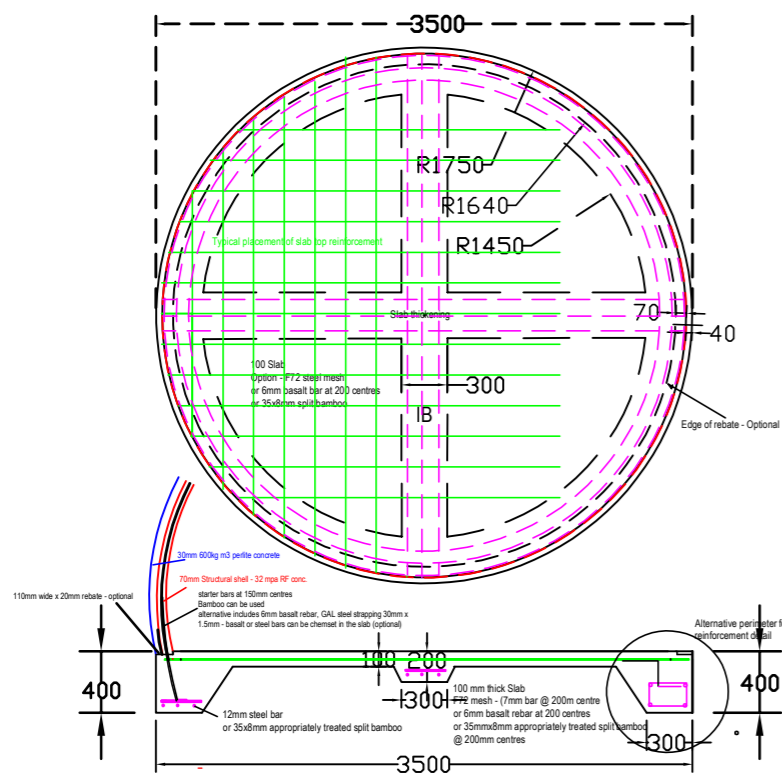
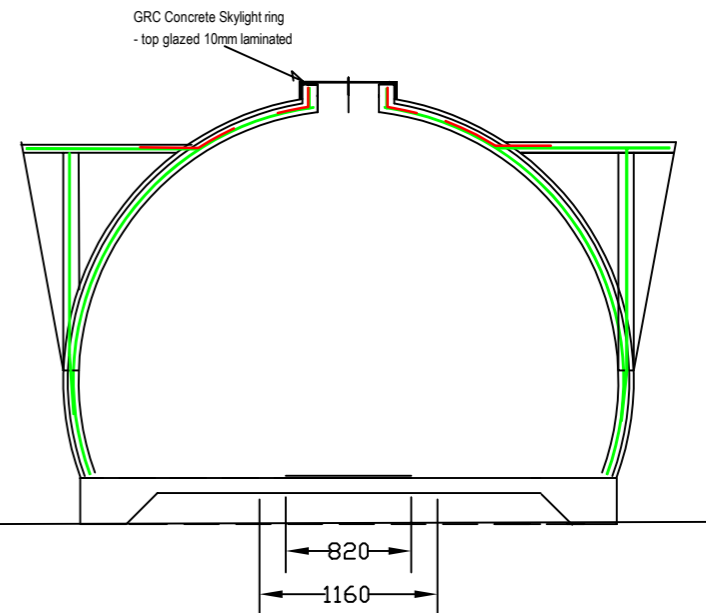
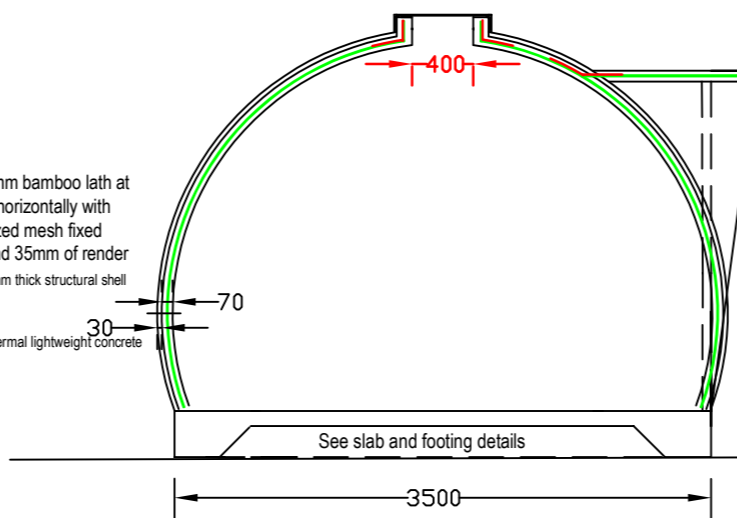


SLAB - SEE FOOTING AND SLAB DETAIL



Comprising nominal 35mmx8mm bamboo lath at 150mm centres vertically and horizontally with three layers of 10mm Galvanized mesh fixed tightly to the bamboo frame and 35mm of render applied to each side.

