

1.0.0 OVERVIEW

This standard pertains to the use, production and submittal of electronic CAD information to the Plant Engineering and Planning Office of Central Michigan University (CMU). This standard has been developed to provide direction to consultants performing work for CMU. Prior to the commencement of any work, Consultants shall contact the Plant Engineering and Planning Office for the most current release of this document. This information is also available on the Facilities Management Web page at www.fmgt.cmich.edu under Design Standards. It shall be noted that the most efficient and effective use of CAD is not necessarily the initial generation of the drawing file, but the capability to easily modify and reuse the file in the future. Therefore, there shall be no restriction by the provider on the ownership of the files including the distribution of CAD files, or parts thereof, at CMU's discretion. By establishing and adhering to a common set of standards, CMU can achieve significant benefits including a layering and file naming standard based on the U.S. National CAD Standard, AIA Layer Guidelines, and the Uniform Drawing System. It is important to note that these standards, as with any office standards are constantly being revised and updated to keep pace with changing technology and construction practices.

2.0.0 USER RESPONSIBILITY

Adherence to the standards and procedures contained herein is essential to preserving a consistent and standardized character in the drawings maintained by CMU. This will increase the efficient use of project time and management. Modifications to the standards and procedures in this manual may be necessary for specific situations. Proposed modifications and or deviations from this standard must be approved in writing by the CAD Manager. **Do not make arbitrary changes without prior approval.** Internal change recommendations to this manual shall be directed to the CAD Manager in writing detailing:

- Why the current procedure is not adequate
- What the proposed modification or addition should be
- How it would improve the existing standards and procedures
- Use of the CAD Standard Modification form in Appendix A is required

3.0.0 GENERAL REQUIREMENTS

3.0.1 RECORD Drawing Building Set

1) CD in AutoCAD Architecture 2009 format. For Civil Engineering project AutoCAD Civil 3D 2009. **No other formats will be accepted.**

Contact the CAD Manager for the most current version used by CMU.

2) Other software may be used in the production of CAD files for CMU; however, it is the Consultant's responsibility to ensure *COMPLETE* AutoCAD compatibility and data integrity. CAD drawings shall be identical to hard copy versions submitted.

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3) A complete list of layers for each drawing and descriptions of each layer, as well as color, line type, line weight and text styles shall be part of submittal of record information. A hard copy and electronic matrix format is recommended.

3.0.2 CMU Drawing Template

Architects and Engineers shall use "CMU_Master" drawing template when creating a drawing. This template contains CMU's standard title block(s), in various size formats and layering system. If the architect or engineers has a need to create additional layers they must follow the naming convention identified for each discipline. Unused layers shall be purged from the drawing prior to submitting final record CAD drawings.

3.0.3 Terms and Abbreviations

Architects and Engineers shall use CMU Standard terms and Abbreviations as found in Appendix A.

4.0.0 MEDIA

4.0.1 MEDIA TYPES and COMPRESSION

Electronic data shall be submitted to CMU on CD (2 copies required). All submittals are required to be submitted to the University Project Manager via CD (2 copies required). The Project Manager shall distribute one copy to the CAD Manager who will transfer the files onto the server and be copied to the appropriate titled project folder.

4.0.2 REQUIRED DOCUMENTATION

The electronic data deliverable package shall be submitted on accepted media and accompanied by a hardcopy description of the submittal. The package will include:

- A hard copy on color bond paper identical to the electronic file, for maximum reproducibility.
- An electronic file of Final Record Drawings in PDF format and CAD format

4.0.3 MEDIA LABELLING

All media submitted to CMU shall be labeled as follows:

CENTRAL MICHIGAN UNIVERSITY

Date

Jan 1, 2005

Facility Building Code

MU

Facility Name

Music Building

Central Michigan University CMU Proj # 652811

Project Title Music Building Construction Plans

Discipline Folder Mechanical

Filename(s) on disk

List by Title and drawing number

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4.0.4 FILE DESCRIPTION

Each submittal shall be accompanied by a Letter of Transmittal that identifies the media, quantity, status, and description of its contents including file names.

5.0.0 REQUIRED DATA

5.0.1. FILE TYPES

The files which are to be included in any submittal shall fall into the following three categories: Text, Drawing and Raster.

5.0.1.1 Text Files

The only types of text files to be included in the deliverables are File Descriptions and Specifications unless otherwise directed by CMU. File descriptions shall be in ASCII file format and will have the extension TXT. Specifications shall be submitted in Microsoft Word (DOC) or Adobe Acrobat (PDF). *No other formats will be accepted.*

5.0.1.2 Drawing Files

The only types of drawing files to be included in the deliverables shall be in AutoCAD and will have the DWG extension. *DXF files will not be accepted*.

5.0.1.3 Raster Files

The only types of raster or image files that shall be accepted are TIFF, JPG, BMP or WMF.

5.0.2 FILE INFORMATION

All information included in hard copy submittals shall be included in electronic data deliverables.

- If blocks are used in the documents, then they are to be consistent throughout. For example, if fixture "A" is a block, then all locations where fixture "A" is shown shall be of the same block.
- Any reference files or block files pertinent to the content of the master file are required data and shall be included in the File Description.

5.0.2.1 File Format

All submittals shall be clearly and systematically organized incorporating acceptable standard drafting practices. All submittals to CMU shall have colors set by layer, not by entity. Graphic elements representing a physical component of the project (i.e., lines indicating a wall or a block indicating a light fixture) shall be shown only one time in the submittals. If additional references to the object are needed in additional drawing files they shall be shown via an external reference of the original file.



5.0.2.2 File Size and Organization

It is the responsibility of the Consultant to organize drawing information coherently and maintain reasonable file sizes. Major contributors to excessive file sizes are unreferenced blocks, redundant line work and hatches. Files **shall be purged** before submittal to remove unnecessary data to reduce file size.

5.0.2.3 Copy and Compression Format

Files requiring less than one disk for transmittal shall be written to a CD-R disk and be properly labeled.

5.0.2.4 Externally Referenced Files

When submitting the electronic AutoCAD drawings, Consultants must bind all externally referenced drawings. Drawings submitted without external references bound shall be rejected.

5.0.2.5 Document File Format

There shall be one drawing file, saved in a plot-ready format, corresponding to each hard copy submittal sheet. Document files shall be formatted utilizing paper space. Plotting shall take place from paper space at a scale of 1 = 1.

5.0.2.6 File Naming

All files included in the electronic data deliverable package shall conform to the file naming convention that is based on Uniform Drawing System published by CSI. Alternative file naming conventions may be utilized only with prior written approval. Approval of alternate naming conventions is solely at the discretion of the CAD Manager.

Similar name guidelines have been defined for both Model and Sheet file types. The first character is the discipline code designator, then a hyphen.

5.0.2.6a Model file name example: A-111

This applies to both file types and must be one of the following:

- Architectural Α
- C Civil
- Ε Electrical
- FA Fire Alarm
- FP Fire Protection
- G General
- Η Hazardous Material
- **Interiors**



- K Kitchen Equipment
- L Landscape
- M Mechanical
- P Plumbing
- Q Equipment
- Resource R
- S Structural
- Т Communications
- X Other disciplines
- U **Utilities Infrastructure**
- \mathbf{Z} Contractor/Shop drawings

5.0.2.6b Sheet File Names and Numbering

Refer to the CMU Sheet Number Matrix in Appendix B.

6.0.0 DRAWING FORMATS AND GRAPHICS

Sheet borders, title block and data, Consultant's license stamp, logos, and all other components of the master drawing sheet shall be located in paper space. All graphic representations of the project or facility and all related notes, dimensions, symbols, etc., shall be constructed in model space. All graphic entities shall be comprised of representational and geometrically accurate entities, e.g. a circle shall be represented by circle entity and not a visually equivalent collection of line segments. Items shown in a dashed line type shall be created with the "LINETYPE" feature and not by individual line elements.

6.0.1 AutoCAD compatibility

CAD File deliverables shall be in AutoCAD format. All files delivered to CMU shall be thoroughly tested for compatibility and integrity. Files delivered to CMU shall be free of any copyrighted or other material whose distribution is prohibited.

6.0.2 Entities

All graphic entities shall be comprised of representational and geometrically accurate entities.

- For example: A circle shall be represented by a circle entity and not a visually equivalent collection of line segments. Items shown in a dashed line type shall be created with the "LINETYPE" feature and not by individual line elements. These characteristics are typical of files that have been converted from some other format and are not be acceptable.
- Files in which all blocks are exploded or all data is on a single layer *are* unacceptable. Good drawing technique goes a long way in AutoCAD drawings and all submittals to CMU shall be of the highest quality.



- The following are considered poor technique and shall not be present in CAD products delivered to CMU. Redundant Lines There shall be no redundant lines. These typically are forms of multiple line segments in the same place or two segments joined to make a single segment. This also applies to text entities.
- Redundant Blocks— Care shall be taken to ensure that only one insertion occurs for a block and that the block itself only contains one copy of the image.
- Open Intersections— One of the most important and basic tools used in CAD is object snap. By using snap, the CAD operator is sure to produce clean and closed intersections. Intersections are very important since they provide accurate snap positions and are required as part of area boundaries.
- All entities shall be colored 'BYLAYER' and not individually by entity. No use
 of Yellow is permitted. It may be desirable on-screen but is practically illegible
 when plotted.
- If the drawing is to be three dimensional than it should be consistently and accurately drawn as such, otherwise it is a two dimensional drawing and all 'Z' coordinates shall be 0, 0.
- All blocks shall be created from layer "0".
- Nested blocks shall be avoided.
- No information shall be stored on layer "0".
- Blocks shall not be mirrored. (Mirrored blocks cannot be exploded and their attributes cannot be edited).
- Temporary blocks used during file creation or editing shall be exploded and purged.
- Both model and **paper space** (preferred) origins shall be 0, 0.
- Drawings shall be saved with the ACAD.MNU as the current menu.
- Exterior drawings shall be created with appropriate University Control Points as their starting point.

7.0.0 DRAWING ENVIRONMENT

AutoCAD allows the choice between two drawing environments: model space and paper space. Model space is AutoCAD's working mode for creating the model. The model is a subset of a building's geometry and its physical components such as walls, doors, windows, columns, beams, outlets, ducts, etc. The model **shall always be** drawn at full scale (1:1). Paper space enables one to take the model and create a variety of views or scales for plotting. Each sheet represents one plotted drawing at full scale.

7.0.1 Paper Space

The primary drawing shall be submitted in paper space or converted from model space to paper space for an As-Built submission The features represented in paper space shall be scaled to fit on the sheet. The various views of the drawings are referenced. General project graphic elements

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such as title blocks, legends, key plans, plan titles, riser, schematic diagrams, and sheet specific notes shall be drawn in paper space.

7.0.2 Model Space

The drawing or model shall be created in model space and drawn at full scale (1:1). Any additional items that help define the model or add model data such as details, schedules, or sections shall also be drawn at full scale in model space. Consistency in keeping related model elements in model space along with proper layer assignments will allow the use of x-refs and the ability to keep information dynamic and updated among disciplines.

7.0.3 Standard Coordinate System

All drawings utilizing a coordinate system shall correspond to the North American Datum, 1983 (NAD 83), Michigan State Plane System, South Zone in international feet, for all map and plan view files.

7.0.4 Prototype Drawing Files

Prototype drawing files and symbols shall be utilized as provided by the CMU. These shall include but not be limited to title sheets, formatted drawing files, drawing symbology, and other blocks. Blocks containing attribute fields shall be filled out.

8.0.0 STANDARD SHEET SIZES AND FORMATS

All project drawing sheets shall be D size 24 x 36. Alternate sheet sizes must be approved by CMU prior to implementation. They are as follows:

- A size Plot 8 1/2" x 11"
- B size Plot- 11" x 17" •
- E size Plot 30" x 42"

9.0.0 GRAPHICS

9.0.1 Text

All text shall be created only with standard AutoCAD or standard Windows TrueType fonts. Exceptions shall be approved by the CAD Manager, and the source font files shall be included in the root directory of all electronic submittals. All text sizes shall be plotted and displayed in accordance with the following minimum sizes:

- Schedules 3/32"
- Dimensions and Notes 3/32"
- Grid Numbers 3/16"
- Sheet Detail Title 3/16"
- Sheet Title—3/16"
- Sheet Number 3/16'



9.0.2 Special Entity Requirements

Common symbols, doors, windows, equipment, etc. shall be inserted as blocks. Room numbers are very important to CMU's CAD files. They are used to provide real data throughout the CMU. A standard block named "RMNO" Shall be used and shall contain attribute data including not only associative data such as room number, area and perimeter, but also the entity handle of the polyline with which it is associated. All Record Drawing submissions shall contain CMU building room numbers, not the Construction or Consultant's numbers. This information shall be included in the ANNO-IDEN layer within the drawing.

9.0.3 Dimensioning

All dimensions shown in the project submittals shall be fully associative. Dimension definition points shall be located with an appropriate Object Snap (End Point, Mid Point, etc.) or otherwise located precisely on the project geometry. Manual input of dimension text or over-riding the actual dimensions are *not acceptable*. With the following exception, CMU will allow over-riding of associative dimensions in "Enlarged Detail" where building components must be exaggerated for clarity.

9.0.4 Line types

9.0.5 Fill and Hatch Patterns

Vector fill patterns are acceptable but excessive use is discouraged as they make files unnecessarily large. In many circumstances solids may be used instead of hatches. All consultants shall be responsible for keeping files sizes within manageable limits.

9.06 Line Weights

Preliminary Recommendations:

Consultants shall be solely responsible for the production and appearance of their hard copy submittals. Consultants shall supply line weight requirements for proper printing of documentation by CMU personnel and shall include this information on submitted CD's.



DEVIATION FORM

All proposals, that have any practice deviation (modifies, substitutes or deletes) from CMU's CAD Standards must be accompanied by this form, submitted to the CAD Manager for approval.
CMU Project #: (To be filled in by CMU)
Project Title:
CSI related section:
CMU Standards related section:
New proposed practice:
Rationale for using new practice:
State operational benefits (if any) that accrue to CMU as a result of the proposed deviation:
Estimated project cost increase or decrease: \$
Failure to comply with this requirement shall result in the Responsible Party, being obligated for all costs
associated with changes in the field that are necessary to comply with CMU's Planning and Design Standards, in accordance with Section 00010.02.
Signature & Date: Consultant Signature & Date of CMU Approval Facilities Management

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CAD Manager



DOCUMENT CONTROL PAGE:

Document Published:	January 24, 2006
Prepared By:	John Latoski, Dan Methner
Reviewed By:	Linda Slater, John Latoski, Andy Reihl
Approved By:	Steve Lawrence

Revision History:

Date	Revision	Approved By:
1.31.12	Revised standard based upon deviation requests and comments from architects and engineers using the standard	Steve Lawrence

APPENDIX A

Central Michigan University Standard Abbreviations

Abbreviation	Term	Shared Abbreviation
1PH	Single-phase	
1P	Single pole	
1WAY	One way	
2/C	Two-conductor	
2WAY	Two-way	
3/C	Three-conductor	
3РН	Three-phase	
3PLY	Three-ply	
3WAY	Three-way	
4/C	Four-conductor	
4OUT	Quadruple receptacle outlet	
4PDT	Four-pole double throw	
4PST	Four-pole single throw	
4W	Four-wire	
4WAY	Four-way	
	A	
ABAN	Abandon	
ABBRV	Abbreviation	
ABNL	Abnormal	
AFC	Above finished counter	automatic frequency control
AFF	Above finished floor	
AFG	Above finished grade	
AFS	Above finished slab	
ASC	Above suspended ceiling	amps short circuit; asphalt surface course
ABRSV	Abrasive	
На	Abrasive hardness	
ABRSV RES	Abrasive resistant	
ABS	Absolute	acrylonitrile butadiene styrene
ABSORB	Absorption	
ACS DR	Access door	
ACS FLR	Access floor	
ACS PNL	Access panel	
ACC	Accessible	
ACID RES	Acid resistant	
ACID RES CI	Acid resistant cast iron	
ACID RES P	Acid resistant pipe	

AV Acid AW Acid AWL Acid pH Acid ACST Acou ACT Acou ACOUS INSUL Acou ACOUS PNL Acou APC Acou Acou	I resistant waste I vent I waste I waste I waste line I/Alkaline scale ustic ustic Calking ustical ceiling tile ustical insulation ustical panel ustical panel	air vent; audio visual actual weight; architectural woodwork
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APC Acou	_	
Acou	ustical panel soiling	
L L	ustical panel cennig	
ATC Acor	ustical plaster	
1110	ustical tile ceiling	
AWT Acou	ustical wall treatment	
ACR Acro	OSS	
ABS Acry	ylonitrle butadiene styrene	absolute
AW Actu	ıal weight	acid waste; architectural woodwork
ADDM Adde	endum	
ADDL Addi	itional	
ADH Adhe	esive	
ADJ Adja	acent	adjoining; adjustable
ADJ Adjo	oining	adjacent; adjustable
ADJ Adju	ustable	adjacent; adjoining
ADMIN Adm	ninistration	
AGGR Aggr	regate	
ABC Aggr	regate base course	Associated Builders and Contractors
A Air ((compressed)	
A/C Air o	condition	
A/C UNIT Air o	conditioning unit	
ACCU Air o	cooled condensing unit	
AHU Air l	handling unit	
APD Air p	pressure drop	
APR Air p	pressure return line	
AS Air s	separator	ammeter switch
ASU Air s	supply unit	
AV Air v	vent	acid vent; audio visual
	water pump	
ALM Alar	m	
AAP Alar	m annunciator panel	
	nment	
	wance	
ALTRN Alter	ration	
ALT Alter	rnate	altitude
ALT NO Alter	rnate number	
AC Alter	rnating current	armored cable; asbestos cement; asphaltic concrete
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ALUM Aluminum ACSR Aluminum able steel reinforced AMB Ambient AAMA American Architectural Manufacturers Association AACE American Association of Cost Engineers ACI American Concrete Institute AGA American Gas Association AIA American Institute of Architects AISC American Institute of Architects AISC American Institute of Architects AISC American Institute of Architects ANSI American Institute of Steel Construction ANSI American National Standards Institute APA American Plywood Association ASTIM American Nociety for Testing and Materials ASCE American Society of Civil Engineers ASHRAE American Society of Heating, Refrigerating, and Air Conditioning Engineers ASME American Society of Heating, Refrigerating, and Air Conditioning Engineers ASME American Steel wire gauge ASWA American Water Works Association AWS American Water Works Association AWS American Wetling Society AWG American Wetling Society AWG American wire gauge AWPA American wire gauge AWPA American wire gauge AWPA American with Disabilities Act AS Ammeter switch AS Ammeter switch AS Ammeter with AMP Ampere AH Ampere hour AIC Ampere interrupting capacity AMPL Amplitude modulation ASC Ampere interrupting capacity AMPL Amplitude modulation ASC Ampere hour AIC Ampere hour AIC Ampere hour AIC Ampere interrupting capacity AMPL Amplitude modulation ASC Ampere hour AIC Ampere hour AIC Andeor Ampere hour AIC Ampere hour ARB Anchor bolt ETC And so forth et ectera Biter ANG AM Ameri	ALT	Altitude	alternate
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APPD	Approved	
APPROX	Approximate	
ARCH	Architect	
A/E	Architect/Engineer	
ASI	Architect's Supplemental Instruction	
ARF	Architectural finish	
AW	Architectural woodwork	acid waste; actual weight
AWI	Architectural Woodworking Institute	, ,
AD	Area drain	
AC	Armored cable	alternating current; asbestos cement; asphaltic concrete
ART	Article	
AR	As required	
ASB	Asbestos	
AC	Asbestos cement	alternating current; armored cable; asphaltic concrete
	As-built As-built	
ASPH	Asphalt	
AI	Asphalt Institute	
	Asphalt roofing	
ASC	Asphalt surface course	above suspended ceiling; amps short circuit
AC	Asphaltic concrete	alternating current; armored cable; asbestos cement
ACP	Asphaltic concrete paving	automatic control panel
ACU	Assembled cooling unit	
ASSY	Assembly	
ABC	Associated Builders and Contractors	aggregate base course
AGC	Associated General Contractors	
ASSN	Association	
APT	Association for Preservation Technology	apartment
ASYM	Asymmetrical	
APP	Atactic propylene	appearance
ATM	Atmosphere	automatic teller machine
ATCH	Attachment	
ATTN	Attention	
AF	Audio frequency	
AV	Audio visual	acid vent; air vent
AHJ	Authority having jurisdiction	
AUTO XFMR	Auto transformer	
AUTO	Automatic	
AAD	Automatic air damper	
AAV	Automatic air vent	
ACHKV	Automatic check valve	
ACP	Automatic control panel	asphaltic concrete paving
ACS	Automatic control system	
ACV	Automatic control valve	
ADC	Automatic door closer	

ADS	Automatic door seal	
AFC	Automatic frequency control	above finished counter
ASKLR	Automatic sprinkler	
ASD	Automatic sprinkler drain	
ASR	Automatic sprinkler riser	
ATM	Automatic teller machine	atmosphere
ATS	Automatic transfer switch	•
AUX	Auxiliary	
APU	Auxiliary power unit	
AVE	Avenue	
AVG	Average	
AWN WDW	Awning window	
AX FL	Axial flow	
AZ	Azimuth	
	В	
BC	Back of Curb	between centers; bolt circle; bookcase; bottom chord; brick color; building code
B/B	Back to back	
BKBD	Backboard	
BDD	Backdraft damper	
BFP	Backflow preventer	
BKGD	Background	
BKG	Backing	
	Backing rope	
BAF	Baffle	
BAG	Baggage	
BAL	Balance	
BALC	Balcony	
	Balestrades	
BV	Ball valve	
BLST	Ballast	
B&B	Balled and Burlapped	bell and bell; grade B or better (lumber)
	Bar joists	
BBR	Base board radiator	
BL	Base line	building line
B PL	Base plate	
BB	Baseboard	bulletin board
BSMT	Basement	
BIL	Basic insulation level	
BT	Bathtub	
	Batt insulation	
BAT	Batten	battery
BAT	Battery	batten
BAY WDW DH	Bay window double hung	
BM	Beam	benchmark; bending moment
S BM	Beam, standard	, ,
	<u> </u>	

	Beam, wide flange	
BRG	Bearing	
BRG PL	Bearing plate	
BJT	Bed joint	
BDNG	Bedding	
BR	Bedroom	
B&B	Bell and bell	balled and burlapped; grade B or better (lumber)
B&F	Bell and flange	
B&S	Bell and spigot	
BL MTH	Bell mouth	
BLW	Below	
BLW CLG	Below ceiling	
BFF	Below finish floor	
BM	Benchmark	beam; bending moment
BM	Bending moment	beam; benchmark
BTR	Better	
BTWN	Between	
BC	Between centers	back of curb; bolt circle; bookcase; bottom chord; brick color; building code
BEV	Bevel	
BI FLD DR	Bifolding doors	
BWG	Birmingham wire gauge	
BITUM	Bituminous	
BSP	Black steel pipe	
	Blackboard	
BLKT	Blanket	
	Block	
BLWDN	Blowdown	
BLO	Blower	
ВО	Blowoff	
ВО	Board	butterfly damper
BD FT	Board feet (foot)	the state of the s
B/M	Board measure	
BLR	Boiler	
BFBP	Boiler feed booster pump	
BFW	Boiler feedwater	
BFWP	Boiler feedwater pump	
BLR HP	Boiler horsepower	
BC	Bolt circle	back of curb; between centers; bookcase; bottom chord; brick color; building code
BNDG	Bonding	
BC	Bookcase	back of curb; between centers; bolt circle; bottom chord; brick color; building code
BSTR	Booster	

BLT	Borrowed light	built
BF	Both faces	bottom face
BS	Both sides	
BW	Both ways	
ВОТ	Bottom	bottom
BC	Bottom chord	back of curb; between centers; bolt circle; bottom chord; brick color; building code
BOT F	Bottom face	
BOT D	Bottom of duct	bottom of duct
BOT P	Bottom of pipe	bottom of pipe
BOS	Bottom of steel	
BLVD	Boulevard	
BDRY	Boundary	
BRCG	Bracing	
BRKT	Bracket	
ВНР	Brake horsepower	
BRKR	Breaker	
ВС	Brick color	back of curb; between centers; bolt circle; bookcase; bottom chord; building code
BIA	Brick Institute of America	
BRDG	Bridging	
BRDG JST	Bridging joist	
BA	Bright annealed	
Btu	British thermal unit	
Mbtu	British thermal unit (1000)	
BtuH	British thermal unit per hour	
BRZ	Bronze	
B CL	Broom closet	
BB XFMR	Buck-boast transformer	
BLD	Build	
ВНМА	Builder's Hardware Manufacturer's Association	
BLDG	Building	
BAS	Building automation system	
BC	Building code	back of curb; between centers; bolt circle; bookcase; bottom chord; brick color
BL	Building line	
BOCA	Building Officials and Code Administrators Association International	
BP	Building paper	
BLT	Built	borrowed light
BLT IN	Built-in	
BU	Built-up	bushel
BUR	Built-up roofing	
BLB T BM	Bulb tee beam	
		L

BB BPRF BN BRLP	Bulletin board Bulletproof (bullet-resistant)	baseboard
BN	Bulletproof (bullet-resistant)	
BRLP	Bullnose	
	Burlap	
BU	Bushel	built-up
BT WLD	Butt weld	
BCV	Butterfly check valve	
BD	Butterfly damper	board
BFV	Butterfly valve	
ВҮР	By pass	
	С	
CAB	Cabinet	
CUH	Cabinet unit heater	
CTV	Cable television	
CALC	Calculate	
CLKJ	Calked joint	
	Calking	
CAL	Calorie	
CAM	Camber	
cd	Candela	construction documents; contract documents
СР	Candlepower	concrete pipe; control panel
CAN	Canopy	
CANTIL	Cantilever	
CANV	Canvas	
CAP	Capacitor	capacity
CAP	Capacity	capacitor
CO2	Carbon dioxide	
СО	Carbon monoxide	cased opening; Certificate of Occupancy; cleanout; company; cutout
CPT	Carpet	control power transformer
C&P	Carpet and pad	
СВ	Carriage bolt	catch basin; cement base; ceramic base; corner bead
СО	Cased opening	carbon monoxide; Certificate of Occupancy; cleanout; company; cutout
CSMT	Casement	
CW	Casement window	chemical waste line; clockwise; cold water piping; cool white
CSWK	Casework	
CSG	Casing	
	Casing bead	
C CONC	Cast concrete	
CIP	Cast iron	curb inlet
CIP	Cast iron pipe	cast in place
CISP	Cast iron soil pipe	-

CIP Ca CAT Ca CB Ca CATW Ca CAV Ca	Cast stone Cast-in-place Catalog Catch basin Catwalk Cavity	commercial standard; control switch cast iron pipe carriage bolt; cement base; ceramic base; corner bead
CAT Ca CB Ca CATW Ca CAV Ca	atalog atch basin atwalk	carriage bolt; cement base; ceramic base;
CB Ca CATW Ca CAV Ca	Catch basin	
CATW Ca	atwalk	
CAV Ca		
	Cavity	
CLG	·	
	eiling	
CAC Ce	eiling attenuation class	
CLG DIFF Ce	eiling diffuser	
CLG DCT OUT Ce	eiling duct outlet	
CLG GRL Ce	eiling grille	
CLG HT Ce	eiling height	
Се	eiling panel	
CLG REG Ce	eiling register	
Се	eiling tile	
C Ce	elsius	channel
CEM Ce	ement	cemetery
CB Ce	ement base	carriage bolt; ceramic base; corner bead
CEM FIN Ce	ement finish	
CF Ce	ement floor	contractor furnished
CEM PLAS Ce	ement plaster	
	ement plaster ceiling	
CLG		
	ementitious (backer) board	
	emetery	cement
	enter	contour; cooling tower return
	enter line	class; close
	enter matched	construction management
	Center of gravity	common ground; corner guard
	Center to center	
	entigrade	
	Centimeter	
	Centimeter per second	
	Ceramic	
CB Ce	Geramic base	carriage bolt; catch basin; cement base; corner bead
	eramic glazed structural facing units	
	Geramic tile	count; current transformer
	Geramic tile base	
	Geramic tile floor	
CTI Ce	Geramic Tile Institute of America	
CO	Sertificate of Occupancy	carbon monoxide; cased opening; cleanout; company; cutout
CERT Ce	Certify	
CLFMI CI	Chain Link Fence Manufacturers Institute	
CHBD Cl	halkboard	

CHFR Chamfer COR Change order request C Channel Celsius CHG Charge CHK Check CHKV Check valve CHEM Chemical CW Chemical waste line casement window; clockwise; cold ware piping; cool white CDW Chilled drinking water CDWR Chilled drinking water return CDWS Chilled drinking water supply CHW Chilled water primary pump CHWP Chilled water pump CHWP Chilled water recirculating pump CHWR Chilled water recirculating pump CHWR Chilled water return CHWRP Chilled water return CHWRP Chilled water secondary pump	ter
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CHWR Chilled water return CHWSP Chilled water secondary pump	
CHWSP Chilled water secondary pump	
CHWS Chilled water supply	
CH Chiller coat hook	
CPVC Chlorinated polyvinyl chloride	
CFC Chlorofluorocarbons	
CHR PL Chrome plated	
CIR Circle	
CKT Circuit	
CKT BRKR Circuit breaker	
CIRC Circular	
CHW Circulating hot water chilled water	
CWP Circulating water pump condenser water pump	
CRCMF Circumference	
CLDG Cladding	
CL Class center line; close	
A LABEL Class A door	
B LABEL Class B door	
C LABEL Class C door	
D LABEL Class D door	
E LABEL Class E door	
CLASS Classification	
CLRM Classroom	
CO Cleanout carbon monoxide; cased opening; Certificate of Occupancy; company cutout	y;
COTG Cleanout to grade	
CLR Clear color; cooler	
CLWG Clear wired glass	
CLT Cleat	

CW	Clockwise	casement window; chemical waste line; cold water piping; cool white
CL	Close	centerline; class
CCTV	Closed circuit television	,
CLO	Closet	
CRCMF	Closet rod	control relay; control room
CLOS	Closure	
CL D	Clothes dryer	
СН	Coat hook	chiller
CTD	Coated	
CTG	Coating	
COAX	coaxial cable	
COEFF	Coefficient	
COP	Coefficient of performance (heating)	coping
CU	Coefficient of utilization	cubic; copper
CRS	Cold rolled steel	/ **
CW	Cold water	
CW SFT	Cold water soft	
CW	Cold water, piping	casement window; chemical waste line; clockwise; cool white
CFMF	Cold-formed metal framing	
CLR	Color	clear; cooler
CRI	Color rendering index	
COL	Column	
CLL	Column line	contract limit line
COMB	Combination, combined	
CS	Commercial standard	cast stone; control switch
COM	Common	
CG	Common ground	center of gravity; corner guard
CMR	Common mode rejection	
COMM	Communication	
CATV	Community antenna television	
СО	Company	carbon monoxide; cased opening; Certificate of Occupancy; cleanout; cutout
COMPT	Compartment	
COMPL	Complete	
COMP	Component	
CMPST	Composite	
CPRS	Compressible	
COMPR	Compressor	
CMPTR	Computer	
	Computer floor	
CNCL	Concealed	
CONC	Concentric	concrete
CONC	Concrete	concentric
	Concrete block	
CONC FLR	Concrete floor	

