CSC Glossary of Terms





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GLOSSARY OF CONSTRUCTION TERMS

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INTRODUCTION

The CSC Glossary of Construction Terms has been developed as a multi-purpose document for use by the Canadian design and construction industry. The terms and definitions reflect common industry usage. The primary purpose of this Glossary is to identify and clarify terminology commonly used in construction documentation. It is intended to be used as an educational tool, as an integral part of every CSC educational program, course, or technical seminar, and to ensure that consistent terminology is used throughout all CSC documentation.

The Glossary is coordinated with and intended to supplement guides, standard form contracts, manuals of practice, and other documents published by the Canadian Construction Documents Committee (CCDC), the Royal Architectural Institute of Canada (RAIC), and other design and construction organizations.

The Glossary provides definitions of words and phrases in the context in which they are commonly used in the design and construction industry. An exhaustive list of technical terms associated with technical specifications and drawings is not included. The Glossary is intended to be updated periodically to reflect new and changing industry practices.

TERMINOLOGY SOURCES

The Glossary terms and definitions are drawn from or coordinated with:

- CCDC Contracts, Guides, and Master Specifications.
- RAIC Document Six.
- RAIC Canadian Handbook of Practice.
- CSC Principles of Construction Documentation (PCD) Course.
- CSC Specifier Course.
- CSC Construction Contract Administrator (CCA) Course.
- CSC Technical Representative (CTR) Course.
- Other CSC seminars and technical documentation.

GLOSSARY TERMS

The Glossary is organized alphabetically and usually contains a single definition for each term. Occasionally, more than one definition is provided for different contexts. Other definitions and uses of a term may exist when used in contexts other than design and construction. Where a term is synonymous with another, the same definition may appear for different terms and the synonymous term is noted.

Use of abbreviations, initialisms, and acronyms is generally not advised by CSC, but they are occasionally included where commonly used. Most words and phrases are shown in their singular form, with the assumption that their plural form does not change the definition. Where Glossary defined terms appear in definitions within the Glossary, they are capitalized.

Where CCDC and RAIC definitions are used, the document number is referenced, and the definition appearing in the current edition (at time of writing) is quoted. These definitions may be slightly modified by, for example, removal of repetitive words and removal of references to other parts of a standard form contract. Their original capitalization/non-capitalization is retained.

LIST OF TERMS

WORD/PHRASE DEFINITION

Acceptable Satisfactory to and approved by a reviewing or other authority in accordance

with defined criteria.

Acceptable A Product proposed for use on a Project that meets a Specification's

Product minimum requirements and determined to be Acceptable.

Access to the The legal right of a Builder, Consultant, Owner or other authorized person or

Work entity to enter, occupy, and exit a Work Site.

Accessibility Provides specialist services for barrier free Design.

Consultant

Acoustical Provides specialist services for the Design of auditoriums, classrooms,

Consultant concert halls, and other spaces with acoustic or noise isolation requirements.

Act A law created by elected representatives either in the federal parliament or

provincial/territorial legislative assemblies. Synonymous with Statute.

Addendum CCDC 23 Definition: "... a document the Procurement Authority makes

available to Bidders before contract award that modifies and forms part of

the Bid Documents. The plural of Addendum is Addenda."

Additional Service RAIC Document Six Definition: "... services that are not included as

Services to be provided by the Architect ... at the time this contract is made but which, with the written agreement of the Client and Architect, are

subsequently added to the Services identified in ..."

Agency A legal relationship by which one party is empowered to act on behalf of

another party.

Agent A person or entity authorized by another to act in their place or on their

behalf.

Agreement The signed legal instrument binding parties in a Contract, describing and

summarizing the key terms of the Contract.

Alternate Synonymous with Alternative. See preferred terms Alternative, Alternative

Bid, and Alternative Price.

Alternative CCDC 23 Definition: "... anything for which Bidders provide a separate

price, with the intent of giving the Owner the option to accept or not accept that alternative in determining the actual Work of the contract. An alternative could be any product, system, installation method, design, requirement, scope of work, etc., that is different from (i.e. an alternative to) whatever is

included in the base Bid."

Alternative Bid Provided as a supplement or appendix to the Base Bid, and which the Owner

has the option to accept or reject.

WORD/PHRASE

DEFINITION

Alternative **Dispute**

A means of resolving disputes between two or more contracting parties before Litigation is commenced, with the objective of resolving the dispute **Resolution (ADR)** more quickly, less expensively, and more privately than by Litigation.

Parties may agree in advance to ADR as a term of the Contract or by mutual

agreement upon the occurrence of a dispute.

Alternative Price The amount stipulated by a Bidder for an Alternative in an Alternative Bid.

Stated as an addition, deduction, or no change to the Base Bid.

Application for Payment

A Builder's written request for payment for completed portions of the Work and for Products delivered to the Place of the Work, or as otherwise

provided in the Contract.

Arbitration An Alternative Dispute Resolution procedure in which a dispute is presented,

> by agreement of the parties, to one or more Arbitrators to decide on the dispute instead of by Litigation. Unless otherwise agreed by the parties, the

decision is final and binding on the parties.

Arbitrator A qualified person chosen, by agreement of the parties, to resolve a dispute

by Arbitration.

Architect A person qualified to Design, document, coordinate, and administer all

aspects of Building Design and Construction, and who is licensed to practice

architecture under a provincial/territorial Act.

RAIC Document Six Definition: "... the person or entity identified in ... the agreement and who is registered, licenced or otherwise authorized to use the title "Architect" and to practice architecture at the Place of the Work."

As-Built Documents Drawings, Specifications, and other documents that are annotated by the Builder during Construction to record whatever is constructed that differs

from the Contract Documents.

Assembly Products, Components, Materials, or Equipment assembled for a particular

> function and ultimately comprising an assembled Product or part of the Work. UniFormatTM uses Assemblies as a basis for its Classification.

Attribute Data, such as a door number or column, attached to an entry, block, or

symbol in an electronic Drawing or Building Information Management

(BIM) model.

In the context of Commissioning, a person or entity under Contract to an Auditor

Owner to review and assess Commissioning reports.

Jurisdiction

Authority Having A person or entity charged with the responsibility for enforcement and

administration of an Act, Regulation, or Code.

WORD/PHRASE

DEFINITION

Bar Chart A graphic display using horizontal bars to show the start date, duration, and

dependencies of Project activities. Often used for Construction Progress

Schedules. Synonymous with Gantt Chart.

Base Bid The sum stated in a Bid for which a Bidder offers to perform the Work

described in the Bid Documents, and to which Work may be added to or

deleted from based on one more accepted Alternatives.

Basis of Design In the context of a Project Manual, refers to a Product identified by a

Manufacturer's or Supplier's trade name, type or model number, etc. It indicates that other aspects of the Design shown in the Drawings and Specifications assume the use of this Product, but that Substitutions may be

Acceptable.

Benchmark In a general context, a standard by which something can be measured or

judged. In the surveying context, a point of known elevation marked in a permanent way, to serve as a reference point from which other elevations are

measured.

Best Value CCDC 23 Definition: "... a Procurement Method by which the Owner

selects a Contractor based on a variety of factors in addition to price."

Bid CCDC 23 Definition: "... a legally binding document submitted to the

Owner in response to a Bid Call, offering to provide Construction services

for a given price (or prices)."

Bid Bond A type of Bond, submitted with a Bid, in which the Surety Guarantees to the

Obligee (typically an Owner) that the Principal (the Bidder) will, upon a Notice of Award within the specified Bid validity period, honour its Bid by signing the Contract and furnishing a Performance Bond or other security as may be required by the Bid Documents. The purpose is to compensate the Owner financially if the Successful Bidder fails to do so. See also Bid

Security.

Bid Call CCDC 23 Definition: "... the process whereby the Procurement Authority

solicits and receives competitive Bids."

Bid Calling Authority See Procurement Authority.

Bid Closing The date and time by which Bids must be received by the Procurement

Authority.

Bid Depository A system by which sealed or confidential Subcontract and Sub-subcontract

Bids are received by a Third Party organization for distribution to Prime Contract and Subcontract Bidders respectively. Intended to prevent Bid

Shopping and Bid Peddling.

WORD/PHRASE

DEFINITION

Bid Documents

A set of documents consisting of Procurement and Contracting

Requirements, General Requirements, Specifications, Drawings, Addenda, and other information made available to Bidders for the purpose of preparing

and submitting a Bid.

CCDC 23 Definition: "... all of the documents the Procurement Authority

makes available to Bidders as part of the Bid Call."

Bid Form The form provided by the Procurement Authority, which Bidders must use

when submitting their Bids.

Bid Form Supplement One or more documents that the Procurement Authority requires Bidders to

submit as part of their Bid submission, in addition to the Bid Form.

Bid Modification A modification to a previously submitted Bid submitted by a Bidder before

the Bid Closing.

Bid Opening The opening and tabulation of sealed or confidential Bids after the Bid

Closing.

Bid Peddling The unethical practice of a prospective Subcontractor, not initially selected

> by the successful Prime Contractor, offering to perform the Work at a lower price than the originally chosen Subcontract Bidder. Refers also to a

> prospective Sub-subcontractor or Supplier similarly approaching a successful

Subcontractor with a lower price. See also Bid Shopping, which this is

essentially the reverse of.

