



RIGGING GUIDELINES

RIGGING RULES & REGULATIONS

RIGGING DEFINED

The term “rigging” as used in this document refers to the overhead suspension of objects from any portion of the physical building. Rigging diagrams (CAD drawings) are available through your Event Manager.

CONTRACTOR GUIDELINES

Contractors are expected to submit rigging plans to the Convention Center through the Event Manager for review and approval. Contractors shall notify the Convention Center immediately if any rigging requests are made which do not comply with stated rules and regulations.

Contractors are expected to abide by all rules and regulations of the Convention Center. All rigging must be done with rated, stamped, and approved hardware only.

The Convention Center will charge the rigging contractor for any costs associated with damage done to the building.

EXHIBIT HALLS 4ABC

Catwalk

Hanging from catwalks must be a dead hang (vertical) only. Load limit from catwalks is 200 pounds (lbs.) per hanger. Minimum distance between hangers is 25 feet. A maximum of three hangers per 100 feet.

Beams

Hanging from purlines (spreaders between trusses) must be a dead hang only. Load limit from purlines is 200 pounds (lbs.) per point. Minimum distance between points is four feet.

Hanging from bottom chord truss may bridle at no more than 45 degrees. Load limit from bottom chord truss is 1600 pounds (lbs.) per point. Minimum distance between points is four feet.

When wrapping around beams a protective wrap must be used.

Airwall Tracks

Load limit from airwall tracks is 200 pounds (lbs.) per point. Minimum distance between points is four feet. Rigging from airwall tracks shall be with approved hangers only.

NOT Allowed

Rigging is **not** allowed from any fixtures other than catwalks, beams, and airwall tracks. Rigging is **not** allowed from the high steel.

Rigging is **not** allowed from vertical cross members between top and bottom chord truss. Beam insulation may not be removed.

The Level 4 Exhibit Halls (4ABC) require that all hang-points have a 360 degree wrap of protection around the fireproofed structural trusses, and are clear of all sprinkler heads.

EXHIBIT HALL 4D (PEDESTRIAN BRIDGE)

All Rigging must have a protective wrap of carpet around the structural tube to shield it from the rigging gear.





Subcontractors will be charged a minimum of \$100 for damage to the paint on the structural tubing. Damage to the structural tube by denting or scarring due to rigging will be charged to the subcontractor.

Structural Tubing

- 2,500 pounds (lbs.) @ 30' On Center
- 7,500 pounds (lbs.) Maximum Weight per Truss Line

The Structural Tubes are the only elements on the Pedestrian Bridge that any significant rigging loads will be considered for. All other questions regarding rigging in this area must be submitted to the Event Manager at least a month prior to the event so the Event Manager and the Director of Operations can review and comment.

Also, do not assume that any sign can be put up on the Pedestrian Bridge. Treat them as rigging and submit the request at least a month out in advance.

EXHIBIT HALL 4E AND 4F

All rigging must have a protective wrap of carpet around the structural tube to shield it from the rigging gear.

Subcontractors will be charged a minimum of \$100 for damage to the paint on the structural steel.

Main Truss (Runs North and South)

- 2,500 pounds (lbs.) @ 30' On Center
- 20,000 pounds (lbs.) Maximum Weight per Truss Line
- Rig from Bottom Chord of Truss ONLY

Bracing Between Truss (Runs East and West)

- 2,500 pounds (lbs.) @ 30' On Center
- 20,000 pounds (lbs.) Maximum Weight per Brace Line
- Rig from Bottom Chord of Brace ONLY

NOT Allowed

- NO High Steel Rigging
- NO Vertical Steel Rigging
- NO Diagonal Brace Rigging
- NO Hanging of a 2,500 pound (lbs.) Load on a truss and an adjacent brace. Loads must be a full section apart.
- NO Rigging from North Catwalks
- NO Rigging from North Operable Wall Tracks



BALLROOMS 6ABCE

Heavy Load Points

Hanging from heavy load points must be a dead hang (vertical) only. Load limit is 4000 pounds (lbs.) per point.

Airwall Tracks

Load limit from airwall tracks is 200 pounds (lbs.) per point. Minimum distance between points is four feet. Rigging from airwall tracks shall be with approved hangers only.

