

ABBREVIATIONS

LEGEND

A	ASHTO	AMPERE, AIR COMPRESSED AIR
AB	ANCHOR BOLT	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ABT	ABOUT	
ABUT.	ABUTMENT	
ABV	ABOVE	
AC	ALTERNATING CURRENT, AIR CONDITIONING	
ACI	AMERICAN CONCRETE INSTITUTE	
ACM	ASBESTOS CONTAINING MATERIAL	
ACMU	ACOUSTICAL CONCRETE MASONRY UNITS	
ACST	ACOUSTIC, ACOUSTICAL	
A.C.T	ACOUSTIC CEILING TILE	
ACV	ALARM CHECK VALVE	
ACGR	AGGREGATE	
ADH	ADHESIVE	
ADJ	ADJACENT	
ADMIN	ADMINISTRATIVE	
AFF	ABOVE FINISH FLOOR	
AFF	AQUEOUS FILM FORMING FOAM	
AFMS	AIRFLOW MEASURING STATION	
AGGR	AIR HANDLING, AIR-HANDLING UNIT	
AH	AIR HANDLING, AIR-HANDLING UNIT	
AHR	ANCHOR	
AL	ALUMINUM	
ALC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	
ALC	ALUMINUM	
ALT	ALTERNATE	
AM	AMMETER	
AMP	AMPERE	
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	
APP	APPROXIMATE	
APPR	APPROVED	
APPROX	APPROXIMATE	
APS	ALARM PRESSURE SWITCH	
ARCH	ARCHITECTURAL	
AREMA	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION	
ASB	ASBESTOS	
ASH	ASPHALT	
ASSY	ASSEMBLY	
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	
ASYM	ASYMMETRICAL	
ATS	AUTOMATIC TRANSFER SWITCH	
AUTO.	AUTOMATIC	
AUX	AUXILIARY	
AV	AIR VENT, AUDIOVISUAL	
AVG	AVERAGE	
AWG	AMERICAN WIRE GAUGE	
AWC	AMERICAN WELDING SOCIETY	
AWWA	AMERICAN WATER WORKS ASSOCIATION	
B	BATTERY	
BAL	BALANCE	
B&B	BALL AND BURLAP	
B	BACK TO BACK	
B	BOLT CIRCLE, BOTTOM OF CURB	
BC	BUILDING	
BDL	BUNDLE	
BEJ	BRICK EXPANSION JOINT	
BET.	BETWEEN	
BG	BOTTOM FLANGE	
BG	BOTTOM GRILLE	
BITUM	BITUMINOUS	
BL	BUILDING LINE, BASE LINE	
BLDG	BUILDING	
BLK	BLOCK, BLOCKING	
BLW	BELOW	
BM	BEAM, BENCH MARK, SOIL STABILIZATION/BLANKETS & MATTING	
BOL	BEGINNING OF LINE	
B	BOTTOM	
B.O.W.	BOTTOM OF WALL	
BP	BASE PLATE, BACKFLOW PREVENTER, BEARING PLATE	
BR	BARE ROOT, BOTTOM REGISTER	
BRG	BRICK	
BRK	BRACKET	
BRKT	BASEMENT	
BSMT	BRITISH THERMAL UNIT	
BTU	BTU PER HOUR	
BTUH	BUILT-UP ROOF(ING), BURIED	
BUR	BOTH WAYS	
BW	COURSE, CONNECTOR	
C	DEGREES CELSIUS	
C	CENTER TO CENTER	
C	CURB AND GUTTER	
C	CUT AND REPLACE	
CAB.	CABINET	
CANTIL	CANTILEVER	
CAP	CAPACITY	
CAPV	CABLE TELEVISION	
CB	CATCH BASIN, CIRCUIT BREAKER	
CCTV	CLOSED CIRCUIT TELEVISION	
CE	CEILING DIFFUSER, ROOF CHECK DAM	
CE	CONSTRUCTION ENTRANCE	
CEM	CEMENT	
CENT.	CENTRIFUGAL	
CELL	CELLULAR FLOOR	
CFM	CUBIC FEET PER MINUTE	
CFM	CUBIC FEET PER SECOND	
CFS	CORNER GUARD, CHANGE OF GRADE, CEILING GRILLE	