Bid (Bidding)

The period of time from issuance or availability of the Bid Documents to Period

prospective Bidders until the Bid Closing.

Bid Price The dollar amount for which a Bidder offers to perform the Work called for

in the Bid Documents.

Bid Security A Bid Bond or cash deposit submitted with a Bid, to ensure that a Bidder

> will, upon a Notice of Award within the specified Bid validity period, honour its Bid by signing the Contract and furnishing a Performance Bond or other security as may be required by the Bid Documents. The purpose is to

> compensate the Owner financially if the Successful Bidder fails to do so. See

also Bid Bond.

Bid Shopping The unethical practice of a Prime Contractor disclosing a Subcontract

Bidder's Bid Price to other Subcontract Bidders and asking those

competitors to submit a lower price after the Prime Contractor's Bid has been accepted by the Owner. Also refers to a Subcontractor disclosing a prospective Sub-subcontractor's or Supplier's bid to their competitors and asking them to submit a lower price after the Subcontractor's bid has been accepted by the Prime Contractor. See also Bid Peddling, which this is

essentially the reverse of.

CCDC 23 Definition: "... an entity that submits a Bid in response to a Bid Bidder

Call."

WORD/PHRASE

DEFINITION

Bidding The process of preparing and submitting a Bid (or an Offer) to provide

Construction related services for at stated price.

Bill A proposed Act or Statute. It is what members of parliament or a legislative

assembly debate. A bill goes through three readings. When it passes third reading and receives royal assent it is enacted. It becomes an Act or Statute.

Bond A type of Contract in which a Third-Party Surety Guarantees the obligations

of the Principal (the provider of the Bond) to an Obligee (the recipient of the

Bond). Synonymous with Surety Bond.

Bonding The entity that issues a Surety Bond. Synonymous with Surety.

Company

Breach of Intentional, inadvertent, or negligent failure, without legal justification, to

Contract fulfill a contractual obligation.

Builder The entity that is responsible for the performance of all or part of the

physical Construction Work for the Project. May be called the Contractor, Trade Contractor, Design-Builder, or Construction Manager in different Standard Form Contracts under different Project Delivery Methods. This term is used when referring generally to this entity under any Project Delivery Method. Synonymous with Constructor in some contexts.

Building A type of Facility comprising partially or totally enclosed spaces and

providing shelter.

Building Code A set of rules regulating the Construction of Buildings, primarily for safety

related reasons.

Building A computerized process that creates and manages detailed Design,

Information Construction, and Facility operation and maintenance information for a

Project in a software-controlled database.

Management (BIM)

Building Permit A permit issued, usually by a municipality or other Authority Having

Jurisdiction and required for the Construction of a new Building and for

additions or renovations to an existing Building.

By-Law A type of law enacted by municipalities and which may govern Construction.

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Cash Allowance

CCDC Div. 01 Master Specification Definition: "... sum of money that the Contractor is required to carry in the Contract Price ... for something known to definitely be required but which cannot be specified with adequate detail to permit accurate pricing at the time of the bid call, or which otherwise needs to be deferred.... When more information subsequently becomes available to permit the item to be more accurately priced, the Owner approves expenditure of the cash allowance [via Change Order]. A cash allowance excludes any amounts for the Contractor's overhead and profit related to the item. The Contractor must carry the overhead and profit separately in the Contract Price."

Certificate

A document attesting to the truth of certain stated facts.

Certificate of Insurance

CCDC 21 Definition: "Written document stating the insurance is in effect. Includes general statement of policy coverage."

Certificate for **Payment**

A process where the Consultant verifies and documents that a Progress Payment amount is properly due to be paid. May also referred to as Payment Certificate.

Certified Construction Contract Administrator

(CCCA)

A person certified by CSC as having the qualifications and experience necessary to carry out the responsibilities of administering a Construction Contract.

Certified **Specifications**

A CSP is a person certified by CSC and has experience, knowledge, and ability to communicate and write technical specification documents for the **Practitioner (CSP)** design and construction community.

Certified **Technical** Representative (CTR)

A person certified by CSC as having the qualifications and experience necessary to carry out the responsibilities of a Supplier's technical representative.

Change Directive

CCDC 2 Definition: "... a written instruction prepared by the Consultant and signed by the Owner directing the Contractor to proceed with a change in the Work within the general scope of the Contract Documents prior to the Owner and the Contractor agreeing upon adjustments in the Contract Price and the Contract Time."

Change Order

CCDC 2 Definition: "... a written amendment to the Contract prepared by the Consultant and signed by the Owner and the Contractor stating their agreement upon:

- a change in the Work;
- the method of adjustment or the amount of the adjustment in the

Contract Price, if any; and

the extent of the adjustment in the Contract Time, if any."

Change in the Work

An addition, deletion, or other revision to the Work within the general Scope of the Contract.

Checklist A tabular listing of Products, Materials, Components, Systems, and

Assemblies intended for use on a Project. Precedes or is a part of the

development of an Outline Specification.

Civil Law The province of Quebec's unique legal system that is rooted in the French

> civil law tradition and primarily codified in the Civil Code of Quebec, rather than the English Common Law that governs the rest of Canada. The Civil Law system governs relationships between persons or entities including, among other things, Design and Construction related contracts, property, and

liability in Quebec.

Claim A demand or assertion by one party seeking, as a matter of right, adjustment

or interpretation of Contract terms, payment of money, extension of time, or

other relief with respect to the terms of a Contract.

Claimant A party who makes a Claim against another party to a Contract.

Class A The final estimate of the total Construction Cost based on completed

Construction Cost Construction Documents for all Work of the Project.

Estimate

Class B An estimate of the Construction Cost based on Design Development

Construction Cost Drawings and Outline Specifications, which include the preliminary Design

Estimate of all major Systems, Elements, and Components.

Class C An estimate of the Construction Cost based on conceptual and Schematic

Construction Cost Design and a comprehensive list of Owner requirements.

Estimate

Class D A preliminary estimate of the Construction Cost based on the Owner's

Construction Cost Statement of Requirements, an outline of potential solutions, a Functional

Estimate Program, or a combination thereof.

Classification A set of concepts arranged systematically according to chosen characteristics

or criteria.

Clerk of the

A traditional term for a person retained and paid by the Owner to be the Owner's full-time representative at the Place of the Work. This is usually a Works

person acceptable to both the Owner and Consultant, who is experienced in

all phases of Construction.

Client A person or entity who retains and pays for the professional services of

another. In Construction this usually means the Owner but may include other

parties in some contexts. For example, under the Design-Build Project Delivery Method, the Design-Builder is a Client of the Consultant.

Climate Change Long term shifts in temperatures and weather patterns.

Code Government legislated requirements put in place for the public good.

A formal statement of values and business practices of corporations, **Code of Conduct**

institutions, professionals, associations, and individuals.

Commissioning A step-by-step process, executed by specialists, to ensure that all Systems

and Components of a Facility are installed, tested, and operating in

accordance with the Design intent and meet the Owner's functional operating

requirements.

Commissioning

Agent

A person or entity tasked with the responsibility to oversee the

Commissioning of a Facility.

Commissioning Record Manual

A document containing the Commissioning report that identifies operational

data and guidelines for efficient System operation by the Owner.

Commissioning

Team

A group of people responsible for the Commissioning process.

Common Law A legal system originating in England and using in many English-speaking

countries, including Canada outside of Quebec. It is primarily judge-made law, built on judicial precedents where rulings from past cases decide future

decisions.

Component An individual part of an Assembly or System.

Conceptual Planning

The activity associated with merging a Project's requirements with associated factors as an early step in the process of identifying Project requirements.

Conditions of Contract

Part of the Contract Documents that defines the legal rights and obligations of the parties to a Contract. Also referred to as General Conditions of

Contract or General Conditions.

Consensus Standard A type of Standard developed through a process where parties agree to common rules, guidelines, or characteristics for activities or results. Compliance is voluntary but may become mandatory through Building

Codes or by contractual requirement.

Construction

The process of creating the built environment.

Construction Budget

RAIC Document Six Definition: "... the maximum amount of money, including contingency allowances, which the Client is prepared to spend on Construction Cost. This amount is stated in ... the Agreement or may be an adjusted amount determined or approved by the Client under the terms of

this contract."

See also Project Budget. Construction Budget is distinct from Project

Budget.

Construction Contract

An Agreement between an Owner and a Builder for the Construction of a Project, or portions of a Project, in accordance with Contract Documents.

Construction
Contract
Administration

The management of all activities necessary to monitor and ensure compliance with contractual requirements by the parties to a Construction

Contract.

Construction Cost The total cost to the Owner to physically construct a Project, including the cost of the Work, the cost of Changes in the Work, and Construction Management Fees where applicable, but does not include Design Fees and other ancillary costs. See also Project Cost. Construction Cost is distinct from Project Cost.

Estimate

Construction Cost Either a Class A Construction Cost Estimate, a Class B Construction Cost Estimate, a Class C Construction Cost Estimate, or a Class D Construction Cost Estimate, as the context requires.

Construction **Documentation** Anything written or drawn, in printed or electronic form, that is used to convey information in the process of Design and Construction.

Construction **Documents**

When used in a broad sense, this term is synonymous with Construction Documentation.

