

**Wildlife Restoration
FINAL PERFORMANCE REPORT**

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF WILDLIFE CONSERVATION
PO Box 115526
Juneau, AK 99811-5526

**Alaska Department of Fish and Game
Wildlife Restoration Grant**

GRANT NUMBER: AKW-21 FY2017

PROJECT TITLE: Deferred Range Maintenance

PERIOD OF PERFORMANCE: July 1, 2016-June 30, 2019

REPORT DUE DATE: Sept 1, 2018

PRINCIPAL INVESTIGATOR: Ginamaria Smith, John Wyman, Jeff Jemison

This is the final report for a multi-year project. This template is applicable to both:

- the final closeout report of a multi-year grant; or
- the final closeout report of a multi-year project within the annual operating grant, summarizing all accomplishments for all objectives.

Authorities: 2 CFR 200.328
2 CFR 200.301
50 CFR 80.90

I. SUMMARY OF WORK COMPLETED ON PROJECT

Objective 1: Perform range maintenance activities at the Fairbanks Hunter Education Indoor Shooting Range.

Accomplishments: During this reporting period, deferred maintenance work was completed as outlined in grant AKW-21, for range maintenance activities at the Fairbanks ADF&G Hunter Education Indoor Shooting Range. Specifically, and since the beginning of this grant period, the following items have been completed:

- Job/Activity a: Replaced facility flooring
- Job/Activity b: Replaced the HEPA vacuum
- Job/Activity c: Replaced the floor scrubber
- Job/Activity d: Replaced, repairs, maintained target carriers
- Job/Activity e: Performed industry standard shooting range facility inspection
- Job/Activity f: Performed facility painting, parking lot striping and repairs

OBJECTIVE 1: Perform range maintenance activities at the Fairbanks Hunter Education Indoor Shooting Range.

Job 1a, Replace the Facility Flooring.

Replacement of the facility flooring has been completed. In addition to the previously reported renovation of the live-fire range flooring, we were able to complete replacement of all the carpeted areas in the remainder of the facility during this last reporting period. Carpet tiles was used that should allow us to replace sections as needed in the future versus the need to replace sheet/roll carpet in an entire room. And, we were able to replace the 20-year-old and damaged flooring in the facility restrooms. This is new since the last report.

Job 1b, Replace HEPA Vacuum has been completed and reported on previously.

Job 1c, Replace the floor scrubber has been completed and reported on previously.

Job 1d, Replace, repair, and/or maintain target carriers, holders, benches, and stools, has been completed. We were able to have built new target holders for each of the 10 shooting lanes and were able to salvage and repair some of the older, damaged, target holders. We were able to perform repair and maintenance on the target carriers and benches and stools. We expect replacement of the stools and benches to be a future (likely five years or more from this report) maintenance item for the facility, with incidental replacements for a few of the carriers and benches and perhaps stools, in the near future, as needed. This is new since the last report.

Job 1e, Perform range inspection was completed and reported on previously. The highlight of the inspection is that we have been successful in maintaining the facility and keeping it clean and safe for the public to use. The bullet trap was in good condition and we will see more serviceable years from it (beyond the 20-year rated life span) because of our caliber limitations and the regular upkeep and maintenance.

Job 1f, Perform facility painting, parking lot work, other facility needs as funds allow has been completed. We were able to complete repair work to interior walls, sheetrock, and window casements and patch and paint all interior walls outside the live-fire range (including restrooms, outer and main lobbies, classrooms, and electronic range room). Due primarily to having funds remaining since we did not need to replace the bullet trap (see note under shooting range inspection, Job 1e), we were able to complete additional facility maintenance items: We were able to repair and correct installation of ADA fixtures and replace broken and chipped sink basins in the facility restrooms. We were able to replace worn and damaged front counter sections and update the electrical connections and wiring to meet current code. We were able to update the Audio/Video components in the classrooms and were able to

complete an outdoor covered storage, work, parking area attached to the facility storage building.

Objective 2: Perform shooting range maintenance activities at the Juneau Hunter Education Facility.

Accomplishments:

Job/Activity a: Install front door remote keyless entry.

This job was accomplished. In addition to the described work all exterior doors were recoded to use the same key. Previously all doors required a different key.

Job/Activity b: Install safety windows into interior wall of archery classroom. Job completed during FY19.

Job/Activity c: Shooting lane modifications, painting to indicate warning and danger areas. Job completed by Department staff during FY19.

