



MINISTRY OF DEFENCE

**Defence
Infrastructure
Organisation**

SAFETY ALERT

**Subject: STRUCTURAL INSPECTION OF DOOR HEADER
STEELWORK IN "L" TYPE HANGARS.**

Number: 06/11

DIO Secretariat Sponsor: Robin Cawthorne

Date of issue: 27 July 2011

Contact if different from above Sponsor: David Wheeler, DE Ops North-PTS7a,
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Who Should Read this: CEStOs, Top Level Budget Holders, MOD Project Managers, Organisations appointing Authorising Engineers (AE) and Authorised Persons (AP) including: Commanding Officers/Heads of Establishment, Defence Infrastructure Organisation (DIO) Deputy Directors (Estates), DIO Advisors, DIO Facility Managers and Maintenance Management Organisations, who are advised to draw it to the attention of the relevant Supply Chain organisations.

When it takes effect: immediately

When it is due to expire: never.

Health and Safety

Equality And Diversity Impact Assessment

This policy has been Equality and Diversity Impact Assessed in accordance with the Department's Equality and Diversity Impact Assessment Tool against:

Part 1 Assessment Only (no diversity impact found)

1. Introduction:

COMPLIANCE WITH THE CONTENTS OF THIS ALERT WILL ENABLE COMPLIANCE WITH THE HEALTH & SAFETY AT WORK ETC ACT 1974 AND ITS SUBORDINATE REGULATIONS.

The appropriate MOD officer shall arrange for the Regional Prime Contractor (RPC)/ Maintenance Management Organisation (MMO) contractor or other persons responsible for :

- a. Health and Safety across the respective establishment,
- b. Maintenance of fixed assets on the establishment

to carry out actions in accordance with this Safety Alert.

On MOD Establishments occupied by United States Visiting Forces (USVF) responsibility is jointly held by USVF and DIO (USF). At base level this jointly managed organisation is to take appropriate action to implement the contents of this Safety Alert. Where this Safety Alert contains procedures which differ significantly from USVF practice, DE (USF) code of practice is to be issued.

2. Background.

In recent months RAF Lossiemouth and RAF Kinloss have reported significant deterioration to the structural steelwork of the soffit of the main door headers on their "L" type hangars. These were in poor condition and had corroded and delaminated to the extent where there was the potential for structural failure and collapse. Consequently there is a risk that personnel in the vicinity of these doors could be injured by falling structural elements.

Given that these hangars are of a standard design and detailing, and that the deterioration noted occurred at the same point in the structure in all cases, it is anticipated that this will be a systemic problem with all "L" type hangars across the defence estate and not just confined to the above sites.

In order to mitigate any potential failures in the "L" type hangar the below actions are required.

3. Required actions.

- a. All establishments are to determine if they have any "L" type hangars in their inventory. If none exist on the respective establishment then no further action is to be taken.
- b. Any establishment having "L" type hangars in their inventory are to immediately conduct a structural survey to determine the severity and extent of any deterioration of the soffit steelwork of the door headers.
- c. Any steelwork identified as being in an immediately dangerous condition is to have the hazard removed by immediate temporary repairs. See attached drawing.
- d. All results of the above inspection shall be passed to the Subject Contact Point given below, irrespective of the findings.

4. Further Information.

The attached drawing can be used to identify the affected areas and is also a suggested method of applying a temporary repair. It should be noted that this drawing may be subject to third party rights.

