

# Infrastructure Ontario CAD Standards and Guidelines v8.0 Revision Summary List of Sections and Contents



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

Aug 8<sup>th</sup>, 2022  
Version 8.0

## Revision Summary

Document Revision	Date	Summary of Changes
1.0.0	September 9, 2004	Draft Version
1.0.1	September 29, 2004	Final Version
1.0.2	December 23, 2004	Signage/Detail Drawings
1.0.3	March 31, 2005	Contact Revisions
2.0.0	December 15, 2005	AutoCAD 2005 & 2006 Compliant & Documentation reorganization
3.0.0	August 10, 2007	Autodesk 2007 and 2008 Compliance, and redesign of application
4.0.0	March 10, 2010	Autodesk 2009 and 2010 Compliance
6.0.0	April 4 <sup>th</sup> , 2016	Autodesk AutoCAD based application 2014 and 2015 support. Additional Real Estate Layers added. Windows 7, 8.1, and 8.1 Professional support.
7.0.0	August 15 <sup>th</sup> , 2018	Update to the new AutoCAD plug-in
8.0.0	August 8 <sup>th</sup> , 2022	<p>Passing audit reports produced by the tool are now considered a conditional pass as a new manual audit will be performed by the IO Auditor after the submission of the drawings, to ensure all standards have been met. This manual audit will be the determining factor if the project as-built record submission receives a pass or fail. The manual audit will include items that aren't able to be checked by the tool. Example, layer usage (ex. Full height wall lines/objects to be on layer A-WALL-FULL).</p> <p>The audit tool will now verify the following title block information;</p> <ul style="list-style-type: none"> <li>• IO Project numbers (7 or 8 characters only)</li> <li>• Building and site number and building address (verifies and updates as needed)</li> <li>• Verify use of correct title block version</li> <li>• Verification of the file name to include it being in Title case not UPPER CASE</li> </ul> <p>Tool updates include</p> <ul style="list-style-type: none"> <li>• Renamed passing tool audit report to conditional pass</li> <li>• Generation of a single failing pdf report (previous versions would not)</li> <li>• Updated user guide documentation</li> <li>• Updated title blocks to include a floor field and ministry PSIF field</li> <li>• Cancel button added</li> <li>• Updated Autodesk 2022 to 2026 Compliance</li> <li>• Removed MS access requirements</li> <li>• 4 Year license agreement and Tech support</li> <li>• AutoCAD Lite and Microsoft station are not supported</li> </ul>

## List of Sections and Contents

1. Introduction
  - 1.1. Introduction to IO CAD Standards
  - 1.2. IO CAD Standard
  - 1.3. Minimum CAD Standards Compliance for Submission Acceptance
  - 1.4. Terminology
2. Copyright and Licensing Agreement
3. Contact Information
  - 3.1. Infrastructure Ontario Support
  - 3.2. Application Support
4. IO CAD Standards and Guidelines
  - 4.1. File Format Standard
  - 4.2. Layer Naming Standard
  - 4.3. Use of IO Titleblocks
  - 4.4. Use of External References
  - 4.5. File Naming Policy
  - 4.6. Layout Tab Policy
  - 4.7. Exploding of Dimensions, Text and Blocks
  - 4.8. As-Built Record CAD Drawing Submission Process and Final Audit
5. IO CAD Standards Application User Guide
  - 5.1. System Requirements and downloading
  - 5.2. Installation
  - 5.3. Application Overview
6. U.S. National CAD Standards Model Review
  - 6.1. Introduction
  - 6.2. Layer Standard Syntax & Compliant Layer Name Codes
  - 6.3. Linetype Library Standards
7. Complete IO Layer Name List
  - 7.1. Introduction
  - 7.2. Architectural Layers
  - 7.3. Civil Layers
  - 7.4. Electrical Layers
  - 7.5. Equipment Layers
  - 7.6. Fire Protection Layers
  - 7.7. General Layers
  - 7.8. Geotechnical Layers
  - 7.9. Hazardous Materials Layers
  - 7.10. Interiors Layers
  - 7.11. Landscape Layers
  - 7.12. Mechanical Layers
  - 7.13. Plumbing Layers
  - 7.14. Real Estate Layers
  - 7.15. Structural Layers
  - 7.16. Survey Mapping Layer
  - 7.17. Telecommunications Layers
  - 7.18. Status Extensions Layers

# Section 1: Introduction

## Infrastructure Ontario

### CAD Standards and Guidelines



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

*August 8<sup>th</sup>, 2022*  
Version 8.0

**Contents**

1.1 Introduction to IO CAD Standards ..... 3

1.2. IO CAD Standard ..... 3

1.3. Minimum CAD Standards Compliance for Submission Acceptance ..... 3

1.4. Terminology..... 4

## 1.1 Introduction to IO CAD Standards

The following document has been designed as a framework for applying standardization to digital Computer Aided Drafting (CAD) drawing files used by the various disciplines throughout Infrastructure Ontario (IO). This document applies to files prepared in accordance with the CAD convention supported by Infrastructure Ontario.

<https://www.infrastructureontario.ca/CAD-Standards/>

Standards allow for conformity of digital data from various sources and support efforts to manage and exchange that data between internal staff, external consultants and service providers. Appropriate CAD layer structuring also facilitates future Facilities Management, Survey/GIS applications and other automated land information initiatives for Infrastructure Ontario.

To facilitate the use of CAD standards by consultants and the submission of drawing data that conform to standards, IO has provided a series of document sections that detail “CAD Standards and Guidelines”, which are required and recommended guidelines outlined by IO. Other sections in this document detail the custom built “Applications” that can be installed and used by consultants to streamline the implementation of the IO Standards and/or the translation of existing consultant standards to acceptable IO Standards.

This document details the CAD standard that is currently adopted by Infrastructure Ontario for the purposes of submitting digital CAD documents. They are as follows:

### 1.2. IO CAD Standard

This Standard has been designed based on a model developed by the U.S. National CAD Standard (NCS) ([www.nationalcadstandard.org](http://www.nationalcadstandard.org)) and the American Institute of Architects ([www.aia.org](http://www.aia.org)) for use in AutoCAD. The supporting application provided (IO CAD Standards Application) involves customization of the AutoCAD environment to allow users to navigate standard layers, symbols and linetypes for drawing creation and quality control.

#### IO CAD Standards Guidelines

- apply to design/construction drawings

#### IO CAD Standards Application for Design/Construction

- tool designed to be loaded into AutoCAD v. 2016 to 2026 to assist consultants in delivering CAD drawings in accordance with the IO CAD Standard
- includes tools to translate layers to the IO Layering Standards by manually or batch processing multiple drawings and run conformance report
- includes verification of building and site number and address

### 1.3. Minimum CAD Standards Compliance for Submission Acceptance

The minimum CAD Standards that must be followed for preliminary submission acceptance are included in Section 4:

- 4.1 File Format Standard
- 4.2 Layer Naming Standard
- 4.3 Use of IO Titleblocks
- 4.4 Use of External References
- 4.5 File Naming Policy
- 4.6 Layout Tab Policy
- 4.7 Exploding of Dimension, Text and Blocks
- 4.8 As-built Record CAD Drawing Submission Process

The above listed items will be strictly adhered to by all consultants and sub-consultants to ensure data quality control and indexing. If consultants or sub-consultants cannot comply with these minimum requirements then they shall notify the IO project manager prior to data submission.

For other CAD Standards, details regarding “presentation styles” are considered guidelines and will NOT be monitored or enforced by IO. These may include:

- text styles
- linetype styles
- dimension styles
- layer colours
- symbols (blocks)

**Note:**

- Do not submit drawings where the blocks, dimension or text have been exploded.
- All furniture, mechanical and electrical symbols displayed on submitted drawing shall be blocks.
- All block entities shall be formatted on layer 0.
- All block element linetypes and colours are to be formatted “ByBlock”

#### 1.4. Terminology

The following abbreviated terms may be used throughout this document.

Term	Description
AIA	American Institute of Architects
As-built Record Drawing	All drawings prepared by the consultant as it constructs the project and upon which it documents the actual locations of the building components and changes to the original contract documents. These, or a copy of same, are typically turned over to the architect or client at the completion of the project.
AutoCAD	Autodesk, Inc Software
CAD	Computer Aided Design / Drafting
Consultant	Data Providers contracted by IO. Where this document refers to the “Consultant”, any requirements made to the consultant also implies that the sub-consultant is bound to the same standards and requirements.
DGN	MicroStation Drawing Format
Documents	non-Vector based support data
Drawings	Vector based design Data
DWF	AutoCAD Design Web Format
DWG	AutoCAD Drawing File Format
DXF	Drawing Interchange Format
IO	Infrastructure Ontario
IOSTD	IO CAD Standards Application
MicroStation	Bentley Software

Model Drawing	AutoCAD Drawings used to create concept, design or as-built representations of the project site. AutoCAD Entities found in Model Space are drawn with a 1:1 Scale
Model Space	Design information found in Model Space or Tilemode = 1.
NCS	National CAD Standard
Paper Space	One or More Layouts can be created in Paper Space or Tilemode = 0.
PDF	Adobe Reader File Format
PLT	AutoCAD HPGL/2 Plot File
RVT	Autodesk Revit File Format
Sheet Drawing	AutoCAD Drawings used for the purposes of Plotting. Will contain one or more Paper Space “Layouts” which represent parts of the Model Drawing(s) using Paper Space Viewports. Paper Space Views will control scaling of Model space designs as required.
Sub-Consultant	Data Providers contracted by Consultants. Consultants will ensure that all data submitted from their contracted consultants meet the minimum IO CAD Standards.
XREF Drawing	Reference Drawing Attached or Overlaid. Model Drawing types only.



## Section 2: Copyright and Licensing Infrastructure Ontario CAD Standards and Guidelines



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

August 8<sup>th</sup>, 2022  
Version 8.0

## License Agreement for IO CAD Standards Application (IOSTD)

Copyright Infrastructure Ontario, 2022 All Rights Reserved

PLEASE READ THIS LICENSE AGREEMENT CAREFULLY BEFORE DOWNLOADING, INSTALLING OR USING THE SOFTWARE PRODUCTS. THIS IS A LEGAL AGREEMENT BETWEEN INFRASTRUCTURE ONTARIO (THE "LICENSOR") AND YOU THE END-USER INDIVIDUAL OR ENTITY (THE "LICENSEE"), FOR THE USE OF, OR ACCESS TO, THE LICENSOR'S SOFTWARE PRODUCTS OR PUBLICATIONS, WHICH INCLUDES THE CAD STANDARDS.

BY CLICKING ON THE "I ACCEPT" BUTTON, DOWNLOADING, INSTALLING OR USING THE SOFTWARE PRODUCTS, YOU HEREBY AGREE TO BE BOUND BY THE FOLLOWING TERMS OF THIS LICENSE AGREEMENT (THE "AGREEMENT"). THIS LICENSE AGREEMENT REPRESENTS THE ENTIRE AGREEMENT BETWEEN THE LICENSEE AND THE LICENSOR CONCERNING THE USE OF THE SOFTWARE PRODUCTS AND IT SUPERSEDES ANY PRIOR WRITTEN OR ORAL PROPOSAL, REPRESENTATION, AGREEMENT OR UNDERSTANDING BETWEEN THE PARTIES.

IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, DO NOT INSTALL OR USE THE SOFTWARE PRODUCTS, INSTEAD, CLICK THE "I DO NOT ACCEPT" BUTTON AND THE SOFTWARE INSTALLATION PROCESS WILL NOT OCCUR.

### **Software Products**

For the purposes of this Agreement, "Software Products" means the software, data and printed materials, online or electronic documentation which facilitate the implementation of the IO CAD Standards and all updates and amendments thereto. As the authorized end-user of the Software Products, Licensee agrees to treat the Software Products like any other copyrighted material.

### **Grant of License**

Licensor hereby grants to Licensee a non-exclusive and non-transferable license to use the Software Products solely and exclusively for Licensor's Projects, or for any other purpose approved by Licensor, installed in a single location on a hard disk or other storage device of up to the number of computers owned or leased by the Licensee, or provided the Software Products are configured for network use, installed on a single file server for use on a single local area.

The Licensee agrees to abide by all the terms and conditions set out in this Agreement as consideration for the nonexclusive right to use the Licensor's Software Products.

Licensee may not transfer, sell, or sub-license the Software Products to any third party, in whole or in part, in any form, whether modified or unmodified. The Software Products may not be changed, modified, decompiled, reverse engineered or disassembled in any way except by the Licensor. The Licensor reserves the right to modify, change revise and improve the Software Products as it sees fit without any further or other notice to Licensee.

Possession of the Software Products and compliance with the terms of this Agreement shall not entitle the Licensee to any upgrades or improvements or new versions of the Software Products, or any Software Products support, maintenance or help-desk assistance of any kind, unless agreed to in writing by the Licensor.

This license may, at the time of delivery, be subject to other limitations as the Licensor may require, acting reasonably, including limitations on duration, usage, network usage, and installation on particular CPUs.

### **Copies**

Licensee may make copies of the Software Products in whole or in part, in executable code form as necessary for use by Licensee and for backup or archive purposes. Each component of the Software Products is copyrighted by Licensor. Licensee agrees to reproduce and apply the copyright notice and proprietary notice of Licensor to all copies made hereunder, in whole or in part and in any form, of the Software Products.

### **Ownership**

The original and any copies of the Software Product, made by Licensee or anyone on its behalf, including translations, compilations, partial copies, are and shall remain the property of Licensor, notwithstanding the Licensee's possession or use of the Software Products, including any related copyright, trademark or patent rights and including any upgrades, fixes, changes, enhancements or derivative versions of the original product made by the Licensee or the Licensor or anyone on the Licensee's behalf.

**Proprietary Rights**

Licensee recognizes that Licensor regards the Software Products as its proprietary and confidential information. Licensee agrees not to provide or to otherwise make available in any form the Software Products, or any portion thereof, to any person other than employees of Licensee without the prior written consent of Licensor. Licensee further agrees to treat the Software Products with at least the same degree of care with which Licensee treats its own confidential information and in no event with less care than is reasonably required to protect the confidentiality of the Software Products.

**Term**

The license granted hereunder shall continue unless and until terminated pursuant to the termination section of this Agreement and subject to Licensee's proper performance of its obligations hereunder.

**Termination**

Licensor may terminate this Agreement if Licensee is in default of any of the terms and conditions of this Agreement and fails to correct such default within ten (10) working days after receiving written notice thereof from Licensor.

In the event of termination, Licensee will immediately discontinue use of the Software Products. Within one (1) month after termination of this Agreement, Licensee will provide written confirmation to Licensor that through its best effort and to the best of its knowledge, the original and all copies, in whole or in part and in any form, of the Software Products have been destroyed. The provisions outlined in the Ownership, Proprietary Rights, Termination, Warranty Disclaimer, and Limitation of Liability sections of this Agreement shall survive any termination of this Agreement.

**Maintenance Support**

Possession of the Software Products, and/or compliance with this Agreement shall not entitle the Licensee to any upgrades or improvements or new versions of the Software Products. Any maintenance and product support inquiries to be directed as identified on the IO CAD Standards webpage < <https://www.infrastructureontario.ca/CAD-Standards/>> See section 3.

**Warranty Disclaimer**

The Software Products are provided "as is" without warranty of any kind, express or implied. FOR GREATER CERTAINTY, LICENSOR PROVIDES NO WARRANTIES AS TO THE FUNCTION OR USE OF THE SOFTWARE PRODUCTS, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PRODUCT IS WITH LICENSEE. LICENSOR DOES NOT WARRANT THAT THE FUNCTIONS CONTAINED IN THE PRODUCT WILL MEET LICENSEE'S REQUIREMENTS OR THAT THE OPERATION OF THE PRODUCT WILL BE UNINTERRUPTED OR ERROR FREE

**Limitation of Liability**

Under no circumstances shall Her Majesty the Queen in Right of Ontario, Infrastructure Ontario and or their respective agents and employees be liable to Licensee or any other person, for any direct, indirect, incidental, consequential, special or punitive damages arising from the access, download, installation and/or use of the Software Products in whole or in part.

**Notices**

All notices in connection with this Agreement shall be in writing and may be given by registered mail, or personally delivered at the business address of the parties. For the purposes of this Agreement, a notice shall be deemed effective upon personal delivery to a party or if by mail, five days after being mailed.

**Successors**

This Agreement will be binding upon and will inure to the benefit of the parties hereto and their respective representatives, successors and assigns except as otherwise provided herein.

**Severability**

In the event any provision of this Agreement is determined to be invalid or unenforceable, the remainder of this Agreement shall remain in force as if such provision were not a part.

**Governing Law**

This Agreement shall be governed and interpreted by the laws of the Province of Ontario and the applicable federal laws of Canada.

**Assignment**

This Agreement and the licenses granted by it may not be assigned, sublicensed, or otherwise transferred by Licensee without the prior written consent of Licensor.

### © Copyright for IO CAD Standards Documentation

Copyright Infrastructure Ontario, 2022 All Rights Reserved

By opening the packaging for or using any of the publications to in which this License has been inserted or to which this License is attached ("Property"), you hereby agree to be bound by and to abide with the terms and conditions of this License.

The Property is owned exclusively by Infrastructure Ontario ("Licensor") and will remain Licensor's exclusive property, notwithstanding your possession or use of the Property, including any related copyright, trademark or patent rights and including any upgrades, fixes, changes, enhancements or derivative versions of the original product made by you or the Licensor or anyone on your behalf.

The Property may not be reproduced in any form, by any method, for any purpose.

The Property may not be changed, modified, decompiled, reverse engineered or disassembled in any way except by the Licensor.

Notwithstanding the foregoing, the Licensor warrants and represents that the Property will perform in accordance with the Licensor published specifications delivered at the time the Property is delivered, and that your possession and use of the Property will not infringe the copyrights, trademarks, patents or other intellectual property rights of any person.

The Licensor reserves the right to modify, change revise and improve the Property as it sees fit without any further or other notice to you.

### © Copyright for U.S. National CAD Standards Layering Standard

Copyright U.S. National Institute of Building Systems, 2004 All Rights Reserved

The Layering Standards listed in Section 6 of this document were extracted in part from the U.S. National CAD Standards ("NCS") v2.0 publication, which is Copyright protected by the U.S. National Institute of Building Sciences ("NIBS").

The Linetypes Library listed in Section 6 of this document were created by IO and are Copyright protected under the IO CAD Standards Application License Agreement.

The Linetypes Standard listed in Section 6 of this document have been extracted in part from the U.S. National CAD Standards ("NCS") v2.0 publication, which is Copyright protected by the U.S. National Institute of Building Sciences ("NIBS").

Infrastructure Ontario ("IO") has the permission of NIBS to adopt the NCS Layers, Linetypes and Symbols portion of the NCS publication. IO also has permission to develop tools to implement and audit data files based on the published NCS Publication. All licenses and copyrights herein by IO are NOT intended to infringe on the existing NIBS Copyrights of the NCS. For more information about NIBS go to [www.nibs.org](http://www.nibs.org) or to purchase the complete NCS Publication go to [www.nationalcadstandard.org](http://www.nationalcadstandard.org). To learn more about the symbols used in this standard go to the Construction Specifications Institute at [www.csinet.org](http://www.csinet.org).

# Section 3: Contact Information Infrastructure Ontario CAD Standards and Guidelines



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

August 8<sup>th</sup>, 2022  
Version 8.0

## Contact Information

### 3.1 Infrastructure Ontario Support

For IO CAD Standard and Guidelines support : [IORecordDrawingSubmissions@cbre.com](mailto:IORecordDrawingSubmissions@cbre.com)

### 3.2 Application Support

For application support:

Category	Name	Telephone	Email
<b>SolidCAD Application support</b>			
National Team Leader, Data Management & Software Development	Ryan Small	1.877.438.2231 ext 110	<a href="mailto:Ryan.Small@solidcad.ca">Ryan.Small@solidcad.ca</a>
Software Developer	Mostafa Ali	1.877.438.2231 ext 130	<a href="mailto:Mostafa.Ali@solidcad.ca">Mostafa.Ali@solidcad.ca</a>

# Section 4: Infrastructure Ontario CAD Standards and Guidelines



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

August 8<sup>th</sup>, 2022  
Version 8.0

## Contents

4.1 File Format Standard .....	3
Drawing Data Format Requirements .....	3
Document Data Format Requirements.....	3
4.2 Layer Naming Standard .....	4
Level 1 Designation Code.....	4
Major and Minor Codes.....	5
Status Code.....	5
4.3 Use of IO Titleblocks .....	5
4.4 Use of External References.....	6
4.5 File Naming Policy .....	6
4.6 Layout Tab Policy .....	7
4.7 Exploding of Dimensions, Text and Blocks.....	7
4.8 As-Built Record CAD Drawing Submission Process and Final Audit .....	8
Drawing Cleanup and Quality .....	8
Using IO Tools for Drawing Quality Audit and Data Submission.....	8
IO Submission Requirements of As-built Record Drawings .....	8
Passing and Failing Audits of As-built Record Drawings .....	8



## 4.1 File Format Standard

### Drawing Data Format Requirements

The following AutoCAD drawing (DWG file extension) formats will be accepted by IO:

- AutoCAD 2016 or higher is accepted

Drawings from the following applications can be submitted if correctly converted to an AutoCAD drawing file. Ex. AEC proxy objects are not allowed in the converted drawing. Revit offers a conversion tool and the remaining Autodesk AEC platforms have a regular “save as AutoCAD” feature. If AEC proxy objects are submitted the drawings will be rejected.

*Object Based Platforms may include:*

- Autodesk Revit
- Autodesk AEC Objects from:
  - Autodesk Map
  - Autodesk Map 3D
  - Autodesk Land Desktop
  - Autodesk Civil Design
  - Autodesk Civil 3D
  - Autodesk Architectural Desktop

Note: Autodesk AutoCAD LT or Microsoft station is not supported or accepted.

### Document Data Format Requirements

All non-vector-based data or “Document” data will require standard file format extensions compatible with Microsoft Office including:

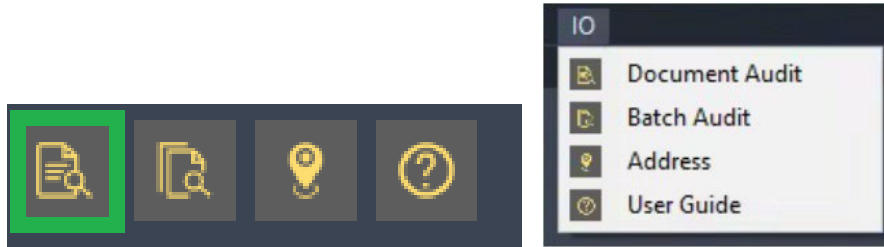
- Word – DOC, DOCX
- Excel – XLS, XLSX
- Access – MDB, ACCDB, Dbase - DBF
- PowerPoint – PPT, PPTX
- HTML 5 supported browsers

Adobe PDF Format – PDFs of the AutoCAD project as-built drawings must be submitted along with the AutoCAD files, see section 4.8. PDF drawings will not be accepted without the submission of the AutoCAD files.

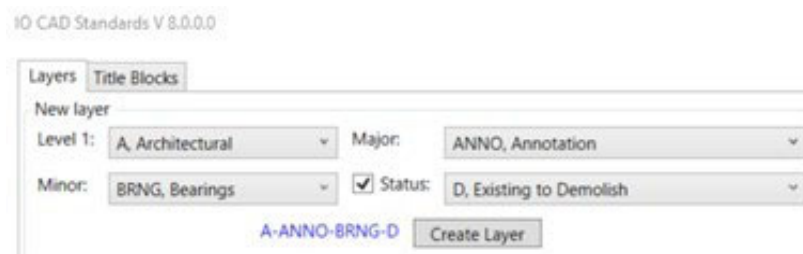
## 4.2 Layering Naming Standard

**NOTE: A MANUAL AUDIT OF LAYER USAGE WILL BE PERFORMED AFTER SUBMISSION OF THE AUTOCAD FILES AND WILL BE THE DETERMINING FACTOR IN PASSING THE COMPLETE AUDIT. SEE SECTION 4.8**

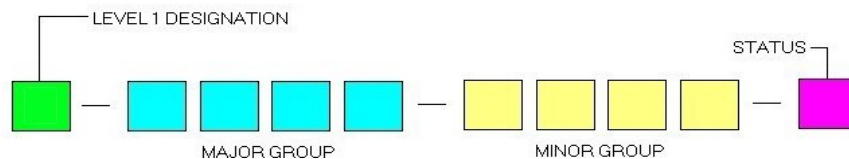
This software allows a user to create and or modify the layer names used in a drawing, by selecting the first icon from the IO ribbon or the document audit selection from the pulldown menu.



The layer and title blocks dialogue box will appear. The layer naming convention is based on the AIA/NCS standard. On the Layers Tab, use the pull down menus to choose each designation, then select create layer. For title blocks see section 4.3.



The minimum layer name shall be at least **X-XXXX-XXXX** to be accepted. Ex. A-WALL-FULL  
National CAD Standard Layer Name Format



### **Level 1 Designation Code**

The Level 1 Designation code is selected from the pull down menu. Examples listed below.

- Architectural
- Civil
- Electrical
- Equipment
- Fire Protection
- General
- Geotechnical
- Hazardous Materials
- Interiors
- Landscape
- Mechanical
- Plumbing
- Real-estate
- Structural
- Survey Mapping
- Telecommunications

New layer

Level 1: A, Architectural

Major: ANNO, Annotation

Minor: BRNG, Bearings

Status:

A-ANNO-BRNG

Create Layer

### Major and Minor Codes

The standard Major and Minor designations for each Level 1 designation will be added to the layer name by using the pulldown menus for the Major and Minor group codes.

New layer

Level 1: A, Architectural

Major: ANNO, Annotation

Minor: BRNG, Bearings

Status:

A-ANNO-BRNG

Create Layer

### Status Code

For additional clarity a suffix can be added to the layer name, by using the status pull down menu. The status suffix can clarify the following;

- “N” New work
- “E” Existing to remain
- “D” Existing to demolish
- “F” Future work
- “T” Temporary work
- “M” Items to be moved
- “X” Not in contract
- Phase numbers “1 thru 20”

New layer

Level 1: A, Architectural

Major: ANNO, Annotation

Minor: BRNG, Bearings

Status: D, Existing to Demolish

A-ANNO-BRNG-D

Create Layer

## 4.3 Use of IO Title Blocks

The IO title block sheets are used as paperspace layout title blocks and include the IO logo. They are mandatory to be used and are accessed via the IO CAD Standards Tab Layout. When the IO title block sheet is used, consultants must populate the title block attributes with applicable and required information such as the IO project number ( 7 or 8 characters), site (NXXXXX) and building numbers (BXXXXX), dates etc. The revision dates must be kept up to date in all IO Title block sheets and follow the numbering convention of YYYYMMDD. This convention is used for all date fields within the title blocks (Revision column, substantial completion date and project start date). If not used the audit reporting will fail.

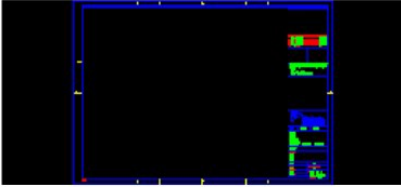
Note: The IO title blocks must NEVER be exploded, scaled, renamed, movement the insertion point or have their attributes changed except to populate them. The Title Block is to be inserted in Paper Space with the bottom left corner at 0,0. Presentation style shall not be revised or edited as outlined in the copyright section 2 of this document.

Select the required titleblock (size and units ) then select insert.

IO CAD Standards

Title Blocks
Layers

BlockName	Description	Units
ANSI_A_I_IO	ANSI A Imperial Title block 8.5 x 11	Imperial
ANSI_B_I_IO	ANSI B Imperial Title block 11 x 17	Imperial
ANSI_C_I_IO	ANSI C Imperial Title block 17 x 22	Imperial
ANSI_D_I_IO	ANSI D Imperial Title block 22 x 34	Imperial
ANSI_E_I_IO	ANSI E Imperial Title block 34 x 44	Imperial
ISO_A4_I_IO	ISO A4 Imperial Title block 8.3 x 11.7	Imperial
ISO_A3_I_IO	ISO A3 Imperial Title block 11.7 x 16.5	Imperial
ISO_A2_I_IO	ISO A2 Imperial Title block 16.5 x 23.4	Imperial
ISO_A1_I_IO	ISO A1 Imperial Title block 23.4 x 33.1	Imperial
ISO_A0_I_IO	ISO A0 Imperial Title block 33.1 x 46.8	Imperial
ARCH_A_I_IO	Architectural A Imperial Title block 9 x 12	Imperial
ARCH_B_I_IO	Architectural B Imperial Title block 12 x 18	Imperial
ARCH_C_I_IO	Architectural C Imperial Title block 18 x 24	Imperial
ARCH_D_I_IO	Architectural D Imperial Title block 24 x 36	Imperial
ARCH_E_I_IO	Architectural E Imperial Title block 36 x 48	Imperial
ANSI_A_M_IO	ANSI A Metric Title block 216 x 279	Metric
ANSI_B_M_IO	ANSI B Metric Title block 279 x 432	Metric
ANSI_C_M_IO	ANSI C Metric Title block 432 x 559	Metric
ANSI_D_M_IO	ANSI D Metric Title block 559 x 864	Metric
ANSI_E_M_IO	ANSI E Metric Title block 864 x 1118	Metric
ISO_A4_M_IO	ISO A4 Metric Title block 210 x 297	Metric
ISO_A3_M_IO	ISO A3 Metric Title block 297 x 420	Metric
ISO_A2_M_IO	ISO A2 Metric Title block 420 x 594	Metric
ISO_A1_M_IO	ISO A1 Metric Title block 594 x 841	Metric
ISO_A0_M_IO	ISO A0 Metric Title block 841 x 1189	Metric
ARCH_A_M_IO	Architectural A Metric Title block 229 x 305	Metric
ARCH_B_M_IO	Architectural B Metric Title block 305 x 457	Metric
ARCH_C_M_IO	Architectural C Metric Title block 457 x 610	Metric



#### 4.4 Use of External References

Drawings with external references not bound will not be accepted by IO. All external reference must be bound using the “Insert” bind type option. After binding the external reference, it is recommended to EXPLODE the Xref block and PURGE the drawing. Before running the layer audit report, please ensure you bound each x-ref following the above recommendations to ensure the report will pass.

#### 4.5 File Naming Policy

The basic filename convention for ALL drawings and documents is primarily keyed off the Substantial Performance Date, the IO project number, a drawing number and a drawing description. The drawing description field will be open to consultants but must avoid non-standard characters. File names are to be in sentence case not upper case. The objective of a file naming policy is to be able to receive data from any type of consultant and based on the filename alone, IO staff should be able to visually identify the following data immediately:

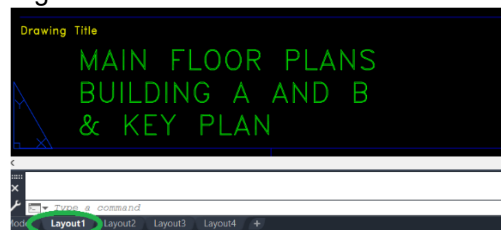
**File naming Syntax for all drawings and/or documents:**

Filename	Description
Substantial Performance Date	Substantial Performance Date using YYYYMMDD format.
IO Project ID	Designated by IO prior to request to submit data.
Drawing Number	Drawing number using “Sheet” prefix followed by a consecutive number using “XXX” format. i.e., 001
Drawing Title	Drawing Title, ensure to include all used drawing title fields .

Substation Performance Date IO Project Number Drawing Number Drawing Title.dwg  
<YYYYMMDD>space<7/8 characters>space<Titleblock Drawing Number>space<Drawing Titles>.dwg

Example file name: 20150421 10312144 A01 Cover Sheet.dwg (Sentence case only)

When the drawing file includes multiple layouts, the file name is be based on the first drawing layout tabs drawing title.

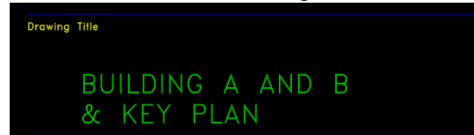


If all three fields of the drawing title is used then all three fields data is to be in the file name.  
If the first field of the drawing title is left blank, the titleblock will fail the audit.

Passing file name: 20150421 10312144 A01 Main Floor Plans Building A and B & Key Plan.dwg



Failing file name: 20150421 10312144 A01 Building A and B & Key Plan.dwg



#### 4.6 Layout Tab Policy

Each drawing file shall include only one title block layout per named tab. Multiple layouts on one tab will not be accept. Move to other tabs if required.

#### 4.7 Exploding of Dimensions, Text and Blocks

To ensure data quality drawings with exploded dimensions, text or blocks will not be accepted. These items will be audited along with the layer usage by the IO auditor after submission.

## 4.8 As-built Record CAD Drawing Submission Process and Final Audit

### Drawing Cleanup and Quality Control

Prior to submission, the following drawing cleanup and quality checks must be performed:

- Drawings must be purged of unused layers, blocks, linetypes, Mlinetypes, text styles, dimension styles, shapes, plot styles etc.
- Turn on and thaw all layers in model space.
- Presentation of design is done in Sheet Drawings using standard layer control or layout viewport layer control.
- Layer filters must be deleted.
- AEC Objects converted and reduced to standard AutoCAD drawing objects.
- All redundant items/information in model space that does not pertain to the paper space layouts are to be deleted.
- Perform a 'layer walk' to ensure that the layer usage is correct. Ensure all objects are on the correct layer and no objects appear on layer '0' zero. Ex. Full height interior partitions belong on layer A-WALL-FULL. See section 7 for layer annex for all layers and their usage.

### Using IO Tools for Drawing Quality Audit and Data Submission

The use of the tool will allow users to:

- Run a preliminary audit report of a current open drawing
- Run preliminary batch audit reporting for 2 or more drawings
- Perform a layer translation on a current open drawing
- Save a current layer state as a layer translation excel file
- Load a previously saved layer state translation excel file
- Run the address verification tool to ensure building address, number and site number are correct

For More information about the use of these tools please refer to “Section 5: IO CAD Standards Application User Guide”

### IO Submission requirements for As-built Record Drawings

- All as-built records projects must be submitted by the PMSP and not through any (sub) consultant. If submitted by the consultant the drawings will not be processed.
- All CAD as-built record drawings, any referenced images in the drawings, preliminary conditional passing audit reports, along with pdf copies of all the as-built records drawings are to be submitted to IO auditor at; IORecordDrawingSubmissions@cbre.com
- The email subject heading must reference the IO project number and the ministry PSIF number that the drawings are submitted for. Submit each project in separate emails. The substantial complete date and project manager name must also be provided in the email submission
- If the total size of attachments exceeds 20 MB, the drawings for a project should be compressed (Zipped) and uploaded to an FTP Server to <https://cbftp.cbre.com/>

### Official Passing and Failing of As-built Record Drawings

After the as-built records drawings are submitted, a manual audit of layer usage and exploded items will be performed by the IO auditor will be the determining factor in passing the complete audit. A passing result for layer usage is 95%, if not reached the drawings and instructions will be sent back for updating. The PMSP/PLMSP are to return the failing drawings and reports to the consultant for revisions. The PMSP/PLMSP will resubmit the revised drawings within 2 weeks (10 business days) of receiving the failed audit reports. The IO auditor will also run the IO CAD Standards audit tool to ensure the passing of the preliminary audit, if however the drawings fail then they will be sent back for updating.

A project audit officially passes only when the IO Auditor has completed a passing manual audit along with the audit tool producing a passing audit. The IO Auditor will email the PMSP/PMLSP with the final passing audit reports and the drawings.  
The manual audit will look at the following items;



## **AS-BUILT RECORD DRAWING AUDIT REPORT**

**Drawing Name :**

**Date:**

**Audit Result:** FAILED/PASSED

### **CONSULTANT REMINDERS**

ALL DISCIPLINES OTHER THAN ARCHITECTURAL MAY USE LAYER A-FLOR-OTLN OR A-WALL-FULL FOR THE ARCHITECTURAL AND KEY PLANS. DETAILS FOR ANY DISCIPLINE MAY USE THE ARCHITECTURAL SERIES OF DETAIL LAYERS. SEE SECTION 7 OF THE IO CAD STANDARDS AND GUIDELINES

### **AUDIT QUESTIONS:**

1. CONDITIONAL PASSING AUDIT FORMS WERE SUBMITTED AND VERIFIED; FAILED/PASSED
2. DRAWING IS PURGED AND NULL OBJECTS DELETED; FAILED/PASSED
3. ALL XREFS ARE BOUND; FAILED/PASSED
4. RASTER IMAGES REFERENCED IN THE DRAWING HAVE BEEN PROVIDED; FAILED/PASSED
5. DIMENSIONS, LEADERS, TEXT AND BLOCKS. EXPLODED DIMENSIONS, LEADERS, TEXT AND BLOCKS ARE NOT ACCEPTED. FAILED/PASSED
6. LAYER WALK RESULTS [XXX]% THE DRAWING MUST SCORE 95% ON LAYER USAGE TO BE ACCEPTED. SEE BELOW FOR DETAILED RESULTS. FAILED/PASSED

### **LAYER WALK (sample results)**

[5 LAYERS]

0	OK
A-ANNO-DIMS	OK
A-ANNO-TEXT	OK
A-AREA-IDEN-1	OK
A-WALL-WALL	MOVE TOILET BLOCKS TO LAYER A-FLOR-SPCL

4 of 5 correct layer usage result is only 80%, this drawing would be sent back for updating as per the instructions provided.

# Section 5: Infrastructure Ontario CAD Standards Application User Guide



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

August 8<sup>th</sup>, 2022  
Version 8.0



## Contents

5.1 System Requirements and downloading .....	3
5.2 Installation .....	3
5.3 Application Overview.....	3
Document Audit.....	4
Batch Audit .....	5
Address Verification.....	6
User Guide .....	8
Title block Tab.....	8
Layer Mapping.....	9

### 5.1 System Requirements

The IO CAD Standards and Guidelines and tool webpage for downloading:

<https://www.infrastructureontario.ca/CAD-Standards/>

The IO CAD Standards Application requires the following minimum system and platform requirements:

- Windows 7, 8.1, or 10
- AutoCAD 2016 and newer
- Adobe Reader 5.0 or greater
- Minimum hardware specifications required to run AutoCAD: 200 megabytes of hard drive space

**Note: This application WILL NOT load or run using AutoCAD LT or MicroStation software.**

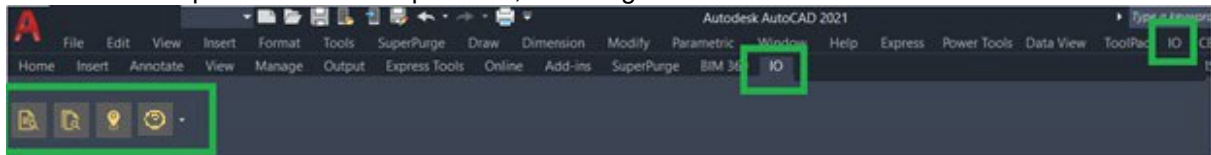
### 5.2. Installation

Double click the **IO.Standards.Installer\_v8.0.0.msi** file that was downloaded and registered from the IO Cad standards website (<https://www.infrastructureontario.ca/CAD-Standards/>) and follow the instructions: Agree to the license agreement and click install, see image below.



### 5.3 Application Overview

An IO ribbon and pull down menu is provided, see images below.



*IO Ribbon and Pulldown menu*



*IO Pulldown Menu*

The IO ribbon and pull down menu contains;

- The 1st icon/menu selection is the single document audit tool. The single document audit tool is used to audit the current open drawing.
- The 2nd icon/menu selection is the batch audit tool. The batch audit tool audits all open drawings or a set of selected drawings.
- The 3rd icon/menu selection is the address verification tool. The address tool will verify if the site number, building number and address are correct. If not it will update the information in the title block.
- For help download this user guide using the 4th icon or choose the the User Guide from the pull down menu



### Document Audit (Single)

On the IO CAD standards dialogue box select scan; each rule will indicate the audit status: Blue (Indeterminate), Green (Passed), Red (Failed). See images below. The file naming convention for the conditional passing audit reports to be the cad file name with Audit at the end.

Ex. 20220605 1087365 A01 Cover Page Audit.pdf

IO CAD Standards V 8.0.0.0

Layers Title Blocks

New layer

Level 1: A, Architectural Major: ANNO, Annotation

Minor: BRNG, Bearings Status:

A-ANNO-BRNG Create Layer

Layer Name	Status	On	Frozen	Locked	Destination Layer	Set to IO
0	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Defpoints	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
I-ANNO-NPLT	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
G-TTLB-TEXT	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
G-TTLB-OTLN	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-ANNO-DIMS	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
S-WALL-PATT-E	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-DOOR-FULL-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
I-FURN-FREE-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-WALL-FULL-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-FLOR-CASE-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-DOOR-FULL-E	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-WALL-FULL-E	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
S-COLS-CONC-E	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-AREA-PATT-X	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A-FLOR-LABL	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
I-FURN-STOR-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
I-FURN-WKSF-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
I-FURN-SEAT-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
I-EOPM-FIXT-N	Pass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Import Layers Export Layers Scan Layers Update Names Purge

File (Indeterminate) Layers (Indeterminate) Layouts (Indeterminate) External references (Indeterminate)

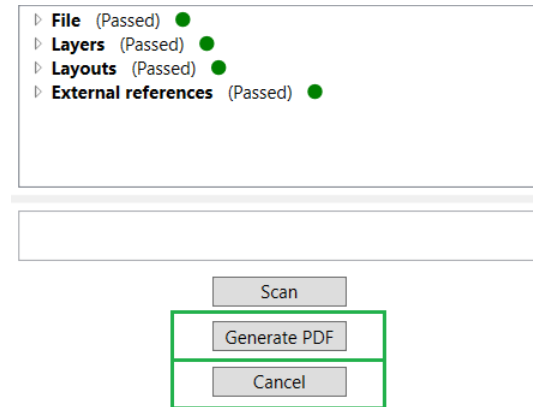
Run to see error list

Scan Generate PDF Cancel



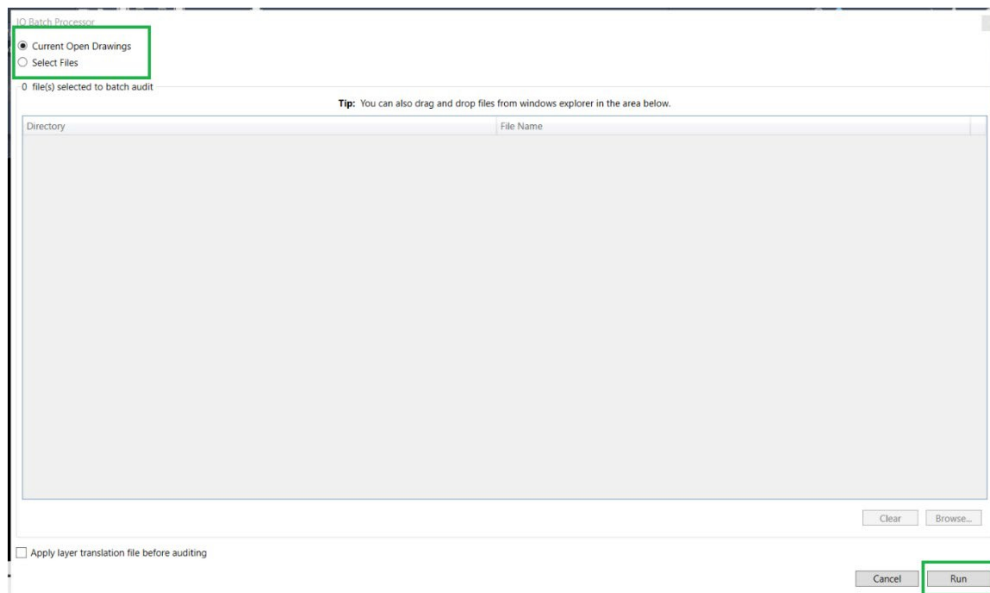
If there are issues to be fixed the top right hand corner displays which rules need addressing along with a message below describing the errors.

Select generate pdf to print the failing or conditional passing report. A cancel button is also available.



### Batch Audit

On the IO batch processor dialogue box select either the 'Current Open Drawings' or 'Select files' option to select the drawings to be audited. Select run to perform the batch audit. Audit reports for each drawing will be produced in PDF. The file naming convention for the conditional passing audit reports to be the cad file name with Audit at the end. Ex. 20220605 1087365 A01 Cover Page Audit.pdf



The audit reports will detail any issues that require fixing. Update the drawings using this report until a conditional passing audit report can be produced. As stated previously a manual audit of layer usage will be performed after submission by IO and only if the layer usage passes does the project manager receive a passing audit report from the IO auditor.



## IO Drawing Audit Report

### SUMMARY

Date: 8/12/2022  
Drawing: A21-01-IO - Ground Floor Plan.dwg

**Failed**

### FILE

Check that dwg file name follows IO standards.

Errors:

1. The drawing file name doesn't match 'YYYYMMDD [Project ID] [Drawing Number] [Drawing Title].dwg' pattern. Expected name is '2019047 A2101 GROUND FLOOR PLAN'

### LAYERS

Check that dwg layers naming follows IO standards.

Errors:

1. 'A-WALL' doesn't match the minimum layer name standard of X-XXXX-XXXX.
2. 'A-WALL' can't be found in the DB.
3. 'A-DOOR' doesn't match the minimum layer name standard of X-XXXX-XXXX.
4. 'A-DOOR' can't be found in the DB.
5. 'A-FLOR' doesn't match the minimum layer name standard of X-XXXX-XXXX.
6. 'A-FLOR' can't be found in the DB.
7. 'A-AREA' doesn't match the minimum layer name standard of X-XXXX-XXXX.
8. 'A-AREA' can't be found in the DB.
9. 'A-DETL' doesn't match the minimum layer name standard of X-XXXX-XXXX.
10. 'A-DETL' can't be found in the DB.
11. 'A-COLS' doesn't match the minimum layer name standard of X-XXXX-XXXX.
12. 'A-COLS' can't be found in the DB.
13. 'A-ROOF' doesn't match the minimum layer name standard of X-XXXX-XXXX.
14. 'A-ROOF' can't be found in the DB.
15. 'A-EQPM' doesn't match the minimum layer name standard of X-XXXX-XXXX.
16. 'A-EQPM' can't be found in the DB.
17. 'A-FURN' doesn't match the minimum layer name standard of X-XXXX-XXXX.
18. 'A-FURN' can't be found in the DB.
19. 'G-TTLB' doesn't match the minimum layer name standard of X-XXXX-XXXX.
20. 'G-TTLB' can't be found in the DB.

### LAYOUTS

Check layouts title blocks.

Errors:

1. Layout1: All dates must be 8 characters (yyyyMMdd). Current value is 2017-09-07

## IO Drawing Audit Report

### SUMMARY

Date: 8/12/2022  
Drawing: 20180917 1051979 A0621 Furniture.dwg

**Conditional  
passing**

### FILE

- Check that dwg file name follows IO standards.
- **File Name:** File name complies with naming standards.

### LAYERS

- Check that dwg layers naming follows IO standards.
- **Layer Name:** All layers comply with naming standards.
  - **Layer DB:** All layers' names can be found in standard database.
  - **Layer Purge:** All empty layers have been purged.

### LAYOUTS

- Check layouts title blocks.
- **Title blocks:** All layouts have title blocks at 0,0.
  - **Attributes:** All title blocks attributes are filled.

### Title Block Items

#### IO Title blocks found in Paper Space

- 1) ARCH\_D\_M\_IO [inserted at (0.00,0.00,0.00)]  
Key attributes to be reviewed or populated:  
Client: MINISTRY OF INTERNATIONAL TRADE  
Project: MINISTRY OF INTERNATIONAL TRADE  
IO Project Number: 1051979  
Location: 18TH & 21ST FLOORS, TORONTO, ON  
Site: sssss  
Building: bassss  
Scale: 1/8" = 1'-0"  
Date: 20180918

### Address Verification



The address verification tool verifies the address of the building by using the site and building numbers. If incorrect the information will update in the title block. To ensure the current data is loaded select sync. Enter in the site and building number and select ok, to verify and or correct the address. See images below.

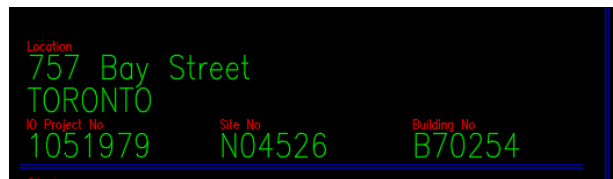
The current database is updated on 9/7/2022 12:16:50 PM

Site Number: N04526

Building Number: B70254

Buttons: Sync, Cancel, OK

Ex. Incorrect address in title block before verification:



EX. Updated address in title block after verification



### User Guide

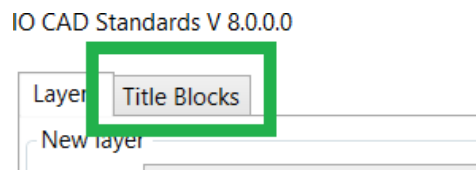


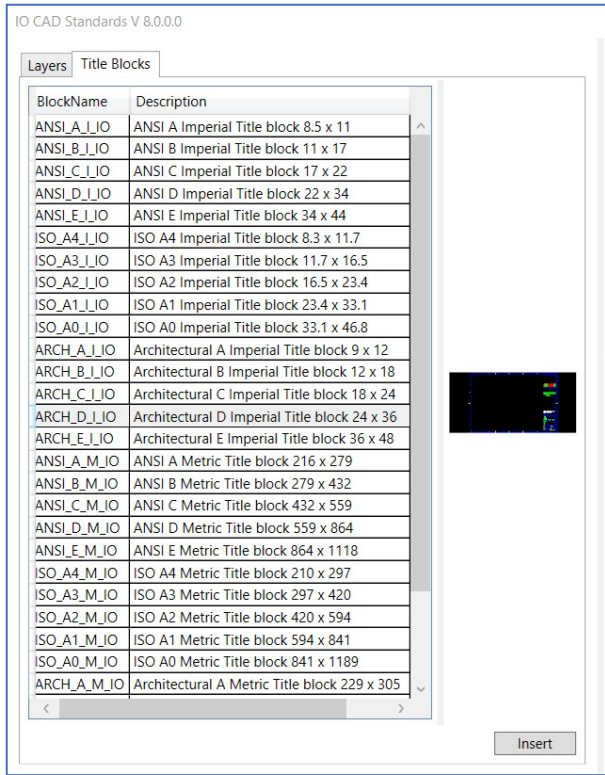
Select the user guide to download this complete IO CAD Standards and guidelines

### Title Blocks Tab



To insert an IO title block, run the document audit tool and switch tabs to Title blocks, see image below.





The title block tab provides all accepted IO title blocks in imperial and metric. Choose the desired title block and select insert.

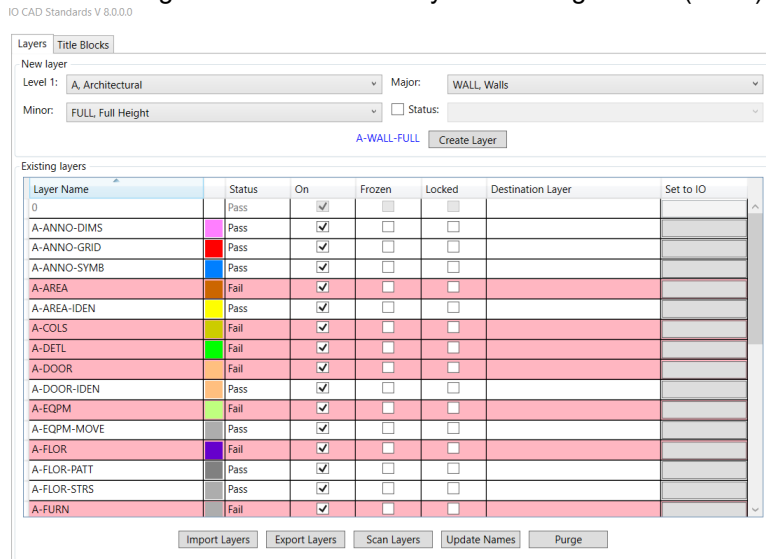
The title block will then be inserted into paperspace with the bottom left corner at 0,0 at a 1:1 scale.

Title blocks cannot be renamed, exploded, scaled, change the attributes or have their insertion point moved. The audit report will fail.

### Layer Mapping (See also section 4.2)

The document audit tool provides the approved IO CAD standards layer names. Layers can be added to the drawing using this tool, see section 4.2 for further information.

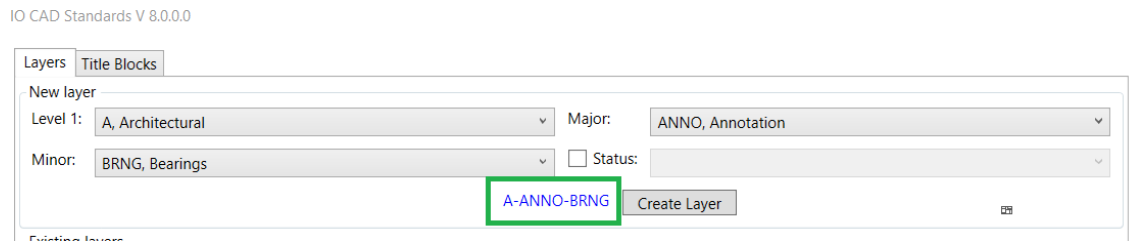
The tool also provide for layer mapping to the IO standards when the report fails due to layer naming. Run the document audit tool, the layers in the drawing get scanned and audited showing the list of the existing layers with the background color of each layer indicating a Pass (white) or Fail (red).



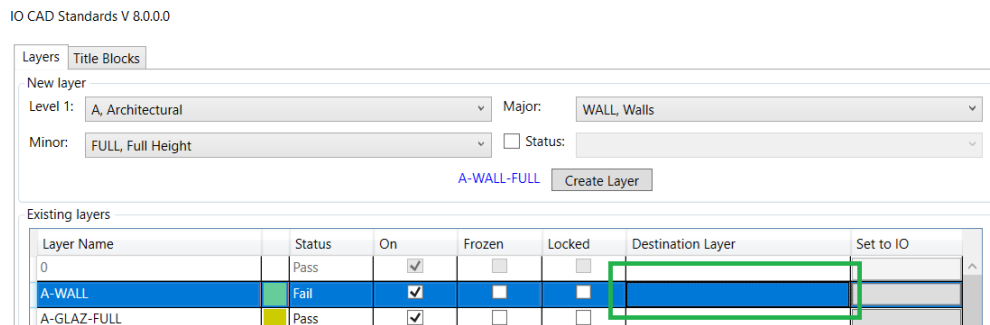


To map the failing layer names to accepted layer names from the standard, perform the following for each layer.

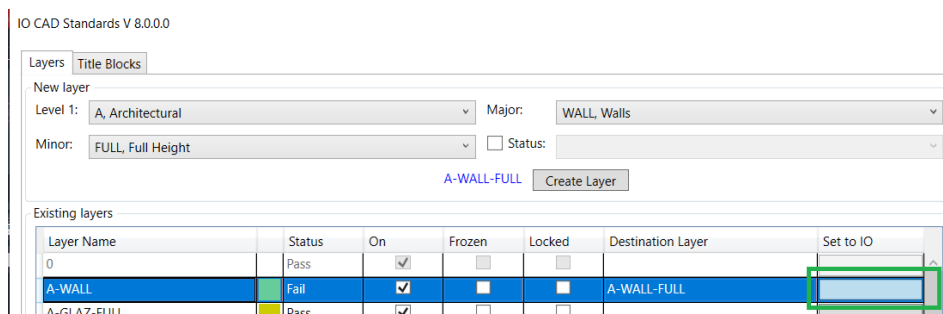
- Create the new layer name as per section 4.2
- Select the newly created layer name in blue



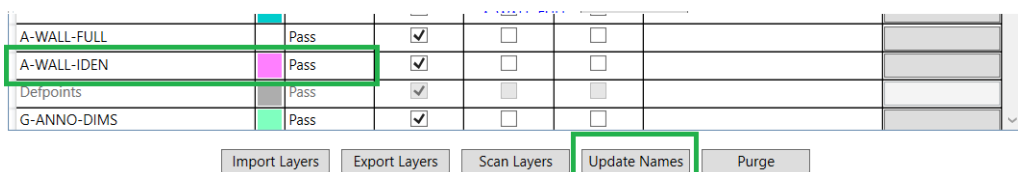
- Select the failing layer by the 'Destination Layer' field.



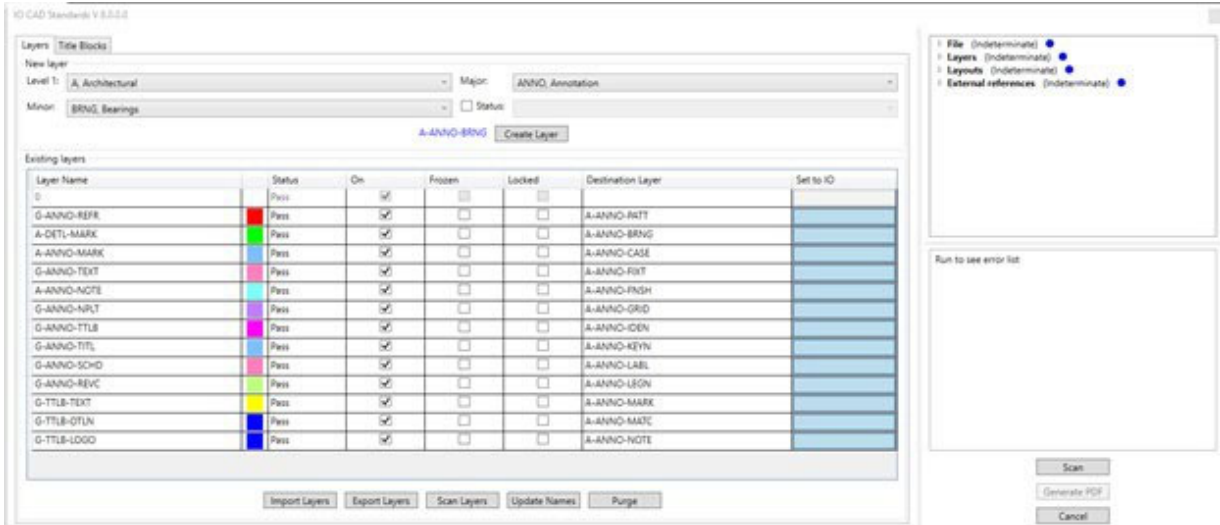
- Select the 'Set to IO" field and the new layer name will appear in the destination field. Repeat these steps until all failing layers have a correct layer associated.



- To update the layer names in the drawings, select 'Update Names" from the bottom of the dialogue box.



To create a layer naming standard file that can be imported into other drawings, export the layers prior to using the update layer function. Select import to insert the exported layer naming standard excel file. It will map the current drawing layer names to the correct destination layer as per the exported layer naming standards excel file. Not all layers are used in every drawing therefore some layers may need mapping.



**Section 6:**  
**Infrastructure Ontario**  
**CAD Standards and Guidelines**  
**U.S. National CAD Standards Model Review**



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

August 8th, 2022  
Version 8.0

**Contents**

6.1 Introduction .....3

6.2 Layer Standard Syntax & Compliant Layer Name Codes.....3

6.3 Linetype Library Standards ..... 26

    Linetype Library ..... 27

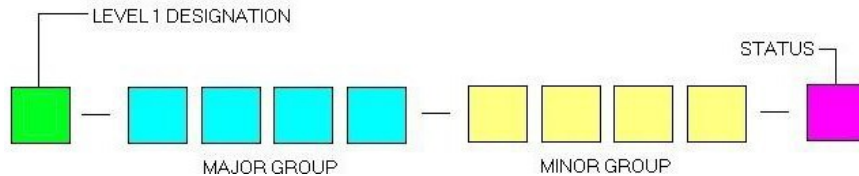
## 6.1 Introduction

This Standard has been designed based on a model developed by the U.S. National CAD Standard NCS v3.1 ([www.nationalcadstandard.org](http://www.nationalcadstandard.org)) and the American Institute of Architects ([www.aia.org](http://www.aia.org)) for use in AutoCAD. The supporting application provided (IOSTD Application) involves customization of the AutoCAD environment to allow users to navigate standard layers, symbols and linetypes for drawing creation and quality control.

This section will list the available NCS v2.0 Model Components used by the IO CAD Standards and Guidelines Document and Application.

## 6.2 Layer Standard Syntax & Compliant Layer Name Codes

### National CAD Standard Layer Name Format



Note: Layer name must be at least X-XXXX-XXXX to be accepted. Example “A-WALL-FULL”

The following tables represent the complete Layer Code Syntax for all Level 1 Designations. These tables are direct extraction from the IO Layers Database used to audit and translate drawings submitted to IO.

