



## **NST Campus- Main House**

**TECHNICAL SPECIFICATION**

**September 2018**

## NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

### Site Information

**Address:** NST Campus, Nuffield Southampton Theatres,  
University Road, Southampton SO17 1TR

**Contact Information** Administration: 023 8031 5500  
Box Office: 023 8067 1771  
Email: info@nstheatres.co.uk

### Contacts

Dial 02380 984 then the extension below:

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	Alison Thurley	Office Administrator	564	alison.thurley@nstheatres.co.uk
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<b>Finance</b>	Jan Willis	Finance Director	560	janice.willis@nstheatres.co.uk
	Julia Jaggard	Accounts Manager	561	julia.jaggard@nstheatres.co.uk

### General Facilities & Venue Information

**Production Office** Located at stage level, with basic office facilities including a computer, internet access & phone.

**Green Room** Located at stage level with Tea & Coffee making facilities as well as toasters, microwaves & dishwasher.  
**Dressing Room 1:** 6m x 3.8m suitable for 12 people, fixed clothes rails centre of room.  
**Dressing Room 2:** 5.6m x 5.5m suitable for 16 people, fixed clothes rails centre of room.

**Dressing Rooms** Both dressing rooms have: two sinks, fixed dressing tables, mirrors & makeup lights, toilets & showers adjacent and level access from the stage.

Please note: These rooms are shared with the studio space, additional rooms can be hired from the university at extra cost.

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<b>Crew</b>	Available as required; minimum of two crew with at least one Duty Technician. BECTU/ UK Theatre rates. No Stage Door staff.
<b>Access Requirements</b>	<ul style="list-style-type: none"><li>- Level access to all backstage areas, except operation boxes, fly floors etc.</li><li>- Two steps to stage door.</li><li>- No accessible toilets backstage.</li></ul>
<b>Policies</b>	<ul style="list-style-type: none"><li>- House opens thirty minutes prior to curtain up.</li><li>- Normal performance times are 1930 evening performance &amp; 1430 matinee performances.</li><li>- Smoking is not permitted in the building, smoking area located outside stage door.</li><li>- No person involved with a production to of consumed alcohol within eight hours prior to starting work.</li><li>- Fully licensed bar &amp; restaurant; closes after the interval. Late opening available, POA.</li><li>- As the bar &amp; studio share a space, when there is a studio performance a foyer bar will be operated.</li></ul>
<b>Parking</b>	There are no parking facilities at the venue itself, there is however multiple pay & display car parks within a short walking distance of the venue.

### Stage Management

#### Prompt Desk

##### Features:

- Show relay speaker
- Colour & infrared video show relay monitors
- Phone
- Calls facilities (ROH & FOH)
- Tec Pro (2 Channel) Comms System
- Cue Lights (14 channels, 9 patchable)

**Please note:** situated stage left wing, with advance notice can be relocated stage right or to audio describers box.

### Stage Information

#### Load-in Area

##### Dimensions

- 2 x 45ft trucks can be accommodated at a time, parked at 90° to the dock door.
- Dock door 3.02m high x 2.1m wide.
- Roller shutter onto stage 2.65m high x 5.7m wide.  
**Please Note: This is located in the stage right wing between dock door & stage, note that it is lower than the dock door.**
- Level access from pedestrianised roadway to stage.

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- Vehicles delivering to the theatre can be parked next to the dock doors. Up to 2 x 45ft can be parked here. This is a one way road; all vehicles must enter from University Road, and exit by Salisbury Road. There are drop bollards protecting the load in area.
- If you arrive before the theatre staff you can ring university security to gain access on 023 8059 2811. *Vehicles can only stay in this area whilst loading.*
- We do not own any truck ramps, please bring the appropriate ramp for your vehicle.
- **For map please see attachment A.**

### Stage Dimensions

Stage Depth to back wall	
Stage Depth (excluding crossover)	8.56m
Rear Forestage Depth	2.68m
Front Forestage Depth	2.37m
Setting Line (back of iron runners)	+310mm from front of stage
Proscenium Width	9.10m
Proscenium Height	4.50m
Stage Height (from Auditorium)	0.90m
Orchestra Pit Depth	1.90m
Height to Grid	9.91m
Stage Left Wing	Depth: 2.10m Height: 6.50m
Stage Right Wing	Depth: 4.10m Height: 6.50m (first 2.10m of depth) 3.00m (offstage 2m of depth)

### Forestages

We have two forestage lifts which can be orchestra pit, stage or auditorium level, these are to only be operated by NST Staff. There is a tension wire grid above these.

