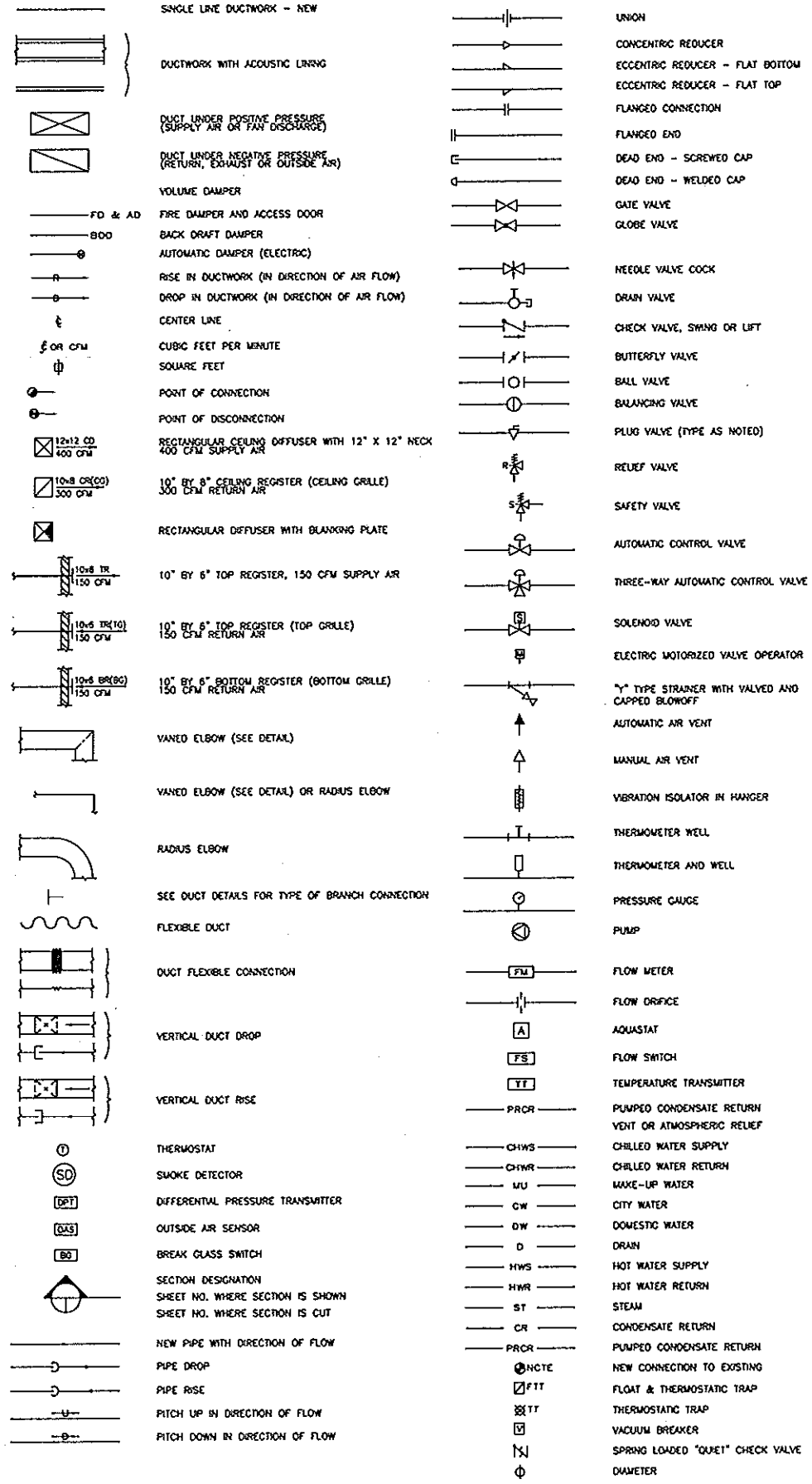


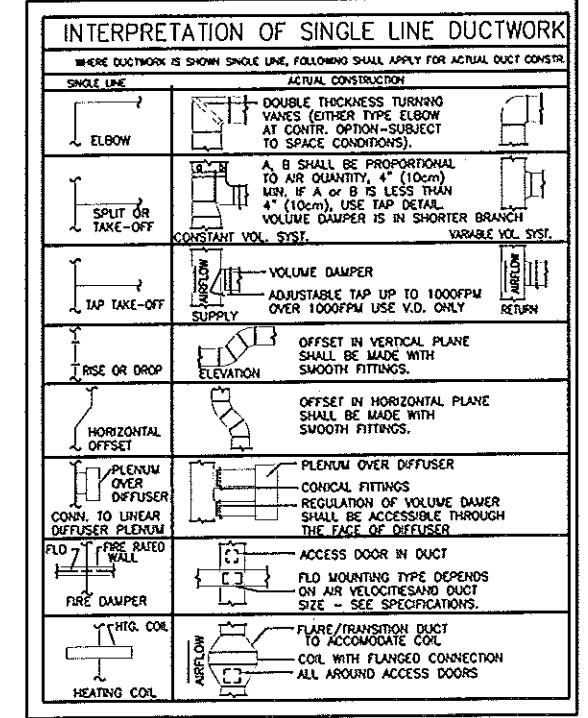
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### HVAC SYMBOLS



