



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

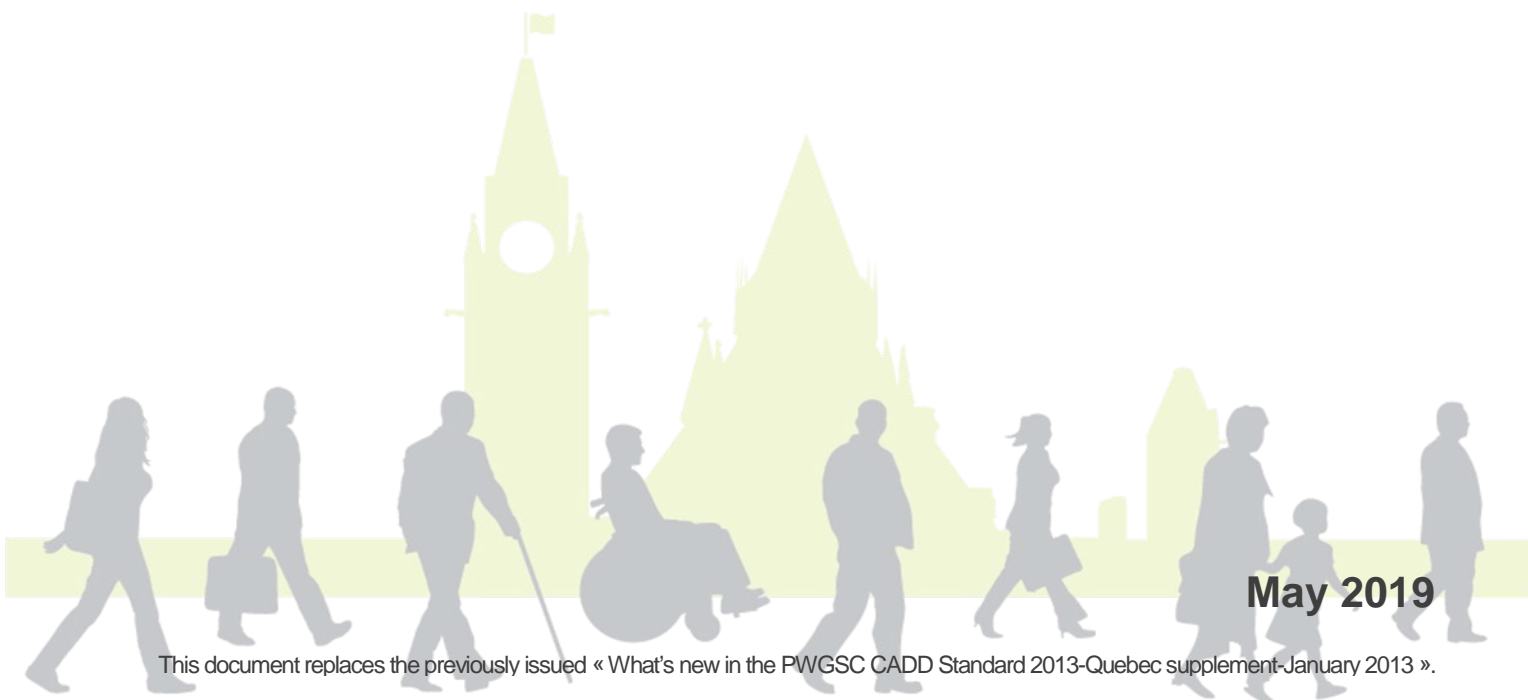
Canada



Serving
GOVERNMENT,
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CANADIANS.

PSPC – Quebec region

What's new in the PSPC CADD Standard – Quebec Region?



May 2019

This document replaces the previously issued « What's new in the PWGSC CADD Standard 2013-Quebec supplement-January 2013 ».

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What's New in the PSPC CADD Standard for Quebec Region?

Following the revision of the National CADD Standard in November 2017, the document titled “PWGSC CADD Standards 2013 - Quebec Supplement - January 2013” is replaced by the updated document “PSPC CADD Standard - Quebec Supplement - May 2019”.

The main updates are described below.

1. Page layout

The title page, as well as the headers and footers, were refreshed to match the new watermark of the department.

The title of the department was changed for “Public Services and Procurement Canada (PSPC)” (in place of the previous “Public Works and Governmental Services Canada (PWGSC)”) in the title page, as well as in any point in the document where it is mentioned.

2. Section 1.0 – Introduction

The hyperlinks to the National and Quebec region CADD email addresses were updated.

3. Section 2.4.1 – File Delivery

For the Quebec region, an FTP website may be used to electronically transfer files if and only if its use was first approved by a representative of the department.

