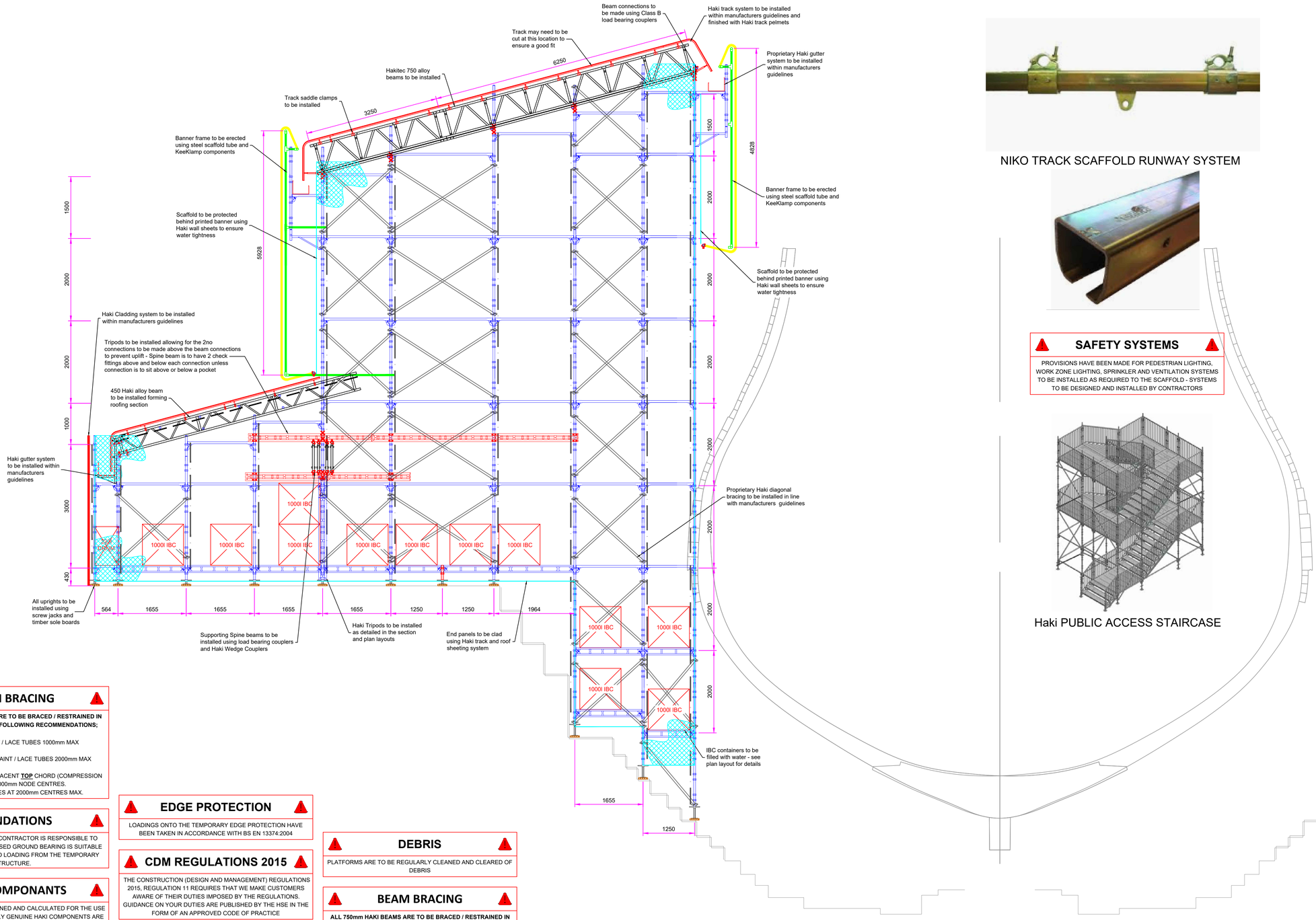


NIKO TRACK SCAFFOLD RUNWAY SYSTEM

SAFETY SYSTEMS

PROVISIONS HAVE BEEN MADE FOR PEDESTRIAN LIGHTING, WORK ZONE LIGHTING, SPRINKLER AND VENTILATION SYSTEMS TO BE INSTALLED AS REQUIRED TO THE SCAFFOLD - SYSTEMS TO BE DESIGNED AND INSTALLED BY CONTRACTORS

Haki PUBLIC ACCESS STAIRCASE

BEAM BRACING

ALL 450mm HAKI BEAMS ARE TO BE BRACED / RESTRAINED IN ACCORDANCE WITH THE FOLLOWING RECOMMENDATIONS;

1. TOP CHORD RESTRAINT / LACE TUBES 1000mm MAX CENTRES.
2. BOTTOM CHORD RESTRAINT / LACE TUBES 2000mm MAX CENTRES.
3. PLAN BRACING ON / ADJACENT **TOP** CHORD (COMPRESSION CHORD) MAXIMUM OF 1000mm NODE CENTRES.
4. KNEE BRACING AT NODES AT 2000mm CENTRES MAX.

