



Designation: E 2083 – 00

## Standard Classification for Building Construction Field Requirements, and Office Overhead & Profit<sup>1</sup>

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### 1. Scope

1.1 This standard establishes a classification for field requirements, office overhead, and profit for use in construction estimating. This classification is common to all forms of construction, and its components are an integral part of any construction cost estimate. The classification serves as a consistent reference for analysis, evaluation, and monitoring during the feasibility, planning, design, and construction phases of building. Used in conjunction with UNIFORMAT II and other elemental classifications, it also ensures consistency in the economic evaluation of construction work overtime and from project to project. Through consistency in estimating and cost recording it enhances reporting at all stages in construction - from feasibility and planning through the preparation of working documents, construction, maintenance, rehabilitation, and disposal.

1.2 This classification applies to all construction work.

1.3 This classification is not based on permanent physical elements of construction (as defined and classified in E 1557 Standard Classification of Building Elements and Related Sitework - UNIFORMAT II). Rather, the classification items are major, non-permanent, cost components common to all construction work. They perform the same function and provide for similar needs regardless of the design, specification, construction method, or materials used in the physical construction.

### 2. Referenced Documents

#### 2.1 *ASTM Standards:*

E 833 Terminology of Building Economics<sup>2</sup>

E 1557 Standard Classification for Building Elements and Related Sitework - UNIFORMAT II<sup>2</sup>

### 3. Terminology

3.1 *Definitions*— For definitions of terms used in this classification, refer to Terminology E 833.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee E06 on Building Constructions and is the direct responsibility of Subcommittee E06.81 on Building Economics.

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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 04.07.

### 4. Significance and Use

4.1 This classification defines an integral part of any construction estimate and cost record. It classifies the non-permanent portion of construction activity that is essential to allow physical implementation of the required work to take place.

4.2 Used in conjunction with UNIFORMAT II this classification provides for consistent and complete estimating of building construction work. The same considerations of consistent use and commonality to all work has been applied here.

4.3 This classification is sufficiently generic to allow its use in estimating all forms of construction work and through all stages of planning, design, use, and disposal. Additionally, it is appropriate for use in both elemental estimates and trade estimates.

### 5. Basis of Classification

5.1 All parts of the built environment are included.

5.2 *Criteria for the Classification*—The selected classification, what items to include in it, and in which parts of the classification to include them are based on the following criteria:

5.2.1 Applies to any construction type and shall not include physical elements of construction such as those defined in E 1557 and other elemental classifications.

5.2.2 Includes only items of a construction enabling, management, supervision, jurisdictional, financial, legal, liability and client requirement nature necessary to the performance of the construction work.

5.2.3 Includes specifically those items of cost that by common understanding and usage are normally borne by a general contractor or construction manager, and any other items required by terms of contract and normally specified within the general requirements and general conditions of contract.

5.2.4 Includes items with significant influence on cost and a high frequency of occurrence. Categories are defined so as to provide a framework for cost control. The decision as to where among the classification elements to include specific items is to ultimately rely on professional judgement as to where professionals in current practice normally look for such items.

**6. Description of Field Requirements — Individual Classification**

6.1 *Classification of Field Requirements*—Fig. 1 presents the classification of field requirements. It comprises three hierarchical levels. Major Group Classification for Level 1, Group Classification for Level 2, and Individual Classifications for Level 3.

6.2 The following lists show what items are included in the recommended classification at Level 3. Note that the listings of inclusions are not intended to be an exhaustive listing. Rather, they provide a general outline of what to expect in this individual element consistent with the selection criteria outlined in 5.2.

6.3 *Field Requirements (X 10)*

6.3.1 *Bonds, Permits, Fees, and Insurances (X 10005)*

Includes:

- 6.3.1.1 building permit,
- 6.3.1.2 fire district permit,
- 6.3.1.3 miscellaneous permits: street use, curb cuts, sidewalk use, parking meter use,
- 6.3.1.4 utility connections: water, storm sewer, sanitary sewer, electric, gas, fire protection, others,

6.3.1.5 bonds: bid bond, performance bond, payment bond, warranty bond, maintenance bond,

6.3.1.6 insurance: public liability, builders risk, all-risk, hold harmless.

Excludes:

6.3.1.7 Permanent work included elsewhere within the physical elements of construction.

6.3.2 *Field/Site Set-Up and Accommodation (X 1010)*

Includes:

6.3.2.1 Access to site: temporary roads, storage, lay down and parking areas, traffic control,

6.3.2.2 Site setup: move in and out, mobilization, set-up, construction signs,

6.3.2.3 Site accommodations

(a) temporary buildings: offices, storage sheds, first aid, lunch room,

(b) temporary labor camp: dormitories, kitchens, laundry, store, entertainment,

(c) temporary toilets,

(d) heating, ventilation and cooling,

(e) telephone, facsimile, and data: service and monthly charges,

Level 1 Major Group Classification	Level 2 Group Classification	Level 3 Individual Classification
X Field Requirements, and Overhead & Profit	X 10 Field Requirements	X 1005 Bonds, Permits, Fees and Insurances
		X 1010 Field/Site Set-Up and Accommodation
		X 1015 Management, Supervision and Field Engineering
		X 1020 Personnel Travel, and Lodging
		X 1025 Security
		X 1030 Construction Aids, Equipment and Tools
		X 1035 Temporary Construction
		X 1040 Climatic and Environmental Requirements
		X 1045 Quality Control, Inspection and Testing
		X 1050 Maintenance and Housekeeping
X 1090 Other Contractual Requirements		
	X 20 Office Overhead & Profit	X 2010 Home Office Overhead
		X 2020 Profit

FIG. 1 Classification of Field Requirements, and Office Overhead & Profit, with Alpha-Numerical Designations