4. Section 3.2.5 – Colour Assignment Standard: Layer Colours and Pen Weights

A regional standard regarding pen weights (printed lines thickness) was added. For more details, please consult the addendum at section 3.2.5 in the Regional CADD Standard document.

Quebec Region pen and colour assignment table was moved to Annex C – Pen and color assignment table.

5. Section 3.4.2 – Text Height

The existing 1.8mm text height (added previously by the region of Quebec) was replaced with the following text heights: 1.0mm; 1.5mm; 2.0mm.

6. Section 3.7.2 – Information in Title Blocks

The sample image of the title block was updated to reflect the changes made to the title block template (see « [What's New in the AutoCAD Template?](#) » for more information).

It is now allowed by the CADD Standard regional supplement to use single reference callouts (a callout bubble segmented in two sections instead of three), more information is found at the new section 3.7.4. – Reference Callouts in the Regional CADD Standard document.

7. Section 4.0 – Drawing File Naming Conventions

The discipline fields for saving file names were updated to be in accordance with those found in the “EN_Doing Business PWGSC_Addendum-QC” document.

The following discipline fields were added:

AP	Landscaping
F	Facilities Area Measurement
MP	Industrial Mechanical Process
SA	Food Services
SS	Electronic Security, Intrusion Detection, Access Control and Video-Surveillance
TI	Information Technology

Additionally, for multidisciplinary plan sets, the plans for each discipline should be organized following this order:

1. Civil
2. Landscaping
3. Architecture
4. Structure
5. Mechanical
6. Electrical Systems
7. Information Technology
8. Electronic Security, Intrusion Detection, Access Control and Video-Surveillance

8. Section 4.2 – Layout Tab Naming Convention (Previously Section 3.7.4)

Previously, CAD drawing layout tabs had to be named after the full file name (ex. : R_123456_001-E01-LE-PLN). The 2019 CADD Regional Standard now asks to identify layout tabs by the corresponding sheet number.

9. Annex F – Definitions (Previously Annex E)

The values defining the status of a plan were updated, “Preliminary” becomes “Issued as Preliminary” and “In progress” becomes “Issued for Advancement” with the following percentages: 33%, 66%, 99%, 100% or 50%, 99%, 100%.

10. Layer naming convention

One major change is the addition of “Facilities Area Measurement (F)” layers. The name convention of certain other layers was revised as well.

All modifications to layer naming conventions can be found in the following tables :

[Table 1 – List of New Layers](#)

[Table 2 – List of Renamed or Deleted Layers](#)

[Table 3 – List of New Abbreviations](#)

11. Annexes and sections

The annexes were reorganized to correspond the order of annexes found in the National Standard.

Section numbering was also revised.

The changes can be found in the following tables:

[Table 4 – List of Modified or Moved Annexes](#)

[Table 5 – List of Modified or Moved Sections](#)

List of Modifications


Table 1 – List of New Layers

Note: In the following table, the new subdivisions are framed, the primary layers are underlined, and the supplementary layers are in gray. The supplementary layers allow information to be represented more precisely. However, it is also acceptable to use only the primary layer.

New Layers	
Layer name	Description
Architecture	
A-DT-025	Line weight 0.25
A-GL-CNT	Construction zone boundary
Civil Engineering, Site Design and Landscape Architecture	
C-RW-BUF	Buffer, stop, bumper
C-SF-RCK	Rock outcrops, boulders, glacial
Facilities Area Measurement	
F-BA	Building Amenities
F-BA-OLN	Building amenities polylines
F-BA-HAT	Building amenities solid hatch
F-BS	Building Services
F-BS-OLN	Building services polylines
F-BS-HAT	Building services solid hatch
F-CI	Circulation
F-CI-OLN	Base building circulation – Office buildings BOMA 2010 B only (Inventory drawings)
F-CI-PRI	Primary Circulation – Office Buildings only
F-CI-HAT	Circulation solid hatch – Office Buildings only
F-FS	Floor Services
F-FS-OLN	Floor services polylines
F-FS-HAT	Floor services solid hatch
F-GA	Gross Area
F-GA-INT	Gross Area to dominant portion polyline – Office Buildings
F-GA-EXT	Exterior Gross area – Retail and Industrial Buildings
F-GA-LEA	Gross Leasable Area – Retail Buildings only
F-OA	Occupant Area - Office and Industrial Buildings
F-OA-OLN	Occupant area polylines (Inventory Drawings)
F-OA-001, 002...	Occupant Usable area polyline by locations – Industrial Buildings (Occupancy drawings)
F-OA-OFF-001, 002...	Occupant usable area polylines by locations – Office Buildings (Occupancy drawings)
F-OA-HAT	Occupant / Occupant usable area solid hatch
F-OA-OVH	Restricted Headroom (6.5'-0"/2m) polylines
F-OA-OVH-HAT	Restricted Headroom solid hatch

