



CLIMBING ATTRACTIONS

Owner/Operator Manual

CLIMBING ATTRACTIONS MANUAL

TABLE OF CONTENTS.

3	Overview
3	Structure & Use
4	Capacity
5	Key Terminology
7	Climber Experience
7	Sequence & Timing
7	Pre-Climb Briefing
10	Personal Protective Equipment
13	Staffing & Management
14	Rescues
16	Signage & Patron Education
16	Inspection & Maintenance
20	Walking Sticks
22	Rubik's Cube Climb
24	Face-Off Wall
26	Cargo Climb
28	Cleaning
29	Annual Belay Servicing
30	Conclusion
31-36	Appendix A - Daily Inspection Charts
37-40	Appendix B - Exploded Views

↑ Overview

This manual contains proper operational procedures which ensure the safest and most enjoyable experience for customers and employees. The following information is for the purpose and intent to provide owners and operators with operational procedures and maintenance recommendations that will facilitate top performance of the equipment, as well as longevity of the product. Your attraction is constructed by following the specified procedures* and using quality materials, all in compliance with the ASTM standards. **This manual covers the current Fun Spot® manufactured climbing attractions: Face-Off Wall, Rubik's Cube Climb, Walking Sticks, and the Cargo Climb.**

Safety is always a major concern at Fun Spot®. Please review the training safety questionnaire in the back of this manual. Every owner and operator should read this manual thoroughly and complete the questionnaire (this includes anyone who will operate this attraction). Most answers to your questions are found throughout this manual; or you can contact Fun Spot® directly at **+1 (706) 376 8989.**

A Fun Spot® professional installer will manage installation and test the climbing attraction(s). Your personnel should receive operational training during your Fun Spot® provided installation time.

MANUFACTURER'S NOTE: According to ASTM F2970-17, Section 14.2 - all owners/operators must notify the manufacturer of all major incidents that occur at this attraction. Any patterns of repeated major incidents should also be reported.

↔ Structure & Use

Fun Spot® climbing attractions combine various climbing elements that will test the strength and endurance of climbers of all skill levels and ages. On a Fun Spot® climbing attraction, participants can attempt to race, balance, climb, and scale a variety of unique challenges. Each of these experiences will require climbers to wear a safety harness, as well as remain secured by an automatic belay system located on each climbing attraction. Each park is responsible for providing well-trained staff to assist climbers in proper use of the belays and equipment.

This manual features instructions for operations and use of the current climbing attractions offered by Fun Spot®, including the **Face-Off Wall**, **Rubik's Cube Climb**, **Walking Sticks**, and the **Cargo Climb**. Fun Spot® installers are trained to follow instructions to specific details in the installation process, so maintaining the use of these attractions with their designed purpose is crucial for structure integrity and longevity. Misuse of the structure's features could compromise safety; therefore, **managerial training during the installation is critical** (see Inspection & Maintenance section on page 18).

⊗ Capacity

The capacities of the climbing attractions are determined by the **number of belays*** in the climbing area: simply multiply the number of belays in the facility by two to determine the total capacity. This total amount is the max capacity of climbers allowed in the climbing-attraction area. In facilities that feature attractions other than climbing, the climbing max capacity should be added to the facility total max capacity.

Capacity Example: A park contains a climbing zone featuring a few climbing attractions with a total of eight belays. Eight (8) multiplied by two is sixteen (16), therefore the capacity of the climbing zone is sixteen (16). Sixteen people may participate in the climbing attraction at one time, and sixteen is also included in the total park capacity.

*In some cases landing areas for belays may overlap, reducing the number of belays that can be used at one time. Count the number of belays that can be used simultaneously, then multiply by two to determine climbing capacity.

The minimum weight limit for a climber is 30 lbs. and the maximum weight limit is 300 lbs. Climbers outside of these limits could cause the automatic belay system to malfunction. These weight restrictions should always be communicated to climbers before their transaction is complete.

For more information regarding usage of theSee the TruBlue Automatic Belay Operations Manuals at the following links:

https://headrushtech.com/collateral/manuals/TRUBLUE-Manual_headrushtech.pdf
[https://headrushtech.com/collateral/manuals/Universal-Mount_Manual_headrushtech.p
df](https://headrushtech.com/collateral/manuals/Universal-Mount_Manual_headrushtech.pdf)

***MANUFACTURER'S NOTE:** The Climbing Attractions are intended to be permanent structures. Assembly and dismantling of these attractions should be done by a professional Fun Spot® installer only.

Court Attendants

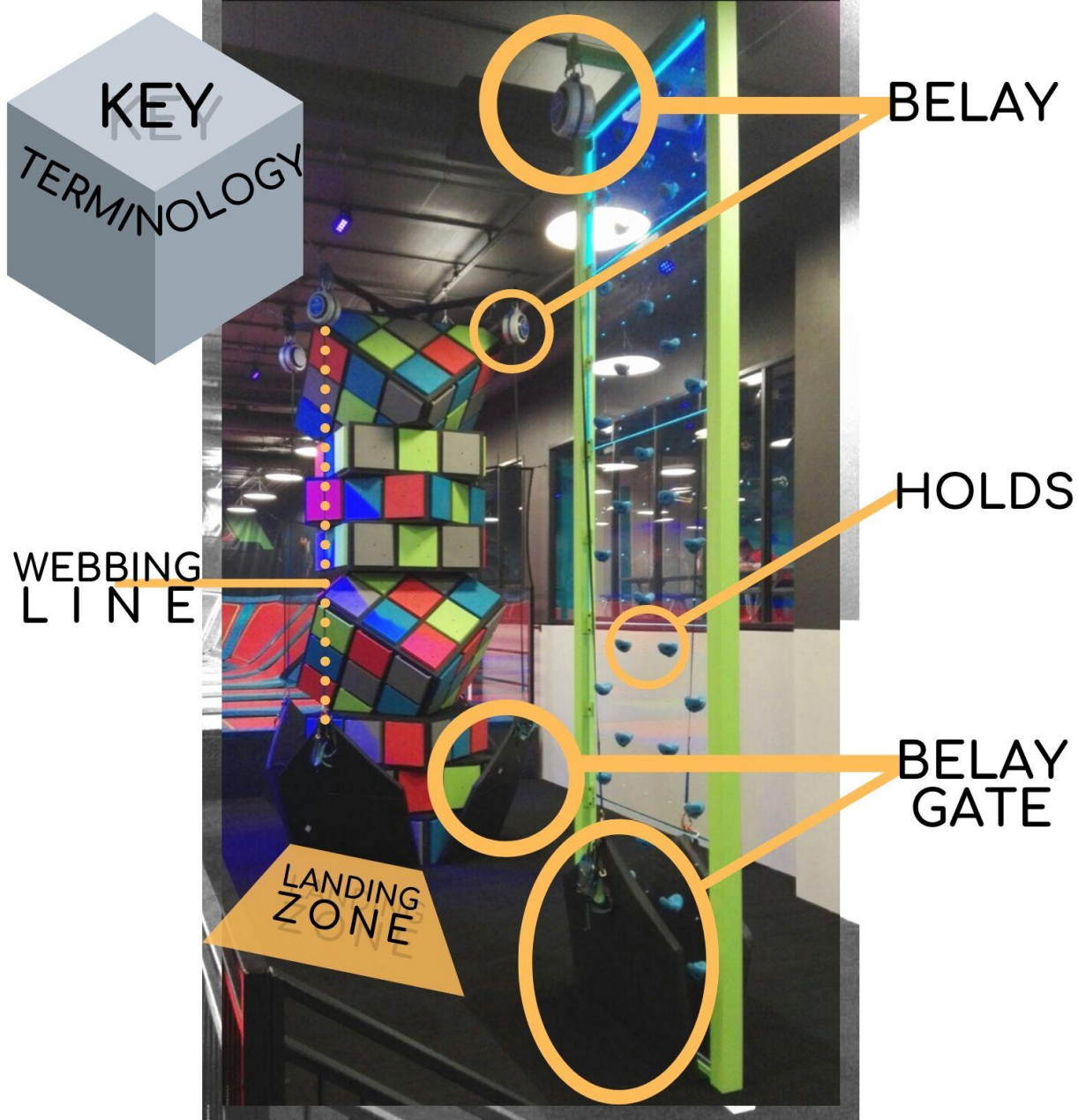
Out of all of the roles in a trampoline park, the **Court Attendant** has the most interactive and dynamic role. Upon first glance, one might presume they are the “lifeguards” of the courts - but they are far more. Instead of being stationed off to the side, observing and engaging only when someone breaks a rule or requires assistance, they are part of the park’s high-energy atmosphere. This role is exciting, fun, and rewarding! Court Attendants keep the courts safe and actively contribute to the fast-paced experience.

Since each Court Attendant is a point-person for the facility, they need to always be in uniform and **easy to recognize** by any customer. The park’s shirt is required for each shift, as well as proper shorts/pants and shoes according to the dress code laid out by the managers. Court Attendants cannot wear excessive jewelry, large earrings/bracelets/necklaces, or studded belts in case they must enter the court to help someone.

*All Court Attendants should be trained according to industry standards and practices. For a comprehensive staff training concerning the role of the Court Attendant, please refer to the **Fun Spot® Training Program** and the **Court Attendant Manual**.*

Key Terminology

Since employees will be monitoring the equipment as well as the active guests and spectators, all employees should become familiar with the terminology of the equipment as well as the proper usage for each part. The following key terms will be used throughout the remainder of this manual.