Job/Activity d: Downspout and gutter repairs. Job completed by Department staff during FY19.

Job/Activity e: Trenching and landscaping around range property. Job completed by contractor during FY19.

Job/Activity f: Build elevated archery shooting platform. Materials purchased. Construction will be completed by Department staff as time allows.

Job/Activity g: Build cover for front entrance walkway. This job was not completed because another higher priority need arose during the year. Please see below.

Job/Activity h: Concrete pad extension. This job was completed during FY19.

Other work completed during FY19 using these funds:

ADA Parking: Department staff repainted worn parking lot lines and striping for handicapped parking.

Air filters: Department staff purchased and replaced internal air filters to maintain air quality standards.

Interior lighting: During FY19 aging interior fluorescent light fixtures began to fail. We replaced light fixtures and improved lighting in the archery wing hallway, archery range, live fire range, and range safety area by replacing old fixtures with brighter and longer-lasting LED fixtures. We also replaced upgraded emergency exit signs with new units that have battery back-up spotlights.

Exterior lighting: During FY19 we also replaced exterior lights with LED fixtures including adding several motion-activated security lights. Parking lot light fixtures also began to fail and were replaced with LED fixtures.

Objective 3: Perform range maintenance activities at the Anchorage Rabbit Creek Shooting Park.

Accomplishments:

Job/Activity 3a: Lead reclamation and backstop enhancement

MT2, a company who specializes in lead reclamation projects at ranges was contracted to complete the activity. The project was completed in two phases due to unanticipated challenges associated with a late, wet spring in 2018.

Phase I of the project, completed in May 2018, added side berms between three of the main ranges and increased the height of the side berms on all ranges. Phase II, completed in July 2018, included the lead reclamation project and an increase in the height of the back berms. 55,348 pounds of lead bullets was recovered, which was then sold at market value. Per the contract with MT2, the proceeds were split, and \$14,073.47 was taken off the final project bill. It was the first time in department history that a lead reclamation project was completed at a department-run range.

Job/Activity 3b: Lighting for safety, security, and low-light shooting

The lights on the shotgun range were replaced with LED light bulbs and ballasts to increase their lifespan and provide additional lighting for low-light shooting and safety.

Job/Activity 3c: Service entrance for range maintenance building

Completed this activity in previous performance year (July 1, 2017- June 30, 2018)

Job/Activity 3d: Sawdust Collection System

Completed this activity with other funds prior to approval of this grant due to employee health risks.

II. SIGNIFICANT DEVELOPMENT REPORTS AND/OR AMENDMENTS.

OBJECTIVE 1: Perform range maintenance activities at the Fairbanks Hunter Education Indoor Shooting Range.

To accomplish the maintenance tasks in this last reporting period and to complete work in time to meet fiscal year, procurement, and grant requirements, we closed the facility during a time we would normally be open to the public. We communicated to our facility users and to the public the range would be closed for deferred maintenance work. Typically, due to the operational season of the Fairbanks ADF&G Hunter Education Indoor Shooting Range, and pre-scheduled use of the facility, there is a limited window when the facility can be closed to the public, without major disruption, to complete significant maintenance tasks. That window is, typically, during the mid-to-late summer months, like August and part of September, when requested use of the indoor range is low compared to Fall, Winter, Spring months. ADF&G works to minimize disruption to members of the public, including firearms instructors, volunteer hunter education instructors, coaches, etc., but for some projects do find it necessary to implement maintenance closure windows. This presents a challenge, at times, to complete major work in just one season, when dealing with contractors, schedules,

supplies, etc., and maintenance windows. Thankfully, and with the support and help of administrative, procurement, and management staff, we were able to accomplish the objectives of this grant within the required timelines and the result will benefit the public users of the facility, including hunters and shooters, for years to come.

Since this grant was drafted, we have identified other facility needs, some of which were mentioned previously for possible future CIPs.

- We experienced some roof leaking in the last two spring seasons so may need to do some roof work on the flat/rubberized roof section over the live-fire range and will eventually need to re-shingle the now 20-year-old shingled roof side. The shingles in place now have blackened from algae growth across most of the roof surface and are also stained from the furnace exhaust.
- Our electronic shooting system is outdated and with the state moving away from older operating systems we now need to purchase new software and simulations and hardware to keep our electronic shooting systems in use for the public and instructors and our mobile program.
- We also have a long-established need for some plumbing work, for purposes of cleaning the live-fire range (almost daily) to make sure we do not end up with a lead (Pb) contamination issue.
- We have additional grounds, sidewalk work to complete at some point. The 20-year-old sidewalk and parking lot has, over the years, settled and raised so there are some areas now with crack and uneven sections that, over time, will need correction.

