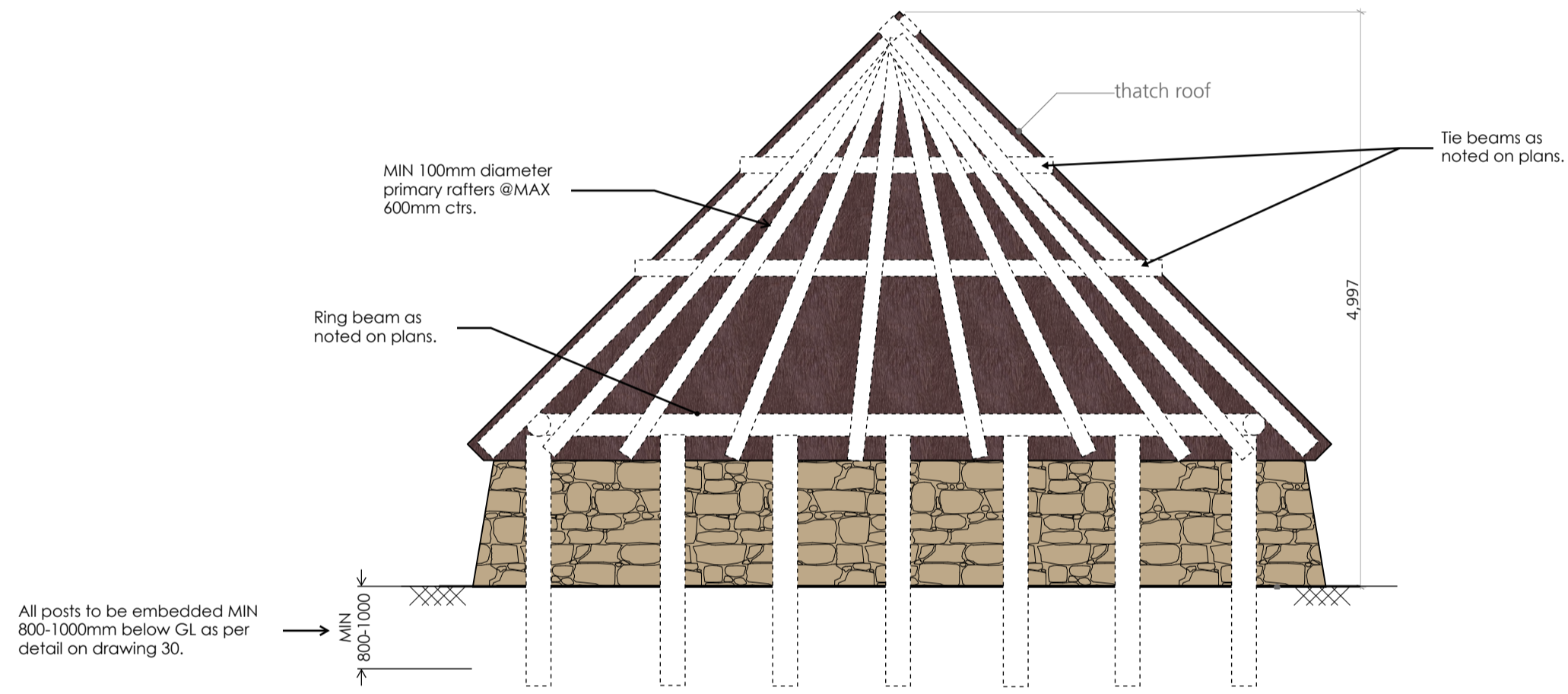
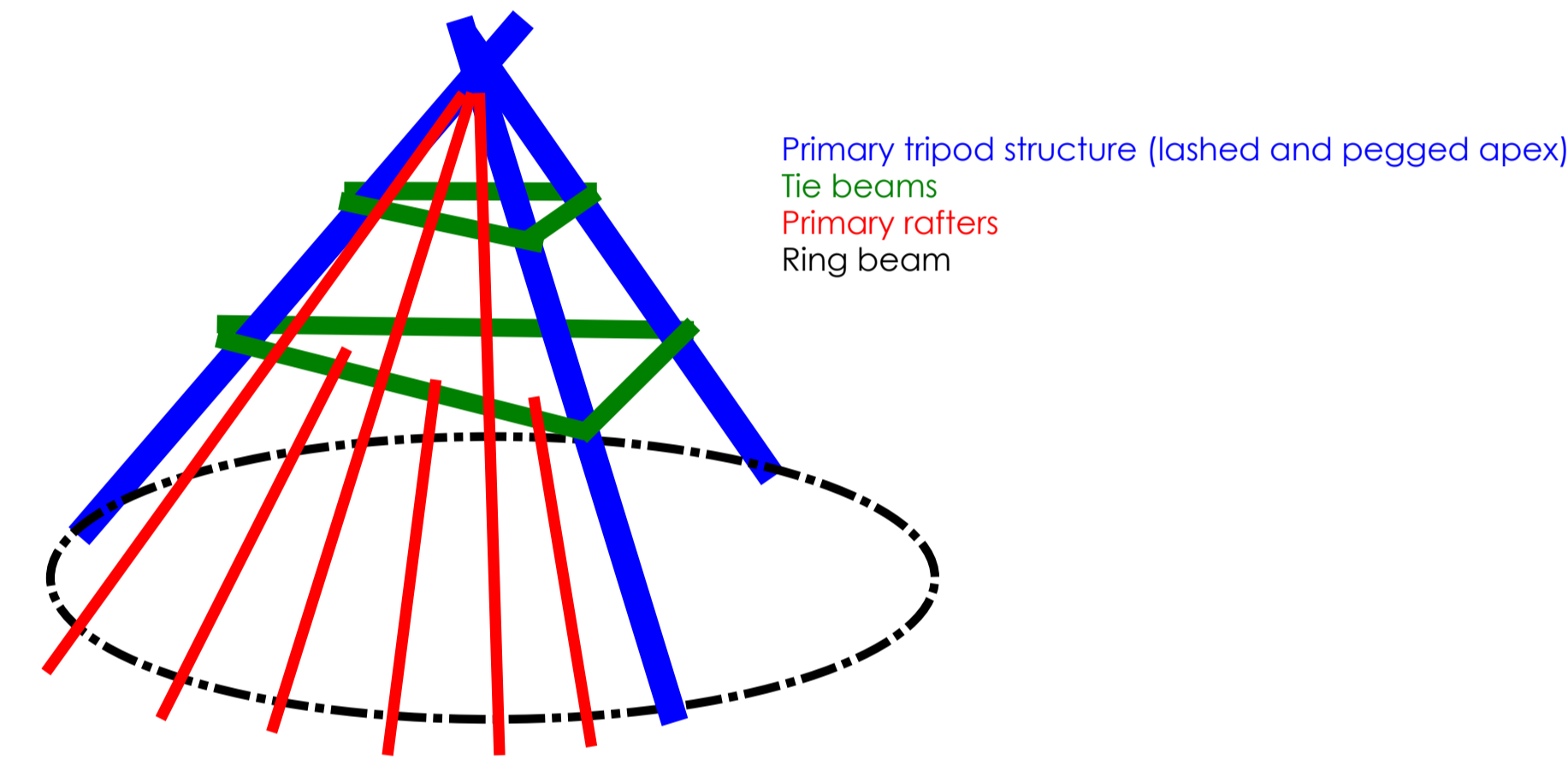


