

Construction Hoist Temporary Works Report

This form to be submitted to assist the site appointed Temporary Works Coordinator in understanding the information supplied for a hoist installation and allow them to evaluate whether further information needed to make any necessary recommendations or approvals.

Note Shading = Temporary Works Responsibility

Reference:		Date:	
Site Details:		Report Author:	
Hoist Location:		Company:	
		Position:	
		Tel No.:	
		E-mail:	

Hoist Information (OEM – Original Equipment Manufacturer)

Hoist Manufacturer:		Hoist Type:	
Hoist Model:		Original OEM Specification:	Yes ☐ No ☐

If Not Original OEM Specification Please Give Details:

Passenger & Goods ☐
 Goods Only ☐
 Transport Platform ☐
 Twin ☐
 Twin Combination ☐

Size: LxW		Safe Working Load	Kg
No. of Landing Gates (e.g. G+4)			

Are the calculations site specific?	Yes ☐	No ☐
Are the forces indicated taken from the manufacturer's manual?	Yes ☐	No ☐
Is the hoist installed in accordance with manufacturer's manual?	Yes ☐	No ☐
Is the hoist being erected/dismantled progressively?	Yes ☐	No ☐
Is Manufacturer's information supplied with this Report?	Yes ☐	No ☐
Are the hoist components all genuine manufacturer's parts e.g. Tie Brackets?	Yes ☐	No ☐

Any Further Comments:

Base Information

Ground bearing pressure checked to withstand imposed loads by user: Yes ☐ No ☐
Site checked for presence of any services beneath hoist: Yes ☐ No ☐

Foundation Type:

Existing Ground ☐ Concrete ☐ Steel Plate ☐ Gantry ☐ Suspended Slab ☐ Scaffolding Base ☐ Other ☐

Hoist fixed at base: Yes ☐ / No ☐ Back-propping required? Yes ☐ / No ☐

Base Loads

Load Type: Installation ☐ In Service ☐

Free Standing Mast: Yes ☐ No ☐

Mast Moment Mx

kNm

Mast Moment My

kNm

Mast Shear Rx

kN

Mast Shear Ry

kN

Mast Height

Metres

Static load on base

kN

Buffer Force

kN

Buffer Reaction

kN

Has a Safety Factor been included in the above forces?

Yes ☐ / No ☐

Safety Factor

See drawing for buffer details

Base Fixing Method

Details of connection substrate (i.e. Slab thickness / Steel size / cracked / un-cracked etc):

Connection Method:

Expanding Anchor ☐

Chemical Anchor ☐

Bolt Fixing ☐

Cast in Insert ☐

Welded ☐

Other? ☐

Please Specify:

Method used for Anchor Selection:

Anchor Manufacturer's Software ☐

Anchor Manufacturer's Manual ☐

Data Sheet ☐

Details of fixing method included:

Yes ☐ / No ☐

Have any additional safety factors been applied?

Yes ☐ / No ☐

Design ☐ or Characteristic Load ☐

NOTE: See drawing for fixing details

Factor applied?

(Or Resistance)?

Anchor Testing Required

Yes ☐ / No ☐

Testing According to BS 8539 Or Other please specify:

Mast Tie Information

Calculations in accordance with:

EN12159 ☐

EN12158 ☐

Wind Region...?

Hoist tie forces supplied.....are they:

In Service Loads ☐

Out of Service Loads ☐

Both in and out of service ☐

Total mast height including oversail:

Metres

Tie Intervals ☐ Elevations ☐

Metres

Height to 1st mast Tie:

Metres

Maximum oversail?

Metres

NOTE: See drawing for tie plate wall mounting details

Please sketch hoist tie arrangement:

BUILDING / STRUCTURE LINE

NOTE: Refer to drawing for multiple tie layouts

NOTE: See drawing for hoist elevation details

Please sketch hoist tie ELEVATIONS / INTERVALS :

FOUNDATION / STRUCTURE LINE

NOTE: Refer to drawing for multiple tie layouts

Tie Forces

Hoist fixed to: Building ☐ Scaffolding ☐ Other ☐ Please specify

Maximum Tie Point Rx kN Maximum Tie Point Ry kN

Maximum Tie Point McZ Nm **NOTE: Not All Manufacturers will provide this information**

Distance from C/L of mast to connection point? Metres Distance between connection points? Metres

Maximum Tensile Load kN Maximum Shear Load kN
At Pin ☐ or ☐ At Fixing?

Has a Safety Factor been included in the above forces? Yes ☐ / ☐ No Safety Factor applied:

Tie Fixing Method

Hoist ties into: Concrete ☐ Masonry ☐ Stone ☐ Steelwork ☐ Scaffolding ☐ Timber ☐
Other? ☐ Please Specify

Details of connection substrate (i.e. Slab thickness / Steel size / cracked / un-cracked etc):

Connection Method? Expanding Anchor ☐ Chemical Anchor ☐ Screw Fixing ☐ Cast in Insert ☐ Scaffold Fitting ☐

Standard Tie Plates? Lindapters ☐ Bolts ☐ Clamps ☐ Welded ☐
Other? ☐ Please Specify:

Method used for Anchor Selection: Anchor Manufacturer's Software ☐ Anchor Manufacturer's Manual ☐ Data Sheet ☐

Details of fixing method included: Yes ☐ / No ☐ Have any additional safety factors been applied Yes ☐ / No ☐ Design ☐ or Characteristic Load ☐
(Or Resistance)?

NOTE: See drawing for fixing details Factor applied?

Anchor Testing Required Yes ☐ / No ☐ Testing According to BS 8539 Or Other please specify:

Appendix

List of Included documents for reference: