

&	AND	CONT	CONTINUE, CONTINUOUS
∠	ANGLE	CORP	CORPORATION
⊗	AT	CPLG	COUPLING
°	DEGREE	CTR	CENTER
°C	DEGREE CELSIUS	CTRL	CONTROL
°F	DEGREE FAHRENHEIT	CU	CUBIC, COPPER
∅	DIAMETER	D	DEPTH
±	PLUS/MINUS	DBL	DOUBLE
AASHTO	AMERICAN ASSOCIATION of STATE HIGHWAY and TRANSPORTATION OFFICIALS	DC	DOUBLE CHECK VALVE, DIRECT CURRENT
ABPA	AMERICAN BACKFLOW PREVENTION ASSOCIATION	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
AC	ASBESTOS-CEMENT PIPE, ALTERNATING CURRENT	DET	DETAIL
ACS	ACCESS	DFT	DRY FILM THICKNESS
ADDL	ADDITIONAL	DI	DUCTILE IRON
ADH	ADHESIVE	DIM	DIMENSION
ADJ	ADJUSTABLE	DIST	DISTANCE, DISTRIBUTED, DISTRICT
AFBMA	ANTI-FRICTION BEARING MANUFACTURERS ASSOCIATION	DR	DRAIN, DOOR, DRIVE, DRAWER
AG	AIR-GAP	DW	DENVER WATER, DOMESTIC WATER
AHJ	AUTHORITY HAVING JURISDICTION	DWG	DRAWING
AHR	ANCHOR	DWL	DOWEL
ALUM	ALUMINUM	E	EAST, ELECTRIC
AMR	AUTOMATIC METER READING (SYSTEM)	EA	EACH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	EL	ELEVATION
APPD	APPROVED	ELB	ELBOW
ASC	AUTOMATIC SPRINKLER CONNECTION	ELEC	ELECTRIC, ELECTRICAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	EMERG	EMERGENCY
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERING	EQ	EQUAL
ASSY	ASSEMBLY	ERT	ENCODER-RECEIVER-TRANSMITTER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	ESMT	EASEMENT
AV	AIR VALVE	ETC	ET CETERA
AVE	AVENUE	EW	EACH WAY
AWG	AMERICAN WIRE GAUGE	EXIST	EXISTING
AWS	AMERICAN WELDING SOCIETY	EXP	EXPOSED, EXPANSION
AWWA	AMERICAN WATER WORKS ASSOCIATION	EXP JT	EXPANSION JOINT
BF	BLIND FLANGE	EXT	EXTERIOR, EXTEND, EXTENSION
BFP	BACKFLOW PREVENTION	FD	FLOOR DRAIN
BFV	BUTTERFLY VALVE	FDTN	FOUNDATION
BLDG	BUILDING	FH	FIRE HYDRANT
BLVD	BOULEVARD	FIN	FINISH
BM	BEAM	FIPT	FEMALE IRON PIPE THREAD
BO	BLOWOFF	Ǝ	FLOW LINE
BOT	BOTTOM	FLEX	FLEXIBLE
BP	BACKPRESSURE	FLG	FLANGE
BRG	BEARING	FLR	FLOOR
BS	BACKSIPHONAGE	FMCT	FIRELINE METER AND COMPOUND TORRENT
BSP-40	BLACK STEEL PIPE, SCHEDULE 40	FPT	FEMALE PIPE THREAD
BSP-80	BLACK STEEL PIPE, SCHEDULE 80	FT	FOOT, FEET
BSTC	BOLTED SLEEVE TYPE COUPLING	Fy	YIELD STRENGTH
BTWN	BETWEEN	G	NATURAL GAS
BV	BALL VALVE	GA	GAGE, GAUGE
C	CHANNEL	GALV	GALVANIZED
Ⓢ	CENTERLINE	GND	GROUND (ELECTRICAL)
C&G	CURB AND GUTTER	GV	GATE VALVE
CAD	COMPUTER AIDED DRAFTING	GVL	GRAVEL
CB	CATCH BASIN	HDPE	HIGH DENSITY POLYETHYLENE
CBI	CONTAINED BY ISOLATION	HEX	HEXAGONAL
CF	CUBIC FEET	HGL	HYDRAULIC GRADE LINE
CHFR	CHAMFER	HMWPE	HIGH MOLECULAR WEIGHT POLYETHYLENE
CHKV	CHECK VALVE	HORIZ	HORIZONTAL
CI	CAST IRON	HS	HIGH STRENGTH
CJ	CONSTRUCTION JOINT	HSS	HOLLOW STRUCTURAL SECTION
CLR	CLEAR, CLEARANCE	HT	HEIGHT
CLSM	CONTROLLED LOW STRENGTH MATERIAL	HVY	HEAVY
CNR	CORNER	HYD	HYDRANT, HYDRAULIC
CO	CLEANOUT, CARBON MONOXIDE	HZ	HERTZ
CONC	CONCRETE	IBC	INTERNATIONAL BUILDING CODE
COND	CONDUIT	ID	INSIDE DIAMETER
CONN	CONNECT	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
		IN	INCH, INCHES



