



## Venue Description & Walls Requirements and Guidelines

### IFSC Event

The document outlines the key specifications and technical guidelines for the LOC to consider during the Field of Play (FOP) and associated infrastructure planning of the venue.

The provided information is subject to further consultation with the IFSC and shall be read together with the latest IFSC rules and relevant regulations where applicable (<https://www.ifsc-climbing.org/>).

#### 1. Key Considerations for Infrastructure Planning

##### 1.1. Wall Sourcing

The selection method for the wall supplier may vary, including the options as IFSC-recognised providers (particularly for Speed), a sole supplier, or a public tender, depending on Host City regulation when applicable. The supply arrangements for walls and equipment can also differ, with options for purchase or rental, subject to the agreements among the involved parties.

- Purchase: The ownership of the wall belong to the LOC (or the host city/country). The LOC is strongly encouraged to discuss with the IFSC or their National Federation to determine legacy use of the walls in advance.
- Rental: The ownership of the wall remains with the wall supplier. The wall and associated equipment are returned to the supplier after the event, or may be re-distributed to the third party at the supplier's discretion.

The wall sourcing process requires a comprehensive consultation with the Host City, LOC, IFSC, and relevant stakeholders from the early planning stages. The LOC therefore must work closely with the IFSC and Wall provider throughout all stages of FOP planning, including procurement, design, installation, operation, and dismantling.

##### 1.2. Legacy Strategy

When planning event infrastructure, the LOC should integrate it into a comprehensive legacy strategy, especially for new and permanent venues, to achieve cost-efficient and durable solutions. This approach ensures that the IFSC, wall provider, and installer select and supply materials with long-term legacy considerations in mind.

Legacy planning is equally crucial for temporary climbing walls. The LOC should plan for the wall's use after the event, as it can be dismantled and reinstalled elsewhere to serve as a lasting legacy. While temporary wall construction leaves minimal impact on the venue, permanent structures may require wall installations to be anchored to the ground or attached to existing infrastructure. Therefore, all relevant stakeholders, including the Host city and venue owner, must be consulted and kept informed.

##### 1.3. Construction regulation

When the FOP and walls are sourced by a provider outside of the host country's territory, the LOC should check the host city's regulations and legal requirements concerning the process of sourcing and construction permits. This includes ensuring that designated local installers can undertake the necessary tasks and bear full responsibility for installation and dismantling operations under the external wall provider's supervision.

##### 1.4. Wall installation timeline

During procurement and planning, the LOC must consider the timeline for the wall supplier to produce wall panels and shipping materials to the event location. Installation contractors can be sourced either by the wall supplier or locally, depending on the Host City's regulations concerning construction permits, provided that local installers are competent and experienced in building climbing walls.



Typically, wall installation requires a range of 7-10 days, while dismantling takes 3-5 days. However, these timelines depend heavily on factors such as the number and size of walls, the number of contractors, available working hours or shifts, necessary machinery, adequate loading spaces, and weather occurrences for outdoor venues. As a guidance, the LOC should incorporate the following elements into the master schedule for wall installation plan:

- Assessment of the ground and analysis of wall counterweight and reaction forces
- Construction of the FOP stage, roof, and other adjacent equipment and facilities
- Construction of the competition and warm-up walls' main steel frames
- Construction of the competition and warm-up walls' secondary frames
- Installation of the competition and warm-up walls' panels
- Dismantling period according to the venue move-out period

Contingency days should be planned, particularly for outdoor venues, to mitigate the risk of weather-related delays in the installation or dismantling process. The LOC must carefully coordinate the move-in and move-out periods of the venue, considering other infrastructure installations happening concurrently, such as the FOP stage and scaffolding construction, video boards, and lighting equipment.

### **1.5. FOP Maintenance and Cleaning**

The FOP and wall surfaces, as well as the FOP equipment, should be checked regularly before the FOP is used for training or competition. This means all materials, debris, repair tools, and construction equipment must be removed from the FOP.

Before and during the event period, the LOC must conduct a re-current clean-up of the FOP and surrounding area every day, a minimum two hours before the start of the training and/or competition. Refer to the Sport Equipment List for FOP cleaning tools, particularly for weather-related contingencies, to dry the FOP. Cleaning of the Holds, Macros, and Volumes should follow the IFSC instructions and as scheduled in the competition running order.

### **1.6. Wall and FOP Approval by IFSC**

IFSC is responsible for validating the characteristics of the walls, including the wall design validation and technical inspection. In particular, the Speed wall must be provided by the IFSC Recognised Speed Wall Manufacturers according to the IFSC Speed License Rules. The wall company, IFSC, and the LOC are in close consultation throughout the infrastructure planning process. The wall company should closely follow the regulations developed by IFSC and make technical adjustments if required during the project.

The FOP and walls must be approved by the IFSC Event Delegate prior to the start of any training or competition at the venue.



## 2. WALL MANUFACTURER EVALUATION AND SELECTION

When assessing potential wall suppliers, the LOC should follow these guidelines and consult the IFSC for further details.

### 2.1. Safety

In principle, the company must prioritize the safety of the athletes who will climb on the walls and the IFSC Officials and operational staff who are present around the FOP. All climbing walls must comply with the European Standards (EN 12572-1 / EN 12572-2 / EN 12572-3) as specified in the [IFSC Rules](#) and the [IFSC Speed License Rules](#).

### 2.2. Foundation

The company must have significant experience in producing and installing climbing walls. This experience can be demonstrated through:

- Solid financial and legal stability, verified by the information provided by the company or the company's existing agreements with comparable entities like the LOCs;
- Experience in international shipping and a dedicated installation team capable of working globally or with the respective local installers;
- Dedicated project personnel for engineering the wall design and the capability to provide 3D modelling.

### 2.3. Experience in supplying competition walls

The company must have experience in successfully delivering competition-level walls for international events, including the history of their participation in IFSC events (e.g., IFSC Climbing World Championships, IFSC Climbing World Youth Championships, IFSC Climbing World Cups, Multi-Sport Games) or high-level continental and national events organised by the IFSC Member Federations.

The company must also demonstrate its ability to handle the delivery and installation of the walls in both indoor and outdoor venues. In the case of an outdoor venue, weather protection must be anticipated during the infrastructure planning.

The company must list a minimum of three events, and at least one indoor and one outdoor project that is completed and/or ongoing.

In addition, the company must prove its ability to install the walls on a temporary basis – including the plan to install and dismantle them multiple times if required – on all types of surfaces (e.g., grass, sand, concrete) and provide IFSC and LOC with technical consultation on the FOP stage and infrastructure planning.

### 2.4. International profile and project management

The company has proficient communication/media management and project implementation experience in meeting strict deadlines in a multicultural environment. The company may provide further information on their regional distribution channels and existing factory locations (if multiple) in different regions or countries, as well as the established relations with a team of international (or local) operators and partners. The ability to assign a dedicated project manager to the event is important, with proven experiences in the similar level of projects. The preferred candidate is to be proficient in spoken and written English to ensure technical specifications and requirements are well understood by all stakeholders.