### Flying

#### General

We have a mixture of motor, winch & hemp bars.  
All flying to be programmed, operated & overseen by NST Staff. Hemp bars are operated stage right fly floor, motor bars are operated from the stage left wing or stage left fly floor.

- 21 x Hemp sets, 3 line lift
- 8 x Motor sets, 3 line lift
- 1 x Winch set, 3 line lift (Advance Bar)

Hanging plot is available, see attachment C.

#### Bar Heights

- Hemp Sets: 9885mm above stage floor
- Motor Sets: 9250mm above stage floor
- Winch Set: 6300mm above stage floor (Advance Bar)

All our fly bars come into a working height.

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### Bar Info

Hemp Bars	12m (50mm aluminium tube)
Motor Bar 1	10m (50mm aluminium tube)
Motor Bar 2-8	12m (50mm ladder truss, 350mm pipe centres)
Advance Bar	12m (50mm ladder truss, 350mm pipe centres)

### Fly Rail

Stage Right	8m (above stage floor)
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**Crossover** Upstage of fly bars, 750mm wide. Has a total width of 1.50m, however the area is used for ladder & masking flat storage, there is also a fire escape hatch which must be kept clear.

## Stage Stock

### Masking

<b>Soft Legs</b>	Black Serge	1.50m x 7.0m	8
<b>Boarders</b>	Black Serge (no fullness, conduit pocket)	13.0m x 2.4m	5
<b>Full Stage</b>	Black Serge (fullness, chain)	7.0m x 5.0m	2
	Black Velour (no fullness, chain)	6.0m x 6.0m	2
	Full Black- Black Serge		1
<b>Hard Maskers</b>	Black Serge	1.50m x 5.0m	8
	Black Serge	1.80m x 6.0m	2
	Black Serge	1.45m x 6.0m	2

*We also have an assortment of smaller black serge flats for quick change areas etc.*

### Additional Softs

*Please note: Subject to availability, advance notice required.*

<b>Gauzes</b>	Black- Sharks Tooth	11.5m x 4.7m (conduit pocket)
	Black- Sharks Tooth	10.5m x 6.0m (conduit pocket)
	White- Sharks Tooth	9.50m x 5.0m (conduit pocket)
<b>Cycloramas</b>	White Cotton- Seamless	9.50m x 5.0m (conduit pocket)
<b>Projection Screens</b>	BP	14.0m x 5.0m (eyes top edge, conduit pocket)
<b>Misc.</b>	Lower Auditorium Wood Panel Soft Masking (Black Serge)	Attaches to curvy bars.

Please note: To confirm quantities/ availability please contact Neil Starke, [neil.starke@nsttheatres.co.uk](mailto:neil.starke@nsttheatres.co.uk)

### Hardware

*Please note: Subject to availability, advance notice required.*

**Tab Track** A selection of Triple E Uni Track is available for hire, this includes runners, master carriers, overlap arms & pulleys.

## NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

<b>Steeldeck</b>	8' x 4'
	8' x 2'
	4' x 4'
	6' x 2'
	4' x 3'
4' x 2'	

<b>Legs</b>	We have a stock of ready cut legs (length is to the top of the deck): 300mm, 450mm, 600mm, 750mm, 900mm, 1050mm, 1200mm, 1500mm & 1800mm.
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Please note: To confirm quantities/ availability please contact Neil Starke, [neil.starke@nsttheatres.co.uk](mailto:neil.starke@nsttheatres.co.uk)

### Furniture

*Please note: Subject to availability, advance notice required.*

<b>Music</b>	35 x Chairs- Cushioned (Mix of Blue, Red, Green & orange)
	5 x Unlit Stands
	19 x RAT Stands
	1 x Conductor RAT Stand
<b>Lecterns</b>	1 x Silver Truss Style Lectern

Please note: To confirm availability please contact Neil Starke, [neil.starke@nsttheatres.co.uk](mailto:neil.starke@nsttheatres.co.uk)

### Access Equipment

<b>Tallescope</b>	(3.9m – 5.9m) Operated in accordance with latest ABTT Standards.
<b>Zarges</b>	We have a selection of Zarges.

### Lighting & Power Information

<b>Rigging</b>	All lighting equipment to be rigged on motor bars unless agreed in advance with the Technical Manager.	
<b>Power</b>	Mid Stage Left	1 x 32A 3 phase Ceeform
		1 x 63A 3 phase Ceeform
		1 x 125A 3 phase Ceeform
	Down Stage Right	1 x 32A 3 phase Ceeform
		1 x 63A 3 phase Ceeform
		1 x 125A 3 phase Ceeform
	Tension Wire Grid (DS)	1 x 32A 3 phase Ceeform
	Tension Wire Grid (US)	1 x 32A 3 phase Ceeform
	Fly Floor (USR)	1 x 32A 3 phase Ceeform

## NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

Please note: Our three phase power supply has a reverse power cycle.

**Dimming**  
216 x Strand LD 90 2.5KW  
12 x Strand LD 90 5KW  
4 x Strand LD 90 House Lights  
2 x Strand LD 90 Orchestra Pit Lights

**Control**  
**Consoles**  
1 x ETC GIO 2048 Outputs  
1 x ETC EOS Family Remote (iPad)

**DMX Infrastructure**  
**DMX Input Locations**  
- LX Control Box  
- Production Desk  
- Sound Position  
- Downstage Left (1 Universe Only)  
*Two universes as standard (unless otherwise stated).*

### **DMX Outputs**

We have seven runs of DMX throughout the venue, each run links in/out of several panels, for the run to continue all DMX lines must be returned. **We carry a limited stock of DMX cable.**

**Circuits**  
153 x Hard patch circuits, to 72 x dimmers.  
  
144 x 2.5kw hard wired circuits; 54 x stage left fly-floor, 18 x FOH Bridge, 24 x FOH Tension-wire grid, 24 x paired between stage left fly-rail & stage left floor circuits, 24 x paired between stage right fly-rail & stage right floor circuits.  
  
12 x 5kw hard wired circuits  
  
**Note:**  
- 2.5kw circuits are terminated in 15A.  
- 5kw circuits are terminated in both 15A (2 x 10A) and 32A Ceeform

## Lighting Stock

<b>Profiles</b>	ETC Source 4 15°-30° Zoom	10
	ETC Source 4 25°-50° Zoom	4
	ETC Source 4 Fixed 19° (575W)	4
	ETC Source 4 Fixed 26° (575W)	8
	ETC Source 4 Fixed 36° (575W)	12
	ETC Source 4 Fixed 50° (575W)	8
<b>Additional</b>	10° Lens Tube	4

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<b>ETC Source 4</b>	36° Lens Tube	2
<b>Fixed Lenses</b>	50° Lens Tube	4
<b>Fresnels</b>	PATT 743	32
	PATT 243	9
	Coemar 2KW	6
<b>PARCANS</b>	PAR64 CP60	8
	PAR64 CP61	8
	PAR64 CP62	24
	PAR64 Short Nose (Floor Cans)	6
	PAR16 "Birdie" (12V)	20
<b>Accessories</b>	Top Hat – PAR64	4
	Top Hat – Source 4 75mm	2
	Top Hat – Source 4 125mm	12
<b>Additional Equipment</b>	ETC Lustr 2 (with cyclorama scoops)	18
	CHAUVET ColourDash Quad 18 LED PAR	8
	Martin Atomic 3000 Strobe	2
	UV Cannon	2
	Moleyfay- 16 Cell MR16	2
	200mm (8") Mirror Ball	1
	280mm (11") Mirror Ball	1
	Look Solutions Unique Hazer 2.1	3
	Look Solutions Viper 2.1	1
	Look Solutions Viper NT	1
	Look Solutions Power Tiny	1