CMU	Concrete masonry unit	
CONC OPNG	Concrete opening	
PCCP	Concrete pavement	
СР	Concrete pipe	candlepower; control panel
CRSI	Concrete Reinforcing Steel Institute	
CSP	Concrete sewer pipe	
CSB	Concrete splash block	casing bead
CNDS	Condensate	
CNDP	Condensate pumped	
CNDR	Condensate return	
CRP	Condensate return pump	
CNDTP	Condensate transfer pump	
CONDN	Condensation	
COND	Condenser	condition
CWP	Condenser water pump	circulating water pump
CWR	Condenser water return	
CWS	Condenser water supply	
COND	Condition	condenser
CND	Conduit	
CONF	Conference	
CONN	Connect	
CONSTR	Construction	
CD	Construction documents	candela; contract documents
CJ	Construction joint	control joint
CM	Construction management	center matched
CSI	Construction Specifications Institute	
CONSULT	Consultant	
CNTOR	Contactor	
CONT	Continue	controller
CTR	Contour	center; cooling tower return
CONTR	Contract	contractor
CCD	Contract change directive	
CD	Contract documents	candela; construction documents
CLL	Contract limit line	column line
CONTR	Contractor	contract
CF	Contractor furnished	cement floor
CFE	Contractor furnished equipment	
CF/CI	Contractor furnished/contractor installed	
CF/OI	Contractor furnished/owner installed	
CTRL	Control	
CCR	Control contactor	
CJ	Control joint	construction joint
СР	Control panel	candlepower; concrete pipe
CPT	Control power transformer	carpet
CR	Control relay	closet rod; control room
CR	Control room	closet rod; control relay
CS	Control switch	cast stone; commercial standard
CV	Control valve	

CONT	Controller	continue
CONV	Convert	
CNVR	Conveyor	
CK TP	Cook top	
CW	Cool white	casement window; chemical waste line; clockwise; cold water piping
CWX	Cool white deluxe	
CLR	Cooler	color; clear
C/C	Cooling coil	
C/T	Cooling tower	
CTR	Cooling tower return	contour; center
CTS	Cooling tower supply	
COWR	Cooling water return	
COWS	Cooling water supply	
COORD	Coordinate	
COP	Coping	coefficient of performance (heating)
CU	Copper	coefficient of utilization; cubic
	Cork tackboard	
	Corkboard	
CNR	Corner	
СВ	Corner bead	carriage bolt; catch basin; cement base; ceramic base
CG	Corner guard	center of gravity; common ground
CORN	Cornice	
CORR	Correct	corridor
CORRES	Correspond	
CORR	Corridor	correct
	Corrugated deck	
CMP	Corrugated metal pipe	
CT	Count	ceramic tile; current transformer
CNTR	Counter	
CSK	Counter sink	
CCW	Counterclockwise	
CFLG	Counterflashing	
CPLG	Coupling	
CRT YD	Courtyard	
COV	Cover	cut off valve
COV PL	Cover plate	
СРМ	Critical path method	
X BRACE	Cross brace	
X SECT	Cross section	
XBRA	Crossbracing	
CRN	Crown	
	Crushed stone	
CU	Cubic	coefficient of utilization; copper
cm3	Cubic centimeter	
CU FT	Cubic feet	
CFM	Cubic feet per minute	

CU IN Cubic inch m3 Cubic meter m3/S Cubic meter per second mm3 Cubic millimeter CU YD Cubic yard CUB Cubic le CWB Cubic le CWB Curb and gutter CI Curb inlet cast iron CUR Current CLF Current limiting fuse CT Current stansformer ceramic tile; count CURT Custodian COV Cut off valve cover CT STN Cut stone cover CO Cutout carbon monoxide; cased opening; Certificate of Occupancy; cleanout; company CYL Cylinder Certificate of Occupancy; cleanout; company CYL Cylinder lock Certificate of Occupancy; cleanout; company DF Damage free	CFS	Cubic feet per second	
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DIM Dimension DMR Dimmer DCP Dimmer control panel DMR SW Dimmer switch DR Dining room door; drain; dressing room; drive DC Direct current DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage	DIFF	Diffuser	difference; differential
DMR Dimmer DCP Dimmer control panel DMR SW Dimmer switch DR Dining room door; drain; dressing room; drive DC Direct current DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dispenser D&S Dispenser D&S Display and storage	DGTL	Digital	
DCP Dimmer control panel DMR SW Dimmer switch DR Dining room door; drain; dressing room; drive DC Direct current DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DSP Display and storage	DIM	Dimension	
DMR SW Dimmer switch DR Dining room Direct current DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled DISCH Discharge DISC Disconnect DS Disconnect switch DW Dishwasher DISP Display and storage Disconnect D&S Display and storage Display and storage Display and storage door; drain; dressing room; drive doarin; dressing room; drive doarin; dressing room; drive doarin; dressing room; drive doarin; dressing room; drive	DMR	Dimmer	
DR Dining room door; drain; dressing room; drive DC Direct current DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect double strength (glass); downspout DW Dishwasher distilled water; domestic water D&S Dispenser D&S Display and storage	DCP	Dimmer control panel	
DC Direct current DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect witch double strength (glass); downspout DW Dispenser D&S Display and storage	DMR SW	Dimmer switch	
DDC Direct digital control DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DSS Display and storage	DR		door; drain; dressing room; drive
DIR Direction Dirt DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage	DC	Direct current	
Disable DA Disable DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Display and storage	DDC	Direct digital control	
DSBL Disable DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Display and storage	DIR	Direction	
DA Disabled drainage area DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage		Dirt	
DISCH Discharge DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage	DSBL		
DISC Disconnect DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage	DA	Disabled	drainage area
DS Disconnect switch double strength (glass); downspout DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage		Discharge	
DW Dishwasher distilled water; domestic water DISP Dispenser D&S Display and storage	DISC	Disconnect	
DISP Dispenser D&S Display and storage			
D&S Display and storage			distilled water; domestic water
1 0			
DSPL Disposal	D&S		
· · · · · · · · · · · · · · · · · · ·	DSPL	_	
DIST Distance district	DIST	Distance	
DW Distilled water dishwasher; domestic water		Distilled water	dishwasher; domestic water
DISRT PNL Distribution panel	DISRT PNL	Distribution panel	

DIST	District	distance
DIV	Divide	division
DIV	Division	divide
DOC	Document	
	Domelite	
DOM	Domestic	
DWC	Domestic water cold	
DWH	Domestic water hot	double hung windows
DW	Domestic water	dishwasher; distilled water
DWH	Domestic water heater	
DW H R	Domestic water hot return	drawer
DW H S	Domestic water hot supply	
DR	Door	dining room; drain; dressing room; drive
DR CL	Door closer	
CR FR	Door frame	
DHI	Door Hardware Institute	
DRH	Door holder	
DRLV	Door louver	
DR OPNG	Door opening	
DRST	Door stop	
DRSW	Door switch	
DBL	Double	
DBL ACT DR	Double acting door	
XXH	Double extra heavy	
DBL GLZ	Double glaze	
DH	Double hung (door, window)	
DHW	Double hung windows	domestic hot water
DJ	Double joist	
DPDT	Double pole, double throw	
DPST	Double pole, single throw	
DS	Double strength (glass)	disconnect switch; downspout
DOUG FIR	Douglas fir	
DVTL	Dovetail	
DN	Down	
DS	Downspout	disconnect switch; double strength (glass)
DOZ	Dozen	
DFTG	Drafting	
DR	Drain	dining room; door; dressing room; drive
DT	Drain tile	
DWV	Drain, waste, and vent	
DA	Drainage area	disable
DWR	Drawer	domestic water return
DWG	Drawing	
D4S	Dressed four sides	
D1S	Dressed one side	
D2S	Dressed two sides	
DR AREA	Dressing area	
DR	Dressing room	dining room; door; drain; drive

DF	Drinking fountain	damage free; diesel fuel
DF WL MTD	Drinking fountain, wall mounted	
D & T	Drip and trap	
DR	Drive	dining room; door; drain; dressing room
DI	Drop inlet	
DB	Dry bulb	database
DBT	Dry bulb temperature	
D CHEM	Dry chemical	
DFT	Dry film thickness	
DSP	Dry standpipe	
	Drywall	
DAP	Duct access panel	
DCI	Duct covering insulation	
DLI	Duct liner insulation	
DCT/RT	Duct return	
DCT/RS	Duct rising; duct riser	
DCT SUP	Duct supply	
DIP	Ductile iron pipe	
DWTR	Dumbwaiter	
DX	Duplex	
DX OUT	Duplex outlet	
DUPL	Duplicate	
DT DR	Dutch Door	
	E	
EA	Each	
EE	Each end	
EF	Each face	exterior finish
EL	Each layer	easement line; elevation
EW	Each way	
ESMT	Easement	
EL	Easement line	each layer; elevation
E	East	modulus of elasticity
ECC	Eccentric	
ECC RDCR	Eccentric reducer	
ECON	Economizer	
EG	Edge grain	
EC	Edge of curb	
EP	Edge of pavement (paving)	electrical panel (panelboard)
ES	Edge of shoulder	electrostatic
EOS	Edge of slab	
EFT	Effect	
EFF	Effective	efficiency
EHP	Effective horsepower	electric heating panel
ET	Effective temperature	
EFF	Efficiency	effective
ELAST	Elastomeric	
ELEC	Electric	
L	i	1

ELEC DR OP	Electric door opener	
EHD	Electric hand dryer	
EH	Electric heater	
EHP	Electric heating panel	effective horsepower
EMT	Electric metallic tubing	•
ENT	Electric nonmetallic tubing	
EPB	Electric panel board	
EWC	Electric water cooler	
EWH	Electric water heater	
ELEC CV	Electrical control voltage	
EO	Electrical outlet	
EP	Electrical panel (panelboard)	edge of pavement (paving)
ELEC PV	Electrical primary voltage >=4160	
ERW	Electrical resistance welding	
ELEC SV	Electrical secondary voltage <=480	
EOV	Electrically operated valve	
EM	Electromagnetic	expanded metal
EMI	Electromagnetic interference	-
EDP	Electronic data processing	
	Electro-pneumatic	
ES	Electrostatic	edge of shoulder
ELEM	Element	elementary
ELEM	Elementary	element
EL	Elevation	each layer; easement line
ELEV	Elevator	
	Elevator cab	
EMER	Emergency	
EMCP	Emergency monitoring control panel	
EPO	Emergency power off	
EMER SHR	Emergency shower	
ENAM	Enamel	
ENCL	Enclosure	
ENGY	Energy	
EER	Energy efficiency ratio	
EMS	Energy management system	
ENG	Engine	
ENGR	Engineer	
EWA	1 =	
LWA	Engineered Wood Association	
EJCDC	Engineered Wood Association Engineers Joint Contract Documents Committee	
	Engineers Joint Contract Documents	
EJCDC	Engineers Joint Contract Documents Committee	
EJCDC EAT	Engineers Joint Contract Documents Committee Entering air temperature	
EJCDC EAT EDBT	Engineers Joint Contract Documents Committee Entering air temperature Entering dry bulb temperature	
EJCDC EAT EDBT EWT	Engineers Joint Contract Documents Committee Entering air temperature Entering dry bulb temperature Entering water temperature	
EJCDC EAT EDBT EWT EWBT	Engineers Joint Contract Documents Committee Entering air temperature Entering dry bulb temperature Entering water temperature Entering wet bulb temperature	
EJCDC EAT EDBT EWT EWBT ENTR	Engineers Joint Contract Documents Committee Entering air temperature Entering dry bulb temperature Entering water temperature Entering wet bulb temperature Entering wet bulb temperature	
EJCDC EAT EDBT EWT EWBT ENTR ENVIR	Engineers Joint Contract Documents Committee Entering air temperature Entering dry bulb temperature Entering water temperature Entering wet bulb temperature Entrance Environment	

EQL SP Eq	qually spaced	
EQUIP Eq	quipment	
EQUIV Eq	quivalent	
ESCAL Es	scalator	
ESC Es	scape	escutcheon
ESC Es	scutcheon	escape
ESP Es	specially	
ESTB Es	stablish	
EST Es	stimate	
ETC Et	t cetera	and so forth
EPDM Et	thylene propylene diene monomer	
EVAC Ev	vacuate	
EVAP Ev	vaporate	
ECU Ev	vaporating cooling unit	
EX Ex	xample	
EXC Ex	xcavate	
EXCH Ex	xchanger	
EXCL Ex	xclude	
EXEC Ex	xecute	
EXH Ex	xhaust	exhibit
EXH A Ex	xhaust air	
EXH GR Ex	xhaust air grille	
EAR Ex	xhaust air register	
EXH DT Ex	xhaust duct	
EXH FN Ex	xhaust fan	
EXH HD Ex	xhaust hood	
EXHV Ex	xhaust vent	
EXH Ex	xhibit	exhaust
EXIST Ex	xisting	
EXST GR Ex	xisting grade	
ERD Ex	xisting roof drain	
EXT LT Ex	xit light	
EXP Ex	xpand	expansion; exposed
EM Ex	xpanded metal	electromagnetic
EPS Ex	xpanded polystyrene board (insulation)	
EXP Ex	xpansion	expand; exposed
EXP BT Ex	xpansion bolt	
EJ Ex	xpansion joint	
EPRF Ex	xpansion proof	
EXP Ex	xposed	expand; expansion
EXTN Ex	xtension	
	xterior	external; extinguisher
	xterior finish	each face
	xterior finish system	
	xterior grade	
EGB Ex	xterior gypsum board	
EGSB Ex	xterior gypsum sheathing board	
	xterior gypsum sheating board xterior Insulation and finish system	

EXT	External	exterior; extinguisher
EPT	External pipe thread	viivo i vii vii vii vii vii vii vii vii
ESP	External static pressure	
EXT	Extinguisher	exterior; external
XL	Extra large	CACCIOI, CACCING
XPS	Extruded polystyrene board (insulation)	
EXTRU	Extrusion	
EGRD	Eye guard	
EWS	Eye wash station	
	F	
FAB	Fabric	
FWC	Fabric wallcovering	
FA	Face area	final assembly; fire alarm; fresh air
FC BRK	Face brick	
FOC	Face of concrete	face of curb
FOC	Face of curb	face of concrete
FOF	Face of finish	fuel oil return line
FOM	Face of masonry	
FOS	Face of slab	face of stud; fuel oil supply
FOS	Face of stud	face of slab; fuel oil supply
FOW	Face of wall	
F/F	Face to face	
FV	Face velocity	flush valve; foot valve
FTD	Facial tissue dispenser	
FACIL	Facility	
FAX	Facsimile	
FAC	Factor	
FCTY	Factory	
FM	Factory mutual	
F	Fahrenheit	female; fire line
FCU	Fan coil unit	
FPT	Fan powered terminal	
FF	Far face	finish face
FS	Far side	Federal Specification; fire station; full scale; full size
FAS	Fascia	fire alarm station
FAS BD	Fascia board	
FSTNR	Fastener	
FED	Federal	
FEA	Federal Energy Administration	
FHWA	Federal Highway Administration	
FHA	Federal Housing Administration	
FS	Federal Specification	far side; fire station; full scale; full size
FSN	Federal stock number	
FSC	Federal supply classification	
FTM	Federal test methods	
FDBK	Feedback	

FDR	Feeder	fire door
FDO	Feedout	
FDW	Feedwater	
FT	Feet	fire treated; foot; fully tempered (glass)
FPM	Feet per minute	
FPS	Feet per second	
F	Female	Fahrenheit; fire line
	Feminine napkin disposal	
	Feminine napkin vendor	
FN	Fence	
	Fiber insulation	
FRG	Fiber reinforced gypsum	
FRP	Fiber reinforced polyester	fiberglass reinforced plastic
	Fiberboard	
FGL	Fiberglass	
FRP	Fiberglass reinforced plastic	fiber reinforced polyester
FIG	Figure	
FC	File cabinet	footcandle
FLR	Filler	floor
FIL	Fillet	
FLTR	Filter	
FWR P	Filter water return pool	
FWS P	Filter water supply pool	
FA	Final assembly	face area; fire alarm; fresh air
FNGR JT	Finger joint	
FIN	Finish	
FIN BS	Finish both sides	
FF	Finish face	far face
FIN FLR	Finish floor	
FF EL	Finish floor elevation	
F4S	Finish four sides	
FIN GR	Finish grade	
F2S	Finish two sides	
FIN WD	Finish wood	
F1S	Finished one side	
FO	Finished opening	fuel oil
FTR	Finned tube radiation	
FA	Fire alarm	face area; final assembly; fresh air
FAAP	Fire alarm annunciator panel	
FABL	Fire alarm bell	
FABX	Fire alarm box	
FACP	Fire alarm control panel	
FAS	Fire alarm station	fascia
FB	Fire blanket	flat bar
F BRK	Fire brick	
FDMPR	Fire damper	
FDC	Fire department connection	
FDCC	Fire department connection cabinet	

FDV	Fire department valve	
FDR	Fire door	feeder
FE	Fire extinguisher	
FEC	Fire extinguisher cabinet	
FH	Fire hose	fire hydrant; flat head; flat head screws
FHC	Fire hose cabinet	, , , ,
FHR	Fire hose rack	
FH	Fire hydrant	fire hose; flat head; flat head screws
F	Fire line	Fahrenheit; female
FP	Fire protection	fireproof; flag pole; freezing point
FPW	Fire protection water supply	
FPA	Fire rated assembly	
FR	Fire rating	fire resistant; frame
FR	Fire resistant	fire rating; frame
FRTW	Fire retardant treated wood	
FSH	Fire sprinkler head	
FSP	Fire standpipe	
FS	Fire station	far side; Federal Specifications; full scale; full size
FT	Fire treated	feet; foot; fully tempered (glass)
FW	Fire wall	flood wall
FPL	Fireplace	
FP	Fireproof	fire protection; flagpole; freezing point
FIXT	Fixture	
FP	Flagpole	fire protection; fireproof; freezing point
FLMB	Flammable	
FLG	Flange	flooring
FLRD	Flared	
FLASH	Flashing	
FB	Flat bar	fire blanket
FH	Flat head	fire hose; fire hydrant; flat head screws
FHMS	Flat head machine screw	
FH	Flat head screws	fire hose; fire hydrant; flat head
FHWS	Flat head wood screw	
FLEX	Flexible	
FL FIN CONC	Float finish concrete	
FLT GL	Float glass	
FW	Flood wall	fire wall
FLT	Floodlight	
FLR	Floor	filler
FAR	Floor area ratio	
FCO	Floor cleanout	
FD	Floor drain	
FLR FIN	Floor finish	
FL OUT	Floor outlet	
FLR PL	Floor plate	
FLR REG	Floor register	
FLR SK	Floor sink	

FLL Floorline Folding Folding Folding Farameter Folding Foldin	FLG	Flooring	flange
FSS Flow sensing switch FL SW Flow switch FL SW Flow switch FMETER Flowmeter FL OZ Fluid ounce FLUOR Fluorescent fixture LT FLUOR Fluorescent fixture LT FLUOR Fluorescent fixture FW Flushing rim sink FUT CM Flushing rim sink FUT CM Flushing rim sink FUT CM Flushing rim sink FULT CM Flushing rim sink FILUT Flushing rim sink FILUT Flushing rim sink FIRID Foll backed insulation FIRID Foll backed insulation FIRID Foll backed insulation FOLIC Foll faced drywall	FL	_	
FI.SW Flow switch FMETER Flowmeter FL.OZ Fluid once FLUOR Fluorescent FLUOR Fluorescent FLUOR Fluorescent fixture LT FLUOR Fluorescent lighting FLMT Flush mount FV Flush walve face velocity; foot valve FR SNK Flushing rim sink FLUT CMU Fluted concrete masonry unit FLUT Fluting	FLL	Flow line	
F. NETER Flowmeter F. Howneter F. L. OZ Fluid ounce FLUOR Fluorescent FLUOR Fluorescent fixture L. T. FLUOR Fluorescent lighting FLMT Flush mount FV Flush walve face velocity; foot valve FR SNK Flushing rim sink FLUT CMU Fluted concrete masonry unit FLUT Fluting Foam backer Foat face grapus mallboard Foat face velocity; flush valve Foat face veloci	FSS	Flow sensing switch	
FMETER FLOZ Fluid ounce FLUOR FLUOR Fluorescent FLUOR FIX Fluorescent lighting FLMT Flush mount FV Flush mount FUT FUS Flush mount FUT FUS Flush mount FLUT Fluing Fluid concrete masonry unit FLUT Fluing Fluid concrete masonry unit FLUT Fluid Foil backed batt insulation FF INSUL Foil backed insulation FF INSUL Foil faced drywall Fluid Fluid Fluid Fluid Foil foothout Fluid Fluid Foil foothout Fluid Fluid Fluid Fluid Foil foothout Fluid Fluid Fluid Foil foothout Fluid Fluid Fluid Fluid Foil foothout Fluid	FL SW		
FLUOR FIX Fluorescent fixture FLUOR FIX Fluorescent fixture LT FLUOR FLUT Flush mount FV Flush valve FR SNK Flushing im sink FLUT CMU Fluted concrete masonry unit FLUT Fluting FR SNK Flushing im sink FLUT Fluting FR SNK Foil backed batt insulation FF INSUL Foil backed insulation FF INSUL Foil faced drywall Foil faced grysum wallboard FLDG Foil faced grysum wallboard FLDG FOIL Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve Foot valve Foot face velocity; flush valve FT/LBF Foot/pound FT/LBF Foot/pound force FC FO Footcandle FTG Footcandle FIC Foot-lambert FIG Foot-lambert FMBD Form board FMBD Form board FWRK Formwork FOUNT Foundation FOUNT Foundation FOUNT FOUNT Foundation FR Frame F	F METER	Flowmeter	
FLUOR FIX LT FLUOR Fluorescent lighting FLMT Flush mount FV Flush valve FR SNK Flushing rim sink FLUT CW Fluted concrete masonry unit FLUT Fluting FBATT Foll backed batt insulation FF BATT Foll backed batt insulation FF INSUL Foil faced drywall FluG Foot faced gypsum willboard FT FBATT Foll backed batt insulation FFIBATE Foot Foot Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FT/LB Foot/pound FT/LBF FOOt/pound FT/LBF FOOT/pound force FC FO Footcandle FT FO Foot footlambert FIG FOOT FOOT FOOT FOOT FOOT FOOT FOOT FOO	FL OZ	Fluid ounce	
ET FLUOR Fluorescent lighting FLMT Flush mount	FLUOR	Fluorescent	
FLMT Flush mount FV Flush valve face velocity; foot valve FR SNK Flushing rim sink FLUT CMU Fluted concrete masonry unit FLUT Fluting Foam backer FF BATT Foil backed batt insulation FF INSUL Foil backed insulation FF INSUL Foil backed insulation FF INSUL Foil faced drywall FOIL faced grywall FOIL faced grywall FOIL Foot feet; fire treated; fully tempered (glass) FM Foot board measure FV Foot valve face velocity; flush valve FT/LB Foot/pound FT/LB Foot/pound FT/LBF Foot/pound FIL Foot/pound FT/LBF Foot/pound FT/LBF Foot/pound FOIL Foot-makert floorline FMBD Form board FMBD Form board FMBD Form board FMBD Form work FDTN Foundation FOUNT Fountain FR MIR Framed mirror FR MIR/SHF Framed mirror FR MIR/SHF Framed mirror FR MIR/SHF Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP FREQ Frequency FA Fresh air FAGL Fristed glass	FLUOR FIX	Fluorescent fixture	
FLMT FV Flush mount FV Flush valve FR SNK Flushing rim sink FLUT CMU Fluted concrete masonry unit FLUT Fluting	LT FLUOR	Fluorescent lighting	
FR SNK Flushing rim sink FLUT CMU Fluted concrete masonry unit FLUT Fluting	FLMT		
FLUT CMU Fluting	FV	Flush valve	face velocity; foot valve
FLUT CMU Fluting	FR SNK	Flushing rim sink	
Foam backer FF BATT Foil backed hatt insulation FF INSUL Foil backed insulation FF INSUL Foil faced drywall Foil faced gypsum wallboard FLDG Folding FT Foot Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve FT/LB Foot/pound FT/LB Foot/pound force FC Footcandle FTG Footing FL FOOT foorline FTBMD Form board FOFTIN FORMAN FRAMIR Framed mirror FR MIR/SHF FRAME Framed mirror and shelf FRMG FRAMG Freeway FRZ Freezer FSTAT Freezestat FP Freezerst FP Freezerst FREQ Freeuncy FA Gace area; final assembly; fire alarm FAI Greed FAI Gace area; final assembly; fire alarm FAI Greed FAI Greed FRIGE FRIGH FREGE FR	FLUT CMU	_	
FF BATT Foil backed batt insulation FF INSUL Foil backed insulation FF INSUL Foil backed insulation Foil faced drywall Foil faced gypsum wallboard FLDG Folding FT Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve FT/LB Foot/pound FT/LBF Foot/pound FT/LBF Foot/pound force FC FOC Footcandle file cabinet FTG Foot-lambert floorline FMBD Form board FFWK Fornwork FDTN Foundation FOUNT Foundation FOUNT Foundatin FR Frame fire rating; fire resistant FR MIR Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FAT Fresh air inlet (intake) FR GL Fritted glass	FLUT	Fluting	
FF INSUL Foil faced drywall Foil faced gypsum wallboard FLDG Folding FT Foot Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot yalve Foot/pound FTI/LBF Foot/pound FTI/LBF Foot/pound force FC FO Footandle FTG Foot ambert FLDF Foot face welocity; flush valve FTG FOOT footandle FTG Footing FO FOT footandle FTG FOOTINE FOUNT FO		Foam backer	
Foll faced drywall Fild Folding FT Foot Fedding FT Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve FT/LB Foot/pound FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board FORM Formwork FDTN Foundation FOUNT Foundation FR MIR/SHF Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fire proof; flagpole FREQ Frequency FA Life Fire fair inlet (intake) FR GL Fritted glass	FF BATT	Foil backed batt insulation	
Fild faced gypsum wallboard FLDG Folding FT Foot Foot Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve Foot/pound FT/LB Foot/pound FT/LBF Foot/pound force FC FO Footing FL Foot-lambert FMBD Form board FORME FORMOR FORMOR FOUNT FOUNT FOUNT FOUNT FR FR Frame Frame fire rating; fire resistant FR MIR/SHF FRAMG Framing FRWY Freeway FRZ FRZ Freezer FSTAT Freezestat FP Freezer FSTAT Freezestat FP Freezer FRAMG Framing FREQ Frequency FA FA Fresh air inlet (intake) FR GL FR GL Fresh air face area; final assembly; fire alarm FR GL FR GL FR GL Frestieve FR GL Frest fire treated; fully tempered (glass) feet; fire treated; fully tempered (glass) feet; fire treated; fully tempered (glass) file cabinet free velocity; flush valve file cabinet file ca	FF INSUL	Foil backed insulation	
FLDG Folding FT Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve face velocity; flush valve FT/LB Foot/pound FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board		Foil faced drywall	
FT Foot feet; fire treated; fully tempered (glass) FBM Foot board measure FV Foot valve face velocity; flush valve FT/LB Foot/pound FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board		Foil faced gypsum wallboard	
FBM Foot board measure FV Foot valve face velocity; flush valve FT/LB Foot/pound FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board	FLDG	Folding	
FV Foot valve face velocity; flush valve FT/LB Foot/pound FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board Formica FWRK Formwork FDTN Foundation FOUNT Fountain FR Frame fire rating; fire resistant FR MIR Framed mirror FR MIR/SHF Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FRT Freight FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FT	Foot	feet; fire treated; fully tempered (glass)
FT/LB Foot/pound FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board	FBM	Foot board measure	-
FT/LBF Foot/pound force FC Footcandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board	FV	Foot valve	face velocity; flush valve
FC Footandle file cabinet FTG Footing FL Foot-lambert floorline FMBD Form board Formica FWRK Formwork FDTN Foundation FOUNT Fountain FR Frame fire rating; fire resistant FR MIR/SHF Framed mirror FR MIR/SHF Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FRT Freight FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FT/LB	Foot/pound	
FTG Footing FL Foot-lambert floorline FMBD Form board Formica FWRK Formwork FDTN Foundation FOUNT Fountain FR Frame fire rating; fire resistant FR MIR Framed mirror FR MIR/SHF Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FRT Freight FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FT/LBF	Foot/pound force	
FL Foot-lambert floorline FMBD Form board Formica FWRK Formwork FDTN Foundation FOUNT Fountain FR Frame fire rating; fire resistant FR MIR Framed mirror FR MIR/SHF Framed mirror and shelf FRMG Framing FRZ Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FRT Freight FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FC	Footcandle	file cabinet
FMBD Form board Formica FWRK Formwork FDTN Foundation FOUNT Fountain FR Frame fire rating; fire resistant FR MIR Framed mirror FR MIR/SHF Framed mirror and shelf FRMG Framing FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FRT Freight FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FTG	Footing	
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FRWY Freeway FRZ Freezer FSTAT Freezestat FP Freezing point fire protection; fireproof; flagpole FRT Freight FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FR MIR/SHF	Framed mirror and shelf	
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FREQ Frequency FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass		Freezing point	fire protection; fireproof; flagpole
FA Fresh air face area; final assembly; fire alarm FAI Fresh air inlet (intake) FR GL Fritted glass	FRT	Freight	
FAI Fresh air inlet (intake) FR GL Fritted glass	FREQ	Frequency	
FR GL Fritted glass	FA	Fresh air	face area; final assembly; fire alarm
	FAI	Fresh air inlet (intake)	
	FR GL	Fritted glass	
110m moore	FFA	From floor above	