### 2.5. 3D modelling

In addition to the dedicated personnel for project management, the availability of 3D modelling of the walls will be requested to ensure good spatial planning on the FOP and adjacent operational areas.



### 3. Wall & Venue Requirements with Discipline-Specific Guidelines

This section outlines the climbing wall and venue requirements, including key spaces on the Field of Play (FOP), Back of House (BOH), and Front of House (FOH) as well as discipline-specific information.

The LOC should note these specifications may vary based on the **scope of the event (e.g., IFSC World Championships, World Cups, World Youth Championships)**, as well as the **number and format of disciplines**. Therefore, the LOC should work closely with the IFSC to confirm the detailed venue plan according to the event's requirements.

#### 3.1. Wall Requirements and Guidelines

Area / Space	Functional Descriptions and Technical Specifications
<b>Field of Play - Walls</b>	
Boulder Wall	<ul style="list-style-type: none"><li>• Height: 4.5m</li><li>• Measured from the surface of the boulder mat to the TOP signage, 4.5m is the maximum height for routesetting in accordance with EN. The wall may be higher up to 5m if the extra space is intended for the look of the IFSC Event.</li><li>• Length: 30m (capacity for max. 10 boulders) subject to the competition format</li><li>• Profile: 4-5 different profiles with varying inclinations from -5° up to 45°</li><li>• Orientation (if outdoor): subject to season/country, it shall be north or northeast in the northern hemisphere; south or southeast in the southern hemisphere. Sun exposure is to be avoided.</li><li>• Cover: Wall must be protected from heat/rain with FOP roof</li><li>• Access: The top platform shall be accessible for TV operators and photographers to install remote cameras. It shall be possible for the athletes to top out in a safe manner.</li><li>• Inserts: Recommended to avoid t-nut inserts on the panel (especially on the slab and vertical profiles). T-nuts are acceptable on overhang profiles.</li><li>• Friction: uniform and low range</li><li>• Alignment between panels displaying flatness and no visible gap (max. tolerance 1mm)</li><li>• Comply with EN 12572-2</li></ul> <p><i>Note: Wall size specifications are subject to competition format and consultation with IFSC.</i></p>
Boulder Wall Mat	<ul style="list-style-type: none"><li>• Thickness: average 40cm</li><li>• Dimension: The matting should extend at least 1.5m on each side of the wall and a minimum of 2.5m backward from the most advanced point of the wall edge on the floor in compliance with Standard EN 12572-2. However, mat dimension should be adjusted based on wall profiles, applicable national standards if any, and consultation with the IFSC to ensure the safety of the athletes. In most cases, the matting should be expanded up to 2m-2.5m on the sides, when the adjacent wall profiles are overhanging profile, and even vertical or slab profile which could pose safety risks when athletes fall or move forward the wall's edge. The mat design must therefore account for swing movements or momentum, ensuring that falls are contained within the matted area for safety.</li><li>• Stability: The mat must be installed to remain securely in place under dynamic movements.</li><li>• Cover: The mat must be protected from heat/rain with FOP roof. Additional mat tarps must be prepared to protect the surface from overnight dust, storms, and prevent water to enter the beneath the mats. Possibility to place the look of the event on the cover.</li></ul>



Area / Space	Functional Descriptions and Technical Specifications
Boulder Wall Curtain	<ul style="list-style-type: none"><li>Curtain is mandatory for the outdoor venues. The curtain must cover the entire Boulder wall (front and side). The LOC should be aware of any local regulations (e.g., prohibited materials in case of fire or extreme wind) that would impact the curtain engineering and consult with the IFSC in advance.</li><li>Material: The curtain should be of a non-transparent material which will block the viewing of the routesetting and testing activities behind the curtain.</li><li>Color: Avoid dark colors that could absorb the sun/heat if the wall is exposed to the sun.</li><li>Branding: The curtain is recommended to have the event's branding.</li><li>Installation methodology: Attach the curtain system to the roof structure. The system should allow easy opening and closing of the curtain and good air circulation behind the curtain. It should also allow easy dissembling or ways to fix the curtain in case of strong wind and to have a clean FOP look for broadcasting.</li></ul>
Lead Wall	<ul style="list-style-type: none"><li>Height: min. 15m. It can be higher if it aesthetically makes sense in the context of the venue design or if the space is used for the look of the IFSC Event.</li><li>Length: 12m – 15m (capacity for max. 4 routes) subject to the competition format</li><li>Profiles: varying inclinations from a minimum of 15° up to 60°</li><li>Overhang: average 8-9m</li><li>Orientation (if outdoor): Subject to season/country, it shall be north or northeast in the northern hemisphere; south or southeast in the southern hemisphere. Sun exposure is to be avoided.</li><li>Cover: Wall must be protected from heat/rain with FOP roof</li><li>Hanger: Easily removable (preferred), fixed hanger (acceptable)</li><li>Hanger covers: Mandatory for competition</li><li>Friction: Uniform and medium range</li><li>Alignment between panels displaying flatness and no visible gap (max. tolerance 1mm)</li><li>Comply with EN 12572-1</li><li>Accessibility: For Para event, the wall should be wheelchair accessible.</li></ul> <p><i>Note: Wall size specifications are subject to competition format and consultation with IFSC.</i></p>
Speed Wall	<ul style="list-style-type: none"><li>Height: 15m. Starts 20cm above the ground. Ceiling height is 16.7m with top protection point.</li><li>Length: 6m (for 2 lanes, 3m each).</li><li>There must be a minimum of 1m of secured flat ground on each side of the wall edge.</li><li>The lanes may be separated not exceeding 50cm to accommodate a branded banner.</li><li>Profile: 5° overhang inclination</li><li>Orientation (if outdoor): subject to season/country, it shall be north or northeast in the northern hemisphere; south or southeast in the southern hemisphere. Sun exposure is to be avoided.</li><li>Cover: Wall must be protected from heat/rain with FOP roof</li><li>Friction: uniform and low range</li><li>Alignment between panels displaying flatness and no visible gap (max. tolerance 1mm)</li><li>Comply with Standard EN 12572-1</li><li>Accessibility: For Para event, the wall should be wheelchair accessible.</li></ul> <p><i>Note: The wall must meet relevant regulations according to <b>IFSC Speed License Rules</b> and be provided from the <b>IFSC Recognised Speed Wall Manufacturers</b>. Subject to IFSC approval.</i></p>



