

High Course Open/Closing Rescue and Safety Procedures

Setting Up Events

Before using either event, check the equipment for safety. This includes just right descenders, cables, ladders, and over head objects. All participants must wear swiss seats and helmets for all High Course Events. Gloves are required for all participants who are rappeling.

All participants must be instructed in the proper use of the belay system and the use of belay commands.

Giant's Ladder-

1. Using a Ladder, Lower the Giant's Ladder, and tie off the orange rope to the support pole.
2. Run your belay line through the Just Right Descender.
3. Take the other end and attach it to the p-cord which is tied to bottom rung of the giant's ladder. Use a constrictor knot with a half hitch on the end. Pull the belay line up and over the ladder to the backside of the event. **ONLY UNTIE THE ONE SIDE OF THE P-CORD WHICH IS ATTACHED TO THE BOTTOM RUNG.**
4. Remove the p-cord from the rope and the bottom rung, and tie a figure 8 on a bight in the both ends of the belay line. Hook a locking aluminum carabiner into the bight on both of the figure 8's on a bight.

You are now ready to climb the Giant's Ladder.

All climbers must have rabbit ears to traverse the 2 line traverse and be on belay.

Two Line Traverse Zip Line

1. Once at top of the Giant's Ladder, hook your rabbit ears into the top traverse line. Make sure they are HOOK-LOCKED-CHECKED. They need to be opposing.
2. Flip them over after they are checked so the small part is toward the cable.
3. Traverse over to the zip line platform.
4. Once on the platform, hook your rabbit ears, one carabiner at a time, into the eye hooks at the top of the platform.
5. Pull up the second Belay line and run it through the quick links which are on the top line of the 2 line traverse.
6. Tie a figure 8 on a bight and put an aluminum carabiner into the bight.
7. Pull rescue bag up and prepare rescue equipment.
 1. Put Rescue 8 up with rope prehung from the assembly. Rescue 8 should be hung from a steel carabiner. Hang rescue 8 from back side of pole so it isn't in the way. Rope can be coiled still, but should be coiled so it drops easily.
 2. Have short harness ready with the rescue 8 and rope.
 3. Hang the etrier so it is easy to get.
 4. Ready the scissors.
8. Put the zip pulley on the cable. The pulley rests on the cable with the longest part of the

- pulley housing hanging below the cable.
9. The handles get carabinered into the bottom of the pulley housing, and another steel carabiner goes into the top of the pulley housing.
 10. The participants rabbit ears get attached to the cable behind the pulley.

Event is completely rigged.

Safety-A staff member on the ground is responsible for hooking up belay lines and checking to be sure that swiss seats are tied correctly. Verifying the climber has the helmet on correctly and that they have rabbit ears. Ground staff members are responsible for the belayers and the catchers at the end of the zip line. There will also be a staff member at the top of the platform for the zip line. This staff member is responsible for transitioning the participants from the traverse line to the zip line pulley. The staff on the platform is also responsible for any rescues or any other assistance a climber might need once they reach the top of the ladder.

Caving Ladder-Balance Beam

1. Drop Caving Ladder. Use a ladder to untie p-cord from support leg.
2. Use p-cord to run the belay line up and over the quick links.
3. Run the belay line through the just right descender.
4. Tie a figure 8 on a bight at both ends of the belay line.
5. Place aluminum carabiner in the bight on both ends of the belay line.
6. Hook Lock Check the rabbit ears into the safety lines over head.

Caving ladder is ready for climbing.

Free Rappel

1. Pull rescue bag and rappel line up to rappelling platform.
2. Prepare the rappel line. Tie a figure 8 in a bight, with a steel carabiner.
3. Attach carabiner to hook in point in cable above the balance beam, and drop extra rope to the ground.
4. Prepare figure 8 with aluminum carabiner for rappeller.
5. Prepare the rescue equipment.
 1. Prepare the etrier, by hanging it out for easy access.
 2. Ready the scissors for easy access.

Safety-A staff member on the ground is responsible for hooking up belay lines and checking to be sure that swiss seats are tied correctly. Verifying the climber has the helmet on correctly and that they have rabbit ears. Ground staff members are responsible for the belayers and taking the rappeller off of the rappel line. The staff member on the rappel platform is responsible for hooking in the climber to the rappel line. The top staff member is also responsible for rescues and any other assistance the climber might need once they reach the top of the ladder.

Climbing Tower

1. Run the side "One" belay line through the just right decender.
2. Attach the other end of the belay line to the p-cord that goes up and over the top bar for side One, by using a constrictor knot. Lift the rope up and over the top bar.
3. Tie a figure eight on a bight on both ends of the belay line.
4. Attach aluminum carabiners to both bights on the belay line.

