NATURAL ROOF SLATING – GENERAL DESCRIPTION

Roof slating to be Burlington blue/grey slates (which would historically have been called Lancashire blue/grey slates) given the proximity of the site to the quarry it is highly likely that the original slates to the existing building would have been the same.

The slates will be laid in diminishing courses generally to match the existing slating.

Technical Specification

H62 NATURAL SLATING.

150 Roof slating to The Old Mill, Stoneyhurst College, Main Mill Building.

- **Base:**
  - Pitch: 30°.
- **Underlay:** To CA’s preferred specification.
  - Lay as clause 240 directly over rafters.
  - Minimum horizontal lap: As per manufacturer’s recommendation.
- **Counterbattens:** as clause 245, 50 x 25mm
  - Fixing: as clause 250, using zinc coated (in accordance with BS EN 10230-1) round plain shank nails of not less than 3.35mm shank diameter and length determined according to the exposure of the site.
- **Battens:** as clause 245, size 50 x 25mm
  - Fixing: as clause 265, using zinc coated (in accordance with BS EN 10230-1) round plain shank nails of not less than 3.35mm shank diameter and length determined according to the exposure of the site.
- **Slates:** To BS EN 12326.
  - Supplier and reference: Burlington Slate Limited, Cavendish House, Kirkby-in-Furness, Cumbria, LA17 7UN, 01229 889661.
  - Type: Blue/grey.
  - Grade: Best.
  - Sizes: Random lengths from 559mm down to 254mm and random widths of never less than half the length, for laying in gradually diminishing courses.
  - Fixing: as clause 275.
  - Minimum head lap: 98mm.
  - Minimum side lap: Varies with slate length. As per BS 5534:2014, 5.5.4.3.

- **Other Requirements:**

151 Roof slating to The Old Mill, Stoneyhurst College, Annexe.

- **Base:**
  - Pitch: 23°.
- **Underlay:** To CA’s preferred specification.
  - Lay as clause 240 directly over rafters.
  - Minimum horizontal lap: As per manufacturers recommendations.
- **Counterbattens:** as clause 245, 50 x 25mm.
  - Fixing: as clause 250, using zinc coated (in accordance with BS EN 10230-1) round plain shank nails of not less than 3.35mm shank diameter and length determined according to the exposure of the site.
- **Battens:** as clause 245, size 50 x 25mm.
  - Fixing: as clause 265, using zinc coated (in accordance with BS EN 10230-1) round plain shank nails of not less than 3.35mm shank diameter and length determined according to the exposure of the site.
- **Slates:** To BS EN 12326.
  - Supplier and reference: Burlington Slate Limited, Cavendish House, Kirkby-in-Furness, Cumbria, LA17 7UN, 01229 889661.
  - Type: Blue grey.
  - Grade: Best.
Sizes: 508mm long x random widths of never less 305mm.
Fixing: as clause 275.
Minimum head lap: 125mm.
Minimum side lap: 108mm.

• Other Requirements:

SLATING GENERALLY

210 BASIC WORKMANSHIP: Keep slates clean and dry until laid. Set out to give true lines and regular appearance, fitting neatly at all edges, junctions and features. Fix slate roofing to make the whole sound and weathertight at the earliest opportunity. Repair any defects as quickly as practicable to minimise damage and nuisance. Keep gutters and pipes free of debris and clean out at completion.

225 SUITABILITY OF STRUCTURE/BASE: Before commencement of slating, survey supporting structure/base, checking line, level and fixing points. Report immediately to the CA if the structure/base is unsuitable to receive slating.

240 UNDERLAY:
• Handle carefully to prevent tears and punctures, repair any which do occur with adhesive tape and cover with underlay patch tucked under the horizontal lap above.
• Lay parallel to eaves, maintaining consistent tautness to minimise gaps.
• Vertical laps must be not less than 100mm wide coinciding with supports. Fix with galvanised steel, copper or aluminium extra large head felt nails.
• Where pipes and other components penetrate the underlay, use proprietary underlay seals or cut accurately and turn flanges up to give a tight, watersheding fit.
• Ensure that underlay does not obstruct roof ventilation.

245 BATTENS/COUNTERBATTENS:
• Sawn softwood, species type A or B to BS 5534:2014, clause 4.11.1. Permissible characteristics and defects must not exceed the limits given in BS 5534:2014, annex D.
• Preservative treatment: As per BS 5534:2014, clause 4.11.3.

250 COUNTERBATTENS ON RAFTERS:
• Fix to rafters at not more than 300mm centres.

265 BATTEN FIXING:
• In straight horizontal lines, aligned on adjacent areas, with no batten less than 1200mm long.
• Joints to be square cut, butted centrally on supports and must not occur more than once in any group of four battens on any one support.
• Provide an additional batten where an unsupported lap in the underlay occurs between battens.
• Fix each batten to each support, with splay fixings at joints.

275 SLATE FIXING:
• Lay with an even overall appearance, with slightly open butt joints and tails of slates aligned.
• Use slates of consistent thickness in any one course laid with the thicker end as the tail.
• Use extra wide slates generally at ends of courses to maintain bond and ensure that cut slates are as large as possible. Do not use slates less than 150mm wide.
• Centre fix each slate through countersunk holes 20-25mm from side edges, with two copper clout nails to BS 1202:Part 2, of 3.35mm shank diameter and length to provide adequate withdrawal resistance and not less than 15mm penetration into the batten.
• At sprocketed changes of pitch increase the length of nails as necessary to ensure full penetration.

ROOF SLATING EDGES/JUNCTIONS/FEATURES

Include NBS clauses as necessary.