

&	AND	EQ	EQUAL
∠	ANGLE	ERT	ENCODER-RECEIVER-TRANSMITTER
⊙	AT	ESMT	EASEMENT
°C	DEGREE CELSIUS	ETC	ET CETERA
°F	DEGREE FAHRENHEIT	EXIST	EXISTING
∅	DIAMETER	EXP	EXPOSED
±	PLUS/MINUS	EXP JT	EXPANSION JOINT
AASHTO	AMERICAN ASSOCIATION of STATE HIGHWAY and TRANSPORTATION OFFICIALS	EXT	EXTERIOR, EXTEND, EXTENSION
ABPA	AMERICAN BACKFLOW PREVENTION ASSOCIATION	FCCCHR	FOUNDATION FOR CROSSCONNECTION CONTROL AND HYDRAULIC RESEARCH
AC	ASBESTOS-CEMENT PIPE, ALTERNATING CURRENT	FD	FLOOR DRAIN
ACS	ACCESS	FH	FIRE HYDRANT
ADDL	ADDITIONAL	FIN	FINISH
ADJ	ADJUSTABLE	FL	FLOW LINE
AFBMA	ANTI-FRICTION BEARING MANUFACTURERS ASSOCIATION	FLEX	FLEXIBLE
AHR	ANCHOR	FLG	FLANGE
AG	AIR-GAP	FLR	FLOOR
ALUM	ALUMINUM	FMCT	FIRELINE METER AND COMPOUND TORRENT
AMR	AUTOMATIC METER READING (SYSTEM)	FPT	FEMALE PIPE THREAD
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FT	FOOT OR FEET
APPD	APPROVED	Fy	YIELD STRENGTH
ASC	AUTOMATIC SPRINKLER CONNECTION	G	NATURAL GAS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	GA	GAGE, GAUGE
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERING	GALV	GALVANIZED
ASSY	ASSEMBLY	GV	GATE VALVE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HDPE	HIGH DENSITY POLYETHYLENE
AV	AIR VALVE	HEX	HEXAGONAL
AVE	AVENUE	HGL	HYDRAULIC GRADE LINE
AWG	AMERICAN WIRE GAUGE	HMWPE	HIGH MOLECULAR WEIGHT POLYETHYLENE
AWS	AMERICAN WELDING SOCIETY	HORIZ	HORIZONTAL
AWWA	AMERICAN WATER WORKS ASSOCIATION	HS	HIGH STRENGTH
BFFA	BACKFLOW PREVENTION ASSEMBLY	HVY	HEAVY
BFV	BUTTERFLY VALVE	HYD	HYDRANT, HYDRAULIC
BLDG	BUILDING	Hz	HERTZ
BLVD	BOULEVARD	IBC	INTERNATIONAL BUILDING CODE
BO	BLOWOFF	ID	INSIDE DIAMETER
BOT	BOTTOM	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
BP	BACKPRESSURE	IN	INCH(ES)
BRG	BEARING	INSTL	INSTALL, INSTALLATION
BS	BACKSIPHONAGE	INSUL	INSULATE, INSULATION
BSP-40	BLACK STEEL PIPE, SCHEDULE 40	INT	INTERIOR
BSP-80	BLACK STEEL PIPE, SCHEDULE 80	INV	INVERT
BSTC	BOLTED SLEEVE TYPE COUPLING	IP	IRON PIPE
BTWN	BETWEEN	IRR	IRRIGATION
BV	BALL VALVE	ISA	INSTRUMENT SOCIETY OF AMERICA
CL	CENTERLINE	JT	JOINT
C&G	CURB AND GUTTER	KB	KICKBLOCK
CAD	COMPUTER AIDED DRAFTING	KSI	KIPS PER SQUARE INCH
CB	CATCH BASIN	kVA	KILOVOLT AMPERES
CBI	CONTAINED BY ISOLATION	LAB	LABORATORY
CHKV	CHECK VALVE	LOC	LOCATION, LOCATE
CI	CAST IRON	LP	LIGHT PANEL
CLR	CLEAR, CLEARANCE	MA	MILLIAMP
CLSM	CONTROLLED LOW STRENGTH MATERIAL	MATL	MATERIAL(S)
CNR	CORNER	MAX	MAXIMUM
CO	CLEANOUT, CARBON MONOXIDE	MECH	MECHANICAL
CONC	CONCRETE	MEE	MACHINED EACH END
COND	CONDUIT	MFD	MANUFACTURED
CONN	CONNECT	MFR	MANUFACTURER
CONT	CONTINUE, CONTINUOUS	MH	MANHOLE
CPLG	COUPLING	MIN	MINIMUM, MINUTE
CTR	CENTER	MIP	MALE IRON PIPE
CU	CUBIC, COPPER	MJ	MECHANICAL JOINT
DBL	DOUBLE	MOA	MACHINED OVER ALL
DC	DOUBLE CHECK VALVE, DIRECT CURRENT	MS	MILD STEEL
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	MSS	MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY
DET	DETAIL	MTD	MOUNTED
DFT	DRY FILM THICKNESS	MTG	MOUNTING
DI	DUCTILE IRON	MTL	METAL
DIM	DIMENSION	N	NORTH
DIST	DISTANCE, DISTRIBUTED, DISTRICT	N/A	NOT APPLICABLE
DR	DRAIN, DOOR, DRIVE, DRAWER	NC	NORMALLY CLOSED
DW	DENVER WATER, DOMESTIC WATER	NEC	NATIONAL ELECTRICAL CODE
DWG	DRAWING	NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
DWL	DOWEL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
E	EAST, ELECTRIC	NO	NUMBER, NORMALLY OPEN
EA	EACH	NPT	NATIONAL PIPE THREAD
EL	ELEVATION	NSF	NATIONAL SANITATION FOUNDATION
ELB	ELBOW	OC	ON CENTER
ELEC	ELECTRIC, ELECTRICAL		
EMERG	EMERGENCY		

### DENVER WATER

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## STANDARD DRAWING ABBREVIATIONS

Scale: <u>NONE</u>	Date: <u>October 2012</u>
Drawn: <u>C.A.M.</u>	Ck: <u>K ROSS</u>
Approved: <u>[Signature]</u>	Dr. <u>127</u> No. <u>35</u>