5. Take tower rabbit ears up with you so you can lock in when you get to the top. Climb to the top. Hook rabbit ears into different eye bolts on the center pole.
6. Pull equipment up from the ground. All ropes, rope guides, extra rabbit ears, and rescue bag.
7. Attach rope guides from eye bolt on each side over the center pole, and over the top bar. Make sure to wrap rope guides around top pole at least two times, and that the guide is pulled taught.
8. Run the belay line through each guide and drop the long end down to the ground crew who puts it through the just right descender.
9. Put figure eight on a bight on both ends of each belay line with an aluminum carabiner through the bight on each side of the belay lines.
10. Take the rappel line and tie a figure 8 on a bight, and put a steel carabiner through the bight.
11. Attach the steel carabiner to an eye bolt on the side of the pole. This will usually be the right side of the rope guides eye bolt. Make sure it is not the same bolt as the rope guides.
12. Drop the rest of the rappel line over the top guide bar to the ground crew.
13. Prepare the Rescue bag.
 1. Prepare the rescue 8, and the rescue rope.
 2. Rescue rope should stay coiled, but an end should be tied in a figure 8 on a bight with a steel carabiner through the bight.
 3. Ready the scissors for easy access.
14. Double check all ground work setup.

Safety-A staff member on the ground is responsible for hooking up belay lines and checking to be sure that swiss seats are tied correctly. Verifying the climber has the helmet on correctly and that they have a Figure 8 and gloves. Ground staff members are responsible for the belayers and taking the rappeller off of the rappel line. The staff member at the top of the tower is responsible for hooking in the climber into the rappel line, and for rescues or any other assistance the climber might need once they reach the top of the tower.

Closing the Events

Giant's Ladder-Two Line Traverse-Zip Line

1. Put all Rescue equipment back into the bag.
2. Remove all equipment from the Platforms. Nothing should be left on the event but the quick links on the two line traverse and the p-cord on at the zip platform.
3. Remove the Traverse line belay line, by removing the carabiner and untying the knot. Drop the line to the ground.
4. Once all the equipment is removed from the zip platform area, lower it on the p-cord.
5. Zip down or belay down at the ladder or off the traverse line. If your not zipping down, remove the zip pulley and all equipment from the zip line, and lower to the ground with all the other equipment.
6. When dropping the giant's ladder belay line, attach the p-cord to the bottom rung, then tie a constrictor knot and half hitch to the rope. Pull rope through the quick links, and back over the event. Untie constrictor and retie the second part of the p-cord to the bottom rung of the giant's ladder.
7. Disable the event by pulling the event up with the orange rope and tying it off 12 foot from the ground.
8. Remove ropes from just right descenders and coil appropriately.
9. Check to make sure all equipment is accounted for.

Caving Ladder-Balance Beam-Free Rappel

1. Put away all rescue equipment.
2. Remove all extra equipment from the platform. This includes rabbit ears, figure 8's, and carabiners.
3. Drop the rappel line, remove the carabiner first.
4. Lower all extra equipment to the ground.
5. Belay down to the ground.
6. Remove carabiners from both ends of the belay lines, and remove carabiners.
7. Before dropping the belay line, attach the p-cord to the bottom rung of the caving ladder, and to the end of the belay line. Use a constrictor knot and a half hitch on the end of the belay line.
8. Pull belay line through the quick links.
9. Untie the p-cord from the rope, and use this to tie the caving ladder to the closest support pole 12 foot from the ground.
10. Remove ropes from just right descenders and coil appropriately.
11. Check to make sure all equipment is accounted for.

Climbing Tower

1. Drop all belay lines except for one.
2. Remove all hardware from the rappel lines and drop rappel lines.
3. Put away all rescue equipment into the rescue bag.
4. Remove all rope guides. Put your last belay line over the top guide rail.
5. Bag up all equipment, except for you rabbit ears, and lower to the ground.
6. Be Belayed or rappel yourself to the ground, making sure that nothing was left on the tower.
7. Check to make sure all equipment is accounted for and put into each sides appropriate bag.

Rescues on the Events

Giant's Ladder, Two Line Traverse, and Zip Line-

Giant's Ladder rescues- Talk the person back on to the event, or lower the participant down.

Two Line Traverse- If person falls off, talk them back onto the event. Send out an etrier if they can't get back onto the line. If all else fails, cut the rabbit ears and lower to the ground.

Zip Line- If a participant get stuck on the zip line. Send an inverted Rescue 8 down the zip line that has a rope extended to the ground on both sides of the rescue 8. Have participants try and pull the stuck pulley/participant down to the end of the zip line.

-If that doesn't work, send an instructor out on rabbit ears, using the rescue 8 and the ground crew to control the decent of the instructor down to the stuck participant. Pull side of the rope up that has the figure 8 on a bight and aluminum carabiner. Attach the carabiner to the participants swiss seat carabiner. Have the ground crew prepare the line to belay the participant down. Once the ground crew is ready, cut the rabbit ears and the zip line away from the participants carabiner. Remove the equipment from the wire and lower it to the ground. After participant is on the ground, put yourself on the belay line and be lowered to the ground.

Caving Ladder, Balance Beam, and Free Rappel-

Caving Ladder- Talk the participant back onto the event, or lower down.

Balance Beam- Talk participant back onto the event, or use etrier to help participant back onto the event.

Free Rappel- If something gets stuck in the figure 8 descender, cut the rappel line at the steel carabiner, and belay the participant down to the ground.

Tower-

-Talk participant back onto the tower and encourage them to continue the climb. If that doesn't work, belay back down.

-f something gets stuck in the figure 8 descender, cut the rappel line at the steel carabiner, and belay the participant down to the ground.

****In ANY COPE event, participants are encouraged but never forced to take part in an activity. Follow the Full Value Contract and Challenge By Choice.****