ARCHITECTURAL ABBREVIATIONS

1 PP	SINGLE PHASE
3 WAY	THREE WAY
3/C	THREE CONDUCTOR
3/P	THREE POLE
4 WAY	FOUR WAY
@	AT
ABI	ADDITIVE BID ITEM
AB	ANCHOR BOLT, AUGER BORING
ABS	AIR BREAK SWITCH
AC	ACOUSTIC
	AIR CONDITIONING,
	ASPHALTIC CONCRETE,
AD	ACCESS DOOR, AREA DRAIN,
ADD ALT	ADDITIVE ALTERNATE
ADJ	ADJUSTABLE
AE	AERIAL ELECTRICAL
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMP, A	AMPERE
ANOD	ANODIZE
AP	ACCESS PANEL
APC	ACOUSTICAL PANEL CEILING
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
ATC	ACOUSTIC TILE CEILING
AUTO	AUTOMATIC
AV	AUTOMATIC VENT
B	BATH, BOILER, BASE
B B	BULLETIN BOARD
BC	BALANCING COCK
	BOTTOM OF CURB,
BRD	BOARD
BFP	BACKFLOW PREVENTER
BHP	BREAK HORSEPOWER
BIT. CONC	BITUMINOUS CONCRETE
BJ	BAR JOIST
BLDG	BUILDING
BLK	BLOCK
BM	BEAM, BENCHMARK
BOT	BOTTOM
BR	BOTTOM REGISTER, BEDROOM
BRG	BEARING
BS	BOTTOM OF STEP
BSMT	BASEMENT
BTWN	BETWEEN
BTU	BRITISH THERMAL UNIT
BV	BALANCING VALVE
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM OF WALL
C	CONVECTOR, CARPET, CENTER
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CC	CENTER TO CENTER
CEM	CEMENT
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CG	CORNER GUARD
CI	CAST IRON
CIR	CIRCULATING
CJ	CONSTRUCTION JOINT
	CONTROL JOINT
CKT	CIRCUIT
CL	CLEAR
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNITS
CMU G1	GLAZED CMU, ONE SIDE
CMU G2	GLAZED CMU, TWO SIDES
CND,C	CONDUIT
CNDS	CONDENSATE
CO	CLEANOUT
COL	COLUMN
COMP'T	COMPARTMENT
CONC	CONCRETE
COND	CONDUCTOR
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTION
CONV	CONVERTER
COP,CU	COPPER
CPT	CARPET
CR	CONDENSATE RETURN
CS/CI	CONTRACTOR SUPPLIED/ CONTRACTOR INSTALLED
CS/OI	CONTRACTOR SUPPLIED/ OWNER INSTALLED
CSK	COUNTER SUNK
CT	CERAMIC TILE,
	CURRENT TRANSFORMER
CTE	CONNECT TO EXISTING
CTR	CENTER
CTV	CABLE TELEVISION
CU	COPPER
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
CW	COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
D	DEPTH, DEGREE OF CURVATURE
	DRAIN, DRYER
Ø	DIAMETER
D PNL	DISTRIBUTION PANEL
D&D	DROP AND DRIP
DB	DIRECT BURIAL,
	DRY BULB, DECIBEL
DD	DOOR DIMENSION
DF	DRINKING FOUNTAIN
DFD	DOOR FRAME DIMENSION
DH	DRILL HOLE, DOUBLE HUNG
DI	DUCTILE IRON, DITCH INVERT
DIA	DIAMETER
DIC	DOWN IN CORNER/CHASE
DIFF	DIFFUSER
DIM	DIMENSION
DIW	DOWN IN WALL
DL	DEAD LOAD
DMH	DRAIN MANHOLE
DMPFG	DAMPPROOFING
DMPR	DAMPER
DN	DOWN
DO	DITTO, DRAW-OFF
DS	DOWN SPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST, ELECTRICAL
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
	EMPTY CONDUIT
ECG	EXHAUST CEILING GRILLE
ECR	EXHAUST CEILING REGISTER
EF	EACH FACE, EXHAUST FAN
EG	EXHAUST GRILLE

