

TWICKENHAM COMMUNITY BUILDING

SPECIFICATION

MAY 2013

Room	Surface	Finish
Main Hall	Floor	Professional hard wood semi – sprung floor.
	Wall	Painted plasterboard on blockwork with acoustic panels to be added.
	Ceiling	Painted plasterboard with acoustic ceiling tiles
	Woodwork	Painted gloss
	Fire Escape Doors	Fire escape doors to be acoustically treated
	General Lighting	LED lighting to achieve uniform minimum 400 lux across the whole space. Fittings will be individually addressable and dimmable, and can be utilised for house lighting and working lighting
	Stage Lighting	Stage lighting to be controlled from a plug in lighting desk and the facility to hang spotlights and floods in the theatre space but in particular around the stage. To include:- 2 x 24 way dimmer tracks 1 x 12 independent non dim contractor rack 1 x 48 part manual part computerized lighting desk 1 x 10 way DMX control signal splitter 6 x internally wired bars running across the stage and auditorium at high level on which stage luminaries are rigged.
	Audio Systems	A basic house audio system that gives local control of installed speakers, simple plug in of microphones, laptop etc all routed back to an equipment rack in the basements with the facility to expand the system by plugging in additional equipment. To include:- Equipment rack, with amplifiers, EQ digital signal processor, microphone and loud speaker patch bays.

		<p>Portable source rack with CD/DVD, flashcard, MP3/4 devices</p> <p>Portable audio mixer, analogue, say 16 into 2 channels</p> <p>Installed house speaker system, central cluster and side columns</p> <p>Facility panels and plug in points</p> <p>Local House Control</p>
	Technical Communication, Paging and Show Relay	<p>Show relay microphone, amplifier, signal router to front of house and backstage speakers and simple stage managers microphone box.</p> <p>Audio loop for Hard of Hearing, amplifier etc</p>
	Projection	<p>Digital projector hanging under ceiling in front of stage area projecting onto a 6m 16:9 ratio electric roll down high brightness front projection screen approx. 5 m wide.</p> <p>To include;-</p> <p>Digital projector and zoom lens, 5,500 ANSI lumens</p> <p>Electric FP screen with handheld remote operation</p>
	Rigging	<p>The ability to hang scenery, masking drapes, curtain tracks, stage lights etc across the auditorium and particularly the stage area. It is envisaged that all steel bars provided will be fixed. Access equipment will be required to be access the fixed bars safely</p> <p>To include;-</p> <p>15 fixed bars across the auditorium and stage</p> <p>Curtain tab tracks x 2 with central overlap, suspended from fixed bars</p> <p>Draperies which include a full set of black wool serge masking curtains, legs and borders</p> <p>Access equipment, including a 3 part ladder and a mini Zarges castored zip-up tower</p>
	Seating	<p>Telescopic Seating for the main bank of tiered seating in 3 mobile units, total seating of 209, with front row of loose matching chairs or providing wheelchair positions. Additional loose chairs that link in rows, with</p>

		<p>mobile storage dollies, say 250 in total. 100 fixed gallery seats to match, all fully upholstered with arms.</p> <p>To include;-</p> <p>Telescopic mobile units, including palette trucks, mortise deployments, with 209 integral seats.</p> <p>Fixed matching gallery seats, 100 total</p> <p>Loose chairs and storage, 250 chairs</p>
	Heating & Cooling	<p>The building will be serviced from a VRF heating / cooling system. This system allows simultaneous heating and cooling of different rooms. In addition, any heat recovery between rooms in heating mode and rooms in cooling mode will provide excellent energy efficiency.</p> <p>The VRF systems will also serve the VRF heat pumps for hot water and the small LTHW system.</p>
	Ventilation	<p>It is proposed to use displacement ventilation. This introduces fresh air at low level at a low velocity. The vitiated air is extracted at high level. This gives the occupants the opportunity to inhale fresh air and the heating and comfort cooling of the room can be provided by the ventilation system.</p>
Lower Ground Floor	Platform Lift	For disabled access from the dressing rooms to back of stage area
	Plant Room	To accommodate the M&E plant required for the VRF system and air handling units. .
	Floor	Altro Safety Tread
	Walls	Painted blockwork
Dressing Rooms	Floor	Altro Safety Tread
	Walls	Painted Blockwork
	Fittings	2 x WC's in cubicles (per room)
		2 x wash hand basins (per room)
		1 x Hand drier (per room)
		Laminate vanity tops with mirror above
		1 x shower tray, screen and shower (per Room)

Tech Room	Floor	Altro Safety Tread
	Walls	Painted Blockwork
Entrance Hall	Floor	Ceramic Tiling with matwell to inner lobby area
	Wall	Painted plasterboard on blockwork
	Ceiling	Painted plasterboard with acoustic tiles
	Fittings	Reception desk (style and design to be confirmed and designed to PC Sum)
	Lighting	LED Downlighters throughout
Male Toilets		Floors to be Altro Safety Tread Walls to be painted Ceramic wall tiling to wash hand basin area
Female Toilets		Floors to be Altro Safety Tread Walls to be painted Ceramic wall tiling to wash hand basin
Stairs		Concrete staircase with Altro Safety Tread
Lift		Passenger lift to accommodate 8 people
First Floor Lobby	Floors	Carpet
	Walls	Painted plasterboard on blockwork
	Bar	Specification tbc
Conservatory	Floor	Ceramic floor tiling
	Walls	Painted plasterboard on blockwork
	Terrace	Paving slabs
	Roof	Plant storage area and green roof
Flexible Spaces	Floor	Altro Safety Tread
	Walls	Painted plasterboard on blockwork
	Ceilings	Painted plasterboard with acoustic ceiling tiles
	Woodwork	Painted