

SIA Architectural Detailing and Specifications Course 2013 (SIA ADSC 2013)

Singapore Institute of Architects (SIA)

The Singapore Institute of Architects is a professional organization established in 1963 with the objective to promote the architectural profession and the built environment in Singapore. The Institute is the sole representative for architectural profession in Singapore.

The Institute's Mission is "To champion excellence in architecture and the built environment" and our vision is to see "Singapore as an Architecture Capital".

The management of the affairs of the Institute is the responsibility of an elected Council, comprising 21 members, one of whom is appointed by the Board of Architects, Singapore, as an ex-officio member. There are 6 office bearers, who are responsible collectively for the administration and financial matters of the Institute.

Introduction

Good architectural details not only help to raise the profile of a building but also ensure its proper functioning by providing adequate protection against the elements of weather and fitness for purpose, among others. As part of the efforts to build up the capability and knowledge of the industry, the Architectural Detailing & Specifications Course (ADSC) aims to impart in-depth knowledge on detailing fundamentals and develop skills for project detailing and specifications. It will focus on strategies for effective details, design and construction coordination.

Course Objectives

The objectives of this course are:

- Raise the general level of such knowledge among the profession
- Inculcate a culture of good detailing among the architectural profession

Prerequisite

Applicants for the ADSC course should possess at least 6 months' working experience in the building & construction Industry.

Target Audience

- Architects
- Technical staff
- Aligned professionals in the building & construction industry

This course is open to all who are keen to equip themselves with the understanding and skills necessary for appropriate details and specifications. Limited seats on first-come-first-served basis with completed registration form and payment.

Registration

Class Size: Minimum 11

Organiser reserves the right to cancel or postpone the course due to low enrolments.

Closing Date for Registration: 14 October 2013

All applications and payments must reach us before the closing date. A confirmation e-mail will be sent to you after the closing date.

Award

- Certificate of Attendance (CoA) will be issued to participants who meet 75% attendance requirement.

Course Trainer

MS FATIMAH AKHTAR

Educated and trained in the National University of Singapore, registered architect with the Board of Architects, Singapore, LEED AP. She has more than fifteen years' experience living and working in several countries, i.e. Singapore, Hong Kong, Italy, Middle East and Japan. Having worked for top firms like Nikken Sekkei and Fosters gave an excellent technical grounding as well as experience in application of new technologies for building assemblies. Her portfolio consists of large scale mixed used developments, hospitality, healthcare and process architecture. Currently, she is an external consultant providing specialised architectural skills like healthcare design to major architectural firms as far away as Australia. Her current projects include productivity studies for construction consortiums, research projects on building technologies and strategic planning studies prior to developmental studies.

For more information, please contact SIA (Ms Jacey Tay):

Tel: (65) 6226 2668

Fax: (65) 6226 2663

Email: bae@sia.org.sg

Office Address: 79B Neil Road, Singapore 088904

Organised by:



CPD PROGRAMME: 2013/094/MS/JT

Course Outline

LESSON	DESCRIPTION
LESSON 1 OVERVIEW	Road map to Detailing and Specifications
	Water Ingress
	Energy Conservation
	Multi Nodal Approach: Air, Water, Sound, Fire , Heat
	Accommodating Movement
	Considerations : Coordination, Health & Safety , Life Cycle and Constructability
	Early Decisions
	Minimum Documentation
LESSON 2 WATERPROOFING	Below Ground Waterproofing
	Ground Slab Waterproofing
	External Wall - Waterproof or Paint
	Roof Waterproof
	Waterproofing – Minimum Documentation and Composite Details
LESSON 3 EXTERNAL COMPONENTS	Curtain, Load Bearing and Infill Systems
	Documentation Method – Specialised vs General Trade s
	Performance Criteria common to all External Vertical Systems
	Design Intent Drawings – Minimum Documentation Required
	Brief discussion of various systems
LESSON 4 ROOF SYSTEMS	Specifications – The Salient Sections
	Roof Basic Components
	Main Principles and Strategies to Ensure Roof Basic Functions
	Brief Discussion of Commonly Used Components
	Brief Discussion of Commonly Used Systems – Concrete , Metal Deck , Metal Roofs , Pitch Roof
	Common Detailing Considerations – Health , Safety and Maintenance
LESSON 5 INTERNAL COMPONENTS	Skylights
	Early Decisions – Fire Compartmentation, Defining Performance Criteria, Basic Concepts to separate wet and dry areas
	Drywall Systems and Detailing
	Internal Waterproofing and Coating Systems
	Block work / CMU / RC Wall Detailing
	Internal Glazing Partition and Detailing
	Openings in Compartment Walls - Fire Stops
	Access Panels – Internal Floors and Walls
LESSON 6 INTERNAL FLOOR & WALL FINISHES	Alteration and Addition – Conversion of Dry to Wet Areas
	Ground Plane - Floor Build Up
	Material – Stones , Terrazzo , Tiles and Granolithic Finish
	Material – Screed and Mortar
	Material – Coats
	Material – Wood Flooring : Solid, Engineered and Laminate
	Raised Floor
	Composite Details – Floor , Wall and Interface

