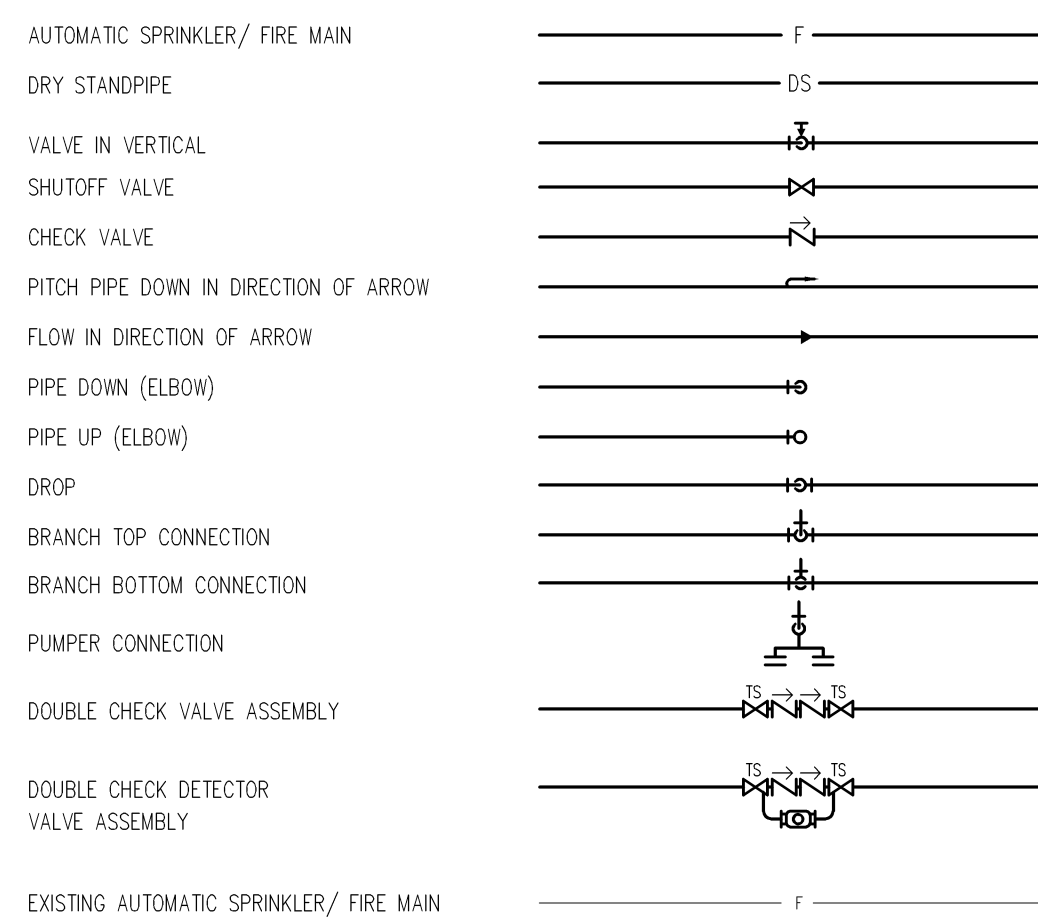


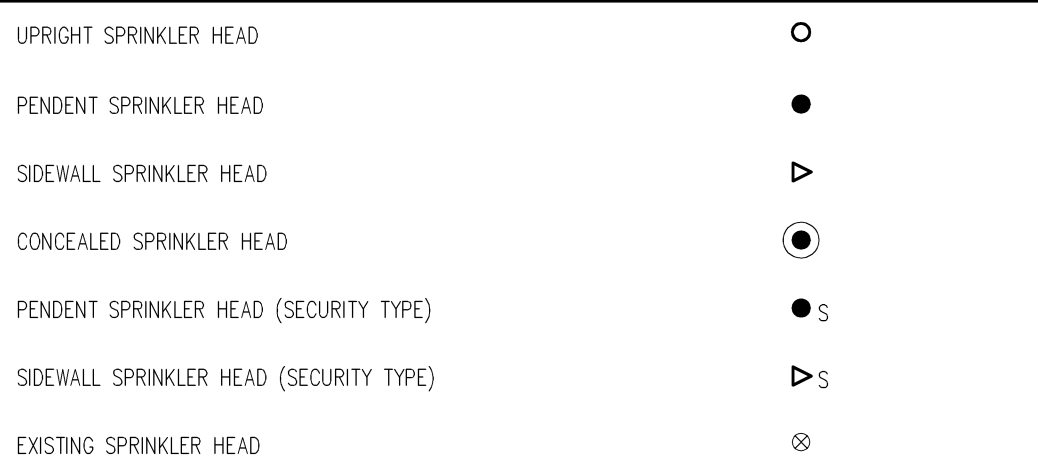
STANDARD HVAC ABBREVIATIONS

AC	ALTERNATING CURRENT	IN.	INCH
ACU	AIR CONDITIONING UNIT	GPH	GALLONS PER HOUR
ACCU	AIR COOLED	GPM	GALLONS PER MINUTE
	CONDENSING UNIT	HE	HEAT EXCHANGER
AD	ACCESS DOOR	HP	HORSEPOWER
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LD	LINEAR DIFFUSER
AMB	AMBIENT	LDR	LINEAR RETURN DIFFUSER
AMP	AMPERE	LWT	LEAVING WATER TEMPERATURE
AP	ACCESS PANEL	MAU	MAKEUP AIR HANDLING UNIT
AS	AIR SEPARATOR	MBH	1000 BTU PER HOUR
BD	BALANCING DAMPER	MC	MECHANICAL CONTRACTOR
BDD	BACK DRAFT DAMPER	MD	MOTORIZED DAMPER
BE	BOTTOM ELEVATION	NA	NOT APPLICABLE
BHP	BRAKE HORSEPOWER	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NO	NORMALLY OPEN
CFM	CUBIC FOOT PER MINUTE	NOM	NOMINAL
CUH	CABINET UNIT HEATER	OA	OUTSIDE AIR
CO	CLEANOUT	PD	PRESSURE DROP
CONV	CONVECTOR	PH	PHASE (ELECTRICAL)
D	DRAIN PIPING	PRV	PRESSURE REDUCING VALVE
DB	DRY BULB	PSI	POUNDS PER SQUARE INCH
