



# Johann Johannson / Bill Morrison

## The Miners Hymns

1	STAGE	
1.1	Minimum performance area 10m wide x 6m deep x 6 m to grid.	
1.2	BLACK DANCE FLOOR To cover the entire stage area.	
1.3	BLACK CURTAINING Full black curtain to the rear of the stage Black legs to mask screens	x1 x1 pair
1.4	TABLES 60cm x 180cm x 70cm(high)for Sound/video/lighting operation Placed to the rear of the auditorium	x 4
1.5	CHAIRS Height adjustable stool	x 2
1.6	VENUE CREW (see attached schedule)  Sound Engineers(1 for monitors) Video Technician Lighting Crew Stage Crew	  x 2 x 1 x 1 x 2
1.7	MINERS HYMNS TOURING PERSONNEL  Technical Director Company Manager Sound Engineer Av Technician	  x 1 x 1 x 1 x 1

## 2 SOUND

### 2.0 PRIMARY SOUND SYSTEM

A high quality noise-free loudspeaker system shall be provided, suitable for full range sound reinforcement, capable to produce average-SPL 103 db at the FOH position.

If the venue is highly reverberant for example a church, please add delays as needed.

N.B All amplifiers must be sited off stage where fan noise is not audible in the auditorium. Hum, buzz and hiss are not acceptable on the sound system. The installation must be complete and tested for the morning of the get in.

- \* The main loudspeakers to be flown/hung from the venue ceiling as two clusters, namely, Left and Right.
- \* Subwoofers should be placed at each side of the stage or where possible flown/hung with the left and right clusters, in either case they will be driven in mono from a post-fade auxiliary.
- \* If the venue is very large, a delay loudspeaker system may need to be needed.

\*Suitable main loudspeaker systems include, d&b, L'Acoustics, Nexo or Meyer, including digital controller and appropriate software.

#### 2.1 F O H MIXER (digital) Nb Digital mixers are preferable to this project.

Any of the below mixers are acceptable,  
Yamaha MC7L ( or better)  
A&H Ilive with T112 or bigger surface.  
Digidesign Venue  
Midas Pro3/6/9.

##### 2.1.1 F O H MIXER ( analogue)

Analogue: Midas Verona or better,  
A&H min ML4000 series  
Yamaha PM3500 or better.

### 2.2 MONITORS

Where possible please supply separate monitor mixer.

300w wedges	x 6
Graphic Eq	x 6
to be routed as 6 monitor mixes	
If monitors are from FOH AND the FOH mixer is analogue please add	
6 Graphic Eq's to the monitor outputs	

### 2.3 FOH EFFECTS AND PROCESSING

Reverb (TC 4000/SPX2000/PCM91)	x 1
Professional quality CD player	x 1
4CH compressor ( DBX 160, 1066)	x 1
Stereo Graphic eq, KT DN 360 or similar	x 1

## 2.5 MICROPHONES ( for performances with organ)

Neuman KM184	x 14
BSS DI boxes	x 4
AKG C3000B large Diaphragm Microphone	x 4
MD 412	x 1
B52	x1
black, large boom microphone stands	x 10
black, small boom microphone stands	x 10

### 2.5.1 MICROPHONES ( for performances without organ)

Neuman KM184	x 14
BSS DI boxes	x 4
AKG C3000B large Diaphragm Microphone	x 4
DPA 4060	x 4
B52	x2
black, large boom microphone stands	x 10
black, small boom microphone stands	x 10

## 2.6 CABLES AND RIGGING

- \* Balanced, screened pair, signal cables should be used for interconnection between all microphones and outboard equipment.
- \* An adequate number of individually earthed, balanced multicore lines are to be provided between all mixers, stage and amplifiers.
- \* Adequate and safe 240V power distribution should be provided to all control areas and stage.

## 2.7 BACK LINE

Chairs without arms	x 20
High stool for Johann Johannson	x 1
Music stands with lights	x 18
Table for Johann Johannson (1.8m x 0.7m)	x 1
Conductors stand with lights	x 1
Click track c/w 4 headphone sends	x 1

## 2.8 ORGAN

The miners hymns will use in house organs where possible.  
A site visit may be necessary to listen to Organs where applicable.

Stage plots attached to this specification take into account the possibility of performing either with or without an organ.

Mix position MUST be placed centrally and in the middle of the venue where practical and definitely not behind glass or in a control room. Area required 3m x 2m minimum.

Subject to change

3 VIDEO

16K lumen DLP projector. Barco and Christies preferred x 1

Monitor x 1

Lens suited to size of image. x 1

3.1 DVI to DVI cable from control position to projector x 1

3.2 Front projection screen min 8m x 6m flown 1.8m from stage x 1

3.3 Masking for screen x 1

4 LIGHTING

A general open white stage wash is required.