F-OS	Occupant Storage – Office Buildings Only
F-OS-OLN	Occupant storage polylines (Inventory drawings)
F-OS-001, 002...	Occupant storage polylines by locations (Occupancy drawings)
F-OS-HAT	Occupant storage solid hatch
F-PK	Parking – Office Buildings Only
F-PK-INT	Interior parking (Inventory drawings)
F-PK-INT-001, 002...	Interior parking by locations (Occupancy drawings)
F-PK-HAT	Parking solid hatch
F-VO	Voids – Office Buildings Only
F-VO-OLN	Voids (atriums) polylines
F-VO-HAT	Voids solid hatch
F-VP	Vertical Penetration
F-VP-OLN	Major vertical penetration polylines
F-VP-HAT	Major vertical penetration solid hatch
General Information	
G-GL-KEY	Key plan
G-GL-KEY-CNT	Key plan, Construction zone boundary
G-TB	Table
G-TB-TXT	Text in the table
G-TB-LIN	Frames and lines forming the table
H-MP	Industrial Mechanical Process
H-MP-...	To create layers corresponding to the needs of the project, refer to Annex B, section “Single Layer Field and First Layer Name Extension”.
Interior Design	
I-EQ-TVS	Wall mounted television screen
I-FU-SCR	White boards, frames, bulletin boards, and other wall mounted fixtures
I-FU-GEN	All of the interior furnishings
I-SY-PED	Pedestal
Marine Works	
M-SN-LDL	Lead lines
M-SN-PRB	Probe depth
M-SN-SPT-DES	Survey point description
M-WF-MAT	Rock mattress, granular base
M-DG	Dredging, excavation, grubbing
M-DG-HAT	Hatching
M-DG-TOE	Toe of dredge or excavation area or limit
M-DG-TOP	Top of dredge or excavation side slope
M-SR	Scour Protection
M-SR-GAB	Gabions
M-SR-RRP	Rip rap

Table 2 – List of Renamed or Deleted Layers

 Note: To update layer names according to the new version of the standard, several options are available depending on a drawing's requirements.

Renamed or Deleted Layers		
Previous name	New name	Description
Architecture		
A-FU-MIL	Changed description	Millwork : shelf, counter top, cupboard, etc.
Civil Engineering, Site Design and Landscape Architecture		
C-RO-STR	C-RO-ABU	Bridge abutments, piers, trestles, and supports
C-RW-STR	Deleted	Bridge abutments, piers, trestles and supports
General Information		
G-GL-SYM	Changed description	Symbols, north arrow , bar scale
Marine Works		
M-CQ-SEM	Changed description	Footings, mattresses , deck substructures
M-WF-FND	Changed description	Fenders, fender piles, sheathing
M-WF-PIL	Changed description	Piles and bents Bearing piles, batter piles

Table 3 – List of New Abbreviations

New Abbreviations			
Groups			
Abbrev.	Description	Abbrev.	Description
DG	Dredging, excavation, grubbing	MP	Industrial Mechanical Process
DM	Demolition	PI	Piping
FI	Finish	TB	Table
FS	Food services	TI	Information Technology
Extensions			
Abbrev.	Description	Abbrev.	Description
ACE	Accessibility	MOD	Modified
BUF	Buffer, stop, bumper	PNL	Door panels, leaves
JMB	Door jamb, casework	PRB	Probe depth
KEY	Key plan	SWG	Door swing or path
LDL	Lead lines	TBL	Tableau
LST	Legal site plan	TVS	Television screen
MAT	Wharf mattress, granular base		

Table 4 – List of Modified or Moved Annexes

Added or Moved Annexes		
Added Annexes		
Number	Contents	
Annex C	Pen and Colour Assignment Table	
Moved Annexes		
Previous No	New No	Contents
Annex C	Annex E	Glossary
Que. Annex E	Que. Annex F	Que. Definitions

Table 5 – List of Modified or Moved Sections

Added or Moved Sections		
Added Sections		
Number	Contents	
Que. 3.7.4	Que. Reference Callouts	
Moved Sections		
Previous No	New No	Contents
Que. 3.7.4	Que. 4.2	Que. Layout Tab Naming Convention

What's New in the AutoCAD Template?

The AutoCAD drawing template that is typically provided with the CADD Standard document was updated to reflect current draftsman needs.


The main changes are listed below.