70mm thick structural shell
30mm thick thermal lightweight concrete



3.5m diameter Bamboo, Mesh and Concrete Render Dome Shell Elevation, Section and Plan - as Built Temple Byron Project

Generic Details:
NOT FOR CONSTRUCTION ON ANY PARTICULAR SITE

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References

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Drawn	COB	
Scale:	Name	Signature
		Date

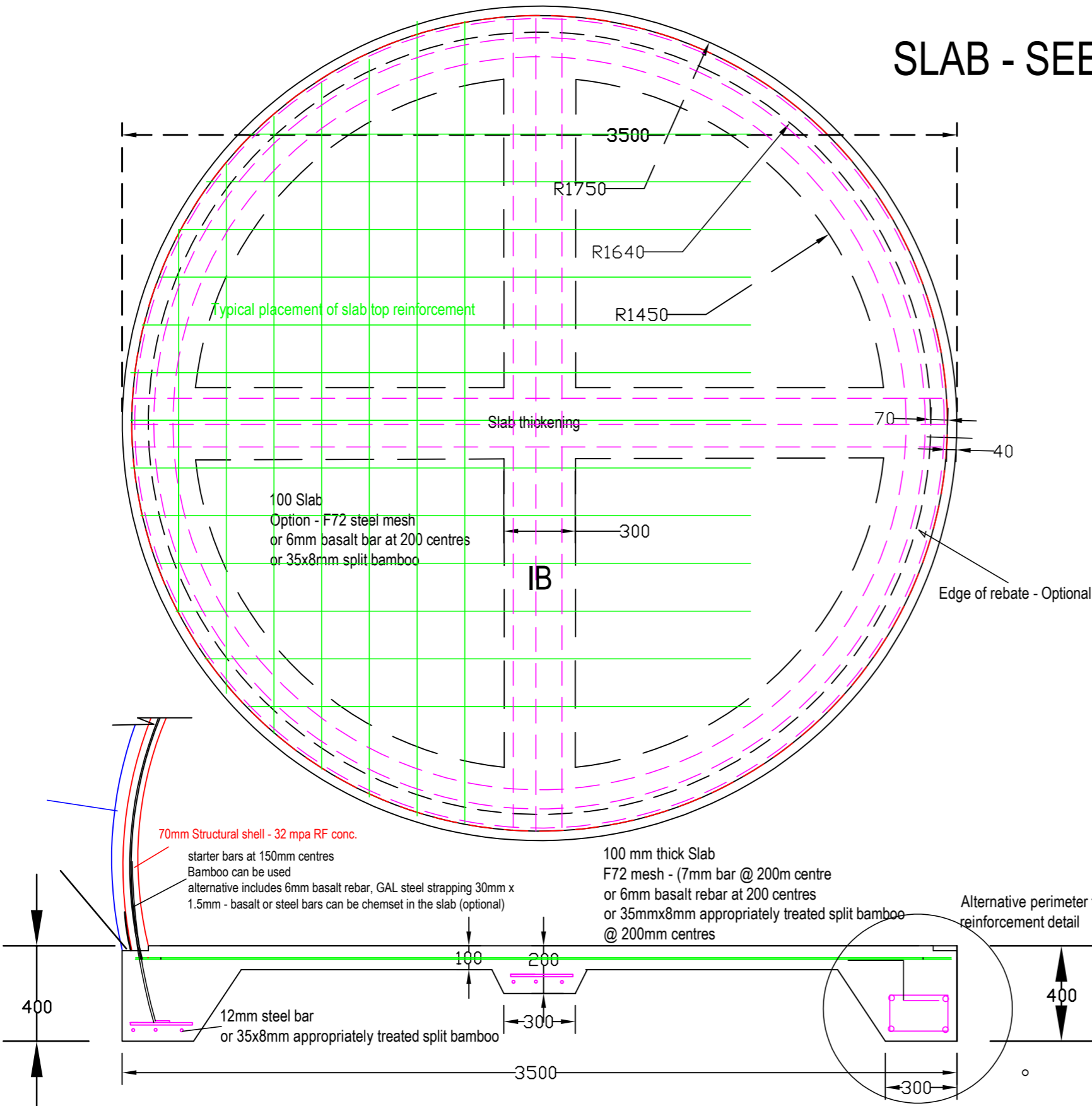
3.5M Bamboo Reinforced Dome
Dimensions.
PLAN ELEVATION SECTION

Sheet bf

A3-Scale 1:50
DRG. No.
BD3.5-1
20/08/2024

REV.							
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SLAB - SEE FOOTING AND SLAB DETAIL



Comprising nominal 35mmx8mm bamboo lath at 150mm centres vertically and horizontally with three layers of 10mm Galvanized mesh fixed tightly to the bamboo frame and 35mm of render applied to each side. 70mm thick structural shell

NOTE:
 Disclaimer
 The use of bamboo for concrete reinforcing is contravercial. We have included structural research references in the manual that demonstrate how it can be effective however, it relays on a strict procedure of preparation of the bamboo. Our preferred approach is to utilise the bamboo for the purpose of creating/fabricating the dome shape. The effective, long term reinforcement of the concrete is done with the three layers of galvanized mesh in the same way that ferro cement boats are constructed. That means if the bamboo does disintegrate for any reason it will not effect the integrity of the structure.