*There is an additional hire cost for these items.*

**Notes: All equipment is subject to availability at the time of arrival. This list is subject to change.**

<b>Cable</b>	15A TRS	- Medium Stock
	16A TRS	- Limited Stock
	Power Adapters	- Limited Stock
	DMX 5pin	- Limited Stock
	Heavy Mains	- Very Limited Stock

### Video

**We have a limited stock of video equipment that attracts an additional hire charge:**

Panasonic PT-DZ13K Projector		2
	Lens: ET-D75LE6	2
	Lens: ET-D75LE10	2
	Lens: ET-D75LE20	2
Q Lab Video Rack		1



## NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

**Please Note: Equipment is subject to availability.**

**For further information contact our Technical Manager: [neil.starke@nstheatres.co.uk](mailto:neil.starke@nstheatres.co.uk)**

### Sound

<b>Consoles</b>	Digico SD 9 (Core 2) V929	1
	D-Rack	1
<b>Main PA (FIXED)</b>	K-array KP102 (Main L & R)	8
	K-array KP52. (L&R Front Fills)	2
	K-array KMT18P (L&R Subs)	4
	Meyer UPM-1P	4
<b>Portable PA</b>	Ohm MR10M Wedge	2
	dB Opera 100 Lyric	2
	JBL Control 1	4

**Please note: We have 10 channels of amplification available in addition to the Main PA.**

<b>Microphones</b>	Audio Technica Rifle Mic	4
	Crown PCC 160	3
	SM58	3
	SM57	3

**Additional stock available upon request, please enquire.**

<b>Sound Power</b>	63a Single Phase supply (located SL but can be run to SR), distro available to break down to 2 x 32A Single, 4 x 16A Single & 2 x 13A Outlets	
<b>Control Position</b>	Located underneath control boxes.	
	Small- 6' x 3' Steeldeck (7 Seats)	
	Large- 8' x 4' Steeldeck with 6' x 3' steel deck wing (13 Seats)	
<b>Comms</b>	Tec-pro 2 Channel System, 8 Belt packs (single channel), Motorola Radio Link Station.	
<b>Accessories</b>	Round Base Mic Stand	2
	Boom Arm Mic Stand	6

## NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

### Wardrobe

Our wardrobe room is located upstage centre, it sized 2.80m x 4.5m, with direct access to the crossover through a 790mm wide door & to Dressing Room 1.