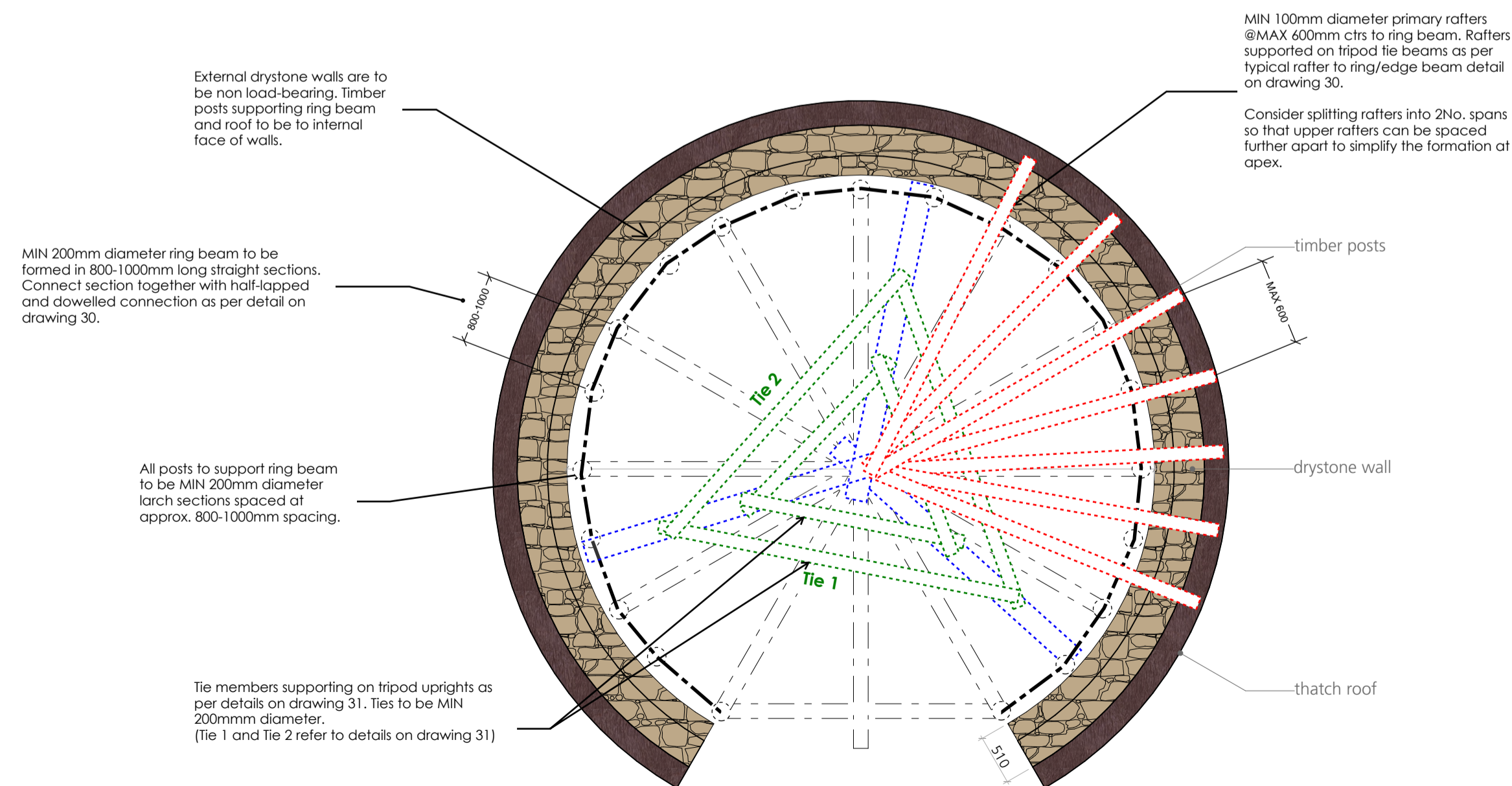
All posts to be embedded MIN 800-1000mm below GL as per detail on drawing 30.