Area / Space	Functional Descriptions and Technical Specifications
Wall Panels	<ul style="list-style-type: none"><li>Quality: The level of plywood quality should be selected in considerations of local climate conditions (for outdoor venues) and the LOC's or host city's legacy plan, to assess long-term maintenance needs of the panels. The manufacturer must respect EN636 Plywood Classification (EN636-1 Dry Environment; EN636-2 Humid Environment; EN636-3 Exterior Environment). Testing and sample panels may be requested to minimize traces of the rubber from the climbing shoes.</li><li>Friction: Panels are layered with coating, sand, and paints to provide durable and long-lasting friction while allowing easy cleaning. During the wall provider selection process, the IFSC or LOC may require the manufacturer to provide samples with 3 different friction levels (low, medium, strong) for better assessment.</li><li>Coloration: The painting process must ensure even color and consistent uniformity across all panels for a clean and cohesive visual display when the panels are assembled.</li></ul>
Wall Structures	<ul style="list-style-type: none"><li>Main steel structures: Designing, manufacturing, and installing main steel structures must be done in compliance of local regulations. The steel structures can be attached to an existing, self-standing infrastructure or fixed to the ground.</li><li>Calculation of reaction forces in compliance with safety standard: The weight of the walls and reaction forces that the ground can support must be well studied in the planning, to evaluate the construction method. The advance planning helps ensure the necessary materials are sourced and thus avoiding unexpected material shortage. As a general reference, the average weight of a Speed wall is approximately 30 tons, a Lead wall can weigh up to 75 tons, and a boulder wall ranges between 15-20 tons. However, these measurements should be used as an initial reference, and precise estimation will depend on the wall dimensions and the materials as well as technology used.</li><li>Supporting structures: Wall design should account for both primary steel and secondary structures to ensure they can accommodate necessary interventions efficiently, such as the attachment of remote cameras or event branding around the scaffolding. It is necessary for the manufacturer to present sufficient technical explanation and knowledge on how the wall should be installed and dismantled, and a contingency plan to protect the wall in case of the event postponement or bad weather occurrences.</li><li>Lead and Speed walls may be supplied in self-standing structures depending on the wall supplier, while the Boulder wall requires scaffolding structures.</li></ul>
Roof & Covers	<ul style="list-style-type: none"><li>For outdoor venues, the roof is essential to protect the FOP (walls, stage, mats) from heat and bad weather conditions. The start of the route and entire surface of the boulder mat must stay protected and dry.</li><li>Design considerations include:<ul style="list-style-type: none"><li>An inclination of 15° in any direction should be considered for rain protection.</li><li>Architectural designs and aesthetics should complement overall venue/FOP concept.</li><li>Design must be engineered to withstand wind resistance based on local climate data.</li><li>Cover: The back and sides of the steel frames must be covered for weather protection and to meet broadcasting requirements.</li><li>Roof Integration: The stage design must facilitate the roof installation in a way that supports the roof independently or allow partial integration with the FOP stage to reduce structural loads on the platform.</li></ul></li></ul>



Area / Space	Functional Descriptions and Technical Specifications
<b>Back of House (BOH) - Walls</b>	
<b>Warm-up Wall (Boulder, Lead, and Para)</b>	<ul style="list-style-type: none"><li>• Height: The wall should not be higher than 4.5m in accordance with EN and an absolute minimum of 3m height.</li><li>• Length (subject to competition format and scope of event):<ul style="list-style-type: none"><li>- For World Cup: minimum 20m</li><li>- For World Championships: minimum 25m</li></ul></li><li>• Must be equipped with matting</li><li>• Profile: 5-8 varying profiles with similar steepness of the competition walls</li><li>• Orientation (if outdoor): subject to season/country, it shall be north or northeast in the northern hemisphere; south or southeast in the southern hemisphere. Sun exposure is to be avoided.</li><li>• Cover: Wall must be protected from heat/rain with roof.</li><li>• Accessibility: For Para event, the wall must be wheelchair accessible.</li><li>• Holds:<ul style="list-style-type: none"><li>- For Lead, Boulder: similar quality and shapes of holds, including small and micro holds, macros, and volumes used at the competition wall (at least 50% proportion of the quantity is recommended). Refer to IFSC Holds, Macros, and Volumes Catalogue for further requirements. Avoid new holds that can be harsh for the athlete's skin during warm-up.</li><li>- For Para: In addition to the above, include a larger portion of positive grip holds (jugs).</li></ul></li></ul>
<b>Warm-up Wall (Speed)</b>	<p>Speed stand-alone event:</p> <ul style="list-style-type: none"><li>• Height: Minimum 6m. Ceiling height should be higher than 6m with top protection point.</li><li>• Length: Min 12m (4 lanes)</li><li>• Profile: 5° overhang inclination</li><li>• Orientation (if outdoor): subject to season/country, it shall be north or northeast in the northern hemisphere; south or southeast in the southern hemisphere. Sun exposure is to be avoided.</li><li>• Cover: Wall must be protected from heat/rain with roof.</li><li>• Accessibility: For Para event, the wall must be wheelchair accessible.</li><li>• Floor must be flat and solid (additional safety mats may be requested)</li><li>• Must be equipped with auto belay systems (4 sets) in each lane and safety mats on the ground.</li><li>• Must include IFSC Official Speed holds, Speed footholds, and additional positive grip holds (jugs).</li><li>• Routesetting: At least two lanes should be set with different sections of the official Speed route, including the start and finishing segments. Additional Speed holds should be placed for ladder styles allowing athletes to race up and down.</li></ul> <p>Speed event when held with other discipline:</p> <ul style="list-style-type: none"><li>• LOC should consider utilizing the existing Boulder warm-up wall, ensuring adequate space of the wall is reserved for Speed warm-up routesetting. In this case, auto-belay systems are not needed.</li><li>• LOC should consider having minimum one or two 5° profiles in the existing Boulder wall to set up the speed holds following the guidelines as above.</li></ul>
<b>Back of the Wall (behind the FOP stage)</b>	<ul style="list-style-type: none"><li>• Circulation of an average of 2m needs to be maintained backstage of the FOP walls.</li><li>• This space is used for various sub-spaces, such as call zones, transit zone, technical incident waiting area, doping control notifications, and scaffolding access.</li></ul>



Area / Space	Functional Descriptions and Technical Specifications
<b>Other Guidelines – Walls</b>	
<b>Training Wall</b>	Availability of the Lead and Official Speed wall for training purposes are optional, depending on the existing training center or commercial gyms in the host city. The LOC is strongly recommended to open their training center to the teams or make the information of existing facilities in and around the city available to the teams before the event.
<b>Look of Walls and Sourcing (For multi-discipline events)</b>	<ul style="list-style-type: none"><li>When the IFSC Event format features three or more disciplines of Sport Climbing, it is recommended the walls are be sourced from a single wall supplier to ensure consistent quality across all walls and to minimise logistical challenges for the LOC.</li><li>The look and branding of the walls must be also aligned to achieve the highest level of consistency. This includes ensuring a good visual matching of all walls, maintaining consistent quality of finish and lighting reflection on the panels. The aim is to achieve the ideal tones and presentation of the FOP for broadcasting and sport presentation.</li></ul>

