the slab has been cut out in room 100 to repair the water service to the structure. This should be repaired.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%

Level

The structure consists of 2"x6" framing supporting engineered wooden trusses. The walls and ceiling of room 100 have been insulated and plywood has been installed over the walls and standing seam metal over the ceilings. The structure has been bolted to the foundation walls. It is sound and in good condition.

MEP

80.36%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fixtures Level 1 **3** 75.00%

A pvc laundry sink is located in room 100. It is heavily stained but remains adequate. Two frost proof hydrants are located on the south exterior of the building.

Water Piping Inside Building Level 1 **3** 75.00%

The water system has pvc piping for cold water only.

Sanitary Vent Piping Level 1 **3** 75.00%

The sanitary waste and vent system has pvc piping.

Water Service Level 1 **3** 75.00%

The structure has a 3/4" pvc water supply from the public utility. The service was recently repaired and the slab should be repaired where cut out.

Storm Piping Level 1 **3** 75.00%

Aluminum gutters and downspouts deposit storm water onto the ground at the building. These should be diverted away from the structure to prevent erosion.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fuel Oil System Level 1 **NA** NA

NA

Primary Heating Source Level 1 **3** 75.00%

Heating system has two 5 KW electric unit heaters located in room 100, which are in good condition.

Primary Cooling Source Level 1

NA

Air System Equipment Level 1

NA

Air System Distribution Level 1

NA

Hydronic Water Piping Level 1

NA

Steam Piping Level 1

NA

Building Controls Level 1

Unit heaters have an electric thermostat which is adequate.

Laboratory Exhaust System Level 1

NA

Laboratory Hoods/Controls Level 1

NA

Computer Room AC Equipment Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fire Service Level 1

Wall mounted portable fire extinguishers are located in both rooms of the building.

Standpipes Level 1

NA

Sprinkler SystemLevel 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

91.07%**Service Entrance**Level 1 4 100.00%

The building has a 200 amp, 240/120 single phase service from AEP which is in good condition.

DistributionLevel 1 4 100.00%

There is a 200 amp, 240/120 single phase lighting and power distribution panel which is in good condition.

LightingLevel 1 3 75.00%

Surface mounted and hung T-8 fluorescent fixtures with wire mesh covers are located inside the building with HID exterior lighting.

Exit SignsLevel 1 4 100.00%

Combination exit signs with emergency egress lights and battery back ups are in very good condition.

Fire Alarm SystemLevel 1 NA NA

NA

Emergency Egress LightingLevel 1 4 100.00%

Combination exit signs with emergency egress lights and battery back ups are in very good condition.

Lighting ControlsLevel 1 3 75.00%

Wall mounted light switches are adequate.

Security SystemsLevel 1 NA NA

NA

Emergency PowerLevel 1 NA NA

NA

Phone/Data SystemsLevel 1 NA NA

NA

Quantity of ReceptaclesLevel 1 3 75.00%

12/20/2017

0330: Beef Barn Shop

20 amp GFCI wall receptacles provide adequate coverage.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

0333: Range Shelter 1 - OSU Equine Program

72.97%



Address:
3660 Kays
Avenue,
Columbus

Area:
2688

Construction Type:
Wood frame w / Metal skin

Auditor:
DMD & MAM

**Date
Constructed:**
1972

Construction Type 2:

Audit Date:
08/20/2014

Last Renovation:
2015

Structural Span:
Varies 32'0", 8'0"

Arch/MEP:
40% / 60%

LEED:
NA

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 10'0"

The Department of Animal Sciences offers students hands-on experience with horses through courses, internships, research, and part-time student employment. The Equine Facility at The Ohio State University is operated by faculty and staff of the Department of Animal Sciences. The facility houses thirty to forty Quarter Horses. The facility features a heated indoor arena, a hot/cold wash rack, 28 box stalls, two large foaling stalls equipped with cameras, two large stallion stalls, breeding lab, and classroom with seating for fifty students. There is also a large outdoor arena and several paddocks with turn-out shelters.

The Range Shelter is a simple one story, gable roof structure. A 32'x36' unconditioned, addition along the south side of the shelter house was completed in early 2015. It is a wooden post and beam structure clad in vertical, standing seam metal siding. Some areas of siding have been dented and scooped along the base. The interior has exposed walls, an asphalt floor with saw dust covering, and an exposed ceiling. The building has limited electrical and plumbing infrastructure. The shelter house is partially enclosed by an electric fence that remains operational; however, there are no warning signs. Warning signs should be installed for safety. There is no tele-data infrastructure, mechanical systems, or bathroom. The shelter house remains in adequate condition. The facility assessment team was escorted by and interviewed Mr. Dan Rhodeback, Barn Manager with Department of Animal Sciences while conducting their field work.

This building was previously numbered 333 but was updated to 0333 per the University's revised numbering system. AS

Architectural

75.79%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors

Level 1

NA

Stairways

Level 1

NA

Walls

Level 1

The interior walls are mostly exposed perimeter walls. The lower half has unpainted plywood boards fasten horizontally to the 6"x6" wooden posts to protect the walls and standing seam siding.

Floors

Level 1

The floors of the run-in are asphalt with saw dust over them. The floors are in adequate condition.

Ceilings

Level 1

The ceiling is open and exposed. There is no bird netting to keep nest from forming in the trusses. The ceiling remains adequate and functional.

Fixed Furnishings

Level 1

NA

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Means of Egress

Level 1

The shelter met all life safety and building codes when it was designed and built. There are two exits on the east wall which lead directly to the outside and discharge at grade.

Roof Fall Protection

Level 1

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

94.64%

Signage

Level 1

NA

Restrooms Men

Level 1

NA

Restrooms Women

Level 1

NA

Vertical Access

Level 1

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%

Level

NA

Level

NA

Level

The east wall has two openings which are at grade. There are no doors. The approach to the shelter is across rough but compacted dirt. The east approach is accessible but not ADA compliant.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The exterior walls consist of painted, standing seam metal wall system fasten to wood posts and girts. The metal panels are dented and scooped along the base. Some refinishing and repair work was completed in 2012. Panel connections appear to be tight. Only minor surface corrosion has started to occur in a few isolated spots. The exterior walls remain adequate and functional.

Level

NA

Level

NA

Level

The shelter has a simple and continuous gable roof. It is clad in an older standing seam metal roofing system with flashing and trim. Some minor

leaks occur during heavy rain. Roof remain adequate and functional

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure has post hole footers with concrete reinforcement. The footers are in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The shelter has post and beam construction with 6"x6" and 4"x6" wooden load bearing posts with double 2"x10 and 2"x12" beams supporting engineered wooden roof trusses with gusset plate connections. The exterior standing seam metal wall and roofing systems are supported on 2"x4" girts and purlin. The structure remains sound and in adequate condition.

MEP**71.09%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Fixtures** Level 1 **3** 75.00%

The shelter has one frost proof hydrant and heated automatic waterer. The plumbing fixtures are older units but they remain adequate and functional.

Water Piping Inside Building Level 1 **3** 75.00%

The shelter has pvc water piping run from the frost proof hydrant to the automatic waterer. The pipw remains adequate.

Sanitary Vent Piping Level 1 **NA** NA

NA

Water Service Level 1 **3** 75.00%

A 3/4" water supply line feeds the three range shelter sheds from street. The shelters have one frost proof hydrant located outside the building on the east side area.

Storm Piping Level 1 **3** 75.00%

The shelter has aluminum gutters and downspouts which drain into splashes against the structure. The base of the downspouts have been dented but they remain adequate and functional.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA**Fuel Oil System** Level 1 **NA** NA

NA

Primary Heating Source Level 1 **NA** NA

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service

Level 1

NA

Standpipes

Level 1

NA

Sprinkler SystemLevel 1 **NA** NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

68.75%**Service Entrance**Level 1 **3** 75.00%

The electrical service entrance originates from a utility pole located to the northeast of the shelter. Power feed comes to the building via an overhead line. The power feed line goes to one 100 Amp 208/120/3 phase panels. The electrical service entrance remains adequate and functional.

DistributionLevel 1 **3** 75.00%

The shelter has a 30 Amp 208/120/3 phase lighting and power distribution panel. The panel has started to rust. Wiring runs in rigid conduit that is surface mounted. There is an electric fence which runs from the north half of the east wall, around the north exercise area, and portions of the south wall. The electric fence remains in operation. There are no warning signs; some should be installed to help improve safety. The electrical distribution remains adequate and functional.

LightingLevel 1 **3** 75.00%

The shelter has six, single bulb, light fixtures, with compact fluorescents, mounted to the trusses with no protective covers. There is one pole mounted HID fixture located in the front northeast corner.

Exit SignsLevel 1 **2** 50.00%

The shelter lacks exit signs. A combination exit signs with emergency egress lights should be installed for safety.

Fire Alarm SystemLevel 1 **2** 50.00%

The shelter lacks a fire alarm system. A fire alarm system should be installed due to the building's location and to improve safety.

Emergency Egress LightingLevel 1 **2** 50.00%

The shelter lacks emergency egress lighting. A combination exit signs with emergency egress lights should be installed for safety.

Lighting ControlsLevel 1 **3** 75.00%

The building has a wall mounted light switch. The light controls are original but they remain adequate and functional.

Security SystemsLevel 1 **NA** NA

NA

Emergency PowerLevel 1 **NA** NA

NA

Phone/Data Systems

Level 1

NA

Quantity of Receptacles

Level 1

The shelter has it's original 20 amp wall receptacles with cover. The box has started to rusted. The receptacle remains adequate and functional.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

0334: Range Shelter 2 - OSU Equine Program

71.97%



Address:
3660 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
1536

**Date
Constructed:**
1972

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 32'0", 8'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 10'0"

The Department of Animal Sciences offers students hands-on experiences with horses through courses, internships, research, and part-time student employment. The Equine Facility at The Ohio State University is operated by faculty and staff of the Department of Animal Sciences. The facility houses Quarter Horses and has sixteen (16) box stalls for boarding.

The Range Shelter is a single story, gable roofed structure situated north to south. The structure consists of wooden post and beam construction supporting engineered wooden trusses. It is clad in standing seam metal siding and roofing systems supported on wooden girts and purlin. The interior has exposed walls with unpainted plywood installed to 4' above grade. A center dividing wall has been added with 4"x4" posts supporting wooden tongue and groove, and plywood walls. At the west side of this dividing wall a plexi-glass window has been installed. The interior has exposed ceilings and an asphalt floor covered with saw dust. The shelter is enclosed by an electric fence, however there are no warning signs for the fence. The structure has no mechanicals, restrooms or tele-data infrastructure. The center dividing wall is very worn and has many areas of wood which have been chewed on by the animals. The shelter remains sound and in adequate condition. The facility assessment team was escorted by an interviewed Mr. Dan Rhodeback, Barn Manager with the Department of Animal Sciences, while conducting their field work.