DC	DIRECT CURRENT	PSIG	PSI GAUGE
DX	DIRECT EXPANSION (REFRIGERATION)	PLH	PROPPELLER UNIT HEATER
EA	EXHAUST AIR (RELIEF)	PVC	POLYVINYL CHLORIDE
EB	ELECTRIC BOILER	RA	RETURN AIR
EC	ELECTRICAL CONTRACTOR	RG	RETURN GRILLE
EGG	EGG CRATE GRILLE	RPM	REVOLUTIONS PER MINUTE
EFC	EXHAUST FAN	RTU	ROOFTOP AIR HANDLING UNIT
EG	EXHAUST GRILLE	SA	SUPPLY AIR
EAT	ENTERING AIR TEMPERATURE	SB	STEAM BOILER
ET	EXPANSION TANK	SCD	SQUARE CEILING DIFFUSER
EWT	ENTERING WATER TEMPERATURE	SF	SUPPLY FAN
EX	EXISTING	SG	SUPPLY GRILLE
EXH	EXHAUST	SP	STATIC PRESSURE
FA	FACE AREA	SRF	SMOKE REMOVAL FAN
FDR	FIRE DAMPER	SS	STAINLESS STEEL
FBM	FEET PER MINUTE	TA	THROW AWAY
FPVAV	FAN POWERED VARIABLE AIR VOLUME	TC	TEMPERATURE CONTROL
F/SDR	FIRE/SMOKE DAMPER	TCC	TEMPERATURE CONTROL CONTRACTOR
FT	FEET	TD	TEMPERATURE DROP
FV	FACE VELOCITY	TE	TOP ELEVATION
GB	GAS BOILER	V	VOLTS (ELECTRICAL)
GC	GENERAL CONTRACTOR	VAV	VARIABLE AIR VOLUME
		VF	VENTILATING FAN
		WB	WET BULB
		WG	WATER GAUGE

