

MERMAID ARTS CENTRE

Outline Technical Specifications as of Feb 2026.

At Mermaid we are regularly upgrading our inventory.
Please ensure you have a current version of this document.



Note: Please check with the technical team before your get-in to make sure all your requirements are met. This specs list is not a guarantee of availability of equipment.

Auditorium

The intimate auditorium is an end-on proscenium theatre with 242 seats on a retractable rake comprising 11 rows. With the seating retracted an open hall is created which may be configured to suit other formats. Configurations other than end-on, however, require the hire of extra seating.

There is a red oak sprung floor throughout the auditorium which may not be painted or fixed into in any way. The stage comprises a removable black plywood deck @ 40mm above fixed floor. Stage floor and walls should not be painted any other colour than black. Screw fixings up to 30mm or staples only are permitted - NO Nails.



If using full stage depth there is NO BACKSTAGE CROSSOVER. Access from Stage Right only. If required, a crossover is normally created by hanging cloths on Bar #11 (see flying system).

An ORCHESTRA PIT with removable cover is sunk into the floor downstage of the pros. line. Use of the pit reduces stage depth by 1 metre.

Critical Dimensions

Total floor area (seating retracted):	19,875 x 14,150mm
Total width (wall to wall)	14,150mm
Proscenium opening (removable flats)	11,150 x 6,000mm
Wings - SR & SL	1,500mm (Each side)
Stage depth (Removable floor) DS of Pros. to back wall	7,900mm
“ With Stage extension (Orch. pit must be closed)	8,900mm (NORMAL CONFIGURATION)
Height of Stage floor	40mm
Height of grid (RSJ's throughout)	7,070mm
Max. Height of winch bars (Approx.)	6,200mm (Lx Bars 6,000mm)

Orchestra Pit

Dimensions of opening:	8,250 x 2,360mm
Internal dimensions:	7,950 x 2,060mm @ 1,500mm below floor level
Working area:	7,150 x 2,060mm with access stairs.



NOTE: The DS edge of the stage floor overlaps the pit. The pit covers are extremely heavy. Opening and closing of the pit is both time & labour intensive, requiring a clear forestage, a minimum of 4 strong crew and approximately 90 minutes for each operation. Companies using the pit are normally required to close it as part of their get-out. For Health & Safety reasons Mermaid reserves the right to insist on using house crew at the visiting companies' expense.

Access

12m (40 ft) trailers can now be accommodated by arrangement.

Load-in at stage level @ 1.2 m above street level. 6 metre push to upstage right. Trucks up to 6m. (20') may reverse up to dock, longer vehicles must park parallel to building. A tail-lift and/or ramp is recommended.



Mermaid is located at the back of a very busy public offices complex. Please let us know your requirements so space can be reserved. Long vehicles may need to arrive early morning.

Load-in doors 3m (H) x 2.25m (W)
 Scene Dock 5.8m (L) - to stage x 5.0m (W) x 5.5m (H) VERY LIMITED STORAGE SPACE!
 Dock door (onto stage). 5.0m (H) x 2.35 m (W)

Scene dock & dressing rooms located Stage Right. No access SL.

Flying System

Pile-wind motorised winch system - Total 14 no. bars for hanging scenery, lighting etc. Bars may only move in one direction at a time @ 4 metres / min., so this is NOT a flying system for quick scene changes.

HEIGHT TO GRID 7070mm

S.W.L. (per bar) 500kg. Evenly distributed.

FRONT OF HOUSE: 2 no. Bars (12500 x 48mm)
 Bar #13 @ 5m downstage of pros. (FOH Lx bar)
 Bar #14 @ 9m downstage of pros.
 Max. trim @ 5.9m.

ONSTAGE: 12 no. Bars (12500 x 48mm)
 Max. trim @ 6.3m.