This building was previously numbered 334 but was updated to 0334 per the University's revised numbering system. AS

Architectural

73.29%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

67.86%

Doors

Level 1

NA

Stairways

Level 1 NA NA

NA

Walls

Level 1 2 50.00%

The interior walls are mostly exposed with the lower portions covered to 4' with plywood. A center divider wall has been added. It has 2"x6" wooden tongue and groove to 3' above grade and a section covered with plywood which has a plexi-glass viewing window. The interior walls are very worn and chewed on, they remain adequate.

Floors

Level 1 3 75.00%

The shelter has asphalt floors with saw dust installed over them. They are very worn but remain adequate.

Ceilings

Level 1 3 75.00%

The shelter has an exposed ceiling which remains adequate.

Fixed Furnishings

Level 1 NA NA

NA

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Means of Egress

Level 1 3 75.00%

The shelter has two openings along the east side which met life safety codes when built and remain adequate.

Roof Fall Protection

Level 1 NA NA

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

94.64%

Signage

Level 1 NA NA

NA

Restrooms Men

Level 1 NA NA

NA

Restrooms Women

Level 1 NA NA

NA

Vertical Access

Level 1

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%

Level

NA

Level

NA

Level

There are two openings along the east elevation at grade. These are accessible but not ADA compliant.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Exterior walls are clad in vertical, standing seam metal siding supported on wooden girts. The siding has been painted red and is in adequate condition.

Level

NA

Level

NA

Level

The gable roof of the structure is a standing seam metal roofing system supported on wooden purlin. The roof appears sound.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure has post hole footers which have been reinforced with concrete. The footers are in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The shelter is post and beam construction with 6"x6" and 4"x6" posts with double 2"x12" and 2"x10" beams supporting engineered wooden trusses. A 2"x6" tongue and groove wooden knee wall, supported on 4"x4" posts, runs across the center of the building, west to east. The shelter is in adequate condition.

MEP

71.09%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fixtures Level 1 **3** 75.00%

The shelter has one frost proof hydrant and a heated automatic waterer. The plumbing fixtures are older but they remain adequate.

Water Piping Inside Building Level 1 **3** 75.00%

The animal water system is installed underground to the frost proof hydrants and heater water troughs with pvc piping. They are in adequate condition.

Sanitary Vent Piping Level 1 **NA** NA

NA

Water Service Level 1 **3** 75.00%

A 3/4" water line feeds the three range shelters from street. The shelters have one frost proof hydrant located outside the building on the east side area.

Storm Piping Level 1 **3** 75.00%

Aluminum gutters and downspouts drain into splashes against the structure. They remain in adequate condition.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1 **NA** NA

NA

Primary Heating Source Level 1 **NA** NA

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service

Level 1

NA

Standpipes

Level 1

NA

Sprinkler SystemLevel 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

68.75%**Service Entrance**Level 1 3 75.00%

The electrical service originates from a utility pole located to the northeast of the shelter. The power feed goes to one 100 amp 208/120/3 phase panel. The electrical service remains adequate.

DistributionLevel 1 3 75.00%

The shelter has a 30 amp 208/120/3 phase lighting and power distribution panel. The panel has begun to rust. There is an electrical fence around the shelter, however there are no warning signs for this. The distribution system remains adequate.

LightingLevel 1 3 75.00%

The shelter has single bulb light fixtures, with compact fluorescents, mounted to the trusses with no protective covers. There is a pole mounted HID fixture located on the northeast corner of the building. The lighting is adequate.

Exit SignsLevel 1 2 50.00%

The shelter lacks exit signs. A combination exit sign with emergency egress lights should be installed for safety.

Fire Alarm SystemLevel 1 2 50.00%

The shelter lacks a fire alarm system. One should be installed for safety.

Emergency Egress LightingLevel 1 2 50.00%

The shelter lacks emergency egress lighting. A combination exit sign with emergency egress lights should be installed for safety.

Lighting ControlsLevel 1 3 75.00%

The building has wall mounted light switches. They are the original controls and remain adequate.

Security SystemsLevel 1 NA NA

NA

Emergency PowerLevel 1 NA NA

NA

Phone/Data SystemsLevel 1 NA NA

NA

Quantity of Receptacles

Level 1 **3** 75.00%

The shelter has it's original, 20 amp wall receptacle which remains in adequate condition.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1 **NA** NA

NA

0335: Range Shelter 3 - OSU Equine Program

72.97%



Address:
3660 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
1536

**Date
Constructed:**
1972

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 32'0", 8'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 10'0"

The Department of Animal Sciences offers students hands-on experiences with horses through courses, internships, research, and part-time student employment. The Equine Facility at The Ohio State University is operated by faculty and staff of the Department of Animal Sciences. The facility houses Quarter Horses and has sixteen (16) box stalled for boarding.

The Range Shelter is a single story, gable roofed structure situated north to south. The structure consists of wooden post and beam construction supporting engineered trusses. It is clad in standing seam metal siding and roofing systems supported on wooden girts and purlin. The interior has exposed walls with unpainted plywood installed to 4' above grade. A center dividing wall has been added with 4"x4" posts supporting wooden tongue and groove 2"x6"s. The wall has been repaired in several places where it was damaged by animals chewing. The interior has exposed ceilings and an asphalt floor which has been covered with saw dust. The shelter is enclosed by an electric fence, however, there are no warning signs for the fence. The structure has no mechanicals, restrooms or tele-data infrastructure. The shelter is quite worn, several posts have had to be repaired due to rot at the base, however it remains adequate. The facility assessment team was escorted by and interviewed Mr. Dan Rhodeback, Barn Manager with Department of Animal Sciences, while conducting their field work.

This building was previously numbered 335 but was updated to 0335 per the University's revised numbering system. AS

Architectural

75.79%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors

Level 1

NA

Stairways

Level 1

NA

Walls

Level 1

The interior walls are mostly exposed with the lower portions covered to 4' with plywood. A center divider wall has been added. It has 2"x6" wooden tongue and groove to 3' above grade and 2"x6" boards spaced above it. The interior walls are very worn and chewed on, they remain adequate.

Floors

Level 1

The shelter has asphalt floors which are covered with saw dust. The floors are worn but remain adequate.

Ceilings

Level 1

The shelter has exposed ceilings which are in adequate condition.

Fixed Furnishings

Level 1

NA

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Means of Egress

Level 1

The shelter has two openings along the east side which met life safety codes when built and remain adequate.

Roof Fall Protection

Level 1

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

94.64%

Signage

Level 1

NA

Restrooms Men

Level 1

NA

Restrooms Women

Level 1

NA

Vertical Access

Level 1

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%

Level

NA

Level

NA

Level

There are two openings along the east elevation at grade. These are accessible but not ADA compliant.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Exterior walls are clad in vertical, standing seam metal siding supported on wooden girts. The siding has been painted red and is in adequate condition.

Level

NA

Level

NA

Level

The gable roof of the structure is a standing seam metal roofing system supported on wooden purlin. The roof appears sound.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure has post hole footers which have been reinforced with concrete. The footers are in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The shelter is post and beam construction with 6"x6" and 4"x6" posts with double 2"x12" and 2"x10" beams supporting engineered wooden trusses. A 2"x6" tongue and groove wooden knee wall, supported on 4"x4" posts, runs across the center of the building, west to east. The shelter is in adequate condition.

MEP**71.09%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Fixtures** Level 1 **3** 75.00%

The shelter has one frost proof hydrant and a heated automatic waterer. The plumbing fixtures are older but they remain adequate.

Water Piping Inside Building Level 1 **3** 75.00%

The animal water system is installed underground to the frost proof hydrants and heater water troughs with pvc piping. They are in adequate condition.

Sanitary Vent Piping Level 1 **NA** NA

NA

Water Service Level 1 **3** 75.00%

A 3/4" water line feeds the three range shelters from street. The shelters have one frost proof hydrant located outside the building on the east side area.

Storm Piping Level 1 **3** 75.00%

Aluminum gutters and downspouts drain into splashes against the structure. They remain in adequate condition.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA**Fuel Oil System** Level 1 **NA** NA

NA

Primary Heating Source Level 1 **NA** NA

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service

Level 1

NA

Standpipes

Level 1

NA

Sprinkler SystemLevel 1

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

68.75%**Service Entrance**Level 1

The electrical service originates from a utility pole located to the northeast of the shelter. The power feed goes to one 100 amp 208/120/3 phase panel. The electrical service remains adequate.

DistributionLevel 1

The shelter has a 30 amp 208/120/3 phase lighting and power distribution panel. The panel has begun to rust. There is an electrical fence around the shelter, however there are no warning signs for this. The distribution system remains adequate.

LightingLevel 1

The shelter has single bulb light fixtures, with compact fluorescents, mounted to the trusses with no protective covers. There is a pole mounted HID fixture located on the northeast corner of the building. The lighting is adequate.

Exit SignsLevel 1

The shelter lacks exit signs. A combination exit sign with emergency egress lights should be installed for safety.

Fire Alarm SystemLevel 1

The shelter lacks a fire alarm system. One should be installed for safety.

Emergency Egress LightingLevel 1

The shelter lacks emergency egress lighting. A combination exit sign with emergency egress lights should be installed for safety.

Lighting ControlsLevel 1

The building has wall mounted light switches. They are the original controls and remain adequate.

Security SystemsLevel 1

NA

Emergency PowerLevel 1

NA

Phone/Data SystemsLevel 1

NA

Quantity of Receptacles

Level 1 **3** 75.00%

The shelter has it's original, 20 amp wall receptacle which remains in adequate condition.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1 **NA** NA

NA

0361: Research Barn **76.65%**



Address:
3620 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
6720

**Date
Constructed:**
1972

Last Renovation:
2004

LEED:
NA

Construction Type:
Steel frame w / Metal skin

Construction Type 2:
Wood frame w / Metal skin

Structural Span:
Varies 40'0", 24'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 14'0"

The Research Barn is a long, rectangular barn with a gable roof and a feed bunk with awning along the west elevation. This barn is an engineered steel building with combination posts/columns and roof trusses. The north and south elevations were repaired with reinforced, poured concrete walls to 4' above grade and a reinforced concrete feed bunk with retaining wall was added to the west elevation. The structure utilizes these as foundation walls. Exteriors are clad in red, standing seam metal siding supported on steel girts. The roof over the barn has a grey, standing seam metal roofing system supported on steel purlin. An awning was added over the feed bunk. It has 2"x4" and 2"x6" wooden framing and a red standing seam metal roofing system supported on wooden purlin. This structure is used to feed and water large animals. The east elevation is open to the yard with feed stations and automatic watering systems. The barn is divided into sections using steel tube animal pen sections. The barn has limited electric but no other mechanicals. It is designed to feed and water large farm animals. While heavily used and worn, the structure is sound and in good condition.