EL,ELEV	ELEVATION
ELEC	ELECTRIC
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	EDGE OF PAVEMENT
EPS	EXTRUDED POLYSTYRENE
EPT	ENAMEL PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EXHAUST REGISTER
ETC	ETCETERA
EVAP	EVAPORATIVE
EVC	END VERTICAL CURVE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWG	EXHAUST WALL GRILLE
EWR	EXHAUST WALL REGISTER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION, EXPOSED
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F	FAHRENHEIT, FIRE, FREEZER, FLOOR
F&T	FLOAT AND THERMOSTATIC
FABX	FIRE ALARM BOX
FAC	FIRST AID CABINET
FBO	FURNISHED BY OTHERS
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN, FOOTING DRAIN
FDR	FEEDER
FE	FIRE EXTINGUISHER
FF	FAR FACE, FINISH FLOOR
FFE	FINISHED FLOOR ELEVATION
FG	FINISH GRADE, FIBERGLASS
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIG	FIGURE
FIN	FINISH
FJ	FELT JOINT
FL	FLOOR, FLASHING
FLUOR	FLUORESCENT
FM	EXIST, FORCE MAIN
FO	FUEL OIL
FOF	FACE OF FOUNDATION
FOR	FUEL OIL RETURN
FOS	FACE OF STUD,
	FUEL OIL SUPPLY
FOUND	FOUNDATION
FP	FINNED PIPE
	FIREPROOF
FPH	FROST PROOF HYDRANT
FPM	FEET PER MINUTE
FR	FRAME, FIRE RESISTANT
FS	FLOOR SINK
FT	FOOT, FEET, FINNED TUBE
FTG	FOOTING
FU	FIXTURE UNIT
FV	FACE VELOCITY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GF/GI	GOVT. FURNISHED/GOVT. INSTALLED
GF/CI	GOVT. FURNISHED/CONTRACTOR INSTALLED
GI	GALVANIZED IRON
GL	GLASS
GOV'T	GOVERNMENT
GPM	GALLONS PER MINUTE
GR	GRADE
GRAN	GRANULAR
GRD	GROUND
GT	GREASE TOP
GV	GATE VALVE
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HUMIDIFIER
H,HGT	HEIGHT
H&V	HEATING AND VENTILATING
HB	HOSE BIB
HC	HANDICAPPED
	HEATING CONTRACTOR
HCWD	HOLLOW CORE WOOD DOOR
HDC	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HGSW	HORN GAP SWITCH
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HORSEPOWER, HIGH POINT
HPS	HIGH PRESSURE STEAM,
	HIGH PRESSURE SODIUM
HR	HOUR
HRU	HEAT RECOVERY UNIT
HS	HIGH STRENGTH
HTHW	HIGH TEMPERATURE HOT WATER
HTP	HIGH TEMPERATURE RETURN
HTS	HIGH TEMPERATURE SUPPLY
HVAC	HEATING, VENTILATING, AND
	AIR CONDITIONING
HW	HOT WATER HEADWALL
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HYD	HYDRANT
HZ	HERTZ
ID	INSIDE DIAMETER
IER	INVERTED ECCENTRIC REDUCER
IN	INCH
INCL	INCLUSIVE
INFO	INFORMATION
INSUL	INSULATION, INSULATED
INT	INTERIOR
INV	INVERT
IW	IN WALL
IWP	IMPACT RESISTANT WALL PROTECTION
JB	JUNCTION BOX
JAN	JANITOR CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
K	KITCHEN, CURVE COEFFICIENT
kPa	KILOPASCAL
KO	KNOCK OUT
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
L	LENGTH OF CURVE
	LOUVER, LENGTH
LA	LIGHTNING ARRESTOR
LAB	LABORATORY
LAD	LADDER
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS	POUNDS
LF	LINEAR FEET
LFC	LINOLEUM FLOOR COVERING
LGR	LEDGER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT, LIGHTING PANEL

