

Roofing Technology, Maintenance and Inspection Course

Program Content

This intensive 4-day training course examines various new and older types of roofing systems in use today. The design and construction of each system is discussed and described in detail with each component being identified as to its characteristics and function. Participants will perform hands-on applications of all types of roofing systems, following standard details of construction technical specifications. On completion of membrane applications, participants will perform inspections on each system; carry out cut tests, membrane examinations and proper repair techniques.

Program Elements

- Evolution to Single Ply Membranes
- Roofing Safety
- Roofing Materials: Coal Tar, Asphalt, 4 ply BUR, 2 ply Modified Bitumen, EPDM, PVC, TPO
- Vapour Retarders, Protection Boards, Insulation and Fasteners
- Modified Bitumen - Cold and Hot Processes
- Applications: Inside and Outside Corners
- Sloped Insulation
- Construction of Roof Deck Assemblies (all systems)
 - Deck
 - Gypsum Board
 - Vapour Retarder
 - Insulation
 - Membrane
 - Corner Details, Vents, Drains, Membrane and Metal Flashings
- Leak detection
- Proper repair procedures for all major roof membranes
- This course is generic and non-biased; we use a variety of manufacturer's products.

Who Should Attend

- Architects/Specifier
- Roof Consultants
- Roofing Contractors/Estimators
- Roof Inspectors
- Construction Product Representatives
- Architectural Technologists and Technicians
- Building Owners
- Facilities Managers
- Construction Purchasing Managers and Analysts

Course Tuition and Details

- Four day program tuition: \$300.00 per day; \$1200.00 + 13%.00 HST = \$1,356.00
- Each participant is required to bring their personal protective equipment, safety glasses, safety boots, gloves, coveralls.
- Each person is responsible for their own lunch. There are many restaurants nearby.
- Location: 3275 Orando Drive, Mississauga Ont. Canada, L4V 1C5
- Although the dates are five days, the course will start at noon on Monday and end at noon on Friday. This allows the participants to travel on their working time.



**PVC Deck, Proper
Welding Procedure
for Repairs.**



**Inside & Outside
Corner Detailing,
2 Ply Modified
Bitumen Peel &
Stick application.**



**EPDM Deck,
Working Under
George's Watchful
Eye.**

Instructors

George Wilson, RRO

- Roofing Consultant – in private practice since 2003
- Building Technology Dept. Ontario Hydro - 30 years
- Building Maintenance Department Manager - 8 years
- Building Maintenance Officer - 6 years
- Civil Supervisor - 10 years
- Civil Mechanic - 6 years
- Member R.C.I. (Roof Consultants Institute), Registered Roof Observer (R.R.O.)
- Member CaGBC (Canada GREEN Building Council).
- Industry Member-O.I.R.C.A. (Ontario Industrial Roofing Contractors Association)

Allen Lyte, B.Tech., C.E.T., RRO

- Over 30 years in construction industry
- President of WAP, building envelope consulting company with over 25 years consulting experience
 - o 1996-1999 Fishburn Group (now Pretium)
 - o 1999-2014 years with Halsall Associates (now WSP)
 - o 2014-present W. Allen Partners (WAP)
- Over 7 years of construction experience in the Parry Sound area
- Bachelor of Architectural Science, specializing in Building Science from Ryerson University
- Level 1 Thermographer
- Member of OACETT (Ontario Association of Engineering Technicians and Technologist) with C.E.T. certification
- Professional Consultant Member of IIBEC, past president and Registered Roof Observer (RRO)
- Member S.W.A. (Sealant and Waterproofing Association)
- Member of the CRCA (Canadian Roofing Contractors Association)

W. Allen Partners Inc.

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