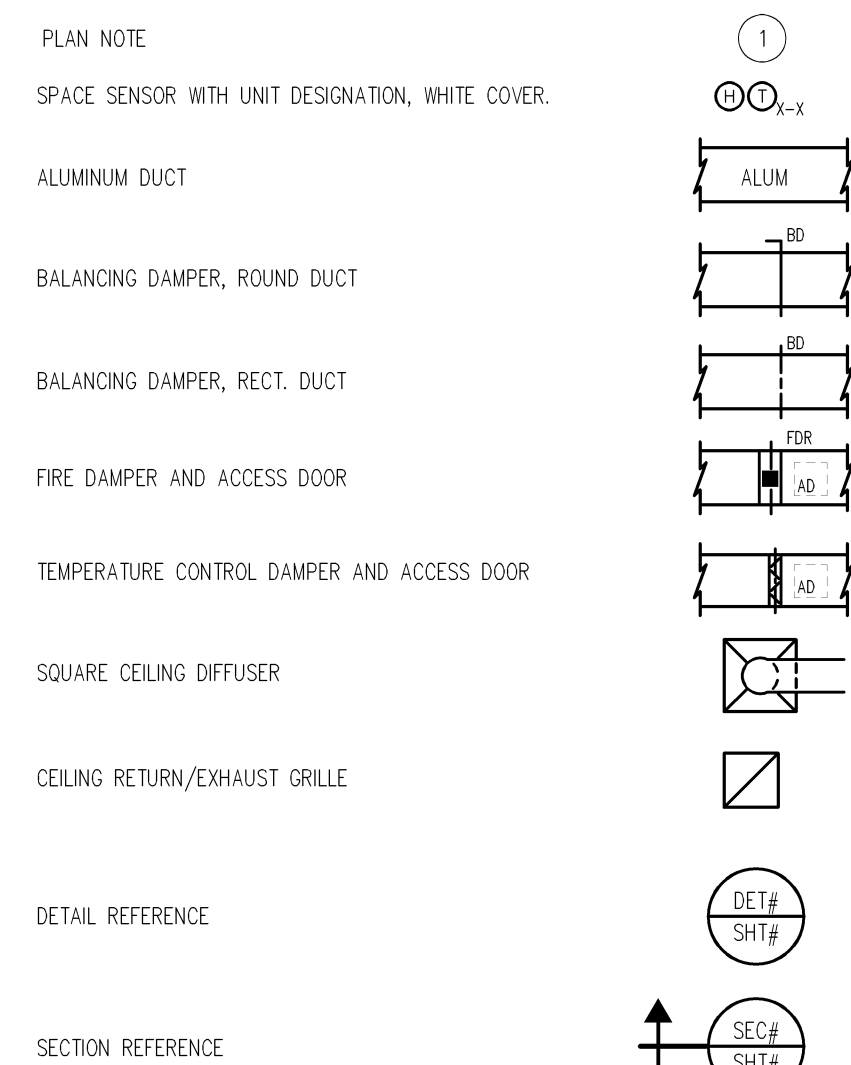
FIRE PROTECTION SYMBOLS



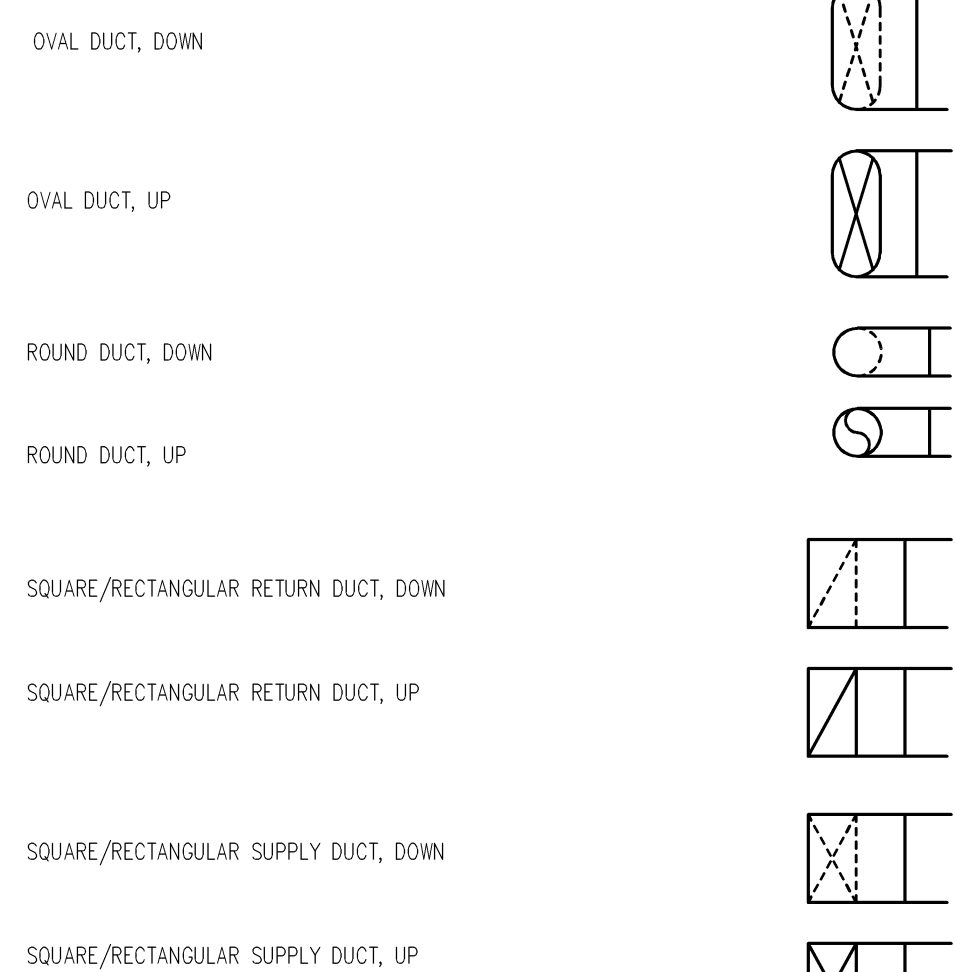
SPRINKLER LEGEND



STANDARD HVAC SYMBOLS



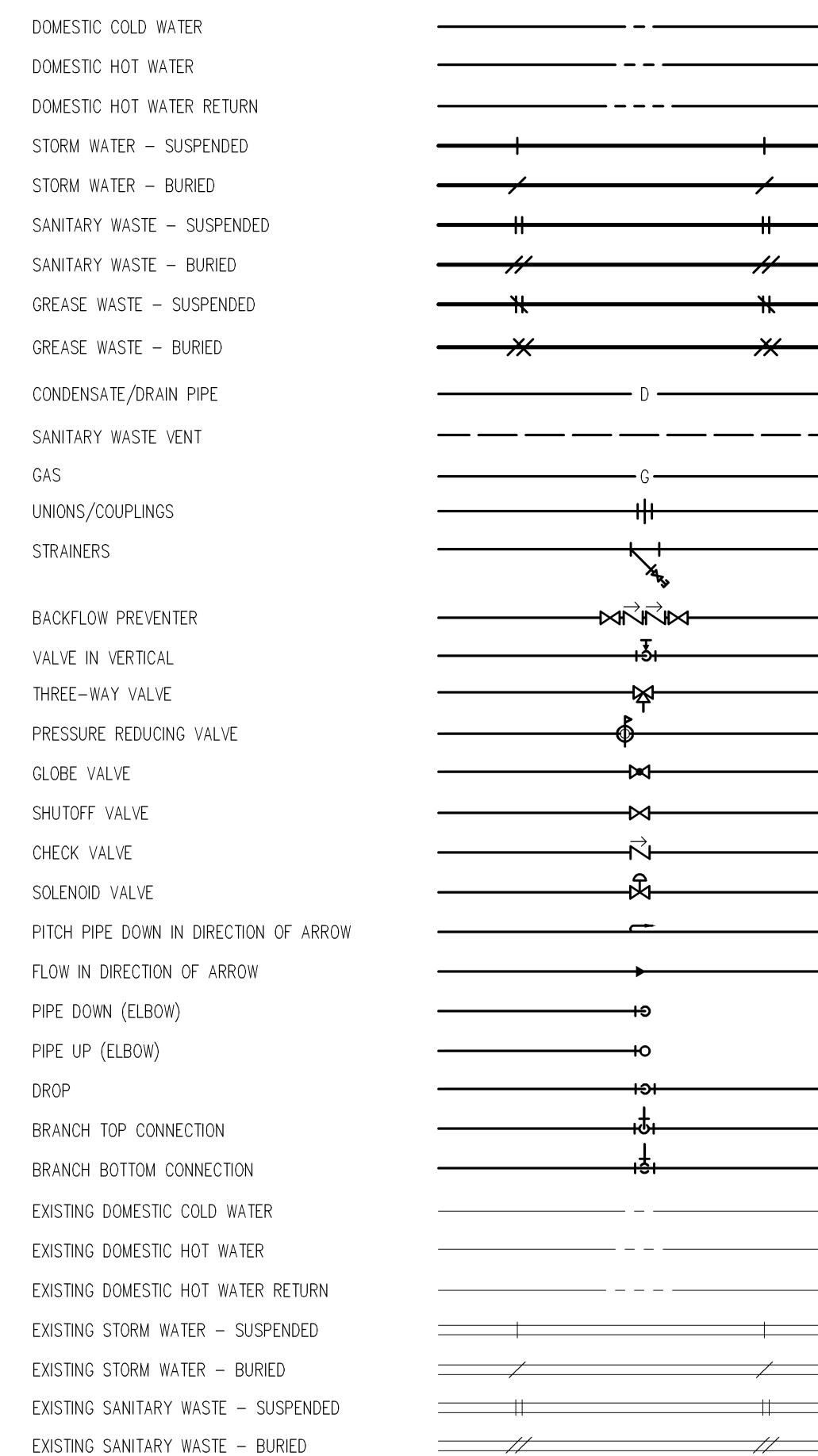
STANDARD HVAC SYMBOLS



STANDARD PLUMBING ABBREVIATIONS

A	AIR	LW	LAB WASTE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	MC	MECHANICAL CONTRACTOR
ACFM	ACTUAL CUBIC FEET PER MINUTE	MH	MANHOLE
AD	AREA DRAIN	MSB	MOP SERVICE BASIN
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AFG	ABOVE FINISHED GRADE	NH	NO HUB
AP	ACCESS PANEL	NO	NORMALLY OPEN
AS	AUTOMATIC SPRINKLER	NPSH	NET POSITIVE SUCTION HEAD
BFP	BACKFLOW PREVENTER	ORD	OVERFLOW ROOF DRAIN
CA	COMPRESSED AIR	OSD	OPEN SITE DRAIN
CB	CATCH BASIN	OV	OUTLET VELOCITY
CBI	CURB INLET	PD	PRESSURE DROP