Level 1 Table	
Name	Designator
General	G
Hazardous Materials	H
Survey Mapping	V
Geotechnical	B
Civil	C
Landscape	L
Structural	S
Architectural	A
Interiors	I
Equipment	Q
Fire Protection	F
Plumbing	P
Mechanical	M
Electrical	E
Telecommunications	T
Real-Estate	R

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
<b>Architectural</b>				
Architectural	AREA	Area	OCCP	Occupant or Employee Names
Architectural	CLNG	Ceiling	ACCS	Access
Architectural	CLNG	Ceiling	OPEN	Openings
Architectural	CLNG	Ceiling	SUSP	Suspended Elements
Architectural	CLNG	Ceiling	TEES	Main Tees
Architectural	DOOR	Doors	FULL	Full Height Swing and Leaf
Architectural	DOOR	Doors	PRHT	Partial Height Swing and Leaf
Architectural	EQPM	Equipment	ACCS	Access
Architectural	EQPM	Equipment	FIXD	Fixed Equipment
Architectural	EQPM	Equipment	MOVE	Movable Equipment
Architectural	EQPM	Equipment	NICN	Not in Contract
Architectural	EQPM	Equipment	OVHD	Overhead
Architectural	FLOR	Floor	CASE	Casework
Architectural	FLOR	Floor	EVTR	Elevator Cars and Equipment
Architectural	FLOR	Floor	HRAL	Hand Rails, Guard Rails
Architectural	FLOR	Floor	LEVL	Level Changes, Ramps, Pits, Depressions
Architectural	FLOR	Floor	OTLN	Outline
Architectural	FLOR	Floor	OVHD	Overhead (objects above)
Architectural	FLOR	Floor	RAIS	Raised
Architectural	FLOR	Floor	RISR	Stair Risers
Architectural	FLOR	Floor	SIGN	Signs
Architectural	FLOR	Floor	SPCL	Specialties (toilet room accessories)
Architectural	FLOR	Floor	STRS	Stair Treads, Escalators, Ladders
Architectural	FLOR	Floor	TPTN	Toilet Partitions
Architectural	FLOR	Floor	WDWK	Woodwork
Architectural	FURN	Furnishings	FILE	File Cabinets
Architectural	FURN	Furnishings	FIXD	Fixed in Place
Architectural	FURN	Furnishings	FREE	Freestanding
Architectural	FURN	Furnishings	PLNT	Plants
Architectural	FURN	Furnishings	PNLS	System Panels
Architectural	FURN	Furnishings	SEAT	Seating
Architectural	FURN	Furnishings	STOR	System Storage Components

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Architectural	FURN	Furnishings	WKSF	System Work Surface Components
Architectural	GLAZ	Glazing	FULL	Full Height
Architectural	GLAZ	Glazing	PRHT	Partial Height
Architectural	GLAZ	Glazing	SILL	Window Sills
Architectural	HVAC	HVAC	Rdff	Return Air Diffusers
Architectural	HVAC	HVAC	Sdff	Supply Diffusers
Architectural	ROOF	Roof	HRAL	Hand Rails
Architectural	ROOF	Roof	LEVL	Level Changes
Architectural	ROOF	Roof	OTLN	Outline
Architectural	ROOF	Roof	RISR	Risers
Architectural	ROOF	Roof	STRS	Stair Treads and Ladders
Architectural	WALL	Walls	CAVI	Cavity
Architectural	WALL	Walls	CNTR	Centerline
Architectural	WALL	Walls	FIRE	Fire Wall
Architectural	WALL	Walls	FULL	Full Height
Architectural	WALL	Walls	HEAD	Door and Window Headers
Architectural	WALL	Walls	MOVE	Moveable Partitions
Architectural	WALL	Walls	PATT	Texture or Hatch Patterns
Architectural	WALL	Walls	PRHT	Partial Height
<b>Civil</b>				
Civil	AFLD	Airfields	ASPH	Asphalt
Civil	AFLD	Airfields	CNTR	Centerline
Civil	AFLD	Airfields	CONC	Concrete Surface
Civil	AFLD	Airfields	FLNE	Fire Lane
Civil	AFLD	Airfields	FLNE-MRKG	Fire Lane Pavement Markings
Civil	AFLD	Airfields	FLNE-SIGN	Fire Lane Signage
Civil	AFLD	Airfields	GRVL	Gravel Surface
Civil	AFLD	Airfields	MRKG	Pavement Markings
Civil	AFLD	Airfields	SIGN	Signage
Civil	AFLD	Airfields	STAN	Stationing
Civil	AFLD	Airfields	WHIT	White Paint
Civil	AFLD	Airfields	WHIT-TICK	Whit Paint Tick Marks
Civil	AFLD	Airfields	YELO	Yellow Paint
Civil	AFLD	Airfields	YELO-TICK	Yellow Paint Tick Marks
Civil	BLDG	Buildings and Primary Structures	DECK	Outdoor Decks
Civil	BLDG	Buildings and Primary Structures	OTLN	Outline
Civil	BLDG	Buildings and Primary Structures	OVHD	Overhead or Overhang
Civil	BLDG	Buildings and Primary Structures	PRCH	Porch (attached, roof overhead)
Civil	BLIN	Baseline	STAN	Stationing

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Civil	BRDG	Bridge	CNTJ	Construction Joint
Civil	BRDG	Bridge	CNTR	Centerline
Civil	BRDG	Bridge	DECK	Deck
Civil	BRDG	Bridge	EXPJ	Expansion Joint
Civil	BRDG	Bridge	FALT	Deck Fault or Breaklines
Civil	BRDG	Bridge	HIDD	Objects or lines Hidden from view
Civil	BRDG	Bridge	OBJT	Objects
Civil	BRDG	Bridge	OBJT-PRIM	Primary Objects
Civil	BRDG	Bridge	OBJT-SECD	Secondary Objects
Civil	BRDG	Bridge	RBAR	Reinforcing Bar
Civil	CATV	Cable TV	OVHD	Overhead Lines
Civil	CATV	Cable TV	POLE	Box or Pole
Civil	CATV	Cable TV	UNDR	Underground Lines
Civil	CHAN	Navigable Channels	BWTR	Breakwater
Civil	CHAN	Navigable Channels	CNTR	Channel Centerlines
Civil	CHAN	Navigable Channels	DACL	DeAuthorized Channel Limits
Civil	CHAN	Navigable Channels	DOCK	Decks, Docks, Floats and Piers
Civil	CHAN	Navigable Channels	NAID	Navigation Aids
Civil	COMM	Communications	OVHD	Overhead Lines
Civil	COMM	Communications	POLE	Box or Pole
Civil	COMM	Communications	UNDR	Underground Lines
Civil	CTRL	Control Points	BMRK	Benchmarks
Civil	CTRL	Control Points	FLYS	Fly Station
Civil	CTRL	Control Points	GRID	Grid Lines
Civil	CTRL	Control Points	HCPT	Horizontal Control Points
Civil	CTRL	Control Points	HVPT	Horizontal and Vertical Control Points
Civil	CTRL	Control Points	PNPT	Panel Points
Civil	CTRL	Control Points	TRAV	Traverse Points
Civil	CTRL	Control Points	VCPT	Vertical Control Points
Civil	DFLD	Drain Fields	OTLN	Outline
Civil	DFLD	Drain Fields	PROF	Profile
Civil	DRIV	Driveways	ASPH	Asphalt
Civil	DRIV	Driveways	CNTR	Centerline
Civil	DRIV	Driveways	CONC	Concrete Surface
Civil	DRIV	Driveways	CURB	Curb
Civil	DRIV	Driveways	CURB-BACK	Curb Back
Civil	DRIV	Driveways	CURB-FACE	Curb Face
Civil	DRIV	Driveways	FLNE	Fire Lane
Civil	DRIV	Driveways	FLNE-MRKG	Fire Lane Markings
Civil	DRIV	Driveways	FLNE-SIGN	Fire Lane Signage
Civil	DRIV	Driveways	GRVL	Gravel



Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Civil	DRIV	Driveways	MRKG	Pavement Markings
Civil	DRIV	Driveways	SIGN	Signage
Civil	DRIV	Driveways	UPVD	Unpaved Surface
Civil	DRIV	Driveways	WHIT	White Paint
Civil	DRIV	Driveways	WHIT-TICK	White Paint Ticks
Civil	DRIV	Driveways	YELO	Yellow Paint
Civil	DRIV	Driveways	YELO-TICK	Yellow Paint Ticks
Civil	DTCH	Ditches or Washes	BOTD	Bottom of Ditch
Civil	DTCH	Ditches or Washes	CNTR	Centerline if Ditch
Civil	DTCH	Ditches or Washes	EWAT	Edge of Water
Civil	DTCH	Ditches or Washes	TOPD	Top of Ditch
Civil	EROS	Erosion and Sediment Control	CIPR	Culvert Inlet Protection
Civil	EROS	Erosion and Sediment Control	CNTE	Construction Entrance
Civil	EROS	Erosion and Sediment Control	DDIV	Drainage Divides
Civil	EROS	Erosion and Sediment Control	DVDK	Diversion Dike
Civil	EROS	Erosion and Sediment Control	INPR	Inlet Protection
Civil	EROS	Erosion and Sediment Control	SILT	Silt Fence
Civil	EROS	Erosion and Sediment Control	SSLT	Super Silt Fence
Civil	ESMT	Easements	ACCS	Pedestrian or Private Access
Civil	ESMT	Easements	CATV	Utility or Cable Television
Civil	ESMT	Easements	CONS	Conservation
Civil	ESMT	Easements	CSTG	Construction Grading
Civil	ESMT	Easements	ELEC	Utility or Electrical
Civil	ESMT	Easements	FDPL	Flood Plain
Civil	ESMT	Easements	INEG	Ingress or Egress for Vehicle Access
Civil	ESMT	Easements	LSCP	Landscape
Civil	ESMT	Easements	NGAS	Natural Gas
Civil	ESMT	Easements	PHON	Telephone Line
Civil	ESMT	Easements	ROAD	Roadway
Civil	ESMT	Easements	ROAD-PERM	Permanent Roadway
Civil	ESMT	Easements	ROAD-TEMP	Temporary Roadway
Civil	ESMT	Easements	RWAY	Right of Way
Civil	ESMT	Easements	SGHT	Sight Distance
Civil	ESMT	Easements	SSWR	Sanitary Sewer
Civil	ESMT	Easements	STRM	Storm Sewer
Civil	ESMT	Easements	SWMT	Storm Water Management

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Civil	ESMT	Easements	TRAL	Trail or Path Public Access
Civil	ESMT	Easements	UTIL	Utilities
Civil	ESMT	Easements	WATR	Water Supply
Civil	FENC	Fences	GRAL	Guard Rail
Civil	FENC	Fences	POST	Posts
Civil	FENC	Fences	STEL	Steel Barbed Wire or Chain Link
Civil	FENC	Fences	WOOD	Wood
Civil	FIRE	Fire Protection System	HYDR	Hydrants and Connections
Civil	FIRE	Fire Protection System	PIPE	Piping
Civil	FIRE	Fire Protection System	UNDR	Underground Piping
Civil	FLHA	Flood Hazard Area	025Y	25 Year Mark
Civil	FLHA	Flood Hazard Area	050Y	50 Year Mark
Civil	FLHA	Flood Hazard Area	100Y	100 Year Mark
Civil	FLHA	Flood Hazard Area	200Y	200 Year Mark
Civil	FUEL	Fuel Gas	EQPM	Equipment (pumps and motors)
Civil	FUEL	Fuel Gas	INST	Instrumentation
Civil	FUEL	Fuel Gas	MHOL	Manhole
Civil	FUEL	Fuel Gas	PIPE	Piping
Civil	FUEL	Fuel Gas	TANK	Storage Tank
Civil	FUEL	Fuel Gas	UNDR	Underground Piping
Civil	NGAS	Natural Gas	EQPM	Equipment (pumps and motors)
Civil	NGAS	Natural Gas	INST	Instrumentation
Civil	NGAS	Natural Gas	MHOL	Manhole
Civil	NGAS	Natural Gas	PIPE	Piping
Civil	NGAS	Natural Gas	TANK	Storage Tank
Civil	NGAS	Natural Gas	UNDR	Underground Piping
Civil	PERC	Perc Testing	HOLE	Test Holes
Civil	POND	Ponds	EDGE	Edge of Pond
Civil	POND	Ponds	SWAY	Spillway
Civil	POND	Ponds	TOPB	Top of Bank
Civil	POWR	Power	FENC	Fence
Civil	POWR	Power	INST	Instrumentation
Civil	POWR	Power	MHOL	Manhole
Civil	POWR	Power	OVHD	Overhead Lines
Civil	POWR	Power	POLE	Box or Pole
Civil	POWR	Power	STRC	Structures
Civil	POWR	Power	UNDR	Underground Lines
Civil	PRKG	Parking Lots	ASPH	Asphalt
Civil	PRKG	Parking Lots	CARS	Cars and Other Vehicles
Civil	PRKG	Parking Lots	CONC	Concrete Surface
Civil	PRKG	Parking Lots	CURB	Curb
Civil	PRKG	Parking Lots	CURB-BACK	Curb Back

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Civil	PRKG	Parking Lots	CURB-FACE	Curb Face
Civil	PRKG	Parking Lots	DRAN	Drainage Slope Indications
Civil	PRKG	Parking Lots	FIXT	Fixtures (Wheel stops and Parking Meters)
Civil	PRKG	Parking Lots	FLNE	Fire Lane
Civil	PRKG	Parking Lots	FLNE-MRKG	Fire Lane Markings
Civil	PRKG	Parking Lots	FLNE-SIGN	File Lane Signage
Civil	PRKG	Parking Lots	GRVL	Gravel
Civil	PRKG	Parking Lots	MRKG	Pavement Markings
Civil	PRKG	Parking Lots	SIGN	Signage
Civil	PRKG	Parking Lots	STRP	Stripping
Civil	PRKG	Parking Lots	UPVD	Unpaved Surface
Civil	PRKG	Parking Lots	WHIT	White Paint
Civil	PRKG	Parking Lots	WHIT-TICK	White Paint Tick Marks
Civil	PRKG	Parking Lots	YELO	Yellow Paint
Civil	PRKG	Parking Lots	YELO-TICK	Yellow Paint Tick Marks
Civil	PROP	Property	LINE	Property Line
Civil	PROP	Property	SBCK	Setback Lines
Civil	PVMT	Pavement	ASPH	Asphalt Surface
Civil	PVMT	Pavement	CONC	Concrete Surface
Civil	PVMT	Pavement	GRVL	Gravel Surface
Civil	RAIL	Railroad	CNTR	Centerline
Civil	RAIL	Railroad	EQPM	Equipment (gates, signals)
Civil	RAIL	Railroad	TRAK	Track
Civil	RIVR	River	BOTM	Bottom of River
Civil	RIVR	River	CNTR	Centerline of River
Civil	RIVR	River	EDGE	Edge of River
Civil	RIVR	River	TOPB	Top of River Bank
Civil	ROAD	Roadways	ASPH	Asphalt Surface
Civil	ROAD	Roadways	CNTR	Centerline of Road
Civil	ROAD	Roadways	CONC	Concrete Surface
Civil	ROAD	Roadways	CURB	Curb
Civil	ROAD	Roadways	CURB-BACK	Curb Back
Civil	ROAD	Roadways	CURB-FACE	Curb Face
Civil	ROAD	Roadways	FLNE	Fire Lane
Civil	ROAD	Roadways	FLNE-MRKG	Fire Lane Markings
Civil	ROAD	Roadways	FLNE-SIGN	Fire Lane Signage
Civil	ROAD	Roadways	GRVL	Gravel Surface
Civil	ROAD	Roadways	MRKG	Pavement Markings
Civil	ROAD	Roadways	PROF	Profile
Civil	ROAD	Roadways	SIGN	Signage
Civil	ROAD	Roadways	STAN	Stationing

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Civil	ROAD	Roadways	UPVD	Unpaved Surface
Civil	ROAD	Roadways	WHIT	White Paint
Civil	ROAD	Roadways	WHIT-TICK	White Paint Tick Marks
Civil	ROAD	Roadways	YELO	Yellow Paint
Civil	ROAD	Roadways	YELO-TICK	Yellow Paint Tick Marks
Civil	SHGT	Sight Distance	PROF	Profile
Civil	SSWR	Sanitary Sewer System	CNTR	Centerline
Civil	SSWR	Sanitary Sewer System	DIAG	Plan Diagram
Civil	SSWR	Sanitary Sewer System	FORC	Force main
Civil	SSWR	Sanitary Sewer System	LATR	Lateral Line
Civil	SSWR	Sanitary Sewer System	MHOL	Manhole
Civil	SSWR	Sanitary Sewer System	PIPE	Piping
Civil	SSWR	Sanitary Sewer System	PIPE-RCON	Reinforced Concrete Piping
Civil	SSWR	Sanitary Sewer System	PIPE-STEL	Steel Piping
Civil	SSWR	Sanitary Sewer System	PROF	Profile
Civil	SSWR	Sanitary Sewer System	STAN	Stationing
Civil	SSWR	Sanitary Sewer System	STRC	Structures
Civil	SSWR	Sanitary Sewer System	UNDR	Underground Piping
Civil	STEM	Steam System	CNTR	Centerline
Civil	STEM	Steam System	INST	Instrumentation
Civil	STEM	Steam System	MHOL	Manhole
Civil	STEM	Steam System	PIPE	Piping
Civil	STEM	Steam System	STRC	Structures
Civil	STEM	Steam System	UNDR	Underground Piping
Civil	STRM	Storm Sewer System	CNTR	Centerline
Civil	STRM	Storm Sewer System	DIAG	Plan Diagram
Civil	STRM	Storm Sewer System	HWAL	Headwall
Civil	STRM	Storm Sewer System	LATR	Lateral Line
Civil	STRM	Storm Sewer System	MHOL	Manhole
Civil	STRM	Storm Sewer System	PIPE	Piping
Civil	STRM	Storm Sewer System	PIPE-CMTL	Corrugated Metal
Civil	STRM	Storm Sewer System	PIPE-RCON	Reinforced Concrete Piping
Civil	STRM	Storm Sewer System	PROF	Profile
Civil	STRM	Storm Sewer System	STAN	Stationing
Civil	STRM	Storm Sewer System	STRC	Structures
Civil	STRM	Storm Sewer System	UNDR	Underground Piping
Civil	SWLK	Sidewalk	ASPH	Asphalt Surface
Civil	SWLK	Sidewalk	CONC	Concrete Surface
Civil	TINN	Triangulated Irregular Network	BNDY	Boundary
Civil	TINN	Triangulated Irregular Network	FALT	Fault line

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Civil	TINN	Triangulated Irregular Network	VIEW	Faces
Civil	TINN	Triangulated Irregular Network	VOID	No TINN Space
Civil	TOPO	Topography	BORE	Test Borings
Civil	TOPO	Topography	DEPR	Depression Contours
Civil	TOPO	Topography	MAJR	Major Contours
Civil	TOPO	Topography	MINR	Minor Contours
Civil	TOPO	Topography	SPOT	Spot Elevations
Civil	TOPO	Topography	TPIT	Test Pits
Civil	TRAL	Trails and Paths	ASPH	Asphalt Surface
Civil	TRAL	Trails and Paths	CNTR	Centerline
Civil	TRAL	Trails and Paths	CONC	Concrete Surface
Civil	TRAL	Trails and Paths	GRVL	Gravel Surface
Civil	TRAL	Trails and Paths	MRKG	Pavement Markings
Civil	TRAL	Trails and Paths	SIGN	Signage
Civil	TRAL	Trails and Paths	UPVD	Unpaved Surfaces
Civil	WALL	Walls	CTLJ	Control Joints
Civil	WALL	Walls	NSBR	Noise Barrier
Civil	WALL	Walls	RTWL	Retaining Wall
Civil	WALL	Walls	SHEA	Structure Bearing or Shear Walls
Civil	WATR	Water Supply System	CNTR	Centerline
Civil	WATR	Water Supply System	DIAG	Plan Diagram
Civil	WATR	Water Supply System	INST	Instrumentation
Civil	WATR	Water Supply System	LATR	Lateral Line
Civil	WATR	Water Supply System	PIPE	Piping
Civil	WATR	Water Supply System	PROF	Profile
Civil	WATR	Water Supply System	STAN	Stationing
Civil	WATR	Water Supply System	STRC	Structures
Civil	WATR	Water Supply System	UNDR	Underground Piping
Civil	WATR	Water Supply System	WELL	Well
<b>Electrical</b>				
Electrical	CTRL	Control Systems	DEVC	Devices
Electrical	CTRL	Control Systems	WIRE	Wiring
Electrical	GRND	Ground Systems	CIRC	Circuits
Electrical	GRND	Ground Systems	DIAG	Diagram
Electrical	GRND	Ground Systems	EQUI	Equipotential
Electrical	GRND	Ground Systems	REFR	Reference
Electrical	LITE	Lighting	CIRC	Circuits
Electrical	LITE	Lighting	CIRC-NUMB	Numbers
Electrical	LITE	Lighting	CLNG	Ceiling Mounted
Electrical	LITE	Lighting	EMER	Emergency

<b>Major and Minor Codes for Each Level 1 Designation</b>				
<b>Level 1 Name</b>	<b>Major Name</b>	<b>Major Description</b>	<b>Minor Name</b>	<b>Minor Description</b>
Electrical	LITE	Lighting	EXIT	Exit
Electrical	LITE	Lighting	EXTR	Exterior and Site
Electrical	LITE	Lighting	FLOR	Floor Mounted
Electrical	LITE	Lighting	IDEN	Identification
Electrical	LITE	Lighting	JBOX	Junction Box
Electrical	LITE	Lighting	OTLN	Outline
Electrical	LITE	Lighting	ROOF	Roof
Electrical	LITE	Lighting	SPCL	Special
Electrical	LITE	Lighting	SWCH	Switches
Electrical	LITE	Lighting	WALL	Wall Mounted
Electrical	POWR	Power	BUSW	Bus ways
Electrical	POWR	Power	CABL	Cable Trays
Electrical	POWR	Power	CIRC	Circuits
Electrical	POWR	Power	CIRC-NUMB	Numbers
Electrical	POWR	Power	DEVC	Devices
Electrical	POWR	Power	EQPM	Equipment
Electrical	POWR	Power	FEED	Feeders
Electrical	POWR	Power	JBOX	Junction Box
Electrical	POWR	Power	PANL	Panels
Electrical	POWR	Power	ROOF	Roof
Electrical	POWR	Power	SWBD	Switchboards
Electrical	POWR	Power	UCPT	Under Carpet Wiring
Electrical	POWR	Power	URAC	Under floor Raceways
Electrical	SITE	Site	OVHD	Overhead Lines
Electrical	SITE	Site	POLE	Electric Poles
Electrical	SITE	Site	UNDR	Underground Lines
<b>Fire Protection</b>				
Fire Protection	AFFF	Aqueous Film Forming Foam System	EQPM	Equipment
Fire Protection	AFFF	Aqueous Film Forming Foam System	PIPE	Piping
Fire Protection	CO2S	CO2 System	EQPM	Equipment
Fire Protection	CO2S	CO2 System	PIPE	Piping
Fire Protection	HALN	Halon	EQPM	Equipment
Fire Protection	HALN	Halon	PIPE	Piping
Fire Protection	IGAS	Inert Gas	EQPM	Equipment
Fire Protection	IGAS	Inert Gas	PIPE	Piping
Fire Protection	PROT	Fire Protection System	ALRM	Alarm
Fire Protection	PROT	Fire Protection System	EQPM	Equipment
Fire Protection	PROT	Fire Protection System	SMOK	Smoke Detector / heat sensors
Fire Protection	PROT	Fire Protection System	STAN	Standpipe
Fire Protection	SPRN	Sprinkler	CLHD	Ceiling Heads

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Fire Protection	SPRN	Sprinkler	OTHD	Other Heads
Fire Protection	SPRN	Sprinkler	PIPE	Piping
Fire Protection	SPRN	Sprinkler	STAN	Standpipe
<b>Interior</b>				
Interiors	AREA	Area	OCCP	Occupant or Employee Names
Interiors	CLNG	Ceiling	ACCS	Access
Interiors	CLNG	Ceiling	OPEN	Openings
Interiors	CLNG	Ceiling	SUSP	Suspended Elements
Interiors	CLNG	Ceiling	TEES	Main Tees
Interiors	DOOR	Doors	FULL	Full Height
Interiors	DOOR	Doors	PRHT	Partial Height
Interiors	EQPM	Equipment	ACCS	Access
Interiors	EQPM	Equipment	FIXD	Fixed Equipment
Interiors	EQPM	Equipment	MOVE	Moveable Equipment
Interiors	EQPM	Equipment	NICN	Not in Contract
Interiors	EQPM	Equipment	OVHD	Overhead
Interiors	EQPM	Equipment	STOR	Storage
Interiors	FLOOR	Floors	CASE	Casework
Interiors	FLOOR	Floors	EVTR	Elevator Cars and Equipment
Interiors	FLOOR	Floors	FIXT	Plumbing Fixtures
Interiors	FLOOR	Floors	HRAL	Hand Rail
Interiors	FLOOR	Floors	LEVL	Level Changes, Ramps, Pits, Depressions
Interiors	FLOOR	Floors	OTLN	Outline
Interiors	FLOOR	Floors	OVHD	Overhead
Interiors	FLOOR	Floors	RAIS	Raised
Interiors	FLOOR	Floors	RISR	Stair Risers
Interiors	FLOOR	Floors	SIGN	Signs
Interiors	FLOOR	Floors	SPCL	Specialties
Interiors	FLOOR	Floors	STRS	Stair Treads, Escalators, Ladders
Interiors	FLOOR	Floors	TPTN	Toilet Partitions
Interiors	FLOOR	Floors	WDWK	Woodwork
Interiors	FURN	Furnishings	FILE	File Cabinets
Interiors	FURN	Furnishings	FREE	Freestanding
Interiors	FURN	Furnishings	PLNT	Plants
Interiors	FURN	Furnishings	PNLS	System Panels
Interiors	FURN	Furnishings	SEAT	Seating
Interiors	FURN	Furnishings	STOR	System Storage
Interiors	FURN	Furnishings	WKSF	System Work Surface Components
Interiors	GLAZ	Glazings	FULL	Full Height
Interiors	GLAZ	Glazings	PRHT	Partial Height

<b>Major and Minor Codes for Each Level 1 Designation</b>				
<b>Level 1 Name</b>	<b>Major Name</b>	<b>Major Description</b>	<b>Minor Name</b>	<b>Minor Description</b>
Interiors	GLAZ	Glazings	SILL	Window Sills
Interiors	HVAC	HVAC	RDFD	Return Air Diffusers
Interiors	HVAC	HVAC	SDFD	Supply Diffusers
Interiors	WALL	Walls	FIRE	Fire Wall
Interiors	WALL	Walls	FULL	Full Height
Interiors	WALL	Walls	HEAD	Door and Window Header
Interiors	WALL	Walls	JAMB	Door and Window Jamb
Interiors	WALL	Walls	MOVE	Moveable Partitions
Interiors	WALL	Walls	PRHT	Partial Height
<b>Landscape</b>				
Landscape	IRRG	Irrigation	COVR	Coverage
Landscape	IRRG	Irrigation	EQPM	Equipment
Landscape	IRRG	Irrigation	PIPE	Piping
Landscape	IRRG	Irrigation	SPKL	Sprinkler
Landscape	PLNT	Plant and Landscape	BEDS	Planting Beds
Landscape	PLNT	Plant and Landscape	BUSH	Bushes and Shrubs
Landscape	PLNT	Plant and Landscape	CTNR	Container or Planter
Landscape	PLNT	Plant and Landscape	GRND	Ground Covers and Vines
Landscape	PLNT	Plant and Landscape	PLTS	Planting Plants
Landscape	PLNT	Plant and Landscape	REMN	Material to Remain
Landscape	PLNT	Plant and Landscape	REMV	Material to be Removed
Landscape	PLNT	Plant and Landscape	SHAD	Shadow Area
Landscape	PLNT	Plant and Landscape	TREE	Trees
Landscape	PLNT	Plant and Landscape	TURF	Lawn Area
Landscape	SITE	Site Improvements	BRDG	Bridges
Landscape	SITE	Site Improvements	DECK	Decks
Landscape	SITE	Site Improvements	FENC	Fences
Landscape	SITE	Site Improvements	FURN	Furnishings
Landscape	SITE	Site Improvements	PLAY	Play Structures
Landscape	SITE	Site Improvements	POOL	Pools and Spas
Landscape	SITE	Site Improvements	RTWL	Retaining Walls
Landscape	SITE	Site Improvements	SPRT	Sport Fields
Landscape	SITE	Site Improvements	STEP	Steps
Landscape	SITE	Site Improvements	WALK	Walkways and Steps
<b>Mechanical</b>				
Mechanical	BRIN	Brine Systems	EQPM	Equipment
Mechanical	BRIN	Brine Systems	PIPE	Piping
Mechanical	CMPA	Compressed Air and Processed Air Systems	CEQP	Equipment
Mechanical	CMPA	Compressed Air and Processed Air Systems	CPIP	Piping
Mechanical	CMPA	Compressed Air and Processed Air Systems	PEQP	Process Equipment



Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Mechanical	CMPA	Compressed Air and Processed Air Systems	PPIP	Process Piping
Mechanical	CNDW	Condenser Water Systems	EQPM	Equipment
Mechanical	CNDW	Condenser Water Systems	PIPE	Piping
Mechanical	CONT	Controls and Instrumentation	THER	Thermostats
Mechanical	CONT	Controls and Instrumentation	WIRE	Low Voltage Wiring
Mechanical	CWTR	Chilled Water Systems	EQPM	Equipment
Mechanical	CWTR	Chilled Water Systems	PIPE	Piping
Mechanical	DUST	Dust and Fume Collection	DUCT	Ductwork
Mechanical	DUST	Dust and Fume Collection	EQPM	Equipment
Mechanical	ELHT	Electric Heat	EQPM	Equipment
Mechanical	ENER	Energy Management Systems	EQPM	Equipment
Mechanical	EXHS	Exhaust System	CDFF	Ceiling Diffusers
Mechanical	EXHS	Exhaust System	DUCT	Ductwork
Mechanical	EXHS	Exhaust System	EQPM	Equipment
Mechanical	EXHS	Exhaust System	RFEQ	Rooftop Equipment
Mechanical	FUEL	Fuel Systems	EQPM	Equipment
Mechanical	FUEL	Fuel Systems	GGEP	Gas General Piping
Mechanical	FUEL	Fuel Systems	GPRP	Gas Process Piping
Mechanical	FUEL	Fuel Systems	OGEP	Oil General Piping
Mechanical	FUEL	Fuel Systems	OPRP	Oil Process Piping
Mechanical	FUME	Fume Hood	EQPM	Equipment
Mechanical	HOTW	Hot Water Heating Systems	EQPM	Equipment
Mechanical	HOTW	Hot Water Heating Systems	PIPE	Piping
Mechanical	HVAC	HVAC Systems	CDFF	Ceiling Diffusers
Mechanical	HVAC	HVAC Systems	DOOR	Equipment Doors
Mechanical	HVAC	HVAC Systems	EQPM	Equipment
Mechanical	HVAC	HVAC Systems	ODFF	Other Diffusers
Mechanical	HVAC	HVAC Systems	RDFF	Return Air Diffusers
Mechanical	HVAC	HVAC Systems	RETN	Return Ductwork
Mechanical	HVAC	HVAC Systems	SDFF	Supply Diffusers
Mechanical	HVAC	HVAC Systems	SUPP	Supply Ductwork
Mechanical	LGAS	Laboratory Gas Systems	EQPM	Equipment
Mechanical	MDGS	Medical Gas	CAIR	Compressed Air
Mechanical	MDGS	Medical Gas	EQPM	Equipment
Mechanical	MDGS	Medical Gas	NITG	Nitrogen
Mechanical	MDGS	Medical Gas	NOXD	Nitrous Oxide

<b>Major and Minor Codes for Each Level 1 Designation</b>				
<b>Level 1 Name</b>	<b>Major Name</b>	<b>Major Description</b>	<b>Minor Name</b>	<b>Minor Description</b>
Mechanical	MDGS	Medical Gas	OXYG	Pure Oxygen
Mechanical	MDGS	Medical Gas	PIPE	Piping
Mechanical	MDGS	Medical Gas	SAIR	Scavenged Air
Mechanical	MDGS	Medical Gas	VACU	Medical Vacuum
Mechanical	MKUP	Make-Up Air Systems	CDFF	Ceiling Diffusers
Mechanical	MKUP	Make-Up Air Systems	DUCT	Ductwork
Mechanical	MKUP	Make-Up Air Systems	EQPM	Equipment
Mechanical	NGAS	Natural Gas Systems	EQPM	Equipment
Mechanical	NGAS	Natural Gas Systems	PIPE	Piping
Mechanical	PROC	Process Systems	EQPM	Equipment
Mechanical	PROC	Process Systems	PIPE	Piping
Mechanical	RCOV	Energy Recovery Systems	EQPM	Equipment
Mechanical	RCOV	Energy Recovery Systems	PIPE	Piping
Mechanical	REFG	Refrigeration Systems	EQPM	Equipment
Mechanical	REFG	Refrigeration Systems	PIPE	Piping
Mechanical	SMOK	Smoke Extraction Systems	CDFF	Ceiling Diffusers
Mechanical	SMOK	Smoke Extraction Systems	DUCT	Ductwork
Mechanical	SMOK	Smoke Extraction Systems	EQPM	Equipment
Mechanical	SPCL	Special Systems	EQPM	Equipment
Mechanical	SPCL	Special Systems	PIPE	Piping
Mechanical	STEM	Steam Systems	CONP	Condensate Piping
Mechanical	STEM	Steam Systems	EQPM	Equipment
Mechanical	STEM	Steam Systems	HPIP	High Pressure Steam Piping
Mechanical	STEM	Steam Systems	LPIP	Low Pressure Steam Piping
Mechanical	STEM	Steam Systems	MPIP	Medium Pressure Steam Piping
<b>Plumbing</b>				
Plumbing	ACID	Acid Waste Systems	PIPE	Piping
Plumbing	DOMW	Domestic Water Systems	CPIP	Cold Water Piping
Plumbing	DOMW	Domestic Water Systems	EQPM	Equipment
Plumbing	DOMW	Domestic Water Systems	HPIP	Hot Water Piping
Plumbing	DOMW	Domestic Water Systems	RISR	Hot and Cold Risers
Plumbing	DOMW	Domestic Water Systems	RPIP	Hot Water Recirculation Piping
Plumbing	MDGS	Medical Gas Systems	CAIR	Compressed Air
Plumbing	MDGS	Medical Gas Systems	EQPM	Equipment
Plumbing	MDGS	Medical Gas Systems	NITG	Nitrogen
Plumbing	MDGS	Medical Gas Systems	NOXG	Nitrous Oxide
Plumbing	MDGS	Medical Gas Systems	OXYG	Pure Oxygen
Plumbing	MDGS	Medical Gas Systems	PIPE	Piping
Plumbing	MDGS	Medical Gas Systems	SAIR	Scavenge Air
Plumbing	MDGS	Medical Gas Systems	VACU	Medical Vacuum

<b>Major and Minor Codes for Each Level 1 Designation</b>				
<b>Level 1 Name</b>	<b>Major Name</b>	<b>Major Description</b>	<b>Minor Name</b>	<b>Minor Description</b>
Plumbing	SANR	Sanitary Drainage Systems	EQPM	Equipment
Plumbing	SANR	Sanitary Drainage Systems	FIXT	Plumbing Fixtures
Plumbing	SANR	Sanitary Drainage Systems	FLDR	Floor Drains
Plumbing	SANR	Sanitary Drainage Systems	PIPE	Piping
Plumbing	SANR	Sanitary Drainage Systems	RISR	Risers
Plumbing	SANR	Sanitary Drainage Systems	VENT	Vent Piping
Plumbing	STRM	Storm Drainage Systems	FLDR	Floor Drains
Plumbing	STRM	Storm Drainage Systems	PIPE	Piping
Plumbing	STRM	Storm Drainage Systems	RFDR	Roof Drains
Plumbing	STRM	Storm Drainage Systems	RISR	Risers
<b>Real Estate</b>				
Real Estate	BLDG	Building common Polyline	COMN	Building common Polyline
Real Estate	BLDG	Construction Gross Polyline	GROS	Construction Gross Polyline
Real Estate	FLOR	Floor Common Polyline	COMN	Floor Common Polyline
Real Estate	FLOR	Floor Gross Polyline	GROS	Floor Gross Polyline
Real Estate	FLOR	Lease Boundary Polyline	LEAS	Lease Boundary Polyline
Real Estate	FLOR	Room Polyline in Tenant Space.	ROOM	Room Polyline in Tenant Space.
Real Estate	FLOR	Elevators, Stairs and Escalator Polyline	STRS	Elevators, Stairs and Escalator Polyline
Real Estate	FLOR	Vertical Penetration Polyline	VERT	Vertical Penetration Polyline
<b>Structural</b>				
Structural	BEAM	Beams	ALUM	Aluminum
Structural	BEAM	Beams	CONC	Concrete
Structural	BEAM	Beams	STEL	Steel
Structural	BEAM	Beams	WOOD	Wood
Structural	BRAC	Bracing	ALUM	Aluminum
Structural	BRAC	Bracing	ALUM-HORZ	Aluminum Horizontal
Structural	BRAC	Bracing	ALUM-VERT	Aluminum Vertical
Structural	BRAC	Bracing	STEL	Steel
Structural	BRAC	Bracing	STEL-HORZ	Steel Horizontal
Structural	BRAC	Bracing	STEL-VERT	Steel Vertical
Structural	BRAC	Bracing	WOOD	Wood
Structural	BRAC	Bracing	WOOD-HORZ	Wood Horizontal
Structural	BRAC	Bracing	WOOD-VERT	Wood Vertical
Structural	COLS	Columns	ALUM	Aluminum

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Structural	COLS	Columns	CONC	Concrete
Structural	COLS	Columns	STEL	Steel
Structural	COLS	Columns	WOOD	Wood
Structural	DECK	Structural Deck	FLOR	Floor
Structural	DECK	Structural Deck	FLOR-OPNG	Floor Openings
Structural	DECK	Structural Deck	ROOF	Roof
Structural	DECK	Structural Deck	ROOF-OPNG	Roof Openings
Structural	FNDN	Foundation	FTNG	Footings
Structural	FNDN	Foundation	GRBM	Grade Beams
Structural	FNDN	Foundation	PCAP	Pile Caps
Structural	FNDN	Foundation	PIER	Drilled Piers
Structural	FNDN	Foundation	PILE	Piles
Structural	FNDN	Foundation	RBAR	Reinforcing Bar
Structural	GRID	Column Grid	EXTR	Exterior Columns
Structural	GRID	Column Grid	INTR	Interior Columns
Structural	JNTS	Joints	BRGX	Bridging
Structural	JNTS	Joints	CNTJ	Construction
Structural	JNTS	Joints	CTLJ	Control
Structural	JNTS	Joints	EXPJ	Expansion
Structural	SLAB	Slab	CONC	Cast in Place Concrete Slab
Structural	SLAB	Slab	EDGE	Edge of Slab
Structural	SLAB	Slab	OPNG	Openings and Depressions
Structural	SLAB	Slab	OPNX	Opening Indication Mark
Structural	SLAB	Slab	STEL	Steel Slab
Structural	SLAB	Slab	WOOD	Wood Slab
Structural	STRS	Stairs	LADD	Ladders and Ladder Assemblies
Structural	WALL	Walls	CMUW	Concrete Masonry Unit
Structural	WALL	Walls	CONC	Cast in Place Concrete
Structural	WALL	Walls	MSNW	Masonry
Structural	WALL	Walls	PCST	Pre-Cast Concrete
Structural	WALL	Walls	SHEA	Structural Shear Walls
Structural	WALL	Walls	STEL	Steel Stud
Structural	WALL	Walls	WOOD	Wood
<b>Survey Mapping</b>				
Survey Mapping	BLDG	Buildings and Primary Structures	DECK	Outdoor deck
Survey Mapping	BLDG	Buildings and Primary Structures	OTLN	Outline
Survey Mapping	BLDG	Buildings and Primary Structures	OVHD	Overhead or Overhang
Survey Mapping	BLDG	Buildings and Primary Structures	PRCH	Porch
Survey Mapping	BNDY	Political Boundaries	BORO	Borough

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Survey Mapping	BNDY	Political Boundaries	CITY	City
Survey Mapping	BNDY	Political Boundaries	CNTY	County
Survey Mapping	BNDY	Political Boundaries	CORP	Corporation
Survey Mapping	BNDY	Political Boundaries	NATL	National
Survey Mapping	BNDY	Political Boundaries	POLI	ALL Political
Survey Mapping	BNDY	Political Boundaries	PROV	Provincial
Survey Mapping	BNDY	Political Boundaries	STAT	State
Survey Mapping	BNDY	Political Boundaries	TSHP	Township
Survey Mapping	BNDY	Political Boundaries	ZONE	Zoning
Survey Mapping	BRDG	Bridge	BENT	Top of Bent
Survey Mapping	BRDG	Bridge	CNTR	Centerline of Bridge
Survey Mapping	BRDG	Bridge	CTLJ	Control Joint
Survey Mapping	BRDG	Bridge	DECK	Bridge Deck
Survey Mapping	BRDG	Bridge	RAIL	Railing
Survey Mapping	BRKL	Breaklines and Faults	BOTB	Bottom of Bank
Survey Mapping	BRKL	Breaklines and Faults	FLOW	Flow line or lowest point of ditch
Survey Mapping	BRKL	Breaklines and Faults	TOPB	Top of Bank
Survey Mapping	CHAN	Navigable Channels	BWTR	Top of Bank
Survey Mapping	CHAN	Navigable Channels	CNTR	Centerline of Channel
Survey Mapping	CHAN	Navigable Channels	DACL	DeAuthorized Channel Limits
Survey Mapping	CHAN	Navigable Channels	DOCK	Desks, Docks, Floats or Piers
Survey Mapping	CHAN	Navigable Channels	NAID	Navigation Aids
Survey Mapping	COMM	Communications	MHOL	Manhole
Survey Mapping	COMM	Communications	OVHD	Overhead Lines
Survey Mapping	COMM	Communications	POLE	Box or Pole
Survey Mapping	COMM	Communications	UNDR	Underground Lines
Survey Mapping	CTRL	Control Points	BMRK	Benchmark
Survey Mapping	CTRL	Control Points	FLYS	Fly Station
Survey Mapping	CTRL	Control Points	GRID	Grid Lines
Survey Mapping	CTRL	Control Points	HCPT	Horizontal Control Point
Survey Mapping	CTRL	Control Points	HVPT	Horizontal and Vertical Control Point
Survey Mapping	CTRL	Control Points	PNPT	Panel Points
Survey Mapping	CTRL	Control Points	TRAV	Traverse Points
Survey Mapping	CTRL	Control Points	VCPT	Vertical Control Points
Survey Mapping	DRIV	Driveways	ASPH	Asphalt Surface
Survey Mapping	DRIV	Driveways	CNTR	Centerline of Driveway
Survey Mapping	DRIV	Driveways	CONC	Concrete Surface
Survey Mapping	DRIV	Driveways	CURB	Curb
Survey Mapping	DRIV	Driveways	CURB-BACK	Curb Back
Survey Mapping	DRIV	Driveways	CURB-FACE	Curb Face
Survey Mapping	DRIV	Driveways	FLNE	Fire Lane

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Survey Mapping	DRIV	Driveways	GRVL	Gravel Surface
Survey Mapping	DRIV	Driveways	MRKG	Pavement Markings
Survey Mapping	DRIV	Driveways	UPVD	Unpaved Surface
Survey Mapping	DTCH	Ditches or Washes	BOTD	Bottom of Ditch
Survey Mapping	DTCH	Ditches or Washes	CNTR	Centerline of Ditch
Survey Mapping	DTCH	Ditches or Washes	EWAT	Edge of Water
Survey Mapping	DTCH	Ditches or Washes	TOPD	Top of Ditch
Survey Mapping	ESMT	Easements	ACCS	Access (Pedestrian only)
Survey Mapping	ESMT	Easements	CATV	Cable Television
Survey Mapping	ESMT	Easements	CONS	Conservation
Survey Mapping	ESMT	Easements	CSTG	Construction Grading
Survey Mapping	ESMT	Easements	ELEC	Electrical
Survey Mapping	ESMT	Easements	FDPL	Flood Plain
Survey Mapping	ESMT	Easements	INEG	Ingress - Egress (Vehicles - private access)
Survey Mapping	ESMT	Easements	LSCP	Landscape
Survey Mapping	ESMT	Easements	NGAS	Natural Gas Line
Survey Mapping	ESMT	Easements	PHON	Telephone Line
Survey Mapping	ESMT	Easements	ROAD	Roadway
Survey Mapping	ESMT	Easements	ROAD-PERM	Permanent Roadway
Survey Mapping	ESMT	Easements	ROAD-TEMP	Temporary Roadway
Survey Mapping	ESMT	Easements	RWAY	Right of Way
Survey Mapping	ESMT	Easements	SHGT	Sight Distance
Survey Mapping	ESMT	Easements	SSWR	Sanitary Sewer Line
Survey Mapping	ESMT	Easements	STRM	Storm Sewer Line
Survey Mapping	ESMT	Easements	SWMT	Storm Water Management
Survey Mapping	ESMT	Easements	TRAL	Trail / Path (Public Access)
Survey Mapping	ESMT	Easements	UTIL	Utilities
Survey Mapping	ESMT	Easements	WATR	Water Supply
Survey Mapping	FUEL	Fuel Gas	MHOL	Manhole
Survey Mapping	FUEL	Fuel Gas	PIPE	Above Ground Piping
Survey Mapping	FUEL	Fuel Gas	TANK	Storage Tank
Survey Mapping	FUEL	Fuel Gas	UNDR	Underground Piping
Survey Mapping	NGAS	Natural Gas	MHOL	Manhole
Survey Mapping	NGAS	Natural Gas	PIPE	Above Ground Piping
Survey Mapping	NGAS	Natural Gas	TANK	Storage Tank
Survey Mapping	NGAS	Natural Gas	UNDR	Underground Piping
Survey Mapping	NODE	Node	ABUT	Abutment
Survey Mapping	NODE	Node	ACTL	Aerial Horizontal and Vertical Control Point
Survey Mapping	NODE	Node	BLDG	Building
Survey Mapping	NODE	Node	BLIN	Baseline

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Survey Mapping	NODE	Node	BRDG	Bridge
Survey Mapping	NODE	Node	BRKL	Breakline
Survey Mapping	NODE	Node	BROW	Bush Row
Survey Mapping	NODE	Node	BRSH	Brush
Survey Mapping	NODE	Node	CABL	Underground Cable
Survey Mapping	NODE	Node	CNTL	Baseline, Property Line and Centerline
Survey Mapping	NODE	Node	CURB	Curb
Survey Mapping	NODE	Node	DASP	Description Attribute
Survey Mapping	NODE	Node	DECK	Outdoor Deck
Survey Mapping	NODE	Node	DRIV	Driveway
Survey Mapping	NODE	Node	EASP	Elevation Attribute
Survey Mapping	NODE	Node	EXPJ	Expansion Joints
Survey Mapping	NODE	Node	GRND	Ground Topography
Survey Mapping	NODE	Node	MHOL	Manhole
Survey Mapping	NODE	Node	MRKG	Pavement Markings
Survey Mapping	NODE	Node	NGAS	Natural Gas Line
Survey Mapping	NODE	Node	PASP	Point Number Attribute
Survey Mapping	NODE	Node	PIPE	Pipes
Survey Mapping	NODE	Node	POLE	Poles
Survey Mapping	NODE	Node	PVMT	Pavement
Survey Mapping	NODE	Node	SIGN	Signs
Survey Mapping	NODE	Node	SSWR	Sanitary Sewer Line
Survey Mapping	NODE	Node	STRM	Strom Sewer Line
Survey Mapping	NODE	Node	SWLK	Sidewalk
Survey Mapping	NODE	Node	TREE	Trees
Survey Mapping	NODE	Node	TROW	Tree Rows
Survey Mapping	NODE	Node	WATR	Water Supply Line
Survey Mapping	POWR	Power	FENC	Fence Enclosure
Survey Mapping	POWR	Power	INST	Instrumentation
Survey Mapping	POWR	Power	MHOL	Manhole
Survey Mapping	POWR	Power	OVHD	Overhead Lines
Survey Mapping	POWR	Power	POLE	Box or Pole
Survey Mapping	POWR	Power	STRC	Structures
Survey Mapping	POWR	Power	UNDR	Underground Lines
Survey Mapping	PRKG	Parking Lots	ASPH	Asphalt Surface
Survey Mapping	PRKG	Parking Lots	CNTR	Centerline of Parking Lot
Survey Mapping	PRKG	Parking Lots	CONC	Concrete Surface
Survey Mapping	PRKG	Parking Lots	CURB	Curb
Survey Mapping	PRKG	Parking Lots	CURB-BACK	Curb Back
Survey Mapping	PRKG	Parking Lots	CURB-FACE	Curb Face
Survey Mapping	PRKG	Parking Lots	DRAN	Drainage Slope Indications

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Survey Mapping	PRKG	Parking Lots	FLNE	Fire Lane
Survey Mapping	PRKG	Parking Lots	GRVL	Gravel Surface
Survey Mapping	PRKG	Parking Lots	MRKG	Pavement Markings
Survey Mapping	PRKG	Parking Lots	STRP	Striping
Survey Mapping	PRKG	Parking Lots	UPVD	Unpaved Surface
Survey Mapping	PROP	Property Boundary	LINE	Property Line
Survey Mapping	PROP	Property Boundary	QTRS	Quarter Section
Survey Mapping	PROP	Property Boundary	RSRV	Reserve
Survey Mapping	PROP	Property Boundary	SBCK	Setback Lines
Survey Mapping	PROP	Property Boundary	SECT	Section Boundary
Survey Mapping	PROP	Property Boundary	SUBD	Interior Lines
Survey Mapping	PROP	Property Boundary	SXTS	Sixteenth Section
Survey Mapping	PVMT	Pavement	ASPH	Asphalt Surface
Survey Mapping	PVMT	Pavement	CONC	Concrete Surface
Survey Mapping	PVMT	Pavement	GRVL	Gravel Surface
Survey Mapping	RAIL	Railroad	CNTR	Centerline of Tracks
Survey Mapping	RAIL	Railroad	EQPM	Equipment
Survey Mapping	RAIL	Railroad	TRAK	Tracks
Survey Mapping	RIVR	River	BOTM	Bottom of Bank
Survey Mapping	RIVR	River	CNTR	Centerline of River
Survey Mapping	RIVR	River	EDGE	Edge of River
Survey Mapping	RIVR	River	TOPB	Top of Bank
Survey Mapping	ROAD	Roads, Streets and Highways	ASPH	Asphalt Surface
Survey Mapping	ROAD	Roads, Streets and Highways	CNTR	Centerline of Road
Survey Mapping	ROAD	Roads, Streets and Highways	CONC	Concrete Surface
Survey Mapping	ROAD	Roads, Streets and Highways	CURB	Curb
Survey Mapping	ROAD	Roads, Streets and Highways	CURB-BACK	Curb Back
Survey Mapping	ROAD	Roads, Streets and Highways	CURB-FACE	Curb Face
Survey Mapping	ROAD	Roads, Streets and Highways	FLNE	Fire Lane
Survey Mapping	ROAD	Roads, Streets and Highways	GRVL	Gravel Surface
Survey Mapping	ROAD	Roads, Streets and Highways	MRKG	Pavement Markings
Survey Mapping	ROAD	Roads, Streets and Highways	UPVD	Unpaved Surface
Survey Mapping	RWAY	Right of Way	CNTR	Centerline of Right of Way
Survey Mapping	RWAY	Right of Way	CTLA	Controlled Access
Survey Mapping	RWAY	Right of Way	LINE	Lines



Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Survey Mapping	RWAY	Right of Way	LMTA	Limited Access
Survey Mapping	RWAY	Right of Way	MRKR	Marker
Survey Mapping	RWAY	Right of Way	STAN	Stationing
Survey Mapping	SITE	Site Features	EWAT	Edge of Water
Survey Mapping	SITE	Site Features	FENC	Fences
Survey Mapping	SITE	Site Features	ROCK	Rock
Survey Mapping	SITE	Site Features	RTWL	Retaining Wall
Survey Mapping	SITE	Site Features	SIGN	Signs
Survey Mapping	SITE	Site Features	VEGE	Trees, Shrubs and Other Vegetation
Survey Mapping	SSWR	Sanitary Sewer System	MHOL	Manhole
Survey Mapping	SSWR	Sanitary Sewer System	PIPE	Piping
Survey Mapping	SSWR	Sanitary Sewer System	STRC	Structures
Survey Mapping	SSWR	Sanitary Sewer System	UNDR	Underground Piping
Survey Mapping	STEM	Steam System	INST	Instrumentation
Survey Mapping	STEM	Steam System	MHOL	Manhole
Survey Mapping	STEM	Steam System	PIPE	Piping
Survey Mapping	STEM	Steam System	STRC	Structures
Survey Mapping	STEM	Steam System	UNDR	Underground Piping
Survey Mapping	STRM	Storm Sewer System	DTCH	Storm Drainage Ditch
Survey Mapping	STRM	Storm Sewer System	MHOL	Manhole
Survey Mapping	STRM	Storm Sewer System	PIPE	Piping
Survey Mapping	STRM	Storm Sewer System	POND	Storm Drainage Pond
Survey Mapping	STRM	Storm Sewer System	STRC	Structures
Survey Mapping	STRM	Storm Sewer System	UNDR	Underground Piping
Survey Mapping	SURV	Survey	DATA	Data
Survey Mapping	SURV	Survey	LINE	Control Line
Survey Mapping	SWLK	Sidewalk	ASPH	Asphalt Surface
Survey Mapping	SWLK	Sidewalk	CONC	Concrete Surface
Survey Mapping	TOPO	Topography	BORE	Test Borings
Survey Mapping	TOPO	Topography	EWAT	Edge of Water
Survey Mapping	TOPO	Topography	GRID	Coordinate Grid
Survey Mapping	TOPO	Topography	MAJR	Major Contours
Survey Mapping	TOPO	Topography	MINR	Minor Contours
Survey Mapping	TOPO	Topography	SOUN	Soundings
Survey Mapping	TOPO	Topography	SPOT	Spot Elevations
Survey Mapping	UNID	Unidentified Site Objects	CABL	Cable
Survey Mapping	UNID	Unidentified Site Objects	PIPE	Piping
Survey Mapping	UNID	Unidentified Site Objects	TANK	Storage Tanks
Survey Mapping	UNID	Unidentified Site Objects	UTIL	Utilities
Survey Mapping	UNID	Unidentified Site Objects	UTIL-OVHD	Utility Lines Overhead
Survey Mapping	UNID	Unidentified Site Objects	UTIL-UNDR	Utility Lines Underground
Survey Mapping	WATR	Water Supply	INST	Instrumentation

Major and Minor Codes for Each Level 1 Designation				
Level 1 Name	Major Name	Major Description	Minor Name	Minor Description
Survey Mapping	WATR	Water Supply	MHOL	Manhole
Survey Mapping	WATR	Water Supply	PIPE	Piping
Survey Mapping	WATR	Water Supply	STRC	Structures
Survey Mapping	WATR	Water Supply	UNDR	Underground Piping
<b>Telecommunications</b>				
Telecommunications	CABL	Cable System	COAX	Coaxial
Telecommunications	CABL	Cable System	FIBR	Fiber Optic
Telecommunications	CABL	Cable System	MULT	Multi Conductor
Telecommunications	CABL	Cable System	TRAY	Cable Tray and Wireway

Common Layer Types		
Level 1 Name	Common Name	Common Description
<b>Architectural</b>		
Architectural	CASE	Casework
Architectural	FIXT	Fixture
Architectural	GRID	Grid
Architectural	SIGN	Signage
Architectural	FNSH	Finish
<b>Electrical</b>		
Electrical	RISR	Riser Diagram
Electrical	1LIN	One Line Diagrams
<b>Equipment</b>		
Equipment	PIPE	Piping
Equipment	OTLN	Outline
<b>Interiors</b>		
Interiors	CASE	Casings
Interiors	FNSH	Finishes
Interiors	FIXT	Fixtures
Interiors	SIGN	Signage
Interiors	GRID	Grid
<b>Real Estate</b>		
Real Estate	COMN	Building common Polyline
Real Estate	GROS	Construction Gross Polyline
Real Estate	FCOMN	Floor Common Polyline
Real Estate	GROS	Floor Gross Polyline
Real Estate	LEAS	Lease Boundary Polyline

Real Estate	ROOM	Room Polylines in Tenant Space.
Real Estate	STRS	Elevators, Stairs and Escalator Polylines
Real Estate	VERT	Vertical Penetration Polylines
<b>Structural</b>		
Structural	RBAR	Reinforcing Bar
Structural	ABLT	Anchor Bolts
Structural	METL	Metals
Structural	RBAR-TOP2	Reinforcing Bar-Top Group 2
Structural	GRAT-OVHD	Grates Overhead
Structural	RBAR-BOT1	Reinforcing Bar-Bottom Group 1
Structural	RBAR-BOT2	Reinforcing Bar-Bottom Group 2
Structural	RBAR-TOP1	Reinforcing Bar-Top Group 1
Structural	GRAT	Grates
<b>Telecommunications</b>		
Telecommunications	1LIN	One Line Diagram
Telecommunications	RISR	Riser Diagrams
Telecommunications	DIAG	Diagrams
Telecommunications	EQPM	Equipment
Telecommunications	JACK	Jacks
Telecommunications	JBOX	Junction Box

<b>Annotation Table</b>	
<b>Annotation Name</b>	<b>Annotation Description</b>
ANNO	Annotation
BRNG	Bearings
DIMS	Dimensions
IDEN	Identification
KEYN	Keynotes
LABL	Labels
LEGN	Legends
MARK	Markers
MATC	Match Lines
NOTE	Notes
NPLT	Non Plotting Info
RDME	Readme Layer
REDL	Redlines
REFR	Reference Files
REVC	Revision Clouds
REVS	Revisions

<b>Annotation Table continued</b>	
<b>Annotation Name</b>	<b>Annotation Description</b>
SCHD	Schedules
SYMB	Reference Symbols
TEXT	Text
TABL	Data Tables
TITL	Draw or Detail Titles
TTLB	Border or Title Block

<b>Status Table</b>	
<b>Name</b>	<b>Designator</b>
New Work	N
Existing to Remain	E
Existing to Demolish	D
Future Work	F
Temporary Work	T
Items to be Moved	M
Not in Contract	X
Phase 1	1
Phase 2	2
Phase 3	3
Phase 4	4
Phase 5	5
Phase 6	6
Phase 7	7
Phase 8	8
Phase 9	9

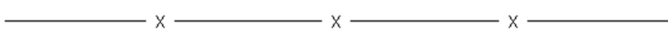



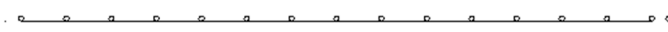






### 6.3 Linetype Library Standards

Note: The linetype library is meant to be a resource and guideline for users that need standardized linetypes but is NOT REQUIRED for the CAD Data Submission process.

## 6.4 Linetype Library

The following graphics show all the available linetypes available to the user via the AutoCAD Linetype command.