This building was previously numbered 360 but was updated to 0360 per the University's revised numbering system. AS

Architectural **86.65%**

Interior Finishes **75.00%**
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

Doors Level 1 NA NA

NA

Stairways Level 1 NA NA

NA

Walls Level 1 **3** 75.00%

The interior walls are the exposed underside of the exterior standing seam metal wall systems supported on steel girts. The structure also has a poured concrete kneewall to 4' above grade on the north and south elevations with a poured feed bunk along the length of the west elevation. The walls are in adequate condition. Steel tube animal pen sections divide portions of the barn.

Floors Level 1 **3** 75.00%

The barn has an earthen floor which is covered in straw for the animals. It is adequate for the use of the structure.

Ceilings Level 1 **3** 75.00%

The ceilings of the barn are the exposed underside of the standing seam metal roofing system supported on steel purlins. The ceilings are in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

Concrete feed bunk along entire west elevation of structure and bulk feed stations in east yard. These are in adequate condition.

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The east elevation is open, however, the structure is used to feed large animals and not intended for human occupancy, the animals are fenced in. There is adequate egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **85.00%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

0.00%

NA Level

NA Level

NA Level

The east elevation is completely open, however, there is no accessible route to the structure through the animal forge areas.

NA Level

NA Level

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%

Level

Exterior walls are clad in a red, standing seam metal wall system supported on steel girts with a poured, reinforced concrete kneewall along the north and south elevations and a poured, reinforced concrete feed bunk along the west elevation. The exterior walls are in very good condition.

NA Level

NA Level

Level

The barn has a grey standing seam metal roofing system supported on steel purlin and the feed bunk has a red standing seam metal roofing system supported on wooden purlin. The roofs are in very good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%

Level

The north and south walls have continuous reinforced concrete footers with poured, reinforced concrete walls to 4' above grade. These are in very good condition. The post/columns along the east elevation have concrete piers which continue to 4' above grade. The west elevation has a reinforced concrete feed bunk with continuous reinforced concrete footers and retaining wall along the entire length. These are all in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

An engineered steel structure with combination steel posts/columns and roof trusses supporting exterior standing seam metal wall and roofing systems with steel girts and purlin. The awning over the feed bunk along the west elevation has wooden 2"x4" and 2"x6" framing supporting the standing seam metal roofing system with wooden girts. These are sound and in good condition.

MEP**69.98%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

72.84%**Fixtures** Level 1 **3** 75.00%

Heated, automatic animal waterers are located on the east side of the building and are in adequate condition

Water Piping Inside Building Level 1 **3** 75.00%

The animal water system is installed underground to heated animal watering stations.

Sanitary Vent Piping Level 1 **NA** NA

NA

Water Service Level 1 **3** 75.00%

The barn has a 1" water supply from the public utility.

Storm Piping Level 1 **2** 50.00%

The structure lacks gutters and downspouts, these should be considered for installation when feasible.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA**Fuel Oil System** Level 1 **NA** NA

NA

Primary Heating Source Level 1 **NA** NA

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **50.00%**

Fire Service Level 1
 The structure lacks a portable fire extinguisher, one should be installed for safety.

Standpipes Level 1
 NA

Sprinkler System Level 1

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

72.92%**Service Entrance** Level 1 **3** 75.00%

The barn has a 100 amp, 208/120 single phase service from AEP.

Distribution Level 1 **3** 75.00%

The barn has a 100 amp, 208/120 single phase lighting and power distribution panel located on the south interior of the structure. It has rusted and the cover is bent and will not shut. It remains functional but should be repaired.

Lighting Level 1 **3** 75.00%

Surface mounted incandescent lighting that should be replaced with compact fluorescent bulbs when feasible. They remain adequate.

Exit Signs Level 1 **NA** NA

NA

Fire Alarm System Level 1 **NA** NA

NA

Emergency Egress Lighting Level 1 **NA** NA

NA

Lighting Controls Level 1 **2** 50.00%

Wall mounted light switches next to electric panel is damaged and should be replaced.

Security Systems Level 1 **NA** NA

NA

Emergency Power Level 1 **NA** NA

NA

Phone/Data Systems Level 1 **NA** NA

NA

Quantity of Receptacles Level 1 **3** 75.00%

One 20 amp wall receptacle next to the panel is in adequate condition.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

0982: Sheep Annex

67.14%



Address: 2400 West Case Road, Columbus	Area: 6200	Construction Type: Steel frame w / Metal skin
Auditor: DMD & MDM	Date Constructed: 1976	Construction Type 2:
Audit Date: 03/02/2015	Last Renovation: NA	Structural Span: Varies 60'0"
Arch/MEP: 40% / 60%	LEED: NA	Historic Significance:

Clear Floor Heights (1 Floor):

1 14'0"

The Sheep Annex is an engineered steel building with a gable roof. The structure consists of combination steel columns and open span roof trusses. The exterior has standing seam metal wall and roofing systems supported on steel girts and purlin. The south elevation has face brick installed, around portions of the west and east elevation as well, to 3' above grade. The siding, and face brick, are damaged in many areas. The west elevation has a steel entry door, overhead garage door, fixed pane windows, and several hinged steel openings. The hinged steel members are rusted and no longer function as designed. The south elevation has an aluminum and full glass entry door and fixed pane windows. This entrance is blocked on the interior with storage. The east elevation has two openings through the walls which are now blocked on the interior and exterior. The north elevation provides the main access to the structure with a steel entry door and overhead garage door. The interior has standing seam metal installed with spray on insulation covering all surfaces. This insulation is falling down and missing in areas. A CMU block room has been constructed in the northwest corner which is being used as office space. A small electric unit heater conditions the space. The structure is used for storage and is sound and in good condition.

This building was previously numbered 982 but was updated to 0982 per the University's revised numbering system. AS

Architectural

69.97%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

71.88%

Doors Level 1 2 50.00%

Hollow metal doors in metal frames, one with half lite, are in poor to fair condition. The door and frame are heavily rusted and should be repainted and adjusted so it operates easily.

Stairways Level 1 NA NA

NA

Walls Level 1 **3** 75.00%

The interior perimeter walls of the structure are standing seam metal which has been installed over steel girts and has been sprayed with insulation. These walls are worn but remain adequate. A CMU block room has been constructed in the northwest corner of the building. The CMU has been painted and wooden paneling has been installed to 4' on the interior of the room. These walls are in adequate condition.

Floors Level 1 **3** 75.00%

The building has exposed, reinforced concrete floors which are heavily stained but remain adequate for the use of the structure.

Ceilings Level 1 **3** 75.00%

The ceilings in the open bay are the exposed metal roof framing and the underside of the standing seam metal roofing system which has been sprayed with insulation. Several areas are missing insulation. The small CMU block office has commercial drop ceilings with 2'x4' tiles and insulation above. This ceiling is in adequate condition.

Fixed Furnishings Level 1 **NA** NA

NA

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The building has adequate means of egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible **75.00%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical AccessLevel 1

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%Level

Single steel entry door with cylinder hardware is accessible but not ADA compliant. Overhead garage door with automatic opener is accessible but not ADA compliant.

Level

Single aluminum and full glass door with pull hardware is accessible but not ADA compliant.

Level

NA

Level

Single steel entry door with lever hardware is accessible but not ADA compliant. Overhead garage door with automatic opener is accessible but not ADA compliant.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

63.75%Level

Exterior walls are clad in standing seam metal siding which is supported on the steel framing and girts. This siding has begun to rust and is damaged in many areas. The south elevation of the building, including approx. 20 lineal feet on the west and east elevations, has face brick to approx. 3' above grade. Several areas have cracked.

Level

Aluminum sliding and fixed, single pane windows are original and in poor condition. Hinged wall panels on west elevation are damaged and rusted. The windows and panels should be considered for replacement.

Level

Single, aluminum and full glass door is in adequate condition, the pull hardware on the exterior needs adjusted. Two single steel entry doors, one with cylinder hardware and one with lever, are in adequate condition. Two overhead, garage doors, with insulation, are in adequate condition as well.

Level

Roof is clad in a standing seam metal roofing system supported on steel roof framing and purlin. The roof is in good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

Continuous reinforced concrete footers with piers at columns and a reinforced concrete, slab on grade floor. These are in adequate condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure is an engineered steel building with combination columns and open span roof trusses. Exterior standing seam metal wall and roof systems are supported on steel girts and purling. The structure is sound and in good condition.

MEP**65.25%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%**Fixtures**Level 1

NA

Water Piping Inside BuildingLevel 1

The domestic water system is installed underground to a frost proof yard hydrant in the building.

Sanitary Vent PipingLevel 1

NA

Water ServiceLevel 1

1" water supply from the public utility is in adequate condition.

Storm PipingLevel 1

Aluminum gutters and downspouts drain to clay boots then underground to vitrified pipe and away from the building.

Hot Water SourceLevel 1

NA

Natural Gas PipingLevel 1

NA

Laboratory PipingLevel 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

56.06%**Fuel Oil System**Level 1

NA

Primary Heating SourceLevel 1

Heating system has a newer electric unit heater with thermostat in the office.

Primary Cooling Source Level 1 NA NA
 NA

Air System Equipment Level 1 2 50.00%
 Area exhaust fans interconnected with outside air louvers. The fan is nearing the end of its useful lifecycle and should be considered for replacement.

Air System Distribution Level 1 NA NA
 NA

Hydronic Water Piping Level 1 NA NA
 NA

Steam Piping Level 1 NA NA
 NA

Building Controls Level 1 2 50.00%
 Electric thermostats control exhaust fan. The fan and controls are nearing the end of their useful lifecycle and should be considered for replacement.

Laboratory Exhaust System Level 1 NA NA
 NA

Laboratory Hoods/Controls Level 1 NA NA
 NA

Computer Room AC Equipment Level 1 NA NA
 NA

Fire Protection
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Fire Service Level 1 3 75.00%
 Wall mounted, portable fire extinguishers are located at the main entry and are in adequate condition.

Standpipes Level 1 NA NA
 NA

Sprinkler System Level 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

67.86%**Service Entrance**Level 1 **3** 75.00%

100 amp, 208/120 single phase service from AEP is in adequate condition.

DistributionLevel 1 **3** 75.00%

100 amp, 208/120 single phase, lighting and power distribution panel is in adequate condition.