5 DRESSING ROOMS

Band room (male) for 14 members x1

Band room (female) for 4 members x1

Single dressing room x2

Production staff (4 people) x 1

6 FORMA ARTS AND MEDIA PROVIDES

Mac Pro tower x 1

Please note. positions to be finalised on receipt of venue plans

## 7 Set up schedule

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Prior to the artists arrival

backline and projectors to be installed and working

PA to be installed and working

09:00 - 12:00

Set up stage

hang screen

set up control areas

2 x stage 1 x Av 2 x Sound

1 x Lighting

12:00 - 13:00

Test AV/Line check Audio

2 x stage 1 x Av 2 x Sound

1 x Lighting

13:00 - 14:00

Lunch all depts bar sound

PA Tuning

14:00 - 15:00

final prep

2 x stage 1 x Av 2 x Sound

1 x Lighting

15:00 -1800

Sound check / Technical Rehearsal

Full ensemble

2 x stage 1 x Av 2 x Sound

1 x Lighting

18:00-19:00

Dinner

1900

Doors

20:00

Show

1 x stage 1 x Av 1 x Sound

1x Lighting

## 8 Drawings/plans

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Drawing and full tech specifications of the venue to be sent to;

Kamal Ackarie

Technical Director

Forma

2-8 Scrutton Street

London

EC2A 4RT

ka@forma.org.uk

Changes or alterations to this spec must be authorised by Forma.

## 9 Signing off

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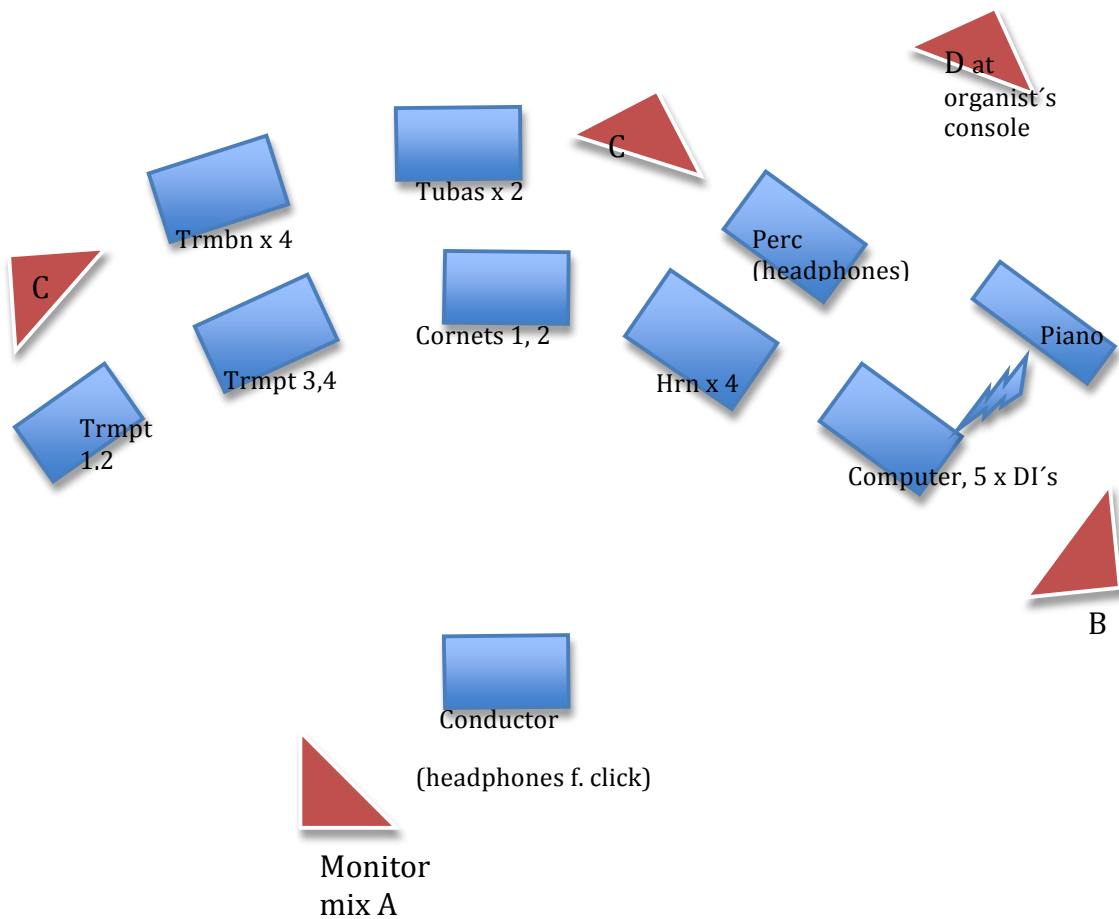
I have read, understood the technical requirements and agree to provide technical provision as per its contents.

