

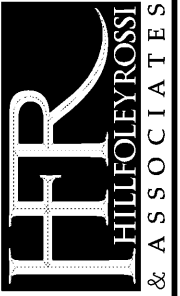
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HVAC SYMBOLS

	THERMOSTAT
	DUCT SECTION RETURN/EXHAUST
	DUCT SECTION SUPPLY
	DUCT SIZE - FIRST FIGURE IS SIDE SHOWN
	LINED DUCTWORK
	MANUAL - DAMPER (MD)
	FLEXIBLE DUCT CONNECTION
	TYPICAL 90° LOW PRESSURE DUCT ELBOW (FURNISH AND INSTALL DOUBLE THICKNESS TURNING VANES)
	TYPICAL 45° LOW PRESSURE DUCT ELBOW
	TERMINATED OPEN - ENDED DUCT
	24"x24" CEILING DIFFUSER (TYPE-NECK #-CFM)
	RETURN (EXHAUST) AIR GRILLE
	SLOT DIFFUSER
	WALL MOUNTED PROPELLER FAN
	UNIT HEATER - HORIZONTAL
	MOTOR OPERATED DAMPER
	VIBRATION ISOLATOR
	CONDENSATE DRAIN
	FIRE DAMPER
	SMOKE DAMPER
	BRANCH ROUND DUCT W/ SPIN-IN-FITTING & MANUAL VOLUME DAMPER
	DUCT TURNED DOWN
	DUCT TURNED UP
	FLEXIBLE DUCT
	SENSOR
	SMOKE DETECTOR
	OPENING ABOVE CEILING
	OPENING ABOVE CEILING WITH FIRE DAMPER
	DEMOLITION

