

CSI MasterFormat™ 2004.

In 2004, the Construction Specifications Institute (CSI) published a major revision to CSI's premier document, MasterFormat™. The design and construction industry largely accepts this document as the standard for organizing specifications, contracts, and other written information used for most non-residential building projects in the United States and Canada.

CSI MasterFormat™ 2004 provides a master list of divisions, and section numbers and titles within each division. This organizational document standardizes the location of product information into a uniform list that improves the communication among the parties involved in the design and construction of building projects.

The familiar 16 Divisions of MasterFormat™ have been in place for almost 40 years. With developments in technology and the addition of products, systems, and equipment over this time period that were never imagined in the formation of the original 16 divisions, CSI set out on a three year mission to update and expand MasterFormat™. The goal was to accommodate not only the products that have been developed in the past 40 years, but also to acknowledge the potential expansion of products to come.

MasterFormat 2004™ also incorporates a life cycle component to the divisions and provides expanded information locations for projects that in the past had not been accounted for. These areas include heavy civil engineering (roads and bridges) and industrial construction (factories and power plants).

In the list of divisions and titles, the listings in Divisions 3 through Division 14 remain virtually the same as in the MasterFormat™ 1995. The biggest changes occur in Division 2, and in Divisions 15 and above. CSI determined, through input from numerous related organizations over the development period, that the organization of information in Divisions 3 through 14 was relatively stable, and that no major revision was necessary.

Part of the CSI objective in revising the MasterFormat™ was to make it easy (relatively) for users to adapt to the MasterFormat™ 2004. And, the new edition reserves division numbers and section numbers for room to grow over the next few decades without having to go through a major overhaul for many years to come.

CICC provides the following list of division titles to help *Blue Book* users to better understand the new CSI MasterFormat™ 2004.

For a full listing of MasterFormat™ 2004 divisions and sections, follow the URL below.

http://www.csinet.org/s_csi/docs/9400/9361.pdf

Division Numbers and Titles

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP

Division 00 Procurement and Contracting Requirements

SPECIFICATIONS GROUP

GENERAL REQUIREMENTS SUBGROUP

Division 01 General Requirements

FACILITY CONSTRUCTION SUBGROUP

Division 02 Existing Conditions

Division 03 Concrete

Division 04 Masonry

Division 05 Metals

Division 06 Wood, Plastics, and Composites

Division 07 Thermal and Moisture Protection

Division 08 Openings

Division 09 Finishes

Division 10 Specialties

Division 11 Equipment

Division 12 Furnishings

Division 13 Special Construction

Division 14 Conveying Equipment

Division 15 Reserved

Division 16 Reserved

Division 17 Reserved

Division 18 Reserved

Division 19 Reserved

FACILITY SERVICES SUBGROUP

Division 20 Reserved

Division 21 Fire Suppression

Division 22 Plumbing

Division 23 Heating, Ventilating, and Air Conditioning

Division 24 Reserved

Division 25 Integrated Automation

Division 26 Electrical

Division 27 Communications

Division 28 Electronic Safety and Security

Division 29 Reserved

SITE AND INFRASTRUCTURE SUBGROUP

Division 30 Reserved

Division 31 Earthwork

Division 32 Exterior Improvements

Division 33 Utilities

Division 34 Transportation

Division 35 Waterway and Marine Construction

Division 36 Reserved

Division 37 Reserved

Division 38 Reserved

Division 39 Reserved

PROCESS EQUIPMENT SUBGROUP	Division 44 Pollution Control Equipment
Division 40 Process Integration	Division 45 Industry-Specific Manufacturing Equipment
Division 41 Material Processing and Handling Equipment	Division 46 Reserved
Division 42 Process Heating, Cooling, and Drying Equipment	Division 47 Reserved
Division 43 Process Gas and Liquid Handling, Purification, and Storage Equipment	Division 48 Electrical Power Generation
	Division 49 Reserved

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MASTERFORMAT™ 2004 EDITION DIVISION CONTENTS:

Though changes too numerous to list have been incorporated into the 2004 edition of MasterFormat™, the following is a summary that compares the contents of the divisions that will compose MasterFormat™ 2004 Edition with MasterFormat™ 1995 Edition:

Division 00 – Procurement and Contracting Requirements: Essentially the same scope as MasterFormat™ 1995 Edition.

Division 01 – General Requirements: Area for performance requirements added to allow for writing performance requirements for elements that overlap work sections (building envelope, structure, etc.). This allows for a mixture of broad performance specifications and prescriptive specifications in a project manual.

Division 02 – Existing Conditions: This division is now limited to “existing conditions,” construction practices that relate to items at the site at the commencement of work – selective demolition, subsurface and other investigation, surveying, site decontamination, and site remediation, among others. All site construction as well as heavy civil and infrastructure subject matter, including utility and pavement work, has been relocated to the Site and Infrastructure Subgroup.

Divisions 03 – Concrete, 04 – Masonry, and 05 – Metals: Essentially the same scope as MasterFormat™ 1995 Edition.

