ABBREVIATIONS

A

AB	ANCHOR BOLT
AC	ALTERNATING CURRENT
A/C	AIR CONDITIONING
ACI	AMERICAN CONCRETE INSTITUTE
ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED
ACST	ACOUSTIC
AD	ACCESS DOOR
A.D.	AREA DRAIN
ADMIN.	ADMINISTRATION/ADMINISTRATIVE
AFF	ABOVE FINISH FLOOR
AFFF	AQUEOUS FILM FORMING FOAM
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
A.I.	AREA INLET
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)
AISC	AMERICAN INSTITUTE of STEEL CONSTRUCTION
AL	ALUMINUM
A.L.	ACTIVE LEAF
ALT	ALTERNATE
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL
APPD	APPROVED
APPROX.	APPROXIMATE
ARCH	ARCHITECTURAL OR ARCHITECT
A.R.I.	AMERICAN REFRIGERATION INSTITUTE
ASB	ASBESTOS
ASPH	ASPHALT
ASSIST.	ASSISTANT
ATC	ACOUSTICAL TILE CEILING
AUTO	AUTOMATIC
AVG	AVERAGE
AWC	ACOUSTICAL WALL COVERING
AWG	AMERICAN WIRE GAUGE
∠	ANGLE

B

BATT INSUL	BATT INSULATION
BB	BULLETIN BOARD
BC	BOOKCASE
BD	BOARD
BDY	BOUNDARY
BEJ	BRICK EXPANSION JOINT
BIT	BITUMINOUS
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
B.M.	BENCH MARK
B.O.	BOTTOM OF
BOT	BOTTOM
BR	BULLET RESISTANT
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BT	BENT
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BUR	BUILT-UP ROOFING

C

C	CARPET (ARCH. SHTS.)
C or CND	CONDUIT (FOR RACEWAY-ELEC. SHTS)
CAP	CAPACITY
CC or C to C	CENTER TO CENTER
CB	CATCH BASIN (OR CIRCUIT BREAKER)
CE	COVER ELEVATION
CEM	CEMENT
CFM	CUBIC FEET PER MINUTE
CFT	CERAMIC FLOOR TILE
CHIM	CHIMNEY
C.I.	CURB INLET
CI	CAST IRON
CIR	CIRCULAR
CJ	CONTROL JOINT
CKD	CHECKED
CKT	CIRCUIT
CKT BKR or CB	CIRCUIT BREAKER
℄ or CL	CENTER LINE
CLG	CEILING
CLK	CLERK
CLKG	CAULKING
CLO	CLOSET
CLOS	CLOSED
CL WG	CLEAR WIRE GLASS
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNITS
CNTR	COUNTER
CO	CLEANOUT
CO_2	CARBON DIOXIDE
COL	COLUMN
COM	COMMON

C (cont.)

COMB	COMBINATION
COMB	COMBUSTION
COMP	COMPRESSIBLE
COMM	COMMUNICATIONS
CONC.	CONCRETE
CONF.	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONSTR JT.	CONSTRUCTION JOINT
CONT	CONTINUOUS
COR	CORNER
CORR	CORRIDOR
COV	COVERED
CPL	CEMENT PLASTER
C.P.S. ~	CYCLES PER SECOND (HERTZ)
CRES	CORROSIVE RESISTANT STEEL
CRG	CARRIAGE
CRSE	COURSE
CS	COUNTER SINK
CST	CAST STONE TILE
CSMT	CASEMENT
CT	CERAMIC TILE or CURRENT TRANSFORMER
CTL	CARPET TILE
CTR	CENTER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CU YD	CUBIC YARDS
CV	CEILING VENT
CW	COLD WATER
CWT	CERAMIC WALL TILE
CYL	CYLINDER