FFB From floor below FRST GL Frosted glass FO Fuel oil finished opening FO 1 Fuel oil #1 FO 2 Fuel oil #2 FO 2R Fuel oil #2 return FO 6 Fuel oil #6 FO 6R Fuel oil #6 return FOP Fuel oil pump FOR Fuel oil return FOF Fuel oil return line FOF Fuel oil storage tank FOS Fuel oil supply face of slab; face of stud FOV Fuel oil vent FHP Full height partition FLA Full load amps	
FO Fuel oil finished opening FO 1 Fuel oil #1 FO 2 Fuel oil #2 FO 2R Fuel oil #2 return FO 6 Fuel oil #6 FO 6R Fuel oil #6 return FOP Fuel oil pump FOR Fuel oil return FOF Fuel oil return line FOTK Fuel oil storage tank FOS Fuel oil supply FOV Fuel oil vent FHP Full height partition	
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FOS Fuel oil supply face of slab; face of stud FOV Fuel oil vent FHP Full height partition	
FOV Fuel oil vent FHP Full height partition	
ë 1	
FLA Full load amps	
FS Full scale far side; Federal Specification full size	ns; fire station;
FS Full size far side; Federal Specification full scale	ns; fire station;
FVNR Full voltage non-reversing	
FVR Full voltage reversing	
FT Fully tempered (glass) feet; fire treated; foot	
FURN Furnace furnish; furniture	
FURN Furnish furnace; furniture	
Furnished by owner	
FURN Furniture furnace; furnish	
FF&E Furniture, fixture, and equipment	
FURG Furring	
Fuse box	
FU SW Fused switch	
FUS LINK Fusible link	
FUT Future	
G	
GA Gage Gypsum Association	-
GAL Gallon	
GPD Gallons per day	
GPH Gallons per hour	
SGPH Gallons Per Hour, Standard	
GPM Gallons per minute	
GPS Gallons per second	
GALV Galvanic galvanized	
GALV Galvanized galvanic	
GI Galvanized iron	
GIP Galvanized iron pipe	
GSM Galvanized sheet metal	
GALV STL Galvanized steel	

G DISP	Garbage disposal	
GRDN	Garden	
GB	Gas bibb	grab bar
GWH	Gas fired water heater	8
GLN	Gas line	
GPR	Gas pressure regulator	
GVTR	Gas vent through roof	
GV	Gasoline vent	gravity vent
GTV	Gate valve	8
	Gauge	
GEN	General	generator
GEN COND	General conditions	
GC	General contractor	
GEN PURP	General purpose	
GEN	Generator	general
G	Girder	ground; natural gas
GL	Glass	ground level
GL BLK	Glass block	
GFRC	Glass-fiber reinforced concrete	
GFRG	Glass-fiber reinforced gypsum	
GFRP	Glass-fiber reinforced plaster	glass-fiber-reinforced plastic
GFRP	Glass-fiber reinforced plastic	glass-fiber-reinforced plaster
GLZ CMU	Glazed concrete masonry unit	•
GSU	Glazed structural unit	
GWT	Glazed wall tile	
GLZ	Glazing	
GLV	Globe valve	
	Glue	
GLU LAM	Glued laminated wood	
GOVT	Government	
GB	Grab bar	gas bibb
B&B	Grade B or better (lumber)	balled and burlapped; bell and bell
FR BM	Grade beam	
C&BTR	Grade C and better	
GCO	Grade cleanout	
GR LN	Grade line	
GRAD	Gradient	
GMK	Grand master key	
GMKD	Grand master keyed	
GRAN	Granite	
GRTG	Grating	
	Gravel	
GRV	Gravity roof ventilator	groove
GV	Gravity vent	gasoline vent
	Graylite	
GT	Grease trap	gross ton; grout
GRL	Grille	
GROM	Grommet	
	•	· · · · · · · · · · · · · · · · · · ·

GRV	Groove	gravity roof ventilator
GR	Gross	6 44 1 1 1 1 1 1 1 1 1 1
GT	Gross ton	grease trap; grout
GR WT	Gross weight	g- time tesp, g- time
G	Ground	girder; natural gas
GFCI	Ground fault circuit interrupter	6 ,
	Ground fault interrupter	
GR FL	Ground floor	
GL	Ground level	glass
GRD OUT	Grounded outlet	8
GP	Group	
GT	Grout	grease trap; gross ton
GUAR	Guarantee	8
GMP	Guaranteed maximum price	
GD	Guard	
GDR	Guard rail	
GUT	Gutter	
GYM	Gymnasium	
	Gyplath	
GYP	Gypsum	
GA	Gypsum Association	gage
GYP BD	Gypsum board	
	Gypsum panel	
GYP PLAS	Gypsum plaster	
GPC	Gypsum plaster ceiling	
GSB	Gypsum sheathing board	
	Gypsum wallboard	
	H	
HMR	Hammer	
HD	Hand dryer	heavy duty
НН	Hand hole	
HS	Hand sink	heat-strengthened (glass); high strength
НС	Handicap	heating coil; heavy commercial; hollow core; hose cabinet
НСР	Handicapped	
HOA	Hand-off-automatic	
HNDRL	Handrail	
HGR	Hanger	
HDBD	Hardboard	
HDNR	Hardener	
HDW	Hardware	
HDWD	Hardwood	
Н	Hatch (roof)	high
HAZ	Hazard	
HAZ MAT	Hazardous materials	
HD JT	Head joint	
HDR	Header	

HQ	Headquarters	
HDWL	Headwall	
HAGL	Heat absorbing glass	
HEX	Heat exchanger	hexagon
HG	Heat gain	neargon
HP	Heat pump	high pressure; horsepower
Q	Heat transfer	rate of flow
U	Heat transfer coefficient	Tate of now
HT TRD	Heat treated (glass)	
HC	Heating coil	handicap; heavy commercial; hollow care;
ne	Treating con	hose cabinet
	Heating water pump	
HTWR	Heating water return	
HTWS	Heating water supply	
HVAC	Heating, ventilating, and air conditioning	
HS	Heat-strengthened (glass)	hand sink; high strength
HVY	Heavy	-
НС	Heavy commercial	handicap; heating coil; hollow core; hose cabinet
HD	Heavy duty	hand dryer
ha	Hectare	
hL	Hectoliter	
hm	Hectometer	
HT	Height	
HEM	Hemlock	
	Herculite	
Hz	Hertz	
HEX	Hexagon	heat exchanger
Н	High	hatch (roof)
HDO	High density overlay	
HDPE	High density polyethylene	
HEPA	High efficiency particulate air (filter)	
HF	High frequency	
HID	High intensity discharge	
HPF	High power factor	
HP	High pressure	heat pump; horsepower
HPA	High pressure air	high pressure air
HPB	High pressure boiler	
HPDT	High pressure drip trap	
HPG	High pressure gas	
H PLAM	High pressure plastic laminate	
HPR	High pressure return	
HPS	High pressure sodium	high pressure steam
HPS	High pressure steam	high pressure sodium
HPT	High pressure trap	6 1
HS	High strength	hand sink; heat-strengthened (glass)
HTHW	High temperature hot water	(Brand)
HVD	High velocity diffuser	
AA 1 D	ingii relocity ulliusei	

HVT	High velocity terminal	
HV	High voltage	hose valve
HWY	Highway	
HST	Hoist	
НО	Hold open	
HLDN	Holddown	
HCMU	Hollow concrete masonry unit	
НС	Hollow core	handicap; heating coil; heavy commercial; hose cabinet
HCWD	Hollow core wood door	
HM	Hollow metal	
HMD	Hollow metal door	humidity
HMDF	Hollow metal door and frame	
HMF	Hollow metal frame	
HMMA	Hollow Metal Manufacturers Association	
HORIZ	Horizontal	
SLD WDW	Horizontal sliding window	
HP	Horsepower	heat pump; high pressure
НВ	Hose bibb	
НС	Hose cabinet	handicap; heating coil; heavy commercial; hollow core
HCONN	Hose connector	
HGV	Hose gate valve	
HV	Hose valve	high voltage
HOSP	Hospital	
H&CW	Hot and cold water	
HW	Hot water	
HWB	Hot water boiler	
HWCP	Hot water circulating pump	
HWC	Hot water coil	HWRC
	Hot water heater	
HWHR	Hot water heating return	
HWHS	Hot water heating supply	
HWP	Hot water pump	
HWRC	Hot water recirculating	
HWR	Hot water return	
HWS	Hot water supply	
HWT	Hot water tank	
HSE	House	
HSKPG	Housekeeping	
HSTAT	Humidistat	
HMD	Humidity	hollow metal door
CCF	Hundred cubic feet	
CWT	Hundred weight	
HYD	Hydrant	
HYDR	Hydraulic	
	113 41 44110	

	I	
IB	I Beam	
ID	Identification	inside diameter; inside dimensions; interior design
ID NO	Identification number	
IGN	Ignition	
ILLUM	Illumination	
IESNA	Illumination Engineering Society of North America	
ILLUS	Illustrate	
IMED	Immediate	
IIC	Impact Isolation class	
INR	impact noise rating	
IPM	Impulses per minute	
IPS	Impulses per second	international pipe standard; iron pipe size
INCAND	Incandescent	
IN/S	Inches per second	
IN WC	Inches, water column	
IN-LB	Inch-pound	
IN-LBF	Inch-pound force	
INCIN	Incinerator	
INCL	Included	
INC	Increase	
INCR	Increment	
IND	Independent	industrial
IAQ	Indoor air quality	
IND	Industrial	Independent
INF	Infinite	
INFO	Information	
IR	Infrared	inside radius
IMH	Inlet manhole	
I/O	Input/output	
IS	Insect screen	island
ID	Inside diameter	identification; inside dimension; interior design
ID	Inside dimension	Identification; inside diameter; interior design
IF	Inside face	intake fan
IFS	Inside face of stud	
IR	Inside radius	infrared
INSP	Inspect	
INSTL	Install	
IWH	Instantaneous water heater	
INSTR	Instrument	
INSUF	Insufficient	
INSUL PNL	Insulated metal panel	
INSUL	Insulation	

INS	Insurance	
IF	Intake fan	inside face
INTERCOM	Intercommunication	
INT	Interior	
ID	Interior design	identification; inside diameter; inside dimension
BX	Interlocked armored cable	
IMC	Intermediate metal conduit	
INTL	International	
IBC	International Building Code	
IPS	International pipe standard	impulses per second; iron pipe size
ISO	International Standards Organization	isometric
SI	International System of Units	
IC	Interrupting capacity	ironing cabinet
I	Interstate (highway)	moment of inertia
ITS	Intertek Testing Services	
INV	Invert	
INV EL	Invert elevation	
IRMA	Inverted roof membrane assembly	
IP	Iron pipe	
IPS	Iron pipe size	impulses per second; inches per second; international pipe standard
IPT	Iron pipe threaded	
IC	Ironing cabinet	interrupting capacity
IRREG	Irregular	
IW	Irrigation water	
IS	Island	insect screen
IT	Isolation transformer	
ISO	Isometric	International Standards Organization
	J	
JAL	Jalousie	
JAN	Janitor	
JAN CLO	Janitor closet	
	Janitor sink	
JS	Janitor's sink	
	Joint filler	
	Joint stuffer	
J-BOX	Junction box	
JR	Junior	
	K	
	Kalamein door	
K	Kelvin	thousand
KWY	Keyway	
KPL	Kickplate	
KD	Kiln dried	knocked down
k	Kilo	
**		

kCAL Kilocalorie kg Kilogram kHz Kilohertz kL Kilohiter km/h Kilometer km/h Kilometers per hour km/s Kilometers per second kV Kilovolt ampere kVAA Kilovolt ampere per hour kVAR Kilovolt ampere reactive kW Kilowatt hour kWh Kilowatt hour kWh Kilowatt hour kWh Kilopser lineal foot KSF Kips per square foot KSF Kips per square foot KST Kitchen KC Kitchen cabinet KB Knee brace KOP Knock out panel KO Knockout L LAB Laboratory LAQ Lacquer LAQ Lacquer LAQ Lacquer LAG Lagging L COL Lally column LAM Laminate LAM Laminate LAM GL Laminated glass LLD Lamp lumen depreciation	
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LAM Laminate LAM GL Laminated glass	
LAM GL Laminated glass	
LLD Lamp lumen depreciation	
i k k k i i i i i i i i i i i i i i i i	
LDG Landing	
LDMK Landmark	
LNDSCP Landscape	
LN Lane	
LRG Large	
LS Large scale lawn sprinkling; lump sum	
L&L Latch and lock	
LH Latent heat left hand	
LHG Latent heat gain	
LHR Latent heat ratio left hand reverse	
LATL Lateral	
Lath	
L&P Lath and plaster	
LAT Latitude lattice; leaving air temperature	

LAT	Lattice	latitude; leaving air temperature
LANH	Launch	
LAU	Laundry	
LC	Laundry chute	
LAV	Lavatory	
LS	Lawn sprinkling	large scale; lump sum
LYR	Layer	
LYT	Layout	
LL	Lead lined	live load; low level; lower left
LL GB	Lead lined gypsum board	
LDR	Leader	
LA	Leaving air	lighting arrester
LAT	Leaving air temperature	latitude; lattice
LDBT	Leaving dry bulb temperature	
LWT	Leaving water temperature	
LWBT	Leaving wet bulb temperature	
LH	Left hand	latent heat
LHR	Left hand reverse	latent heat ratio
LHS	Left hand side	
	Lexan	
LIB	Library	
LT	Light	
LED	Light emitting diode	
LT GA	Light gage	
LP	Light pole	lightproof; liquid petroleum; low pressure(mechanical)
LT SW	Light switch	
LTG	Lighting	
LTG PNL	Lighting panel	
LTNG	Lightning	
LA	Lightning arrester	leaving air
LP	Lightproof	light pole; liquid petroleum; low
		pressure(mechanical)
LPL	Lightproof louver	
LPV	Lightproof vent	
LT WT	Lightweight	
LWC	Lightweight concrete	
LCMU	Lightweight concrete masonry unit	
LWIC	Lightweight insulating concrete	
LW PLAS	Lightweight plaster	
LMST	Limestone	
LIM SW	Limit switch	
LTD	Limited	
LG	Line ground	liquid gas
LOS	Line of sight	
LIN	Linear	
LCD	Linear ceiling diffuser	
LD	Linear diffuser	

LF	Linear feet (foot)	
L CL	Linen closet	
LINO	Linoleum	
LIQ	Liquid	liquor
LG	Liquid gas	line ground
LNG	Liquid natural gas	longitude
LOX	Liquid oxygen	
LP	Liquid petroleum	light pole; lightproof; low pressure(mechanical)
LPG	Liquid petroleum gas	low pressure gas
LIQ	Liquor	liquid gas
L	Liter	angle
L/s	Liter per second	
LL	Live load	lead lined; lower left; low level
LRG	Living room	, ,
LD BRG	Load-bearing	
LOC	Location	
LO	Lock on	lubricating oil
LRA	Locked rotor ramps	
LKR	Locker	
LKR RM	Locker room	
LKNT	Locknut	
LKWASH	Lockwasher	
LOG	Logarithm	
LLH	Long leg horizontal	
LLV	Long leg vertical	
LNG	Longitude	liquid natural gas
LONG	Longitudinal	
LCMU	Loose cubic meter	
LCY	Loose cubic yard	
LF INS	Loose fill insulation	
	Loudspeaker	
LVR	Louver	
LVDR	Louver door	
LVDR	Louvered	
LRV	Louvered roof vent	
LDPE	Low density polyethylene	
LL	Low level	lead lined; live load; lower left
LPT	Low point	
LPF	Low power factor	
LP	Low pressure (mechanical)	light pole; lightproof; liquid petroleum
LPAS	Low pressure alarm switch	
LPA	Low pressure air	
LPB	Low pressure boiler	
LPCR	Low pressure condensate return	
LPDT	Low pressure drip trap set	
LPG	Low pressure gas	liquid petroleum gas
LPR	Low pressure return	
1	r	

LPS	Low pressure sodium	low pressure steam
LPS	Low pressure steam	low pressure sodium
LTHW	Low temperature hot water	
LV	Low voltage	
LW	Low water	
LWCO	Low water cut off	
LWM	Low water mark	
LL	Lower left	lead lined; live load; low level
LUB	Lubricate	
LO	Lubricating oil	lock on
LOP	Lubricating oil pump	
LOV	Lubricating oil vent	
	Lucite	
LBR	Lumber	
LM	Lumen	
LDD	Lumen dirt depreciation	
LPW	Lumen per watt	
LS	Lump sum	larger scale; lawn sprinkling
	M	
MACH	Machine	
MB	Machine bolt	mail box; mixing box
MACH RM	Machine room	
MS	Machine screw	mop sink; motor starter
MAG	Magnet	
MN	Magnetic north	
MAHOG	Mahogany	
MB	Mail box	machine bolt; mixing box
MCH	Mail chute	
MCB	Main circuit breaker	metal corner bead
MAINT	Maintenance	
MAU	Make up air unit	
MAUW	Make up water	
MPT	Male pipe thread	
MGT	Management	
MH	Manhole	
MC	Manhole cover	mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection
MAN	Manual	
MAV	Manual air vent	
MD	Manual damper	metal deck
MTS	Manual transfer switch	
MVD	Manual volume damper	
MFD	Manufactured	
MFR	Manufacturer	mass flow rate
MFR REC	Manufacturer's recommendation	
MFG	Manufacturing	
		l .

Maple Flooring Manufacturer's Association	Metal Framing Manufacturer's Association
Marble base	
Marble floor	
Marble Institute of America	
Marble threshold	
Marker	
Masonite	
Masonry opening	motor operated
Mass flow rate	manufacturer
Master antenna television system	
Master bedroom	member
Master switch	
Masterkeyed	
Masthead	
Mastic	
Mastic floor	mill finish
Material	
Materials list	metal lath; monolithic
Matrix	
Maximum	
Maximum overcurrent protection	
Mean sea level	
Mean temperature difference	mounted
Measure	
Mechanical	
Mechanical contractor	manhole cover; medicine cabinet; metal-clad; moisture content; moment connection
Mechanical engineer	medical
Mechanical room	
Medical	
Medical cabinet	
Medium	
Medium density overlay	
_	miles per gallon
Medium pressure return	
Medium pressure steam	
Meeting	mounting
Megahertz	
Megavolt-ampere	
Megawatt	microwave
9	
Melamine	
	master bedroom
Member	master bearoom
Membrane	master bedroom
	Marble base Marble floor Marble Institute of America Marble Institute of America Marble threshold Marker Masonite Masonite Masonry opening Mass flow rate Master antenna television system Master bedroom Master switch Masterkeyed Masthead Mastic Mastic floor Material Materials list Matrix Maximum Maximum overcurrent protection Mean sea level Mean temperature difference Measure Mechanical Mechanical contractor Medical Medical cabinet Medium Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium temperature hot water Meeting Megawatt

MEMO	Memorandum	
Hg	Mercury	
MER	Meridian	
MTL	Metal	
MTLB	Metal base	
MCB	Metal corner bead	main circuit breaker
MD	Metal deck	manual damper
MTLD	Metal door	1
MTLF	Metal flashing	
MFMA	Metal Framing Manufacturer's Association	Maple Flooring Manufacturer's Association
ML	Metal lath	materials list; monolithic
ML&P	Metal lath and plaster	,
	Metal nosing	
MOS	Metal oxide semiconductor	
MTLP	Metal partition	
MTLR	Metal roof	
MT	Metal threshold	mount
MC	Metal-clad	manhole cover; medicine cabinet; mechanical contractor; moisture content; moment connection
m	Meter	
m/s	Meters per second	
MEK	Methyl ethyl ketone	
MEZZ	Mezzanine	
MIC	Microphone	
MW	Microwave	megawatt
MID	Middle	
MPG	Miles per gallon	medium pressure gas
MPH	Miles per hour	
MIL STD	Military standard	
MF	Mill finish	mastic floor
mA	Milliampere	
mm	Millimeter	
MGD	Million gallons per day	
ms	Millisecond	
mV	Millivolt	
mW	Milliwatt	
MLWK	Millwork	
MIN	Minimum	minute
MCS	Minimum circuit amps	
MIN	Minute	minimum
MIRR	Mirror	
	Mirror glass	
MISC	Miscellaneous	
	Miscellaneous metal	
MIT	Miter	
MA	Mixed air	
MAT	Mixed air temperature	

MB	Mixing box	machine bolt; mail box
MOD	Model	modify; module; motor operated damper
MOD BIT	Modified bitumen	•
MOD	Modify	model; module; motor operated damper
MODEM	Modulator-demodulator	
MOD	Module	model; modify; motor operated damper
E	Modulus of elasticity	east
Z	Modulus of section	
MSTRE	Moisture	
MC	Moisture content	manhole cover; mechanical contractor; medicine cabinet; metal-aid; moment connection
MR	Moisture resistant	
MLDG	Molding (moulding)	
M	Moment	
MC	Moment connection	manhole cover; mechanical contractor; medicine cabinet; metal-clad; moisture content
I	Moment of inertia	interstate (highway)
MON	Monitor	monument
ML	Monolithic	materials list; metal lath
MON	Monument	monitor
MOPR	Mop rack	
MSB	Mop service basin	
MS	Mop sink	machine screw; motor starter
MBH	Mop/broom holder	
MOT	Motor	
MCC	Motor control center	
MDC	Motor direct connect	
MG	Motor generator	
MO	Motor operated	masonry opening
MOD	Motor operated damper	model; modify; module
MOV	Motor operated valve	
MS	Motor starter	machine screw; mop sink
MT	Mount	metal threshold
MPCW	Mount Pleasant city water	
MTD	Mounted	mean temperature differences
MTG	Mounting	meeting
MVBL	Movable	
MULL	Mullion	
MULT	Multiple	
MZ	Multizone	
MUNIC	Municipal	
	N	
NPL	Nameplate	nickel plated
NAR	Narrow	•
NS	Narrow stile	near side; no scale
~		

NATL	National	
NAAMM	National Association of Architectural Metal	
	Manufacturer's	
NBC	National Building Code	
NBC	National Bureau of Standards	
NEC	National Electrical Code	
NEMA	National Electrical Manufacturer's	
	Association	
MFRC	National Fenestration Rating Council	
NFC	National Fire Code	
NFPA	National Fire Protection Association	
NIBS	National Institute of Building Sciences	
NIST	National Institute of Standards and Technology	
NPCA	National Paint and Coatings Association	
NRCA	National Roofing Contractor's Association	
NAT	Natural	
G	Natural gas	girder; ground
NF	Near face	0 70
NS	Near side	narrow stile; no scale
NEG	Negative	
NEGTD	Negotiated	
NT WT	Net weight	
NEUT	Neutral	
N	Newton	north
NKL	Nickel	
NICOP	Nickel cooper	
NCA	Nickel cooper alloy	
NPL	Nickel plated	nameplate
NI SL	Nickel silver	
NL	Night light	
NP	No paint	
NS	No scale	narrow stile; near side
NCA	Noise criteria	normally closed
NIC	Noise isolation class	not in contract
NR	Noise reduction	
NRC	Noise reduction coefficient	
NOM	Nominal	
NCOMBL	Noncombustible	
NONFLMB	Nonflammable	
NFSD	Nonfused	
NLB	Nonloadbering	
NMAG	Nonmagnetic	
NM	Non-metallic	
NRCP	Non-reinforced concrete pipe	
NRP	Nonremovable	
	Non-slip stair nosing	
NON STD	Nonstandard	
	•	·

NORM	Normal		
NC	Normally closed	noise criteria	
NO	Normally open	number	
N	North	newton	
NA	Not applicable		
NE	Not exceeding		
NIC	Not in contract	noise isolation class	
NTS	Not to scale		
NOC	Notice of clarification		
NTP	Notice to proceed		
NO	Number	normally open	
NUM	Numeral		
	0		
OGL	Obscure glass		
OWGL	Obscure wired glass		
OBW	Observation window		
OSHA	Occupational Safety and		
0.012.1	Health Administration		
OCC	Occupy		
OCT	Octagon		
OFF	Office		
OCB	Oil circuit breaker		
OCR	Oil circuit recloser		
OGA	Oil gage		
OLVL	Oil level		
OPRS	Oil pressure		
OP	Oil proof		
OSL	Oil seal		
OS	Oil switch		
OTG	Oil temperature gauge		
OC	On center		
MGPH	One thousand gallons per hour		
MSF	One thousand square feet		
OPQ	Opaque		
	Open web steel joists		
OPNG	Opening		
OPR	Operable		
OR	Operating room	outside radius	
OSP	Operating steam pressure		
OPP	Opposite		
OPH	Opposite hand		
OPT	Optimum	optional	
OPT	Optional	optimum	
ORD	Ordnance	overflow roof drain	
ORG	Organic		
ORIG	Original		
ORN	Ornamental		

OUT OA OAD OAG	Out to out Outlet Outside air Outside air damper	overall
OA OAD OAG	Outside air	overall
OAD OAG		overall
OAG	Outside air damper	UTCLAIL
OAG		
	Outside air grille	
	Outside air intake	
OD	Outside diameter	outside dimension
OD	Outside dimension	outside diameter
OF	Outside face	
OFS	Outside face of studs	
OR	Outside radius	operating room
0/	Over	
OA	Overall	outside air
OVC	Overcurrent	
OVFL	Overflow	
OFD	Overflow drain	
ORD	Overflow roof drain	ordnance
ОН	Overhang	
	Overhead (coiling) door	
OL	Overload	
OVRD	Override	
OF/CI	Owner furnished/contractor installed	
OF/OI	Owner furnished/owner installed	
0	Oxygen	
	P	
PKG	Package	
PTAC	Packaged terminal air conditioner	
PT	Paint	pipe thread; pneumatic tube; post-tensioned; pressure treated
PB	Painted base	panelboard; panic bar; pull box; pushbutton
PMET	Painted metal	* ***
	Painting and Decorating Contractors of America	
PR	Pair	pipe rail; pumped return
	Panel	
	Panel point	polypropylene (plastic); push/pull
	Panelboard	painted base; panic bar; pull box; pushbutton
PB	Panic bar	painted base; panelboard; pull box; pushbutton
PANB	Panic bolt	
	Paper cup dispenser	
	Paper towel dispenser	printed
	Paper towel dispenser and receptacle	-
	Paper towel receptacle	
	Paragraph	

PAR	Parallel	parapet
PAR	Parapet	parallel
PAREN	Parenthesis	
PARG	Parging	
PRKG	Parking	
PK GAR	Parking garage	
PK LOT	Parking lot	
PKWY	Parkway	
PN	Part number	
PART	Partial	
PBD	Particleboard	
PTN	Partition	
PPM	Parts per million	
Pa	Pascal	
PW	Pass window	
PASS	Passenger	
	Pass-through window	
	Paste	
PAT	Pattern	
PV	Paved	
PV RD	Paved road	
	Pavement	
PVG	Paving	
PED	Pedestal	
PGBD	Pegboard	
PEND	Pendant	
PEN	Penetrate	
D	Penny (nail)	deep; depth
PH	Penthouse	phase
PCT	Percent	
PERF	Perforated	perform
PERF	Perform	perforated
PERIM	Perimeter	
PER	Period	
PERM	Permanent	
PERP	Perpendicular	
PETRO	Petroleum	
PHAR	Pharmacy	
PH	Phase	penthouse
PM	Phase meter	
PHS	Phillips head screw	
PE	Photoelectric	pneumatic electric
PEC	Photoelectric cell	
РНОТО	Photograph	
PC	Piece	point of curve; polycarbonate; portland cement
PIL	Pilaster	
PLG	Piling	

PA	Pipe anchor	power amplifier; public address
PR	Pipe rail	pair; pumped return
PSL	Pipe sleeve	
PT	Pipe thread	paint; pneumatic tube; post-tensioned; pressure treated
	Pitch pocket	
PIV	Pivoted	post indicator valve
PLC	Place	
PMBC	Plant mix bituminous concrete	
PLAS	Plaster	plastic
PLST WL	Plaster wall	
PLAS	Plastic	plaster
PLAM	Plastic laminate	
PL GL	Plate glass	
PLAT	Platform	
	Plexiglass	
PLB	Plumb	
PLBG	Plumbing	
PLYWD	Plywood	
PNEU	Pneumatic	
PE	Pneumatic electric	photoelectric
PT	Pneumatic tube	paint; pipe thread; post-tensioned; pressure-treated
PC	Point of curve	piece; polycarbonate; portland cement
PI	Point of intersection	
P	Pole	pump
POL	Polished	
PPGL	Polished plate glass	
PC	Polycarbonate	piece; point of curve; portland cement
PCB	Polychlorinated biphenyl	
POLY	Polyethylene (plastic)	
PIB	Polyisobutylene (plastic)	
PP	Polypropylene (plastic)	panel point; push/pull
PSL	Polystyrene (plastic)	pull station
PVA	Polyvinyl acetate	
PVC	Polyvinyl chloride (plastic)	
PVF	Polyvinyl fluoride (plastic)	
PORC	Porcelain	
PORT	Portable	
POTW	Portable water	
PC	Portland cement	piece; point of curve; polycarbonate
PCA	Portland Cement Association	
PCP	Portland cement plaster	
POS	Position	positive
POS	Positive	position
PIV	Post indicator valve	pivoted
PO	Post office	purchase order

PT	Post-tensioned	paint; pipe thread; pneumatic tube; pressure-treated
PT CONC	Post-tensioned concrete	
LB	Pound	
LBF	Pound-force	
LBF/CF	Pound-force per cubic foot	
LBF/FT	Pound-force per foot	
LBF/HP	Pound-force per horsepower	
LBF/H	Pound-force per hour	
LBF/IN	Pound-force per inch	
LBF/MIN	Pound-force per minute	
LBF/SF	Pound-force per square foot	
LBF/SI	Pound-force per square inch	
PCF	Pounds per cubic foot	
PLF	Pounds per linear foot	
PSF	Pounds per square foot	
PSI	Pounds per square inch	
PSIA	Pounds per square inch absolute	
PSIG	Pounds per square inch, gage	
	Pour	
	Poured in place	
PWR	Power	
PA	Power amplifier	pipe anchor; public address
PF	Power factor	p-p-s unersoz, puesto utatzess
POW LN	Power line	
	Power panel	
	Power pole	
PRE	Power roof exhaust	
PRV	Power roof ventilator	pressure reducing valve; pressure regulator valve; pressure relief valve.
PRCST	Precast	
PCC	Precast concrete	precool coil
PCI	Precast/Pressed Concrete Institute	
PCC	Precool coil	precast concrete
	Precut	
PREFAB	Prefabricate	
PREF	Preference	
PREFIN	Prefinish	
	Pre-fit	
PREFMD	Preformed	
РНС	Preheat coil	
PRELIM	Preliminary	
PRMLD	Premolded	
PEJ	Premolded expansion joint	
PREP	Preparation	
PRESS	Pressure	
PD	Pressure drop or difference	

PRS	Pressure reducing station	
PRV	Pressure reducing valve	power roof ventilator; pressure regulator valve; pressure relief valve
PRV	Pressure regulator valve	power roof ventilator; pressure reducing valve; pressure relief valve
PRV	Pressure relief valve	power roof ventilator; pressure regulator valve; pressure reducing valve
PRESS SW	Pressure switch	
PTRV	Pressure temperature relief valve	
PT	Pressure treated	paint; pipe thread; pneumatic tube; post-tensioned
PS CONC	Prestressed concrete	
	Pre-trimmed	
PREV	Previous	
PRI	Primary	
PMP	Primary chill water pump	
PCHWR	Primary chilled water return	
PCHWS	Primary chilled water supply	
PHWR	Primary hot water return	
PHWS	Primary hot water supply	
	Prime coat	
	Primer	
PRIN	Principal	
PTD	Printed	paper towel dispenser
PMF	Probable maximum flood	
PROD	Production	
PG	Profile grade	pressure gage
PROJ	Project	
PROP	Property	
PL	Property line	
PROV	Provisional	
PSFA	PSF absolute	
PSFG	PSF gage	
PA	Public address	pipe anchor; power amplifier
PB	Pull box	painted base; panelboard; panic bar; pushbutton
PS	Pull station	polystyrene (plastic)
P	Pump	pole
PDISCH	Pump discharge	
PMPSCT	Pump suction	
CNDP	Pumped condensate	
PR	Pumped return	pair; pipe rail
PO	Purchase order	post office
PUR	Purlins	
PSH	Purse shelf	
PRD	Push rod	
PP	Push/pull	panel point; polypropylene (plastic)
PP PL	Push/pull plate	