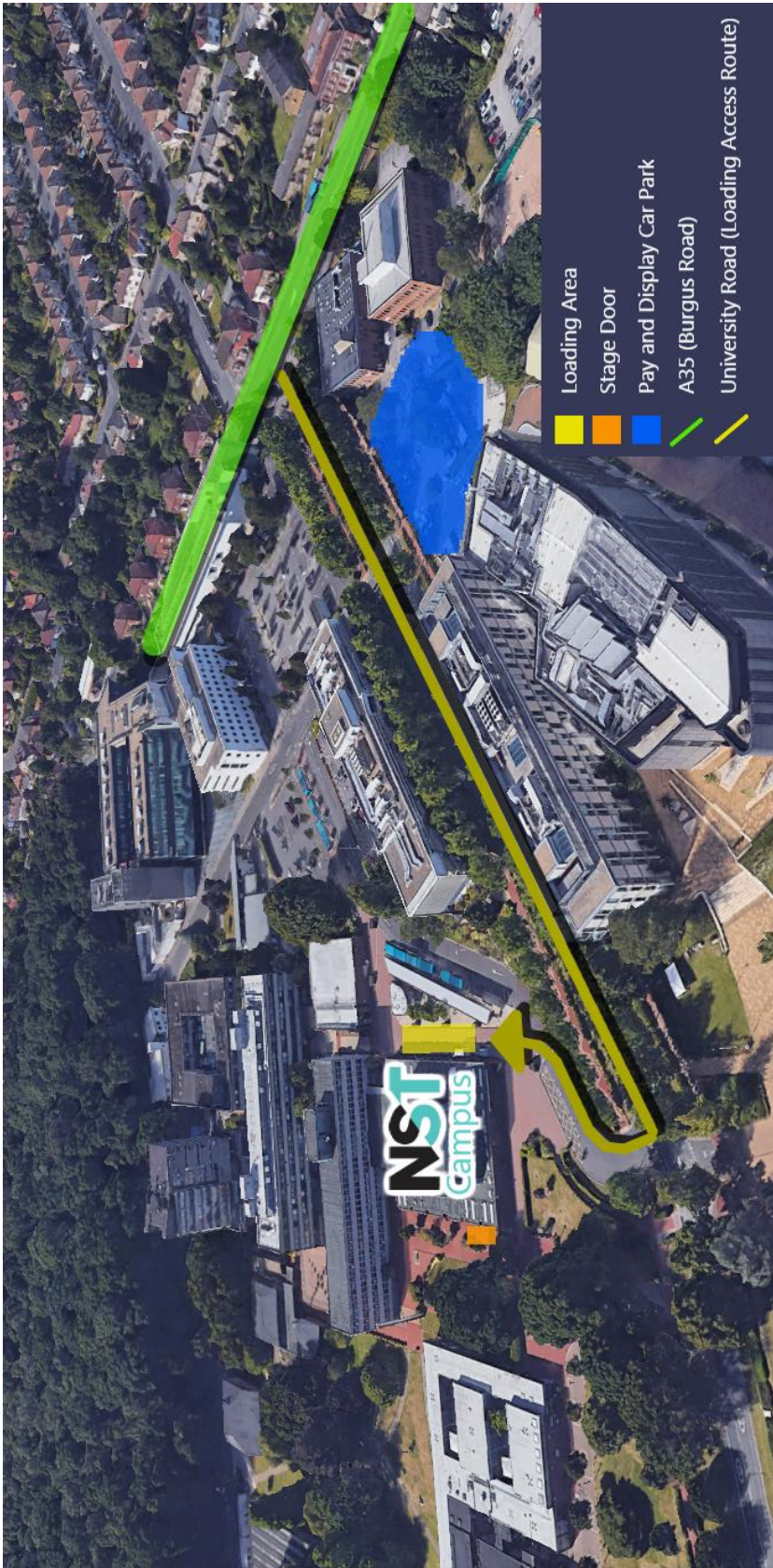
It also features: -Sink (hot & cold water)

- 1 x Iron
- 1 x Ironing Board
- 1 x Industrial Washing Machine
- 1 x Industrial Tumble Dryer
- 1 x Spin Dryer
- 3 x 1030mm Fixed Clothing Rails
- 13A Power
- Office Facilities such as: phone & 2 x network ports

### Attachments

- A- Map of Load-in Area
- B- Auditorium Capacity & Seating Chart
- C- Hanging Plot
- D- Equipment Hire & Consumables Charges