### Site Plan

BARBWIRE_1	
BARBWIRE_2	
CHAINLINK_1	
CHAINLINK_2	
GUARD_L	
GUARD_R	
STOCKADE_1	
STACKADE_2	
STONEWALL	
TREELINE_L	
TREELINE_R	

### General Requirements

CENTERLINE_INDICATOR	
DEMOLITION	
HIDDEN_FEATURES	
FEATURES_ABOVE	
PROPERTY_LINE	
CONTRACT_LIMIT	
FIRE_RESISTIVE_1	
FIRE_RESISTIVE_2	
FIRE_RESISTIVE_3	
FIRE_RESISTIVE_4	

**Site Construction**

COLD_WATER_PIPING	_____ CW _____ CW _____ CW _____
HOT_WATER_PIPING	_____ HW _____ HW _____ HW _____
SANITARY_SEWER	_____ SS _____ SS _____ SS _____
STORM_SEWER	_____ ST _____ ST _____ ST _____
CHILLED_WATER_RETURN	_____ CWR _____ CWR _____ CWR _____
CHILLED_WATER_SUPPLY	_____ CWS _____ CWS _____ CWS _____
ELECTRIC_2PLINE_PRIMARY_OVERHEAD	_____ 2ØP _____ 2ØP _____ 2ØP _____
ELECTRIC_2PLINE_PRIMARY_UNDERGROUND	_____ 2ØUP _____ 2ØUP _____ 2ØUP _____
ELECTRIC_2PLINE_SECONDARY_OVERHEAD	_____ 2ØDS _____ 2ØDS _____ 2ØDS _____
ELECTRIC_2PLINE_SECONDARY_UNDERGROUND	_____ 2ØUS _____ 2ØUS _____ 2ØUS _____
ELECTRIC_3PLINE_PRIMARY_OVERHEAD	_____ 3ØP _____ 3ØP _____ 3ØP _____
ELECTRIC_3PLINE_PRIMARY_UNDERGROUND	_____ 3ØUP _____ 3ØUP _____ 3ØUP _____
ELECTRIC_3PLINE_SECONDARY_OVERHEAD	_____ 3ØDS _____ 3ØDS _____ 3ØDS _____
ELECTRIC_3PLINE_SECONDARY_UNDERGROUND	_____ 3ØUS _____ 3ØUS _____ 3ØUS _____
ELECTRIC_1PLINE_PRIMARY_OVERHEAD	_____ 1ØP _____ 1ØP _____ 1ØP _____
ELECTRIC_1PLINE_PRIMARY_UNDERGROUND	_____ 1ØUP _____ 1ØUP _____ 1ØUP _____
ELECTRIC_1PLINE_SECONDARY_OVERHEAD	_____ 1ØDS _____ 1ØDS _____ 1ØDS _____
ELECTRIC_1PLINE_SECONDARY_UNDERGROUND	_____ 1ØUS _____ 1ØUS _____ 1ØUS _____

### Special Construction

PIPELINE_CULVERT	_____ CP _____ CP _____ CP _____
FENCELINE_SECURITY	_____ X _____ X _____ X _____ X _____
FIRELINE	_____ F _____ F _____ F _____
FIRE_PROTECTION_SPRINKLER	_____ SP _____ SP _____ SP _____
FIRE_PROTECTION_MAIN	_____ S _____ S _____ S _____
WATERMAIN_LINE	_____ PW _____ PW _____ PW _____
STANDPIPE_COMBINATION_LINE	_____ CSP _____ CSP _____ CSP _____
STANDPIPE_DRY_LINE	_____ DSP _____ DSP _____ DSP _____
STANDPIPE_WET_LINE	_____ WSP _____ WSP _____ WSP _____

**Mechanical**

**Pipelines**

PIPELINE_CAST_IRON	_____ CI _____ CI _____ CI _____
PIPELINE_CHEMICAL_SUPPLY	_____ CS _____ CS _____ CS _____
PIPELINE_CLAY_TILE	_____ CT _____ CT _____ CT _____
PIPELINE_DUCTILE_IRON	_____ DI _____ DI _____ DI _____
PIPELINE_REINFORCED_CONCRETE	_____ RCP _____ RCP _____ RCP _____

**Water Lines**

WATER_LINE_COLD	_____
WATER_LINE_DRINKING_RETURN	_____ DWR _____ DWR _____ DWR _____
WATER_LINE_DRINKING_SUPPLY	_____ DWS _____ DWS _____ DWS _____
WATER_LINE_SOFT	_____ SW _____ SW _____ SW _____
WATER_LINE_TEMPERED_SUPPLY	_____ TWS _____ TWS _____ TWS _____
WATER_LINE_TEMPERED_RETURN	_____ TWR _____ TWR _____ TWR _____
DRAINLINE	_____ D _____ D _____ D _____
DRAINLINE_INDIRECT	_____ IW _____ IW _____ IW _____

**Waste Lines**

WASTE_LINE_AND_VENT	_____ SV _____ SV _____ SV _____
WASTE_LINE_SANITARY_SOIL_ABOVE	_____ SS _____ SS _____ SS _____
WASTE_LINE_SANITARY_SOIL_BELOW	_____ SS _____ SS _____ SS _____
WASTE_LINE_STORM_SOIL_ABOVE	_____ SD _____ SD _____ SD _____
WASTE_LINE_STORM_SOIL_BELOW	_____ SD _____ SD _____ SD _____



**Condensate, Refrigerants, Steam Lines**

CONDENSATE_LINE	_____ C _____ C _____ C _____
CONDENSATE_DRAIN	_____ ST _____ ST _____ ST _____
CONDENSATE_PUMPED	_____ PC _____ PC _____ PC _____
REFRIGERANT_DISCHARGE_LINE	_____ RD _____ RD _____ RD _____
REFRIGERANT_LIQUID_LINE	_____ RL _____ RL _____ RL _____
REFRIGERANT_SUCTION_LINE	_____ RS _____ RS _____ RS _____
CONDENSER_WATER_RETURN_LINE	_____ CR _____ CR _____ CR _____
DUAL_TEMP_RETURN_LINE	_____ DTR _____ DTR _____ DTR _____
HIGH_PRESSURE_CONDENSATE_RETURN_LINE	_____ HPC _____ HPC _____ HPC _____
HIGH_TEMP_HOT_WATER_RETURN_LINE	_____ HTWR _____ HTWR _____ HTWR _____
LOW_PRESSURE_CONDENSATE_RETURN_LINE	_____ LPC _____ LPC _____ LPC _____
LOW_TEMP_HOT_WATER_RETURN_LINE	_____ HWR _____ HWR _____ HWR _____
MED_PRESSURE_CONDENSATE_RETURN_LINE	_____ MPC _____ MPC _____ MPC _____

**Fuel Oil Lines**

FUELOIL_DISCHARGE_LINE	_____ FOD _____ FOD _____ FOD _____
FUELOIL_FLOW_LINE	_____ FOF _____ FOF _____ FOF _____
FUELOIL_GAUGE_LINE	_____ FOG _____ FOG _____ FOG _____
FUELOIL_SUCTION_SUPPLY_LINE	_____ FOS _____ FOS _____ FOS _____
FUELOIL_TANK_VENT_LINE	_____ FOV _____ FOV _____ FOV _____
AIR_RELIEF_LINE	_____ ATV _____ ATV _____ ATV _____
FILL_LINE	_____ FILL _____ FILL _____ FILL _____
BRINE_RETURN_LINE	_____ BR _____ BR _____ BR _____
GLYCOL_HEATING_RETURN_LINE	_____ GHR _____ GHR _____ GHR _____
BRINE_SUPPLY_LINE	_____ B _____ B _____ B _____
GLYCOL_HEATING_SUPPLY_LINE	_____ GHS _____ GHS _____ GHS _____

### Medical Gas Lines

ARGON_LINE	_____	AR	_____	AR	_____	AR	_____
COMPRESSED_AIR_LINE	_____	A	_____	A	_____	A	_____
GAS_LINE_HIGH_PRESSURE	_____	HG	_____	HG	_____	HG	_____
GAS_LINE_LIQUID_PETRO	_____	LPG	_____	LPG	_____	LPG	_____
GAS_LINE_LOW_PRESSURE	_____	G	_____	G	_____	G	_____
GAS_LINE_MED_PRESSURE	_____	MG	_____	MG	_____	MG	_____
HELIUM_LINE	_____	HE	_____	HE	_____	HE	_____
HYDROGEN_LINE	_____	H	_____	H	_____	H	_____
LIQUID_NITROGEN_LINE	_____	LN	_____	LN	_____	LN	_____
LIQUID_OXYGEN_LINE	_____	LOX	_____	LOX	_____	LOX	_____
NITROGEN_LINE	_____	N	_____	N	_____	N	_____
NITROUS_OXIDE_LINE	_____	NO	_____	NO	_____	NO	_____
OXYGEN_LINE	_____	O	_____	O	_____	O	_____

### Industrial Lines

WASTE_LINE_ACID	_____	ACID	_____	ACID	_____	ACID	_____
INDUSTRIAL_HOT_WATER_RETURN_LINE	_____	IHR	_____	IHR	_____	IHR	_____
INDUSTRIAL_HOT_WATER_SUPPLY_LINE	_____	IHW	_____	IHW	_____	IHW	_____
INDUSTRIAL_WASTE_LINE	_____	INW	_____	INW	_____	INW	_____
INDUSTRIAL_COLD_WATER_SUPPLY_LINE	_____	ICW	_____	ICW	_____	ICW	_____
HUMIDIFICATION_LINE	_____	H	_____	H	_____	H	_____

**Electrical**

RIGID_CONDUIT_LINE	_____	RC	_____	RC	_____	RC	_____
FIBEROPTICS_LINE	_____	FD	_____	FD	_____	FD	_____
TELEPHONE_LINE	_____	T	_____	T	_____	T	_____
CABLE_TELEVISION	_____	CATV	_____	CATV	_____	CATV	_____
DATA_CABLE	_____	DATA	_____	DATA	_____	DATA	_____

# Section 7: Complete IO Layer Name List

## Infrastructure Ontario

### CAD Standards and Guidelines



**Infrastructure Ontario**  
1 Dundas Street West  
Suite 2000, 20<sup>th</sup> Floor  
Toronto, ON, M5G 2L5

August 8th, 2022  
Version 8.0

**Contents**

7.1 Introduction ..... 3

7.2 Architectural Layers ..... 3

7.3 Civil Layers ..... 13

7.4 Electrical Layers ..... 44

7.5 Equipment Layers ..... 50

7.6 Fire Protection Layers ..... 52

7.7 General Layers..... 56

7.8 Geotechnical Layers ..... 61

7.9 Hazardous Materials Layers..... 63

7.10 Interiors Layers..... 64

7.11 Landscape Layers ..... 69

7.12 Mechanical Layers..... 72

7.13 Plumbing Layers ..... 89

7.14 Real Estate Layers ..... 93

7.15 Structural Layers ..... 94

7.16 Survey Mapping Layers..... 106

7.17 Telecommunications Layers..... 131

7.18 Status Extensions Layers..... 145

## 7.1 Introduction

Accepted layer names are found within the IO CAD Standards tool and are also provided in the next section. Note: Most commonly used items are bolded for quick reference.

## 7.2 Architectural Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>A-ANNO</b>	<b>Architectural-Annotation</b>
A-ANNO-BRNG	Architectural-Annotation-Bearings
A-ANNO-CASE	Architectural-Annotation-Casework
A-ANNO-DIMS	Architectural-Annotation- <b>Plan Dimensions</b>
A-ANNO-FIXT	Architectural-Annotation-Fixture
A-ANNO-FNSH	Architectural-Annotation-Finish
A-ANNO-GRID	Architectural-Annotation-Grid
A-ANNO-IDEN	Architectural-Annotation-Identification – <b>Construction Phase Demarcation Lines</b>
A-ANNO-KEYN	Architectural-Annotation-Keynotes
A-ANNO-LABL	Architectural-Annotation-Labels
A-ANNO-MARK	Architectural-Annotation-Markers
A-ANNO-MATC	Architectural-Annotation-Match Lines
A-ANNO-NOTE	Architectural-Annotation-Notes
A-ANNO-NPLT	Architectural-Annotation-Non Plotting Info
A-ANNO-PATT	Architectural-Annotation-Hatch Pattern
A-ANNO-RDME	Architectural-Annotation-Readme Layer
A-ANNO-REDL	Architectural-Annotation-Redlines
A-ANNO-REFR	Architectural-Annotation- <b>Reference Bubbles on Plan – Arch. Plans on M+E drawings</b>
A-ANNO-REVC	Architectural-Annotation- <b>Revision Clouds</b>
A-ANNO-REVS	Architectural-Annotation- <b>Revisions</b>
A-ANNO-SIGN	Architectural-Annotation-Signage
A-ANNO-SYMB	Architectural-Annotation- <b>Cut Symbols on Plan</b>
A-ANNO-TABL	Architectural-Annotation-Data Tables
A-ANNO-TEXT	Architectural-Annotation-Text
<b>A-AREA</b>	<b>Architectural-Area</b>
A-AREA-BRNG	Architectural-Area-Bearings
A-AREA-CASE	Architectural-Area-Casework

A-AREA-DIMS	Architectural-Area-Dimensions
A-AREA-FIXT	Architectural-Area-Fixture
A-AREA-FNSH	Architectural-Area-Finish
A-AREA-GRID	Architectural-Area-Grid
A-AREA-IDEN	Architectural-Area-Identification – <b>Area Polyline and Hatch on Plan</b>
A-AREA-KEYN	Architectural-Area-Keynotes
A-AREA-LABL	Architectural-Area-Labels
A-AREA-MARK	Architectural-Area-Markers – <b>Interior Parking Spots (Triangular Markings)</b>
A-AREA-MATC	Architectural-Area-Match Lines
A-AREA-NOTE	Architectural-Area-Notes
A-AREA-NPLT	Architectural-Area-Non Plotting Info
A-AREA-OCCP	Architectural-Area-Occupant or Employee Names
A-AREA-PATT	Architectural-Area-Hatch Pattern
A-AREA-RDME	Architectural-Area-Readme Layer
A-AREA-REDL	Architectural-Area-Redlines
A-AREA-REFR	Architectural-Area-Reference Files
A-AREA-REVC	Architectural-Area-Revision Clouds
A-AREA-REVS	Architectural-Area-Revisions
A-AREA-SIGN	Architectural-Area-Signage
A-AREA-SYMB	Architectural-Area-Reference Symbols
A-AREA-TABL	Architectural-Area-Data Tables
A-AREA-TEXT	Architectural-Area-Text

<b>A-CLNG</b>	<b>Architectural-Ceiling</b>
---------------	------------------------------

A-CLNG-ACCS	Architectural-Ceiling-Access
A-CLNG-BRNG	Architectural-Ceiling-Bearings
A-CLNG-CASE	Architectural-Ceiling-Casework – <b>Ceiling Bulkheads</b>
A-CLNG-DIMS	Architectural-Ceiling-Dimensions – <b>Ceiling Heights &amp; Dimensions</b>
A-CLNG-FIXT	Architectural-Ceiling-Fixture – <b>Plenum Insulation – Plenum Baffle</b>
A-CLNG-FNSH	Architectural-Ceiling-Finish
A-CLNG-GRID	Architectural-Ceiling-Grid – <b>T-Bar Ceiling Grid Lines</b>
A-CLNG-IDEN	Architectural-Ceiling-Identification
A-CLNG-KEYN	Architectural-Ceiling-Keynotes
A-CLNG-LABL	Architectural-Ceiling-Labels
A-CLNG-MARK	Architectural-Ceiling-Markers
A-CLNG-MATC	Architectural-Ceiling-Match Lines
A-CLNG-NOTE	Architectural-Ceiling-Notes
A-CLNG-NPLT	Architectural-Ceiling-Non Plotting Info

A-CLNG-OPEN	Architectural-Ceiling-Openings
A-CLNG-PATT	Architectural-Ceiling-Hatch Pattern – <b>Drywall Bulkhead Hatch Pattern</b>
A-CLNG-RDME	Architectural-Ceiling-Readme Layer
A-CLNG-REDL	Architectural-Ceiling-Redlines
A-CLNG-REFR	Architectural-Ceiling-Reference Files
A-CLNG-REVC	Architectural-Ceiling-Revision Clouds
A-CLNG-REVS	Architectural-Ceiling-Revisions
A-CLNG-SIGN	Architectural-Ceiling-Signage
A-CLNG-SUSP	Architectural-Ceiling-Suspended Elements – <b>T-Bar Ceiling Tiles</b>
A-CLNG-SYMB	Architectural-Ceiling-Reference Symbols
A-CLNG-TABL	Architectural-Ceiling-Data Tables
A-CLNG-TEES	Architectural-Ceiling-Main Tees
A-CLNG-TEXT	Architectural-Ceiling-Text

<b>A-COLS</b>	<b>Architectural-Columns (See Structural Layer List)</b>

<b>A-CONV</b>	<b>Architectural-Conveyors</b>

A-CONV-BRNG	Architectural-Conveyors-Bearings
A-CONV-CASE	Architectural-Conveyors-Casework
A-CONV-DIMS	Architectural-Conveyors-Dimensions
A-CONV-FIXT	Architectural-Conveyors-Fixture
A-CONV-FNSH	Architectural-Conveyors-Finish
A-CONV-GRID	Architectural-Conveyors-Grid
A-CONV-IDEN	Architectural-Conveyors-Identification
A-CONV-KEYN	Architectural-Conveyors-Keynotes
A-CONV-LABL	Architectural-Conveyors-Labels
A-CONV-MARK	Architectural-Conveyors-Markers
A-CONV-MATC	Architectural-Conveyors-Match Lines
A-CONV-NOTE	Architectural-Conveyors-Notes
A-CONV-NPLT	Architectural-Conveyors-Non Plotting Info
A-CONV-PATT	Architectural-Conveyors-Hatch Pattern
A-CONV-RDME	Architectural-Conveyors-Readme Layer
A-CONV-REDL	Architectural-Conveyors-Redlines
A-CONV-REFR	Architectural-Conveyors-Reference Files
A-CONV-REVC	Architectural-Conveyors-Revision Clouds
A-CONV-REVS	Architectural-Conveyors-Revisions
A-CONV-SIGN	Architectural-Conveyors-Signage
A-CONV-SYMB	Architectural-Conveyors-Reference Symbols



A-CONV-TABL	Architectural-Conveyors-Data Tables
A-CONV-TEXT	Architectural-Conveyors-Text
<b>A-DETL</b>	<b>Architectural-Detail</b>
A-DETL-BRNG	Architectural-Detail-Bearings
A-DETL-CASE	Architectural-Detail-Casework
A-DETL-DIMS	Architectural-Detail-Dimensions
A-DETL-DIMS	Architectural-Detail-Dimensions
A-DETL-FIXT	Architectural-Detail-Fixture
A-DETL-FNSH	Architectural-Detail-Finish
A-DETL-GRID	Architectural-Detail-Grid – <b>Detail Structural Grid Lines</b>
A-DETL-IDEN	Architectural-Detail-Identification
A-DETL-KEYN	Architectural-Detail-Keynotes
A-DETL-LABL	Architectural-Detail-Labels
A-DETL-MARK	Architectural-Detail-Markers – <b>Detail Height Level Markers</b>
A-DETL-MATC	Architectural-Detail-Match Lines
A-DETL-NOTE	Architectural-Detail-Notes
A-DETL-NPLT	Architectural-Detail-Non Plotting Info – <b>Detail Wipeouts</b>
A-DETL-OTLN	Architectural-Detail-Outline – <b>All Detail Solid Line Work</b>
A-DETL-OTLN-HIDN	Architectural-Detail-Outline Hidden – <b>All Detail Dashed/Hidden Line Work</b>
A-DETL-PATT	Architectural-Detail-Hatch Pattern – <b>Detail Hatch Patterns</b>
A-DETL-RDME	Architectural-Detail-Readme Layer
A-DETL-REDL	Architectural-Detail-Redlines
A-DETL-REFR	Architectural-Detail-Reference Files – <b>Detail Reference Bubbles</b>
A-DETL-REVC	Architectural-Detail-Revision Clouds
A-DETL-REVS	Architectural-Detail-Revisions
A-DETL-SIGN	Architectural-Detail-Signage
A-DETL-SYMB	Architectural-Detail-Reference Symbols – <b>Detail Cut Symbols</b>
A-DETL-TABL	Architectural-Detail-Data Tables
A-DETL-TEXT	Architectural-Detail-Text – <b>Detail Text &amp; Leaders</b>
<b>A-DOOR</b>	<b>Architectural-Doors</b>
A-DOOR-BRNG	Architectural-Doors-Bearings
A-DOOR-CASE	Architectural-Doors-Casework – <b>Orphaned door frames on Plan</b>
A-DOOR-DIMS	Architectural-Doors-Dimensions
A-DOOR-FIXT	Architectural-Doors-Fixture – <b>Kick Plates</b>
A-DOOR-FNSH	Architectural-Doors-Finish

A-DOOR-FULL	Architectural-Doors-Full Height Swing and Leaf – <b>All Doors and Frames</b>
A-DOOR-GRID	Architectural-Doors-Grid
A-DOOR-IDEN	Architectural-Doors-Identification – Door Numbers on Plan
A-DOOR-KEYN	Architectural-Doors-Keynotes
A-DOOR-LABL	Architectural-Doors-Labels
A-DOOR-MARK	Architectural-Doors-Markers
A-DOOR-MATC	Architectural-Doors-Match Lines
A-DOOR-NOTE	Architectural-Doors-Notes
A-DOOR-NPLT	Architectural-Doors-Non Plotting Info
A-DOOR-PATT	Architectural-Doors-Hatch Pattern
A-DOOR-PRHT	Architectural-Doors-Partial Height Swing and Leaf
A-DOOR-RDME	Architectural-Doors-Readme Layer
A-DOOR-REDL	Architectural-Doors-Redlines
A-DOOR-REFR	Architectural-Doors-Reference Files
A-DOOR-REVC	Architectural-Doors-Revision Clouds
A-DOOR-REVS	Architectural-Doors-Revisions
A-DOOR-SIGN	Architectural-Doors-Signage
A-DOOR-SYMB	Architectural-Doors-Reference Symbols
A-DOOR-TABL	Architectural-Doors-Data Tables
A-DOOR-TEXT	Architectural-Doors-Text
<b>A-EQPM</b>	<b>Architectural-Equipment (Case Work Around Equipment)</b>
A-EQPM-ACCS	Architectural-Equipment-Access – <b>Equipment &amp; Roof Access Doors on Plan</b>
A-EQPM-BRNG	Architectural-Equipment-Bearings
A-EQPM-CASE	Architectural-Equipment-Casework
A-EQPM-DIMS	Architectural-Equipment-Dimensions
A-EQPM-FIXD	Architectural-Equipment-Fixed Equipment – <b>Walk-In Coolers &amp; Freezers</b>
A-EQPM-FIXT	Architectural-Equipment-Fixture – <b>Trash Compactors on Site – Mop Brackets Fixed to Wall</b>
A-EQPM-FNSH	Architectural-Equipment-Finish
A-EQPM-GRID	Architectural-Equipment-Grid
A-EQPM-IDEN	Architectural-Equipment-Identification
A-EQPM-KEYN	Architectural-Equipment-Keynotes
A-EQPM-LABL	Architectural-Equipment-Labels
A-EQPM-MARK	Architectural-Equipment-Markers
A-EQPM-MATC	Architectural-Equipment-Match Lines
A-EQPM-MOVE	Architectural-Equipment-Movable Equipment
A-EQPM-NICN	Architectural-Equipment-Not in Contract

A-EQPM-NOTE	Architectural-Equipment-Notes
A-EQPM-NPLT	Architectural-Equipment-Non Plotting Info
A-EQPM-OVHD	Architectural-Equipment-Overhead – <b>Door Opener over Door</b>
A-EQPM-PATT	Architectural-Equipment-Hatch Pattern
A-EQPM-RDME	Architectural-Equipment-Readme Layer
A-EQPM-REDL	Architectural-Equipment-Redlines
A-EQPM-REFR	Architectural-Equipment-Reference Files
A-EQPM-REVC	Architectural-Equipment-Revision Clouds
A-EQPM-REVS	Architectural-Equipment-Revisions
A-EQPM-SIGN	Architectural-Equipment-Signage
A-EQPM-SYMB	Architectural-Equipment-Reference Symbols
A-EQPM-TABL	Architectural-Equipment-Data Tables
A-EQPM-TEXT	Architectural-Equipment-Text

<b>A-FLOR</b>	<b>Architectural-Floor</b>
---------------	----------------------------

A-FLOR-BRNG	Architectural-Floor-Bearings
A-FLOR-CASE	Architectural-Floor-Casework – <b>All Millwork on Plan Including Closet Shelving.</b>
A-FLOR-DIMS	Architectural-Floor-Dimensions
A-FLOR-EVTR	Architectural-Floor-Elevator Cars and Equipment
A-FLOR-FIXT	Architectural-Floor-Fixture – <b>Raised Curbs on Plan</b>
A-FLOR-FNSH	Architectural-Floor-Finish – <b>All Floor Finishes on Plan</b>
A-FLOR-GRID	Architectural-Floor-Grid
A-FLOR-HRAL	Architectural-Floor-Hand Rails Guard Rails – <b>Stair Handrails on Plan</b>
A-FLOR-IDEN	Architectural-Floor-Identification – <b>Room Numbers on Plan</b>
A-FLOR-KEYN	Architectural-Floor-Keynotes
A-FLOR-LABL	Architectural-Floor-Labels – <b>Room Names on Plan</b>
A-FLOR-LEVL	Architectural-Floor- <b>Level Changes Ramps Pits Depressions – Concrete Pads &amp; Curbs or S-SLAB-CONC</b>
A-FLOR-MARK	Architectural-Floor-Markers
A-FLOR-MATC	Architectural-Floor-Match Lines
A-FLOR-NOTE	Architectural-Floor-Notes – <b>Millwork Identification</b>
A-FLOR-NPLT	Architectural-Floor-Non Plotting Info
A-FLOR-OTLN	Architectural-Floor-Outline – <b>Floor Outline &amp; Vertical Penetrations</b>
A-FLOR-OVHD	Architectural-Floor-Overhead objects above
A-FLOR-PATT	Architectural-Floor-Hatch Pattern – <b>Floor Finish Hatch Patterns</b>
A-FLOR-RAIS	Architectural-Floor-Raised
A-FLOR-RDME	Architectural-Floor-Readme Layer
A-FLOR-REDL	Architectural-Floor-Redlines
A-FLOR-REFR	Architectural-Floor-Reference Files

A-FLOR-REVC	Architectural-Floor-Revision Clouds
A-FLOR-REVS	Architectural-Floor-Revisions
A-FLOR-RISR	Architectural-Floor-Stair Risers
A-FLOR-SIGN	Architectural-Floor-Signs
A-FLOR-SIGN	Architectural-Floor-Signage
A-FLOR-SPCL	Architectural-Floor-Specialties toilet room accessories – <b>All Plumbing Fixtures incl. Mirrors</b>
A-FLOR-STRS	Architectural-Floor-Stair Treads Escalators Ladders – <b>All Interior Stairs &amp; Escalators</b>
A-FLOR-SYMB	Architectural-Floor-Reference Symbols
A-FLOR-TABL	Architectural-Floor-Data Tables
A-FLOR-TEXT	Architectural-Floor-Text
A-FLOR-TITL	Architectural-Floor-Draw or Detail Titles
A-FLOR-TPTN	Architectural-Floor-Toilet Partitions – <b>Washroom Stalls &amp; Doors</b>
A-FLOR-WDWK	Architectural-Floor-Woodwork

<b>A-FURN</b>	<b>Architectural-Furnishings (Lockers and Benches)</b>
---------------	--

A-FURN-BRNG	Architectural-Furnishings-Bearings
A-FURN-DIMS	Architectural-Furnishings-Dimensions
A-FURN-FIXD	Architectural-Furnishings- <b>Fixed in Place – Bathtub Swing for Barrier-Free.</b>
A-FURN-FIXT	Architectural-Furnishings-Fixture – <b>Lockers &amp; Change Room Benches Mail Boxes Coat Hooks</b>
A-FURN-FNSH	Architectural-Furnishings-Finish
A-FURN-GRID	Architectural-Furnishings-Grid
A-FURN-IDEN	Architectural-Furnishings-Identification
A-FURN-KEYN	Architectural-Furnishings-Keynotes
A-FURN-LABL	Architectural-Furnishings-Labels
A-FURN-MARK	Architectural-Furnishings-Markers
A-FURN-MATC	Architectural-Furnishings-Match Lines
A-FURN-NOTE	Architectural-Furnishings-Notes
A-FURN-NPLT	Architectural-Furnishings-Non Plotting Info
A-FURN-PATT	Architectural-Furnishings-Hatch Pattern
A-FURN-PNLS	Architectural-Furnishings-System Panels
A-FURN-RDME	Architectural-Furnishings-Readme Layer
A-FURN-REDL	Architectural-Furnishings-Redlines
A-FURN-REFR	Architectural-Furnishings-Reference Files
A-FURN-REVC	Architectural-Furnishings-Revision Clouds
A-FURN-REVS	Architectural-Furnishings-Revisions
A-FURN-SYMB	Architectural-Furnishings-Reference Symbols

A-FURN-TEXT	Architectural-Furnishings-Text
-------------	--------------------------------



<b>A-GLAZ</b>	<b>Architectural-Glazing</b>
---------------	------------------------------

A-GLAZ-BRNG	Architectural-Glazing-Bearings
A-GLAZ-CASE	Architectural-Glazing-Casework
A-GLAZ-DIMS	Architectural-Glazing-Dimensions
A-GLAZ-FIXT	Architectural-Glazing-Fixture – <b>Window Shades and Blinds</b>
A-GLAZ-FNSH	Architectural-Glazing-Finish
A-GLAZ-FULL	Architectural-Glazing-Full Height – <b>All Glazing on Plan incl. Windows &amp; Sidelights</b>
A-GLAZ-GRID	Architectural-Glazing-Grid
A-GLAZ-IDEN	Architectural-Glazing-Identification
A-GLAZ-KEYN	Architectural-Glazing-Keynotes
A-GLAZ-LABL	Architectural-Glazing-Labels
A-GLAZ-MARK	Architectural-Glazing-Markers
A-GLAZ-MATC	Architectural-Glazing-Match Lines
A-GLAZ-NOTE	Architectural-Glazing-Notes
A-GLAZ-NPLT	Architectural-Glazing-Non Plotting Info
A-GLAZ-PATT	Architectural-Glazing-Hatch Pattern
A-GLAZ-PRHT	Architectural-Glazing-Partial Height
A-GLAZ-RDME	Architectural-Glazing-Readme Layer
A-GLAZ-REDL	Architectural-Glazing-Redlines
A-GLAZ-REFR	Architectural-Glazing-Reference Files
A-GLAZ-REVC	Architectural-Glazing-Revision Clouds
A-GLAZ-REVS	Architectural-Glazing-Revisions
A-GLAZ-SIGN	Architectural-Glazing-Signage
A-GLAZ-SILL	Architectural-Glazing-Window Sills – <b>Window Sills</b>
A-GLAZ-SYMB	Architectural-Glazing-Reference Symbols
A-GLAZ-TABL	Architectural-Glazing-Data Tables
A-GLAZ-TEXT	Architectural-Glazing-Text



<b>A-HVAC</b>	<b>Architectural-HVAC (Case Work Around HVAC Equipment)</b>
---------------	---

A-HVAC-BRNG	Architectural-HVAC-Bearings
A-HVAC-CASE	Architectural-HVAC-Casework
A-HVAC-DIMS	Architectural-HVAC-Dimensions
A-HVAC-FIXT	Architectural-HVAC-Fixture – <b>Ceiling Paddle Fans</b>
A-HVAC-FNSH	Architectural-HVAC-Finish
A-HVAC-GRID	Architectural-HVAC-Grid
A-HVAC-IDEN	Architectural-HVAC-Identification

A-HVAC-KEYN	Architectural-HVAC-Keynotes
A-HVAC-LABL	Architectural-HVAC-Labels
A-HVAC-MARK	Architectural-HVAC-Markers
A-HVAC-MATC	Architectural-HVAC-Match Lines
A-HVAC-NOTE	Architectural-HVAC-Notes
A-HVAC-NPLT	Architectural-HVAC-Non Plotting Info
A-HVAC-PATT	Architectural-HVAC-Hatch Pattern
A-HVAC-RDFF	Architectural-HVAC-Return Air Diffusers
A-HVAC-RDME	Architectural-HVAC-Readme Layer
A-HVAC-REDL	Architectural-HVAC-Redlines
A-HVAC-REFR	Architectural-HVAC-Reference Files
A-HVAC-REVC	Architectural-HVAC-Revision Clouds
A-HVAC-REVS	Architectural-HVAC-Revisions
A-HVAC-SDFF	Architectural-HVAC-Supply Diffusers
A-HVAC-SIGN	Architectural-HVAC-Signage
A-HVAC-SYMB	Architectural-HVAC-Reference Symbols
A-HVAC-TABL	Architectural-HVAC-Data Tables
A-HVAC-TEXT	Architectural-HVAC-Text

<b>A-LITE</b>	<b>Architectural-Lighting Fixtures (Case Work Around Light Fixtures)</b>
---------------	--

A-LITE-BRNG	Architectural-Lighting Fixtures-Bearings
A-LITE-CASE	Architectural-Lighting Fixtures-Casework
A-LITE-DIMS	Architectural-Lighting Fixtures-Dimensions
A-LITE-FIXT	Architectural-Lighting Fixtures-Fixture
A-LITE-FNSH	Architectural-Lighting Fixtures-Finish
A-LITE-GRID	Architectural-Lighting Fixtures-Grid
A-LITE-IDEN	Architectural-Lighting Fixtures-Identification
A-LITE-KEYN	Architectural-Lighting Fixtures-Keynotes
A-LITE-LABL	Architectural-Lighting Fixtures-Labels
A-LITE-MARK	Architectural-Lighting Fixtures-Markers
A-LITE-MATC	Architectural-Lighting Fixtures-Match Lines
A-LITE-NOTE	Architectural-Lighting Fixtures-Notes
A-LITE-NPLT	Architectural-Lighting Fixtures-Non Plotting Info
A-LITE-PATT	Architectural-Lighting Fixtures-Hatch Pattern
A-LITE-RDME	Architectural-Lighting Fixtures-Readme Layer
A-LITE-REDL	Architectural-Lighting Fixtures-Redlines
A-LITE-REFR	Architectural-Lighting Fixtures-Reference Files
A-LITE-REVC	Architectural-Lighting Fixtures-Revision Clouds
A-LITE-REVS	Architectural-Lighting Fixtures-Revisions
A-LITE-SIGN	Architectural-Lighting Fixtures-Signage

A-LITE-SYMB	Architectural-Lighting Fixtures-Reference Symbols
A-LITE-TABL	Architectural-Lighting Fixtures-Data Tables
A-LITE-TEXT	Architectural-Lighting Fixtures-Text

<b>A-ROOF</b>	<b>Architectural-Roof</b>
---------------	---------------------------

A-ROOF-BRNG	Architectural-Roof-Bearings
A-ROOF-CASE	Architectural-Roof-Casework – <b>Gas Line Pipe Supports</b>
A-ROOF-DIMS	Architectural-Roof-Dimensions
A-ROOF-FIXT	Architectural-Roof-Fixture – <b>Snow Guards</b>
A-ROOF-FNSH	Architectural-Roof-Finish
A-ROOF-GRID	Architectural-Roof-Grid
A-ROOF-HRAL	Architectural-Roof-Hand Rails – <b>Fall Prevention Rails</b>
A-ROOF-IDEN	Architectural-Roof-Identification – <b>Roof Area Numbers</b>
A-ROOF-KEYN	Architectural-Roof-Keynotes
A-ROOF-LABL	Architectural-Roof-Labels – <b>Roof Area Names</b>
A-ROOF-LEVL	Architectural-Roof-Level Changes – <b>Includes Catwalks</b>
A-ROOF-MARK	Architectural-Roof-Markers
A-ROOF-MATC	Architectural-Roof-Match Lines
A-ROOF-NOTE	Architectural-Roof-Notes
A-ROOF-NPLT	Architectural-Roof-Non Plotting Info
A-ROOF-OTLN	Architectural-Roof-Outline – <b>Roof Outlines including Skylights</b>
A-ROOF-PATT	Architectural-Roof-Hatch Pattern
A-ROOF-RDME	Architectural-Roof-Readme Layer
A-ROOF-REDL	Architectural-Roof-Redlines
A-ROOF-REFR	Architectural-Roof-Reference Files
A-ROOF-REVC	Architectural-Roof-Revision Clouds
A-ROOF-REVS	Architectural-Roof-Revisions
A-ROOF-RISR	Architectural-Roof-Risers
A-ROOF-SIGN	Architectural-Roof-Signage
A-ROOF-STRS	Architectural-Roof-Stair Treads and Ladders – <b>Stairs &amp; Ladders on Roof Plan</b>
A-ROOF-SYMB	Architectural-Roof-Reference Symbols
A-ROOF-TABL	Architectural-Roof-Data Tables
A-ROOF-TEXT	Architectural-Roof-Text

<b>A-WALL</b>	<b>Architectural-Walls</b>
---------------	----------------------------

A-WALL-BRNG	Architectural-Walls-Bearings
A-WALL-CASE	Architectural-Walls-Casework
A-WALL-CAVI	Architectural-Walls-Cavity – <b>Plumbing &amp; Vent Pipe Chase</b>

A-WALL-CNTR	Architectural-Walls-Centerline
A-WALL-DIMS	Architectural-Walls-Dimensions
A-WALL-FIRE	Architectural-Walls-Fire Wall – <b>Wall Fire Ratings on Plan</b>
A-WALL-FIXT	Architectural-Walls-Fixture – <b>Corner Guards Acoustic Panels</b>
A-WALL-FNSH	Architectural-Walls-Finish – <b>Wall Finishes on Finishes Plan</b>
A-WALL-FULL	Architectural-Walls-Full Height – <b>Wall Line Work on Plan</b>
A-WALL-GRID	Architectural-Walls-Grid
A-WALL-HEAD	Architectural-Walls-Door and Window Headers – <b>Door &amp; Window Headers on Reflected Ceiling Plans</b>
A-WALL-IDEN	Architectural-Walls-Identification – <b>Partition Types on Partition / Construction Plans</b>
A-WALL-KEYN	Architectural-Walls-Keynotes
A-WALL-LABL	Architectural-Walls-Labels
A-WALL-MARK	Architectural-Walls-Markers
A-WALL-MATC	Architectural-Walls-Match Lines
A-WALL-MOVE	Architectural-Walls-Moveable Partitions – <b>Equipment Cages</b>
A-WALL-NOTE	Architectural-Walls-Notes
A-WALL-NPLT	Architectural-Walls-Non Plotting Info
A-WALL-PATT	Architectural-Walls-Texture or Hatch Patterns
A-WALL-PATT	Architectural-Walls-Hatch Pattern
A-WALL-PRHT	Architectural-Walls-Partial Height
A-WALL-RDME	Architectural-Walls-Readme Layer
A-WALL-REDL	Architectural-Walls-Redlines
A-WALL-REFR	Architectural-Walls-Reference Files
A-WALL-REVC	Architectural-Walls-Revision Clouds
A-WALL-REVS	Architectural-Walls-Revisions
A-WALL-SIGN	Architectural-Walls-Signage – <b>Wayfinding Signs on Wall ie Courtroom #1</b>
A-WALL-SYMB	Architectural-Walls-Reference Symbols
A-WALL-TABL	Architectural-Walls-Data Tables
A-WALL-TEXT	Architectural-Walls-Text

### 7.3 Civil Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>C-AFLD</b>	<b>Civil-Airfields</b>
C-AFLD-ASPH	Civil-Airfields-Asphalt
C-AFLD-BRNG	Civil-Airfields-Bearings



C-AFLD-CNTR	Civil-Airfields-Centerline
C-AFLD-CONC	Civil-Airfields-Concrete Surface – <b>Heli-Pad Concrete Pad</b>
C-AFLD-DIMS	Civil-Airfields-Dimensions
C-AFLD-FLNE	Civil-Airfields-Fire Lane
C-AFLD-FLNE-MRKG	Civil-Airfields-Fire Lane Pavement Markings
C-AFLD-FLNE-SIGN	Civil-Airfields-Fire Lane Signage
C-AFLD-GRVL	Civil-Airfields-Gravel Surface
C-AFLD-IDEN	Civil-Airfields-Identification
C-AFLD-KEYN	Civil-Airfields-Keynotes
C-AFLD-LABL	Civil-Airfields-Labels
C-AFLD-MARK	Civil-Airfields-Markers
C-AFLD-MATC	Civil-Airfields-Match Lines
C-AFLD-MRKG	Civil-Airfields-Pavement Markings
C-AFLD-NOTE	Civil-Airfields-Notes
C-AFLD-NPLT	Civil-Airfields-Non Plotting Info
C-AFLD-PATT	Civil-Airfields-Hatch Pattern
C-AFLD-RDME	Civil-Airfields-Readme Layer
C-AFLD-REDL	Civil-Airfields-Redlines
C-AFLD-REFR	Civil-Airfields-Reference Files
C-AFLD-REVC	Civil-Airfields-Revision Clouds
C-AFLD-REVS	Civil-Airfields-Revisions
C-AFLD-SIGN	Civil-Airfields-Signage
C-AFLD-STAN	Civil-Airfields-Stationing – <b>Heli-Pad Service Bollard</b>
C-AFLD-SYMB	Civil-Airfields-Reference Symbols
C-AFLD-TABL	Civil-Airfields-Data Tables
C-AFLD-TEXT	Civil-Airfields-Text
C-AFLD-WHIT	Civil-Airfields-White Paint
C-AFLD-WHIT-TICK	Civil-Airfields-Whit Paint Tick Marks
C-AFLD-YELO	Civil-Airfields-Yellow Paint
C-AFLD-YELO-TICK	Civil-Airfields-Yellow Paint Tick Marks
<b>C-ANNO</b>	<b>Civil-Annotation</b>

C-ANNO-BRNG	Civil-Annotation-Bearings – <b>EX: N 62, 12', 45" E</b>
C-ANNO-DIMS	Civil-Annotation-Dimensions – <b>Site Plan Dimensions</b>
C-ANNO-IDEN	Civil-Annotation-Identification – <b>Construction Phases on Civil Plans</b>
C-ANNO-KEYN	Civil-Annotation-Keynotes
C-ANNO-LABL	Civil-Annotation-Labels

C-ANNO-MARK	Civil-Annotation-Markers
C-ANNO-MATC	Civil-Annotation-Match Lines
C-ANNO-NOTE	Civil-Annotation-Notes
C-ANNO-NPLT	Civil-Annotation-Non Plotting Info
C-ANNO-PATT	Civil-Annotation-Hatch Pattern
C-ANNO-RDME	Civil-Annotation-Readme Layer
C-ANNO-REDL	Civil-Annotation-Redlines
C-ANNO-REFR	Civil-Annotation-Reference Files
C-ANNO-REVC	Civil-Annotation-Revision Clouds
C-ANNO-REVS	Civil-Annotation-Revisions
C-ANNO-SYMB	Civil-Annotation-Reference Symbols
C-ANNO-TABL	Civil-Annotation-Data Tables
C-ANNO-TEXT	Civil-Annotation-Text

<b>C-BLDG</b>	
<b>Civil-Buildings and Primary Structures</b>	

C-BLDG-BRNG	Civil-Buildings and Primary Structures-Bearings – <b>Building Entrance Arrows on Site Plan</b>
C-BLDG-DECK	Civil-Buildings and Primary Structures-Outdoor Decks – <b>Building Number on Site Plan</b>
C-BLDG-DIMS	Civil-Buildings and Primary Structures-Dimensions
C-BLDG-IDEN	Civil-Buildings and Primary Structures-Identification
C-BLDG-KEYN	Civil-Buildings and Primary Structures-Keynotes
C-BLDG-LABL	Civil-Buildings and Primary Structures-Labels – <b>Building Names on Site Plan</b>
C-BLDG-MARK	Civil-Buildings and Primary Structures-Markers
C-BLDG-MATC	Civil-Buildings and Primary Structures-Match Lines
C-BLDG-NOTE	Civil-Buildings and Primary Structures-Notes
C-BLDG-NPLT	Civil-Buildings and Primary Structures-Non Plotting Info
C-BLDG-OTLN	Civil-Buildings and Primary Structures-Outline – <b>Building Outlines on Site Plan</b>
C-BLDG-OVHD	Civil-Buildings and Primary Structures-Overhead or Overhang
C-BLDG-PATT	Civil-Buildings and Primary Structures-Hatch Pattern
C-BLDG-PRCH	Civil-Buildings and Primary Structures-Porch _attached with roof overhead
C-BLDG-RDME	Civil-Buildings and Primary Structures-Readme Layer
C-BLDG-REDL	Civil-Buildings and Primary Structures-Redlines
C-BLDG-REFR	Civil-Buildings and Primary Structures-Reference Files
C-BLDG-REVC	Civil-Buildings and Primary Structures-Revision Clouds
C-BLDG-REVS	Civil-Buildings and Primary Structures-Revisions
C-BLDG-SYMB	Civil-Buildings and Primary Structures-Reference Symbols

C-BLDG-TABL	Civil-Buildings and Primary Structures-Data Tables
C-BLDG-TEXT	Civil-Buildings and Primary Structures-Text

<b>C-BLIN</b>	<b>Civil-Baseline</b>

C-BLIN-BRNG	Civil-Baseline-Bearings
C-BLIN-DIMS	Civil-Baseline-Dimensions
C-BLIN-IDEN	Civil-Baseline-Identification
C-BLIN-KEYN	Civil-Baseline-Keynotes
C-BLIN-LABL	Civil-Baseline-Labels
C-BLIN-MARK	Civil-Baseline-Markers
C-BLIN-MATC	Civil-Baseline-Match Lines
C-BLIN-NOTE	Civil-Baseline-Notes
C-BLIN-NPLT	Civil-Baseline-Non Plotting Info
C-BLIN-PATT	Civil-Baseline-Hatch Pattern
C-BLIN-RDME	Civil-Baseline-Readme Layer
C-BLIN-REDL	Civil-Baseline-Redlines
C-BLIN-REFR	Civil-Baseline-Reference Files
C-BLIN-REVC	Civil-Baseline-Revision Clouds
C-BLIN-REVS	Civil-Baseline-Revisions
C-BLIN-STAN	Civil-Baseline-Stationing
C-BLIN-SYMB	Civil-Baseline-Reference Symbols
C-BLIN-TABL	Civil-Baseline-Data Tables
C-BLIN-TEXT	Civil-Baseline-Text

<b>C-BORE</b>	<b>Civil-Borings</b>

C-BORE-BRNG	Civil-Borings-Bearings
C-BORE-DIMS	Civil-Borings-Dimensions
C-BORE-IDEN	Civil-Borings-Identification – <b>Bore Holes on Site Plan</b>
C-BORE-KEYN	Civil-Borings-Keynotes
C-BORE-LABL	Civil-Borings-Labels
C-BORE-MARK	Civil-Borings-Markers – <b>Bore Holes Markers on Site Plan</b>
C-BORE-MATC	Civil-Borings-Match Lines
C-BORE-NOTE	Civil-Borings-Notes
C-BORE-NPLT	Civil-Borings-Non Plotting Info
C-BORE-PATT	Civil-Borings-Hatch Pattern
C-BORE-RDME	Civil-Borings-Readme Layer
C-BORE-REDL	Civil-Borings-Redlines
C-BORE-REFR	Civil-Borings-Reference Files

C-BORE-REVC	Civil-Borings-Revision Clouds
C-BORE-REVS	Civil-Borings-Revisions
C-BORE-SYMB	Civil-Borings-Reference Symbols
C-BORE-TABL	Civil-Borings-Data Tables
C-BORE-TEXT	Civil-Borings-Text
<b>C-BRDG</b>	<b>Civil-Bridge</b>

C-BRDG-BRNG	Civil-Bridge-Bearings
C-BRDG-CNTJ	Civil-Bridge-Construction Joint
C-BRDG-CNTR	Civil-Bridge-Centerline
C-BRDG-DECK	Civil-Bridge-Deck – <b>Bridge Outline on Plan</b>
C-BRDG-DIMS	Civil-Bridge-Dimensions
C-BRDG-EXPJ	Civil-Bridge-Expansion Joint
C-BRDG-FALT	Civil-Bridge-Deck Fault or Breakline
C-BRDG-HIDD	Civil-Bridge-Objects or lines Hidden from view
C-BRDG-IDEN	Civil-Bridge-Identification
C-BRDG-KEYN	Civil-Bridge-Keynotes
C-BRDG-LABL	Civil-Bridge-Labels
C-BRDG-MARK	Civil-Bridge-Markers
C-BRDG-MATC	Civil-Bridge-Match Lines
C-BRDG-NOTE	Civil-Bridge-Notes
C-BRDG-NPLT	Civil-Bridge-Non Plotting Info
C-BRDG-OBJT	Civil-Bridge-Objects
C-BRDG-OBJT-PRIM	Civil-Bridge-Primary Objects
C-BRDG-OBJT-SECD	Civil-Bridge-Secondary Objects
C-BRDG-PATT	Civil-Bridge-Hatch Pattern
C-BRDG-RBAR	Civil-Bridge-Reinforcing Bar
C-BRDG-RDME	Civil-Bridge-Readme Layer
C-BRDG-REDL	Civil-Bridge-Redlines
C-BRDG-REFR	Civil-Bridge-Reference Files
C-BRDG-REVC	Civil-Bridge-Revision Clouds
C-BRDG-REVS	Civil-Bridge-Revisions
C-BRDG-SYMB	Civil-Bridge-Reference Symbols
C-BRDG-TABL	Civil-Bridge-Data Tables
C-BRDG-TEXT	Civil-Bridge-Text

<b>C-CATV</b>	<b>Civil-Cable TV</b>

C-CATV-BRNG	Civil-Cable TV-Bearings – <b>Cable TV Conduits on Roof</b>
-------------	--

C-CATV-DIMS	Civil-Cable TV-Dimensions
C-CATV-IDEN	Civil-Cable TV-Identification
C-CATV-KEYN	Civil-Cable TV-Keynotes
C-CATV-LABL	Civil-Cable TV-Labels
C-CATV-MARK	Civil-Cable TV-Markers
C-CATV-MATC	Civil-Cable TV-Match Lines
C-CATV-NOTE	Civil-Cable TV-Notes
C-CATV-NPLT	Civil-Cable TV-Non Plotting Info
C-CATV-OVHD	Civil-Cable TV-Overhead Lines
C-CATV-PATT	Civil-Cable TV-Hatch Pattern
C-CATV-POLE	Civil-Cable TV-Box or Pole
C-CATV-RDME	Civil-Cable TV-Readme Layer
C-CATV-REDL	Civil-Cable TV-Redlines
C-CATV-REFR	Civil-Cable TV-Reference Files
C-CATV-REVC	Civil-Cable TV-Revision Clouds
C-CATV-REVS	Civil-Cable TV-Revisions
C-CATV-SYMB	Civil-Cable TV-Reference Symbols
C-CATV-TABL	Civil-Cable TV-Data Tables
C-CATV-TEXT	Civil-Cable TV-Text
C-CATV-UNDR	Civil-Cable TV-Underground Lines
<b>C-CEME</b>	<b>Civil-Cemetery</b>

C-CEME-BRNG	Civil-Cemetery-Bearings
C-CEME-DIMS	Civil-Cemetery-Dimensions
C-CEME-IDEN	Civil-Cemetery-Identification
C-CEME-KEYN	Civil-Cemetery-Keynotes
C-CEME-LABL	Civil-Cemetery-Labels
C-CEME-MARK	Civil-Cemetery-Markers – <b>Grave Headstone Markers on Plan</b>
C-CEME-MATC	Civil-Cemetery-Match Lines
C-CEME-NOTE	Civil-Cemetery-Notes
C-CEME-NPLT	Civil-Cemetery-Non Plotting Info
C-CEME-PATT	Civil-Cemetery-Hatch Pattern
C-CEME-RDME	Civil-Cemetery-Readme Layer
C-CEME-REDL	Civil-Cemetery-Redlines
C-CEME-REFR	Civil-Cemetery-Reference Files
C-CEME-REVC	Civil-Cemetery-Revision Clouds
C-CEME-REVS	Civil-Cemetery-Revisions
C-CEME-SYMB	Civil-Cemetery-Reference Symbols
C-CEME-TABL	Civil-Cemetery-Data Tables

C-CEME-TEXT	Civil-Cemetery-Text
<b>C-CHAN</b>	<b>Civil-Navigable Channels</b>

C-CHAN-BRNG	Civil-Navigable Channels-Bearings
C-CHAN-BWTR	Civil-Navigable Channels-Breakwater
C-CHAN-CNTR	Civil-Navigable Channels-Channel Centerlines
C-CHAN-DACL	Civil-Navigable Channels-DeAuthorized Channel Limits
C-CHAN-DIMS	Civil-Navigable Channels-Dimensions
C-CHAN-DOCK	Civil-Navigable Channels-Decks Docks Floats and Piers
C-CHAN-IDEN	Civil-Navigable Channels-Identification
C-CHAN-KEYN	Civil-Navigable Channels-Keynotes
C-CHAN-LABL	Civil-Navigable Channels-Labels
C-CHAN-MARK	Civil-Navigable Channels-Markers
C-CHAN-MATC	Civil-Navigable Channels-Match Lines
C-CHAN-NAID	Civil-Navigable Channels-Navigation Aids
C-CHAN-NOTE	Civil-Navigable Channels-Notes
C-CHAN-NPLT	Civil-Navigable Channels-Non Plotting Info
C-CHAN-PATT	Civil-Navigable Channels-Hatch Pattern
C-CHAN-RDME	Civil-Navigable Channels-Readme Layer
C-CHAN-REDL	Civil-Navigable Channels-Redlines
C-CHAN-REFR	Civil-Navigable Channels-Reference Files
C-CHAN-REVC	Civil-Navigable Channels-Revision Clouds
C-CHAN-REVS	Civil-Navigable Channels-Revisions
C-CHAN-SYMB	Civil-Navigable Channels-Reference Symbols
C-CHAN-TABL	Civil-Navigable Channels-Data Tables
C-CHAN-TEXT	Civil-Navigable Channels-Text

<b>C-COMM</b>	<b>Civil-Communications</b>

C-COMM-BRNG	Civil-Communications-Bearings
C-COMM-DIMS	Civil-Communications-Dimensions
C-COMM-IDEN	Civil-Communications-Identification
C-COMM-KEYN	Civil-Communications-Keynotes
C-COMM-LABL	Civil-Communications-Labels
C-COMM-MARK	Civil-Communications-Markers
C-COMM-MATC	Civil-Communications-Match Lines
C-COMM-NOTE	Civil-Communications-Notes
C-COMM-NPLT	Civil-Communications-Non Plotting Info
C-COMM-OVHD	Civil-Communications-Overhead Lines

C-COMM-PATT	Civil-Communications-Hatch Pattern
C-COMM-POLE	Civil-Communications- <b>Box or Pole – Mast Tower</b>
C-COMM-RDME	Civil-Communications-Readme Layer
C-COMM-REDL	Civil-Communications-Redlines
C-COMM-REFR	Civil-Communications-Reference Files
C-COMM-REVC	Civil-Communications-Revision Clouds
C-COMM-REVS	Civil-Communications-Revisions
C-COMM-SYMB	Civil-Communications-Reference Symbols
C-COMM-TABL	Civil-Communications-Data Tables
C-COMM-TEXT	Civil-Communications-Text
C-COMM-UNDR	Civil-Communications-Underground Lines – <b>Telephone Lines</b>
<b>C-CTRL</b>	<b>Civil-Control Points</b>

C-CTRL-BMRK	Civil-Control Points-Benchmarks - <b>Benchmark</b>
C-CTRL-BRNG	Civil-Control Points-Bearings
C-CTRL-DIMS	Civil-Control Points-Dimensions
C-CTRL-FLYS	Civil-Control Points-Fly Station – <b>Arial Snow Sensors</b>
C-CTRL-GRID	Civil-Control Points-Grid Lines
C-CTRL-HCPT	Civil-Control Points-Horizontal Control Points
C-CTRL-HVPT	Civil-Control Points-Horizontal and Vertical Control Points
C-CTRL-IDEN	Civil-Control Points-Identification
C-CTRL-KEYN	Civil-Control Points-Keynotes
C-CTRL-LABL	Civil-Control Points-Labels
C-CTRL-MARK	Civil-Control Points-Markers – <b>Iron Bar Markers</b>
C-CTRL-MATC	Civil-Control Points-Match Lines
C-CTRL-NOTE	Civil-Control Points-Notes
C-CTRL-NPLT	Civil-Control Points-Non Plotting Info
C-CTRL-PATT	Civil-Control Points-Hatch Pattern
C-CTRL-PNPT	Civil-Control Points-Panel Points
C-CTRL-RDME	Civil-Control Points-Readme Layer
C-CTRL-REDL	Civil-Control Points-Redlines
C-CTRL-REFR	Civil-Control Points-Reference Files
C-CTRL-REVC	Civil-Control Points-Revision Clouds
C-CTRL-REVS	Civil-Control Points-Revisions
C-CTRL-SYMB	Civil-Control Points-Reference Symbols
C-CTRL-TABL	Civil-Control Points-Data Tables
C-CTRL-TEXT	Civil-Control Points-Text
C-CTRL-TRAV	Civil-Control Points-Traverse Points
C-CTRL-VCPT	Civil-Control Points-Vertical Control Points

<b>C-DFLD</b>	<b>Civil-Drain Fields</b>

C-DFLD-BRNG	Civil-Drain Fields-Bearings
C-DFLD-DIMS	Civil-Drain Fields-Dimensions
C-DFLD-IDEN	Civil-Drain Fields-Identification
C-DFLD-KEYN	Civil-Drain Fields-Keynotes
C-DFLD-LABL	Civil-Drain Fields-Labels
C-DFLD-MARK	Civil-Drain Fields-Markers
C-DFLD-MATC	Civil-Drain Fields-Match Lines
C-DFLD-NOTE	Civil-Drain Fields-Notes
C-DFLD-NPLT	Civil-Drain Fields-Non Plotting Info
C-DFLD-OTLN	Civil-Drain Fields-Outline – <b>Septic Tank and Drain Field</b>
C-DFLD-PATT	Civil-Drain Fields-Hatch Pattern
C-DFLD-PROF	Civil-Drain Fields-Profile
C-DFLD-RDME	Civil-Drain Fields-Readme Layer
C-DFLD-REDL	Civil-Drain Fields-Redlines
C-DFLD-REFR	Civil-Drain Fields-Reference Files
C-DFLD-REVC	Civil-Drain Fields-Revision Clouds
C-DFLD-REVS	Civil-Drain Fields-Revisions
C-DFLD-SYMB	Civil-Drain Fields-Reference Symbols
C-DFLD-TABL	Civil-Drain Fields-Data Tables
C-DFLD-TEXT	Civil-Drain Fields-Text

<b>C-DRIV</b>	<b>Civil-Driveways</b>

C-DRIV-ASPH	Civil-Driveways-Asphalt - <b>Driveways</b>
C-DRIV-BRNG	Civil-Driveways-Bearings – <b>Directional Traffic Flow Arrows</b>
C-DRIV-CNTR	Civil-Driveways-Centerline
C-DRIV-CONC	Civil-Driveways-Concrete Surface – <b>Driveway Ramp to Garages</b>
C-DRIV-CURB	Civil-Driveways-Curb – <b>Driveway Curb</b>
C-DRIV-CURB-BACK	Civil-Driveways-Curb Back
C-DRIV-CURB-FACE	Civil-Driveways-Curb Face
C-DRIV-DIMS	Civil-Driveways-Dimensions
C-DRIV-FLNE	Civil-Driveways-Fire Lane
C-DRIV-FLNE-MRKG	Civil-Driveways-Fire Lane Markings
C-DRIV-FLNE-SIGN	Civil-Driveways-Fire Lane Signage – <b>Driveway Fire Lane Signs</b>
C-DRIV-GRVL	Civil-Driveways-Gravel
C-DRIV-IDEN	Civil-Driveways-Identification
C-DRIV-KEYN	Civil-Driveways-Keynotes



C-DRIV-LABL	Civil-Driveways-Labels
C-DRIV-MARK	Civil-Driveways-Markers
C-DRIV-MATC	Civil-Driveways-Match Lines
C-DRIV-MRKG	Civil-Driveways-Pavement Markings
C-DRIV-NOTE	Civil-Driveways-Notes
C-DRIV-NPLT	Civil-Driveways-Non Plotting Info
C-DRIV-PATT	Civil-Driveways-Hatch Pattern
C-DRIV-RDME	Civil-Driveways-Readme Layer
C-DRIV-REDL	Civil-Driveways-Redlines
C-DRIV-REFR	Civil-Driveways-Reference Files
C-DRIV-REVC	Civil-Driveways-Revision Clouds
C-DRIV-REVS	Civil-Driveways-Revisions
C-DRIV-SIGN	Civil-Driveways-Signage – <b>No Parking Sign</b>
C-DRIV-SYMB	Civil-Driveways-Reference Symbols
C-DRIV-TABL	Civil-Driveways-Data Tables
C-DRIV-TEXT	Civil-Driveways-Text
C-DRIV-UPVD	Civil-Driveways-Unpaved Surface
C-DRIV-WHIT	Civil-Driveways-White Paint
C-DRIV-WHIT-TICK	Civil-Driveways-White Paint Ticks
C-DRIV-YELO	Civil-Driveways-Yellow Paint
C-DRIV-YELO-TICK	Civil-Driveways-Yellow Paint Ticks

<b>C-DTCH</b>	<b>Civil-Ditches or Washes</b>
---------------	--------------------------------

C-DTCH-BOTD	Civil-Ditches or Washes-Bottom of Ditch – <b>Section of Ditch Elevation</b>
C-DTCH-BRNG	Civil-Ditches or Washes-Bearings
C-DTCH-CNTR	Civil-Ditches or Washes- <b>Centerline of Ditch</b>
C-DTCH-DIMS	Civil-Ditches or Washes-Dimensions
C-DTCH-EWAT	Civil-Ditches or Washes-Edge of Water
C-DTCH-IDEN	Civil-Ditches or Washes-Identification
C-DTCH-KEYN	Civil-Ditches or Washes-Keynotes
C-DTCH-LABL	Civil-Ditches or Washes-Labels
C-DTCH-MARK	Civil-Ditches or Washes-Markers
C-DTCH-MATC	Civil-Ditches or Washes-Match Lines
C-DTCH-NOTE	Civil-Ditches or Washes-Notes
C-DTCH-NPLT	Civil-Ditches or Washes-Non Plotting Info
C-DTCH-PATT	Civil-Ditches or Washes-Hatch Pattern
C-DTCH-RDME	Civil-Ditches or Washes-Readme Layer
C-DTCH-REDL	Civil-Ditches or Washes-Redlines

C-DTCH-REFR	Civil-Ditches or Washes-Reference Files
C-DTCH-REVC	Civil-Ditches or Washes-Revision Clouds
C-DTCH-REVS	Civil-Ditches or Washes-Revisions
C-DTCH-SYMB	Civil-Ditches or Washes-Reference Symbols
C-DTCH-TABL	Civil-Ditches or Washes-Data Tables
C-DTCH-TEXT	Civil-Ditches or Washes-Text
C-DTCH-TOPD	Civil-Ditches or Washes- <b>Top of Ditch – Section of Ditch Elevation &amp; Swale on Plan</b>

<b>C-EROS</b>	<b>Civil-Erosion and Sediment Control</b>
---------------	---

C-EROS-BRNG	Civil-Erosion and Sediment Control-Bearings
C-EROS-CIPR	Civil-Erosion and Sediment Control-Culvert Inlet Protection
C-EROS-CNTE	Civil-Erosion and Sediment Control-Construction Entrance
C-EROS-DDIV	Civil-Erosion and Sediment Control-Drainage Divides – <b>Bales of Hay or Plastic Wrap</b>
C-EROS-DIMS	Civil-Erosion and Sediment Control-Dimensions
C-EROS-DVDK	Civil-Erosion and Sediment Control-Diversion Dike
C-EROS-IDEN	Civil-Erosion and Sediment Control-Identification
C-EROS-INPR	Civil-Erosion and Sediment Control-Inlet Protection
C-EROS-KEYN	Civil-Erosion and Sediment Control-Keynotes
C-EROS-LABL	Civil-Erosion and Sediment Control-Labels
C-EROS-MARK	Civil-Erosion and Sediment Control-Markers
C-EROS-MATC	Civil-Erosion and Sediment Control-Match Lines
C-EROS-NOTE	Civil-Erosion and Sediment Control-Notes
C-EROS-NPLT	Civil-Erosion and Sediment Control-Non Plotting Info
C-EROS-PATT	Civil-Erosion and Sediment Control-Hatch Pattern
C-EROS-RDME	Civil-Erosion and Sediment Control-Readme Layer
C-EROS-REDL	Civil-Erosion and Sediment Control-Redlines
C-EROS-REFR	Civil-Erosion and Sediment Control-Reference Files
C-EROS-REVC	Civil-Erosion and Sediment Control-Revision Clouds
C-EROS-REVS	Civil-Erosion and Sediment Control-Revisions
C-EROS-SILT	Civil-Erosion and Sediment Control- <b>Silt Fence</b>
C-EROS-SSLT	Civil-Erosion and Sediment Control-Super Silt Fence
C-EROS-SYMB	Civil-Erosion and Sediment Control-Reference Symbols
C-EROS-TABL	Civil-Erosion and Sediment Control-Data Tables
C-EROS-TEXT	Civil-Erosion and Sediment Control-Text

<b>C-ESMT</b>	<b>Civil-Easements</b>
---------------	------------------------

C-ESMT-ACCS	Civil-Easements-Pedestrian or Private Access
C-ESMT-BRNG	Civil-Easements-Bearings
C-ESMT-CATV	Civil-Easements-Utility or Cable Television
C-ESMT-CONS	Civil-Easements-Conservation
C-ESMT-CSTG	Civil-Easements-Construction Grading
C-ESMT-DIMS	Civil-Easements-Dimensions
C-ESMT-ELEC	Civil-Easements-Utility or Electrical
C-ESMT-FDPL	Civil-Easements-Flood Plain
C-ESMT-IDEN	Civil-Easements-Identification
C-ESMT-INEG	Civil-Easements-Ingress or Egress for Vehicle Access
C-ESMT-KEYN	Civil-Easements-Keynotes
C-ESMT-LABL	Civil-Easements-Labels
C-ESMT-LSCP	Civil-Easements-Landscape
C-ESMT-MARK	Civil-Easements-Markers
C-ESMT-MATC	Civil-Easements-Match Lines
C-ESMT-NGAS	Civil-Easements-Natural Gas
C-ESMT-NOTE	Civil-Easements-Notes
C-ESMT-NPLT	Civil-Easements-Non Plotting Info
C-ESMT-PATT	Civil-Easements-Hatch Pattern
C-ESMT-PHON	Civil-Easements-Telephone Line
C-ESMT-RDME	Civil-Easements-Readme Layer
C-ESMT-REDL	Civil-Easements-Redlines
C-ESMT-REFR	Civil-Easements-Reference Files
C-ESMT-REVC	Civil-Easements-Revision Clouds
C-ESMT-REVS	Civil-Easements-Revisions
C-ESMT-ROAD	Civil-Easements-Roadway
C-ESMT-ROAD-PERM	Civil-Easements-Permanent Roadway
C-ESMT-ROAD-TEMP	Civil-Easements-Temporary Roadway
C-ESMT-RWAY	Civil-Easements-Right of Way
C-ESMT-SGHT	Civil-Easements-Sight Distance
C-ESMT-SSWR	Civil-Easements-Sanitary Sewer
C-ESMT-STRM	Civil-Easements-Storm Sewer
C-ESMT-SWMT	Civil-Easements-Storm Water Management
C-ESMT-SYMB	Civil-Easements-Reference Symbols
C-ESMT-TABL	Civil-Easements-Data Tables
C-ESMT-TEXT	Civil-Easements-Text
C-ESMT-TRAL	Civil-Easements-Trail or Path Public Access
C-ESMT-UTIL	Civil-Easements-Utilities – <b>Utility Tunnels on Civil Plans</b>
C-ESMT-WATR	Civil-Easements-Water Supply