Division 06 – Wood, Plastics, and Composites: Essentially the same scope as MasterFormat™ 1995 Edition with expansion in the areas of plastics and composites.

Division 07 – Thermal and Moisture Protection: Essentially the same as MasterFormat™ 1995 Edition.

Division 08 – Openings: Renamed but with essentially the same scope of as MasterFormat™ 1995 Edition with the addition of some other openings such as louvers and grilles.

Divisions 09 – Finishes and 10 – Specialties: Essentially the same scope as MasterFormat™ 1995 Edition.

Division 11 – Equipment: Equipment related to process engineering has been relocated to the Process Equipment Subgroup and equipment related to infrastructure has been relocated to the Site and Infrastructure Subgroup.

Division 12 – Furnishings: Essentially the same scope as MasterFormat™ 1995 Edition.

Division 13 – Special Construction: Special construction related to process engineering has been relocated to the Process Equipment Subgroup. Security access, building automation, detection and alarm, and fire suppression subjects have been relocated to the Facility Services Subgroup.

Division 14 – Conveying Equipment: Renamed with process related material handling subjects relocated to the Process Equipment Subgroup.

Division 15 – Mechanical: Division 15 has been reserved for future expansion and material has been relocated to Division 22 – Plumbing and Division 23 – Heating, Ventilating, and Air Conditioning in the Facility Services Subgroup.

Division 16 - Electrical: Division 16 has been reserved for future expansion and material has been relocated to Divisions 26 – Electrical and 27 – Communications in the Facility Services Subgroup. Facility Services Subgroup: This subgroup retains the same basic content as published in Draft 4, but with some new divisions, arranged in a revised order.

Division 21 – Fire Suppression: Fire suppression subjects relocated from Division 13 in MasterFormat™ 1995 Edition.

Division 22 – Plumbing: Plumbing subjects relocated from Division 15 in MasterFormat™ 1995 Edition.

Division 23 – Heating Ventilating and Air Conditioning: HVAC subjects relocated from Division 15 in MasterFormat™ 1995 Edition.

Division 25 – Integrated Automation: Expanded integrated automation subjects relocated from Division 13 in MasterFormat™ 1995 Edition.

Division 26 – Electrical: Electrical and lighting subjects relocated from Division 16 in MasterFormat™ 1995 Edition.

Division 27 – Communications: Expanded communications subjects relocated from Division 16 in MasterFormat™ 1995 Edition.

Division 28 – Electronic Safety and Security: Expanded electronic safety and security subjects relocated from Division 13 in MasterFormat™ 1995 Edition.

Site and Infrastructure Subgroup: This subgroup contains heavy civil and utility subject matter, as well as site construction material moved from Division 2 in MasterFormat™ 1995 Edition.

Division 31 – Earthwork: Site construction subjects, chiefly below-grade, from Division 2 in MasterFormat™ 1995 Edition.

Division 32 – Exterior Improvements: Site construction subjects, chiefly above-grade, from Division 2 in MasterFormat™ 1995 Edition.

Division 33 – Utilities: Expanded utility subjects relocated from Division 2 in MasterFormat™ 1995 Edition.

Division 34 – Transportation: Expanded transportation subjects relocated from various Divisions in MasterFormat™ 1995 Edition.

Division 35 – Waterway and Marine Construction: Expanded waterway and marine subjects relocated from mainly Division 2 in MasterFormat™ 1995 Edition.

Process Equipment Subgroup: Some material in this subgroup is new to MasterFormat™ 2004 Edition, while some has been relocated from Divisions 11, 13, and 14 in MasterFormat™ 1995 Edition.

Division 40 – Process Integration: Process facilities are composed of a variety of subsystems, tied together and integrated by distribution pathways, control, and instrumentation. All of these systems must work together as a whole. This division includes elements used to tie these systems together: piping, heat tracing, insulation, and instrumentation and control systems, and also provides a place to specify commissioning requirements for the subsystems and the facility as a whole.

Division 41 – Material Processing and Handling Equipment: Equipment for processing and conditioning of raw materials; material handling equipment for bulk materials as well as discrete units; manufacturing equipment and machinery, test equipment, and packaging / shipping systems.

Division 42 – Process Heating, Cooling, and Drying Equipment: Equipment for process heating, cooling and drying of materials, liquids, gases and manufactured items and materials.

Division 43 – Process Gas and Liquid Handling, Purification and Storage Equipment: Equipment for handling, purification and storage of process liquids, gases, slurries; includes atmospheric tanks as well as pressure vessels.

Division 44 – Pollution Control Equipment: Equipment for controlling emission of contaminants from manufacturing processes and treatment of air, water, soils and noise contaminants.

Division 45 – Industry-Specific Manufacturing Equipment: A division in which users can specify equipment that is used only within a single industry. All industries currently identified within the North American Industry Classification System (NAICS) are allocated space within the division.

Division 48 – Electrical Power Generation: Plants and equipment for the generation and control of electrical power from fossil fuel, nuclear energy, hydroelectric, wind, solar energy, geothermal energy, electrochemical energy, and fuel cells.