Catwalk

Hanging from catwalks must be a dead hang only. Load limit from catwalks is 200 pounds (lbs.) per hanger. Minimum distance between hangers is 25 feet. Maximum of three hangers per 100 feet.

Soffits

Rigging from soffits shall be with approved hangers only. Load limit per soffit hanger is 40 pounds (lbs.)

Other

No rigging is allowed from any fixtures other than heavy load points, airwall tracks, catwalks, and soffits.

CEILING LOADS

Please review your overhead equipment hanging needs, in advance, with your Event Manager.

MEETING ROOMS AND HALLWAYS

There are no weight-bearing pick-points in these areas.

SIGNAGE, BANNERS AND DECORATIONS

Your event entrance location will be listed daily by the Convention Center at the elevator and escalator landings.

Signs, banners and decorations may not be affixed to the facility or suspended from any surfaces in the Convention Center without prior review and approval. All items should be freestanding and may not obstruct exit doors, exit lights, fire alarm pull boxes, fire hose cabinets, fire extinguishers or facility signage. Suspension points do not include light fixtures, sprinkler heads, conduit, HVAC ducts, etc.

No pins, tacks or adhesives of any sort are permitted on any wall or door. No signs or banners may be placed on the exterior of the facility.

It is imperative that your banners (size and placement) be approved in advance of your show. Banners may be hung over the Galleria escalators on Levels 2 and 3, provided they allow clearance above the escalator of nine feet and are affixed to the base of the balcony handrail. They must be made of lightweight materials so as not to place undue weight or stress the handrails.

If your event has not hired a show contractor to provide the labor and expertise to handle your signage installation needs, please let us know how we might assist you. Our staff might be able to assist in hanging banners or signs. Check with your Event Manager for the suitable hanging device to bring; many times an "S" hook will work well for lightweight banners and signs.

Our Event Services staff can assist you with identifying directional signage locations that will best meet the needs of your guests arriving on foot, by car, taxi or perhaps a shuttle. We can help you determine the quantities of signage needed and/or the locations.

Show Banners may be placed on certain light poles outside and approaching the Convention Center. These light poles are controlled by the city of Seattle. For information on how to get your banners on these light poles, see below.



For fabrication, installation and city permit:

SuperGraphics

Steve Moreno 206-352-5031

<mailto:stevem@supergraphics.com>

Banners are flex vinyl and double-sided. SuperGraphics makes the banners and installs and removes them. Please call for information about the program and quotes.

For permission to use permanent brackets on the light poles:

John Zavis Seafair 206-684-5267

ENTERTAINMENT TECHNICIAN CERTIFICATION REQUIREMENT - RIGGING

In an effort to ensure the safety of the guests, exhibitors, contractors and employees of the Washington State Convention and Trade Center (WSCC), a rigging installation and inspection program is being implemented.

Effective October 1, 2009, any rigging, either ground supported or aerial (ceiling hung) which falls within the categories listed in ETCP Rigging Requirement – Exhibit A must be installed by a certified rigger with the Entertainment Technician Certification Program. In addition, a rigging supervisor with the ETCP rigging certification must submit inspection and approval documentation, to the WSCC, of all rigging installations as directed in ETCP Rigging Requirement - Exhibit A.

Certified riggers may be employed from service contractors authorized by the event license holder or secured from labor organizations which are signatories to the WSCC Labor Council Agreement.

Rigging supervisors (must be an ETCP certified rigger) are to be determined by the liable installation company. Example: The Audio Visual contractor responsible for a general session would determine who the acting rigging supervisor for their production is. The WSCC requirement for the rigging supervisor is to have a signed acknowledgement, by the supervisor, of WSCC rigging rules and regulations on file along with the written submission of the certified supervisor's name by the employing organization (General Service Contractor, Audio Visual Contractor, etc.).

All service providers and labor organizations must submit their employee's ETCP Rigging Certification documentation to the WSCC Director of Operations at least one week prior to working in the facility. Certification documentation is only submitted once, not for every occurrence of working in the facility. Copies will be accepted at the Security Entrance, by mail or email. WSCC will maintain an approved list (names and certification expiration only) of ETCP certified riggers at the Security Entrance.