<b>C-FENC</b>	<b>Civil-Fences</b>
C-FENC-BRNG	Civil-Fences-Bearings
C-FENC-DIMS	Civil-Fences-Dimensions
C-FENC-GRAL	Civil-Fences-Guard Rail – <b>Exterior Guardrail / Handrail</b>
C-FENC-IDEN	Civil-Fences-Identification
C-FENC-KEYN	Civil-Fences-Keynotes
C-FENC-LEGN	Civil-Fences-Legends
C-FENC-MARK	Civil-Fences-Markers
C-FENC-MATC	Civil-Fences-Match Lines
C-FENC-NOTE	Civil-Fences-Notes
C-FENC-NPLT	Civil-Fences-Non Plotting Info
C-FENC-PATT	Civil-Fences-Hatch Pattern
C-FENC-POST	Civil-Fences-Posts
C-FENC-RDME	Civil-Fences-Readme Layer
C-FENC-REDL	Civil-Fences-Redlines
C-FENC-REFR	Civil-Fences-Reference Files
C-FENC-REVC	Civil-Fences-Revision Clouds
C-FENC-REVS	Civil-Fences-Revisions
C-FENC-STEL	Civil-Fences- <b>Steel Barbed Wire or Chain Link</b>
C-FENC-SYMB	Civil-Fences-Reference Symbols
C-FENC-TABL	Civil-Fences-Data Tables
C-FENC-TEXT	Civil-Fences-Text
C-FENC-WOOD	Civil-Fences- <b>Wood</b>
<b>C-FIRE</b>	<b>Civil-Fire Protection System</b>
C-FIRE-BRNG	Civil-Fire Protection System-Bearings
C-FIRE-DIMS	Civil-Fire Protection System-Dimensions
C-FIRE-HYDR	Civil-Fire Protection System-Hydrants and Connections – <b>Siamese Connections</b>
C-FIRE-IDEN	Civil-Fire Protection System-Identification
C-FIRE-KEYN	Civil-Fire Protection System-Keynotes
C-FIRE-LABL	Civil-Fire Protection System-Labels
C-FIRE-MARK	Civil-Fire Protection System-Markers
C-FIRE-MATC	Civil-Fire Protection System-Match Lines
C-FIRE-NOTE	Civil-Fire Protection System-Notes
C-FIRE-NPLT	Civil-Fire Protection System-Non Plotting Info
C-FIRE-PATT	Civil-Fire Protection System-Hatch Pattern
C-FIRE-PIPE	Civil-Fire Protection System-Piping

C-FIRE-RDME	Civil-Fire Protection System-Readme Layer
C-FIRE-REDL	Civil-Fire Protection System-Redlines
C-FIRE-REFR	Civil-Fire Protection System-Reference Files
C-FIRE-REVC	Civil-Fire Protection System-Revision Clouds
C-FIRE-REVS	Civil-Fire Protection System-Revisions
C-FIRE-SYMB	Civil-Fire Protection System-Reference Symbols
C-FIRE-TABL	Civil-Fire Protection System-Data Tables
C-FIRE-TEXT	Civil-Fire Protection System-Text
C-FIRE-UNDR	Civil-Fire Protection System- <b>Underground Piping</b>

<b>C-FLHA</b>	<b>Civil-Flood Hazard Area</b>
---------------	--------------------------------

C-FLHA-025Y	Civil-Flood Hazard Area-25 Year Mark
C-FLHA-050Y	Civil-Flood Hazard Area-50 Year Mark
C-FLHA-100Y	Civil-Flood Hazard Area-100 Year Mark
C-FLHA-200Y	Civil-Flood Hazard Area-200 Year Mark
C-FLHA-BRNG	Civil-Flood Hazard Area-Bearings – <b>Overflow Route Directional Arrows</b>
C-FLHA-DIMS	Civil-Flood Hazard Area-Dimensions
C-FLHA-IDEN	Civil-Flood Hazard Area-Identification
C-FLHA-KEYN	Civil-Flood Hazard Area-Keynotes
C-FLHA-LABL	Civil-Flood Hazard Area-Labels
C-FLHA-MARK	Civil-Flood Hazard Area-Markers
C-FLHA-MATC	Civil-Flood Hazard Area-Match Lines
C-FLHA-NOTE	Civil-Flood Hazard Area-Notes
C-FLHA-NPLT	Civil-Flood Hazard Area-Non Plotting Info
C-FLHA-PATT	Civil-Flood Hazard Area-Hatch Pattern
C-FLHA-RDME	Civil-Flood Hazard Area-Readme Layer
C-FLHA-REDL	Civil-Flood Hazard Area-Redlines
C-FLHA-REFR	Civil-Flood Hazard Area-Reference Files
C-FLHA-REVC	Civil-Flood Hazard Area-Revision Clouds
C-FLHA-REVS	Civil-Flood Hazard Area-Revisions
C-FLHA-SYMB	Civil-Flood Hazard Area-Reference Symbols
C-FLHA-TABL	Civil-Flood Hazard Area-Data Tables
C-FLHA-TEXT	Civil-Flood Hazard Area-Text

<b>C-FUEL</b>	<b>Civil-Fuel Gas</b>
---------------	-----------------------

C-FUEL-BRNG	Civil-Fuel Gas-Bearings
C-FUEL-DIMS	Civil-Fuel Gas-Dimensions

C-FUEL-EQPM	Civil-Fuel Gas- <b>Equipment _pumps and motors</b>
C-FUEL-IDEN	Civil-Fuel Gas-Identification
C-FUEL-INST	Civil-Fuel Gas-Instrumentation – <b>Gas Meter on Civil Plans</b>
C-FUEL-KEYN	Civil-Fuel Gas-Keynotes
C-FUEL-LABL	Civil-Fuel Gas-Labels
C-FUEL-MARK	Civil-Fuel Gas-Markers
C-FUEL-MATC	Civil-Fuel Gas-Match Lines
C-FUEL-MHOL	Civil-Fuel <b>Gas-Manhole</b>
C-FUEL-NOTE	Civil-Fuel Gas-Notes
C-FUEL-NPLT	Civil-Fuel Gas-Non Plotting Info
C-FUEL-PATT	Civil-Fuel Gas-Hatch Pattern
C-FUEL-PIPE	Civil-Fuel <b>Gas-Piping</b>
C-FUEL-RDME	Civil-Fuel Gas-Readme Layer
C-FUEL-REDL	Civil-Fuel Gas-Redlines
C-FUEL-REFR	Civil-Fuel Gas-Reference Files
C-FUEL-REVC	Civil-Fuel Gas-Revision Clouds
C-FUEL-REVS	Civil-Fuel Gas-Revisions
C-FUEL-SYMB	Civil-Fuel Gas-Reference Symbols
C-FUEL-TABL	Civil-Fuel Gas-Data Tables
C-FUEL-TANK	Civil-Fuel Gas- <b>Storage Tank</b>
C-FUEL-TEXT	Civil-Fuel Gas-Text
C-FUEL-UNDR	Civil-Fuel Gas- <b>Underground Piping</b>
<b>C-LOCN</b>	<b>Civil-Limits of Construction</b>

C-LOCN-BRNG	Civil-Limits of Construction-Bearings
C-LOCN-DIMS	Civil-Limits of Construction-Dimensions
C-LOCN-IDEN	<b>Civil-Limits of Construction-Identification</b>
C-LOCN-KEYN	Civil-Limits of Construction-Keynotes
C-LOCN-LABL	Civil-Limits of Construction-Labels
C-LOCN-MARK	Civil-Limits of Construction-Markers
C-LOCN-MATC	Civil-Limits of Construction-Match Lines
C-LOCN-NOTE	Civil-Limits of Construction-Notes
C-LOCN-NPLT	Civil-Limits of Construction-Non Plotting Info
C-LOCN-PATT	Civil-Limits of Construction-Hatch Pattern
C-LOCN-RDME	Civil-Limits of Construction-Readme Layer
C-LOCN-REDL	Civil-Limits of Construction-Redlines
C-LOCN-REFR	Civil-Limits of Construction-Reference Files
C-LOCN-REVC	Civil-Limits of Construction-Revision Clouds
C-LOCN-REVS	Civil-Limits of Construction-Revisions

C-LOCN-SYMB	Civil-Limits of Construction-Reference Symbols
C-LOCN-TABL	Civil-Limits of Construction-Data Tables
C-LOCN-TEXT	Civil-Limits of Construction-Text

<b>C-NGAS Civil-Natural Gas</b>	
---------------------------------	--

C-NGAS-BRNG	Civil-Natural Gas-Bearings
C-NGAS-DIMS	Civil-Natural Gas-Dimensions
C-NGAS-EQPM	Civil-Natural Gas-Equipment _pumps and motors
C-NGAS-IDEN	Civil-Natural Gas-Identification
C-NGAS-INST	Civil-Natural Gas-Instrumentation
C-NGAS-KEYN	Civil-Natural Gas-Keynotes
C-NGAS-LABL	Civil-Natural Gas-Labels
C-NGAS-MARK	Civil-Natural Gas-Markers
C-NGAS-MATC	Civil-Natural Gas-Match Lines
C-NGAS-MHOL	Civil-Natural <b>Gas-Manhole</b>
C-NGAS-NOTE	Civil-Natural Gas-Notes
C-NGAS-NPLT	Civil-Natural Gas-Non Plotting Info
C-NGAS-PATT	Civil-Natural Gas-Hatch Pattern
C-NGAS-PIPE	Civil-Natural <b>Gas-Piping – Rooftop Piping</b>
C-NGAS-RDME	Civil-Natural Gas-Readme Layer
C-NGAS-REDL	Civil-Natural Gas-Redlines
C-NGAS-REFR	Civil-Natural Gas-Reference Files
C-NGAS-REVC	Civil-Natural Gas-Revision Clouds
C-NGAS-REVS	Civil-Natural Gas-Revisions
C-NGAS-SYMB	Civil-Natural Gas-Reference Symbols
C-NGAS-TABL	Civil-Natural Gas-Data Tables
C-NGAS-TANK	Civil-Natural Gas-Storage Tank
C-NGAS-TEXT	Civil-Natural Gas-Text
C-NGAS-UNDR	Civil-Natural Gas- <b>Underground Piping</b>

<b>C-PERC Civil-Perc Testing</b>	
----------------------------------	--

C-PERC-BRNG	Civil-Perc Testing-Bearings
C-PERC-DIMS	Civil-Perc Testing-Dimensions
C-PERC-HOLE	Civil-Perc Testing-Test Holes
C-PERC-IDEN	Civil-Perc Testing-Identification
C-PERC-KEYN	Civil-Perc Testing-Keynotes
C-PERC-LABL	Civil-Perc Testing-Labels
C-PERC-MARK	Civil-Perc Testing-Markers

C-PERC-MATC	Civil-Perc Testing-Match Lines
C-PERC-NOTE	Civil-Perc Testing-Notes
C-PERC-NPLT	Civil-Perc Testing-Non Plotting Info
C-PERC-PATT	Civil-Perc Testing-Hatch Pattern
C-PERC-RDME	Civil-Perc Testing-Readme Layer
C-PERC-REDL	Civil-Perc Testing-Redlines
C-PERC-REFR	Civil-Perc Testing-Reference Files
C-PERC-REVC	Civil-Perc Testing-Revision Clouds
C-PERC-REVS	Civil-Perc Testing-Revisions
C-PERC-SYMB	Civil-Perc Testing-Reference Symbols
C-PERC-TABL	Civil-Perc Testing-Data Tables
C-PERC-TEXT	Civil-Perc Testing-Text

<b>C-POND</b>	<b>Civil-Ponds</b>

C-POND-BRNG	Civil-Ponds-Bearings
C-POND-DIMS	Civil-Ponds-Dimensions
C-POND-EDGE	Civil-Ponds- <b>Edge of Pond</b>
C-POND-IDEN	Civil-Ponds-Identification
C-POND-KEYN	Civil-Ponds-Keynotes
C-POND-LABL	Civil-Ponds-Labels
C-POND-MARK	Civil-Ponds-Markers
C-POND-MATC	Civil-Ponds-Match Lines
C-POND-NOTE	Civil-Ponds-Notes
C-POND-NPLT	Civil-Ponds-Non Plotting Info
C-POND-PATT	Civil-Ponds-Hatch Pattern
C-POND-RDME	Civil-Ponds-Readme Layer
C-POND-REDL	Civil-Ponds-Redlines
C-POND-REFR	Civil-Ponds-Reference Files
C-POND-REVC	Civil-Ponds-Revision Clouds
C-POND-REVS	Civil-Ponds-Revisions
C-POND-SWAY	Civil-Ponds-Spillway
C-POND-SYMB	Civil-Ponds-Reference Symbols
C-POND-TABL	Civil-Ponds-Data Tables
C-POND-TEXT	Civil-Ponds-Text
C-POND-TOPB	Civil-Ponds-Top of Bank

<b>C-POWR</b>	<b>Civil-Power</b>

C-POWR-BRNG	Civil-Power-Bearings
-------------	----------------------



C-POWR-DIMS	Civil-Power-Dimensions
C-POWR-FENC	Civil-Power-Fence – <b>Parking Card Readers</b>
C-POWR-IDEN	Civil-Power-Identification
C-POWR-INST	Civil-Power-Instrumentation – <b>Power Meters on Civil Plans</b>
C-POWR-KEYN	Civil-Power-Keynotes
C-POWR-LABL	Civil-Power-Labels
C-POWR-MARK	Civil-Power-Markers
C-POWR-MATC	Civil-Power-Match Lines
C-POWR-MHOL	Civil-Power-Manhole
C-POWR-NOTE	Civil-Power-Notes
C-POWR-NPLT	Civil-Power-Non Plotting Info
C-POWR-OVHD	Civil-Power-Overhead Lines
C-POWR-PATT	Civil-Power-Hatch Pattern
C-POWR-POLE	Civil-Power-Box or Pole – <b>Exterior Parking Duplex</b>
C-POWR-RDME	Civil-Power-Readme Layer
C-POWR-REDL	Civil-Power-Redlines
C-POWR-REFR	Civil-Power-Reference Files
C-POWR-REVC	Civil-Power-Revision Clouds
C-POWR-REVS	Civil-Power-Revisions
C-POWR-STRC	Civil-Power-Structures – <b>Solar Panels, Hydro Towers</b>
C-POWR-SYMB	Civil-Power-Reference Symbols
C-POWR-TABL	Civil-Power-Data Tables
C-POWR-TEXT	Civil-Power-Text
C-POWR-UNDR	Civil-Power-Underground Lines
<b>C-PRKG</b>	<b>Civil-Parking Lots</b>
C-PRKG-ASPH	Civil-Parking Lots-Asphalt – <b>Parking Lots</b>
C-PRKG-BRNG	Civil-Parking Lots-Bearings
C-PRKG-CARS	Civil-Parking Lots-Cars and Other Vehicles
C-PRKG-CONC	Civil-Parking Lots-Concrete Surface
C-PRKG-CURB	Civil-Parking Lots-Curb – <b>Parking Lot Curbs</b>
C-PRKG-CURB-BACK	Civil-Parking Lots-Curb Back
C-PRKG-CURB-FACE	Civil-Parking Lots-Curb Face
C-PRKG-DIMS	Civil-Parking Lots- <b>Dimensions</b>
C-PRKG-DRAN	Civil-Parking Lots- <b>Drainage Slope Indications</b>
C-PRKG-FIXT	Civil-Parking Lots-Fixtures <b>_Wheel stops and Parking Meters - Bollards</b>
C-PRKG-FLNE	Civil-Parking Lots-Fire Lane
C-PRKG-FLNE-MRKG	Civil-Parking Lots-Fire Lane Markings

C-PRKG-FLNE-SIGN	Civil-Parking Lots-File Lane Signage
C-PRKG-GRVL	Civil-Parking Lots-Gravel
C-PRKG-IDEN	Civil-Parking Lots-Identification
C-PRKG-KEYN	Civil-Parking Lots-Keynotes
C-PRKG-LABL	Civil-Parking Lots-Labels
C-PRKG-MARK	Civil-Parking Lots-Markers – <b>Parking Lot Markers</b>
C-PRKG-MATC	Civil-Parking Lots-Match Lines
C-PRKG-MRKG	Civil-Parking Lots-Pavement Markings – <b>Barrier Free Parking Markings - Road Stripping</b>
C-PRKG-NOTE	Civil-Parking Lots-Notes
C-PRKG-NPLT	Civil-Parking Lots-Non Plotting Info
C-PRKG-PATT	Civil-Parking Lots-Hatch Pattern
C-PRKG-RDME	Civil-Parking Lots-Readme Layer
C-PRKG-REDL	Civil-Parking Lots-Redlines
C-PRKG-REFR	Civil-Parking Lots-Reference Files
C-PRKG-REVC	Civil-Parking Lots-Revision Clouds
C-PRKG-REVS	Civil-Parking Lots-Revisions
C-PRKG-SIGN	Civil-Parking Lots-Signage
C-PRKG-STRP	Civil-Parking Lots-Stripping
C-PRKG-SYMB	Civil-Parking Lots-Reference Symbols
C-PRKG-TABL	Civil-Parking Lots-Data Tables
C-PRKG-TEXT	Civil-Parking Lots-Text
C-PRKG-UPVD	Civil-Parking Lots-Unpaved Surface
C-PRKG-WHIT	Civil-Parking Lots-White Paint
C-PRKG-WHIT-TICK	Civil-Parking Lots-White Paint Tick Marks
C-PRKG-YELO	Civil-Parking Lots-Yellow Paint
C-PRKG-YELO-TICK	Civil-Parking Lots-Yellow Paint Tick Marks
<b>C-PROP</b>	<b>Civil-Property</b>

C-PROP-BRNG	Civil-Property-Bearings
C-PROP-DIMS	Civil-Property-Dimensions
C-PROP-IDEN	Civil-Property-Identification – <b>Building Sign</b>
C-PROP-KEYN	Civil-Property-Keynotes
C-PROP-LABL	Civil-Property-Labels
C-PROP-LINE	Civil-Property- <b>Property Line</b>
C-PROP-MARK	Civil-Property-Markers
C-PROP-MATC	Civil-Property-Match Lines
C-PROP-NOTE	Civil-Property-Notes
C-PROP-NPLT	Civil-Property-Non Plotting Info

C-PROP-PATT	Civil-Property-Hatch Pattern
C-PROP-RDME	Civil-Property-Readme Layer
C-PROP-REDL	Civil-Property-Redlines
C-PROP-REFR	Civil-Property-Reference Files – <b>Civil Plans on Mechanical Electrical discipline drawings – Civil Details (All Components)</b>
C-PROP-REVC	Civil-Property-Revision Clouds
C-PROP-REVS	Civil-Property-Revisions
C-PROP-SBCK	Civil-Property-SetBack Lines
C-PROP-SYMB	Civil-Property-Reference Symbols – <b>Zone Area Polylines</b>
C-PROP-TABL	Civil-Property-Data Tables
C-PROP-TEXT	Civil-Property-Text
<b>C-PVMT</b>	<b>Civil-Pavement</b>

C-PVMT-ASPH	Civil-Pavement-Asphalt Surface
C-PVMT-BRNG	Civil-Pavement-Bearings
C-PVMT-CONC	Civil-Pavement-Concrete Surface
C-PVMT-DIMS	Civil-Pavement-Dimensions
C-PVMT-GRVL	Civil-Pavement-Gravel Surface
C-PVMT-IDEN	Civil-Pavement-Identification
C-PVMT-KEYN	Civil-Pavement-Keynotes
C-PVMT-LABL	Civil-Pavement-Labels
C-PVMT-MARK	Civil-Pavement-Markers
C-PVMT-MATC	Civil-Pavement-Match Lines
C-PVMT-NOTE	Civil-Pavement-Notes
C-PVMT-NPLT	Civil-Pavement-Non Plotting Info
C-PVMT-PATT	Civil-Pavement-Hatch Pattern
C-PVMT-RDME	Civil-Pavement-Readme Layer
C-PVMT-REDL	Civil-Pavement-Redlines
C-PVMT-REFR	Civil-Pavement-Reference Files
C-PVMT-REVC	Civil-Pavement-Revision Clouds
C-PVMT-REVS	Civil-Pavement-Revisions
C-PVMT-SYMB	Civil-Pavement-Reference Symbols
C-PVMT-TABL	Civil-Pavement-Data Tables
C-PVMT-TEXT	Civil-Pavement-Text
<b>C-RAIL</b>	<b>Civil-Railroad</b>

C-RAIL-BRNG	Civil-Railroad-Bearings
C-RAIL-CNTR	Civil-Railroad-Centerline

C-RAIL-DIMS	Civil-Railroad-Dimensions
C-RAIL-EQPM	Civil-Railroad-Equipment _gates and signals
C-RAIL-IDEN	Civil-Railroad-Identification
C-RAIL-KEYN	Civil-Railroad-Keynotes
C-RAIL-LABL	Civil-Railroad-Labels
C-RAIL-MARK	Civil-Railroad-Markers
C-RAIL-MATC	Civil-Railroad-Match Lines
C-RAIL-NOTE	Civil-Railroad-Notes
C-RAIL-NPLT	Civil-Railroad-Non Plotting Info
C-RAIL-PATT	Civil-Railroad-Hatch Pattern
C-RAIL-RDME	Civil-Railroad-Readme Layer
C-RAIL-REDL	Civil-Railroad-Redlines
C-RAIL-REFR	Civil-Railroad-Reference Files
C-RAIL-REVC	Civil-Railroad-Revision Clouds
C-RAIL-REVS	Civil-Railroad-Revisions
C-RAIL-SYMB	Civil-Railroad-Reference Symbols
C-RAIL-TABL	Civil-Railroad-Data Tables
C-RAIL-TEXT	Civil-Railroad-Text
C-RAIL-TRAK	Civil-Railroad-Track – <b>Railroad Tracks on Civil Plans</b>
<b>C-RIVR</b>	<b>Civil-River</b>

C-RIVR-BOTM	Civil-River-Bottom of River
C-RIVR-BRNG	Civil-River-Bearings
C-RIVR-CNTR	Civil-River-Centerline of River
C-RIVR-DIMS	Civil-River-Dimensions
C-RIVR-EDGE	Civil-River-Edge of River
C-RIVR-IDEN	Civil-River-Identification
C-RIVR-KEYN	Civil-River-Keynotes
C-RIVR-LABL	Civil-River-Labels
C-RIVR-MARK	Civil-River-Markers
C-RIVR-MATC	Civil-River-Match Lines
C-RIVR-NOTE	Civil-River-Notes
C-RIVR-NPLT	Civil-River-Non Plotting Info
C-RIVR-PATT	Civil-River-Hatch Pattern
C-RIVR-RDME	Civil-River-Readme Layer
C-RIVR-REDL	Civil-River-Redlines
C-RIVR-REFR	Civil-River-Reference Files
C-RIVR-REVC	Civil-River-Revision Clouds
C-RIVR-REVS	Civil-River-Revisions

C-RIVR-SYMB	Civil-River-Reference Symbols
C-RIVR-TABL	Civil-River-Data Tables
C-RIVR-TEXT	Civil-River-Text
C-RIVR-TOPB	Civil-River-Top of River Bank
<b>C-ROAD</b>	<b>Civil-Roadways</b>
C-ROAD-ASPH	Civil-Roadways-Asphalt Surface
C-ROAD-BRNG	Civil-Roadways-Bearings
C-ROAD-CNTR	Civil-Roadways- <b>Centerline of Road</b>
C-ROAD-CONC	Civil-Roadways-Concrete Surface
C-ROAD-CURB	Civil-Roadways-Curb
C-ROAD-CURB-BACK	Civil-Roadways-Curb Back
C-ROAD-CURB-FACE	Civil-Roadways-Curb Face
C-ROAD-DIMS	Civil-Roadways-Dimensions
C-ROAD-FLNE	Civil-Roadways-Fire Lane
C-ROAD-FLNE-MRKG	Civil-Roadways-Fire Lane Markings
C-ROAD-FLNE-SIGN	Civil-Roadways-Fire Lane Signage
C-ROAD-GRVL	Civil-Roadways-Gravel Surface
C-ROAD-IDEN	Civil-Roadways-Identification
C-ROAD-KEYN	Civil-Roadways-Keynotes
C-ROAD-LABL	Civil-Roadways-Labels – <b>Road Names</b>
C-ROAD-MARK	Civil-Roadways-Markers
C-ROAD-MATC	Civil-Roadways-Match Lines
C-ROAD-MRKG	Civil-Roadways-Pavement Markings
C-ROAD-NOTE	Civil-Roadways-Notes
C-ROAD-NPLT	Civil-Roadways-Non Plotting Info
C-ROAD-PATT	Civil-Roadways-Hatch Pattern
C-ROAD-PROF	Civil-Roadways-Profile – <b>Road Profiles including Text, Leaders and Hatch Patterns</b>
C-ROAD-RDME	Civil-Roadways-Readme Layer
C-ROAD-REDL	Civil-Roadways-Redlines
C-ROAD-REFR	Civil-Roadways-Reference Files
C-ROAD-REVC	Civil-Roadways-Revision Clouds
C-ROAD-REVS	Civil-Roadways-Revisions
C-ROAD-SIGN	Civil-Roadways-Signage
C-ROAD-STAN	Civil-Roadways-Stationing – <b>Traffic Lights</b>
C-ROAD-SYMB	Civil-Roadways-Reference Symbols
C-ROAD-TABL	Civil-Roadways-Data Tables
C-ROAD-TEXT	Civil-Roadways-Text

C-ROAD-UPVD	Civil-Roadways-Unpaved Surface
C-ROAD-WHIT	Civil-Roadways-White Paint
C-ROAD-WHIT-TICK	Civil-Roadways-White Paint Tick Marks
C-ROAD-YELO	Civil-Roadways-Yellow Paint
C-ROAD-YELO-TICK	Civil-Roadways-Yellow Paint Tick Marks
<b>C-RRAP</b>	<b>Civil-RipRap</b>

C-RRAP-BRNG	Civil-RipRap-Bearings
C-RRAP-DIMS	Civil-RipRap-Dimensions
C-RRAP-IDEN	Civil-RipRap-Identification
C-RRAP-KEYN	Civil-RipRap-Keynotes
C-RRAP-LABL	Civil-RipRap-Labels
C-RRAP-MARK	Civil-RipRap-Markers
C-RRAP-MATC	Civil-RipRap-Match Lines
C-RRAP-NOTE	Civil-RipRap-Notes
C-RRAP-NPLT	Civil-RipRap-Non Plotting Info
C-RRAP-PATT	Civil-RipRap-Hatch Pattern
C-RRAP-RDME	Civil-RipRap-Readme Layer
C-RRAP-REDL	Civil-RipRap-Redlines
C-RRAP-REFR	Civil-RipRap-Reference Files
C-RRAP-REVC	Civil-RipRap-Revision Clouds
C-RRAP-REVS	Civil-RipRap-Revisions
C-RRAP-SYMB	Civil-RipRap-Reference Symbols
C-RRAP-TABL	Civil-RipRap-Data Tables
C-RRAP-TEXT	Civil-RipRap-Text

<b>C-SHGT</b>	<b>Civil-Sight Distance</b>

C-SHGT-BRNG	Civil-Sight Distance-Bearings
C-SHGT-DIMS	Civil-Sight Distance-Dimensions
C-SHGT-IDEN	Civil-Sight Distance-Identification
C-SHGT-KEYN	Civil-Sight Distance-Keynotes
C-SHGT-LABL	Civil-Sight Distance-Labels
C-SHGT-MARK	Civil-Sight Distance-Markers
C-SHGT-MATC	Civil-Sight Distance-Match Lines
C-SHGT-NOTE	Civil-Sight Distance-Notes
C-SHGT-NPLT	Civil-Sight Distance-Non Plotting Info
C-SHGT-PATT	Civil-Sight Distance-Hatch Pattern
C-SHGT-PROF	Civil-Sight Distance-Profile

C-SHGT-RDME	Civil-Sight Distance-Readme Layer
C-SHGT-REDL	Civil-Sight Distance-Redlines
C-SHGT-REFR	Civil-Sight Distance-Reference Files
C-SHGT-REVC	Civil-Sight Distance-Revision Clouds
C-SHGT-REVS	Civil-Sight Distance-Revisions
C-SHGT-SYMB	Civil-Sight Distance-Reference Symbols
C-SHGT-TABL	Civil-Sight Distance-Data Tables
C-SHGT-TEXT	Civil-Sight Distance-Text

<b>C-SOIL</b>	
<b>Civil-Soils</b>	

C-SOIL-BRNG	Civil-Soils-Bearings
C-SOIL-DIMS	Civil-Soils-Dimensions
C-SOIL-IDEN	Civil-Soils-Identification
C-SOIL-KEYN	Civil-Soils-Keynotes
C-SOIL-LABL	Civil-Soils-Labels
C-SOIL-MARK	Civil-Soils-Markers
C-SOIL-MATC	Civil-Soils-Match Lines
C-SOIL-NOTE	Civil-Soils-Notes
C-SOIL-NPLT	Civil-Soils-Non Plotting Info
C-SOIL-PATT	Civil-Soils-Hatch Pattern
C-SOIL-RDME	Civil-Soils-Readme Layer
C-SOIL-REDL	Civil-Soils-Redlines
C-SOIL-REFR	Civil-Soils-Reference Files
C-SOIL-REVC	Civil-Soils-Revision Clouds
C-SOIL-REVS	Civil-Soils-Revisions
C-SOIL-SYMB	Civil-Soils-Reference Symbols
C-SOIL-TABL	Civil-Soils-Data Tables
C-SOIL-TEXT	Civil-Soils-Text

<b>C-SSWR</b>	
<b>Civil-Sanitary Sewer System</b>	

C-SSWR-BRNG	Civil-Sanitary Sewer System-Bearings
C-SSWR-CNTR	Civil-Sanitary Sewer System-Centerline
C-SSWR-DIAG	Civil-Sanitary Sewer System-Plan Diagram
C-SSWR-DIMS	Civil-Sanitary Sewer System-Dimensions
C-SSWR-FORC	Civil-Sanitary Sewer System-Force main
C-SSWR-IDEN	Civil-Sanitary Sewer System-Identification
C-SSWR-KEYN	Civil-Sanitary Sewer System-Keynotes
C-SSWR-LABL	Civil-Sanitary Sewer System-Labels

C-SSWR-LATR	Civil-Sanitary Sewer System-Lateral Line
C-SSWR-MARK	Civil-Sanitary Sewer System-Markers
C-SSWR-MATC	Civil-Sanitary Sewer System-Match Lines
C-SSWR-MHOL	Civil-Sanitary Sewer System- <b>Manhole</b>
C-SSWR-NOTE	Civil-Sanitary Sewer System-Notes
C-SSWR-NPLT	Civil-Sanitary Sewer System-Non Plotting Info
C-SSWR-PATT	Civil-Sanitary Sewer System-Hatch Pattern
C-SSWR-PIPE	Civil-Sanitary Sewer System-Piping
C-SSWR-PIPE-RCON	Civil-Sanitary Sewer System-Reinforced Concrete Piping
C-SSWR-PIPE-STEL	Civil-Sanitary Sewer System-Steel Piping
C-SSWR-PROF	Civil-Sanitary Sewer System-Profile Table
C-SSWR-RDME	Civil-Sanitary Sewer System-Readme Layer
C-SSWR-REDL	Civil-Sanitary Sewer System-Redlines
C-SSWR-REFR	Civil-Sanitary Sewer System-Reference Files
C-SSWR-REVC	Civil-Sanitary Sewer System-Revision Clouds
C-SSWR-REVS	Civil-Sanitary Sewer System-Revisions
C-SSWR-STAN	Civil-Sanitary Sewer System-Stationing
C-SSWR-STRC	Civil-Sanitary Sewer System-Structures – <b>Sewer Pump Station</b>
C-SSWR-SYMB	Civil-Sanitary Sewer System-Reference Symbols
C-SSWR-TABL	Civil-Sanitary Sewer System-Data Tables
C-SSWR-TEXT	Civil-Sanitary Sewer System-Text
C-SSWR-UNDR	Civil-Sanitary Sewer System- <b>Underground Piping</b>

<b>C-STEM</b>	<b>Civil-Steam System</b>

C-STEM-BRNG	Civil-Steam System-Bearings
C-STEM-CNTR	Civil-Steam System-Centerline
C-STEM-DIMS	Civil-Steam System-Dimensions
C-STEM-IDEN	Civil-Steam System-Identification
C-STEM-INST	Civil-Steam System-Instrumentation
C-STEM-KEYN	Civil-Steam System-Keynotes
C-STEM-LABL	Civil-Steam System-Labels
C-STEM-MARK	Civil-Steam System-Markers
C-STEM-MATC	Civil-Steam System-Match Lines
C-STEM-MHOL	Civil-Steam System-Manhole
C-STEM-NOTE	Civil-Steam System-Notes
C-STEM-NPLT	Civil-Steam System-Non Plotting Info
C-STEM-PATT	Civil-Steam System-Hatch Pattern
C-STEM-PIPE	Civil-Steam System-Piping
C-STEM-RDME	Civil-Steam System-Readme Layer



C-STEM-REDL	Civil-Steam System-Redlines
C-STEM-REFR	Civil-Steam System-Reference Files
C-STEM-REVC	Civil-Steam System-Revision Clouds
C-STEM-REVS	Civil-Steam System-Revisions
C-STEM-STRC	Civil-Steam System-Structures
C-STEM-SYMB	Civil-Steam System-Reference Symbols
C-STEM-TABL	Civil-Steam System-Data Tables
C-STEM-TEXT	Civil-Steam System-Text
C-STEM-UNDR	Civil-Steam System- <b>Underground Piping</b>

<b>C-STRM</b>	<b>Civil-Storm Sewer System</b>
---------------	---------------------------------

C-STRM-BRNG	Civil-Storm Sewer System-Bearings – <b>Drainage Slope Arrows</b>
C-STRM-CNTR	Civil-Storm Sewer System-Centerline
C-STRM-DIAG	Civil-Storm Sewer System-Plan Diagram
C-STRM-DIMS	Civil-Storm Sewer System-Dimensions
C-STRM-HWAL	Civil-Storm Sewer System-Headwall
C-STRM-IDEN	Civil-Storm Sewer System-Identification – <b>Catch Basin Grates &amp; Sumps</b>
C-STRM-KEYN	Civil-Storm Sewer System-Keynotes
C-STRM-LABL	Civil-Storm Sewer System-Labels
C-STRM-LATR	Civil-Storm Sewer System-Lateral Line
C-STRM-MARK	Civil-Storm Sewer System-Markers
C-STRM-MATC	Civil-Storm Sewer System-Match Lines
C-STRM-MHOL	Civil-Storm Sewer System-Manhole
C-STRM-NOTE	Civil-Storm Sewer System-Notes
C-STRM-NPLT	Civil-Storm Sewer System-Non Plotting Info
C-STRM-PATT	Civil-Storm Sewer System-Hatch Pattern
C-STRM-PIPE	Civil-Storm Sewer System-Piping – <b>Eaves Trough – Weeping Tiles, Splash Pads &amp; Culverts</b>
C-STRM-PIPE-CMTL	Civil-Storm Sewer System-Corrugated Metal
C-STRM-PIPE-RCON	Civil-Storm Sewer System-Reinforced Concrete Piping
C-STRM-PROF	Civil-Storm Sewer System-Profile
C-STRM-RDME	Civil-Storm Sewer System-Readme Layer
C-STRM-REDL	Civil-Storm Sewer System-Redlines
C-STRM-REFR	Civil-Storm Sewer System-Reference Files
C-STRM-REVC	Civil-Storm Sewer System-Revision Clouds
C-STRM-REVS	Civil-Storm Sewer System-Revisions
C-STRM-STAN	Civil-Storm Sewer System-Stationing – <b>Monitoring Well</b>
C-STRM-STRC	Civil-Storm Sewer System-Structures – <b>Catch Basins Grates – Parking Lot Oil Interceptor</b>

C-STRM-SYMB	Civil-Storm Sewer System-Reference Symbols
C-STRM-TABL	Civil-Storm Sewer System-Data Tables
C-STRM-TEXT	Civil-Storm Sewer System-Text
C-STRM-UNDR	Civil-Storm Sewer System- <b>Underground Piping – Weeping Tiles</b>

<b>C-SWLK</b>	<b>Civil-Sidewalk</b>
---------------	-----------------------

C-SWLK-ASPH	Civil-Sidewalk- <b>Asphalt Surface</b>
C-SWLK-BRNG	Civil-Sidewalk-Bearings
C-SWLK-CONC	Civil-Sidewalk- <b>Concrete Surface – Patio Stones</b>
C-SWLK-DIMS	Civil-Sidewalk-Dimensions
C-SWLK-IDEN	Civil-Sidewalk-Identification – <b>Painted Cross Walk</b>
C-SWLK-KEYN	Civil-Sidewalk-Keynotes
C-SWLK-LABL	Civil-Sidewalk-Labels
C-SWLK-MARK	Civil-Sidewalk-Markers
C-SWLK-MATC	Civil-Sidewalk-Match Lines
C-SWLK-NOTE	Civil-Sidewalk-Notes
C-SWLK-NPLT	Civil-Sidewalk-Non Plotting Info
C-SWLK-PATT	Civil-Sidewalk-Hatch Pattern
C-SWLK-RDME	Civil-Sidewalk-Readme Layer
C-SWLK-REDL	Civil-Sidewalk-Redlines
C-SWLK-REFR	Civil-Sidewalk-Reference Files
C-SWLK-REVC	Civil-Sidewalk-Revision Clouds
C-SWLK-REVS	Civil-Sidewalk-Revisions
C-SWLK-SYMB	Civil-Sidewalk-Reference Symbols
C-SWLK-TABL	Civil-Sidewalk-Data Tables
C-SWLK-TEXT	Civil-Sidewalk-Text

<b>C-TINN</b>	<b>Civil-Triangulated Irregular Network</b>
---------------	---

C-TINN-BNDY	Civil-Triangulated Irregular Network-Boundary
C-TINN-BRNG	Civil-Triangulated Irregular Network-Bearings
C-TINN-DIMS	Civil-Triangulated Irregular Network-Dimensions
C-TINN-FALT	Civil-Triangulated Irregular Network-Faultline
C-TINN-IDEN	Civil-Triangulated Irregular Network-Identification
C-TINN-KEYN	Civil-Triangulated Irregular Network-Keynotes
C-TINN-LABL	Civil-Triangulated Irregular Network-Labels
C-TINN-MARK	Civil-Triangulated Irregular Network-Markers
C-TINN-MATC	Civil-Triangulated Irregular Network-Match Lines
C-TINN-NOTE	Civil-Triangulated Irregular Network-Notes

C-TINN-NPLT	Civil-Triangulated Irregular Network-Non Plotting Info
C-TINN-PATT	Civil-Triangulated Irregular Network-Hatch Pattern
C-TINN-RDME	Civil-Triangulated Irregular Network-Readme Layer
C-TINN-REDL	Civil-Triangulated Irregular Network-Redlines
C-TINN-REFR	Civil-Triangulated Irregular Network-Reference Files
C-TINN-REVC	Civil-Triangulated Irregular Network-Revision Clouds
C-TINN-REVS	Civil-Triangulated Irregular Network-Revisions
C-TINN-SYMB	Civil-Triangulated Irregular Network-Reference Symbols
C-TINN-TABL	Civil-Triangulated Irregular Network-Data Tables
C-TINN-TEXT	Civil-Triangulated Irregular Network-Text
C-TINN-VIEW	Civil-Triangulated Irregular Network-Faces
C-TINN-VOID	Civil-Triangulated Irregular Network-No TINN Space
<b>C-TOPO</b>	<b>Civil-Topography</b>

C-TOPO-BORE	Civil-Topography-Test Borings
C-TOPO-BRNG	Civil-Topography-Bearings
C-TOPO-DEPR	Civil-Topography-Depression Contours
C-TOPO-DIMS	Civil-Topography-Dimensions
C-TOPO-IDEN	Civil-Topography-Identification
C-TOPO-KEYN	Civil-Topography-Keynotes
C-TOPO-LABL	Civil-Topography-Labels
C-TOPO-MAJR	Civil-Topography-Major Contours– <b>Index Contours Lines 100, 200, etc.</b>
C-TOPO-MARK	Civil-Topography-Markers
C-TOPO-MATC	Civil-Topography-Match Lines
C-TOPO-MINR	Civil-Topography-Minor Contours - <b>Site Interval Contour Lines 110, 120, 130, etc.</b>
C-TOPO-NOTE	Civil-Topography-Notes
C-TOPO-NPLT	Civil-Topography-Non Plotting Info
C-TOPO-PATT	Civil-Topography-Hatch Pattern
C-TOPO-RDME	Civil-Topography-Readme Layer
C-TOPO-REDL	Civil-Topography-Redlines
C-TOPO-REFR	Civil-Topography-Reference Files
C-TOPO-REVC	Civil-Topography-Revision Clouds
C-TOPO-REVS	Civil-Topography-Revisions
C-TOPO-SPOT	Civil-Topography-Spot Elevations
C-TOPO-SYMB	Civil-Topography-Reference Symbols – <b>Slope Lines</b>
C-TOPO-TABL	Civil-Topography-Data Tables
C-TOPO-TEXT	Civil-Topography-Text

C-TOPO-TPIT	Civil-Topography-Test Pits
<b>C-TRAL</b>	<b>Civil-Trails and Paths</b>

C-TRAL-ASPH	Civil-Trails and Paths-Asphalt Surface
C-TRAL-BRNG	Civil-Trails and Paths-Bearings
C-TRAL-CNTR	Civil-Trails and Paths-Centerline
C-TRAL-CONC	Civil-Trails and Paths-Concrete Surface
C-TRAL-DIMS	Civil-Trails and Paths-Dimensions
C-TRAL-GRVL	Civil-Trails and Paths-Gravel Surface
C-TRAL-IDEN	Civil-Trails and Paths-Identification
C-TRAL-KEYN	Civil-Trails and Paths-Keynotes
C-TRAL-LABL	Civil-Trails and Paths-Labels
C-TRAL-MARK	Civil-Trails and Paths-Markers
C-TRAL-MATC	Civil-Trails and Paths-Match Lines
C-TRAL-MRKG	Civil-Trails and Paths-Pavement Markings
C-TRAL-NOTE	Civil-Trails and Paths-Notes
C-TRAL-NPLT	Civil-Trails and Paths-Non Plotting Info
C-TRAL-PATT	Civil-Trails and Paths-Hatch Pattern
C-TRAL-RDME	Civil-Trails and Paths-Readme Layer
C-TRAL-REDL	Civil-Trails and Paths-Redlines
C-TRAL-REFR	Civil-Trails and Paths-Reference Files
C-TRAL-REVC	Civil-Trails and Paths-Revision Clouds
C-TRAL-REVS	Civil-Trails and Paths-Revisions
C-TRAL-SIGN	Civil-Trails and Paths-Signage
C-TRAL-SYMB	Civil-Trails and Paths-Reference Symbols
C-TRAL-TABL	Civil-Trails and Paths-Data Tables
C-TRAL-TEXT	Civil-Trails and Paths-Text
C-TRAL-UPVD	Civil-Trails and Paths-Unpaved Surfaces

<b>C-WALL</b>	<b>Civil-Walls</b>

C-WALL-BRNG	Civil-Walls-Bearings
C-WALL-CTLJ	Civil-Walls-Control Joints
C-WALL-DIMS	Civil-Walls-Dimensions
C-WALL-IDEN	Civil-Walls-Identification
C-WALL-KEYN	Civil-Walls-Keynotes
C-WALL-LABL	Civil-Walls-Labels
C-WALL-MARK	Civil-Walls-Markers
C-WALL-MATC	Civil-Walls-Match Lines

C-WALL-NOTE	Civil-Walls-Notes
C-WALL-NPLT	Civil-Walls-Non Plotting Info
C-WALL-NSBR	Civil-Walls-Noise Barrier
C-WALL-PATT	Civil-Walls-Hatch Pattern
C-WALL-RDME	Civil-Walls-Readme Layer
C-WALL-REDL	Civil-Walls-Redlines
C-WALL-REFR	Civil-Walls-Reference Files
C-WALL-REVC	Civil-Walls-Revision Clouds
C-WALL-REVS	Civil-Walls-Revisions
C-WALL-RTWL	Civil-Walls- <b>Retaining Wall – Window Wells</b>
C-WALL-SHEA	Civil-Walls-Structure Bearing or Shear Walls
C-WALL-SYMB	Civil-Walls-Reference Symbols
C-WALL-TABL	Civil-Walls-Data Tables
C-WALL-TEXT	Civil-Walls-Text
<b>C-WATR</b>	<b>Civil-Water Supply System</b>

C-WATR-BRNG	Civil-Water Supply System-Bearings
C-WATR-CNTR	Civil-Water Supply System-Centerline
C-WATR-DIAG	Civil-Water Supply System-Plan Diagram
C-WATR-DIMS	Civil-Water Supply System-Dimensions
C-WATR-IDEN	Civil-Water Supply System-Identification – <b>Water Valves on Plan</b>
C-WATR-INST	Civil-Water Supply System-Instrumentation
C-WATR-KEYN	Civil-Water Supply System-Keynotes
C-WATR-LABL	Civil-Water Supply System-Labels – <b>Lake names on Civil Plans</b>
C-WATR-LATR	Civil-Water Supply System-Lateral Line
C-WATR-MARK	Civil-Water Supply System-Markers
C-WATR-MATC	Civil-Water Supply System-Match Lines
C-WATR-NOTE	Civil-Water Supply System-Notes
C-WATR-NPLT	Civil-Water Supply System-Non Plotting Info
C-WATR-PATT	Civil-Water Supply System-Hatch Pattern
C-WATR-PIPE	Civil-Water Supply System-Piping
C-WATR-PROF	Civil-Water Supply System-Profile
C-WATR-RDME	Civil-Water Supply System-Readme Layer
C-WATR-REDL	Civil-Water Supply System-Redlines
C-WATR-REFR	Civil-Water Supply System-Reference Files
C-WATR-REVC	Civil-Water Supply System-Revision Clouds
C-WATR-REVS	Civil-Water Supply System-Revisions
C-WATR-STAN	Civil-Water Supply System-Stationing – <b>Water Spout Post on Civil Plans – Eye Wash on Civil Plans</b>

C-WATR-STRC	Civil-Water Supply System-Structures
C-WATR-SYMB	Civil-Water Supply System-Reference Symbols
C-WATR-TABL	Civil-Water Supply System-Data Tables
C-WATR-TEXT	Civil-Water Supply System-Text
C-WATR-UNDR	Civil-Water Supply System- <b>Underground Piping – Domestic Water Piping</b>
C-WATR-WELL	Civil-Water Supply System-Well
<b>C-WETL</b>	<b>Civil-Wetlands</b>

C-WETL-BRNG	Civil-Wetlands-Bearings
C-WETL-DIMS	Civil-Wetlands-Dimensions
C-WETL-IDEN	Civil-Wetlands-Identification
C-WETL-KEYN	Civil-Wetlands-Keynotes
C-WETL-LABL	Civil-Wetlands-Labels
C-WETL-MARK	Civil-Wetlands-Markers
C-WETL-MATC	Civil-Wetlands-Match Lines
C-WETL-NOTE	Civil-Wetlands-Notes
C-WETL-NPLT	Civil-Wetlands-Non Plotting Info
C-WETL-PATT	Civil-Wetlands-Hatch Pattern
C-WETL-RDME	Civil-Wetlands-Readme Layer
C-WETL-REDL	Civil-Wetlands-Redlines
C-WETL-REFR	Civil-Wetlands-Reference Files
C-WETL-REVC	Civil-Wetlands-Revision Clouds
C-WETL-REVS	Civil-Wetlands-Revisions
C-WETL-SYMB	Civil-Wetlands-Reference Symbols
C-WETL-TABL	Civil-Wetlands-Data Tables

## 7.4 Electrical Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>E-ANNO Electrical-Annotation</b>	
E-ANNO-1LIN	Electrical-Annotation-One Line Diagrams
E-ANNO-BRNG	Electrical-Annotation-Bearings
E-ANNO-DIMS	Electrical-Annotation-Dimensions
E-ANNO-IDEN	Electrical-Annotation-Identification
E-ANNO-KEYN	Electrical-Annotation-Keynotes
E-ANNO-LABL	Electrical-Annotation-Labels
E-ANNO-MARK	Electrical-Annotation-Markers
E-ANNO-MATC	Electrical-Annotation-Match Lines
E-ANNO-NOTE	Electrical-Annotation-Notes
E-ANNO-NPLT	Electrical-Annotation-Non Plotting Info
E-ANNO-PATT	Electrical-Annotation-Hatch Pattern
E-ANNO-RDME	Electrical-Annotation-Readme Layer
E-ANNO-REDL	Electrical-Annotation-Redlines
E-ANNO-REFR	Electrical-Annotation-Reference Files
E-ANNO-REVC	Electrical-Annotation-Revision Clouds
E-ANNO-REVS	Electrical-Annotation-Revisions
E-ANNO-RISR	Electrical-Annotation-Riser Diagram
E-ANNO-SYMB	Electrical-Annotation-Reference Symbols
E-ANNO-TABL	Electrical-Annotation-Data Tables
E-ANNO-TEXT	Electrical-Annotation-Text – <b>Single Line Diagram Text or E-POWER-TEXT</b>
<b>E-AUXL Electrical-Auxillary System</b>	
E-AUXL-1LIN	Electrical-Auxiliary System-One Line Diagrams
E-AUXL-BRNG	Electrical-Auxiliary System-Bearings
E-AUXL-DIMS	Electrical-Auxiliary System-Dimensions
E-AUXL-IDEN	Electrical-Auxiliary System-Identification
E-AUXL-KEYN	Electrical-Auxiliary System-Keynotes
E-AUXL-LABL	Electrical-Auxiliary System-Labels
E-AUXL-MARK	Electrical-Auxiliary System-Markers
E-AUXL-MATC	Electrical-Auxiliary System-Match Lines

E-AUXL-NOTE	Electrical-Auxiliary System-Notes
E-AUXL-NPLT	Electrical-Auxiliary System-Non Plotting Info
E-AUXL-PATT	Electrical-Auxiliary System-Hatch Pattern
E-AUXL-RDME	Electrical-Auxiliary System-Readme Layer
E-AUXL-REDL	Electrical-Auxiliary System-Redlines
E-AUXL-REFR	Electrical-Auxiliary System-Reference Files
E-AUXL-REVC	Electrical-Auxiliary System-Revision Clouds
E-AUXL-REVS	Electrical-Auxiliary System-Revisions
E-AUXL-RISR	Electrical-Auxiliary System-Riser Diagram
E-AUXL-SYMB	Electrical-Auxiliary System-Reference Symbols
E-AUXL-TABL	Electrical-Auxiliary System-Data Tables
E-AUXL-TEXT	Electrical-Auxiliary System-Text
<b>E-CTRL</b>	<b>Electrical-Control Systems</b>

E-CTRL-1LIN	Electrical-Control Systems- <b>One Line Diagrams</b>
E-CTRL-BRNG	Electrical-Control Systems-Bearings
E-CTRL-DEVC	Electrical-Control Systems-Devices – <b>Barrier Free Push Paddles – BAS Control Panel – DDC Cabinets – Device Starters</b>
E-CTRL-DIMS	Electrical-Control Systems-Dimensions
E-CTRL-IDEN	Electrical-Control Systems-Identification
E-CTRL-KEYN	Electrical-Control Systems-Keynotes
E-CTRL-LABL	Electrical-Control Systems-Labels
E-CTRL-MARK	Electrical-Control Systems-Markers
E-CTRL-MATC	Electrical-Control Systems-Match Lines
E-CTRL-NOTE	Electrical-Control Systems-Notes
E-CTRL-NPLT	Electrical-Control Systems-Non Plotting Info
E-CTRL-PATT	Electrical-Control Systems-Hatch Pattern
E-CTRL-RDME	Electrical-Control Systems-Readme Layer
E-CTRL-REDL	Electrical-Control Systems-Redlines
E-CTRL-REFR	Electrical-Control Systems-Reference Files
E-CTRL-REVC	Electrical-Control Systems-Revision Clouds
E-CTRL-REVS	Electrical-Control Systems-Revisions
E-CTRL-RISR	Electrical-Control Systems-Riser Diagram
E-CTRL-SYMB	Electrical-Control Systems-Reference Symbols
E-CTRL-TABL	Electrical-Control Systems-Data Tables
E-CTRL-TEXT	Electrical-Control Systems-Text
E-CTRL-WIRE	Electrical-Control Systems-Wiring – <b>Wiring for Light Switches</b>



<b>E-GRND</b>	<b>Electrical-Ground Systems</b>
E-GRND-1LIN	Electrical-Ground Systems-One Line Diagrams
E-GRND-BRNG	Electrical-Ground Systems-Bearings
E-GRND-CIRC	Electrical-Ground Systems-Circuits
E-GRND-DIAG	Electrical-Ground Systems-Diagram
E-GRND-DIMS	Electrical-Ground Systems-Dimensions
E-GRND-EQUI	Electrical-Ground Systems-Equipotential
E-GRND-IDEN	Electrical-Ground Systems-Identification – <b>Grounding Plate</b>
E-GRND-KEYN	Electrical-Ground Systems-Keynotes
E-GRND-LABL	Electrical-Ground Systems-Labels
E-GRND-MARK	Electrical-Ground Systems-Markers
E-GRND-MATC	Electrical-Ground Systems-Match Lines
E-GRND-NOTE	Electrical-Ground Systems-Notes
E-GRND-NPLT	Electrical-Ground Systems-Non Plotting Info
E-GRND-PATT	Electrical-Ground Systems-Hatch Pattern
E-GRND-RDME	Electrical-Ground Systems-Readme Layer
E-GRND-REDL	Electrical-Ground Systems-Redlines
E-GRND-REFR	Electrical-Ground Systems-Reference
E-GRND-REFR	Electrical-Ground Systems-Reference Files
E-GRND-REVC	Electrical-Ground Systems-Revision Clouds
E-GRND-REVS	Electrical-Ground Systems-Revisions
E-GRND-RISR	Electrical-Ground Systems-Riser Diagram
E-GRND-SYMB	Electrical-Ground Systems-Reference Symbols
E-GRND-TABL	Electrical-Ground Systems-Data Tables
E-GRND-TEXT	Electrical-Ground Systems-Text
<b>E-LITE</b>	<b>Electrical-Lighting</b>
E-LITE-1LIN	Electrical-Lighting-One Line Diagrams
E-LITE-BRNG	Electrical-Lighting-Bearings – <b>Light Zone Identification</b>
E-LITE-CIRC	Electrical-Lighting-Circuits
E-LITE-CIRC-NUMB	Electrical-Lighting-Numbers – <b>Light Circuit Numbers</b>
E-LITE-CLNG	Electrical-Lighting-Ceiling Mounted – <b>All Ceiling Lights</b>
E-LITE-DIMS	Electrical-Lighting-Dimensions
E-LITE-EMER	Electrical-Lighting-Emergency – <b>All Emergency Lights incl Hatch Patterns</b>
E-LITE-EXIT	Electrical-Lighting-Exit – <b>All Exit Lights</b>
E-LITE-EXTR	Electrical-Lighting-Exterior and Site – <b>Site Plan Lights</b>

E-LITE-FLOR	Electrical-Lighting-Floor Mounted
E-LITE-IDEN	Electrical-Lighting-Identification – <b>Light Number or Status</b>
E-LITE-IDEN	Electrical-Lighting-Identification
E-LITE-JBOX	Electrical-Lighting-Junction Box
E-LITE-KEYN	Electrical-Lighting-Keynotes
E-LITE-LABL	Electrical-Lighting-Labels
E-LITE-MARK	Electrical-Lighting-Markers
E-LITE-MATC	Electrical-Lighting-Match Lines
E-LITE-NOTE	Electrical-Lighting-Notes
E-LITE-NPLT	Electrical-Lighting-Non Plotting Info
E-LITE-OTLN	Electrical-Lighting-Outline
E-LITE-PATT	Electrical-Lighting-Hatch Pattern
E-LITE-RDME	Electrical-Lighting-Readme Layer
E-LITE-REDL	Electrical-Lighting-Redlines
E-LITE-REFR	Electrical-Lighting-Reference Files
E-LITE-REVC	Electrical-Lighting-Revision Clouds
E-LITE-REVS	Electrical-Lighting-Revisions
E-LITE-RISR	Electrical-Lighting-Riser Diagram
E-LITE-ROOF	Electrical-Lighting-Roof
E-LITE-SPCL	Electrical-Lighting-Special – <b>Task Lighting</b>
E-LITE-SWCH	Electrical-Lighting-Switches – <b>Light Switches, Motion Sensors Photocell</b>
E-LITE-SYMB	Electrical-Lighting-Reference Symbols
E-LITE-TABL	Electrical-Lighting-Data Tables
E-LITE-TEXT	Electrical-Lighting-Text
E-LITE-WALL	Electrical-Lighting-Wall Mounted – <b>Wall Mounted Lights</b>
<b>E-LTNG</b>	<b>Electrical-Lightning Protection Systems</b>

E-LTNG-1LIN	Electrical-Lightning Protection Systems-One Line Diagrams
E-LTNG-BRNG	Electrical-Lightning Protection Systems-Bearings
E-LTNG-DIMS	Electrical-Lightning Protection Systems-Dimensions
E-LTNG-IDEN	Electrical-Lightning Protection Systems-Identification
E-LTNG-KEYN	Electrical-Lightning Protection Systems-Keynotes
E-LTNG-LABL	Electrical-Lightning Protection Systems-Labels
E-LTNG-MARK	Electrical-Lightning Protection Systems-Markers
E-LTNG-MATC	Electrical-Lightning Protection Systems-Match Lines
E-LTNG-NOTE	Electrical-Lightning Protection Systems-Notes
E-LTNG-NPLT	Electrical-Lightning Protection Systems-Non Plotting Info
E-LTNG-PATT	Electrical-Lightning Protection Systems-Hatch Pattern

E-LTNG-RDME	Electrical-Lightning Protection Systems-Readme Layer
E-LTNG-REDL	Electrical-Lightning Protection Systems-Redlines
E-LTNG-REFR	Electrical-Lightning Protection Systems-Reference Files
E-LTNG-REVC	Electrical-Lightning Protection Systems-Revision Clouds
E-LTNG-REVS	Electrical-Lightning Protection Systems-Revisions
E-LTNG-RISR	Electrical-Lightning Protection Systems-Riser Diagram
E-LTNG-SYMB	Electrical-Lightning Protection Systems-Reference Symbols- <b>Lightning Rods</b>
E-LTNG-TABL	Electrical-Lightning Protection Systems-Data Tables
E-LTNG-TEXT	Electrical-Lightning Protection Systems-Text
<b>E-POWR</b>	<b>Electrical-Power</b>

E-POWR-1LIN	Electrical-Power-One Line Diagrams – <b>Single Line Power Diagrams</b>
E-POWR-BRNG	Electrical-Power-Bearings
E-POWR-BUSW	Electrical-Power-Busways – <b>Elect. Conduits &amp; Furniture Panel Raceway &amp; Data Comm. Cables</b>
E-POWR-CABL	Electrical-Power- <b>Cable Trays</b>
E-POWR-CIRC	Electrical-Power-Circuits
E-POWR-CIRC-NUMB	Electrical-Power-Numbers – <b>Duplex Circuit #'s On Plan</b>
E-POWR-DEVC	Electrical-Power-Devices – <b>Duplex Receptacles, Power and Comm. Poles Direct Connections</b>
E-POWR-DIMS	Electrical-Power-Dimensions
E-POWR-EQPM	Electrical-Power-Equipment – <b>UPS &amp; Disconnect Switches / Splitters</b>
E-POWR-FEED	Electrical-Power-Feeders – <b>Furniture Panel Base Feed (Whip)</b>
E-POWR-IDEN	Electrical-Power-Identification
E-POWR-JBOX	Electrical-Power-Junction Box
E-POWR-KEYN	Electrical-Power-Keynotes
E-POWR-LABL	Electrical-Power-Labels
E-POWR-MARK	Electrical-Power-Markers
E-POWR-MATC	Electrical-Power-Match Lines
E-POWR-NOTE	Electrical-Power-Notes
E-POWR-NPLT	Electrical-Power-Non Plotting Info
E-POWR-PANL	Electrical-Power-Panels – <b>Power Panels</b>
E-POWR-PATT	Electrical-Power-Hatch Pattern
E-POWR-RDME	Electrical-Power-Readme Layer
E-POWR-REDL	Electrical-Power-Redlines
E-POWR-REFR	Electrical-Power-Reference Files

E-POWR-REVC	Electrical-Power-Revision Clouds
E-POWR-REVS	Electrical-Power-Revisions
E-POWR-RISR	Electrical-Power-Riser Diagram
E-POWR-ROOF	Electrical-Power-Roof – <b>Roof Power Cables</b>
E-POWR-SWBD	Electrical-Power-Switchboards
E-POWR-SYMB	Electrical-Power-Reference Symbols
E-POWR-TABL	Electrical-Power-Data Tables
E-POWR-TEXT	Electrical-Power-Text – <b>Single Line Diag. Text</b>
E-POWR-UCPT	Electrical-Power- <b>Under Carpet Wiring</b>
E-POWR-URAC	Electrical-Power-Underfloor Raceways
<b>E-SITE</b>	<b>Electrical-Site</b>

E-SITE-1LIN	Electrical-Site-One Line Diagrams
E-SITE-BRNG	Electrical-Site-Bearings
E-SITE-DIMS	Electrical-Site-Dimensions
E-SITE-IDEN	Electrical-Site-Identification
E-SITE-KEYN	Electrical-Site-Keynotes
E-SITE-LABL	Electrical-Site-Labels
E-SITE-MARK	Electrical-Site-Markers
E-SITE-MATC	Electrical-Site-Match Lines
E-SITE-NOTE	Electrical-Site-Notes
E-SITE-NPLT	Electrical-Site-Non Plotting Info
E-SITE-OVHD	Electrical-Site-Overhead Lines
E-SITE-PATT	Electrical-Site-Hatch Pattern
E-SITE-POLE	Electrical-Site-Electric Poles
E-SITE-RDME	Electrical-Site-Readme Layer
E-SITE-REDL	Electrical-Site-Redlines
E-SITE-REFR	Electrical-Site-Reference Files
E-SITE-REVC	Electrical-Site-Revision Clouds
E-SITE-REVS	Electrical-Site-Revisions
E-SITE-RISR	Electrical-Site-Riser Diagram
E-SITE-SYMB	Electrical-Site-Reference Symbols
E-SITE-TABL	Electrical-Site-Data Tables
E-SITE-TEXT	Electrical-Site-Text
E-SITE-UNDR	Electrical-Site-Underground Lines

