

# Donald Insall Associates

## The Church of St Peter, Wrockwardine

Essential Tower Repairs – Bell Chamber Openings  
Addendum to Quinquennial



Chartered Architects and Historic Building Consultants

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Issue date: 14<sup>th</sup> November 2013  
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## 1. Introduction

At the request of St Peter's Church PCC, Donald Insall Associates (DIA) has undertaken a further inspection of the tower fabric with reference to urgent/essential repair works subsequent to the issue of the Quinquennial Inspection in June 2012.

This report is to be read in conjunction and as an addendum to the Quinquennial. It focuses in more detail on the state of the tower stone work and more specifically the Bell Chamber Decorated louvered openings.

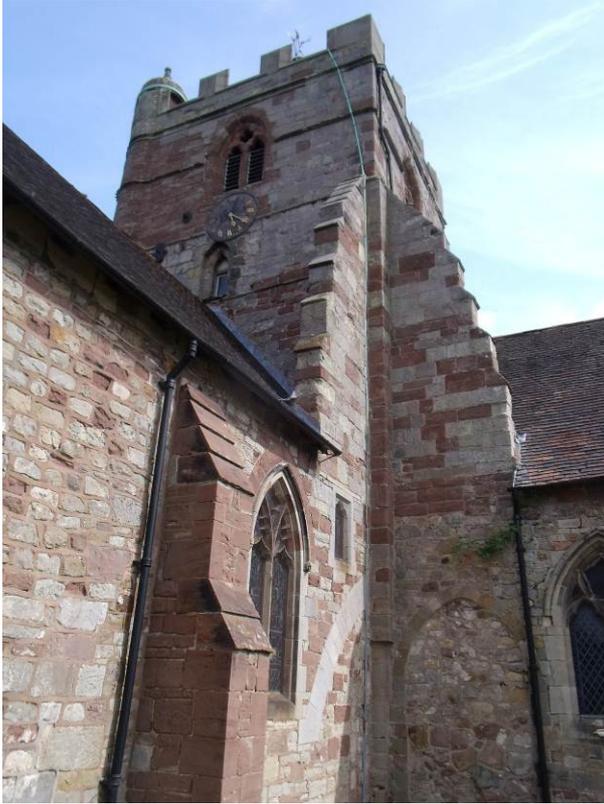
## 2. Essential Work

The following survey photographs of the four openings on each face of the tower demonstrate a high degree of weathering and some cracking of key support arch stones. Work to these arches was noted in the Quinquennial as being necessary within five years.

However a closer inspection has clearly indicated that this work needs to be brought forward and undertaken within the next two years.

The stone is a soft red sandstone, and the degree of further erosion is now deemed to be in an escalated state owing to the extent of weathering that the stone has already been subjected to and the level of survival of the stone cross section/form. This is further enforced by the high level and exposed location of these openings.

### 3. Bell Chamber Openings – Condition



**W1 (left) - Tower West Elevation**

**W2 (bottom left) - External detail of Bell Chamber Decorated opening**

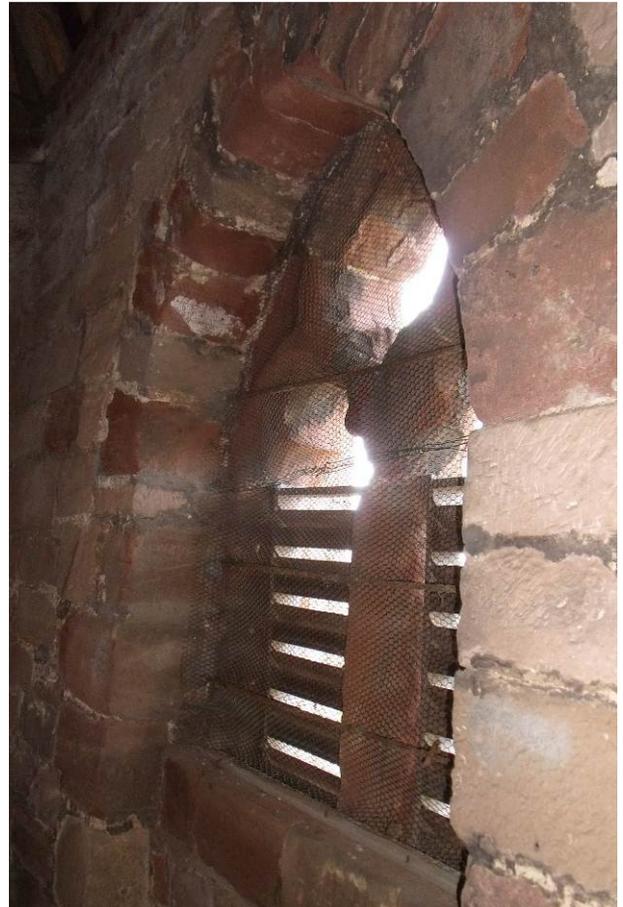
**W3 (bottom right) - Internal detail of Bell Chamber Decorated opening**

