

Dynamic Rock Adventures Ltd Activity & Building Risk Assessment Version 2023.1

These risk assessments are reviewed annually.
A summary of changes is included below:

2023:

- 1.1 —Minimum age for lead climbing removed. Under 18s still require a competency test
- 1.4 Addition of term "fixtures"
- 1.9 Line 18 reinstated for top rope climbing only.
- 4.2 Minimum age limit removed.

Building 4 Legionella – shower flushing reduced from twice a week to once a week.

2022: Auto-Belay Rescue Plan in Separate Document with instructor training

2021: COVID-19 risk assessment has been made into separate document. Auto-Belay assessment has been made.

2020: 3.0 Added risk assessment for gym equipment.

2019: No Changes

2018: Terminology changed from "registered user" to "unsupervised climber" to match with terms and conditions.

- 1.2-Holds are now pinned in line with route setting procedures.
- 1.4- Fixtures are checked every 6 months.
- 1.9- Line 18 isn't in use anymore.
- 1.11- Non-climbing customers aren't allowed in Belay zone.
- 2.1- Bouldering induction is taken out members now agree to the written rules and terms and conditions.
- 2.3- 20 people max allowed in the bouldering room at any one time.
- 3.2-Minimum age changed to 5 years old

2017: No Changes

2016: Route setting risk assessment updated and made in separate document

2015: 4. Legionella, as additional precaution, showers used and flushed at least twice a week.

7. Car Park Risk Assessment added.

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Prepared by:	Date:	Checked by:	Date:
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RISK ASSESSMENT PROCESS: Likelihood of occurrence x Severity

Likelihood of occurrence

- 1. Highly unlikely to ever occur
- 2. Could occur but very rarely
- 3. Could occur rarely
- 4. Could occur from time to time
- 5. Likely to occur often

Severity of outcome

- 1. Slight inconvenience
- 2. Minor injury requiring first aid
- 3. Medical attention required
- 4. Major injury leading to hospitalisation
- 5. Fatality or serious injury leading to disability.

Hazard = Something that has a potential to cause harm.

Risk = The likelihood that the harm from a particular hazard will be realised.

This risk assessment gives a basic framework of precautions but full details of precautions are recorded in the Written Operating Procedures of the centre.

HAZARD	WHO IS AT RISK	EXISTING PRECAUTIONS	RISK (L x S)	ADDITIONAL PRECAUTIONS
ACTIVITY HAZARDS				
1. CLIMBING WALLS				
1.1 Fall potential before clipping first bolt when leading.	Climbing Customers – Lead Climbers only	Quick draws already placed in hanger. Sensible route setting by appropriately trained staff to provide a good stance at clipping point (See route setting folder for route setting risk assessment) Rubber crumb flooring to provide some shock absorption should climber fall to floor.	3 x 2	Unsupervised climbers over 18 years of age can lead at the centre, or those under 18 years of age who have completed a competency assessment and provided a parental consent form.
1.2 Loose holds – potential to spin and cause climber to fall. N.B. Lead climbers only would have fall potential. Top ropers (i.e. Groups under instruction) would only slip.	Climbing Customers – Lead Climbers only	Route setting to be done by appropriately trained staff. Holds pinned in line with route setting procedures. Regular checking of holds. Loose holds tightened whenever brought to the attention of staff. Signs to make the public aware that 'holds may spin'.	5 x 2	Any loose hold reported to a member of staff will be dealt with as soon as is practicable by an appropriately trained person.

1.3 Cracked/broken holds – potential to fall.	Climbing Customers	Care taken when route setting – any cracked holds removed. Regular checking of holds. Holds bought from recognised manufacturers.	2 x 2	Where possible use holds which have an integrated spring coil which reduces the likelihood of the hold (or pieces of it) becoming detached and falling to floor should it become cracked.
1.4 Wear of fixtures i.e. belay anchors/quick draws/ maillon/bolt hangers.	Climbing Customers	All fixtures checked every 6 months and replaced where necessary (see Fixed Gear checks file for method). All checks recorded.	1 x 5	Maintenance and replacement programme to follow manufacturer's guidelines for all equipment. Quarantine box for storage of equipment removed from service for checking by technical advisor to be deemed fit for use or
1.5 Wear/failure of rope.	Climbing Customers	All ropes checked weekly and replaced where necessary (see rope check file for method). All checks recorded.	1 x 5	retired/destroyed. Care and maintenance of ropes to follow BMC Ropes guide and manufacturers guidelines. Quarantine box for storage of equipment removed from service for checking by technical advisor to be deemed fit for use or retired/destroyed.