LightingLevel 1 **2** 50.00%

Surface mounted and hung T-8 and T-12 fluorescent fixtures, compact fluorescent, and HID wall packs. The exterior lighting is in poor condition and should be replaced. T-12 fluorescents should be upgraded to T-8's when feasible.

Exit SignsLevel 1 **2** 50.00%

The building lacks exit signs, these should be installed for safety. Combination exit signs with emergency egress lights are recommended.

Fire Alarm SystemLevel 1 **NA** NA

NA

Emergency Egress LightingLevel 1 **NA** NA

The building lacks emergency egress lighting, this should be installed for safety. Combination exit signs with emergency egress lights are recommended.

Lighting ControlsLevel 1 **3** 75.00%

Wall mounted light switches are in adequate condition.

Security SystemsLevel 1 **NA** NA

NA

Emergency PowerLevel 1 **NA** NA

NA

Phone/Data SystemsLevel 1 **3** 75.00%

Adequate telephone coverage.

Quantity of ReceptaclesLevel 1 **3** 75.00%

12/20/2017

0982: Sheep Annex

20 amp wall receptacles are adequate.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1120: Working Chute 2

80.66%



Address: Godown Road, Columbus	Area: 288	Construction Type: Wood frame w / Wood skin
Auditor: DMD & MAM	Date Constructed: 2010	Construction Type 2:
Audit Date: 03/04/2015	Last Renovation: NA	Structural Span: 24'
Arch/MEP: 40% / 60%	LEED: NA	Historic Significance: NA

Clear Floor Heights (1 Floor):

1 8'

The Working Chute 2 is a pole barn structure with a gable roof which is used as a shelter. Consisting of laminated 6"x6" posts with 2"x6" beams and 2"x6" roof framing, the four sides of the structure are open. The roof is clad in standing seam metal supported on wooden purlin. The shelter has a Palco Livestock Cattleboss chute under it which is sitting on a small, reinforced concrete slab. The structure has a frost proof hydrant located adjacent to it. There are no other MEP's associated with this building. It is in good condition and well maintained.

Architectural

89.15%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Stairways	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Walls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Floors	Level 1	<input type="text" value="3"/>	<input type="text" value="75.00%"/>

A reinforced concrete slab provides a base for the farm equipment in the structure. The remaining areas are earthen. The floors are in adequate condition.

Ceilings Level 1 **3** 75.00%

The structure has open ceilings which are in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

A Palco Livestock, Cattleboss 485 chute is located under the canopy of this structure. It is in adequate condition.

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The structure is completely open providing adequate means of egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **85.00%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances C:Compliant with ADA; A:Accessible; N:Not Accessible **0.00%**

Level **0.00%**

The north elevation is open, however, there is no accessible route to this structure.

Level **0.00%**

The south elevation is open, however, there is no accessible route to this structure.

Level

The east elevation is open, however, there is no accessible route to this structure.

Level

The west elevation is open, however, there is no accessible route to this structure.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%

Level

NA

Level

NA

Level

NA

Level

The roof is clad in standing seam metal roofing supported on the wooden roof framing and purlins. The roof is in very good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%

Level

The structure has post hole footers which have been reinforced with concrete. A reinforced concrete slab on grade covers a portion of the interior of the shelter. These are in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%

Level

The shelter type structure consists of pole barn construction with laminated 6"x6" posts and 2"x6" beams supporting 2"x6" roof framing. The roof is clad in standing seam metal supported on purling. The four walls of the shelter are open. The structure is sound and in good condition.

MEP **75.00%**

Plumbing System **75.00%**
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

Fixtures Level 1 3 75.00%

A frost proof hydrant is located on the south side of the shelter. It is in adequate condition.

Water Piping Inside Building Level 1 NA NA

NA

Sanitary Vent Piping Level 1 NA NA

NA

Water Service Level 1 3 75.00%

The frost proof hydrant is tied into a 1" line to the site from the public utility.

Storm Piping Level 1 NA NA

NA

Hot Water Source Level 1 NA NA

NA

Natural Gas Piping Level 1 NA NA

NA

Laboratory Piping Level 1 NA NA

NA

HVAC System **NA**
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

Fuel Oil System Level 1 NA NA

NA

Primary Heating Source Level 1 NA NA

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service

Level 1

NA

Standpipes

Level 1

NA

Sprinkler System

Level 1

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1

NA

Distribution

Level 1

NA

Lighting

Level 1

NA

Exit Signs

Level 1

NA

Fire Alarm System

Level 1

NA

Emergency Egress Lighting

Level 1

NA

Lighting Controls

Level 1

NA

Security Systems

Level 1

NA

Emergency Power

Level 1

NA

Phone/Data Systems

Level 1

NA

Quantity of Receptacles

Level 1

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1123: Swine Run-In Sheds

75.44%



Address:
3671 Kays
Avenue,
Columbus

Area:
840

Construction Type:
Wood frame w / Wood skin

Auditor:
DMD & MAM

**Date
Constructed:**
1980

Construction Type 2:

Audit Date:
03/03/2015

Last Renovation:
NA

Structural Span:
12'

Arch/MEP:
40% / 60%

LEED:
NA

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 4'

There are ten Swine Run-In Sheds located in the pasture behind the Swine Barn. Five are 96 square feet and five are 72 square feet. The shelters have shed roof which are clad in corrugated metal. Some of the sheds rear walls have had plywood installed to shelter the animals from the elements. No MEP's are associated with these. The shelters are in adequate condition and function as intended.

Architectural

75.44%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors

Level 1 NA NA

NA

Stairways

Level 1 NA NA

NA

Walls

Level 1 3 75.00%

Some shelters have three of their walls enclosed with plywood. The exposed underside is visible from the interiors. These are in adequate condition.

Floors

Level 1 3 75.00%

Earthen floors.

Ceilings Level 1

Ceilings are the exposed roof framing and the underside of the corrugated metal roofs. These are in adequate condition.

Fixed Furnishings Level 1

NA

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1

The shelters are not intended for human occupants, they are open and adequate.

Roof Fall Protection Level 1

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **85.00%**

Signage Level 1

NA

Restrooms Men Level 1

NA

Restrooms Women Level 1

NA

Vertical Access Level 1

NA

Entrances C:Compliant with ADA; A:Accessible; N:Not Accessible **0.00%**

Level

The shelters are open on their northern elevations, however, they are in a pasture and there is no accessible route.

Level

NA

Level

NA

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Exterior walls are clad in plywood which is weathered but remains adequate for the use of the structure.

Level

NA

Level

NA

Level

The roofs of the structures are clad in corrugated metal which has been painted. The roofs remain in adequate condition for the use of the structures.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Level

NA

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structures consist of 4"x4" posts with 2"x4" roof framing. The structures are partially clad in plywood and slat siding. These shelters are intended

to be mobile and remain in adequate condition.

MEP

NA

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fixtures Level 1

NA

Water Piping Inside Building Level 1

NA

Sanitary Vent Piping Level 1

NA

Water Service Level 1

NA

Storm Piping Level 1

NA

Hot Water Source Level 1

NA

Natural Gas Piping Level 1

NA

Laboratory Piping Level 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1

NA

Primary Heating Source Level 1

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service

Level 1

NA

Standpipes

Level 1

NA

Sprinkler System

Level 1

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1

NA

Distribution

Level 1

NA

Lighting

Level 1

NA

Exit Signs

Level 1

NA

Fire Alarm System

Level 1

NA

Emergency Egress Lighting

Level 1

NA

Lighting Controls

Level 1

NA

Security Systems

Level 1

NA

Emergency Power

Level 1

NA

Phone/Data Systems

Level 1

NA

Quantity of Receptacles

Level 1

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1124: Pony Run-In Sheds

72.90%



Address:
3658 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
160

**Date
Constructed:**
1980

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Wood skin

Construction Type 2:

Structural Span:
10'

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 4'

There are two Pony Run-In Sheds located adjacent to the larger Horse Run-in Sheds. These are 80 square feet each and consist of 4"x4" posts with 2"x4" framing. The small sheds have gable roofs which are clad in corrugated metal and three of their walls have had plywood installed on their exteriors to shelter the animals. There are no MEP's associated with these sheds. They are in adequate condition and function as intended.

Architectural

72.90%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1 NA NA

NA

Stairways Level 1 NA NA

NA

Walls Level 1 3 75.00%

The interior walls are the exposed framing and underside of the exterior plywood sheathing. The walls are worn but remain adequate.

Floors Level 1 3 75.00%

Earthen floors.

Ceilings

Level 1

The ceilings are the exposed framing and the underside of the corrugated metal roofs. They are worn but remain adequate.

Fixed Furnishings

Level 1

NA

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Means of Egress

Level 1

The east elevations are completely open, however the shelters are not intended for human occupants.

Roof Fall Protection

Level 1

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

85.00%

Signage

Level 1

NA

Restrooms Men

Level 1

NA

Restrooms Women

Level 1

NA

Vertical Access

Level 1

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

0.00%

Level

NA

Level

NA

Level

The east elevations are open, however, they are in an enclosed run and there is no accessible route.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

Exterior walls are clad in plywood which is weathered and worn but remains adequate for the use of the structure.

Level

NA

Level

NA

Level

The roofs are clad in corrugated metal which has begun to rust but remains adequate for the intended use of the structure.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

50.00%

Level

The structures have post hole footers which have been backfilled with earth.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The sheds consist of 4"x4" posts with 2"x4" framing. The exterior walls are clad in plywood and the roof is clad in corrugated metal. The structures are

worn and weathered but remain adequate for their intended use.

MEP

NA

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fixtures Level 1

NA

Water Piping Inside Building Level 1

NA

Sanitary Vent Piping Level 1

NA

Water Service Level 1

NA

Storm Piping Level 1

NA

Hot Water Source Level 1

NA

Natural Gas Piping Level 1

NA

Laboratory Piping Level 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1

NA

Primary Heating Source Level 1

NA

Primary Cooling Source

Level 1

NA

Air System Equipment

Level 1

NA

Air System Distribution

Level 1

NA

Hydronic Water Piping

Level 1

NA

Steam Piping

Level 1

NA

Building Controls

Level 1

NA

Laboratory Exhaust System

Level 1

NA

Laboratory Hoods/Controls

Level 1

NA

Computer Room AC Equipment

Level 1

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service

Level 1

NA

Standpipes

Level 1

NA

Sprinkler System

Level 1

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1

NA

Distribution

Level 1

NA

Lighting

Level 1

NA

Exit Signs

Level 1

NA

Fire Alarm System

Level 1

NA

Emergency Egress Lighting

Level 1

NA

Lighting Controls

Level 1

NA

Security Systems

Level 1

NA

Emergency Power

Level 1

NA

Phone/Data Systems

Level 1

NA

Quantity of Receptacles

Level 1

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1126: Hay Storage Quonset

75.44%



Address:
3640 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
256

**Date
Constructed:**
1980

Last Renovation:
NA

LEED:
NA

Construction Type:
Steel frame w / Precast Concrete skin

Construction Type 2:

Structural Span:
NA

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 8'

The Hay Storage Quonset is located north of the Cow Barn and sits west to east. The quonset hut consists of steel tube framing with corrugated metal siding. The west end call is capped with steel framing and corrugated metal panels. The structure is used to store hay. It is weathered and worn but remains adequate for it's intended use. There are no MEP's associated with this structure.

