

# TOM - By Wilkie Branson - Technical Specification



**(Version correct as of 02/01/19)**

## **In Brief**

Set in a hinterland between the civilised world and the wild, TOM tells the story of one man's journey to rediscover who he really is. Will he find the answers he needs, or is the real TOM lost forever?

TOM is a dance for camera installation that integrates the work of award-winning film maker and choreographer Wilkie Branson. Combining Wilkie's exploration of bboy-based storytelling, and cutting edge technology in animation, projection mapping, sound design and film installation, TOM will be an innovative and ground-breaking installation.

Company Contacts			
Production Manager	Nic Prior		
AV Designer	Barret Hodgeson		<a href="mailto:barret@ventmedia.co.uk">barret@ventmedia.co.uk</a>
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Artistic Director	Wilkie Branson		<a href="mailto:wilkie@wilkiebranson.net">wilkie@wilkiebranson.net</a>

## 1. Schedule and crew call

Get-in time and crew calls to be confirmed between Resident Production or Technical Manager, and TOM's Production Manager, prior to the company's arrival.

Please see separate schedule for accurate times and crew call.

Suggested order for the load in:

- Build flown truss
- Rig overhead truss and projectors
- Speaker placement
- Build truss frames
- Hang gauzes

Suggested crew for the 1st day of load in and the load out :

- 2x Stage Screw
- 1x Sound Technician
- 1x Video Technician

During the load-in, there are moments where crew will be expected to work across different disciplines and to stagger break times to enable a rolling schedule to work throughout the day.

**If this is not possible for the departments in your building, please inform us.**

There are no on-stage cues for in-house staff. But will require an 1x operator for the performances with a good knowledge of Qlab.

Our computers need to be situated next to both the in-house sound and lighting desks.

**Please inform us if this is not possible due to the location of your control positions.**

## 2. Staging and set

The minimum footprint of TOM is **8m x 5m x 6.5m (WxHxD)**. We will supply a CAD plan of your venue with our truss structure in situ. Please refer to the appendixes at the end of the this document for plans of the structure only.

We require the venue to supply a black dance floor that covers the entire performance area.

We also require that a production position is created in the auditorium during our build and tech times. (Please see the schedule for more information.)

A full black out is need for the production, so that there is no spill from other light sources on the screen(s). This includes fire exit and emergency lighting. **Please advise if this is not possible.**

**Auditorium** - because of the sight lines for the installation, we commonly restrict auditorium seats to the central seats, that do not leave audience eye line above the top of the truss. **Please discuss** how we might manage the auditorium & audience seating at your venue.

### **3. Truss**

The truss structures are built from box truss. (Prolyte, Global or similar.) The flown truss will weigh 450 kgs (approx). The point load on each of the lifting blocks will be 113 kgs (approx). And each of the vertical frames are 150 kgs (approx). (These weights are based on Prolyte H30V.)

See the attached plans for more details.

The truss will be delivered to each venue separately to our own transport. The preference is to have the truss delivered prior to the first get in day. Delivery times will be arranged in collaboration with resident production or technical manager.

The kit list in the appendix of this tech spec details the minimal rigging equipment needed for the flown projector positions and frames. The flown truss can be reduced significantly depending on 2 conditions:

1. The projector cradles that are supplied with the hire.
2. The existing rigging points in the venue ie. fly bars.

A full list of equipment will need to be created in consultation with the resident Technical Manager to achieve the necessary rigging positions specific to your venue, rigging points and grid loadings.

If it not possible to screw in to the floor of the venue please supply 18x 12.5kg stage weights or similar. This will be used to weight and secure the truss and gauze screens once they have been built.

The build itself is achievable with a relatively small crew. This includes the manual handling and the erection of the truss frames.

**Please advise if there is any rigging equipment available in addition to what is specified in your standard tech spec.**

### **3. Pepperscrim - Gauze**

TOM uses a specialist projection gauze call Pepperscrim. It is a highly transparent metallic scrim designed for large scale 3D hologram effects.

It is fire retardant under DIN 4102-1 - Class B1.

