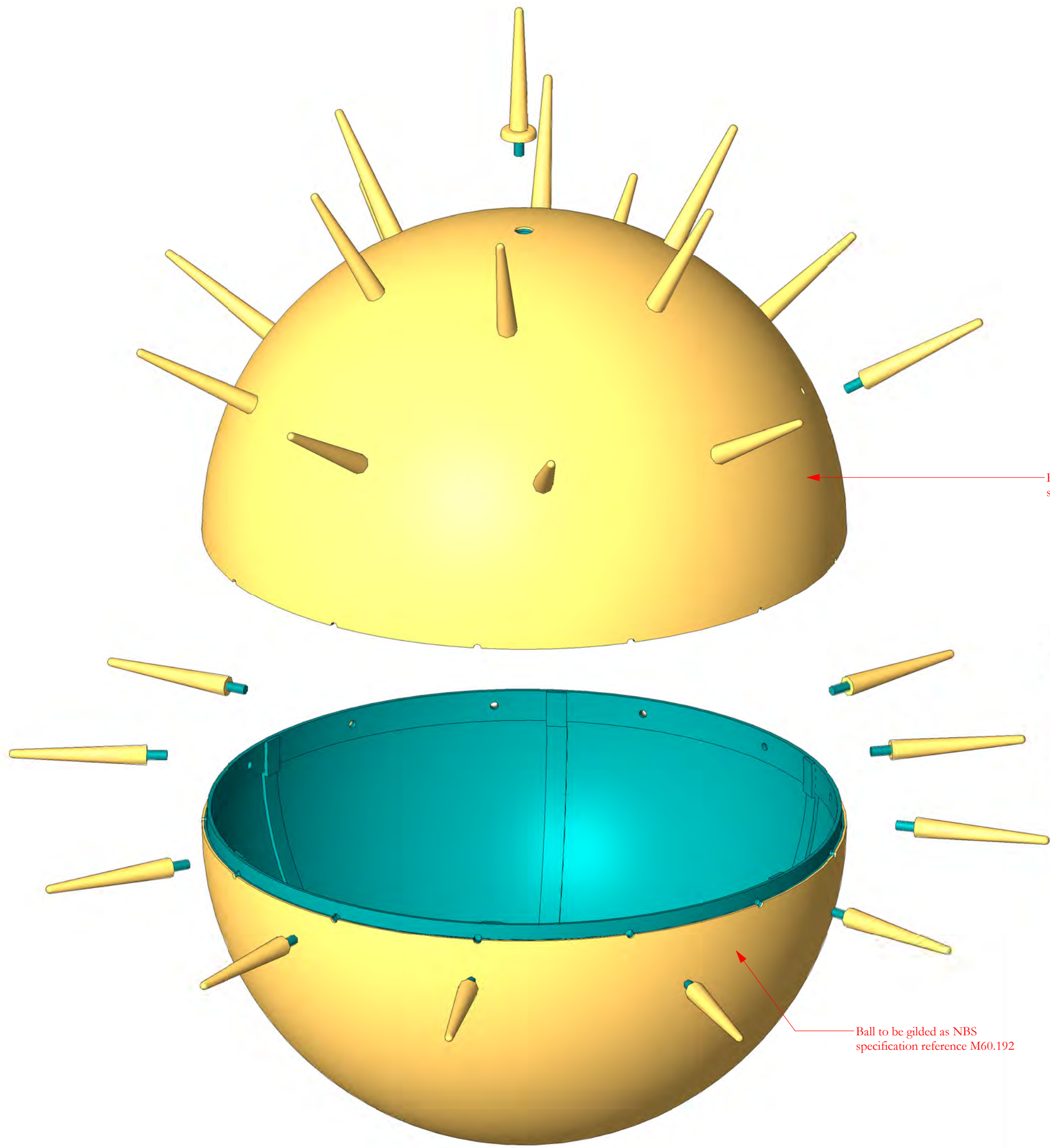


Scale Bars to be used as guidance only - refer to sheet size below									
1:100	mm	1000	2000	3000	4000	5000	6000	7000	8000
1:200	mm	500	1000	1500	2000	2500	3000	3500	4000
1:500	m	10	20	30	40	50	60	70	80
1:1250	m	10	30	50	70	90	110	130	150

Notes:
Drawings are based on survey data and may not accurately represent what is physically present.
Do not scale from this drawing. All dimensions are to be verified on site before proceeding with the work.
All dimensions are in millimeters unless noted otherwise.
Purcell shall be notified in writing of any discrepancies.



Ball and spikes to be gilded as NBS specification reference M60.192

New 60mm diameter x 25mm thick top support washer for upper section of ball

25mm diameter internally threaded stud detail for connection to top spike

Ball to be gilded as NBS specification reference M60.192

12mm diameter spacer tubes with ends filed to angles to fit tightly against inside face of leaves and outside face of new capping

New 6mm diameter approx 65mm long dome headed brass screws fixed into drilled and tapped holes in new capping section. Screw heads to be gilded in-situ following installation

Existing foliage detail to be gilded as NBS specification reference M60.192

New brass capping section to fit on the outside of the bottom skirt detail

Existing base/ weathering skirt to be gilded as NBS specification reference M60.192

Exploded Isometric view of components

Scale 1:5

Drop rod connection components and coupler

12mm diameter spacer tubes with ends filed to angles to fit tightly against inside face of leaves and outside face of new capping