1. Plot Style Table (.ctb)

The previous "TPSGC-QUE.ctb" plot style table was renamed for "PSPC-QUE-01-Color.ctb". Its associated pen and color assignment table remained unchanged, where colors 32 to 252 and 254 print in color.

Three more pen and color assignment tables were added. The first is labeled "PSPC-QUE-02-Black.ctb" and can be used for printing in black, grey and white. The two other tables are labeled "PSPC-QUE-03-Thin lines.ctb" and "SPAC-QUE-04-Thin Lines Black.ctb", and can be used for printing AutoCAD layouts created in Tabloid and Letter formats, either in color or in black, grey and white. The two latter tables have the same color assignments as the two first, but with lighter pen weights.

For more details on pen and color assignment for each table, refer to *Annex C* in the Quebec Region CADD Standard.

 **Note:** To be able to use the provided pen and color assignment files (".ctb"), type "STYLESMANAGER" in the AutoCAD command bar, then press "enter". A new window will open at the location where AutoCAD accesses all ".ctb" files. Copy the three ".ctb" files provided with the regional CADD standard at this location. In some cases, it might be necessary to restart AutoCAD so that the new pen and color assignment tables can appear in AutoCAD and be used.

2. Styles (texts, dimensions, leaders)

Verdana, Arial, Arial Narrow, txt and romans text fonts were added to the template.

An annotative dimension style was added.

Leader styles were added, as well as an annotative leader.

3. Titles, Scales and Reference Callouts

Reference callouts with single or double references were added. Visibility states allow to choose from a single reference callout bubble, to a detail callout, a section callout or an elevation callout.

Similarly, title callouts with single and double references were also added in replacement of the previous title callouts. Again, visibility states allow to choose from simply a title, to a title with a detail callout, a section callout or an elevation callout. The block also allows to choose from an English only, French only, or bilingual title callout.

The graphic scale bloc was updated. Visibility states allow to choose from a variety of commonly used drawing scales or to create a custom one.

4. Layers

Layers naming convention and description was updated to reflect changes made to the standard. For more information, please refer to tables 1 to 4 of the present document.

5. Title Blocks

Vertical “Tabloid” sized and a horizontal “Letter” sized title blocs were added.

Title bloc text height was revised according to the updated standard.


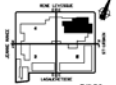




The following information was removed from the title block:

- Dedicated fields for archiving purposes (such as the file number field, and the two fields located on each edges of the title block);
- Name of tender field;
- File number field (that is, the drawing number with the file extension “.dwg”; however the drawing number field is still present in the updated title block);
- Automatic field for the date, located on the left edge of the title block;
- Automatic field for the file location, also located on the left edge of the title block.

The following information was added to the title block:


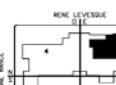







- Text identifying the purpose of certain spaces purposely left blank in the title block, such as those dedicated to key plans and consultant information (the text is on the G-CT-MET layer and therefore will not be plotted);
- A space dedicated to disclaimers, such as “This document is for reference purposes only [...]”. The default version of the A0, A1, A2 and B1 title blocks includes the most commonly used disclaimers.
- Bilingual attributes were added to the “description” column of the “revisions” section;
- Two additional revision slots were added to the A0, A1 and B1 title blocks;
- Date format was standardized to a “DD.MM.YYYY” format;
- A sample of a single reference callout (callout bubble divided in two sections instead of three) was added to the dedicated space;
- A consultant project number field;
- An automatic field for the drawing number (the drawing number is generated from the AutoCAD file name, since by the regional CADD standard both should be the same);
- An automatic field for the sheet number (the sheet number is generated from the AutoCAD layout name, since by the regional CADD standard both should be the same).

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A0 PSPC Title Block
Quebec Region 2013

AutoCAD

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A0 PSPC Title Block
Quebec Region 2019

6. Blocks of Attributes

When creating a set of plans, a title block must be placed as a reference (“xref”) on each drawing sheet in AutoCAD, since it contains information common to all plans of the same discipline in the set. However, some information in the title block remains specific to each drawing sheet, such as the subtitle, revisions and the page number. For this reason, an AutoCAD block containing only those attributes was created, so that it can be edited separately and then be placed on top of the referenced title block on each drawing sheet.

7. Front Page Title Blocks

Front page title block templates were created in the following formats: A0, A1, B1, A2, Tabloid landscape, Tabloid portrait. They may now be used when creating sets of plans. For more information,

8. PWGSC Watermark

Even though the department name and watermark were changed from *Public Works and Governmental Services Canada* (PWGSC) to *Public Services and Procurement Canada* (PSPC), until it is otherwise stated by the national PSPC department, only PWGSC title blocks must be used for all contractual documents.