Tudor Renaissance Monuments
Deconstructed and Reconstructed: 3D Laser scanning and the Tombs of the Dukes of Norfolk
Wolfson College, Cambridge 29/1/14

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A forensic multi-disciplinary examination of sixteenth-century monuments commemorating the Howard Dukes of Norfolk and their family, in St Michael’s, Framlingham, Suffolk

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Two of these monuments are known to have been moved to Framlingham after the Dissolution of the Monasteries. The first is the monument of Thomas Howard, 3rd Duke of Norfolk (d.1554).
The second is the monument of Henry Fitzroy, Duke of Richmond & Somerset (d. 1536) & Duchess Mary (younger daughter of the 3rd duke and his second wife)
The Richmond Tomb features a series of Old Testament narrative reliefs: this one shows the Drunkenness of Noah.
The Howards’ original burial site had been at Thetford Priory, in Norfolk, some 40 miles away. Here, we are looking east towards the high altar.
Earlier studies suggested that the 3rd duke’s and Richmond’s tombs are composites, using elements salvaged from Thetford but completed later, in the 1550s.
3rd Duke’s tomb. Evidence of repair after damage caused by move from Thetford to Framlingham.

The triangular piece is a repair in a different stone.
Every stone of which both the monuments were constructed was drawn and measured, so that the scanned monuments could be virtually dismantled along their original construction lines.
Exploded isometric drawings were produced to instruct the PhD student working on the scanned data.
Europac scanning the monuments
The tomb-monuments of Thomas Howard, 3rd Duke of Norfolk (d.1554) and of Henry Duke of Richmond and Somerset (d.1536), St Michael's, Framlingham, Suffolk.

**Key**
- **Stone**
  - Phase 1, c. 1539, Carved in Thetford, when the monuments were planned to stand in Thetford Priory Church.
- **Red**
  - Phase 2, 1550s, Carved in Framlingham, when the monuments were hurriedly finished and set up.
- **Blue**
  - Heraldic Lion, moved from the 4th Duke’s monument.
Pieces from the Howard monuments, excavated on the site of Thetford Priory in the 1930s and now in English Heritage care.
Richmond's monument details above, excavated pieces below
British Museum panels

Detail of 3rd Duke’s tomb