**3.2. Field of Play (FOP) and Back of House (BOH) Requirements and Guidelines**

Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Field of Play (FOP) – Competition Area</b>		
FOP Stage	<ul style="list-style-type: none"><li>The stage height should be determined based on the venue layout, ensuring clear visibility for the audience and optimal functionality for competition operations. Stairs should be installed at the front and back of FOP to access from ground to stage.</li><li>Load Capacity: The stage must be engineered to withstand the combined weight of the climbing wall and any associated equipment. It should be designed to support a distributed load of at least 10 kN/m<sup>2</sup> across the entire platform and concentrated loads in areas with anchor points for the climbing wall.</li><li>Primary Structure: The stage must be constructed using high-strength materials such as structural steel, aluminum, or a combination of both. The frame must provide sufficient rigidity and resistance to vibrations or dynamic loads from all activities.</li><li>Decking: The surface decking should be made from slip-resistant, fire-retardant materials capable of handling high foot traffic and heavy loads. It must be securely anchored to prevent movement under dynamic loads.</li><li>Cover: The stage may be covered with carpet material to provide a clean and finished look of FOP. In case not water resistant, the carpet should be changed after rain.</li><li>Safety Standards: The entire stage structure must comply with relevant structural safety codes and standards, including EN 12572-1 for climbing walls and EN 1090 for steel and aluminum structures, or their equivalent national standards.</li><li>Discipline-specifics: Additional space may be required for equipment and audience considerations.</li></ul>	Vary by discipline as below
FOP Stage (Boulder)	<ul style="list-style-type: none"><li>Height: Average 1m (min 0.8m – max 2m)</li><li>If the stage height exceeds more than 1.5m, the judge's corridor should be an elevated platform to ensure the visibility of athlete's start to the judges.</li><li>Length: Min. 35m (30m wall + average 2.5m mat on each side) excluding athlete gates.</li><li>Width: 6-8m based on the wall profiles</li><li>Minimum 1m of footpath space must be provided for circulation and for brushers' position when the Boulder mats are placed on the stage.</li><li>Recommended adequate stage area is 200m<sup>2</sup> to 300m<sup>2</sup>, ensuring sufficient space for the wall, athletes, brushers, and other operational needs.</li></ul>	Average 200 to 300m <sup>2</sup>
FOP Stage (Lead, Para)	<ul style="list-style-type: none"><li>Height: Average 1m (min 0.8m – max 2m)</li><li>Length: Min. 14m - 16m (subject to wall dimension) excluding athletes gates</li><li>Width: 10-11m to accommodate standard 8-9m overhang</li><li>Accessibility: For Para event, the wall must be wheelchair accessible.</li><li>Recommended adequate area is 170m<sup>2</sup> to 225m<sup>2</sup>, ensuring sufficient spaces for belayers and safe landing of athlete after falling from the overhang profile of the wall.</li></ul>	Average 170 to 225m <sup>2</sup>
FOP Stage (Speed, Para)	<ul style="list-style-type: none"><li>Height: Average 1m (min 0.8m – max 2m)</li><li>Length: Min. 8m (6m wall + 1m space on each end) excluding athletes gates</li><li>Width: Min. 5m of flat empty surface in front of the wall</li><li>Accessibility: For Para event, the wall must be wheelchair accessible.</li><li>Recommended adequate area for the Speed Stage is 100 to 150 square meters.</li></ul>	Average 100 to 150m <sup>2</sup>



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Athlete Entrance &amp; Exit Gate</b>	<ul style="list-style-type: none"><li>Two gates per wall required on the FOP. The gates should be located parallel to the climbing wall, ensuring that athletes cannot see other competing athletes on the FOP.</li><li>For events featuring multiple disciplines, the number of gates should be increased as needed. The shared gates are possible, provided the gate allows athlete flow to each wall efficiently.</li><li>Dimensions: 2.5m x 3m including branded arch as specified in the Event Branding.</li></ul>	2 gates per wall
<b>Leaders' Corner (Lead only)</b>	<ul style="list-style-type: none"><li>Placement: It is located on the FOP for the Lead finals only. Athletes are visible to TV cameras and the audience and should also have a view of the scoreboard.</li><li>Seating: The area should provide comfortable seating options for athletes, such as chairs or sofas with consistent and uniform appearance.</li></ul>	Existing space on FOP
<b>Lift Pathway</b>	<ul style="list-style-type: none"><li>Pathway width: Consider 3m wide for the circulation pathway when the lift is used around the FOP. It is also crucial to anticipate its contingency space in case the lift is immediately required during the competition to solve any unforeseen technical issues.</li><li>Pathway protection: Given the lift is a heavy vehicle, its pathway must resist its weight, flat and solid under any weather conditions when outdoor venues. For outdoor venues when the ground involves grass and soil, consider installing temporary ground protection mats such as trackway.</li></ul>	3m for circulation
<b>Judges' Area &amp; Timing system &amp; Broadcasters</b>	<ul style="list-style-type: none"><li>Should be positioned on the ground immediately off the FOP stage with a direct view of the competition wall. Along with competition officials and operational staff, timing &amp; scoring providers as well as broadcasters and their camera positions share space within the Judges' Area. The area is equipped with tables and chairs.</li><li>The corridor should have a minimum depth of 4m. Additional space may be required subject to other equipment and camera footprints.</li></ul>	-
<b>Team Officials' Area</b>	<ul style="list-style-type: none"><li>It is a restricted zone accessible only to team officials registered with IFSC license. Only team officials with competing athletes in the relevant phase of the competition are allowed access.</li><li>The area should have a minimum depth of 3m. It should be located immediately behind the Judges' Area to facilitate communication and appeals. The area is equipped with chairs and offer a direct view of the wall and athletes' performance.</li><li>The area should either have a direct view of the live results displayed on the screen or be equipped with a dedicated screen for Team Officials.</li><li>Wi-Fi Connection is mandatory in this area.</li></ul>	-
<b>Photographers' Area</b>	<ul style="list-style-type: none"><li>Photo positions should be located in parallel to or behind the Team Officials' Area. This is a restricted zone, accessible only to the IFSC Official Photographer(s), LOC Photographer(s), and other accredited media.</li><li>Additional photo positions should be located at the sides of the wall to allow for diverse angles and coverage of the competition.</li><li>The positions should also be designed to avoid obstructing the view of spectators.</li><li>The area should have a minimum depth of 3m to accommodate photographers carrying photo and filmmaking equipment.</li><li>Volunteer should be provided by the LOC to manage and control the access.</li></ul>	-



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Back of House (BOH) – Warm-up and Athletes' Areas</b>		
<b>Isolation Zone, Warm up &amp; Relaxation  (Boulder, Lead, and Para)</b>	<ul style="list-style-type: none"><li>• Access: The isolation zone is a restricted area accessible for registered athletes for the relevant round of the competition and accompanying team officials as per IFSC rules. The isolation zone is separated from all other public areas, strictly allowing accredited officials, staff, and volunteers responsible for the area to enter. Other persons may be allowed with permission from the IFSC Jury President. Limited broadcasting crew and cameras are permitted in the zone under strict scrutiny and agreement between IFSC Event Delegates and broadcasters, in which case shall be informed to the teams during the Technical Meeting.</li><li>• Dimension: Minimum of 450m<sup>2</sup>. Subject to the athletes' quota and the scope of the event, the space should be sufficient to accommodate athletes, team officials, operational staff and volunteers, and the warm-up wall facilities.</li><li>• Location: The isolation zone can be located indoors, outdoors, or both. If it is located entirely or partially outdoors, a roof/cover should be provided in case of rain/heat.</li><li>• Proximity to the FOP: Ideally, there should be direct access or not exceeding 300-500m by foot to the Call Zone and FOP. Pathway should be protected from weather.</li><li>• Temperature: The temperature be maintained between 20°C and 25°C. Depending on the venue's climate, additional heating or air conditioning and fans may be necessary to achieve this range.</li><li>• Sound: Ideally, the isolation zone must be soundproofed to prevent athletes from hearing noises from the competition arena, particularly commentary or information about other competing athletes. However, if the warm-up wall is positioned directly behind the competition wall and full soundproofing is not guaranteed, the LOC should take reasonable measures to reduce sound exposure.</li><li>• Check-in: A registration desk should be set up at the entrance to verify athlete's identification and distribute bibs.</li><li>• Device collection: Athletes and team officials are prohibited from possessing any electronic/non-electronic transmitting or recording devices within the isolation zone, and they must not have access to any public transmitting equipment. The LOC must collect, label, securely store, and return these devices to the respective owners after the completion of the round is completed (for athletes) or when team officials exit the isolation zone.</li><li>• Equipment and services:<ul style="list-style-type: none"><li>- A designated snacks &amp; beverage area should offer fruits, snacks, water, and both cold and hot drinks at minimum. The LOC should communicate the type of snacks available during the Technical Meeting.</li><li>- Ice and ice dispenser.</li><li>- Warm up tools as specified in the equipment list.</li><li>- Start lists for competition rounds, including the updated schedule and any other information for athletes and team officials.</li><li>- A relaxation space equipped with seating, mats for stretching and aerobic activities</li></ul></li></ul>	Min. 450m <sup>2</sup>



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Warm up &amp; Relaxation Zone (Speed)</b>	<ul style="list-style-type: none"><li>Access: The warm up zone is accessible for registered athletes for the relevant phase of competition and accompanying team officials as per IFSC rules. Limited broadcasting crew and cameras are permitted in the zone under strict scrutiny and agreement between IFSC Event Delegates and broadcasters, in which case shall be informed to the teams during the Technical Meeting.</li><li>Dimension: Minimum of 200m<sup>2</sup>. Subject to the athletes' quota and the scope of the event, the space should be sufficient to accommodate athletes, team officials, operational staff and volunteers, and the warm-up wall facilities.</li><li>Location: The warm up zone can be located indoors, outdoors, or both. If it is located entirely or partially outdoors, a roof/cover should be provided in case of rain/heat.</li><li>Proximity to the FOP: Ideally, there should be direct access or not exceeding 300-500m by foot to the Call Zone and FOP. Pathway should be protected from weather.</li><li>Temperature: The temperature be maintained between 20°C and 25°C. Depending on the venue's climate, additional heating or air conditioning and fans may be necessary to achieve this range.</li><li>Sound: Ideally, the isolation zone must be soundproofed to prevent athletes from hearing noises from the competition arena. However, if the warm-up wall is positioned directly behind the competition wall and full soundproofing is not guaranteed, the LOC should take reasonable measures to reduce sound exposure.</li><li>Check-in: A registration desk should be set up at the entrance to verify athlete's identification and distribute bibs.</li><li>Equipment and services:<ul style="list-style-type: none"><li>A designated snacks &amp; beverage area should offer fruits, snacks, water, and both cold and hot drinks at minimum. The LOC should communicate the type of snacks available during the Technical Meeting.</li><li>Ice and ice dispenser.</li><li>Warm up tools as specified in the equipment list.</li><li>Start lists for competition rounds, including the updated schedule and any other information for athletes and team officials.</li><li>A relaxation space equipped with seating, mats for stretching and aerobic activities</li></ul></li></ul>	Min. 200m <sup>2</sup>
<b>Changing Room and Toilets</b>	<ul style="list-style-type: none"><li>Changing room including toilets and hand washing facilities</li><li>Must be inside or immediately adjacent to Isolation Zone, Warm-up &amp; Relaxation Area.</li></ul>	-
<b>Physiotherapy Area</b>	<ul style="list-style-type: none"><li>Within the Isolation Zone, Warm-up &amp; Relaxation Area, as a designated space or room.</li><li>The LOC should provide a minimum of 2 physiotherapists during all competition phases to ensure that athletes, including those without personal or team physiotherapists, have equal access to the service.</li></ul>	Within warm-up or adjacent
<b>Call Zone(s)</b>	<ul style="list-style-type: none"><li>Designated zone where athletes wait their turn to compete, making final preparations, put on their climbing shoes, and leave their belongings (bags, shoes, jackets, etc.).</li><li>The area should have seating, boxes for belongings, a timer screen, water, and a start list. If the Call Zone is far from the warm-up zone, additional warm-up tools such as mats, fingerboards and pull-up bars should be provided.</li></ul>	Min. 25m <sup>2</sup>