Also, the Working Drawings and Specifications created by the Designers, based upon which a Class A Construction Cost Estimate can be produced.

CCDC 14 Definition: "... Drawings, Specifications, and other documents prepared by or on behalf of the Design-Builder, based on the Contract Documents, and accepted in writing by the Owner and the Design-Builder as meeting the Owner's Statement of Requirements and the general intent of the Contract Documents."

CCDC 30 Definition: "... the digital model, drawings, specifications and other documents, including electronic media prepared by or on behalf of the Design/Construction Team ... to describe the whole of any part of the Work."

Construction **Equipment**

CCDC 2 Definition: "... all machinery and equipment, either operated or not operated, that is required for preparing, fabricating, conveying, erecting, or otherwise performing the Work but is not incorporated into the Work."

Construction Management A general type of Project Delivery Method whose primary defining characteristics are at least two separate contracts: between Owner and Consultant, and between Owner and Construction Manager, with collaboration among the Consultant, Construction Manager, and Owner working as a Project Team to achieve efficiencies in time, cost, and constructability. Usually involves Fast-Tracking.

Construction Management for Services

A specific type of Construction Management under which the Construction Manager provides management services only and is not the Builder. The Owner retains all Trade Contractors and Suppliers. Sometimes also referred to as "Construction Manager as Agent."

Construction **Management for** Services and Construction

A specific type of Construction Management under which the Construction Manager provides management services, assumes the responsibilities of Builder, and contracts with Subcontractors and Suppliers. Sometimes also referred to as "Construction Manager at Risk."

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Construction Manager

Under the Construction Management Project Delivery Method, a person or entity contracted by the Owner to assist in the Design Phase of a Project and assume responsibilities for the management of Construction during the Construction Phase.

Construction Phase

That Phase of the Project commencing with Contract Award or other approval to proceed with physical Construction at the Place of the Work and extending through to Ready-for-Takeover.

Construction

A graphic representation of all activities in a Work Breakdown Structure for **Progress Schedule** a Construction Project, or part of thereof, and their estimated and actual durations, with start and end times. Used as a primary Project Management tool.

Construction Team

The group of people responsible for the Construction of a Facility. Depending on the Project Delivery Method, the Construction Team will be comprised of various individuals, with different roles, during various stages of Construction.

Constructor

May appear in some provincial/territorial Legislation in the context of health and safety. Synonymous with Builder in some contexts.

RAIC Document Six Definition: "... the person or entity engaged by the Client under the Construction Contract to perform some or all of the Work. It does not mean "constructor" as this term may be defined in any provincial or territorial legislation."

Consultant

A person or entity retained to provide Design or other specialist services for a Construction Project.

Consultant of Record

The professional Architect or Engineer with primary responsibility for the Design of a Project in accordance with the requirements of the Authority Having Jurisdiction.

Contingency Allowance

CCDC Div. 01 Master Specification Definition: "... sum of money that the Contractor is required to carry in the Contract Price ... for something completely unknown. It may or may not ultimately need to be spent in whole or in part ... an amount ... which the Owner may use to pay for some or all changes in the Work. Unlike a cash allowance, the Contractor's overhead and profit, and all other costs for which the contingency allowance is to be used, are included in the contingency allowance amount."

Contract

An Agreement between parties, creating rights and obligations that are legally enforceable.

CCDC 2 Definition: "... the undertaking by the parties to perform their respective duties, responsibilities, and obligations as prescribed in the Contract Documents and represents the entire agreement between the parties."

Contract Administration The management of all activities necessary to monitor and ensure compliance with Contract requirements by the parties to a Construction Contract. Synonymous with Construction Contract Administration.

Contract Administrator A person charged with the responsibility of Contract Administration.

Synonymous with Construction Contract Administrator.

Contract Award

The decision to notify a Successful Bidder that its Bid has been accepted (conditionally or unconditionally) or to notify another party of the intent to enter a Contract with them as part of a Negotiation process. Contract Award may not necessarily or immediately result in the creation of a legally binding

Contract. See also Notice of Award.

Contract Documents

CCDC 2 Definition: "... those documents listed in ... the Agreement and

amendments agreed upon between the parties."

Contract Law That body of law which governs the enforcement of Contracts.

Contract Modification

A change to a Contract after Contract Award that affects cost, time, or both.

Typically documented by Change Order or Change Directive.

Contract Price CCDC 2 Definition: "... the amount stipulated in ... the Agreement ..."

Contract Time CCDC 2 Definition: "... the time from commencement of the Work to the

date of Ready-for-Takeover as stipulated in ... the Agreement ..."

Contracting Requirements

The part of a Project Manual organized in accordance with MasterFormat TM that includes the Agreement, General Conditions, Supplementary Conditions,

and related documents.

Contractor CCDC 2 Definition: "... the person or entity identified as such in the

Agreement."

CCDC 23 Definition: "... the entity with whom the Owner enters into a

contract for the provision of construction services."

Coordination The arrangement and direction of the services or Work of others by a person

or entity in a manner to optimize efficiency and minimize conflicts, delays,

interferences, etc.

Cost Consultant A specialist Consultant who provides Construction Cost Estimates for a

Project.

Cost Plus a Fee A contractual payment method whereby the price the Owner pays the

Builder is not determined before the Work is performed. Rather, the Owner reimburses the Builder for actual costs incurred and pays a percentage or

fixed Fee in addition to those actual costs.

Cost Plus Contract A type of Contract in which the method of payment is Cost Plus a Fee.

CCDC 3 is a Cost Plus Contract.

Critical Path Method (CPM)

A system of Project planning, scheduling, and control, which identifies the longest sequence of activities (the "critical path") that determines the shortest

possible duration to complete the Project. It involves mapping out all activities in the Work Breakdown Structure, their dependencies and durations, then determining the earliest and latest start and finish times for each activity. Activities on the critical path have zero Float, meaning any

delay in these activities will delay the entire Project.

GLOSSARY OF CONSTRUCTION TERMS

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In law, monetary compensation for loss or injury caused by the wrongful act **Damages**

of another. Such compensation is the objective of most Litigation.

A calendar day unless specifically defined otherwise in a Contract. See also Day

Working Day.

Default Non-performance of a duty, whether arising under a Contract or otherwise;

failure to meet an obligation when due.

A Product or Work that is not in conformance with the Contract Documents Defect or

and that is faulty or defective in a way that may impair its performance,

durability, or appearance.

The retention of Contract monies otherwise payable by the Owner if required **Deficiency** Holdback

by a Contract to ensure the fulfillment of a contractual obligation to remedy

Defects or Deficiencies. See also Holdback.

Delay Any situation where the Contract Time established in a Contract may be, or

is, exceeded.

Delegated Design A contractual provision whereby responsibility for the Design of an

Assembly, Component, or System is assigned to a Builder, Subcontractor, or

Supplier.

Descriptive Specification

Deficiency

A type of Specification that provides a detailed written description of required properties of a Product, Material, Component, or System and its

fabrication and installation.

Design The creative effort of Architects, Engineers, and other members of a Design

Team to conceive, plan, make decisions about, and create Drawings for a

Construction Project. Used as a noun and a verb.

Design-Bid-Build A Project Delivery Method whose primary defining characteristics are at

> least two separate and sequential contracts, first between Owner and Consultant (Designer), then between Owner and Builder, with Construction typically commencing only after Design and the Bidding process are

substantially complete.

Design Brief A document created to describe in general Design terms an Owner's

requirements for a Facility in terms of functions and required spaces for particular functions, usually without regard to specific Components, Systems, Assemblies, or Products that may be used in the final Design to

satisfy those requirements. Synonymous with Functional Program.

Design-Build A Project Delivery Method where a Builder assumes contractual

responsibility for both Design and Construction of a Project under a single

Contract with the Owner.

Design-Builder The term used to describe the Builder under the Design-Build Project

Delivery Method.

CCDC 14 Definition: "... the person or entity identified as such in the

Agreement."

Design

The process of refining and developing the Schematic Design in more detail, **Development** at the end of which a Class B Construction Cost Estimate can be produced.

Design Services Services required for the Design of a Construction Project, and other related

services, performed by Architects, Engineers, and other Design

professionals.

CCDC 14 Definition: "... the professional design and related services

required by the Contract Documents."

Design Team The group of people (assembled and responsible for a Project's Design and

Design document development. Comprised primarily of Designers (Consultants). A Design Team may also include Owner and Builder

representatives, depending on the Project Delivery Method.

Designated Substance Survey Report A report on the results of a survey of existing conditions identifying the types and locations of Toxic and Hazardous Substances or other designated

substances, usually prepared by a specialist Consultant.

Designer A person or entity, usually a Consultant (Architect, Engineer, or other

Design professional) who is responsible for the Design of all or part of a

Project.

Detail A term used to describe large scale Drawings or sections of a Drawing,

which show more information about specific Components and Assemblies

than can be provided in smaller scale Drawings.

Development When used as a noun, refers to a Project that results in a change of land use,

the Construction of or addition to a Building, or other change to the built

environment.

Development Application

A formal application for the approval of a Development by a municipality or

other Authority Having Jurisdiction.

Division The primary Classification framework of MasterFormatTM. Divisions are the

highest level of numbers and titles that identify the broadest groupings of

related information.

