FCIA - DIIM

Educational Symposium in Ottawa
September 9, 2015
A multi-disciplinary, non-profit association dedicated to the improvement of communication, contract documentation and support for the construction industry
CSC is a National association of approximately 2000 members with Chapters across Canada:

- Vancouver Island
- Vancouver
- Calgary
- Edmonton
- Saskatoon
- Regina
- Winnipeg
- London
- Grand Valley
- Hamilton-Niagara
- Toronto
- Ottawa
- Montreal
- Quebec
- Atlantic
Education and Certification Programs:

- Certified Construction Contract Administrator (CCCA)
- Certified Specification Practitioner (CSP)
- Certified Technical Representative (CTR)
- Registered Specification Writer (RSW)
An Architect is a professional who, through extensive education, comes to know a very little bit about a great many subjects. Through experience, Architects learn less and less about more and more until they know:

**Practically Nothing About Everything**

*Based on CSC Principles of Construction Documentation*
An Engineer is a professional who, through extensive education, comes to know a great deal about a very limited range of topics. Through experience, Engineers learn more and more about less and less until they know:

**Virtually Everything About Nothing**

*Based on CSC Principles of Construction Documentation*
CONSULTANTS - SPECIFIERS

A Specification Writer is an individual who, through intense education and endless professional development, comes to know virtually everything about everything. However, because they work so much with Architects and Engineers, they end up knowing:

Absolutely Nothing About Anything

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PEOPLE IN CONSTRUCTION

- Among most diverse industries
- Constantly evolving
- QA/QC people dependent
- *Ultimate project success people driven*
SPECIFICATION WRITERS

- Specification writer or editor?

- Typical roles:
  - Product resource
  - Constructability
  - Holistic overview
  - Legal understanding
  - Common sense
SPECIFICATION WRITERS

- In-House Specifier:
  - Production team integration
  - Available as required
  - Understands practice
  - Limited exposure to new information
SPECIFICATION WRITERS

Specification Consultant:

- Additional management
- Availability
- Fees
- Broad expertise
- Lesson’s learned from others
- Trust
What specifications **CAN** do:

- Identify process
- Identify minimum quality
- Allocate risk
BASICS OF SPECIFYING

- What specifications **CANNOT** (should not) do:
  - Sole source *
  - Installer qualifications *
  - Subjective results
  - Control of the Work
BASICS OF SPECIFYING

- From CCDC2-2008:
  - “Neither the organization of the Specifications nor the arrangement of Drawings shall control the Contractor in dividing the work among Subcontractors and Suppliers”

  - “The Consultant will not be responsible for and will not have control, charge or supervision of construction means, methods, techniques, sequences, or procedures....”
BASICS OF SPECIFYING

Organizing specification content

Part 1 - Administrative Requirements

Part 2 - Products and accessories

Part 3 - Execution
# Basics of Specifying

## Part 1: General
- **1.1** RELATED REQUIREMENTS
- **1.2** REFERENCES
- **1.3** DEFINITIONS
- **1.4** ACTION AND INFORMATIONAL SUBMITTALS
- **1.5** QUALITY ASSURANCE
- **1.6** DELIVERY, STORAGE AND HANDLING

## Part 2: Products
- **2.1** SUSTAINABLE REQUIREMENTS
- **2.2** MATERIALS

## Part 3: Execution
- **3.1** MANUFACTURER’S INSTRUCTIONS
- **3.2** PREPARATION
- **3.3** INSTALLATION
- **3.4** SPECIAL REQUIREMENTS
- **3.5** SEQUENCES OF OPERATION
- **3.6** FIELD QUALITY CONTROL
- **3.7** CLEANING
- **3.8** SCHEDULE
SPECIFYING METHODS

- Using Section 07 84 00 – Fire Stopping:
  - NMS is a starting point
  - Check how current NMS is

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**Part 1**  
**General**

1.1 RELATED REQUIREMENTS
   .1 Section [____].

1.2 REFERENCES
   .1 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
   .1 Material Safety Data Sheets (MSDS).
   .2 Underwriter's Laboratories of Canada (ULC)
SPECIFYING METHODS

- Using Section 07 84 00 – Fire Stopping:
  - Among least understood Sections
  - Standards in Code as opposed to updates
  - Unique to other sections – Part 1 most important:
    - Applicable Standards
    - Recognized testing agencies / assemblies
    - Submittals
    - Installation quality *
    - Inspection requirements
SPECIFYING METHODS

- Using Section 07 84 00 – **Pros**:  
  - Single reference for all fire stopping  
  - Establish quality parameters:

**GENERAL DESIGN CRITERIA**

.1 All common installations to be by same manufacturer and system (i.e. top of all gypsum wall assemblies, top of all block wall assemblies, similar service penetrations, etc…)

Submit certified testing agency design reports to Chief Building Official as required to satisfy OBC requirements.
SPECIFYING METHODS

- Using Section 07 84 00 – **Cons:**
  - Referencing standards
  - Qualities (F, T, H, L, W)
  - Coordination with other disciplines
  - Lack of knowledge
IMPROVING QUALITY

- FCIA initiatives and education
- Industry support
- Understanding available tools (UL/ULC directories)
- Collaborative specification requirements
Questions?