## 7.5 Equipment Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>Q-ANNO Equipment-Annotation</b>	
Q-ANNO-BRNG	Equipment-Annotation-Bearings
Q-ANNO-DIMS	Equipment-Annotation-Dimensions
Q-ANNO-IDEN	Equipment-Annotation-Identification
Q-ANNO-KEYN	Equipment-Annotation-Keynotes
Q-ANNO-LABL	Equipment-Annotation-Labels
Q-ANNO-MARK	Equipment-Annotation-Markers
Q-ANNO-MATC	Equipment-Annotation-Match Lines
Q-ANNO-NOTE	Equipment-Annotation-Notes
Q-ANNO-NPLT	Equipment-Annotation-Non Plotting Info
Q-ANNO-OTLN	Equipment-Annotation-Outline
Q-ANNO-PATT	Equipment-Annotation-Hatch Pattern
Q-ANNO-PIPE	Equipment-Annotation-Piping
Q-ANNO-RDME	Equipment-Annotation-Readme Layer
Q-ANNO-REDL	Equipment-Annotation-Redlines
Q-ANNO-REFR	Equipment-Annotation-Reference Files
Q-ANNO-REVC	Equipment-Annotation-Revision Clouds
Q-ANNO-REVS	Equipment-Annotation-Revisions
Q-ANNO-SYMB	Equipment-Annotation-Reference Symbols
Q-ANNO-TABL	Equipment-Annotation-Data Tables
Q-ANNO-TEXT	Equipment-Annotation-Text
<b>Q-EXHS Equipment-Exhaust</b>	
Q-EXHS-BRNG	Equipment-Exhaust-Bearings
Q-EXHS-DIMS	Equipment-Exhaust-Dimensions
Q-EXHS-IDEN	Equipment-Exhaust-Identification
Q-EXHS-KEYN	Equipment-Exhaust-Keynotes
Q-EXHS-LABL	Equipment-Exhaust-Labels
Q-EXHS-MARK	Equipment-Exhaust-Markers
Q-EXHS-MATC	Equipment-Exhaust-Match Lines
Q-EXHS-NOTE	Equipment-Exhaust-Notes
Q-EXHS-NPLT	Equipment-Exhaust-Non Plotting Info

Q-EXHS-OTLN	Equipment-Exhaust-Outline – <b>Machine Exhaust Equipment</b>
Q-EXHS-PATT	Equipment-Exhaust-Hatch Pattern
Q-EXHS-PIPE	Equipment-Exhaust-Piping – <b>Vent Piping for Fuel Storage Tanks &amp; Boiler Vent Piping</b>
Q-EXHS-RDME	Equipment-Exhaust-Readme Layer
Q-EXHS-REDL	Equipment-Exhaust-Redlines
Q-EXHS-REFR	Equipment-Exhaust-Reference Files
Q-EXHS-REVC	Equipment-Exhaust-Revision Clouds
Q-EXHS-REVS	Equipment-Exhaust-Revisions
Q-EXHS-SYMB	Equipment-Exhaust-Reference Symbols
Q-EXHS-TABL	Equipment-Exhaust-Data Tables
Q-EXHS-TEXT	Equipment-Exhaust-Text

<b>Q-POWR</b>	<b>Equipment-Power</b>
---------------	------------------------

Q-POWR-BRNG	Equipment-Power-Bearings
Q-POWR-DIMS	Equipment-Power-Dimensions
Q-POWR-IDEN	Equipment-Power-Identification
Q-POWR-KEYN	Equipment-Power-Keynotes
Q-POWR-LABL	Equipment-Power-Labels
Q-POWR-MARK	Equipment-Power-Markers
Q-POWR-MATC	Equipment-Power-Match Lines
Q-POWR-NOTE	Equipment-Power-Notes
Q-POWR-NPLT	Equipment-Power-Non Plotting Info
Q-POWR-OTLN	Equipment-Power-Outline
Q-POWR-PATT	Equipment-Power-Hatch Pattern
Q-POWR-PIPE	Equipment-Power-Piping – <b>Generator Silencer Condensate Line</b>
Q-POWR-RDME	Equipment-Power-Readme Layer
Q-POWR-REDL	Equipment-Power-Redlines
Q-POWR-REFR	Equipment-Power-Reference Files
Q-POWR-REVC	Equipment-Power-Revision Clouds
Q-POWR-REVS	Equipment-Power-Revisions
Q-POWR-SYMB	Equipment-Power-Reference Symbols
Q-POWR-TABL	Equipment-Power-Data Tables
Q-POWR-TEXT	Equipment-Power-Text

## 7.6 Fire Protection Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>F-AFFF</b>	<b>Fire Protection-Aqueous Film Forming Foam System</b>
F-AFFF-BRNG	Fire Protection-Aqueous Film Forming Foam System-Bearings
F-AFFF-DIMS	Fire Protection-Aqueous Film Forming Foam SystemDimensions
F-AFFF-EQPM	Fire Protection-Aqueous Film Forming Foam SystemEquipment
F-AFFF-IDEN	Fire Protection-Aqueous Film Forming Foam SystemIdentification
F-AFFF-KEYN	Fire Protection-Aqueous Film Forming Foam System-Keynotes
F-AFFF-LABL	Fire Protection-Aqueous Film Forming Foam System-Labels
F-AFFF-MARK	Fire Protection-Aqueous Film Forming Foam System-Markers
F-AFFF-MATC	Fire Protection-Aqueous Film Forming Foam System-Match Lines
F-AFFF-NOTE	Fire Protection-Aqueous Film Forming Foam System-Notes
F-AFFF-NPLT	Fire Protection-Aqueous Film Forming Foam System-Non Plotting Info
F-AFFF-PATT	Fire Protection-Aqueous Film Forming Foam System-Hatch Pattern
F-AFFF-PIPE	Fire Protection-Aqueous Film Forming Foam System-Piping
F-AFFF-RDME	Fire Protection-Aqueous Film Forming Foam System-Readme Layer
F-AFFF-REDL	Fire Protection-Aqueous Film Forming Foam System-Redlines
F-AFFF-REFR	Fire Protection-Aqueous Film Forming Foam SystemReference Files
F-AFFF-REVC	Fire Protection-Aqueous Film Forming Foam System-Revision Clouds
F-AFFF-REVS	Fire Protection-Aqueous Film Forming Foam System-Revisions
F-AFFF-SYMB	Fire Protection-Aqueous Film Forming Foam SystemReference Symbols
F-AFFF-TABL	Fire Protection-Aqueous Film Forming Foam System-Data Tables
F-AFFF-TEXT	Fire Protection-Aqueous Film Forming Foam System-Text
<b>F-ANNO</b>	<b>Fire Protection-Annotation</b>
F-ANNO-BRNG	Fire Protection-Annotation-Bearings – <b>Travel Distance</b>

F-ANNO-DIMS	Fire Protection-Annotation-Dimensions
F-ANNO-IDEN	Fire Protection-Annotation-Identification – <b>Fire Rating Symbols on Plan</b>
F-ANNO-KEYN	Fire Protection-Annotation-Keynotes
F-ANNO-LABL	Fire Protection-Annotation-Labels
F-ANNO-MARK	Fire Protection-Annotation-Markers
F-ANNO-MATC	Fire Protection-Annotation-Match Lines
F-ANNO-NOTE	Fire Protection-Annotation-Notes
F-ANNO-NPLT	Fire Protection-Annotation-Non Plotting Info
F-ANNO-PATT	Fire Protection-Annotation-Hatch Pattern
F-ANNO-RDME	Fire Protection-Annotation-Readme Layer
F-ANNO-REDL	Fire Protection-Annotation-Redlines
F-ANNO-REFR	Fire Protection-Annotation-Reference Files
F-ANNO-REVC	Fire Protection-Annotation-Revision Clouds
F-ANNO-REVS	Fire Protection-Annotation-Revisions
F-ANNO-SYMB	Fire Protection-Annotation-Reference Symbols
F-ANNO-TABL	Fire Protection-Annotation-Data Tables
F-ANNO-TEXT	Fire Protection-Annotation-Text

<b>F-CO2S</b>	<b>Fire Protection-CO2 System</b>
---------------	-----------------------------------

F-CO2S-BRNG	Fire Protection-CO2 System-Bearings
F-CO2S-DIMS	Fire Protection-CO2 System-Dimensions
F-CO2S-EQPM	Fire Protection-CO2 System-Equipment – <b>Co2 Sensors</b>
F-CO2S-IDEN	Fire Protection-CO2 System-Identification
F-CO2S-KEYN	Fire Protection-CO2 System-Keynotes
F-CO2S-LABL	Fire Protection-CO2 System-Labels
F-CO2S-MARK	Fire Protection-CO2 System-Markers
F-CO2S-MATC	Fire Protection-CO2 System-Match Lines
F-CO2S-NOTE	Fire Protection-CO2 System-Notes
F-CO2S-NPLT	Fire Protection-CO2 System-Non Plotting Info
F-CO2S-PATT	Fire Protection-CO2 System-Hatch Pattern
F-CO2S-PIPE	Fire Protection-CO2 System-Piping
F-CO2S-RDME	Fire Protection-CO2 System-Readme Layer
F-CO2S-REDL	Fire Protection-CO2 System-Redlines
F-CO2S-REFR	Fire Protection-CO2 System-Reference Files
F-CO2S-REVC	Fire Protection-CO2 System-Revision Clouds
F-CO2S-REVS	Fire Protection-CO2 System-Revisions
F-CO2S-SYMB	Fire Protection-CO2 System-Reference Symbols
F-CO2S-TABL	Fire Protection-CO2 System-Data Tables



F-CO2S-TEXT	Fire Protection-CO2 System-Text
<b>F-HALN</b>	<b>Fire Protection-Halon</b>

F-HALN-BRNG	Fire Protection-Halon-Bearings
F-HALN-DIMS	Fire Protection-Halon-Dimensions
F-HALN-EQPM	Fire Protection-Halon-Equipment
F-HALN-IDEN	Fire Protection-Halon-Identification
F-HALN-KEYN	Fire Protection-Halon-Keynotes
F-HALN-LABL	Fire Protection-Halon-Labels
F-HALN-MARK	Fire Protection-Halon-Markers
F-HALN-MATC	Fire Protection-Halon-Match Lines
F-HALN-NOTE	Fire Protection-Halon-Notes
F-HALN-NPLT	Fire Protection-Halon-Non Plotting Info
F-HALN-PATT	Fire Protection-Halon-Hatch Pattern
F-HALN-PIPE	Fire Protection-Halon-Piping
F-HALN-RDME	Fire Protection-Halon-Readme Layer
F-HALN-REDL	Fire Protection-Halon-Redlines
F-HALN-REFR	Fire Protection-Halon-Reference Files
F-HALN-REVC	Fire Protection-Halon-Revision Clouds
F-HALN-REVS	Fire Protection-Halon-Revisions
F-HALN-SYMB	Fire Protection-Halon-Reference Symbols
F-HALN-TABL	Fire Protection-Halon-Data Tables
F-HALN-TEXT	Fire Protection-Halon-Text

<b>F-IGAS</b>	<b>Fire Protection-Inert Gas</b>

F-IGAS-BRNG	Fire Protection-Inert Gas-Bearings
F-IGAS-DIMS	Fire Protection-Inert Gas-Dimensions
F-IGAS-EQPM	Fire Protection-Inert Gas-Equipment
F-IGAS-IDEN	Fire Protection-Inert Gas-Identification
F-IGAS-KEYN	Fire Protection-Inert Gas-Keynotes
F-IGAS-LABL	Fire Protection-Inert Gas-Labels
F-IGAS-MARK	Fire Protection-Inert Gas-Markers
F-IGAS-MATC	Fire Protection-Inert Gas-Match Lines
F-IGAS-NOTE	Fire Protection-Inert Gas-Notes
F-IGAS-NPLT	Fire Protection-Inert Gas-Non Plotting Info
F-IGAS-PATT	Fire Protection-Inert Gas-Hatch Pattern
F-IGAS-PIPE	Fire Protection-Inert Gas-Piping
F-IGAS-RDME	Fire Protection-Inert Gas-Readme Layer

F-IGAS-REDL	Fire Protection-Inert Gas-Redlines
F-IGAS-REFR	Fire Protection-Inert Gas-Reference Files
F-IGAS-REVC	Fire Protection-Inert Gas-Revision Clouds
F-IGAS-REVS	Fire Protection-Inert Gas-Revisions
F-IGAS-SYMB	Fire Protection-Inert Gas-Reference Symbols
F-IGAS-TABL	Fire Protection-Inert Gas-Data Tables
F-IGAS-TEXT	Fire Protection-Inert Gas-Text

<b>F-PROT</b>	<b>Fire Protection-Fire Protection System</b>
---------------	---

F-PROT-ALRM	Fire Protection-Fire Protection System-Alarm – <b>Fire Alarm Horns &amp; Strobe Lights</b>
F-PROT-BRNG	Fire Protection-Fire Protection System-Bearings – <b>Fire Evacuation Signage</b>
F-PROT-DIMS	Fire Protection-Fire Protection System-Dimensions
F-PROT-EQPM	Fire Protection-Fire Protection System-Equipment – <b>Fire Pull Station, Extinguishers, Evac Speakers &amp; Fire Alarm Panels, Fire Dampers</b>
F-PROT-IDEN	Fire Protection-Fire Protection System-Identification – <b>Fire Stopping</b>
F-PROT-KEYN	Fire Protection-Fire Protection System-Keynotes
F-PROT-LABL	Fire Protection-Fire Protection System-Labels
F-PROT-MARK	Fire Protection-Fire Protection System-Markers
F-PROT-MATC	Fire Protection-Fire Protection System-Match Lines
F-PROT-NOTE	Fire Protection-Fire Protection System-Notes
F-PROT-NPLT	Fire Protection-Fire Protection System-Non Plotting Info
F-PROT-PATT	Fire Protection-Fire Protection System-Hatch Pattern
F-PROT-RDME	Fire Protection-Fire Protection System-Readme Layer
F-PROT-REDL	Fire Protection-Fire Protection System-Redlines
F-PROT-REFR	Fire Protection-Fire Protection System-Reference Files
F-PROT-REVC	Fire Protection-Fire Protection System-Revision Clouds
F-PROT-REVS	Fire Protection-Fire Protection System-Revisions
F-PROT-SMOK	Fire Protection-Fire Protection System- <b>Smoke Detector _ Heat Sensors</b>
F-PROT-STAN	Fire Protection-Fire Protection System- <b>Standpipe – FHC Supply Piping</b>
F-PROT-SYMB	Fire Protection-Fire Protection System-Reference Symbols
F-PROT-TABL	Fire Protection-Fire Protection System-Data Tables – <b>Single Line Diag</b>
F-PROT-TEXT	Fire Protection-Fire Protection System-Text

<b>F-SPRN</b>	<b>Fire Protection-Sprinkler</b>
F-SPRN-BRNG	Fire Protection-Sprinkler-Bearings
F-SPRN-CLHD	Fire Protection-Sprinkler-Ceiling Heads
F-SPRN-DIMS	Fire Protection-Sprinkler-Dimensions – <b>Sprinkler Pipe Size</b>
F-SPRN-IDEN	Fire Protection-Sprinkler-Identification – <b>Incl. Schematics</b>
F-SPRN-KEYN	Fire Protection-Sprinkler-Keynotes
F-SPRN-LABL	Fire Protection-Sprinkler-Labels
F-SPRN-MARK	Fire Protection-Sprinkler-Markers – <b>Sprinkler Coverage Area</b>
F-SPRN-MATC	Fire Protection-Sprinkler-Match Lines
F-SPRN-NOTE	Fire Protection-Sprinkler-Notes
F-SPRN-NPLT	Fire Protection-Sprinkler-Non Plotting Info
F-SPRN-OTHD	Fire Protection-Sprinkler-Other Heads
F-SPRN-PATT	Fire Protection-Sprinkler-Hatch Pattern
F-SPRN-PIPE	Fire Protection-Sprinkler-Piping – <b>Wall Mounter Sprinklers</b>
F-SPRN-RDME	Fire Protection-Sprinkler-Readme Layer
F-SPRN-REDL	Fire Protection-Sprinkler-Redlines
F-SPRN-REFR	Fire Protection-Sprinkler-Reference Files
F-SPRN-REVC	Fire Protection-Sprinkler-Revision Clouds
F-SPRN-REVS	Fire Protection-Sprinkler-Revisions
F-SPRN-STAN	Fire Protection-Sprinkler-Standpipe
F-SPRN-SYMB	Fire Protection-Sprinkler-Reference Symbols
F-SPRN-TABL	Fire Protection-Sprinkler-Data Tables
F-SPRN-TEXT	Fire Protection-Sprinkler-Text

## 7.7 General Layers

<b>LAYER</b>	<b>DESCRIPTION</b>
<b>X-XXXX layers are place holders only do not use</b>	
<b>G-ACCS</b>	<b>General-Access Code</b>
G-ACCS-BRNG	General-Access Code-Bearings
G-ACCS-DIMS	General-Access Code-Dimensions
G-ACCS-IDEN	General-Access Code-Identification – Maintenance Clearance
G-ACCS-KEYN	General-Access Code-Keynotes
G-ACCS-LABL	General-Access Code-Labels

G-ACCS-MARK	General-Access Code-Markers
G-ACCS-MATC	General-Access Code-Match Lines
G-ACCS-NOTE	General-Access Code-Notes
G-ACCS-NPLT	General-Access Code-Non Plotting Info
G-ACCS-PATT	General-Access Code-Hatch Pattern
G-ACCS-RDME	General-Access Code-Readme Layer
G-ACCS-REDL	General-Access Code-Redlines
G-ACCS-REFR	General-Access Code-Reference Files
G-ACCS-REVC	General-Access Code-Revision Clouds
G-ACCS-REVS	General-Access Code-Revisions
G-ACCS-SYMB	General-Access Code-Reference Symbols
G-ACCS-TABL	General-Access Code-Data Tables
G-ACCS-TEXT	General-Access Code-Text

<b>G-ANNO</b>	
<b>General-Annotation</b>	

G-ANNO-BRNG	General-Annotation-Bearings
G-ANNO-DIMS	General-Annotation-Dimensions
G-ANNO-IDEN	General-Annotation-Identification – <b>Equipment Maintenance Clearances on Plan</b>
G-ANNO-KEYN	General-Annotation-Keynotes
G-ANNO-LABL	General-Annotation-Labels
G-ANNO-LEGN	General-Annotation-Legends – <b>All Disciplines Legend, Text &amp; Line Work Incl. Abbreviations List</b>
G-ANNO-MARK	General-Annotation-Markers – <b>Centerlines on Plan</b>
G-ANNO-MATC	General-Annotation-Match Lines – <b>Drawing Match Lines</b>
G-ANNO-NOTE	General-Annotation-Notes
G-ANNO-NPLT	General-Annotation-Non Plotting Info
G-ANNO-PATT	General-Annotation-Hatch Pattern
G-ANNO-RDME	General-Annotation-Readme Layer
G-ANNO-REDL	General-Annotation-Redlines
G-ANNO-REFR	General-Annotation-Reference Files – <b>Reference Bubbles on Plan</b>
G-ANNO-REVC	General-Annotation-Revision Clouds – <b>Clouds in Model Space</b>
G-ANNO-REVS	General-Annotation-Revisions – <b>Revision Triangle Symbols</b>
G-ANNO-SCHD	General-Annotation-Schedules – <b>All Discipline’s Schedule, Text &amp; Line Work incl Elect Circuit Panel 1 line</b>
G-ANNO-SYMB	General-Annotation-Reference Symbols – <b>Inc. Bar Scales</b>
G-ANNO-TABL	General-Annotation-Data Tables – <b>OBC Building Matrix</b>
G-ANNO-TEXT	General-Annotation-Text – <b>All General Text &amp; Drawing List</b>

<b>G-CODE</b>	<b>General-Code</b>

G-CODE-BRNG	General-Code-Bearings
G-CODE-DIMS	General-Code-Dimensions
G-CODE-IDEN	General-Code-Identification
G-CODE-KEYN	General-Code-Keynotes
G-CODE-LABL	General-Code-Labels
G-CODE-MARK	General-Code-Markers
G-CODE-MATC	General-Code-Match Lines
G-CODE-NOTE	General-Code-Notes
G-CODE-NPLT	General-Code-Non Plotting Info
G-CODE-PATT	General-Code-Hatch Pattern
G-CODE-RDME	General-Code-Readme Layer
G-CODE-REDL	General-Code-Redlines
G-CODE-REFR	General-Code-Reference Files
G-CODE-REVC	General-Code-Revision Clouds
G-CODE-REVS	General-Code-Revisions
G-CODE-SYMB	General-Code-Reference Symbols
G-CODE-TABL	General-Code-Data Tables
G-CODE-TEXT	General-Code-Text

<b>G-EVAC</b>	<b>General-Evacuation</b>

G-EVAC-BRNG	General-Evacuation-Bearings – <b>Fire Evacuation Directions on Plan</b>
G-EVAC-DIMS	General-Evacuation-Dimensions
G-EVAC-IDEN	General-Evacuation-Identification
G-EVAC-KEYN	General-Evacuation-Keynotes
G-EVAC-LABL	General-Evacuation-Labels
G-EVAC-MARK	General-Evacuation-Markers
G-EVAC-MATC	General-Evacuation-Match Lines
G-EVAC-NOTE	General-Evacuation-Notes
G-EVAC-NPLT	General-Evacuation-Non Plotting Info
G-EVAC-PATT	General-Evacuation-Hatch Pattern
G-EVAC-RDME	General-Evacuation-Readme Layer
G-EVAC-REDL	General-Evacuation-Redlines
G-EVAC-REFR	General-Evacuation-Reference Files
G-EVAC-REVC	General-Evacuation-Revision Clouds
G-EVAC-REVS	General-Evacuation-Revisions

G-EVAC-SYMB	General-Evacuation-Reference Symbols
G-EVAC-TABL	General-Evacuation-Data Tables
G-EVAC-TEXT	General-Evacuation-Text

<b>G-FIRE</b>	<b>General-Fire</b>

G-FIRE-BRNG	General-Fire-Bearings
G-FIRE-DIMS	General-Fire-Dimensions
G-FIRE-IDEN	General-Fire-Identification
G-FIRE-KEYN	General-Fire-Keynotes
G-FIRE-LABL	General-Fire-Labels
G-FIRE-MARK	General-Fire-Markers
G-FIRE-MATC	General-Fire-Match Lines
G-FIRE-NOTE	General-Fire-Notes
G-FIRE-NPLT	General-Fire-Non Plotting Info
G-FIRE-PATT	General-Fire-Hatch Pattern
G-FIRE-RDME	General-Fire-Readme Layer
G-FIRE-REDL	General-Fire-Redlines
G-FIRE-REFR	General-Fire-Reference Files
G-FIRE-REVC	General-Fire-Revision Clouds
G-FIRE-REVS	General-Fire-Revisions
G-FIRE-SYMB	General-Fire-Reference Symbols
G-FIRE-TABL	General-Fire-Data Tables
G-FIRE-TEXT	General-Fire-Text

<b>G-PLAN</b>	<b>General-Plan</b>

G-PLAN-BRNG	General-Plan-Bearings
G-PLAN-DIMS	General-Plan-Dimensions
G-PLAN-IDEN	General-Plan-Identification
G-PLAN-KEYN	General-Plan-Keynotes
G-PLAN-LABL	General-Plan-Labels
G-PLAN-MARK	General-Plan-Markers – <b>Phasing Demarcation Polyline</b>
G-PLAN-MATC	General-Plan-Match Lines
G-PLAN-NOTE	General-Plan-Notes
G-PLAN-NPLT	General-Plan-Non Plotting Info
G-PLAN-PATT	General-Plan-Hatch Pattern
G-PLAN-RDME	General-Plan-Readme Layer
G-PLAN-REDL	General-Plan-Redlines
G-PLAN-REFR	General-Plan-Reference Files

G-PLAN-REVC	General-Plan-Revision Clouds
G-PLAN-REVS	General-Plan-Revisions
G-PLAN-SYMB	General-Plan-Reference Symbols
G-PLAN-TABL	General-Plan-Data Tables
G-PLAN-TEXT	General-Plan-Text
<b>G-SITE</b>	<b>General-Site</b>

G-SITE-BRNG	General-Site-Bearings
G-SITE-DIMS	General-Site-Dimensions
G-SITE-IDEN	General-Site-Identification
G-SITE-KEYN	General-Site-Keynotes
G-SITE-LABL	General-Site-Labels
G-SITE-MARK	General-Site-Markers
G-SITE-MATC	General-Site-Match Lines
G-SITE-NOTE	General-Site-Notes
G-SITE-NPLT	General-Site-Non Plotting Info
G-SITE-PATT	General-Site-Hatch Pattern
G-SITE-RDME	General-Site-Readme Layer
G-SITE-REDL	General-Site-Redlines
G-SITE-REFR	General-Site-Reference Files
G-SITE-REVC	General-Site-Revision Clouds
G-SITE-REVS	General-Site-Revisions
G-SITE-SYMB	General-Site-Reference Symbols
G-SITE-TABL	General-Site-Data Tables
G-SITE-TEXT	General-Site-Text
<b>G-TTLB</b>	<b>General-Title Block</b>

G-TTLB-BRNG	General-Title Block-Bearings
G-TTLB-DIMS	General-Title Block-Dimensions
G-TTLB-IDEN	General-Title Block-Identification
G-TTLB-KEYN	General-Title Block-Keynotes
G-TTLB-LABL	General-Title Block-Labels
G-TTLB-LOGO	General-Title Block-Logo – <b>Company Logo including Professional Stamps</b>
G-TTLB-MARK	General-Title Block-Markers
G-TTLB-MATC	General-Title Block-Match Lines
G-TTLB-NOTE	General-Title Block-Notes

G-TTLB-NPLT	General-Title Block-Non Plotting Info – <b>Viewports and Whipeouts – Whipeouts can also go on Layer 0.</b>
G-TTLB-OTLN	General-Title Block-Outline – <b>Title Block Line Work</b>
G-TTLB-PATT	General-Title Block-Hatch Pattern
G-TTLB-RDME	General-Title Block-Readme Layer
G-TTLB-REDL	General-Title Block-Redlines
G-TTLB-REFR	General-Title Block-Reference Files
G-TTLB-REVC	General-Title Block-Revision Clouds
G-TTLB-REVS	General-Title Block-Revisions
G-TTLB-SYMB	General-Title Block-Reference Symbols – <b>Key Plan</b>
G-TTLB-TABL	General-Title Block-Data Tables
G-TTLB-TEXT	General-Title Block-Text – <b>Title Block Text</b>
G-TTLB-TITL	General-Title Block-Draw or Detail Titles – <b>Viewport Titles</b>
G-TTLB-TTLB	General-Title Block-Border or Title Block

## 7.8 Geotechnical Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>B-ANNO</b>	<b>Geotechnical-Annotation</b>
B-ANNO-BRNG	Geotechnical-Annotation-Bearings
B-ANNO-DIMS	Geotechnical-Annotation-Dimensions
B-ANNO-IDEN	Geotechnical-Annotation-Identification
B-ANNO-KEYN	Geotechnical-Annotation-Keynotes
B-ANNO-LABL	Geotechnical-Annotation-Labels
B-ANNO-MARK	Geotechnical-Annotation-Markers
B-ANNO-MATC	Geotechnical-Annotation-Match Lines
B-ANNO-NOTE	Geotechnical-Annotation-Notes
B-ANNO-NPLT	Geotechnical-Annotation-Non Plotting Info
B-ANNO-PATT	Geotechnical-Annotation-Hatch Pattern
B-ANNO-RDME	Geotechnical-Annotation-Readme Layer
B-ANNO-REDL	Geotechnical-Annotation-Redlines
B-ANNO-REFR	Geotechnical-Annotation-Reference Files
B-ANNO-REVC	Geotechnical-Annotation-Revision Clouds
B-ANNO-REVS	Geotechnical-Annotation-Revisions
B-ANNO-SYMB	Geotechnical-Annotation-Reference Symbols



B-ANNO-TABL	Geotechnical-Annotation-Data Tables
B-ANNO-TEXT	Geotechnical-Annotation-Text
<b>B-BORE</b>	<b>Geotechnical-Borings</b>
B-BORE-BRNG	Geotechnical-Borings-Bearings
B-BORE-DIMS	Geotechnical-Borings-Dimensions
B-BORE-IDEN	Geotechnical-Borings-Identification
B-BORE-KEYN	Geotechnical-Borings-Keynotes
B-BORE-LABL	Geotechnical-Borings-Labels
B-BORE-MARK	Geotechnical-Borings-Markers
B-BORE-MATC	Geotechnical-Borings-Match Lines
B-BORE-NOTE	Geotechnical-Borings-Notes
B-BORE-NPLT	Geotechnical-Borings-Non Plotting Info
B-BORE-PATT	Geotechnical-Borings-Hatch Pattern
B-BORE-RDME	Geotechnical-Borings-Readme Layer
B-BORE-REDL	Geotechnical-Borings-Redlines
B-BORE-REFR	Geotechnical-Borings-Reference Files
B-BORE-REVC	Geotechnical-Borings-Revision Clouds
B-BORE-REVS	Geotechnical-Borings-Revisions
B-BORE-SYMB	Geotechnical-Borings-Reference Symbols
B-BORE-TABL	Geotechnical-Borings-Data Tables
B-BORE-TEXT	Geotechnical-Borings-Text
<b>B-DETL</b>	<b>Geotechnical-Detail Drawing View</b>
B-DETL-BRNG	Geotechnical-Detail Drawing View-Bearings
B-DETL-DIMS	Geotechnical-Detail Drawing View-Dimensions
B-DETL-IDEN	Geotechnical-Detail Drawing View-Identification
B-DETL-KEYN	Geotechnical-Detail Drawing View-Keynotes
B-DETL-LABL	Geotechnical-Detail Drawing View-Labels
B-DETL-MARK	Geotechnical-Detail Drawing View-Markers
B-DETL-MATC	Geotechnical-Detail Drawing View-Match Lines
B-DETL-NOTE	Geotechnical-Detail Drawing View-Notes
B-DETL-NPLT	Geotechnical-Detail Drawing View-Non Plotting Info
B-DETL-PATT	Geotechnical-Detail Drawing View-Hatch Pattern
B-DETL-RDME	Geotechnical-Detail Drawing View-Readme Layer
B-DETL-REDL	Geotechnical-Detail Drawing View-Redlines
B-DETL-REFR	Geotechnical-Detail Drawing View-Reference Files

B-DETL-REVC	Geotechnical-Detail Drawing View-Revision Clouds
B-DETL-REVS	Geotechnical-Detail Drawing View-Revisions
B-DETL-SYMB	Geotechnical-Detail Drawing View-Reference Symbols
B-DETL-TABL	Geotechnical-Detail Drawing View-Data Tables
B-DETL-TEXT	Geotechnical-Detail Drawing View-Text

## 7.9 Hazardous Materials Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>H-ANNO</b>	<b>Hazardous Materials-Annotation</b>
H-ANNO-BRNG	Hazardous Materials-Annotation-Bearings
H-ANNO-DIMS	Hazardous Materials-Annotation-Dimensions
H-ANNO-IDEN	Hazardous Materials-Annotation-Identification
H-ANNO-KEYN	Hazardous Materials-Annotation-Keynotes
H-ANNO-LABL	Hazardous Materials-Annotation-Labels
H-ANNO-MARK	Hazardous Materials-Annotation-Markers
H-ANNO-MATC	Hazardous Materials-Annotation-Match Lines
H-ANNO-NOTE	Hazardous Materials-Annotation-Notes
H-ANNO-NPLT	Hazardous Materials-Annotation-Non Plotting Info
H-ANNO-PATT	Hazardous Materials-Annotation-Hatch Pattern
H-ANNO-RDME	Hazardous Materials-Annotation-Readme Layer
H-ANNO-REDL	Hazardous Materials-Annotation-Redlines
H-ANNO-REFR	Hazardous Materials-Annotation-Reference Files
H-ANNO-REVC	Hazardous Materials-Annotation-Revision Clouds
H-ANNO-REVS	Hazardous Materials-Annotation-Revisions
H-ANNO-SYMB	Hazardous Materials-Annotation-Reference Symbols
H-ANNO-TABL	Hazardous Materials-Annotation-Data Tables
H-ANNO-TEXT	Hazardous Materials-Annotation-Text
<b>H-PLAN</b>	<b>Hazardous Materials-Plan</b>
H-PLAN-BRNG	Hazardous Materials-Plan-Bearings
H-PLAN-DIMS	Hazardous Materials-Plan-Dimensions
H-PLAN-IDEN	Hazardous Materials-Plan-Identification
H-PLAN-KEYN	Hazardous Materials-Plan-Keynotes
H-PLAN-LABL	Hazardous Materials-Plan-Labels

H-PLAN-MARK	Hazardous Materials-Plan-Markers
H-PLAN-MATC	Hazardous Materials-Plan-Match Lines
H-PLAN-NOTE	Hazardous Materials-Plan-Notes
H-PLAN-NPLT	Hazardous Materials-Plan-Non Plotting Info
H-PLAN-PATT	Hazardous Materials-Plan-Hatch Pattern
H-PLAN-RDME	Hazardous Materials-Plan-Readme Layer
H-PLAN-REDL	Hazardous Materials-Plan-Redlines
H-PLAN-REFR	Hazardous Materials-Plan-Reference Files
H-PLAN-REVC	Hazardous Materials-Plan-Revision Clouds
H-PLAN-REVS	Hazardous Materials-Plan-Revisions
H-PLAN-SYMB	Hazardous Materials-Plan-Reference Symbols
H-PLAN-TABL	Hazardous Materials-Plan-Data Tables
H-PLAN-TEXT	Hazardous Materials-Plan-Text
<b>H-SITE</b>	<b>Hazardous Materials-Site</b>

H-SITE-BRNG	Hazardous Materials-Site-Bearings
H-SITE-DIMS	Hazardous Materials-Site-Dimensions
H-SITE-IDEN	Hazardous Materials-Site-Identification
H-SITE-KEYN	Hazardous Materials-Site-Keynotes
H-SITE-LABL	Hazardous Materials-Site-Labels
H-SITE-MARK	Hazardous Materials-Site-Markers
H-SITE-MATC	Hazardous Materials-Site-Match Lines
H-SITE-NOTE	Hazardous Materials-Site-Notes
H-SITE-NPLT	Hazardous Materials-Site-Non Plotting Info
H-SITE-PATT	Hazardous Materials-Site-Hatch Pattern
H-SITE-RDME	Hazardous Materials-Site-Readme Layer
H-SITE-REDL	Hazardous Materials-Site-Redlines
H-SITE-REFR	Hazardous Materials-Site-Reference Files
H-SITE-REVC	Hazardous Materials-Site-Revision Clouds
H-SITE-REVS	Hazardous Materials-Site-Revisions
H-SITE-SYMB	Hazardous Materials-Site-Reference Symbols
H-SITE-TABL	Hazardous Materials-Site-Data Tables
H-SITE-TEXT	Hazardous Materials-Site-Text

### 7.10 Interiors Layers

LAYER	DESCRIPTION
-------	-------------

**X-XXXX layers are place holders only do not use**

**I-ANNO Interiors-Annotation**

I-ANNO-BRNG	Interiors-Annotation-Bearings
I-ANNO-CASE	Interiors-Annotation-Casings
I-ANNO-DIMS	Interiors-Annotation-Dimensions
I-ANNO-FIXT	Interiors-Annotation-Fixtures
I-ANNO-FNSH	Interiors-Annotation-Finishes
I-ANNO-GRID	Interiors-Annotation-Grid
I-ANNO-IDEN	Interiors-Annotation-Identification
I-ANNO-KEYN	Interiors-Annotation-Keynotes
I-ANNO-LABL	Interiors-Annotation-Labels
I-ANNO-MARK	Interiors-Annotation-Markers
I-ANNO-MATC	Interiors-Annotation-Match Lines
I-ANNO-NOTE	Interiors-Annotation-Notes
I-ANNO-NPLT	Interiors-Annotation-Non Plotting Info
I-ANNO-PATT	Interiors-Annotation-Hatch Pattern
I-ANNO-RDME	Interiors-Annotation-Readme Layer
I-ANNO-REDL	Interiors-Annotation-Redlines
I-ANNO-REFR	Interiors-Annotation-Reference Files
I-ANNO-REVC	Interiors-Annotation-Revision Clouds
I-ANNO-REVS	Interiors-Annotation-Revisions
I-ANNO-SIGN	Interiors-Annotation-Signage
I-ANNO-SYMB	Interiors-Annotation-Reference Symbols
I-ANNO-TABL	Interiors-Annotation-Data Tables
I-ANNO-TEXT	Interiors-Annotation-Text

**I-AREA Interiors-Area**

I-AREA-BRNG	Interiors-Area-Bearings – <b>Stanchions Ropes and Posts</b>
I-AREA-CASE	Interiors-Area-Casings
I-AREA-DIMS	Interiors-Area-Dimensions
I-AREA-FIXT	Interiors-Area-Fixtures
I-AREA-FNSH	Interiors-Area-Finishes – <b>Area Floor Carpets</b>
I-AREA-GRID	Interiors-Area-Grid
I-AREA-IDEN	Interiors-Area-Identification
I-AREA-KEYN	Interiors-Area-Keynotes
I-AREA-LABL	Interiors-Area-Labels
I-AREA-MARK	Interiors-Area-Markers – <b>Barrier Free Turning Radius</b>

I-AREA-MATC	Interiors-Area-Match Lines
I-AREA-NOTE	Interiors-Area-Notes
I-AREA-NPLT	Interiors-Area-Non Plotting Info
I-AREA-OCCP	Interiors-Area-Occupant or Employee Names – <b>Employee Names &amp; Occupant Load Numbers</b>
I-AREA-PATT	Interiors-Area-Hatch Pattern
I-AREA-RDME	Interiors-Area-Readme Layer
I-AREA-REDL	Interiors-Area-Redlines
I-AREA-REFR	Interiors-Area-Reference Files
I-AREA-REVC	Interiors-Area-Revision Clouds
I-AREA-REVS	Interiors-Area-Revisions
I-AREA-SIGN	Interiors-Area-Signage
I-AREA-SYMB	Interiors-Area-Reference Symbols
I-AREA-TABL	Interiors-Area-Data Tables
I-AREA-TEXT	Interiors-Area-Text
I-AREA-TTLB	Interiors-Area-Border or Title Block
<b>I-EQPM</b>	<b>Interiors-Equipment</b>

I-EQPM-ACCS	Interiors-Equipment-Access
I-EQPM-BRNG	Interiors-Equipment-Bearings
I-EQPM-CASE	Interiors-Equipment-Casings – <b>Pipe Sleeves Through Walls – Equipment Rack</b>
I-EQPM-DIMS	Interiors-Equipment-Dimensions
I-EQPM-FIXD	Interiors-Equipment-Fixed Equipment – <b>Wall Mounted TVs on Plan</b>
I-EQPM-FIXT	Interiors-Equipment-Fixtures – <b>Whiteboards, Chalkboards, Projection Screens, Deal Trays</b>
I-EQPM-FNSH	Interiors-Equipment-Finishes
I-EQPM-GRID	Interiors-Equipment-Grid
I-EQPM-IDEN	Interiors-Equipment-Identification – <b>Equipment Block Text</b>
I-EQPM-KEYN	Interiors-Equipment-Keynotes
I-EQPM-LABL	Interiors-Equipment-Labels
I-EQPM-MARK	Interiors-Equipment-Markers
I-EQPM-MATC	Interiors-Equipment-Match Lines
I-EQPM-MOVE	Interiors-Equipment-Moveable Equipment – <b>Computers, Keyboards, Microwaves, Fridges, Stoves, Water Coolers, Garbage Bins</b>
I-EQPM-NICN	Interiors-Equipment-Not in Contract
I-EQPM-NOTE	Interiors-Equipment-Notes

I-EQPM-NPLT	Interiors-Equipment-Non Plotting Info
I-EQPM-OVHD	Interiors-Equipment-Overhead – <b>Ceiling Mounted Projectors</b>
I-EQPM-PATT	Interiors-Equipment-Hatch Pattern
I-EQPM-RDME	Interiors-Equipment-Readme Layer
I-EQPM-REDL	Interiors-Equipment-Redlines
I-EQPM-REFR	Interiors-Equipment-Reference Files – <b>Equipment Centre Lines on Plan</b>
I-EQPM-REVC	Interiors-Equipment-Revision Clouds
I-EQPM-REVS	Interiors-Equipment-Revisions
I-EQPM-SIGN	Interiors-Equipment-Signage
I-EQPM-STOR	Interiors-Equipment-Storage
I-EQPM-SYMB	Interiors-Equipment-Reference Symbols
I-EQPM-TABL	Interiors-Equipment-Data Tables
I-EQPM-TEXT	Interiors-Equipment-Text
<b>I-FLOR</b>	<b>Interiors-Floors</b>

I-FLOR-DIMS	Interiors-Floors-Dimensions
I-FLOR-IDEN	Interiors-Floors-Identification – <b>Workstation #'s</b>
I-FLOR-KEYN	Interiors-Floors-Keynotes
I-FLOR-LABL	Interiors-Floors-Labels
I-FLOR-MARK	Interiors-Floors-Markers
I-FLOR-MATC	Interiors-Floors-Match Lines
I-FLOR-NOTE	Interiors-Floors-Notes
I-FLOR-NPLT	Interiors-Floors-Non Plotting Info
I-FLOR-RDME	Interiors-Floors-Readme Layer
I-FLOR-REDL	Interiors-Floors-Redlines
I-FLOR-REFR	Interiors-Floors-Reference Files
I-FLOR-REVC	Interiors-Floors-Revision Clouds
I-FLOR-REVS	Interiors-Floors-Revisions
I-FLOR-SIGN	Interiors-Floors-Signs
I-FLOR-SYMB	Interiors-Floors-Reference Symbols
I-FLOR-TABL	Interiors-Floors-Data Tables
I-FLOR-TEXT	Interiors-Floors-Text
<b>I-FURN</b>	<b>Interiors-Furnishings</b>

I-FURN-BRNG	Interiors-Furnishings-Bearings
I-FURN-CASE	Interiors-Furnishings-Casings – <b>Grommets on Plan</b>
I-FURN-DIMS	Interiors-Furnishings-Dimensions

I-FURN-FILE	Interiors-Furnishings-File Cabinets
I-FURN-FIXT	Interiors-Furnishings-Fixtures
I-FURN-FNSH	Interiors-Furnishings-Finishes – <b>Millwork Finishes on Plan</b>
I-FURN-FREE	Interiors-Furnishings-Freestanding – <b>Freestanding Tables, Desks &amp; Beds</b>
I-FURN-GRID	Interiors-Furnishings-Grid
I-FURN-IDEN	Interiors-Furnishings-Identification – <b>Furniture Block Text</b>
I-FURN-KEYN	Interiors-Furnishings-Keynotes
I-FURN-LABL	Interiors-Furnishings-Labels
I-FURN-MARK	Interiors-Furnishings-Markers
I-FURN-MATC	Interiors-Furnishings-Match Lines
I-FURN-NOTE	Interiors-Furnishings-Notes
I-FURN-NPLT	Interiors-Furnishings-Non Plotting Info
I-FURN-PATT	Interiors-Furnishings-Hatch Pattern – <b>Millwork Hatch Patterns</b>
I-FURN-PLNT	Interiors-Furnishings- <b>Plants</b>
I-FURN-PNLS	Interiors-Furnishings-System Panels – <b>System Furniture Screens</b>
I-FURN-RDME	Interiors-Furnishings-Readme Layer
I-FURN-REDL	Interiors-Furnishings-Redlines
I-FURN-REFR	Interiors-Furnishings-Reference Files - <b>Workstation Type Bubbles on Plan</b>
I-FURN-REVC	Interiors-Furnishings-Revision Clouds
I-FURN-REVS	Interiors-Furnishings-Revisions
I-FURN-SEAT	Interiors-Furnishings- <b>Seating</b>
I-FURN-SIGN	Interiors-Furnishings-Signage
I-FURN-STOR	Interiors-Furnishings-System Storage – <b>Mobile Shelving, Pedestals, Overhead Storage, Storage Cabinets, Coat Trees, Bookcases, Credenzas</b>
I-FURN-SYMB	Interiors-Furnishings-Reference Symbols
I-FURN-TABL	Interiors-Furnishings-Data Tables
I-FURN-TEXT	Interiors-Furnishings-Text
I-FURN-WKSF	Interiors-Furnishings-System Work Surface Components – <b>Panel Hung Worksurfaces, System Furniture Transaction Tops</b>
<b>I-LITE</b>	<b>Interiors-Light Fixtures (Furniture mounted fixtures only)</b>
I-LITE-BRNG	Interiors-Light Fixtures-Bearings
I-LITE-CASE	Interiors-Light Fixtures-Casings
I-LITE-DIMS	Interiors-Light Fixtures-Dimensions
I-LITE-FIXT	Interiors-Light Fixtures-Fixtures – <b>Workstation Lights Under O/H Bins</b>

I-LITE-FNSH	Interiors-Light Fixtures-Finishes
I-LITE-GRID	Interiors-Light Fixtures-Grid
I-LITE-IDEN	Interiors-Light Fixtures-Identification
I-LITE-KEYN	Interiors-Light Fixtures-Keynotes
I-LITE-LABL	Interiors-Light Fixtures-Labels
I-LITE-MARK	Interiors-Light Fixtures-Markers
I-LITE-MATC	Interiors-Light Fixtures-Match Lines
I-LITE-NOTE	Interiors-Light Fixtures-Notes
I-LITE-NPLT	Interiors-Light Fixtures-Non Plotting Info
I-LITE-PATT	Interiors-Light Fixtures-Hatch Pattern
I-LITE-RDME	Interiors-Light Fixtures-Readme Layer
I-LITE-REDL	Interiors-Light Fixtures-Redlines
I-LITE-REFR	Interiors-Light Fixtures-Reference Files
I-LITE-REVC	Interiors-Light Fixtures-Revision Clouds
I-LITE-REVS	Interiors-Light Fixtures-Revisions
I-LITE-SIGN	Interiors-Light Fixtures-Signage
I-LITE-SYMB	Interiors-Light Fixtures-Reference Symbols
I-LITE-TABL	Interiors-Light Fixtures-Data Tables
I-LITE-TEXT	Interiors-Light Fixtures-Text

### 7.11 Landscape Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>L-ANNO</b>	<b>Landscape-Annotation</b>
L-ANNO-BRNG	Landscape-Annotation-Bearings
L-ANNO-DIMS	Landscape-Annotation-Dimensions
L-ANNO-IDEN	Landscape-Annotation-Identification
L-ANNO-KEYN	Landscape-Annotation-Keynotes
L-ANNO-LABL	Landscape-Annotation-Labels
L-ANNO-MARK	Landscape-Annotation-Markers
L-ANNO-MATC	Landscape-Annotation-Match Lines
L-ANNO-NOTE	Landscape-Annotation-Notes
L-ANNO-NPLT	Landscape-Annotation-Non Plotting Info
L-ANNO-PATT	Landscape-Annotation-Hatch Pattern
L-ANNO-RDME	Landscape-Annotation-Readme Layer
L-ANNO-REDL	Landscape-Annotation-Redlines
L-ANNO-REFR	Landscape-Annotation-Reference Files



L-ANNO-REVC	Landscape-Annotation-Revision Clouds
L-ANNO-REVS	Landscape-Annotation-Revisions
L-ANNO-SYMB	Landscape-Annotation-Reference Symbols
L-ANNO-TABL	Landscape-Annotation-Data Tables
L-ANNO-TEXT	Landscape-Annotation-Text
<b>L-IRRG</b>	<b>Landscape-Irrigation</b>

L-IRRG-BRNG	Landscape-Irrigation-Bearings
L-IRRG-COVR	Landscape-Irrigation-Coverage - <b>Stone Ground Cover</b>
L-IRRG-DIMS	Landscape-Irrigation-Dimensions
L-IRRG-EQPM	Landscape-Irrigation-Equipment
L-IRRG-IDEN	Landscape-Irrigation-Identification
L-IRRG-KEYN	Landscape-Irrigation-Keynotes
L-IRRG-LABL	Landscape-Irrigation-Labels
L-IRRG-MARK	Landscape-Irrigation-Markers
L-IRRG-MATC	Landscape-Irrigation-Match Lines
L-IRRG-NOTE	Landscape-Irrigation-Notes
L-IRRG-NPLT	Landscape-Irrigation-Non Plotting Info
L-IRRG-PATT	Landscape-Irrigation-Hatch Pattern
L-IRRG-PIPE	Landscape-Irrigation-Piping
L-IRRG-RDME	Landscape-Irrigation-Readme Layer
L-IRRG-REDL	Landscape-Irrigation-Redlines
L-IRRG-REFR	Landscape-Irrigation-Reference Files
L-IRRG-REVC	Landscape-Irrigation-Revision Clouds
L-IRRG-REVS	Landscape-Irrigation-Revisions
L-IRRG-SPKL	Landscape-Irrigation-Sprinkler – <b>Sprinklers on Civil Plan</b>
L-IRRG-SYMB	Landscape-Irrigation-Reference Symbols
L-IRRG-TABL	Landscape-Irrigation-Data Tables
L-IRRG-TEXT	Landscape-Irrigation-Text

<b>L-PLNT</b>	<b>Landscape-Plant and Landscape</b>

L-PLNT-BEDS	Landscape-Plant and Landscape- <b>Planting Beds</b>
L-PLNT-BRNG	Landscape-Plant and Landscape-Bearings
L-PLNT-BUSH	Landscape-Plant and Landscape- <b>Bushes and Shrubs</b>
L-PLNT-CTNR	Landscape-Plant and <b>Landscape-Container or Planter</b>
L-PLNT-DIMS	Landscape-Plant and Landscape-Dimensions
L-PLNT-GRND	Landscape-Plant and Landscape- <b>Ground Covers</b> and Vines – River Stone

L-PLNT-IDEN	Landscape-Plant and Landscape-Identification
L-PLNT-KEYN	Landscape-Plant and Landscape-Keynotes
L-PLNT-LABL	Landscape-Plant and Landscape-Labels
L-PLNT-MARK	Landscape-Plant and Landscape-Markers
L-PLNT-MATC	Landscape-Plant and Landscape-Match Lines
L-PLNT-NOTE	Landscape-Plant and Landscape-Notes
L-PLNT-NPLT	Landscape-Plant and Landscape-Non Plotting Info
L-PLNT-PATT	Landscape-Plant and Landscape-Hatch Pattern
L-PLNT-PLTS	Landscape-Plant and Landscape-Planting Plants
L-PLNT-RDME	Landscape-Plant and Landscape-Readme Layer
L-PLNT-REDL	Landscape-Plant and Landscape-Redlines
L-PLNT-REFR	Landscape-Plant and Landscape-Reference Files
L-PLNT-REMN	Landscape-Plant and Landscape-Material to Remain
L-PLNT-REMV	Landscape-Plant and Landscape-Material to be Removed
L-PLNT-REVC	Landscape-Plant and Landscape-Revision Clouds
L-PLNT-REVS	Landscape-Plant and Landscape-Revisions
L-PLNT-SHAD	Landscape-Plant and Landscape-Shadow Area
L-PLNT-SYMB	Landscape-Plant and Landscape-Reference Symbols
L-PLNT-TABL	Landscape-Plant and Landscape-Data Tables
L-PLNT-TEXT	Landscape-Plant and Landscape-Text
L-PLNT-TREE	Landscape-Plant and Landscape- <b>Trees</b>
L-PLNT-TURF	Landscape-Plant and Landscape- <b>Lawn Area</b>

<b>L-SITE</b>	<b>Landscape-Site Improvements</b>
---------------	------------------------------------

L-SITE-BRDG	Landscape-Site Improvements-Bridges
L-SITE-BRNG	Landscape-Site Improvements-Bearings
L-SITE-DECK	Landscape-Site Improvements-Decks
L-SITE-DIMS	Landscape-Site Improvements-Dimensions
L-SITE-FENC	Landscape-Site Improvements-Fences
L-SITE-FURN	Landscape-Site Improvements-Furnishings – <b>Flag Poles, Bike Racks, Benches, Garbage Bins</b>
L-SITE-IDEN	Landscape-Site Improvements-Identification
L-SITE-KEYN	Landscape-Site Improvements-Keynotes
L-SITE-LABL	Landscape-Site Improvements-Labels
L-SITE-MARK	Landscape-Site Improvements-Markers
L-SITE-MATC	Landscape-Site Improvements-Match Lines
L-SITE-NOTE	Landscape-Site Improvements-Notes
L-SITE-NPLT	Landscape-Site Improvements-Non Plotting Info
L-SITE-PATT	Landscape-Site Improvements-Hatch Pattern

L-SITE-PLAY	Landscape-Site Improvements-Play Structures
L-SITE-POOL	Landscape-Site Improvements-Pools and Spas
L-SITE-RDME	Landscape-Site Improvements-Readme Layer
L-SITE-REDL	Landscape-Site Improvements-Redlines
L-SITE-REFR	Landscape-Site Improvements-Reference Files
L-SITE-REVC	Landscape-Site Improvements-Revision Clouds
L-SITE-REVS	Landscape-Site Improvements-Revisions
L-SITE-RTWL	Landscape-Site Improvements-Retaining Walls
L-SITE-SPRT	Landscape-Site Improvements-Sport Fields – <b>Basketball, Tennis Courts, Track, Football Fields</b>
L-SITE-STEP	Landscape-Site Improvements-Steps
L-SITE-SYMB	Landscape-Site Improvements-Reference Symbols
L-SITE-TABL	Landscape-Site Improvements-Data Tables
L-SITE-TEXT	Landscape-Site Improvements-Text
L-SITE-WALK	Landscape-Site Improvements- <b>Walkways, Steps &amp; Ramps</b>

## 7.12 Mechanical Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>M-ANNO</b>	<b>Mechanical-Annotation</b>
M-ANNO-BRNG	Mechanical-Annotation-Bearings
M-ANNO-DIMS	Mechanical-Annotation-Dimensions
M-ANNO-IDEN	Mechanical-Annotation-Identification
M-ANNO-KEYN	Mechanical-Annotation-Keynotes
M-ANNO-LABL	Mechanical-Annotation-Labels
M-ANNO-MARK	Mechanical-Annotation-Markers
M-ANNO-MATC	Mechanical-Annotation-Match Lines
M-ANNO-NOTE	Mechanical-Annotation-Notes
M-ANNO-NPLT	Mechanical-Annotation-Non Plotting Info
M-ANNO-PATT	Mechanical-Annotation-Hatch Pattern

M-ANNO-RDME	Mechanical-Annotation-Readme Layer
M-ANNO-REDL	Mechanical-Annotation-Redlines
M-ANNO-REFR	Mechanical-Annotation-Reference Files – <b>Mechanical Centrelines on Plan – Historical HVAC on Plans</b>
M-ANNO-REVC	Mechanical-Annotation-Revision Clouds
M-ANNO-REVS	Mechanical-Annotation-Revisions
M-ANNO-SYMB	Mechanical-Annotation-Reference Symbols
M-ANNO-TABL	Mechanical-Annotation-Data Tables
M-ANNO-TEXT	Mechanical-Annotation-Text – <b>Duct Sizes or HVAC Text</b>

<b>M-BRIN</b>	<b>Mechanical-Brine Systems</b>
---------------	---------------------------------

M-BRIN-BRNG	Mechanical-Brine Systems-Bearings
M-BRIN-DIMS	Mechanical-Brine Systems-Dimensions
M-BRIN-EQPM	Mechanical-Brine Systems-Equipment
M-BRIN-IDEN	Mechanical-Brine Systems-Identification
M-BRIN-KEYN	Mechanical-Brine Systems-Keynotes
M-BRIN-LABL	Mechanical-Brine Systems-Labels
M-BRIN-MARK	Mechanical-Brine Systems-Markers
M-BRIN-MATC	Mechanical-Brine Systems-Match Lines
M-BRIN-NOTE	Mechanical-Brine Systems-Notes
M-BRIN-NPLT	Mechanical-Brine Systems-Non Plotting Info
M-BRIN-PATT	Mechanical-Brine Systems-Hatch Pattern
M-BRIN-PIPE	Mechanical-Brine Systems-Piping
M-BRIN-RDME	Mechanical-Brine Systems-Readme Layer
M-BRIN-REDL	Mechanical-Brine Systems-Redlines
M-BRIN-REFR	Mechanical-Brine Systems-Reference Files
M-BRIN-REVC	Mechanical-Brine Systems-Revision Clouds
M-BRIN-REVS	Mechanical-Brine Systems-Revisions
M-BRIN-SYMB	Mechanical-Brine Systems-Reference Symbols
M-BRIN-TABL	Mechanical-Brine Systems-Data Tables
M-BRIN-TEXT	Mechanical-Brine Systems-Text

<b>M-CHIM</b>	<b>Mechanical-Chimneys and Stacks</b>
---------------	---------------------------------------

M-CHIM-BRNG	Mechanical-Chimneys and Stacks-Bearings
M-CHIM-DIMS	Mechanical-Chimneys and Stacks-Dimensions
M-CHIM-IDEN	Mechanical-Chimneys and Stacks-Identification – <b>Chimneys on Roof Plans</b>
M-CHIM-KEYN	Mechanical-Chimneys and Stacks-Keynotes

M-CHIM-LABL	Mechanical-Chimneys and Stacks-Labels
M-CHIM-MARK	Mechanical-Chimneys and Stacks-Markers
M-CHIM-MATC	Mechanical-Chimneys and Stacks-Match Lines
M-CHIM-NOTE	Mechanical-Chimneys and Stacks-Notes
M-CHIM-NPLT	Mechanical-Chimneys and Stacks-Non Plotting Info
M-CHIM-PATT	Mechanical-Chimneys and Stacks-Hatch Pattern
M-CHIM-RDME	Mechanical-Chimneys and Stacks-Readme Layer
M-CHIM-REDL	Mechanical-Chimneys and Stacks-Redlines
M-CHIM-REFR	Mechanical-Chimneys and Stacks-Reference Files
M-CHIM-REVC	Mechanical-Chimneys and Stacks-Revision Clouds
M-CHIM-REVS	Mechanical-Chimneys and Stacks-Revisions
M-CHIM-SYMB	Mechanical-Chimneys and Stacks-Reference Symbols
M-CHIM-TABL	Mechanical-Chimneys and Stacks-Data Tables
M-CHIM-TEXT	Mechanical-Chimneys and Stacks-Text

<b>M-CMPA</b>	<b>Mechanical-Compressed Air and Processed Air Systems</b>
---------------	--

M-CMPA-BRNG	Mechanical-Compressed Air and Processed Air Systems-Bearings
M-CMPA-CEQP	Mechanical-Compressed Air and Processed Air SystemsEquipment – <b>Air Compressors</b>
M-CMPA-CPIP	Mechanical-Compressed Air and Processed Air Systems-Piping
M-CMPA-DIMS	Mechanical-Compressed Air and Processed Air SystemsDimensions
M-CMPA-IDEN	Mechanical-Compressed Air and Processed Air Systems-Identification
M-CMPA-KEYN	Mechanical-Compressed Air and Processed Air SystemsKeynotes
M-CMPA-LABL	Mechanical-Compressed Air and Processed Air Systems-Labels
M-CMPA-MARK	Mechanical-Compressed Air and Processed Air Systems-Markers
M-CMPA-MATC	Mechanical-Compressed Air and Processed Air Systems-Match Lines
M-CMPA-NOTE	Mechanical-Compressed Air and Processed Air Systems-Notes
M-CMPA-NPLT	Mechanical-Compressed Air and Processed Air Systems-Non Plotting Info
M-CMPA-PATT	Mechanical-Compressed Air and Processed Air Systems-Hatch Pattern
M-CMPA-PEQP	Mechanical-Compressed Air and Processed Air Systems-Process Equipment
M-CMPA-PIIP	Mechanical-Compressed Air and Processed Air Systems-Process Piping
M-CMPA-RDME	Mechanical-Compressed Air and Processed Air Systems-Readme Layer

M-CMPA-REDL	Mechanical-Compressed Air and Processed Air Systems-Redlines
M-CMPA-REFR	Mechanical-Compressed Air and Processed Air Systems-Reference Files
M-CMPA-REVC	Mechanical-Compressed Air and Processed Air Systems-Revision Clouds
M-CMPA-REVS	Mechanical-Compressed Air and Processed Air Systems-Revisions
M-CMPA-SYMB	Mechanical-Compressed Air and Processed Air Systems-Reference Symbols
M-CMPA-TABL	Mechanical-Compressed Air and Processed Air Systems-Data Tables
M-CMPA-TEXT	Mechanical-Compressed Air and Processed Air Systems-Text
<b>M-CNDW</b>	<b>Mechanical-Condenser Water Systems</b>

M-CNDW-BRNG	Mechanical-Condenser Water Systems-Bearings – <b>Pipe Hangers</b>
M-CNDW-DIMS	Mechanical-Condenser Water Systems-Dimensions
M-CNDW-EQPM	Mechanical-Condenser Water Systems- <b>Equipment</b>
M-CNDW-IDEN	Mechanical-Condenser Water Systems-Identification
M-CNDW-KEYN	Mechanical-Condenser Water Systems-Keynotes
M-CNDW-LABL	Mechanical-Condenser Water Systems-Labels
M-CNDW-MARK	Mechanical-Condenser Water Systems-Markers
M-CNDW-MATC	Mechanical-Condenser Water Systems-Match Lines
M-CNDW-NOTE	Mechanical-Condenser Water Systems-Notes
M-CNDW-NPLT	Mechanical-Condenser Water Systems-Non Plotting Info
M-CNDW-PATT	Mechanical-Condenser Water Systems-Hatch Pattern
M-CNDW-PIPE	Mechanical- <b>Condenser Water Systems-Piping</b>
M-CNDW-RDME	Mechanical-Condenser Water Systems-Readme Layer
M-CNDW-REDL	Mechanical-Condenser Water Systems-Redlines
M-CNDW-REFR	Mechanical-Condenser Water Systems-Reference Files
M-CNDW-REVC	Mechanical-Condenser Water Systems-Revision Clouds
M-CNDW-REVS	Mechanical-Condenser Water Systems-Revisions
M-CNDW-SYMB	Mechanical-Condenser Water Systems-Reference Symbols
M-CNDW-TABL	Mechanical-Condenser Water Systems-Data Tables
M-CNDW-TEXT	Mechanical-Condenser Water Systems-Text
<b>M-CONT</b>	<b>Mechanical-Controls and Instrumentation</b>

M-CONT-BRNG	Mechanical-Controls and Instrumentation-Bearings
M-CONT-DIMS	Mechanical-Controls and Instrumentation-Dimensions

M-CONT-IDEN	Mechanical-Controls and Instrumentation-Identification – <b>HVAC Controls including Schematic Line Work</b>
M-CONT-KEYN	Mechanical-Controls and Instrumentation-Keynotes
M-CONT-LABL	Mechanical-Controls and Instrumentation-Labels
M-CONT-MARK	Mechanical-Controls and Instrumentation-Markers
M-CONT-MATC	Mechanical-Controls and Instrumentation-Match Lines
M-CONT-NOTE	Mechanical-Controls and Instrumentation-Notes
M-CONT-NPLT	Mechanical-Controls and Instrumentation-Non Plotting Info
M-CONT-PATT	Mechanical-Controls and Instrumentation-Hatch Pattern
M-CONT-RDME	Mechanical-Controls and Instrumentation-Readme Layer
M-CONT-REDL	Mechanical-Controls and Instrumentation-Redlines
M-CONT-REFR	Mechanical-Controls and Instrumentation-Reference Files
M-CONT-REVC	Mechanical-Controls and Instrumentation-Revision Clouds
M-CONT-REVS	Mechanical-Controls and Instrumentation-Revisions
M-CONT-SYMB	Mechanical-Controls and Instrumentation-Reference Symbols
M-CONT-TABL	Mechanical-Controls and Instrumentation-Data Tables
M-CONT-TEXT	Mechanical-Controls and Instrumentation-Text – <b>Schematic Text</b>
M-CONT-THER	Mechanical-Controls and Instrumentation-Thermostats
M-CONT-WIRE	Mechanical-Controls and Instrumentation-Low Voltage Wiring – <b>Equipment Switch Wiring</b>
<b>M-CWTR</b>	<b>Mechanical-Chilled Water Systems</b>
M-CWTR-BRNG	Mechanical-Chilled Water Systems-Bearings
M-CWTR-DIMS	Mechanical-Chilled Water Systems-Dimensions
M-CWTR-EQPM	Mechanical-Chilled Water Systems- <b>Equipment</b>
M-CWTR-IDEN	Mechanical-Chilled Water Systems-Identification
M-CWTR-KEYN	Mechanical-Chilled Water Systems-Keynotes
M-CWTR-LABL	Mechanical-Chilled Water Systems-Labels
M-CWTR-MARK	Mechanical-Chilled Water Systems-Markers
M-CWTR-MATC	Mechanical-Chilled Water Systems-Match Lines
M-CWTR-NOTE	Mechanical-Chilled Water Systems-Notes
M-CWTR-NPLT	Mechanical-Chilled Water Systems-Non Plotting Info
M-CWTR-PATT	Mechanical-Chilled Water Systems-Hatch Pattern
M-CWTR-PIPE	Mechanical-Chilled Water Systems- <b>Piping</b>
M-CWTR-RDME	Mechanical-Chilled Water Systems-Readme Layer
M-CWTR-REDL	Mechanical-Chilled Water Systems-Redlines
M-CWTR-REFR	Mechanical-Chilled Water Systems-Reference Files
M-CWTR-REVC	Mechanical-Chilled Water Systems-Revision Clouds
M-CWTR-REVS	Mechanical-Chilled Water Systems-Revisions

M-CWTR-SYMB	Mechanical-Chilled Water Systems-Reference Symbols
M-CWTR-TABL	Mechanical-Chilled Water Systems-Data Tables
M-CWTR-TEXT	Mechanical-Chilled Water Systems-Text

<b>M-DUST</b>	<b>Mechanical-Dust and Fume Collection</b>
---------------	--

M-DUST-BRNG	Mechanical-Dust and Fume Collection-Bearings
M-DUST-DIMS	Mechanical-Dust and Fume Collection-Dimensions
M-DUST-DUCT	Mechanical-Dust and Fume Collection-Ductwork
M-DUST-EQPM	Mechanical-Dust and Fume Collection-Equipment – <b>Central Vac System</b>
M-DUST-IDEN	Mechanical-Dust and Fume Collection-Identification
M-DUST-KEYN	Mechanical-Dust and Fume Collection-Keynotes
M-DUST-LABL	Mechanical-Dust and Fume Collection-Labels
M-DUST-MARK	Mechanical-Dust and Fume Collection-Markers
M-DUST-MATC	Mechanical-Dust and Fume Collection-Match Lines
M-DUST-NOTE	Mechanical-Dust and Fume Collection-Notes
M-DUST-NPLT	Mechanical-Dust and Fume Collection-Non Plotting Info
M-DUST-PATT	Mechanical-Dust and Fume Collection-Hatch Pattern
M-DUST-RDME	Mechanical-Dust and Fume Collection-Readme Layer
M-DUST-REDL	Mechanical-Dust and Fume Collection-Redlines
M-DUST-REFR	Mechanical-Dust and Fume Collection-Reference Files
M-DUST-REVC	Mechanical-Dust and Fume Collection-Revision Clouds
M-DUST-REVS	Mechanical-Dust and Fume Collection-Revisions
M-DUST-SYMB	Mechanical-Dust and Fume Collection-Reference Symbols
M-DUST-TABL	Mechanical-Dust and Fume Collection-Data Tables
M-DUST-TEXT	Mechanical-Dust and Fume Collection-Text

<b>M-ELHT</b>	<b>Mechanical-Electric Heat</b>
---------------	---------------------------------

M-ELHT-BRNG	Mechanical-Electric Heat-Bearings
M-ELHT-DIMS	Mechanical-Electric Heat-Dimensions
M-ELHT-EQPM	Mechanical-Electric Heat-Equipment – <b>Base Board Heaters, Radiant Heat Panels</b>
M-ELHT-IDEN	Mechanical-Electric Heat-Identification
M-ELHT-KEYN	Mechanical-Electric Heat-Keynotes
M-ELHT-LABL	Mechanical-Electric Heat-Labels
M-ELHT-MARK	Mechanical-Electric Heat-Markers
M-ELHT-MATC	Mechanical-Electric Heat-Match Lines
M-ELHT-NOTE	Mechanical-Electric Heat-Notes



M-ELHT-NPLT	Mechanical-Electric Heat-Non Plotting Info
M-ELHT-PATT	Mechanical-Electric Heat-Hatch Pattern
M-ELHT-RDME	Mechanical-Electric Heat-Readme Layer
M-ELHT-REDL	Mechanical-Electric Heat-Redlines
M-ELHT-REFR	Mechanical-Electric Heat-Reference Files
M-ELHT-REVC	Mechanical-Electric Heat-Revision Clouds
M-ELHT-REVS	Mechanical-Electric Heat-Revisions
M-ELHT-SYMB	Mechanical-Electric Heat-Reference Symbols
M-ELHT-TABL	Mechanical-Electric Heat-Data Tables
M-ELHT-TEXT	Mechanical-Electric Heat-Text
<b>M-ENER</b>	<b>Mechanical-Energy Management Systems</b>
M-ENER-BRNG	Mechanical-Energy Management Systems-Bearings
M-ENER-DIMS	Mechanical-Energy Management Systems-Dimensions
M-ENER-EQPM	Mechanical-Energy Management Systems-Equipment
M-ENER-IDEN	Mechanical-Energy Management Systems-Identification
M-ENER-KEYN	Mechanical-Energy Management Systems-Keynotes
M-ENER-LABL	Mechanical-Energy Management Systems-Labels
M-ENER-MARK	Mechanical-Energy Management Systems-Markers
M-ENER-MATC	Mechanical-Energy Management Systems-Match Lines
M-ENER-NOTE	Mechanical-Energy Management Systems-Notes
M-ENER-NPLT	Mechanical-Energy Management Systems-Non Plotting Info
M-ENER-PATT	Mechanical-Energy Management Systems-Hatch Pattern
M-ENER-RDME	Mechanical-Energy Management Systems-Readme Layer
M-ENER-REDL	Mechanical-Energy Management Systems-Redlines
M-ENER-REFR	Mechanical-Energy Management Systems-Reference Files
M-ENER-REVC	Mechanical-Energy Management Systems-Revision Clouds
M-ENER-REVS	Mechanical-Energy Management Systems-Revisions
M-ENER-SYMB	Mechanical-Energy Management Systems-Reference Symbols
M-ENER-TABL	Mechanical-Energy Management Systems-Data Tables
M-ENER-TEXT	Mechanical-Energy Management Systems-Text
<b>M-EXHS</b>	<b>Mechanical-Exhaust System</b>
M-EXHS-BRNG	Mechanical-Exhaust System-Bearings
M-EXHS-CDFF	Mechanical-Exhaust System- <b>Ceiling Diffusers</b>
M-EXHS-DIMS	Mechanical-Exhaust System-Dimensions
M-EXHS-DUCT	Mechanical-Exhaust System- <b>Ductwork</b>

M-EXHS-EQPM	Mechanical-Exhaust System- <b>Equipment</b>
M-EXHS-IDEN	Mechanical-Exhaust System-Identification
M-EXHS-KEYN	Mechanical-Exhaust System-Keynotes
M-EXHS-LABL	Mechanical-Exhaust System-Labels
M-EXHS-MARK	Mechanical-Exhaust System-Markers
M-EXHS-MATC	Mechanical-Exhaust System-Match Lines
M-EXHS-NOTE	Mechanical-Exhaust System-Notes
M-EXHS-NPLT	Mechanical-Exhaust System-Non Plotting Info
M-EXHS-PATT	Mechanical-Exhaust System-Hatch Pattern
M-EXHS-RDME	Mechanical-Exhaust System-Readme Layer
M-EXHS-REDL	Mechanical-Exhaust System-Redlines
M-EXHS-REFR	Mechanical-Exhaust System-Reference Files
M-EXHS-REVC	Mechanical-Exhaust System-Revision Clouds
M-EXHS-REVS	Mechanical-Exhaust System-Revisions
M-EXHS-RFEQ	Mechanical-Exhaust System- <b>Rooftop Equipment – Roof Vents</b>
M-EXHS-SYMB	Mechanical-Exhaust System-Reference Symbols
M-EXHS-TABL	Mechanical-Exhaust System-Data Tables
M-EXHS-TEXT	Mechanical-Exhaust System-Text

<b>M-FUEL</b>	<b>Mechanical-Fuel Systems</b>
---------------	--------------------------------

M-FUEL-BRNG	Mechanical-Fuel Systems-Bearings
M-FUEL-DIMS	Mechanical-Fuel Systems-Dimensions
M-FUEL-EQPM	Mechanical-Fuel Systems-Equipment
M-FUEL-GGEP	Mechanical-Fuel Systems- <b>Gas General Piping</b>
M-FUEL-GPRP	Mechanical-Fuel Systems-Gas Process Piping
M-FUEL-IDEN	Mechanical-Fuel Systems-Identification
M-FUEL-KEYN	Mechanical-Fuel Systems-Keynotes
M-FUEL-LABL	Mechanical-Fuel Systems-Labels
M-FUEL-MARK	Mechanical-Fuel Systems-Markers
M-FUEL-MATC	Mechanical-Fuel Systems-Match Lines
M-FUEL-NOTE	Mechanical-Fuel Systems-Notes
M-FUEL-NPLT	Mechanical-Fuel Systems-Non Plotting Info
M-FUEL-OGEP	Mechanical-Fuel Systems- <b>Oil General Piping</b>
M-FUEL-OPRP	Mechanical-Fuel Systems-Oil Process Piping
M-FUEL-PATT	Mechanical-Fuel Systems-Hatch Pattern
M-FUEL-RDME	Mechanical-Fuel Systems-Readme Layer
M-FUEL-REDL	Mechanical-Fuel Systems-Redlines
M-FUEL-REFR	Mechanical-Fuel Systems-Reference Files

M-FUEL-REVC	Mechanical-Fuel Systems-Revision Clouds
M-FUEL-REVS	Mechanical-Fuel Systems-Revisions
M-FUEL-SYMB	Mechanical-Fuel Systems-Reference Symbols
M-FUEL-TABL	Mechanical-Fuel Systems-Data Tables
M-FUEL-TEXT	Mechanical-Fuel Systems-Text
<b>M-FUME</b>	<b>Mechanical-Fume Hood</b>

M-FUME-BRNG	Mechanical-Fume Hood-Bearings
M-FUME-DIMS	Mechanical-Fume Hood-Dimensions
M-FUME-EQPM	Mechanical-Fume Hood-Equipment
M-FUME-IDEN	Mechanical-Fume Hood-Identification
M-FUME-KEYN	Mechanical-Fume Hood-Keynotes
M-FUME-LABL	Mechanical-Fume Hood-Labels
M-FUME-MARK	Mechanical-Fume Hood-Markers
M-FUME-MATC	Mechanical-Fume Hood-Match Lines
M-FUME-NOTE	Mechanical-Fume Hood-Notes
M-FUME-NPLT	Mechanical-Fume Hood-Non Plotting Info
M-FUME-PATT	Mechanical-Fume Hood-Hatch Pattern
M-FUME-RDME	Mechanical-Fume Hood-Readme Layer
M-FUME-REDL	Mechanical-Fume Hood-Redlines
M-FUME-REFR	Mechanical-Fume Hood-Reference Files
M-FUME-REVC	Mechanical-Fume Hood-Revision Clouds
M-FUME-REVS	Mechanical-Fume Hood-Revisions
M-FUME-SYMB	Mechanical-Fume Hood-Reference Symbols
M-FUME-TABL	Mechanical-Fume Hood-Data Tables
M-FUME-TEXT	Mechanical-Fume Hood-Text
<b>M-HOTW</b>	<b>Mechanical-Hot Water Heating Systems</b>

M-HOTW-BRNG	Mechanical-Hot Water Heating Systems-Bearings
M-HOTW-DIMS	Mechanical-Hot Water Heating Systems-Dimensions
M-HOTW-EQPM	Mechanical-Hot Water Heating Systems-Equipment – <b>HW Rads</b>
M-HOTW-IDEN	Mechanical-Hot Water Heating Systems-Identification – <b>Incl. Schematics</b>
M-HOTW-KEYN	Mechanical-Hot Water Heating Systems-Keynotes
M-HOTW-LABL	Mechanical-Hot Water Heating Systems-Labels
M-HOTW-MARK	Mechanical-Hot Water Heating Systems-Markers
M-HOTW-MATC	Mechanical-Hot Water Heating Systems-Match Lines
M-HOTW-NOTE	Mechanical-Hot Water Heating Systems-Notes

M-HOTW-NPLT	Mechanical-Hot Water Heating Systems-Non Plotting Info
M-HOTW-PATT	Mechanical-Hot Water Heating Systems-Hatch Pattern
M-HOTW-PIPE	Mechanical-Hot Water Heating Systems- <b>Piping</b>
M-HOTW-RDME	Mechanical-Hot Water Heating Systems-Readme Layer
M-HOTW-REDL	Mechanical-Hot Water Heating Systems-Redlines
M-HOTW-REFR	Mechanical-Hot Water Heating Systems-Reference Files
M-HOTW-REVC	Mechanical-Hot Water Heating Systems-Revision Clouds
M-HOTW-REVS	Mechanical-Hot Water Heating Systems-Revisions
M-HOTW-SYMB	Mechanical-Hot Water Heating Systems-Reference Symbols
M-HOTW-TABL	Mechanical-Hot Water Heating Systems-Data Tables
M-HOTW-TEXT	Mechanical-Hot Water Heating Systems-Text

<b>M-HVAC</b>	<b>Mechanical-HVAC Systems</b>
---------------	--------------------------------

M-HVAC-BRNG	Mechanical-HVAC Systems-Bearings – <b>Duct Supports-Roof Sleepers</b>
M-HVAC-CDFF	Mechanical-HVAC Systems-Ceiling Diffusers
M-HVAC-DIMS	Mechanical-HVAC Systems-Dimensions - <b>Duct Sizes</b>
M-HVAC-DOOR	Mechanical-HVAC Systems-Equipment Doors
M-HVAC-EQPM	Mechanical-HVAC Systems-Equipment - <b>Louvers</b>
M-HVAC-IDEN	Mechanical-HVAC Systems-Identification – <b>CFM Output Bubbles, HVAC Schematic Line Work</b>
M-HVAC-KEYN	Mechanical-HVAC Systems-Keynotes
M-HVAC-LABL	Mechanical-HVAC Systems-Labels
M-HVAC-MARK	Mechanical-HVAC Systems-Markers
M-HVAC-MATC	Mechanical-HVAC Systems-Match Lines
M-HVAC-NOTE	Mechanical-HVAC Systems-Notes
M-HVAC-NPLT	Mechanical-HVAC Systems-Non Plotting Info
M-HVAC-ODFF	Mechanical-HVAC Systems-Other Diffusers
M-HVAC-PATT	Mechanical-HVAC Systems-Hatch Pattern
M-HVAC-RDFF	Mechanical-HVAC Systems-Return Air Diffusers
M-HVAC-RDME	Mechanical-HVAC Systems-Readme Layer
M-HVAC-REDL	Mechanical-HVAC Systems-Redlines
M-HVAC-REFR	Mechanical-HVAC Systems-Reference Files
M-HVAC-RETN	Mechanical-HVAC Systems-Return Ductwork
M-HVAC-REVC	Mechanical-HVAC Systems-Revision Clouds
M-HVAC-REVS	Mechanical-HVAC Systems-Revisions
M-HVAC-SDFF	Mechanical-HVAC Systems-Supply Diffusers
M-HVAC-SUPP	Mechanical-HVAC Systems-Supply Ductwork – <b>Transfer Ducts</b>

M-HVAC-SYMB	Mechanical-HVAC Systems-Reference Symbols – <b>Air Flow Directional Symbols</b>
M-HVAC-TABL	Mechanical-HVAC Systems-Data Tables
M-HVAC-TEXT	Mechanical-HVAC Systems-Text – <b>Schematic Text</b>
<b>M-LGAS</b>	<b>Mechanical-Laboratory Gas Systems</b>

M-LGAS-BRNG	Mechanical-Laboratory Gas Systems-Bearings
M-LGAS-DIMS	Mechanical-Laboratory Gas Systems-Dimensions
M-LGAS-EQPM	Mechanical-Laboratory Gas Systems-Equipment
M-LGAS-IDEN	Mechanical-Laboratory Gas Systems-Identification – <b>Laboratory Gas Lines on Plan</b>
M-LGAS-KEYN	Mechanical-Laboratory Gas Systems-Keynotes
M-LGAS-LABL	Mechanical-Laboratory Gas Systems-Labels
M-LGAS-MARK	Mechanical-Laboratory Gas Systems-Markers
M-LGAS-MATC	Mechanical-Laboratory Gas Systems-Match Lines
M-LGAS-NOTE	Mechanical-Laboratory Gas Systems-Notes
M-LGAS-NPLT	Mechanical-Laboratory Gas Systems-Non Plotting Info
M-LGAS-PATT	Mechanical-Laboratory Gas Systems-Hatch Pattern
M-LGAS-RDME	Mechanical-Laboratory Gas Systems-Readme Layer
M-LGAS-REDL	Mechanical-Laboratory Gas Systems-Redlines
M-LGAS-REFR	Mechanical-Laboratory Gas Systems-Reference Files
M-LGAS-REVC	Mechanical-Laboratory Gas Systems-Revision Clouds
M-LGAS-REVS	Mechanical-Laboratory Gas Systems-Revisions
M-LGAS-SYMB	Mechanical-Laboratory Gas Systems-Reference Symbols
M-LGAS-TABL	Mechanical-Laboratory Gas Systems-Data Tables
M-LGAS-TEXT	Mechanical-Laboratory Gas Systems-Text

<b>M-MACH</b>	<b>Mechanical-Machine Shop</b>

M-MACH-BRNG	Mechanical-Machine Shop-Bearings
M-MACH-DIMS	Mechanical-Machine Shop-Dimensions
M-MACH-IDEN	Mechanical-Machine Shop-Identification
M-MACH-KEYN	Mechanical-Machine Shop-Keynotes
M-MACH-LABL	Mechanical-Machine Shop-Labels
M-MACH-MARK	Mechanical-Machine Shop-Markers
M-MACH-MATC	Mechanical-Machine Shop-Match Lines
M-MACH-NOTE	Mechanical-Machine Shop-Notes
M-MACH-NPLT	Mechanical-Machine Shop-Non Plotting Info
M-MACH-PATT	Mechanical-Machine Shop-Hatch Pattern

M-MACH-RDME	Mechanical-Machine Shop-Readme Layer
M-MACH-REDL	Mechanical-Machine Shop-Redlines
M-MACH-REFR	Mechanical-Machine Shop-Reference Files
M-MACH-REVC	Mechanical-Machine Shop-Revision Clouds
M-MACH-REVS	Mechanical-Machine Shop-Revisions
M-MACH-SYMB	Mechanical-Machine Shop-Reference Symbols
M-MACH-TABL	Mechanical-Machine Shop-Data Tables
M-MACH-TEXT	Mechanical-Machine Shop-Text

<b>M-MDGS</b>	<b>Mechanical-Medical Gas</b>
---------------	-------------------------------

M-MDGS-BRNG	Mechanical-Medical Gas-Bearings
M-MDGS-CAIR	Mechanical-Medical Gas-Compressed Air
M-MDGS-DIMS	Mechanical-Medical Gas-Dimensions
M-MDGS-EQPM	Mechanical-Medical Gas-Equipment
M-MDGS-IDEN	Mechanical-Medical Gas-Identification
M-MDGS-KEYN	Mechanical-Medical Gas-Keynotes
M-MDGS-LABL	Mechanical-Medical Gas-Labels
M-MDGS-MARK	Mechanical-Medical Gas-Markers
M-MDGS-MATC	Mechanical-Medical Gas-Match Lines
M-MDGS-NITG	Mechanical-Medical Gas-Nitrogen
M-MDGS-NOTE	Mechanical-Medical Gas-Notes
M-MDGS-NOXD	Mechanical-Medical Gas-Nitrous Oxide
M-MDGS-NPLT	Mechanical-Medical Gas-Non Plotting Info
M-MDGS-OXYG	Mechanical-Medical Gas-Pure Oxygen
M-MDGS-PATT	Mechanical-Medical Gas-Hatch Pattern
M-MDGS-PIPE	Mechanical-Medical Gas-Piping
M-MDGS-RDME	Mechanical-Medical Gas-Readme Layer
M-MDGS-REDL	Mechanical-Medical Gas-Redlines
M-MDGS-REFR	Mechanical-Medical Gas-Reference Files
M-MDGS-REVC	Mechanical-Medical Gas-Revision Clouds
M-MDGS-REVS	Mechanical-Medical Gas-Revisions
M-MDGS-SAIR	Mechanical-Medical Gas-Scavenged Air
M-MDGS-SYMB	Mechanical-Medical Gas-Reference Symbols
M-MDGS-TABL	Mechanical-Medical Gas-Data Tables
M-MDGS-TEXT	Mechanical-Medical Gas-Text
M-MDGS-VACU	Mechanical-Medical Gas-Medical Vacuum

<b>M-MKUP</b>	<b>Mechanical-Make-Up Air Systems</b>
---------------	---------------------------------------

M-MKUP-BRNG	Mechanical-Make-Up Air Systems-Bearings – <b>Make-up Ducts Supports</b>
M-MKUP-CDFF	Mechanical-Make-Up Air Systems-Ceiling Diffusers
M-MKUP-DIMS	Mechanical-Make-Up Air Systems-Dimensions
M-MKUP-DUCT	Mechanical-Make-Up Air Systems-Ductwork – <b>Combustion Air Intake Pipes for Boilers</b>
M-MKUP-EQPM	Mechanical-Make-Up Air Systems-Equipment
M-MKUP-IDEN	Mechanical-Make-Up Air Systems-Identification
M-MKUP-KEYN	Mechanical-Make-Up Air Systems-Keynotes
M-MKUP-LABL	Mechanical-Make-Up Air Systems-Labels
M-MKUP-MARK	Mechanical-Make-Up Air Systems-Markers
M-MKUP-MATC	Mechanical-Make-Up Air Systems-Match Lines
M-MKUP-NOTE	Mechanical-Make-Up Air Systems-Notes
M-MKUP-NPLT	Mechanical-Make-Up Air Systems-Non Plotting Info
M-MKUP-PATT	Mechanical-Make-Up Air Systems-Hatch Pattern
M-MKUP-RDME	Mechanical-Make-Up Air Systems-Readme Layer
M-MKUP-REDL	Mechanical-Make-Up Air Systems-Redlines
M-MKUP-REFR	Mechanical-Make-Up Air Systems-Reference Files
M-MKUP-REVC	Mechanical-Make-Up Air Systems-Revision Clouds
M-MKUP-REVS	Mechanical-Make-Up Air Systems-Revisions
M-MKUP-SYMB	Mechanical-Make-Up Air Systems-Reference Symbols
M-MKUP-TABL	Mechanical-Make-Up Air Systems-Data Tables
M-MKUP-TEXT	Mechanical-Make-Up Air Systems-Text
<b>M-NGAS</b>	<b>Mechanical-Natural Gas Systems</b>
M-NGAS-BRNG	Mechanical-Natural Gas Systems-Bearings
M-NGAS-DIMS	Mechanical-Natural Gas Systems-Dimensions
M-NGAS-EQPM	Mechanical-Natural Gas Systems- <b>Equipment includes Gas Sensor Panels</b>
M-NGAS-IDEN	Mechanical-Natural Gas Systems-Identification
M-NGAS-KEYN	Mechanical-Natural Gas Systems-Keynotes
M-NGAS-LABL	Mechanical-Natural Gas Systems-Labels
M-NGAS-MARK	Mechanical-Natural Gas Systems-Markers
M-NGAS-MATC	Mechanical-Natural Gas Systems-Match Lines
M-NGAS-NOTE	Mechanical-Natural Gas Systems-Notes
M-NGAS-NPLT	Mechanical-Natural Gas Systems-Non Plotting Info
M-NGAS-PATT	Mechanical-Natural Gas Systems-Hatch Pattern
M-NGAS-PIPE	Mechanical-Natural Gas Systems- <b>Piping</b>
M-NGAS-RDME	Mechanical-Natural Gas Systems-Readme Layer

M-NGAS-REDL	Mechanical-Natural Gas Systems-Redlines
M-NGAS-REFR	Mechanical-Natural Gas Systems-Reference Files
M-NGAS-REVC	Mechanical-Natural Gas Systems-Revision Clouds
M-NGAS-REVS	Mechanical-Natural Gas Systems-Revisions
M-NGAS-SYMB	Mechanical-Natural Gas Systems-Reference Symbols
M-NGAS-TABL	Mechanical-Natural Gas Systems-Data Tables
M-NGAS-TEXT	Mechanical-Natural Gas Systems- <b>Text</b>

<b>M-PROC</b>	<b>Mechanical-Process Systems</b>
---------------	-----------------------------------

M-PROC-BRNG	Mechanical-Process Systems-Bearings
M-PROC-DIMS	Mechanical-Process Systems-Dimensions
M-PROC-EQPM	Mechanical-Process Systems-Equipment
M-PROC-IDEN	Mechanical-Process Systems-Identification
M-PROC-KEYN	Mechanical-Process Systems-Keynotes
M-PROC-LABL	Mechanical-Process Systems-Labels
M-PROC-MARK	Mechanical-Process Systems-Markers
M-PROC-MATC	Mechanical-Process Systems-Match Lines
M-PROC-NOTE	Mechanical-Process Systems-Notes
M-PROC-NPLT	Mechanical-Process Systems-Non Plotting Info
M-PROC-PATT	Mechanical-Process Systems-Hatch Pattern
M-PROC-PIPE	Mechanical-Process Systems-Piping
M-PROC-RDME	Mechanical-Process Systems-Readme Layer
M-PROC-REDL	Mechanical-Process Systems-Redlines
M-PROC-REFR	Mechanical-Process Systems-Reference Files
M-PROC-REVC	Mechanical-Process Systems-Revision Clouds
M-PROC-REVS	Mechanical-Process Systems-Revisions
M-PROC-SYMB	Mechanical-Process Systems-Reference Symbols
M-PROC-TABL	Mechanical-Process Systems-Data Tables
M-PROC-TEXT	Mechanical-Process Systems-Text

<b>M-RAIR</b>	<b>Mechanical-Relief Air Systems</b>
---------------	--------------------------------------

M-RAIR-BRNG	Mechanical-Relief Air Systems-Bearings
M-RAIR-DIMS	Mechanical-Relief Air Systems-Dimensions
M-RAIR-IDEN	Mechanical-Relief Air Systems-Identification
M-RAIR-KEYN	Mechanical-Relief Air Systems-Keynotes
M-RAIR-LABL	Mechanical-Relief Air Systems-Labels
M-RAIR-MARK	Mechanical-Relief Air Systems-Markers



M-RAIR-MATC	Mechanical-Relief Air Systems-Match Lines
M-RAIR-NOTE	Mechanical-Relief Air Systems-Notes
M-RAIR-NPLT	Mechanical-Relief Air Systems-Non Plotting Info
M-RAIR-PATT	Mechanical-Relief Air Systems-Hatch Pattern
M-RAIR-RDME	Mechanical-Relief Air Systems-Readme Layer
M-RAIR-REDL	Mechanical-Relief Air Systems-Redlines
M-RAIR-REFR	Mechanical-Relief Air Systems-Reference Files
M-RAIR-REVC	Mechanical-Relief Air Systems-Revision Clouds
M-RAIR-REVS	Mechanical-Relief Air Systems-Revisions
M-RAIR-SYMB	Mechanical-Relief Air Systems-Reference Symbols
M-RAIR-TABL	Mechanical-Relief Air Systems-Data Tables
M-RAIR-TEXT	Mechanical-Relief Air Systems-Text
<b>M-RCOV</b>	<b>Mechanical-Energy Recovery Systems</b>

M-RCOV-BRNG	Mechanical-Energy Recovery Systems-Bearings
M-RCOV-DIMS	Mechanical-Energy Recovery Systems-Dimensions
M-RCOV-EQPM	Mechanical-Energy Recovery Systems-Equipment – <b>Heat Pumps</b>
M-RCOV-IDEN	Mechanical-Energy Recovery Systems-Identification
M-RCOV-KEYN	Mechanical-Energy Recovery Systems-Keynotes
M-RCOV-LABL	Mechanical-Energy Recovery Systems-Labels
M-RCOV-MARK	Mechanical-Energy Recovery Systems-Markers
M-RCOV-MATC	Mechanical-Energy Recovery Systems-Match Lines
M-RCOV-NOTE	Mechanical-Energy Recovery Systems-Notes
M-RCOV-NPLT	Mechanical-Energy Recovery Systems-Non Plotting Info
M-RCOV-PATT	Mechanical-Energy Recovery Systems-Hatch Pattern
M-RCOV-PIPE	Mechanical-Energy Recovery Systems-Piping – <b>Heat Recovery Pipes</b>
M-RCOV-RDME	Mechanical-Energy Recovery Systems-Readme Layer
M-RCOV-REDL	Mechanical-Energy Recovery Systems-Redlines
M-RCOV-REFR	Mechanical-Energy Recovery Systems-Reference Files
M-RCOV-REVC	Mechanical-Energy Recovery Systems-Revision Clouds
M-RCOV-REVS	Mechanical-Energy Recovery Systems-Revisions
M-RCOV-SYMB	Mechanical-Energy Recovery Systems-Reference Symbols
M-RCOV-TABL	Mechanical-Energy Recovery Systems-Data Tables
M-RCOV-TEXT	Mechanical-Energy Recovery Systems-Text
<b>M-REFG</b>	<b>Mechanical-Refrigeration Systems</b>

M-REFG-BRNG	Mechanical-Refrigeration Systems-Bearings
-------------	---

M-REFG-DIMS	Mechanical-Refrigeration Systems-Dimensions
M-REFG-EQPM	Mechanical-Refrigeration Systems-Equipment - <b>Condenser</b>
M-REFG-IDEN	Mechanical-Refrigeration Systems-Identification
M-REFG-KEYN	Mechanical-Refrigeration Systems-Keynotes
M-REFG-LABL	Mechanical-Refrigeration Systems-Labels
M-REFG-MARK	Mechanical-Refrigeration Systems-Markers
M-REFG-MATC	Mechanical-Refrigeration Systems-Match Lines
M-REFG-NOTE	Mechanical-Refrigeration Systems-Notes
M-REFG-NPLT	Mechanical-Refrigeration Systems-Non Plotting Info
M-REFG-PATT	Mechanical-Refrigeration Systems-Hatch Pattern
M-REFG-PIPE	Mechanical-Refrigeration Systems- <b>Piping</b>
M-REFG-RDME	Mechanical-Refrigeration Systems-Readme Layer
M-REFG-REDL	Mechanical-Refrigeration Systems-Redlines
M-REFG-REFR	Mechanical-Refrigeration Systems-Reference Files
M-REFG-REVC	Mechanical-Refrigeration Systems-Revision Clouds
M-REFG-REVS	Mechanical-Refrigeration Systems-Revisions
M-REFG-SYMB	Mechanical-Refrigeration Systems-Reference Symbols
M-REFG-TABL	Mechanical-Refrigeration Systems-Data Tables
M-REFG-TEXT	Mechanical-Refrigeration Systems-Text
<b>M-SMOK</b>	<b>Mechanical-Smoke Extraction Systems</b>
M-SMOK-BRNG	Mechanical-Smoke Extraction Systems-Bearings
M-SMOK-CDFF	Mechanical-Smoke Extraction Systems-Ceiling Diffusers
M-SMOK-DIMS	Mechanical-Smoke Extraction Systems-Dimensions
M-SMOK-DUCT	Mechanical-Smoke Extraction Systems-Ductwork
M-SMOK-EQPM	Mechanical-Smoke Extraction Systems-Equipment
M-SMOK-IDEN	Mechanical-Smoke Extraction Systems-Identification
M-SMOK-KEYN	Mechanical-Smoke Extraction Systems-Keynotes
M-SMOK-LABL	Mechanical-Smoke Extraction Systems-Labels
M-SMOK-MARK	Mechanical-Smoke Extraction Systems-Markers
M-SMOK-MATC	Mechanical-Smoke Extraction Systems-Match Lines
M-SMOK-NOTE	Mechanical-Smoke Extraction Systems-Notes
M-SMOK-NPLT	Mechanical-Smoke Extraction Systems-Non Plotting Info
M-SMOK-PATT	Mechanical-Smoke Extraction Systems-Hatch Pattern
M-SMOK-RDME	Mechanical-Smoke Extraction Systems-Readme Layer
M-SMOK-REDL	Mechanical-Smoke Extraction Systems-Redlines
M-SMOK-REFR	Mechanical-Smoke Extraction Systems-Reference Files
M-SMOK-REVC	Mechanical-Smoke Extraction Systems-Revision Clouds

M-SMOK-REVS	Mechanical-Smoke Extraction Systems-Revisions
M-SMOK-SYMB	Mechanical-Smoke Extraction Systems-Reference Symbols
M-SMOK-TABL	Mechanical-Smoke Extraction Systems-Data Tables
M-SMOK-TEXT	Mechanical-Smoke Extraction Systems-Text
<b>M-SPCL</b>	<b>Mechanical-Special Systems</b>

M-SPCL-BRNG	Mechanical-Special Systems-Bearings
M-SPCL-DIMS	Mechanical-Special Systems-Dimensions
M-SPCL-EQPM	Mechanical-Special Systems-Equipment - <b>Methane Gas and Hydrogen Sulfide Sensors</b>
M-SPCL-IDEN	Mechanical-Special Systems-Identification
M-SPCL-KEYN	Mechanical-Special Systems-Keynotes
M-SPCL-LABL	Mechanical-Special Systems-Labels
M-SPCL-MARK	Mechanical-Special Systems-Markers
M-SPCL-MATC	Mechanical-Special Systems-Match Lines
M-SPCL-NOTE	Mechanical-Special Systems-Notes
M-SPCL-NPLT	Mechanical-Special Systems-Non Plotting Info
M-SPCL-PATT	Mechanical-Special Systems-Hatch Pattern
M-SPCL-PIPE	Mechanical-Special Systems-Piping – <b>Glycol Piping</b>
M-SPCL-RDME	Mechanical-Special Systems-Readme Layer
M-SPCL-REDL	Mechanical-Special Systems-Redlines
M-SPCL-REFR	Mechanical-Special Systems-Reference Files
M-SPCL-REVC	Mechanical-Special Systems-Revision Clouds
M-SPCL-REVS	Mechanical-Special Systems-Revisions
M-SPCL-SYMB	Mechanical-Special Systems-Reference Symbols
M-SPCL-TABL	Mechanical-Special Systems-Data Tables
M-SPCL-TEXT	Mechanical-Special Systems-Text

<b>M-STEM</b>	<b>Mechanical-Steam Systems</b>

M-STEM-BRNG	Mechanical-Steam Systems-Bearings
M-STEM-CONP	Mechanical-Steam Systems-Condensate Piping
M-STEM-DIMS	Mechanical-Steam Systems-Dimensions
M-STEM-EQPM	Mechanical-Steam Systems-Equipment
M-STEM-HPIP	Mechanical-Steam Systems-High Pressure Steam Piping
M-STEM-IDEN	Mechanical-Steam Systems-Identification
M-STEM-KEYN	Mechanical-Steam Systems-Keynotes
M-STEM-LABL	Mechanical-Steam Systems-Labels
M-STEM-LPIP	Mechanical-Steam Systems-Low Pressure Steam Piping

M-STEM-MARK	Mechanical-Steam Systems-Markers
M-STEM-MATC	Mechanical-Steam Systems-Match Lines
M-STEM-MPIP	Mechanical-Steam Systems- <b>Medium Pressure Steam Piping</b>
M-STEM-NOTE	Mechanical-Steam Systems-Notes
M-STEM-NPLT	Mechanical-Steam Systems-Non Plotting Info
M-STEM-PATT	Mechanical-Steam Systems-Hatch Pattern
M-STEM-RDME	Mechanical-Steam Systems-Readme Layer
M-STEM-REDL	Mechanical-Steam Systems-Redlines
M-STEM-REFR	Mechanical-Steam Systems-Reference Files
M-STEM-REVC	Mechanical-Steam Systems-Revision Clouds
M-STEM-REVS	Mechanical-Steam Systems-Revisions
M-STEM-SYMB	Mechanical-Steam Systems-Reference Symbols
M-STEM-TABL	Mechanical-Steam Systems-Data Tables
M-STEM-TEXT	Mechanical-Steam Systems-Text
<b>M-TEST</b>	<b>Mechanical-Test Equipment</b>

M-TEST-BRNG	Mechanical-Test Equipment-Bearings
M-TEST-DIMS	Mechanical-Test Equipment-Dimensions
M-TEST-IDEN	Mechanical-Test Equipment-Identification
M-TEST-KEYN	Mechanical-Test Equipment-Keynotes
M-TEST-LABL	Mechanical-Test Equipment-Labels
M-TEST-MARK	Mechanical-Test Equipment-Markers
M-TEST-MATC	Mechanical-Test Equipment-Match Lines
M-TEST-NOTE	Mechanical-Test Equipment-Notes
M-TEST-NPLT	Mechanical-Test Equipment-Non Plotting Info
M-TEST-PATT	Mechanical-Test Equipment-Hatch Pattern
M-TEST-RDME	Mechanical-Test Equipment-Readme Layer
M-TEST-REDL	Mechanical-Test Equipment-Redlines
M-TEST-REFR	Mechanical-Test Equipment-Reference Files
M-TEST-REVC	Mechanical-Test Equipment-Revision Clouds
M-TEST-REVS	Mechanical-Test Equipment-Revisions
M-TEST-SYMB	Mechanical-Test Equipment-Reference Symbols
M-TEST-TABL	Mechanical-Test Equipment-Data Tables
M-TEST-TEXT	Mechanical-Test Equipment-Text

## 7.13 Plumbing Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>P-ACID Plumbing-Acid Waste Systems</b>	
P-ACID-BRNG	Plumbing-Acid Waste Systems-Bearings
P-ACID-DIMS	Plumbing-Acid Waste Systems-Dimensions
P-ACID-IDEN	Plumbing-Acid Waste Systems-Identification
P-ACID-KEYN	Plumbing-Acid Waste Systems-Keynotes
P-ACID-LABL	Plumbing-Acid Waste Systems-Labels
P-ACID-MARK	Plumbing-Acid Waste Systems-Markers
P-ACID-MATC	Plumbing-Acid Waste Systems-Match Lines
P-ACID-NOTE	Plumbing-Acid Waste Systems-Notes
P-ACID-NPLT	Plumbing-Acid Waste Systems-Non Plotting Info
P-ACID-PATT	Plumbing-Acid Waste Systems-Hatch Pattern
P-ACID-PIPE	Plumbing-Acid Waste Systems-Piping
P-ACID-RDME	Plumbing-Acid Waste Systems-Readme Layer
P-ACID-REDL	Plumbing-Acid Waste Systems-Redlines
P-ACID-REFR	Plumbing-Acid Waste Systems-Reference Files
P-ACID-REVC	Plumbing-Acid Waste Systems-Revision Clouds
P-ACID-REVS	Plumbing-Acid Waste Systems-Revisions
P-ACID-SYMB	Plumbing-Acid Waste Systems-Reference Symbols
P-ACID-TABL	Plumbing-Acid Waste Systems-Data Tables
P-ACID-TEXT	Plumbing-Acid Waste Systems-Text
<b>P-ANNO Plumbing-Annotation</b>	
P-ANNO-BRNG	Plumbing-Annotation-Bearings
P-ANNO-DIMS	Plumbing-Annotation-Dimensions
P-ANNO-IDEN	Plumbing-Annotation-Identification
P-ANNO-KEYN	Plumbing-Annotation-Keynotes
P-ANNO-LABL	Plumbing-Annotation-Labels
P-ANNO-MARK	Plumbing-Annotation-Markers
P-ANNO-MATC	Plumbing-Annotation-Match Lines
P-ANNO-NOTE	Plumbing-Annotation-Notes
P-ANNO-NPLT	Plumbing-Annotation-Non Plotting Info
P-ANNO-PATT	Plumbing-Annotation-Hatch Pattern
P-ANNO-RDME	Plumbing-Annotation-Readme Layer
P-ANNO-REDL	Plumbing-Annotation-Redlines
P-ANNO-REFR	Plumbing-Annotation-Reference Files
P-ANNO-REVC	Plumbing-Annotation-Revision Clouds
P-ANNO-REVS	Plumbing-Annotation-Revisions
P-ANNO-SYMB	Plumbing-Annotation-Reference Symbols
P-ANNO-TABL	Plumbing-Annotation-Data Tables

P-ANNO-TEXT	Plumbing-Annotation-Text
<b>P-DOMW</b>	<b>Plumbing-Domestic Water Systems</b>
P-DOMW-BRNG	Plumbing-Domestic Water Systems-Bearings – <b>Pipe Supports, Hangers</b>
P-DOMW-CPIP	Plumbing-Domestic Water Systems- <b>Cold Water Piping – Incl. Schematics</b>
P-DOMW-DIMS	Plumbing-Domestic Water Systems-Dimensions
P-DOMW-EQPM	Plumbing-Domestic Water Systems-Equipment – <b>Hot Water Tank</b>
P-DOMW-HPIP	Plumbing-Domestic Water Systems- <b>Hot Water Piping</b>
P-DOMW-IDEN	Plumbing-Domestic Water Systems-Identification – <b>Including Schematics</b>
P-DOMW-KEYN	Plumbing-Domestic Water Systems-Keynotes
P-DOMW-LABL	Plumbing-Domestic Water Systems-Labels
P-DOMW-MARK	Plumbing-Domestic Water Systems-Markers
P-DOMW-MATC	Plumbing-Domestic Water Systems-Match Lines
P-DOMW-NOTE	Plumbing-Domestic Water Systems-Notes
P-DOMW-NPLT	Plumbing-Domestic Water Systems-Non Plotting Info
P-DOMW-PATT	Plumbing-Domestic Water Systems-Hatch Pattern
P-DOMW-RDME	Plumbing-Domestic Water Systems-Readme Layer
P-DOMW-REDL	Plumbing-Domestic Water Systems-Redlines
P-DOMW-REFR	Plumbing-Domestic Water Systems-Reference Files
P-DOMW-REVC	Plumbing-Domestic Water Systems-Revision Clouds
P-DOMW-REVS	Plumbing-Domestic Water Systems-Revisions
P-DOMW-RISR	Plumbing-Domestic Water Systems- <b>Hot and Cold Risers</b>
P-DOMW-RPIP	Plumbing-Domestic Water Systems- <b>Hot Water Recirculation Piping</b>
P-DOMW-SYMB	Plumbing-Domestic Water Systems-Reference Symbols
P-DOMW-TABL	Plumbing-Domestic Water Systems-Data Tables
P-DOMW-TEXT	Plumbing-Domestic Water Systems- <b>Text</b>
<b>P-MDGS</b>	<b>Plumbing-Medical Gas Systems</b>
P-MDGS-BRNG	Plumbing-Medical Gas Systems-Bearings
P-MDGS-CAIR	Plumbing-Medical Gas Systems-Compressed Air
P-MDGS-DIMS	Plumbing-Medical Gas Systems-Dimensions
P-MDGS-EQPM	Plumbing-Medical Gas Systems-Equipment
P-MDGS-IDEN	Plumbing-Medical Gas Systems-Identification
P-MDGS-KEYN	Plumbing-Medical Gas Systems-Keynotes
P-MDGS-LABL	Plumbing-Medical Gas Systems-Labels
P-MDGS-MARK	Plumbing-Medical Gas Systems-Markers
P-MDGS-MATC	Plumbing-Medical Gas Systems-Match Lines
P-MDGS-NITG	Plumbing-Medical Gas Systems-Nitrogen

P-MDGS-NOTE	Plumbing-Medical Gas Systems-Notes
P-MDGS-NOXG	Plumbing-Medical Gas Systems-Nitrous Oxide
P-MDGS-NPLT	Plumbing-Medical Gas Systems-Non Plotting Info
P-MDGS-OXYG	Plumbing-Medical Gas Systems-Pure Oxygen
P-MDGS-PATT	Plumbing-Medical Gas Systems-Hatch Pattern
P-MDGS-PIPE	Plumbing-Medical Gas Systems-Piping
P-MDGS-RDME	Plumbing-Medical Gas Systems-Readme Layer
P-MDGS-REDL	Plumbing-Medical Gas Systems-Redlines
P-MDGS-REFR	Plumbing-Medical Gas Systems-Reference Files
P-MDGS-REVC	Plumbing-Medical Gas Systems-Revision Clouds
P-MDGS-REVS	Plumbing-Medical Gas Systems-Revisions
P-MDGS-SAIR	Plumbing-Medical Gas Systems-Scavenge Air
P-MDGS-SYMB	Plumbing-Medical Gas Systems-Reference Symbols
P-MDGS-TABL	Plumbing-Medical Gas Systems-Data Tables
P-MDGS-TEXT	Plumbing-Medical Gas Systems-Text
P-MDGS-VACU	Plumbing-Medical Gas Systems-Medical Vacuum
<b>P-SANR</b>	<b>Plumbing-Sanitary Drainage Systems</b>

P-SANR-BRNG	Plumbing-Sanitary Drainage Systems-Bearings
P-SANR-DIMS	Plumbing-Sanitary Drainage Systems-Dimensions
P-SANR-EQPM	Plumbing-Sanitary Drainage Systems-Equipment – <b>Oil Interceptors Inside Buildings, Sumps</b>
P-SANR-FIXT	Plumbing-Sanitary Drainage Systems-Plumbing Fixtures
P-SANR-FLDR	Plumbing-Sanitary Drainage Systems-Floor Drains – Incl. Sumps
P-SANR-IDEN	Plumbing-Sanitary Drainage Systems-Identification
P-SANR-KEYN	Plumbing-Sanitary Drainage Systems-Keynotes
P-SANR-LABL	Plumbing-Sanitary Drainage Systems-Labels
P-SANR-MARK	Plumbing-Sanitary Drainage Systems-Markers
P-SANR-MATC	Plumbing-Sanitary Drainage Systems-Match Lines
P-SANR-NOTE	Plumbing-Sanitary Drainage Systems-Notes
P-SANR-NPLT	Plumbing-Sanitary Drainage Systems-Non Plotting Info
P-SANR-PATT	Plumbing-Sanitary Drainage Systems-Hatch Pattern
P-SANR-PIPE	Plumbing-Sanitary Drainage Systems- <b>Piping</b>
P-SANR-RDME	Plumbing-Sanitary Drainage Systems-Readme Layer
P-SANR-REDL	Plumbing-Sanitary Drainage Systems-Redlines
P-SANR-REFR	Plumbing-Sanitary Drainage Systems-Reference Files
P-SANR-REVC	Plumbing-Sanitary Drainage Systems-Revision Clouds
P-SANR-REVS	Plumbing-Sanitary Drainage Systems-Revisions
P-SANR-RISR	Plumbing-Sanitary Drainage Systems- <b>Risers</b>
P-SANR-SYMB	Plumbing-Sanitary Drainage Systems-Reference Symbols
P-SANR-TABL	Plumbing-Sanitary Drainage Systems-Data Tables

P-SANR-TEXT	Plumbing-Sanitary Drainage Systems-Text
P-SANR-VENT	Plumbing-Sanitary Drainage Systems- <b>Vent Piping</b>
<b>P-STRM</b>	<b>Plumbing-Storm Drainage Systems</b>

P-STRM-BRNG	Plumbing-Storm Drainage Systems-Bearings- <b>Water Recovery Tanks</b>
P-STRM-DIMS	Plumbing-Storm Drainage Systems-Dimensions
P-STRM-FLDR	Plumbing-Storm Drainage Systems- <b>Floor Drains</b>
P-STRM-IDEN	Plumbing-Storm Drainage Systems-Identification - <b>Storm Grates on Plan, Cisterns on Plan</b>
P-STRM-KEYN	Plumbing-Storm Drainage Systems-Keynotes
P-STRM-LABL	Plumbing-Storm Drainage Systems-Labels
P-STRM-MARK	Plumbing-Storm Drainage Systems-Markers
P-STRM-MATC	Plumbing-Storm Drainage Systems-Match Lines
P-STRM-NOTE	Plumbing-Storm Drainage Systems-Notes
P-STRM-NPLT	Plumbing-Storm Drainage Systems-Non Plotting Info
P-STRM-PATT	Plumbing-Storm Drainage Systems-Hatch Pattern
P-STRM-PIPE	Plumbing-Storm Drainage Systems- <b>Piping</b>
P-STRM-RDME	Plumbing-Storm Drainage Systems-Readme Layer
P-STRM-REDL	Plumbing-Storm Drainage Systems-Redlines
P-STRM-REFR	Plumbing-Storm Drainage Systems-Reference Files
P-STRM-REVC	Plumbing-Storm Drainage Systems-Revision Clouds
P-STRM-REVS	Plumbing-Storm Drainage Systems-Revisions
P-STRM-RFDR	Plumbing-Storm Drainage Systems- <b>Roof Drains</b>
P-STRM-RISR	Plumbing-Storm Drainage Systems- <b>Risers</b>
P-STRM-SYMB	Plumbing-Storm Drainage Systems-Reference Symbols
P-STRM-TABL	Plumbing-Storm Drainage Systems-Data Tables
P-STRM-TEXT	Plumbing-Storm Drainage Systems-Text

### 7.14 Real Estate Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>R- Real Estate Layers for Space Take Offs and Planning</b>	
R-BLDG-GROS	Construction Gross Polyline
R-BLDG-COMN	Building Common Areas
R-FLOR-COMN	Floor Common Polyline
R-FLOR-GROS	Floor Gross Polyline



R-FLOR-IDEN	Room Numbers
R-FLOR-PATT	Room Hatching
R-FLOR-ROOM	Room Polylines in Tenant Space.
R-FLOR-SERV	Room Area Polylines for Building Service Rooms
R-FLOR-STRS	Elevators, Stairs and Escalator Polylines
R-FLOR-VERT	Vertical Penetration Polylines

### 7.15 Structural Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>S-ANNO</b>	<b>Structural-Annotation</b>
S-ANNO-ABLT	Structural-Annotation-Anchor Bolts
S-ANNO-BRNG	Structural-Annotation-Bearings – <b>Snow Drift Accumulation Profiles</b>
S-ANNO-DIMS	Structural-Annotation-Dimensions
S-ANNO-GRAT	Structural-Annotation-Grates
S-ANNO-GRAT-OVHD	Structural-Annotation-Grates Overhead
S-ANNO-IDEN	Structural-Annotation-Identification
S-ANNO-KEYN	Structural-Annotation-Keynotes
S-ANNO-LABL	Structural-Annotation-Labels
S-ANNO-MARK	Structural-Annotation-Markers
S-ANNO-MATC	Structural-Annotation-Match Lines
S-ANNO-METL	Structural-Annotation-Metals
S-ANNO-NOTE	Structural-Annotation-Notes
S-ANNO-NPLT	Structural-Annotation-Non Plotting Info
S-ANNO-PATT	Structural-Annotation-Hatch Pattern
S-ANNO-RBAR	Structural-Annotation-Reinforcing Bar
S-ANNO-RBAR-BOT1	Structural-Annotation-Reinforcing Bar-Bottom Group 1
S-ANNO-RBAR-BOT2	Structural-Annotation-Reinforcing Bar-Bottom Group 2
S-ANNO-RBAR-TOP1	Structural-Annotation-Reinforcing Bar-Top Group 1
S-ANNO-RBAR-TOP2	Structural-Annotation-Reinforcing Bar-Top Group 2
S-ANNO-RDME	Structural-Annotation-Readme Layer
S-ANNO-REDL	Structural-Annotation-Redlines

S-ANNO-REFR	Structural-Annotation-Reference Files
S-ANNO-REVC	Structural-Annotation-Revision Clouds
S-ANNO-REVS	Structural-Annotation-Revisions
S-ANNO-SYMB	Structural-Annotation-Reference Symbols
S-ANNO-TABL	Structural-Annotation-Data Tables
S-ANNO-TEXT	Structural-Annotation-Text
<b>S-BEAM</b>	<b>Structural-Beams</b>

S-BEAM-ABLT	Structural-Beams-Anchor Bolts
S-BEAM-ALUM	Structural-Beams-Aluminum
S-BEAM-BRNG	Structural-Beams-Bearings – <b>Beam Shear Value on Plan</b>
S-BEAM-CONC	Structural-Beams-Concrete
S-BEAM-DIMS	Structural-Beams-Dimensions
S-BEAM-GRAT	Structural-Beams-Grates
S-BEAM-GRAT-OVHD	Structural-Beams-Grates Overhead
S-BEAM-IDEN	Structural-Beams-Identification
S-BEAM-KEYN	Structural-Beams-Keynotes
S-BEAM-LABL	Structural-Beams-Labels - <b>Beam Name on Plan ie; 12WF27</b>
S-BEAM-MARK	Structural-Beams-Markers
S-BEAM-MATC	Structural-Beams-Match Lines
S-BEAM-METL	Structural-Beams-Metals
S-BEAM-NOTE	Structural-Beams-Notes
S-BEAM-NPLT	Structural-Beams-Non Plotting Info
S-BEAM-PATT	Structural-Beams-Hatch Pattern
S-BEAM-RBAR	Structural-Beams-Reinforcing Bar
S-BEAM-RBAR-BOT1	Structural-Beams-Reinforcing Bar-Bottom Group 1
S-BEAM-RBAR-BOT2	Structural-Beams-Reinforcing Bar-Bottom Group 2
S-BEAM-RBAR-TOP1	Structural-Beams-Reinforcing Bar-Top Group 1
S-BEAM-RBAR-TOP2	Structural-Beams-Reinforcing Bar-Top Group 2
S-BEAM-RDME	Structural-Beams-Readme Layer
S-BEAM-REDL	Structural-Beams-Redlines
S-BEAM-REFR	Structural-Beams-Reference Files
S-BEAM-REVC	Structural-Beams-Revision Clouds
S-BEAM-REVS	Structural-Beams-Revisions
S-BEAM-STEL	Structural- <b>Beams-Steel – Lintels on Plan</b>
S-BEAM-SYMB	Structural-Beams-Reference Symbols
S-BEAM-TABL	Structural-Beams-Data Tables
S-BEAM-TEXT	Structural-Beams-Text

S-BEAM-WOOD	Structural-Beams-Wood
<b>S-BRAC</b>	<b>Structural-Bracing</b>
S-BRAC-ABLT	Structural-Bracing-Anchor Bolts
S-BRAC-ALUM	Structural-Bracing-Aluminum
S-BRAC-ALUM-HORZ	Structural-Bracing-Aluminum Horizontal
S-BRAC-ALUM-VERT	Structural-Bracing-Aluminum Vertical
S-BRAC-BRNG	Structural-Bracing-Bearings
S-BRAC-DIMS	Structural-Bracing-Dimensions
S-BRAC-GRAT	Structural-Bracing-Grates
S-BRAC-GRAT-OVHD	Structural-Bracing-Grates Overhead
S-BRAC-IDEN	Structural-Bracing-Identification – <b>Foundation Wall Shoring</b>
S-BRAC-KEYN	Structural-Bracing-Keynotes
S-BRAC-LABL	Structural-Bracing-Labels
S-BRAC-MARK	Structural-Bracing-Markers
S-BRAC-MATC	Structural-Bracing-Match Lines
S-BRAC-METL	Structural-Bracing-Metals
S-BRAC-NOTE	Structural-Bracing-Notes
S-BRAC-NPLT	Structural-Bracing-Non Plotting Info
S-BRAC-PATT	Structural-Bracing-Hatch Pattern
S-BRAC-RBAR	Structural-Bracing-Reinforcing Bar – <b>Rebars on Plan</b>
S-BRAC-RBAR-BOT1	Structural-Bracing-Reinforcing Bar-Bottom Group 1
S-BRAC-RBAR-BOT2	Structural-Bracing-Reinforcing Bar-Bottom Group 2
S-BRAC-RBAR-TOP1	Structural-Bracing-Reinforcing Bar-Top Group 1
S-BRAC-RBAR-TOP2	Structural-Bracing-Reinforcing Bar-Top Group 2
S-BRAC-RDME	Structural-Bracing-Readme Layer
S-BRAC-REDL	Structural-Bracing-Redlines
S-BRAC-REFR	Structural-Bracing-Reference Files
S-BRAC-REVC	Structural-Bracing-Revision Clouds
S-BRAC-REVS	Structural-Bracing-Revisions
S-BRAC-STEL	Structural-Bracing-Steel
S-BRAC-STEL-HORZ	Structural-Bracing-Steel Horizontal
S-BRAC-STEL-VERT	Structural-Bracing-Steel Vertical
S-BRAC-SYMB	Structural-Bracing-Reference Symbols
S-BRAC-TABL	Structural-Bracing-Data Tables
S-BRAC-TEXT	Structural-Bracing-Text
S-BRAC-WOOD	Structural-Bracing-Wood – <b>Plywood Bracing in Walls</b>
S-BRAC-WOOD-HORZ	Structural-Bracing-Wood Horizontal

S-BRAC-WOOD-VERT	Structural-Bracing-Wood Vertical
<b>S-COLS</b>	<b>Structural-Columns</b>
S-COLS-ABLT	Structural-Columns-Anchor Bolts
S-COLS-ALUM	Structural-Columns-Aluminum
S-COLS-BRNG	Structural-Columns-Bearings
S-COLS-CONC	Structural- <b>Columns-Concrete</b>
S-COLS-DIMS	Structural-Columns-Dimensions
S-COLS-GRAT	Structural-Columns-Grates
S-COLS-GRAT-OVHD	Structural-Columns-Grates Overhead
S-COLS-IDEN	Structural-Columns-Identification
S-COLS-KEYN	Structural-Columns-Keynotes
S-COLS-LABL	Structural-Columns-Labels
S-COLS-MARK	Structural-Columns-Markers
S-COLS-MATC	Structural-Columns-Match Lines
S-COLS-METL	Structural-Columns-Metals
S-COLS-NOTE	Structural-Columns-Notes
S-COLS-NPLT	Structural-Columns-Non Plotting Info
S-COLS-PATT	Structural- <b>Columns-Hatch Pattern</b>
S-COLS-RBAR	Structural-Columns-Reinforcing Bar
S-COLS-RBAR-BOT1	Structural-Columns-Reinforcing Bar-Bottom Group 1
S-COLS-RBAR-BOT2	Structural-Columns-Reinforcing Bar-Bottom Group 2
S-COLS-RBAR-TOP1	Structural-Columns-Reinforcing Bar-Top Group 1
S-COLS-RBAR-TOP2	Structural-Columns-Reinforcing Bar-Top Group 2
S-COLS-RDME	Structural-Columns-Readme Layer
S-COLS-REDL	Structural-Columns-Redlines
S-COLS-REFR	Structural-Columns-Reference Files
S-COLS-REVC	Structural-Columns-Revision Clouds
S-COLS-REVS	Structural-Columns-Revisions
S-COLS-STEL	Structural-Columns- <b>Steel</b>
S-COLS-SYMB	Structural-Columns-Reference Symbols
S-COLS-TABL	Structural-Columns-Data Tables
S-COLS-TEXT	Structural-Columns-Text
S-COLS-WOOD	Structural-Columns- <b>Wood</b>
<b>S-DECK</b>	<b>Structural-Structural Deck</b>
S-DECK-ABLT	Structural-Structural Deck-Anchor Bolts – <b>Roof Anchor Bolts</b>

S-DECK-BRNG	Structural-Structural Deck-Bearings
S-DECK-DIMS	Structural-Structural Deck-Dimensions
S-DECK-FLOR	Structural-Structural Deck-Floor
S-DECK-FLOR-OPNG	Structural-Structural Deck-Floor Openings
S-DECK-GRAT	Structural-Structural Deck-Grates – <b>Exhaust Grate on Civil Plans</b>
S-DECK-GRAT-OVHD	Structural-Structural Deck-Grates Overhead
S-DECK-IDEN	Structural-Structural Deck-Identification
S-DECK-KEYN	Structural-Structural Deck-Keynotes
S-DECK-LABL	Structural-Structural Deck-Labels
S-DECK-MARK	Structural-Structural Deck-Markers
S-DECK-MATC	Structural-Structural Deck-Match Lines
S-DECK-METL	Structural-Structural Deck-Metals – <b>Steel Equipment Supports and Interior Catwalks</b>
S-DECK-NOTE	Structural-Structural Deck-Notes
S-DECK-NPLT	Structural-Structural Deck-Non Plotting Info
S-DECK-PATT	Structural-Structural Deck-Hatch Pattern
S-DECK-RBAR	Structural-Structural Deck-Reinforcing Bar
S-DECK-RBAR-BOT1	Structural-Structural Deck-Reinforcing Bar-Bottom Group 1
S-DECK-RBAR-BOT2	Structural-Structural Deck-Reinforcing Bar-Bottom Group 2
S-DECK-RBAR-TOP1	Structural-Structural Deck-Reinforcing Bar-Top Group 1
S-DECK-RBAR-TOP2	Structural-Structural Deck-Reinforcing Bar-Top Group 2
S-DECK-RDME	Structural-Structural Deck-Readme Layer
S-DECK-REDL	Structural-Structural Deck-Redlines
S-DECK-REFR	Structural-Structural Deck-Reference Files
S-DECK-REVC	Structural-Structural Deck-Revision Clouds
S-DECK-REVS	Structural-Structural Deck-Revisions
S-DECK-ROOF	Structural-Structural Deck-Roof
S-DECK-ROOF-OPNG	Structural-Structural Deck-Roof Openings – <b>Roof Openings on Roof Plan</b>
S-DECK-SYMB	Structural-Structural Deck-Reference Symbols
S-DECK-TABL	Structural-Structural Deck-Data Tables
S-DECK-TEXT	Structural-Structural Deck-Text
<b>S-FNDN</b>	<b>Structural-Foundation</b>
S-FNDN-ABLT	Structural-Foundation-Anchor Bolts
S-FNDN-BRNG	Structural-Foundation-Bearings – <b>Foundation Walls</b>
S-FNDN-DIMS	Structural-Foundation-Dimensions
S-FNDN-FTNG	Structural-Foundation-Footings