There are 3 gauzes in total and these are hung by traditional ties on the top edge. There is a conduit pocket along the bottom with eyelets down each side for stretching the gauze.

We will need the venue to supply 24m of 20-25mm black enamelled conduit in 8m lengths.

- **It is extremely delicate.**
- **It is susceptible to moisture because it oxidises easily.**
- **It must only be handled whilst wearing gloves (we supply these).**
- **It has a very high £ per meter squared value.**
- **Due to the nature of the material it can not be repaired conventionally. Any damage would require replacement of the entire screen.**

For those reasons we ask:

- That we limit access to the stage to everyone other than stage personnel and those that have been briefed about the nature of the material.
- That cleaning and maintenance routines be amended for the time that the gauze is hung in the venue.
- That the location of any water sources in the venue, sprinkler points, sinks etc are pointed out prior to arrival.
- That suitable usher / barriers are provided to protect the Pepperscrim during times that the venue is open to the public.
- That suitable signage is placed around the venue, particularly in the backstage areas to restrict access.

#### **4. Video:**

TOM is run from 2 mac pro towers running Qlab V.3.

Hired equipment:

- Datapath X4 - (Display port version)
- Maxon TripleHead2go DP Edition
- Apple Extreme Wireless Network router
- Motu Ultralite Sound card (or similar)
- DVI-D (short, 1m) x 12
- Displayport to DVI adaptors x 2
- DVI over CAT5 senders and receiver sets x6
- CAT5/6 (30m) x12
- Panasonic RZ970 Projectors x6
- 0.8 lenses for Panasonic RX970 x6

The video aspect of the build is self-contained, so we will need to have a direct cable route for the cables from the control position or production desk during the build.

**Please advise if this is not possible due the architecture of the building, doors, fire routes etc.**

#### **5. Lighting**

We require no lighting states during the performance of TOM. We will need a warm general cover down stage of the first screen for any post show talks.

Houselights need to be controlled through the desk.

**Please advise if your house lighting system is separate.**

#### **6. Sound**

Audio play back in from one of mac pro towers through Qlab using 6 of the outputs for 5.1 surround sound. We will use the in house PA where possible. We need 5 full range speakers as well as a sub. These need to be rigged left, right and centre of our DS screen. Rear left and rear right of the auditorium with subs placed under the seating bank or as DS as possible to be in line with our projection screen.

## **7. Communication**

**Cue Lights:** There are no on-stage cues.

**Comms:** We don't require cans for the running of the show.

## **8. Parking:**

The show is toured in one small 3.5t van and will load in first thing on the morning of the load in, and load out after the last performance. Please provide parking for duration of the our time at the venue.

## **10. Front of House Exhibition**

There is a FOH exhibition that features as part of TOM. This can expand or compress depending on space and your venues needs. At it's fullest, the TOM FOH exhibition requires 2 screens (able to play video on loop), and an additional power source (for model display unit), at least 2 trestle tables & black table cloth (or other table covering).

**Full hires list;****Video;**

12x DVI-D (short, 1m)  
2x Displayport to DVI adaptors  
6x DVI over CAT5 senders and receiver sets  
12x CAT5/6 (30m)  
6x Panasonic RZ970 Projectors  
6x 0.8 lenses for Panasonic RX970  
1x 8 way ethernet switcher

**Truss and Rigging;**

6x 0.5m  
6x 1m  
9x 2m  
4x 3m  
8x 4m  
16x Box corners  
4x 4m length scaff  
3x 6m lengths scaff

**Rigging and addition kit:**

N/B All truss lengths are interchangeable as long as the over all dimensions are maintained.

4x Chain hoists 6m+ length of chain, 500kgs SWL  
4x Steel safety rope  
4x Span set 1m EWL x 4  
4x Span set 2m EWL x 4  
8x 3 ton bow shackle x 8  
12x x 90° Doughty coupler (for attaching scaff to truss)  
4x Chain hoists (length of chain to suit grid height), 500kgs SWL  
4x Steel safety rope  
4x Span set 1m EWL  
4x Span set 2m EWL  
8x 3 ton bow shackle  
3x 8m lengths of 20-25mm OD black enamelled conduit