PB	Pushbutton	painted base; panelboard; panic bar;
		pull box
	Q	
QUAD	Quadrangle	quadrant
QUAD	Quadrant	quadrangle
4OUT	Quadruple receptacle outlet	
QUAL	Quality	
QA	Quality assurance	
QC	Quality control	
QCR	Quality control review	
QM	Quality management	
QTY	Quantity	
QRY	Quarry	
QT	Quarry tile	
QTB	Quarry tile base	
QTF	Quarry tile floor	
QTR	Quarter	
QUOT	Quotation	
	R	
RAB	Rabbeted	
RAD	Radian	radiator; return air duct
RADN	Radiation	radiator, return an duct
RAD HAZ	Radiation hazard	
RAD	Radiator	radian; return air duct
RF	Radio frequency	resilient flooring
R	Radius	range; riser; thermal resistance
RLG	Railing	range, riser, thermal resistance
RR	Railroad	roll roofing
RDS	Rain water downspout	Ton roomig
RGUT	Rain water downspout Rain water gutter	
RWL	Rain water gutter Rain water leader	
R	Range	radius; riser; thermal resistance
RS	Rapid start	rough sawn
Q	Rate of flow	heat transfer
RTG	Rating	neat transier
RKVA	Reactive kilovolt amperes	
RECD	Received Received	
RCVR	Receiver	
RECPT	Receptacle	
RCPTN	Reception	
REC	Recessed	
RWR	Recessed waste receptacle	
RECIP	Reciprocal	
RECIRC	Recirculate	
RECIRCP	Recirculate pump	
REC ROOM	Recreation room	
KEC KOOM	ACCI CAUON 100M	

RECT	Rectangle	
RDC	Reducer	
RWD	Redwood	
REF	Reference	refrigerator
REFL	Reflect	
RCP	Reflected ceiling plan	reinforced concrete pipe
REFR	Refractory	refrigeration
RFGT	Refrigerant	-
RD	Refrigerant discharge	road; roof drain
RHG	Refrigerant hot gas	
RLL	Refrigerant liquid line	
RSL	Refrigerant suction line	
REFR	Refrigeration	refractory
REF	Refrigerator	reference
REG	Register	regulation
REG	Regulation	register
RHC	Reheat coil	
RHV	Reheat valve	
REINF	Reinforce	
RBM	Reinforced brick masonry	
RC	Reinforced concrete	remote control
RCB	Reinforced concrete box	
RCCP	Reinforced concrete culvert pipe	
RCP	Reinforced concrete pipe	reflected ceiling plan
	Reinforcement	
	Reinforcing bar	
RST	Reinforcing steel	
REBAR	Reinforcing steel bars	
RH	Relative humidity	right hand; roof hatch
RV	Relief valve	roof vent; roof ventilator
	Remodel	
RC	Remote control	reinforced concrete
REM	Removable	
REP	Repair	
REPL	Replace	
REPRO	Reproduce	
RFI	Request for information	
RFP	Request for proposal	
REQ	Require	
REQD	Required	
R&D	Research and development	
RESIL	Resilient	
RB	Resilient base	rubber base
RF	Resilient flooring	radio frequency
REST	Restroom	
RET		
ALI I	Return	
RA	Return Return air	

RA FAN	Return air fan	
RA GR	Return air grille	
RAT	Return air temperature	
RVL	Reveal	
RVS	Reverse	
RVSO	Reverse osmosis	
REV	Revision	revolutions
REV	Revolutions	revisions
RPM	Revolutions per minute	
RPS	Revolutions per second	
RHEO	Rheostat	
RTG	Right	
RH	Right hand	relative humidity; roof hatch
RHR	Right hand reverse	
ROW	Right of way	
RDG INS	Rigid insulation, solid	
R	Riser	radius; range; thermal resistance
RD	Road	refrigerant discharge; roof drain
RW	Roadway	-
RB HK	Robe hook	
	Rocklath	
RR	Roll roofing	railroad
RSD	Rolling steel door	
RD	Roof drain	refrigerant discharge; road
RH	Roof hatch	relative humidity; right hand
RL	Roof leader	
RTU	Roof top unit	
RV	Roof vent	relief valve; roof ventilator
RV	Roof ventilator	relief valve; roof vent
RFG	Roofing	
RM	Room	
RAC	Room air conditioner	
RMS	Room monitor system	root mean square
RMS	Root mean square	room monitor system
RO	Rough opening	
RS	Rough sawn	rapid start
RND	Round	
RHMS	Round head machine screw	
RHWS	Round head wood screw	
RBR	Rubber	
RB	Rubber base	resilient base
RTF	Rubber tile floor	
RWY	Runway	
	Rusting steel	
	S	
SDL	Saddle	
SF	Safety factor	square foot (feet); supply fan

	Safety nosing	
SV	Safety valve	sheet vinyl
SALV	Salvage	
SAMP	Sample	
	Sand	
SDBL	Sandblast	
SAN	Sanitary	
SND	Sanitary napkin dispenser	
SNDU	Sanitary napkin disposal unit	
SS	Sanitary Sewer	service sink; standing seam (roof); steam
	Jan 111 y arms	supply; storm sewer
SAT	Saturate	suspended acoustical tile
SCHED	Schedule	•
SOV	Schedule of values	shut off valve
SCHEM	Schematic	
SCH	School	
SJ	Scored joint	slip joint
SCRN	Screen	
SCP	Scupper	
	Scuttle	
SL	Sea level	spot light
SLNT	Sealant	
SMLS	Seamless	
SCD	Seat cover dispenser	
SCHWP	Secondary chilled water pump	
SCHWR	Secondary chilled water return	
SCHWS	Secondary chilled water supply	
SHWR	Secondary hot water return	
SHWS	Secondary hot water supply	
SECT	Section	
SEG	Segment	
SEL	Select	
SCR	Semiconductor controlled rectifier	shower curtain rod
SH	Sensible heat	shingles; single hung (window)
SHG	Sensible heat gain	
SHR	Sensible heat ratio	shower
SNSR	Sensor	
SEP	Separate	
SEP TNK	Septic tank	
SVCE	Service	
SS	Service sink	sanitary sewer; standing seam (roof); steam supply; storm sewer
SWG	Sewage	
SWR	Sewer	
SC	Shading coefficient	solid core
SHT	Shaft	sheet
SHFT	Shaft (elevator)	
SFT HP	Shaft horsepower	
	*	1

SHTHG	Sheathing	
SHT	Sheet	shaft
SM	Sheet metal	silty sand; small; smooth
SHT MTL	Sheet metal (flashing)	
FLASH		
SV	Sheet vinyl	safety valve
	Sheeting	
SHV	Shelving	
SH	Shingles	sensible heat; single hung (window)
SD	Shop drawings	smoke detector; soap dispenser; storm drain; supply duct
SCC	Short circuit capacity	
SHLDR	Shoulder	
SHR	Shower	sensible heat ratio
SCR	Shower curtain rod	semiconductor controlled rectifier
SHRD	Shower drain	
SHR HD	Shower head	
SOV	Shut off valve	schedule of values
SHTR	Shutter	
SW	Sidewalk	switch
SDG	Siding	
SIG	Signal	
GM	Silty gravel	
SM	Silty sand	sheet metal; small; smooth
SIM	Similar	
SGL	Single	
SA	Single acting (door)	supply air
SH	Single hung (window)	sensible heat; shingles
SPDT	Single pole, double throw	
SPST	Single pole, single throw	
FLOUTS	Single receptacle floor outlet	
SOUT	Single receptacle outlet	
ST	single throw	stairs; street
	Sink	Í
SK	Sketch	
	Skydome	
SKLT	Skylight	
	Skylite	
SLV	Sleeve	
SLDG	Sliding	
SGD	Sliding glass door	
SJ	Slip joint	scored joint
	Slop sink	
SM	Small	sheet metal; silty sand; smooth
SMK	Smoke	, , ,
SDMPR	Smoke damper	
SD	Smoke detector	shop drawings; soap dispenser; storm drain; supply duct

SMHS		sheet metal; silty sand; small
SMHS	Snow melt heating system	
SD	Soap dispenser	shop drawings; smoke detector; storm drain; supply duct
SARA	Society of American Registered Architects	
SFTWD	Softwood	
SLDR	Solder	
SOLV	Solenoid valve	
SCMU	Solid concrete masonry unit	
SC	Solid core	shading coefficient
SCWD	Solid core wood door	
SP	Solid plastic	standpipe; sump pit
SOLN	Solution	
SLVT	Solvent	
SND INS	Sound insulation	
STC	Sound transmission class	
S	South	
SBCCI	Southern Building Code Congress International	
SPH	Space heater	
SPKR	Speaker	
SPCL	Special	
SP FIN	Special finish	
SP GR	Specific gravity	
SPEC	Specification	
SB	Splash block	
SPL	Spline	
SP EL	Spot elevation	
SL	Spot light	sea level
SPKLR	Sprinkler	
SPR	Sprinkler line	
SPF	Spruce-pine-fir	
SQ	Square	
SQ BR	Square bar	
cm2	Square centimeter; centimeter squared	
SF	Square foot (feet)	safety factor; supply fan
SQ IN	Square inch	
KM2	Square kilometer	
M2	Square meter	
MM2	Square millimeter	
SQ YD	Square yard	
STAG	Staggered	
ST GL	Stained glass	
STNLS	Stainless	
SST	Stainless steel	
SSP	Stainless steel pipe	
ST	Stairs	single throw; street
STD	Standard	

SCFM	Standard cubic feet per minute	
SCFS	Standard cubic feet per second	
STP	Standard temperature and pressure	
SS	Standing seam (roof)	sanitary sewer; service sink; steam supply; storm sewer
SP	Standpipe	solid plastic; sump pit
S/S	Start/stop	• • • • • • • • • • • • • • • • • • • •
ST PR	Static pressure	
STAG	Station	
STM	Steam	
STM 150	Steam 150	
STM 450	Steam 450	
SG	Steam gage	
ST GEN	Steam generator	
SMH	Steam manhole	
STMR	Steam return	
STMS	Steam supply	sanitary sewer; service sink; standing seam (roof); storm sewer
STWP	Steam working pressure	
SDI	Steel Deck Institute	Steel Door Institute
SDI	Steel Door Institute	Steel Deck Institute
STL JST	Steel joist	
SJI	Steel Joist Institute	
STL LNTL	Steel lintel	
STL PL	Steel plate	
STL RF DK	Steel roof deck	
STL TR	Steel truss	
STL TB	Steel tube	
SWI	Steel Window Institute	
STPG	Stepping	
STIF	Stiffener	
STIR	Stirrup	
STOR	Storage	
STRM	Storeroom	
SD	Storm drain	shop drawings; smoke detector; smoke dispenser; supply duct
SDMH	Storm drain manhole	
SS	Storm sewer	sanitary sewer; service sink; standing seam (roof); steam supply
ST W	Storm water	
STR	Straight	strike; stringers
STNLS	Strainer	
ST	Street	single throw; stairs
STR	Strike	straight; stringers
STR	Stringers	straight; strike
STRB	Strobe	
STRB/HRN	Strobe/horn	
STRUCT	Structural	

SCT	Structural clay tile	
SE	Structural engineer	
STRUCT STL	Structural steel	
	Stucco	
SBS	Styrene butadiene styrene	
SUB FL	Subfloor	
SUBPAR	Subparagraph	
SSD	Subsoil drain	
SUB	Substitute	
SBSTR	Substrate	
SUCT	Suction	
SUF	Sufficient	
SUM	Summary	
SP	Sump pit	solid plastic; standpipe
SMP	Sump pump	
SUTK	Sump tank	
SUPVR	Supervisor	
SUPPL	Supplement	
SUP	Supplementary	
SPLY	Supply	
SA	Supply air	single acting (door)
SAG	Supply air grille	
SD	Supply duct	shop drawings; smoke detector; soap dispenser; storm drain
SF	Supply fan	safety factor; square foot (feet)
SPRT	Support	
SUPN	Suppression	
SURF	Surface	
S4S	Surfaced four sides	
S1S	Surfaced one side	
S2S	Surfaced two sides	
SURR	Surround	
SURV CAM	Surveillance camera	
SURV EQUIP	Surveillance equipment	
SURV MON	Surveillance monitor	
SURV	Survey	
SUSP	Suspend	
SAPC	Suspended acoustical plaster ceiling	
SAT	Suspended acoustical tile	saturate
SATC	Suspended acoustical tile ceiling	
SUSP CLG	Suspended ceiling	
SPC	Suspended plaster ceiling	
SUH	Suspended unit heater	
SWDR	Swing door	
SW	Switch	sidewalk
SWBD	Switchboard	
~	G + 1	
SWGR SYM	Switchgear Symbol	

SYMM	Symmetrical	
SYNTH	Synthetic	
SYS	System	
	T	
TOC	Table of content	top of concrete; top of curb
TAB	Tabulate	
TK BD	Tackboard	
TAN	Tangent	
	Tar	
TECH	Technical	
TEL	Telephone	
ТСР	Telephone control panel	temperature control panel; traffic control plan
TER	Telephone equipment room	terrazzo
FOUTT	Telephone floor outlet	
TEL JK	Telephone jack	
TEL OUT	Telephone outlet	
TP	Telephone pole	total pressure; twisted pair
TTB	Telephone terminal board	
TV	Television	
TVOUT	Television outlet	
TEMP	Temperature	temporary
T&P VALVE	Temperature and pressure valve	
TCP	Temperature control panel	telephone control panel; traffic control plan
TCV	Temperature control valve	
TD	Temperature difference	towel dispenser; trench drain
TMPD	Tempered	
TMPD GL	Tempered glass	
TEMP HDBD	Tempered hardboard	
TEMP	Temporary	temperature
TBM	Temporary benchmark	
TS	Tensile strength	tube steel
TERM	Terminal	
TUC	Terminal unit controller	
TC	Terra cotta	
TER	Terrazzo	telephone equipment room
TB-xx	Test boring-xx (e.g. TB-01)	
THERM	Thermal	
C VALUE	Thermal conductance	
K VALUE	Thermal conductivity	
R	Thermal resistance	radius; range; riser
	Thermopane	
TSTAT	Thermostat	
ТНК	Thickness	
K	Thousand	kelvin
MBF	Thousand board feet	
MBtuH	Thousand Btu per hour	

MCF	Thousand cubic feet	
MBM	Thousand feet board measure	
KIP FT	Thousand foot/pounds	
KIP	Thousand pounds	
THD	Thread	
THRES	Threshold	
THRU	Through	
TB	Through bolt	towel bar
THRUOUT	Throughout	
TCA	Tile Council of America	
T&M	Time and materials	
TFA	To floor above	
TFB	To floor below	
	Toilet (plumbing fixture)	
TPD	Toilet paper dispenser	
ТРН	Toilet paper holder	
TOL	Tolerance	
T&G	Tongue and groove	
T&B	Top and bottom	
TE	Top elevation	
ТО	Top of	
TOB	Top of beam	
TOC	Top of concrete	table of content; top of curb
TOC FTG	Top of concrete footing	
TOC WALL	Top of concrete wall	
TOC	Top of curb	table of content; top of concrete
TFF	Top of finish floor	
TOF	Top of floor	top of footing; top of frame
TOF	Top of footing	top of floor; top of frame
TO FDN	Top of foundation	
TOF	Top of frame	top of floor; top of footing
TOJ	Top of joist	
TMH	Top of manhole	
TOM	Top of masonry	
TOP	Top of parapet	top of pavement
TOP	Top of pavement	top of parapet
TR	Top of rim	towel rack
TOS	Top of slab	top of steel
TOS	Top of steel	top of slab
TOT	Top of truss	
TOW	Top of wall	
ТОРО	Topography	
TDH	Total dynamic head	
TP	Total pressure	telephone pole; twisted pair
TQM	Total quality management	
TB	Towel bar	through bolt
TD	Towel dispenser	temperature difference; trench drain
TDR	Towel dispenser/receptacle	

TR	Towel rack	top of rim
TSH	Towel shelf	
TW	Tower water	
TWR	Tower water return	
TWS	Tower water supply	
ТСР	Traffic control plan	telephone control panel; temperature control panel
XFER	Transfer	
TG	Transfer grille	
XFMR	Transformer	
TRANS	Transom	transparent
TRANS	Transparent	transom
TRANS WD FIN	Transparent wood finish	
TEJ	Transverse expansion joint	
T	Tread	
TRTD	Treated	
TWR	Treated water return	
TWS	Treated water supply	
TD	Trench drain	temperature difference; towel dispenser
TN	True north	
T/S	Tub/shower	
TS	Tube steel	tensile strength
TNL	Tunnel	
TRNBKL	Turnbuckle	
TNPK	Turnpike	
	Twindow	
TL	Twist lock	
TP	Twisted pair	telephone pole; total pressure
TPS	Twisted pair shielded	
TYP	Typical	
1	U	
ULT	Ultimate	
UV	Ultraviolet	
UC	Undercut	
UCD	Undercut door	
UFD	Underfloor duct	
UGND	Underground	
UL	Underwriters Laboratories	
UNEX	Unexcavated	
UNFIN	Unfinish	
UNIF	Uniform	
UBC	Uniform Building Code	
UFC	Uniform Fire Code	
UMC	Uniform Mechanical Code	
UPC	Uniform Plumbing Code	
UPS	Uninterruptible power supply	

UH	Unit heater	
dBA	Unit of sound level	
UWT	Unit weight	
UNIV	Universal	
UN	Unless noted	
UNO	Unless noted otherwise	
UON	Unless otherwise noted	
UNPV RD	Unpaved road	
UTP	Untwisted pair	
UR	Urinal	
URTIL	Utility	
UP	Utility pole	
	V	
VJ	V joint	
VAC	Vacuum	vacuum line
VB	Vacuum breaker	valve box; vinyl base
VCO	Vacuum cleaner outlet	
VAC	Vacuum line	vacuum
VP	Vacuum pump	vanishing point; vapor pressure; velocity
		pressure; veneer plaster
VRP	Vacuum return pump	
VB	Valve box	vacuum breaker; vinyl base
VP	Vanishing point	vacuum pump; vapor pressure;
		velocity pressure; veneer plaster
VAN	Vanity	
	Vapor barrier	
VP	Vapor pressure	vacuum pump; vanishing point;
		velocity pressure; veneer plaster
VAP PRF	Vapor proof	
VRP	Vapor retarder	voltage regulator
VAV	Variable air volume box	
VAVR	Variable air volume box w/reheat	
VF	Variable frequency	
VFD	Variable frequency drive	
VAR	Variation	varies; volt ampere reactive
VAR	Varies	variation; volt ampere reactive
VEH	Vehicle	
VEL	Velocity	
VP	Velocity pressure	vacuum pump; vanishing point; vapor pressure; veneer plaster
VNR	Veneer	-
VP	Veneer plaster	vacuum pump; vanishing point; vapor pressure; velocity pressure
VS	Vent stack	voltmeter switch
VTR	Vent through roof	TORRIGOR STILLOR
VENT	Ventilation Ventilation	ventilator
VENT	Ventilator	ventilation
ATAI	v Chinator	ventuation

VRFY Verify VIF Verify in field VERT Vertical VC Vertical curve VG Vertical grain VUH Vertical unit heater VHF Very high frequency VHO Very high output VEST Vestibule VIB Vibration	
VERT Vertical VC Vertical curve VG Vertical grain VUH Vertical unit heater VHF Very high frequency VHO Very high output VEST Vestibule	
VERT Vertical VC Vertical curve VG Vertical grain VUH Vertical unit heater VHF Very high frequency VHO Very high output VEST Vestibule	
VG Vertical grain VUH Vertical unit heater VHF Very high frequency VHO Very high output VEST Vestibule	
VUH Vertical unit heater VHF Very high frequency VHO Very high output VEST Vestibule	
VUH Vertical unit heater VHF Very high frequency VHO Very high output VEST Vestibule	
VHO Very high output VEST Vestibule	
VHO Very high output VEST Vestibule	
VEST Vestibule	
VIB Vibration	
VIC Vicinity	
VID Video	
VIDAMP Video amplifier	
VINT Video integration	
VIL Village	
VB Vinyl base vacuum breaker; valve	box
VCT Vinyl composition tile vitrified clay tile	
VFAT Vinyl faced acoustical tile	
Vinyl tile	
VWC Vinyl wall covering	
VWF Vinyl wall fabric	
VISC Viscosity	
Visqueen	
VIS Visual	
VIT Vitreous	
VCT Vitrified clay tile vinyl composition tile	
VOC Volatile organic compound	
V Volt	
VA Volt ampere	
VAR Volt ampere reactive variation; varies	
VOLT Voltage	
VD Voltage drop volume damper	
VR Voltage regulator vapor retarder	
VRLY Voltage relay	
VAM Volt-ammeter	
VS Voltmeter switch vent stack	
VOL Volume	
VFR Volume damper voltage drop	
Volumeric flow rate	
W	
WSCT Wainscot	
WAU Wall ash urn	
Wall board	
W CAB Wall cabinets	
WCO Wall cleanout	
WC Wall covering water closet; water column	mn

WFAB	Wall fabric	
WH	Wall hung	wall hydrant; water heater; weep hole
WH	Wall hydrant	wall hung; water heater; weep hole
W/W	Wall to wall	
WHSE	Warehouse	
WW	Warm white	wastewater; wireway
WWX	Warm white deluxe	
WARR	Warranty	
WF	Wash fountain	wide flange
W	Waste	watt; west; wide
WDSP	Waste disposer	
WW	Waste water	warm white; wireway
WTR	Water	
WTR B	Water brine	
WCHR	Water chiller	
WTR C	Water city	
WC	Water closet	wall covering; water column
WC WL HNG	Water closet, wall hung	
WC	Water column	wall covering; water closet
WCLD	Water cooled	
WCLR	Water cooler	
WCL WL MTD	Water cooler, wall hung	
	Water cooling tower	
WT EL	Water elevation	
WG	Water gage	
WHA	Water hammer arrestor	
WH	Water heater	wall hung; wall hydrant; weep hole
WJ	Water jacket	
WL	Water line	wind load
WM	Water meter	wire mesh
WPD	Water pressure drop	
WP	Water pump	waterproofing; weatherproof; working
		point weather resistant; wire rope
WR	Water repellent	watertight; weight
WT	Water table	
WPM	Waterproof membrane	
WP	Waterproofing	water pump; weatherproof; working point
WT	Watertight	water table; weight
W	Watt	waste; west; wide
WHM	Watthour meter	
WEA	Weather	
WR	Weather resistant	water repellent; wire rope
WSL	Weather seal	
WP	Weatherproof	water pump; waterproofing; working point
WS	Weatherstrip	
WH	Weep hole	wall hung; wall hydrant; water heater
WT	Weight	water table; watertight

WLD	Welded	
	Welded wire fabric	
	Welded wire mesh	
W	West	waste; watt; wide
WB	Wet bulb	wood base
WBT	Wet bulb temperature	
	Where occurs	work order
W	Wide	waste; watt; west
WF	Wide flange	wash fountain
	Wind load	water line
WDW	Window	
WDMA	Window and Door Manufacturers Association	
WU	Window unit	
	Wire glass	
	Wire mesh	water meter
	Wire rope	water repellent; weather resistant
	Wired glass	•
	Wireway	warm white; waste water
	With	
W/O	Without	
WD	Wood	wood door
WB	Wood base	wet bulb
WBL	Wood blocking	
WD	Wood door	wood
WDF	Wood door and frame	
WFR	Wood frame	
WFS	Wood furring strips	
WD LOUV	Wood louvers	
WDP	Wood paneling	
wo	Work order	where occurs
	Working point	water pump; waterproofing; weatherproof
	Working pressure	
	Working steam pressure	
WBS	Wrought brass	
WI	Wrought iron	
	Y	
	Yard	yard drain; yard drainage pipe
YCO	Yard cleanout	
YD	Yard drain	yard; yard drainage pipe
YD	Yard drainage pipe	yard; yard drain
YH	Yard hydrant	
YI	Yard inlet	
YR	Year	

Central Michigan University Standard Terms

Single-phase 1Pl Single pole 1P		
One way 1W	VAY	
Two-conductor 2/C	C	
Two-way 2W	VAY	
Three-conductor 3/C		
Three-phase 3Pl	Н	
Three-ply 3Pl	LY	
	VAY	
Four-conductor 4/C	C	
Quadruple receptacle outlet 40	OUT	
Four-pole double throw 4Pl	DT	
Four-pole single throw 4PS	ST	
Four-wire 4W	V	
Four-way 4W	VAY	
1		
	BAN	
Abbreviation AB	BBRV	
Abnormal AB	BNL	
Above finished counter AF	rC a	automatic frequency control
Above finished floor AF	F	
Above finished grade AF	'G	
Above finished slab AF	rs	
Above suspended ceiling AS	C a	amps short circuit; asphalt surface
		course
Abrasive	BRSV	
Abrasive hardness Ha	ı	
Abrasive resistant AB	BRSV RES	
Absolute AB	SS a	acrylonitrile butadiene styrene
Absorption AB	SORB	
Access door AC	CS DR	
Access floor AC	CS FLR	
Access panel AC	CS PNL	
Accessible AC	CC	
Acid resistant AC	CID RES	
Acid resistant cast iron AC	CID RES CI	
Acid resistant pipe AC	CID RES P	
	CID RES V	
Acid resistant waste AC	CID RES W	
Acid vent AV	7 8	air vent; audio visual
Acid waste AV	V	actual weight; architectural woodwork

Acid waste line	AWL	
Acid/Alkaline scale	pН	
Acoustic	ACST	
Acoustic Calking		
Acoustical ceiling tile	ACT	
Acoustical insulation	ACOUS INSUL	
Acoustical panel	ACOUS PNL	
Acoustical panel ceiling	APC	
Acoustical plaster		
Acoustical tile ceiling	ATC	
Acoustical wall treatment	AWT	
Across	ACR	
Acrylonitrle butadiene styrene	ABS	absolute
Actual weight	AW	acid waste; architectural woodwork
Addendum	ADDM	
Additional	ADDL	
Adhesive	ADH	
Adjacent	ADJ	adjoining; adjustable
Adjoining	ADJ	adjacent; adjustable
Adjustable	ADJ	adjacent; adjoining
Administration	ADMIN	
Aggregate	AGGR	
Aggregate base course	ABC	Associated Builders and Contractors
Air (compressed)	A	
Air condition	A/C	
Air conditioning unit	A/C UNIT	
Air cooled condensing unit	ACCU	
Air handling unit	AHU	
Air pressure drop	APD	
Air pressure return line	APR	
Air separator	AS	ammeter switch
Air supply unit	ASU	
Air vent	AV	acid vent; audio visual
Air water pump	AWP	
Alarm	ALM	
Alarm annunciator panel	AAP	
Alignment	ALNMT	
Allowance	ALLOW	
Alteration	ALTRN	
Alternate	ALT	altitude
Alternate number	ALT NO	
Alternating current	AC	armored cable; asbestos cement; asphaltic concrete
Alternative		
Altitude	ALT	alternate
Aluminum	ALUM	
Aluminum cable steel reinforced	ACSR	
Ambient	AMB	
	I	

American Architectural Manufacturers Association	AAMA	
American Association of Cost Engineers	AACE	
American Concrete Institute	ACI	
American Gas Association	AGA	
American Institute of Architects	AIA	
American Institute of Steel Construction	AISC	
American National Standards Institute	ANSI	
American Plywood Association	APA	
American Society for Testing and Materials	ASTM	
American Society of Civil Engineers	ASCE	
American Society of Heating, Refrigerating, and Air Conditioning Engineers	ASHRAE	
American Society of Mechanical Engineers	ASME	
American Standard Elevator Codes	ASEC	
American steel wire gauge	ASWG	
American Water Works Association	AWWA	
American Welding Society	AWS	
American wire gauge	AWG	
American Wood Preservers' Association	AWPA	
Americans with Disabilities Act	ADA	
Ammeter switch	AS	air separator
Amount	AMT	
Ampere	AMP	
Ampere hour	AH	
Ampere interrupting capacity	AIC	
Amplifier	AMPL	
Amplitude modulation	AM	
Amps short circuit	ASC	above suspended ceiling; asphalt surface course
Anchor	AHR	
Anchor bolt	AB	
And so forth	ETC	et cetera
Angle	L	liter
Angle beam	ANG BM	
Angle stop valve	ASV	
Annunciator	ANN	
Anodize	ANOD	
Antenna	ANT	
Apartment	APT	Association for Preservation Technology
Appearance	APP	atactic propylene
Appendix	APPX	
Apply		
Approved	APPD	
Approximate	APPROX	
Architect	ARCH	
Architect/Engineer	A/E	
-	1	1

Architect's Supplemental Instruction	ASI	
Architectural finish	ARF	
Architectural woodwork	AW	acid waste; actual weight
Architectural Woodworking Institute	AWI	, ,
Area drain	AD	
Armored cable	AC	alternating current; asbestos cement; asphaltic concrete
Article	ART	
As required	AR	
Asbestos	ASB	
Asbestos cement	AC	alternating current; armored cable; asphaltic concrete
As-built		
Asphalt	ASPH	
Asphalt Institute	AI	
Asphalt roofing		
Asphalt surface course	ASC	above suspended ceiling; amps short circuit
Asphaltic concrete	AC	alternating current; armored cable; asbestos cement
Asphaltic concrete paving	ACP	automatic control panel
Assembled cooling unit	ACU	
Assembly	ASSY	
Associated Builders and Contractors	ABC	aggregate base course
Associated General Contractors	AGC	
Association	ASSN	
Association for Preservation Technology	APT	apartment
Asymmetrical	ASYM	
Atactic propylene	APP	appearance
Atmosphere	ATM	automatic teller machine
Attachment	ATCH	
Attention	ATTN	
Audio frequency	AF	
Audio visual	AV	acid vent; air vent
Authority having jurisdiction	AHJ	
Auto transformer	AUTO XFMR	
Automatic	AUTO	
Automatic air damper	AAD	
Automatic air vent	AAV	
Automatic check valve	ACHKV	
Automatic control panel	ACP	asphaltic concrete paving
Automatic control system	ACS	
Automatic control valve	ACV	
Automatic door closer	ADC	
Automatic door seal	ADS	
Automatic frequency control	AFC	above finished counter
Automatic sprinkler	ASKLR	
Automatic sprinkler drain	ASD	

