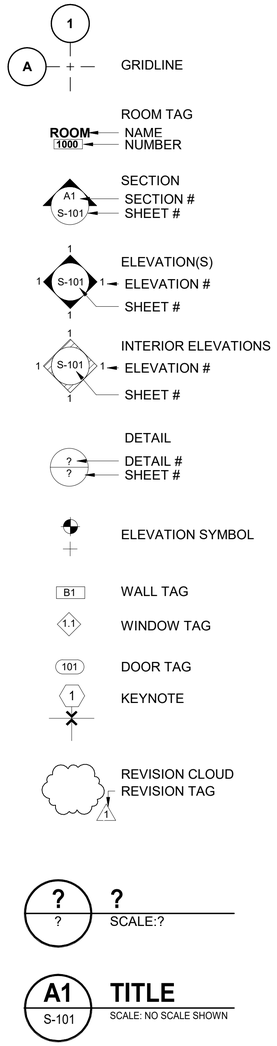
STRUCTURAL ABBREVIATIONS

#	NUMBER OR POUND(S)
%	PERCENT
&	AND
@	AT
AA	ALUMINUM ASSOCIATION
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
AHR	ANCHOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	ASTM INTERNATIONAL
AWS	AMERICAN WELDING SOCIETY
B/B	BACK TO BACK
BC	BOLT CIRCLE
BFF	BELOW FINISH FLOOR
BLDG	BUILDING
BLW	BELOW
BM	BEAM
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN
C	CHANNEL SHAPE
C TO C	CENTER TO CENTER
CAP	CAPACITY
CFS	COLD-FORMED STEEL
CHFR	CHAMFER
CIP	CAST-IN-PLACE
CIR	CIRCLE
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLJ	CONTROL JOINT
CLL	COLUMN LINE
CLR	CLEAR
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
CNR	CORNER
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
CPRS	COMPRESSIBLE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CTJ	CONTRACTION JOINT
CTR	CENTER(ED)
CY	CUBIC YARD(S)
D	DEEP (DEPTH)
DBL	DOUBLE
DEG	DEGREE(S)
DEMO	DEMOLISH (DEMOLITION)
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTION
DIV	DIVISION
DK	DECK
DL	DEAD LOAD
DWG	DRAWING
DWL	DOWEL
E	EAST
EA	EACH
ED	EDGE DETAIL
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
EL	EARTHQUAKE LOAD
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ETC	AND SO FORTH
EW	EACH WAY
EXP	EXPANSION
EXST	EXISTING
EXT	EXTERIOR OR EXTERNAL
EXTN	EXTENSION
FAB	FABRICATE
FD	FLOOR DRAIN
FDTN	FOUNDATION
FF	FAR FACE
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FR	FRAME
FRMG	FRAMING
FRP	FIBER-REINFORCED POLYMER
FS	FAR SIDE
FT	FOOT (FEET)
FTG	FOOTING
FUT	FUTURE
GA	GAGE
GALV	GALVANIZE(D)
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GDR	GUARDRAIL
GEN	GENERAL
GOVT	GOVERNMENT
GR	GRADE
GRTG	GRATING
GT	GROUT
H	HIGH (HEIGHT)
HC	HOLLOW CORE
HGR	HANGER
HORIZ	HORIZONTAL
HP	BEARING PILE SHAPE
HPT	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
I	MOMENT OF INERTIA
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IJ	ISOLATION JOINT
IN	INCH(ES)
INFO	INFORMATION
INT	INTERIOR
INV	INVERT
IR	INSIDE RADIUS
JST	JOIST
JT	JOINT
KB	KNEE BRACE
KIP	THOUSAND POUNDS
KLF	KIP(S) PER LINEAR FOOT
KPL	KICK PLATE
KSF	KIP(S) PER SQUARE FOOT
KSI	KIP(S) PER SQUARE INCH
L	ANGLE SHAPE OR LENGTH
LAD	LADDER
LBS	POUND(S)
LD	DEVELOPMENT LENGTH
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLO	LONG LEG OUTSTANDING
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LPT	LOW POINT
LSL	LONG-SLOT HOLE(S)
LTWT	LIGHTWEIGHT
MATL	MATERIAL
MAX	MAXIMUM
MBMA	METAL BUILDING MANUFACTURERS ASSOCIATION