- **BELAY/AUTOMATIC BELAY:** A device that automatically takes up “slack” as climbers ascend, and lowers climbers at a controlled pace during their descent.
- **BELAY GATE:** The vinyl triangle with a silver loop located at the bottom of each wall. It secures the automatic belay when no one is climbing on the wall and keeps unharnessed guests from climbing.
- **HOLDS:** The shaped grip that is attached to the wall that climbers utilize for foot and hand stability as they ascend.
- **WEBBING LINE:** The line that comes through the belay’s bottom nozzle with a carabiner clip on the opposite end to attach the climber’s harness to the automatic belay system.
- **LANDING ZONE:** Area at the bottom of each climbing feature where a climber may land when they descend the wall.

The Climber Experience

Two factors can make a major difference in the quality of the climbing experience: **Sequence/Timing** and the **Pre-climb Briefing**.

Sequence & Timing >>>>>>

The process for participating in climbing attractions can be broken down into three steps:

- 1. TIMING:** Climbers should arrive 30 minutes before their scheduled climbing session. This allows plenty of time for the check-in process and to receive a proper briefing before the climb begins. The Pre-Climb Briefing should begin 15 minutes prior to the start of their scheduled climb time.
- 2. PRE-CLIMB BRIEFING:** During the 15-minute Pre-Climb Briefing, climbers will be instructed on safety guidelines and how to use the equipment. Climbers will also be fitted with harnesses. For more information on the Pre-Climb Briefing, please refer to the following section.
- 3. PREPARATION PHASE:** Following the briefing, climbers will officially enter the climbing area to begin their session. Staff will begin to assist climbers with connecting to belays so they can begin their climbing adventure.

Pre-Climb Briefing: <<<<<<

The Pre-Climb Briefing is a crucial orientation to the climbing experience. The briefing teaches climbers how to use the equipment, produces familiarity with the climbing area, and expounds on the rules of the attractions. Every Pre-Climb Briefing, regardless of session size, should be conducted in a way to ensure clear communication (i.e. microphone, megaphone, etc.), with consistent engagement and an interactive series of demonstrations. An engaging briefing ensures clear delivery of instructions and the full attention of climbers. It is important to note that parents of climbing children should always be briefed as well since they will frequently assist with harnessing younger kids.

The Pre-Climb Briefing consists of the following:

1. **INTRODUCTION** While climbers arrive for the briefing, the staff member checks stickers/wristbands/climb passes and verifies the suitability of the customers' shoes and attire. If a climber does not have closed-toe shoes suitable for climbing, they may wear trampoline socks, though shoes are strongly recommended.

Parents should be encouraged to join the group before starting the briefing, especially for young kids who may have trouble getting into their harnesses without help. Remind parents that unless they are also climbing and harnessed, they will be watching from outside the climbing attractions area.

2. **RULES & REMINDERS** Staff members giving a briefing should be thorough in patron education and ensure that all guests understand the expectations of the park and staff to safely use the equipment:
 - a. All climbers must be wearing closed-toed shoes. Open-toed, steel-toed, or shoes with heels must be removed. Climbers can wear trampoline socks, though not recommended.
 - b. Climbers must remove any scarves, necklaces, large/dangling earrings, hand jewelry, and other loose clothing or jewelry to prevent interference with the harness or belay systems, or get caught on the holds (with the exception of wedding rings).
 - c. Climbers should remove items from their pockets (including cell phones, loose change, etc.) before beginning any ascent up a climbing attraction.
 - d. All participants and guests must never run in the climbing area.
 - e. When climbers are observing and not climbing, they must stand outside of landing zones and away from Belay Gates.
 - f. Climbers should be aware of others - including to the side, above, and beneath.
 - g. Climbers must not hold onto or pull down on the webbing (or rope) while climbing.
 - h. Climbers must not swing during their descent.
 - i. When leaving the climbing attractions area, climbers should remove the harness and have it checked upon re-entry.

Staff should also provide the location of drinking fountains and restrooms and remind climbers of weight limitations (minimum, 30 lbs. / maximum, 300 lbs.).

3. **PROVIDE AND DEMONSTRATE THE HARNESES** Before providing a harness to a climber, determine proper sizing and ensure that the harness straps are not twisted. **Smaller climbers with narrow hips may require a shoulder strap attachment to secure them in the event of inversion.** Every harness must be inspected before a guest attempts a climb. These steps should always be followed when assisting a guest with a harness (see pictures A, B, & C on following page):

- A. Lay a harness down in front of the climber so they can easily step into it and pull it up & over their clothes.
- B. Tighten the waist belt above the hip bones, ensuring the carabiner loop is at belly-button height. Only one finger should fit between the waist belt and body. If more fingers fit, the waist belt should be tightened. If it is too difficult to tighten the waistband on some climbers, a full-body harness may be used instead of a seat/regular harness.
- C. After the waist straps, tighten the leg straps so that they are snug against the legs but still loose enough to allow movement.

4. **EXPLAIN THE BELAYS AND PRACTICE DESCENTS** Explain the automatic belay and how it clips to the gate at the bottom of the wall and to the harness. Staff members should be the only ones who clip and unclip belays - unless an additional system such as Belay Mate (see pg. 13) is being used. Climbers should be informed to raise their hands when they need assistance with a belay. Instruct climbers to look down to see if anyone is beneath them before their descent begins. If someone is in the way, climbers should call out "Look out below!" (Have the climbers repeat.) To properly descend, climbers should face the wall, sit into the harness, and push away from the wall with their feet while they hold onto the webbing line with both hands. As they descend they will need to gently kick away from the wall a few times until they land. **Ask the climbers to verify they understand the carabiner clips, webbing line, and other key terms before their climb begins.** For more information on the **practice descent**, see pg. 14.

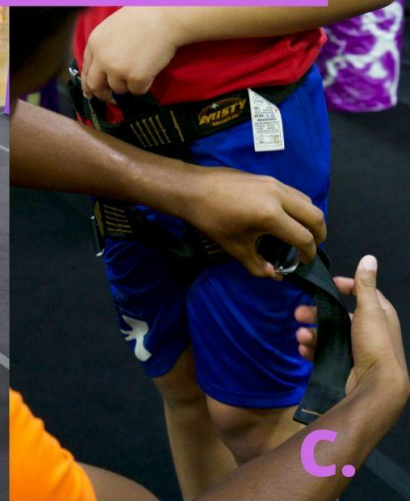
PERSONAL PROTECTIVE EQUIPMENT



A.



B.



C.



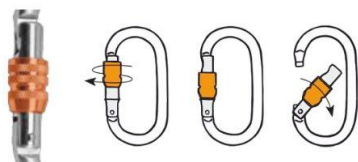
Child Seat Harness



Child Full-Body Harness



Adult Seat Harness



Twist & Slide Locking Carabiner

- ➡ Swivel Connector permanently attached to the climber's harness
- ➡ Ground Anchor permanently attached to safety Mat at the bottom of each climb



Belay Mate Device (optional)



Personal Protective Equipment (PPE)

It is recommended for all owners and operators to carefully read the owner's manuals for the belays, harnesses, and helmets that will be used in the park. Owners and operators **must understand proper use of the PPE**. The equipment brand and styles may vary depending on industry-standard recommendations. Personal protective equipment can be provided by Fun Spot, as well as other reputable climbing equipment vendors. In most cases, warranties are dependent on manufacturer recommendations, therefore the manuals for third-party products such as harnesses and belays should be understood by owners and operators before any park opening.

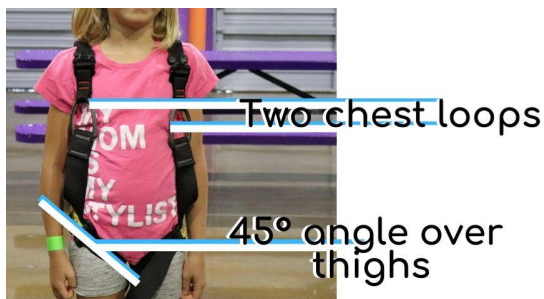
The annual servicing for the belay (see pg. 27) should also be reviewed and understood during the installation. The installation period is a perfect time to understand how to replace belays, holds, or any features that will need servicing. Safety practices and manufacturer recommendations for Carabiner clips and/or self-clipping safety features (such as the Belay Mate) should also be reviewed and fully understood by all owners and operating staff.

CHECKING & ADJUSTING HARNESSSES Each harness must be checked by a trained staff member prior to climbing. In the event a participant removes a harness to leave the area, it must be checked again before the climber may resume climbing. Remember these practical points for a safe and appropriate checking/adjusting of harnesses:

- ❑ **Ask** the climber to step into the harness and pull it to waist level prior to making adjustments.
- ❑ **Ask** if you may adjust a climber's harness before touching the climber or attempting an adjustment.
- ❑ While making an adjustment or checking a harness, **explain** the steps during the process.
- ❑ Keep the focus on the equipment by squatting down so that the part of the harness that needs to be adjusted is at **eye level**.
- ❑ Do not ever reach across the climber's body to make an adjustment - **move** to the side of the body where the harness needs to be adjusted.

FULL-BODY HARNESSSES Full-body harnesses may be required over a seat harness, and can be safely fitted following these steps (also pictured in **seven** steps on the following page):

1. Find the elastic band on the back of the harness and lay the harness on the ground with the label facing up.
 - a. Ask the climber if you may assist them to get into the harness.
2. Ask the climber to place their feet into the leg loops.
3. Help them pull up the harness (like pulling up a pair of pants) and put the shoulder straps on, like a backpack.
4. Ensure there are no twists in the leg loops or arm loops.
5. Tighten the leg loops first. The leg loops should be secure but not restrict any movement.
6. Make certain the leg loops are at a 45-degree (45°) angle coming up from the inner thighs toward the hips and not tightened straight across the thighs.
 - a. If applicable, thread the strap through the buckle to cover the red “danger” portion of the buckle on each leg loop.
7. Adjust the shoulder straps to a level where the two loops at the front of the harness come together directly below the chest. A carabiner must go through both loops on this harness. (See pictures below.)
 - a. If applicable, thread each shoulder strap through the buckle to cover the red “danger” portion of the buckle. Confirm all four buckles are secure and do not show any red on the buckles.