Area / Space	Functional Descriptions and Technical Specifications	Area (m2)
Call Zone Toilets	<ul style="list-style-type: none"><li>Nearby toilet and handwashing facilities are necessary for athletes.</li></ul>	-
Transit Zone	<ul style="list-style-type: none"><li>The transit zone connects the back of the wall to the FOP, and this pathway must be protected from rain and stay dry.</li><li>The transit zone serves as an extension of the Isolation Zone, following the same restricted access rules for Boulder and Lead disciplines. For Boulder, athletes wait in the Transit Zone after their attempt on the boulder until they are called to the Call Zone, ensuring that post-climb athletes are kept separate from pre-climb athletes.</li><li>Athletes find their boxes of belongings, as transported by the volunteers from the call zone. The area includes seating, warm-up tools, a timer screen, water, and a start list.</li></ul>	Existing corridor space back of the wall or an overlay tent
Technical Incident Zone	<ul style="list-style-type: none"><li>Within the Transit zone, a designated space with chairs should be prepared when athletes are brought to the back of the wall after technical incident occurs on the FOP.</li><li>Affected athletes are kept under the Isolation conditions for relevant disciplines and separate from pre-climb athletes.</li></ul>	-
After Climbing Zone (Boulder only)	<ul style="list-style-type: none"><li>Athletes competing in Boulder must wait in this area for 5 minutes after their climb on each boulder. If no appeals are received by the IFSC within this time, athletes may proceed to the Transit Zone to attempt the next boulder or exit the FOP if they finished their climb.</li><li>The area is protected from external view and stay quiet, equipped with chairs.</li></ul>	Within existing backstage space
Debrief Zone (Speed only)	<ul style="list-style-type: none"><li>A designated debrief zone applicable for Speed only, where Team officials can discuss the run and provide immediate feedback to athletes.</li><li>Ideally, this space should be positioned near the athlete's exit flow from the FOP or close to the Call Zone, while remaining clearly separated from the Call Zone where coaches are not permitted.</li></ul>	Existing space near FOP or Call Zone
Medical Room	<ul style="list-style-type: none"><li>Located in the BOH, in close proximity to the Isolation Zone, Warm up &amp; Relaxation Area and FOP, medical services should be available for athletes during warm-up and competition in case of injuries, REDs testing, and other immediate medical support.</li><li>2 rooms are required to accommodate 2-4 people at once, equipped with ventilation and medical equipment as specified in the Medical Equipment List.</li></ul>	2 rooms 25m <sup>2</sup> each
Anti-Doping Room	<ul style="list-style-type: none"><li>Dimension: Minimum 25m<sup>2</sup> to comfortably accommodate anti-doping officials, athletes, and necessary equipment. Adequate space for sample collection, testing, and administrative activities must be considered.</li><li>Security: The anti-doping room must have controlled access, limiting entry to authorised personnel only.</li><li>Storage: Secure storage must be provided for collected samples and related documentation until transportation to the testing laboratory.</li><li>Furnishings &amp; equipment: The room must be equipped for urine and/or blood sample collection in compliance with international anti-doping standards as well as a comfortable waiting area for athletes.</li><li>Accessibility: The room should be accessible to athletes with disabilities, ensuring equal opportunity for all participants.</li></ul>	Min. 25m <sup>2</sup>



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Back of House (BOH) – Other Operational Areas</b>		
<b>Mixed Zone (MXZ)</b>	<ul style="list-style-type: none"><li>A designated corridor where broadcasters and accredited media conduct flash interviews with the athletes as they exit from the FOP. Interviews are recorded in front of the IFSC backdrop, with access granted to all accredited media.</li><li>The zone must be immediately adjacent to the FOP and near the athlete exit point from the FOP for efficient transition from FOP to MXZ.</li><li>The area, coordinated with IFSC Communication team, must be quiet, rain-protected, and inaccessible to the audience.</li><li>Flow: Athletes should pass through the broadcast mixed zone first, followed by the press mixed zone. While all athletes must pass through MXZ after semifinal and final rounds of the competition, stopping for media request is not obligatory.</li></ul>	Varies
<b>Venue Results Room</b>	<ul style="list-style-type: none"><li>Central point for results operations equipped with IT infrastructures and printers. Competition officials undertake results process and prepare publication of various outputs such as startlists and official results.</li><li>Close proximity to the FOP or adjacent to the Video Control Room.</li></ul>	Min. 18m <sup>2</sup>
<b>Video Control Room</b>	<ul style="list-style-type: none"><li>The video control room is equipped with video replay systems for monitoring and reviewing footage for appeals or addressing technical incidents.</li><li>The room must be separated from but immediately adjacent to the Venue Results room, ensuring fast communication while offering a quite and confidential space for decision-making process.</li></ul>	Min. 15m <sup>2</sup>
<b>Equipment Storage (Boulder, Lead, Para)</b>	<ul style="list-style-type: none"><li>A dedicated, secure storage room to house all necessary sport equipment. The storage stores completed competition routes and boulders after routesetting, until they are moved to the FOP for the competition round.</li><li>Must remain securely locked outside of operational hours to prevent loss or damage.</li><li>The space should be equipped with partitions, racks, shelves, and trolleys to facilitate organized storage, particularly various size and large quantities of Holds, and Macros, and Volumes, and to transfer them efficiently to the FOP.</li><li>A minimum of 50m<sup>2</sup> per discipline is necessary. If multiple disciplines are being held, the storage size should increase proportionally to accommodate the significant rise in the number of holds and other equipment.</li></ul>	Min. 50m <sup>2</sup> per discipline
<b>Equipment Storage (Speed)</b>	<ul style="list-style-type: none"><li>A dedicated, secure storage room to house all necessary sport equipment.</li><li>Must remain securely locked outside of operation hours to prevent loss or damage.</li><li>The space should be equipped with partitions, racks, shelves, and trolleys to facilitate organized storage and transfer them efficiently to the FOP.</li><li>A minimum of 20m<sup>2</sup> per discipline is necessary.</li></ul>	Min. 20m <sup>2</sup>
<b>IFSC Event Delegate &amp; ITO Room</b>	<ul style="list-style-type: none"><li>Office space primarily for competition preparations and meetings.</li><li>In proximity to the FOP for direct access, equipped with chairs, tables and printers.</li></ul>	Min. 15m <sup>2</sup>
<b>IFSC Office</b>	<ul style="list-style-type: none"><li>Office space for international federation to oversees all aspects of the event delivery.</li><li>Located close to the LOC Competition Management Office in the BOH Area.</li></ul>	Min. 25m <sup>2</sup>



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>LOC Office</b>	<ul style="list-style-type: none"><li>Office space for LOC competition management team to organize all aspects of event.</li><li>Located close to the IFSC Office in the BOH Area.</li></ul>	As needed
<b>NTO Meeting Room</b>	<ul style="list-style-type: none"><li>Office space primarily for National Technical Officials and used for meetings and preparation for competition.</li></ul>	Min. 20m <sup>2</sup>
<b>Toilets – Officials &amp; staff</b>	<ul style="list-style-type: none"><li>Nearby toilet and handwashing facilities close to the FOP for officials and staff.</li></ul>	Varies
<b>Venue Press Room</b>	<ul style="list-style-type: none"><li>Common workstations with seats and tables for all accredited press and media representatives for the entire duration of the event.</li><li>Daily opening hour is 1 hour before the start of the competition and close 2 hours after the end of the competition. Operational hours are displayed at the information desk.</li><li>Soft drinks and snacks are recommended.</li></ul>	Varies
<b>IFSC Media Room</b>	<ul style="list-style-type: none"><li>Located within the Venue Press Room or adjacent to it, a separate room dedicated to the IFSC Communication team and photographer(s).</li></ul>	Min. 15m <sup>2</sup>
<b>Technical Meeting Room</b>	<ul style="list-style-type: none"><li>A reserved meeting room should be reserved for the Technical Meeting scheduled the day before the competition starts. This room is also used for registration confirmations.</li><li>Situated in the BOH at the venue, unless an alternative location, such as the Official Hotel (when a single hotel is designated) is agreed upon.</li><li>Sufficient space to accommodate 40-50 people.</li></ul>	Min. 60m <sup>2</sup>
<b>Lift Parking</b>	<ul style="list-style-type: none"><li>Location: Reserved parking area ideally behind or adjacent the FOP walls when the lift is not in use for a clean FOP view and avoid being captured in the broadcast cameras.</li><li>Parking Space: Allocate a minimum of 3m x 3m per lift, considering the large size and extended front of the vehicle.</li></ul>	9m <sup>2</sup>
<b>Ambulance parking</b>	<ul style="list-style-type: none"><li>Parking space for ambulances, accessible for all competition officials, staff, athletes, and team officials. Located close to FOP or Athlete Medical Room or Warm-Up area.</li><li>There should be a separate additional ambulance parking for spectators.</li></ul>	40m <sup>2</sup>
<b>Parking Lot</b>	<ul style="list-style-type: none"><li>1x parking space reserved for IFSC staff</li><li>1x parking space reserved for the SNG truck with access to power and internet connection not more than 50m away from the IFSC Production Team area</li><li>1x parking space reserved for the IFSC Production Team access to power and internet connection.</li></ul>	Varies