Architectural

75.44%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1 NA NA

NA

Stairways Level 1 NA NA

NA

Walls Level 1 3 75.00%

Interior walls are the exposed underside of the exterior corrugated metal wall systems. They are adequate.

Floors Level 1 3 75.00%

The structure has an earthen floor.

Ceilings Level 1

Ceilings are the exposed underside of the exterior corrugated metal wall systems. They are adequate.

Fixed Furnishings Level 1

NA

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1

The structure has adequate egress.

Roof Fall Protection Level 1

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **85.00%**

Signage Level 1

NA

Restrooms Men Level 1

NA

Restrooms Women Level 1

NA

Vertical Access Level 1

NA

Entrances C:Compliant with ADA; A:Accessible; N:Not Accessible **0.00%**

Level

NA

Level

NA

Level

The east elevation is open, however, there is no accessible route to this structure.

Level

NA

Level

NA

Exterior
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Level

Exterior walls are clad in a corrugated metal wall system supported on steel framing. They have begun to rust but remain adequate.

Level

NA

Level

NA

Level

NA

Substructures
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Level

NA

Level

NA

Superstructures
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Level

A steel framed quonset hut structure with corrugated metal exterior. The structure is sound and in adequate condition.

MEP

NA

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fixtures Level 1 NA NA

NA

Water Piping Inside Building Level 1 NA NA

NA

Sanitary Vent Piping Level 1 NA NA

NA

Water Service Level 1 NA NA

NA

Storm Piping Level 1 NA NA

NA

Hot Water Source Level 1 NA NA

NA

Natural Gas Piping Level 1 NA NA

NA

Laboratory Piping Level 1 NA NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1 NA NA

NA

Primary Heating Source Level 1 NA NA

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Fire Service	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Standpipes	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Sprinkler System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1 NA NA

NA

Distribution

Level 1 NA NA

NA

Lighting

Level 1 NA NA

NA

Exit Signs

Level 1 NA NA

NA

Fire Alarm System

Level 1 NA NA

NA

Emergency Egress Lighting

Level 1 NA NA

NA

Lighting Controls

Level 1 NA NA

NA

Security Systems

Level 1 NA NA

NA

Emergency Power

Level 1 NA NA

NA

Phone/Data Systems

Level 1 NA NA

NA

Quantity of Receptacles

Level 1 NA NA

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1310: Swine Nursery D

74.12%



Address:
3639 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/04/2015

Arch/MEP:
40% / 60%

Area:
1050

**Date
Constructed:**
2000

Last Renovation:
NA

LEED:
NA

Construction Type:
Steel frame w / Metal skin

Construction Type 2:

Structural Span:
Varies 24'0"

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 8'0"

The Swine Nursery D is an engineered modular trailer with a low gable roof which rests on CMU block piers. The exterior of this trailer is clad in standing seam metal wall and roofing systems. The structure is insulated and moisture resistant panels with seam covers are installed on all interior surfaces. This trailer is used as an animal nursery. There are steel tube animal pens with automatic watering and feeding systems. The structure is heated by electric unit heaters and large intake and exhaust fans circulate air. The trailer has adequate electrical service, with room for expansion. The trailer is being used as designed and is in good condition. The facility assessment team was escorted by and interviewed Mr. Ken Mays, Swine Operations Manager, while conducting their field work.

This building was previously numbered D85 but was updated to 1310 per the University's revised numbering system. AS

Architectural

75.14%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1 **3** 75.00%

The structure has insulated, metal doors with moisture resistant panels, windows, and cylinder hardware. The doors are in good condition.

Stairways Level 1 **NA** NA

NA

Walls Level 1 **3** 75.00%

Interior walls are wooden stud framed, with insulation and 4'x8' laminated wall panels with seam covers installed. Animal pens have painted, galvanized steel pipe walls. The walls are worn but remain in good condition.

Floors Level 1 **3** 75.00%

The trailer has metal and wooden floor joists with vinyl sheet flooring. Feed alleys and raised pen floors have a heavy duty fabric vinyl coating glued to the under-flooring. The floors are worn but remain in adequate condition.

Ceilings Level 1 **3** 75.00%

Ceilings have wooden roof trusses with insulation and 4'x8' laminated panels with seam covers installed over them. These are in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

Automatic feeding and watering equipment located in animal pens are in good condition.

Life Safety
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

Multiple exits met life safety codes when built and remain adequate.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility
 C:Compliant with ADA; A:Accessible; N:Not Accessible **78.57%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

0.00%Level

Single steel entry door with cylinder hardware is not ADA compliant.

Level

NA

Level

Single steel entry door with cylinder hardware is not ADA compliant.

Level

Single steel entry door with cylinder hardware is not ADA compliant.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

An engineered, modular trailer with insulated standing seam metal exterior walls supported on metal and wood framing. The walls are in good condition.

Level

NA

Level

Single steel entry doors, some with windows, in metal frames with cylinder hardware and laminated panels installed on the interior are in good condition.

Level

The low gable roof is clad in a standing seam metal roofing system supported on wooden roof framing. It is in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The engineered, modular trailer is sitting on CMU block piers on compacted earth and gravel. These are adequate.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure is an engineered, modular trailer with wood and metal framing clad in standing seam metal siding and roofing systems. The structure is sound and in good condition.

MEP**73.44%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

73.16%

Fixtures Level 1 **3** 75.00%

Automatic watering systems in animal pens are in good condition.

Water Piping Inside Building Level 1 **3** 75.00%

The domestic water system has insulated copper piping and pvc piping which is adequate.

Sanitary Vent Piping Level 1 **3** 75.00%

The sanitary waste and vent system has PVC piping which drains to a sewage treatment plant at the southeast corner of the property. The system was backed up at the time of the assessment due to freezing temps. It remains in adequate condition.

Water Service Level 1 **3** 75.00%

The structure has a 1" water supply from the public utility which is in adequate condition.

Storm Piping Level 1 **2** 50.00%

The structure lacks gutters and downspouts, these should be considered for installation.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fuel Oil System Level 1 **NA** NA

NA

Primary Heating Source Level 1 **3** 75.00%

Heating system has electric unit heaters and wall mounted heaters which are in good condition.

Primary Cooling Source Level 1 **3** 75.00%

Evaporative cooling system with pad, gutter to sump, make-up water float, sump pump, distribution pipe and 4' x 4' cooling pad media.

Air System Equipment Level 1 **3** 75.00%

Area exhaust fans interconnected with outside air louvers are in good condition.

Air System Distribution Level 1 **NA** NA

NA

Hydronic Water Piping Level 1 **NA** NA

NA

Steam Piping Level 1 **NA** NA

NA

Building Controls Level 1 **3** 75.00%

Electric thermostats control heaters and evaporative cooling system units.

Laboratory Exhaust System Level 1 **NA** NA

NA

Laboratory Hoods/Controls Level 1 **NA** NA

NA

Computer Room AC Equipment Level 1 **NA** NA

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fire Service Level 1 **3** 75.00%

The structure has portable fire extinguishers which are in good condition.

Standpipes Level 1 **NA** NA

NA

Sprinkler SystemLevel 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

71.43%**Service Entrance**Level 1 3 75.00%

The trailer has a 100 amp, 208/120 single phase service run underground from the Swine Barn/AEP. It is in adequate condition.

DistributionLevel 1 3 75.00%

The trailer has a 100 amp, 208/120 single phase lighting and power distribution panel with spare capacity which is in good condition.

LightingLevel 1 3 75.00%

Surfaced mounted T-8 fluorescent lighting is adequate.

Exit SignsLevel 1 2 50.00%

The structure lacks exit signs, these should be installed for safety. Combination exit signs with emergency egress lights are recommended.

Fire Alarm SystemLevel 1 NA NA

NA

Emergency Egress LightingLevel 1 2 50.00%

The structure lacks emergency egress lighting, this should be installed for safety. Combination exit signs with emergency egress lights are recommended.

Lighting ControlsLevel 1 3 75.00%

Wall mounted light switches and weather proof light switches are in good condition.

Security SystemsLevel 1 NA NA

NA

Emergency PowerLevel 1 NA NA

NA

Phone/Data SystemsLevel 1 NA NA

NA

Quantity of Receptacles

Level 1 **3** 75.00%

Weather proof 20 amp GFCI wall receptacles with adequate coverage.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1 **NA** NA

NA

1311: Swine Nursery C **74.12%**



<p>Address: 3669 Kays Avenue, Columbus</p> <p>Auditor: DMD & MAM</p> <p>Audit Date: 03/04/2015</p> <p>Arch/MEP: 40% / 60%</p>	<p>Area: 1290</p> <p>Date Constructed: 2000</p> <p>Last Renovation: NA</p> <p>LEED: NA</p>	<p>Construction Type: Steel frame w / Metal skin</p> <p>Construction Type 2:</p> <p>Structural Span: Varies 16'0"</p> <p>Historic Significance: NA</p>
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Clear Floor Heights (1 Floor):

1 8'0"

The Swine Nursery C is an engineered modular trailer with a low gable roof which rests on CMU block piers. The exterior of this trailer is clad in standing seam metal wall and roofing systems. The structure is insulated and moisture resistant panels with seam covers are installed on all interior surfaces. This trailer is used as an animal nursery. There are steel tube animal pens with automatic watering and feeding systems. The structure is heated by electric unit heaters and large intake and exhaust fans circulate air. The trailer has adequate electrical service, with room for expansion. The trailer is being used as designed and is in good condition. The facility assessment team was escorted by and interviewed Mr. Ken Mays, Swine Operations Manager, while conducting their field work.

This building was previously numbered D86 but was updated to 1311 per the University's revised numbering system. AS

Architectural **75.14%**

Interior Finishes
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Doors Level 1 3 75.00%

The structure has insulated, metal doors with moisture resistant panels, windows, and cylinder hardware. The doors are in good condition.

Stairways Level 1 NA NA

NA

Walls Level 1 3 75.00%

Interior walls are wooden stud framed, with insulation and 4'x8' laminated wall panels with seam covers installed. Animal pens have painted, galvanized steel pipe walls. The walls are worn but remain in good condition.