Upon arrival at the facility for rigging duty, certified riggers must show identification and be on the approved rigger list. WSCC Security will issue the ETCP rigger a specific wristband that allows them to rig in the facility. Any rigging supervisor or rigger who is not wearing the appropriate wristband will be required to immediately stop working and will be asked to go to Security Control for verification and banding. Repeat offenses of rigging without a wristband will be cause for permanent removal from approved list.

As stated above, a certified ETCP Rigging Supervisor must submit inspection and approval documents assuring that all rigging for each event, whether aerial or ground supported, is accomplished in a safe and effective manner, meeting all requirements, policies and procedures of the WSCC.

Information regarding the certification process can be found at <http://etcp.esta.org>.

Questions regarding the ETCP requirements can be directed to the WSCC Vice President of Operations at (206) 694-5040.



ETCP Rigging Requirement Exhibit A

Aerial Rigging Defined: Attachment to the ceiling grid steel, catwalk, air wall tracks, ballroom points or the suspension of objects from any portion of the physical building.

Exclusions: The WSCC does not require ETCP certified riggers to be used for on-ground movement of equipment associated with aerial rigging project. ETCP riggers are not required for on-ground assembly of truss, signage framing, props or other items to be hung, however, all items required to be attached to truss or other rigging apparatus must be inspected and approved by a Rigging Supervisor who is ETCP certified.

Any object that requires use of a ladder or lift to attach to truss, rigging bar or other apparatus after it has been flown must be completed by an ETCP Certified Rigger.

Aerial Rigging - Signage	ETCP Rigger
Individual Vinyl / Foam Core Signs or Banners over 100 lbs.	Yes
Bridle or Side Load Signage Rigging (all weights)	Yes
Ceiling Hung Rigid Framed Signs or Displays over 100 lbs.	Yes
Ceiling Hung Motorized/Rotating Signs (all weights & sizes)	Yes
Chain Hoists or Powered Devices used to hang Signage (all weights & sizes)	Yes
Air Wall (operable wall) Track Hangers and all attached components (all weights)	Yes
Any point secured by means of Beam Clamp	Yes

Aerial Rigging - Lights, Sound, Projection, Props, Equipment, Drapery	ETCP RIGGER
Bridle or Side Load Rigging (all weights)	Yes
Ceiling Hung Props or Decorations over 10 lbs.	Yes
Ceiling Hung Truss - Hoist, Sling, Choker, Cable, Basket, Span Set, and Beam Clamp point connections or other rigging hardware attached to building or truss.	Yes
Catwalk Hung Lighting, Sound, Projection, Props secured by means of built-in Clamp (over 10 lbs.)	Yes



Operable Wall Track Hangers and all attached components (all weights)	Yes
Attachment of all objects, over 10 lbs., to truss by means of Cable, Sling, Span Set, Wire, Rope, Shackle or other non-clamping device.	Yes
Items secured to truss (while on ground), by means of Clamp, that are over 25 lbs.	Yes
Soft Goods Hardware with live loads (all Pulleys, Traveler Tracks)	Yes

Ground Supported Rigging Defined: Self-supporting Crank-up, Electric, Hydraulic, Mechanized, Self-climbing or Manually Built Truss Systems and Hoisting Towers. Single mast sound and lighting trees or other similar "stick" rigging apparatus.

EXCLUSIONS: The WSCC does not require ETCP certified riggers to be used for on-ground movement of equipment associated with ground supported rigging project. ETCP riggers are not required for on-ground assembly of truss, signage framing, props or other items to be hung.

Aerial Rigging - Signage	ETCP Rigger
Lighting, Sound, Projection or other Equipment, over 10 lbs., hung from Ground Supported Systems, with a trimmed height greater than 12 feet, that are attached by means of Cable, Sling, Span Set, Wire, Rope, Shackle or other non-clamping device.	
Items secured to truss (while on ground), by means of Clamp, that are over 25lbs.	Yes
Items attached to Ground Supported System that require the use of a Lift (all weights and heights)	Yes