This exact design shown here has been built and remains in perfect condition after 10 years. Several other domes up to 7.0m in diameter have been built at Mentigi Bay, Lombok, Indonesia that survived (without a crack) a 7.1 earthquake in 2018

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References			
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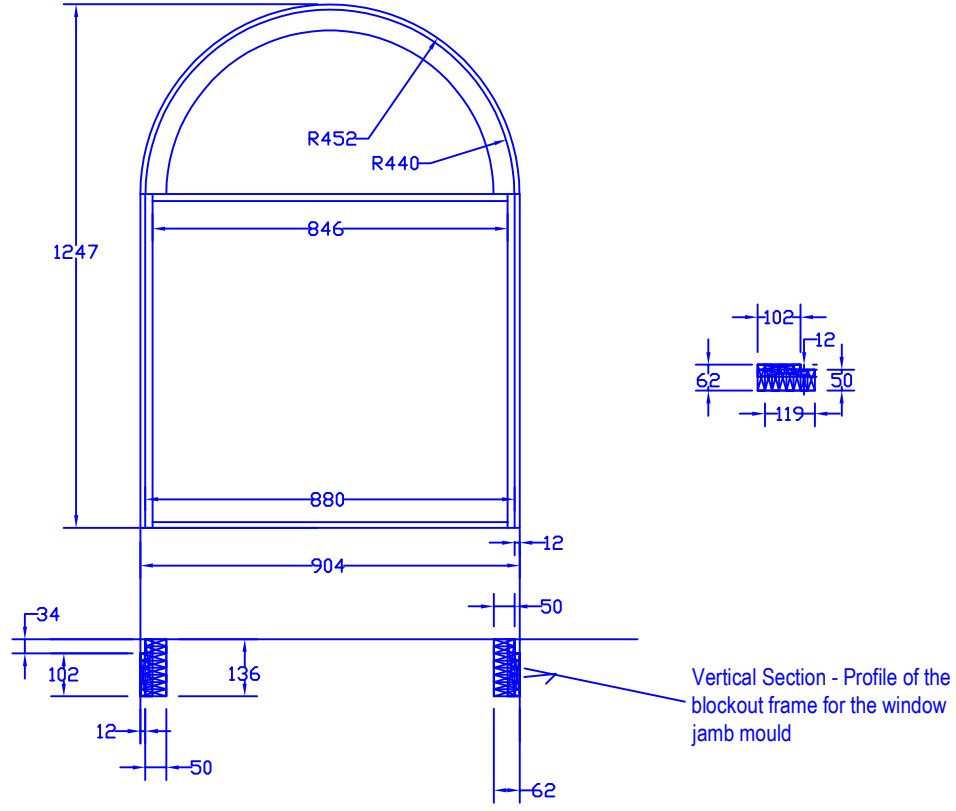
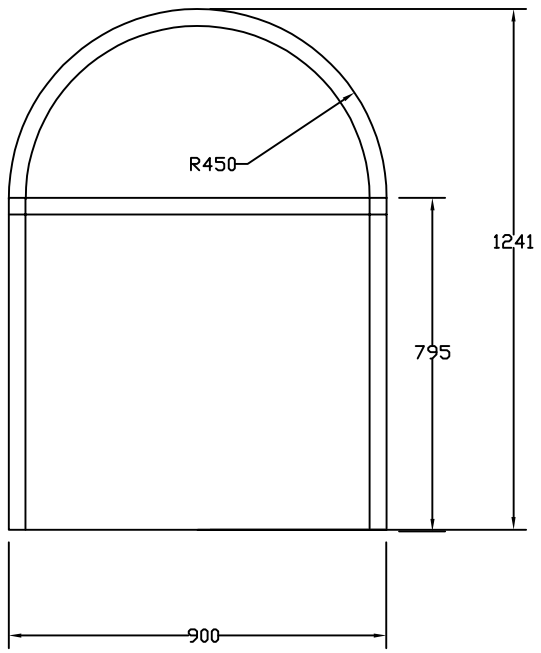
PLAN & SECTION DETAIL:
 Slab and Footings

Sheet - of -
A3 -Scale 1:20
DRG. No. dwg. BD3.5-2
20/08/2024
REV.

Manufactured window and jamb former used in the Byron Bay Bamboo dome

Size: 1241h x 900w
 Top Glazing 6.38 Clear Laminate
 Blades 6mm clear float Louvre Blades, polished edge, 152 wide
 Hardware: 152mm Altair

Window jamb former for the window frame opposite with a 152mm wide aluminum frame



Vertical Section - Profile of the blockout frame for the window jamb mould

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References			
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1241h x 900w G James Aluminium Window Rebate Former

Sheet	-	of	
A3 -Scale 1:25			
DRG. No.			
BD3.5-3			
REV.			