Automatic sprinkler riser	ASR	
Automatic teller machine	ATM	atmosphere
Automatic transfer switch	ATS	•
Auxiliary	AUX	
Auxiliary power unit	APU	
Avenue	AVE	
Average	AVG	
Awning window	AWN WDW	
Axial flow	AX FL	
Azimuth	AZ	
В		
Back of Curb	BC	between centers; bolt circle; bookcase; bottom chord; brick color; building code
Back to back	B/B	
Backboard	BKBD	
Backdraft damper	BDD	
Backflow preventer	BFP	
Background	BKGD	
Backing	BKG	
Backing rope		
Baffle	BAF	
Baggage	BAG	
Balance	BAL	
Balcony	BALC	
Balestrades		
Ball valve	BV	
Ballast	BLST	
Balled and Burlapped	B&B	bell and bell; grade B or better (lumber)
Bar joists		
Base board radiator	BBR	
Base line	BL	building line
Base plate	B PL	
Baseboard	BB	bulletin board
Basement	BSMT	
Basic insulation level	BIL	
Bathtub	BT	
Batt insulation		
Batten	BAT	battery
Battery	BAT	batten
Bay window double hung	BAY WDW DH	
Beam	BM	benchmark; bending moment
Beam, standard	S BM	
Beam, wide flange	WF BM	
Bearing	BRG	
Bearing plate	BRG PL	
Bed joint	BJT	

Bedding	BDNG	
Bedroom	BR	
Bell and bell	B&B	balled and burlapped; grade B or better (lumber)
Bell and flange	B&F	
Bell and spigot	B&S	
Bell mouth	BL MTH	
Below	BLW	
Below ceiling	BLW CLG	
Below finish floor	BFF	
Benchmark	BM	beam; bending moment
Bending moment	BM	beam; benchmark
Better	BTR	
Between	BTWN	
Between centers	BC	back of curb; bolt circle; bookcase; bottom chord; brick color; building code
Bevel	BEV	
Bifolding doors	BI FLD DR	
Birmingham wire gauge	BWG	
Bituminous	BITUM	
Black steel pipe	BSP	
Blackboard		
Blanket	BLKT	
Block		
Blowdown	BLWDN	
Blower	BLO	
Blowoff	ВО	
Board	ВО	butterfly damper
Board feet (foot)	BD FT	
Board measure	B/M	
Boiler	BLR	
Boiler feed booster pump	BFBP	
Boiler feedwater	BFW	
Boiler feedwater pump	BFWP	
Boiler horsepower	BLR HP	
Bolt circle	BC	back of curb; between centers; bookcase; bottom chord; brick color; building code
Bonding	BNDG	
Bookcase	BC	back of curb; between centers; bolt circle; bottom chord; brick color; building code
Booster	BSTR	
Borrowed light	BLT	built
Both faces	BF	bottom face
Both sides	BS	
Both ways	BW	

Bottom	ВОТ	bottom
Bottom chord	BC	back of curb; between centers; bolt
		circle; bottom chord; brick color;
		building code
Bottom face	BOT F	
Bottom of duct	BOT D	bottom of duct
Bottom of pipe	BOT P	bottom of pipe
Bottom of steel	BOS	
Boulevard	BLVD	
Boundary	BDRY	
Bracing	BRCG	
Bracket	BRKT	
Brake horsepower	ВНР	
Breaker	BRKR	
Brick color	BC	back of curb; between centers; bolt
		circle; bookcase; bottom chord;
		building code
Brick Institute of America	BIA	
Bridging	BRDG	
Bridging joist	BRDG JST	
Bright annealed	BA	
British thermal unit	Btu	
British thermal unit (1000)	Mbtu	
British thermal unit per hour	BtuH	
Bronze	BRZ	
Broom closet	B CL	
Buck-boast transformer	BB XFMR	
Build	BLD	
Builder's Hardware Manufacturer's	BHMA	
Association		
Building	BLDG	
Building automation system	BAS	
Building code	BC	back of curb; between centers; bolt
		circle; bookcase; bottom chord;
		brick color
Building line	BL	
Building Officials and Code Administrators	BOCA	
Association International		
Building paper	BP	
Built	BLT	borrowed light
Built-in	BLT IN	
Built-up	BU	bushel
Built-up roofing	BUR	
Bulb tee beam	BLB T BM	
Bulkhead	BLKHD	
Bulletin board	BB	baseboard
Bulletproof (bullet-resistant)	BPRF	
Bullnose	BN	

BRLP	
BU	built-up
BT WLD	
BCV	
BD	board
BFV	
ВҮР	
CAR	
cd	construction documents; contract documents
СР	concrete pipe; control panel
CAN	
CANTIL	
CANV	
CAP	capacity
CAP	capacitor
CO2	
СО	cased opening; Certificate of Occupancy; cleanout; company; cutout
СРТ	control power transformer
C&P	•
СВ	catch basin; cement base; ceramic base; corner bead
СО	carbon monoxide; Certificate of Occupancy; cleanout; company; cutout
CSMT	
CW	chemical waste line; clockwise; cold water piping; cool white
CSWK	
CSG	
C CONC	
CIP	curb inlet
CIP	cast in place
CS	commercial standard; control switch
=	
CIP	cast iron pipe
	BU BT WLD BCV BD BFV BFV BYP CAB CUH CTV CALC CLKJ CAM Cd CAM Cd CANTIL CANV CAP CAP CO2 CO CO CPT C&P CB CSMT CW CSWK CSG CCO CIP CIP CISP CSTL CSTL

Catch basin	СВ	carriage bolt; cement base; ceramic base; corner bead
Catwalk	CATW	
Cavity	CAV	
Ceiling	CLG	
Ceiling attenuation class	CAC	
Ceiling diffuser	CLG DIFF	
Ceiling duct outlet	CLG DCT OUT	
Ceiling grille	CLG GRL	
Ceiling height	CLG HT	
Ceiling panel		
Ceiling register	CLG REG	
Ceiling tile		
Celsius	С	channel
Cement	CEM	cemetery
Cement base	СВ	carriage bolt; ceramic base; corner bead
Cement finish	CEM FIN	
Cement floor	CF	contractor furnished
Cement plaster	CEM PLAS	
Cement plaster ceiling	CEM PLAS	
	CLG	
Cementitious (backer) board	CBB	
Cemetery	CEM	cement
Center	CTR	contour; cooling tower return
Center line	CL	class; close
Center matched	CM	construction management
Center of gravity	CG	common ground; corner guard
Center to center	C TO C	
Centigrade		
Centimeter	cm	
Centimeter per second	cm/s	
Ceramic	CER	
Ceramic base	СВ	carriage bolt; catch basin; cement base; corner bead
Ceramic glazed structural facing units	CGSFU	
Ceramic tile	CT	count; current transformer
Ceramic tile base	СТВ	
Ceramic tile floor	CTF	
Ceramic Tile Institute of America	CTI	
Certificate of Occupancy	СО	carbon monoxide; cased opening; cleanout; company; cutout
Certify	CERT	
Chain Link Fence Manufacturers Institute	CLFMI	
Chalkboard	CHBD	
Chamber	CHMBR	
Chamfer	CHFR	
Change order request	COR	
Channel	C	Celsius

Charge	CHG	
Check	СНК	
Check valve	CHKV	
Chemical	CHEM	
Chemical waste line	CW	casement window; clockwise; cold water piping; cool white
Chilled drinking water	CDW	
Chilled drinking water return	CDWR	
Chilled drinking water supply	CDWS	
Chilled water	CHW	circulating hot water
Chilled water primary pump	CHWPP	
Chilled water pump	CHWP	
Chilled water recirculating pump	CHWRP	
Chilled water return	CHWR	
Chilled water secondary pump	CHWSP	
Chilled water supply	CHWS	
Chiller	СН	coat hook
Chlorinated polyvinyl chloride	CPVC	
Chlorofluorocarbons	CFC	
Chrome plated	CHR PL	
Circle	CIR	
Circuit	CKT	
Circuit breaker	CKT BRKR	
Circular	CIRC	
Circulating hot water	CHW	chilled water
Circulating water pump	CWP	condenser water pump
Circumference	CRCMF	
Cladding	CLDG	
Class	CL	center line; close
Class A door	A LABEL	
Class B door	B LABEL	
Class C door	C LABEL	
Class D door	D LABEL	
Class E door	E LABEL	
Classification	CLASS	
Classroom	CLRM	
Cleanout	СО	carbon monoxide; cased opening; Certificate of Occupancy; company; cutout
Cleanout to grade	COTG	
Clear	CLR	color; cooler
Clear wired glass	CLWG	
Cleat	CLT	
Clockwise	CW	casement window; chemical waste line; cold water piping; cool white
Close	CL	centerline; class
Closed circuit television	CCTV	
Closet	CLO	

Closet rod	CRCMF	control relay; control room
Closure	CLOS	
Clothes dryer	CL D	
Coat hook	СН	chiller
Coated	CTD	
Coating	CTG	
coaxial cable	COAX	
Coefficient	COEFF	
Coefficient of performance (heating)	СОР	coping
Coefficient of utilization	CU	cubic; copper
Cold rolled steel	CRS	Cases, coppe
Cold water	CW	
Cold water soft	CW SFT	
Cold water, piping	CW	casement window; chemical waste line;
Columbia, p.p.ing		clockwise; cool white
Cold-formed metal framing	CFMF	
Color	CLR	clear; cooler
Color rendering index	CRI	
Column	COL	
Column line	CLL	contract limit line
Combination, combined	COMB	
Commercial standard	CS	cast stone; control switch
Common	COM	,
Common ground	CG	center of gravity; corner guard
Common mode rejection	CMR	, , , , , , , , , , , , , , , , , , ,
Communication	COMM	
Community antenna television	CATV	
Company	СО	carbon monoxide; cased opening;
		Certificate of Occupancy; cleanout; cutout
Compartment	COMPT	
Complete	COMPL	
Component	COMP	
Composite	CMPST	
Compressible	CPRS	
Compressor	COMPR	
Computer	CMPTR	
Computer floor		
Concealed	CNCL	
Concentric	CONC	concrete
Concrete	CONC	concentric
Concrete block		
Concrete floor	CONC FLR	
Concrete masonry unit	CMU	
Concrete opening	CONC OPNG	
Concrete pavement	PCCP	
Concrete pipe	СР	candlepower; control panel
Concrete Reinforcing Steel Institute	CRSI	
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Concrete sewer pipe	CSP	
Concrete splash block	CSB	casing bead
Condensate	CNDS	
Condensate pumped	CNDP	
Condensate return	CNDR	
Condensate return pump	CRP	
Condensate transfer pump	CNDTP	
Condensation	CONDN	
Condenser	COND	condition
Condenser water pump	CWP	circulating water pump
Condenser water return	CWR	
Condenser water supply	CWS	
Condition	COND	condenser
Conduit	CND	
Conference	CONF	
Connect	CONN	
Construction	CONSTR	
Construction documents	CD	candela; contract documents
Construction joint	CJ	control joint
Construction management	CM	center matched
Construction Specifications Institute	CSI	
Consultant	CONSULT	
Contactor	CNTOR	
Continue	CONT	controller
Contour	CTR	center; cooling tower return
Contract	CONTR	contractor
Contract change directive	CCD	
Contract documents	CD	candela; construction documents
Contract limit line	CLL	column line
Contractor	CONTR	contract
Contractor furnished	CF	cement floor
Contractor furnished equipment	CFE	
Contractor furnished/contractor installed	CF/CI	
Contractor furnished/owner installed	CF/OI	
Control	CTRL	
Control contactor	CCR	
Control joint	CJ	construction joint
Control panel	CP	candlepower; concrete pipe
Control power transformer	CPT	carpet
Control relay	CR	closet rod; control room
Control room	CR	closet rod; control relay
Control switch	CS	cast stone; commercial standard
Control valve	CV	
Controller	CONT	continue
Convert	CONV	
Conveyor	CNVR	
Cook top	CK TP	

Cool white	CW	casement window; chemical waste line;
		clockwise; cold water piping
Cool white deluxe	CWX	
Cooler	CLR	color; clear
Cooling coil	C/C	
Cooling tower	C/T	
Cooling tower return	CTR	contour; center
Cooling tower supply	CTS	
Cooling water return	COWR	
Cooling water supply	cows	
Coordinate	COORD	
Coping	СОР	coefficient of performance (heating)
Copper	CU	coefficient of utilization; cubic
Cork tackboard		
Corkboard		
Corner	CNR	
Corner bead	СВ	carriage bolt; catch basin; cement base; ceramic base
Corner guard	CG	center of gravity; common ground
Cornice	CORN	
Correct	CORR	corridor
Correspond	CORRES	
Corridor	CORR	correct
Corrugated deck		
Corrugated metal pipe	CMP	
Count	CT	ceramic tile; current transformer
Counter	CNTR	
Counter sink	CSK	
Counterclockwise	CCW	
Counterflashing	CFLG	
Coupling	CPLG	
Courtyard	CRT YD	
Cover	COV	cut off valve
Cover plate	COV PL	
Critical path method	CPM	
Cross brace	X BRACE	
Cross section	X SECT	
Crossbracing	XBRA	
Crown	CRN	
Crushed stone		
Cubic	CU	coefficient of utilization; copper
Cubic centimeter	cm3	
Cubic feet	CU FT	
Cubic feet per minute	CFM	
Cubic feet per second	CFS	
Cubic inch	CU IN	
Cubic meter	m3	
Cubic meter per second	m3/S	

Cubic yard CU YB Cubicle CUB Curb and gutter C&G Curb inlet CI cast iron Current limiting fuse CLF Current limiting fuse Current transformer CT ceramic tile; count Curtain CURT Curd Custoff valve COV cover Cut off valve CO carbon monoxide; cased opening; Certificate of Occupancy; cleanout; company Cutout CO carbon monoxide; cased opening; Certificate of Occupancy; cleanout; company Cylinder CYL Cylinder locks keyed alike KA Cypress CYP CYP D Total dissel fuel; drinking fountain Damage free DF diesel fuel; drinking fountain Dampproof course DPC Dampproof course Dampproof course DPC Dampproof course Database DB dry bulb Database DB dry bulb Decipled dB Decipled Decipled dB Decipled <t< th=""><th>Cubic millimeter</th><th>mm3</th><th></th></t<>	Cubic millimeter	mm3	
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Division DIV divide			
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	Document	DOC	

Domelite		
Domestic	DOM	+
Domestic water cold	DWC	
Domestic water hot	DWH	double hung windows
Domestic water	DW	dishwasher; distilled water
Domestic water heater	DWH	,
Domestic water hot return	DW H R	drawer
Domestic water hot supply	DW H S	
Door	DR	dining room; drain; dressing room; drive
Door closer	DR CL	
Door frame	CR FR	
Door Hardware Institute	DHI	
Door holder	DRH	
Door louver	DRLV	
Door opening	DR OPNG	
Door stop	DRST	
Door switch	DRSW	
Double	DBL	
Double acting door	DBL ACT DR	
Double extra heavy	XXH	
Double glaze	DBL GLZ	
Double hung (door, window)	DH	
Double hung windows	DHW	domestic hot water
Double joist	DJ	
Double pole, double throw	DPDT	
Double pole, single throw	DPST	
Double strength (glass)	DS	disconnect switch; downspout
Douglas fir	DOUG FIR	•
Dovetail	DVTL	
Down	DN	
Downspout	DS	disconnect switch; double strength (glass)
Dozen	DOZ	
Drafting	DFTG	
Drain	DR	dining room; door; dressing room; drive
Drain tile	DT	
Drain, waste, and vent	DWV	
Drainage area	DA	disable
Drawer	DWR	domestic water return
Drawing	DWG	
Dressed four sides	D4S	
Dressed one side	D1S	
Dressed two sides	D2S	
Dressing area	DR AREA	
Dressing room	DR	dining room; door; drain; drive
Drinking fountain	DF	damage free; diesel fuel
Drinking fountain, wall mounted	DF WL MTD	-
Drip and trap	D & T	
Drive	DR	dining room; door; drain; dressing room

Drop inlet	DI	
Dry bulb	DB	database
Dry bulb temperature	DBT	
Dry chemical	D CHEM	
Dry film thickness	DFT	
Dry standpipe	DSP	
Drywall		
Duct access panel	DAP	
Duct covering insulation	DCI	
Duct liner insulation	DLI	
Duct return	DCT/RT	
Duct rising; duct riser	DCT/RS	
Duct supply	DCT SUP	
Ductile iron pipe	DIP	
Dumbwaiter	DWTR	
Duplex	DX	
Duplex outlet	DX OUT	
Duplicate	DUPL	
Dutch Door	DT DR	
E		
Each	EA	
Each end	EE	
Each face	EF	exterior finish
Each layer	EL	easement line; elevation
Each way	EW	
Easement	ESMT	
Easement line	EL	each layer; elevation
East	E	modulus of elasticity
Eccentric	ECC	
Eccentric reducer	ECC RDCR	
Economizer	ECON	
Edge grain	EG	
Edge of curb	EC	
Edge of pavement (paving)	EP	electrical panel (panelboard)
Edge of shoulder	ES	electrostatic
Edge of slab	EOS	
Effect	EFT	60.
Effective	EFF	efficiency
Effective horsepower	EHP	electric heating panel
Effective temperature	ET	60 (*
Efficiency	EFF	effective
Elastomeric	ELEC	
Electric	ELEC DR OR	
Electric door opener	ELEC DR OP	
Electric hand dryer	EHD	
Electric heater	EH	66 4
Electric heating panel	ЕНР	effective horsepower

Electric metallic tubing ENT Electric panel board EPB Electric water cooler EWC Electric water heater EWH Electrical control voltage ELEC CV Electrical panel (panelboard) EP edge of pavement (paving) Electrical panel (panelboard) EP edge of pavement (paving) Electrical primary voltage >=4160 ELEC PV Electrical primary voltage >=4160 ELEC SV Electrical resistance welding ERW Electrical secondary voltage <=480 ELEC SV Electrical secondary voltage <=480 ELEC SV Electromagnetic EM expanded metal Electromagnetic interference EMI Electromagnetic interference EMI Electronagnetic data processing EDP Electrostatic ES edge of shoulder Electrostatic ES edge of shoulder Element ELEM element Elewator ELEM element Elevator ELEW Elevator ELEW Elevator ELEW Elevator ELEW Emergency EMER Emergency EMER Emergency EMER Emergency EMER Emergency Shower EMER SHR Enamel ENAM Enclosure ENGY Energy management system EMS Engine EMS
Electric panel board EWC Electric water cooler EWC Electric water heater EWH Electrical control voltage ELEC CV Electrical outlet EO Electrical panel (panelboard) EP edge of pavement (paving) Electrical primary voltage >=4160 ELEC PV Electrical resistance welding ERW Electrical secondary voltage <=480 ELEC SV Electrically operated valve EOV Electromagnetic EM expanded metal Electromagnetic interference EMI Electronic data processing EDP Electro-pneumatic ES edge of shoulder Electrostatic ES edge of shoulder Element ELEM elementary Element ELEM element Element ELEM element Elevation EL each layer; easement line Elevator ELEV Elevator ELEV Elevator EMER Emergency monitoring control panel EMCP Emergency monitoring control panel EMCP Emergency shower EMER SHR Enamel ENAM Enclosure ENCL Energy ENGY Energy efficiency ratio EMS
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Electrically operated valve Electromagnetic Electromagnetic interference EMI Electronic data processing Electro-pneumatic Electrostatic Element Element Element Elewator Elevation Elevator Elevator oab Emergency Emergency Emergency power off Emergency power off Emergency shower Enamel Enclosure Energy efficiency ratio ENAM Enclosure EMCP EMCP EMCP ENAM ENAM ENCL Energy management system EMC EMC EMC EMC EMC EMC EMC EM
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Engine ENG
Engineer ENGR
Engineered Wood Association EWA
Engineers Joint Contract Documents Committee EJCDC
Entering air temperature EAT
Entering dry bulb temperature EDBT
Entering water temperature EWT
Entering wet bulb temperature EWBT
Entrance ENTR
Environment ENVIR
Environmental Protection Agency EPA
Equal EQ
Equally spaced EQL SP
Equipment EQUIP
Equivalent EQUIV
Escalator ESCAL

Escape	ESC	escutcheon
Escutcheon	ESC	escape
Especially	ESP	
Establish	ESTB	
Estimate	EST	
Et cetera	ETC	and so forth
Ethylene propylene diene monomer	EPDM	
Evacuate	EVAC	
Evaporate	EVAP	
Evaporating cooling unit	ECU	
Example	EX	
Excavate	EXC	
Exchanger	EXCH	
Exclude	EXCL	
Execute	EXEC	
Exhaust	EXH	exhibit
Exhaust air	EXH A	
Exhaust air grille	EXH GR	
Exhaust air register	EAR	
Exhaust duct	EXH DT	
Exhaust fan	EXH FN	
Exhaust hood	EXH HD	
Exhaust vent	EXHV	
Exhibit	EXH	exhaust
Existing	EXIST	
Existing grade	EXST GR	
Existing roof drain	ERD	
Exit light	EXT LT	
Expand	EXP	expansion; exposed
Expanded metal	EM	electromagnetic
Expanded polystyrene board (insulation)	EPS	
Expansion	EXP	expand; exposed
Expansion bolt	EXP BT	
Expansion joint	EJ	
Expansion proof	EPRF	
Exposed	EXP	expand; expansion
Extension	EXTN	
Exterior	EXT	external; extinguisher
Exterior finish	EF	each face
Exterior finish system	EFS	
Exterior grade	EXT GR	
Exterior gypsum board	EGB	
Exterior gypsum sheathing board	EGSB	
Exterior Insulation and finish system	EIFS	
External	EXT	exterior; extinguisher
External pipe thread	EPT	
External static pressure	ESP	
Extinguisher	EXT	exterior; external
	1	<u>'</u>

Extra large	XL	
Extruded polystyrene board (insulation)	XPS	
Extrusion	EXTRU	
Eye guard	EGRD	
Eye wash station	EWS	
F		
Fabric	FAB	
Fabric wallcovering	FWC	
Face area	FA	final assembly; fire alarm; fresh air
Face brick	FC BRK	
Face of concrete	FOC	face of curb
Face of curb	FOC	face of concrete
Face of finish	FOF	fuel oil return line
Face of masonry	FOM	
Face of slab	FOS	face of stud; fuel oil supply
Face of stud	FOS	face of slab; fuel oil supply
Face of wall	FOW	
Face to face	F/F	
Face velocity	FV	flush valve; foot valve
Facial tissue dispenser	FTD	
Facility	FACIL	
Facsimile	FAX	
Factor	FAC	
Factory	FCTY	
Factory mutual	FM	
Fahrenheit	F	female; fire line
Fan coil unit	FCU	
Fan powered terminal	FPT	
Far face	FF	finish face
Far side	FS	Federal Specification; fire station; full scale; full size
Fascia	FAS	fire alarm station
Fascia board	FAS BD	
Fastener	FSTNR	
Federal	FED	
Federal Energy Administration	FEA	
Federal Highway Administration	FHWA	
Federal Housing Administration	FHA	
Federal Specification	FS	far side; fire station; full scale; full size
Federal stock number	FSN	
Federal supply classification	FSC	
Federal test methods	FTM	
Feedback	FDBK	
Feeder	FDR	fire door
Feedout	FDO	
Feedwater	FDW	
Feet	FT	fire treated; foot; fully tempered (glass)

Feet per second FF Female F Feminine napkin disposal	Feet per minute	FPM	
Femine napkin disposal Femine napkin vendor Femine mapkin vendor Feme Femine mapkin vendor Feme Fiber insulation Fiber reinforced gypsum FRG Fiber reinforced polyester FRP Fiber heinforced polyester FRP Fiber preinforced polyester FRP Fiber preinforced polyester FRP Fiber preinforced polyester FRP Fiber preinforced polyester FRP Fiber plass FGL FIBER FILE FILE FILE FILE FILE FILE FILE FILE	•	FPS	
Feminine napkin disposal Feminine napkin vendor Fence FN Fiber reinforced pysum FRG Fiber reinforced polyester FRP fiberglass reinforced plastic Fiberplass FGL FIBerglass reinforced plastic Fiberglass reinforced plastic FRP fiber reinforced polyester Figure FIG fiber reinforced polyester Filler and the properties of the propertie		F	Fahrenheit; fire line
Fence FN Fiber insulation Fiber print forced gypsum FRG Fiber print forced polyester FRP Fiber print forced polyester FRP Fiber plans FRG Fiber plans FRG Fiber plans FRF FIBER FIBER plans FRF FIBER F	Feminine napkin disposal		
Fiber reinforced gypsum FRG Fiber reinforced polyester FRP Fiber preinforced polyester FRP Fiberglass FGL Fiberglass reinforced plastic FRP Filer preinforced polyester FIG Filer cabinet FC footcandle Filler FLR floor Filler FLR floor Filler FLR floor Filter FLR floor Filter water return pool FWR P FWR P Filter water supply pool FWS P Final assembly FA Final seembly FA face area; fire alarm; fresh air Finish both sides FIN FIN Finish floor FNG JT FIN Finish floor FIN BS FIN FLR Finish floor elevation FF EL FIN FLR Finish floor devation FF EL FIN GR Finish grade FIN GR FIN GR Finish grade FIN GR FIN GR Finish wood F			
Fiber reinforced gypsum FRG Fiber reinforced plyster FRP fiberbaard Fiberbaard Fiberglass FGL Fiberglass FGL Fiberglass reinforced plastic FRP fiber fiber forced plastic FRP Fiberglass reinforced plastic FRP fiber control from the fiber plastic FRP fiber plastic FRP Filer FIG File abinet FC footcandle Filler FLR floor Filler FLR floor Filler FLR Filler FLTR Filler FLTR Filler FLTR Filler FLTR Filler SHA face area; fire alarm; fresh air Finger joint FNGR JT Finish soth sides FIN BS Finish face FF far face Finish floor FIN FLR Finish floor sides FAS Finish grade FIN GR Finish reade FIN GR Finished opening FO fuel oil Fire reader floor for fined tube readiation FTR Fire alarm annunciator panel FAAP Fire alarm sattion FAS face area; final assembly; fresh air Fire alarm annunciator panel FACP Fire alarm control panel FACP Fire department connection FDC Fire department valve FDV Fire control FDC Fire feder FEE	Fence	FN	
Fiber reinforced polyester Fiber plans Fiber plans Fiber plans Fiber plans Fiber plans Fiber plans Figure File cabinet File cabinet File	Fiber insulation		
Fiber reinforced polyester Fiber plans Fiber plans Fiber plans Fiber plans Fiber plans Fiber plans Figure File cabinet File cabinet File	Fiber reinforced gypsum	FRG	
Fiberglass FGL Fiberglass reinforced plastic FRP fiber reinforced polyester Figure FIG FIG File cabinet FC footcandle Filler FLR floor Fillet FLR floor Fillet FLR floor Fillet water return pool FWR P Filler water supply pool Filler water supply pool FWS P FIRTR Final assembly FA face area; fire alarm; fresh air Finger joint FNGR JT FIRTR Finish foor FIN BS FIRTR Finish both sides FIN BS FIRTR Finish face FF far face Finish floor FIN FLR FIRTR Finish floor elevation FF EL FIRTR Finish floor sides F4S FIRTR Finish two sides F2S FIRTR Finish two sides F2S FIRTR Finished opening FO fuel oil Fire alarm FA <t< td=""><td></td><td>FRP</td><td>fiberglass reinforced plastic</td></t<>		FRP	fiberglass reinforced plastic
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Finish face FF FEL Finish floor elevation FF EL Finish four sides F4S Finish wood FIN WD Finished one side F1S FIN GR Finished one side F1S FIN GR FIN GR FIN WD Finished opening FO fuel oil FIN GR FIN GR FIN GR FIN GR FIN GR FIN WD FIN WD FIN GR F		FIN	
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Finish wood Finished one side Finished opening FO fuel oil Finned tube radiation FTR Fire alarm FA face area; final assembly; fresh air Fire alarm annunciator panel FAAP Fire alarm bell FABL Fire alarm box FABS Fire alarm control panel FACP Fire alarm station FAS fascia Fire blanket FB flat bar Fire brick FBRK Fire damper FDMPR Fire department connection FDC Fire department valve FDV Fire door FTDR feeder FIDR feeder FIDR feeder FIER FIN WD Fuel oil FACP FIRE	Finish grade	FIN GR	
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Fire alarm control panel Fire alarm station FAS fascia Fire blanket FB flat bar Fire brick FBRK Fire damper FDMPR Fire department connection FDC Fire department connection cabinet FDCC Fire department valve FDV Fire door FDR feeder FIRE FE	Fire alarm bell	FABL	
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Fire blanket Fire brick FBRK Fire damper FDMPR Fire department connection FDC Fire department connection cabinet FDCC Fire department valve FDV Fire door Fire door FDR feeder Fire extinguisher FE	Fire alarm control panel	FACP	
Fire brick F BRK Fire damper FDMPR Fire department connection FDC Fire department connection cabinet FDCC Fire department valve FDV Fire door FDR feeder Fire extinguisher FE	Fire alarm station	FAS	fascia
Fire damper FDMPR Fire department connection FDC Fire department connection cabinet FDCC Fire department valve FDV Fire door FDR feeder Fire extinguisher FE	Fire blanket	FB	flat bar
Fire department connection FDC Fire department connection cabinet FDCC Fire department valve FDV Fire door FDR feeder Fire extinguisher FE	Fire brick	F BRK	
Fire department connection cabinet FDCC Fire department valve FDV Fire door FDR feeder Fire extinguisher FE	Fire damper	FDMPR	
Fire department valve FDV Fire door FDR feeder Fire extinguisher FE	Fire department connection	FDC	
Fire door FDR feeder Fire extinguisher FE		FDCC	
Fire door FDR feeder Fire extinguisher FE	Fire department valve	FDV	
ů .		FDR	feeder
Fire extinguisher cabinet FEC	Fire extinguisher	FE	
	Fire extinguisher cabinet	FEC	

Fire hose	FH	fire hydrant; flat head; flat head screws
Fire hose cabinet	FHC	• / /
Fire hose rack	FHR	
Fire hydrant	FH	fire hose; flat head; flat head screws
Fire line	F	Fahrenheit; female
Fire protection	FP	fireproof; flag pole; freezing point
Fire protection water supply	FPW	7 31 7 31
Fire rated assembly	FPA	
Fire rating	FR	fire resistant; frame
Fire resistant	FR	fire rating; frame
Fire retardant treated wood	FRTW	
Fire sprinkler head	FSH	
Fire standpipe	FSP	
Fire station	FS	far side; Federal Specifications; full scale; full size
Fire treated	FT	feet; foot; fully tempered (glass)
Fire wall	FW	flood wall
Fireplace	FPL	
Fireproof	FP	fire protection; flagpole; freezing point
Fixture	FIXT	
Flagpole	FP	fire protection; fireproof; freezing point
Flammable	FLMB	
Flange	FLG	flooring
Flared	FLRD	
Flashing	FLASH	
Flat bar	FB	fire blanket
Flat head	FH	fire hose; fire hydrant; flat head screws
Flat head machine screw	FHMS	
Flat head screws	FH	fire hose; fire hydrant; flat head
Flat head wood screw	FHWS	
Flexible	FLEX	
Float finish concrete	FL FIN CONC	
Float glass	FLT GL	
Flood wall	FW	fire wall
Floodlight	FLT	
Floor	FLR	filler
Floor area ratio	FAR	
Floor cleanout	FCO	
Floor drain	FD	
Floor finish	FLR FIN	
Floor outlet	FL OUT	
Floor plate	FLR PL	
Floor register	FLR REG	
Floor sink	FLR SK	
Flooring	FLG	flange
Floorline	FL	foot-lambert
Flow line	FLL	
Flow sensing switch	FSS	

