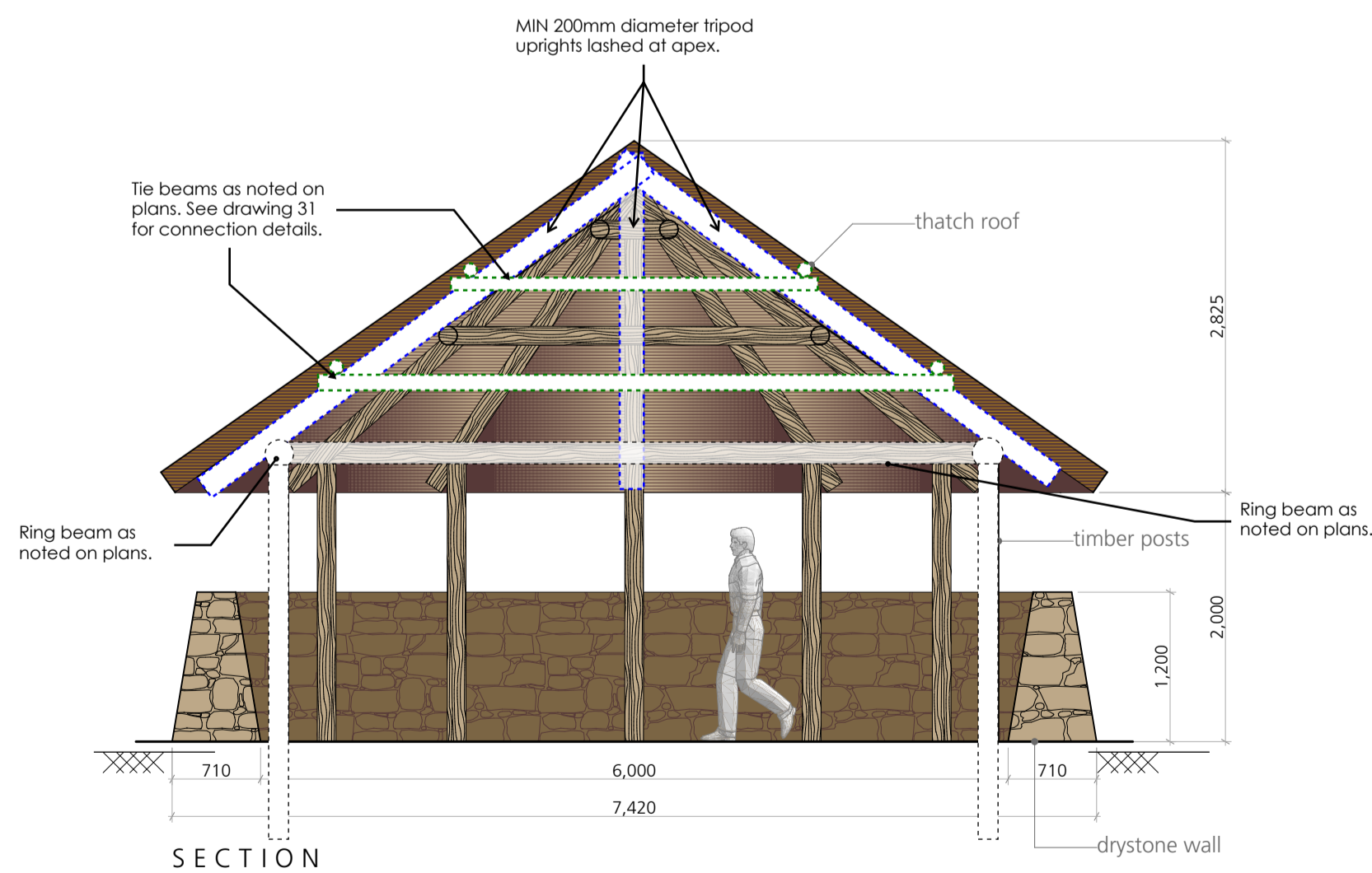
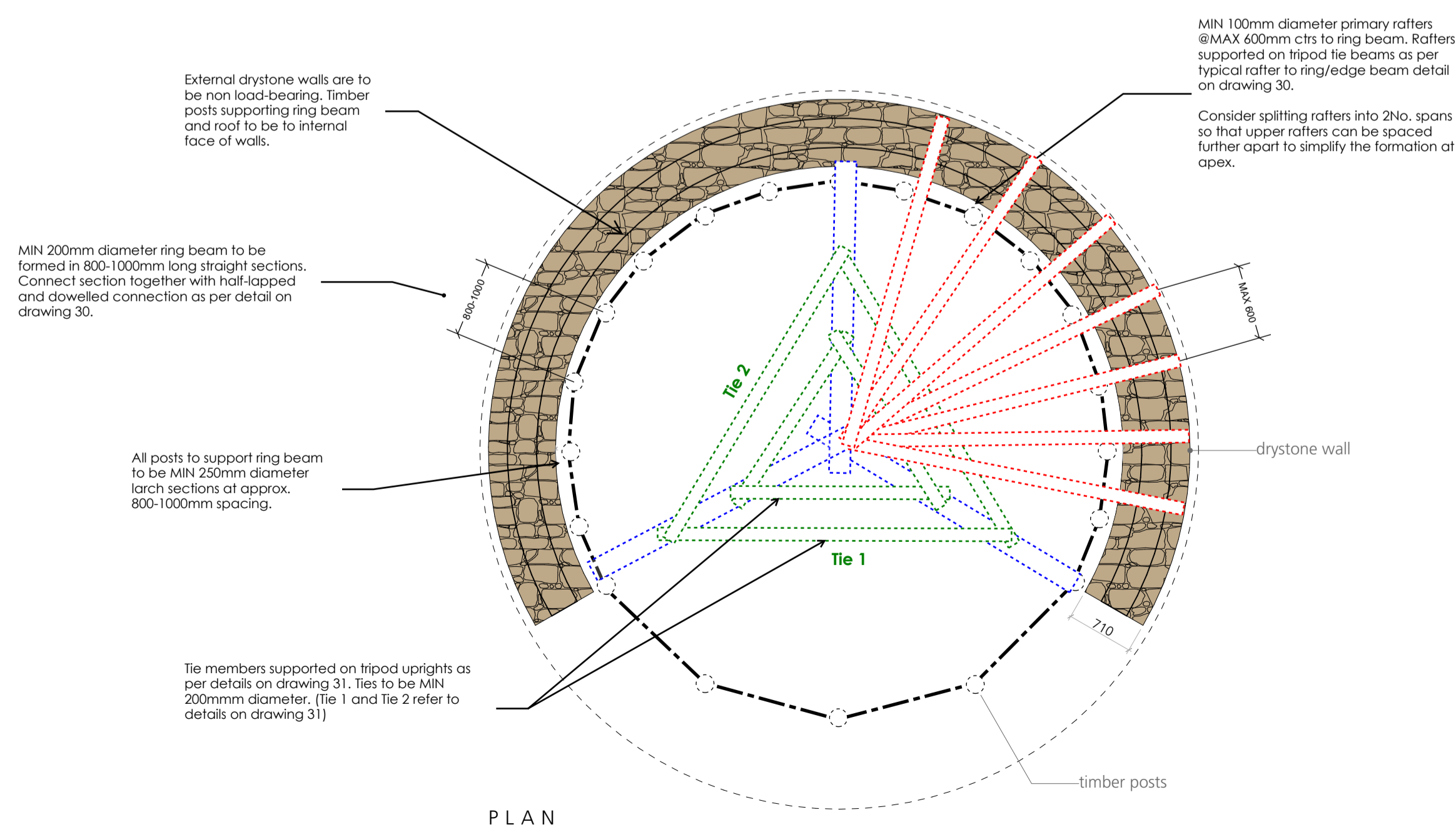


Indicative 3D View



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 SABB = 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. Tie 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.

david nario associates



Structural & Civil Engineers

Job Title:
Scottish Crannog Centre

Drawing No.
21.1573-16 (Rev D)
CONSTRUCTION

Title:
Multi-purpose 2 Demonstration
Structure

Initials:
LA

Date
AUG' 22

0m 2.5m

