

ACCREDITATION SCHEME FOR INSPECTION BODIES



Schedule

Singapore Test Services Pte Ltd
249 Jalan Boon Lay
Singapore 619523

Certificate No. : IB-2006-004-B

Issue No. : 15

Date : 13 April 2018

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Inspection Field : Building Construction and Maintenance
(Structural Steelwork Inspection)

Type A Inspection Body

Items, Material to be inspected	Specific Type of inspection	Standards / Code or Specific Inspection Method
1. Building Structural Steelwork Inspection Material Carbon Steel, Stainless Steel	Scope of inspection as per SAC-IB Technical Note, SS-01 Table 1 (Items 1-16) and Table 2 (Items 1-10)	AWS D1.1: 2015 BS EN 1011-1: 2009 BS EN 1011-2: 2001 BS EN 1011-3: 2000 BS EN 287-1: 2004 BS 5950-1: 2000 BS 5950-2: 2001 BS 5950-5: 1998 BS 5950-6: 1995 BS 5950-7: 1992 BS 5950-8: 2003 BS EN 970: 1997 BS EN ISO 15609-1: 2004 BS EN ISO 15610: 2003 BS EN ISO 15611: 2003 BS EN ISO 15612: 2004 BS EN ISO 15613: 2004 BS EN ISO 15614-1: 2004 + A2:2012 BS EN ISO 9606-1: 2013

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Items, Material to be inspected	Specific Type of inspection	Standards / Code or Specific Inspection Method
2. Coating Inspection a. Painting Inspection b. Galvanising inspection		BS EN ISO 12944-1:1998 ISO 12944-2:1998 ISO 12944-3:1998 BS EN ISO 12944-4:1998 ISO 12944-5:2007 ISO 12944-6:1998 ISO 12944-7:1998 BS EN ISO 12944-8:1998 ISO 8501-1:2007 BS EN ISO 1461:2009

Approved Signatories

Category B

Mr. Mohd Salem Salemi) Table 1 (4-16)
Mr.Sundaram Baskar) Table 2 (1 - 10)

Mr. Mahalingam Purushothaman) Table 1 (4-16)
) Table 2 (1, 6 - 10)

Mr. Elangovan A/L Superamaniam) Table 1 (4-16)
) Table 2 (1 and 3)

Note: Table 1 & 2 refers to SAC Technical Note: SS-01 on specific requirement for the accreditation of Inspection Bodies in Structural Steelwork

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Table 1

1.	Review the quality manual.
2.	Pre-inspection meeting and surveillance of fabricator facilities/plants.
3.	Review fabrication and erection procedures.
4.	Review of welding procedures specification, procedure qualification records, welder and welding operator qualification records.
5.	Verify weld joints for inspection and testing. Witness non-destructive testing if required. Review all results for compliance to codes and standard.
6.	Review all documents and records including but not limiting to Dimensions, Procedures and Testing.
7.	Verify all welding procedure and welder qualification records at site.
8.	Review of material test certificates/records, verify or inspect material and witness pre-treatment processes, if any.
9.	Inspect delivered structural members for damage due to handling and transportation.
10.	Perform visual inspection and verify dimensional records.
11.	Inspect the assembly of structural members at erection site prior to welding.
12.	Witness cutting/edge joint preparations, verify joint geometry and inspect fit-up conditions.
13.	Verify that welding processes are carried out in accordance with the approved welding procedures, codes/standards and relevant documents.
14.	Verify the weld joints for site testing. Witness NDT for site testing if required. Review all results for compliance to codes and standards.
15.	Inspect all welds.
16.	Final inspection of all structural members.

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Table 2

1.	Review inspection & test plans.
2.	Witness procedure trail of stud welding process.
3.	Witness/check bolts tightening.
4.	Witness fireproofing mock-up test as well as laboratory tests.
5.	Witness and inspect the application of fireproofing works.
6.	Witness blasting & Painting processes.
7.	Inspect painted product.
8.	Witness galvanizing processes.
9.	Inspect galvanizing works.
10.	Inspect all remaining site painting/galvanizing and witness repairing of all protective treatment works.