Please note: Child full-body harnesses function in the same manner, but the buckles do not open to expose the red “danger” portion of the buckle.

Children under 8 years old or weighing less than 66 lbs. should wear a child's full-body harness. Any child over eight years old and weighing more than 66 lbs. should wear a regular harness of the appropriate size.



Helmets may be required for certain guests with special needs, so consistently maintain an inventory of both adult and child helmet sizes. Your PPE can be provided by Fun Spot or purchased through a reputable climbing equipment vendor.

Another safety mechanism, the **Belay Mate**, may be included for additional security - and also to allow more freedom for the guests. The Belay Mate is a connector device that replaces a sole carabiner for connecting the guest's harness to the webbing line. The locking mechanism allows for the guest to connect themselves to a belay without the assistance of a staff member. The Belay Mate features a gate key to connect from the side (that is always attached to the Belay Gate) and a harness key that engages the lock/unlock mechanism from the bottom of the Belay Mate (see pictured on the bottom of pg. 10).

Staffing & Management

Throughout the hours of operation, the staff member providing the pre-climb briefing will also escort the climbers into the climbing attractions area. As they enter the staff will also check the harness on each climber.

Before any new climbers enter a loading zone or climbing area, staff members should already be positioned at all elements with belays. These elements may not be open unless a staff member is stationed in that area to assist climbers. Staff members should be evenly positioned so that all belays have coverage. **The staff to belay ratio is 1:6 for sole carabiners and 1:8 with belays featuring Belay Mate, and should not be exceeded.** Without Belay Mate, staff members will need to assist climbers when they clip and unclip from belays using the Carabiner key. It is also extremely important that all staff members in the climbing area have the ability to see the climbers in their designated zone and to get to them quickly.

As climbers begin their session, any **new climbers** should first attempt a **practice descent**. This requires a guest to climb to a height around **two times (2x)** their body-height and then drop from the attraction to practice descending with an automatic belay. This can help new climbers get comfortable with how a belay catches during a descent. It is important to learn this at a lower height.

Just like monitoring a court, staff members will engage with the climbers **during the entire experience**. It is important for staff to **build rapport** with each wave of new climbers. While friendly interchange is encouraged, staff members should never push a guest to go higher. Staff should only encourage the climbers to **only go as high as they want** - the goal is to just have fun!

RESCUES!

At least one manager, lead, or staff member trained in rescue techniques should be present, harnessed, and directly available to engage in any climbing features should an emergency occur, or a rescue is required. Rescues are, in most cases, a panicked climber who is afraid to let go,

climb down, or perhaps even look down. A staff member should consider these aspects of a rescue:

- **Stay calm** and smiling. They will need you to be confident and kind while they are feeling afraid.
 - Because of how fear can affect the processes of the mind, it is important to speak to any panicked climbers with only **simple phrases** and directions.
 - If a nearby belay is available, a staff member can clip in and **demonstrate** the safety of the automatic belay to the fearful climber.
 - Give simple cues to follow, with **one step at a time**.
- NOTE:** Rescue EAPs (Emergency Action Plans) should be generated by owners and operators. The EAPs should include **designated roles, responsibilities, codes and terminology**. The EAPs should be practiced at least twice a year (every other quarter).

MANUFACTURER'S NOTE: Should a climber remain on a wall for longer than a few minutes, a ladder may be utilized for an exit. The staff member performing the rescue should connect their own harness to a neighboring belay before ascending. If a belay needs to be disengaged when transitioning from wall to ladder, a Carabiner key or Belay Gate key would be required. If applicable, the rescuer should also bring an additional neighboring/adjacent belay line to connect to the guest's harness before descending down the ladder.

Responsibilities >>>>>>

Staff members and managers must be comfortable and capable of climbing all of the elements within the park during a shift, should any urgent need occur. Staff should take personal time to build their skill on each feature if they are not already proficient. Only staff members who have been trained to operate climbing attractions and who are comfortable climbing the attractions should be assigned to the climbing elements in the park. Additional climbing training/certification provided by professional climbers associations is recommended for management and lead staff.

For additional information about Court Attendant training and requirements, please refer to the Fun Spot® Court Attendant Manual and the Fun Spot Academy.

Calculating Staff <<<<<<

A ratio of one staff member to every six belay points (or one to eight with Belay Mate) must be maintained, with the exception of custom elements needing direct/one-on-one supervision. This ratio is according to manufacturer and industry-recommended practices. The number of staff members needed to supervise the climbing attractions may be adjusted during off-peak hours. In addition, since off-peak hours generally imply less staff, it may be advantageous to keep the elements that require direct supervision closed until the appropriate number of employees are present.

1. Count the number of attractions that require direct/one-on-one supervision. You will need that number of staff members assigned as part of your total.
2. Subtract the number of belay points attached to direct supervision elements (such as Walking Sticks) from the total number of belay points.
3. Divide the total from Step 2 by six, then round to the nearest whole number.
4. Add the belay points from Step 1 to the number from Step 3. This is the amount of staff required during a regular business day shift.

An **Example** would be:

- ❑ You have customized Walking Sticks in your park = 1 Staff Member direct supervision.
- ❑ You have 12 total belay points in your park. Subtract the 2 belay points from the Walking Sticks. That equals 10 belay points.
- ❑ Divide the 10 belay points by 6 = 1.66. Round to nearest whole number, which becomes 2 Staff Members.
- ❑ Add totals from Steps 1 + 3.
 $1 + 2 = 3$. Therefore three (3) total staff members are needed for supervision in the climbing area.



Signage & Patron Education

Safety signs should always be an educational tool for the customers. Safety signs should always be clearly displayed at eye level, and in a contrasting appearance so they stand out. Rules signage should be placed near the entrance to Fun Spot® climbing attractions. The following rules should be made clear, accessible, and legible:

ALWAYS:

- ☐ Announce yourself to staff members when you are ready to be clipped in and out of the belay.
- ☐ Let staff members clip you in and out from a belay.
- ☐ If you are in need of help, please raise your hand.
- ☐ Be aware of others climbing around you.
- ☐ To descend after a climb, face the wall, sit into the harness and push off the wall with your feet while holding on to the rope with both hands.
- ☐ When waiting your turn, stand outside of landing zones.

DO NOT:

- ☐ Climb unless you are wearing a harness.
- ☐ Clip or unclip your own belay.
- ☐ Operate any of the belays or activities without help from a staff member.
- ☐ Stand in, or run through, landing zones.
- ☐ Hold on to the wall while coming down.
- ☐ Hang upside down.

WARNING! Impact, flipping, climbing, and other activities can result in serious or fatal head injury, paralysis, fracture, and serious injury. Be responsible and participate at your own risk. Non-compliance may result in the loss of your paid activity ticket.

- Do not attempt any skill or activity outside your own limitations, abilities, or skill level. Use involves inherent risk. Participate with extreme caution at your own risk.
- Do not participate if you have any health limitations, had recent surgeries, are under the influence of drugs or alcohol, or if you are

pregnant.

- Failure to follow the rules and guidelines may result in serious injury or death.

GUEST RESPONSIBILITY Everyone that enters a court or activity zone must have completed a valid liability waiver. Those under the age of 18 must have the form completed and signed by a parent, legal guardian, or someone with legal power of attorney. Prior to participation, all guests and accompanying adults assume full responsibility to ensure that:

- ❑ All waivers are properly executed.
- ❑ Everyone has reviewed the rules and viewed the safety video (if applicable).
- ❑ Everyone must have a valid jump/activity ticket before entering any activity zone.
- ❑ Guests and accompanying adults must completely understand and agree to follow all rules and staff member instructions.
- ❑ Everyone is in good health without any restrictions.
- ❑ Every guest and participant must be aware of those around them. Activities may involve individuals of different sizes, ages, and abilities; guest participation is at their own risk.
- ❑ Guests and accompanying adults assume full responsibility for their actions and conduct.
- ❑ Guests and accompanying adults should also assume full responsibility of their own personal property, including, but not limited to, cameras, cell phones, shoes, handbags/purses, etc.
- ❑ Staff members reserve the right to relocate guests and accompanying adults to a different area at any time.

✖ Inspection & Maintenance

All operators should refer to the Fun Spot® Inspection Sheets, training material, and Maintenance Manual/Visual Aide for additional inspection and maintenance tips and manufacturer recommendations. Though some maintenance and inspection requirements will vary between attractions, there are some universal daily and weekly inspection requirements:

1. **Base & Anchor Posts** Carefully examine the areas that anchor the

climbing structure and ensure they are secure, no loose bolts, or missing hardware.

2. **Structural Frame** Examine the frame of the climbing feature. Whether it is a metal frame (on Cargo Climb) or the graphic padding (on Walking Sticks), make sure there are no:
 - a. structural integrity issues (no “swaying” or instability)
 - b. exposed/sharp edges
 - c. or fraying graphics
3. **Belay Gate** Verify that the Belay Gate is secured to the ground and the loop for the Carabiner is properly attached. The Belay Gate should have a warning sign clearly visible on the underside.
4. **Carabiner** The Carabiner should be in perfect working order with no gashes or weakened material.
5. **Webbing Line** Pull the Webbing Line of the Belay out to look for fraying of the material or edges. Follow the Belay manufacturer’s complete instructions for daily/weekly/monthly inspections.
6. **Belay** Follow the Belay manufacturer’s complete instructions for daily/weekly/monthly inspections.