Division 00 –

Procurement and Contracting Requirements

The Division of MasterFormatTM comprising the Sections used to specify requirements related to the Bidding process and Conditions of Contract.

Division 01 -General

Requirements

The Division of MasterFormatTM comprising the Sections used to specify administrative requirements, procedural requirements, temporary facilities and controls, and performance requirements and that apply to and govern the Work of the Technical Specifications Sections in Divisions 02 - 49 where

applicable.

Drawings The graphic representations and Details resulting from the Design effort that

are necessary for the Construction of a Project.

CCDC 2 Definition: "... the graphic and pictorial portions of the Contract Documents, wherever located and whenever issued, showing the design, location and dimensions of the Work, generally including plans, elevations,

sections, details and diagrams."

Duty of Care The legal obligation of a person or entity to avoid acts or omissions likely to

cause harm to others.

Environmental Impact

Changes to the natural environment, including to all naturally occurring living and non-living things, that result, or may result, from a Development

or a Construction Project.

Environmental Product

An international Standard that signals a Manufacturer's commitment to measuring and reducing the environmental impact of its Products and **Declaration (EPD)** services and report these impacts in a hyper-transparent way. With an EPD,

Manufacturers report comparable, objective, and Third Party verified data

that show the positive and negative impacts of the environmental

performance of their Products and services.

Element A part of a Building that fulfills a primary function, e.g. foundations, walls, floors, roofs, etc. UniFormatTM uses Elements as a basis for its Classification.

Embodied Carbon The amount of carbon dioxide (or greenhouse gas emissions) resulting from extraction, manufacturing, and transportation of a Material or Product. Also referred to as Embodied Greenhouse Gas Emissions.

A qualified and trained person who uses knowledge of math and natural

science, to Design, construct, and operate Buildings or other infrastructure in the built environment, and who is licensed to practice engineering in a

province/territory.

Equipment Machinery, tools, apparatus, and supplies necessary for the operation or

maintenance of a Building or other infrastructure in the built environment.

Errors and See Professional Liability Insurance.

Omissions Insurance

Engineer

Estimate An approximate calculation or judgment of cost or time required to complete

all or part of a Project.

The moral principles that govern the behaviour of a person or entity. **Ethics**

Express Warranty A specific promise made by a seller to a buyer and expressly stated in a

Contract (as distinct from an Implied Warranty).

Extended A Warranty provided by a Builder, Subcontractor, Sub-subcontractor, or Supplier, which extends for a specified period of time beyond the standard Warranty

one-year Warranty period provided in CCDC Contracts.

Extra Work Work that is outside the original Scope of a Contract.

Facility One or more Buildings and other infrastructure on a site where a particular

activity occurs.

Facility A profession dedicated to ensuring the functionality, comfort, safety, Management sustainability, and efficient operation and maintenance of a Facility.

Facility Manager A person or entity who manages a Facility to achieve Facility Management

objectives.

Fast Tracking Refers to overlapping Design and Construction activities, wherein

Construction commences before the overall Design of a Project is complete.

Fee Monetary compensation for a defined Scope of professional or other services

rendered. May include or exclude reimbursable costs or expenses, depending

on Contract specific terms.

Field Review See General Review.

Field Services Usually refers to services provided by a Supplier at a Work Site.

Final Payment The last disbursement of monies owed by the Owner to a Builder on account

of a Contract Price.

Fixed Price A contractual payment method whereby a seller agrees to perform the Work

of a Contract, perform Services, or supply Products to a buyer for an amount

stated in the Contract. The seller assumes the risk and reward of the difference between the seller's costs and the Contract Price. Contracts between Owners, Builders, Subcontractors, Sub-subcontractors, and Suppliers, as well as their Bids and Quotations, are commonly but not exclusively Fixed Price (see Unit Price and Cost Plus a Fee). Synonymous

with Stipulated Price and Lump Sum.

Float In a Construction Progress Schedule, the time (in days) that an activity may

> be delayed from its early start without delaying the Project completion date. Float is a mathematical calculation and can change as the Project progresses and changes are made to the schedule. Also referred to as total float and path

float.

Front End A colloquial term that refers to both Division 00 - Procurement and **Documents**

Contracting Requirements and Division 01 - General Requirements that

appear at the front of a Project Manual.

A Warranty generally covering both parts and labour, under which the **Full Warranty**

> Warrantor must remedy Defects or Deficiencies in a Product or Work arising during a specified period. The remedy must be performed without charge and within a reasonable time after notice. The standard one-year Warranty

provided under CCDC Contracts is a Full Warranty. Distinct from a Limited

Warranty.

Functional Program

A document created to describe in general Design terms an Owner's requirements for a Facility in terms of functions and required spaces for particular functions, usually without regard to specific Components, Systems, Assemblies, or Products that may be used in the final Design to

satisfy those requirements. Synonymous with Design Brief.

Gantt Chart A graphic display using horizontal bars to show the start date, duration, and

dependencies of Project activities. Often used for Construction Progress

Schedules. Synonymous with Bar Chart.

General
Conditions of
Contract

That part of the Contract Documents that sets forth the legal rights and obligations of the parties to a Contract. Also referred to as Conditions of Contract or General Conditions.

General Review RAIC Document Six Definition: "General Review, which is synonymous

with field review, is review by the Architect and Consultants during visits to the Place of the Work and, where applicable, at locations where building components are fabricated for use at the Place of the Work, at intervals appropriate to the stage of construction that the Architect and Consultants, in their professional discretion, consider necessary to become familiar with the progress and quality of the Work and to determine that the Work is in general conformity with the Construction Documents and to so report, in writing, to the Client, the Constructor, and authorities having jurisdiction."

Geotechnical Consultant

A person or firm that specializes in the field of geotechnical engineering, a branch of civil engineering concerned with the engineering behavior of earth materials, i.e. soil and rocks.

Geotechnical Investigation Report A description of existing conditions recording physical properties of soils and other subsurface conditions, and including Design recommendations for foundations, pavements, etc. Prepared by a Geotechnical Consultant primarily for the use by the Engineer responsible for structural Design.

Goods A term generally used in Procurement Contracts to refer to Materials, Products, Components, Systems, or Equipment being procured from a

Supplier.

Green Project A Project that is purposely designed to minimize its Environmental Impact

during Construction and for its Life Cycle. Synonymous with Sustainable

Project.

Guarantee When used as a noun, a legally binding Agreement wherein one party

promises to answer for the debt or default of another party. When used as a verb, refers to the act of making such a promise. For example, under a Surety Bond, the Surety Guarantees the performance or other obligations of the Principal to the Obligee. Sometimes also spelled Guaranty, but only when

used as a noun. Distinct from Warranty.

Guarantor The person or entity who makes a Guarantee. One who becomes secondarily

liable for another's debt or performance.

Guide Specification

A type of Master Specification published by a Manufacturer or Supplier for its own Products and intended to facilitate specifying of those Products in a

Project Manual.

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Harmful Substance

A substance that by its nature, application, or presence creates a danger to the health or safety of a Worker, Facility occupant, or anyone else exposed to

it.

Site

Hazardous Work A Work Site designated as such by applicable Legislation or Regulations due to the presence of a Toxic or Hazardous Substance or other conditions.

Health Product Declaration (HPD)

An open standard that provides a standardized way for Manufacturers to report the Material contents of Building Products, and the health effects associated with these Materials.

Heat Island Effect The experience of higher temperatures in urbanized areas compared to outlying areas due to absorption and subsequent re-emission of solar heat.

Holdback

The retention of Contract monies otherwise payable by the Owner if required by a Contract to ensure the fulfillment of a contractual obligation to remedy Defects or Deficiencies. See Deficiency Holdback.

The retention, as required by applicable Construction Lien or Payment Legislation, of Contract monies otherwise payable by the Owner to those with Lien rights. The percentage holdback amount and conditions for its release vary in each province/territory. See Lien Holdback.

Hold Harmless

A contractual promise to pay, or the act of paying, to another party (an Indemnitee) an amount of money if the Indemnitee suffers loss or Damages. Synonymous with Indemnify/Indemnification.

Implied Warranty A seller's legal obligation arising from provincial/territorial Legislation

requiring that Products must be fit for the purpose for which they are sold.

A contractual promise to pay, or the act of paying, to another party (an Indemnify/

Indemnitee) an amount of money if they suffer loss or Damages. Synonymous Indemnification

with Hold Harmless.

Indemnitee The beneficiary of an Indemnification or Hold Harmless provision in a

Contract.

Indemnity An Agreement between a Principal and a Surety, whereby the Principal

Guarantees to the Surety that the Surety itself will incur no loss by reason of having issued a Surety Bond. This is what distinguishes a Surety Bond from

an Insurance Policy.

Indoor Air The level of contaminated air in an enclosed space.

Indoor Air Quality

Pollution

Agreement

The composition and characteristics of the air in an enclosed space that affect

the occupants of that space.

A type of Standard published by trade associations and other organizations for **Industry** Standard use by the Design and Construction industry for the purpose of establishing

best practices and consistent levels of quality and performance.

In-House Done or existing within an organization, without assistance from outside the

organization. Distinct from Out-Source.

