

**BANG ON A CAN**  
**THE CARBON COPY BUILDING**  
**TECHNICAL RIDER**

\*\*\*SAMPLE ONLY – NOT FOR PRODUCTION USE\*\*\*

The Carbon Copy Building is a “Comic Book Opera” featuring 8 live performers - 4 Singers and 4 Musicians – set into a visually stunning world of projection and film. The projection is set upon a downstage scrim that runs the full length and height of the proscenium and upon three rear projection screens, creating a 3-dimensional stage set within which the 4 singers perform. The set also features two 2-level platforms with stair access for the performers. The musicians are to be placed downstage of the scrim, preferably in a raise orchestra pit or similar.

**Film Requirements**

1 DVD Player + Projector

*\*NOTE: lens for each production will vary based on throw distance*

**Projection Equipment Requirements :**

*To Be Updated Shortly. Please Refer to Technical Drawing for basic requirements. All projection previously included slides + multiple projectors. The new staging will be digital with all projection run off of a computer + projectors for both front and rear projection (minimum: 3 projectors but this remains uncertain).*

**Lighting Requirements**

1 Console ETC. Express or Insight Series Computer or Like Console w/ Programmer  
1 Opto-Splitter  
1 5^ degree Source 4 W/ IRIS  
30 26^ degree Source 4 W/ IRIS  
42 36^ degree Source 4  
5 50^ degree Source 4  
60 2.4 K dimmers  
4 5 meter or 18' Boom Stands  
2 4 Kg or 8 Lbs. Floor Stands  
Plot can be hung on Fixed Grid or Fly System.

**Pipe Schedule for Fly House:**

	Meters	Feet
White Cyc	0.0	0.0
1st Elec.*	0.5	1' 7.5"
2nd Elec.	1.4	4' 8"
3rd Elec.	2.25	7' 10"
4th Elec.	3.0	9' 7"
Black Masking	3.3	10'10"
5th Elec.	4.0	13' 2"
6th Elec.	4.25	14' 6"
7th Elec.	5.75	18' 10"
Screens	6.0	19' 4"

*\*NOTE: 12 inch Triangular Truss Double Hung  
Trim height on all pipes is 25' feet*

**Set Requirements**

4 platforms: 2 @ 1.75m and 2 @ 3m – sizes and orientation as on groundplan.  
Platforms should preferably be of wood construction to limit noise.

4 sets of stairs: 2 units to access the 1.75m platform and 2 units to access the 3m platform from the 1.75m platform, positions as indicated on groundplan. Handrails are required on one side of each staircase. If possible, these should also be constructed of wood to reduce noise.

Platform notes: All components should be painted flat black. Platform legs should compensate for stage rake (if any) to provide a level surface. All downstage and onstage sides of platforms should be covered with black fabric to the stage. The fabric should be attached flat – no fullness.

Screen Frames: 3 frames constructed in an L-shaped style to stretch our rear projection screens. Discuss specific sizes and velcro attachment. These frames can be jacked from the floor or suspended from the grid, whichever is most appropriate to your space.

Projector platforms: We will require positions for single slide projectors to play upstage behind the SL and SR rear projection screens. These positions should be approximately 3.5m high and a distance of 4m upstage of the screen. These positions could be simple shelves attached to your US wall, or towers as appropriate to your space.

### **Softgoods**

White sharktooth scrim: 10m wide x 7.5m high or as determined for your venue.

1 set black legs and border: to mask main scrim – discuss specific sizes for your venue.

8 black legs: approximately 2m wide for miscellaneous masking.

### **Set Furniture**

A variety of small needs: one small topped round café table, one thin rectangular table, four blue painted chairs, two red painted chairs, one wastebasket, one small 2-step unit approximately 75cm wide and other small props as needed.

### **Load In/Set up (“Get In”)**

With the new production we expect to be able to load in and set up in 1.5 days with the opening performance on the night after the first full day of loading in; example:

Day 1: 9am-11pm Load In/Set Up/Focus (calls can be 9.00-13.00; 14.00-18.00; 19.00-23.00)

Day 2: 9am-1pm: Continue Setup/Soundcheck; 2-6pm Rehearsal/Notes; 8pm Performance #1

### **Staff Requirements for Performance** (to be provided by presenter/venue)

1 DVD/Projector Operator  
1 Light Board Operator  
1 Sound Assistant  
2 Stagehands for Scene Changes  
1 Dresser/Wardrobe Person for Costume Changes

PLEASE NOTE: This technical rider is a comprehensive list of all that is required to properly run this production. Bang on a Can can provide some of the equipment listed on this rider for an inclusive fee.

### **Touring Company**

The Carbon Copy Building Company is 16 people (4 singers, 4 musicians, 6 running crew, 1 Stage Director, Boac Producer/Tour Manager).

### **Hotel Accomodations**

We require 16 single rooms for the length of our stay in the host city. The exact schedule/length of stay for the full group will be determined by the production schedule. We will work with you to make this as efficient as possible.