DETAIL:	<u>BAR</u>	<u>POSITION</u>	<u>MOST COMMON USE – (May Vary)</u>
	Bar #12	@ 400mm from u.s. wall	Cyc Cloth or Full Blacks
	Bar #11	@ 980mm “	Legs / Cyc Cloth or Full Blacks with Crossover
	Bar #10	@ 1540mm “	Lx 4
	Bar #9	@ 2150mm “	Masking Border / Lx 4 with Cyc on Bar 11
	Bar #8	@ 2745mm “	Split Black Tabs or Legs
	Bar #7	@ 3325mm “	Lx 3
	Bar #6	@ 3915mm “	Masking Border
	Bar #5	@ 4485mm “	Masking Legs
	Bar #4	@ 5065mm “	Lx 2
	Bar #3	@ 5645mm “	Masking Border
	Bar #2	@ 6235mm “	Masking Legs
	Bar #1	@ 6815mm “	Lx 1

Advance Truss 12m x 30.5cm square truss @ 2m DS of Pros. Flown on Lodestar chain hoists.
 Max. trim @ 5.9m

S.W.L. 350kg Evenly distributed.

Stage Equipment

Drapes

1 no. Pair House Tabs (Blue Velure) @ 340mm US of proscenium. Manually operated from DSR corner.
 1 no. House Border (Blue Velure) 14m x 1m
 2 no. Borders (Black Wool Serge) 12.5m x 1m
 1 no. Border (BWS) 12.5m x 2m
 1 no. PAIR Black Travellers (BWS) on moveable 12.5m tab-track 6.6m x 6m (each)
 2 no. Drapes (BWS) 6m x 6m
 6 no. Masking legs (BWS) on swivel bars 2m x 6m
 2 no. Masking legs (BWS) on swivel bars 1.5m x 6m
 1 no. White filled Cyclorama cloth 12m x 6m

Ancillary Stage Equipment

11 no. Stage weights
 12 no. Stage braces (2m – 4m)
 1 no. Zarges (12 rung) 3-way ladder
 1 no. 3.6m (12') A-frame ladder
 1 no. 2.4m (8') A-frame ladder
 2 no. Step-ladders @ 0.8m & 2.0m
 1 no. Tallescope (Max. Platform Height @ 5.9m)

- 1 no. 7.8m (26') extension ladder
- 2 no. Trestle tables (6' x 2')
- 4 no. Small Desks

Stage Lighting

CONTROL

ETC Ion with 40 (38) sub fader wing + remote tablet
 ETC - Express 125 console (max. 125 channels) + riggers remote.
Channels 120-125 reserved for house lights!

DMX

2 x 10 way active DMX splitter (in control room) patchable to 18 outputs throughout auditorium.

HOUSE LIGHTS

six channels on lx desk, cf. above; independent dimmer alternatively, an analogue controller is available

DIMMING

69 CHANNELS @ 16 amp (3kw)

1 – 46

47 no. Robert Juliat "Tivoli". In dimmer room.

73 – 96

22 (4 no. 6 channel – 16A cee-form) Robert Juliat "Digipack" **portable dimmer packs.**

PATCH

Total 174 circuits throughout auditorium terminating at patch panel in dimmer room. These may be patched to dimmers 1 – 72 only. NOTE; only 1 patch output per dimmer channel.

83 circuits permanently distributed to 16A cee-form sockets on pre-wired bars. (See below)
 30 circuits via socapex at high level (6 onstage & 24 FOH)
 48 circuits at low level onstage (24 x socapex & 24 x 16A cee-form).
 12 circuits at low level in auditorium available if seating rig is retracted.

Pre-wired bars layout:

Lx 4	Circuits	97 - 108
Lx 3	Circuits	85 – 96 (no 88)
Lx 2	Circuits	73 - 84
Lx 1	Circuits	61 - 72
FOH Booms	Circuits	49 - 60
Advance Truss	Circuits	37 - 48
FOH	Circuits	25 - 36

SIDE LIGHTING/ BRAILING BARS

3 no. 48mm horizontal bars on both side-stage walls @ 2.25m, 4.0m & 6.0m above floor.