To examine carefully and critically. **Inspect**

To move from storage, place, attach, assemble, erect, apply, integrate, or Install

otherwise incorporate Products into the Work. See also Provide and Supply.

Instructions to

Bidders

The Section of the Bid Documents that specifies the Procurement Authority's

requirements associated with the submission and acceptance of Bids.

Insurance Policy A Contract in which one party (the Insurer) agrees to Indemnify another party

> (the Insured) against loss or Damages resulting from a specified event or peril, in exchange for the Insured paying an amount of money (a premium) to the

Insurer.

CCDC 21 Definition: "The entity (individual or otherwise) whose risk of Insured

financial loss from an insured peril is protected by the insurance policy."

CCDC 21 Definition: "The company providing the insurance coverage." **Insurer**

Delivery

Integrated Project A Project Delivery Method whose primary defining characteristic is a single multi-party Contract entered into by an Owner, Designer, and Builder, with

financial incentives to enhance collaboration among the parties to the

Contract. Typically involves Fast-Tracking.

Issue In the Risk Management context, when an identified or unknown Risk

becomes a reality and has a negative impact on a Project.

CCDC 23 Definition: "... the price for a specific item of work included in a **Itemized Price**

> Bid price that is provided for information purposes only, and will not be used to adjust the scope of the Work and the Bid price. If intended to be used to

adjust the Bid Price it is an alternative Price, not an itemized Price."

Joint Venture

A business arrangement in which two or more parties agree to pool their resources for the purpose of accomplishing a specific task or Project. The venture is its own legal entity, separate from the parties' other business interests.

Labour and Bond

A type of Bond in which the Surety Guarantees to the Obligee (typically an Material Payment Owner) that the Principal (typically a Builder) will pay Subcontractors and Suppliers the monies that the Principal owes to them.

Legislation

Laws, including Acts and Statutes, passed by the federal parliament or a provincial/territorial legislature.

Letter of Acceptance A document issued by the Owner that notifies the Successful Bidder that its Bid has been accepted, either conditionally or unconditionally. If the Bid is unconditionally accepted, a legally binding Contract is created, and the signing of the Agreement becomes a formality. If conditionally accepted, a legally binding Contract is not created until the conditions are met or agreed to by the Bidder, or until the Agreement is signed by both parties. Synonymous with Notice of Award.

Letter of **Assurance** A document that an Authority Having Jurisdiction may require from a Consultant of Record, certifying that a Building has been constructed in compliance with the Building Code, applicable Regulations, and the Construction Documents accepted for Building Permit purposes. May be required as a condition of an Occupancy Permit being issued.

Letter of Intent

Similar to a Letter of Acceptance but communicates only the Owner's *intent* to enter into a Contract with the Successful Bidder, subject to further negotiations or subject to certain conditions being met. A legally binding Contract is not created until the Agreement is signed by the parties. Synonymous with Notice of Award.

Letter of Credit

A document that is essentially a Contract between a bank, the bank's customer, and a beneficiary. It Guarantees performance of the contractual obligations of the bank's customer (typically a Builder, Subcontractor, or Supplier) to the beneficiary (typically an Owner, Builder, or Subcontractor), by allowing the beneficiary to demand payment from the bank, up to the value of the Letter of Credit. May be used in lieu of a Surety Bond where a party is unwilling or unable to provide a Surety Bond.

Liability

The state of being legally accountable, responsible, obligated, or indebted for

something. May apply in financial or legal contexts.

Lien

A claim made, in accordance with applicable provincial or territorial Legislation, against an Owner's real property title by a Builder,

Subcontractor, Sub-subcontractor, Supplier, or other person or entity who

has not been paid for improvements made to that property.

Lien Holdback

The retention, as required by applicable Construction Lien or Payment Legislation, of Contract monies otherwise payable by the Owner to those with Lien rights. The percentage holdback amount and conditions for its release vary in each province/territory. See also Holdback.

Life Cycle

The continuous evolution of a property, which starts as an empty space, becomes a concept, then a Design is constructed into a usable Project, is

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used, then decommissioned and demolished to once again be an empty

property. The evolutionary process then begins again.

Limited A Warranty that is limited by the Warrantor to specified parts, certain types Warranty of Defects or Deficiencies, or is subject to specified conditions or exclusions.

Distinct from Full Warranty.

List of An inventory of those portions or items of the Work remaining to be Completed or corrected and considered to be not performing or not having

been performed.

Litigation The formal legal process by which disputes between or among parties are

resolved through the court system.

Lowest Bid CCDC 23 Definition: "... a Procurement Method by which the Owner

selects a Contractor primarily on the basis of lowest compliant bid price

following a Bid Call."

Lump Sum A contractual payment method whereby a seller agrees to perform the Work

of a Contract, perform Services, or supply Products to a buyer for an amount

stated in the Contract. The seller assumes the risk and reward of the difference between the seller's costs and the Contract Price. Contracts between Owners, Builders, Subcontractors, Sub-subcontractors, and Suppliers, as well as their Bids and Quotations, are commonly but not exclusively Lump Sum (see Unit Price and Cost Plus a Fee). Synonymous with Fixed Price and Stipulated Price in general usage but may also refer to a Contract with a single payment as distinct from one with multiple Progress

Payments.

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A person or entity that makes or produces Products that are delivered to and Manufacturer

incorporated into a Construction Project.

Manufacturer's Warranty

A Warranty, usually a Limited Warranty, provided by a Manufacturer to the

buyer or end user of a Product.

Master **Specification** A model, template, or guide document edited by a Specification Writer or Specifier to create Project specific Specifications (a Project Manual) for a Construction Project. May refer to an individual Section, a group of Sections within a Division, or a complete compendium of MasterFormatTM

Divisions and Sections.

MasterFormatTM A North American Classification system comprised of a list of standardized

> numbers and titles for organizing Specifications, Project Manuals, cost data, Product Data, Operations and Maintenance Manuals, and other Construction

information by Work Results.

Material A primary substance or by-product (e.g. sand, aggregate, cement, plastic,

wood) used to create a larger Component or Product used in a Construction

Project.

Mediation A dispute resolution process in which a neutral Third Party (a Mediator)

works with the disputing parties to assist them in reaching a negotiated

settlement of the dispute.

Mediator The neutral Third Party, agreed by the parties, in a Mediation.

Milestone A significant event in the Project, usually completion of a major deliverable

or Work activity.

Term used to describe a situation where an Owner's property is allowed or Minor Variance

approved for use by the Authority Having Jurisdiction in a way that does not

comply exactly with the requirements of a Zoning By-Law.

Mobilization Initial activation of resources including personnel, Construction Equipment,

and Temporary Work at a Work Site.

Small parts of Work constructed as Temporary Work or to be incorporated Mock-Up

into the Work, to establish a standard of quality before the remaining Work

proceeds.

The capture, analysis and reporting of performance, usually as compared to a Monitoring

Multiple Prime

Refers to when the Work of more than one Prime Contract is being **Contracts**

performed simultaneously in or on the same Work Site. Has significant

contractual consequences with respect to responsibility for Coordination and

health and safety Legislation.

Named Insured CCDC 21 Definition: "The person or party designated in the policy as the

insured, as opposed to someone who may be covered by the policy, but is not

specifically named."

Near-Critical Activity In the context of a Construction Progress Schedule, an activity that has low

total Float.

Negligence Wrongful acts, careless activity, or a failure to act as expected under the

circumstances and resulting in unintended injury to another party.

Negotiation In the context of Alternative Dispute Resolution, the process of the parties

discussing, conferring, and compromising with the intent to reach a mutually

acceptable resolution of a dispute.

In the context of Contract Award, the process of the parties discussing, conferring, and compromising on Contract terms with the intent to enter into

a legally binding Contract.

Non-destructive **Testing**

The examining of Products, Materials, Components, or Assemblies for the purpose of detecting breaks in continuity, imperfections, and other Defects or Deficiencies in a manner that does not damage, destroy or impair the

integrity, usefulness and serviceability of the item being tested.

Notice in Writing

CCDC 2 Definition: "... a written communication between the parties or between them and the Consultant that is transmitted in accordance with the provisions of ... the Agreement ..."

Notice of Award

A document issued by the Owner that notifies the Successful Bidder that its Bid has been accepted, either conditionally or unconditionally. If the Bid is unconditionally accepted, a legally binding Contract is created, and the signing of the Agreement becomes a formality. If conditionally accepted, a legally binding Contract is not created until the conditions are met or agreed to by the Bidder, or until the Agreement is signed by both parties. Synonymous with Letter of Acceptance and Letter of Intent. See also Contract Award.

Notice to Proceed

A written communication issued by an Owner to a Builder authorizing the Builder to begin the Work at the Place of the Work, if a prior Notice of Award, Letter of Acceptance, or Letter of Intent has not provided such authorization.

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Obligee In a Bond issued by a Surety, the party to whom the Surety has an obligation if

the Principal defaults. Usually an Owner, Builder, or sometimes a

Subcontractor.

Occupancy Use or intended use of a Building or part thereof by the Owner, other users, or

the public.

Occupancy Permit A permit issued, usually by a municipality or other Authority Having

Jurisdiction and required as a condition for the Occupancy or Partial Occupancy of a newly constructed, altered, or renovated Building.