HVAC ABBREVIATIONS

A/C	PERCENT	HZ	HERTZ
ACC	ABOVE CEILING	IA	INTAKE AIR
ADJ	AIR COOLED CHILLER	IN	INCHES
AFF	ADJUSTABLE	KW	KILOWATT
AFR	ABOVE FINISHED FLOOR	L & S	LOUVER & SCREEN
AHU	ABOVE FINISHED ROOF	LAT	LEAVING AIR TEMPERATURE (DEGREE F)
AP	AIR HANDLING UNIT	LBG	LINEAR BAR GRILLE
APLV	ACCESS PANEL	LSG	LINEAR BAR GRILLE
APPROX	APPLIED PART LOAD VALVE	LD	LINEAR DIFFUSER
ARCH	APPROXIMATE	LF	LINEAR FEET
AS	ARCHITECTURAL	LG	LENGTH
ASSY	ACOUSTIC SILENCER	LPH	LOUVERED PENTHOUSE
ATC	ASSEMBLY	LRA	LOCKED ROTOR AMPS
AV	AUTOMATIC TEMPERATURE CONTROL	LTD	LINED TRANSFER DUCT
BC	AUTOMATIC AIR VENT	LVT	LEAVING WATER TEMPERATURE
B	BOILER	MAY	MANUAL AIR VENT
BO	BALANCING COCK	MAX	MAXIMUM
BDD	BACKDRIFT DAMPER	MBH	THOUSAND BTU PER HOUR
BF	BELOW FLOOR	MCA	MINIMUM CIRCUIT AMPS
BLDG	BUILDING	ME	MECHANICAL
BMS	BUILDING MANAGEMENT SYSTEM	MD	MANUAL DAMPER
BOD	BOTTOM OF DUCT	MIN	MINIMUM
BOP	BOTTOM OF PIPE	MOD	MOTORIZED DAMPER
BRD SCR	BIRD SCREEN	MTD	MOUNTED
BTUH	BRITISH THERMAL UNIT PER HOUR	N/A	NOT APPLICABLE
BV	BAL VALVE	NC	NORMALLY CLOSED
CAC	CONTROL AIR COMPRESSOR	NIC	NOT IN CONTRACT
CAP	CAPACITY	NO	NORMALLY OPEN
CC	COOLING COIL	NOM	NOMINAL
CD	CEILING DIFFUSER	NPSH	NET POSITIVE SUCTION
CFM	CUBIC FEET PER MINUTE	PH	HEAD AVAILABLE
CH	CHILLER	PPSHR	NET POSITIVE SUCTION
CHWP	CHILLED WATER PUMP	QA	OUTSIDE AIR
CHWR	CHILLED WATER RETURN	OBD	OPPOSED BLADE DAMPER
CHWS	CHILLED WATER SUPPLY	OC	ON CENTER
CLG	CEILING	OPER	OPERATING
CLR	CLEAR	OPN	OPENING
CONC	CONCRETE	PD	PRESSURE DROP
CONN	CONNECT / CONNECTION	PG	PRESSURE GAUGE
CONT	CONTINUATION	PH	PHASE
CRU	COMPUTER ROOM UNIT	PIU	POWERED INDUCTION UNIT
CSP	COMBINATION STAND PIPE	PRESS	PRESSURE
CT	COOLING TOWER	PSIA	PRESSURE PER SQUARE INCH ABSOLUTE
CU	CABINETS / CABINETS	PSIG	PRESSURE PER SQUARE INCH GAUGE
CUH	CABINETS / UNIT HEATER	RA	RETURN AIR
CV	CHECK VALVE	RAD	REFRIGERATED AIR DRYER
CWP	CONDENSER WATER PUMP	RAG	RETURN AIR GRILLE
CWR	CONDENSER WATER RETURN	RAR	RETURN AIR REGISTER
CWS	CONDENSER WATER SUPPLY	RED	REDUCER
DB	DEGREE	REFG	REFRIGERANT
DBE	DIRECT DIGITAL CONTROL	REG	REGISTER
DEG	DEGREE	REQ	REQUIREMENT
DIA	DIFFUSER	RH	RELATIVE HUMIDITY
DIFF	DISCONNECT	RL	REFRIGERANT LIQUID
DIR	DIVISION	RPM	REVOLUTION PER MINUTE
DN	DOWN	RPP/BFP	REDUCED PRESSURE BACKFLOW PREVENTER
DT	DAY TANK	RM	ROOM
DWG	DRAWING	RS	REFRIGERANT SUCTION
EACH	ENTERING AIR TEMPERATURE	RTU	ROOF TOP UNIT
EAT	ELECTRIC DUCT HEATER	SUP	SUPPLY AIR
EDH	EFFICIENCY	SD	SMOKE DAMPER
EFF	EXHAUST FAN	SENS	SENSIBLE
EG	EXHAUST GRILLE	SG	SUPPLY GRILLE
ELEC	ELECTRICAL	SH	SENSIBLE HEAT
ENT	ENTERING	SP	STATIC PRESSURE (INCHES OF WATER)
ER	EXHAUST REGISTER	SPD	SPLITTER DAMPER
ES	EXPOSED STRUCTURE	SPEC	SPECIFICATION
ESP	EXTERNAL STATIC PRESSURE	SQ	SQUARE
EW	ENTERING WATER TEMPERATURE	SQ FT	SQUARE FEET
EXH	EXHAUST	SR	SUPPLY REGISTER (MECH ONLY)
F	FREE AREA	SS	STAINLESS STEEL
FA	FAN COIL UNIT	STD	STANDARD
FCU	FIRE DAMPER (MECH ONLY)	STR	STRAINER
FD	FINISHED	STRUCT	STRUCTURAL
FIN	FULL LOAD AMPS	SV	SOLENOID VALVE
FLX	FLEXIBLE	SWD	SIDEWALL DIFFUSER
FLR	FLOOR	T-STAT	THERMOSTAT
FOD	FACE OPERATED DAMPER	T&PRV	TEMPERATURE AND PRESSURE RELIEF VALVE
FPM	FEET PER MINUTE	TD	TRANSFER DUCT
FRP	FIBERGLASS REINFORCED PIPE	TDH	TOTAL DYNAMIC HEAD
FSD	FIRE/SMOKE DAMPER	TEMP	TEMPERATURE
FT	FEET	TC	TRANSFER GRILLE
FTR	FINNED TUBE RADIATION	TSP	TOTAL STATIC PRESSURE
GA	GAUGE	TYP	TYPICAL
GAL	GALLON	UC	UNDERCUT
GC	GENERAL CONTRACTOR	UG	UNDERGROUND
GLV	GLOBE VALVE	UH	UNIT HEATER
GPM	GALLON PER MINUTE	UL	UNDERWRITERS LABORATORIES LISTING
GR	GRADE	UN	UNION
GTH	GRAND TOTAL HEAT	UNO	UNLESS NOTED OTHERWISE
GV	GATE VALVE	VT	VOLT
GYP	GYPSONIUM	VA	VALVE
H	HUMIDIFIER	VD	VOLUME DAMPER
HC	HANDICAPPED	VEL	VELOCITY
H/C	HEATING COIL	VAV	VARIABLE AIR VOLUME UNIT
HD	HOOD	W	WITH
HG	MERCURY	WB	WET BULB TEMPERATURE (DEGREE F)
HP	HORSEPOWER	WC	WATER COLUMN
HPU	HEAT PUMP UNIT	WD	WIDTH
HR	HOUR	WG	WATER GAUGE
HT	HEIGHT	WH	WALL HEATER (MECH ONLY)
HTG	HEATING	WT	WEIGHT
HVAC	HEATING, VENTILATING AND AIR CONDITIONING		



ARCHITECTURE
ENGINEERING
3680 Pleasant Hill Road
Suite 200
Duluth, Georgia 30096
p 770.622.9858
f 770.622.9535
www.hillfoleyrossi.com

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Suite 101 - Village Podiatry Centers
Sugar Hill Professional Park,
4749 Nelson Brogdon Blvd., Bldg. 300 Suite 101
Sugar Hill, GA, 30518
Owner:
DR. CLIFF JOHNSON
Phone: 678-643-1742

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SYMBOLS &
ABBREVIATIONS

M100

GRANADE ENGINEERING GROUP, LLC
Consulting Engineers
12345 Greenmont Walk • Alpharetta, Georgia 30009
Phone: 678-520-8663 GEG #20117

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