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Para-specific (Classification Rooms when applicable)</b>		
<b>Physical Impairment (IP) Classification Room</b>	<ul style="list-style-type: none"><li>IFSC will provide a minimum of 1 panel (2 panels are standard) per competition in which classification will take place. Each panel is composed of 2 Classifiers.</li><li>LOC should provide<ul style="list-style-type: none"><li>1 private room per each panel (no glass doors/street windows visible from public) to accommodate 4-6 people, equipped with ventilation and required facilities;</li><li>Check-in table with 2 chairs outside classification rooms;</li><li>Waiting area for athletes and aides</li><li>Wi-Fi for IFSC Staff and Classifiers and teams</li></ul></li></ul>	20 m <sup>2</sup>
<b>Visual Impairment (VI) Classification Room</b>	<ul style="list-style-type: none"><li>IFSC will liaise with the International Blind Sports Association (IBSA) to provide the classifiers, with a minimum of 1 panel per competition in which classification will take place. 1 panel is composed of 2 classifiers.</li><li>VI classifiers are not directly engaged by IFSC and thus may not always be guaranteed at IFSC competitions. Equipment and requirements for VI Classification are set out in the <a href="#">IBSA Classification Manual for Competition Organisers</a> (Section 4 "Equipment, Areas and Staff") and it is the responsibility of the LOC to provide the appropriate facilities.</li></ul>	20 m <sup>2</sup>



### 3.3. Front of House (FOH) Requirements and Guidelines

#### Spectator's Viewing Concepts

Sport Climbing competitions are typically held both indoors and outdoors, with standing and regular grandstands as spectator viewing options. Sport Climbing is unique in that the main viewing focal point for spectators is often positioned above ground level, and this should be taken into account when designing viewing arrangements. As a general rule, spectators should be allowed as close to the FOP as possible to enhance the quality of the guest experience and overall event ambiance.

The final decisions regarding spectator viewing experiences should be made in close collaboration between the IFSC and LOC, in addition to ticketing demand based on market research and the host country's needs.

The LOC should consider the following spectator viewing configurations, in consultation with the IFSC and based on venue-specific considerations, to determine the best fitting solutions:

##### Option 1: Standing only

- The large space in front of the wall is designated for standing spectators.
- While this maximizes spectator capacity, the LOC must implement appropriate safety measures to ensure standing spectators comply with local regulations, including fire and emergency safety protocols.
- This configuration is implemented in the events such as the IFSC World Cup in Chamonix and Innsbruck.

##### Option 2: Ground-Level Seating with Supplementary Standing Areas

- A single arrangement of seats is complemented by standing areas behind and around the seating sections.
- While standing areas can help maximize spectator capacity, they should be efficiently managed, and the LOC should ensure that these areas comply with local safety regulations, including those for fire and emergency situations.

##### Option 3: A combination of Ground-level and Elevated Bleacher Seating

- Ground-level seating is provided in front of the wall, with bleacher seating positioned behind.
- This configuration offers spectators the option of close proximity to the FOP (when seated on the ground level) and an elevated perspective (from the bleachers). This also allows LOC to adopt varied ticketing prices catering different needs of spectators.
- **This option is mandatory for the Olympic and Paralympic Games**, subject to agreement with Games LOC.

The spectator's area may be ticketed or accessible without an entrance fee at the discretion of the LOC.

#### Spectator's Capacity

The competition venue should offer varied spectator's capacity depending on the scope of the event and depending on the spectator's viewing configurations, considering venue-specific considerations as each venue differs from one another.

- Olympic and Paralympic Games: A minimum 8,000-9,000 capacity
- IFSC World Championships: A minimum 5,000 spectator capacity
- IFSC World Cup: A minimum 2,000 spectator capacity subject to a number of disciplines and venue considerations
- Other Multi-Sport or Regional Games: Subject to a number of disciplines and its scope of format as well as other venue-specific considerations (e.g., standalone or shared-venue with other sports)

The next table outlines the list of areas in the Front of House.



Area / Space	Functional Descriptions and Technical Specifications	Area (m <sup>2</sup> )
<b>Front of House (FOH)</b>		
<b>Spectator Area</b>	<ul style="list-style-type: none"><li>The area in front of the wall should be a large space equipped with seating and/or grandstands or standing areas.</li><li>Refer to the minimum spectator's capacity per event above.</li></ul>	Varies
<b>Videoboard</b>	<ul style="list-style-type: none"><li>Dedicated spaces for two big videoboards (min. 3m x 2m per each) for results and live streaming.</li><li>All videoboards and other timing screens must be visible to officials, team officials, and audience, but they should not be visible from the athlete's position (wall, call zone, transit) before and during competition.</li></ul>	Min 3x2m per screen
<b>Athletes and Team Seats</b>	<ul style="list-style-type: none"><li>Dedicated seating, separated from the crowd, should be prepared for athletes and team officials who are not competing to view the competition. It shall be placed close to the FOP.</li><li>The seat capacity should consider a minimum of 70% of the total registered athletes and team officials.</li></ul>	Varies
<b>VIP Lounge</b>	<ul style="list-style-type: none"><li>The lounge, with a clear view of the FOP and protected from weather, should be comfortably accommodating all expected VIPs and other guests from the IFSC and LOC.</li><li>A minimum of 150 people capacity.</li></ul>	Varies
<b>VIP Seats</b>	<ul style="list-style-type: none"><li>Dedicated seating should be prepared for IF Presidents and other VIP guests close to the FOP and in a short distance from the VIP lounge.</li><li>The seat capacity should consider a minimum of 70% of the total expected guests.</li></ul>	Varies
<b>IFSC Production Team or Host Broadcast Area</b>	<ul style="list-style-type: none"><li>A reserved area for housing the IFSC Production team (or Host Broadcaster)</li><li>Refer to Production Team Requirements annex.</li></ul>	Varies
<b>Sport Presentation Booth</b>	<ul style="list-style-type: none"><li>Operational space, protected from the weather, for the Sport Presentation team (Venue Producer, Assistant Venue Producer, Venue MCs/Speakers, DJ) to oversee and undertake all aspects of sport presentation operations in close coordination with IFSC and TV.</li><li>Positioned with a direct view of the FOP, ideally before the spectator's area or on the central or top part of the grandstand.</li></ul>	Varies
<b>Commentator Booth</b>	<ul style="list-style-type: none"><li>Operational space for the IFSC Commentator and co-commentator</li><li>Positioned ideally before the spectator's area.</li></ul>	Varies
<b>Sponsor booths and activations area</b>	<ul style="list-style-type: none"><li>This area serves as a designated space for event sponsors to showcase their brands, products, and services through interactive displays, demonstrations, and engaging activities. It is designed to maximize visibility and attendee engagement with sponsors.</li><li>Position should be near entryways, networking areas, or main event pathways to ensure maximum footfall.</li></ul>	Varies