S-FNDN-GRAT	Structural-Foundation-Grates
S-FNDN-GRAT-OVHD	Structural-Foundation-Grates Overhead
S-FNDN-GRBM	Structural-Foundation-Grade Beams
S-FNDN-IDEN	Structural-Foundation-Identification
S-FNDN-KEYN	Structural-Foundation-Keynotes
S-FNDN-LABL	Structural-Foundation-Labels
S-FNDN-MARK	Structural-Foundation-Markers
S-FNDN-MATC	Structural-Foundation-Match Lines
S-FNDN-METL	Structural-Foundation-Metals
S-FNDN-NOTE	Structural-Foundation-Notes
S-FNDN-NPLT	Structural-Foundation-Non Plotting Info
S-FNDN-PATT	Structural-Foundation-Hatch Pattern
S-FNDN-PCAP	Structural-Foundation-Pile Caps
S-FNDN-PIER	Structural-Foundation-Drilled Piers – <b>Bollards Inside Building – Flag Pole Footings</b>
S-FNDN-PILE	Structural-Foundation-Piles - <b>Sonotubes on Plan</b>
S-FNDN-RBAR	Structural-Foundation-Reinforcing Bar
S-FNDN-RBAR	Structural-Foundation-Reinforcing Bar
S-FNDN-RBAR-BOT1	Structural-Foundation-Reinforcing Bar-Bottom Group 1
S-FNDN-RBAR-BOT2	Structural-Foundation-Reinforcing Bar-Bottom Group 2
S-FNDN-RBAR-TOP1	Structural-Foundation-Reinforcing Bar-Top Group 1
S-FNDN-RBAR-TOP2	Structural-Foundation-Reinforcing Bar-Top Group 2
S-FNDN-RDME	Structural-Foundation-Readme Layer
S-FNDN-REDL	Structural-Foundation-Redlines
S-FNDN-REFR	Structural-Foundation-Reference Files
S-FNDN-REVC	Structural-Foundation-Revision Clouds
S-FNDN-REVS	Structural-Foundation-Revisions
S-FNDN-SYMB	Structural-Foundation-Reference Symbols – <b>Foundation Insulation</b>
S-FNDN-TABL	Structural-Foundation-Data Tables
S-FNDN-TEXT	Structural-Foundation-Text
<b>S-GRID</b>	<b>Structural-Column Grid</b>

S-GRID-ABLT	Structural-Column Grid-Anchor Bolts
S-GRID-BRNG	Structural-Column Grid-Bearings
S-GRID-DIMS	Structural-Column Grid-Dimensions
S-GRID-EXTR	Structural-Column Grid-Exterior Columns – <b>Structural Grid Lines Outside Building</b>
S-GRID-GRAT	Structural-Column Grid-Grates
S-GRID-GRAT-OVHD	Structural-Column Grid-Grates Overhead

S-GRID-IDEN	Structural-Column Grid-Identification – <b>Structural Grid Bubbles &amp; Text</b>
S-GRID-INTR	Structural-Column Grid-Interior Columns – <b>Structural Grid Lines Inside Building</b>
S-GRID-KEYN	Structural-Column Grid-Keynotes
S-GRID-LABL	Structural-Column Grid-Labels
S-GRID-MARK	Structural-Column Grid-Markers
S-GRID-MATC	Structural-Column Grid-Match Lines
S-GRID-METL	Structural-Column Grid-Metals
S-GRID-NOTE	Structural-Column Grid-Notes
S-GRID-NPLT	Structural-Column Grid-Non Plotting Info
S-GRID-PATT	Structural-Column Grid-Hatch Pattern
S-GRID-RBAR	Structural-Column Grid-Reinforcing Bar
S-GRID-RBAR-BOT1	Structural-Column Grid-Reinforcing Bar-Bottom Group 1
S-GRID-RBAR-BOT2	Structural-Column Grid-Reinforcing Bar-Bottom Group 2
S-GRID-RBAR-TOP1	Structural-Column Grid-Reinforcing Bar-Top Group 1
S-GRID-RBAR-TOP2	Structural-Column Grid-Reinforcing Bar-Top Group 2
S-GRID-RDME	Structural-Column Grid-Readme Layer
S-GRID-REDL	Structural-Column Grid-Redlines
S-GRID-REFR	Structural-Column Grid-Reference Files
S-GRID-REVC	Structural-Column Grid-Revision Clouds
S-GRID-REVS	Structural-Column Grid-Revisions
S-GRID-SYMB	Structural-Column Grid-Reference Symbols
S-GRID-TABL	Structural-Column Grid-Data Tables
S-GRID-TEXT	Structural-Column Grid-Text
<b>S-JNTS</b>	<b>Structural-Joints</b>
S-JNTS-ABLT	Structural-Joints-Anchor Bolts
S-JNTS-BRGX	Structural-Joints-Bridging
S-JNTS-BRNG	Structural-Joints-Bearings
S-JNTS-CNTJ	Structural-Joints-Construction
S-JNTS-CTLJ	Structural-Joints-Control – <b>Inside Control Joints</b>
S-JNTS-DIMS	Structural-Joints-Dimensions
S-JNTS-EXPJ	Structural- <b>Joints-Expansion</b>
S-JNTS-GRAT	Structural-Joints-Grates
S-JNTS-GRAT-OVHD	Structural-Joints-Grates Overhead
S-JNTS-IDEN	Structural-Joints-Identification
S-JNTS-KEYN	Structural-Joints-Keynotes
S-JNTS-LABL	Structural-Joints-Labels

S-JNTS-MARK	Structural-Joints-Markers
S-JNTS-MATC	Structural-Joints-Match Lines
S-JNTS-METL	Structural-Joints-Metals
S-JNTS-NOTE	Structural-Joints-Notes
S-JNTS-NPLT	Structural-Joints-Non Plotting Info
S-JNTS-PATT	Structural-Joints-Hatch Pattern
S-JNTS-RBAR	Structural-Joints-Reinforcing Bar
S-JNTS-RBAR-BOT1	Structural-Joints-Reinforcing Bar-Bottom Group 1
S-JNTS-RBAR-BOT2	Structural-Joints-Reinforcing Bar-Bottom Group 2
S-JNTS-RBAR-TOP1	Structural-Joints-Reinforcing Bar-Top Group 1
S-JNTS-RBAR-TOP2	Structural-Joints-Reinforcing Bar-Top Group 2
S-JNTS-RDME	Structural-Joints-Readme Layer
S-JNTS-REDL	Structural-Joints-Redlines
S-JNTS-REFR	Structural-Joints-Reference Files
S-JNTS-REVC	Structural-Joints-Revision Clouds
S-JNTS-REVS	Structural-Joints-Revisions
S-JNTS-SYMB	Structural-Joints-Reference Symbols – <b>Wood Joists</b>
S-JNTS-TABL	Structural-Joints-Data Tables
S-JNTS-TEXT	Structural-Joints-Text
<b>S-JOIS</b>	<b>Structural-Joists</b>

S-JOIS-ABLT	Structural-Joists-Anchor Bolts
S-JOIS-BRNG	Structural-Joists-Bearings
S-JOIS-DIMS	Structural-Joists-Dimensions
S-JOIS-GRAT	Structural-Joists-Grates
S-JOIS-GRAT-OVHD	Structural-Joists-Grates Overhead
S-JOIS-IDEN	Structural-Joists-Identification
S-JOIS-KEYN	Structural-Joists-Keynotes
S-JOIS-LABL	Structural-Joists-Labels
S-JOIS-MARK	Structural-Joists-Markers
S-JOIS-MATC	Structural-Joists-Match Lines
S-JOIS-METL	Structural-Joists-Metals
S-JOIS-NOTE	Structural-Joists-Notes
S-JOIS-NPLT	Structural-Joists-Non Plotting Info
S-JOIS-PATT	Structural-Joists-Hatch Pattern
S-JOIS-RBAR	Structural-Joists-Reinforcing Bar
S-JOIS-RBAR-BOT1	Structural-Joists-Reinforcing Bar-Bottom Group 1
S-JOIS-RBAR-BOT2	Structural-Joists-Reinforcing Bar-Bottom Group 2



S-JOIS-RBAR-TOP1	Structural-Joists-Reinforcing Bar-Top Group 1
S-JOIS-RBAR-TOP2	Structural-Joists-Reinforcing Bar-Top Group 2
S-JOIS-RDME	Structural-Joists-Readme Layer
S-JOIS-REDL	Structural-Joists-Redlines
S-JOIS-REFR	Structural-Joists-Reference Files
S-JOIS-REVC	Structural-Joists-Revision Clouds
S-JOIS-REVS	Structural-Joists-Revisions
S-JOIS-SYMB	Structural-Joists-Reference Symbols – <b>Wood Joists</b>
S-JOIS-TABL	Structural-Joists-Data Tables
S-JOIS-TEXT	Structural-Joists-Text
<b>S-PROP</b>	<b>Structural-Property Lines</b>

S-PROP-ABLT	Structural-Property Lines-Anchor Bolts
S-PROP-BRNG	Structural-Property Lines-Bearings
S-PROP-DIMS	Structural-Property Lines-Dimensions
S-PROP-GRAT	Structural-Property Lines-Grates
S-PROP-GRAT-OVHD	Structural-Property Lines-Grates Overhead
S-PROP-IDEN	Structural-Property Lines-Identification
S-PROP-KEYN	Structural-Property Lines-Keynotes
S-PROP-LABL	Structural-Property Lines-Labels
S-PROP-MARK	Structural-Property Lines-Markers
S-PROP-MATC	Structural-Property Lines-Match Lines
S-PROP-METL	Structural-Property Lines-Metals
S-PROP-NOTE	Structural-Property Lines-Notes
S-PROP-NPLT	Structural-Property Lines-Non Plotting Info
S-PROP-PATT	Structural-Property Lines-Hatch Pattern
S-PROP-RBAR	Structural-Property Lines-Reinforcing Bar
S-PROP-RBAR-BOT1	Structural-Property Lines-Reinforcing Bar-Bottom Group 1
S-PROP-RBAR-BOT2	Structural-Property Lines-Reinforcing Bar-Bottom Group 2
S-PROP-RBAR-TOP1	Structural-Property Lines-Reinforcing Bar-Top Group 1
S-PROP-RBAR-TOP2	Structural-Property Lines-Reinforcing Bar-Top Group 2
S-PROP-RDME	Structural-Property Lines-Readme Layer
S-PROP-REDL	Structural-Property Lines-Redlines
S-PROP-REFR	Structural-Property Lines-Reference Files
S-PROP-REVC	Structural-Property Lines-Revision Clouds
S-PROP-REVS	Structural-Property Lines-Revisions
S-PROP-SYMB	Structural-Property Lines-Reference Symbols
S-PROP-TABL	Structural-Property Lines-Data Tables

S-PROP-TEXT	Structural-Property Lines-Text
<b>S-SLAB</b>	<b>Structural-Slab</b>
S-SLAB-ABLT	Structural-Slab-Anchor Bolts – <b>Steel Dowels On Plan</b>
S-SLAB-BRNG	Structural-Slab-Bearings
S-SLAB-CONC	Structural-Slab-Cast in Place Concrete Slab – <b>Equipment Pads on Plan or Mech Elevations</b>
S-SLAB-DIMS	Structural-Slab-Dimensions
S-SLAB-EDGE	Structural-Slab-Edge of Slab
S-SLAB-GRAT	Structural-Slab-Grates
S-SLAB-GRAT-OVHD	Structural-Slab-Grates Overhead
S-SLAB-IDEN	Structural-Slab-Identification
S-SLAB-KEYN	Structural-Slab-Keynotes
S-SLAB-LABL	Structural-Slab-Labels
S-SLAB-MARK	Structural-Slab-Markers
S-SLAB-MATC	Structural-Slab-Match Lines
S-SLAB-METL	Structural-Slab-Metals – Exterior Steel Stairs
S-SLAB-NOTE	Structural-Slab-Notes
S-SLAB-NPLT	Structural-Slab-Non Plotting Info
S-SLAB-OPNG	Structural-Slab-Openings and Depressions – <b>Saw Cuts on Plan</b>
S-SLAB-OPNX	Structural-Slab-Opening Indication Mark
S-SLAB-PATT	Structural-Slab-Hatch Pattern
S-SLAB-RBAR	Structural-Slab-Reinforcing Bar
S-SLAB-RBAR-BOT1	Structural-Slab-Reinforcing Bar-Bottom Group 1
S-SLAB-RBAR-BOT2	Structural-Slab-Reinforcing Bar-Bottom Group 2
S-SLAB-RBAR-TOP1	Structural-Slab-Reinforcing Bar-Top Group 1
S-SLAB-RBAR-TOP2	Structural-Slab-Reinforcing Bar-Top Group 2
S-SLAB-RDME	Structural-Slab-Readme Layer
S-SLAB-REDL	Structural-Slab-Redlines
S-SLAB-REFR	Structural-Slab-Reference Files
S-SLAB-REVC	Structural-Slab-Revision Clouds
S-SLAB-REVS	Structural-Slab-Revisions
S-SLAB-STEL	Structural-Slab-Steel Slab
S-SLAB-SYMB	Structural-Slab-Reference Symbols
S-SLAB-TABL	Structural-Slab-Data Tables
S-SLAB-TEXT	Structural-Slab-Text
S-SLAB-WOOD	Structural-Slab-Wood Slab

<b>S-STRS</b>	<b>Structural-Stairs</b>
---------------	--------------------------

S-STRS-ABLT	Structural-Stairs-Anchor Bolts
S-STRS-BRNG	Structural-Stairs-Bearings
S-STRS-DIMS	Structural-Stairs-Dimensions
S-STRS-GRAT	Structural-Stairs-Grates
S-STRS-GRAT-OVHD	Structural-Stairs-Grates Overhead
S-STRS-IDEN	Structural-Stairs-Identification
S-STRS-KEYN	Structural-Stairs-Keynotes
S-STRS-LABL	Structural-Stairs-Labels
S-STRS-LADD	Structural-Stairs-Ladders and Ladder Assemblies
S-STRS-MARK	Structural-Stairs-Markers
S-STRS-MATC	Structural-Stairs-Match Lines
S-STRS-METL	Structural-Stairs-Metals – <b>Exterior Steel Stairs</b>
S-STRS-NOTE	Structural-Stairs-Notes
S-STRS-NPLT	Structural-Stairs-Non Plotting Info
S-STRS-PATT	Structural-Stairs-Hatch Pattern
S-STRS-RBAR	Structural-Stairs-Reinforcing Bar
S-STRS-RBAR-BOT1	Structural-Stairs-Reinforcing Bar-Bottom Group 1
S-STRS-RBAR-BOT2	Structural-Stairs-Reinforcing Bar-Bottom Group 2
S-STRS-RBAR-TOP1	Structural-Stairs-Reinforcing Bar-Top Group 1
S-STRS-RBAR-TOP2	Structural-Stairs-Reinforcing Bar-Top Group 2
S-STRS-RDME	Structural-Stairs-Readme Layer
S-STRS-REDL	Structural-Stairs-Redlines
S-STRS-REFR	Structural-Stairs-Reference Files
S-STRS-REVC	Structural-Stairs-Revision Clouds
S-STRS-REVS	Structural-Stairs-Revisions
S-STRS-SYMB	Structural-Stairs-Reference Symbols
S-STRS-TABL	Structural-Stairs-Data Tables
S-STRS-TEXT	Structural-Stairs-Text

<b>S-TRUS</b>	<b>Structural-Trusses</b>
---------------	---------------------------

S-TRUS-ABLT	Structural-Trusses-Anchor Bolts
S-TRUS-BRNG	Structural-Trusses-Bearings
S-TRUS-DIMS	Structural-Trusses-Dimensions
S-TRUS-GRAT	Structural-Trusses-Grates
S-TRUS-GRAT-OVHD	Structural-Trusses-Grates Overhead
S-TRUS-IDEN	Structural-Trusses-Identification
S-TRUS-KEYN	Structural-Trusses-Keynotes

S-TRUS-LABL	Structural-Trusses-Labels
S-TRUS-MARK	Structural-Trusses-Markers
S-TRUS-MATC	Structural-Trusses-Match Lines
S-TRUS-METL	Structural-Trusses-Metals – <b>OWSJ Layout on Plan</b>
S-TRUS-NOTE	Structural-Trusses-Notes
S-TRUS-NPLT	Structural-Trusses-Non Plotting Info
S-TRUS-PATT	Structural-Trusses-Hatch Pattern
S-TRUS-RBAR	Structural-Trusses-Reinforcing Bar
S-TRUS-RBAR-BOT1	Structural-Trusses-Reinforcing Bar-Bottom Group 1
S-TRUS-RBAR-BOT2	Structural-Trusses-Reinforcing Bar-Bottom Group 2
S-TRUS-RBAR-TOP1	Structural-Trusses-Reinforcing Bar-Top Group 1
S-TRUS-RBAR-TOP2	Structural-Trusses-Reinforcing Bar-Top Group 2
S-TRUS-RDME	Structural-Trusses-Readme Layer
S-TRUS-REDL	Structural-Trusses-Redlines
S-TRUS-REFR	Structural-Trusses-Reference Files
S-TRUS-REVC	Structural-Trusses-Revision Clouds
S-TRUS-REVS	Structural-Trusses-Revisions
S-TRUS-SYMB	Structural-Trusses-Reference Symbols – <b>Truss Symbols on Plan</b>
S-TRUS-TABL	Structural-Trusses-Data Tables
S-TRUS-TEXT	Structural-Trusses-Text
<b>S-WALL</b>	<b>Structural-Walls</b>

S-WALL-ABLT	Structural-Walls-Anchor Bolts – <b>Steel Dowels for Concrete Walls</b>
S-WALL-BRNG	Structural-Walls-Bearings
S-WALL-CMUW	Structural-Walls-Concrete Masonry Unit
S-WALL-CONC	Structural-Walls-Cast in Place Concrete
S-WALL-DIMS	Structural-Walls-Dimensions
S-WALL-GRAT	Structural-Walls-Grates
S-WALL-GRAT-OVHD	Structural-Walls-Grates Overhead
S-WALL-IDEN	Structural-Walls-Identification
S-WALL-KEYN	Structural-Walls-Keynotes
S-WALL-LABL	Structural-Walls-Labels
S-WALL-MARK	Structural-Walls-Markers
S-WALL-MATC	Structural-Walls-Match Lines
S-WALL-METL	Structural-Walls-Metals – <b>Holding Cell Iron Bar Walls</b>
S-WALL-MSNW	Structural-Walls-Masonry

S-WALL-NOTE	Structural-Walls-Notes
S-WALL-NPLT	Structural-Walls-Non Plotting Info
S-WALL-PATT	Structural-Walls-Hatch Pattern
S-WALL-PCST	Structural-Walls-Pre-Cast Concrete
S-WALL-RBAR	Structural-Walls-Reinforcing Bar
S-WALL-RBAR-BOT1	Structural-Walls-Reinforcing Bar-Bottom Group 1
S-WALL-RBAR-BOT2	Structural-Walls-Reinforcing Bar-Bottom Group 2
S-WALL-RBAR-TOP1	Structural-Walls-Reinforcing Bar-Top Group 1
S-WALL-RBAR-TOP2	Structural-Walls-Reinforcing Bar-Top Group 2
S-WALL-RDME	Structural-Walls-Readme Layer
S-WALL-REDL	Structural-Walls-Redlines
S-WALL-REFR	Structural-Walls-Reference Files
S-WALL-REVC	Structural-Walls-Revision Clouds
S-WALL-REVS	Structural-Walls-Revisions
S-WALL-SHEA	Structural-Walls-Structural Shear Walls
S-WALL-STEL	Structural-Walls- <b>Steel Stud</b>
S-WALL-SYMB	Structural-Walls-Reference Symbols
S-WALL-TABL	Structural-Walls-Data Tables
S-WALL-WOOD	Structural-Walls-Wood

### 7.16 Survey Mapping Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>V-ANNO</b>	<b>Survey Mapping-Annotation</b>
V-ANNO-BRNG	Survey Mapping-Annotation-Bearings
V-ANNO-DIMS	Survey Mapping-Annotation-Dimensions
V-ANNO-IDEN	Survey Mapping-Annotation-Identification
V-ANNO-KEYN	Survey Mapping-Annotation-Keynotes
V-ANNO-LABL	Survey Mapping-Annotation-Labels
V-ANNO-MARK	Survey Mapping-Annotation-Markers
V-ANNO-MATC	Survey Mapping-Annotation-Match Lines
V-ANNO-NOTE	Survey Mapping-Annotation-Notes
V-ANNO-NPLT	Survey Mapping-Annotation-Non Plotting Info
V-ANNO-PATT	Survey Mapping-Annotation-Hatch Pattern

V-ANNO-RDME	Survey Mapping-Annotation-Readme Layer
V-ANNO-REDL	Survey Mapping-Annotation-Redlines
V-ANNO-REFR	Survey Mapping-Annotation-Reference Files
V-ANNO-REVC	Survey Mapping-Annotation-Revision Clouds
V-ANNO-REVS	Survey Mapping-Annotation-Revisions
V-ANNO-SYMB	Survey Mapping-Annotation-Reference Symbols
V-ANNO-TABL	Survey Mapping-Annotation-Data Tables
V-ANNO-TEXT	Survey Mapping-Annotation-Text
<b>V-BLDG Survey Mapping-Buildings and Primary Structures</b>	
V-BLDG-BRNG	Survey Mapping-Buildings and Primary Structures-Bearings
V-BLDG-DECK	Survey Mapping-Buildings and Primary Structures-Outdoor deck
V-BLDG-DIMS	Survey Mapping-Buildings and Primary Structures-Dimensions
V-BLDG-IDEN	Survey Mapping-Buildings and Primary Structures-Identification
V-BLDG-KEYN	Survey Mapping-Buildings and Primary Structures-Keynotes
V-BLDG-LABL	Survey Mapping-Buildings and Primary Structures-Labels
V-BLDG-MARK	Survey Mapping-Buildings and Primary Structures-Markers
V-BLDG-MATC	Survey Mapping-Buildings and Primary Structures-Match Lines
V-BLDG-NOTE	Survey Mapping-Buildings and Primary Structures-Notes
V-BLDG-NPLT	Survey Mapping-Buildings and Primary Structures-Non Plotting Info
V-BLDG-OTLN	Survey Mapping-Buildings and Primary Structures-Outline
V-BLDG-OVHD	Survey Mapping-Buildings and Primary Structures-Overhead or Overhang
V-BLDG-PATT	Survey Mapping-Buildings and Primary Structures-Hatch Pattern
V-BLDG-PRCH	Survey Mapping-Buildings and Primary Structures-Porch
V-BLDG-RDME	Survey Mapping-Buildings and Primary Structures-Readme Layer
V-BLDG-REDL	Survey Mapping-Buildings and Primary Structures-Redlines
V-BLDG-REFR	Survey Mapping-Buildings and Primary Structures-Reference Files
V-BLDG-REVC	Survey Mapping-Buildings and Primary Structures-Revision Clouds
V-BLDG-REVS	Survey Mapping-Buildings and Primary Structures-Revisions
V-BLDG-SYMB	Survey Mapping-Buildings and Primary Structures-Reference Symbols
V-BLDG-TABL	Survey Mapping-Buildings and Primary Structures-Data Tables
V-BLDG-TEXT	Survey Mapping-Buildings and Primary Structures-Text
<b>V-BNDY Survey Mapping-Political Boundaries</b>	
V-BNDY-BORO	Survey Mapping-Political Boundaries-Borough
V-BNDY-BRNG	Survey Mapping-Political Boundaries-Bearings
V-BNDY-CITY	Survey Mapping-Political Boundaries-City
V-BNDY-CNTY	Survey Mapping-Political Boundaries-County

V-BNDY-CORP	Survey Mapping-Political Boundaries-Corporation
V-BNDY-DIMS	Survey Mapping-Political Boundaries-Dimensions
V-BNDY-IDEN	Survey Mapping-Political Boundaries-Identification
V-BNDY-KEYN	Survey Mapping-Political Boundaries-Keynotes
V-BNDY-LABL	Survey Mapping-Political Boundaries-Labels
V-BNDY-MARK	Survey Mapping-Political Boundaries-Markers
V-BNDY-MATC	Survey Mapping-Political Boundaries-Match Lines
V-BNDY-NATL	Survey Mapping-Political Boundaries-National
V-BNDY-NOTE	Survey Mapping-Political Boundaries-Notes
V-BNDY-NPLT	Survey Mapping-Political Boundaries-Non Plotting Info
V-BNDY-PATT	Survey Mapping-Political Boundaries-Hatch Pattern
V-BNDY-POLI	Survey Mapping-Political Boundaries-ALL Political
V-BNDY-PROV	Survey Mapping-Political Boundaries-Provincial
V-BNDY-RDME	Survey Mapping-Political Boundaries-Readme Layer
V-BNDY-REDL	Survey Mapping-Political Boundaries-Redlines
V-BNDY-REFR	Survey Mapping-Political Boundaries-Reference Files
V-BNDY-REVC	Survey Mapping-Political Boundaries-Revision Clouds
V-BNDY-REVS	Survey Mapping-Political Boundaries-Revisions
V-BNDY-STAT	Survey Mapping-Political Boundaries-State
V-BNDY-SYMB	Survey Mapping-Political Boundaries-Reference Symbols
V-BNDY-TABL	Survey Mapping-Political Boundaries-Data Tables
V-BNDY-TEXT	Survey Mapping-Political Boundaries-Text
V-BNDY-TSHP	Survey Mapping-Political Boundaries-Township
V-BNDY-ZONE	Survey Mapping-Political Boundaries-Zoning

<b>V-BRDG</b>	<b>Survey Mapping-Bridge</b>
V-BRDG-BENT	Survey Mapping-Bridge-Top of Bent
V-BRDG-BRNG	Survey Mapping-Bridge-Bearings
V-BRDG-CNTR	Survey Mapping-Bridge-Centerline of Bridge
V-BRDG-CTLJ	Survey Mapping-Bridge-Control Joint
V-BRDG-DECK	Survey Mapping-Bridge-Bridge Deck
V-BRDG-DIMS	Survey Mapping-Bridge-Dimensions
V-BRDG-IDEN	Survey Mapping-Bridge-Identification
V-BRDG-KEYN	Survey Mapping-Bridge-Keynotes
V-BRDG-LABL	Survey Mapping-Bridge-Labels
V-BRDG-MARK	Survey Mapping-Bridge-Markers
V-BRDG-MATC	Survey Mapping-Bridge-Match Lines
V-BRDG-NOTE	Survey Mapping-Bridge-Notes

V-BRDG-NPLT	Survey Mapping-Bridge-Non Plotting Info
V-BRDG-PATT	Survey Mapping-Bridge-Hatch Pattern
V-BRDG-RAIL	Survey Mapping-Bridge-Railing
V-BRDG-RDME	Survey Mapping-Bridge-Readme Layer
V-BRDG-REDL	Survey Mapping-Bridge-Redlines
V-BRDG-REFR	Survey Mapping-Bridge-Reference Files
V-BRDG-REVC	Survey Mapping-Bridge-Revision Clouds
V-BRDG-REVS	Survey Mapping-Bridge-Revisions
V-BRDG-SYMB	Survey Mapping-Bridge-Reference Symbols
V-BRDG-TABL	Survey Mapping-Bridge-Data Tables
V-BRDG-TEXT	Survey Mapping-Bridge-Text
<b>V-BRKL</b>	<b>Survey Mapping-Breaklines and Faults</b>
V-BRKL-BOTB	Survey Mapping-Breaklines and Faults-Bottom of Bank
V-BRKL-BRNG	Survey Mapping-Breaklines and Faults-Bearings
V-BRKL-DIMS	Survey Mapping-Breaklines and Faults-Dimensions
V-BRKL-FLOW	Survey Mapping-Breaklines and Faults-Flowline or lowest point of ditch
V-BRKL-IDEN	Survey Mapping-Breaklines and Faults-Identification
V-BRKL-KEYN	Survey Mapping-Breaklines and Faults-Keynotes
V-BRKL-LABL	Survey Mapping-Breaklines and Faults-Labels
V-BRKL-MARK	Survey Mapping-Breaklines and Faults-Markers
V-BRKL-MATC	Survey Mapping-Breaklines and Faults-Match Lines
V-BRKL-NOTE	Survey Mapping-Breaklines and Faults-Notes
V-BRKL-NPLT	Survey Mapping-Breaklines and Faults-Non Plotting Info
V-BRKL-PATT	Survey Mapping-Breaklines and Faults-Hatch Pattern
V-BRKL-RDME	Survey Mapping-Breaklines and Faults-Readme Layer
V-BRKL-REDL	Survey Mapping-Breaklines and Faults-Redlines
V-BRKL-REFR	Survey Mapping-Breaklines and Faults-Reference Files
V-BRKL-REVC	Survey Mapping-Breaklines and Faults-Revision Clouds
V-BRKL-REVS	Survey Mapping-Breaklines and Faults-Revisions
V-BRKL-SYMB	Survey Mapping-Breaklines and Faults-Reference Symbols
V-BRKL-TABL	Survey Mapping-Breaklines and Faults-Data Tables
V-BRKL-TEXT	Survey Mapping-Breaklines and Faults-Text
V-BRKL-TOPB	Survey Mapping-Breaklines and Faults-Top of Bank
<b>V-BRLN</b>	<b>Survey Mapping-Building Restriction Line</b>
V-BRLN-BRNG	Survey Mapping-Building Restriction Line-Bearings



V-BRLN-DIMS	Survey Mapping-Building Restriction Line-Dimensions
V-BRLN-IDEN	Survey Mapping-Building Restriction Line-Identification
V-BRLN-KEYN	Survey Mapping-Building Restriction Line-Keynotes
V-BRLN-LABL	Survey Mapping-Building Restriction Line-Labels
V-BRLN-MARK	Survey Mapping-Building Restriction Line-Markers
V-BRLN-MATC	Survey Mapping-Building Restriction Line-Match Lines
V-BRLN-NOTE	Survey Mapping-Building Restriction Line-Notes
V-BRLN-NPLT	Survey Mapping-Building Restriction Line-Non Plotting Info
V-BRLN-PATT	Survey Mapping-Building Restriction Line-Hatch Pattern
V-BRLN-RDME	Survey Mapping-Building Restriction Line-Readme Layer
V-BRLN-REDL	Survey Mapping-Building Restriction Line-Redlines
V-BRLN-REFR	Survey Mapping-Building Restriction Line-Reference Files
V-BRLN-REVC	Survey Mapping-Building Restriction Line-Revision Clouds
V-BRLN-REVS	Survey Mapping-Building Restriction Line-Revisions
V-BRLN-SYMB	Survey Mapping-Building Restriction Line-Reference Symbols
V-BRLN-TABL	Survey Mapping-Building Restriction Line-Data Tables
V-BRLN-TEXT	Survey Mapping-Building Restriction Line-Text
<b>V-BZNA</b>	<b>Survey Mapping-Buffer Zone Area</b>
V-BZNA-BRNG	Survey Mapping-Buffer Zone Area-Bearings
V-BZNA-DIMS	Survey Mapping-Buffer Zone Area-Dimensions
V-BZNA-IDEN	Survey Mapping-Buffer Zone Area-Identification
V-BZNA-KEYN	Survey Mapping-Buffer Zone Area-Keynotes
V-BZNA-LABL	Survey Mapping-Buffer Zone Area-Labels
V-BZNA-MARK	Survey Mapping-Buffer Zone Area-Markers
V-BZNA-MATC	Survey Mapping-Buffer Zone Area-Match Lines
V-BZNA-NOTE	Survey Mapping-Buffer Zone Area-Notes
V-BZNA-NPLT	Survey Mapping-Buffer Zone Area-Non Plotting Info
V-BZNA-PATT	Survey Mapping-Buffer Zone Area-Hatch Pattern
V-BZNA-RDME	Survey Mapping-Buffer Zone Area-Readme Layer
V-BZNA-REDL	Survey Mapping-Buffer Zone Area-Redlines
V-BZNA-REFR	Survey Mapping-Buffer Zone Area-Reference Files
V-BZNA-REVC	Survey Mapping-Buffer Zone Area-Revision Clouds
V-BZNA-REVS	Survey Mapping-Buffer Zone Area-Revisions
V-BZNA-SYMB	Survey Mapping-Buffer Zone Area-Reference Symbols
V-BZNA-TABL	Survey Mapping-Buffer Zone Area-Data Tables
V-BZNA-TEXT	Survey Mapping-Buffer Zone Area-Text

<b>V-CHAN</b>	<b>Survey Mapping-Navigable Channels</b>
V-CHAN-BRNG	Survey Mapping-Navigable Channels-Bearings
V-CHAN-BWTR	Survey Mapping-Navigable Channels-Top of Bank
V-CHAN-CNTR	Survey Mapping-Navigable Channels-Centerline of Channel
V-CHAN-DACL	Survey Mapping-Navigable Channels-DeAuthorized Channel Limits
V-CHAN-DIMS	Survey Mapping-Navigable Channels-Dimensions
V-CHAN-DOCK	Survey Mapping-Navigable Channels-Desks_ Docks_ Floats or Piers
V-CHAN-IDEN	Survey Mapping-Navigable Channels-Identification
V-CHAN-KEYN	Survey Mapping-Navigable Channels-Keynotes
V-CHAN-LABL	Survey Mapping-Navigable Channels-Labels
V-CHAN-MARK	Survey Mapping-Navigable Channels-Markers
V-CHAN-MATC	Survey Mapping-Navigable Channels-Match Lines
V-CHAN-NAID	Survey Mapping-Navigable Channels-Navigation Aids
V-CHAN-NOTE	Survey Mapping-Navigable Channels-Notes
V-CHAN-NPLT	Survey Mapping-Navigable Channels-Non Plotting Info
V-CHAN-PATT	Survey Mapping-Navigable Channels-Hatch Pattern
V-CHAN-RDME	Survey Mapping-Navigable Channels-Readme Layer
V-CHAN-REDL	Survey Mapping-Navigable Channels-Redlines
V-CHAN-REFR	Survey Mapping-Navigable Channels-Reference Files
V-CHAN-REVC	Survey Mapping-Navigable Channels-Revision Clouds
V-CHAN-REVS	Survey Mapping-Navigable Channels-Revisions
V-CHAN-SYMB	Survey Mapping-Navigable Channels-Reference Symbols
V-CHAN-TABL	Survey Mapping-Navigable Channels-Data Tables
V-CHAN-TEXT	Survey Mapping-Navigable Channels-Text
<b>V-COMM</b>	<b>Survey Mapping-Communications</b>
V-COMM-BRNG	Survey Mapping-Communications-Bearings
V-COMM-DIMS	Survey Mapping-Communications-Dimensions
V-COMM-IDEN	Survey Mapping-Communications-Identification
V-COMM-KEYN	Survey Mapping-Communications-Keynotes
V-COMM-LABL	Survey Mapping-Communications-Labels
V-COMM-MARK	Survey Mapping-Communications-Markers
V-COMM-MATC	Survey Mapping-Communications-Match Lines
V-COMM-MHOL	Survey Mapping- <b>Communications-Manhole</b>
V-COMM-NOTE	Survey Mapping-Communications-Notes
V-COMM-NPLT	Survey Mapping-Communications-Non Plotting Info
V-COMM-OVHD	Survey Mapping-Communications-Overhead Lines

V-COMM-PATT	Survey Mapping-Communications-Hatch Pattern
V-COMM-POLE	Survey Mapping-Communications-Box or Pole
V-COMM-RDME	Survey Mapping-Communications-Readme Layer
V-COMM-REDL	Survey Mapping-Communications-Redlines
V-COMM-REFR	Survey Mapping-Communications-Reference Files
V-COMM-REVC	Survey Mapping-Communications-Revision Clouds
V-COMM-REVS	Survey Mapping-Communications-Revisions
V-COMM-SYMB	Survey Mapping-Communications-Reference Symbols
V-COMM-TABL	Survey Mapping-Communications-Data Tables
V-COMM-TEXT	Survey Mapping-Communications-Text
V-COMM-UNDR	Survey Mapping-Communications-Underground Lines
<b>V-CTRL</b>	<b>Survey Mapping-Control Points</b>
V-CTRL-BMRK	Survey Mapping-Control Points-Benchmark
V-CTRL-BRNG	Survey Mapping-Control Points-Bearings
V-CTRL-DIMS	Survey Mapping-Control Points-Dimensions
V-CTRL-FLYS	Survey Mapping-Control Points-Fly Station
V-CTRL-GRID	Survey Mapping-Control Points-Grid Lines
V-CTRL-HCPT	Survey Mapping-Control Points-Horizontal Control Point
V-CTRL-HVPT	Survey Mapping-Control Points-Horizontal and Vertical Control Point
V-CTRL-IDEN	Survey Mapping-Control Points-Identification
V-CTRL-KEYN	Survey Mapping-Control Points-Keynotes
V-CTRL-LABL	Survey Mapping-Control Points-Labels
V-CTRL-MARK	Survey Mapping-Control Points-Markers
V-CTRL-MATC	Survey Mapping-Control Points-Match Lines
V-CTRL-NOTE	Survey Mapping-Control Points-Notes
V-CTRL-NPLT	Survey Mapping-Control Points-Non Plotting Info
V-CTRL-PATT	Survey Mapping-Control Points-Hatch Pattern
V-CTRL-PNPT	Survey Mapping-Control Points-Panel Points
V-CTRL-RDME	Survey Mapping-Control Points-Readme Layer
V-CTRL-REDL	Survey Mapping-Control Points-Redlines
V-CTRL-REFR	Survey Mapping-Control Points-Reference Files
V-CTRL-REVC	Survey Mapping-Control Points-Revision Clouds
V-CTRL-REVS	Survey Mapping-Control Points-Revisions
V-CTRL-SYMB	Survey Mapping-Control Points-Reference Symbols
V-CTRL-TABL	Survey Mapping-Control Points-Data Tables
V-CTRL-TEXT	Survey Mapping-Control Points-Text
V-CTRL-TRAV	Survey Mapping-Control Points-Traverse Points
V-CTRL-VCPT	Survey Mapping-Control Points-Vertical Control Points

<b>V-DRIV</b>	<b>Survey Mapping-Driveways</b>
V-DRIV-ASPH	Survey Mapping-Driveways-Asphalt Surface
V-DRIV-BRNG	Survey Mapping-Driveways-Bearings
V-DRIV-CNTR	Survey Mapping-Driveways-Centerline of Driveway
V-DRIV-CONC	Survey Mapping-Driveways-Concrete Surface
V-DRIV-CURB	Survey Mapping-Driveways-Curb
V-DRIV-CURB-BACK	Survey Mapping-Driveways-Curb Back
V-DRIV-CURB-FACE	Survey Mapping-Driveways-Curb Face
V-DRIV-DIMS	Survey Mapping-Driveways-Dimensions
V-DRIV-FLNE	Survey Mapping-Driveways-Fire Lane
V-DRIV-GRVL	Survey Mapping-Driveways-Gravel Surface
V-DRIV-IDEN	Survey Mapping-Driveways-Identification
V-DRIV-KEYN	Survey Mapping-Driveways-Keynotes
V-DRIV-LABL	Survey Mapping-Driveways-Labels
V-DRIV-MARK	Survey Mapping-Driveways-Markers
V-DRIV-MATC	Survey Mapping-Driveways-Match Lines
V-DRIV-MRKG	Survey Mapping-Driveways-Pavement Markings
V-DRIV-NOTE	Survey Mapping-Driveways-Notes
V-DRIV-NPLT	Survey Mapping-Driveways-Non Plotting Info
V-DRIV-PATT	Survey Mapping-Driveways-Hatch Pattern
V-DRIV-RDME	Survey Mapping-Driveways-Readme Layer
V-DRIV-REDL	Survey Mapping-Driveways-Redlines
V-DRIV-REFR	Survey Mapping-Driveways-Reference Files
V-DRIV-REVC	Survey Mapping-Driveways-Revision Clouds
V-DRIV-REVS	Survey Mapping-Driveways-Revisions
V-DRIV-SYMB	Survey Mapping-Driveways-Reference Symbols
V-DRIV-TABL	Survey Mapping-Driveways-Data Tables
V-DRIV-TEXT	Survey Mapping-Driveways-Text
V-DRIV-UPVD	Survey Mapping-Driveways-Unpaved Surface
<b>V-DTCH</b>	<b>Survey Mapping-Ditches or Washes</b>
V-DTCH-BOTD	Survey Mapping-Ditches or Washes-Bottom of Ditch
V-DTCH-BRNG	Survey Mapping-Ditches or Washes-Bearings
V-DTCH-CNTR	Survey Mapping-Ditches or Washes-Centerline of Ditch
V-DTCH-DIMS	Survey Mapping-Ditches or Washes-Dimensions
V-DTCH-EWAT	Survey Mapping-Ditches or Washes-Edge of Water

V-DTCH-IDEN	Survey Mapping-Ditches or Washes-Identification
V-DTCH-KEYN	Survey Mapping-Ditches or Washes-Keynotes
V-DTCH-LABL	Survey Mapping-Ditches or Washes-Labels
V-DTCH-MARK	Survey Mapping-Ditches or Washes-Markers
V-DTCH-MATC	Survey Mapping-Ditches or Washes-Match Lines
V-DTCH-NOTE	Survey Mapping-Ditches or Washes-Notes
V-DTCH-NPLT	Survey Mapping-Ditches or Washes-Non Plotting Info
V-DTCH-PATT	Survey Mapping-Ditches or Washes-Hatch Pattern
V-DTCH-RDME	Survey Mapping-Ditches or Washes-Readme Layer
V-DTCH-REDL	Survey Mapping-Ditches or Washes-Redlines
V-DTCH-REFR	Survey Mapping-Ditches or Washes-Reference Files
V-DTCH-REVC	Survey Mapping-Ditches or Washes-Revision Clouds
V-DTCH-REVS	Survey Mapping-Ditches or Washes-Revisions
V-DTCH-SYMB	Survey Mapping-Ditches or Washes-Reference Symbols
V-DTCH-TABL	Survey Mapping-Ditches or Washes-Data Tables
V-DTCH-TEXT	Survey Mapping-Ditches or Washes-Text
V-DTCH-TOPD	Survey Mapping-Ditches or Washes-Top of Ditch
<b>V-ESMT</b>	<b>Survey Mapping-Easements</b>
V-ESMT-ACCS	Survey Mapping-Easements-Access _Pedestrian only
V-ESMT-BRNG	Survey Mapping-Easements-Bearings
V-ESMT-CATV	Survey Mapping-Easements-Cable Television
V-ESMT-CONS	Survey Mapping-Easements-Conservation
V-ESMT-CSTG	Survey Mapping-Easements-Construction Grading
V-ESMT-DIMS	Survey Mapping-Easements-Dimensions
V-ESMT-ELEC	Survey Mapping-Easements-Electrical
V-ESMT-FDPL	Survey Mapping-Easements-Flood Plain
V-ESMT-IDEN	Survey Mapping-Easements-Identification
V-ESMT-INEG	Survey Mapping-Easements- <b>Ingress - Egress _Vehicles - private access</b>
V-ESMT-KEYN	Survey Mapping-Easements-Keynotes
V-ESMT-LABL	Survey Mapping-Easements-Labels
V-ESMT-LSCP	Survey Mapping-Easements-Landscape
V-ESMT-MARK	Survey Mapping-Easements-Markers
V-ESMT-MATC	Survey Mapping-Easements-Match Lines
V-ESMT-NGAS	Survey Mapping-Easements-Natural Gas Line
V-ESMT-NOTE	Survey Mapping-Easements-Notes
V-ESMT-NPLT	Survey Mapping-Easements-Non Plotting Info

V-ESMT-PATT	Survey Mapping-Easements-Hatch Pattern
V-ESMT-PHON	Survey Mapping-Easements-Telephone Line
V-ESMT-RDME	Survey Mapping-Easements-Readme Layer
V-ESMT-REDL	Survey Mapping-Easements-Redlines
V-ESMT-REFR	Survey Mapping-Easements-Reference Files
V-ESMT-REVC	Survey Mapping-Easements-Revision Clouds
V-ESMT-REVS	Survey Mapping-Easements-Revisions
V-ESMT-ROAD	Survey Mapping-Easements-Roadway
V-ESMT-ROADPERM	Survey Mapping-Easements-Permanent Roadway
V-ESMT-ROADTEMP	Survey Mapping-Easements-Temporary Roadway
V-ESMT-RWAY	Survey Mapping-Easements-Right of Way
V-ESMT-SHGT	Survey Mapping-Easements-Sight Distance

V-ESMT-SSWR	Survey Mapping-Easements-Sanitary Sewer Line
V-ESMT-STRM	Survey Mapping-Easements-Storm Sewer Line
V-ESMT-SWMT	Survey Mapping-Easements-Storm Water Management
V-ESMT-SYMB	Survey Mapping-Easements-Reference Symbols
V-ESMT-TABL	Survey Mapping-Easements-Data Tables
V-ESMT-TEXT	Survey Mapping-Easements-Text
V-ESMT-TRAL	Survey Mapping-Easements-Trail _ Path _ Public Access
V-ESMT-UTIL	Survey Mapping-Easements-Utilities
V-ESMT-WATR	Survey Mapping-Easements-Water Supply

<b>V-FLHA Survey Mapping-Flood Hazard Area</b>	
--	--

V-FLHA-BRNG	Survey Mapping-Flood Hazard Area-Bearings
V-FLHA-DIMS	Survey Mapping-Flood Hazard Area-Dimensions
V-FLHA-IDEN	Survey Mapping-Flood Hazard Area-Identification
V-FLHA-KEYN	Survey Mapping-Flood Hazard Area-Keynotes
V-FLHA-LABL	Survey Mapping-Flood Hazard Area-Labels
V-FLHA-MARK	Survey Mapping-Flood Hazard Area-Markers
V-FLHA-MATC	Survey Mapping-Flood Hazard Area-Match Lines
V-FLHA-NOTE	Survey Mapping-Flood Hazard Area-Notes
V-FLHA-NPLT	Survey Mapping-Flood Hazard Area-Non Plotting Info
V-FLHA-PATT	Survey Mapping-Flood Hazard Area-Hatch Pattern
V-FLHA-RDME	Survey Mapping-Flood Hazard Area-Readme Layer
V-FLHA-REDL	Survey Mapping-Flood Hazard Area-Redlines
V-FLHA-REFR	Survey Mapping-Flood Hazard Area-Reference Files
V-FLHA-REVC	Survey Mapping-Flood Hazard Area-Revision Clouds

V-FLHA-REVS	Survey Mapping-Flood Hazard Area-Revisions
V-FLHA-SYMB	Survey Mapping-Flood Hazard Area-Reference Symbols
V-FLHA-TABL	Survey Mapping-Flood Hazard Area-Data Tables
V-FLHA-TEXT	Survey Mapping-Flood Hazard Area-Text
<b>V-FUEL</b>	<b>Survey Mapping-Fuel Gas</b>
V-FUEL-BRNG	Survey Mapping-Fuel Gas-Bearings
V-FUEL-DIMS	Survey Mapping-Fuel Gas-Dimensions
V-FUEL-IDEN	Survey Mapping-Fuel Gas-Identification
V-FUEL-KEYN	Survey Mapping-Fuel Gas-Keynotes
V-FUEL-LABL	Survey Mapping-Fuel Gas-Labels
V-FUEL-MARK	Survey Mapping-Fuel Gas-Markers
V-FUEL-MATC	Survey Mapping-Fuel Gas-Match Lines
V-FUEL-MHOL	Survey Mapping-Fuel Gas-Manhole
V-FUEL-NOTE	Survey Mapping-Fuel Gas-Notes
V-FUEL-NPLT	Survey Mapping-Fuel Gas-Non Plotting Info
V-FUEL-PATT	Survey Mapping-Fuel Gas-Hatch Pattern
V-FUEL-PIPE	Survey Mapping-Fuel Gas-Piping - Above Ground
V-FUEL-RDME	Survey Mapping-Fuel Gas-Readme Layer
V-FUEL-REDL	Survey Mapping-Fuel Gas-Redlines
V-FUEL-REFR	Survey Mapping-Fuel Gas-Reference Files
V-FUEL-REVC	Survey Mapping-Fuel Gas-Revision Clouds
V-FUEL-REVS	Survey Mapping-Fuel Gas-Revisions
V-FUEL-SYMB	Survey Mapping-Fuel Gas-Reference Symbols
V-FUEL-TABL	Survey Mapping-Fuel Gas-Data Tables
V-FUEL-TANK	Survey Mapping-Fuel Gas-Storage Tank
V-FUEL-TEXT	Survey Mapping-Fuel Gas-Text
V-FUEL-UNDR	Survey Mapping-Fuel Gas-Underground Piping
<b>V-NGAS</b>	<b>Survey Mapping-Natural Gas</b>
V-NGAS-BRNG	Survey Mapping-Natural Gas-Bearings
V-NGAS-DIMS	Survey Mapping-Natural Gas-Dimensions
V-NGAS-IDEN	Survey Mapping-Natural Gas-Identification
V-NGAS-KEYN	Survey Mapping-Natural Gas-Keynotes
V-NGAS-LABL	Survey Mapping-Natural Gas-Labels
V-NGAS-MARK	Survey Mapping-Natural Gas-Markers
V-NGAS-MATC	Survey Mapping-Natural Gas-Match Lines

V-NGAS-MHOL	Survey Mapping-Natural Gas-Manhole
V-NGAS-NOTE	Survey Mapping-Natural Gas-Notes
V-NGAS-NPLT	Survey Mapping-Natural Gas-Non Plotting Info
V-NGAS-PATT	Survey Mapping-Natural Gas-Hatch Pattern
V-NGAS-PIPE	Survey Mapping-Natural Gas-Piping - Above Ground
V-NGAS-RDME	Survey Mapping-Natural Gas-Readme Layer
V-NGAS-REDL	Survey Mapping-Natural Gas-Redlines
V-NGAS-REFR	Survey Mapping-Natural Gas-Reference Files
V-NGAS-REVC	Survey Mapping-Natural Gas-Revision Clouds
V-NGAS-REVS	Survey Mapping-Natural Gas-Revisions
V-NGAS-SYMB	Survey Mapping-Natural Gas-Reference Symbols
V-NGAS-TABL	Survey Mapping-Natural Gas-Data Tables
V-NGAS-TANK	Survey Mapping-Natural Gas-Storage Tank
V-NGAS-TEXT	Survey Mapping-Natural Gas-Text
V-NGAS-UNDR	Survey Mapping-Natural Gas-Underground Piping
<b>V-NODE</b>	<b>Survey Mapping-Node</b>
V-NODE-ABUT	Survey Mapping-Node-Abutment
V-NODE-ACTL	Survey Mapping-Node-Aerial Horizontal and Vertical Control Point
V-NODE-BLDG	Survey Mapping-Node-Building
V-NODE-BLIN	Survey Mapping-Node-Baseline
V-NODE-BRDG	Survey Mapping-Node-Bridge
V-NODE-BRKL	Survey Mapping-Node-Breakline
V-NODE-BRNG	Survey Mapping-Node-Bearings
V-NODE-BROW	Survey Mapping-Node-Bush Row
V-NODE-BRSH	Survey Mapping-Node-Brush
V-NODE-CABL	Survey Mapping-Node-Underground Cable
V-NODE-CNTL	Survey Mapping-Node-Baseline_ Property Line and Centerline
V-NODE-CURB	Survey Mapping-Node-Curb
V-NODE-DASP	Survey Mapping-Node-Description Attribute
V-NODE-DECK	Survey Mapping-Node-Outdoor Deck
V-NODE-DIMS	Survey Mapping-Node-Dimensions
V-NODE-DRIV	Survey Mapping-Node-Driveway
V-NODE-EASP	Survey Mapping-Node-Elevation Attribute
V-NODE-EXPJ	Survey Mapping-Node-Expansion Joints
V-NODE-GRND	Survey Mapping-Node-Ground Topography
V-NODE-IDEN	Survey Mapping-Node-Identification



V-NODE-KEYN	Survey Mapping-Node-Keynotes
V-NODE-LABL	Survey Mapping-Node-Labels
V-NODE-MARK	Survey Mapping-Node-Markers
V-NODE-MATC	Survey Mapping-Node-Match Lines
V-NODE-MHOL	Survey Mapping-Node-Manhole
V-NODE-MRKG	Survey Mapping-Node-Pavement Markings
V-NODE-NGAS	Survey Mapping-Node-Natural Gas Line
V-NODE-NOTE	Survey Mapping-Node-Notes
V-NODE-NPLT	Survey Mapping-Node-Non Plotting Info
V-NODE-PASP	Survey Mapping-Node-Point Number Attribute
V-NODE-PATT	Survey Mapping-Node-Hatch Pattern
V-NODE-PIPE	Survey Mapping-Node-Pipes
V-NODE-POLE	Survey Mapping-Node-Poles
V-NODE-PVMT	Survey Mapping-Node-Pavement
V-NODE-RDME	Survey Mapping-Node-Readme Layer
V-NODE-REDL	Survey Mapping-Node-Redlines
V-NODE-REFR	Survey Mapping-Node-Reference Files
V-NODE-REVC	Survey Mapping-Node-Revision Clouds
V-NODE-REVS	Survey Mapping-Node-Revisions
V-NODE-SIGN	Survey Mapping-Node-Signs
V-NODE-SSWR	Survey Mapping-Node-Sanitary Sewer Line
V-NODE-STRM	Survey Mapping-Node-Strom Sewer Line
V-NODE-SWLK	Survey Mapping-Node-Sidewalk
V-NODE-SYMB	Survey Mapping-Node-Reference Symbols
V-NODE-TABL	Survey Mapping-Node-Data Tables
V-NODE-TEXT	Survey Mapping-Node-Text
V-NODE-TREE	Survey Mapping-Node-Trees
V-NODE-TROW	Survey Mapping-Node-Tree Rows
V-NODE-WATR	Survey Mapping-Node-Water Supply Line
<b>V-POWR</b>	<b>Survey Mapping-Power</b>
V-POWR-BRNG	Survey Mapping-Power-Bearings
V-POWR-DIMS	Survey Mapping-Power-Dimensions
V-POWR-FENC	Survey Mapping-Power-Fence Enclosure
V-POWR-IDEN	Survey Mapping-Power-Identification
V-POWR-INST	Survey Mapping-Power-Instrumentation

V-POWR-KEYN	Survey Mapping-Power-Keynotes
V-POWR-LABL	Survey Mapping-Power-Labels
V-POWR-MARK	Survey Mapping-Power-Markers
V-POWR-MATC	Survey Mapping-Power-Match Lines
V-POWR-MHOL	Survey Mapping-Power-Manhole
V-POWR-NOTE	Survey Mapping-Power-Notes
V-POWR-NPLT	Survey Mapping-Power-Non Plotting Info
V-POWR-OVHD	Survey Mapping-Power-Overhead Lines
V-POWR-PATT	Survey Mapping-Power-Hatch Pattern
V-POWR-POLE	Survey Mapping-Power-Box or Pole
V-POWR-RDME	Survey Mapping-Power-Readme Layer
V-POWR-REDL	Survey Mapping-Power-Redlines
V-POWR-REFR	Survey Mapping-Power-Reference Files
V-POWR-REVC	Survey Mapping-Power-Revision Clouds
V-POWR-REVS	Survey Mapping-Power-Revisions
V-POWR-STRC	Survey Mapping-Power-Structures
V-POWR-SYMB	Survey Mapping-Power-Reference Symbols
V-POWR-TABL	Survey Mapping-Power-Data Tables
V-POWR-TEXT	Survey Mapping-Power-Text
V-POWR-UNDR	Survey Mapping-Power-Underground Lines
<b>V-PRKG</b>	<b>Survey Mapping-Parking Lots</b>
V-PRKG-ASPH	Survey Mapping-Parking Lots-Asphalt Surface
V-PRKG-BRNG	Survey Mapping-Parking Lots-Bearings
V-PRKG-CNTR	Survey Mapping-Parking Lots-Centerlijne of Parking Lot
V-PRKG-CONC	Survey Mapping-Parking Lots-Concrete Surface
V-PRKG-CURB	Survey Mapping-Parking Lots-Curb
V-PRKG-CURBBACK	Survey Mapping-Parking Lots-Curb Back
V-PRKG-CURBFACE	Survey Mapping-Parking Lots-Curb Face
V-PRKG-DIMS	Survey Mapping-Parking Lots-Dimensions
V-PRKG-DRAN	Survey Mapping-Parking Lots-Drainage Slope Indications
V-PRKG-FLNE	Survey Mapping-Parking Lots-Fire Lane
V-PRKG-GRVL	Survey Mapping-Parking Lots-Gravel Surface
V-PRKG-IDEN	Survey Mapping-Parking Lots-Identification
V-PRKG-KEYN	Survey Mapping-Parking Lots-Keynotes
V-PRKG-LABL	Survey Mapping-Parking Lots-Labels
V-PRKG-MARK	Survey Mapping-Parking Lots-Markers

V-PRKG-MATC	Survey Mapping-Parking Lots-Match Lines
V-PRKG-MRKG	Survey Mapping-Parking Lots-Pavement Markings
V-PRKG-NOTE	Survey Mapping-Parking Lots-Notes
V-PRKG-NPLT	Survey Mapping-Parking Lots-Non Plotting Info
V-PRKG-PATT	Survey Mapping-Parking Lots-Hatch Pattern
V-PRKG-RDME	Survey Mapping-Parking Lots-Readme Layer
V-PRKG-REDL	Survey Mapping-Parking Lots-Redlines
V-PRKG-REFR	Survey Mapping-Parking Lots-Reference Files
V-PRKG-REVC	Survey Mapping-Parking Lots-Revision Clouds
V-PRKG-REVS	Survey Mapping-Parking Lots-Revisions
V-PRKG-STRP	Survey Mapping-Parking Lots-Striping
V-PRKG-SYMB	Survey Mapping-Parking Lots-Reference Symbols
V-PRKG-TABL	Survey Mapping-Parking Lots-Data Tables
V-PRKG-TEXT	Survey Mapping-Parking Lots-Text
V-PRKG-UPVD	Survey Mapping-Parking Lots-Unpaved Surface
<b>V-PROP</b>	<b>Survey Mapping-Property Boundary</b>
V-PROP-BRNG	Survey Mapping-Property Boundary-Bearings
V-PROP-DIMS	Survey Mapping-Property Boundary-Dimensions
V-PROP-IDEN	Survey Mapping-Property Boundary-Identification
V-PROP-KEYN	Survey Mapping-Property Boundary-Keynotes
V-PROP-LABL	Survey Mapping-Property Boundary-Labels
V-PROP-LINE	Survey Mapping-Property Boundary-Property Line
V-PROP-MARK	Survey Mapping-Property Boundary-Markers
V-PROP-MATC	Survey Mapping-Property Boundary-Match Lines
V-PROP-NOTE	Survey Mapping-Property Boundary-Notes
V-PROP-NPLT	Survey Mapping-Property Boundary-Non Plotting Info
V-PROP-PATT	Survey Mapping-Property Boundary-Hatch Pattern
V-PROP-QTRS	Survey Mapping-Property Boundary-Quarter Section
V-PROP-RDME	Survey Mapping-Property Boundary-Readme Layer
V-PROP-REDL	Survey Mapping-Property Boundary-Redlines
V-PROP-REFR	Survey Mapping-Property Boundary-Reference Files
V-PROP-REVC	Survey Mapping-Property Boundary-Revision Clouds
V-PROP-REVS	Survey Mapping-Property Boundary-Revisions
V-PROP-RSRV	Survey Mapping-Property Boundary-Reserve
V-PROP-SBCK	Survey Mapping-Property Boundary-Setback Lines
V-PROP-SECT	Survey Mapping-Property Boundary-Section Boundary
V-PROP-SUBD	Survey Mapping-Property Boundary-Interior Lines

V-PROP-SXTS	Survey Mapping-Property Boundary-Sixteenth Section
V-PROP-SYMB	Survey Mapping-Property Boundary-Reference Symbols
V-PROP-TABL	Survey Mapping-Property Boundary-Data Tables
V-PROP-TEXT	Survey Mapping-Property Boundary-Text
<b>V-PVMT</b>	<b>Survey Mapping-Pavement</b>
V-PVMT-ASPH	Survey Mapping-Pavement-Asphalt Surface
V-PVMT-BRNG	Survey Mapping-Pavement-Bearings
V-PVMT-CONC	Survey Mapping-Pavement-Concrete Surface
V-PVMT-DIMS	Survey Mapping-Pavement-Dimensions
V-PVMT-GRVL	Survey Mapping-Pavement-Gravel Surface
V-PVMT-IDEN	Survey Mapping-Pavement-Identification
V-PVMT-KEYN	Survey Mapping-Pavement-Keynotes
V-PVMT-LABL	Survey Mapping-Pavement-Labels
V-PVMT-MARK	Survey Mapping-Pavement-Markers
V-PVMT-MATC	Survey Mapping-Pavement-Match Lines
V-PVMT-NOTE	Survey Mapping-Pavement-Notes
V-PVMT-NPLT	Survey Mapping-Pavement-Non Plotting Info
V-PVMT-PATT	Survey Mapping-Pavement-Hatch Pattern
V-PVMT-RDME	Survey Mapping-Pavement-Readme Layer
V-PVMT-REDL	Survey Mapping-Pavement-Redlines
V-PVMT-REFR	Survey Mapping-Pavement-Reference Files
V-PVMT-REVC	Survey Mapping-Pavement-Revision Clouds
V-PVMT-REVS	Survey Mapping-Pavement-Revisions
V-PVMT-SYMB	Survey Mapping-Pavement-Reference Symbols
V-PVMT-TABL	Survey Mapping-Pavement-Data Tables
V-PVMT-TEXT	Survey Mapping-Pavement-Text
<b>V-RAIL</b>	<b>Survey Mapping-Railroad</b>
V-RAIL-BRNG	Survey Mapping-Railroad-Bearings
V-RAIL-CNTR	Survey Mapping-Railroad-Centerline of Tracks
V-RAIL-DIMS	Survey Mapping-Railroad-Dimensions
V-RAIL-EQPM	Survey Mapping-Railroad-Equipment
V-RAIL-IDEN	Survey Mapping-Railroad-Identification
V-RAIL-KEYN	Survey Mapping-Railroad-Keynotes
V-RAIL-LABL	Survey Mapping-Railroad-Labels
V-RAIL-MARK	Survey Mapping-Railroad-Markers
V-RAIL-MATC	Survey Mapping-Railroad-Match Lines