Attachment A- Map of Load-in Area

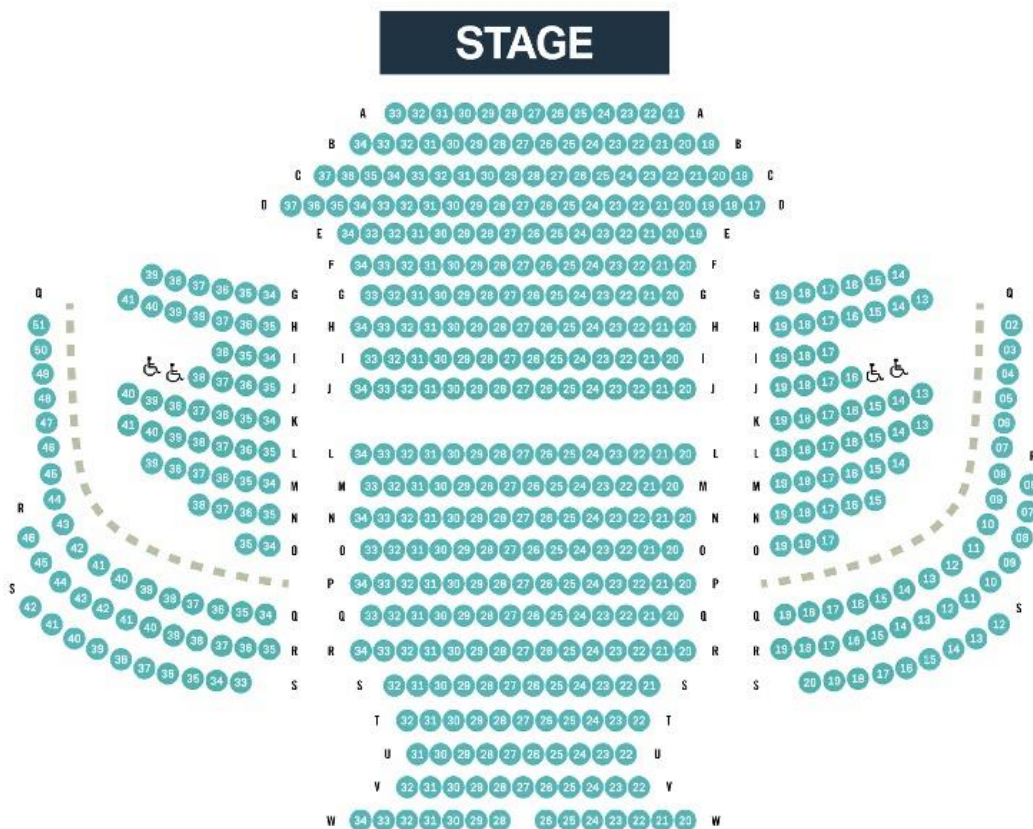


# NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

## Attachment B- Auditorium Capacity & Seating Chart

Format	Rows	No Sound Position	Sound Position	Large Sound Position
Normal Maximum:	A-W	510	(503)	(497)
No Forestages (without row A):	B-W	497	490	484
One Forestage:	E-W	441	434	428
Two Forestages:	H-W	396	389	383
Christmas:	D-W	-	451	(445)

These figures include the 10 standing spaces, the 7 seats added to the wheelchair spaces and the 4 house seats.



## Attachment C- Hanging Plot

## NST CAMPUS MAIN HOUSE TECHNICAL SPECIFICATION

Distance from Setting Line mm	Type	Number	Production Bar Description	Production Weight (kg)	WLL (UDL) kg	WLL (CPL) kg
-3,275	W	Adv			250	
240	M	1			250	
520	H	1			100	10
750	M	2			500	
1,200	H	2			100	10
1,650	M	3			500	
2,100	H	3			100	10
2,250	H	4			100	10
2,400	H	5			100	10
2,550	H	6			100	10
3,000	M	4			500	
3,300	H	7			100	10
3,450	H	8			100	10
3,600	H	9			100	10
3,900	M	5			500	
4,350	H	10			100	10
4,800	M	6			500	
5,100	H	11			100	10
5,250	H	12			100	10
5,550	H	13			100	10
5,700	H	14			100	10
6,000	M	7			500	
6,450	H	15			100	10
6,600	H	16			100	10
6,970	H	17			100	10
7,300	M	8			500	
7,760	H	18			100	10
7,910	H	19			100	10
8,060	H	20			100	10
8,250	H	21			100	10

H = Hemp

M = Motor (vari-speed)

W = Motor Winch

### Notes

- The WLL for the Hemp Bars is the limit of the equipment. The limits of safe manual handling should also be considered. The self-weight of the hemp sets is approx. 50kg.
- Motor Bar 1 has a maximum speed of 30 meters per minute.
- Motor Bars 2 through 8 have a maximum speed of 16 meters per minute.