5. Subject Contact Point

Any queries or requests for further information are to be sent to the following

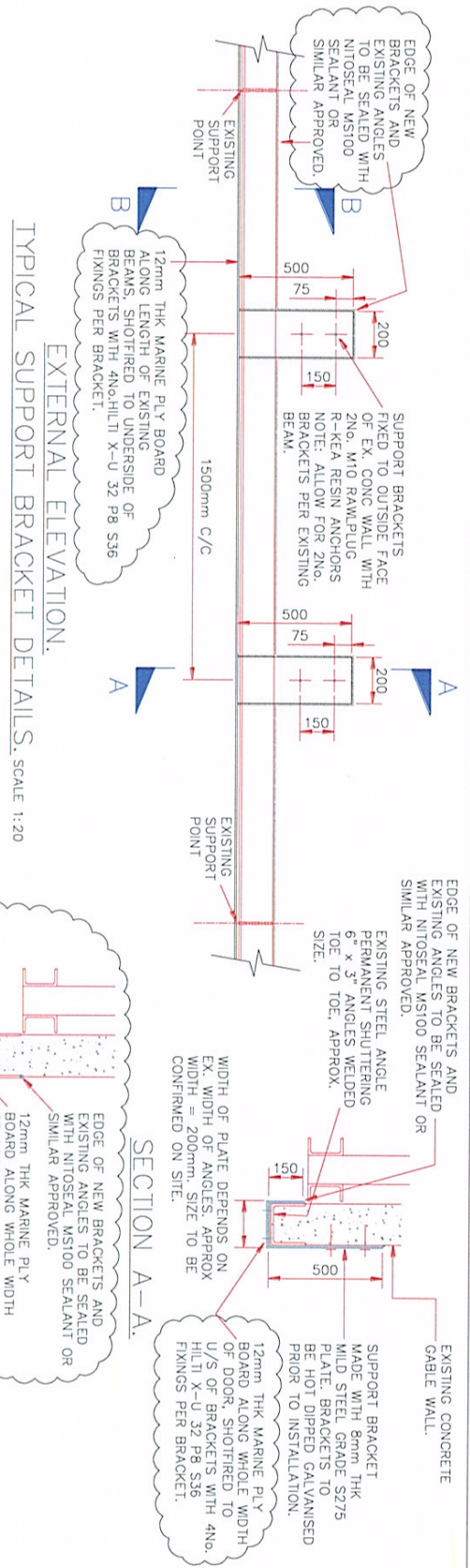
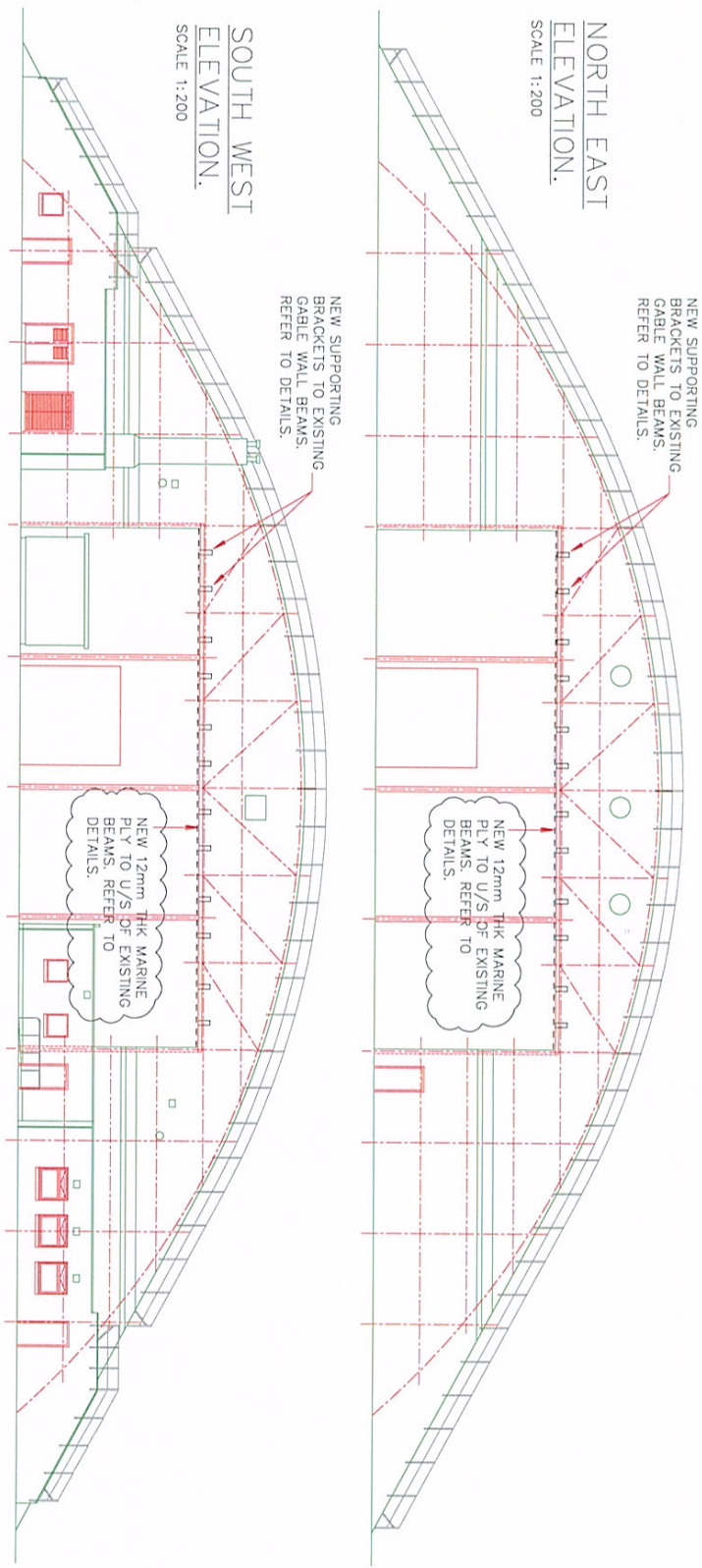
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DO NOT SCALE

NOTES



AREA FOR REF. N 105

ORIGINAL DRAWING NO. 01

NO.	REVISION	DATE
1	REV BOARDING & SEALANT ADDED	08/2010
2	DISCREPANCY	08/2010

PRELIMINARY

DEFENCE ESTATES SCHEME
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TURNER
 FRANK SOLUTIONS

URS
 CORPORATION LIMITED
 240 WEST GORGE STREET, OXFORD, OX4 2AE
 TEL: 01865 206220 FAX: 01865 206221

DEFENCE ESTATES
 AREA NORTH

PROJECT
 KISS0100181A - HANGER 15
 GABLE WALL BEAM DEFECTS
 PROPOSED TEMPORARY
 WORKS.

DRAWING TITLE
 PROPOSED TEMPORARY
 WORKS.

DATE
 31-AUG-2010

DESIGNED BY
 CHECKED BY
 APPROVED BY