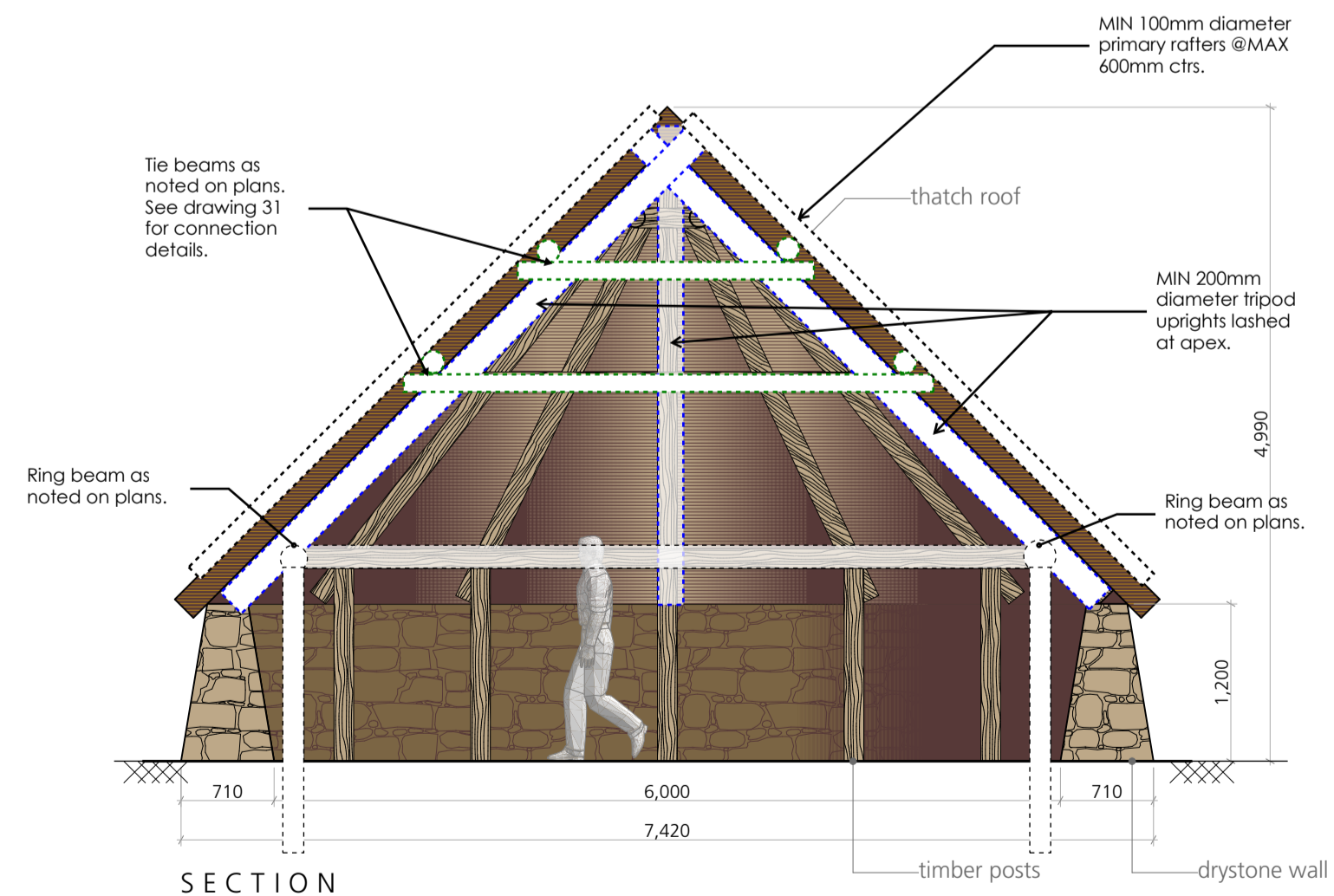
All posts to be embedded MIN 800-1000mm below GL as per detail on drawing 30.



