

Gillespie Yunnie LLP

Tavistock Town Council

Tavistock Museum

Tavistock. Museum - NBS work sections

Tender

04-04-2023

Structural Repairs and refurbishment

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C52 Fungus/ beetle eradication

Clauses

12 Associated work

1. Work shown to be necessary by survey: Existing timber beams, joists, timber grounds, and lintols

15 Drying out of building fabric

1. Drying conditions: Establish as soon as possible.
2. Drying methods: Use temporary heating and extract ventilation to dry out the work areas

26 Fungal attack

1. Dry rot
 - 1.1. Fruiting bodies: Do not disturb. If heat treatment is not employed, spray with fungicide.
 - 1.1.1. Remove carefully and clean affected surfaces.
 - 1.2. Infected material to be removed: Remove carefully all affected material, causing minimum disturbance and damage to adjacent building fabric; dispose of safely at a tip approved by waste regulation authority. Prevent contamination of other parts of the building.
2. Wet rot
 - 2.1. Decayed timber to be removed: Cut out until sound timber is reached.
 - 2.1.1. Disposal of previously treated timber: At a tip approved by a waste regulation authority.

37 Timber preservatives/ Masonry fungicides generally

1. Products: Registered by the Health and Safety Executive (HSE) and listed on the HSE website under non-agricultural pesticides.
2. Application: In accordance with statutory conditions of approval given on product labels and manufacturer's recommendations.

47 Timber preservative treatment

1. Description: FOR DRY AND WET ROT
2. Manufacturer: Contractor's choice
3. Preservative type: Glycol boron formulation
4. Tint: Required
5. Treatment method: Spray

62 Masonry fungicide treatment

1. Manufacturer: Submit proposals
2. Fungicide type: Glycol boron formulation
3. Tint: Required
4. Treatment method: brush or spray applied

70 Guarantee

1. Type: Insured protection. Administered by an independent insurance protection company.
 - 1.1. Guarantee period from completion of installation (minimum): 10 years
2. Documentation: Provide certificates/ guarantees at completion of treatment.

Ω End of Section

G20

Carpentry/ timber-framing/ first fixing

Clauses

2 Timber procurement

1. Timber (including timber for wood-based products): Obtained from well-managed forests/ plantations in accordance with:
 - 1.1. The laws governing forest management in the producer country or countries.
 - 1.2. International agreements such as the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
2. Documentation: Provide either in accordance with chain of custody certification scheme requirements:
 - 2.1. Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied. or
 - 2.2. Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood-based products.

5 Structural softwood

1. Description: FOR STRUCTURAL USE GENERALLY INCLUDING REPLACEMENT JOISTS AND FLOOR BEARERS
2. Grading standard: To the appropriate BS EN 14081-1-compliant standard.
 - 2.1. Grade: GS to BS 4978
3. Strength class to BS EN 338: C24
4. Treatment: Organic solvent impregnation to NBS section Z12 and Wood Protection Association Commodity Specification C8, service life: 40 years

10 Ungraded softwood

1. Description: FOR INTERNAL NONSTRUCTURAL USE
2. Quality of timber: Free from decay, insect attack (except pinhole borers) and with no knots wider than half the width of the section.
3. Surface finish: Sawn
4. Treatment: Organic solvent impregnation to NBS section Z12 and Wood Protection Association Commodity Specification C5, service life: 40 years

30 Selection and use of timber

1. Timber members damaged, crushed or split beyond the limits permitted by their grading: Do not use.

32 Notches, holes and joints in timber

1. Notches and holes: Position in relation to knots or other defects so that the strength of members will not be reduced.
2. Scarf joints, finger joints and splice plates: Do not use without approval.

35 Processing treated timber

1. Cutting and machining: Carry out as much as possible before treatment.
2. Extensively processed timber: Retreat timber sawn lengthways, thickened, planed, ploughed, etc.

3. Surfaces exposed by minor cutting/ drilling: Treat with two flood coats of a solution recommended by main treatment solution manufacturer.

40 Moisture content

1. Moisture content of wood and wood-based products at time of installation: Not more than: Not more than:
 - 1.1. Covered in generally unheated spaces: 24%.
 - 1.2. Covered in generally heated spaces: 20%.
 - 1.3. Internal in continuously heated spaces: 20%.

43 Bolted joints

1. Bolt spacings (minimum): To BS EN 1995-1-1, section 8.5.
2. Holes for bolts: Located accurately and drilled to diameters as close as practical to the nominal bolt diameter and not more than 2 mm larger.
3. Washers: Placed under bolt heads and nuts that would otherwise bear directly on timber. Use spring washers in locations which will be hidden or inaccessible.
4. Bolt tightening: So that washers just bite the surface of the timber. Ensure that at least one complete thread protrudes from the nut.
 - 4.1. Checking: At agreed regular intervals. Tighten as necessary.

50 Additional supports

1. Provision: Position and fix additional studs, noggings and/ or battens to support edges of sheet materials, and wall/ floor/ ceiling-mounted appliances, fixtures, etc. shown on drawings.
2. Material properties: Timber to be of adequate size and have the same treatment as adjacent timber supports.

55 Joists generally

1. Centres: Equal, and not exceeding designed spacing.
2. Bowed joists: Installed with positive camber.
3. End joists: Positioned about 50 mm from masonry walls.

60 Joists on hangers

1. Hangers: Bedded directly on and hard against supporting construction. Do not use packs or bed on mortar.
2. Joists: Cut to leave not more than 6 mm gap at each end. Rebated to lie flush with underside of hangers.
3. Fixing to hangers: A nail in every hole.

65 Joist hangers

1. Description: GENERAL USE
2. Material/ finish: Hot-dip-galvanized steel plate
3. Size: To suit joist, design load and crushing strength of supporting construction.

95 Strutting to floor joists

1. Type: One of the following:
 - 1.1. Herringbone strutting: At least 38 x 38 mm softwood.
 - 1.2. Solid strutting: At least 38 mm thick softwood and at least three quarters of joist depth.
 - 1.3. Proprietary metal strutting:

2. Fixing: Between joists as follows:
 - 2.1. Joist spans of 2.5 to 4.5 m: One row at centre span.
 - 2.2. Joist spans over 4.5 m: Two rows equally spaced.
 - 2.3. Not projecting beyond top and bottom edges of joists.
3. Outer joists: Blocked solidly to perimeter walls.

Ω End of Section



Specification created using NBS Chorus