**Method Statement**

**Activity Rigging a Point Hoist in the Grid**

**Location Milton Court Theatre Grid**

###### Indoor use only.

**Staff allowed Members of any department once trained.**

**Students allowed** Once. trained

Year Ones Under staff supervision only

Year Two Under staff supervision only

Year Three Under staff supervision only

# Risk Rating A Staff member actively supervising work.

**Date of creation of SWP** 02/04/2014 (Simon Bond))

**Reviewed 21/10/19(Sam Bull)**

**Tasks, Associated Hazards, *Action to be taken to avoid hazards***

1. **Approved Tasks**

*Moving and rigging point hoist in the Milton Court Theatre Grid.*

1. **Before Use.**

*Suitable PPE to be worn- steel toe-capped boots.*

*Clear communications either verbal or over radio, depending on ambient noise levels.*

*Student operator to have reached a suitable level of proficiency.*

*Exclusion zones to prevent unnecessary risk to others.*

*Use of Mobile Maintenance Panel (MMP to move axes in Grid i.e. local control).*

*Suitable tools with lanyards.*

1. **During use**

Use laser plum bob from datum on stage to create position between Grid slats and mark with tape.

Using MMP, take hoist to its high soft limit.

Isolate point hoist (switch off) and disconnect from Harting connector.

Undo the “J” bolts connecting hoist to the Grid.

Pull “BOB” weight through grid and disconnect.

Pull steel wire rope (SWR) hard eye through the take-off point and make safe for travel.

With a minimum of two people slide the hoist into position. If moving between bays take extra precaution by pressing e-stop so no other axes can move.

When in position, feed the SWR through the take-off point and the pull up through Grid to attach the “BOB” weight.

Check that the SWR is in the middle of the space between the slats.

Use hands to “sculpt” SWR around the cable drum to remove any slack.

Fix hoist to the Grid with a minimum of two “J” bolts. If this is compromised by the position of the hoist over the slats, angle the hoist to facilitate bolts.

Connect Harting connector and power up.

Using MMP, check hoist movement and SWR travel.

1. **After use**

*Log out of MMP and disconnect, storing it correctly.*

1. **Noise**

*Surrounding sources of noise should be controlled during automated equipment use to enable clear communication.*

1. **Light**

*Ensure there are sufficient levels of light to allow safe working.*

1. **P.P.E. and clothing**

*Anyone working within the performance venue whilst automated equipment is moving must wear a hard hat below Grid. Safety boots in the Grid.*