FOH Booms

2 no. 4 metre long located 2.5m DS of pros. Bottom at 3.0m above floor level.

LANTERNS

18 no. Selecon "Acclaim" 18-34° 600w Axial profile spots
 8 no. ETC Source Four 15-30° 750w profile spots
 4 no. ETC Source Four 25-50° 750w profile spots
 15 no. Robert Juliat 310H - 1200w fresnel
 12 no. Strand "Cantata" 1200w fresnel
 24 no. Thomas Par-64 1000w cans
 12 no. Selecon "Aurora" 1000w cyc floods (On a good day)
 7 no. Selecon 650W fresnel

CABLING

2 no. 10m Socapex c/w plug & socket ends (16A)
 Ample 16A extension cables and splitters for most rigs.
 Small assortment of 16-15 adapters etc.

GOBOS

10 no. M-size gobo holders for Acclaims
 6 no. B-size gobo holders for Source Fours (Inc. 2 only to take Glass gobos)

RIGGING BITS

11 no. boom arms
 4 no. 3m x 48mm scaffold tubes
 2 no. 6m x 48mm scaffold tubes
 12 no. Spanset slings & shackles (assorted sizes)
 Assorted short scaf. bars & couplers

AUX. POWER

2 no. 3-phase 125amp supplies. (1 x cee-form socket & 1 x tails).
 Also several 3-phase 32amp cee-forms throughout auditorium – Note; Fused at 3 x 20A.

CONSUMABLES

Please ensure you have sufficient gel, PVC & Gaffa tape etc. for your requirements. WE DO NOT STOCK COLOUR FILTER, BLACKTACK AND OTHER CONSUMABLES.

Sound

MIX-POSITIONS	1	Normally from Control Room for theatre / playback.
	2	From in the auditorium (Lose 8 seats)
CONSOLE		Midas Venice F32 24 mono inputs – 4 stereo inputs - 4mono groups/2 stereo groups – 6 x auxiliary – inbuilt firewire A/D/A convertor
PATCH		24 no. XLR sends, 8 no. returns onstage. (12 + 4 DSR , 12 + 4 DSL)
		18 no. loudspeaker outlets (Speakon & XLR) throughout auditorium, patched from control room. Diagram available on request.
LOUDSPEAKERS	4 no.	D&B C6 FoH (12" LF Driver + 90 x 50 deg. Horn) Flown @ 50cm DS of Pros. (2 Left / 2 Right
	2 no.	D&B C7 foH Sub-Bass cabinets
(MARTIN AUDIO)	4 no.	EM 76 (12" + 80 x 40 deg. horn)
	2 no.	AQ 8 (8" + 90 x 50 deg. Horn)
	2 no.	EM 201 Sub-Bass cabinets
	4 no.	EM 26 (8" + horn) Fills / monitors
AMPLIFIERS	2 no.	D&B E-PAC (full-range or mid/hi)
	1 no.	D&B D6 (subs)
	4 no.	Martin Audio 1.6 (2 x Auxiliary)
OUTBOARD	3no.	DBX 231 – Graphic EQ
	3 no.	DBX 266XL – 2 Channel Compressor / Gates
	1 no.	Symetrix 553E - Graphic Eq. (31-band / 2 chan. - (Spare)
	2 no.	DBX 266XL – 2 Channel Compressor / Gates
	1 no.	Yamaha SPX 990 - Digital effects processor
	2 no.	Tascam MD 301 - Minidisc player / recorder
MICS. ETC.	5 no.	Shure SM58 – Dynamic Vocal mics
	4 no.	Shure SM57 - Dynamic Instrument mics
	2 no.	Crown CM 700 - cardioid condenser mics
	1 no.	AKG D-1000 - condenser mic. (Not available if Show Relay is required.)
	1 no.	Sennheiser XS Wireless Hand Held XSW 1-825 Duel Set (This item is a rental)
	3 no.	Behringer DI 100 - Active DI boxes
	3 no.	BSS AR-133 Active DI boxes
CABLING	1 no.	12m. 12-way sub-multi & stage box (XLR) <i>Run to Foh Position</i>
	1 no.	20m. 4-way sub-multi (XLR) <i>Run to Foh Position</i>
	10 no.	10m Mic. Leads
	4 no.	8m Mic. Leads
	10 no.	5m Mic. Leads
	4 no.	2m Mic. leads (includes comms. - see below)
	8 no.	Speakon speaker cables (8m).
	4 no.	Speakon speaker cables (5m).
	8 no.	Speakon speaker cables (1m).
	6 no.	Speakon back to back connectors
STANDS	2 no.	Speaker stands
	8 no.	Boom microphone stands (Tall)