LPS	LOW PRESSURE STREAM, LOW PRESSURE
	SODIUM, LITERS PER SECOND
LR	LIVING ROOM
LT	LIGHT
LTHW	LOW TEMPERATURE HOT WATER
LTR	LOW TEMPERATURE RETURN
LTS	LOW TEMPERATURE SUPPLY
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
LWCO	LOW WATER CUT-OFF
M&S	MIRROR AND SHELF
MACH	MACHINE
MANUF	MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MBH	THOUSAND BTU PER HOUR
MC	MEDICINE CABINET
MCB	METAL CORNER BEAD
MD	MANUAL DAMPER
MECH	MECHANICAL
MH	MANHOLE
MIC	MULTICOLOR INTERIOR COATING
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLDG	MOULDING
mm	MILLIMETER
MO	MASONRY OPENING,
	MOTOR OPERATED
MOD	MOTOR OPERATED DAMPER
mPa	MEGAPASCAL
MPS	METAL PLASTER STOP
MR	MOISTURE RESISTANT
MS	METAL STRIP
MTD	MOUNTED
MTL	METAL
MV	MANUAL VENT
N	NORTH
N.I.C.	NOT IN CONTRACT
NC	NONCORROSIVE,
	NORMALLY CLOSED
NDC	NOSE DOWN CURB
NE	NEW UNDERGROUND ELECTRICAL
NEUT	NEUTRAL
NF	NEAR FACE
NFD	NEW FOOTING DRAIN
NFH	NEW FIRE HYDRANT
NFM	NEW FORCE MAIN
NLP	NEW LIQUID PROPANE GAS
NO	NUMBER, NORMALLY OPEN
NOM	NOMINAL
NSD	NEW STORM DRAIN
NSS	NEW SANITARY SEWER
NT	NEW TELEPHONE LINE
NTS	NOT TO SCALE
NW	NEW WATER
NUE	NEW UNDERGROUND ELECTRIC
NUP	NEW UNDERGROUND PRIMARY
NUS	NEW UNDERGROUND SECONDARY
OA	OVER ALL, OUTDOOR AIR
	OUTSIDE AIR
OB GL	OBSCURE GLASS
OC	ON CENTER
OCB	OIL CIRCUIT BREAKER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
OS&Y	OUTSIDE SCREW AND YOKE
OS/CI	OWNER SUPPLIED / CONTRACTOR INSTALLED
OS/OI	OWNER SUPPLIED / OWNER INSTALLED
OVHD, OH	OVERHEAD
P,	FIXTURE NUMBER, PIPE, PUMP
P-1	PLUMBING FIXTURE TYPE
PART	PARTITION
PAVT	PAVEMENT
PB	PULL BOX
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PF	PRESSURIZATION FAN
PG	PRESSURE GAUGE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLAST	PLASTIC
PLYWD	PLYWOOD
PNL	PANEL
PNTD	PAINTED
POL	POLISHED
PRELIM	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PROJ	PROJECTION
PRV	PRESSURE REDUCING VALVE
PS	PULL SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, POINT, POINT OF TANGENT,
	PRESSURE TREATED
PT DISP	PAPER TOWEL DISPENSER
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
PVI	POINT OF VERTICAL
	INTERSECTION
QT	QUARRY TILE
R	RADIUS, RISER,
	RETURN, RADIUS OF CURVE
	RUBBER SHEATH, RANGE
RA	RETURN AIR
RAD	RADIUS, RADIATOR
RCG	RETURN CEILING GRILLE
RCP	REFLECTED CEILING PLAN,
	REINFORCED CONCRETE PIPE
RCR	RETURN CEILING, REGISTER
RD	ROOF DRAIN, ROAD
RECP	RECEPTACLE
RED	REDUCING
REF	REFRIGERATOR
REG	REGULATOR, REGISTER
REINF	REINFORCEMENT
REQ'D	REQUIRED
REV	REVISION
RF	RETURN FAN
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RS	RUBBER STAIR ACCESSORY
RT	RUBBER TILE
RV	RELIEF VALVE
RW	RAIN WATER
RWG	RETURN WALL GRILLE
RWR	RETURN WALL REGISTER
RWV	RESET WATER VALVE

