

Health and Safety and Safe Working Practices

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Production Manager

Why are we concerned about working safely?

What are the Consequences of not working Safely?

- Moral
 - People's health and wellbeing is of paramount importance to a productive working environment
- Legal
 - The Health and Safety at Work Act 1974 places a legal duty of care on employers to protect the health, safety and wellbeing of employees.
 - Failure to meet legal obligations can result in prosecution.
- Financial
 - Personal injury claims, increased insurance premiums, loss of working hours.

Accountability VS Responsibility

“Workers have a duty to take care of their own health and safety and that of others who may be affected by your actions at work. Workers must co-operate with employers and co-workers to help everyone meet their legal requirements”

Employers ultimately accountable for the health and safety of their employees and the public who come onto their premises.

You can delegate responsibility but NOT accountability.

Weighing up the costs of risk Controls - What is reasonably practicable.

Time
Trouble
Inconvenience
Money
Effort



Likelihood
X
Consequence

Do the benefits of
the risk controls
outweigh the cost?

Regulations

- Health and Safety at Work act 1974
- Management of Health and Safety Regulations 1999
- COSHH – Control of Substances Hazardous to Health 2002
- LOLER – Lifting Operations and Lifting Equipment Regulations 1998
- PUWER - Provision and Use of Work Equipment Regulations 1998
- The Electricity at Work Regulations 1989
- Health and Safety (Display Screen Equipment) Regulations 1992
- The Regulatory Reform (Fire Safety) Order 2005
- The Control of Noise at Work Regulations 2005

<https://www.hse.gov.uk>

2015

**TECHNICAL STANDARDS
FOR
PLACES OF
ENTERTAINMENT**

Association of British Theatre Technicians
Chartered Institute of Environmental Health
District Surveyors Association
Institute of Licensing
Theatres Trust

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Who will come after you?

ENFORCEMENT

- Health & Safety Inspectors (HSE)
- Local Government Environmental health Officer (EHO)
 - Local Authority (Licensing)
 - Fire Officer – RRFSO
 - Police

What a Hazard?

Anything with the potential to cause Harm.

What a Hazardous Event?

The Result of someone or something interacting with a hazard allowing it to cause harm.

What is Risk?

The chance that a hazard will be interacted with in such a way as to cause a hazardous event.

Risk = Likelihood X Consequence

Stages of Risk Assessment

Step 1: List the Work Tasks

- Activities that will take place
 - People who are involved
 - Equipment to be used
 - Locations

Step 2: Identify the risks

- What are the Hazards
- Who might be harmed
- How might they be harmed?

Stages of Risk Assessment

Step 5: Record Your Findings

- Fill out all of the details on the risk assessment template
 - Write any associated method statements
- File any associated documents with the risk assessment in the Production Safety File
 - COSH Forms
 - Fire Certificates
 - Structural Surveys
 - Weapons producers note

Step 6: Review Your Findings

Safety Risk Assessment Form

This form must be distributed to all persons named in the Owner column, where possible both as a hard copy and electronically

Reference:											
Date:		Assessor(s):					Department/Area:				
Activity <i>Describe the activity and the ways in which it could pose a risk</i>	Hazards <i>e.g. personal injury, electric shock, people or objects falling from height, crushing</i>	Persons at risk	Risk before control measures			Controls <i>Describe controls used to reduce risk to a tolerable or preferably acceptable rating</i>	Residual Risk after control measures			Additional controls? <i>E.g. monitor and review, suggestions for future activities</i>	Owner <i>Person responsible for the controls</i>
			Severity	Likelihood	SxL		Severity	Likelihood	SxL		

Risk Scoring Key	Severity		Likelihood	
	Fatality	5	Certain or imminent	5
	Major injury, disabling illness, major damage	4	Very likely	4
	Lost time injury, illness, damage	3	May happen	3
	Minor injury, minor damage	2	Unlikely	2
	Delay only	1	Very unlikely	1

Risk Rating Categories	10 to 25	Unacceptable	Do not proceed; seek immediate guidance from the safety team
	6 to 9	Tolerable	Proceed with caution but seek to reduce risk further if possible
	1 to 5	Acceptable	Proceed