Offer A specific proposal clearly communicated to another party with the intent to

enter into a legally binding Contract with the recipient. The recipient can accept, reject, or propose a change (make a counter-offer). To form a legally binding Contract, the Offer must be unconditionally accepted by the recipient.

Operation and Maintenance

Activities related to running a Facility or part thereof, and keeping it in

efficient, long term, working condition.

Operation and Maintenance Manual A document that contains Product Data, operating instructions, maintenance instructions, and servicing requirements for Products, Equipment, and Systems

in a Facility.

Opportunity In the Risk Management context, something unplanned that may occur and

could have a positive impact on a Project.

Outline Specification A document which identifies Project requirements at an early stage of Design and precedes the more detailed Specifications that form part of the Contract

Documents.

Out-Source To engage a person or entity outside one's own organization to perform Work

or provide Goods or services for a Project. Distinct from In-House.

Owner CCDC 2 Definition: "... the person or entity identified as such in the

Agreement."

CCDC 23 Definition: "... the entity that initiates a construction project and is

ultimately responsible for paying for it."

Owner's Statement of Requirements CCDC 14 Definition: "... consists of written requirements and information provided by the Owner and as listed in ... the Agreement ... and amendments

thereto agreed upon between the parties."

Owner Supplied – Contractor Installed Materials, Equipment, and other Products that are Owner purchased and delivered to the Place of the Work or other specified location where the Builder is responsible to take delivery and Install them as part of the Work.

Partial Occupancy Use or Occupancy by the Owner or Facility users of a portion of the Work

prior to Ready-for-Takeover of the entire Work of the Contract.

Partnering

A non-legally binding commitment by the members of a Project Team to create a cooperative Project environment and work together to develop and follow processes that will optimize the successful completion of the Project.

Distinct from Integrated Project Delivery.

Payment Legislation CCDC 2 Definition: "... such legislation in effect at the Place of the Work

which governs payment under construction contracts".

Public-Private Partnership (P3 or PPP)

A Project Delivery Method that involves a formal, collaborative, contractual arrangement between a public sector entity and a private sector entity, typically of a long-term nature. A P3 typically involves a private "special purpose" legal entity that assumes responsibility for some or all of the following: providing land for, financing, designing, constructing, operating, and maintaining a Project, in return for a promised stream of payments directly from the public sector entity or indirectly from Project users over a specified period of time.

Penal Amount

The amount stated in a Bond that is the maximum sum of money to which the Obligee is entitled if the Principal defaults. Limits the Surety's Liability under

the Bond.

Performance Bond

A type of Bond in which the Surety Guarantees to the Obligee (typically an Owner) that the Principal (typically a Builder) will perform its obligations under a Construction Contract.

Performance **Specification**

A type of Specification that states required end results, verifiable as meeting specified criteria, and free of unnecessary process limitations. Distinct from Prescriptive Specification.

Phase

A segment of the sequential process of Design and Construction for the delivery of a Project. For example, Schematic Design, Design Development, Construction Documents, Bidding/Negotiation, Construction, Commissioning, and Operation and Maintenance are typical Stages of a Project, some of which may overlap. Synonymous with Stage.

Phased Construction A segmentation of the Construction process into separate and distinct portions, some of which may overlap, and which may or may not be considered separate Projects.

Place of the Work CCDC 2 Definition: "... the designated site or location of the Work identified in the Contract Documents."

Synonymous with Work Site.

Post-Bid Addendum A document issued by the Procurement Authority after Bid Closing but before Contract Award, that modifies and forms part of the Bid Documents.

Typically used to record one or more Changes in the Work negotiated with a

Bidder after Bid Closing and before Contract Award.

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Post-Consumer Waste

Refers to Materials that are Recycled after they have already served their intended end-use by the consumer. Waste from industrial processes is not

considered Post-Consumer Waste.

Pre-Consumer Waste

Refers to Materials that are Recycled from manufacturing and other industrial processes, and products that have not served their intended end-use by the consumer. For example, Pre-Consumer Waste includes culls, trimmed Materials, overruns, and obsolete inventories.

Preliminary Project Description

A written document intended to accompany Schematic Design Drawings produced in the Schematic Design Phase of a Project, to provide information about proposed Elements, Products, and Systems, levels of quality, and other factors affecting cost not shown graphically. Usually prepared in a standard format based on UniformatTM.

Prescriptive Specification

A type of Specification that prescribes Products, how to Install them, and associated requirements for achieving a desired Work Result. May be a Descriptive Specification, Reference Standard Specification, Proprietary Specification, or combination thereof. Distinct from Performance Specification.

Pre-Qualification CCDC 23 Definition: "... a procurement process by which the Procurement Authority evaluates and selects prospective Bidders to be invited to respond to a Bid Call."

Prime Consultant The Consultant retained by an Owner or Builder to provide Design services for a Project and assume responsibility for retaining Subconsultants, for Coordination of Subconsultant services, and for Coordination of Consultants retained directly by the Owner or Builder.

Prime Contractor The Builder retained by an Owner to provide Construction services for a Project and assume responsibility for retaining Subcontractors and Suppliers and for Coordination of all Work of the Contract.

Prime Contract

The Contract between an Owner and Builder, typically a single Contract but there may be multiple Prime Contracts depending upon the Project and the Project Delivery Method. Distinct from a Subcontract.

Principal

In the context of Surety Bonds, the entity who has a Contract with the Obligee and whose obligations under that Contract are Guaranteed by the Surety.

Privilege Clause

A statement in the Instructions to Bidders for a Bid Call indicating that the recipient of the Bids is not obligated to accept the lowest or any Bid.

Procurement

A process, usually but not always competitive in nature, for the acquisition of Goods and services, including Design related services and Construction, to best meet the needs of the procuring entity in terms of price, quality, quantity, time, and other needs.

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Procurement Authority

CCDC 23 Definition: "... the entity responsible for managing the Bid Call and is either the Owner or an authorized agent of the Owner. The authorized agent may be the Consultant, a project manager retained by the Owner or, under the construction management for services project delivery method, it may be the Construction Manager."

Synonymous with Bid Calling Authority.

Procurement Contract

A Contract with Supplier to Supply Goods or services for a Construction

Project.

Procurement Method

CCDC 23 Definition: "... the means by which the Contractor for the Owner's

Project is selected."

Procurement Requirements

That part of a Project Manual organized in accordance with MasterFormatTM that specifies requirements for preparing and submitting Bids or Proposals for

a Construction Project, including Instructions to Bidders, available

information, Bid Forms, Bid Form Supplements, and Addenda pertaining to

Procurement.

Product CCDC 2 Definition: "... materials, machinery, equipment, and fixtures

forming part of the Work, but does not include Construction Equipment."

Product Data Manufacturer's or Supplier's printed or digital information including

illustrations, references to Standards, schedules, performance charts,

instructions, brochures, diagrams, and other similar information submitted to

the Consultant by a Builder for a particular Product.

Products Includes all Assemblies, Components, Equipment, Materials, and Systems that

form part of the Work of a Construction Project.

Professional Liability Insurance CCDC 21 Definition: "Protects architects and engineers against liability for damages and defense cost due to their alleged or real professional errors and

omissions or mistakes."

Synonymous with Errors and Omissions Insurance.

Progress Payment An incremental payment, usually monthly, of monies owned by the Owner to

the Builder on account of the Contract Price.

Project CCDC 2 Definition: "... the total construction contemplated of which the

Work may be the whole or a part."

Project Budget The maximum amount of money, including contingency amounts, which the

Owner is prepared to spend for Design, Construction, and other ancillary services required to complete the entire Project. See also Construction Budget.

Project Budget is distinct from Construction Budget.

Project Collaboration System An integrated suite of web-based software tools that enable Project stakeholders to create a centrally accessible and secure site for sharing and

tracking information and conducting business functions.

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Project Cost The total cost of a Construction Project including Construction Cost, Design

Fees, specialist Consultant Fees, cost of land, land development charges, rights of way, furnishings, Goods that are Owner Supply – Contractor Install, and all other ancillary costs incurred for a Construction Project. See also

Construction Cost. Project Cost is distinct from Construction Cost.

Project Delivery Method Refers to the structure of various contractual relationships between the Owner, Designer, Builder, and Trade Contractors that determines their respective responsibilities, Risks, and rewards in the execution of a Project from conception to completion. It also determines the sequence and timing of Builder and Designer involvement in a Project.

Project Management The application of knowledge, skills, tools, and techniques to activities required to meet Project requirements. It includes planning, organizing, controlling and coordinating all aspects of a Project from inception to completion.

Project Manager A Project M

A Project Manager is typically responsible for the Project Management of an entire Project on the Owner's behalf. The other primary Project participants (Builders and Designers) typically also apply Project Management techniques to their part in the Project and may have their own Project Managers as well.

Project Manual The written documentation, printed or digital, comprised of Division 00 -

Procurement and Contracting Requirements, Division 01 - General Requirements, and Division 02 to 49 Technical Specifications, which is produced or coordinated by the Prime Consultant, together with the Drawings, to provide all information needed for Bidding/Negotiation, constructing, and completing a Construction Project. Includes Addenda and Contract Modifications after they are produced. Synonymous with Project

Specifications.

Project Specifications

Synonymous with Project Manual.

Project Team A group of individuals working together to deliver a Construction Project.

