

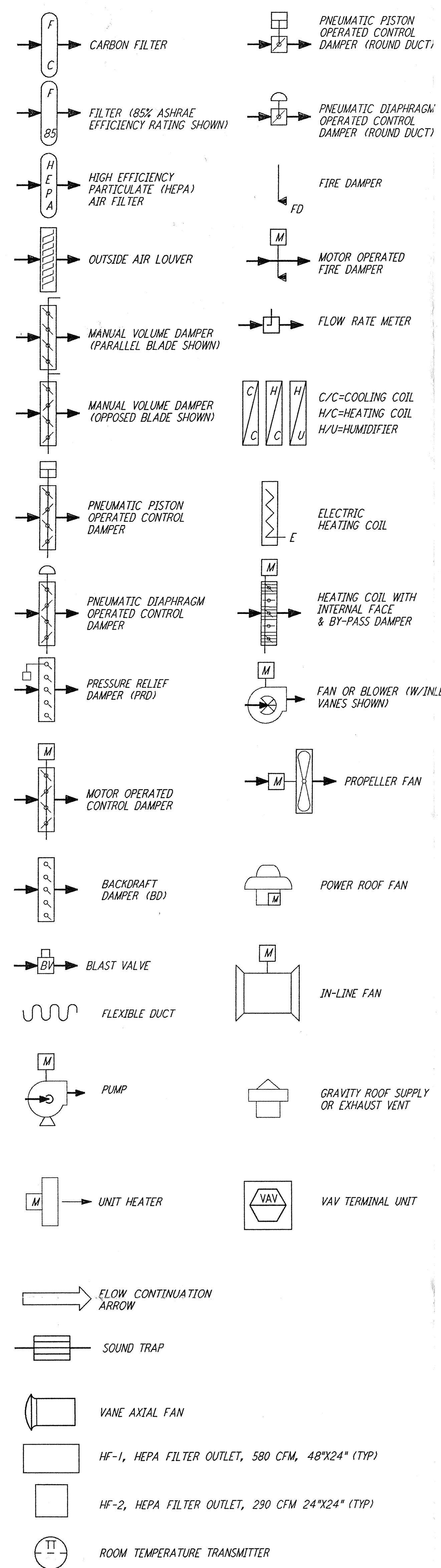
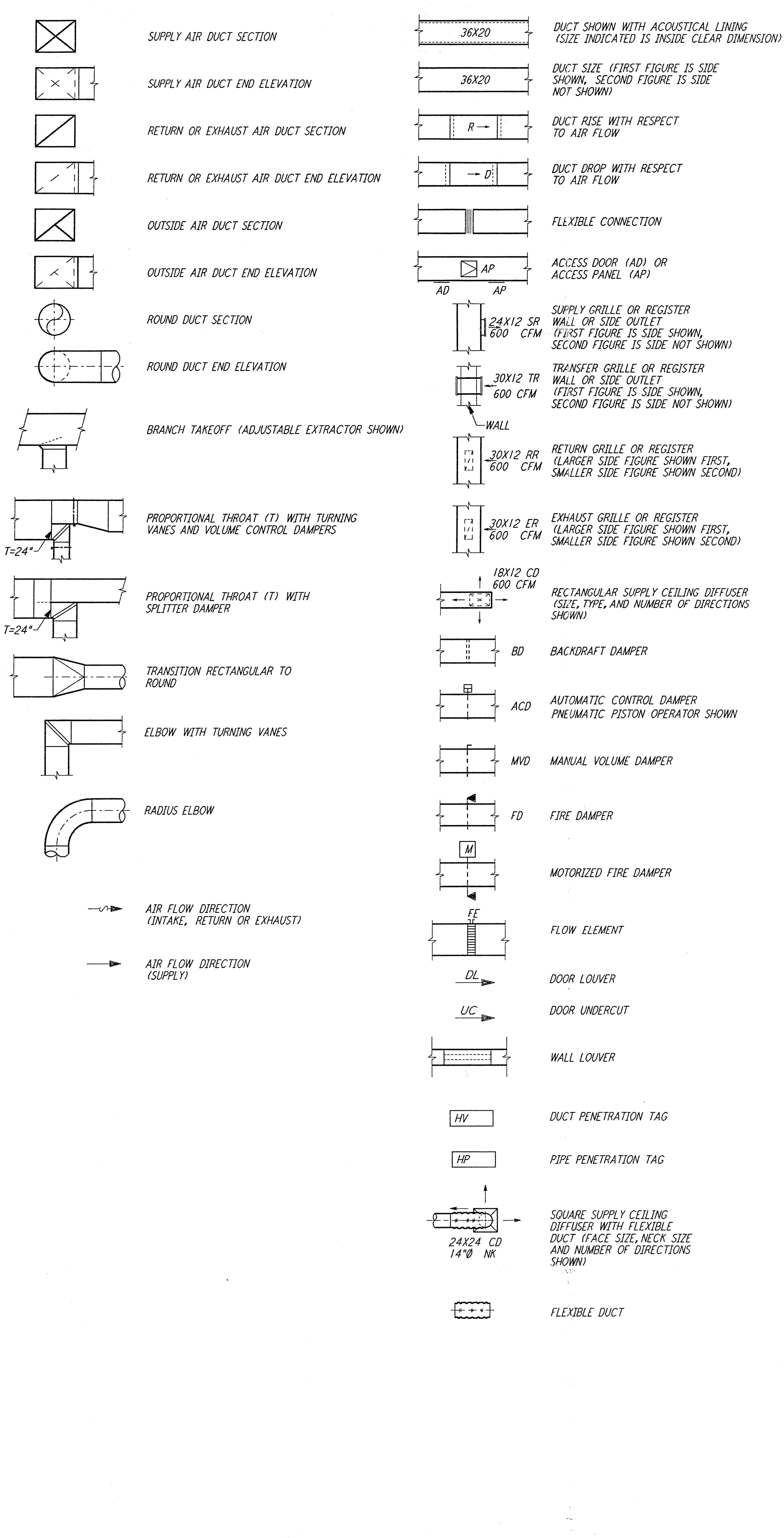
HEATING, VENTILATING AND AIR CONDITIONING LEGEND, SYMBOLS AND ABBREVIATIONS