D

d	PENNY (as in nail - 10d)
D	DATUM
DA	DOUBLE ACTING
DB	DRY BULB
DBL	DOUBLE
DC	DIRECT CURRENT
D.C.J.	DOWELED CONTROL JOINT
DCJT	DUMMY CONTOL JOINT
DCL	DOOR CLOSER
DEG	DEGREE
DEPR	DEPRESSION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DH	DUCT HEATER
DIA or /o	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTOR
DISSEM	DISSEMANATION
DISC	DISCONNECT
DIST	DISTRIBUTION
D & M	DRESSED & MATCHED
DN	DOWN
DP	DAMPPROOFING
DR	DOOR
DRN	DRAIN
DS	DOWN SPOUT
DWG	DRAWING
DWLS	DOWELS
DX	DIRECT EXPANSION

E

E	EAST
EA.	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EES	EMERGENCY EYEWASH & SHOWER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL or ELEV	ELEVATION - GRADE OR BUILDING
ELEC.	ELECTRIC or ELECTRICAL
ELEV	ELEVATOR
EMD	ESTIMATED MAXIMUM DEMAND
ENCL	ENCLOSURE
ENT	ENTRANCE
E.P.	EXPLOSION PROOF
EQ.	EQUAL
EQUIP.	EQUIPMENT
ES	EACH SIDE
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXC	EXCAVATE
EXD	EXIT DEVICE
EXH	EXHAUST
EXIST.	EXISTING
EXP	EXPOSED
EXPL	EXPLOSION
EXPN	EXPANSION
EXT	EXTERIOR

F

F	FAHRENHEIT
FA	FRESH AIR
FC	FOOT CANDLE
FCG	FACING
FCJ	FLOOR CONSTRUCTION JOINT
FD	FLOOR DRAIN
F.D.	FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
F.E.S	FLARED END SECTION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIG.	FIGURE
FIN.	FINISH
FIX.	FIXTURE
FL or FLR	FLOOR
FLASH	FLASHING
FLEX	FLEXIBLE
FLG	FLOORING
FLUOR	FLUORESCENT
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FPRF	FIRE PROOF
FR	FRAME
FRG	FURRING
F.S.	FULL SIZE
FT.	FEET
FTG.	FOOTING
FW	FIRE WATER
FWC	FABRIC WALL COVERING

G

G	GAS
G	GUTTER
GA	GAGE or GAUGE
GAL	GALLON
GALV	GALVANIZED
G.C.O.	GROUND CLEANOUT
GEN	GENERAL
GFE/CI	GOVERNMENT FURNISHED EQUIPMENT CONTRACTOR INSTALLED
GFE/GI	GOVERNMENT FURNISHED EQUIPMENT GOVERNMENT INSTALLED
GFE	GOVERNMENT FURNISHED EQUIPMENT
G.F.I. or GFI	GROUND FAULT INTERRUPTOR
GI	GALVANIZED IRON
GL	GLASS
GND or GRND	GROUND
GOVT.	GOVERNMENT
GPM	GALLONS PER MINUTE
GR	GRADE
GRS	GALVANIZED RIGID STEEL CONDUIT
GRTG	GRATING
GSU	GRAZED STRUCTURAL UNITS
GWB	GYPSUM WALLBOARD
GWT	GLAZED WALL TILE
GYP	GYPSUM

H

HB	HOSE BIBB
HBD	HARDBOARD
HC	HANDICAPPED
HCD	HALON CONTAINMENT DAMPER
HD	HEAD
HDR	HEADER
HDRL	HANDRAIL
HDW	HARDWARE
HM	HOLLOW METAL
HP	HORSE POWER
HIP	HIGH PRESSURE
H.PT.	HIGH POINT
HR	HOUR
H.S.	HIGH STRENGTH
HSGYP	HIGH - STRENGTH GYPSUM PLASTER
HT	HEIGHT
HTG	HEATING
HTR	HEATER
H.W.	HEADWALL
HW	HOT WATER
HWH	HOT WATER HEATER
HYD	HYDRAULIC
Hz	HERTZ

I

I or EF	IRON
IC	INTERCOM
I.D.	INSIDE DIAMETER
I.E.	INVERT ELEVATION
IES	ILLUMINATING ENGINEERING SOCIETY
IN	INCH
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT or INVERTER
I.P.	IRON PIPE

J

JB or J-BOX	JUNCTION BOX
JC	JANITOR CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT

K

K	KEY
kcmil or KCM	KILO CIRCULAR MIL
KCP	KEENE'S CEMENT PLASTER
KIP	KILOPOUND (1000 LBS)
KIT	KITCHEN
KL	KEY LOCK
KP	KICK PLATE
kV	KILOVOLTS
kVA	KILOVOLT AMPERES
kvar	KILOVOLT AMPERES REACTIVE
kW	KILOWATT

L

L	LUMEN
LAB	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LAU	LAUNDRY
LAV	LAVATORY
LBR	LUMBER
LBS	POUNDS
LD	LOAD
LDG	LOADING
LG	LENGTH
LIN	LINEAR
LIS	LAWN IRRIGATION SYSTEM
LNTL	LINTEL
LONG	LONGITUDINAL
LP	LOW POINT
LPS	LIGHT PROOF SHADE
LR	LIVING ROOM
L.R.	LONG RADIUS
LT	LIGHT
LTG	LIGHTING
LT. WT.	LIGHT WEIGHT
LWT	LEAVING WATER TEMPERATURE

M

M	THOUSAND
MACH	MACHINE
MAINT.	MAINTENANCE
MAS	MASONRY
MAT or MATL	MATERIAL
MAX	MAXIMUM
M & B	MATCHED & BEADED
MC	MEDICINE CABINET
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MET.	METAL
MFG	MANUFACTURING
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MGT	MATTE - GLAZED TILE
MGMT	MANAGEMENT
M.H.	MANHOLE
MIN	MINIMUM
ML	METAL LATH
MLDG	MOULDING
MO	MASONRY OPENING
MONO	MONOLITHIC
MOT	MOTOR
MSTC	MASTIC
MT	METAL THRESHOLD
MTD	MOUNTED

N

N	NORTH
N.C.	NORMALLY CLOSED
NCO	NON COMMISSIONED OFFICER
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NU OR NO.	NUMBER
N.O.	NORMALLY OPEN
N.R.	NOT REQUIRED

O

OA	OUTSIDE AIR
OBGL	OBSCURE GLASS
OBSC	OBSURE
OB WG	OBSCURE WIRE GLASS
OC	ON CENTERS
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OFF.	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPS	OPERATIONS
O.R.	OBSERVATION RISER
OS & Y	OUTSIDE SCREW & YOKE

P

P	POLE
PA	PUBLIC ADDRESS
PART	PARTICLE
PBS	PUSH BUTTON STATION
P.C.C.	PORTLAND CEMENT CONCRETE
P.C.	PIONT OF CURVATURE
PC	PIECE
PERF	PERFORATED
P.E.	POLYETHYLENE
PH or /o	PHASE
PHAR	PHARMACY
P.I.	POINT OF INTERSECTION
P.I.V.	POST INDICATING VALVE
PL or ℙ	PLATE
PLAS	PLASTER
PLAS. LAM.	PLASTIC LAMINATE
PLATF	PLATFORM
PLBG	PLUMBING
PLG	PILING
PLY. WD.	PLYWOOD
PNL	PANEL
POL	POLISH
PORC	PORCELAIN
P.P.M.	PARTS PER MILLION
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PROC	PROCESSING
PROJ	PROJECT
PRV	PRESSURE REGULATING VALVE
P.S.	PRESSED STEEL
PSF	POUNDS/SQUARE FOOT
PSI	POUNDS/SQUARE INCH
P.T.	POINT OF TANGENCY
PT	POINT or POTENTIAL (VOLTAGE) TRANSFORMER
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL-CHLORIDE
PVMT	PAVEMENT
PW	PASS WINDOW

Q

QT	QUART
Q.T.	QUARRY TILE
QTRS	QUARTERS
1/4 RD	QUARTER ROUND

R

R or RSR	RISER
RA	RETURN AIR
RAD or R	RADIUS
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RB	RESILIENT BASE
RC	REMOTE CONTROL
R.C.P.	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROUND
R.D.	ROOF DRAIN
RDGE	RIDGE
RECP	RECEPTACLE
RECR	RECREATION
RECT.	RECTIFIER
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCEMENT
REM	REMOVABLE
REPRO	REPRODUCTION
REQD	REQUIRED
RESIL.	RESILIENT
REV	REVISIONS
RFG	ROOFING
RFS	RAISED FLOOR SYSTEM
RGE	RANGE
RGH	ROUGH
RH	RELATIVE HUMIDITY
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RPRT	RAISED PATTERN RUBBER TILE
RUB	RUBBER