1.6 Potential for pulling on quick draws/pinching/ fingers getting stuck.	Climbing Customers	Regular floor walks by staff to observe customer activities. Climbing customers on instructed sessions are briefed on danger.	2 x 3	
1.7 Climber coming into contact with roof beams.	Climbing Customers	Design of wall and lower offs such that potential contact with beams is reduced. Beams padded where potential is higher.	2 x 3	
		Sensible route setting – no crux finishes on routes where a fall/swing could potentially result in contact with the beam.		
1.8 Climber coming into contact with window.	Climbing Customers	Design of wall and lower offs such that potential contact with window is reduced. Sensible route setting.	1 x 1	
1.9 Crack in slab – potential to trap limbs	Climbing Customers	Design of wall to reduce potential for this. All quickdraws have been removed to prevent lead climbing and the possibility of an inversion fall.	2 x 3	No recorded near miss or incidents here. This will be closely monitored.

1.10 Non-climbing customers interfering with lower offs from top of slab wall and staircase wall.	Climbing Customers	Screens to reduce potential for people reaching the lower offs. All top ropes to be threaded through maillons which cannot be undone. Regular floor walks by staff to observe customer activities.	1 x 5	
1.11 Person injured by climbing customer falling - Lead fall - Top roping fall	Climbing Customers	Sensible route setting and spacing of quickdraws. Customers to be competent climbers. All non-climbing customers to remain outside the Belay Zone – Belay zone to be clearly marked. Floor walks by staff to observe customer activities and offer advice if poor belaying is noticed or other unsafe practices.	3 x 2	Place signs on walls to remind customers of hazards and safe practice.
1.12 Belayer error – Lowering to the floor too quickly	Climbing Customers	The registration procedure ensures that the user signs a competency declaration and requires a positive response to their ability to belay. Novices to be supervised at all times by an Unsupervised Climber or Instructor.	4 x 2	Verbal warnings for those that are seen to consistently break the terms and conditions of use and rules.

		Young persons to be under instruction only, unless assessed and registered for unsupervised climbing (this is strictly monitored). Regular staff floor walks to observe customer activities and offer advice if necessary. BMC signs in place to raise awareness of safe belaying.		
1.13 Belayer error - dropping the climber	Climbing Customers	The registration procedure ensures that the user signs a competency declaration and requires a positive response to their ability to belay.	2x5	Verbal warnings for those that are seen to consistently break the terms and conditions of use and rules.
		Novices to be supervised at all times by an Unsupervised Climber or Instructor.		
		Young persons to be under instruction only, unless assessed and registered for unsupervised climbing (this is strictly monitored).		
		Regular staff floor walks to observe customer activities and offer advice if necessary.		

		BMC signs in place to raise awareness of safe belaying.		
1.14 Knot coming undone	Climbing Customers	Registration procedures make users sign competency declaration and requires a positive written response to their ability to attach the rope to the harness using an appropriate knot.	2 x 5	Verbal warnings for those not following terms and conditions of use and rules. In-situ. top ropes for rescue. (See Rescue Procedures)
		BMC 'Check your knot?' signs placed around the centre to remind customers to check their knot before they leave the ground.		
		Novices to be supervised at all times by an Unsupervised Climber or Instructor.		
		Young persons to be under instruction only, unless assessed and registered for unsupervised climbing (this is strictly monitored).		
		Regular staff floor walks to observe customer activities and offer advice if necessary.		
1.15 Wearing of jewellery – Potential for rings, earrings and navel rings to become	Climbing Customers	All customers under instruction will be asked to remove jewellery. If jewellery cannot be removed then tape will be offered to secure	2 x 3	

stuck or get pulled causing injury.		and cover it, to reduce the potential for it getting caught and to raise awareness for the wearer to be careful.		
1.15 Hair getting caught in belay device	Belaying customer	All customers under instruction, with long hair, recommended to tie it back. Regular staff floor walks to observe customer activities and offer advice if necessary.	2 x 1	Hair bands available in reception.
1.16 Lifting heavy sandbags (Sand/weight bags are provided for customer use when there is a significant weight difference between climber and belayer)	Climbing Customers Staff	Regular floor walking by staff. Assistance moving them if necessary.	3 x 2	
1.17 AUTO-BELAY Climbers lowering off on autobelays landing on other participants, customers or Instructors	Customers Staff	All participants read and agree to safety points before using auto belays. Constant monitoring of area around auto belays by supervising instructor(s). Anyone using the auto belay to check landing zone before letting go.	1x2	