## The Miners' Hymns

### Stage plot

#### Option A

(with pipe organ)

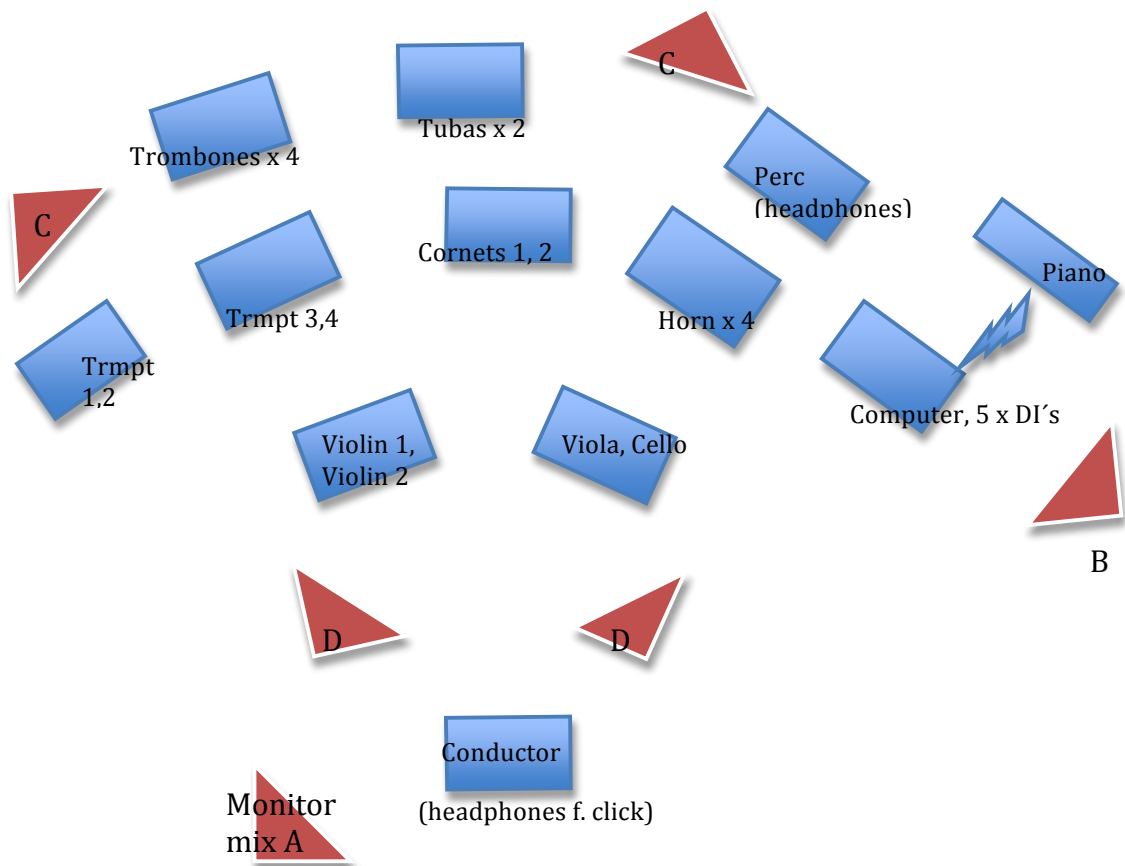


## The Miners' Hymns

### Stage plot

#### Option B

(with string quartet)



## Inputs

### Version 1 w church-organ

1	trumpet L	KM184	Tall stand
2	trumpet R	KM184	Tall stand
3	Cornet	KM184	Tall stand
4	Trombone L	KM184	Tall stand
5	Trombone R	KM184	Tall stand
6	French Horn L	KM184	Short Stand
7	French Horn R	KM184	Short Stand
8	Tubas	MD412	Tall Stand
9	Casa	B52	Tall Stand
10	Snr 1	KM184	Short Stand
11	Snr 2	KM184	Short Stand
12	TamTam	KM184	Tall Stand
13	Pipe organ L1	KM184	Extra Tall stand-stereo bar
14	Pipe organ R1	KM184	
15	Pipe organ L2	KM184	Extra Tall stand-stereo bar
16	Pipe organ R2	KM184	
17	Electronics 1	Active DI	
18	Electronics 2	Active DI	
19	Electronics 3	Active DI	
20	Electronics 4	Active DI	



Version 2 w string quartet

1	trumpet L	KM184	Tall stand
2	trumpet R	KM184	Tall stand
3	Cornet	KM184	Tall stand
4	Trombone L	KM184	Tall stand
5	Trombone R	KM184	Tall stand
6	French Horn L	KM184	Short Stand
7	French Horn R	KM184	Short Stand
8	Tubas	B52	Tall Stand
9	Casa	B52	Tall Stand
10	Snr 1	KM184	Short Stand
11	Snr 2	KM184	Short Stand
12	TamTam	KM184	Tall Stand
13	1st violin	DPA4060	clip-on
14	2nd violin	DPA4060	clip-on
15	Viola	DPA4060	clip-on
16	Cello	DPA4060	clip-on
17	1st violon o/h	KM184	Tall Stand
18	2nd violin o/h	KM184	Tall Stand
19	Viola	KM184	Tall Stand
20	Cello	KM184	Short Stand
21	Electronics 1	Active DI	
22	Electronics 2	Active DI	
23	Electronics 3	Active DI	
24	Electronics 4	Active DI	