S	SOUTH, SUPPLY
S DISP	SOAP DISPENSER
S&L	SINK AND LAUNDRY TRAY
S&V	STAIN AND VARNISH
S/S	SERVICE SINK
	STAINLESS STEEL
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SAN	SANITARY SEWER
SB	SECURITY BARS
SCONC	SEALED CONCRETE
SCWD	SOLID CORE WOOD DOOR
SCD	SECURITY CEILING DIFFUSER
SCG	SUPPLY CEILING GRILLE
SCH	SCHEDULE
SCR	SUPPLY CEILING REGISTER
SD	SPLITTER DAMPER,
	STORM DRAIN
SECT	SECTION
SF	SUPPLY FAN, SQUARE FEET
SG	SUPPLY GRILLE
SH	SINGLE HUNG
SHT	SHEET
SIM	SIMILAR
SL	SLOPE
SMH	SANITARY MANHOLE
SP	SINGLE POLE
	STATIC PRESSURE,
SPDT	SINGLE POLE, DOUBLE THROW
SPECS	SPECIFICATIONS
SQ	SQUARE
SQ FT	SQUARE FEET
SR	SUPPLY REGISTER
SS	SERVICE SINK, SANITARY SEWER
ST	STREET, SINGLE THROW,
	STRUCTURAL TUBING
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STYRO	STYROFOAM
SUP	SUPPORT
SUSP	SUSPEND
SV	SHEET VINYL
SW	STORM WATER
SWG	SUPPLY WALL GRILLE
SWR	SUPPLY WALL REGISTER
SYM	SYMMETRICAL
T	TRANSFORMER, THERMOMETER,
	TILE, TOP, TANGENT
TB	TACK BOARD
TBA	TOILET BATH ACCESSORIES
TBM	TEMPORARY BENCH MARK
T&B	TOP AND BOTTOM
T&G	TONGUE & GROOVE
T.O.C.	TOP OF CONCRETE
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL, TOP OF SLAB
T.O.W.	TOP OF WALL
TC	TEMPERATURE CONTROL
	TOP OF CURB
TCG	TRANSFER CEILING GRILLE
TCP	TEMPERATURE CONTROL PANEL
TDV	TRIPLE DUTY VALVE
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY
TERM	TERMINAL
THK	THICK
THRU	THROUGH
TP	TOILET PARTITION
TPH	TOILET PAPER HOLDER
TRAN	TRANSOM
TS	TOP OF STEP, TOP OF SILL
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TT	THERMOSTATIC TRAP
TV	TELEVISION CAMERA
	TURNING VANE
TWG	TRANSFER WALL GRILLE
TYP	TYPICAL
TYPE "X"	UL APPROVED GWB
U&D	UP AND DOWN
UC	UNDERCUT
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UIC	UP IN CHASE
UIW	UP IN WALL
UNO	UNLESS NOTED OTHERWISE
US	UNDERGROUND SECONDARY
UP	UNDERGROUND PRIMARY
UV	UNIT VENTILATOR
V	VENT, VOLT, VALVE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VEN	VENEER
VENT	VENTILATING, VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD.
VS	VENT STACK, VINYL STRIP
VT	VINYL THRESHOLD
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WATER, WASTE, WALL
	WEST, WASHING MACHINE
WB	RESILIENT WALL BASE
W CAB	WALL CABINET
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCO	WALL CLEAN-OUT
WD	WIDTH, WINDOW DIMENSION,
	WOOD
WDW	WINDOW
WGL	WIRE GLASS
WH	WALL HUNG CABINET
	WATERHEATER
WNSCT	WAINSCOT
WP	WATERPROOF, WEATHERPROOF
WPD	WATER PRESSURE DROP
WS	WASTE STACK
	WATERSTOP, WEATHERSTRIPPING
WSO	WATER SHUT OFF
WT	WEIGHT
WTD	WATER TEMPERATURE DROP
WTR	WATER TEMPERATURE RISE
WWF	WELDED WIRE FABRIC
X-SECT	CROSS SECTION
X-STR	EXTRA STRENGTH
XFMR	TRANSFORMER

