



21 HEARTS: Vivian Bullwinkel and the Nurses of the Vyner Brooke By Jenny Davis

TECHNICAL SPECIFICATIONS (8 pages total)

This information is a brief description of the technical requirements for this specific production.

**We supply all our own lighting, staging, sound and operational equipment (inc cables) and everything is regularly tagged and tested in accordance with regulations. We may however utilise venue in-house SND elements where possible (ie surround and/or subs) and House Lights.*

CONTACTS	
Touring Tech Contact	Artistic Director: Stuart Halusz stuart@theatre180.com.au 0404 895 381
Tour Coordination Contacts	Executive Director: Rebecca Davis rebecca@theatre180.com.au 0414 345 381 Stage Manager: Craig Williams crgwillms@mac.com 0418 909 636

PERFORMANCE & COMPANY INFORMATION	
Performance title	21 Hearts: Vivian Bullwinkel and the Nurses of the Vyner Brooke
Company	THEATRE 180
Producers	THEATRE 180
Scriptwriter	Jenny Davis
Director	Stuart Halusz
Cast	Caitlin Beresford-Ord, Rebecca Davis, Michelle Fornasier, Alex Jones, Helen Searle, Alison van Reeken

Visual Designer	Josephine Hayes, Gneiss Design
Sound Designer & Programmer	Ben Collins
Lighting Designer	Rowan van Blomestein
Costume Designer	Ingrid Zurzolo
Movement Director	Rachael Bott
Theme Song Composer & Musical Director	Craig Skelton
Theme Song Vocalists	Saskia Haluszkiewicz & Lisa Harper-Brown
Theme Song Musicians	Australian Baroque
Stage Manager	Craig Williams
Assistant Stage Manager	Aaron Stirk
Artform	Theatre
Running Time	115 minutes (no interval)
Audience recommendation	Families, students, adults, all genders, theatre and cinema audiences, regional audiences, lovers of Australian stories

SYNOPSIS

Vivian Bullwinkel was one of 65 Australian nurses who boarded the Vyner Brooke in an attempt to flee the Japanese invasion of Singapore in February, 1942. Bombed by Japanese fighter planes and after spending days at sea, she and some other survivors found their way to Radji Beach on Banka Island where they surrendered. In one of the most atrocious acts of war crimes in our history, 22 nurses were forced to march into the sea where they were callously machine gunned. The only survivor and witness, Vivian spent the rest of the war in a prison camp before liberation, and her remaining years fighting for recognition of the bravery of her friends and colleagues; their strength and courage in the face of death sustaining her for the rest of her illustrious life.

21 Hearts relays the resilient Aussie humour displayed by the women in the camp and provides a respectful and authentic voice to those who were silenced, remembering them for who they were and not just for what happened to them.

A story of hope, courage, resilience and heart.

Featuring 6 of WA's most outstanding actors, 21 HEARTS is a celebration of the human spirit and an uplifting, inspiring story which reminds us of the great futility of war.

TECHNICAL & VENUE DETAILS

STAGE:

The production is presented in an END-ON format on a 7.2m wide by 3m deep stage, constructed from 10 staging panels.

The stage can either sit flat on an existing stage area or elevated on legs (300mm – 900mm) depending on venue requirements. If required a set of treads on one side for cast access would be added.

Immediately flush to the upstage edge sit 2x upright 400mm box truss pieces on base plates, which have flat truss fixed to the front up to a height of 4.5m from the stage level, and 6m across, forming an upside-down U.

The front of the truss is clad with the 6x set pieces, with the two lower pieces being book-flats which hinge open onto the stage panels.

From the front of the stage there needs to be, ideally, at least 2m distance from the stage to the front row (this is also dependant on stage height and sightlines and can vary).

Space Requirements:

Total distance from rear wall of venue and front row of audience = 8.2m

Total width = 10m

Total height = 4.6m (if located on flat stage set up), 5.5m (if stage elevated on 900mm legs)

SCREEN:

The truss framework holds the rear projection screen which sits behind the set pieces providing an irregular shape screen surface for the rear projection imagery.

PROJECTORS:

We tour with our own projectors: a 16k Laser Projector which is situated 3.2m behind the screen/truss assembly, and an 8k Halogen Lamp Projector located FOH, either rigged in the venue LX bars or mounted on a box truss tower located central to the rear of the audience.

LIGHTING:

**We supply all our own lighting (inc cables), and including house lighting if required, however the venue's house lighting would be used if available.*

On Stage: Two Fresnels are mounted on boom poles extending from both vertical truss pieces, either side of stage, and 5v LED strip lighting is built into 4 or the 6 the set pieces.

FOH: Either rigged on the venue's FOH LX bars or on each side of the auditorium approx. 8m from the stage onto 2x box truss stands are 2 x LED profiles (one on each side).

2x additional Profiles are mounted centrally, either on the venue's FOH LX bars or on an upright box truss tower, which would also take the FOH projector.

