

## MOAT THEATRE - NAAS - CO KILDARE

TECHNICAL SPECIFICATION – UPDATED 19<sup>TH</sup> OCTOBER 2009

### GENERAL CONTACT INFORMATION

**Address:** The Moat Theatre,  
Abbey Street,  
Naas,  
Co. Kildare

**Phone:** 045 – 88 30 30

**Fax:** 045 – 88 30 32

**Email:** info@moattheatre.com

**Manager:** Kathleen Smith Mobile: 087 6468000

**Technical Manager:** Pat Callaghan Mobile: 086 2650200

### GENERAL DESCRIPTION

Newly redeveloped (2003) Bricks & Mortar 200 seat Proscenium Arch Theatre, and home to The Moat Club, Drama Group.

### TECHNICAL SPECIFICATIONS

#### Critical Stage Dimensions:

Stage Depth, Back Wall to Proscenium at Stage Right	5,900mm
Stage Depth, Back Wall to Proscenium at Stage Left	7,000mm
<i>(Note: Stage Back Wall is at an acute angle to Proscenium Wall from S Left to S Right)</i>	
No permanent Stage Apron but possible to use approx. 1 metre of auditorium floor as temporary forestage.	
Stage Crossover	No Crossover
Proscenium Width	10,000mm
Stage Width, Side Wall to Side Wall	17,500mm
Proscenium Height	5,000mm
Height to underside of Steel Grid (max setting height)	9,400mm

Scene Dock 4,700mm Wide X 6,000mm Long X 4,100mm High

Get In Door 1,700mm Wide X 2000mm High (*Street access to Get in Door with limited and restricted on street short term parking*)

**Equipment Specification:**

**STAGE LIGHTING:**

DIMMERS: 48 No. 3kw Dimmers Avolite 2000 CONTROL: DMX,  
96 Channel Memory  
with 48-2 Preset Manual Control ETC Express48/96 (*Spare DivKand RJ45 -  
Cat 5 control outlets wired to Control Room but not terminated*)

**CIRCUITS:**

Patch: - 96 Circuit into 48 Dimmer Integral Weiland Patch at Dimmers.

FOH Fixed Bar - 12 No. 16 amp Sockets Hard wired to Patch  
FOH Boom Left - 6 No. 16 amp Sockets Hard wired to Patch  
FOH Boom Right - 6 No. 16 amp Sockets Hard wired to Patch  
Stage No. 1 Bar - 12 No. 16 amp sockets wired via 2 No. Socapex Tripes to Patch  
Stage No. 2 Bar - 12 No. 16 amp Sockets wired via 2 No.Socapex Tripes to Patch  
Stage No. 3 Bar - 12 No. 16 amp Sockets wired via 2 No Socapex Tripes to Patch  
H. Level, S Right - 2 No. – 6-Way Socapex Outlets (12 circuits)  
H. Level, S Left - 1 No. – 6-Way Socapex Outlets (6 circuits)  
H. Level, S Left - 1 No. – 6-Way Socapex Outlets (6 spare circuits)  
D.S. Left - 1 No. – 6-way Socapex Outlets (6 circuits)  
U.S. Right - 1 No. – 6-way Socapex Outlets (6 circuits)  
D.S. Right - 1 No. – 6-way Socapex Outlet (6 spare circuits)  
U.S. Left - 1 No. – 6-way Socapex Outlet (6 spare circuits)  
Audience Left Wall - 1 No. – 6-way Socapex outlet (6 circuits)  
Audience Right Wall - 1 No. – 6-way Socapex outlet (6 spare circuits)

*(Note: spare circuits and circuits marked 'A' on Facility Panels are not connected to patch.)*

Visitors Supply: 3 phase @ 63amp isolator Stage Right can be used for Touring Dimmers.

**LANTERNS:**

8 No. Selecon Acclaim 650 watt New Generation Variable Beam Profiles  
11 No. Robert Juliat 1.2kw Fresnels c/w Barn Doors  
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12 No. ETC 575w Parcans  
13 No. ETC 54 Junior 200mm Profiles  
6 No. Selecon Aurora 1.2kw Cyclorama Floods

### **MISCELLANEOUS STAGE LIGHTING:**

4 No. Socapex to 6 x 16amp Socket, Spider Breakouts.  
12 No. 5 Metre 16 amp to 16 amp TRS Extension tails.  
6 No. 16amp 2-way splitters  
12 No. Standard Boom Arms.

### **HOUSE LIGHTING:**

DIMMER 6-WAY, 2.5kw Paradim Dimmer wired to 5 zones of House Light Fittings

CONTROL 1 No. Preset Control Station (normally located in Control Room)  
With plug in points also at Down Stage Left and Auditorium.

