

Staff Qualifications

ACC Staff Qualifications:

- Working knowledge of the belay systems (belay techniques, knots, commands)
- Ability to recognize high risk/dangerous climbing behavior or technique
- Ability and knowledge to set up and take down climbing ropes
- Familiarity with proper use and function of all climbing equipment including autobelay
- Able to communicate safety issues to participants
- Able to monitor participant belay
- Safety attitude and awareness
- Familiarity with Adventure Climbing Center policies and procedures
- Successfully complete ACC Staff Training
- Current First Aid and CPR certifications
- Familiarity with opening and closing responsibilities
- Ability to abide by and enforce program policies and procedures
- Ability to conduct ACC Belay Checks
- Knowledge of rescue systems and the ability to perform rescues and facility evacuations.

Wall Instructor Qualifications:

- All ACC Staff qualifications
- Demonstrated teaching effectiveness
 - Good communication skills
 - Can present all information on a lesson plan in a clear and effective manner
 - Evaluate belay technique thoroughly
 - Can demonstrate proper climbing technique
- Demonstrate judgment, skills and experience necessary to be an instructor
- Completion of Instructor Development Progress Form.



ACC Daily Procedures

Day _____ Date _____

Staff Name(s) _____

Please follow these procedures when opening the Climbing Center. Your careful attention to detail will ensure the safety of our members.

1. Locate a Rec Cen Supervisor (wearing black shirt) to open the Climbing Center door.
2. Boot up the computer.
3. Open windows as needed.
4. Turn lights on as needed.
5. Perform Daily Inspection.

Daily Inspection Check Sheet

Inspector Name(s) _____

As you inspect the ACC, please be conscientious of safety hazards. Ask yourself, “would I climb on this equipment?” Note all observations in comments box, and notify a supervisor immediately if you see anything you are unsure of or feel presents a safety hazard. Inspect through “general hazard sweep” before door opens and climbers are allowed in the center.

Item	Initials	Comments
Fully ascend, inspect and Test each Autobelay		
Hand inspect top rope anchors where reachable		
Visually inspect remaining TR anchors w/ binoculars		
Emerg Rescue Kit is present and stocked		
First Aid kit is present and stocked		
Flashlight is present and functioning		
Biohazard kit(orange bucket) is present and stocked		
Perform general hazard sweep		
Radio is present and functioning		
Inspect each floor anchor and daisy chain		
Hand and visually inspect each rope		

Closing Procedures Check Sheet

Staff Name(s) _____

Please follow these procedures when closing the wall for the night. Your careful attention to detail will ensure that everything is secure and ready for the next day.

Item	Initials	Comments
All windows and storage door closed and locked		
Daisy chain all ropes		
Floor anchors tucked into holes		
Shut down and turn off computer		
Tidy work station		
Put away cashbox, tags, drivers' lic box. Basically everything but clipboards, radio, and flashlight		
Perform a general cleaning		
Do not leave 'till ACC door is locked by Supervisor		

Daily Rope Inspections

Why we do it!

Climbing ropes are items of Personal Protective Equipment (PPE) rated in category 3. This means there are 'grave or mortal' risks involved. Failure of this type of equipment could result in serious injury or death.

Rope structure:

The ropes we use have two main parts, the sheath and the core. The sheath is the outer covering you see (in our case it is either black or yellow and black). Its main job is to protect the inner core. The majority of the rope's strength comes from its core. It is generally white and should NOT be visible.

Sheath Inspection - Done visually to look for points of damage (e.g. glazed/burnt zones, cuts or areas of abrasion). Retire the rope if there are 20 or more points.

Core Inspection - Condition of the core is diagnosed both visually and tactilely.

What to look for? Any signs of the core protruding (i.e. white strands slipping through the sheath, fraying at ends, white exposed through heavily worn sheath).

What to feel for? A 'uniform feel' throughout the length of the rope. Any inconsistencies (e.g. flat spots or bulges) should elicit extra attention. Check for radial consistency (i.e. bend the rope at the area in question and move the section through. Look for a change in the radius of the bend in the rope.)

Method

This should all be done by consistently sliding the rope through one hand without interruption. Tie both ends together in an overhand on tails and slide it through the top anchors in a semi-circular motion. *Be sure to inspect rope ends before tying the knot. Look at each section of the rope as you pull it through your hand. If you are concerned about a section of any rope, get a second opinion from a fellow staff member. 'Retire' the rope if you are still worried.

Retiring a rope

A rope should be 'retired' if the core is visible through a cut or heavily abraded section of the sheath or if you can feel an obvious flat spot or bulge in the core. It can also be retired if you count 20 or more points of significant sheath wear. (If there is a long section of sheath fray, count about every 3-5 inches as 1 point of damage.)