V-RAIL-NOTE	Survey Mapping-Railroad-Notes
V-RAIL-NPLT	Survey Mapping-Railroad-Non Plotting Info
V-RAIL-PATT	Survey Mapping-Railroad-Hatch Pattern
V-RAIL-RDME	Survey Mapping-Railroad-Readme Layer
V-RAIL-REDL	Survey Mapping-Railroad-Redlines
V-RAIL-REFR	Survey Mapping-Railroad-Reference Files
V-RAIL-REVC	Survey Mapping-Railroad-Revision Clouds
V-RAIL-REVS	Survey Mapping-Railroad-Revisions
V-RAIL-SYMB	Survey Mapping-Railroad-Reference Symbols
V-RAIL-TABL	Survey Mapping-Railroad-Data Tables
V-RAIL-TEXT	Survey Mapping-Railroad-Text
V-RAIL-TRAK	Survey Mapping-Railroad-Tracks
<b>V-RIVR</b>	<b>Survey Mapping-River</b>
V-RIVR-BOTM	Survey Mapping-River-Bottom of Bank
V-RIVR-BRNG	Survey Mapping-River-Bearings
V-RIVR-CNTR	Survey Mapping-River-Centerline of River
V-RIVR-DIMS	Survey Mapping-River-Dimensions
V-RIVR-EDGE	Survey Mapping-River-Edge of River
V-RIVR-IDEN	Survey Mapping-River-Identification
V-RIVR-KEYN	Survey Mapping-River-Keynotes
V-RIVR-LABL	Survey Mapping-River-Labels
V-RIVR-MARK	Survey Mapping-River-Markers
V-RIVR-MATC	Survey Mapping-River-Match Lines
V-RIVR-NOTE	Survey Mapping-River-Notes
V-RIVR-NPLT	Survey Mapping-River-Non Plotting Info
V-RIVR-PATT	Survey Mapping-River-Hatch Pattern
V-RIVR-RDME	Survey Mapping-River-Readme Layer
V-RIVR-REDL	Survey Mapping-River-Redlines
V-RIVR-REFR	Survey Mapping-River-Reference Files
V-RIVR-REVC	Survey Mapping-River-Revision Clouds
V-RIVR-REVS	Survey Mapping-River-Revisions
V-RIVR-SYMB	Survey Mapping-River-Reference Symbols
V-RIVR-TABL	Survey Mapping-River-Data Tables
V-RIVR-TEXT	Survey Mapping-River-Text
V-RIVR-TOPB	Survey Mapping-River-Top of Bank
<b>V-ROAD</b>	<b>Survey Mapping-Roads Streets and Highways</b>

V-ROAD-ASPH	Survey Mapping-Roads Streets and Highways-Asphalt Surface
V-ROAD-BRNG	Survey Mapping-Roads Streets and Highways-Bearings
V-ROAD-CNTR	Survey Mapping-Roads Streets and Highways-Centerline of Road
V-ROAD-CONC	Survey Mapping-Roads Streets and Highways-Concrete Surface
V-ROAD-CURB	Survey Mapping-Roads Streets and Highways-Curb
V-ROAD-CURBBACK	Survey Mapping-Roads Streets and Highways-Curb Back
V-ROAD-CURBFACE	Survey Mapping-Roads Streets and Highways-Curb Face
V-ROAD-DIMS	Survey Mapping-Roads Streets and Highways-Dimensions
V-ROAD-FLNE	Survey Mapping-Roads Streets and Highways-Fire Lane
V-ROAD-GRVL	Survey Mapping-Roads Streets and Highways-Gravel Surface
V-ROAD-IDEN	Survey Mapping-Roads Streets and Highways-Identification
V-ROAD-KEYN	Survey Mapping-Roads Streets and Highways-Keynotes
V-ROAD-LABL	Survey Mapping-Roads Streets and Highways-Labels
V-ROAD-MARK	Survey Mapping-Roads Streets and Highways-Markers
V-ROAD-MATC	Survey Mapping-Roads Streets and Highways-Match Lines
V-ROAD-MRKG	Survey Mapping-Roads Streets and Highways-Pavement Markings
V-ROAD-NOTE	Survey Mapping-Roads Streets and Highways-Notes
V-ROAD-NPLT	Survey Mapping-Roads Streets and Highways-Non Plotting Info
V-ROAD-PATT	Survey Mapping-Roads Streets and Highways-Hatch Pattern
V-ROAD-RDME	Survey Mapping-Roads Streets and Highways-Readme Layer
V-ROAD-REDL	Survey Mapping-Roads Streets and Highways-Redlines
V-ROAD-REFR	Survey Mapping-Roads Streets and Highways-Reference Files
V-ROAD-REVC	Survey Mapping-Roads Streets and Highways-Revision Clouds
V-ROAD-REVS	Survey Mapping-Roads Streets and Highways-Revisions
V-ROAD-SYMB	Survey Mapping-Roads Streets and Highways-Reference Symbols
V-ROAD-TABL	Survey Mapping-Roads Streets and Highways-Data Tables
V-ROAD-TEXT	Survey Mapping-Roads Streets and Highways-Text
V-ROAD-UPVD	Survey Mapping-Roads Streets and Highways-Unpaved Surface
<b>V-RRAP</b>	<b>Survey Mapping-RipRap</b>
V-RRAP-BRNG	Survey Mapping-RipRap-Bearings
V-RRAP-DIMS	Survey Mapping-RipRap-Dimensions
V-RRAP-IDEN	Survey Mapping-RipRap-Identification
V-RRAP-KEYN	Survey Mapping-RipRap-Keynotes
V-RRAP-LABL	Survey Mapping-RipRap-Labels
V-RRAP-MARK	Survey Mapping-RipRap-Markers
V-RRAP-MATC	Survey Mapping-RipRap-Match Lines

V-RRAP-NOTE	Survey Mapping-RipRap-Notes
V-RRAP-NPLT	Survey Mapping-RipRap-Non Plotting Info
V-RRAP-PATT	Survey Mapping-RipRap-Hatch Pattern
V-RRAP-RDME	Survey Mapping-RipRap-Readme Layer
V-RRAP-REDL	Survey Mapping-RipRap-Redlines
V-RRAP-REFR	Survey Mapping-RipRap-Reference Files
V-RRAP-REVC	Survey Mapping-RipRap-Revision Clouds
V-RRAP-REVS	Survey Mapping-RipRap-Revisions
V-RRAP-SYMB	Survey Mapping-RipRap-Reference Symbols
V-RRAP-TABL	Survey Mapping-RipRap-Data Tables
V-RRAP-TEXT	Survey Mapping-RipRap-Text

V-RWAY	
Survey Mapping-Right of Way	
V-RWAY-BRNG	Survey Mapping-Right of Way-Bearings
V-RWAY-CNTR	Survey Mapping-Right of Way-Centerline of Right of Way
V-RWAY-CTLA	Survey Mapping-Right of Way-Controlled Access
V-RWAY-DIMS	Survey Mapping-Right of Way-Dimensions
V-RWAY-IDEN	Survey Mapping-Right of Way-Identification
V-RWAY-KEYN	Survey Mapping-Right of Way-Keynotes
V-RWAY-LABL	Survey Mapping-Right of Way-Labels
V-RWAY-LINE	Survey Mapping-Right of Way-Lines
V-RWAY-LMTA	Survey Mapping-Right of Way-Limited Access
V-RWAY-MARK	Survey Mapping-Right of Way-Markers
V-RWAY-MATC	Survey Mapping-Right of Way-Match Lines
V-RWAY-MRKR	Survey Mapping-Right of Way-Marker
V-RWAY-NOTE	Survey Mapping-Right of Way-Notes
V-RWAY-NPLT	Survey Mapping-Right of Way-Non Plotting Info
V-RWAY-PATT	Survey Mapping-Right of Way-Hatch Pattern
V-RWAY-RDME	Survey Mapping-Right of Way-Readme Layer
V-RWAY-REDL	Survey Mapping-Right of Way-Redlines
V-RWAY-REFR	Survey Mapping-Right of Way-Reference Files
V-RWAY-REVC	Survey Mapping-Right of Way-Revision Clouds
V-RWAY-REVS	Survey Mapping-Right of Way-Revisions
V-RWAY-STAN	Survey Mapping-Right of Way-Stationing
V-RWAY-SYMB	Survey Mapping-Right of Way-Reference Symbols
V-RWAY-TABL	Survey Mapping-Right of Way-Data Tables
V-RWAY-TEXT	Survey Mapping-Right of Way-Text

<b>V-SITE</b>	<b>Survey Mapping-Site Features</b>
V-SITE-BRNG	Survey Mapping-Site Features-Bearings
V-SITE-DIMS	Survey Mapping-Site Features-Dimensions
V-SITE-EWAT	Survey Mapping-Site Features-Edge of Water
V-SITE-FENC	Survey Mapping-Site Features-Fences
V-SITE-IDEN	Survey Mapping-Site Features-Identification
V-SITE-KEYN	Survey Mapping-Site Features-Keynotes
V-SITE-LABL	Survey Mapping-Site Features-Labels
V-SITE-MARK	Survey Mapping-Site Features-Markers
V-SITE-MATC	Survey Mapping-Site Features-Match Lines
V-SITE-NOTE	Survey Mapping-Site Features-Notes
V-SITE-NPLT	Survey Mapping-Site Features-Non Plotting Info
V-SITE-PATT	Survey Mapping-Site Features-Hatch Pattern
V-SITE-RDME	Survey Mapping-Site Features-Readme Layer
V-SITE-REDL	Survey Mapping-Site Features-Redlines
V-SITE-REFR	Survey Mapping-Site Features-Reference Files
V-SITE-REVC	Survey Mapping-Site Features-Revision Clouds
V-SITE-REVS	Survey Mapping-Site Features-Revisions
V-SITE-ROCK	Survey Mapping-Site Features-Rock – <b>Landscape Boulders</b>
V-SITE-RTWL	Survey Mapping-Site Features-Retaining Wall
V-SITE-SIGN	Survey Mapping-Site Features-Signs
V-SITE-SYMB	Survey Mapping-Site Features-Reference Symbols
V-SITE-TABL	Survey Mapping-Site Features-Data Tables
V-SITE-TEXT	Survey Mapping-Site Features-Text
V-SITE-VEGE	Survey Mapping-Site Features-Trees Shrubs and Other Vegetation
<b>V-SSWR</b>	<b>Survey Mapping-Sanitary Sewer System</b>
V-SSWR-BRNG	Survey Mapping-Sanitary Sewer System-Bearings
V-SSWR-DIMS	Survey Mapping-Sanitary Sewer System-Dimensions
V-SSWR-IDEN	Survey Mapping-Sanitary Sewer System-Identification
V-SSWR-KEYN	Survey Mapping-Sanitary Sewer System-Keynotes
V-SSWR-LABL	Survey Mapping-Sanitary Sewer System-Labels
V-SSWR-MARK	Survey Mapping-Sanitary Sewer System-Markers
V-SSWR-MATC	Survey Mapping-Sanitary Sewer System-Match Lines
V-SSWR-MHOL	Survey Mapping-Sanitary Sewer System-Manhole
V-SSWR-NOTE	Survey Mapping-Sanitary Sewer System-Notes
V-SSWR-NPLT	Survey Mapping-Sanitary Sewer System-Non Plotting Info



V-SSWR-PATT	Survey Mapping-Sanitary Sewer System-Hatch Pattern
V-SSWR-PIPE	Survey Mapping-Sanitary Sewer System-Piping
V-SSWR-RDME	Survey Mapping-Sanitary Sewer System-Readme Layer
V-SSWR-REDL	Survey Mapping-Sanitary Sewer System-Redlines
V-SSWR-REFR	Survey Mapping-Sanitary Sewer System-Reference Files
V-SSWR-REVC	Survey Mapping-Sanitary Sewer System-Revision Clouds
V-SSWR-REVS	Survey Mapping-Sanitary Sewer System-Revisions
V-SSWR-STRC	Survey Mapping-Sanitary Sewer System-Structures
V-SSWR-SYMB	Survey Mapping-Sanitary Sewer System-Reference Symbols
V-SSWR-TABL	Survey Mapping-Sanitary Sewer System-Data Tables
V-SSWR-TEXT	Survey Mapping-Sanitary Sewer System-Text
V-SSWR-UNDR	Survey Mapping-Sanitary Sewer System-Underground Piping
<b>V-STEM</b>	<b>Survey Mapping-Steam System</b>
V-STEM-BRNG	Survey Mapping-Steam System-Bearings
V-STEM-DIMS	Survey Mapping-Steam System-Dimensions
V-STEM-IDEN	Survey Mapping-Steam System-Identification
V-STEM-INST	Survey Mapping-Steam System-Instrumentation
V-STEM-KEYN	Survey Mapping-Steam System-Keynotes
V-STEM-LABL	Survey Mapping-Steam System-Labels
V-STEM-MARK	Survey Mapping-Steam System-Markers
V-STEM-MATC	Survey Mapping-Steam System-Match Lines
V-STEM-MHOL	Survey Mapping-Steam System-Manhole
V-STEM-NOTE	Survey Mapping-Steam System-Notes
V-STEM-NPLT	Survey Mapping-Steam System-Non Plotting Info
V-STEM-PATT	Survey Mapping-Steam System-Hatch Pattern
V-STEM-PIPE	Survey Mapping-Steam System-Piping
V-STEM-RDME	Survey Mapping-Steam System-Readme Layer
V-STEM-REDL	Survey Mapping-Steam System-Redlines
V-STEM-REFR	Survey Mapping-Steam System-Reference Files
V-STEM-REVC	Survey Mapping-Steam System-Revision Clouds
V-STEM-REVS	Survey Mapping-Steam System-Revisions
V-STEM-STRC	Survey Mapping-Steam System-Structures
V-STEM-SYMB	Survey Mapping-Steam System-Reference Symbols
V-STEM-TABL	Survey Mapping-Steam System-Data Tables
V-STEM-TEXT	Survey Mapping-Steam System-Text
V-STEM-UNDR	Survey Mapping-Steam System-Underground Piping

<b>V-STRM Survey Mapping-Storm Sewer System</b>	
V-STRM-BRNG	Survey Mapping-Storm Sewer System-Bearings
V-STRM-DIMS	Survey Mapping-Storm Sewer System-Dimensions
V-STRM-DTCH	Survey Mapping-Storm Sewer System-Storm Drainage Ditch
V-STRM-IDEN	Survey Mapping-Storm Sewer System-Identification
V-STRM-KEYN	Survey Mapping-Storm Sewer System-Keynotes
V-STRM-LABL	Survey Mapping-Storm Sewer System-Labels
V-STRM-MARK	Survey Mapping-Storm Sewer System-Markers
V-STRM-MATC	Survey Mapping-Storm Sewer System-Match Lines
V-STRM-MHOL	Survey Mapping-Storm Sewer System-Manhole
V-STRM-NOTE	Survey Mapping-Storm Sewer System-Notes
V-STRM-NPLT	Survey Mapping-Storm Sewer System-Non Plotting Info
V-STRM-PATT	Survey Mapping-Storm Sewer System-Hatch Pattern
V-STRM-PIPE	Survey Mapping-Storm Sewer System-Piping
V-STRM-POND	Survey Mapping-Storm Sewer System-Storm Drainage Pond
V-STRM-RDME	Survey Mapping-Storm Sewer System-Readme Layer
V-STRM-REDL	Survey Mapping-Storm Sewer System-Redlines
V-STRM-REFR	Survey Mapping-Storm Sewer System-Reference Files
V-STRM-REVC	Survey Mapping-Storm Sewer System-Revision Clouds
V-STRM-REVS	Survey Mapping-Storm Sewer System-Revisions
V-STRM-STRC	Survey Mapping-Storm Sewer System-Structures
V-STRM-SYMB	Survey Mapping-Storm Sewer System-Reference Symbols
V-STRM-TABL	Survey Mapping-Storm Sewer System-Data Tables
V-STRM-TEXT	Survey Mapping-Storm Sewer System-Text
V-STRM-UNDR	Survey Mapping-Storm Sewer System-Underground Piping
<b>V-SURV Survey Mapping-Survey</b>	
V-SURV-BRNG	Survey Mapping-Survey-Bearings
V-SURV-DATA	Survey Mapping-Survey-Data
V-SURV-DIMS	Survey Mapping-Survey-Dimensions
V-SURV-IDEN	Survey Mapping-Survey-Identification
V-SURV-KEYN	Survey Mapping-Survey-Keynotes
V-SURV-LABL	Survey Mapping-Survey-Labels
V-SURV-LINE	Survey Mapping-Survey-Control Line
V-SURV-MARK	Survey Mapping-Survey-Markers
V-SURV-MATC	Survey Mapping-Survey-Match Lines
V-SURV-NOTE	Survey Mapping-Survey-Notes

V-SURV-NPLT	Survey Mapping-Survey-Non Plotting Info
V-SURV-PATT	Survey Mapping-Survey-Hatch Pattern
V-SURV-RDME	Survey Mapping-Survey-Readme Layer
V-SURV-REDL	Survey Mapping-Survey-Redlines
V-SURV-REFR	Survey Mapping-Survey-Reference Files
V-SURV-REVC	Survey Mapping-Survey-Revision Clouds
V-SURV-REVS	Survey Mapping-Survey-Revisions
V-SURV-SYMB	Survey Mapping-Survey-Reference Symbols
V-SURV-TABL	Survey Mapping-Survey-Data Tables
V-SURV-TEXT	Survey Mapping-Survey-Text
<b>V-SWLK</b>	<b>Survey Mapping-Sidewalk</b>
V-SWLK-ASPH	Survey Mapping-Sidewalk-Asphalt Surface
V-SWLK-BRNG	Survey Mapping-Sidewalk-Bearings
V-SWLK-CONC	Survey Mapping-Sidewalk-Concrete Surface – <b>Concrete Pavers on Plan</b>
V-SWLK-DIMS	Survey Mapping-Sidewalk-Dimensions
V-SWLK-IDEN	Survey Mapping-Sidewalk-Identification
V-SWLK-KEYN	Survey Mapping-Sidewalk-Keynotes
V-SWLK-LABL	Survey Mapping-Sidewalk-Labels
V-SWLK-MARK	Survey Mapping-Sidewalk-Markers
V-SWLK-MATC	Survey Mapping-Sidewalk-Match Lines
V-SWLK-NOTE	Survey Mapping-Sidewalk-Notes
V-SWLK-NPLT	Survey Mapping-Sidewalk-Non Plotting Info
V-SWLK-PATT	Survey Mapping-Sidewalk-Hatch Pattern
V-SWLK-RDME	Survey Mapping-Sidewalk-Readme Layer
V-SWLK-REDL	Survey Mapping-Sidewalk-Redlines
V-SWLK-REFR	Survey Mapping-Sidewalk-Reference Files
V-SWLK-REVC	Survey Mapping-Sidewalk-Revision Clouds
V-SWLK-REVS	Survey Mapping-Sidewalk-Revisions
V-SWLK-SYMB	Survey Mapping-Sidewalk-Reference Symbols
V-SWLK-TABL	Survey Mapping-Sidewalk-Data Tables
V-SWLK-TEXT	Survey Mapping-Sidewalk-Text
<b>V-TOPO</b>	<b>Survey Mapping-Topography</b>
V-TOPO-BORE	Survey Mapping-Topography-Test Borings
V-TOPO-BRNG	Survey Mapping-Topography-Bearings
V-TOPO-DIMS	Survey Mapping-Topography-Dimensions

V-TOPO-EWAT	Survey Mapping-Topography-Edge of Water
V-TOPO-GRID	Survey Mapping-Topography-Coordinate Grid
V-TOPO-IDEN	Survey Mapping-Topography-Identification
V-TOPO-KEYN	Survey Mapping-Topography-Keynotes
V-TOPO-LABL	Survey Mapping-Topography-Labels
V-TOPO-MAJR	Survey Mapping-Topography-Major Contours
V-TOPO-MARK	Survey Mapping-Topography-Markers
V-TOPO-MATC	Survey Mapping-Topography-Match Lines
V-TOPO-MINR	Survey Mapping-Topography-Minor Contours
V-TOPO-NOTE	Survey Mapping-Topography-Notes
V-TOPO-NPLT	Survey Mapping-Topography-Non Plotting Info
V-TOPO-PATT	Survey Mapping-Topography-Hatch Pattern
V-TOPO-RDME	Survey Mapping-Topography-Readme Layer
V-TOPO-REDL	Survey Mapping-Topography-Redlines
V-TOPO-REFR	Survey Mapping-Topography-Reference Files
V-TOPO-REVC	Survey Mapping-Topography-Revision Clouds
V-TOPO-REVS	Survey Mapping-Topography-Revisions
V-TOPO-SOUN	Survey Mapping-Topography-Soundings
V-TOPO-SPOT	Survey Mapping-Topography-Spot Elevations
V-TOPO-SYMB	Survey Mapping-Topography-Reference Symbols
V-TOPO-TABL	Survey Mapping-Topography-Data Tables
V-TOPO-TEXT	Survey Mapping-Topography-Text
<b>V-UNID</b>	<b>Survey Mapping-Unidentified Site Objects</b>
V-UNID-BRNG	Survey Mapping-Unidentified Site Objects-Bearings
V-UNID-CABL	Survey Mapping-Unidentified Site Objects-Cable
V-UNID-DIMS	Survey Mapping-Unidentified Site Objects-Dimensions
V-UNID-IDEN	Survey Mapping-Unidentified Site Objects-Identification
V-UNID-KEYN	Survey Mapping-Unidentified Site Objects-Keynotes
V-UNID-LABL	Survey Mapping-Unidentified Site Objects-Labels
V-UNID-MARK	Survey Mapping-Unidentified Site Objects-Markers
V-UNID-MATC	Survey Mapping-Unidentified Site Objects-Match Lines
V-UNID-NOTE	Survey Mapping-Unidentified Site Objects-Notes
V-UNID-NPLT	Survey Mapping-Unidentified Site Objects-Non Plotting Info
V-UNID-PATT	Survey Mapping-Unidentified Site Objects-Hatch Pattern
V-UNID-PIPE	Survey Mapping-Unidentified Site Objects-Piping
V-UNID-RDME	Survey Mapping-Unidentified Site Objects-Readme Layer
V-UNID-REDL	Survey Mapping-Unidentified Site Objects-Redlines
V-UNID-REFR	Survey Mapping-Unidentified Site Objects-Reference Files

V-UNID-REVC	Survey Mapping-Unidentified Site Objects-Revision Clouds
V-UNID-REVS	Survey Mapping-Unidentified Site Objects-Revisions
V-UNID-SYMB	Survey Mapping-Unidentified Site Objects-Reference Symbols
V-UNID-TABL	Survey Mapping-Unidentified Site Objects-Data Tables
V-UNID-TANK	Survey Mapping-Unidentified Site Objects-Storage Tanks
V-UNID-TEXT	Survey Mapping-Unidentified Site Objects-Text
V-UNID-UTIL	Survey Mapping-Unidentified Site Objects-Utilities
V-UNID-UTIL-OVHD	Survey Mapping-Unidentified Site Objects-Utility Lines Overhead
V-UNID-UTIL-UNDR	Survey Mapping-Unidentified Site Objects-Utility Lines Underground

<b>V-WATR</b>	
<b>Survey Mapping-Water Supply</b>	

V-WATR-BRNG	Survey Mapping-Water Supply-Bearings
V-WATR-DIMS	Survey Mapping-Water Supply-Dimensions
V-WATR-IDEN	Survey Mapping-Water Supply-Identification
V-WATR-INST	Survey Mapping-Water Supply-Instrumentation
V-WATR-KEYN	Survey Mapping-Water Supply-Keynotes
V-WATR-LABL	Survey Mapping-Water Supply-Labels
V-WATR-MARK	Survey Mapping-Water Supply-Markers
V-WATR-MATC	Survey Mapping-Water Supply-Match Lines
V-WATR-MHOL	Survey Mapping-Water Supply-Manhole
V-WATR-NOTE	Survey Mapping-Water Supply-Notes
V-WATR-NPLT	Survey Mapping-Water Supply-Non Plotting Info
V-WATR-PATT	Survey Mapping-Water Supply-Hatch Pattern
V-WATR-PIPE	Survey Mapping-Water Supply-Piping
V-WATR-RDME	Survey Mapping-Water Supply-Readme Layer
V-WATR-REDL	Survey Mapping-Water Supply-Redlines
V-WATR-REFR	Survey Mapping-Water Supply-Reference Files
V-WATR-REVC	Survey Mapping-Water Supply-Revision Clouds
V-WATR-REVS	Survey Mapping-Water Supply-Revisions
V-WATR-STRC	Survey Mapping-Water Supply-Structures
V-WATR-SYMB	Survey Mapping-Water Supply-Reference Symbols
V-WATR-TABL	Survey Mapping-Water Supply-Data Tables
V-WATR-TEXT	Survey Mapping-Water Supply-Text
V-WATR-UNDR	Survey Mapping-Water Supply-Underground Piping

## 7.17 Telecommunications Layers

LAYER	DESCRIPTION
<b>X-XXXX layers are place holders only do not use</b>	
<b>T-ALRM Telecommunications-Alarm System</b>	
T-ALRM-1LIN	Telecommunications-Alarm System- <b>One Line Diagram</b>
T-ALRM-BRNG	Telecommunications-Alarm System-Bearings
T-ALRM-DIAG	Telecommunications-Alarm System-Diagrams
T-ALRM-DIMS	Telecommunications-Alarm System-Dimensions
T-ALRM-EQPM	Telecommunications-Alarm System-Equipment
T-ALRM-IDEN	Telecommunications-Alarm System-Identification
T-ALRM-JACK	Telecommunications-Alarm System-Jacks
T-ALRM-JBOX	Telecommunications-Alarm System-Junction Box
T-ALRM-KEYN	Telecommunications-Alarm System-Keynotes
T-ALRM-LABL	Telecommunications-Alarm System-Labels
T-ALRM-MARK	Telecommunications-Alarm System-Markers
T-ALRM-MATC	Telecommunications-Alarm System-Match Lines
T-ALRM-NOTE	Telecommunications-Alarm System-Notes
T-ALRM-NPLT	Telecommunications-Alarm System-Non Plotting Info
T-ALRM-PATT	Telecommunications-Alarm System-Hatch Pattern
T-ALRM-RDME	Telecommunications-Alarm System-Readme Layer
T-ALRM-REDL	Telecommunications-Alarm System-Redlines
T-ALRM-REFR	Telecommunications-Alarm System-Reference Files
T-ALRM-REVC	Telecommunications-Alarm System-Revision Clouds
T-ALRM-REVS	Telecommunications-Alarm System-Revisions
T-ALRM-RISR	Telecommunications-Alarm System- <b>Riser Diagrams</b>
T-ALRM-SYMB	Telecommunications-Alarm System-Reference Symbols
T-ALRM-TABL	Telecommunications-Alarm System-Data Tables
T-ALRM-TEXT	Telecommunications-Alarm System-Text
<b>T-ANNO Telecommunications-Annotation</b>	
T-ANNO-1LIN	Telecommunications-Annotation-One Line Diagram
T-ANNO-BRNG	Telecommunications-Annotation-Bearings
T-ANNO-DIAG	Telecommunications-Annotation-Diagrams
T-ANNO-DIMS	Telecommunications-Annotation-Dimensions
T-ANNO-EQPM	Telecommunications-Annotation-Equipment
T-ANNO-IDEN	Telecommunications-Annotation-Identification

T-ANNO-JACK	Telecommunications-Annotation-Jacks
T-ANNO-JBOX	Telecommunications-Annotation-Junction Box
T-ANNO-KEYN	Telecommunications-Annotation-Keynotes
T-ANNO-LABL	Telecommunications-Annotation-Labels
T-ANNO-MARK	Telecommunications-Annotation-Markers
T-ANNO-MATC	Telecommunications-Annotation-Match Lines
T-ANNO-NOTE	Telecommunications-Annotation-Notes
T-ANNO-NPLT	Telecommunications-Annotation-Non Plotting Info
T-ANNO-PATT	Telecommunications-Annotation-Hatch Pattern
T-ANNO-RDME	Telecommunications-Annotation-Readme Layer
T-ANNO-REDL	Telecommunications-Annotation-Redlines
T-ANNO-REFR	Telecommunications-Annotation-Reference Files
T-ANNO-REVC	Telecommunications-Annotation-Revision Clouds
T-ANNO-REVS	Telecommunications-Annotation-Revisions
T-ANNO-RISR	Telecommunications-Annotation-Riser Diagrams
T-ANNO-SYMB	Telecommunications-Annotation-Reference Symbols
T-ANNO-TABL	Telecommunications-Annotation-Data Tables
T-ANNO-TEXT	Telecommunications-Annotation-Text

<b>T-BELL</b>	<b>Telecommunications-Bell System</b>
---------------	---------------------------------------

T-BELL-1LIN	Telecommunications-Bell System-One Line Diagram
T-BELL-BRNG	Telecommunications-Bell System-Bearings
T-BELL-DIAG	Telecommunications-Bell System-Diagrams
T-BELL-DIMS	Telecommunications-Bell System-Dimensions
T-BELL-EQPM	Telecommunications-Bell System-Equipment
T-BELL-IDEN	Telecommunications-Bell System-Identification
T-BELL-JACK	Telecommunications-Bell System-Jacks
T-BELL-JBOX	Telecommunications-Bell System-Junction Box
T-BELL-KEYN	Telecommunications-Bell System-Keynotes
T-BELL-LABL	Telecommunications-Bell System-Labels
T-BELL-MARK	Telecommunications-Bell System-Markers
T-BELL-MATC	Telecommunications-Bell System-Match Lines
T-BELL-NOTE	Telecommunications-Bell System-Notes
T-BELL-NPLT	Telecommunications-Bell System-Non Plotting Info
T-BELL-PATT	Telecommunications-Bell System-Hatch Pattern
T-BELL-RDME	Telecommunications-Bell System-Readme Layer
T-BELL-REDL	Telecommunications-Bell System-Redlines
T-BELL-REFR	Telecommunications-Bell System-Reference Files

T-BELL-REVC	Telecommunications-Bell System-Revision Clouds
T-BELL-REVS	Telecommunications-Bell System-Revisions
T-BELL-RISR	Telecommunications-Bell System-Riser Diagrams
T-BELL-SYMB	Telecommunications-Bell System-Reference Symbols
T-BELL-TABL	Telecommunications-Bell System-Data Tables
T-BELL-TEXT	Telecommunications-Bell System-Text
<b>T-CABL</b>	<b>Telecommunications-Cable System</b>
T-CABL-1LIN	Telecommunications-Cable System-One Line Diagram
T-CABL-BRNG	Telecommunications-Cable System-Bearings
T-CABL-COAX	Telecommunications-Cable System-Coaxial
T-CABL-DIAG	Telecommunications-Cable System-Diagrams
T-CABL-DIMS	Telecommunications-Cable System-Dimensions
T-CABL-EQPM	Telecommunications-Cable System-Equipment
T-CABL-FIBR	Telecommunications-Cable System-Fibre Optic
T-CABL-IDEN	Telecommunications-Cable System-Identification
T-CABL-JACK	Telecommunications-Cable System-Jacks
T-CABL-JBOX	Telecommunications-Cable System-Junction Box
T-CABL-KEYN	Telecommunications-Cable System-Keynotes
T-CABL-LABL	Telecommunications-Cable System-Labels
T-CABL-MARK	Telecommunications-Cable System-Markers
T-CABL-MATC	Telecommunications-Cable System-Match Lines
T-CABL-MULT	Telecommunications-Cable System-Multi Conductor
T-CABL-NOTE	Telecommunications-Cable System-Notes
T-CABL-NPLT	Telecommunications-Cable System-Non Plotting Info
T-CABL-PATT	Telecommunications-Cable System-Hatch Pattern
T-CABL-RDME	Telecommunications-Cable System-Readme Layer
T-CABL-REDL	Telecommunications-Cable System-Redlines
T-CABL-REFR	Telecommunications-Cable System-Reference Files
T-CABL-REVC	Telecommunications-Cable System-Revision Clouds
T-CABL-REVS	Telecommunications-Cable System-Revisions
T-CABL-RISR	Telecommunications-Cable System-Riser Diagrams
T-CABL-SYMB	Telecommunications-Cable System-Reference Symbols
T-CABL-TABL	Telecommunications-Cable System-Data Tables
T-CABL-TEXT	Telecommunications-Cable System-Text
T-CABL-TRAY	Telecommunications-Cable System-Cable Tray and Wireway
<b>T-CATV</b>	<b>Telecommunications-Cable Television System</b>



T-CATV-1LIN	Telecommunications-Cable Television System- <b>One Line Diagram – Videoconference Wiring Schematic</b>
T-CATV-BRNG	Telecommunications-Cable Television System-Bearings
T-CATV-DIAG	Telecommunications-Cable Television System-Diagrams
T-CATV-DIMS	Telecommunications-Cable Television System-Dimensions
T-CATV-EQPM	Telecommunications-Cable Television System-Equipment
T-CATV-IDEN	Telecommunications-Cable Television System-Identification
T-CATV-JACK	Telecommunications- <b>Cable Television System-Jacks</b>
T-CATV-JBOX	Telecommunications-Cable Television System-Junction Box
T-CATV-KEYN	Telecommunications-Cable Television System-Keynotes
T-CATV-LABL	Telecommunications-Cable Television System-Labels
T-CATV-MARK	Telecommunications-Cable Television System-Markers
T-CATV-MATC	Telecommunications-Cable Television System-Match Lines
T-CATV-NOTE	Telecommunications-Cable Television System-Notes
T-CATV-NPLT	Telecommunications-Cable Television System-Non Plotting Info
T-CATV-PATT	Telecommunications-Cable Television System-Hatch Pattern
T-CATV-RDME	Telecommunications-Cable Television System-Readme Layer
T-CATV-REDL	Telecommunications-Cable Television System-Redlines
T-CATV-REFR	Telecommunications-Cable Television System-Reference Files
T-CATV-REVC	Telecommunications-Cable Television System-Revision Clouds
T-CATV-REVS	Telecommunications-Cable Television System-Revisions
T-CATV-SCHD	Telecommunications-Cable Television System-Schedules
T-CATV-SYMB	Telecommunications-Cable Television System-Reference Symbols
T-CATV-TABL	Telecommunications-Cable Television System-Data Tables
T-CATV-TEXT	Telecommunications-Cable Television System-Text
<b>T-CCTV</b>	<b>Telecommunications-Closed Curcuit Television System</b>

T-CCTV-1LIN	Telecommunications-Closed Curcuit Television System-One Line Diagram
T-CCTV-BRNG	Telecommunications-Closed Curcuit Television System-Bearings – <b>Security Camera Cables on Plan</b>
T-CCTV-DIAG	Telecommunications-Closed Curcuit Television System-Diagrams
T-CCTV-DIMS	Telecommunications-Closed Curcuit Television SystemDimensions
T-CCTV-EQPM	Telecommunications-Closed Curcuit Television System-Equipment
T-CCTV-IDEN	Telecommunications-Closed Curcuit Television SystemIdentification
T-CCTV-JACK	Telecommunications-Closed Curcuit Television System-Jacks
T-CCTV-JBOX	Telecommunications-Closed Curcuit Television System-Junction Box

T-CCTV-KEYN	Telecommunications-Closed Circuit Television System-Keynotes
T-CCTV-LABL	Telecommunications-Closed Circuit Television System-Labels
T-CCTV-MARK	Telecommunications-Closed Circuit Television System-Markers
T-CCTV-MATC	Telecommunications-Closed Circuit Television System-Match Lines
T-CCTV-NOTE	Telecommunications-Closed Circuit Television System-Notes
T-CCTV-NPLT	Telecommunications-Closed Circuit Television System-Non Plotting Info
T-CCTV-PATT	Telecommunications-Closed Circuit Television System-Hatch Pattern
T-CCTV-RDME	Telecommunications-Closed Circuit Television System-Readme Layer
T-CCTV-REDL	Telecommunications-Closed Circuit Television System-Redlines
T-CCTV-REFR	Telecommunications-Closed Circuit Television System-Reference Files
T-CCTV-REVC	Telecommunications-Closed Circuit Television System-Revision Clouds
T-CCTV-REVS	Telecommunications-Closed Circuit Television System-Revisions
T-CCTV-RISR	Telecommunications-Closed Circuit Television System-Riser Diagrams
T-CCTV-SYMB	Telecommunications-Closed Circuit Television System-Reference Symbols
T-CCTV-TABL	Telecommunications-Closed Circuit Television System-Data Tables
T-CCTV-TEXT	Telecommunications-Closed Circuit Television System-Text
<b>T-CLOK</b>	<b>Telecommunications-Clock System</b>
T-CLOK-1LIN	Telecommunications-Clock System-One Line Diagram
T-CLOK-BRNG	Telecommunications-Clock System-Bearings
T-CLOK-DIAG	Telecommunications-Clock System-Diagrams
T-CLOK-DIMS	Telecommunications-Clock System-Dimensions
T-CLOK-EQPM	Telecommunications- <b>Clock System-Equipment</b>
T-CLOK-IDEN	Telecommunications-Clock System-Identification
T-CLOK-JACK	Telecommunications-Clock System-Jacks
T-CLOK-JBOX	Telecommunications-Clock System-Junction Box
T-CLOK-KEYN	Telecommunications-Clock System-Keynotes
T-CLOK-LABL	Telecommunications-Clock System-Labels
T-CLOK-MARK	Telecommunications-Clock System-Markers
T-CLOK-MATC	Telecommunications-Clock System-Match Lines
T-CLOK-NOTE	Telecommunications-Clock System-Notes

T-CLOK-NPLT	Telecommunications-Clock System-Non Plotting Info
T-CLOK-PATT	Telecommunications-Clock System-Hatch Pattern
T-CLOK-RDME	Telecommunications-Clock System-Readme Layer
T-CLOK-REDL	Telecommunications-Clock System-Redlines
T-CLOK-REFR	Telecommunications-Clock System-Reference Files
T-CLOK-REVC	Telecommunications-Clock System-Revision Clouds
T-CLOK-REVS	Telecommunications-Clock System-Revisions
T-CLOK-RISR	Telecommunications-Clock System-Riser Diagrams
T-CLOK-SYMB	Telecommunications-Clock System-Reference Symbols
T-CLOK-TABL	Telecommunications-Clock System-Data Tables
T-CLOK-TEXT	Telecommunications-Clock System-Text
<b>T-DATA</b>	<b>Telecommunications-Data or LAN System</b>

T-DATA-1LIN	Telecommunications-Data or LAN System- <b>One Line Diagram – Data Single Line Riser Diagram</b>
T-DATA-BRNG	Telecommunications-Data or LAN System-Bearings
T-DATA-DIAG	Telecommunications-Data or LAN System-Diagrams
T-DATA-DIMS	Telecommunications-Data or LAN System-Dimensions
T-DATA-EQPM	Telecommunications-Data or LAN System-Equipment – <b>Wireless Routers, WiFi, Data Racks</b>
T-DATA-IDEN	Telecommunications-Data or LAN System-Identification
T-DATA-JACK	Telecommunications-Data or LAN System-Jacks
T-DATA-JBOX	Telecommunications-Data or LAN System-Junction Box
T-DATA-KEYN	Telecommunications-Data or LAN System-Keynotes
T-DATA-LABL	Telecommunications-Data or LAN System-Labels
T-DATA-MARK	Telecommunications-Data or LAN System-Markers
T-DATA-MATC	Telecommunications-Data or LAN System-Match Lines
T-DATA-NOTE	Telecommunications-Data or LAN System-Notes
T-DATA-NPLT	Telecommunications-Data or LAN System-Non Plotting Info
T-DATA-PATT	Telecommunications-Data or LAN System-Hatch Pattern
T-DATA-RDME	Telecommunications-Data or LAN System-Readme Layer
T-DATA-REDL	Telecommunications-Data or LAN System-Redlines
T-DATA-REFR	Telecommunications-Data or LAN System-Reference Files
T-DATA-REVC	Telecommunications-Data or LAN System-Revision Clouds
T-DATA-REVS	Telecommunications-Data or LAN System-Revisions
T-DATA-RISR	Telecommunications-Data or LAN <b>System-Riser Diagrams</b>
T-DATA-SYMB	Telecommunications-Data or LAN System-Reference Symbols
T-DATA-TABL	Telecommunications-Data or LAN System-Data Tables
T-DATA-TEXT	Telecommunications-Data or LAN System-Text

T-DICT	Telecommunications-Dictation System
T-DICT-1LIN	Telecommunications-Dictation System-One Line Diagram
T-DICT-BRNG	Telecommunications-Dictation System-Bearings
T-DICT-DIAG	Telecommunications-Dictation System-Diagrams
T-DICT-DIMS	Telecommunications-Dictation System-Dimensions
T-DICT-EQPM	Telecommunications-Dictation System-Equipment
T-DICT-IDEN	Telecommunications-Dictation System-Identification
T-DICT-JACK	Telecommunications-Dictation System-Jacks
T-DICT-JBOX	Telecommunications-Dictation System-Junction Box
T-DICT-KEYN	Telecommunications-Dictation System-Keynotes
T-DICT-LABL	Telecommunications-Dictation System-Labels
T-DICT-MARK	Telecommunications-Dictation System-Markers
T-DICT-MATC	Telecommunications-Dictation System-Match Lines
T-DICT-NOTE	Telecommunications-Dictation System-Notes
T-DICT-NPLT	Telecommunications-Dictation System-Non Plotting Info
T-DICT-PATT	Telecommunications-Dictation System-Hatch Pattern
T-DICT-RDME	Telecommunications-Dictation System-Readme Layer
T-DICT-REDL	Telecommunications-Dictation System-Redlines
T-DICT-REFR	Telecommunications-Dictation System-Reference Files
T-DICT-REVC	Telecommunications-Dictation System-Revision Clouds
T-DICT-REVS	Telecommunications-Dictation System-Revisions
T-DICT-RISR	Telecommunications-Dictation System-Riser Diagrams
T-DICT-SYMB	Telecommunications-Dictation System-Reference Symbols
T-DICT-TABL	Telecommunications-Dictation System-Data Tables
T-DICT-TEXT	Telecommunications-Dictation System-Text
T-ELEC	Telecommunications-Electrical System
T-ELEC-1LIN	Telecommunications-Electrical System-One Line Diagram
T-ELEC-BRNG	Telecommunications-Electrical System-Bearings - <b>Phone, Data, Security Backer Boards (Plywood)</b>
T-ELEC-DIAG	Telecommunications-Electrical System-Diagrams
T-ELEC-DIMS	Telecommunications-Electrical System-Dimensions
T-ELEC-EQPM	Telecommunications-Electrical System-Equipment – <b>Power Voice Data Floor Monuments</b>
T-ELEC-IDEN	Telecommunications-Electrical System-Identification
T-ELEC-JACK	Telecommunications-Electrical System-Jacks
T-ELEC-JBOX	Telecommunications-Electrical System-Junction Box

T-ELEC-KEYN	Telecommunications-Electrical System-Keynotes
T-ELEC-LABL	Telecommunications-Electrical System-Labels
T-ELEC-MARK	Telecommunications-Electrical System-Markers
T-ELEC-MATC	Telecommunications-Electrical System-Match Lines
T-ELEC-NOTE	Telecommunications-Electrical System-Notes
T-ELEC-NPLT	Telecommunications-Electrical System-Non Plotting Info
T-ELEC-PATT	Telecommunications-Electrical System-Hatch Pattern
T-ELEC-RDME	Telecommunications-Electrical System-Readme Layer
T-ELEC-REDL	Telecommunications-Electrical System-Redlines
T-ELEC-REFR	Telecommunications-Electrical System-Reference Files
T-ELEC-REVC	Telecommunications-Electrical System-Revision Clouds
T-ELEC-REVS	Telecommunications-Electrical System-Revisions
T-ELEC-RISR	Telecommunications-Electrical System-Riser Diagrams
T-ELEC-SYMB	Telecommunications-Electrical System-Reference Symbols
T-ELEC-TABL	Telecommunications-Electrical System-Data Tables
T-ELEC-TEXT	Telecommunications-Electrical System-Text
<b>T-EMCS</b>	<b>Telecommunications-Energy Monitoring Control System</b>

T-EMCS-1LIN	Telecommunications-Energy Monitoring Control System-One Line Diagram
T-EMCS-BRNG	Telecommunications-Energy Monitoring Control System-Bearings
T-EMCS-DIAG	Telecommunications-Energy Monitoring Control System-Diagrams
T-EMCS-DIMS	Telecommunications-Energy Monitoring Control SystemDimensions
T-EMCS-EQPM	Telecommunications-Energy Monitoring Control SystemEquipment – <b>Control Monitoring Boards/Panels</b>
T-EMCS-IDEN	Telecommunications-Energy Monitoring Control SystemIdentification
T-EMCS-JACK	Telecommunications-Energy Monitoring Control System-Jacks
T-EMCS-JBOX	Telecommunications-Energy Monitoring Control System-Junction Box
T-EMCS-KEYN	Telecommunications-Energy Monitoring Control System-Keynotes
T-EMCS-LABL	Telecommunications-Energy Monitoring Control System-Labels
T-EMCS-MARK	Telecommunications-Energy Monitoring Control System-Markers
T-EMCS-MATC	Telecommunications-Energy Monitoring Control System-Match Lines
T-EMCS-NOTE	Telecommunications-Energy Monitoring Control System-Notes
T-EMCS-NPLT	Telecommunications-Energy Monitoring Control System-Non Plotting Info

T-EMCS-PATT	Telecommunications-Energy Monitoring Control System-Hatch Pattern
T-EMCS-RDME	Telecommunications-Energy Monitoring Control System-Readme Layer
T-EMCS-REDL	Telecommunications-Energy Monitoring Control System-Redlines
T-EMCS-REFR	Telecommunications-Energy Monitoring Control System-Reference Files
T-EMCS-REVC	Telecommunications-Energy Monitoring Control System-Revision Clouds
T-EMCS-REVS	Telecommunications-Energy Monitoring Control System-Revisions
T-EMCS-RISR	Telecommunications-Energy Monitoring Control System-Riser Diagrams
T-EMCS-SYMB	Telecommunications-Energy Monitoring Control System-Reference Symbols
T-EMCS-TABL	Telecommunications-Energy Monitoring Control System-Data Tables
T-EMCS-TEXT	Telecommunications-Energy Monitoring Control System-Text
<b>T-FIRE</b>	<b>Telecommunications-Fire Alarm System</b>

T-FIRE-1LIN	Telecommunications-Fire Alarm System-One Line Diagram
T-FIRE-BRNG	Telecommunications-Fire Alarm System-Bearings
T-FIRE-DIAG	Telecommunications-Fire Alarm System-Diagrams
T-FIRE-DIMS	Telecommunications-Fire Alarm System-Dimensions
T-FIRE-EQPM	Telecommunications-Fire Alarm System-Equipment
T-FIRE-IDEN	Telecommunications-Fire Alarm System-Identification
T-FIRE-JACK	Telecommunications-Fire Alarm System-Jacks
T-FIRE-JBOX	Telecommunications-Fire Alarm System-Junction Box
T-FIRE-KEYN	Telecommunications-Fire Alarm System-Keynotes
T-FIRE-LABL	Telecommunications-Fire Alarm System-Labels
T-FIRE-MARK	Telecommunications-Fire Alarm System-Markers
T-FIRE-MATC	Telecommunications-Fire Alarm System-Match Lines
T-FIRE-NOTE	Telecommunications-Fire Alarm System-Notes
T-FIRE-NPLT	Telecommunications-Fire Alarm System-Non Plotting Info
T-FIRE-PATT	Telecommunications-Fire Alarm System-Hatch Pattern
T-FIRE-RDME	Telecommunications-Fire Alarm System-Readme Layer
T-FIRE-REDL	Telecommunications-Fire Alarm System-Redlines
T-FIRE-REFR	Telecommunications-Fire Alarm System-Reference Files
T-FIRE-REVC	Telecommunications-Fire Alarm System-Revision Clouds
T-FIRE-REVS	Telecommunications-Fire Alarm System-Revisions

T-FIRE-RISR	Telecommunications-Fire Alarm System-Riser Diagrams – <b>Control Riser Diagram</b>
T-FIRE-SYMB	Telecommunications-Fire Alarm System-Reference Symbols
T-FIRE-TABL	Telecommunications-Fire Alarm System-Data Tables
T-FIRE-TEXT	Telecommunications-Fire Alarm System-Text
<b>T-INTC</b>	<b>Telecommunications-Intercom System</b>
T-INTC-1LIN	Telecommunications-Intercom System-One Line Diagram
T-INTC-BRNG	Telecommunications-Intercom System-Bearings
T-INTC-DIAG	Telecommunications-Intercom System-Diagrams
T-INTC-DIMS	Telecommunications-Intercom System-Dimensions
T-INTC-EQPM	Telecommunications- <b>Intercom System-Equipment</b>
T-INTC-IDEN	Telecommunications-Intercom System-Identification
T-INTC-JACK	Telecommunications-Intercom System-Jacks
T-INTC-JBOX	Telecommunications-Intercom System-Junction Box
T-INTC-KEYN	Telecommunications-Intercom System-Keynotes
T-INTC-LABL	Telecommunications-Intercom System-Labels
T-INTC-MARK	Telecommunications-Intercom System-Markers
T-INTC-MATC	Telecommunications-Intercom System-Match Lines
T-INTC-NOTE	Telecommunications-Intercom System-Notes
T-INTC-NPLT	Telecommunications-Intercom System-Non Plotting Info
T-INTC-PATT	Telecommunications-Intercom System-Hatch Pattern
T-INTC-RDME	Telecommunications-Intercom System-Readme Layer
T-INTC-REDL	Telecommunications-Intercom System-Redlines
T-INTC-REFR	Telecommunications-Intercom System-Reference Files
T-INTC-REVC	Telecommunications-Intercom System-Revision Clouds
T-INTC-REVS	Telecommunications-Intercom System-Revisions
T-INTC-RISR	Telecommunications-Intercom System-Riser Diagrams
T-INTC-SYMB	Telecommunications-Intercom System-Reference Symbols
T-INTC-TABL	Telecommunications-Intercom System-Data Tables
T-INTC-TEXT	Telecommunications-Intercom System-Text
<b>T-NURS</b>	<b>Telecommunications-Nurse Call System</b>
T-NURS-1LIN	Telecommunications-Nurse Call System-One Line Diagram
T-NURS-BRNG	Telecommunications-Nurse Call System-Bearings
T-NURS-DIAG	Telecommunications-Nurse Call System-Diagrams
T-NURS-DIMS	Telecommunications-Nurse Call System-Dimensions

T-NURS-EQPM	Telecommunications-Nurse Call System-Equipment - <b>Defibrillators</b>
T-NURS-IDEN	Telecommunications-Nurse Call System-Identification
T-NURS-JACK	Telecommunications-Nurse Call System-Jacks
T-NURS-JBOX	Telecommunications-Nurse Call System-Junction Box
T-NURS-KEYN	Telecommunications-Nurse Call System-Keynotes
T-NURS-LABL	Telecommunications-Nurse Call System-Labels
T-NURS-MARK	Telecommunications-Nurse Call System-Markers
T-NURS-MATC	Telecommunications-Nurse Call System-Match Lines
T-NURS-NOTE	Telecommunications-Nurse Call System-Notes
T-NURS-NPLT	Telecommunications-Nurse Call System-Non Plotting Info
T-NURS-PATT	Telecommunications-Nurse Call System-Hatch Pattern
T-NURS-RDME	Telecommunications-Nurse Call System-Readme Layer
T-NURS-REDL	Telecommunications-Nurse Call System-Redlines
T-NURS-REFR	Telecommunications-Nurse Call System-Reference Files
T-NURS-REVC	Telecommunications-Nurse Call System-Revision Clouds
T-NURS-REVS	Telecommunications-Nurse Call System-Revisions
T-NURS-RISR	Telecommunications-Nurse Call System-Riser Diagrams
T-NURS-SYMB	Telecommunications-Nurse Call System-Reference Symbols
T-NURS-TABL	Telecommunications-Nurse Call System-Data Tables
T-NURS-TEXT	Telecommunications-Nurse Call System-Text
<b>T-PGNG</b>	<b>Telecommunications-Paging System</b>
T-PGNG-1LIN	Telecommunications-Paging System-One Line Diagram
T-PGNG-BRNG	Telecommunications-Paging System-Bearings
T-PGNG-DIAG	Telecommunications-Paging System-Diagrams
T-PGNG-DIMS	Telecommunications-Paging System-Dimensions
T-PGNG-EQPM	Telecommunications-Paging System-Equipment – <b>Paging Speakers</b>
T-PGNG-IDEN	Telecommunications-Paging System-Identification
T-PGNG-JACK	Telecommunications-Paging System-Jacks
T-PGNG-JBOX	Telecommunications-Paging System-Junction Box
T-PGNG-KEYN	Telecommunications-Paging System-Keynotes
T-PGNG-LABL	Telecommunications-Paging System-Labels
T-PGNG-MARK	Telecommunications-Paging System-Markers
T-PGNG-MATC	Telecommunications-Paging System-Match Lines
T-PGNG-NOTE	Telecommunications-Paging System-Notes
T-PGNG-NPLT	Telecommunications-Paging System-Non Plotting Info
T-PGNG-PATT	Telecommunications-Paging System-Hatch Pattern



T-PGNG-RDME	Telecommunications-Paging System-Readme Layer
T-PGNG-REDL	Telecommunications-Paging System-Redlines
T-PGNG-REFR	Telecommunications-Paging System-Reference Files
T-PGNG-REVC	Telecommunications-Paging System-Revision Clouds
T-PGNG-REVS	Telecommunications-Paging System-Revisions
T-PGNG-RISR	Telecommunications-Paging System-Riser Diagrams
T-PGNG-SYMB	Telecommunications-Paging System-Reference Symbols
T-PGNG-TABL	Telecommunications-Paging System-Data Tables
T-PGNG-TEXT	Telecommunications-Paging System-Text

<b>T-PHON</b>	<b>Telecommunications-Telephone System</b>
---------------	--

T-PHON-1LIN	Telecommunications-Telephone System-One Line Diagram
T-PHON-BRNG	Telecommunications-Telephone System-Bearings
T-PHON-DIAG	Telecommunications-Telephone System-Diagrams
T-PHON-DIMS	Telecommunications-Telephone System-Dimensions
T-PHON-EQPM	Telecommunications-Telephone System-Equipment - <b>Telephones</b>
T-PHON-IDEN	Telecommunications-Telephone System-Identification
T-PHON-JACK	Telecommunications-Telephone System-Jacks – <b>Telephone Jacks</b>
T-PHON-JBOX	Telecommunications-Telephone System-Junction Box
T-PHON-KEYN	Telecommunications-Telephone System-Keynotes
T-PHON-LABL	Telecommunications-Telephone System-Labels
T-PHON-MARK	Telecommunications-Telephone System-Markers
T-PHON-MATC	Telecommunications-Telephone System-Match Lines
T-PHON-NOTE	Telecommunications-Telephone System-Notes
T-PHON-NPLT	Telecommunications-Telephone System-Non Plotting Info
T-PHON-PATT	Telecommunications-Telephone System-Hatch Pattern – Hatch Patters
T-PHON-RDME	Telecommunications-Telephone System-Readme Layer
T-PHON-REDL	Telecommunications-Telephone System-Redlines
T-PHON-REFR	Telecommunications-Telephone System-Reference Files
T-PHON-REVC	Telecommunications-Telephone System-Revision Clouds
T-PHON-REVS	Telecommunications-Telephone System-Revisions
T-PHON-RISR	Telecommunications-Telephone System-Riser Diagrams
T-PHON-SYMB	Telecommunications-Telephone System-Reference Symbols
T-PHON-TABL	Telecommunications-Telephone System-Data Tables
T-PHON-TEXT	Telecommunications-Telephone System-Text

<b>T-SERT</b>	<b>Telecommunications-Security System</b>
---------------	---

T-SERT-1LIN	Telecommunications-Security System- <b>One Line Diagram</b>
T-SERT-BRNG	Telecommunications-Security System-Bearings
T-SERT-DIAG	Telecommunications-Security System-Diagrams
T-SERT-DIMS	Telecommunications-Security System-Dimensions
T-SERT-EQPM	Telecommunications-Security System-Equipment – <b>Security Cameras, Card Readers, Door Contacts, Right to Exit, Duress Buttons, Duress Lights, Turnstiles, Doorbells</b>
T-SERT-IDEN	Telecommunications-Security System-Identification – <b>Block Attributes</b>
T-SERT-JACK	Telecommunications-Security System-Jacks
T-SERT-JBOX	Telecommunications-Security System-Junction Box
T-SERT-KEYN	Telecommunications-Security System-Keynotes
T-SERT-LABL	Telecommunications-Security System-Labels
T-SERT-MARK	Telecommunications-Security System-Markers
T-SERT-MATC	Telecommunications-Security System-Match Lines
T-SERT-NOTE	Telecommunications-Security System-Notes
T-SERT-NPLT	Telecommunications-Security System-Non Plotting Info
T-SERT-PATT	Telecommunications-Security System-Hatch Pattern
T-SERT-RDME	Telecommunications-Security System-Readme Layer
T-SERT-REDL	Telecommunications-Security System-Redlines
T-SERT-REFR	Telecommunications-Security System-Reference Files
T-SERT-REVC	Telecommunications-Security System-Revision Clouds
T-SERT-REVS	Telecommunications-Security System-Revisions
T-SERT-RISR	Telecommunications-Security System-Riser Diagrams
T-SERT-SYMB	Telecommunications-Security System-Reference Symbols
T-SERT-TABL	Telecommunications-Security System-Data Tables
T-SERT-TEXT	Telecommunications-Security System- <b>Text</b>
<b>T-SOUN</b>	<b>Telecommunications-Sound System</b>

T-SOUN-1LIN	Telecommunications-Sound System-One Line Diagram
T-SOUN-BRNG	Telecommunications-Sound System-Bearings
T-SOUN-DIAG	Telecommunications-Sound System-Diagrams
T-SOUN-DIMS	Telecommunications-Sound System-Dimensions
T-SOUN-EQPM	Telecommunications-Sound System-Equipment – <b>Speakers, Sound Masking Equipment, Microphones</b>
T-SOUN-IDEN	Telecommunications-Sound System-Identification
T-SOUN-JACK	Telecommunications-Sound System-Jacks – <b>Hearing Assist Jack</b>
T-SOUN-JBOX	Telecommunications-Sound System-Junction Box
T-SOUN-KEYN	Telecommunications-Sound System-Keynotes

T-SOUN-LABL	Telecommunications-Sound System-Labels
T-SOUN-MARK	Telecommunications-Sound System-Markers
T-SOUN-MATC	Telecommunications-Sound System-Match Lines
T-SOUN-NOTE	Telecommunications-Sound System-Notes
T-SOUN-NPLT	Telecommunications-Sound System-Non Plotting Info
T-SOUN-PATT	Telecommunications-Sound System-Hatch Pattern
T-SOUN-RDME	Telecommunications-Sound System-Readme Layer
T-SOUN-REDL	Telecommunications-Sound System-Redlines
T-SOUN-REFR	Telecommunications-Sound System-Reference Files
T-SOUN-REVC	Telecommunications-Sound System-Revision Clouds
T-SOUN-REVS	Telecommunications-Sound System-Revisions
T-SOUN-RISR	Telecommunications-Sound System-Riser Diagrams
T-SOUN-SYMB	Telecommunications-Sound System-Reference Symbols
T-SOUN-TABL	Telecommunications-Sound System-Data Tables
T-SOUN-TEXT	Telecommunications-Sound System-Text
<b>T-TVAN</b>	<b>Telecommunications-Television Antenna System</b>
T-TVAN-1LIN	Telecommunications-Television Antenna System-One Line Diagram
T-TVAN-BRNG	Telecommunications-Television Antenna System-Bearings
T-TVAN-DIAG	Telecommunications-Television Antenna System-Diagrams
T-TVAN-DIMS	Telecommunications-Television Antenna System-Dimensions
T-TVAN-EQPM	Telecommunications-Television Antenna System-Equipment – <b>Roof Antennas &amp; Satellite Dishes</b>
T-TVAN-IDEN	Telecommunications-Television Antenna System-Identification
T-TVAN-JACK	Telecommunications-Television Antenna System-Jacks
T-TVAN-JBOX	Telecommunications-Television Antenna System-Junction Box
T-TVAN-KEYN	Telecommunications-Television Antenna System-Keynotes
T-TVAN-LABL	Telecommunications-Television Antenna System-Labels
T-TVAN-MARK	Telecommunications-Television Antenna System-Markers
T-TVAN-MATC	Telecommunications-Television Antenna System-Match Lines
T-TVAN-NOTE	Telecommunications-Television Antenna System-Notes
T-TVAN-NPLT	Telecommunications-Television Antenna System-Non Plotting Info
T-TVAN-PATT	Telecommunications-Television Antenna System-Hatch Pattern
T-TVAN-RDME	Telecommunications-Television Antenna System-Readme Layer
T-TVAN-REDL	Telecommunications-Television Antenna System-Redlines
T-TVAN-REFR	Telecommunications-Television Antenna System-Reference Files
T-TVAN-REVC	Telecommunications-Television Antenna System-Revision Clouds
T-TVAN-REVS	Telecommunications-Television Antenna System-Revisions

T-TVAN-RISR	Telecommunications-Television Antenna System-Riser Diagrams
T-TVAN-SYMB	Telecommunications-Television Antenna System-Reference Symbols
T-TVAN-TABL	Telecommunications-Television Antenna System-Data Tables
T-TVAN-TEXT	Telecommunications-Television Antenna System-Text

### 7.18 Status Extensions Layers

Layer Status Extensions	
LAYER	DESCRIPTION

1	Phase 1
2	Phase 2
3	Phase 3
4	Phase 4
5	Phase 5
6	Phase 6
7	Phase 7
8	Phase 8
9	Phase 9
D	Existing to Demolish
E	Existing to Remain
F	Future Work
M	Items to be Moved
N	New Work
T	Temporary Work
X	Not in Contract

Examples	
A-WALL-FULL-1	Architectural Walls Full Phase 1
A-WALL-FULL-2	Architectural Walls Full Phase 2
A-WALL-FULL-3	Architectural Walls Full Phase 3
A-WALL-FULL-D	Architectural Walls Full Demo

A-WALL-FULL-E	Architectural Walls Full Existing
A-WALL-FULL-F	Architectural Walls Full Future Work
A-WALL-FULL-M	Architectural Walls Full Items to be moved
A-WALL-FULL-N	Architectural Walls Full New Work
A-WALL-FULL-T	Architectural Walls Full Temporary Work
A-WALL-FULL-X	Architectural Walls Full Not in Contract