

READING PLANS & SPECIFICATIONS

Course will be held:

January 24, 2023 -
February 21, 2023

Every Tuesday,
5:30-8:00 pm

9555 Rockside Rd.,
Suite 300
Valley View, OH 44125

Architectural and Engineering
scales will be provided to
each student along with a
textbook and drawings for
instructional purposes.



Course Objectives

- Identify components of drawings and specs
- Understand common views represented on drawings
- Recognize symbols on drawings
- List drawing types by design and discipline
- Accurately read and interpret drawings
- Describe documents at different phases of design
- Accurately read and interpret specifications
- Interpret drawings in relation to specifications
- Communicate effectively through drawings
- Avoid errors in drawing interpretations
- Learn how to utilize physical/traditional tools and computer tools for document review

**REGISTER
TODAY!**

Member Price \$350

Nonmember Price \$425

BASIC CONSTRUCTION ESTIMATING

Course will be held:

March 7, 2023 –
April 4, 2023

Every Tuesday,
5:30-8:00 pm

9555 Rockside Rd.,
Suite 30
Valley View, OH 44125

Prerequisite: You **MUST** be
able to read blueprints and
specifications.

Attendees must bring scales
and a calculator. A textbook
will be provided.



**REGISTER
TODAY!**

Member Price \$350

Nonmember Price \$425

Course Objectives

- Create a project cost estimate, including all markups.
- Analyze & calculate the cost components of material pricing.
- Analyze & determine the hourly cost of labor including burden.
- Analyze and calculate the ownership and operation costs for a piece of equipment.
- Understand how to calculate building permit, bond, and profit and overhead markups.
- Analyze construction documents by performing a quantity takeoff.
- Identify ways to avoid errors in estimates.
- Define ethics as it relates to estimating.
- Understand the basic terms and tools associated with a construction estimate.
- Become familiar with tools and computer programs used for the estimating process.

Builders Exchange, Inc.

2023 Educational Series

Reading Plans & Specifications

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Basic Construction Estimating

Classes to be held at 9555 Rockside Rd., Cleveland, OH 44125

Cancellation Policy: Cancellations must be made no later than 5 business days prior to the start of either class to receive a full refund.

PLEASE NOTE: ALL STUDENTS MUST COME WITH PENCILS, ERASERS AND CALCULATORS

REGISTRATION FORM

COMPANY NAME _____

FULL ADDRESS _____

CONTACT (if different than attendee): _____ PHONE: _____

PAYMENT TYPES:

- 1) ___ Register and pay with credit card online at <http://home.bxohio.com/calendar/>
- 2) ___ Check (made payable to Builders Exchange, Inc.) Mail registration form and payment to: Builders Exchange, Inc., Attn: John Grandetti, 9555 Rockside Rd., Cleveland, OH 4425. Phone: 216-393-6300, Fax: 216-393-6304

NAME OF ATTENDEES:

1) NAME _____ EMAIL _____ CLASS _____

2) NAME _____ EMAIL _____ CLASS _____

3) NAME _____ EMAIL _____ CLASS _____

4) NAME _____ EMAIL _____ CLASS _____

ALL ATTENDEES MUST BRING PENCILS, ERASERS, NOTEPADS AND CALCULATORS TO CLASS.

ARCHITECTURAL AND ENGINEERING SCALES NEEDED FOR ESTIMATING CLASS.