Visual Standard - The Quality Pathway

Fixing

MORGAN SINDALL CONSTRUCTION

To demonstrate that the structure we are installing a fixing to has been considered and it is fit for purpose, these rules should be adopted:

RULE 1

Fixing Selection

1. Assess competence of designer/supply chain selecting the fixing – Supply Chain to be approved installers of manufacturers products as appropriate

2. Hold Quality Pre-Start meeting with the Supply Chain

3. Assess competence of supply chain installing supervisor and record what training they have undertaken for fixings, all supervisors should be attended a course

4. Establish information required/records needed and complete Inspection and Test Plan (ITP)

5. As necessary establish existing base structure can take load of fixing applied – Preliminary testing of fixing to be undertaken by qualified Construction Fixing Association (CFA) approved testers

6. Subcontractor to provide site fixing board fixing strategy (appended to Quality Plan)

RULE 2

Product Selection

1. Supply Chain to submit technical submittals for safety critical fixings

2. Ensure fixings have been specified by competent designer. Note: Anyone who makes a decision / change on the fixing becomes the designer/specifier

3. Obtain approval from lead designer/structural engineer or appropriate person that technical submittals are acceptable

4. Ensure fixing selected is appropriate to the environment used e.g. External Areas, Swimming Pools, Coastal locations, basements and underground. Specific environments are likely to require specific coating/material for fixings/reactions that can occur between metals

5. Ensure fixing selected has appropriate fire rating where required

6. Maintain records of fixing specification and details of fixings delivered to site

RULE 3

Installation and testing

1. Ensure installers have adequate skills, experience, knowledge and behaviours to install fixings or have adequate supervision, manufacturers specific training required for each fixing type and or relevant toolbox talk to be undertaken and recorded

2. Ensure appropriate tools are used to install fixings as this can impact the installation if an inappropriate tool is used resulting in fixing failure

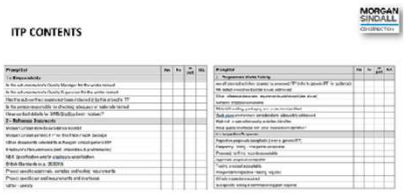
3. Undertake Inspections and testing in accordance with the ITP

4. Maintain records of ITP and Testing

5. Testing to be carried out by qualified CFA approved testers as required by ITP

6. Pull Out Tests as appropriate to be carried out to 1 in 40 fixings to safety critical fixings or to European Technical Assessment requirements

7. Torque tests as appropriate to be carried out to 1 in 40 fixings to safety critical fixings or to European Technical Assessment requirements


ITP CONTENTS

Definition of Safety Critical Fixing

A fixing where the risk of failure causes risk to human life and or significant economic loss

Other Useful Information (Morgan Sindall Use Only)

a. Code of practice for the selection and installation of post-installed anchors in concrete and masonry – BS8539-2012

b. Building Engineering Services Association Supports and Fixings TR50 April 2021

Our Quality vision:

We will get it right first time on all our projects by delivering exceptional customer service

Get it right!