CH	CABINET HEATER, CHORD	
CHAM	CHAMFER	
CHB	CHALKBOARD	
CHEM	CHEMICAL	
CHIS	CHISELED	
CHKR	CHECKER, CHECKERED	
C	CAST IRON	
CIP	CAST IN PLACE, CULVERT INLET PROTECTION	
CIRC	CIRCULAR, CIRCUMFERENCE	
CJ	CONSTRUCTION JOINT	
CKT	CIRCUIT	
CL	CENTER LINE	
CLF	CHAIN LINK FENCE	
CLG	CEILING	
CLJ	CONTROL JOINT	
CLO	CLOSET	
CLOS	CLOSURE	
CLPR	CALIPER	
CLR	CLEAR	
CLSD	CEILING LINEAR SLOT DIFFUSER	
CLSR	CEILING LINEAR SLOT RETURN	
CM	CENTIMETER	
CMP	CORRUGATED METAL PIPE	
CMPSN	COMPOSITION	
CND	CONCRETE MASONRY UNITS	
CNDCT	CONDUCTIVE	
CNDOS	CONDENSATE, CONDUITS	
C.O.G.	CLEANOUT, COUNTY	
COL	COLUMN	
COMB.	COMBINATION	
COMP	COMPRESSION, COMPRESSED	
CONC	CONCRETE	
COND	CONDUCTOR, CONDUCTIVE, CONDENSER	
CONN	CONNECT, CONNECTION	
CONSTR	CONSTRUCTION	
CONT	CONTINUOUS, CONTINUATION	
CONTR	CONTRACT, CONTRACTOR	
COORD	COORDINATE	
COP	COPPER	
CORR	CORRIDOR, CORRUGATED	
COV	COVER	
CP	CEMENT PLASTER, CONDENSATE PUMP	
CPT	CHLORINATED POLYVINYL CHLORIDE	
CPVC		

CR	CEILING REGISTER, HOT CONDENSER WATER
CT	CERAMIC TILE, CURRENT TRANSFORMER
CTR	CONTROL
CTRL	COUNTERSUNK
CTSK	CUBIC, COPPER
CTWT	CULVERT
CULV	CULVERT
CV	CONVERTER
CW	DOMESTIC COLD WATER
CWB	CAPILLARY WATER BARRIER
D	DEPTH, DEGREE OF CURVE, DIMMER
DB	DRY BULB, DIRECT BURIAL, DUCT, DEEP
DBL	DOUBLE
DC	DIRECT CURRENT
DEC	DECIDUOUS
DEFL	DEFLECT, DEFLECTION
DEG	DEGREE
DEM	DEMOUNTABLE
DEPR	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DI	DUCT HEATER, DOOR HOLDER
DIA	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGRAM, DIAGONAL
DIFF	DIMENSION
DIP	DUCTILE IRON PIPE
DIP	DIRECT, DIRECT
DISC	DISCONNECT
DISCH	DISCHARGE
DISP	DISPENSER
DISP	DIVISION
DK	DECK
DL	DEAD LOAD
DMH	DROP MANHOLE
DMR	DEMOLITION, DEMOLISH
DN	DOWN
DR	DOOR, DRIVE
DS	DOWNSPOUT, DRIP STATION, DIGESTED SLUDGE
DSD	DUCT SMOKE DETECTOR
DTHW	DUAL TEMP WALL HYDRANT
DUP	DUPPLICATE
DVTL	DOVETAIL
DW	DUMBWATER
DW	DRINKING WATER DISPENSER
DWL	DWELLING
DWL	DRAWING
DWL	DOWEL
DWV	DRAIN, WASTE, AND VENT
DX	DUPLEX, DIRECT EXPANSION
E	EAST, EMERGENCY (CIRCUIT)
E.A.T.	ENTERING AIR TEMPERATURE
ECMT	ENCASEMENT
EFL	EACH FACE
EFL	EFFLUENT LINE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELC	ELECTRIC
ELEV	ELEVATOR
EM	EXPANDED METAL
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE, ENCLOSURE
ENG	ENGINE
ENGR	ENGINEER
ENT	ENTERING
ENTR	ENTRANCE
END	END OF LINE
EP	EXPLOSION-PROOF, EDGE OF PAVEMENT