CD	CANOPY DRAIN	PG	PRESSURE GAUGE
CFH	CUBIC FEET PER HOUR	PH	PHASE (ELECTRICAL)
CFM	CUBIC FEET PER MINUTE	PIV	POST INDICATOR VALVE
CI	CAST IRON	PPM	PARTS PER MILLION
CMP	CORRUGATED METAL PIPE	PRV	PRESSURE REGULATING VALVE
CO	CLEANOUT	PSI	POUNDS PER SQUARE INCH
CONN	CONNECT	PSIA	PSI ABSOLUTE
CP	CONCRETE PIPE	PSIG	PSI GAUGE
CR	CONDENSATE RETURN	PVC	POLYVINYL CHLORIDE
CW	COLD WATER	RC	ROOF CONDUCTOR
DF	DRINKING FOUNTAIN	RD	ROOF DRAIN
DIA	DIAMETER	RPM	REVOLUTIONS PER MINUTE
DN	DOWN	SC	SILL COCK
DS	DOWNSPOUT	SCFM	STANDARD CUBIC FEET PER MINUTE
DW	DEIONIZED/DISTILLED WATER	SQFT	SQUARE FOOT
ELEV	ELEVATION	SH	SHOWER
EWG	ELECTRIC WATER COOLER	SHD	SHOWER DRAIN
EX	EXISTING	SK	SINK
F	FEET	SP	STATIC PRESSURE
FD	FLOOR DRAIN	SS	SOIL STACK
FE	FIRE EXTINGUISHER	SSK	SERVICE SINK