S

S	SOUTH
SA	SUPPLY AIR
SB	SPLASH BLOCK
S.B.	SECURITY BARS
SCH	SCHEDULE
SCIF	SENSITIVE COMPARTMENTED INFORMATION FACILITY
SCR	SCREW
SCT	STRUCTURAL CLAY TILE
SCUT	SCUTTLE
S.D.	SUBDRAIN
SDI	STEEL DECK INSTITUTE
SJI	STEEL JOIST INSTITUTE
SECT	SECTION
SECY	SECRETARY
SEQ	SEQUENCE
S.F.	SQUARE FOOTAGE
SFU	STRUCTURAL FACING UNIT
SHLD.	SHOULDER
SHT.	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE
SPEC	SPECIFICATIONS
SPF	SOUNDPROOF
SPH	SPACE HEATER
SPKR	SPEAKER
SPL	SPECIAL
SQ or □	SQUARE
SQUAD	SQUADRON
SSMR	STANDING SEAM METAL ROOFING
S. STL.	STAINLESS STEEL
STA	STATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STGR	STRINGER
STL	STEEL
STN	STONE
STOR	STORAGE
STR	STRUCTURAL
STWY	STAIRWAY
SUB FL	SUB FLOOR
SUSP	SUSPENDED
SVF	SHEET VINYL FLOORING
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL

T

T	TREAD
TAN.	TANGENT
TBD	TACK BOARD
TC	TOP OF CURB
TCA	TILE COUNCIL OF AMERICA
T.E.	TOP ELEVATION
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZZO
TERM	TERMINAL
TGL	TOGGLE
TH	THRESHOLD
THK	THICK
T.O.	TOP OF
TOIL	TOILET
TOPO	TOPOGRAPHY
TRANS	TRANSVERSE
T'STAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL

U

UC	UNIT COOLER
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UPS	UNINTERRUPTIBLE POWER SYSTEM
UR	URINAL
UT	UTILITY
UV	UNIT VENTILATOR

V

V	VOLT
VCP	VITRIFIED CLAY PIPE
V.C.T.	VINYL COMPOSTION TILE
VD	VAULT DOOR
VENT	VENTILATION
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VOL	VOLUME
V.P.C.	VERTICAL POINT OF CURVATURE
V.P.I.	VERTICAL POINT OF INTERSECTION
V.P.T.	VERTICAL POINT OF TANGENCY
V.R.	VAPOR RETARDER
VS	VENT STACK
VT	VINYL-TILE OR VOLTAGE TRANSFORMER
VTR	VENT THRU ROOF
VWC	VINYL-WALL COVERING

W

W	WEST
W	WIRE
W/	WITH
WB	WET BULB
WC	WATER CLOSET
WD	WOOD
W.D.	WASTE DRAIN
WD. BLK.	WOOD BLOCKING
WD. DR.	WOOD DOOR
WDW	WINDOW
WF	WIDE FLANGE
WG	WIRE GLASS
WH	WALL HYDRANT
WHM	WATTHOUR METER
WHT	WHITE
W.I.	WROUGHT IRON
WKSH	WORK SHOP
WNSCT	WAINSCOT
W/O	WITHOUT
WP	WEATHER PROOF
WPF	WATER PROOF
WPFG	WATER PROOFING
WRB	WARDROBE
WS	WASTE STACK
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WOVEN WIRE MESH

X

XFMR	TRANSFORMER

Y

YD	YARD
Y.D.	YARD DRAIN

$$ - THINK VALUE ENGINEERING - $$

REVISIONS

SYMBOL	DESCRIPTIONS	DATE	APPROVED

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US ARMY ENGINEER DISTRICT
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OMAHA, NE

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DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF, CADD SECTION

AIR FORCE STANDARDS
PRESSURIZED HYDRANT FUELING SYSTEM
TYPE III

ABBREVIATIONS

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