		Posters on how to use the auto belay safely. Use of auto belay safety triangles to warm people there are people using the auto belays.		
1.18 AUTO-BELAY Climber becoming stuck e.g. because of autobelay jamming or becoming hooked up on a hold	Customers	Instructor to take control of the situation and implement an intervention. All Instructors to receive intervention and rescue training.	2x2	
1.19 AUTO-BELAY Items falling out of climbers pockets.	Customers	Participants asked to empty pockets of any objects before climbing. Posters on how to use auto belay.	2x4	
1.20 AUTO-BELAY Climber setting off with incorrectly fitted harness. or incorrectly attached to autobelay/rope	Customers	Strict policy of instructors ensuring every supervised group member/climber is "buddy checked" before leaving the ground on each climb. Instructors to brief all supervised climbers that they have to check with them before climbing. Unsupervised climbers should meet minimum entry requirements and	1x5	

		agreed they can properly fit a sit harness and attach themselves.		
1.21 AUTO-BELAY Climber setting off on route without clipping into autobelay.	Customers	Use of auto-belay safety triangles to make this practically very difficult. Route Setters placing foot holds behind the safety triangle. Strict policy of instructors ensuring every supervised group member/climber is properly checked before leaving the ground on each climb. Instructors to brief all supervised climbers that they have to check with them before climbing. Posters showing how to properly attach yourself to the auto belay. Customers are urged to test the auto belay and connections at a low level before climbing to the top. Instructor to take control of the situation and implement an intervention. All Instructors to receive intervention and rescue training.	1x5	

2. BOULDERING WALLS				
2.1 Low point on underside of arch on bouldering wall - potential for people to	Customers Staff	Registration procedure makes sure the user signs to agree to the rules and hazards of the bouldering room.	1 x 2	
walk into it.		Registration procedure requires user to positively agree and understand that matting and protective flooring do not remove the risk of an injury.		
2.2 Crack feature on left wall of bouldering room -	Climbing Customers	Design of wall to reduce potential for this.	1 x 2	
potential to trap limbs.		Sensible route setting.		
		Regular floor walking by staff to ensure safe use of bouldering wall by customers.		
		Hazard explained in bouldering rules and hazards.		
2.3 Falling person hitting others.	Customers, staff and spectators	Sign to warn people of the dangers of sitting on the crash mats underneath bouldering wall/climbers.	5 x 4	

		Bouldering room floor fully covered by crash mats to reduce injury to falling climbers. Floor walks by staff to observe customer activities and offer advice.		
		Hazard explained in terms and conditions. Mirror placed on opposite wall so that those passing under the archway can look in the mirror first to check that no one is climbing on the other side of the arch that may fall or jump off as they pass underneath. Max 20 people in the bouldering room at once.		
2.4 Trip hazard on entering bouldering room or on bouldering mats.	Customers, staff and spectators	Bouldering mat to have continuous carpeted cover to reduce trip hazards caused by joins/gaps in mats.	2 x 1	

3. GYM EQUIPMENT				
3.1 General Area -Safe use of Gym area	Customers	Posters and Signs Stating below: Be aware of all changes of floor levels in the bouldering and training room. No bags or belongings are allowed in the training area, these must be kept in the main hall or any bag storage area and they are left at your own risk. Read all equipment posters before you use any of the equipment in the training area, follow all best practices. Watch out for other users of the training and bouldering room and respect them.	2 x 2	Verbal warnings for those not following terms and conditions of use and rules Signs and Posters through-out the Gym area reminding customers of the Hazards.
3.2 Gymnastic Rings	Customers	Posters and Signs Stating below: The rings are not to be used to perform any form	2x3	Verbal warnings for those not following terms and conditions of use and rules

 Customers Misusing the Rings Using Rings to hang upside down Using rings not for intended purpose 		of gymnastics or acrobatics at any time. The rings must not be used to hang upside down by either your hands or your feet. The rings are to be used only for the purpose of upper body strength training		
3.3 Pull Up and Triceps dip station -Misuse of Equipment	Customers	Posters and Signs stating how to use the equipment.	2x2	Verbal warnings for those not following terms and conditions of use and rules
3.4 Cycling Machine -Misuse of Equipment	Customers	Posters and Signs stating how to use the equipment.	2x2	Verbal warnings for those not following terms and conditions of use and rules
3.5 TRX	Customers	Posters and Signs stating how to use the equipment.	2x2	Verbal warnings for those not following terms and conditions of use and rules

4. OTHER USERS				
4.1 Novices – safe use of centre.	Customers	All novices to be supervised by a competent Unsupervised Climber or a Instructor.	3 x 3	Verbal warnings for those not abiding by terms and conditions
		Requirement of Unsupervised Climber to sign to take responsibility for supervised user.		of use and rules.
		All users to be made aware of terms and conditions of use and rules.		
		Signs around centre to raise awareness of safe belaying, checking knots etc.		
		Regular floor walks by staff to observe customer activities and offer advice if necessary.		
4.2 Junior users; Under 14 years old – safe use of centre.	Customers	There is no minimum age for climbing, however it is important that the safety harness (and helmet where appropriate) fits the size of the child.	3 x 3	
		All users aged under 14 years old must be constantly supervised by a competent Unsupervised Climber or an Instructor.		

