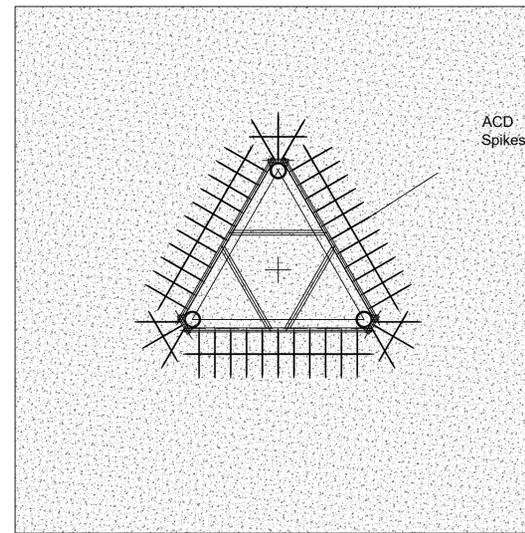
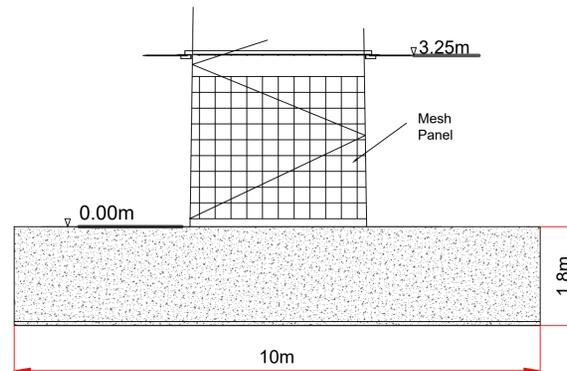


PLAN
Scale 1:250



MAST BASE & FOUNDATION DETAILS
Scale 1:50

NOTES:

- The tower is triangular lattice construction with circular hollow sections throughout.
- Wind loading and design in accordance with Eurocode Standards (NA ROI).
- Booms will be in compliance with IEC 61400-12-1 (2017) for wind deficit of 99.0% for Primary Booms.
- Fundamental Basic Wind Velocity; V_b , map of 25m/sec and design life of 35 years.
- Site altitude: 200m above sea level.
- Tower usage; Onshore Meteorological
- Reliability Class 1
- Terrain characteristics; Country
- The Tower is designed for Radial Ice Thickness of 55mm in still air condition and 5mm in conjunction with wind.
- The tower can be equipped with external face mounted un-caged ladder or climbing step bolts mounted on one of the legs.
- If climbing step bolts are required from above the anti climbing device, then a short external leg mounted access base ladder can be supplied with lockable cover plate.
- Tower could be fitted with adequate Anti Climbing Device (ACD) at 3.25m level.
- Mesh panels can be fitted on 3 faces on bottom module of the tower.
- All steelworks shall be supplied in accordance with the current European Standards EN 10025-2:2004 and EN 10210-1:2006 of grades S275 and S355.
- Fabrication complies with the CE requirements to EXC2 level and all certificates with CE marking will be provided.
- All connections for bracing members shall be of bolted type of grade 8.8 or 10.9 complete with nuts and spring washers.
- All steelworks shall be hot dip galvanised to European Standard EN ISO 1461 with minimum average coating of 85 microns.
- Lightning Finial would be fitted to tower top and each leg of the tower should be connected to adequate earth system with copper tapes.
- The tower can be fitted with adequate Latchways fall arrest system on the ladder or on the climbing leg if step bolts are requested.

Rev	Date	Description	By	Chkd.
A	09.02.23	PLANNING ISSUE	EB	MN

Client:
CLOGHERCOR WIND FARM LTD.

Project:
CLOGHERCOR WIND FARM

Title:
MET MAST DETAILS

Scale @ A1: **As Shown**

Prepared by: **E. Beggs** Checked by: **M. Nolan** Date: **November 22**

Project Director: **S. Tinnelly**

Drawing Status: **Planning**

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Drawing No.: **10798-2031** Revision: **A**