FOUNDATIONS

THE CLIENT / PRINCIPAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE PROPOSED GROUND BEARING IS SUITABLE TO SUSTAIN ANY IMPOSED LOADING FROM THE TEMPORARY STRUCTURE.

HAKI COMPONANTS

SCAFFOLD HAS BEEN DESIGNED AND CALCULATED FOR THE USE OF HAKI COMPONENTS, ONLY GENUINE HAKI COMPONENTS ARE TO BE USED IN THE ERECTION OF THIS SCAFFOLD

SG4:15

THE SCAFFOLDERS WILL ERECT THE SCAFFOLDING IN ACCORDANCE WITH THE REQUIREMENTS OF THE GUIDANCE NOTES SG4:15

SHEETING

SCAFFOLD IF DESIGNED TO BE FULLY SHEETED IN MONARFLEX

TUBING

ALL STEEL SCAFFOLD TUBES USED ARE TO BE 'GALVANISED' COMPLYING WITH TABLE 5.10 OF NASC TG20:13

NODE POINT NOTE

ALL BRACES SHOULD BE FIXED WITHIN 300mm CENTRES OF THE INTERSECTION OF FIXED TUBES (NODE)

EDGE PROTECTION

LOADINGS ONTO THE TEMPORARY EDGE PROTECTION HAVE BEEN TAKEN IN ACCORDANCE WITH BS EN 13374:2004

CDM REGULATIONS 2015

THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015, REGULATION 11 REQUIRES THAT WE MAKE CUSTOMERS AWARE OF THEIR DUTIES IMPOSED BY THE REGULATIONS. GUIDANCE ON YOUR DUTIES ARE PUBLISHED BY THE HSE IN THE FORM OF AN APPROVED CODE OF PRACTICE

MAXIMUM SWL

THE WORKING PLATFORMS HAVE BEEN DESIGNED FOR A MAXIMUM SAFE WORKING LOAD OF:
3.0 kN/m² (300 kg/m²) ON ONE WORKING PLATFORM,
1.5 kN/m² (150 kg/m²) ON A SECOND WORKING PLATFORM,
& 1.50 kN/m² (150 kg/m²) ON THE INSIDE BOARDS.
ALL LOADING ZONES HAVE BEEN DESIGNED FOR A MAXIMUM SAFE WORKING LOAD OF:
5.0 kN/m² (500 kg/m²) ON ONE WORKING PLATFORM
ALL PUBLIC ACCESS ZONES HAVE BEEN DESIGNED FOR A MAXIMUM SAFE WORKING LOAD OF:
5.0 kN/m² (500 kg/m²) ON ONE WORKING PLATFORM

THESE LOADS MUST NOT BE EXCEEDED
All loads are unfactored

MASONRY & CONCRETE WALL SUPPORT

THE CLIENT IS TO ENSURE THAT THE MASONRY & CONCRETE WALLS ARE ADEQUATE TO SUSTAIN THE POTENTIAL MAXIMUM IMPOSED SCAFFOLDING LOADS

DEBRIS

PLATFORMS ARE TO BE REGULARLY CLEANED AND CLEARED OF DEBRIS

BEAM BRACING

ALL 750mm HAKI BEAMS ARE TO BE BRACED / RESTRAINED IN ACCORDANCE WITH THE MANUFACTURERS GUIDELINES AND INSTALLATION PROCEDURES

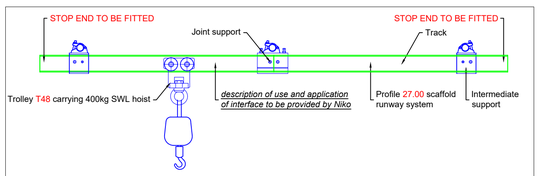
LOAD BEARING FITTINGS

- ALL STRUCTURAL SECURING AND CHECK FITTINGS SHOWN ARE TO BE A MINIMUM OF 'CLASS B' FITTINGS .