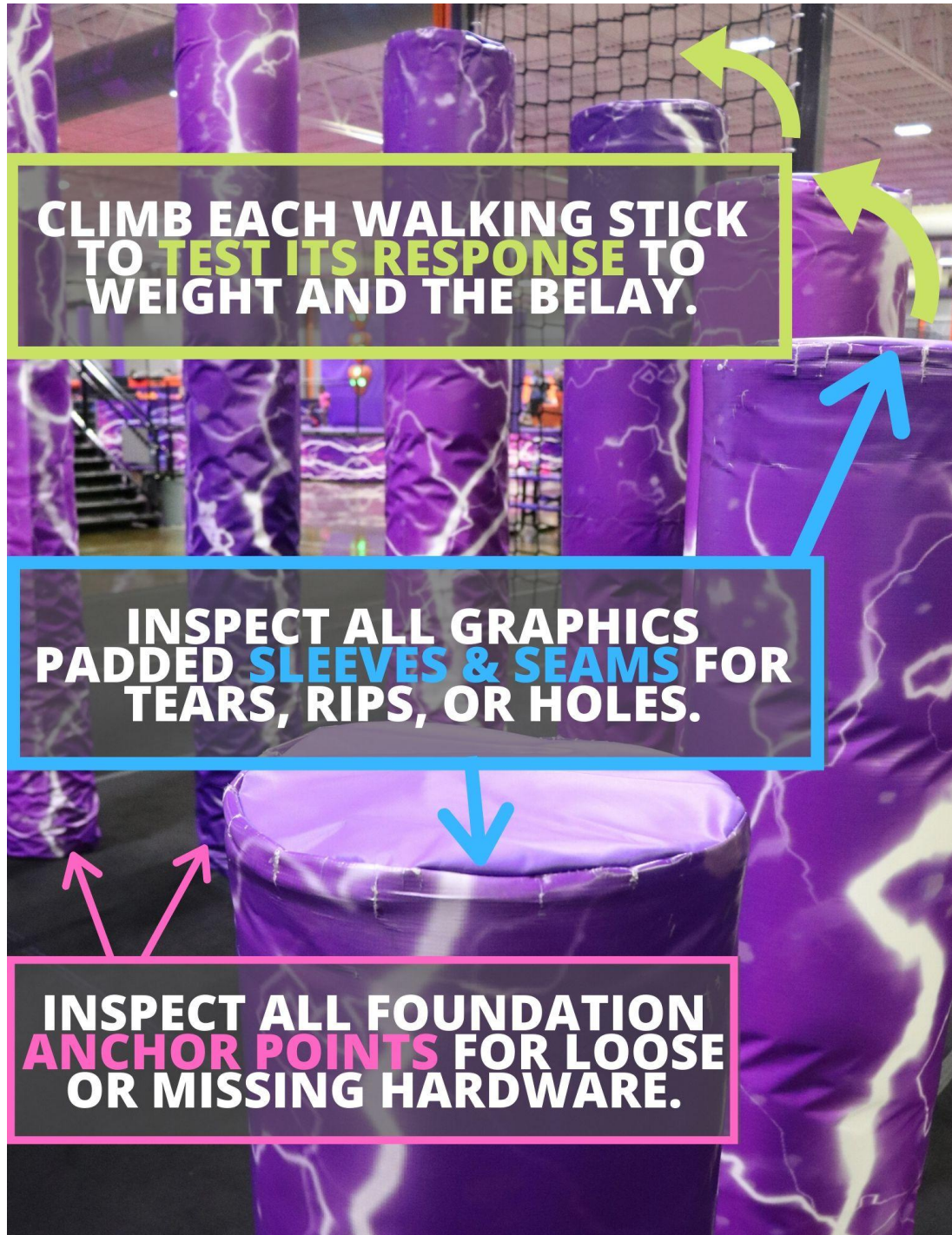
MANUFACTURER'S NOTE: Our assistance app, SUMBA, is recommended for all inspections. If SUMBA is not used, Operators and Management/Supervisors should also review the Daily and Weekly Inspection Sheets, the Maintenance Visual Aide and the Maintenance Manual for additional information about timing, processes, and visual cues for servicing a Climbing Attraction.

For maintenance-related questions, contact maintenance@funspot.com.

The intervals of maintenance for your park should be adjusted based on its use. The previously listed inspections and maintenance efforts are minimum recommendations.

Walking Sticks.....>>>>>>>>>.....

The Fun Spot® Walking Sticks is a unique balance challenge with two belays and a varying number of ascending posts that create a circular pattern. Daily inspection will include:



Walking Sticks - Visual and Tactile Inspection

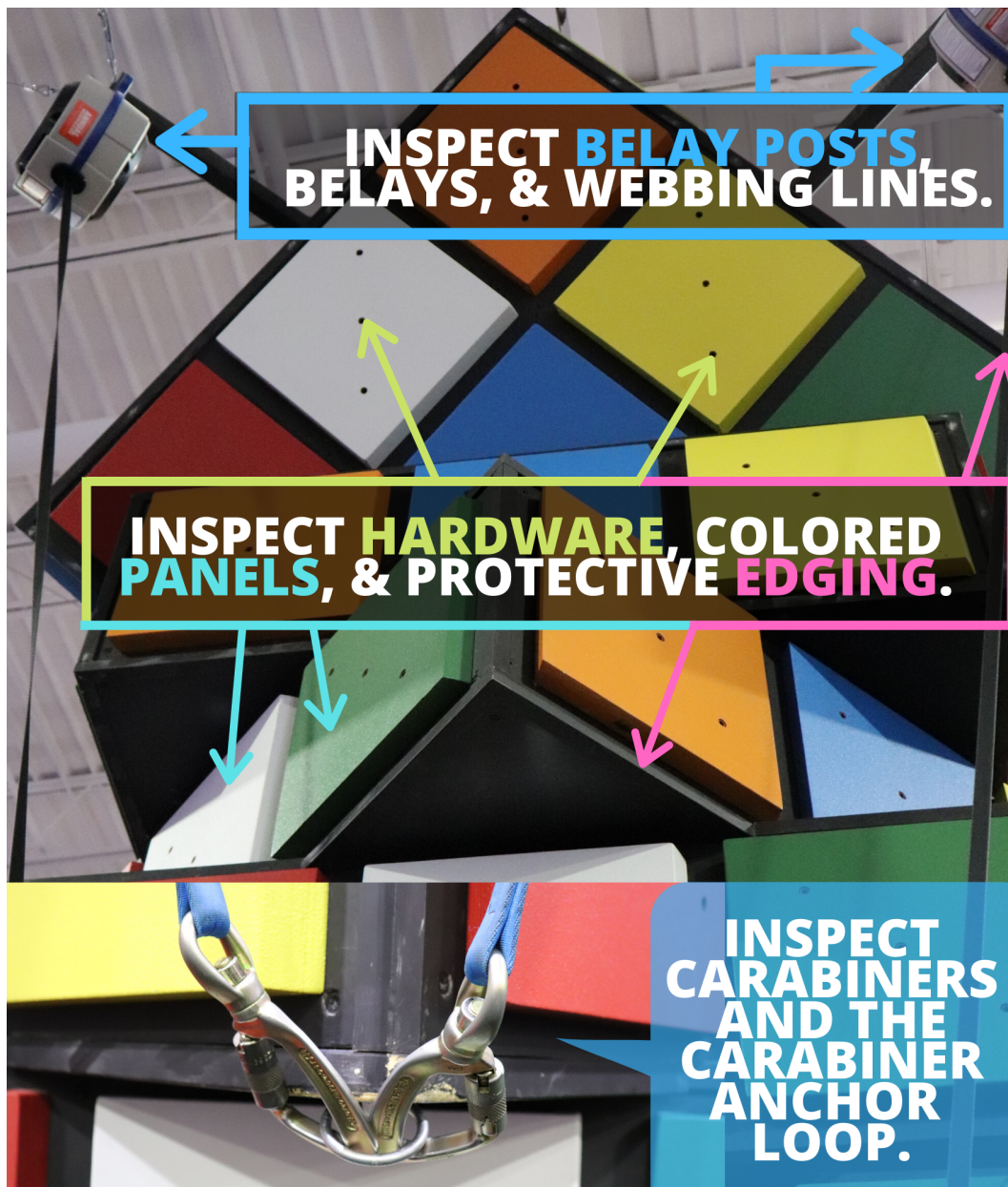
1. After being harnessed in, staff should inspect the Walking Sticks by **means of use**. The response to each “stick” should be monitored to ensure they are stable and not shifting with weight variances.
2. Inspect all of the **padding and seams** - verify it is properly secured, without tears or rips, and that it properly covers the openings or hard surfaces it is designed to protect. Any loose padding should be immediately secured with the processes provided by the Fun Spot® professional installer during the installation phase.
3. Check the **webbing lines of the belays and the Carabiners**, as well as the loop **hardware** that the Carabiners stay connected to when not in use. There should be no fraying of webbing, no gashes in the Carabiners, and the anchor loop for the Carabiners should be completely secure.
4. Inspect all **bases** of the “Walking Sticks” to verify they are secure and not missing any hardware.
5. If applicable, inspect all nearby **containment netting, attached cables, and turnbuckles**. There should be no holes in the netting and the cables and turnbuckles should be tightly secured to anchor points around the Walking Sticks.

Walking Sticks - Proper Daily Usage

- ❑ Court Attendants should give **clear instructions** on proper usage before a guest attempts the climb.
- ❑ Climbers should **never pull on the webbing line** of the belay while ascending. Court Attendants must monitor each climber and address this if the climber attempts to grab the webbing line during the climb.
- ❑ The Walking Sticks are a **balance challenge**. Any use of hands should be to grab the next Walking Stick only.
- ❑ Court Attendants should encourage climbers to only go as high as they are **comfortable**.
- ❑ When a climber is done climbing, they should only hold on to the **webbing line** during the descent - if there is no “slack” on the line.
- ❑ Court Attendants should stay outside of the inner circle of the Walking Sticks, and keep others out of that **landing zone** as well.
- ❑ A padded **safety cone** or similar device should be implemented on one of the lower “sticks” to block climbers from attempting to ascend without being harnessed in.

Rubik's Cube Climb ..._....<><><>...._...

The Fun Spot® Rubik's Cube Climb is a unique climbing challenge with multiple belays offering colorful and varying difficulty options. Daily inspection will include:



Rubik's Cube Climb - Visual and Tactile Inspection

1. After being harnessed in, staff should inspect the Rubik's Cube Climb by **means of use**. Staff should climb to the top with **all** belays to ensure a complete inspection. Belays should be secured on posts that attach in the center of the structure. **Belay gates** should be secure with warning signs.
2. Inspect each **colored panel** for splintering or damage. All panels with splintering or pieces missing should be replaced. Ensure that there is no missing hardware on any colored panel, and that each panel is secure in place.
3. Check the **webbing lines of the belays and the Carabiners**, as well as the loop **hardware**. There should be no fraying of webbing, no gashes in the Carabiners, and the anchor loop for the Carabiners should be completely secure.
4. Inspect the whole **geometric structure** and all **protective edging**. Each edging piece should not be peeling or missing any sections.
5. If applicable, inspect all nearby **containment netting, attached cables, and turnbuckles**. There should be no holes in the netting and the cables and turnbuckles should be tightly secured to anchor points around the Rubik's Cube Climb.

Rubik's Cube Climb - Proper Daily Usage

- ❑ Court Attendants should give **clear instructions** on proper usage before a guest attempts the climb.
- ❑ Climbers should utilize the **colored panels and edges** for their hands and feet as they climb.
- ❑ Climbers should **never go higher** than the belay or belay post at the top of the structure.
- ❑ Court Attendants should encourage climbers to only go as high as they are **comfortable**.
- ❑ When a climber is ready to descend, they should only hold on to the **webbing line** as they sit back in their harness and push away from the feature with their feet during the descent.
- ❑ Court Attendants should stay outside of the **landing zones**, and always keep others out of each landing zone.

Face-Off Wall <<....._|_|.....>>

The Fun Spot® Face-Off Wall is a unique climbing challenge where two climbers can race to the top, while seeing their opponent through the clear wall of the structure. Daily inspection will include:



Face-Off Wall - Visual and Tactile Inspection

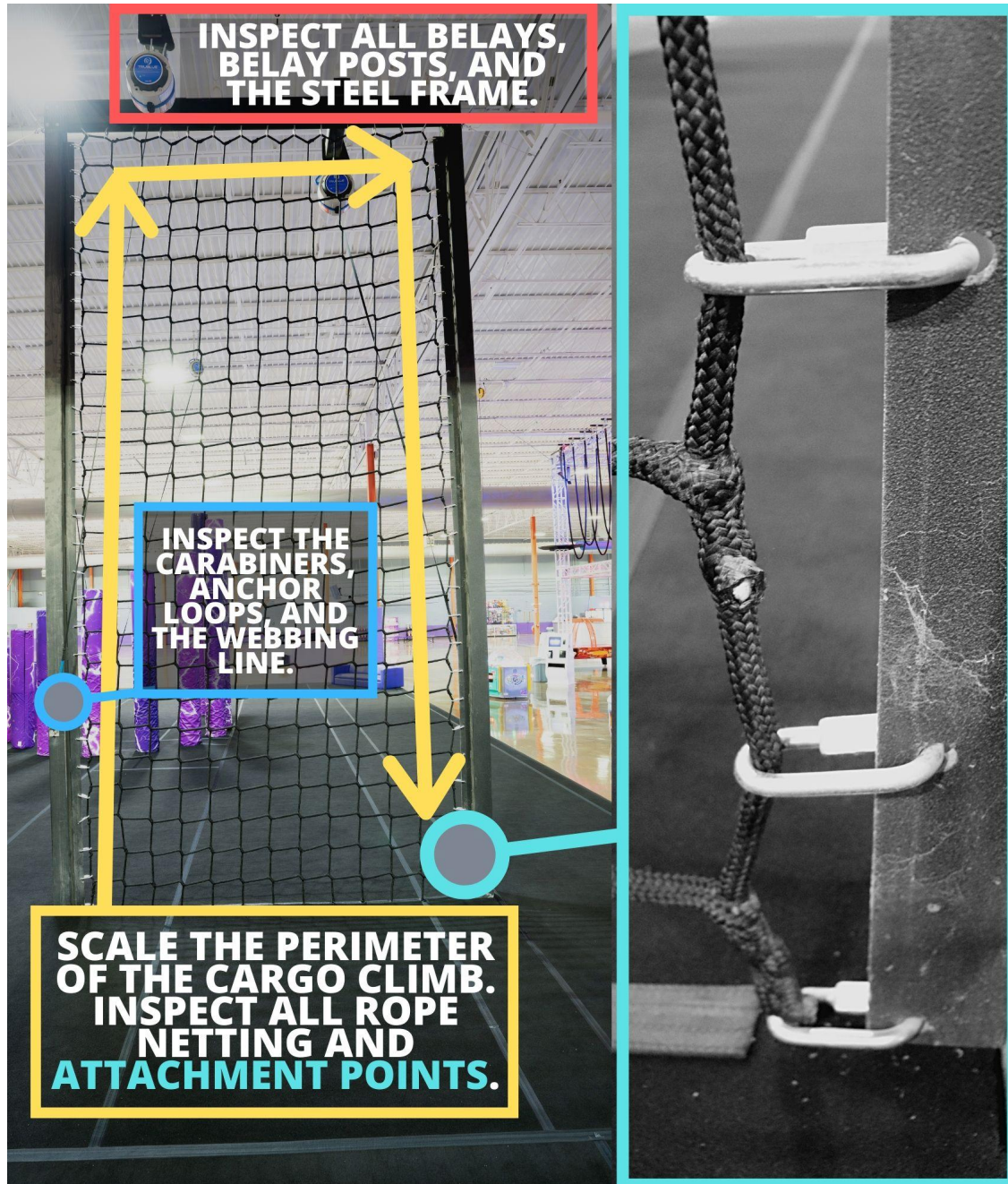
1. Check the **webbing lines** of the **belays** and the **Carabiners**, as well as the loop **hardware**. There should be no fraying of webbing, no gashes in the Carabiners, and the anchor loop for the Carabiners should be completely secure. **Belay gates** should be secure with warning signs.
2. After being harnessed in, staff should inspect the Face-Off Wall by **means of use**. Staff should climb to the top with **all** belays to ensure a complete inspection. Belays should be secured on posts that attach in the center of the structure, and ceiling anchors should feature an unblemished turnbuckle and intact cables.
3. Inspect each **hold and the hardware** attaching it to the plexi glass wall. No hardware should be extending past the grip hold and should be secured tightly. Holds should be unblemished and have no sharp edges and should be cleaned daily.
4. Inspect all of the **frame of the structure**, as well as the **base points** attaching it to the floor. Examine the **LED lighting** strips (if applicable) and ensure they are securely in place. The plexi glass wall should have no sharp edges, and should be cleaned daily.
5. If applicable, inspect all nearby **containment netting, attached cables, and turnbuckles**. There should be no holes in the netting and the cables and turnbuckles should be tightly secured to anchor points around the Face-Off Wall.

Face-Off Wall - Proper Daily Usage

- ❑ Court Attendants should give **clear instructions** on proper usage before a guest attempts the climb.
- ❑ Climbers should **only use the grips/holds** for their hands and feet as they climb. No one should scale the wall from the frame of the structure.
- ❑ Climbers should **never go higher** than the belay or belay post at the top of the structure.
- ❑ Court Attendants should encourage climbers to only go as high as they are **comfortable**.
- ❑ When a climber is done climbing, they should only hold on to the **webbing line** as they sit back in their harness and push away from the feature with their feet during the descent.
- ❑ Court Attendants should stay outside of the **landing zones**, and always keep others out of each landing zone.

Cargo Climb _____>_____>_____>

The Fun Spot® Cargo Climb is a unique climbing challenge where two climbers can simultaneously climb on opposite sides of the cargo netting.



Cargo Climb - Visual and Tactile Inspection.

1. Check the **webbing lines of the belays and the Carabiners**, as well as the **anchor loop hardware**. There should be no fraying of webbing, no gashes in the Carabiners, and the anchor loop should be secure. **Belay gates** should also be secure with warning signs visible.
2. After being harnessed in, staff should inspect the Cargo Climb by scaling the **perimeter of the structure**. All **caller quick links** should be inspected to verify attachment (netting to steel frame - see **right picture** above). All netting should be not fraying, unraveling or torn.
3. Staff should **climb to the top** with all belays to ensure a complete inspection. Belays should be secured on posts that attach to the frame of the structure, and ceiling anchors should feature an unblemished turnbuckle and intact cables.
4. Inspect all of the **frame** of the structure, as well as the **base points** attaching it to the floor. The structure should never sway while being climbed.
5. If applicable, inspect all nearby **containment netting, attached cables, and turnbuckles**. There should be no holes in the netting and the cables and turnbuckles should be tightly secured to anchor points around the Cargo Climb.