Order of Control Measures	Most effective	Eliminate	Ask yourself if the activity needs to be carried out
		Substitute	Ask yourself if the same effect can be achieved with something less risky
		Reduce	Ask yourself if you can use less of something, or limit the time etc
		Isolate	Make sure that the risk is contained to the smallest possible area
		Enclose	Make sure that no-one can get to the hazard
		Other Engineering Controls	Emergency stop buttons, automated controls etc
		Safe System of Work	Carry out the work according to a specific step by step programme with training
		Training/Communication	Safety team can advise
		PPE	Use of ear defenders, hard hat, toetectors etc
	Least effective	Discipline and Enforcement	Telling people to be careful

Reduce risk by following the hierarchy of Risk Control

Eliminate – Get rid of the risk completely

Reduce – Limit exposure time, use less dangerous tools /materials

Isolate – Contain the risk to the smallest possible area, Install guards

Control – Safe systems of work, e-stops, electronic safety controls

Protect – Use of PPE; hard Hats, harnesses, Ear defenders etc.

What is Dangerous in a theatre?

Rehearsal room

Fire

Pyrotechnics

Power tools

Rigging

Lifting
Equipment

Substage

Electrical
Equipment

Welding

Loud noise

Hand tools

Automation

Working in low
light

Loading and
unloading Trucks

Bullying

Lighting
Equipment

Working long
hours

Stage
engineering

Fall from scenery

Items dropped
from height

Costume making

Stage Weapons

Safety Curtain

Cabling

Paints and
adhesives

Construction
Workshop

Fly bars

Working at
height

Installing Scenery

Stage fighting

Scenic Painting
workshop

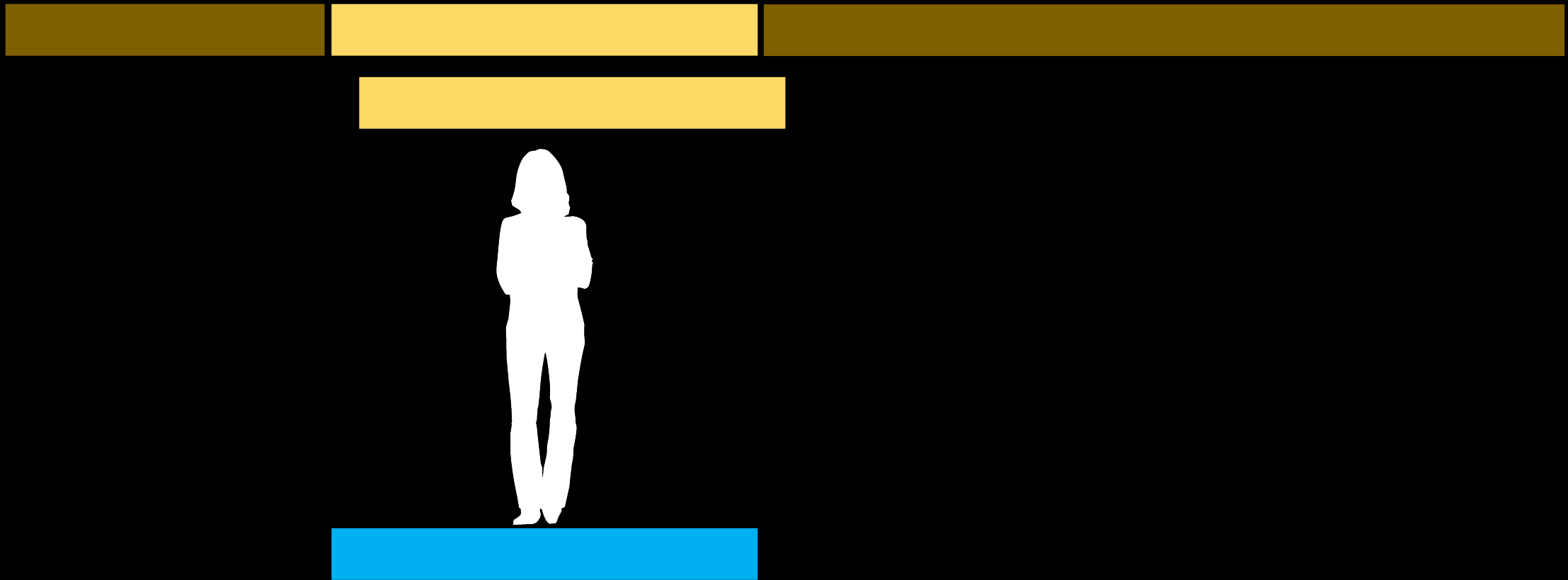
Fitting up
scenery

Edge of stage

Furniture