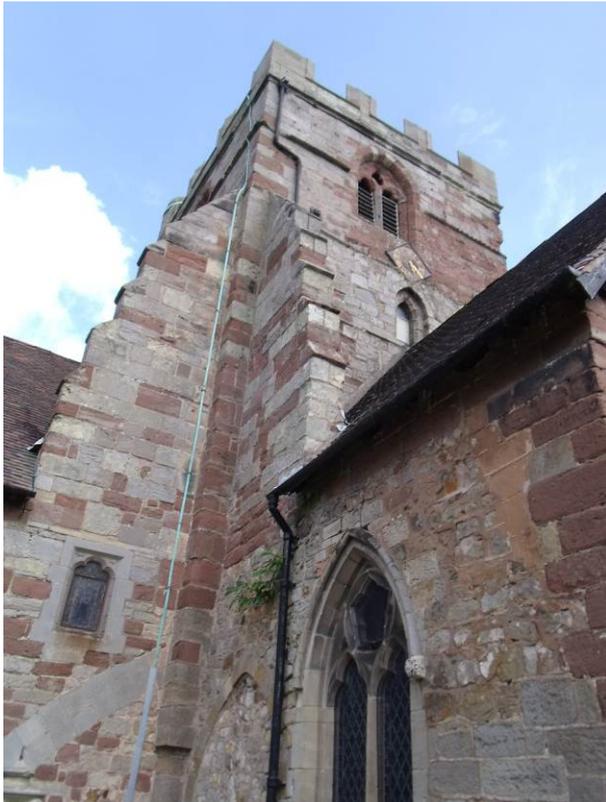
Tracery stones forming the double lancet head and quatrefoil over, are heavily weathered and the form of the tracery has become obscured through lack of definition.

The two tracery stones which sit on top of the chamfered mullion and form the base of the quatrefoil and top of lancet arches are so heavily weathered as to be vulnerable to instability. The north main arch stone has heavy under scouring with a high degree of weathering back from original face line.

The chamfered mullion is heavily weathered and continues to show active spalling.

Access to address essential stone repairs to this opening would afford the opportunity of addressing other essential local stone repairs to this elevation, together with tower works noted in the Quinquennial.





**S1 (left) - Tower South Elevation**

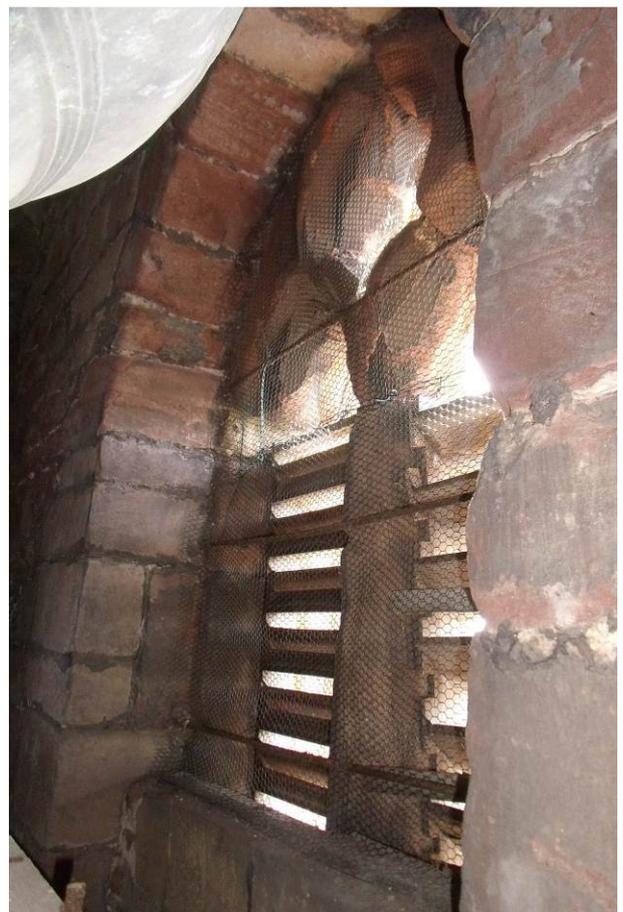
**S2 (bottom left) - External detail of Bell Chamber Decorated opening**

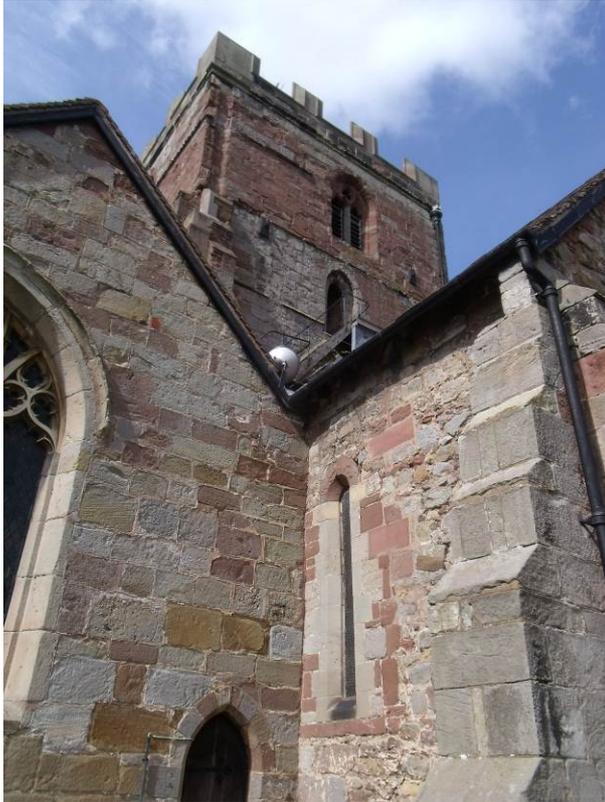
**S3 (bottom right) - Internal detail of Bell Chamber Decorated opening**

Tracery stones forming the double lancet head and quatrefoil over, are excessively weathered both internally and externally and show on going active spalling of surfaces. These stones are potentially vulnerable to collapse and require replacement.

The two tracery stones which sit on top of the chamfered mullion and form the base of the quatrefoil and top of lancet arches are so heavily weathered as to be vulnerable to instability. There is heavy under scouring with a high degree of weathering back from original face line to both east and west side of main arch.

Access to address essential stone repairs to this opening would afford the opportunity of addressing other essential local stone repairs to this elevation, together with tower works noted in the Quinquennial.





**E1 (left) - Tower East Elevation**

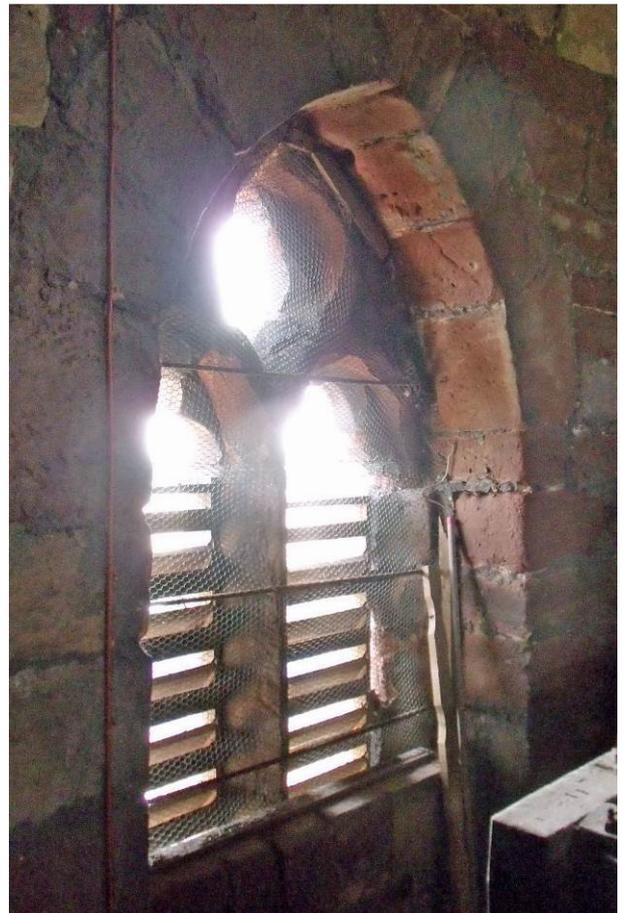
**E2 (bottom left) - External detail of Bell Chamber Decorated opening**

**E3 (bottom right) - Internal detail of Bell Chamber Decorated opening**

Tracery stones forming the double lancet head and quatrefoil over, are excessively weathered both internally and externally particularly the south side.

The two tracery stones which sit on top of the chamfered mullion and form the base of the quatrefoil and top of lancet arches are both cracked and in a state of collapse/failure. These stones require replacement. There is heavy under scouring with a high degree of weathering back from original face line to the south side of main arch.

Access to address essential stone repairs to this opening would afford the opportunity of addressing other essential local stone repairs to this elevation, together with tower works noted in the Quinquennial.





**N1 (left) - Tower North Elevation**

**N2 (bottom left) - External detail of Bell Chamber  
Decorated opening**

**N3 (bottom right) - Internal detail of Bell Chamber  
Decorated opening**

Tracery stones forming the double lancet head and quatrefoil over, are heavily weathered and the form of the tracery has become obscured through lack of definition.

The joints of the two tracery stones with the top of the chamfered mullion and adjacent arched tracery stones have become so weathered as to make this arrangement vulnerable to instability.

The chamfered mullion has a scoured surface.

The louveres are in a state of collapse.

Access to address essential stone repairs to this opening would afford the opportunity of addressing other essential local stone repairs to this elevation, together with tower works noted in the Quinquennial.