EQL	EQUAL
EQPT	EQUIPMENT
ER	EASEMENT
ESMT	EASEMENT
E	END TO END
EW	EVERGREEN
EWC	ELECTRIC WATER COOLER
E.W.T.	ENTERING WATER TEMPERATURE
EX	EXCAVATE, EXCAVATION
EXH	EXHAUST
EXP	EXPOSED
EXPAN	EXPANSION
EXT	EXISTING
EXTN	EXTENSION
F	DEGREES FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
F	FACE TO FACE
F	FIRE ALARM
FAB	FABRICATE
FABL	FIRE ALARM BELL
FACP	FIRE ALARM CONTROL PANEL
FAC	FOOTCANDLE, FAN COIL UNIT, FACE OF CURB
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FDR	FOUNDATION
FDR	FEEDER
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FL	FLARED END SECTION
FGL	FIBERGLASS
FHC	FIRE HOSE
FW	FIRE HOSE CABINET
FHYD	FIRE HYDRANT
FIG.	FIGURE
FIN.	FINISH
FL	FLOOR, FLASHING
FLX	FLEXIBLE
FLG	FLANGE
FLSH	FLASHING
FLUOR	FLUORESCENT
FMB	FACE OF BRICK, FRONT OF BUILDING
FBM	FACE OF BRICK, FRONT OF BUILDING
FR	FRAME, FROM
FRIC	FRICTION
FRT	FIRE RETARDANT TREATED
FRZR	FREEZER
FS	FAR SIDE, FULL SIZE, FLOW SWITCH
FT	FOOT
FTG	FOOTING
FUR	FURRING
FURN	FURNISH
FUT	FUTURE
FV	FABRIC WALL COVERING
FXTR	FIXTURE
G	GAS MAIN OR SERVICE LINE
G	GAGE, GAUGE
GALV	GALVANIZE, GALVANIZED
GALV	GALVANIZED IRON
GC	GROUND COUNTERPOISE
GCM	GUARD CONCRETE MASONRY UNIT
GDR	GUARDRAIL
GEN	GENERATOR
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFE	GOVERNMENT FURNISHED EQUIPMENT, CONTRACTOR INSTALLED
GFI	GROUND FAULT INTERRUPTER
GFI	GOVERNMENT FURNISHED MATERIAL
GIZ	GIGAHERTZ
GL	GLASS
GND	GROUND
GND	GOVERNMENT
GPH	GALLONS PER HOUR

GPM	GALLONS PER MINUTE
GRD	GRAD
GRD	GRADUATED
GRL	GRILLE
GRT	GROUT
GRT	GALVANIZED RIGID STEEL
GSU	GLAZED STRUCTURAL UNITS
GTV	GATE VALVE
GW	GRAVEL
GW	GYPSEUM WALLBOARD
GYP	GYPSEUM
H	HIGH
H	HOSE BIBB
HBD	HARDBOARD
HC	HANDICAPPED
HD	HEAD, HEAT DETECTOR
HDP	HIGH DENSITY POLYETHYLENE
HDR	HANDRAIL
HDW	HARDWARE
HDW	HARDWOOD
HDWL	HEADWALL
HGR	HANGER
HGT	HEIGHT
HLD	HIGH-INTENSITY DISCHARGE
HM	HOLLOW METAL
HMA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER, HEAT PUMP
HPF	HIGH POWER FACTOR
HPS	HIGH-PRESSURE SODIUM, HIGH PRESSURE
HPT	HIGH POINT
HR	HOUR
HRT	HORIZONTAL SLOT
HRT	HEATING
HTR	HEATER
HV	HIGH VOLTAGE, HEATING-VENTILATING UNIT
HWC	HOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
HWL	HIGH-WATER LINE
HZ	HERTZ
IC	INTERCOM
IC	INTERCUTTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN	INCH
INCAND	INCANDESCENT
INCL	INCLUSIVE
INCR	INCREMENT
INFL	INFLUENT
