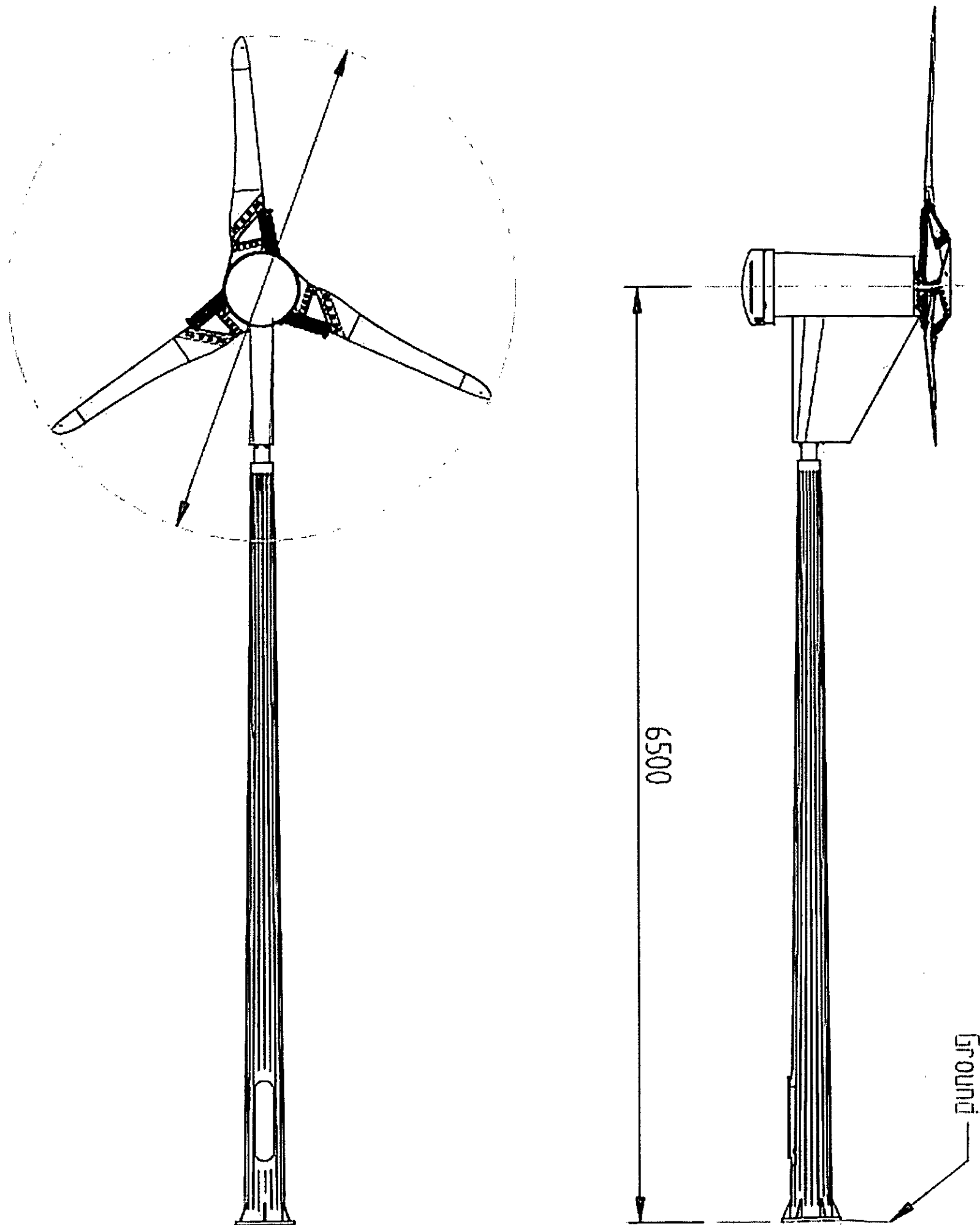


Proven 7 Wind Turbine



PROVEN 7 TECHNICAL SPECIFICATION

ROTOR

TYPE: Downwind, 360 degrees free yawing
SPEED CONTROL: Self-regulating
BLADES: 3 blades, passive coning and pitch control
ROTOR DIAMETER: 3.5m
RATED SPEED: 300 rpm @ 12m/s
ROTOR THRUST: 5kN

GENERATOR

TYPE: Brushless permanent magnet, direct drive
OUTPUT: Grid connect 300V, battery charging 24/48/120V,
direct heating 240V switch DC

TOWERS

TYPE: Self-supporting hinged monopole
HUB HEIGHT: 6.5m or 11m

PAD FOUNDATIONS

2.50m x 2.50m x 1.00m (11m tower)
2.20m x 2.20m x 1.20m (6.5m tower)

WEIGHTS

TURBINE HEAD: 190kg
TOWER: 241kg (6.5m)
TOWER: 445kg (11m)

SOUND EMISSION

Ongoing testing - data not yet available.

