

# 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)

### Rick Pollard

- Owner of Baron Contracting, installation of cold process roofing, air barriers, and waterproofing – established 1998
- Commercial waterproofing sales - 2 years
- Commercial roofing, air barrier, and waterproofing sales -7 years
- Member R.C.I. (Roof Consultants Institute), industry affiliate
- Member S.W.A. (Sealant and Waterproofing Association)
- Currently pursuing Registered Roof Observer (R.R.O.) certification

#### **Baron Contracting.**

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