		Users aged 15 to 17 must be constantly supervised by a competent Unsupervised Climber or an Instructor, unless assessed and registered for unsupervised climbing (this is strictly monitored). Floor walks by staff to observe customer activities and take immediate action if young people are seen to be unsupervised or not properly supervised.		
4.3 Junior users; 14-15 years – safe use of centre.	Customers	In most cases all users under 18 years old must be constantly supervised by a competent, unsupervised climber or an instructor. However, in special cases where there is an experienced and competent junior, procedures allow for 14 and 15 year olds to hold a junior membership for bouldering and top roping only. Junior registration procedure must be followed – including parental site visit and signed consent form and competency assessment to be carried out by an appropriately trained, responsible member of	3 x 3	Verbal warnings leading to revocation of junior membership if terms and conditions of use and rules are consistently broken.

4.4 Invaion voorant 40.47	Customore.	staff. All Junior memberships must be agreed by duty manager. Floor walks by staff to observe customer activities.	2 2	Vanla di vuo main ara
4.4 Junior users; 16-17 years old – safe use of centre.	Customers	In most cases all users under 18 years old must be constantly supervised by a competent, unsupervised or an instructor. However, in special cases where there is an experienced and competent junior, procedures allow for 16 and 17 year olds to hold a junior membership. Junior registration procedure must be followed – including signed parental consent form and competency assessment to be carried out by an appropriately trained, responsible member of staff. All Junior memberships must be agreed by the duty manager. Floor walks by staff to observe customer activities.	3 x 3	Verbal warnings leading to revocation of junior membership if terms and conditions of use and rules are constantly broken.
4.5 Group users – safe use of centre.	Customers	All groups will be supervised by a registered instructor or a centre instructor. Instructors are not permitted to climb whilst supervising their group	2 x 5	Verbal warnings leading to revocation of instructor registration if terms and conditions of use

		in order to ensure that their group is properly supervised at all times. Floor walks by staff to observe customer activities.		and rules are consistently broken.
5. SPECIAL EVENTS				
Special events which do not fall under the Centres' normal operating procedure.	Staff and customers	Special events require a specific risk assessment to be produced where appropriate.	Unknown	

6. CENTRE MAINTENANCE				
6.1 Work behind walls – Potential fall hazard Cuts from sharp objects.	Staff	Use of ropes/helmets for safety where appropriate Manager to approve access and who does the work. Hand rails/ in situ behind wall, where appropriate so anyone working behind wall can secure themselves.	1 x 5 5 x 2	Further PPE provision if required e.g. gloves, eye protection, masks and protective clothing.
6.2 Structural work on walls – fall hazard - dropping of objects.	Staff, subcontractors customers	Work to be undertaken by approved, competent staff or subcontractors. Cordon off work area. Helmets to be worn by all in work area.	1 x 5 2 x 5	Work to be carried out whilst centre closed whenever possible. Structural work planned and appropriate equipment used.
6.3 Replacement of suspended lights – fall hazard/falling object	Staff, customers and subcontractors	All work to be undertaken by appropriate subcontractor.	3 x 5	Work to be carried out whilst centre is closed to the public.

hazard/potential electrocution.				
6.4 Use of ladders - not	Staff	Used by trained staff only.	2 x 4	
route setting.		Placed on flat surface and secured or held by another person.		
6.5 Cleaning of floors – slip potential.	Staff and customers	Non slip flooring has been used in most public areas within the centre.	3 x 2	
		Cleaning to be done whilst closed or quiet where possible.		
		Any areas that have been cleaned to be identified with appropriate signs to warn of slip hazard and floors dried if necessary.		
6.6 Dangerous chemicals – spillage, burn, eye	Staff	Store all products in lockable cupboard.	2 x 3	COSHH information kept in COSHH file.
contact		All chemicals to be kept in original packaging/bottles so that information labels remain.		
		Use of appropriate protective clothing/equipment.		
		Appropriate training for staff.		