Floors Level 1 **3** 75.00%

The trailer has metal and wooden floor joists with vinyl sheet flooring. Feed alleys and raised pen floors have a heavy duty fabric vinyl coating glued to the under-flooring. The floors are worn but remain in adequate condition.

Ceilings Level 1 **3** 75.00%

Ceilings have wooden roof trusses with insulation and 4'x8' laminated panels with seam covers installed over them. These are in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

Automatic feeding and watering equipment located in animal pens are in good condition.

Life Safety
 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

Multiple exits met life safety codes when built and remain adequate.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility
 C:Compliant with ADA; A:Accessible; N:Not Accessible **78.57%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

0.00%Level

NA

Level

Single steel entry door with cylinder hardware is not ADA compliant.

Level

Single steel entry door with cylinder hardware is not ADA compliant.

Level

Single steel entry door with cylinder hardware is not ADA compliant.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

An engineered, modular trailer with insulated standing seam metal exterior walls supported on metal and wood framing. The walls are in good condition.

Level

NA

Level

Single steel entry doors, some with windows, in metal frames with cylinder hardware and laminated panels installed on the interior are in good condition.

Level

The low gable roof is clad in a standing seam metal roofing system supported on wooden roof framing. It is in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The engineered, modular trailer is sitting on CMU block piers on compacted earth and gravel. These are adequate.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure is an engineered, modular trailer with wood and metal framing clad in standing seam metal siding and roofing systems. The structure is sound and in good condition.

MEP

73.44%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

73.16%

Fixtures Level 1 **3** 75.00%

Automatic watering systems in animal pens are in good condition.

Water Piping Inside Building Level 1 **3** 75.00%

The domestic water system has insulated copper piping and pvc piping which is adequate.

Sanitary Vent Piping Level 1 **3** 75.00%

The sanitary waste and vent system has PVC piping which drains to a sewage treatment plant at the southeast corner of the property. It remains in adequate condition.

Water Service Level 1 **3** 75.00%

The structure has a 1" water supply from the public utility which is in adequate condition.

Storm Piping Level 1 **2** 50.00%

The structure lacks gutters and downspouts, these should be considered for installation.

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fuel Oil System Level 1 **NA** NA

NA

Primary Heating Source Level 1 **3** 75.00%

Heating system has electric unit heaters and wall mounted heaters which are in good condition.

Primary Cooling Source Level 1 **3** 75.00%

Evaporative cooling system with pad, gutter to sump, make-up water float, sump pump, distribution pipe and 4' x 4' cooling pad media.

Air System Equipment Level 1 **3** 75.00%

Area exhaust fans interconnected with outside air louvers are in good condition.

Air System Distribution Level 1 **NA** NA

NA

Hydronic Water Piping Level 1 **NA** NA

NA

Steam Piping Level 1 **NA** NA

NA

Building Controls Level 1 **3** 75.00%

Electric thermostats control heaters and evaporative cooling system units.

Laboratory Exhaust System Level 1 **NA** NA

NA

Laboratory Hoods/Controls Level 1 **NA** NA

NA

Computer Room AC Equipment Level 1 **NA** NA

NA

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fire Service Level 1 **3** 75.00%

The structure has portable fire extinguishers which are in good condition.

Standpipes Level 1 **NA** NA

NA

Sprinkler SystemLevel 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

71.43%**Service Entrance**Level 1 3 75.00%

The trailer has a 100 amp, 208/120 single phase service run underground from the Swine Barn/AEP. It is in adequate condition.

DistributionLevel 1 3 75.00%

The trailer has a 100 amp, 208/120 single phase lighting and power distribution panel with spare capacity which is in good condition.

LightingLevel 1 3 75.00%

Surfaced mounted T-8 fluorescent lighting is adequate.

Exit SignsLevel 1 2 50.00%

The structure lacks exit signs, these should be installed for safety. Combination exit signs with emergency egress lights are recommended.

Fire Alarm SystemLevel 1 NA NA

NA

Emergency Egress LightingLevel 1 2 50.00%

The structure lacks emergency egress lighting, this should be installed for safety. Combination exit signs with emergency egress lights are recommended.

Lighting ControlsLevel 1 3 75.00%

Wall mounted light switches and weather proof light switches are in good condition.

Security SystemsLevel 1 NA NA

NA

Emergency PowerLevel 1 NA NA

NA

Phone/Data SystemsLevel 1 NA NA

NA

Quantity of Receptacles

Level 1 **3** 75.00%

Weather proof 20 amp GFCI wall receptacles with adequate coverage.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1 **NA** NA

NA

1312: Working Chute 1

75.79%



Address:
3647 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
1728

**Date
Constructed:**
2000

Last Renovation:
NA

LEED:
NA

Construction Type:
Steel frame w / Metal skin

Construction Type 2:

Structural Span:

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 8'0"

Working Chute 1 consists of two, steel framed, gable roofed, shelters with open sides and standing seam metal siding installed on the roofs. These structures sit side by side, with their gable peaks facing north and south. The standing seam metal siding is run horizontally and supported by the steel framing members. These shelters cover cattle working equipment with a squeeze chute. There are no mechanicals associated with this structure. The structure is designed to provide cover from the elements while working with the animals. It is functioning as intended and is in good condition.

This building was previously numbered D87 but was updated to 1312 per the University's revised numbering system. AS

Architectural

75.79%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1

NA

Stairways Level 1

NA

Walls Level 1

NA

Floors Level 1 **3** 75.00%

The structure has a reinforced concrete slab on grade floor which is in adequate condition.

Ceilings Level 1 **3** 75.00%

The ceiling is the exposed underside of the standing seam metal roofing system supported on steel framing. It is in adequate condition.

Fixed Furnishings Level 1 **3** 75.00%

There is cattle working equipment with a squeeze chute located inside this structure. These are heavily used and worn but remain in good condition.

Life Safety
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The structure is open on all sides providing adequate egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility
C:Compliant with ADA; A:Accessible; N:Not Accessible **94.64%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances
C:Compliant with ADA; A:Accessible; N:Not Accessible **75.00%**

Level 1 75.00%

The north elevation is open, however, the structure is not ADA compliant.

Level

The south elevation is open, however, the structure is not ADA compliant.

Level

The east elevation is open, however, the structure is not ADA compliant.

Level

The west elevation is open, however, the structure is not ADA compliant.

Level

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

NA

Level

NA

Level

NA

Level

The gable roofs of the structure are clad in standing seam metal siding, run horizontally, supported on steel framing. They are in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The steel structures are bolted to a reinforced concrete slab on grade which is in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

Level

The structures consist of combination, steel, posts and trusses which are mechanically fastened to a reinforced concrete slab. The gable roofs meet at their soffit areas with a small gap between. They are in adequate condition.

MEP

NA

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fixtures Level 1

NA

Water Piping Inside Building Level 1

NA

Sanitary Vent Piping Level 1

NA

Water Service Level 1

NA

Storm Piping Level 1

NA

Hot Water Source Level 1

NA

Natural Gas Piping Level 1

NA

Laboratory Piping Level 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1

NA

Primary Heating Source Level 1

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Fire Service	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Standpipes	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Sprinkler System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1 NA NA

NA

Distribution

Level 1 NA NA

NA

Lighting

Level 1 NA NA

NA

Exit Signs

Level 1 NA NA

NA

Fire Alarm System

Level 1 NA NA

NA

Emergency Egress Lighting

Level 1 NA NA

NA

Lighting Controls

Level 1 NA NA

NA

Security Systems

Level 1 NA NA

NA

Emergency Power

Level 1 NA NA

NA

Phone/Data Systems

Level 1 NA NA

NA

Quantity of Receptacles

Level 1 NA NA

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1317: Hoop Structure **94.79%**



Address:
3638 Kays
Avenue,
Columbus

Area:
4000

Construction Type:
Reinforced Concrete frame w / Metal skin

Auditor:
DMD & MAM

**Date
Constructed:**
2012

Construction Type 2:
Wood frame w / Other skin

Audit Date:
03/02/2015

Last Renovation:
NA

Structural Span:

Arch/MEP:
40% / 60%

LEED:
NA

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 20'

The Hoop Structure was constructed in 2012 and sits west to east with the east elevation being open. The structure has 4' and 5' high, reinforced concrete, cast in place knee walls along the south, west, and north elevations. The south and north elevations support the steel, arched, roof trusses, which are mechanically fastened to the reinforced concrete. The west end wall has a 2"x6" wooden framed wall with wooden girts supporting standing seam metal siding. The structure has a canvas covering which is stretched and secured on the north and south elevations. Wooden and steel portable bleachers provide seating for educational programs. Steel tube animal pen gates separate students from the animals and enclose the east elevation. No MEP's are associated with this building. An earthen floor has been covered with mulch and straw. The structure is used as classroom space. The structure is sound and in very good condition. The facility assessment team was escorted by and interviewed Mr. Dan Rhodeback, Equine Facilities Coordinator, while conducting their field work.

Architectural **94.79%**

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

90.00%

Doors Level 1 NA NA

NA

Stairways Level 1 NA NA

NA

Walls Level 1 4 100.00%

The interior walls are the exposed, cast in place, reinforced concrete knee walls with brick face stamping, 2"x6" west end wall framing, and the underside of the exterior standing seam metal end wall siding and fabric coverings for the hoop structure. These are in very good condition. There are also wooden posts with steel tube animal pen gates which are in good condition.

Floors Level 1 3 75.00%

The building has an earthen floor which is covered with mulch and straw. They are in adequate condition.

Ceilings Level 1 4 100.00%

The ceiling of the structure is the exposed underside of the fabric covering and it's steel framing.

Fixed Furnishings Level 1 3 75.00%

There are wooden and steel, portable bleachers located inside the structure which are in good condition.

Life Safety 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 3 75.00%

There are multiple means of egress from the structure which are in adequate condition.

Roof Fall Protection Level 1 NA NA

NA

Accessibility C:Compliant with ADA; A:Accessible; N:Not Accessible **94.64%**

Signage Level 1 NA NA

NA

Restrooms Men Level 1 NA NA

NA

Restrooms Women Level 1 NA NA

NA

Vertical Access Level 1 NA NA

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

75.00%Level

NA

Level

NA

Level

The east elevation is open with animal pen style gates. There is no accessible route to this elevation.

Level

The west elevation has a steel entry door and aluminum, roll up, overhead garage door which are both accessible but not ADA compliant.

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%Level

The exterior walls of the south, west, and north elevation have 5' and 4' high, reinforced, cast in place, concrete walls with a brick face stamping on them. The west end wall is clad in standing seam metal siding supported on wooden framing and girts. The structure has a stretched canvas cover reaching from the north to south with plastic covering the cut outs in the cast in place walls. The exterior walls are in very good condition.