Indicative 3D View



PLAN



SECTION

All dimensions in mm

Ground Conditions:
From SI report, ground conditions to the Iron Village area of site were found consist of a top layer of made ground (varying depth) sitting over loose brown gravelly fine to coarse SAND. Timber posts should bypass made ground and bear onto suitable bearing material. Assumed SABP = 50-100kN/m²


All timber members assumed to be locally sourced larch circular sections with MIN strength grade C16. All sections to be debarked and visually graded. DNA to be informed if alternative species and/or section size of timber is adopted in order to check suitability.

Primary structural tripod used to form and support roof. Assume tripod comprises 3No. MIN 200mm diameter sections with lashed connection to apex. Allow for addition of dowels to strengthen connection. Bottom end of tripod members to be supported onto ring beam as per Heavy Duty rafter to beam detail on drawing 31.

Adopt tie beams between tripod members to tie tripod together and to provide a length of bearing to support primary roof rafters. Fix ties to outer face of tripod with lashing and dowels as per details on drawing 31. Fix rafters to ties as per typical rafter to ring/edge beam detail on drawing 30.

Thatching:
Thatching to be installed on site by a suitably experienced Thatcher. Fixings, thicknesses and layout are subject to their discretion.

Only primary structural elements have been noted on drawings for clarity. For all thatched roofs, small diameter timbers (approx. 40mm) will span between all primary rafters at regular ctrs as determined by the Thatcher. These timbers will act as ladders to provide access for thatching installation and will also serve as the members to which thatching is lashed.

	
Structural & Civil Engineers	
Job Title: Scottish Crannog Centre	
Drawing No. 21.1573-15 (Rev D) CONSTRUCTION	
Title: Multi-purpose 1 Demonstration Structure	
Initials: LA	Date AUG' 22