FEC	FIRE EXTINGUISHER CABINET	SSTL	STAINLESS STEEL
FHC	FIRE HOSE CABINET	STM	STEAM
FPM	FEET PER MINUTE	TCV	TEMPERATURE CONTROL VALVE
FPS	FEET PER SECOND	TD	TEMPERATURE DROP
FS	FLOOR SINK	TDH	TOTAL DYNAMIC HEAD
FT	FEET	TDR	TRENCH DRAIN
G	GAS	TRM	THERMOMETER
GAL	GALLON	UR	URNAL
GC	GENERAL CONTRACTOR	V	VENT
GI	GALVANIZED IRON	VA	VALVE
GPD	GALLONS PER DAY	VB	VACUUM BREAKER
GPM	GALLONS PER MINUTE	VCP	VITRIFIED CLAY PIPE
HB	HOSE BIBB	VS	VENT STACK
HD	HEAD	VT	VITRIFIED TILE
HBD	HUB DRAIN	VTR	VENT THROUGH ROOF
HP	HORSEPOWER	W	WASTE
HW	HOT WATER	WC	WATER CLOSET
HWR	HOT WATER RETURN	WCD	WALL CLEANOUT
INV	INVERT	WG	WATER GAUGE
KEC	KITCHEN EQUIPMENT CONTRACTOR	WH	WALL HYDRANT
LAV	LAVATORY	WS	WASTE STACK
LFD	LAB FLOOR DRAIN	YD	YARD DRAIN
LV	LAB VENT	XVT	EXTRA-STRENGTH VITRIFIED TILE

