

TRAVELLING LIGHT CIRCUS: PENDULUM WAVE MACHINE



Method statement and sign-off sheet for on-site construction. For all grass or hard surfaces

This sheet can be printed off and referred to on site, during construction.

| | | | |
|---------------|---------------|----------------|---------------------|
| | Lead | Second (2 i/c) | H&S contact on site |
| Name | Andy Benfield | | |
| Mobile number | 07980 926805 | | |

| Directions | Special Considerations | Person to check | Sign-off by Lead needed? |
|---|--|-----------------|--------------------------|
| Agree on final position of machine with client. Put pre-marked groundsheet into place, weighing or pegging down as needed. | | | |
| Mark out safe working area and protect from public ingress | Use cones and safety chain or tape if needed | 2 i/c | |
| Level installation area using chocks as needed | | 2 i/c | Yes |
| Join each pair of legs with the correct 'hat' for each pair | Ensure hat is fully engaged with each leg. Ensure distance between legs is correct, using pre-marked groundsheet | Lead | |
| Prepare for raising of legs. Brief local crew | Need 2 or ideally 3 local crew, for a total of approximately ten minutes. If conditions are windy, then consider use of guy rope as a temporary stay | | |
| Raise first leg into position and secure to ground frame | | Lead | Yes |
| Raise second leg into position and secure to ground frame | | Lead | Yes |
| Raise Axis into U-channel of one hat and temporarily secure with safety chain | Need ladders or work platform | | |
| Raise Axis into second hat and make level with small chocks. Secure to U-channels of both hats with nuts and bolts | Need ladders or work platform | Lead | Yes |
| Fix swinging arms into each of the self-aligning bearings that are fixed to the hats. Secure with 2 grub screws per bearing. | | Lead | Yes |
| Fix pendulum-catching arm into self-aligning bearings that are fixed to the swinging arms. Secure with 2 grub screws per bearing. | | Lead | Yes |
| Fix electronics fittings for lights and/or audio, as required | | 2 i/c | |
| Fix pendula | Need ladders or work platform | 2 i/c | |
| Test release mechanism and re-tune lengths as necessary | | | |
| FINAL CHECKS AND SIGN OFF | | Lead | Yes |
| Remove safety barriers | | | |