



# Northwestern University

Virginia Wadsworth Wirtz  
Center for the Performing Arts

Fall Protection Plan  
Box Booms Rescue Plan  
Last Updated: 9/4/2023

## Box Booms Rescue Plan

**Venue:** Wirtz Center, Josephine Louis Theater

**Work Area:** Box Booms

**Site Supervisor:** Peter Anderson

### Wirtz Staff Competent Persons on Site:

Peter Anderson - (773) 680-9411  
Michael Trudeau - (262) 339-3609  
Chris Wych - (630) 301-9332  
Shannon Perry - (713) 857-0376  
Dylan Jost - (262) 343-2645

### Non-Wirtz Competent Person on Site:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

### Rescue Equipment:

Rescue Kit: Petzl Jag Rescue Kit  
Improvised Anchor Point: (2) Supplemental fall protection anchor straps  
Full Body Harness: 3M DBI-SALA Delta III Construction-style Vest Harness; MSA Workman Full Body Harness; MSA TechnaCurv Full Body Harness; Sapsis ProPlus Basic Harness  
Self-Retracting Lifeline: 3M Protecta Rebel 6' web Self-retracting lifeline

### Location of Equipment:

First landing of the SL spiral staircase

### Anchor Point:

Steel frame above entrance to box boom

### Landing Area:

Far house right and left seating rows

### Emergency Contact:

Emergency Services: Dial 911  
Campus Police: Dial 456 or 847-491-3456 (non-campus phone)  
Closest Phone Location: Hallway by Front Office  
First Aid Kit Location: Make-up Room



# Northwestern University

Virginia Wadsworth Wirtz  
Center for the Performing Arts

Fall Protection Plan  
Box Booms Rescue Plan  
Last Updated: 9/4/2023

## Pre-work Tasks:

1. Verify location of rescue gear
2. Inspect rescue gear per manufacturer specifications
3. Verify all users are familiar with rescue equipment

## Response Procedure:

1. Notify Emergency Services
2. Make medical assessment of worker
3. If possible, have worker perform self-rescue by climbing to safety
4. If self-rescue is not possible, perform a rescue using the Petzl Jag Rescue kit:
  - a. 3 rescuers are needed
    - i. Rescuer 1 will don a harness and will enter the box boom gated area to access the casualty
    - ii. Rescuer 2 will remain behind the railing at the light boom entrance to make connections and do the hauling of the casualty. This role is best filled by the Rescue Leader.
    - iii. Rescuer 3 will be in the house below the boom to help land the casualty safely. It is ideal if this person can be on the phone with emergency responders until they are needed to receive the casualty.
  - b. Rescuers 1 and 2 will get the rescue gear and bring it to the site of the fall, including the rescue kit and two supplemental fall protection anchor straps
  - c. Rescuer 3 will remain in verbal contact with the casualty and will update the team as necessary
  - d. Rescuer 2 will set anchor points on the steel frame of the box boom at the point that it connects to the vertical lighting pipe
    - i. One anchor will hold the rescue rig and will be attached on the side of the lighting pipe that is away from the stage.
    - ii. The other anchor will be set on the stage side of the lighting pipe and will anchor the SRL for Rescuer 1
  - e. Rescuer 1 will climb down into the box boom and connect the rescue rig to the casualty on the front D-ring of the harness
  - f. Rescuer 2 will raise the casualty up using the haul system on the rescue rig.
  - g. Rescuer 1 will disconnect the large SRL from the casualty.
  - h. Rescuer 2 will engage the I.D. lowering mechanism to bring the casualty toward the ground.
  - i. Rescuer 3 will guide the casualty to a safe landing zone on the ground.



# Northwestern University

Virginia Wadsworth Wirtz  
Center for the Performing Arts

Fall Protection Plan  
Box Booms Rescue Plan  
Last Updated: 9/4/2023

5. If possible, a fourth person should be used for the rescue. Rescuer 4 will meet emergency responders and bring them to the area of the casualty.
6. When the casualty is on the ground, perform any necessary first aid and continue assessments, keeping watch for signs of suspension trauma
7. When the incident is resolved, remove the large SRL which caught the casualty and send it back to Chicago Flyhouse so that it can be sent to the manufacturer for inspection and refurbishment
8. When the incident is resolved, meet with all persons involved to assess the rescue process. Conduct training or update the rescue plan as needed to improve the process and ensure safe, efficient rescues in the venue.