STANDARD PLUMBING SYMBOLS



PROJECT MECHANICAL GENERAL NOTES:

- VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BIDDING AND BEFORE BEGINNING WORK.
- REVIEW THE WORK OF OTHER TRADES. COORDINATE AND PLAN WORK WITH THE OTHER TRADES. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
- STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
- MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
- PERFORM ALL WORK IN A SKILLED, PROFESSIONAL MANNER, MEETING THE ACCEPTANCE OF THE ENGINEER, ARCHITECT AND OWNER.
- CLEAN ALL EQUIPMENT TO PRESENT A "LIKE NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
- CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
- OFFSET PIPING AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRICAL CODE.
- REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL MECHANICAL ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS. (I.E. WALL HYDRANTS, LOUVERS, ETC.)

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P200	BASEMENT FLOOR PLAN - PLUMBING
P201	ENLARGED RESTROOM PLANS - PLUMBING
P401	DIAGRAMS - PLUMBING
HD201	ENLARGED RESTROOM PLANS - HVAC DEMOLITION
H201	ENLARGED RESTROOM PLANS - HVAC
H501	SCHEDULES AND DETAILS - HVAC

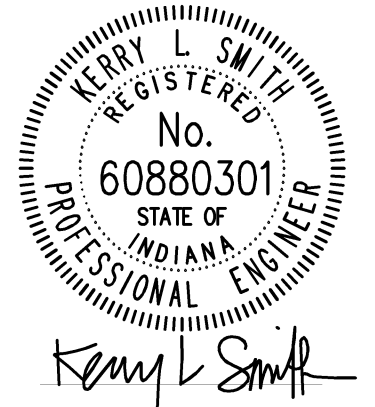
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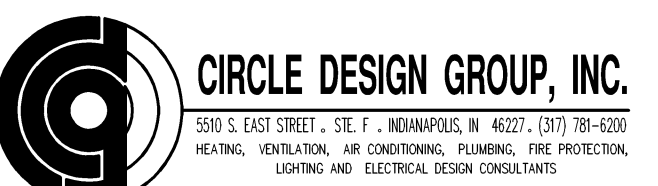
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Mechanical / Electrical/ Plumbing Engineer:



Structural Engineer:



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SYMBOLS AND
ABBREVIATIONS -
MECHANICAL
MECHANICAL

SHEET NUMBER

M001