Cargo Climb - Proper Daily Usage.

- ❑ Court Attendants should give **clear instructions** on proper usage before a guest attempts the climb.
- ❑ Climbers should only use the **rope netting** for their hands and feet as they climb. No one should scale the wall from the frame of the structure.
- ❑ Climbers should **never go higher** than the belay or belay post at the top of the structure.
- ❑ Court Attendants should encourage climbers to only go as high as they are **comfortable**.
- ❑ When a climber is done climbing, they should **carefully push away** from the netting during the descent. Climbers should be aware to not kick their foot into the netting when descending, as they may hook their foot and become inverted.
- ❑ Court Attendants should stay outside of the **landing zones**, and always keep others out of each landing zone.

Cleaning

Cleanliness is a large part of safety when it comes to climbing elements. This requires Court Attendants to clean holds, walls, carabiners, structural elements, harnesses, and any surfaces that are touched during a business day. It is best to utilize a small amount of non-caustic cleaner* that disinfects and sanitizes with a non-abrasive mop. At the end of every work-day, Court Attendants should work together to make sure every part of the climbing attractions are sanitized and disinfected. Belay Gates should be cleaned and harnesses organized. Platforms around the area should be vacuumed and kept clear of trash and debris.

Areas around climbing zone, behind fences, and underneath courts should not be eyesores. Any areas visible to customers should be always kept clean and tidy. It is quite normal to need a bi-weekly sweeping under and around courts, but it must be done when a court is closed or when the park is not open to the public. Do not attempt to sweep under or around a court that has customers jumping!

CLEANING INSTRUCTIONS (for webbing, carabiners, etc.) from Head Rush Technologies (maker of the Tru Blue Automatic Belay):

"It is important to note that many cleaners and disinfectants are not suitable to be used with Head Rush products. If a device needs more than a simple dusting, customers should use a damp cloth with warm water and a mild detergent such as a dish soap to clean the device, carabiner, or webbing. Allow the unit to air dry after cleaning."

Certain disinfectants such as bleach or Lysol will chemically attack webbing and stitching and must not be used! Head Rush has researched compatible disinfection agents and recommends a 70% Isopropyl Alcohol spray or wipe. **DO NOT DILUTE.** A 70% Isopropyl Alcohol can be sprayed or wiped on Head Rush carabiners and hand grips. We recommend spraying or wiping down the carabiner. For the hand grip, we recommend spraying the 70% Isopropyl Alcohol on a rag and wiping it in a downward motion towards the carabiner. This will help to keep the hand grip from becoming soaked. Do not soak the webbing. Do not spray Alcohol near heat sources or open flames as alcohol is flammable. Allow the device to air dry after disinfecting. Use only Isopropyl Alcohol as other types of alcohol will damage the webbing."

**For a current suggested list on other specific cleaning products recommended by the manufacturer, contact Fun Spot® directly.*



Annual Belay Servicing

TruBlue belays require yearly maintenance and recertification. They must be sent into a location that is certified to provide this service. The first year of maintenance is included with the purchase of the belay, however shipping and handling does apply to the recertification location of your choice. There is an annual maintenance fee and a charge for missing the certification deadline. Use this link to find a location near you and begin the maintenance and recertification process for your TruBlue belays. <http://headrushtech.com/recertification/>

✈ Conclusion

Running a safe and fun climbing activity area requires planning, training, and diligence. To maintain a high-standard of excellence in the amusement industry, it is incredibly important to make education, training, and informing guests a top priority at all times. Making rules and regulations clear and accessible for all guests, as well as properly training employees with guest relations, equipment matters, and operations will help create an incident-free workplace. For specific manufacturer recommendations with any cleaning, inspection, and maintenance, please contact Fun Spot headquarters (in Hartwell, GA) at the number provided below!

For more information about Fun Spot® and the safety and operations training program, contact Fun Spot® at:

+1 (706) 376 8989 and FUNSPOT.com.

For more maintenance-related questions, please refer to the Maintenance Manual and the Maintenance Visual Aide.

Additional questions may also be conveniently submitted to:

maintenance@funspot.com

Appendix A - Daily Inspection Charts



WALKING STICKS

ATTRACTION COMPONENTS	PASS	WATCH	FAIL	NOTES
Is the Belay & Webbing Line in proper condition - according to the manufacturer's recommendations?				
Are all Belay posts (at the top) fixed and immovable?				
Are all safety and warning signs clearly displayed by the attraction?				
Are all Carabiners unblemished and in proper working order?				
Are all Belay Gates without rips or tears, and properly attached to the flooring and belay line(s)?				
Are there any rips, tears or holes in the containment netting?				
Are all points of the containment netting properly secured with unblemished cables and turnbuckles?				
Are there any unstable points or potential tripping hazards on the surrounding flooring?				
Are there any loose or missing ground hardware?				
Are the posts and base points secured to the floor?				
Are the graphics padded sleeves for the sticks properly secured, without defilement or tears/rips?				

ADDITIONAL NOTES: _____

DATE & TIME ____ / ____ / ____ || ____ : ____ INSPECTOR _____

(By signing, you verify you have completed the inspections according to manufacturer recommendations and to the best of your ability.)

RUBIK'S CUBE CLIMB

ATTRACTION COMPONENTS	PASS	WATCH	FAIL	NOTES
Is the Belay & Webbing Line in proper condition - according to the manufacturer's recommendations?				
Are all Belay posts (at the top) fixed and immovable?				
Are all safety and warning signs clearly displayed by the attraction?				
Are all Carabiners unblemished and in proper working order?				
Are all Belay Gates without rips or tears, and properly attached to the flooring and belay line(s)?				
Are there any rips, tears or holes in the containment netting?				
Are all points of the containment netting properly secured with unblemished cables and turnbuckles?				
Are there any unstable points or potential tripping hazards on the surrounding flooring?				
Is the geometric structure fixed and immovable? (There should be no swaying of the structure)				
Is all protective edging secured, with no sharp edges or splinters exposed?				
Are all colored panels unblemished, with no sharp edges or missing/loose hardware?				

ADDITIONAL NOTES: _____

DATE & TIME ____/____/____ || ____:____ INSPECTOR _____

(By signing, you verify you have completed the inspections according to manufacturer recommendations and to the best of your ability.)

FACE-OFF WALL

ATTRACTION COMPONENTS	PASS	WATCH	FAIL	NOTES
Is the Belay & Webbing Line in proper condition - according to the manufacturer's recommendations?				
Are all Belay posts (at the top) fixed and immovable?				
Are all safety and warning signs clearly displayed by the attraction?				
Are all Carabiners unblemished and in proper working order?				
Are all Belay Gates without rips or tears, and properly attached to the flooring and belay line(s)?				
Are there any rips, tears or holes in the containment netting?				
Are all points of the containment netting properly secured with unblemished cables and turnbuckles?				
Are there any unstable points or potential tripping hazards on the surrounding flooring?				
Is the frame of the structure damaged or blemished?				
Does the climbing structure sway or shake while ascending, especially in the upper half? (There should be no excessive swaying of the structure)				
Are the structure's base points secured to the ground with no missing or loose hardware?				
Does the plexiglass have any cracks, chipped areas, or unsecured edges?				
(If applicable) Is the LED lighting secured and functioning correctly, with no exposed electrical cables or components?				
Are the structure's base points secured to the ground with no missing or loose hardware?				
Is the climbing structure missing grips/holds?				
Are all of the grips and holds secure, undefiled with no missing or loose hardware?				

ADDITIONAL NOTES: _____

DATE & TIME ____ / ____ / ____ || ____ : ____ INSPECTOR _____

(By signing, you verify you have completed the inspections according to manufacturer recommendations and to the best of your ability.)

© 2021 Fun Spot Manufacturing, LLC. /// 1321 E. Franklin St. Hartwell, GA 30643
www.FUNSPOT.com /// No further reproductions or distributions are authorized.

CARGO CLIMB

Attraction Components	PASS	WATCH	FAIL	Notes
Is the Belay & Webbing Line in proper condition - according to the manufacturer's recommendations?				
Are all Belay posts (at the top) fixed and immovable?				
Are all safety and warning signs clearly displayed by the attraction?				
Are all Carabiners unblemished and in proper working order?				
Are all Belay Gates without rips or tears, and properly attached to the flooring and belay line(s)?				
Are there any rips, tears or holes in the containment netting?				
Are all points of the containment netting properly secured with unblemished cables and turnbuckles?				
Are there any unstable points or potential tripping hazards on the surrounding flooring?				
Is the frame of the structure damaged or blemished?				
Does the climbing structure sway or shake while ascending, especially in the upper half? (There should be no excessive swaying of the structure)				
Are the structure's base points secured to the ground with no missing or loose hardware?				
Does the cargo netting have any rips, tears, or fraying of the material?				
Are there any missing caller quick links?				