PERFORMANCE

CUT-IN WIND SPEED: 2.5m/s
MAX WIND SPEED (survival): 70m/s
ESTIMATED ANNUAL YIELD: 3,200 - 6,400kWh

BUILD MATERIALS AND COLOURS

FRAME: Galvanised steel, grey (not visible)
BLADES: Glass thermoplastic composite, black or white
COVERS: Plastic, black or white
TOWERS: Galvanised steel, grey

PLANNING

CRABTREE ARENA
PROPOSED RESIDENCE

25 Queens Square Business Park
Huddersfield Road
Holmfirth
West Yorkshire HD9 6QZ

DRAWING No
H150/114/

SCALE
@A3

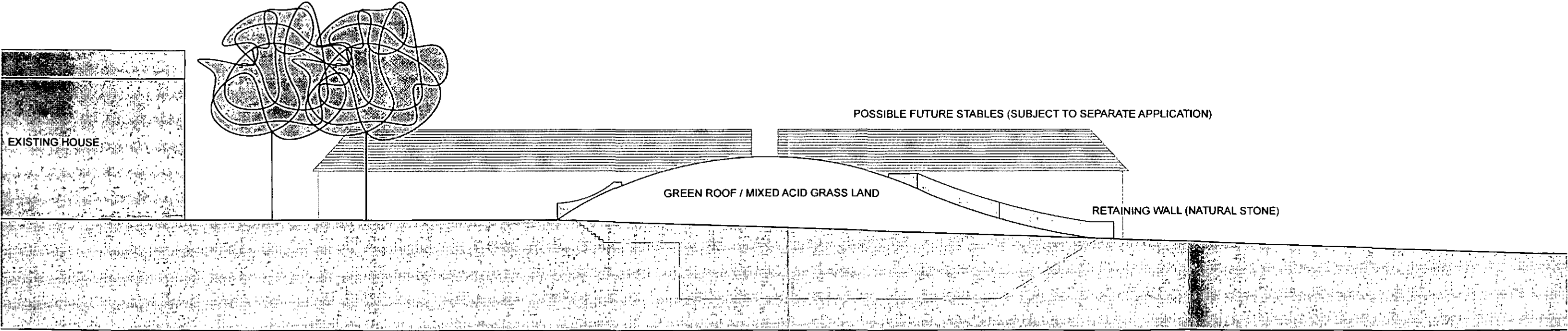
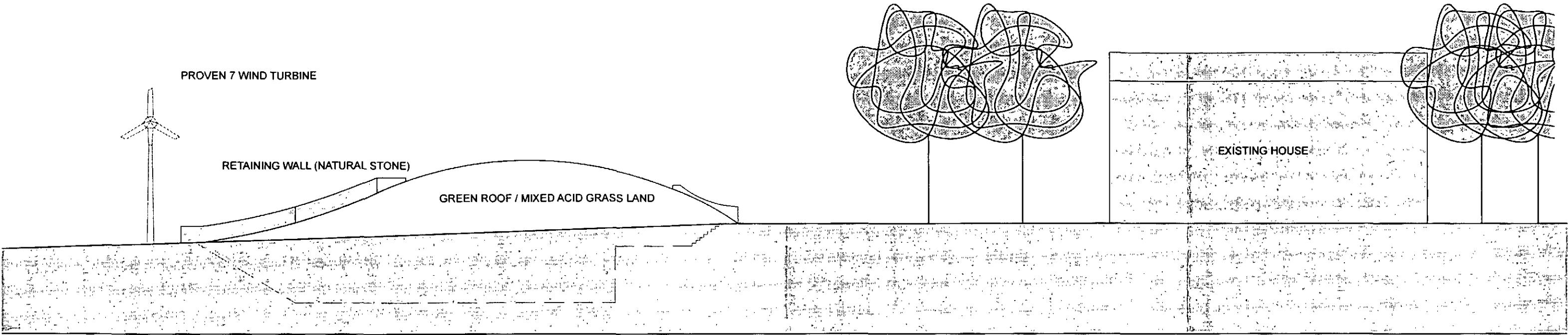
DATE
Oct 2010

DRAWN
DPR

Tel 01484 303 800
Fax 01484 684 133

J.J.
J + J BOLCHOVER
ARCHITECTS

Side Elevations - Scale 1:200



PLANNING

CRABTREE ARENA
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DRAWING No H150/115
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