STANDARD DRAWING ABBREVIATIONS

Scale: <u> NONE </u>	Date: <u> May 2018 </u>
Drawn: <u> RLB </u>	Ck: <u> K ROSS </u>
Approved: <u> Stephen C. P... </u>	Dr. <u> 127 </u> No. <u> 35 </u>

INSTL	INSTALL, INSTALLATION	PVB	PRESSURE VACUUM BREAKER
INSUL	INSULATE, INSULATION	PVC	POLYVINYL CHLORIDE
INT	INTERIOR	PVMT	PAVEMENT
INV	INVERT	R	RADIUS
IP	IRON PIPE	RD	ROAD
IRR	IRRIGATION	RDCR	REDUCER
ISA	INSTRUMENT SOCIETY OF AMERICA	REINF	REINFORCED, REINFORCING, REINFORCE
JT	JOINT	REQD	REQUIRED
KB	KICKBLOCK	RES	RESISTOR
KSI	KIPS PER SQUARE INCH	RH	RIGHT HAND
kVA	KILOVOLT AMPERES	RND	ROUND
L	LENGTH	ROW	RIGHT-OF-WAY
LAB	LABORATORY	RPDA	REDUCED PRESSURE DETECTOR ASSEMBLY
LOC	LOCATION, LOCATE	RP	REDUCED PRESSURE PRINCIPLE
LONG	LONGITUDINAL	S	SOUTH
LP	LIGHT PANEL	SAE	SOCIETY OF AUTOMOTIVE ENGINEERS
mA	MILLIAMPER	SAN	SANITARY SEWER
MATL	MATERIAL, MATERIALS	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
MAX	MAXIMUM	SCHED	SCHEDULE
MECH	MECHANICAL	SD	STORM DRAIN, SUPPLY DUCT
MEE	MACHINED EACH END	SEC	SECONDARY, SECONDS
MFD	MANUFACTURED	SECT	SECTION
MFR	MANUFACTURER	SHT	SHEET
MH	MANHOLE	SLV	SLEEVE
MIN	MINIMUM, MINUTE	SPA	SPACE, SPACING
MIP	MALE IRON PIPE	SPEC	SPECIFICATIONS, SPECIFIED
MJ	MECHANICAL JOINT	SPRT	SUPPORT
MOA	MACHINED OVER ALL	SQ	SQUARE
MS	MILD STEEL	SST	STAINLESS STEEL
MSS	MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY	ST	STREET
		STA	STATION
MTD	MOUNTED	STD	STANDARD
MTG	MOUNTING	STL	STEEL
MTL	METAL	STRM	STORM SEWER
N	NORTH	STRUCT	STRUCTURE, STRUCTURAL
N/A	NOT APPLICABLE	SWV	STOP AND WASTE VALVE
NC	NORMALLY CLOSED	SYMM	SYMMETRICAL
NEC	NATIONAL ELECTRICAL CODE	TEMP	TEMPERATURE, TEMPORARY
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION	THD	THREAD, THREADED
		THK	THICKNESS
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	TOP	TOP OF PIPE
NO	NUMBER, NORMALLY OPEN	TYP	TYPICAL
NPT	NATIONAL PIPE THREAD	UBC	UNIFORM BUILDING CODE
NSF	NATIONAL SANITATION FOUNDATION	UMC	UNIFORM MECHANICAL CODE
OC	ON CENTER	UPC	UNIFORM PLUMBING CODE
OD	OUTSIDE DIAMETER	USC	UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH
OPNG	OPENING		
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	V	VOLT
PC	POINT OF CURVATURE	VB	VALVE BOX
PE	PLAIN END, POLYETHYLENE PIPE	VERT	VERTICAL
PI	POINT OF INTERSECTION	W	WEST, WATER
PL	PROPERTY LINE	W/	WITH
PL	PLATE (STEEL), PLACE	W/O	WITHOUT
PLYWD	PLYWOOD	WOG	WATER-OIL-GAS
PRESS	PRESSURE	WRA	WATER REDUCING AGENT
PRV	PRESSURE REGULATING VALVE	WSC	WATER SERVICE CONTRACTOR
PSF	POUNDS PER SQUARE FOOT	WSP	WORKING STEAM PRESSURE
PSI	POUNDS PER SQUARE INCH	WTR	WATER
PT	POINT OF TANGENCY, POST TENSIONED	WWF	WELDED WIRE FABRIC
PUD/PBG	PLANNED UNIT DEVELOPMENT/PLANNED BUILDING GROUP	XFMR	TRANSFORMER
		YD	YARD



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