ADDITIONAL NOTES: _____

DATE & TIME ____ / ____ / ____ || ____ : ____ **INSPECTOR** _____

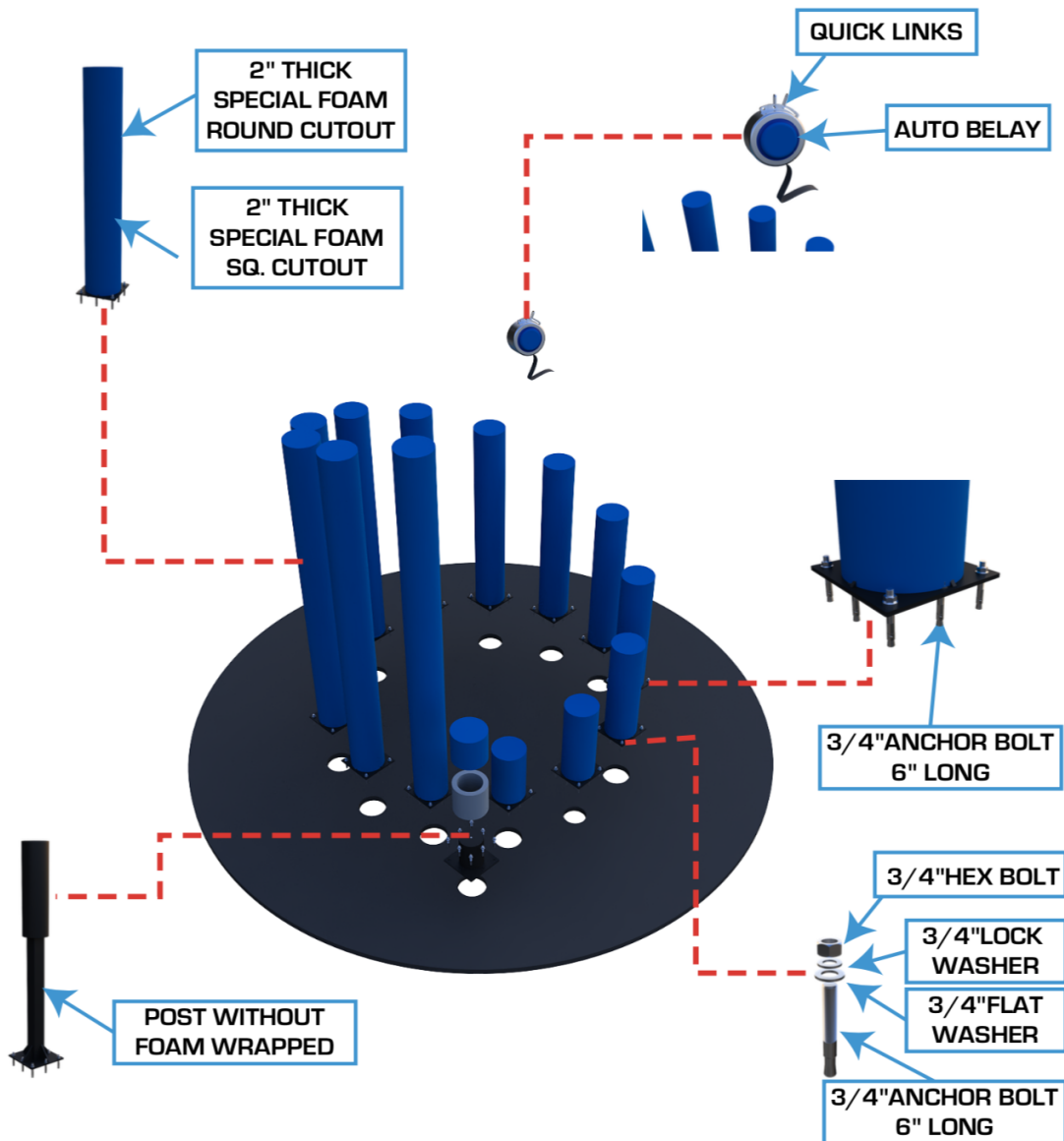
(By signing, you verify you have completed the inspections according to manufacturer recommendations and to the best of your ability.)



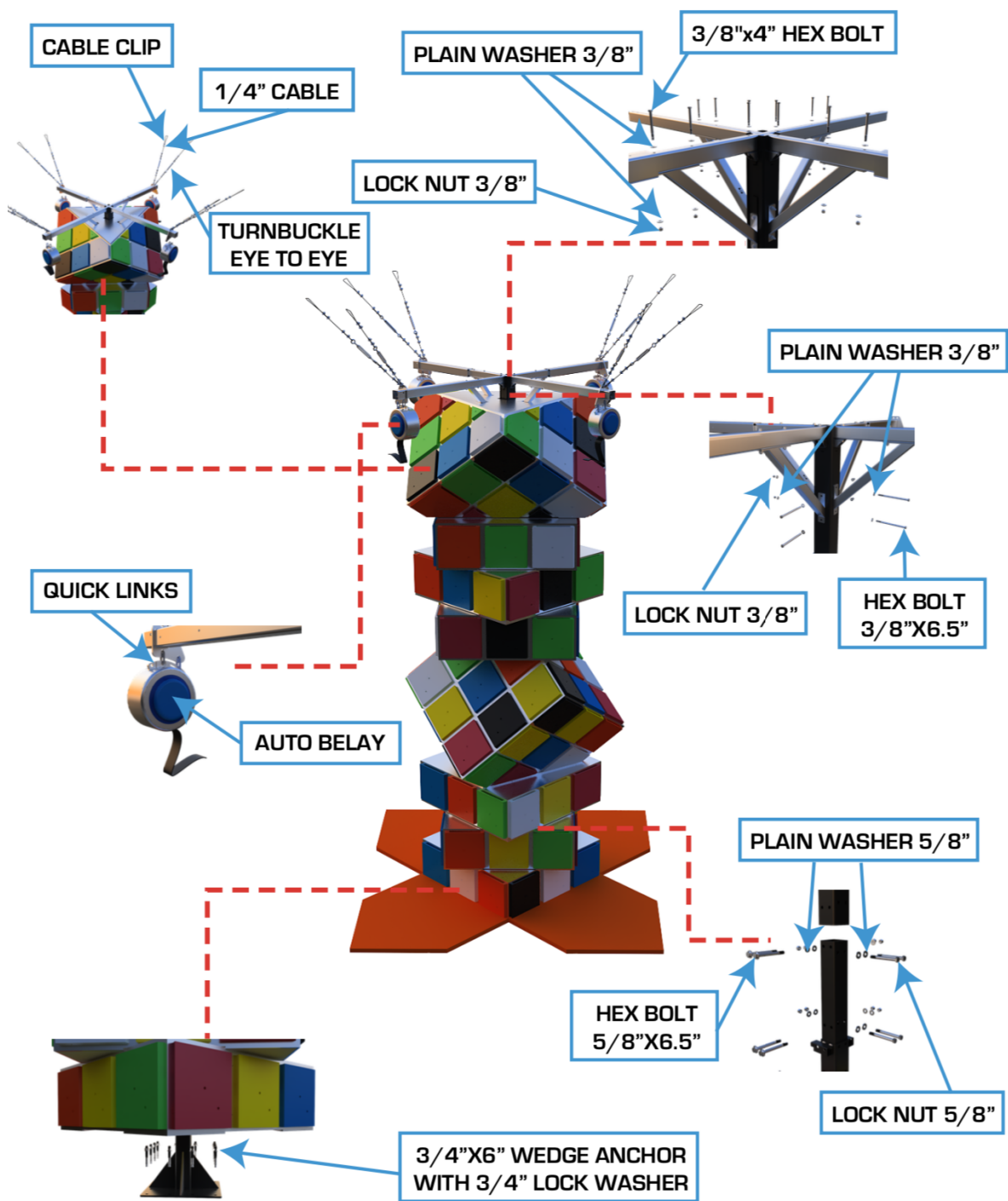
For quality consistency, have each inspector complete a new sheet each day.
For features that may contain a more time-sensitive maintenance requirement, highlight the component line for the next weekly inspection and maintenance time.
When an inspection reveals a future service requirement, <i>that is currently not urgent</i> , the WATCH column should be used. Any components that have a WATCH note attached, should be shown to all Court Attendants so that they can monitor the issue throughout their shifts. This should be repeated daily until the component receives a service that returns it to a PASS status. Any components that receive a FAIL note should be serviced immediately, and the attraction must remain closed until the component is fixed and returns to a PASS status. WATCH and FAIL items should have pictures attached to each daily inspection until it returns to PASS status.
Upon completion, combine with the correlating Weekly Inspection Sheet and reconcile all services on the Monthly Maintenance Log. It is also recommended to include pictures of all replacements with any maintenance records.
When starting a new week, review the previous Weekly and Daily Inspection Logs to ensure the highlighted components lines were serviced.
Save all Inspection logs for your records, either digital or hardcopy, for at least 3 years or for the amount of time that your attorney/legal counsel advises.
For information regarding signs and timing of maintenance needs, review all of your individual attraction/feature manuals as well as the Maintenance Manual and the corresponding visual aids. Additional inspection and maintenance resources can be found on our operator's inspection and training app, SUMBA.
All inspections throughout the month should include obstructions, condition of impact attenuation materials and covers, placement and securement of impact attenuation materials, condition of trampoline beds and suspension system, condition of frame, condition of redundant bed or barrier netting underneath or behind trampoline beds, condition of containment system and netting, condition of communications devices, condition and placement of signage, condition of foam pit and impact attenuation block material, condition of nets/goals/hoops and similar, condition of balls or other devices, condition of emergency response gear and first aid kits, condition of assembly area, and condition of adjacent platforms, entrances, exits, stairways, lifts, and ramps.

THANK YOU FOR BEING A VALUABLE FUN SPOT CUSTOMER!

