Construction Industry

**CTF 100**  
Principles of Sub-Contractor (Trade) Estimating  
**$100**  
TueThur 6-10pm  
Nov 13 & Nov 15

This course provides insider’s insight into the complex world of Sub-Contractor Estimating (a.k.a Trade) for commercial construction. Taken from a generic perspective, this all-important aspect of the design/construction process comes to life with real-world examples and experiences that are easy to understand and universally applicable to all the many disciplines of the sub-contracting industry.

**CTF 101**  
Basic Blueprint Reading  
**$100**  
TueThur 6-10pm  
Nov 27 & Nov 29

This workshop examines the process by which construction documents, a two-dimensional medium, are used to create the three-dimensional reality that is the built environment. This course will include real-world examples and insights into the process by which the written and graphic information contained in the construction documents is interpreted correctly. This includes the processes of: familiarization, referencing, schematic schedules/diagrams, receiving/recording the Construction Documents, organization of the Construction Documents, general disciplines, types of drawings, specifications, purpose of revisions and addenda, symbols and abbreviations, dimensions, interpretation, scaling of drawings, identifying errors and omissions, RFIs (Request for Information), contractual requirements/obligations etc. As proficiency grows, learning to “read between the lines” of a set of design drawings will also be discussed. An online tutorial exercise will provide a summation of the knowledge gained.