E. DILLON & COMPANY
PRODUCT SPECIFICATIONS

INTRODUCTION

E.DILLON & COMPANY

Since 1972, E. Dillon & Company has manufactured concrete masonry units (CMU) at its plant and rock quarry in Swords Creek, Virginia. In addition to offering the construction industry aggregates, fine grind products, and mortarless segmental retaining wall units; E. Dillon & Company, produces the following high quality, custom produced, architectural concrete masonry units using superior colored aggregates from its own quarry and state-of-the art polishing and grinding equipment:

Premier Line Reflective Faced CMU

Premier Line Dillon Ground Face CMU

Premier Line Dillon Split Face CMU

PRODUCT SPECIFICATIONS

Three product guide specification sections have been prepared to assist design professionals in incorporating concrete masonry units manufactured by E. Dillon & Company into a competitive bid construction project.

Section 04221 - Reflective Face Concrete Masonry Units
Section 04222 - Ground Face Concrete Masonry Units
Section 04223 - Split Face Concrete Masonry Units

The above numbers and titles are based on classifications and numbering contained in MasterFormat - Master List of Numbers and Titles for the Construction Industry, 1995 Edition, published jointly by the Construction Specifications Institute (CSI) and Construction Specifications Canada (CSC). MasterFormat is a uniform system for organizing specification sections and other information in construction project manuals. This industry standard allows for the quick and easy retrieval of construction information.

SPECIFICATION SECTION SCOPE

There are two approaches to specifying concrete masonry unit work. For large, complex projects using several types of masonry units and assemblies, several specification sections can be employed. There might be one or more sections specifying masonry units and one or more sections specifying how the masonry units are constructed into various types of masonry wall assemblies. For example:

Masonry unit specification sections:

Section 04210 - Clay Masonry Units
Section 04220 - Concrete Masonry Units
Section 04221 - Reflective Face Concrete Masonry Units
Section 04222 - Ground Face Concrete Masonry Units
Section 04223 - Split Face Concrete Masonry Units

Installation specification section:

Section 08115 - Masonry Veneer
Section 08820 - Reinforced Unit Masonry Assemblies
Section 04840 - Prefabricated Masonry Panels

For smaller projects involving a limited number of masonry units and assemblies, a single section could be prepared specifying all the masonry products as well as the installation methods for the required masonry assemblies. A sample of this type of section is:

Section 04810 - Unit Masonry Assemblies: Covering standard, Reflective face, ground face, and split face concrete masonry units; reinforcement; mortar; grout; and installation methods.

The E. Dillon & Company product guide specification sections only contain minimal requirements for constructing CMU assemblies. Reinforcement, mortar, and grout are not included. The guide sections will need to be cross referenced to the sections containing installation requirements. However, if the specifier chooses to use a guide specification section as a stand-alone, all inclusive masonry section; reinforcement, mortar, grout, and installation requirements will need to be added by the specifier.

SECTION ORGANIZATION

The E. Dillon & Company product guide specification sections have been organized according to SectionFormat - A Recommended Format for Construction Specifications Sections, 1997 Edition, published jointly by CSI and CCS. SectionFormat provides a uniform approach to organizing specification text by placing information in three standard parts:

PART 1 - GENERAL	Describes administrative and procedural requirements.
PART 2 - PRODUCTS	Describes materials, products, and accessories to be incorporated into the construction project.
PART 3 - EXECUTION	Describes how the products will be installed at the construction site.

WRITING STYLE

The E. Dillon & Company product specifications have been written using the writing principles and techniques contained in the Manual of Practice published by CSI. The goal is to develop specifications that are clear, correct, complete, and concise. Within the E. Dillon & Company guide specifications, the imperative mood has been used for instructions for providing, fabricating, and installing products. It is understood that the specifications are addressed to the contractor who is legally responsible to the owner for constructing the project. Hence, the imperative mood is used to indicate actions to be performed by the contractor. Following is an example of a requirement in the indicative mood and as a more direct imperative instruction.

Indicative mood:

Contractor shall spread sand or straw at base of walls to minimize dirt and clay splashing onto Reflective CMU faces.

Imperative mood:

Spread sand or straw at base of walls to minimize dirt and clay splashing onto Reflective CMU faces.

STREAMLINING

Unnecessary words such as "the", "an", and "a" have been eliminated. Use of "for", "of", and other prepositions has been minimized. Streamlining has also been used to reduce verbiage in the guide specifications. This technique places the subject first and hence provides key words for quick reference. The words "shall be" are included by inference where a colon (:) is used. For example,

Standard phrasing:

The water repellent integrally mixed during manufacture of the concrete masonry units shall be a liquid polymeric water repellent admixture.

Streamline phrasing:

Water repellent: Liquid integral polymeric admixture.

REFERENCES

Throughout the product specifications, references are made to other specification sections that might be contained in the project manual. These references are presented as examples and coordination reminders. For each project, these references will need to be revised to reflect actual sections being used. The referenced specification section numbers and titles have been derived from the CSI/CSC MasterFormat. Samples of references to be verified are:

Submit in accordance with Section 01330 - Submittal Procedures: . . .

Install Reflective face CMU as part of unit masonry work specified in Section 04810 - Unit Masonry Assemblies.

EDITING

The E. Dillon & Company guide specifications will need to be edited by the specifier for a specific project and to reflect the products, options, and applications being used. The guide sections have been written so that most editing can be accomplished by deleting unnecessary requirements and options. Depending on project requirements, some additional information will need to be added by the specifier. Options are indicated by [ ]. Notes to assist the specifier in selecting options and editing the specification guides are printed in bold and indicated with *********. For final editing, all brackets and notes will need to be deleted from the guides. For example:

******* Premier Line Reflective Face CMU units can be provided with one or more vertical scores per face. *******

Face pattern: Reflective, smooth, flat face [scored with [one] [_____] vertical false head joints].

METRIC EQUIVALENTS

Notes within the product specifications list U.S. Imperial dimensions followed by metric equivalents derived from System International Metric (SI) in parentheses. Within the specification text, Imperial dimensions are presented first in brackets followed by SI metric equivalents also in brackets. Depending of project requirements, either the Imperial or the SI metric equivalents will need to be deleted. For example,

> ******* Sill units are provided in three depths, 7-5/8, 5-5/8, and 3 5/8 inches. *******
>
> Sill units: Solid units with vertical and sloped polished front face, [7-5/8 inches] [194 mm] wide by [7-5/8 inches] [194 mm] high by [[7-5/8] [5-5/8] [3-5/8] inches] [[194] [143] [92] mm] deep.

COMMENTS

These product guide specifications have been developed to assist the design professional in incorporating E. Dillon & Company concrete masonry units into a construction project. Hopefully, this guide will reduce the time and effort required to prepare a project CMU specification. Your questions, comments, suggestions, and additional information requests will be appreciated and useful in preparing future revisions. Please respond to E. Dillon & Company by mail, telephone, FAX, or E-Mail.

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