SOUND:

**We supply all our own sound equipment (inc cables), however we would also utilise venue in-house SND elements where possible (ie surround and/or subs).*

On each side of the stage sit our two front speakers (QSC 12.2's) on stands.
At the rear of the auditorium will sit our two EV powered 15" sub and rear QSC 12.2 speakers on stands.

FOGGER MACHINE:

A fogger/hazer machine is used during the performance and is located backstage behind the screen. We will require venue isolation of the smoke alarm system during pre-show checks, performance time and 30-60mins post-performance to allow any residual haze to dissipate.

SYSTEMS CONTROL:

The technical aspects of the production (projection images, sound, lighting and haze) are all operated from 2x Apple Mac's running QLab Software.

Projection and Fogger/haze machine cable feeds are run via HDMI – Cat 6 – HDMI.

All lighting is controlled via cabled or wireless DMX.

Audio Cable runs to our speakers are fed via XLR - Cat 6 – XLR.

We will require access to at least 4 Power points around the stage area and rear of auditorium.

All of our equipment is tagged and tested regularly.

DRESSING ROOM:

We require a room to use as a change area for the 6 cast members with access to toilet facilities. We have the capacity to create a suitable space out of a room provided for the purpose (tables, mirrors, stand-alone curtains etc).

ACCESS:

All equipment travels in a 3t tail lift truck which requires access as close as possible to the venue, either via a loading dock or nearest door. All set pieces and tech equipment can fit through a standard doorway, providing there is room for carrying the longest item (3m box truss and 4m flat truss) around corners etc. The largest set piece is 2.4m x 1.2m.

BUMP IN/BUMP OUT TIMES:

Bump in takes approx. 12 hrs over 2x days, with an evening performance able to be scheduled on the second day.

Bump out takes approx. 5hrs.

BUMP IN/OUT CREW:

Duty Tech to be available for bump in/out times as required by the venue. 1-2 crew to help with bump in/out would reduce the time taken for both.

PERFORMANCE CREW:

Duty Tech as required by venue. Pre-show set time 2hrs prior to show time, Post-show reset 1hr following curtain.

RUN TIME:

The show runs for 115mins with no interval, house can open at the half hour call.

MAXIMUM PERFORMANCES PER WEEK:

If based in one venue, 7 performances per week (assuming Bump In Tues/Wed, Perf #1 Wed, Perfs #2/3 Thu, Perf #4 Fri, Perf #6 Sat, Perf #7 Sun, Bump Out Mon).

If touring, maximum of 2 performances per week.

MINIMUM BREAK BETWEEN SHOWS:

3 hour turnaround (ie 2pm matinee, 7pm evening)

TOURING PARTY:

Total of 9: Cast of 6, two of whom are also THEATRE 180 Executive Director and Senior Producer, crew of 3, one of whom is Artistic/Production Director.

PHOTOS:

21 Hearts: Vivian Bullwinkel and the Nurses of the Vyner Brooke
Technical specifications



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OTHER RESOURCES

[Archival Recording of 21 Hearts](#)

Please note this is an archival recording and is copyright by THEATRE 180. The recording must not be shared to external parties or viewed in a public setting.

[Production Schedule](#)

Please see above link to the draft touring production schedule. Below is a sample image.

21 Hearts: Vivian Bullwinkel and the Nurses of the Vyner Brooke by Jenny Davis			Mx	Lx	Snd		Draft production Details and schedules
Time	Activity	Personnel					
DAY ONE							
09:00:00	Arrive Venue	Bump In Crew & Venue Crew where required					Venue parking for 3 ton truck to be arranged
09:15:00	Toolbox meeting then Commence Bump In						
13:00:00	Lunch						
14:00:00	Continue Bump In	Bump In Crew & Venue Crew where required					
18:00:00	End of Day						
DAY TWO							
09:00:00	Arrive Venue	Bump In Crew & Venue Crew where required					Venue parking for 3 ton truck to be arranged
13:00:00	Lunch						
14:00:00	Continue Bump In	Bump In Crew & Venue Crew where required					
15:00:00	Cast set Induction followed by Audio Plotting with cast & continue Bump In as required	Bump In Crew & Cast					
17:00:00	Supper Break						
18:00:00	1hr call	Crew & Cast					
19:00:00	Performance	Crew & Cast					
20:55:00	Performance finishes	Crew & Cast					
21:30:00	Depart Venue	Crew & Cast					
DAY THREE							
09:00:00	Toolbox meeting then Commence Bump Out						Venue parking for 3 ton truck to be arranged
14:00:00	Bump Out Finishes						

THEATRE 180 CONTACTS:

ARTISTIC DIRECTOR & PRODUCTION MANAGER	STUART HALUSZ 0404 895 381 / stuart@theatre180.com.au
EXECUTIVE DIRECTOR & TOURING MANAGER	REBECCA DAVIS 0414 345 381 / rebecca@theatre180.com.au
STAGE MANAGER	CRAIG WILLIAMS 0418 909 636 / crgwillms@mac.com
ASSISTANT STAGE MANAGER	AARON STIRK 0412 696 465 / aaron@opticaldesigns.com.au