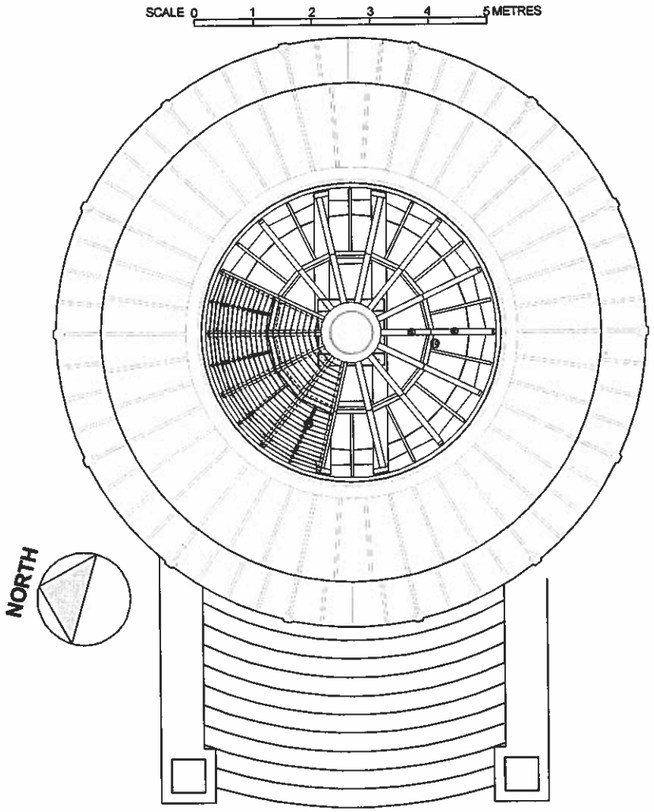
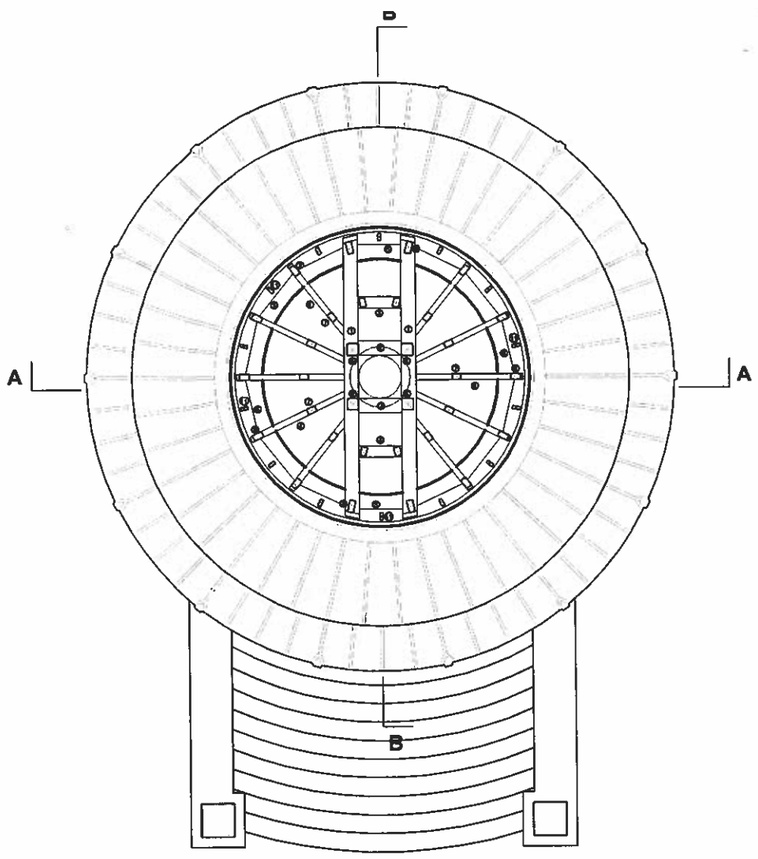
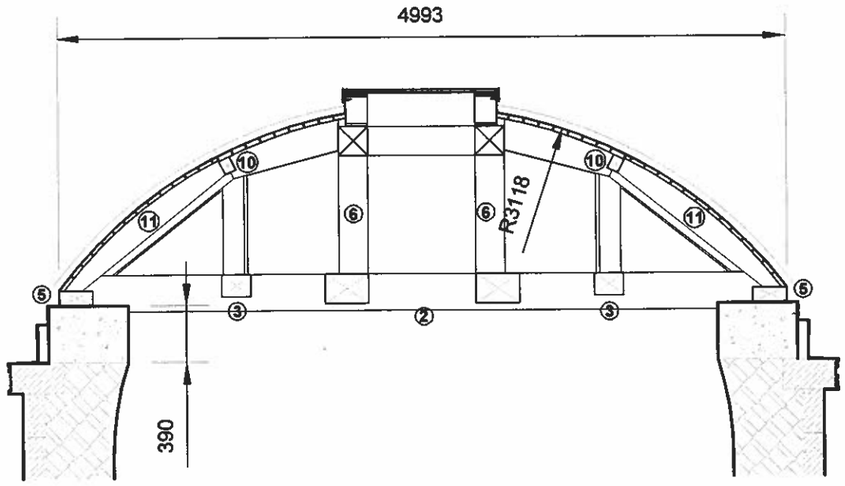