NOTE: REFER TO STRUCTURAL, MECHANICAL, AND/OR ELECTRICAL DRAWINGS FOR ABBREVIATIONS SPECIFIC TO EACH DISCIPLINE

A1 ARCHITECTURAL ABBREVIATIONS

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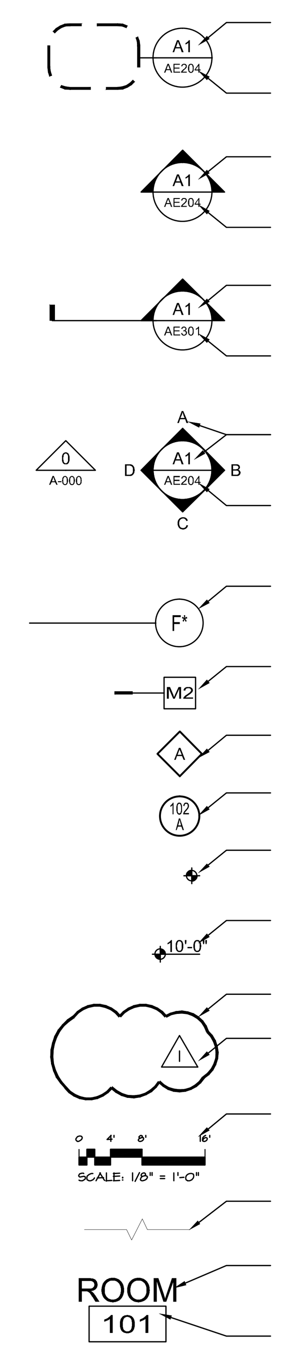
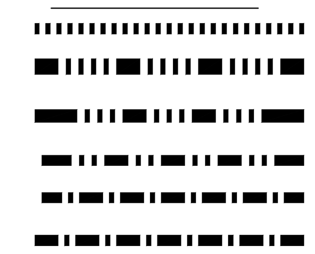
SYMBOLS



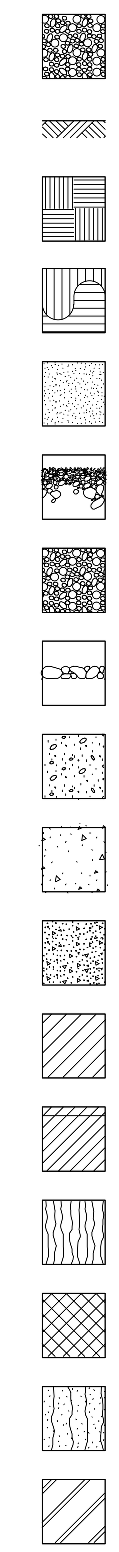
- DETAIL NUMBER
- SHEET NUMBER DETAIL IS DRAWN ON
- BUILDING ELEVATION NUMBER
- SHEET NUMBER ELEVATION IS DRAWN ON
- BUILDING / WALL SECTION NUMBER
- SHEET NUMBER BUILDING / WALL SECTION IS DRAWN ON
- INTERIOR ELEVATION REFERENCE
- SHEET NUMBER ELEVATION IS DRAWN ON
- COLUMN GRID REFERENCE
- WALL TYPE REFERENCE
- WINDOW TYPE REFERENCE
- DOOR NUMBER REFERENCE
- ELEVATION MARKER - PLAN
- ELEVATION MARKER - SECTION
- REVISION CLOUD
- REVISION NUMBER
- GRAPHIC SCALE
- BREAK LINE
- ROOM NAME
- ROOM NUMBER

LINETYPES

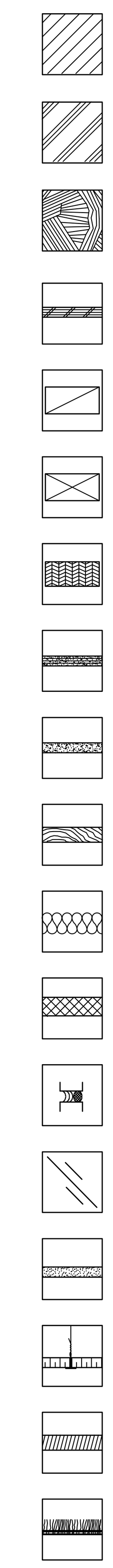


- SMOKE PARTITION
- 4 HOUR RATED PARTITION
- 3 HOUR RATED PARTITION
- 2 HOUR RATED PARTITION
- 1 HOUR RATED PARTITION
- MATCH LINE

HATCH PATTERNS



- EARTH, CRUSHED ROCK GRAVEL PATTERN
- EARTH, UNDISTURBED PATTERN
- EARTHWORK PATTERN, COMPACTED FILL PATTERN
- EARTHWORK ROCK PATTERN
- SAND PATTERN
- EARTWORK GRAVEL PATTERN, POROUS FILL
- EROSION AND SEDIMENTATION CONTROL, FILTRATION BED PATTERN
- RIPRAP PATTERN
- SAND CLAY GRAVEL PATTERN
- STONE, CONCRETE PATTERN
- CONCRETE PATTERN, LIGHTWEIGHT
- BRICK PATTERN
- BRICK PATTERN, GLAZED
- TERRA COTTA
- CONCRETE BLOCK PATTERN
- STONE CUT PATTERN
- ALUMINUM PATTERN