### HVAC ABBREVIATIONS

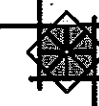
A	AMPERES	HEPA	99.99% HIGH EFFICIENCY FILTER
AC	AIR CONDITIONING	OT	OFF TOP
ACS	AUTOMATIC CONTROL SYSTEM	OB	OFF BOTTOM
ACU	AIR CONDITIONING UNIT	CV	CAPACITY INDEX (FOR CONTROL VALVE)
AD	ACCESS DOOR	RCP	RADIANT HEATING CEILING PANEL
AF	AFTER FILTER	L	LENGTH
AFB	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LBS	POUNDS
AL	ACOUSTICAL LINING	LOG	LEAVING DRY BULB TEMPERATURE
AP	ACCESS PANEL	LN FT	LINEAR FEET
BG	BOTTOM GRILLE	LWB	LEAVING WET BULB TEMPERATURE
BHP	BRAKE HORSEPOWER	LWT	LEAVING WATER TEMPERATURE
BR	BOTTOM REGISTER	MAX	MAXIMUM
BT	BOTTOM THROAT	MBH	THOUSAND BTU PER HOUR
J	BRITISH THERMAL UNIT	MER	MECHANICAL EQUIPMENT ROOM
BTUH	BTU PER HOUR	MHP	MOTOR HORSEPOWER
'C	'C	MIN	MINIMUM
CD	CEILING DIFFUSER	MOT	MOTOR
	CEILING GRILLE	NC	NORMALLY CLOSED
	CHILLER	NIC	NOT IN CONTRACT
	CHILLED WATER PUMP	NO	NORMALLY OPEN
		NO.	NUMBER
		NPSH	NET POSITIVE SUCTION HEAD
		NTS	NOT TO SCALE
		OA	OUTSIDE AIR
		OA1	OUTSIDE AIR INTAKE
		OD	OUTSIDE DIAMETER
		OV	OUTLET VELOCITY
		PD	PRESSURE DROP
		PSI	POUNDS PER SQUARE INCH
		PSIA	PSI ABSOLUTE
		PSIG	PSI GAUGE
		R	RISE
		RA	RETURN AIR
		RAD	RADIATION
		RH	RELATIVE HUMIDITY
		RM	ROOM
		ROT	ROTATION
		RPM	REVOLUTIONS PER MINUTE
		SF	SUPPLY FAN
		SLO	STRIPLINE DIFFUSER
		SP	STATIC PRESSURE
		SPEC	SPECIFICATION
		SS	STAINLESS STEEL
		T	THROAT
		TDH	TOTAL DYNAMIC HEAD
		TEMP	TEMPERATURE
		TG	TOP GRILLE
		TR	TOP REGISTER
		TRG	TRANSFER GRILLE
		TS	TOP SPEED
		TT	TOP THROAT
		TYP	TYPICAL
		TX	TOILET EXHAUST
		UH	UNIT HEATER
		VD	VOLUME DAMPER
		W	WIDTH
		W/	WITH
		W/O	WITHOUT
		WB	WET BULB
		WC	WATER COLUMN
		WG	WATER GAUGE
		WRE W/	WIRE W/
DN	DOWN		
DWG	DRAWING		
EAT	ENTERING AIR TEMPERATURE		
EDB	ENTERING DRY BULB TEMPERATURE		
EF	EXHAUST FAN		
EL	ELEVATION		
ELEC	ELECTRIC		
EQ	EQUAL		
EWB	ENTERING WET BULB		
EWY	ENTERING WATER TEMPERATURE		
EXH	EXHAUST		
'F	DEGREES FAHRENHEIT		
FAI	FRESH AIR INTAKE		
FC	FLEXIBLE CONNECTION		
FD	FIRE DAMPER		
FG	FINISHED GRADE		
FIN FL	FINISHED FLOOR		
FLA	FULL LOAD AMPERES		
FPI	FINS PER INCH		
FPM	FEET PER MINUTE		
FPS	FEET PER SECOND		
FT	FEET		
FTR	FINNED TUBE RADIATION		
G	GAUGE		
GAL	GALLON		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
H	HEIGHT		
HC	HEATING COIL		
HD	HEAD		
H&V	HEATING AND VENTILATING		
HV	HIGH VELOCITY		
HWS	HEATING HOT WATER SUPPLY		
HWR	HEATING HOT WATER RETURN		
HZ	FREQUENCY		
IN	INCH OR INCHES	ST	STEAM
IPS	IRON PIPE SIZE	CR	CONDENSATE RETURN
KW	KILOWATT	PRCR	PUMPED CONDENSATE RETURN
DS	DRIP STATION	SH	STEAM HUMIDIFIER
F&T	FLOAT & THERMOSTATIC TRAP	MD	MOTORIZED DAMPER
ASCV	AUTOMATIC STEAM CONTROL VALVE	FSD	FIRE SMOKE DAMPER
AWCV	AUTOMATIC WATER CONTROL VALVE	AVV	AUTOMATIC AIR VENT
		DDC	DIRECT DIGITAL CONTROLS



SHEET METAL DUCTWORK		
MATERIAL	BEST BLOOM GALVANIZED IRON	
U.S. STANDARD GAUGES	RECTANGULAR DUCT IN INCHES	ROUND DUCT DIAMETER INCHES
22	UP TO 30"	UP TO 22"
20	31" TO 54"	23" TO 36"
18	55" TO 84"	37" TO 50"
16	85" AND OVER	51" TO 60"

NOTES: CONSTRUCTION OF DUCTS SHALL CONFORM WITH THE LATEST REQUIREMENTS OF THE LATEST GUIDE AND DATA BOOK ON EQUIPMENT, PUBLISHED BY SWACNA

No.	Date	Revision


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Project No:	0919	Project:	BAR-UL ISLAM HOUSE OF WORSHIP (MOSQUE)
Date:	December, 02, 2010	Drawn By:	Y.A.
Checked By:	NA	Scale:	As Noted
Lot:	"	Block:	"

Drawing No: **M-1**  
 Nassir Altmashbar, RA  
 NJ Lic. # 16036  
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