Team members typically include representatives of the Builder, Designers, and Owner, as well as various Consultants. The leadership and make-up of the Project Team will depend on the Project Delivery Method and will change over the course of the Project as it progresses through its various Phases.

Property Insurance

CCDC 21 Definition: "Covers an insured's property against damage,

destruction, or loss by a covered peril."

Proposal A written, detailed description of services and deliverables from a potential

Builder, Designer, or Consultant so the recipient can compare and choose the provider that best meets its needs. Typically submitted in response to a Request for Proposals (RFP) from an Owner or Procurement Authority. May or may not include Fee information. Does not constitute a legally binding

Offer. Distinct from a Bid.

in the Work

Proposed Change A document prepared by the Consultant that describes and requests pricing from the Builder for a Contract Modification. There is no industry standard term for this document. It may be named and initialized as: Proposed Change (PC), Contemplated Change Notice (CCN), Notice of Change (NC), Proposed Change Notice (PCN), Change Request (CR), or Contemplated Change Order (CCO), all of which are synonymous with Proposed Change in the Work, which is the term used in the CCDC Div. 01 Master Specification.

Proprietary Specification A type of Specification that identifies a Product by a Manufacturer's or Supplier's trade name, type, or model number, etc. May also include other

important prescriptive requirements or characteristics to facilitate

consideration of Substitutions.

Provide The responsibility to both Supply and Install. See also Supply and Install.

Quality Assurance A quality management system of plans, policies, and processes put in place to ensure that Defects or Deficiencies in Products or the Work are prevented or

minimized.

A subset of Quality of Assurance that includes the targeted operational **Quality Control**

techniques and activities, including inspection, measurement, and testing, used

to detect and correct Defects or Deficiencies in Products or the Work.

Ouotation The document submitted by the Builder to the Owner or Consultant in

> response to a Proposed Change in the Work. While there no common industry standard term for this document, the CCDC Div. 01 Master Specification uses

this term.

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Ready-for-Takeover

A project milestone at which the Work of a Construction Contract is deemed to have been substantially completed to a point where it can be taken over by the Owner for occupancy or use. This term was introduced to CCDC contracts to provide a contractual milestone distinct from the legislated milestone of Substantial Performance of the Work.

CCDC 2 Definition: "Ready-for-Takeover shall have been attained when the conditions set out in ... have been met, as verified by the Consultant pursuant to ..."

Record **Documents**

The Record Drawings plus Specifications annotated to indicate Products actually provided, Shop Drawings, Product Data, Operation and Maintenance information, Commissioning reports, and other information useful for long term retention by the Owner.

Record Drawings

Drawings prepared by the Consultant or Builder from information derived from the Contractor's As-Built Documents, usually after completion of Construction, to show what was actually constructed, which may differ from the Contract Documents.

Recovered **Materials**

Waste material and by-products of the Construction process recovered or diverted from the waste stream. Does not refer to waste material or byproducts generated by or used within the original manufacturing process of a Product.

Recycle

The reprocessing and reuse of Recovered Materials as raw Materials in the manufacture of new Products.

Recycled Content The percentage of Pre-Consumer Waste or Post-Consumer Waste contained in a new Product.

Red List

The Living Building Challenge Red List, published by the International Living Future Institute, is a list of chemicals representing the "worst in class" substances prevalent in the Construction industry that pose serious risks to human health and the environment. The Red List is organized by chemical class and lists individual chemicals by Chemical Abstract Registry Number (CASRN). A tool for communicating the need to stop using chemicals that cause harm.

Reference Standard **Specification**

A type of Specification that expressly references and requires compliance with a Consensus Standard, Industry Standard, or Voluntary Standard.

Renewable **Energy**

Energy from a source that is not depleted when used, such as wind, solar, water, forestry, and agriculture.

Registered **Specification** Writer

An RSW is a person certified by CSC and is a contract documentation specialist with a broad knowledge base and strategic insight to strengthen a Design Team and enhance performance throughout an organization. An RSW is a professional who can contribute to keeping a practice more competitive, profitable, efficient and even reduce its liability. An RSW has proven competence through a recognized registration program from CSC.

Construction Specifications Canada (CSC) GLOSSARY OF CONSTRUCTION TERMS

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Regulation A type of law made by a person or entity other than the federal parliament or a

provincial/territorial legislature, which delegates the authority to make such

law as set out in an Act or Statute.

Request for A Builder's formal written query to the Owner or Consultant for clarification

Information (RFI) of the Drawings or Specification, or additional information required by the

Builder which the Builder cannot otherwise reasonably ascertain.

Request for A formal written solicitation for Proposals, usually by an Owner or

Proposals (RFP) Procurement Authority.

Request for A formal written solicitation for information, usually by an Owner or

Qualifications Procurement Authority, about the experience and qualifications of Builders, (RFQ) Consultants, Project Teams, Design Teams, or Construction Teams. The

Consultants, Project Teams, Design Teams, or Construction Teams. The submitted information is evaluated to create a shortlist of invitees to a

subsequent Bid Call or Request for Proposals.

Restoration The process of accurately recovering or recreating the form and details of a

Building of historic significance as it appeared originally or in another period

in time.

Review See General Review.

Reviewer A person performing General Review.

Risk Something unplanned that may occur and could have a negative impact on a

Project.

Risk Management A process or system to identify and mitigate Risk in a Project.

Small scale representations of Products submitted to the Consultant where Samples

appearance (colour, pattern, or texture) or quality are important.

Schedule Refers to a tabular presentation of information, e.g. finish Schedule, door

Schedule, hardware Schedule, Schedule of Prices, Construction Progress

Schedule, etc.

Schedule of Prices When Unit Prices are the method of payment for a Contract, a Schedule

describing items of Work together with the estimated quantity for each item based on a specified measurement unit (e.g. square metre, lineal metre, cubic

metre, hour, day, etc.) and the per unit price for each item.

Schedule of

A breakdown of the cost of the Work aggregating to the total Contract Price. Values

Prepared by the Builder and submitted to the Consultant to facilitate the

Consultant's evaluation of Applications for Payment.

The process of creating a preliminary, conceptual, Design for the Project, **Schematic Design**

upon which a Class C Construction Cost Estimate can be produced.

The range or extent of a Project or of the services or Construction described in Scope

a Contract.

SectionFormatTM A North American industry Standard for organizing information within a

Specification Section into three parts called General, Products, and Execution,

and standardized headings within each part.

Specification

Section

A segment of a Project Manual organized in accordance with MasterFormatTM

that specifies the Work Results for a part of the Work.

CCDC 2 Definition: "... drawings, diagrams, illustrations, schedules, **Shop Drawings**

> performance charts, brochures, Product data, and other data which the Contractor provides to illustrate details of portions of the Work."

Site The land or premises on which a Project is located. See also Work Site.

Specification A document that provides a written description of the qualitative requirements

for Products, their installation, and related requirements in a Construction

Contract.

Specifications CCDC 2 Definition: "... that portion of the Contract Documents, wherever

> located and whenever issued, consisting of the written requirements and standards for Products, systems, workmanship, quality, and the services

necessary for the performance of the Work."

Specification

Writer

A person whose primary occupation involves researching and writing original content for Master Specifications, Project Specifications, and Guide Specifications.

Requires significant knowledge and experience in building science, Construction Products, Construction Documentation, and Contract Administration. May be an employee of a Consultant or an independent specialist Consultant or Subconsultant.

Specifier A person who prepares technical portions of the Specifications for a Project

Manual. Usually an employee of a Consultant or Subconsultant.

GLOSSARY OF CONSTRUCTION TERMS

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Stage A segment of the sequential process of Design and Construction for the

delivery of a Project. For example, Schematic Design, Design Development, Construction Documents, Bidding/Negotiation, Construction, Commissioning, and Operation and Maintenance are typical Stages of a Project, some of which

may overlap. Synonymous with Phase.

Standard A document published by a standards writing organization, an industry

association, or other recognized organization that establishes minimum performance or prescriptive requirements, levels of quality, and test methods for Construction Products, Materials, Components, and Systems, or best practices. See also Consensus Standard, Industry Standard, Reference

Standard, and Voluntary Standard.

Standard Form Contract A document published by a recognized industry organization, e.g. CCDC, RAIC, and intended to be used, largely unmodified, as the basis for Project specific Contracts. Modifications are in the form of Supplementary

Conditions.

Standard Specifications

Specifications published by an Owner with an on-going and largely repetitive Construction program, where the Owner's Projects do not require Project specific editing. Commonly used by municipalities and provincial transportation departments for roads, bridges, and similar type Projects. Distinct from Master Specifications.

Standardization

The development and application of Standards in the pursuit of better, safer, and more efficient methods and Products. Standardization is an essential element of technology, innovation, and trade.

Standards Council of Canada (SCC) A federal crown corporation with the mandate to promote efficient and effective Standardization.

Statute

A law created by elected representatives either in the federal parliament or provincial/territorial legislative assemblies. Synonymous with Act.

Statute of Limitations

A law that limits the time within which a legal action can be brought or rights enforced.

Statutory **Declaration**

A written statement of facts that is signed and declared to be true by the person making it. Commonly required to be submitted by a Prime Contractor with each monthly Application for Payment declaring that Subcontractors and Suppliers have been paid as required by the Contract.