MBS	METAL BUILDING SYSTEM
MC	MISCELLANEOUS CHANNEL SHAPE OR MOMENT CONNECTION
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MSL	MEAN SEA LEVEL
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NAAMM	NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS
NAVD	NORTH AMERICAN VERTICAL DATUM
NCMA	NATIONAL CONCRETE MASONRY ASSOCIATION
NE	NORTHEAST
NF	NEAR FACE OR NEAR FLANGE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NSFC	NOT SHOWN FOR CLARITY
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OR	OUTSIDE RADIUS
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OVS	OVERSIZE HOLE(S)
PAR	PARALLEL
PCA	PORTLAND CEMENT ASSOCIATION
PCC	PRECAST CONCRETE
PCF	POUND(S) PER CUBIC FOOT
PCI	POUND(S) PER CUBIC INCH OR PRECAST/PRESTRESSED CONCRETE INSTITUTE
PED	PEDESTAL
PERP	PERPENDICULAR
PH	PHASE
PL	PLATE
PLBG	PLUMBING
PLC	PLACE(S)
PLF	POUND(S) PER LINEAR FOOT
PREFAB	PREFABRICATE(D)
PREP	PREPARATION
PS	PIPE SUPPORT
PSF	POUND(S) PER SQUARE FOOT
PSI	POUND(S) PER SQUARE INCH
PT	PRETENSIONED JOINT
PUR	PURLIN
PVC	POLYVINYL CHLORIDE
QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
R	RADIUS OR RISER(S)
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BAR(S)
REF	REFERENCE
REINF	REINFORCE(D)
REQD	REQUIRED
REV	REVISION
RF	ROOF
RM	ROOM
RST	REINFORCING STEEL
S	SECTION MODULUS OR SOUTH OR AMERICAN STANDARD BEAM SHAPE
SB	SHEAR BAR
SC	SLIP-CRITICAL JOINT
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SE	SOUTHEAST
SECT	SECTION
SEI	STRUCTURAL ENGINEERING INSTITUTE
SF	SWAY FRAME
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLNT	SEALANT
SLO	SHORT LEG OUTSTANDING
SLV	SLEEVE
SP	SPACE(S)
SPEC	SPECIFICATION(S)
SQ	SQUARE
SSL	SHORT-SLOT HOLE(S)
SSMR	STANDING SEAM METAL ROOF
SST	STAINLESS STEEL
ST	SNUG-TIGHT JOINT
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STR	STRAIGHT
STRUCT	STRUCTURAL
SUB	SUBSTITUTE
SUPT	SUPPORT
SW	SOUTHWEST
SYMM	SYMMETRICAL
T	TON(S) OR TREAD(S)
T&B	TOP AND BOTTOM
TB	THROUGH BOLT
TD	TRENCH DRAIN
TEMP	TEMPORARY
THD	THREAD(ED)
THK	THICK(NESS)
THRU	THROUGH
TMS	THE MASONRY SOCIETY
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VB	VAPOR BARRIER
VERT	VERTICAL
VIF	VERIFY IN FIELD
VNR	VENEER
VR	VAPOR RETARDER
W	WEST OR WIDE (WIDTH) OR WIDE FLANGE SHAPE
W/	WITH
W/O	WITHOUT
WH	WEEP HOLE
WL	WIND LOAD
WLD	WELD(ED)
WP	WORKING POINT
WS	WATERSTOP
WT	WEIGHT OR WIDE FLANGE TEE SHAPE
WWR	WELDED WIRE REINFORCEMENT
X	EXTRA STRONG
XX	DOUBLE EXTRA STRONG

SYMBOL LEGEND



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