- BRONZE BRASS PATTERN
- STEEL & OTHER METAL PATTERN
- EARTH, CRUSHED ROCK GRAVEL PATTERN
- PLYWOOD PATTERN
- WOOD BLOCKING OR SHIM PATTERN
- WOOD FRAMING, CONTINUOUS PATTERN
- WOOD, GLUED-LAMINATED PATTERN
- ORIENTED STRAND BOARD PATTERN
- PARTICLE PATTERN
- WOOD FINISH PATTERN
- INSULATION, LOOSE FILL PATTERN
- INSULATION, RIGID BOARD PATTERN
- SEALANT AND BACKER ROD
- GLASS ELEVATION PATTERN
- GYPSUM BOARD FINISH PATTERN
- TILE, ACOUSTICAL CEILING PATTERN
- WOOD FLOORING PATTERN
- CARPET AND PAD PATTERN

H12 ARCHITECTURAL SYMBOLS

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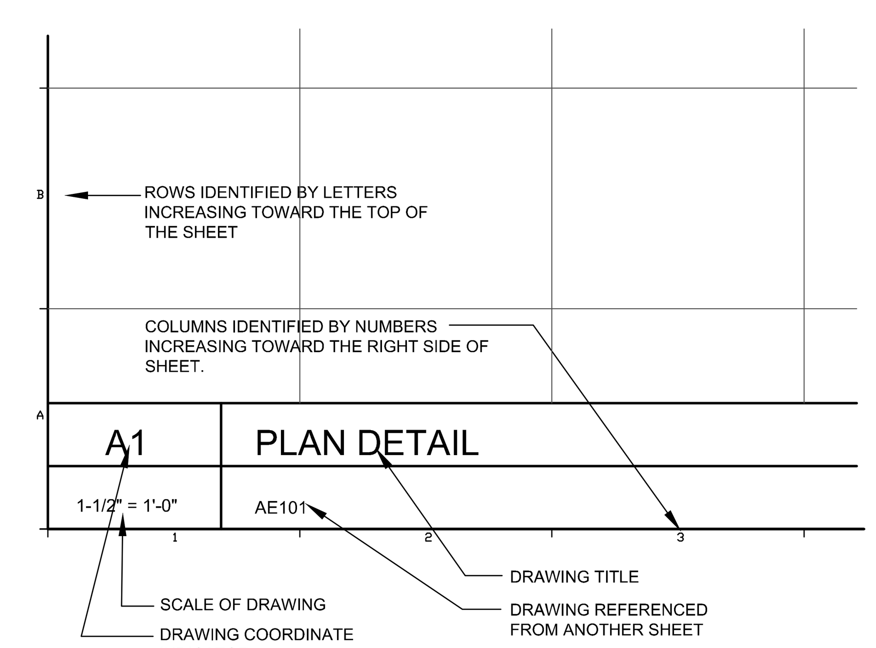

A12 DRAWING AREA

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REV.	DESCRIPTION	DATE
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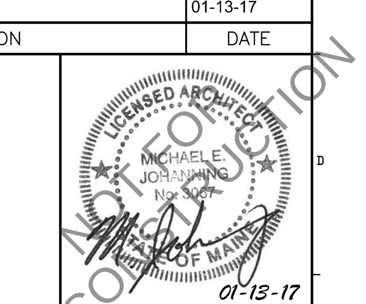

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PROJECT: USM SCIENCE BUILDING OFFICE RENOVATIONS
PORTLAND, ME

SHEET TITLE: SYMBOLS AND ABBREVIATIONS

WBRC CAD FILE:	4128.10 – GI002
PROJECT No.	4128.10
SCALE:	AS NOTED
PROJECT MANAGER:	MEJ
DRAWN BY:	--
CHECKED BY:	--
GRAPHIC SCALE:	0" 1"
SHEET No.	GI002

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