Stipulated Price

A contractual payment method whereby a seller agrees to perform the Work of a Contract, perform Services, or supply Products to a buyer for an amount stated in the Contract. The seller assumes the risk and reward of the seller's costs being different than the Contract Price. Contracts between Owners, Builders, Subcontractors, Sub-subcontractors, and Suppliers, as well as Bids and Quotations, are commonly but not exclusively Stipulated Price (see Unit Price and Cost Plus a Fee). Synonymous with Fixed Price and Lump Sum.

Stipulated Price Contract

A type of Contract under which the method of payment is a Stipulated Price. CCDC 2 is a Stipulated Price Contract.

Subconsultant A Consultant retained by a Prime Consultant.

Subcontract A Contract between a Prime Contractor and a Subcontractor.

Subcontractor CCDC 2 Definition: "... a person or entity having a direct contract with the

Contractor to perform a part or parts of the Work at the Place of the Work."

Sub- A person or entity having a direct contract with a Subcontractor to perform a

subcontractor part or parts of the Work at the Place of the Work.

Submittals Documents and other items required by the Contract Documents to be

submitted by the Builder to the Consultant or Owner during the Construction Phase. For example, Shop Drawings, Samples, Product Data, Mock-ups, As-

Built Drawings, Operation and Maintenance Manuals.

Subrogation CCDC 21 Definition: "Once a company has paid a loss for which someone

other than the policyholder is responsible, it may have the right to recover this

loss from the guilty party. This right is called subrogation."

Substantial Performance of the Work CCDC 2 Definition: "... is as defined in the lien legislation applicable to the

Place of the Work."

Substitution A Product, Manufacturer, or both, not originally specified in the Specifications

by means of a Proprietary Specification, but proposed for use by the Builder in place of the originally specified Product or Manufacturer. The Consultant determines whether the proposed Substitution is an Acceptable Product.

Successful Bidder The Bidder chosen by the Owner or other recipient of Bids for a Contract

Award.

Supplemental Instruction

CCDC 2 Definition: "... an instruction, not involving adjustment in the Contract Price or Contract Time, in the form of Specifications, Drawings, schedules, samples, models or written instructions, consistent with the intent of the Contract Documents. It is to be issued by the Consultant to supplement the Contract Documents as required for the performance of the Work."

Supplementary Conditions

A Section of the Contracting Requirements in the Project Manual that amends the General Conditions of a Standard Form Contract with revisions, additions, or deletions.

or deterions

Supplier A Manufacturer, distributor, wholesaler, or other entity primarily responsible

for the delivery of Products to the Work Site but not their incorporation into

the Work.

CCDC 2 Definition: "... a person or entity having a direct Contract with the

Contractor to supply Products."

Supply The delivery of Products to the Work Site but not their incorporation into the

Work. See also Install and Provide.

Surety The entity that issues a Surety Bond. Synonymous with Bonding Company.

Surety Bond A Contract in which a Third-Party Surety Guarantees the obligations of a

Principal (the provider of the Bond) to an Obligee (the recipient of the Bond).

Synonymous with Bond.

GLOSSARY OF CONSTRUCTION TERMS

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Sustainable **Development** Development that meets the needs of the present without compromising the

ability of future generations to meet their needs.

Sustainable **Project**

A Project that is purposely designed to minimize its Environmental Impact during Construction and for its Life Cycle. Synonymous with Green Project.

Sustainability

The maintenance of ecosystem components and functions for future

generations.

System

Part of a Facility comprised of Components, Equipment, and Products designed and constructed to work together to perform a particular function.

UniFormatTM uses Systems as a basis for its Classification.

Technical Drawing

A precise, detailed, graphic representation used to communicate specific

information about an Assembly, Component, or System.

Technical Representative

An employee or contracted representative of a Supplier who provides technical information and advice on Products to the Design Team or Project

Team.

Technical Specifications The Specification Sections within Divisions 02 to 49 inclusive of

MasterFormatTM.

Temporary Work CCDC 2 Definition: "... temporary supports, structures, facilities, services, and other temporary items, excluding Construction Equipment, required for

the execution of the Work but not incorporated into the Work."

Tender

A term not used by CCDC or CSC in Construction Documentation but sometimes used colloquially. Does not appear in MasterFormatTM. Synonymous with Bid, which is the preferred term.

Third Party

In a two-party Contract, a person or entity other than the two contracting

parties.

Toxic and Hazardous **Substance**

Any Material, waste, chemical, or other Harmful Substance that is deemed to toxic or hazardous under applicable Legislation or Regulations. Referenced as

such in CCDC Contracts.

Trade Contractor The person or entity that provides the skilled services of a particular craft or trade required for a Construction Project. Usually a Subcontractor or Sub-Subcontractor but, under the Construction Management for Services Project Delivery Method, contracts directly with the Owner.

Trust

Most Construction Lien or Payment Legislation requires the Owner to set aside all or part of Lien Holdback monies and hold them in trust for the benefit

of potential Lien claimants.

Not satisfactory to and not approved by a reviewing or other authority in Unacceptable

accordance with defined criteria.

UniformatTM A North American Classification system containing a list of standardized

numbers and titles for organizing Construction information based on

Elements, Systems, and Assemblies rather than Work Results. Typically used

to organize information early in the Design process. Distinct from

MasterFormatTM.

Unit Price A contractual payment method whereby a seller agrees to perform Work for a

buyer based on amounts payable for single units of Work as stated in a Schedule of Prices. The unit prices are then applied to measured quantities of Work actually performed. These quantities are expected to vary from those

originally estimated.

Unit Price Contract

A type of Contract under which the method of payment is Unit Price. CCDC 4

is a Unit Price Contract.

Unnamed Insured CCDC 21 Definition: "A party who is not named in an insurance policy but

who nevertheless is covered by the policy."

Value Added

CCDC 2 Definition: "... such sum as shall be levied upon the Contract Price by the Federal or any Provincial or Territorial Government and is computed as Taxes

a percentage of the Contract Price and includes the Goods and Services Tax, the Quebec Sales Tax, the Harmonized Sales Tax, and any similar tax, the collection and payment of which have been imposed on the *Contractor* by the

tax legislation."

The process of analysing, evaluating, and assessing the initial Construction Value Analysis

Cost and long-term Life Cycle cost of different Design solutions,

Components, Systems, or Products to determine which offers the best overall

value to the Owner. Synonymous with Value Assessment and Value

Engineering.

Value Assessment Synonymous with Value Analysis and Value Engineering.

Value

Synonymous with Value Analysis and Value Assessment.

Engineering

Philosophical and moral beliefs or ideals that govern, or which are intended to Values

govern, how a person or organization acts.

Volatile Organic

Compounds (VOCs)

Chemical gas emissions from solid or liquid materials that may have short or

long-term adverse health effects.

Voluntary A Standard that is generally accepted and used by the Design and

Standard Construction industry but is not enforced by Legislation or Regulations.

Warrantee A person or entity to whom a Warranty is made.

Warrantor A person or entity who gives a Warranty or who is obligated under a

Warranty.

Warranty A contractual provision in which a seller of Goods or Construction services

(Warrantor) is obligated to the buyer (Warrantee) to correct Defects or

Deficiencies that arise within a stated period of time.

Warranty of Title An express or implied contractual promise that a seller owns the item offered

for sale, that the title conveyed is good and its transfer right absolute, and that Goods will be delivered free from any security interest or other Lien or encumbrance. Distinct from a Warranty for Defects or Deficiencies.

Weasel Clause A colloquial term for a statement in a Specification unfairly intended to

require the Builder to perform Work not envisioned or specifically identified in the Specifications or Drawings, or that otherwise attempts to shift Risk to the Builder. Usually means the Specifier was unsure of what to specify or how

to specify it. May also be referred to as an exculpatory clause.

Work CCDC 2 Definition: "... the total construction and related services required by

the Contract Documents."

Work Breakdown Used in Project Management and Construction Progress Schedules to break

Structure (WBS) down the activities required to complete a Project into smaller, more

manageable, deliverable-oriented parts. A hierarchical decomposition of the

total Project Scope.

Work Result The result of the application of a particular trade or skill together with

Construction resources including primarily Products as well as Temporary Work and Construction Equipment, to construct or complete a part of a Project, or its subsequent alteration, maintenance, or demolition. Work Results

are the primary basis of the organizational structure of MasterFormatTM.

Work Site The place or location where the Work of a Construction Project is performed.

Synonymous with Place of the Work.

Working The precise, detailed, graphic representations of the Work which are prepared

Drawings after the Design Development Phase and are essential for Construction to

proceed.

Working Day CCDC 2 Definition: "... a day other than a Saturday, Sunday, statutory

holiday or statutory vacation day that is observed by the construction industry

in the area of the Place of the Work." See also Day.

Workmanship The level of skill, craftsmanship, or quality applied by a worker in executing a

Work Result.

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Zoning By-Laws

Zoning ordinances that establish and regulate the use of land by implementing a municipality's official plan. They coordinate land uses, prevent incompatible uses, and establish appropriate standards for development. Zoning By-Laws establish, for example, permitted uses, how high Buildings can be built, maximum number of residential units allowed, required off-street parking, etc.

END OF DOCUMENT