### **Contacts**

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**Bang On A Can**  
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**Sound Specification**

**FOH**

A speaker system capable of delivering 100dB(A) to all areas of the auditorium from 20 - 20000HZ without distortion with sub bass units (preferably driven from an auxiliary send). The system must be configured with discrete left, right, flown centre vocal cluster, front fill & vocal fill systems Particular attention should be given to side seats and extreme front seating. Flown or part flown systems are preferable and also help to avoid audience sightline problems. Preferred brands Meyer, L-Acoustic, D&B & EAW. Please: no “home made systems”. The whole system should be quiet and completely free of noise as the band have a very broad dynamic range, which can easily be compromised by a “noisy” system. **The console must be positioned in the centre area of the venue NOT under balcony or in booth.** A 32ch desk with 4 band fully parametric eq. Phantom power to be available and switchable on each input channel and at least 8 auxiliary sends individually switchable pre & post fade and 4 stereo returns on faders. Preferred brands Yamaha, Midas, Gamble, Crest or Soundcraft (Venue 2 or above **no Spirit range**). No Mackie, Behringer or other semi-professional consoles.

**FX**

31 band graphic eq inserted on all outputs e.g. L,R Centre cluster, front fills etc. Klark Teknik, BSS, Ashley, Urei **NO Yamaha Q2031/1031.**

System delays ( BSS/XTA) for all components of system e.g. L,R, Centre etc.

- 1 Lexicon PCM80
- 1 Lexicon PCM70
- 1 Yamaha SPX990
- 9 channels compression BSS/Drawmer
- 4 channels gates Drawmer/BSS
- 1 CD player
- 1 DAT machine (playback and record)

**Monitors**

8 Wedges on 5 pre-fade aux sends on FOH console, 31 band eq to be inserted across all outputs, Klark Teknik, BSS, Ashley, Urei **NO Yamaha Q2031/1031**

Wedges should be low profile, high quality and all be the same (bi-amped preferred) e.g. Meyer UM1, Clair 12AM. The monitor system **must** be quiet and free of noise.

**Personnel**

We supply a sound engineer who will operate the FOH console for the show, they must be allowed full access to all components of the sound system (cross-over's, processors, eq's etc.) to adjust as required. In installations with fixed eq another equaliser must be provided for our engineer. In addition we require 1 electrician familiar with the venue and 1 system technician.

**Microphones**

*6 Shure UHF receivers with antenna distribution and UA88 network control and cable*

For others see attached input list.

[note: we have the microphones]

*Bang on a Can: Carbon Copy Building*

CHANNEL	INPUT	MIC	STAND	INSERT	IN MONS
1	KICK	SM91	NONE	COMP 1	
2	SNARE	BETA57A	SHORT	COMP 2	
3	HAT	MKH40	SHORT		
4	RACK TOM	SM98	CLAMP	GATE 1	
5	RACK TOM	SM98	CLAMP	GATE 2	
6	FLOOR TOM	SM98	CLAMP	GATE 3	
7	OVERHEAD	MKH40	TALL		
8	TOYS	SM57	TALL		
9	KICK 2	SM91	NONE	COMP 3	
10	VIBRAPHONE	MKH40	TALL		
11	VIBRAPHONE	MKH40	TALL		
12	BASS DRUM	MKH40	TALL	GATE 4	
13	GUITAR	BETA57A	SHORT		
14	GUITAR DI	ACTIVE DI	NONE		
15	KEYS	ACTIVE DI	NONE	COMP 4	
16	KEYS	ACTIVE DI	NONE	COMP 5	
17	CLARINET TOP	M88	TALL		
18	CLARINET MID	M88	SHORT		
19	CLARINET LOW	M88	SHORT		
20	VOX ONE	RADIO ONE	H/SET	COMP 6	
21	VOX TWO	RADIO TWO	H/SET	COMP 7	
22	VOX THREE	RADIO THREE	H/SET	COMP 8	
23	VOX FOUR	RADIO FOUR	H/SET	COMP 9	
24	VOX SPARE	RADIO -SPARE			
25	PCM80 1 LEFT	FOH LINE			
26	PCM80 1 RIGHT	FOH LINE			
27	PCM70 LEFT	FOH LINE			
28	PCM70 RIGHT	FOH LINE			
29	SPX990 LEFT				
30	SPX990 RIGHT				
31	CD LEFT	FOH LINE			
32	CD RIGHT	FOH LINE			
<b>AUX SENDS</b>					
1	KEY MON			EQ	
2	PERC MON			EQ	
3	SAX/GTR MON			EQ	
4	UPSTAGE MON			EQ	
5	DOWNSTAGE MON			EQ	
6	PCM80				
7	PCM70				
8	SPX990				

**CARBON COPY BUILDING  
BACKLINE LIST**

**KEYBOARD**

Kurzweil PC88 Keyboard w/Sustain Pedal, Volume Pedal & Stand

**AMPS**

Fender Twin Amp (for electric guitar)

**PERCUSSION**

Vibraphone

5-piece Drum set (kick, snare, 2 mounted toms, floor tom, hi-hat, ride, crash)

Tambourine on stand

2 Bongos (1 pair)

1 Automobile Brake Drum

1 Large Cowbell

1 additional kick drum w/pedal

1 Concert bass drum

**Misc**

10 solid top music stands

1 tall adjustable stool

3 Drum thrones

3 220V – 110V transformers with US type outlets (for International Performances)