INFL	INSTALL, INSTALLATION
INSTR	INSULATION, INSULATED, INSULATOR
INSUL	INSULATING
INT	INTEGRATED, INTERIOR
INTMD	INTERMEDIATE
INV	INVERT, INVERSE
IP	IRON PIN, STORM DRAIN INLET PROTECTION
IPF	IRON PIN FOUND, IRON PIPE FOUND
IR	IRRIGATION
ISOL	ISOLATOR
J	JOULE
JB	JUNCTION BOX
JCL	JANITORY CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
K	KEY OPERATED, KIP
KCM	THOUSAND CIRCULAR MILS
KCP	KEENE'S CEMENT PLASTER
KG	KILOGRAM
KG/S	KILOGRAM PER SECOND
KHZ	KILOHERTZ
KN	KILOMETER
KO	KNOCKOUT
KPA	KILOPASCAL
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LA	LEFT, LENGTH OF CURVE, LONG
LAB	LABORATORY
LAM	LAMINATE
LAT	LATITUDE, LATERAL
LAV	LAVATORY
LB	POUND
LCC	LACING
LDO	LUGGING
LF	LINEAR FOOT, LINEAR FEET
LG	LENGTH, LONG
LI	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LVP	LEG VERTICAL
LOC	LOCATION
LONG.	LONGITUDINAL
LPS	LOW PRESSURE SODIUM
LPT	LOW POINT
LR	LONG RADIUS, LINEAR REGISTER
LS	LUMP SUM, LIMIT SWITCH
LT	LIGHTING
LTG	LOW VOLTAGE
LV	LOW VOLTAGE
LVR	LONG WAY, LIMIT OF WORK
LW	LONG WAY, LIMIT OF WORK
LWC	LIGHTWEIGHT CONCRETE
LWL	LOW-WATER LINE
L.W.T.	LEAVING WATER TEMPERATURE
M	METER
M	METER
MACH	MACHINE
MAG	MAGNETIC
MATL	MATERIAL
MATV	MASTER ANTENNA TELEVISION
MAY	1000 BTU PER HOUR
MBR	MEMBER
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MEMB	MEMBRANE
MEI	MANUFACTURER
M/G	MOTOR/GENERATOR
MGD	MILLION GALLONS PER DAY
MHZ	MEGAHERTZ
MID	MIDDLE
MIS	MISCELLANEOUS
MJ	MECHANICAL JOINT
MK	MARKER BOARD
MKB	MAIN LUGS ONLY
MLO	MILLIMETER
MM	MILLIMETER
MO	MASONRY OPENING
MON	MONUMENT
MP	MEDIUM PRESSURE
MP	MEGAPASCAL
MPH	MILES PER HOUR
MOP	MOP RECEPTOR
MSL	MEAN SEA LEVEL
MT	MOUNT
MTD	MOUNTING
MTG	MOUNTING
MTR	MOTOR

MTZ	MOTORIZED
MUL	MULCHING
MULLION	MULLION
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL
N	DEVICES
N	MEMBRANE WATERPROOFING
NORTH	NORTH
NA	NOT APPLICABLE
N.C.	NORMALLY CLOSED
N & D	NAIL AND DISC
N	NATIONAL ELECTRICAL CODE
NEUT	NEUTRAL
NIPFA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NOS, NOS	NUMBER, NUMBERS
NOM	NOMINAL
NPRN	NEOPRENE
NPW	NONPOTABLE WATER
NRS	NONRISING STEM
NS	NEAR SIDE
NST	NONSLIP TREAD
NST	NOT TO SCALE
O TO O	OUT TO OUT
OA	OVERALL, OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OFCI	OWNER-FURNISHED CONTRACTOR-INSTALLED
OH	OVERHEAD, OPPOSITE HAND
OP	OUTLET PROTECTION
OPNG	OPENING
OPP	OPPOSITE
OS&Y	OVERLAP SCREW AND YOKE
OVID	OVERHEAD
OZ	OUNCE