New brass capping section to fit on the outside of the bottom skirt detail

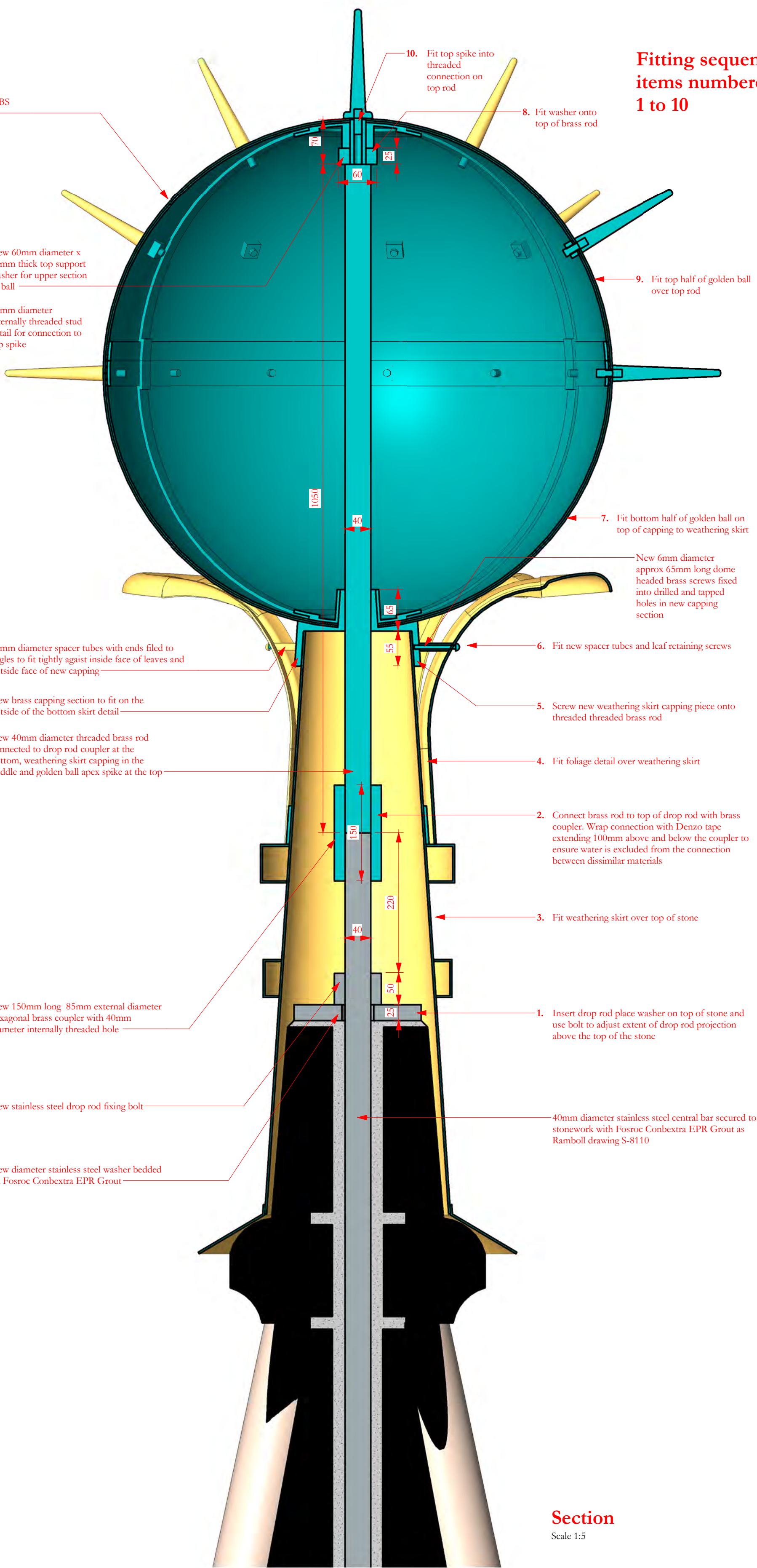
New 40mm diameter threaded brass rod connected to drop rod coupler at the bottom, weathering skirt capping in the middle and golden ball apex spike at the top

New 150mm long 85mm external diameter hexagonal brass coupler with 40mm diameter internally threaded hole

New stainless steel drop rod fixing bolt

New diameter stainless steel washer bedded on Fosroc Conbextra EPR Grout

Fitting sequence items numbered 1 to 10



Section

Scale 1:5



Weathering skirt capping

Scale 1:5

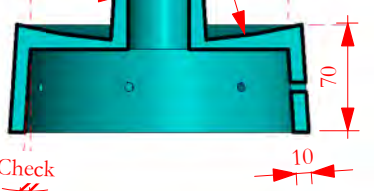
The new weathering skirt capping is to fit on the outside of the existing weathering skirt. All dimensions of the weathering skirt and connection to the bottom half of the sphere should be carefully checked before manufacturing the new component

Plan

Connection to base of ball to match height, outside diameter and taper angle of the original fitting. Inside to be threaded for connection to brass rod

External diameter at top of weathering skirt

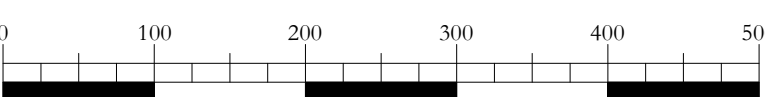
Radius to outside radius of sphere



Section

SCALE BAR

1 to 5



28/10/2022 JC GR First Issue

ISSUE DATE APPROVED DRAWN DESCRIPTION



OUR TOWN HALL PROJECT



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PROJECT STATUS RIBA stage 5

CLIENT Manchester City Council

PROJECT Our Town Hall

DRAWING TITLE Clock Tower spire golden ball finial repair and alteration details

SIZE & SCALE A1: 1 : 5

DRAWING STATUS S4 Construction

JOB NUMBER 236959

DRAWING NO.

REV

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