4 no. Boom microphone stands (Short)

Communications

2 no. Metro Audio Master stations (1 normally used for show-relay)

4 no. Metro Audio headsets & beltpacks

The centre is wired for 2 separate channels of headset communication with outlets throughout the stage & backstage area.

Show Relay

Microphone on proscenium relayed to outlets throughout building. 5 x relay speakers available. Currently 1 in each dressing room, 1 in Green Room and 1 in control room.

CCTV

Camera relays activity on stage to tech office.

Dressing Rooms

Dressing Room #1 located Stage right can accommodate 7-8 people. Includes mirror-lights and shower room.

Dressing Room #2 located upstairs adjacent to the Multi-Use Space (see below) can accommodate 6-7 people. Also includes mirror-lights, shower & wc facilities.

The Multi-Use Space (see below) is large enough to accommodate several people, and may be used as a chorus room. There are 2 no. large mirrors in this room fixed to the walls.

Wardrobe 4 no. 1.8m Costume rails

Washing machine, tumble dryer, iron & (cheap) ironing board available in Green Room. Please do not use both at the same time.

Green Room

The Green Room is comfortable for 8 - 10 people. Includes microwave, kettle and refrigerator.

Lift

A disabled hoist in the foyer may be used to bring goods upstairs. Max. load; 400kg

Internal dimensions: 1.48m (D) x 1.05m (W) x 2.6m (H). Door opening: 0.9m x 2.0m

Multi-Use Space

A second room on the first floor is available for wardrobe, workshops, meetings, rehearsals, recording etc. 20 chairs available. Also 2 paint sinks and shower & wc facilities. Please advise on your requirements so we can reserve this room for you.

Dimensions: 9.1m (L) x 4.75m (W) x 3.0m (H)

Digital Cinema Installation

The screen is located on a motorised drum directly behind the proscenium and rolls into place. The projector and audio rack are located in the control room.

Screen dimensions; 8.8 x 3.8m

Projector Barco DP 1500 DCP files required.

Picture formats supported; Flat ratio 1.85:1 / Scope ratio 2.39:1

Audio formats (analog only); Dolby A / Dolby SR / Mono

Loudspeakers; Krix Audio - Left / Centre / Right / + 10 no. surround speakers (5 left / 5 right)

Audio-Visual

1 no. BenQ W2000 Resolution 1080P. 2000 Lumens (ANSI) (This item is a rental)

Touring company laptop with HDMI output required for projection.

Staging

Mermaid has a limited amount of Nivtec staging decks available and two sets of steps.

(These are hire items and require local crewing at cost). Please contact the technical dept. to discuss, if required.