To address the above maintenance issues, we are looking at the need for an estimated \$250-270k in ongoing maintenance costs as the facility ages.

OBJECTIVE 3: A Significant Development Report was submitted in July 2018 requesting the remainder of the Objective 3 funds be allowed to be used to purchase equipment used for annual range maintenance activities (riding lawn mower, 6-wheeler, plow, sound system for range house and covered ranges).

SDR-July 2018: Purchase equipment for annual range maintenance activities

A riding lawn mower, Kawasaki Mule UTV, snowblower, and a plow for the range truck were purchased in FY19 to be used at RCSP.

III. PUBLICATIONS

- See attached photos of lead reclamation at RCSP.



- Photos for Objective 1 attached

IV. REVIEW OF PRIOR RESEARCH AND STUDIES IN PROGRESS ON THE PROBLEM OR NEED

Objective 1: Plans should be made now for future maintenance needs for the facility, with some items identified above. Also, the facility was initially designed with a

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footprint to allow for expansion with additional shooting lanes. Expansion should be considered, perhaps an addition of an archery range area. Additionally, OSHA requirements indicate we should have an onsite shower, for employees, due to the lead (Pb) exposure potential and we do not have any shower or breakroom areas at the facility.

Date: September 26, 2019



SAFETY RULES

1. ALWAYS keep the gun pointed in a safe direction.
2. ALWAYS keep your finger off the trigger until ready to shoot.
3. ALWAYS keep the gun unloaded until ready to use.

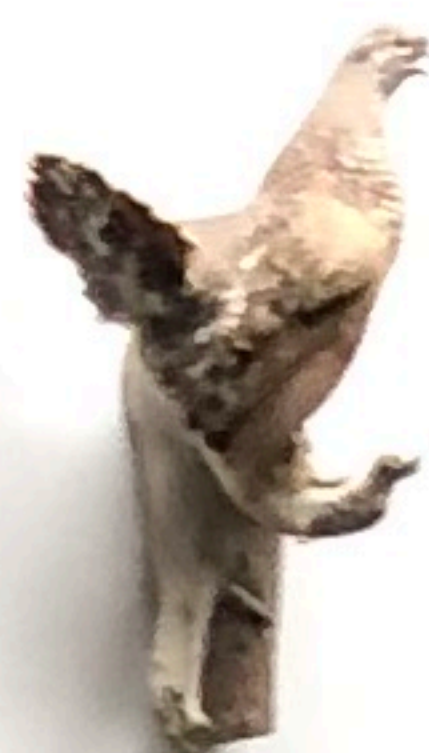
REMEMBER: TREAT EVERY GUN AS IF IT IS LOADED.

The Three Fundamental Requirements For Gun Safety are:

