

Jack Singer Concert Hall – Rigging Technical Specifications

Introduction:

Note: All overhead rigging must be approved by the JSCH Head of Stage.

“House gear” refers to truss, hardware and machinery that belong to the Jack Singer Concert Hall.

“Rental gear” refers to truss, hardware and machinery provided by the renter.

There are 23 rigging points located in the roof structure of the hall, accessed through holes in the concrete ceiling and acoustic canopy (a large wood and steel structure suspended above the stage). Many of the rigging points have chain hoists that are part of the permanent house installation. Also, because rigging must pass through the canopy and ceiling, bridles are not possible. All house chain hoists are “motor up” and available for use in lieu of (or in addition to) incoming production gear.

All house machines are controlled by a Niscon Raynok Mini Console at stage level. Rental rigging gear cannot be added to the Raynok system. It is the responsibility of the renter to provide control for rental rigging gear.

The concert hall is equipped with the chain hoists, truss and rigging specified in this document.

House Chain Hoists and Locations:

There are 12 LiftKet SB9 Chain Hoists with a WLL of 1250 Kg (2750 lbs.) at a 10:1 WLL. These hoists comply with North American regulations ANSI B30.16 and CSA/UL, as well as European regulation BGV C1. These hoists are located over the stage and are mainly used for overhead lighting truss. The hoists are configured into four “linesets”, with one hoist at centre, one hoist 5.5m (18’2”) left of centre, and one hoist 5.5m (18’2”) right of centre:

Lineset 1: 0.5m (1’8”) DS of the permanent stage lip

Lineset 2: 4.1m (13’4”) US of the permanent stage lip

Lineset 3: 7.4m (24’8”) US of the permanent stage lip

Lineset 4: 9.8m (32’2”) US of the permanent stage lip (**note: the hoists for LS 4 are located in slightly different positions than the other linesets. The centre hoist is actually .4m SR of centre, and the offstage hoists are 5m offstage of centre.**)

There are also 2 LiftKet SB9 Double-reeved chain hoists (BVG D8) with a WLL of 2000 Kg (4400 lbs.) at a 10:1 WLL. These hoists are located .5m (1’-8”) downstage of the permanent stage lip (in line with LS 1) and 7.8m (25’-7”) off centre.

Additional Rigging Points:

The rigging points available for hanging all have a 500Kg WLL. Please refer to the plan at the end of this document for their locations.

Lineset 5:

In addition to the previously-mentioned linesets, there is also a truss hung in line with the upstage wall that is suspended from a 4000lb winch. This truss is exclusively used for hanging soft goods and permanent house stage lighting for orchestra setups.

Truss Inventory:

The JSCH has an inventory of Prolyte H52V 20" aluminum box truss. Truss 4 is permanently rigged and cabled for cyc lights. There are also 3 pre-built lengths of truss that are 54' (16.4m) long. In addition to this, there are several extra lengths of truss that can be used to extend the pre-built truss or to create other truss structures such as a supergrid.

Inventory of extra truss lengths:

2@ 2.4m (7'11")

8@ 2m (6'6")

6@ 1.6m (5'3")

5@ 1.2m (4'-0")

Rigging Hardware:

The JSCH has a wide assortment of shackles (3/16" – 5/8"), spansets (4', 5' & 6'), cable slings (3/8"x5', 10' & 20') and other rigging hardware. However, it is the lessee's responsibility to provide appropriate rigging hardware for their production.