



**Bill of materials:**


- ① Octagonal Hopper With Spring agitator fuel feed system
- ② Herz BioFire wood chip/pellet boiler
- ③ Removable ash bins
- ④ ID fan/Cyclone grit arrestor
- ⑤ Chimney riser
- ⑥ Buffer tank

**Supporting documentation:**

- RE Flue design guide
- RE buffer tank specification sheet
- RE buffer tank control description and sizing guide
- Boiler data sheets
- Cyclone grit arrestor data sheet
- Wiring diagrams
- RE Hydraulic schematics
- RE design details
- RE Chip fuel store design guide
- RE Pellet hopper design guide

Plinths are not required for the boilers or cyclone, provided there is adequate protection against flooding

Rural Energy provides this drawing for the purposes of locating the heating system and ancillary equipment, but takes no responsibility for the design of the fuel store or the plant room in any respect

 Clearance for maintenance

Drawing Name

**EXAMPLE LAYOUT**  
**Biomass Boiler.**  
Chip & Pellets, spring agitator, Octagonal hopper (above Grd) Vertical Auger

Boilers

Herz BioFire 600kW/800kW

Drawing Number

RE\_037-600-800.V1

Scale @ A1

nts

Designed by

PM

Date

29.03.12

**Plan View**

**Sectional View**

Chip/Pellet Filler Trough

Flat, level concrete slab  
beneath Filler trough and Silo  
(by others)

See Buffer Spec Sheet  
for details

Minimum clear access  
W 1800 x 2225

Min 150mm thick concrete base  
under vertical auger (by others)

Flat, level concrete slab  
beneath Filler trough and Silo  
(by others)