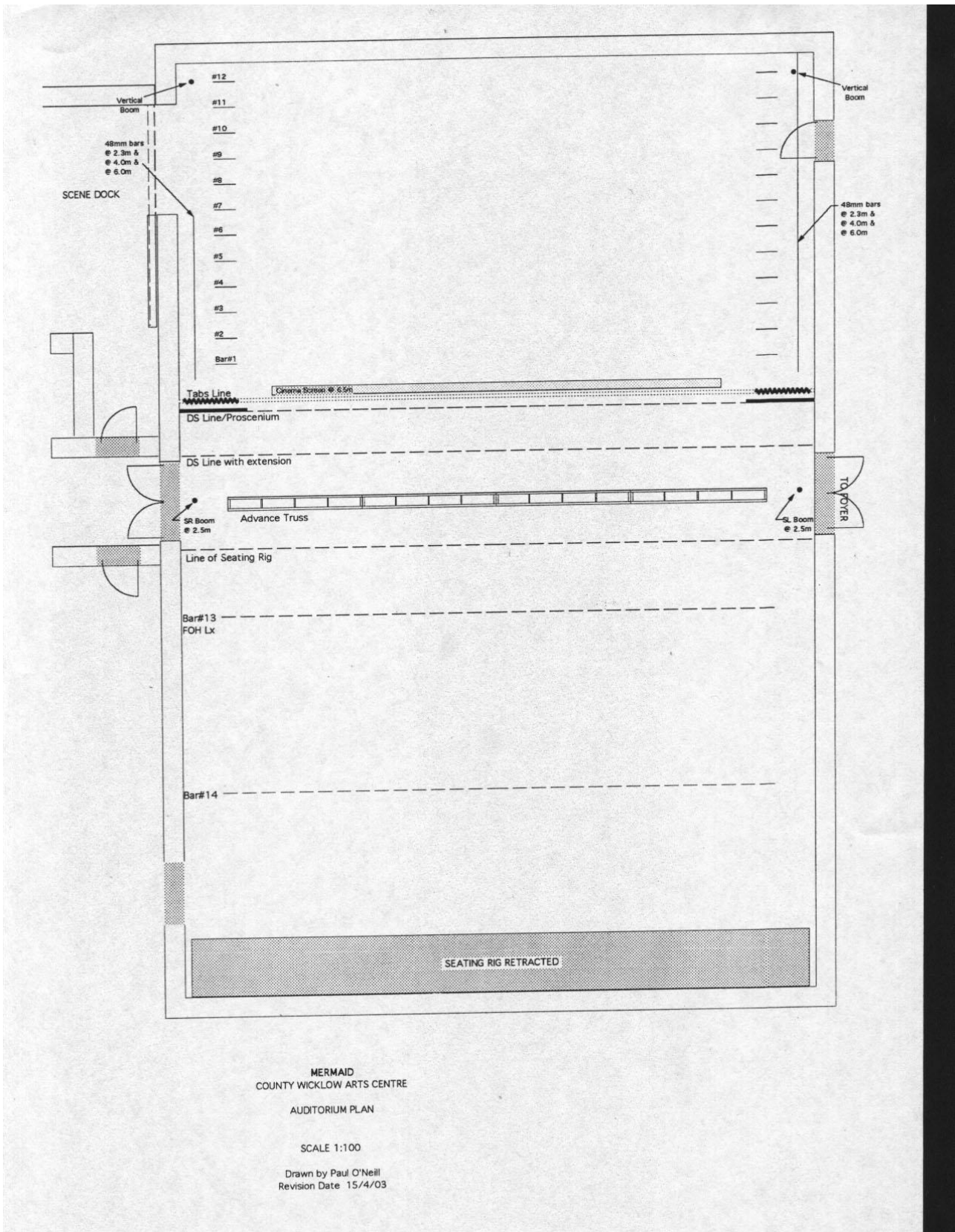
Crew



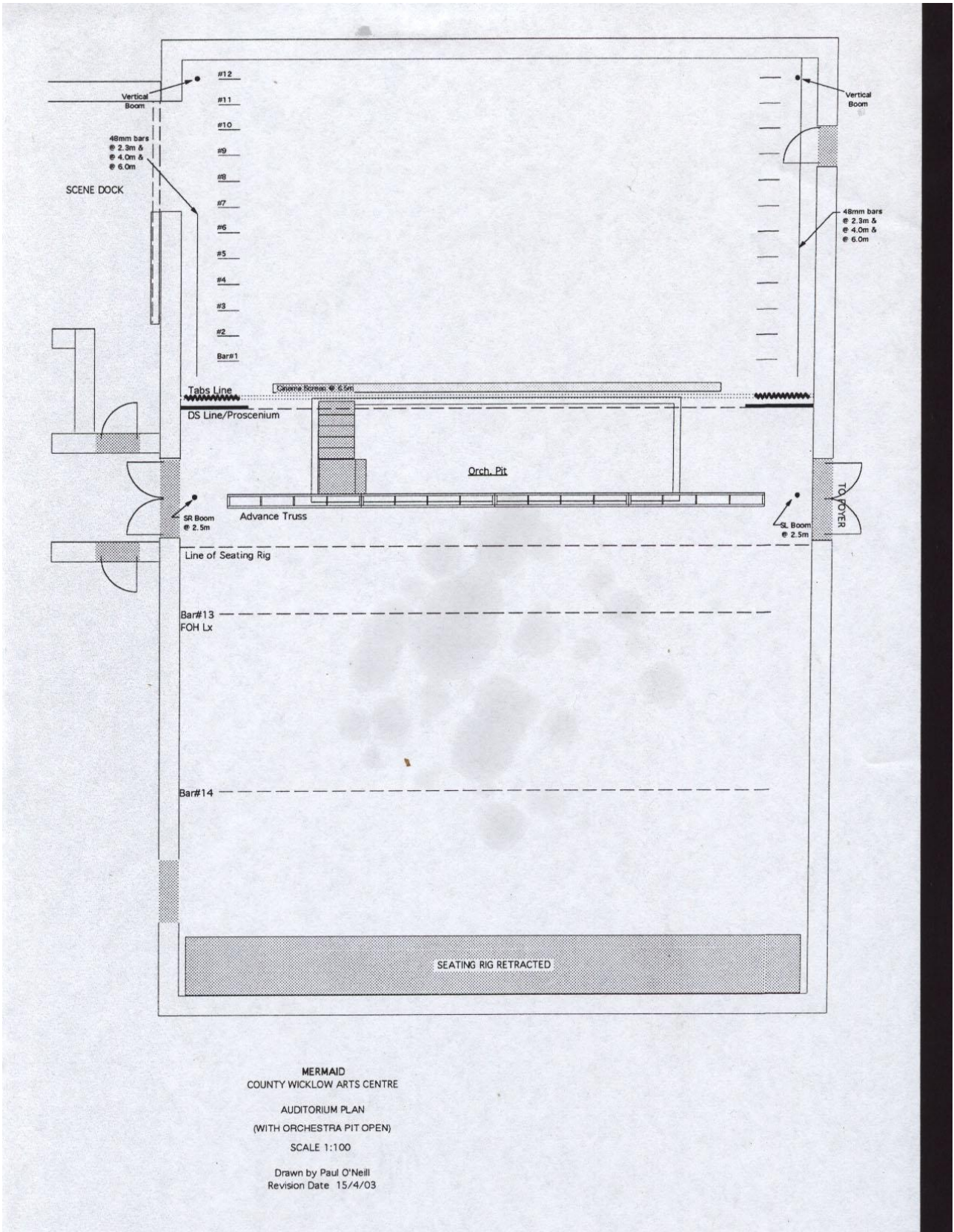
Mermaid normally provides 1 house technician for up to 8 hours to assist with get-in, and 1 technician for the get-out. We do not provide sound engineers, lighting operators or stage management for the running of shows. A member of our technical staff is however on standby at all times, in case of emergencies.

Contact

Eoin Fegan Technical Manager
Email: tech@mermaidartscentre.ie



AUDITORIUM PLAN IN NORMAL CONFIGURATION
 SCANNED IMAGE FOR GUIDE ONLY
 DO NOT SCALE



AUDITORIUM PLAN WITH ORCHESTRA PIT OPEN
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