6.7 Heavy Lifting – Buckets of holds, stacked chairs, tables, deliveries.	Staff	Hold buckets not to be overloaded. Staff to seek assistance to lift them if necessary. Chairs and tables to be lifted with assistance or stacked chairs maximum of 3. Deliveries to be checked for weight before being moved with assistance if necessary.	3 x 3	Staff trained in manual handling.
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7 FIRE				
7.1 Fire	Staff and customers	Enforce no smoking policy in building. Appropriate maintenance of building and equipment. Staff trained in how to raise fire alarm, evacuation procedures and use of fire fighting equipment. Upkeep of fire fighting equipment/fire alarms/break glass points. All checks to be recorded. Staff vigilance.	1 x 4	See Fire Risk Assessment

BUILDING RISK ASSESSMENT FOR DYNAMIC ROCK ADVENTURES

Prepared by:	Date: Updated	Checked by:	Date:
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RISK

ASSESSMENT PROCESS: Likelihood of occurrence x severity

Likelihood of occurrence

- 1. Highly unlikely to ever occur
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Hazard = Something that has a potential to cause harm.

Risk = The likelihood that the harm from a particular hazard will be realised.

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HAZARD	WHO IS AT RISK	EXISTING PRECAUTIONS	RISK (L x S)	ADDITIONAL PRECAUTIONS
BUILDING HAZARDS				
1. FIRE	Staff and Customers	Identification of possible sources of ignition (such as electricity) and appropriate management of them.	1 X 4	Fire detection and alarm system to be tested annually.
		No Smoking policy enforced.		
		Weekly check of fire alarm and detection system, and fire fighting equipment – recorded in Fire Equipment Log Book.		Fire fighting equipment to be checked annually.
		Good 'house-keeping' – i.e. bins emptied on a regular basis, stairs and evacuation routes kept clear, deliveries well managed so stock is put away promptly etc.		Familiarity and adherence to the Fire Precautions (Work Place) Regulations 1999.
		Staff trained in how to raise fire alarm, evacuation procedures and use of fire fighting equipment.		
		Written evacuation procedures.		
		Signage and emergency lighting to highlight evacuation routes.		
		Fire exits checked daily for obstructions.		

2. ELECTRICITY	Staff and Customers	All appliances P.A.T tested (Portable appliance Testing) by a suitably qualified person – testing to be carried out annually and test to be recorded.	1 X 3	Familiarity and adherence to the Electricity at Work Regulations 1989.
		Ensure all appliances purchased meet C.C.E Regulations.		
		Electricity cables, conduits and sockets are installed by qualified contractors.		
		All electrical appliances, supplies and sockets, to be visually inspected weekly for wear and tear.		
3. COSHH	Staff and Customers	Staff training in safe and appropriate use of cleaning substances. Provision of PPE.	1 X 2	Data sheets and information in COSHH file. If required training in COSHH by approved providers.
		All cleaning equipment to be kept in a locked cupboard.		
		All substances to be kept in original containers where possible and always appropriately labelled.		p. c. radio.
		Appropriate substances used for jobs.		
4. LEGIONELLA	Staff and Customers	Flush routine of showers to be incorporated into cleaning rota to prevent build-up of stagnant water when showers are used infrequently.	1 X 3	Showers used and flushed at least once a week.

5. KITCHEN	Staff and Customers	 Good 'House Keeping' Always mop up spills Stock put away quickly and in the appropriate places. Floors kept clear of boxes, cables and other hazards. Cleaning routines maintained. Knives used carefully and put away appropriately. Care taken when using hot water. Care taken when using cleaning sprays. 	2 X 3	Staff training.
Stairs slippery when wet.	Staff and Customers	All obstacles to be immediately removed from high transit areas. Anti-slip flooring in public areas and areas that may get wet. Centre to be well lit. Changes in floor level (steps) to be highlighted. Verbal warning/Signage to warn that "stairs may become slippery", when wet. Stairs dried if necessary.	2 X 2	

7. Car Park	Staff and		2 x 3	
	Customers		- A 0	
Slips and Trips		Lighting in the car park. Holes filled in as required. Reporting trip hazards to		Signs being put in place.
		manager to be dealt with.		Loose Gravel to be swept up where needed
Struck by vehicle		Children to be supervised at all times while in car park. Customers to remain extra cautious while moving/entering in car park.		and when possible and when time allows by staff.
Holes/ Damaged Surfaces		Pot holes and damaged surfaces to be monitored. Pot holes to be filled in as required.		Car park to be resurfaced when funds are available.