LESSON	DESCRIPTION
LESSON 7 CEILING & STAIRS	Early Decisions – Concept Elements and Systems , Defining Performance Criteria
	Overview of Concept Elements
	Documentation Method – Purpose , Design Intent and Detail Design Drawings
	Ceiling Systems and Material
	Ceiling – Composite Details
	Stairs – Detailing Considerations : Code , Health and Safety and Structural
LESSON 8 DOORS AND WINDOWS	Stairs – Material and Systems
	Stairs – Composite Detail
	Documentation Method for Doors and Windows
	Performance Criteria Common to all Doors and Windows . External vs Internal
LESSON 9 IRONMONGERY & SANITARY APPLIANCES	Doors and Windows – Material and Systems
	Louvres and Blinds - Material and Systems
	Composite Details
LESSON 10 STANDARD DETAILING	Overview - Ironmongery and Sanitary Wares as Solutions
	Documentation method - Ironmongery as part of Windows and Doors Schedule. Discussion regarding proprietary designed systems vs intentionally
	Terminology and Selection Criteria
LESSON 11 EXTERNAL WORKS	Coordination Issues - Information to capture in drawings , schedules and specifications
	Surface Water Drainage
	Access Panels and Hatches – Roofs and External
	Catladders , Catwalks
LESSON 12 JOINERY	Sealants and Adhesives
	Expansion Joints
	Green Elements - Landscape , Greenwall
	Water feature
	Landscape Package – Design and Build Documentation
	External Lighting
	Overview – Ergonomics and Functional Criteria for various purposes - kitchen , wardrobe , shelves
	Materials- Timber , Hardware and Finishes
	Joints and Fasteners
	Case Studies

COURSE SCHEDULE

Course : SIA Basic Architecture Detailing and Specifications Course 2013 (SIA ADSC 2013)

Course Venue : Singapore Institute of Architects, SIA Theatre - Level 1 (79 Neil Road, Singapore 088904)

Lesson	Date	Time
Lesson 01	Monday, 21 Oct 2013	1.30PM - 5.30PM
Lesson 02	Monday, 28 Oct 2013	1.30PM - 5.30PM
Lesson 03	Monday, 04 Nov 2013	1.30PM - 5.30PM
Lesson 04	Monday, 11 Nov 2013	1.30PM - 5.30PM
Lesson 05	Monday, 18 Nov 2013	1.30PM - 5.30PM
Lesson 06	Monday, 25 Nov 2013	1.30PM - 5.30PM
Lesson 07	Monday, 06 Jan 2014	1.30PM - 5.30PM
Lesson 08	Monday, 13 Jan 2014	1.30PM - 5.30PM
Lesson 09	Monday, 20 Jan 2014	1.30PM - 5.30PM
Lesson 10	Monday, 27 Jan 2014	1.30PM - 5.30PM
Lesson 11	Monday, 10 Feb 2014	1.30PM - 5.30PM
Lesson 12	Monday, 17 Feb 2014	1.30PM - 5.30PM

***Participants will be informed of any change/amendment, if any.*

COURSE DETAIL

Course : SIA Basic Architecture Detailing and Specifications Course 2013 (SIA ADSC 2013)
 Period : 21 Oct 2013 – 17 Feb 2014 (Please refer to Lesson Schedule)
 Time : 1.30PM - 5.30PM per Lesson
 Course Venue : Singapore Institute of Architects, SIA Theatre - Level 1 (79 Neil Road, Singapore 088904)
 BOA-SIA CPD : 6 CPD points (CPD points will only be given upon attaining 75% attendance)
 Closing date : 14 October 2013

Please fax / email the completed registration form to Ms Jacey Tay:

Tel: (65) 6226 2668

Fax: (65) 6226 2663

Email: bae@sia.org.sg

And follow up with Cheque to Singapore Institute of Architects.

Cheque payment only

Bank/Chq # : _____ Amt S\$: _____

Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

Mail to SIA address:

Singapore Institute of Architects

79B Neil Road, Singapore 088904

Please indicate your name, company and course date/title on the back of the cheque.

COURSE FEE

Pls tick one

* Full Fee (inclusive of 7% GST)

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SIA Member (SIA M) - \$ 1,450.00

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Non Member (NM) - \$ 1,860.00

NOTE:

- Full course payment has to be made upon registration.

Applicant's Detail

Name: _____ NRIC No / FIN No: _____
(as in NRIC, Passport / please underline Surname)

Nationality: _____ Race: _____
(Singaporean / Singapore Permanent Resident or Others - pls specify country)

Date of Birth: ____ / ____ / ____ (DD/MM/YYYY) Gender: M / F

Highest Qualification: _____ Year of Experience: _____ (Year) _____ (Month)

Organization: _____

Office Address: _____ S ()
(Pls indicate Home Address only if Office Address is not applicable)

Please mail Receipt to: _____ S ()
(Pls indicate if different from the above address)

Email: _____

Tel: _____ Fax: _____ HP: _____

**All the above fields are mandatory.*

Complete the below if applicable only :

[] SIA Membership # _____ [] BOA Reg # _____ [] CIJC (Pls specify Institution) _____

[] Non-member

** Applicant will be accepted upon receipt of registration form and payment to SIA, subject to seats availability and registration is confirmed by email after the closing date. SIA reserves the right to make modifications to the terms and conditions without prior notice.*

Cheque payment for this activity **should not be** combined with payment for other SIA events/courses. Fees paid are non-refundable under all circumstances.

The Organiser reserves the right to discontinue any class, to alter course curriculum, to amend the scale of fees and to amend any other information without prior notice.

Refund and replacement is not allowed under all circumstances.