Flowmeter F METER Fluid ounce FL OZ Fluorescent FLUOR Fluorescent fixture FLUOR Fluorescent fixture FLUOR Fluorescent fixture FLUOR Fluorescent fixture FLUOR Flush mount FLMT Flush mount FLMT Flush wave FV face velocity; foot valve Flushing rim sink FR SNK Fluted concrete masonry unit FLUT CMU Fluting FLUT Foam backer Foil backed batt insulation FF BATT Foil backed insulation FF INSUL Foil faced drywall Foil faced drywall Foil faced drywall Foil faced grysum wallboard FLDG Flow From flow from the fluting FLUT Flow From backer FT feet; fire treated; fully tempered (glass) Foot board measure FBM Foot board measure FFW face velocity; flush valve Footpound FT/LB FT/LB FOOTpound FT/LB FT/LB FOOTpound FT/LB F	Flow switch	FL SW	
Fluorescent FLUOR Fluorescent lighting FLUOR FIX Fluorescent lighting LTFLUOR Flush mount FLMT Flush walve FV face velocity; foot valve Flushing rim sink FR SNK Flushing rim sink FR SNK Fluted concrete masonry unit FLUT CMU Fluting FLUT Fluting FLUT Fluting FLUT Fluting FLUT Fluting			
Fluorescent fixture Fluorescent lighting Flush mount Flush Flush mount Flush Flush walve FV face velocity; foot valve Flushing rim sink Fluted concrete masonry unit Fluture F	Fluid ounce	FL OZ	
Fluorescent lighting Flush mount Flush valve FV Flushing rim sink FR SNK Fluted concrete masonry unit FLUT Fluting FlutT Foam backer Flut God insulation FF BATT Foil backed hart insulation FF BATT Foil backed insulation FF INSUL Foil faced drywall FlutGdd Freat Gdd insulation FF INSUL Foil faced drywall Foil faced grywall FlutGdd Frot Gdding FlutGdd FlutGdd Frot Frot Geet; fire treated; fully tempered (glass) Foot bard measure FBM Foot valve FV Foot Jave FV Foot FrutGdd Fru	Fluorescent	FLUOR	
FLMT Flush walve FV Face velocity; foot valve Flushing rim sink FR SNK	Fluorescent fixture	FLUOR FIX	
FLMT Flush walve FV Face velocity; foot valve Flushing rim sink FR SNK	Fluorescent lighting	LT FLUOR	
Flushing rim sink Flutd concrete masonry unit Flutr Flutr Flutr Flutr Foam backer Foil backed batt insulation FF BATT Foil backed insulation FF BATT Foil backed insulation FF INSUL Foil faced drywall Foil faced gypsum wallboard Folding Fluff Foot Foot FT Feeting feet; fire treated; fully tempered (glass) Foot board measure FPM Foot/pound FT/LB Foot/pound FT/LB Foot/pound FT/LB Foot/pound FT/LB Foot-condide FC Form board FNMBD Formica Fromwork FWRK Foundation FDITN Fountain FOUNT Frame FR FR Fire rating; fire resistant Framed mirror FR MIR Framed mirror FR MIR Framed mirror FR FR Freway FR FRWY Freezer FRZ Freezer FRG FFF Freind point FR FR Green-condition FRT FR FR FR Freed-condition FR FR FR FR FR Freed-condition FR FR FR FR FR Freed-condition FR		FLMT	
Fluting Flut	Flush valve	FV	face velocity; foot valve
Fluting Flut	Flushing rim sink	FR SNK	
Foam backer Foll backed batt insulation FF BATT Foll backed insulation FF INSUL Foil faced drywall Foil faced drywall Foil faced drywall Foil faced gypsum wallboard Foot FT feet; fire treated; fully tempered (glass) Foot board measure FBM Foot/pound measure FFW Foot/pound FT/LB Foot/pound force FT/LBF Foot/pound force FT/LBF Foot-lambert FC file cabinet FOOT FOOT FOOT FOOT FOOT FOOT FOOT FOO		FLUT CMU	
Foil backed batt insulation FF BATT Foil backed insulation FF INSUL Foil faced drywall Foil faced gypsum wallboard FOID Foot FOOT FOOT FOOT FOOT FOOT FOOT FOOT FOO	Fluting	FLUT	
Foil backed insulation FF INSUL Foil faced drywall	Foam backer		
Foil faced gypsum wallboard Foil faced gypsum wallboard Folding FLDG Froot FT feet; fire treated; fully tempered (glass) Foot board measure FBM Foot valve FV face velocity; flush valve Foot/pound FTI/LB Foot/pound force FTI/LBF Footcandle FC file cabinet Footing FTG Foot-lambert FL floorline Form board FMBD Formica Formwork FWRK Foundation FDTN Foundation FDTN Foundation FDTN Foundation FOUNT Frame FR fire rating; fire resistant Framed mirror and shelf FRMG Framed mirror FR MIR Framed mirror FR MG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole FREQ Fresh air FA face area; final assembly; fire alarm FR GL From floor above FFA Fron floor above FFA Front floor blow FFB Fronted glass FRST GL FRISH FRST GL FREST FREST FREST FRECO From floor above FFA Front floor above FFB Fronted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL	Foil backed batt insulation	FF BATT	
Foil faced gypsum wallboard Folding FLDG Foot FT feet; fire treated; fully tempered (glass) Foot valve FW Foot valve FV face velocity; flush valve Foot/pound FT/LB Footchound force FT/LBF Footcandle FC file cabinet FOOtclambert FL foom board FMBD Form board FMBD Formica FORMIC FORMICA FOUNT FRAME FOUNT FRAME FREQ FREQ FREQ FREQ FREQ FREQ FREQ FRE	Foil backed insulation	FF INSUL	
Folding Foot FT Foot board measure FBM Foot valve FV Foot valve FV Foot/pound FT/LB Foot/pound force FT/LBF Footcandle FC Footing FTG Footing FTG Footing FTG FOOT-lambert FL Footmboard FMBD Formica FORMA FOUNT Fountain FOUNT Frame FR FR Frame FR FR Frame Mirror FR MIR Frame FR Frame Mirror FR MIR Frame FR FR fire rating; fire resistant Frame FR FR fire rating; fire resistant Frame FR FR fra	Foil faced drywall		
Foot board measure FBM Foot valve FV face velocity; flush valve Foot/pound FT/LB Foot/pound force FT/LBF Footcandle FC Footlambert FL Footlambert Frm board FORMS FOUNT FORMS FOUNT FOUNT Fountain FOUNT Frame FR	Foil faced gypsum wallboard		
Foot board measure FBM Foot valve FV face velocity; flush valve Foot/pound FT/LB Foot/pound force FT/LBF Footcandle FC Footlambert FL Footlambert Frm board FORMS FOUNT FORMS FOUNT FOUNT Fountain FOUNT Frame FR	Folding	FLDG	
Foot valve FV face velocity; flush valve Foot/pound FT/LB Foot/pound force FT/LBF Footcandle FC file cabinet Footing FTG Foot-lambert FL floorline Form board FMBD Formica Formica FWRK Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror FR MIR Framed mirror FR MIR Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air Inlet (intake) FAI From floor above FFA Frost Glass FRST GL Frished opening		FT	feet; fire treated; fully tempered (glass)
Foot/pound FT/LB Foot/pound force FC FI/LBF Footcandle FC file cabinet FC file cabinet Foot-lambert FL floorline Form board FMBD Formica Formwork FWRK Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRWY Freezer FRZ Freezestat FSTAT Freezestat FSTAT Freezing point FR FR FREQ Freight FRT FREQ Fresh air FRAQ Fresh air FA face area; final assembly; fire alarm FR GL From floor above FFB FRST GL Frosted glass FRST GL	Foot board measure	FBM	
Foot/pound force FT/LBF Footcandle FOOting FTG Footing FTG Foot-lambert FIL Form board FMBD Formica Formwork FWRK Foundation FDTN Fountain Frame FR fire rating; fire resistant Framed mirror FR MIR/SHF Framing FR FR MIR/SHF Freezer FRZ Freezestat FSTAT Freezestat FFRT Freezing point FRE	Foot valve	FV	face velocity; flush valve
Footcandle Footing FTG Footing FTG Footing FTG Form board FMBD Formica Formwork FWRK Foundation FOUNT Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror Framed mirror and shelf FR MIR/SHF Framing FRWY Freezer FRZ Freezestat FFSAT Freezing point FF FRT Freeing point FRT Frequency FREQ Fresh air FRA face area; final assembly; fire alarm Fram floor below FFB From floor below FFB From floor below FFB FRST GL Frest Glossine FRST GL Frost Glass FRST GL Frest Glisched opening	Foot/pound	FT/LB	
Footing FTG Foot-lambert FL floorline Form board FMBD Formica Formwork FWRK Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Frosted glass FRO FRST GL Front floor below FFB Front floor below FFB Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL Frost floor below FFB Frosted glass FRST GL Frost floor below FFB Frosted glass FRST GL	Foot/pound force	FT/LBF	
Fort-lambert FL floorline Form board FMBD Formica Formwork FWRK Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezer FRZ Freezestat FSTAT Freeding FR FR fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FA face From floor above FFA From floor below FFB Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL Frosted glass FRST GL From floor below FFB Frosted glass FRST GL	Footcandle	FC	file cabinet
Form board Formica Formwork FWRK Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FREQ Fresh air FRA Frequency FREQ Fresh air inlet (intake) FAI Fritted glass FRGL From floor above FFA From floor below FFB Frosted glass FRST GL FRST	Footing	FTG	
Formica Formwork FWRK Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fritted glass FR GL From floor above FFA Frosted glass FRST GL Frost Gloss FRST GL Frost Gloss FRST GL Frost Gloss FRST GL Frost Gloss FRST GL Fron floor below FFB Frosted glass FRST GL Fron finished opening	Foot-lambert	FL	floorline
Formwork Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FREVY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL FRST GL Finished opening	Form board	FMBD	
Foundation FDTN Fountain FOUNT Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA Frosted glass FRST GL Frosted glass FRST GL Frol finished opening	Formica		
Fountain Frame FR FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Frol finished opening	Formwork	FWRK	
Frame FR fire rating; fire resistant Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Foundation	FDTN	
Framed mirror FR MIR Framed mirror and shelf FR MIR/SHF Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Fountain	FOUNT	
Framed mirror and shelf Framing FRMG Freeway FRWY Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Frosted glass FRST GL Frol finished opening	Frame	FR	fire rating; fire resistant
Framing Freeway Freeway Freezer FRZ Freezestat Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL FRST GL FROM FINISHED FROM FINISHED FROM FINISHED FROM FINISHED FROM FINISHED FROM FINISHED FINIS	Framed mirror	FR MIR	
Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Framed mirror and shelf	FR MIR/SHF	
Freezer FRZ Freezestat FSTAT Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Framing	FRMG	
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Freezing point FP fire protection; fireproof; flagpole Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Freezer	FRZ	
Freight FRT Frequency FREQ Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Freezestat	FSTAT	
Frequency Fresh air FA face area; final assembly; fire alarm Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening			fire protection; fireproof; flagpole
Fresh air Fresh air inlet (intake) FAI Fritted glass FR GL From floor above FFB Frosted glass FRST GL Fuel oil FO finished opening	Freight	FRT	
Fresh air inlet (intake) Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Frequency	FREQ	
Fritted glass FR GL From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Fresh air	FA	face area; final assembly; fire alarm
From floor above FFA From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening	Fresh air inlet (intake)	FAI	
From floor below FFB Frosted glass FRST GL Fuel oil FO finished opening			
Frosted glass FRST GL Fuel oil FO finished opening		FFA	
Fuel oil FO finished opening			
1 8	Frosted glass	FRST GL	
			finished opening
Fuel oil #1 FO 1	Fuel oil #1	FO 1	

Fuel oil #2	FO 2	
Fuel oil #2 return	FO 2R	
Fuel oil #6	FO 6	
Fuel oil #6 return	FO 6R	
Fuel oil pump	FOP	
Fuel oil return		
Fuel oil return line	FOR FOF	face of finish
	FOTK	Tace of finish
Fuel oil storage tank		
Fuel oil supply	FOS	face of slab; face of stud
Fuel oil vent	FOV	
Full height partition	FHP	
Full load amps	FLA	
Full scale	FS	far side; Federal Specifications; fire station; full size
Full size	FS	far side; Federal Specifications; fire station; full scale
Full voltage non-reversing	FVNR	
Full voltage reversing	FVR	
Fully tempered (glass)	FT	feet; fire treated; foot
Furnace	FURN	furnish; furniture
Furnish	FURN	furnace; furniture
Furnished by owner		
Furniture	FURN	furnace; furnish
Furniture, fixture, and equipment	FF&E	
Furring	FURG	
Fuse box		
Fused switch	FU SW	
Fusible link	FUS LINK	
Future	FUT	
G		
Gage	GA	Gypsum Association
Gallon	GAL	
Gallons per day	GPD	
Gallons per hour	GPH	
Gallons Per Hour, Standard	SGPH	
Gallons per minute	GPM	
Gallons per second	GPS	
Galvanic	GALV	galvanized
Galvanized	GALV	galvanic
Galvanized iron	GI	
Galvanized iron pipe	GIP	
Galvanized sheet metal	GSM	
Galvanized steel	GALV STL	
Garbage disposal	G DISP	
Garden	GRDN	
Gas bibb	GB	grab bar
Gas fired water heater	GWH	B NWA
Gus med mater meater	JUI	

Gas pressure regulator Gas vent through roof Gasoline vent Gasoline vent Gate valve Gate valve Gauge General General General GEN General GEN General contractor General purpose Generator
Gas vent through roof Gasoline vent Gate valve Gate valve Gauge General General General General onditions General conditions General conditions General organization General purpose Generator General organization Generator Gene
Gate valve Gauge General General General General conditions General contractor General purpose General purpose General purpose General purpose General purpose General purpose General general Girder General gener
Gate valve Gauge General General GEN General conditions GEN COND General contractor GCC General purpose GEN PURP Generator GEN Generator GEN General purpose GEN
General Conditions General contractor General purpose Generator Ge
General conditions General contractor General purpose General purpose General purpose Generator
General contractor General purpose Generator G
Generator Genera
Generator Girder Girder G ground; natural gas Glass GL ground level Glass block GL BLK Glass-fiber reinforced concrete GFRC Glass-fiber reinforced gypsum GFRG Glass-fiber reinforced plaster Glass-fiber reinforced plaster Glass-fiber reinforced plastic Glass-fiber reinforced plastic Glazed concrete masonry unit GLZ CMU Glazed structural unit GSU Glazed wall tile GWT Glazing GLZ Globe valve GLV Glue Glue Gue Gue Government GOVT Grab bar Grade B or better (lumber) B&B Grade B am Grade C and better Grade cleanout GCO Grade line GRAL
Girder Glass Glass GL ground level Glass block GL BLK Glass-fiber reinforced concrete GFRC Glass-fiber reinforced gypsum GFRG Glass-fiber reinforced plaster GFRP glass-fiber-reinforced plastic Glass-fiber reinforced plastic GFRP glass-fiber-reinforced plaster GIazed concrete masonry unit GLZ CMU Glazed structural unit GSU Glazed wall tile GWT Glazing GLZ Globe valve GLV Glue Glue GOVT Grab bar GFRB GRB GRB GRB GRB GRB GRB GRB GRB GRB G
Glass block Glass-fiber reinforced concrete Glass-fiber reinforced gypsum GFRG Glass-fiber reinforced gypsum GFRG Glass-fiber reinforced plaster GFRP Glass-fiber reinforced plaster GFRP glass-fiber-reinforced plastic Glass-fiber reinforced plastic GJASS-fiber reinforced plaster GJASS-fiber reinforced plaster GJASS-fiber reinforced plaster GJASS-fiber reinforced plaster GJASS-fiber-reinforced plaster
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Grade beam FR BM Grade C and better C&BTR Grade cleanout GCO Grade line GR LN
Grade C and better C&BTR Grade cleanout GCO Grade line GR LN
Grade cleanout GCO Grade line GR LN
Grade line GR LN
Gradient GRAD
<u>. </u>
Grand master key GMK
Grand master keyed GMKD
Granite GRAN
Grating GRTG
Gravel
Gravity roof ventilator GRV groove
Gravity vent GV gasoline vent
Graylite
Grease trap GT gross ton; grout
Grille GRL
Grommet GROM
Groove GRV gravity roof ventilator
Gross GR
Gross ton GT grease trap; grout
Gross weight GR WT

Ground	G	girder; natural gas
Ground fault circuit interrupter	GFCI	
Ground fault interrupter		
Ground floor	GR FL	
Ground level	GL	glass
Grounded outlet	GRD OUT	
Group	GP	
Grout	GT	grease trap; gross ton
Guarantee	GUAR	
Guaranteed maximum price	GMP	
Guard	GD	
Guard rail	GDR	
Gutter	GUT	
Gymnasium	GYM	
Gyplath		
Gypsum	GYP	
Gypsum Association	GA	gage
Gypsum board	GYP BD	
Gypsum panel		
Gypsum plaster	GYP PLAS	
Gypsum plaster ceiling	GPC	
Gypsum sheathing board	GSB	
Gypsum wallboard		
H		
Hammer	HMR	
Hand dryer	HD	heavy duty
Hand hole	НН	
Hand sink	HS	heat-strengthened (glass); high strength
Handicap	НС	heating coil; heavy commercial; hollow core; hose cabinet
Handicapped	НСР	0020, 11000 011011100
Hand-off-automatic	HOA	
Handrail	HNDRL	
Hanger	HGR	
Hardboard	HDBD	
Hardener	HDNR	
Hardware	HDW	
Hardwood	HDWD	
Hatch (roof)	H	high
Hazard	HAZ	<u> </u>
Hazardous materials	HAZ MAT	
Head joint	HD JT	
Header	HDR	
Headquarters	HQ	
Headwall	HDWL	
Heat absorbing glass	HAGL	
Heat exchanger	HEX	hexagon
Tions exchanges	111//1	noaugun

Heat gain	HG	
Heat pump	HP	high pressure; horsepower
Heat transfer	Q	rate of flow
Heat transfer coefficient	U	
Heat treated (glass)	HT TRD	
Heating coil	НС	handicap; heavy commercial; hollow care; hose cabinet
Heating water pump		
Heating water return	HTWR	
Heating water supply	HTWS	
Heating, ventilating, and air conditioning	HVAC	
Heat-strengthened (glass)	HS	hand sink; high strength
Heavy	HVY	
Heavy commercial	НС	handicap; heating coil; hollow core; hose cabinet
Heavy duty	HD	hand dryer
Hectare	ha	
Hectoliter	hL	
Hectometer	hm	
Height	HT	
Hemlock	HEM	
Herculite		
Hertz	Hz	
Hexagon	HEX	heat exchanger
High	Н	hatch (roof)
High density overlay	HDO	
High density polyethylene	HDPE	
High efficiency particulate air (filter)	HEPA	
High frequency	HF	
High intensity discharge	HID	
High power factor	HPF	
High pressure	HP	heat pump; horsepower
High pressure air	HPA	high pressure air
High pressure boiler	HPB	
High pressure drip trap	HPDT	
High pressure gas	HPG	
High pressure plastic laminate	H PLAM	
High pressure return	HPR	
High pressure sodium	HPS	high pressure steam
High pressure steam	HPS	high pressure sodium
High pressure trap	HPT	
High strength	HS	hand sink; heat-strengthened (glass)
High temperature hot water	HTHW	
High velocity diffuser	HVD	
High velocity terminal	HVT	
High voltage	HV	hose valve
Highway	HWY	
Hoist	HST	

Hold open	НО	
Holddown	HLDN	
Hollow concrete masonry unit	HCMU	
Hollow core	НС	handicap; heating coil; heavy commercial; hose cabinet
Hollow core wood door	HCWD	
Hollow metal	HM	
Hollow metal door	HMD	humidity
Hollow metal door and frame	HMDF	
Hollow metal frame	HMF	
Hollow Metal Manufacturers Association	HMMA	
Horizontal	HORIZ	
Horizontal sliding window	SLD WDW	
Horsepower	HP	heat pump; high pressure
Hose bibb	НВ	
Hose cabinet	НС	handicap; heating coil; heavy commercial; hollow core
Hose connector	HCONN	
Hose gate valve	HGV	
Hose valve	HV	high voltage
Hospital	HOSP	
Hot and cold water	H&CW	
Hot water	HW	
Hot water boiler	HWB	
Hot water circulating pump	HWCP	
Hot water coil	HWC	HWRC
Hot water heater		
Hot water heating return	HWHR	
Hot water heating supply	HWHS	
Hot water pump	HWP	
Hot water recirculating	HWRC	
Hot water return	HWR	
Hot water supply	HWS	
Hot water tank	HWT	
House	HSE	
Housekeeping	HSKPG	
Humidistat	HSTAT	
Humidity	HMD	hollow metal door
Hundred cubic feet	CCF	
Hundred weight	CWT	
Hydrant	HYD	
Hydraulic	HYDR	
Hydrochlorofluorocarbons	HCFC	
I		
I Beam	IB	
Identification	ID	inside diameter; inside dimensions; interior design

Identification number	ID NO	
Ignition	IGN	
Illumination	ILLUM	
Illumination Engineering Society of North America	IESNA	
Illustrate	ILLUS	
Immediate	IMED	
Impact Isolation class	IIC	
impact noise rating	INR	
Impulses per minute	IPM	
Impulses per second	IPS	international pipe standard; iron pipe size
Incandescent	INCAND	
Inches per second	IN/S	
Inches, water column	IN WC	
Inch-pound	IN-LB	
Inch-pound force	IN-LBF	
Incinerator	INCIN	
Included	INCL	
Increase	INC	
Increment	INCR	
Independent	IND	industrial
Indoor air quality	IAQ	
Industrial	IND	Independent
Infinite	INF	
Information	INFO	
Infrared	IR	inside radius
Inlet manhole	IMH	
Input/output	I/O	
Insect screen	IS	island
Inside diameter	ID	identification; inside dimension; interior design
Inside dimension	ID	Identification; inside diameter; interior design
Inside face	IF	intake fan
Inside face of stud	IFS	
Inside radius	IR	infrared
Inspect	INSP	
Install	INSTL	
Instantaneous water heater	IWH	
Instrument	INSTR	
Insufficient	INSUF	
Insulated metal panel	INSUL PNL	
Insulation	INSUL	
Insurance	INS	
Intake fan	IF	inside face
Intercommunication	INTERCOM	
Interior	INT	

Interior design	ID	identification; inside diameter; inside dimension
Interlocked armored cable	BX	more unicusion
Internediate metal conduit	IMC	
International	INTL	
International Building Code	IBC	
International pipe standard	IPS	impulses per second; iron pipe size
International Standards Organization	ISO	isometric
International System of Units	SI	isometre
Interrupting capacity	IC	ironing cabinet
Interstate (highway)	I	moment of inertia
Intertek Testing Services	ITS	
Invert	INV	
Invert elevation	INV EL	
Inverted roof membrane assembly	IRMA	
Iron pipe	IP	
Iron pipe size	IPS	impulses per second; inches per second; international pipe standard
Iron pipe threaded	IPT	
Ironing cabinet	IC	interrupting capacity
Irregular	IRREG	1 3 1
Irrigation water	IW	
Island	IS	insect screen
Isolation transformer	IT	
Isometric	ISO	International Standards Organization
J		
Jalousie	JAL	
Janitor	JAN	
Janitor closet	JAN CLO	
Janitor sink		
Janitor's sink	JS	
Joint filler		
Joint stuffer		
Junction box	J-BOX	
Junior	JR	
K		
Kalamein door		
Kelvin	K	thousand
Keyway	KWY	
Kickplate	KPL	
Kiln dried	KD	knocked down
Kilo	k	
Kilocalorie	kCAL	
Kilogram	kg	
Kilohertz	kHz	
Kiloliter	kL	

Kilometer	km	
Kilometers per hour	km/h	
Kilometers per second	km/s	
Kilovolt	kV	
Kilovolt ampere	kVA	
Kilovolt ampere per hour	kVAh	
Kilovolt ampere reactive	kVAR	
Kilowatt	kW	
Kilowatt hour	kWh	
Kilowatt hour meter	kWhm	
Kilpascal	kPa	
Kips per lineal foot	KLF	
Kips per square foot	KSF	
Kips per square inch	KSI	
Kitchen	KIT	
Kitchen cabinet	KC	
Knee brace	KB	
Knock out panel	KOP	
Knocked down	KD	kiln dried
Knockout	КО	
L		
Laboratory	LAB	
Lacquer	LAQ	
Ladder	LAD	
Lagging	LAG	
Lally column	L COL	
Laminate	LAM	
Laminated glass	LAM GL	
Lamp lumen depreciation	LLD	
Landing	LDG	
Landmark	LDMK	
Landscape	LNDSCP	
Lane	LN	
Large	LRG	
Large scale	LS	lawn sprinkling; lump sum
Latch and lock	L&L	
Latent heat	LH	left hand
Latent heat gain	LHG	
Latent heat ratio	LHR	left hand reverse
Lateral	LATL	
Lath		
Lath and plaster	L&P	
Latitude	LAT	lattice; leaving air temperature
Lattice	LAT	latitude; leaving air temperature
Launch	LANH	
Laundry	LAU	
Laundry chute	LC	

Lavatory	LAV	
Lawn sprinkling	LS	large scale; lump sum
Layer	LYR	, ,
Layout	LYT	
Lead lined	LL	live load; low level; lower left
Lead lined gypsum board	LL GB	
Leader	LDR	
Leaving air	LA	lighting arrester
Leaving air temperature	LAT	latitude; lattice
Leaving dry bulb temperature	LDBT	
Leaving water temperature	LWT	
Leaving wet bulb temperature	LWBT	
Left hand	LH	latent heat
Left hand reverse	LHR	latent heat ratio
Left hand side	LHS	
Lexan		
Library	LIB	
Light	LT	
Light emitting diode	LED	
Light gage	LT GA	
Light pole	LP	lightproof; liquid petroleum; low pressure(mechanical)
Light switch	LT SW	
Lighting	LTG	
Lighting panel	LTG PNL	
Lightning	LTNG	
Lightning arrester	LA	leaving air
Lightproof	LP	light pole; liquid petroleum; low pressure(mechanical)
Lightproof louver	LPL	
Lightproof vent	LPV	
Lightweight	LT WT	
Lightweight concrete	LWC	
Lightweight concrete masonry unit	LCMU	
Lightweight insulating concrete	LWIC	
Lightweight plaster	LW PLAS	
Limestone	LMST	
Limit switch	LIM SW	
Limited	LTD	
Line ground	LG	liquid gas
Line of sight	LOS	
Linear	LIN	
Linear ceiling diffuser	LCD	
Linear diffuser	LD	
Linear feet (foot)	LF	
Linen closet	L CL	
Linoleum	LINO	
Liquid	LIQ	liquor

Liquid gas	LG	line ground
Liquid natural gas	LNG	longitude
Liquid oxygen	LOX	
Liquid petroleum	LP	light pole; lightproof; low
		pressure(mechanical)
Liquid petroleum gas	LPG	low pressure gas
Liquor	LIQ	liquid gas
Liter	L	angle
Liter per second	L/s	
Live load	LL	lead lined; lower left; low level
Living room	LRG	
Load-bearing	LD BRG	
Location	LOC	
Lock on	LO	lubricating oil
Locked rotor ramps	LRA	
Locker	LKR	
Locker room	LKR RM	
Locknut	LKNT	
Lockwasher	LKWASH	
Logarithm	LOG	
Long leg horizontal	LLH	
Long leg vertical	LLV	
Longitude	LNG	liquid natural gas
Longitudinal	LONG	
Loose cubic meter	LCMU	
Loose cubic yard	LCY	
Loose fill insulation	LF INS	
Loudspeaker		
Louver	LVR	
Louver door	LVDR	
Louvered	LVDR	
Louvered roof vent	LRV	
Low density polyethylene	LDPE	
Low level	LL	lead lined; live load; lower left
Low point	LPT	
Low power factor	LPF	
Low pressure (mechanical)	LP	light pole; lightproof; liquid petroleum
Low pressure alarm switch	LPAS	
Low pressure air	LPA	
Low pressure boiler	LPB	
Low pressure condensate return	LPCR	
Low pressure drip trap set	LPDT	
Low pressure gas	LPG	liquid petroleum gas
Low pressure return	LPR	
Low pressure sodium	LPS	low pressure steam
Low pressure steam	LPS	low pressure sodium
Low temperature hot water	LTHW	
Low voltage	LV	