#### 4. List of Furniture, Fixtures, and Other Equipment (FFE) & Technology Items

The table provides a list of furniture, fixtures, and technology items. Other items are not detailed within this table and should be considered alongside the respective references:

- Refer to *IFSC Lighting Guidelines* for lighting equipment specifications.
- Refers to *IFSC Routesetting & Sport Equipment* list for sport equipment requirements.
- Refer to *IFSC Award Ceremony Protocol* for ceremony equipment and requirements.
- Refer to *IFSC Timers Specifications* and *Speed Automatic Timing Systems Specifications* for timing equipment.

Space	Items	Quantity
Judges' Area Boulder	Tables	8
	Chairs	16
	Bin	2
	Tablets / I-pad for the result system	10 – 12 (one per boulder)
	S/D cameras with backup S/D cards	8 – 12 (enough to get all boulders)
	Tripods for cameras	8 – 12
Judges' Area Lead	Tables	4
	Chairs	8
	Bin	2
	Tablets / I-pad for the result system	6
	S/D cameras with backup S/D cards	6
	Tripods for cameras	6
Judges' Area Speed	Tables	2
	Chairs	6
	Bin	2
	Tablets / I-pad for the result system	2
	S/D cameras with backup S/D cards	2
	Tripods for cameras	2
Team Officials Area	Chairs	As needed
Photographers' Area	Benches	As needed
Isolation Zone, Warm-up & Relaxation Area	Chairs	As needed
Transit Zone	Countdown / Timer Screen	1
	Warm-up equipment, allowing at minimum Athletes to hang themselves on 3-4 type of climbing holds	1
	Training board	1
	Water / Ice dispenser	1
	Chairs	8
	Boxes to facilitate the moving of athletes' belongings	8
	Board for start list	1
After Climbing Zone	Chairs	4-8
Technical Meeting Room	Wi-Fi Coverage	1
	Bin	2
	Chair	50
	Table	2
	Screen for PPT presentation or beamer	1
Videoboard	Audio System	1
	Giant Led Screen – results (min. size 3mx2m)	1
	Giant Led Screen – live streaming (min. size 3mx2m)	1
PA System	Sound system	1



Medical Room	Microphones for MC	4
	Microphone for Speed Starter For speed starting procedure (beeps), it should be connected with the Speed Timing system and should be heard clearly by IF officials, athletes, team officials, and spectators.	1
	Wi-Fi Coverage	1
	Bin	2
	Chair	8
	Table	2
	Physio benches / bed	2
	Ice	500 kg
	first-aid/medical backpack;	
	1x automated external defibrillator;	
	1x oxygen (ventilation/respiratory equipment).	
	Hygiene articles: Rubbish bags, masks, disinfection, gloves etc.	
	Venous access: Discharge container, infusion system, saline solution, injection etc.	
Medical Room - REDs Testing Equipment	Diagnostic: Pulse oximeter, pupil light, blood pressure monitor, blood glucose meter, blood glucose test strips, lancets, stethoscope, thermometer	
	Immobilisation: Stifneck collar, pelvic sling	
	Respiratory & Intubation: Suction catheter, respiratory mask, oxygen mask, oxygen goggles, intubation target, laryngoscope	
	Bandage material: Burn dressing cloth, universal bandage, compress, leukoplast, rescue blanket, scissors, tweezers	
	scales (calibrated if possible and on appropriate hard and flat flooring)	2
	Stadiometers	2
	blood pressure gauges/cuffs (regular size cuff; for the arm, not the wrist); prefer manual sphygmomanometers but trusted electronic monitors are ok.	2
	stethoscopes if manual sphygmomanometers	2
	large blood pressure cuff (may have athlete with particularly large biceps)	1
	fingertip pulse oximeters to obtain HR quickly and easily if taking manual blood pressure	2
	Batteries for electronic scales, BP, and HR monitors	
	examination tables (1 examination table per room)	2
	large paper roll for the examination tables (1 paper roll per examination table)	2
	tables to sit 2 people per side (1 table per room)	2
	chairs	4-6 (2-3 chairs per room)
	3 clipboards and pens	3
	Spray sanitiser and paper towels	
	Table to sit 4 people per side	1



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Physical Impairment (PI) Classification	Chairs for outside classification room	2
	Chairs for inside	4-6
	Physio bed	1
	Large paper roll for the physio bed	1
	Rolls of wide masking tape (5-7cm) and markers	2
	Clipboards	6
	Spray sanitiser and paper towels	2
	Bath towel	1
Mixed Zones	Interview backdrops for filmed interviews	2
	Appropriate lighting	Varies
Venue Results Room	Computer	5
	Bin	2
	Chair	8
	Table	4
	Laser printer	1
Video Control Room	Monitor to check video recording	1
IFSC Event Delegate & ITO Room	Bin	2
	Chair	8
	Table	4
	Laser printer	1
IFSC Office	Bin	2
	Chair	8
	Table	4
LOC Office	Computer	5
	Bin	2
	Chair	8
	Table	4
	Laser printer	1
Media Workroom	Tables + chairs	Adequate for min 50 pax
	High-speed internet connection	1
	Lockers for photographers	Adequate for min 50 pax
	Screen with results	1
	Board	1
	Printers / copy machine	1
Cleaning tools	Various cleaning tools to clean and maintain the FOP (e.g., large sized mops, squeezes to sweep and remove excess water on the stage/mats after rain.)	Varies
	Large-sized umbrellas for weather protection and small/portable umbrellas, towels.	
General electricity facilities	Electricity system sufficient to accommodate the IFSC Event's organisation + back-up electrical power source.	
Internet	A dedicated 120 Mb/s symmetrical bandwidth to accommodate the webcasting needs.	1
	A dedicated 80 Mb/s symmetrical bandwidth to accommodate the needs of the IFSC Result Service connection, press office, IFSC Delegation and LOC offices, and team manager.	1
	<i>Note: The webcasting and Result Service connection should be independent from the others and be effective from 24 hours before the IFSC Event to 10 hours after the event.</i>	