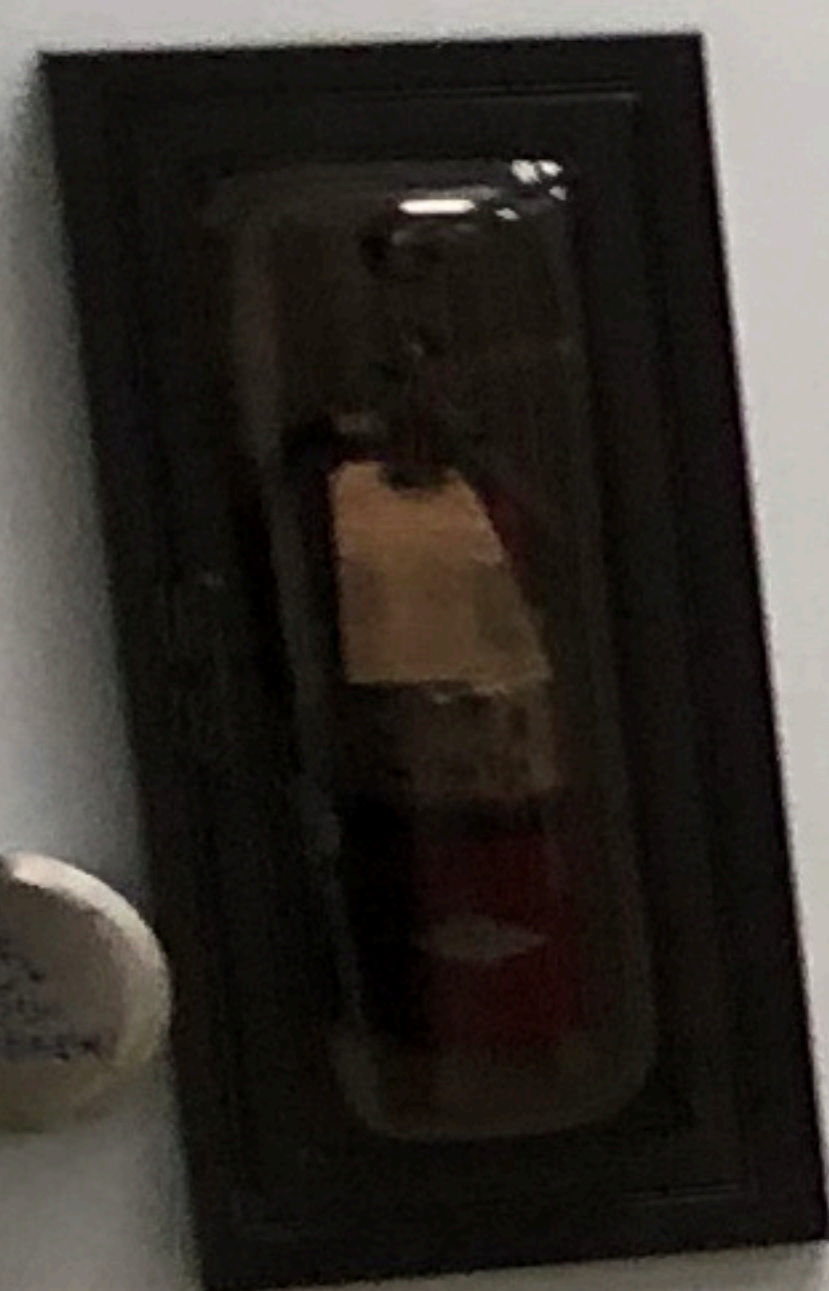
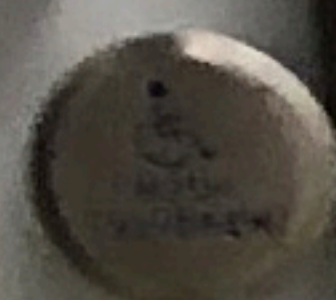
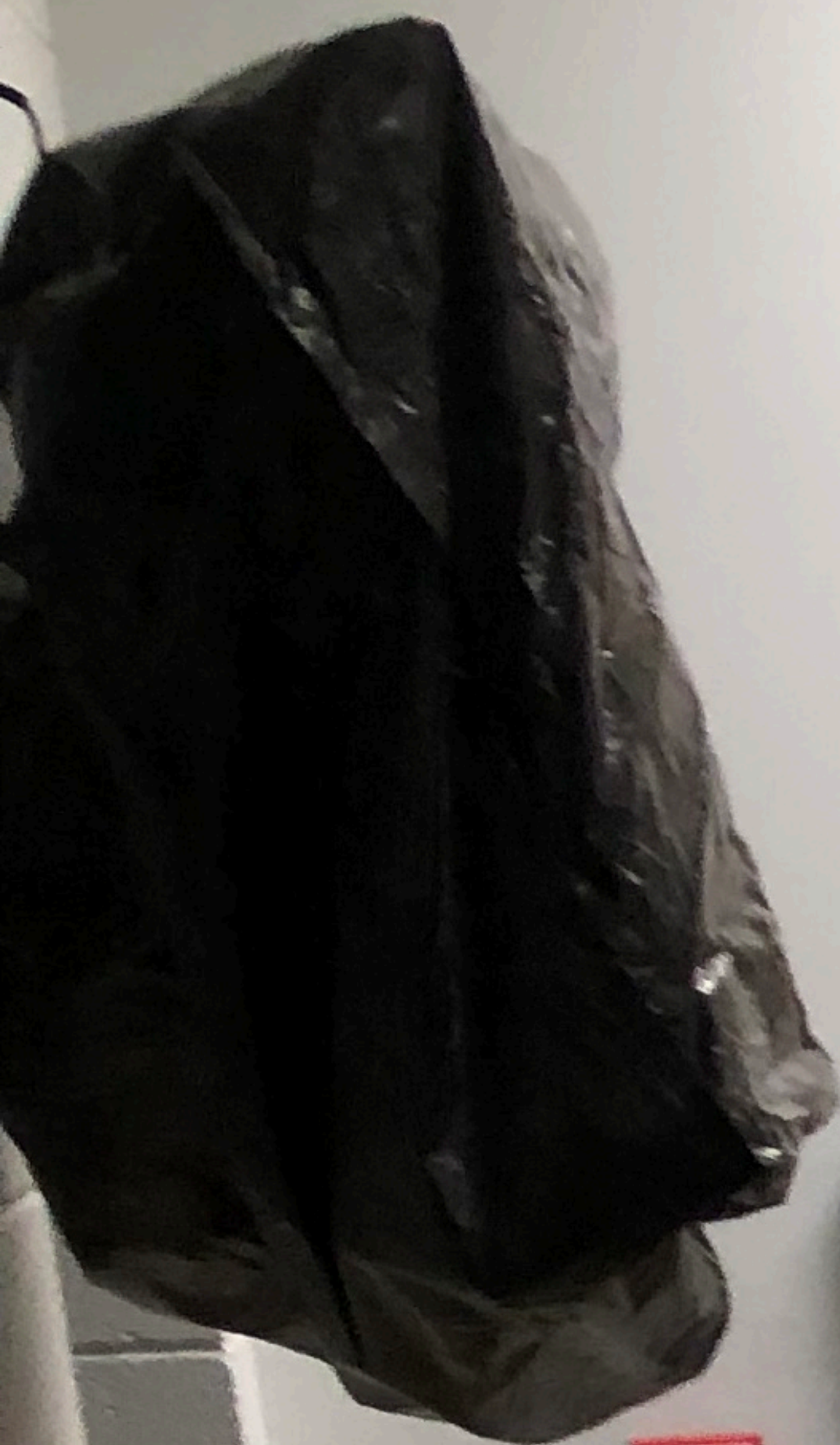
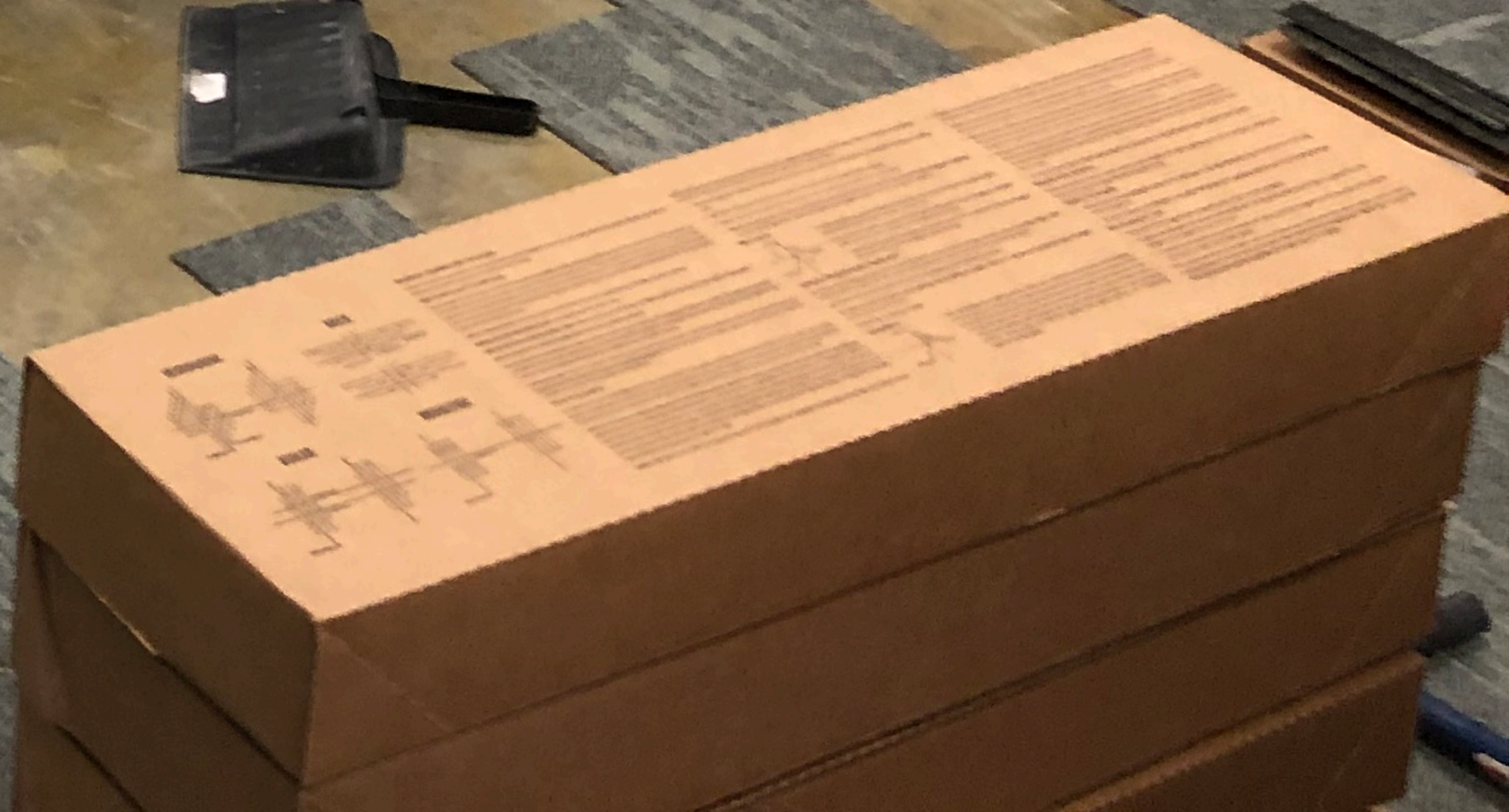
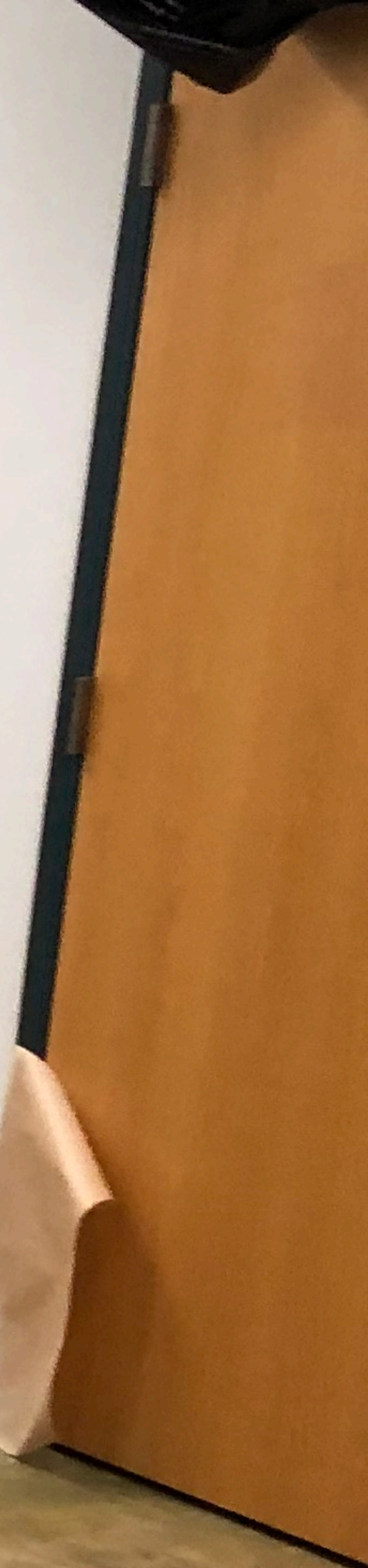
KNOWLEDGE • SKILL • ATTITUDE

Gun Safety is a simple but ongoing process. You must first acquire a **KNOWLEDGE** of how to handle guns safely, then develop and maintain proper safe handling **SKILLS** through practice. But the most important element to being safe is **ATTITUDE**. Safety knowledge and skills are of little value unless you have the attitude to use them **ALWAYS**.





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INDOOR SHOOTING RANGE



VAN
ACCESSIBLE

RESERVED
PARKING
STAFF
ONLY

RESERVED
PARKING
STAFF
ONLY

RESERVED
PARKING
RANGE
MANAGER