Level

NA

Level

The structure has a steel entry door with lever hardware and roll up, overhead garage door on the west elevation which are in very good condition. The east elevation has steel tube animal pen gates which are also in very good condition.

Level

The roof of the hoop structure is stretched canvas which is in very good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%Level

There are continuous, reinforced concrete footers with cast in place, reinforced, concrete walls to 5' and 4' above grade along the south, west, and north elevations. These are in very good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

100.00%Level

An engineered structure, it consists of cast in place, reinforced concrete knee walls on the south, west, and north elevations supporting steel arched roof trusses and a 2"x6" wooden framed end wall. The wooden framed end wall has standing seam metal siding installed on wooden girts. The steel arched roof trusses support a canvas covering which is stretched over the framing. The structure is sound and in very good condition.

MEP

NA

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fixtures Level 1

NA

Water Piping Inside Building Level 1

NA

Sanitary Vent Piping Level 1

NA

Water Service Level 1

NA

Storm Piping Level 1

NA

Hot Water Source Level 1

NA

Natural Gas Piping Level 1

NA

Laboratory Piping Level 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1

NA

Primary Heating Source Level 1

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Fire Service	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Standpipes	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Sprinkler System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1 NA NA

NA

Distribution

Level 1 NA NA

NA

Lighting

Level 1 NA NA

NA

Exit Signs

Level 1 NA NA

NA

Fire Alarm System

Level 1 NA NA

NS

Emergency Egress Lighting

Level 1 NA NA

NA

Lighting Controls

Level 1 NA NA

NA

Security Systems

Level 1 NA NA

NS

Emergency Power

Level 1 NA NA

NA

Phone/Data Systems

Level 1 NA NA

NA

Quantity of Receptacles

Level 1 NA NA

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1318: Range Shelter 4**74.25%**

Address:
3638 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
288

**Date
Constructed:**
1970

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Wood skin

Construction Type 2:

Structural Span:
24'

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 6'

Range Shelter 4 is a small, shed roofed structure used for sheltering animals. It consists of 4"x4" posts and 2"x6" beams supporting 2"x4" roof framing. The low roof is fully sheathed and has corrugated metal installed over it. Exterior walls are clad in wooden slat siding which is weathered, worn, and curled. The exterior should be repaired and painted to protect it from the elements. There are no MEP's associated with this building. The interior is exposed with 2"x6" kneewalls around the enclosed portions. An earthen floor is covered with straw for the animals. The structure is weathered and worn but remains adequate for it's intended use. The facility assessment team was escorted by and interviewed Mr. Dan Rhodeback, Equine Facilities Coordinator, while conducting their field work.

Architectural**73.12%****Interior Finishes**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1

NA

Stairways Level 1

NA

Walls Level 1

Interior walls are the exposed underside of the exterior wooden slat siding supported on wooden girts with 2"x6" wooden kneewalls around the north, west, and south elevations. The walls are worn and weathered but remains adequate for the use of the structure.

Floors Level 1 **3** 75.00%

The structure has an earthen floor covered with straw which is adequate for the use of the structure.

Ceilings Level 1 **3** 75.00%

The ceilings are the exposed underside of the roof sheathing and framing. They are weathered and worn but remain adequate for the use of the structure .

Fixed Furnishings Level 1 **NA** NA

NA

Life Safety
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1 **3** 75.00%

The east elevation is open providing adequate egress.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility
C:Compliant with ADA; A:Accessible; N:Not Accessible **78.57%**

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical Access Level 1 **NA** NA

NA

Entrances
C:Compliant with ADA; A:Accessible; N:Not Accessible **0.00%**

Level **NA**

NA

Level

NA

Level

The east elevation is completely open however, there is no accessible route to this structure.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

69.23%

Level

The exterior is clad in wooden slat siding which is in poor to fair condition. Missing or curled boards should be replaced and the wood should be painted to protect it from the elements.

Level

NA

Level

NA

Level

The roof has corrugated metal installed over sheathing. The roof is in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The structure has post hole footers which have been reinforced with cement. They are in adequate condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure consists of post and beam construction with 4"x4" posts and 2"x6" beams supporting 2"x4" roof framing. The exterior is clad in wooden slat siding which is weathered and the roof is fully sheathed with corrugated metal installed over it. The structure is sound and in adequate condition.

MEP

75.00%

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Fixtures Level 1 **3** 75.00%

Automatic waterer located on the east side of the structure.

Water Piping Inside Building Level 1 **NA** NA

NA

Sanitary Vent Piping Level 1 **NA** NA

NA

Water Service Level 1 **3** 75.00%

1" water service to frost proof hydrant then underground to automatic waterer.

Storm Piping Level 1 **NA** NA

NA

Hot Water Source Level 1 **NA** NA

NA

Natural Gas Piping Level 1 **NA** NA

NA

Laboratory Piping Level 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1 **NA** NA

NA

Primary Heating Source Level 1 **NA** NA

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fire Service	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Standpipes	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Sprinkler System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1 NA NA

NA

Distribution

Level 1 NA NA

NA

Lighting

Level 1 NA NA

NA

Exit Signs

Level 1 NA NA

NA

Fire Alarm System

Level 1 NA NA

NA

Emergency Egress Lighting

Level 1 NA NA

NA

Lighting Controls

Level 1 NA NA

NA

Security Systems

Level 1 NA NA

NA

Emergency Power

Level 1 NA NA

NA

Phone/Data Systems

Level 1 NA NA

NA

Quantity of Receptacles

Level 1 NA NA

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1319: Range Shelter 5

73.12%



Address:
3638 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
288

**Date
Constructed:**
1970

Last Renovation:
NA

LEED:
NA

Construction Type:
Wood frame w / Wood skin

Construction Type 2:

Structural Span:
24'

Historic Significance:
NA

Clear Floor Heights (1 Floor):

1 6'

Range Shelter 5 is a small, shed roofed structure used for sheltering animals. Consisting of 4"x4" posts and 2"x8" beams supporting 2"x4" roof framing. The low roof is fully sheathed and has corrugated metal installed over it. Exterior walls are clad in wooden slat siding which is weathered, worn, and missing sections. The exterior should be repaired and painted to protect it from the elements. There are no MEP's associated with this building. The interior is exposed with 2"x6" kneewalls around the enclosed portions of the structure and plywood down the center creating two stalls. An earthen floor is covered with straw for the animals. The structure is weathered and worn but remains adequate for its intended use. The facility assessment team was escorted by and interviewed Mr. Dan Rhodeback, Equine Facilities Coordinator, while conducting their field work.

Architectural

73.12%

Interior Finishes

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Doors Level 1

NA

Stairways Level 1

NA

Walls Level 1

Interior walls are the exposed underside of the exterior wooden slat siding supported on wooden girts with 2"x6" kneewalls around the north, west, and east elevations. The center of the structure has a low plywood kneewall. These walls are worn and weathered but remain adequate for the use of the structure.

Floors Level 1

The shelter has an earthen floor covered with straw with is adequate for the use of the structure.

Ceilings Level 1

The ceilings are the exposed underside of the roof sheathing and framing. They are weathered and worn but remain adequate for the use of the structure.

Fixed Furnishings Level 1

NA

Life Safety
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **75.00%**

Means of Egress Level 1

The east elevation is open providing adequate egress.

Roof Fall Protection Level 1

NA

Accessibility
C:Compliant with ADA; A:Accessible; N:Not Accessible **78.57%**

Signage Level 1

NA

Restrooms Men Level 1

NA

Restrooms Women Level 1

NA

Vertical Access Level 1

NA

Entrances
C:Compliant with ADA; A:Accessible; N:Not Accessible **0.00%**

Level

NA

Level

NA

Level

The east elevation is open, however, there is no accessible route to this structure.

Level

NA

Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

69.23%

Level

The exterior wall are clad in wooden slat siding which is in poor to fair condition. Missing or damaged boards should be replaced and the wood should be painted to protect it from the elements.

Level

NA

Level

NA

Level

The roof has corrugated metal installed over sheathing. The roof is in adequate condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Level

The shelter has post hole footers which have been reinforced with cement. They are in adequate condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure consists of post and beam construction with 4"x4" posts and 2"x8" beams supporting 2"x4" roof framing. The exterior is clad in wooden slat siding which is in poor condition. The roof is fully sheathed with corrugated metal installed over it. The structure remains sound.

MEP

NA

Plumbing System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fixtures Level 1

NA

Water Piping Inside Building Level 1

NA

Sanitary Vent Piping Level 1

NA

Water Service Level 1

NA

Storm Piping Level 1

NA

Hot Water Source Level 1

NA

Natural Gas Piping Level 1

NA

Laboratory Piping Level 1

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Fuel Oil System Level 1

NA

Primary Heating Source Level 1

NA

Primary Cooling Source	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Air System Distribution	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Hydronic Water Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Steam Piping	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Building Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Exhaust System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Laboratory Hoods/Controls	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Computer Room AC Equipment	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			

Fire Protection
4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **NA**

Fire Service	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Standpipes	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>
NA			
Sprinkler System	Level 1	<input type="text" value="NA"/>	<input type="text" value="NA"/>

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Service Entrance

Level 1 NA NA

NA

Distribution

Level 1 NA NA

NA

Lighting

Level 1 NA NA

NA

Exit Signs

Level 1 NA NA

NA

Fire Alarm System

Level 1 NA NA

NA

Emergency Egress Lighting

Level 1 NA NA

NA

Lighting Controls

Level 1 NA NA

NA

Security Systems

Level 1 NA NA

NA

Emergency Power

Level 1 NA NA

NA

Phone/Data Systems

Level 1 NA NA

NA

Quantity of Receptacles

Level 1 NA NA

NA

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA

1323: Horse Barn North - OSU Equine Program

69.33
%



Address:
3658 Kays
Avenue,
Columbus

Auditor:
DMD & MAM

Audit Date:
03/02/2015

Arch/MEP:
40% / 60%

Area:
5025

**Date
Constructed:**
1972

Last Renovation:
2013

LEED:
NA

Construction Type:
Wood frame w / Metal skin

Construction Type 2:

Structural Span:

Historic Significance:
NA

Clear Floor Heights (1 Floor):1 10'

The Equine Facility at The Ohio State University is operated by faculty and staff of the Department of Animal Sciences. Currently, the facility houses Quarter Horses and is the central location for all equine-related teaching, research, and Extension activities. The facility features a hot/cold wash rack, 28 box stalls, 2 large foaling stalls equipped with cameras, 2 large stallion stalls, breeding lab, and a classroom with seating for up to 50 students. A large outdoor arena with several paddocks with turn-out shelters complete the facility. The experiences offered by The Ohio State University Equine Program provide students with the opportunity to enhance their formal education with hands-on experience. Routine care of the animals and facilities comes first, everyone is expected to do whatever is needed around the farm. The facility also offers full-care horse boarding with 16 box stalls available for public boarding.