Low water cut off	Low water	LW	
Low water mark Lower left Low labricate Lubricating oil Lubricating oil pump Lubricating oil pump Lubricating oil pump Lubricating oil pump Lubricating oil yent Lumber Machine Machine Machine Machine Machine Machine Machine Machine serew MS Magnet MAG Magnet MAG Magnet MAG Magnet MAG Magnet MAG Magnet MAHOG Malbogany MAHOG Mail chute MCH Mail chute MCH Mail chute MCB MAHORI			
Lower left LL lead lined; live load; low level Lubricating oil LO lock on Lubricating oil pump LOP Lubricating oil pump LOP Lubricating oil pump LOP Lubricating oil vent LOV Lucite			
Lubricating oil LO lock on Lubricating oil pump LOP Lubricating oil vent LOV Lucite	Lower left	LL	lead lined; live load; low level
Lubricating oil pump LOP Lubricating oil vent LOV Lucite	Lubricate	LUB	, ,
Lubricating oil pump LOP Lubricating oil vent LOV Lucite	Lubricating oil	LO	lock on
Lucite LOW Lumber LBR Lumen LM Lumen dirt depreciation LDD Lumen grawt LPW Lump sum LS Machine MACH Machine bolt MB Machine screw MS Machine screw MS Machine screw MS Mapnet MAG Magnetic north MN Mangany MAHOG Mail chute MCH Mail chute MCH Main circuit breaker MCB metal corner bead Maintenance MAINT MAW Make up air unit MAU MAU Make up air unit MAU MAU Management MGT MGT Management MGT MGT Management MGT metal-clad; moisture content; moment connection Manual air vent MAN metal-clad; moisture content; moment connection Manual damper MD metal-clad; moisture content; moment con	ū		
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Lump sum LS larger scale; lawn sprinkling M MACH MACH Machine bolt MB mail box; mixing box Machine room MACH RM MACH RM Machine screw MS mop sink; motor starter Magnet MAG MAG Mappetic north MN MAG Malogany MAHOG MAINT Mail box MB machine bolt; mixing box Mail chute MCB metal corner bead Maintenance MCB metal corner bead Maintenance MAINT MAINT Make up air unit MAU MAINT Make up air unit MAU MAINT Management MGT MGT Management MGT MGT Management MGT mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual transfer switch MTS MGD Manual transfer switch MTS MGD Manual transfer switch			
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Magnetic north MN Mahogany MAHOG Mail box MB machine bolt; mixing box Mail chute MCH Main circuit breaker MCB metal corner bead Maintenance MAINT Make up air unit MAU Make up water MAUW Male pipe thread MPT Management MGT Manhole MH Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN MAN Manual air vent MAV MAV Manual damper MD metal deck Manual volume damper MVD MTS Manual volume damper MVD MTS Manufactured MFD MFR Manufacturer's recommendation MFR REC Manufacturer's Resociation MFR REC Maple Flooring Manufacturer's Association MFMA Metal Framing Manufacturer's Association Marble floor MRB MRB	Machine screw	MS	mop sink; motor starter
Magnetic north MN Mahogany MAHOG Mail box MB machine bolt; mixing box Mail chute MCH Main circuit breaker MCB metal corner bead Maintenance MAINT Make up air unit MAU Make up water MAUW Male pipe thread MPT Management MGT Manhole MH Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN MAN Manual air vent MAV MAV Manual damper MD metal deck Manual volume damper MVD MTS Manual volume damper MVD MTS Manufactured MFD MFR Manufacturer's recommendation MFR REC Manufacturer's Resociation MFR REC Maple Flooring Manufacturer's Association MFMA Metal Framing Manufacturer's Association Marble floor MRB MRB	Magnet	MAG	
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Mail box MB machine bolt; mixing box Mail chute MCH MCH Main circuit breaker MCB metal corner bead Main circuit breaker MCB metal corner bead Main circuit breaker MAUW MAUM Make up air unit MAU MAUW Make up water MAUW MAUW Male pipe thread MPT MPT Management MGT MC Manhole MH MC Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN MAN Manual air vent MAV MAV Manual damper MD metal deck Manual transfer switch MTS MTS Manual volume damper MVD Manufactured Manufactured MFD Manufacturer's recommendation MFR REC Manufacturer's recommendation MFR REC MFG Maple Flooring Manufacturer's Association MFMA Metal Framing Manufacturer's Association Marble floor MRF MRF	_	MAHOG	
Mail chute MCH Main circuit breaker MCB metal corner bead Maintenance MAINT Make up air unit MAU Make up water MAUW Male pipe thread MPT Management MGT Manhole MH Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN MAN Manual damper MD metal deck Manual transfer switch MTS MTS Manual volume damper MVD MTS Manufactured MFD MST Manufacturer's recommendation MFR mass flow rate Manufacturing MFG Maple Flooring Manufacturer's Association MFMA Metal Framing Manufacturer's Association Marble floor MRB MRB		MB	machine bolt; mixing box
Maintenance MAINT Make up air unit MAU Make up water MAUW Male pipe thread MPT Management MGT Manhole MH Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN Manual air vent MAV Manual damper MD metal deck Manual transfer switch MTS Manual volume damper MVD Manufactured MFD Manufacturer's recommendation MFR REC Manufacturing MFG Manufacturing MFG Maple Flooring Manufacturer's Association MFMA Marble base MRB Marble floor MRF	Mail chute	MCH	
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Make up water MAUW Male pipe thread MPT Management MGT Manhole MH Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN Manual air vent MAV Manual damper MD Manual transfer switch MTS Manual volume damper MVD Manufactured MFD Manufacturer MFR Manufacturer's recommendation MFR REC Manufacturing MFG Maple Flooring Manufacturer's Association MFMA Marble base MRB Marble floor MRF	Maintenance	MAINT	
Make up water MAUW Male pipe thread MPT Management MGT Manhole MH Manhole cover MC mechanical contractor; medicine cabinet; metal-clad; moisture content; moment connection Manual MAN Manual air vent MAV Manual damper MD Manual transfer switch MTS Manual volume damper MVD Manufactured MFD Manufacturer MFR Manufacturer's recommendation MFR REC Manufacturing MFG Maple Flooring Manufacturer's Association MFMA Marble base MRB Marble floor MRF	Make up air unit	MAU	
ManagementMGTManholeMHManhole coverMCmechanical contractor; medicine cabinet; metal-clad; moisture content; moment connectionManualMANManual air ventMAVManual damperMDmetal deckManual transfer switchMTSManual volume damperMVDManufacturedMFDManufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF		MAUW	
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Manual damperMDmetal deckManual transfer switchMTSManual volume damperMVDManufacturedMFDManufacturerMFRmass flow rateManufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF			
Manual transfer switchMTSManual volume damperMVDManufacturedMFDManufacturerMFRmass flow rateManufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF			
Manual volume damperMVDManufacturedMFDManufacturerMFRmass flow rateManufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manual damper	MD	metal deck
ManufacturedMFDManufacturerMFRmass flow rateManufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manual transfer switch	MTS	
ManufacturerMFRmass flow rateManufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manual volume damper	MVD	
Manufacturer's recommendationMFR RECManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manufactured	MFD	
ManufacturingMFGMaple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manufacturer	MFR	mass flow rate
Maple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manufacturer's recommendation	MFR REC	
Maple Flooring Manufacturer's AssociationMFMAMetal Framing Manufacturer's AssociationMarble baseMRBMarble floorMRF	Manufacturing	MFG	
Marble base MRB Marble floor MRF		MFMA	Metal Framing Manufacturer's Association
		MRB	
Marble Institute of America MIA	Marble floor	MRF	
	Marble Institute of America	MIA	

Marble threshold	MRT	
Marker	MKR	
Masonite		
Masonry opening	MO	motor operated
Mass flow rate	MFR	manufacturer
Master antenna television system	MATV	
Master bedroom	MBR	member
Master switch	MSW	
Masterkeyed	MKD	
Masthead	MHD	
Mastic		
Mastic floor	MF	mill finish
Material	MATL	
Materials list	ML	metal lath; monolithic
Matrix	MTX	
Maximum	MAX	
Maximum overcurrent protection	МОСР	
Mean sea level	MSL	
Mean temperature difference	MTD	mounted
Measure	MEAS	
Mechanical	MECH	
Mechanical contractor	MC	manhole cover; medicine cabinet;
		metal-clad; moisture content;
		moment connection
Mechanical engineer	ME	medical
Mechanical room	MECH RM	
Medical	MED	
Medical cabinet	MC	
1	MC	
Medium	MED	
Medium Medium density overlay		
	MED	
Medium density overlay	MED MDO	miles per gallon
Medium density overlay Medium pressure Medium pressure gas Medium pressure return	MED MDO MPT MPG MPR	miles per gallon
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam	MED MDO MPT MPG MPR MPS	miles per gallon
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water	MED MDO MPT MPG MPR MPS MTHW	miles per gallon
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting	MED MDO MPT MPG MPR MPS MTHW MTG	miles per gallon mounting
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz	MED MDO MPT MPG MPR MPS MTHW MTG MHz	
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz Megavolt-ampere	MED MDO MPT MPG MPR MPS MTHW MTG MHz MVA	
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Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz Megavolt-ampere Megawatt Megawatt hour Melamine	MED MDO MPT MPG MPR MPS MTHW MTG MHz MVA MW MWH	mounting microwave
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Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz Megavolt-ampere Megawatt Megawatt hour Melamine Member Membrane Membrane waterproofing	MED MDO MPT MPG MPR MPS MTHW MTG MHz MVA MW MWH MWH MEL MBR MEMB MWP	mounting microwave
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz Megavolt-ampere Megawatt Megawatt hour Melamine Member Membrane	MED MDO MPT MPG MPR MPS MTHW MTG MHz MVA MW MWH MEL MBR MEMB	mounting microwave
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz Megavolt-ampere Megawatt Megawatt hour Melamine Member Membrane Membrane waterproofing Memorandum Mercury	MED MDO MPT MPG MPR MPS MTHW MTG MHz MVA MW MWH MWH MEL MBR MEMB MWP MEMO Hg	mounting microwave
Medium density overlay Medium pressure Medium pressure gas Medium pressure return Medium pressure steam Medium temperature hot water Meeting Megahertz Megavolt-ampere Megawatt Megawatt hour Melamine Member Membrane Membrane waterproofing Memorandum	MED MDO MPT MPG MPR MPS MTHW MTG MHz MVA MW MWH MEL MBR MEMB MWP MEMO	mounting microwave

Metal base	MTLB	
Metal corner bead	MCB	main circuit breaker
Metal deck	MD	manual damper
Metal door	MTLD	mandar damper
Metal flashing	MTLF	
Metal Framing Manufacturer's Association	MFMA	Maple Flooring Manufacturer's Association
Metal lath	ML	materials list; monolithic
Metal lath and plaster	ML&P	materials list, monontine
	WIL & F	
Metal nosing Metal oxide semiconductor	MOS	
Metal partition	MTLP	
_		
Metal roof	MTLR	
Metal threshold	MT	mount
Metal-clad	MC	manhole cover; medicine cabinet; mechanical contractor; moisture content;
		mechanical contractor; moisture content; moment connection
7.7		moment connection
Meter	m	
Meters per second	m/s	
Methyl ethyl ketone	MEK	
Mezzanine	MEZZ	
Microphone	MIC	
Microwave	MW	megawatt
Middle	MID	
Miles per gallon	MPG	medium pressure gas
Miles per hour	MPH	
Military standard	MIL STD	
Mill finish	MF	mastic floor
Milliampere	mA	
Millimeter	mm	
Million gallons per day	MGD	
Millisecond	ms	
Millivolt	mV	
Milliwatt	mW	
Millwork	MLWK	
Minimum	MIN	minute
Minimum circuit amps	MCS	
Minute	MIN	minimum
Mirror	MIRR	*
Mirror glass		
Miscellaneous	MISC	
Miscellaneous metal		
Miter	MIT	
Mixed air	MA	
Mixed air temperature	MAT	
Mixing box	MB	machine bolt; mail box
Model Model	MOD	machine boit; mail box modify; module; motor operated damper
Modified bitumen	MOD BIT	mouny; moune; motor operated damper
		models modules moters are restal decreases
Modify	MOD	model; module; motor operated damper

Modulator-demodulator	MODEM	
Module	MOD	model; modify; motor operated damper
Modulus of elasticity	E	east
Modulus of section	Z	
Moisture	MSTRE	
Moisture content	MC	manhole cover; mechanical contractor; medicine cabinet; metal-aid; moment connection
Moisture resistant	MR	
Molding (moulding)	MLDG	
Moment	M	
Moment connection	MC	manhole cover; mechanical contractor; medicine cabinet; metal-clad; moisture content
Moment of inertia	I	interstate (highway)
Monitor	MON	monument
Monolithic	ML	materials list; metal lath
Monument	MON	monitor
Mop rack	MOPR	
Mop service basin	MSB	
Mop sink	MS	machine screw; motor starter
Mop/broom holder	MBH	
Motor	MOT	
Motor control center	MCC	
Motor direct connect	MDC	
Motor generator	MG	
Motor operated	MO	masonry opening
Motor operated damper	MOD	model; modify; module
Motor operated valve	MOV	
Motor starter	MS	machine screw; mop sink
Mount	MT	metal threshold
Mount Pleasant city water	MPCW	
Mounted	MTD	mean temperature differences
Mounting	MTG	meeting
Movable	MVBL	
Mullion	MULL	
Multiple	MULT	
Multizone	MZ	
Municipal	MUNIC	
N		
Nameplate	NPL	nickel plated
Narrow	NAR	
Narrow stile	NS	near side; no scale
National	NATL	
National Association of Architectural Metal Manufacturer's	NAAMM	
National Building Code	NBC	

N. I.D. CCL I I	NDC	
National Bureau of Standards	NBC	
National Electrical Code	NEC	
National Electrical Manufacturer's Association	NEMA	
National Fenestration Rating Council	MFRC	
National Fire Code	NFC	
National Fire Protection Association	NFPA	
National Institute of Building Sciences	NIBS	
National Institute of Standards	NIST	
and Technology		
National Paint and Coatings Association	NPCA	
National Roofing Contractor's Association	NRCA	
Natural	NAT	
Natural gas	G	girder; ground
Near face	NF	
Near side	NS	narrow stile; no scale
Negative	NEG	
Negotiated	NEGTD	
Net weight	NT WT	
Neutral	NEUT	
Newton	N	north
Nickel	NKL	
Nickel cooper	NICOP	
Nickel cooper alloy	NCA	
Nickel plated	NPL	nameplate
Nickel silver	NI SL	-
Night light	NL	
No paint	NP	
No scale	NS	narrow stile; near side
Noise criteria	NCA	normally closed
Noise isolation class	NIC	not in contract
Noise reduction	NR	
Noise reduction coefficient	NRC	
Nominal	NOM	
Noncombustible	NCOMBL	
Nonflammable	NONFLMB	
Nonfused	NFSD	
Nonloadbering	NLB	
Nonmagnetic	NMAG	
Non-metallic	NM	
Non-reinforced concrete pipe	NRCP	
Nonremovable	NRP	
Non-slip stair nosing		
Nonstandard	NON STD	
Normal	NORM	
Normally closed	NC	noise criteria
Normally open	NO	number
North	N	newton
i	L	ı

Not applicable	NA		
Not exceeding	NE		
Not in contract	NIC	noise isolation class	
Not to scale	NTS		
Notice of clarification	NOC		
Notice to proceed	NTP		
Number	NO	normally open	
Numeral	NUM		
0			
Obscure glass	OGL		
Obscure wired glass	OWGL		
Observation window	OBW		
Occupational Safety and	OSHA		
Health Administration			
Occupy	OCC		
Octagon	ОСТ		
Office	OFF		
Oil circuit breaker	OCB		
Oil circuit recloser	OCR		
Oil gage	OGA		
Oil level	OLVL		
Oil pressure	OPRS		
Oil proof	OP		
Oil seal	OSL		
Oil switch	OS		
Oil temperature gauge	OTG		
On center	OC		
One thousand gallons per hour	MGPH		
One thousand square feet	MSF		
Opaque	OPQ		
Open web steel joists			
Opening	OPNG		
Operable	OPR		
Operating room	OR	outside radius	
Operating steam pressure	OSP		
Opposite	OPP		
Opposite hand	ОРН		
Optimum	OPT	optional	
Optional	OPT	optimum	
Ordnance	ORD	overflow roof drain	
Organic	ORG		
Original	ORIG		
Ornamental	ORN		
Ounce	OZ		
Out to out	O/O		
Outlet	OUT		
Outside air	OA	overall	

Outside air damper	OAD	
Outside air grille	OAG	
Outside air intake	OAI	
Outside diameter	OD	outside dimension
Outside dimension	OD	outside diameter
Outside face	OF	outside diameter
Outside face of studs	OFS	
Outside radius	OR	operating room
Over	O/	operating room
Overall	OA	outside air
Overcurrent	OVC	outside air
Overflow	OVFL	
Overflow drain	OFD	
Overflow roof drain	ORD	ordnance
	OH	orunance
Overhang	OH DR	
Overhead (coiling) door		
Overload	OL	
Override	OVRD	
Owner furnished/contractor installed	OF/CI	
Owner furnished/owner installed	OF/OI	
Oxygen	0	
P		
Package	PKG	
Packaged terminal air conditioner	PTAC	
Paint	PT	pipe thread; pneumatic tube; post-tensioned; pressure treated
Painted base	PB	panelboard; panic bar; pull box; pushbutton
Painted metal	PMET	
Painting and Decorating Contractors of America	PDCA	
Pair	PR	pipe rail; pumped return
Panel	PNL	
Panel point	PP	polypropylene (plastic); push/pull
Panelboard	PB	painted base; panic bar; pull box; pushbutton
Panic bar	PB	painted base; panelboard; pull box; pushbutton
Panic bolt	PANB	
Paper cup dispenser	PCD	
Paper towel dispenser	PTD	printed
Paper towel dispenser and receptacle	PTDR	
Paper towel receptacle	PTR	
Paragraph	PARA	
Parallel		
Paranei	PAR	parapet
Parapet	PAR PAR	parapet parallel

Parking	PRKG	
Parking garage	PK GAR	
Parking lot	PK LOT	
Parkway	PKWY	
Part number	PN	
Partial	PART	
Particleboard	PBD	
Partition	PTN	
Parts per million	PPM	
Pascal	Pa	
Pass window	PW	
Passenger	PASS	
Pass-through window		
Paste		
Pattern	PAT	
Paved	PV	
Paved road	PV RD	
Pavement		
Paving	PVG	
Pedestal	PED	
Pegboard	PGBD	
Pendant	PEND	
Penetrate	PEN	
Penny (nail)	D	deep; depth
Penthouse	PH	phase
Percent	PCT	
Perforated	PERF	perform
Perform	PERF	perforated
Perimeter	PERIM	
Period	PER	
Permanent	PERM	
Perpendicular	PERP	
Petroleum	PETRO	
Pharmacy	PHAR	
Phase	PH	penthouse
Phase meter	PM	
Phillips head screw	PHS	
Photoelectric	PE	pneumatic electric
Photoelectric cell	PEC	
Photograph	РНОТО	
Piece	PC	point of curve; polycarbonate; portland cement
Pilaster	PIL	
Piling	PLG	
Pipe anchor	PA	power amplifier; public address
Pipe rail	PR	pair; pumped return
Pipe sleeve	PSL	

Pipe thread	PT	paint; pneumatic tube; post-tensioned; pressure treated
Pitch pocket		
Pivoted	PIV	post indicator valve
Place	PLC	
Plant mix bituminous concrete	PMBC	
Plaster	PLAS	plastic
Plaster wall	PLST WL	
Plastic	PLAS	plaster
Plastic laminate	PLAM	
Plate glass	PL GL	
Platform	PLAT	
Plexiglass		
Plumb	PLB	
Plumbing	PLBG	
Plywood	PLYWD	
Pneumatic	PNEU	
Pneumatic electric	PE	photoelectric
Pneumatic tube	PT	paint; pipe thread; post-tensioned; pressure-treated
Point of curve	PC	piece; polycarbonate; portland cement
Point of intersection	PI	
Pole	P	pump
Polished	POL	
Polished plate glass	PPGL	
Polycarbonate	PC	piece; point of curve; portland cement
Polychlorinated biphenyl	PCB	
Polyethylene (plastic)	POLY	
Polyisobutylene (plastic)	PIB	
Polypropylene (plastic)	PP	panel point; push/pull
Polystyrene (plastic)	PSL	pull station
Polyvinyl acetate	PVA	
Polyvinyl chloride (plastic)	PVC	
Polyvinyl fluoride (plastic)	PVF	
Porcelain	PORC	
Portable	PORT	
Portable water	POTW	
Portland cement	PC	piece; point of curve; polycarbonate
Portland Cement Association	PCA	
Portland cement plaster	PCP	
Position	POS	positive
Positive	POS	position
Post indicator valve	PIV	pivoted
Post office	PO	purchase order
Post-tensioned	PT	paint; pipe thread; pneumatic tube; pressure-treated
Post-tensioned concrete	PT CONC	
Pound	LB	

Pound-force per cubic foot Pound-force per foot	LBF/CF	
Pound-force per foot	LBr/Cr	
	LBF/FT	
Pound-force per horsepower	LBF/HP	
Pound-force per hour	LBF/H	
Pound-force per inch	LBF/IN	
Pound-force per minute	LBF/MIN	
Pound-force per square foot	LBF/SF	
Pound-force per square inch	LBF/SI	
Pounds per cubic foot	PCF	
Pounds per linear foot	PLF	
Pounds per square foot	PSF	
Pounds per square inch	PSI	
Pounds per square inch absolute	PSIA	
Pounds per square inch, gage	PSIG	
Pour		
Poured in place		
Power	PWR	
Power amplifier	PA	pipe anchor; public address
Power factor	PF PF	pipe anchor; public address
Power line	POW LN	
Power panel		
Power pole		
Power roof exhaust	PRE	
Power roof ventilator	PRV	pressure reducing valve; pressure regulator valve; pressure relief valve.
Precast	PRCST	
Precast concrete	PCC	precool coil
Precast/Pressed Concrete Institute	PCI	
Precool coil	PCC	precast concrete
Precut		r
Prefabricate	PREFAB	
Preference	PREF	
Prefinish	PREFIN	
Pre-fit		
Preformed	PREFMD	
Preheat coil	PHC	
Preliminary	PRELIM	
Premolded	PRMLD	
Premolded expansion joint	PEJ	
Preparation	PREP	
Pressure	PRESS	
Pressure drop or difference	PD	
Pressure gage	PG	profile grade
Pressure reducing station	PRS	
Pressure reducing valve	PRV	power roof ventilator; pressure
		regulator valve; pressure relief valve

Pressure regulator valve	PRV	power roof ventilator; pressure reducing valve; pressure relief valve
Pressure relief valve	PRV	power roof ventilator; pressure regulator valve; pressure reducing valve
Pressure switch	PRESS SW	
Pressure temperature relief valve	PTRV	
Pressure treated	PT	paint; pipe thread; pneumatic tube; post-tensioned
Prestressed concrete	PS CONC	
Pre-trimmed		
Previous	PREV	
Primary	PRI	
Primary chill water pump	PMP	
Primary chilled water return	PCHWR	
Primary chilled water supply	PCHWS	
Primary hot water return	PHWR	
Primary hot water supply	PHWS	
Prime coat		
Primer		
Principal	PRIN	
Printed	PTD	paper towel dispenser
Probable maximum flood	PMF	
Production	PROD	
Profile grade	PG	pressure gage
Project	PROJ	
Property	PROP	
Property line	PL	
Provisional	PROV	
PSF absolute	PSFA	
PSF gage	PSFG	
Public address	PA	pipe anchor; power amplifier
Pull box	PB	painted base; panelboard; panic bar; pushbutton
Pull station	PS	polystyrene (plastic)
Pump	P	pole
Pump discharge	PDISCH	
Pump suction	PMPSCT	
Pumped condensate	CNDP	
Pumped return	PR	pair; pipe rail
Purchase order	PO	post office
Purlins	PUR	
Purse shelf	PSH	
Push rod	PRD	
Push/pull	PP	panel point; polypropylene (plastic)
Push/pull plate	PP PL	
Pushbutton	PB	painted base; panelboard; panic bar; pull box

Q		
Quadrangle	QUAD	quadrant
Quadrant	QUAD	quadrangle
Quadruple receptacle outlet	4OUT	
Quality	QUAL	
Quality assurance	QA	
Quality control	QC	
Quality control review	QCR	
Quality management	QM	
Quantity	QTY	
Quarry	QRY	
Quarry tile	QT	
Quarry tile base	QTB	
Quarry tile floor	QTF	
Quarter	QTR	
Quotation	QUOT	
R		
Rabbeted	RAB	
Radian	RAD	radiator; return air duct
Radiation	RADN	
Radiation hazard	RAD HAZ	
Radiator	RAD	radian; return air duct
Radio frequency	RF	resilient flooring
Radius	R	range; riser; thermal resistance
Railing	RLG	
Railroad	RR	roll roofing
Rain water downspout	RDS	
Rain water gutter	RGUT	
Rain water leader	RWL	
Range	R	radius; riser; thermal resistance
Rapid start	RS	rough sawn
Rate of flow	Q	heat transfer
Rating	RTG	
Reactive kilovolt amperes	RKVA	
Received	RECD	
Receiver	RCVR	
Receptacle	RECPT	
Reception	RCPTN	
Recessed	REC	
Recessed waste receptacle	RWR	
Reciprocal	RECIP	
Recirculate	RECIRC	
Recirculate pump	RECIRCP	
Recreation room	REC ROOM	
Rectangle	RECT	
Reducer	RDC	

Redwood	RWD	
Reference	REF	refrigerator
Reflect	REFL	
Reflected ceiling plan	RCP	reinforced concrete pipe
Refractory	REFR	refrigeration
Refrigerant	RFGT	
Refrigerant discharge	RD	road; roof drain
Refrigerant hot gas	RHG	
Refrigerant liquid line	RLL	
Refrigerant suction line	RSL	
Refrigeration	REFR	refractory
Refrigerator	REF	reference
Register	REG	regulation
Regulation	REG	register
Reheat coil	RHC	
Reheat valve	RHV	
Reinforce	REINF	
Reinforced brick masonry	RBM	
Reinforced concrete	RC	remote control
Reinforced concrete box	RCB	
Reinforced concrete culvert pipe	RCCP	
Reinforced concrete pipe	RCP	reflected ceiling plan
Reinforcement		
Reinforcing bar		
Reinforcing steel	RST	
Reinforcing steel bars	REBAR	
Relative humidity	RH	right hand; roof hatch
Relief valve	RV	roof vent; roof ventilator
Remodel		
Remote control	RC	reinforced concrete
Removable	REM	
Repair	REP	
Replace	REPL	
Reproduce	REPRO	
Request for information	RFI	
Request for proposal	RFP	
Require	REQ	
Required	REQD	
Research and development		
Resilient	R&D	
<u> </u>	R&D RESIL	
Resilient base		rubber base
Resilient base Resilient flooring	RESIL RB RF	rubber base radio frequency
	RESIL RB	
Resilient flooring	RESIL RB RF	
Resilient flooring Restroom	RESIL RB RF REST	
Resilient flooring Restroom Return	RESIL RB RF REST RET	
Resilient flooring Restroom Return Return air	RESIL RB RF REST RET RA	radio frequency

Return air temperature	RAT	
Reveal	RVL	
Reverse	RVS	
Reverse osmosis	RVSO	
Revision	REV	revolutions
Revolutions	REV	revisions
Revolutions per minute	RPM	
Revolutions per second	RPS	
Rheostat	RHEO	
Right	RTG	
Right hand	RH	relative humidity; roof hatch
Right hand reverse	RHR	
Right of way	ROW	
Rigid insulation, solid	RDG INS	
Riser	R	radius; range; thermal resistance
Road	RD	refrigerant discharge; roof drain
Roadway	RW	
Robe hook	RB HK	
Rocklath		
Roll roofing	RR	railroad
Rolling steel door	RSD	
Roof drain	RD	refrigerant discharge; road
Roof hatch	RH	relative humidity; right hand
Roof leader	RL	• • •
Roof top unit	RTU	
Roof vent	RV	relief valve; roof ventilator
Roof ventilator	RV	relief valve; roof vent
Roofing	RFG	
Room	RM	
Room air conditioner	RAC	
Room monitor system	RMS	root mean square
Root mean square	RMS	room monitor system
Rough opening	RO	
Rough sawn	RS	rapid start
Round	RND	
Round head machine screw	RHMS	
Round head wood screw	RHWS	
Rubber	RBR	
Rubber base	RB	resilient base
Rubber tile floor	RTF	
Runway	RWY	
Rusting steel		
S		
Saddle	SDL	
Safety factor	SF	square foot (feet); supply fan
Safety nosing		
Safety valve	SV	sheet vinyl

Salvage	SALV	
Sample	SAMP	
Sand		
Sandblast	SDBL	
Sanitary	SAN	
Sanitary napkin dispenser	SND	
Sanitary napkin disposal unit	SNDU	
Sanitary Sewer	SS	service sink; standing seam (roof); steam
Santary Sewer	55	supply; storm sewer
Saturate	SAT	suspended acoustical tile
Schedule	SCHED	
Schedule of values	SOV	shut off valve
Schematic	SCHEM	
School	SCH	
Scored joint	SJ	slip joint
Screen	SCRN	**
Scupper	SCP	
Scuttle		
Sea level	SL	spot light
Sealant	SLNT	spot ignt
Seamless	SMLS	
Seat cover dispenser	SCD	
Secondary chilled water pump	SCHWP	
Secondary chilled water return	SCHWR	
Secondary chilled water supply	SCHWS	
Secondary hot water return	SHWR	
Secondary hot water return Secondary hot water supply	SHWS	
Section	SECT	
Segment	SEG	
Select	SEL	
Semiconductor controlled rectifier	SCR	shower curtain rod
Sensible heat	SH	shingles; single hung (window)
Sensible heat gain	SHG	simgles, single nung (window)
Sensible heat ratio	SHR	shower
Sensor	SNSR	SHOWEI
Separate	SEP	
Septic tank	SEP TNK	
Service Service	SVCE SVCE	
Service Service sink	SVCE	sanitary sewer; standing seam (roof);
Sei vice sink	33	steam supply; storm sewer
Sewage	SWG	
Sewer	SWR	
Shading coefficient	SC	solid core
Shaft	SHT	sheet
Shaft (elevator)	SHFT	
Shaft horsepower		
	SFT HP	
Sheathing Sheet	SFT HP SHTHG SHT	shaft

Sheet metal	SM	silty sand; small; smooth
Sheet metal (flashing)	SHT MTL	
_	FLASH	
Sheet vinyl	SV	safety valve
Sheeting		
Shelving	SHV	
Shingles	SH	sensible heat; single hung (window)
Shop drawings	SD	smoke detector; soap dispenser;
		storm drain; supply duct
Short circuit capacity	SCC	
Shoulder	SHLDR	
Shower	SHR	sensible heat ratio
Shower curtain rod	SCR	semiconductor controlled rectifier
Shower drain	SHRD	
Shower head	SHR HD	
Shut off valve	SOV	schedule of values
Shutter	SHTR	
Sidewalk	SW	switch
Siding	SDG	
Signal	SIG	
Silty gravel	GM	
Silty sand	SM	sheet metal; small; smooth
Similar	SIM	
Single	SGL	
Single acting (door)	SA	supply air
Single hung (window)	SH	sensible heat; shingles
Single pole, double throw	SPDT	
Single pole, single throw	SPST	
Single receptacle floor outlet	FLOUTS	
Single receptacle outlet	SOUT	
single throw	ST	stairs; street
Sink		
Sketch	SK	
Skydome		
Skylight	SKLT	
Skylite		
Sleeve	SLV	
Sliding	SLDG	
Sliding glass door	SGD	
Slip joint	SJ	scored joint
Slop sink		
Small	SM	sheet metal; silty sand; smooth
Smoke	SMK	
Smoke damper	SDMPR	
Smoke detector	SD	shop drawings; soap dispenser; storm drain; supply duct
Smooth	SM	sheet metal; silty sand; small
Snow melt heating system	SMHS	

Soap dispenser	SD	shop drawings; smoke detector; storm drain; supply duct
Society of American Registered Architects	SARA	
Softwood	SFTWD	
Solder	SLDR	
Solenoid valve	SOLV	
Solid concrete masonry unit	SCMU	
Solid core	SC	shading coefficient
Solid core wood door	SCWD	
Solid plastic	SP	standpipe; sump pit
Solution	SOLN	
Solvent	SLVT	
Sound insulation	SND INS	
Sound transmission class	STC	
South	S	
Southern Building Code Congress International	SBCCI	
Space heater	SPH	
Speaker	SPKR	
Special	SPCL	
Special finish	SP FIN	
Specific gravity	SP GR	
Specification	SPEC	
Splash block	SB	
Spline	SPL	
Spot elevation	SP EL	
Spot light	SL	sea level
Sprinkler	SPKLR	
Sprinkler line	SPR	
Spruce-pine-fir	SPF	
Square	SQ	
Square bar	SQ BR	
Square centimeter; centimeter squared	cm2	
Square foot (feet)	SF	safety factor; supply fan
Square inch	SQ IN	
Square kilometer	KM2	
Square meter	M2	
Square millimeter	MM2	
Square yard	SQ YD	
Staggered	STAG	
Stained glass	ST GL	
Stainless	STNLS	
Stainless steel	SST	
Stainless steel pipe	SSP	
Stairs	ST	single throw; street
Standard	STD	
Standard cubic feet per minute	SCFM	
Standard cubic feet per second	SCFS	

Standard temperature and pressure	STP	
Standing seam (roof)	SS	sanitary sewer; service sink;
		steam supply; storm sewer
Standpipe	SP	solid plastic; sump pit
Start/stop	S/S	
Static pressure	ST PR	
Station	STAG	
Steam	STM	
Steam 150	STM 150	
Steam 450	STM 450	
Steam gage	SG	
Steam generator	ST GEN	
Steam manhole	SMH	
Steam return	STMR	
Steam supply	STMS	sanitary sewer; service sink; standing seam (roof); storm sewer
Steam working pressure	STWP	
Steel Deck Institute	SDI	Steel Door Institute
Steel Door Institute	SDI	Steel Deck Institute
Steel joist	STL JST	
Steel Joist Institute	SJI	
Steel lintel	STL LNTL	
Steel plate	STL PL	
Steel roof deck	STL RF DK	
Steel truss	STL TR	
Steel tube	STL TB	
Steel Window Institute	SWI	
Stepping	STPG	
Stiffener	STIF	
Stirrup	STIR	
Storage	STOR	
Storeroom	STRM	
Storm drain	SD	shop drawings; smoke detector; smoke dispenser; supply duct
Storm drain manhole	SDMH	
Storm sewer	SS	sanitary sewer; service sink; standing seam (roof); steam supply
Storm water	ST W	
Straight	STR	strike; stringers
Strainer	STNLS	
Street	ST	single throw; stairs
Strike	STR	straight; stringers
Stringers	STR	straight; strike
Strobe	STRB	
Strobe/horn	STRB/HRN	
Structural	STRUCT	
Structural clay tile	SCT	
Structural engineer	SE	
on actural engineer	SIE .	