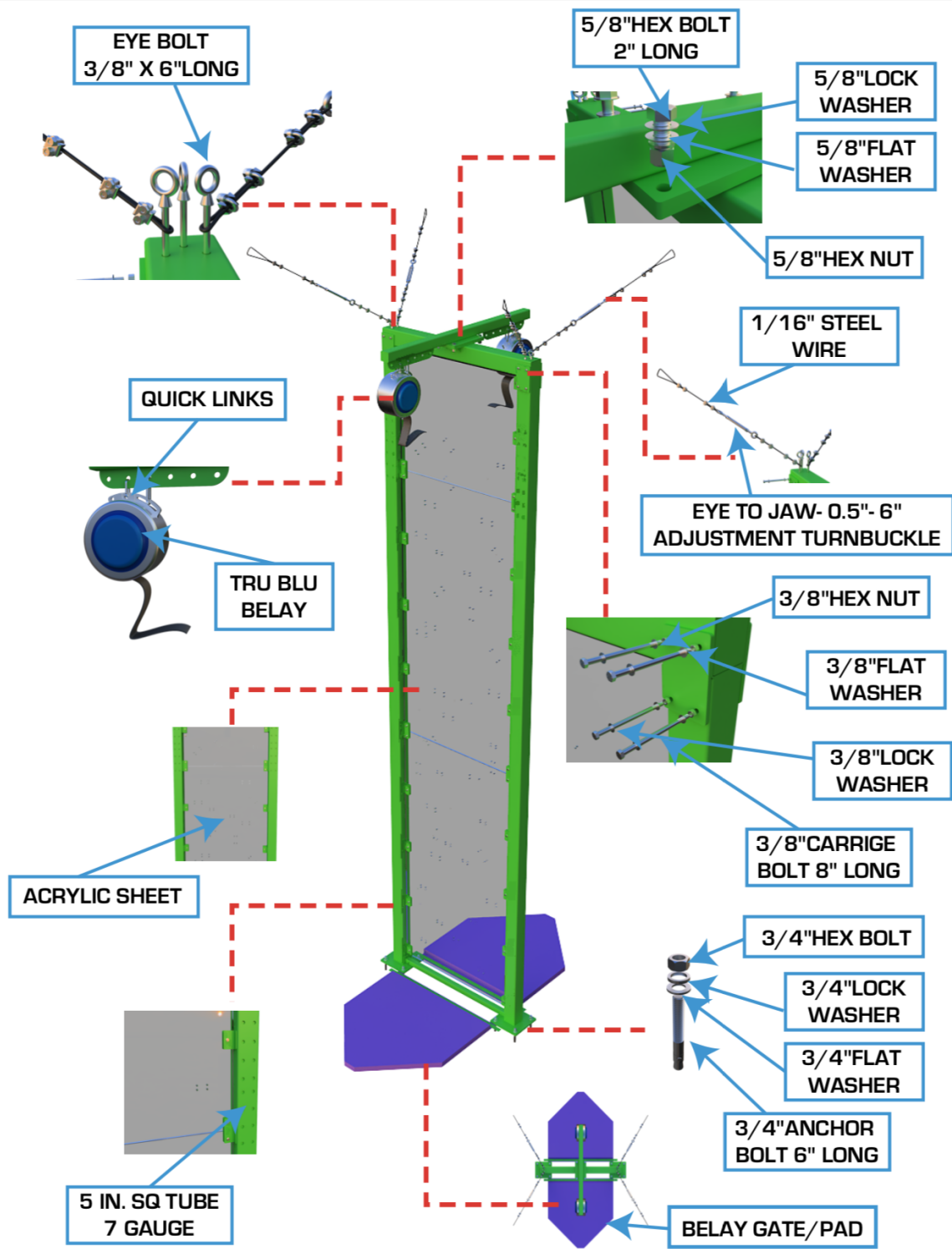
Appendix B - Exploded Views



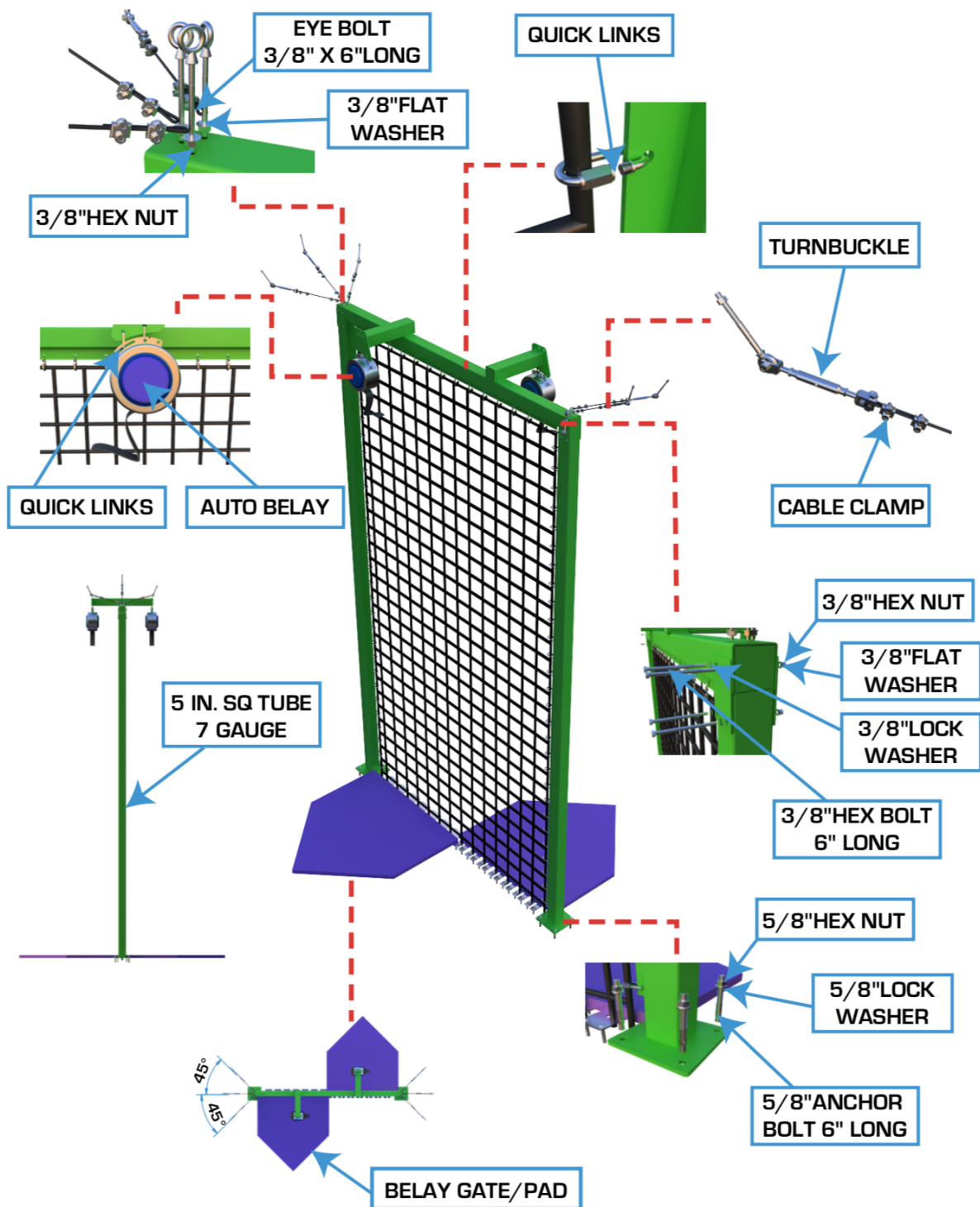
WALKING STICKS



RUBIK'S CUBE CLIMB



FACE-OFF WALL



CARGO CLIMB

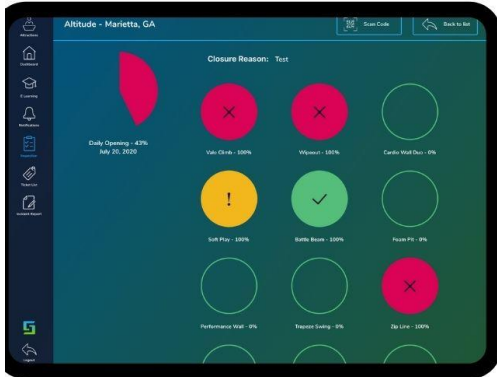


IS EXCITED TO PRESENT



S U M B A

THE ADVENTURE PARK INDUSTRY'S NEW BEST FRIEND.

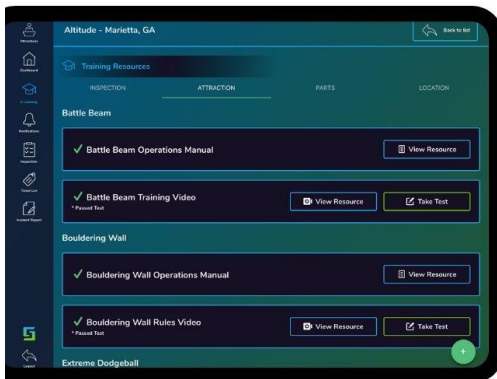


INSPECTIONS AND MAINTENANCE **MADE EASY**.
GUIDED STEPS, TIME STAMPS, MANAGER TOOLS, QR
CODES, PICTURE PROOF, REMINDERS & MORE -
EXPONENTIALLY INCREASING DEFENSIBILITY WITH A
SLEEK AND SIMPLE USER INTERFACE.

INCLUDING: OUR NEW
COURT MONITOR VIDEO TRAINING PROGRAM
WITH CORRESPONDING TESTS & STAFF LOGS
TO ENSURE THAT EVERY STAFF MEMBER IS
CORRECTLY TRAINED.
EVERY TIME.



INDIVIDUAL USER LOGINS, MAINTENANCE PORTAL, MAINTENANCE
RESOURCE VIDEO LIBRARY, OWNER AND OPERATOR STAT TOOLS -
AND MORE!



WE BUILD **SAFER** PARKS. ASK US HOW!