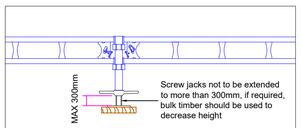
DESIGN NOTES

1. LOAD BEARING COUPLERS MUST BE USED ON ALL TIE RELATED COMPONENTS UNLESS OTHER WISE SHOWN / STATED
2. ALL TIE FORCES AND LOCATION CALCULATED IN ACCORDANCE WITH BS EN 1991-1-4:2005
3. ALL ERECTION DETAILS & PRACTICES OF:
   3.1. TG20:13 - OPERATIONAL GUIDE - A COMPREHENSIVE GUIDE TO GOOD PRACTICE FOR TUBE AND FITTING SCAFFOLDING
   3.2. TG4:19 - ANCHORAGE SYSTEMS FOR SCAFFOLDING
   3.3. SG4:15 - PREVENTING FALLS IN SCAFFOLDING AND FALSEWORK ARE TO BE CARRIED OUT AT ALL TIMES. PLEASE NOTE THE GUIDANCE NOTES SHOWN ARE NOT EXHAUSTIVE

SECTION E-E
(SCALE 1:50)



NIKO TRACK SYSTEM WITH MULTIPLE TRACK LENGTHS
(SCALE 1:20)



SCREW JACK DETAIL
(SCALE 1:20)

IBC CONTAINERS TO BE INSTALLED AND FILLED WITH WATER TO PROVIDE KENTLEDGE FOR STABILITY

NOTES:
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The customer should check that we have correctly interpreted his / her requirements and that all loadings, dimensions, details, erection and striking sequences, etc, are correct and practicable.

The customer is to ensure that the ground, structure and / or base provided for our scaffold is adequate to support the loads applied without settlement, including the provision for any necessary spreaders.

Drawing Notes:
READ ALL NOTES ON DRAWING.

ALL bracing / restraints are to be installed as per drawing.

All design and erection of scaffolds are to conform with the following British Standards and Codes Of Practices where applicable:

- BS EN 39:2001 Loose steel tubes for tube and coupler scaffolds - Technical delivery conditions
- BS 1139-1-2:1990 Metal Scaffolding - Part 1: Tubes - Section 1.2 Specification for aluminium tube
- BS 1139-2-2:2009 Metal Scaffolding - Part 2: Couplers - Section 2.2: Aluminium couplers and special couplers in steel - Requirements and test methods
- BS 2482:2009 Specification for timber scaffold boards
- BS 5975:2019 Code of practice for temporary works procedures and the permissible stress design of falsework
- BS EN 12811-1:2003 Temporary works equipment - Part 1: Scaffolds - Performance requirements and general design
- BS EN 12812:2008 Falsework - Performance Requirements and General Design
- BS EN 1991-1-1:2002 Eurocode 1: Actions on Structure - Part 1-1: General Actions - Densities, Self-weight, Imposed Loads for Buildings
- BS EN 1991-1-3:2003 Eurocode 1: Actions on Structure - Part 1-3: General Actions - Snow Actions
- BS EN 1991-1-4:2005 Eurocode 1: Actions on Structure - Part 1-4: General Actions - Wind Actions
- BS EN 1993-1-1:2005 Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings
- TG20:13 Design Guide - Technical Guidance on the use of BS EN 12811-1
- TG04:19 Anchorage Systems
- SG04:15 Preventing Falls in Scaffolding
- SG25:14 Access and Egress from Scaffolds
- CG06:09 Scaffold Design

LOAD BEARING COUPLERS MUST BE USED ON ALL TIE RELATED COMPONENTS UNLESS OTHER WISE SHOWN / STATED

Unless stated otherwise genuine products / components are to be used to ensure that structural performance can be guaranteed.

No alteration in or which may effect the loading is to be made without reference to RDG Engineering Design Office.

Dimensions:
All dimensions are in mm and centre to centre unless otherwise stated.
Written dimensions will take precedence over scaled dimensions.

FOR CONSTRUCTION

ISSUE	DATE	DESCRIPTION OF ISSUE	DRN	ENG	CHECKED	APPROVED
00	25/08/2020	Issued For Construction	JB	--	--	--
P2	21/08/2020	Issued For Approval	JB	--	--	--
P1	03/08/2020	Issued for Approval	JB	JB	CDE	RDG

CLIENT
The National Museum of the Royal Navy

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PROJECT
HMS Victory Portsmouth

DRAWING TITLE
Starboard Renovation Scaffold Section Drawings E-E

CLIENT'S DRAWING REFERENCE

SCALE	RDG ENGINEERING DRG No.	ISSUE
@ A1	5606-01-02-108	00

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