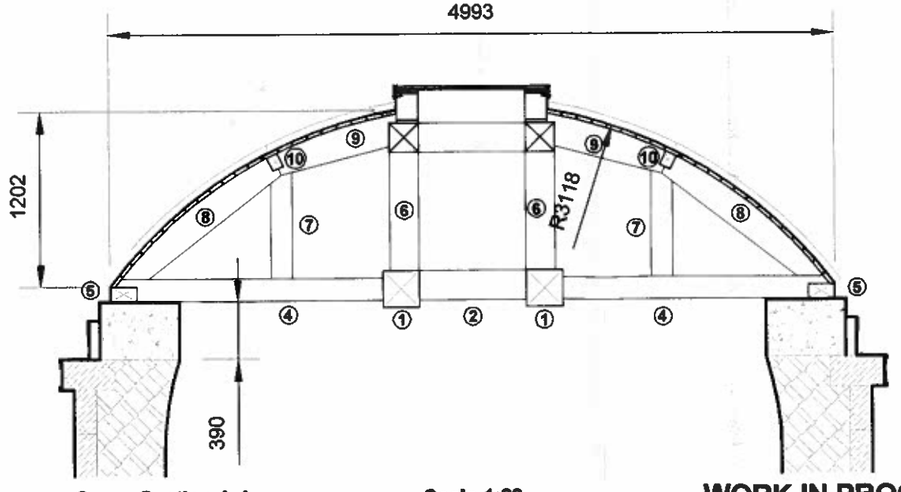
Roof Structure Plan Scale 1:50



Roof Structure Plan at springing Scale 1:50



Cross-Section B-B Scale 1:20



Cross-Section A-A Scale 1:20

Structural Timber Sizes

All subject to confirmation on the Structural Engineer Drawings

1. 250 x 250mm cross beams fixed at either end into concrete ring beam
2. 300 x 200 x 734mm beam morticed and tenoned into cross beams
3. 200 x 150 x 734mm beams morticed and tenoned into cross beams
4. 100 x 150mm tie beams morticed and tenoned into cross beams and fixed into concrete ring beam
5. 227 x 100 x 1110mm wall plates fixed into the concrete ring beam
6. 200 x 200 x 1014mm post with 200 x 200 tie beams between at head. Post to be mortice and tenoned into 250 x 250 beam at bottom and tie beams to be mortice and tenoned into side of 200 x 200 posts. 15 mm thick x 150mm wide steel fixing plate with 734mm Ø hole in centre to be fixed on top of beams to support 150 wide x 180 high radiused upstand kerb.
7. 150 x 100 x 730mm strut morticed and tenoned into tie beam
8. 100 x 208 x 1342mm rafter with outside radius of 3085mm to be mortice and tenoned into tie beam and fixed to top of strut
9. 100 x 218 x 1317mm upper rafter with outside radius of 3088mm to be fixed to top of strut and bolted to steel plate
10. 100 x 80 x 532mm purlins
11. 50 x 173 x 1366mm intermediate rafters morticed and tenoned into wall plates and purlins

WORK IN PROGRESS

REVISION	DATE	DRAWN	CHECKED	DESCRIPTION
D	26/03/2005	SE	SE	TIMBER ROOF STRUCTURE ALTERED TO RECEIVE OCULUS

CLIENT: Wentworth Castle and Stainborough Park Project	SCALE: 1: 50, 1:20 @ A1	DATE: 23/03/05	
PROJECT: Wentworth Castle and Stainborough Park Major Project	DRAWN: SE	CHECKED: AJD	
DRAWING TITLE: The Temple - Rotunda Proposed Domed Roof Structure	JOB NUMBER: 230444	DRAWING NO.: 20 - 006	REVISION: -

PURCELL MILLER TRITTON