In 2011, a storm took out a portion of the roof over the arena portion of this barn. As a repair, the entire roof was removed from the arena but the end walls were left. In 2013, repairs were made to the exposed walls of the service and stall areas of the building. The end walls of the arena were removed and the now exterior walls were covered in plywood on the interior and standing seam metal siding was installed on the now southern structure, while corrugated metal was added to the now northern section. A total of 13,651 square feet of covered arena area was lost due. The Equine program is currently using Plumb Hall's covered arena.

The Horse Barn is a long post and beam structure with a shed roof. The structure consists of 6"x6" post framing with double 2"x10" headers supporting engineered roof trusses. The interior of the structure is completely utilitarian as the majority of areas in it are animal stalls. The southern portion of this building was recently enclosed when the arena portion of the structure was removed. This side of the building had galvanized corrugated metal installed over the length of it which remains silver. The rest of the exterior of the structure is clad in painted, standing seam metal siding and roofing systems. This portion of the barn has 18 animal stalls with 2"x6" wooden tongue and groove walls with metal bars installed above 4' for viewing. The stalls have sliding barn doors constructed of the same materials. The building has running water but lacks a sanitary tie in. The laundry sinks in the lab/tack room empty into buckets underneath and the wash rack has a floor drain. The furnishings are dated and worn but remain functional. There are no restrooms in this building. The barn is tied into building 0323's electrical services. A single, Reznor unit supplies conditioned air to the interior of the building. Animals have buckets of water in the stalls as there are no automatic waterers. The floors are asphalt with rubber mats and saw dust added to the animal stalls. The lighting is dim but adequate. The structure, while sound, was once one building and is now two due to the removal of the roof and walls of the arena. The barn is worn due to heavy usage. Additional life safety measures should be considered for the building such as illuminated exit signs with egress lighting and the addition of fire extinguishers. The facility assessment was escorted by and interviewed Mr. Dan Rhodeback, Equine Facilities Coordinator, while conducting field work.

Architectural**70.80%****Interior Finishes**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

67.65%**Doors**Level 1 **3** 75.00%

Stalls have sliding wooden tongue and groove doors with metal barns and edging to prevent chewing. These are in adequate condition. There is a single, hollow metal door providing to the lab room of the side. This door is worn due to heavy usage. It remains adequate. In addition, there is a wooden, sliding barn door on a steel track into rooms 102 and 104. This door is in adequate condition.

StairwaysLevel 1 **NA** NA

NA

Walls Level 1 **2** 50.00%

The interior wall along the southern portion of the building has unfinished plywood installed to create an exterior wall for the building after the attached arena was damaged and removed. The stalls have 2"x6" wooden tongue and groove wall systems which are worn but remain adequate. The wash rack has laminated panels installed over the plywood to prevent moisture from penetrating. The base of these walls are showing water damage where the laminated panels stop. The lab/tack room has unfinished plywood installed. Room 102 has moisture resistant board laminated over the interior walls. The walls range from poor condition to adequate due to the heavy use of the building.

Floors Level 1 **3** 75.00%

The floors are asphalt throughout, with rubber mats installed over it in the stalls with saw dust. The floors are worn but remain adequate.

Ceilings Level 1 **3** 75.00%

The structure has exposed ceilings which are in adequate condition.

Fixed Furnishings Level 1 **2** 50.00%

The lab/tack room has metal base cabinets with plywood countertops. These are worn and beginning to rust.

Life Safety

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%

Means of Egress Level 1 **3** 75.00%

The barn has multiple means of egress which met life safety codes when built and remain adequate.

Roof Fall Protection Level 1 **NA** NA

NA

Accessibility

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%

Signage Level 1 **NA** NA

NA

Restrooms Men Level 1 **NA** NA

NA

Restrooms Women Level 1 **NA** NA

NA

Vertical AccessLevel 1

NA

Entrances

C:Compliant with ADA; A:Accessible; N:Not Accessible

100.00%Level

The north elevation has two, sliding single barn doors with corrugated steel over the wood framing. These doors are not ADA compliant.

Level

The south elevation has two single, steel entry doors with lever hardware. The doors are ADA compliant. It was noted that the southeast door is completely blocked on the interior side by hay storage. A clear path to egress should be established in this area.

Level

The east elevation has an overhead aluminum garage door and a double sliding barn door covered with standing seam metal siding. These doors are accessible but not ADA compliant.

Level Level

NA

Exterior

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

67.50%Level

The exterior walls of the building are clad in painted, standing seam metal siding. The paint has begun to chip and peel. The southern side of the building was recently enclosed due to the removal of the arena between the wings. This side is clad in corrugated steel which is galvanized and has not been painted. The exterior walls are in adequate condition.

Level

The building has a single, aluminum sliding window with single pane glass which is functional. This window should be considered for replacement as it allows air infiltration now.

Level

The structure has sliding barn doors with corrugated metal installed on the exterior. There are single, steel entry doors with lever hardware and a single overhead garage door. The doors are worn but remain adequate.

Level

The shed roof of the barn is clad in a standing seam metal roofing system. The roof appears sound and in good condition.

Substructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure has post hole footers which are reinforced with concrete and a reinforced concrete slab on grade floor. The footers remain in good condition.

Level

NA

Superstructures

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

75.00%Level

The structure consists of post and beam construction with wooden 8"x8" post, 6"x8" end wall post, 2"x6" tongue and groove wooden walls, double 2"x10" beams, with 2"x8" banding, and 2"x6" wooden girts and purlin, supporting engineered roof trusses. interior partition walls are wood stud framed with either plywood or tongue and groove wood. A new wall was created along the south side of the building to enclose the area due to the removal of the arena. This wall has 4"x4" posts with 2"x10" beams supporting 2"x6" roof framing. The structure is sound and remains adequate.

MEP**68.35%****Plumbing System**

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

64.12%**Fixtures**Level 1 **2** 50.00%

The lab/tack room has two, pvc laundry sinks with hot and cold water. The sinks are heavily stained. The wash rack has cold and hot faucets which attached to a hose as a blend valve. The fixtures are worn but remain functional and in adequate condition.

Water Piping Inside BuildingLevel 1 **3** 75.00%

The domestic water system has insulated copper piping. Some domestic water piping is installed underground to the frost proof yard hydrants. The pipe is in adequate condition.

Sanitary Vent PipingLevel 1 **2** 50.00%

The structure lacks a sanitary waste removal system. The laundry sinks drain into buckets underneath. The sinks should be tied into the the sanitary line in the southern barn.

Water ServiceLevel 1 **3** 75.00%

The structure has a 2" water supply from the public utilities. The service is adequate for the use of the structure.

Storm PipingLevel 1 **3** 75.00%

The building has aluminum gutters and downspouts which drain to pvc boots then to vitrified clay pipe to lower areas. The storm water management system is adequate.

Hot Water SourceLevel 1 **3** 75.00%

The structure has an 80 gallon, electric Whirlpool hot water tank which is in adequate condition.

Natural Gas PipingLevel 1 **2** 50.00%

There is a gas supply to the exterior Rexnor unit which is run underground from the southern building. The 2" line is welded and threaded steel pipe. The pipe is rusted due to exposure and should be painted to protect it from further deterioration.

Laboratory PipingLevel 1 **NA** NA

NA

HVAC System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

71.55%**Fuel Oil System**Level 1 **NA** NA

NA

Primary Heating Source Level 1 2 50.00%

There is a single, Reznor unit located on the exterior southwest corner of the building which supplies conditioned air for the structure. It is sitting away from the building and has exterior duct work. The unit while good sized, is not adequate for the structure, it should be considered for an upgrade when feasible.

Primary Cooling Source Level 1 NA NA

NA

Air System Equipment Level 1 3 75.00%

A Reznor AHU supplies conditioned air to the interior of the structure. It is in adequate condition.

Air System Distribution Level 1 3 75.00%

The system utilized rigid pipe on the exterior of the building to round rigid pipe inside with supply registers added along it. The system is in good condition.

Hydronic Water Piping Level 1 NA NA

NA

Steam Piping Level 1 NA NA

NA

Building Controls Level 1 3 75.00%

The system utilizes electric thermostats to control the unit. This is in adequate condition.

Laboratory Exhaust System Level 1 3 75.00%

The animal stalls have manually operated exhaust fans in each. These are in adequate condition.

Laboratory Hoods/Controls Level 1 NA NA

NA

Computer Room AC Equipment Level 1 NA NA

NA

Fire Protection 4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed **50.00%**

Fire Service Level 1 2 50.00%

The building lacks fire extinguishers, these should be installed for safety.

StandpipesLevel 1 NA NA

NA

Sprinkler SystemLevel 1 NA NA

NA

Electrical System

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

71.43%**Service Entrance**Level 1 3 75.00%

This structure is tied into the electric for 0323 as this was one structure prior to the removal of the arena. It has a 600 amp, 208/120/3 phase from AEP which is in good condition.

DistributionLevel 1 3 75.00%

This building is tied into the panels located in 0323 as this was one structure prior to the removal of the arena. There is a 400 amp and four 225 amp, 208/120/3 phase lighting and power distribution panels located in room 139. The panels and switches have begun to rust, however, they remain adequate.

LightingLevel 1 3 75.00%

The interior lighting for the building are explosion proof fixtures with compact fluorescents installed. They are in good condition. HID lighting for the exterior of the building is in adequate condition.

Exit SignsLevel 1 2 50.00%

The building has combination exit signs with emergency egress lights above the southern elevations exterior doors. The sign has been removed from the door with the hay storage in front of it. The building also has non-illuminated, paper exit signs above several doors. It is recommended that illuminated exit signs be installed in their place and that the hay storage be removed from in front of the door and it's exit sign reinstalled.

Fire Alarm SystemLevel 1 NA NA

NA

Emergency Egress LightingLevel 1 2 50.00%

The building has a combination exit sign with emergency egress light above the southwest man door. Additional emergency lighting should be considered. Combination exit signs with emergency lighting are recommended.

Lighting ControlsLevel 1 3 75.00%

The lights have wall mounted switches. They are in adequate condition.

Security SystemsLevel 1 NA NA

NA

Emergency Power

Level 1

NA

Phone/Data Systems

Level 1

NA

Quantity of Receptacles

Level 1

The building has 20 amp and 20 amp GFCI wall receptacles with good coverage throughout.

Conveying Systems

4 Excellent; 3 Adequate; 2 Minor Renovation; 1 Major Renovation; X Missing & Needed

NA

Elevators and Lifts

Level 1

NA