### **STAGE SOUND:**

MIXER: 'Allen & Heath P.A.12' 12.2 Mixer Amp @ 500 watt per channel  
Allen & Heath Wizard 14/4/2 Mixer

SPEAKERS: 2 No. Martin Audio F12 Full Range speakers. Normally located on Pros. Left and pros. Right.  
2 No. Martin Audio Backline F12 c/w stands

PLAYBACK: 1 No. Tascam 202Mk2 Casette Deck  
1 No. Tascam CD160 Compact Disc Player  
1 No. Tascam MD350 Mini Disc Player

MICROPHONES: 4 No. SM58 Vocal Microphones c/w 2 No. Boom Stands  
3 No. SM57 LC Dynamic Mics  
4 No. Audio Technica ES933 ML Mics (suspended)  
4 No. Boom Stands

DI BOXES: 3 No. BSS AAR 133 DI Boxes

AMPLIFIERS: 1 No. MA 1400 Amp 2 x 700 w @ 4 ohms

PA EQUIPMENT: 1 No. Yamaho SP 2000 Effects Unit  
1 No. Furman Powr Conditioner  
1 No. DBX 2231 Dual 31 Band Graphic Equalizer

### **MIC/LINE OUTLETS:**

10 No. Mic/Line SLR outlets D.S. Right  
2 No. Mic/Line XLR sends D.S. Right  
10 No. Mic/Line XLR outlets D.S. Left  
2 No. Mic/Line XLR sends D.S. Left

All Mic/Line send & return outlets terminate as XLR Flying Ends at Control Room.

**SPEAKER  
OUTLETS:** 14 No. NL4 Speaker outlets around the Stage and Auditorium wired to Speaker Patch in Control Room.

**SOUND POWER:** A series of 13amp sockets labeled SDB/1 are located around the Stage, Auditorium and Control Room Dedicated to Sound use only.

### **FOYER SOUND**

Mixing Amplifier, C.D. Player and paging Mic located at Box Office

Speakers Wall mounted in Foyer and Exhibition Space wired and selectable as 2 Zones.

Mic Outlet in Foyer and Exhibition Space.

### **STAGE COMMUNICATIONS:**

**MASTER STATION** Stonewood Audio CMS2 LSM-1, 2 Ring, normally located at Control Room.

**HEADSETS** 2 No. Talkback Headsets normally located at Down Stage Left and Down Stage Right.

Plug in points also located in Auditorium, Beside Control Room, Dimmer Room, Stage Right and H. Level Stage Right.

### **SHOW RELAY SPEAKERS**

2 No. Show Relay Speakers normally located in Dressing Rooms. Plug in points also located in Control Room, Green Room, Scene Dock, Dimmer Room, Box Office and Rehearsal Room.

### **CCTV**

6 No. CCTV BNC outlets wired from central cable point in Control Room to various locations around Stage, Auditorium and Backstage.  
1 No. Black & White CCTV Camera located in the centre of the wall of Control Room, aimed at Stage.  
3 No. Black and White Monitors (Stage Left, Stage Right and Green Room).

### **STAGE FLYING**

#### **WINCH SETS**

3 No. 5 line Hand Winch Sets at spaced intervals.  
No. 1 Winch rated at 250kg SWL  
No. 2 & 3 rated at 500kg SWL

Internally Wired Stage Lighting Bars 1,2 and 3 normally hung on these winches.

#### **HEMP SETS**

6 No. 5 line Manual Hemp Sets at spaced intervals rated at 100 kg SWL.

FLYING HEIGHT      Max. Bar Clear Flying Height = 9,000mm.

## **DRAPES & MASKING**

TABS                      1 No. Velour House Curtain. Curtain on House Track fixed to Proscenium and hand drawn from Stage Right.

1 No. Full Black Wool Serge Split Drape, 5,000mm Drop

LEGS                      6 No. Black Wool Serge Masking Legs 1,500mm Wide x 5,500mm drop.  
6 No. Swivel Sets for Masking Legs.

BORDERS                1 No. Black Wool Serge Border 12,000mm wide x 1,500mm Drop

CYCLORAMA            1 No. Filled Cloth Cyclorama 12,500mm Wide x 5,500mm Drop.

Legs, Split Drapes and Cyc cloth normally hung on Hemp Bars.

## **AUDITORIUM**

1<sup>ST</sup> eight rows of seats from Stage are on Retractable Unit. Clear auditorium space of: 9,000mm long x 12,500mm wide when unit retracted.

## **GENERAL**

Access Tallescope available for high level rigging, focusing, etc.