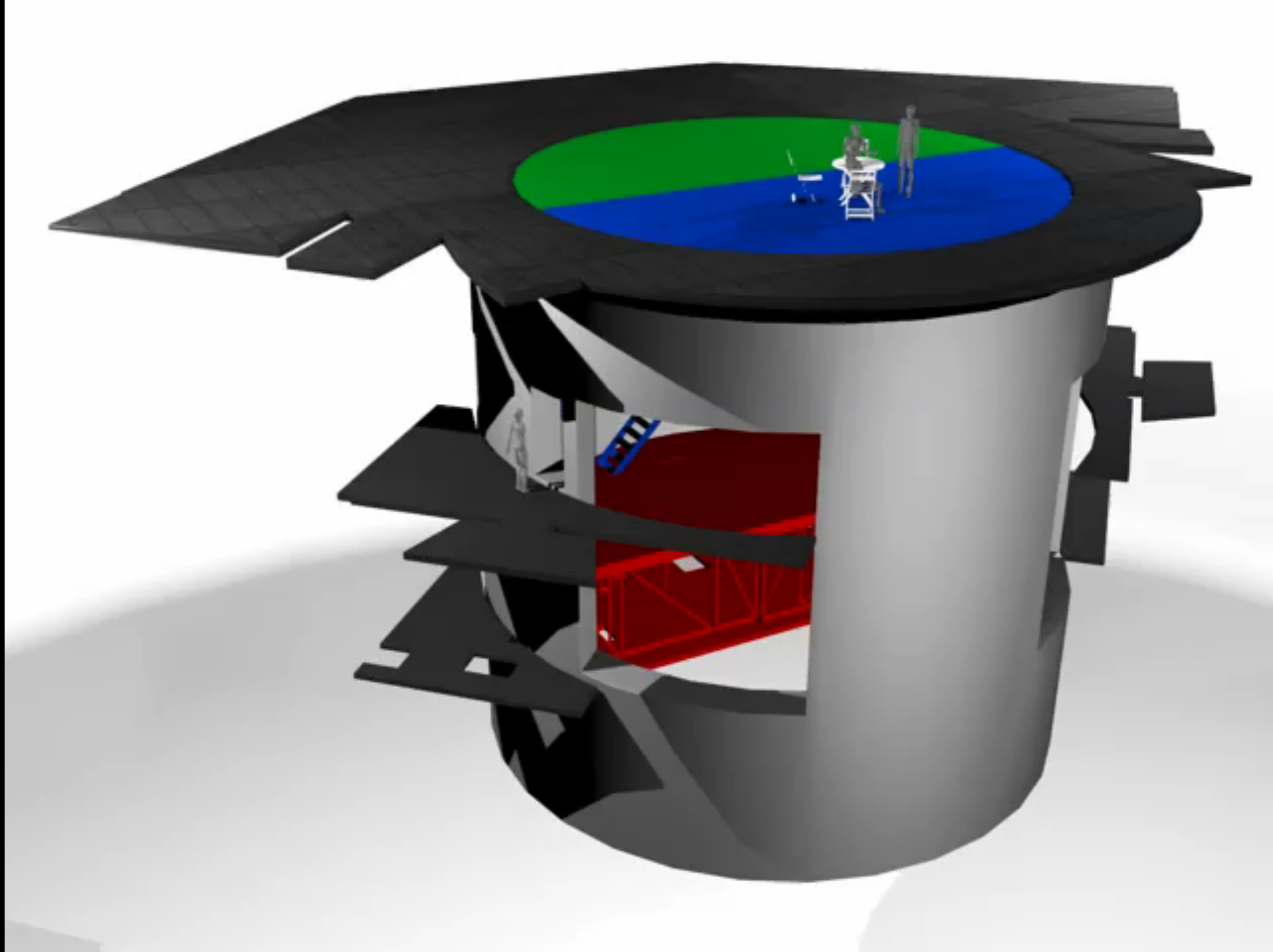
Drop and Slide

Drop and Load











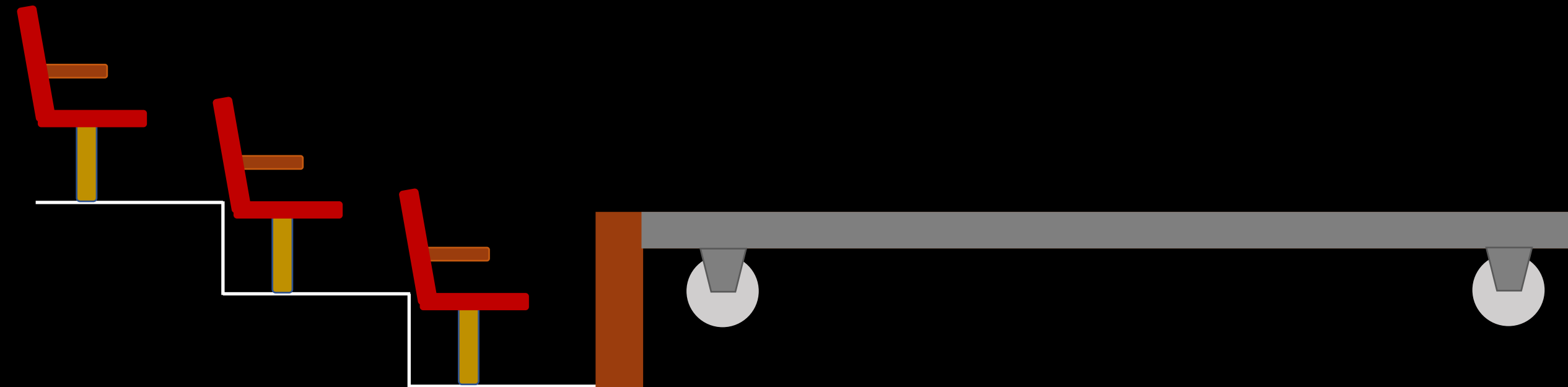
Drum Revolve Generic RA



Stage Elevator



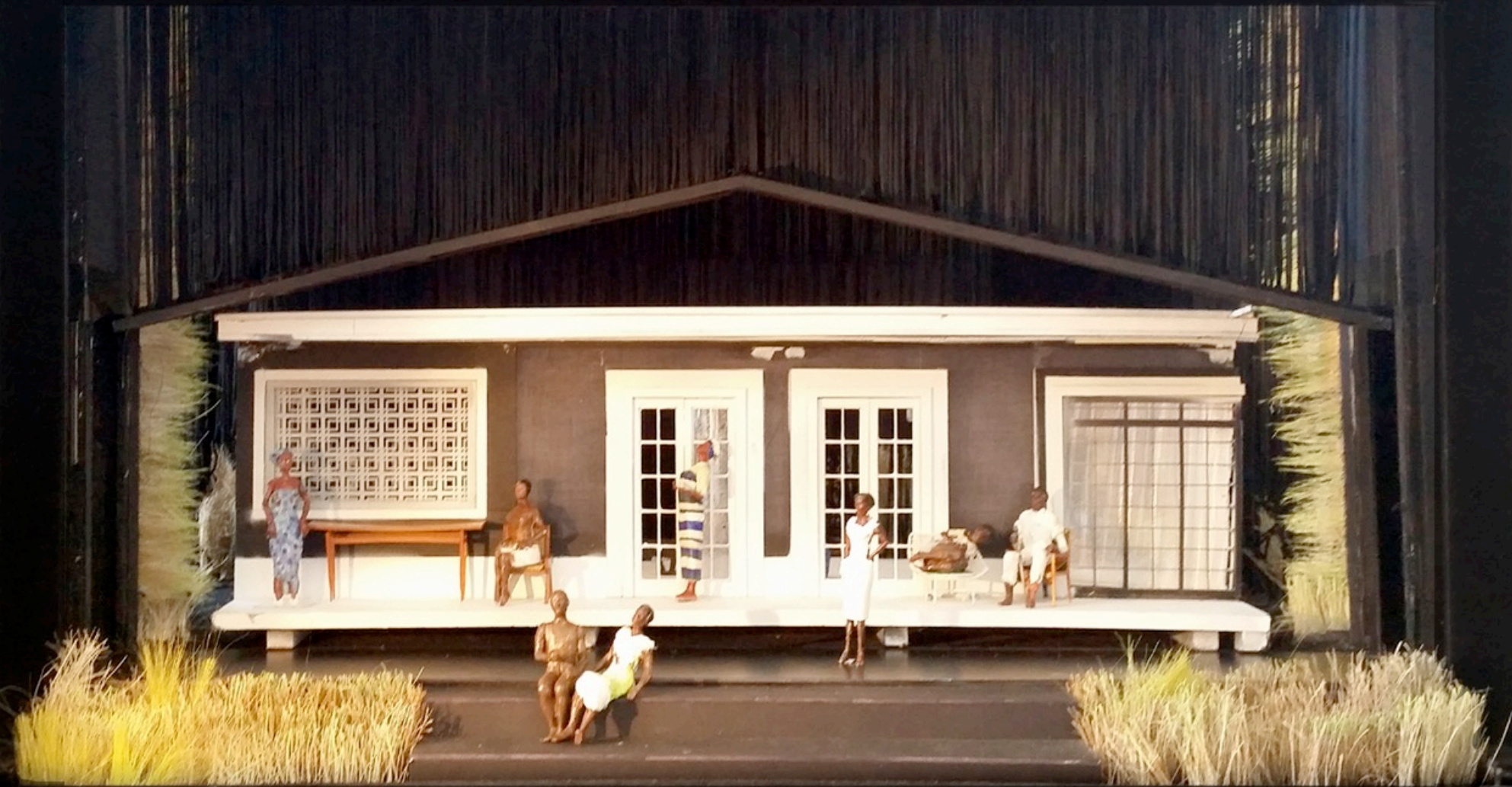
Stage Pallet







ACT 1

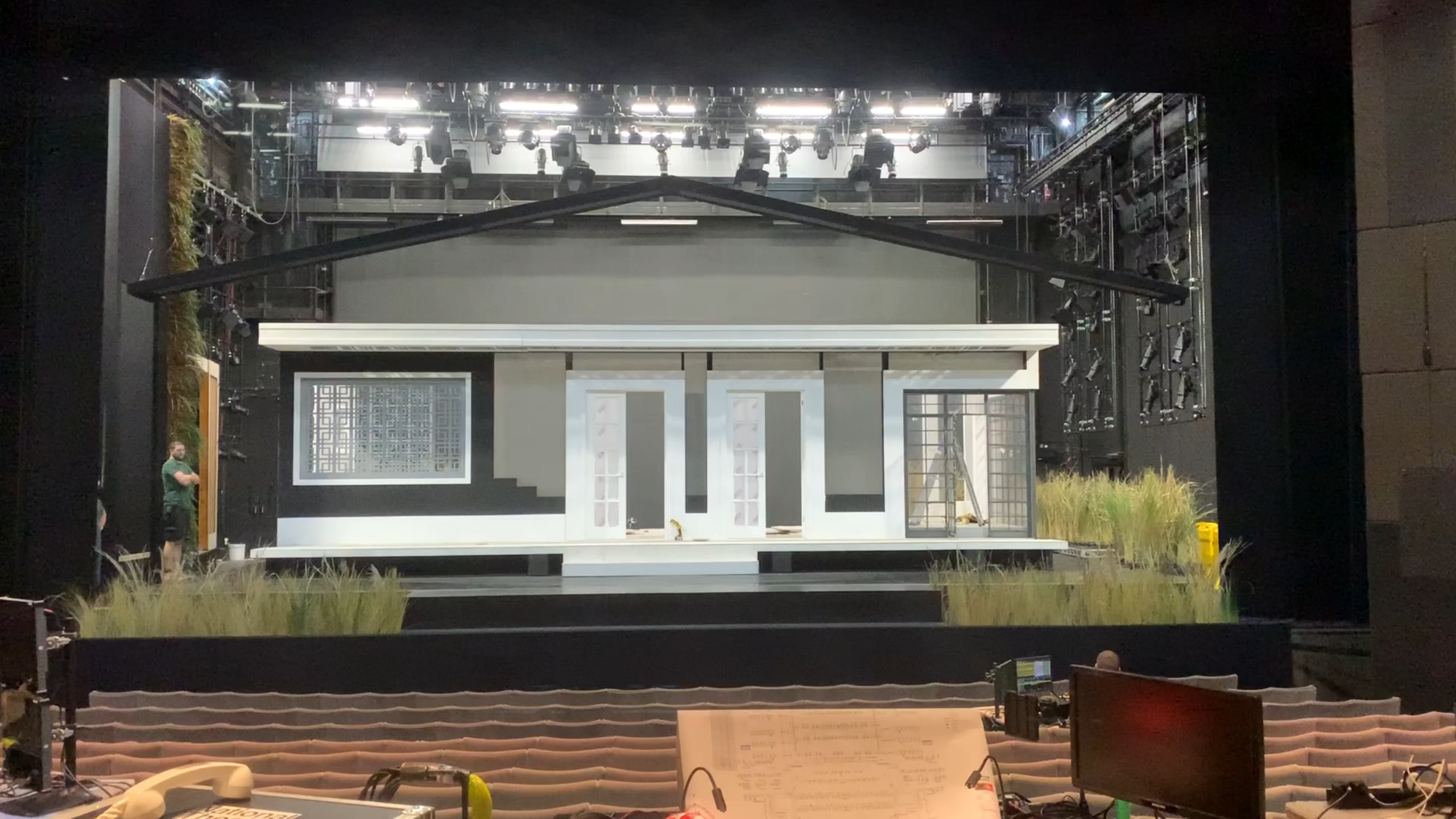


ACT 1 to 2 Transition



ACT 2

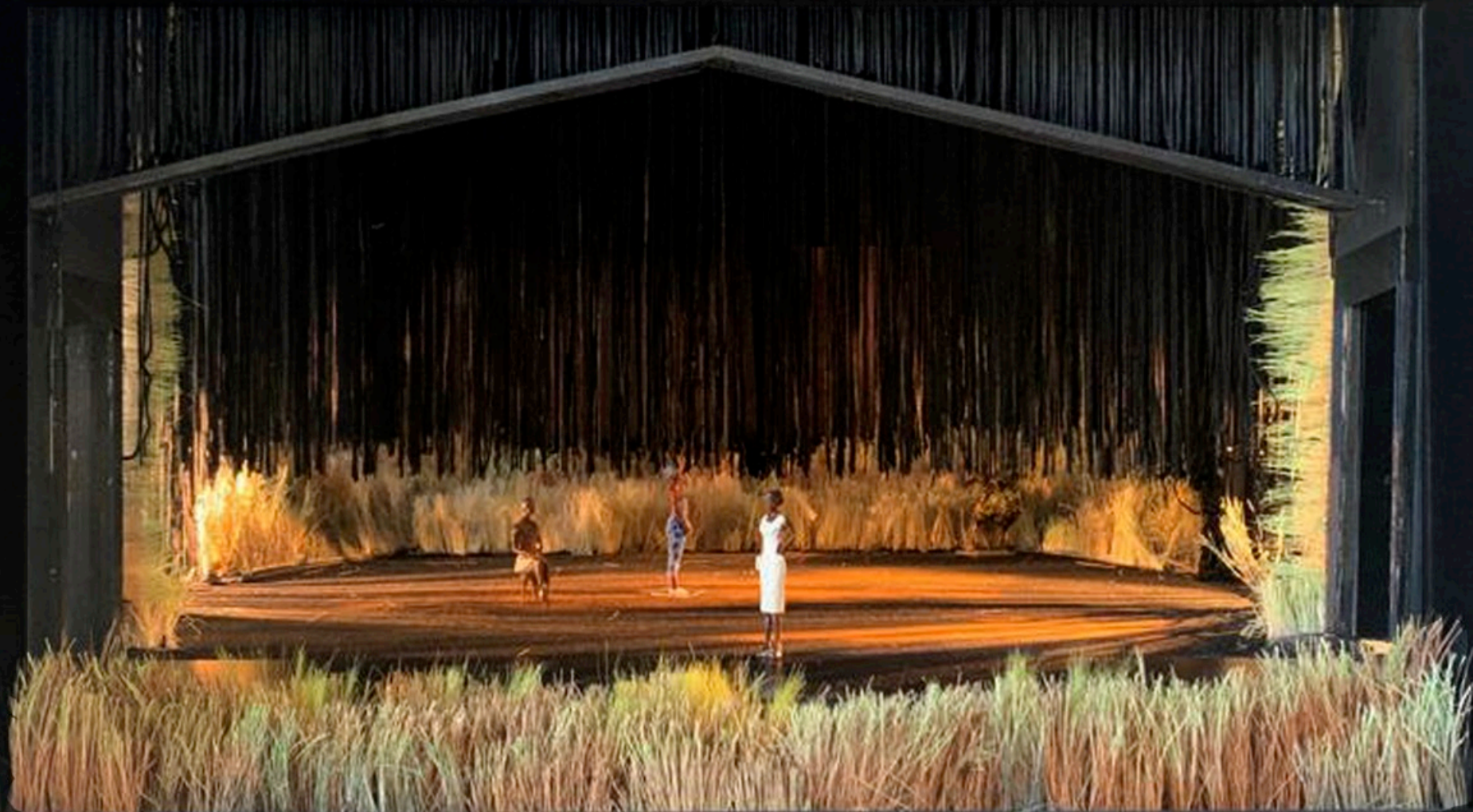




ACT 3



ACT 4





Three Sisters RA

Weapons in Theatre COP

Blank RA

Small Island Rigging MS