Process - Pull the rope, coil it, and place it in Rod's Inbox with a note including **who** pulled it, **why**, and the **date/time**. Add any comments about second opinions, etc. The specific record sheet for the rope must also be pulled from the Inspection Log and placed with the rope in Rod's box.

Monthly Inspection Log (sample)

Inspectors Joe Gaucho
 Jane Gaucho
 Starting Date 5/7/2011

Check all rapid links for wear, tighten as necessary	Initials	Date
Quick-draws under Rope N appear faded. No damage, but, noticeably UV affected	SO	5/23/2011
replaced rapid link on rope "H" b/c anchor to webbing had two different rapid links that offsets the weight distribution	JS	5/24/2011
Replaced Rapid Links on Sheer Reduction Device side of anchor under Ropes W & Y because of deep gouges.	SO	5/28/2011
Check all bolts, align and tighten as necessary	Initials	Date
Several bolt hangers under Rope R were slightly loose and required tightening.	SO	5/11/2011
Remove any blood (significant quantities)	Initials	Date
Blood under Rope "S" in multiple locations	JS	5/20/2011
Blood under Rope "J" 7th panel up	JS	5/24/2011
Remove any broken or cracked holds	Initials	Date
Cracked foot chip in Boulder Cave. Replaced and noted.	SO	5/20/2011
Inspect wall for cracks, problems, anything out of place	Initials	Date
plywood coming off of wall under rope "S" 7th panel up. Checked inside wall,	JS	5/20/2011
seperation is neither dangerous nor large. Keep an eye on in the future	JS	5/24/2011
panel seperating from inner crack panel 7th panel up uder rope "G"		
Misc.	Initials	Date
Tightened floor-anchor bolts. All of them were quite loose.	SO	5/7/2011
Replaced webbing on anchor for rope "J" due to fraying.	JS	5/24/2011
Auto-Belay P anchors are quite gouged. Indicates very fast wear. Recommend new AB set-up/reassessment.	SO	5/27/2011

Inspector Signatures

Date Completed

Joe Gaucho
 Jane Gaucho

5/28/2011
 5/27/2011

Ropes Course

Inspection and Maintenance

Inspected By	Rick and Natalie	Date	July	Hours	6.5
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Comments	This inspection started in summer and spanned over a the summer
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Cabinet Equipment

Equipment	Quantity	# Good	# Fair	# Poor	Comments
Helmets					washed
Grigri	7	7			all show wear at edge that slides
Chest Harness	4	4			
Univ. Harness	31	28		3	stitching pulling out at waist belt belay
Univ. XL Harness	8	8			one needs tape marking it again
XXL Harness	3	2		1	stitching pulling out at waist belt belay
SM	4		2	2	fray at belay loop on 2
steel auto Carabine	17	16		1	gait catching, retired
steel SG Cbnrs.	9	9			
Alumni SG	5	5			
Figure 8's	1	1			
Stitch Plates	8	7	1		ATC could be smoothed is a bit sharp
Rappel Ropes	2	2			
Belay Ropes					
Zipline Setup	1	1			minor grooves on quick link
Gloves	5	5			
staff gloves	4	4			

High Elements

Condition Legend: G=Good, F=Fair, P=Poor, N/R=Needs / Replacment or Repair

High Wall	Cable	Anchors	Ropes				Holds
Condition	G	G	F				P
Comments	rope getting flat sections, many holds loose						

Zipline	Cable	Anchors	Platform	Ladder	Stop Block	Stop Bungee	Rope
Condition	G	G	G		G	G	G
Comments							

Platform Jump	Cable	Clamp	Shock	Rapid Link	Platform	Net Setup	Rope
Condition	F	G	G	F			G
Comments	cable frayed, rap link has grooves from shear reduction device, I turned it around to face other						

Burma Bridge	Cable	Anchors	Pulley	Rapid Link	Bridge	Webbing	Rope
Condition	G	G	G	G	G	F	G
Comments	only minor grooves in rap link, webbing old on bridge but looks fine						

Riley's Travers	Cable	Anchors	Pulley	Rapid Link	Bridge	Webbing	Rope
Condition	B	B	B	B	B	F	G
Comments	only minor groove on rap link, webbing looks old but fine						

Quick Release	Cable	Clamp	anchor	Rapid Link	Quick Release		Rope
Condition	G	G	G	G	G		G
Comments	clamps on cable were loose left over from when it was swaged, but there was no sign of slippage						