Structural steel	STRUCT STL	
Stucco		
Styrene butadiene styrene	SBS	
Subfloor	SUB FL	
Subparagraph	SUBPAR	
Subsoil drain	SSD	
Substitute	SUB	
Substrate	SBSTR	
Suction	SUCT	
Sufficient	SUF	
Summary	SUM	
Sump pit	SP	solid plastic; standpipe
Sump pump	SMP	
Sump tank	SUTK	
Supervisor	SUPVR	
Supplement	SUPPL	
Supplementary	SUP	
Supply	SPLY	
Supply air	SA	single acting (door)
Supply air grille	SAG	
Supply duct	SD	shop drawings; smoke detector; soap dispenser; storm drain
Supply fan	SF	safety factor; square foot (feet)
Support	SPRT	
Suppression	SUPN	
Surface	SURF	
Surfaced four sides	S4S	
Surfaced one side	S1S	
Surfaced two sides	S2S	
Surround	SURR	
Surveillance camera	SURV CAM	
Surveillance equipment	SURV EQUIP	
Surveillance monitor	SURV MON	
Survey	SURV	
Suspend	SUSP	
Suspended acoustical plaster ceiling	SAPC	
Suspended acoustical tile	SAT	saturate
Suspended acoustical tile ceiling	SATC	
Suspended ceiling	SUSP CLG	
Suspended plaster ceiling	SPC	
Suspended unit heater	SUH	
Swing door	SWDR	
Switch	SW	sidewalk
Switchboard	SWBD	
Switchgear	SWGR	
Symbol	SYM	
Symmetrical	SYMM	
Synthetic	SYNTH	

System	SYS	
T		
Table of content	TOC	top of concrete; top of curb
Tabulate	TAB	
Tackboard	TK BD	
Tangent	TAN	
Tar		
Technical	TECH	
Telephone	TEL	
Telephone control panel	TCP	temperature control panel; traffic control plan
Telephone equipment room	TER	terrazzo
Telephone floor outlet	FOUTT	
Telephone jack	TEL JK	
Telephone outlet	TEL OUT	
Telephone pole	TP	total pressure; twisted pair
Telephone terminal board	TTB	
Television	TV	
Television outlet	TVOUT	
Temperature	TEMP	temporary
Temperature and pressure valve	T&P VALVE	
Temperature control panel	TCP	telephone control panel; traffic control plan
Temperature control valve	TCV	
Temperature difference	TD	towel dispenser; trench drain
Tempered	TMPD	
Tempered glass	TMPD GL	
Tempered hardboard	TEMP HDBD	
Temporary	TEMP	temperature
Temporary benchmark	TBM	
Tensile strength	TS	tube steel
Terminal	TERM	
Terminal unit controller	TUC	
Terra cotta	TC	
Terrazzo	TER	telephone equipment room
Test boring-xx (e.g. TB-01)	TB-xx	
Thermal	THERM	
Thermal conductance	C VALUE	
Thermal conductivity	K VALUE	
Thermal resistance	R	radius; range; riser
Thermopane		
Thermostat	TSTAT	
Thickness	THK	
Thousand	K	kelvin
Thousand board feet	MBF	
Thousand Btu per hour	MBtuH	
Thousand cubic feet	MCF	
Thousand feet board measure	MBM	

Thousand pounds	Thousand foot/pounds	KIP FT	
Threshold		KIP	
Through bolt THRU Through bolt THRUOUT Tile Council of America TCA Time and materials TRM To floor above TFA To floor below TFB Toliet (plumbing fixture) Tolet apper holder Tolet apper holder Top and bottom TRB Top and bottom TRB Top and bottom TRB Top of concrete Top of concrete Top of concrete footing Top of concrete wall Top of concrete wall Top of floor Top of manoloe TMH Top of pavement Top of sabo Top of steel T	Thread	THD	
Through bolt	Threshold	THRES	
Throughout	Through	THRU	
Time and materials	Through bolt	TB	towel bar
Time and materials T&M To floor above TFA To floor above TFB To floor below TFB Toilet (plumbing fixture)	Throughout	THRUOUT	
To floor above TFA To floor below TFB Tollet (plumbing fixture) Toilet paper dispenser TOIL Toilet paper holder TPH Toilet paper holder TPH Toilet paper holder TPH Toilet paper holder TPH Toilet paper holder TOL Tongue and groove T&G Togue and groove T&G Top and bottom T&B Top elevation TE Top of TO Top of beam TOB Top of concrete TOC Top of concrete footing TOC FTG Top of concrete footing TOC FTG Top of concrete wall TOC Top of floor TFF Top of floor TFF Top of floor TOF Top of foundation TO FDN Top of formanhole TOH TOP of maxbory TOM TOP of parapet TOP top of parapet TOP top of parapet TOP top of steel TOP top of stee	Tile Council of America	TCA	
To floor below Tipe To floor below Toliet paper dispenser Tipe Toliet paper holder Tol	Time and materials	T&M	
Toilet (plumbing fixture) Toilet paper dispenser TPD Toilet paper lolder Tolet paper holder Togo and bottom T&B Top and bottom TE Top of low paper paper holder Top of sourcet paper	To floor above	TFA	
Toilet paper dispenser Tolet paper holder Tolet paper holder TOL Toletance TOL Tongue and groove T&G Top and bottom T&B Top of levation Top of concrete Top of concrete Top of concrete wall Top of concrete wall Top of curb Top of flinish floor TFF Top of floor Top of flooting Top of manbole TMH Top of masonry Top of parapet Top of parapet Top of parapet Top of parapet Top of steel Top of wall Top of tup of flooting Top of wall Top of parapet Top of steel Top	To floor below	TFB	
Toilet paper holder Tolerance TOL Tolerance TOL Torgue and groove T&G Top and bottom T&B Top elevation TE Top of Top of concrete TOB Top of concrete TOC Top of concrete TOC Top of concrete wall TOC Top of concrete wall TOC Top of finish floor TFF Top of floor TOF Top of floor TOF Top of footing TOF Top of floor; top of frame TOF Top of frame TOF Top of floor; top of footing TOF Top of frame TOF Top of masonry TOM Top of masonry TOM Top of parapet TOP Top of parapet TOP Top of steel TOP Top of steel TOS Top of steel TOP T	Toilet (plumbing fixture)		
Tolerance TOL Tongue and groove T&G Top and bottom Top and bottom Top of concrete Top of Top of beam Top of concrete Top of concrete footing Top of concrete wall Top of concrete Top of fush floor Top of floor Top of floor Top of floor Top of footing Top of floor Top of footing Top of footing Top of footing Top of floor Top of frame Top of floor Top of frame Top of footing Top of frame Top of frame Top of footing Top of manhole Top of masonry Top of parapet Top of parapet Top of parapet Top of parapet Top of steel Top of steel Top of steel Top of trus Top of trus Top of wall Top of wall Top of trus Top	Toilet paper dispenser	TPD	
Tongue and groove T&B T&B Top and bottom T&B Top of elevation TE Top of	Toilet paper holder	TPH	
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Top elevation TE Top of	Tongue and groove	T&G	
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Top of concrete wall Top of curb Top of finish floor TFF Top of floor TOF Top of floor TOF Top of floor TOF Top of footing; top of frame Top of footing TOF Top of floor; top of floor; top of frame Top of foundation TOF Top of frame TOF Top of joist TOJ Top of manhole TMH Top of manhole TOP Top of parapet TOP Top of parapet TOP Top of parapet TOP Top of slab TOS Top of steel TOS Top of steel TOS Top of steel TOS Top of truss Top of trus TOF Top of trus TOF Top of top of slab TOS Top of steel TOP Top of steel TOP Top of trus TOP Top of wall TOW Topography TOPO Total dynamic head TDH Total pressure TP telephone pole; twisted pair Towel dispenser Tob temperature difference; trench drain Towel dispenser/receptacle TOR Towel rack Top of rim TOR Towel dispenser/receptacle TOR Towel bar Towel rack Top of rim TOR Towel dispenser/receptacle TOR Towel bar Towel rack Top of rim Top of wall Topography To	Top of concrete	TOC	table of content; top of curb
Top of curb Top of finish floor TFF Top of floor TOF Top of floor TOF Top of floor TOF Top of footing TOF Top of floor; top of frame TOF Top of frame TOF Top of frame TOF Top of floor; top of footing TOF Top of manhole TMH Top of masonry TOM Top of parapet TOP Top of parapet TOP Top of parapet TOP Top of suement Top of suement Top of suement Top of steel TOS Top of steel TOS Top of steel TOS Top of steel TOS Top of truss TOT Top of wall TOW Top of wall TOW Top of wall TOW Top of wall Tow Total dynamic head TDH Total quality management TOW Towel bar Towel dispenser TD temperature difference; trench drain Towel rowel rack Towel rack Tomel rack Tomel steen through bolt Towel dispenser/receptacle TOR Towel drack TR Top of rim	Top of concrete footing	TOC FTG	
Top of finish floor TOF top of footing; top of frame Top of footing TOF top of floor; top of frame Top of foundation TOF top of floor; top of frame TOF top of floor; top of floor; top of footing Top of frame TOF top of floor; top of footing TOF top of floor; top of footing TOF of point TOF top of floor; top of footing TOF top of floor; top of footing TOF of manhole TMH TOP top of pavement TOP top of pavement TOP top of pavement TOP of pavement TOP top of parapet TOP of stop of steel TOS top of steel TOS top of steel TOS top of steel TOF top of steel TOF top of slab TOF	Top of concrete wall	TOC WALL	
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Top of joist Top of manhole TMH Top of masonry TOM Top of parapet ToP top of parapet Top of parapet Top of rim TR towel rack Top of steel Top of steel Top of steel Top of truss Top of wall Top of trus Top of wall Top of trus Top of wall Top of wall Top of trus Top of wall Top of wall Top of trus Top of wall Top of trus Top of wall Top of wall Top of trus Top of wall Top of trus Top of wall Top of trus Top of wall Top of wall Top of wall Top of telephone pole; twisted pair Total quality management Towel bar Towel dispenser Tob Towel dispenser/receptacle Towel rack Top of rim	Top of foundation	TO FDN	
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Top of parapet TOP top of pavement TOP top of pavement TOP top of parapet TOP top of parapet TOP top of parapet TOP top of parapet TOP towel rack TOP of steel TOS top of steel TOS top of slab TOF	Top of manhole	TMH	
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Top of slab Top of steel Top of steel Top of truss Top of wall Topography Topography Total dynamic head Total pressure Total quality management Towel bar Towel dispenser Towel dispenser/receptacle Towel rack Top of steel Toos Top of steel Town Total Town Town Town Town Topography TopO Topography Topogra	Top of pavement	TOP	top of parapet
Top of steel Top of truss Top of wall Top of wall Topography Topography Total dynamic head Total pressure Total quality management Towel bar Towel dispenser Towel dispenser/receptacle Towel rack Top of slab Town Town Town Town Town Town Town Town	Top of rim	TR	towel rack
Top of truss Top of wall Topography Topography Total dynamic head Total pressure Total quality management Towel bar Towel dispenser Towel dispenser/receptacle Towel rack Towel of trus Total To	Top of slab	TOS	top of steel
Top of wall Topography TOPO Total dynamic head TDH Total pressure TOTAL quality management TOW Towel bar TOW Towel dispenser TD Towel dispenser/receptacle TOW TOW TOWEL	Top of steel	TOS	top of slab
Topography Total dynamic head TDH Total pressure TP telephone pole; twisted pair Total quality management Towl bar TB through bolt Towel dispenser TD temperature difference; trench drain Towel dispenser/receptacle TDR Towel rack TR top of rim	Top of truss	TOT	
Total dynamic head Total pressure TP telephone pole; twisted pair Total quality management TQM Towel bar Towel dispenser TD temperature difference; trench drain Towel dispenser/receptacle TDR Towel rack TR top of rim	Top of wall	TOW	
Total pressureTPtelephone pole; twisted pairTotal quality managementTQMTowel barTBthrough boltTowel dispenserTDtemperature difference; trench drainTowel dispenser/receptacleTDRTowel rackTRtop of rim	Topography	TOPO	
Total quality management Towel bar TB through bolt Towel dispenser TD temperature difference; trench drain Towel dispenser/receptacle TDR Towel rack TR top of rim	Total dynamic head	TDH	
Towel bar TB through bolt Towel dispenser TD temperature difference; trench drain Towel dispenser/receptacle TDR Towel rack TR top of rim	Total pressure	TP	telephone pole; twisted pair
Towel dispenser TD temperature difference; trench drain Towel dispenser/receptacle TDR Towel rack TR top of rim	Total quality management	TQM	
Towel dispenser/receptacle Towel rack TR top of rim	Towel bar	ТВ	through bolt
Towel rack TR top of rim	Towel dispenser	TD	temperature difference; trench drain
	Towel dispenser/receptacle	TDR	
Towal shelf TSH	Towel rack	TR	top of rim
TOWER SHEET 15H	Towel shelf	TSH	

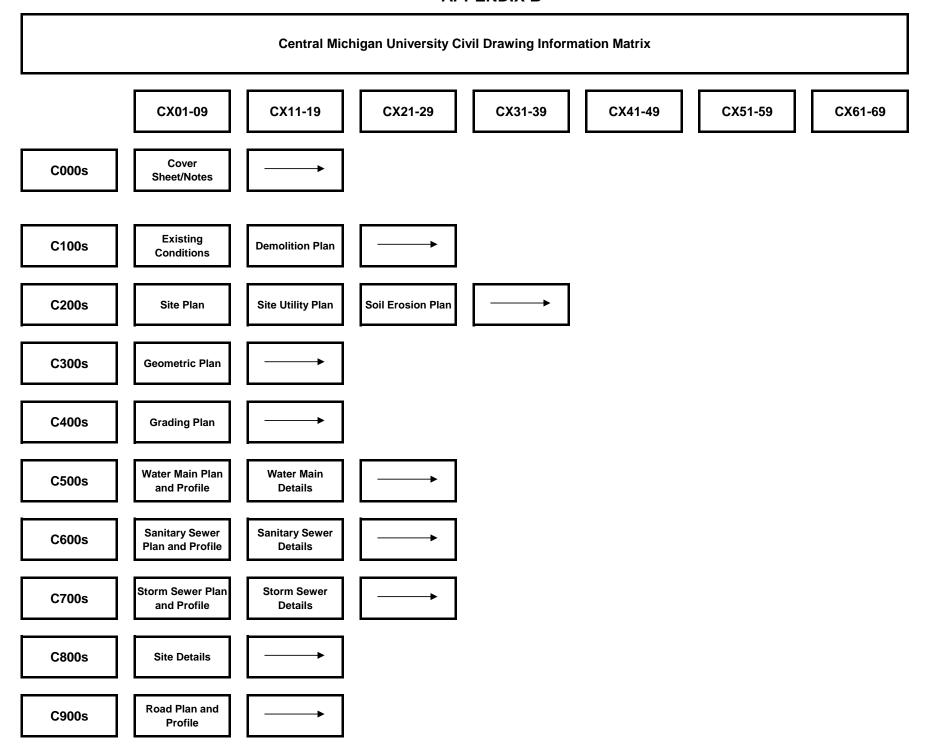
Tower water	TW	
Tower water return	TWR	
Tower water supply	TWS	
Traffic control plan	ТСР	telephone control panel; temperature control panel
Transfer	XFER	
Transfer grille	TG	
Transformer	XFMR	
Transom	TRANS	transparent
Transparent	TRANS	transom
Transparent wood finish	TRANS WD FIN	
Transverse expansion joint	TEJ	
Tread	T	
Treated	TRTD	
Treated water return	TWR	
Treated water supply	TWS	
Trench drain	TD	temperature difference; towel dispenser
True north	TN	
Tub/shower	T/S	
Tube steel	TS	tensile strength
Tunnel	TNL	
Turnbuckle	TRNBKL	
Turnpike	TNPK	
Twindow		
Twist lock	TL	
Twisted pair	TP	telephone pole; total pressure
Twisted pair shielded	TPS	
Typical	TYP	
U		
Ultimate	ULT	
Ultraviolet	UV	
Undercut	UC	
Undercut door	UCD	
Underfloor duct	UFD	
Underground	UGND	
Underwriters Laboratories	UL	
Unexcavated	UNEX	
Unfinish	UNFIN	
Uniform	UNIF	
Uniform Building Code	UBC	
Uniform Fire Code	UFC	
Uniform Mechanical Code	UMC	
Uniform Plumbing Code	UPC	
Uninterruptible power supply	UPS	
Unit heater	UH	
Unit of sound level	dBA	

Unit weight	UWT	
Universal	UNIV	
Unless noted	UN	
Unless noted otherwise	UNO	
Unless otherwise noted	UON	
Unpaved road	UNPV RD	
Untwisted pair	UTP	
Urinal	UR	
Utility	URTIL	
Utility pole	UP	
V		
V joint	VJ	
Vacuum	VAC	vacuum line
Vacuum breaker	VB	valve box; vinyl base
Vacuum cleaner outlet	VCO	
Vacuum line	VAC	vacuum
Vacuum pump	VP	vanishing point; vapor pressure; velocity pressure; veneer plaster
Vacuum return pump	VRP	
Valve box	VB	vacuum breaker; vinyl base
Vanishing point	VP	vacuum pump; vapor pressure; velocity pressure; veneer plaster
Vanity	VAN	
Vapor barrier		
Vapor pressure	VP	vacuum pump; vanishing point; velocity pressure; veneer plaster
Vapor proof	VAP PRF	
Vapor retarder	VRP	voltage regulator
Variable air volume box	VAV	
Variable air volume box w/reheat	VAVR	
Variable frequency	VF	
Variable frequency drive	VFD	
Variation	VAR	varies; volt ampere reactive
Varies	VAR	variation; volt ampere reactive
Vehicle	VEH	
Velocity	VEL	
Velocity pressure	VP	vacuum pump; vanishing point; vapor pressure; veneer plaster
Veneer	VNR	
Veneer plaster	VP	vacuum pump; vanishing point; vapor pressure; velocity pressure
Vent stack	VS	voltmeter switch
Vent through roof	VTR	
Ventilation	VENT	ventilator
Ventilator	VENT	ventilation
Veranda	VRNDA	
Verify	VRFY	I

Verify in field	VIF	
Vertical	VERT	
Vertical curve	VC	
Vertical grain	VG	
Vertical unit heater	VUH	
Very high frequency	VHF	
Very high output	VHO	
Vestibule	VEST	
Vibration	VIB	
Vicinity	VIC	
Video	VID	
Video amplifier	VIDAMP	
Video integration	VINT	
Village	VIL	
Vinyl base	VB	vacuum breaker; valve box
Vinyl composition tile	VCT	vitrified clay tile
Vinyl faced acoustical tile	VFAT	, and the second
Vinyl tile		
Vinyl wall covering	VWC	
Vinyl wall fabric	VWF	
Viscosity	VISC	
Visqueen		
Visual	VIS	
Vitreous	VIT	
Vitrified clay tile	VCT	vinyl composition tile
Volatile organic compound	VOC	
Volt	V	
Volt ampere	VA	
Volt ampere reactive	VAR	variation; varies
Voltage	VOLT	
Voltage drop	VD	volume damper
Voltage regulator	VR	vapor retarder
Voltage relay	VRLY	*
Volt-ammeter	VAM	
Voltmeter switch	VS	vent stack
Volume	VOL	
Volume damper	VFR	voltage drop
Volumeric flow rate		•
W		
Wainscot	WSCT	
Wall ash urn	WAU	
Wall board		
Wall cabinets	W CAB	
Wall cleanout	WCO	
Wall covering	WC	water closet; water column
Wall fabric	WFAB	
Wall hung	WH	wall hydrant; water heater; weep hole
man nung	*****	wan nyurani, water neater, weep note

Wall hydrant	WH	wall hung; water heater; weep hole
Wall to wall	W/W	<u> </u>
Warehouse	WHSE	
Warm white	WW	wastewater; wireway
Warm white deluxe	WWX	, ,
Warnock Hershey International		
Warranty	WARR	
Wash fountain	WF	wide flange
Waste	W	watt; west; wide
Waste disposer	WDSP	
Waste water	WW	warm white; wireway
Water	WTR	
Water brine	WTR B	
Water chiller	WCHR	
Water city	WTR C	
Water closet	WC	wall covering; water column
Water closet, wall hung	WC WL HNG	
Water column	WC	wall covering; water closet
Water cooled	WCLD	
Water cooler	WCLR	
Water cooler, wall hung	WCL WL MTD	
Water cooling tower		
Water elevation	WT EL	
Water gage	WG	
Water hammer arrestor	WHA	
Water heater	WH	wall hung; wall hydrant; weep hole
Water jacket	WJ	
Water line	WL	wind load
Water meter	WM	wire mesh
Water pressure drop	WPD	
Water pump	WP	waterproofing; weatherproof; working
		point weather resistant; wire rope
Water repellent	WR	watertight; weight
Water table	WT	
Waterproof membrane	WPM	
Waterproofing	WP	water pump; weatherproof; working point
Watertight	WT	water table; weight
Watt	W	waste; west; wide
Watthour meter	WHM	
Weather	WEA	
Weather resistant	WR	water repellent; wire rope
Weather seal	WSL	
	WP	water pump; waterproofing; working point
Weatherproof		
Weatherproof Weatherstrip	WS	
Weatherproof	WS WH	wall hung; wall hydrant; water heater
Weatherproof Weatherstrip		wall hung; wall hydrant; water heater water table; watertight
Weatherproof Weatherstrip Weep hole	WH	, , , , , , , , , , , , , , , , , , ,

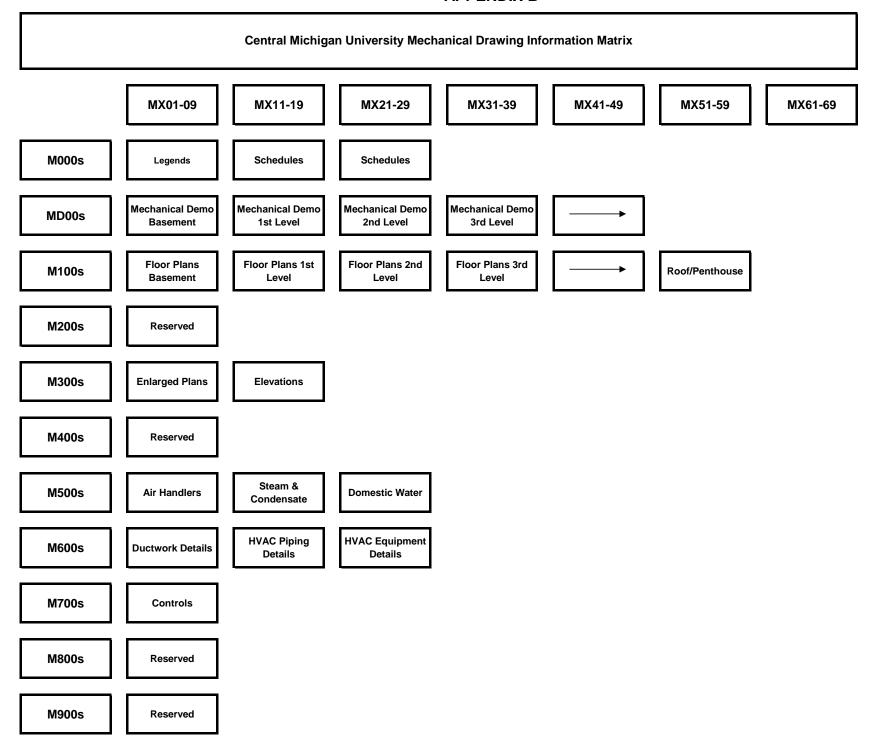
Welded wire mesh	WWM	
West	W	waste; watt; wide
Wet bulb	WB	wood base
Wet bulb temperature	WBT	
Where occurs	WO	work order
Wide	W	waste; watt; west
Wide flange	WF	wash fountain
Wind load	WL	water line
Window	WDW	
Window and Door Manufacturers Association	WDMA	
Window unit	WU	
Wire glass		
Wire mesh	WM	water meter
Wire rope	WR	water repellent; weather resistant
Wired glass	WGL	• '
Wireway	WW	warm white; waste water
With	W/	,
Without	W/O	
Wood	WD	wood door
Wood base	WB	wet bulb
Wood blocking	WBL	
Wood door	WD	wood
Wood door and frame	WDF	
Wood frame	WFR	
Wood furring strips	WFS	
Wood louvers	WD LOUV	
Wood paneling	WDP	
Work order	wo	where occurs
Working point	WP	water pump; waterproofing; weatherproof
Working pressure	WPR	
Working steam pressure	WSP	
Wrought brass	WBS	
Wrought iron	WI	
Y		
Yard	YD	yard drain; yard drainage pipe
Yard cleanout	YCO	
Yard drain	YD	yard; yard drainage pipe
Yard drainage pipe	YD	yard; yard drain
Yard hydrant	YH	
Yard inlet	YI	
Year	YR	



Central Michigan University Architectural Drawing Information Matrix AX01-09 AX11-19 AX21-29 AX31-39 AX41-49 AX51-59 AX61-69 Code compliance Composite Plans **Room Finish** Door Info (Sched Wall / Partition Abbv. Conventions A000s Typical Mtg Hts information (if needed) information Details) information **Architectural Site** AS00s Plan Architectural Architectural Architectural **Architectural** AD00s Demo 3rd Level Demo 2nd Level **Demo Basement** Demo 1st Level Floor Plans 1st Floor Plans 2nd Floor Plans 3rd Floor Plans A100s **Roof Plan** Basement Level Level Level **Useful Building** Exterior A200s Elevations Sections Third Floor Fourth Floor First Floor Second Floor Interior General Interior Plan A300s Interior Interior Interior Interior Interior sections Information **Details Elevations** Elevations Elevations Elevations Toilet Rooms - All **Enlarged Stairs** A400s floors and elevators **Exterior General Exterior Wall Exterior Section Exterior Plan** A500s Information Sections Details Details **Ceiling Plans** Ceiling Plans 1st Ceiling Plans 2nd Ceiling Plans 3rd A600s **Ceiling Details** Basement Level Level Level FF&E Plan FF&E Plan FF&E Plan FF&E Plan A700s Basement 1st Level 2nd Level 3rdLevel A800s Reserved A900s Reserved

	Central Michigan University Structural Drawing Information Matrix						
	SX01-09	SX11-19	SX21-29	SX31-39	SX41-49	SX51-59	SX61-69
S000s	General Notes	General Notes					
S100s	Floor Plans Basement	Floor Plans 1st Level	Floor Plans 2nd Level	Floor Plans 3rd Level		Roof Plan	
S200s	Details	Details					
S300s	Framing Details	Framing Details	Framing Details	Framing Details		Framing Details	
\$500s	Reserved						
S600s	Reserved						
\$700s	Reserved						
\$800s	Reserved						
\$900s	Reserved						

Central Michigan University Electrical Drawing Information Matrix EX01-09 EX11-19 EX21-29 EX31-39 EX41-49 EX51-59 EX61-69 Code compliance **Composite Plans** Abbv. Conventions E000s Typical Mtg Hts information (if needed) **Electrical Site** ES00s Plan **Electrical Demo Electrical Demo Electrical Demo Electrical Demo** ED00s Basement 1st Level 2nd Level 3rd Level Lighting Plans Lighting Plans 1st **Lighting Plans Lighting Plans** E100s 2nd Level 3rd Level Basement Level Power & Signal Power & Signal Power & Signal Power & Signal E200s **Plans Basement** Plans 1st Level Plans 2nd Level Plans 3rd Level E300s Reserved E400s **Enlarged Plans Enlarged Plans** Fire Alarm 1-Line **Electrical 1-Line** E500s Riser Diagram **Lighting Fixture** Lighting Fixture E600s Schedule Schedule E700s Reserved E800s Reserved E900s Reserved



	Central Michigan University Plumbing Drawing Information Matrix						
	PX01-09	PX11-19	PX21-29	PX31-39	PX41-49	PX51-59	PX61-69
P000s	Abbv. Conventions Typical Mtg Hts	Legend	Notes	Schedules			
PS00s	Plumbing Site Plan						
PD00s	Plumbing Demo Basement	Plumbing Demo 1st Level	Plumbing Demo 2nd Level	Plumbing Demo 3rd Level			
P100s	Floor Plans Basement	Floor Plans 1st Level	Floor Plans 2nd Level	Floor Plans 3rd Level			
P200s	Reserved						
P300s	Reserved						
P400s	Reserved						
P500s	Piping Diagrams						
P600s	Reserved						
P700s	Reserved						
P800s	Reserved						
P900s	Reserved						