

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

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 and hardhat.
- Each person is responsible for their own lunch. There are many restaurants nearby.
- Location: 52 Bramwin Court, Brampton, Ontario L6T 5G2
- 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 – 8 years in private practice
- 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)

Peter Zahradnik, RSW

- Building Envelope Specialist - 9 years in private practice
- Ontario Hydro Building Maintenance Officer - 8 years
- Ontario Hydro Architectural Dep., Specification & Contracts Officer -12 years
- John C. Parkin Architects - Associate Specifications and Contracts - 8 years
- Private Architectural Firms -14 years
- Member CSC (Construction Specifications Canada), Registered Specification Writer (RSW)
- Member CRCA (Canadian Roofing Contractors Association)
- Member NRCA (National Roofing Contractors Association)
- Member CaGBC (Canada GREEN Building Council)

Building Envelope Technology Inc.

Peter Zahradnik, RSW

(416) 540-2523

E-mail: peter.zahradnik@bellnet.ca

217 Bay Street East, P.O. Box 831
Thornbury, Ontario N0H 2P0

Cindott Inc.

George Wilson, RRO

Mobile: (416) 606-3270

E-mail: gwilson18@cogeco.ca

22 Rosset Valley Court
Georgetown, Ontario L7G 5E1
(905) 873-2245