P	POLE, POWER, PUMP
PA	PIE ANCHOR
P	PASCAL
PB	PUSH BUTTON, PANELBOARD
P	POINT OF CURVE, PIECE
PCC	POINT OF COMPOUND CURVE, PRECAST CONCRETE
PCP	PRECAST CONCRETE PANEL
PCSP	PRECAST CONCRETE SANDWICH PANEL
PD	PRESSURE DROP
PED	PEDESTAL
PEJ	PREWOLDED EXPANSION JOINT
PF	POROUS FILL
P.F.	POWER FACTOR
PFA	PERFLUOROALKOXY
PG	PIPE GUIDE, PAGE
PH	PHASE, PENTHOUSE
PI	POINT OF INTERSECTION
PV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PL	PLASTIC LAMINATE
PLAS	PLASTER
PLATF	PLATFORM
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNLBD	PANELBOARD
PNT	PAINT, PAINTED
POB	POINT OF BEGINNING
POL	POLISH, POINT ON LINE
PPH	POUNDS PER HOUR
PR	PAIR
PRC	POINT OF REVERSE CURVE
PREFIN	PREFINISHED
PRESS.	PRESSURE
PRI	PRIMARY
PRM	PARALLEL
PRO-P	PROPOSED
PROV	PROVIDED
P.R.S.	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE, POWER ROOF VENTILATOR
PS	PRESSURE SWITCH, PERMANENT SEEDING, POINT OF SWITCH
PSC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
PT	POINT OF TANGENT, POTENTIAL TRANSFORMER
PTN	PARTITION
PVC	POINT OF VERTICAL CURVE, POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT, PRIVATE
PWR	POWER
QT	QUARRY TILE
ø	ROUND (DIAMETER), PHASE
R	RIGHT, RIGHT, RADIUS
R/W	RIGHT OF WAY
RAD	RADIUS
RAF	RAISED ACCESS FLOOR
RAS	RETURN ACTIVATED SLUDGE
RBR	RUBBER
RCP	REINFORCED CONCRETE PIPE
RCPT	RECEPTACLE
RCVG	RECEIVING
RCVR	RECEIVER
RDR	ROOF DRAIN, ROAD
RDCR	REDUCER
REC	RECESS
REC	RECIRCULATING
RECT	RECTANGLE, RECTANGULAR
RED.	REDUCING
REF	REFERENCE
REFL	REFLECTED
REFR	REFRIGERATOR
REIN	REINFORCE, REINFORCEMENT, REINFORCED
REINFR	REINFRIGERATOR
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION
RF	ROOF, RADIO FREQUENCY
RFG	ROOFING
RFH	ROOF HATCH
RFL	RADIO FREQUENCY INTERFERENCE
RL	ROOF LEADER, REFRIGERANT LIQUID
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RR	RIPRAP, RAILROAD
RTE	ROUTE
S	SOUTH, SANITARY, SEWER, SPEAKER, SWITCH, SUPPLY
SA	SUPPLY AIR
SAN	SANITARY
SCFM	STANDARD CUBIC FEET PER MINUTE
SCHED	SCHEDULE
SD	STORM DRAIN, SMOKE DETECTOR
SEC	SECONDARY
SECT	SECTION
SFP	SILT FENCE, SQUARE FEET
SFP	SPRAYED FIRE PROTECTION
SH	SHEET
SHV	SHELVING
SIM	SIMILAR
SK	SKETCH
SLP	SLOPE
SMR	SURFACE METAL RACEWAY
S/N	SOLID NEUTRAL
SLANT	SEALANT
SOG	SLAB ON GRADE
SP	SPACE, SPACES, STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SPEC	SPECIFICATION
SPKR	SPEAKER
SPMR	SINGLE-PLY MEMBRANE ROOF