DOUBLE LINE

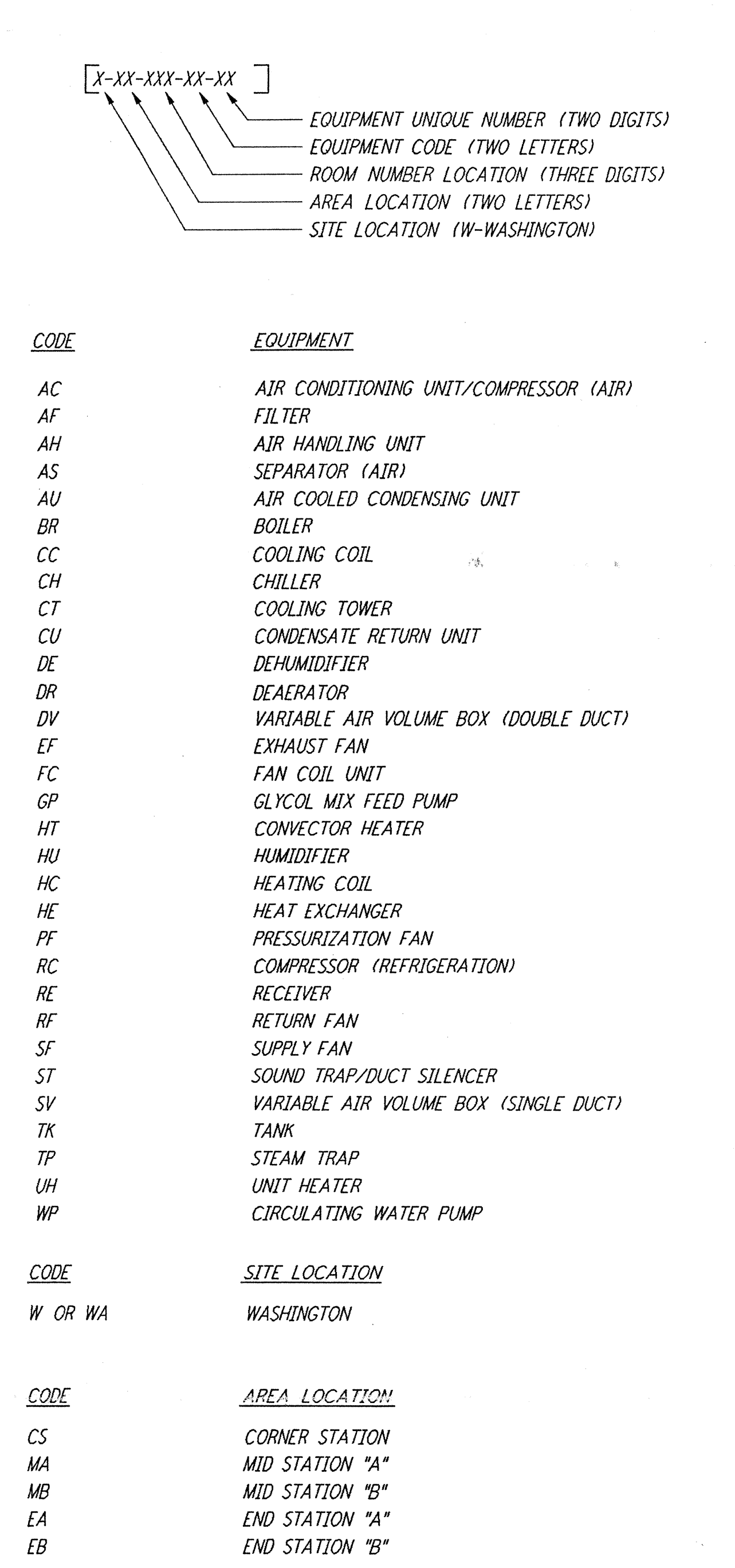
SINGLE LINE

ABBREVIATIONS

EQUIPMENT IDENTIFICATION



ABBREV	WORD OR TERM	ABBREV	WORD OR TERM
ABV	ABOVE	INCH	INCH
AC	AIR CONDITIONING	INSTR	INSTRUMENT
ACFM	ACTUAL CUBIC FEET PER MINUTE	INSUL	INSULATION
ACH	AIR CHANGES/HR	IN W/C	INCHES WATER COLUMN
AFF	ABOVE FINISHED FLOOR	IN WG	INCHES WATER GAUGE
AFMS	AIR FLOW MEASURING STATION	KW	KILOWATT
AI	ANALOG IN	L	LONG
AO	ANALOG OUT	LB	POUND
APPROX	APPROXIMATE	LG	LEVEL GAUGE
ARCH	ARCHITECTURAL	LGTH	LENGTH
ATM	ATMOSPHERE	LRA	LOCKED ROTOR AMPERES
AUTO	AUTOMATIC	LVG	LEAVING
BD	BACKDRAFT DAMPER	MAIN	MAINTENANCE
BEL	BELOW	MAX	MAXIMUM
BF	BOTTOM FLAT	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
BHP	BRAKE HORSEPOWER	MCC	MOTOR CONTROL CENTER
BLDG	BUILDING	MECH	MECHANICAL
BOB	BOTTOM OF DUCT	MFR	MANUFACTURER
BOB	BOTTOM OF GRILLE	MIN	MINIMUM
BOL	BOTTOM OF LOUVER	MTD	MOUNTED
BOP	BOTTOM OF PIPE	MTG	MOUNTING
BOR	BOTTOM OF REGISTER	MTR	MOTOR
BOU	BOTTOM	NC	NORMALLY CLOSED
BTU/H	BRITISH THERMAL UNITS PER HOUR	NEG	NEGATIVE
CL	CENTER LINE	NIC	NOT IN CONTRACT
*C	DEGREES CENTIGRADE	NK	NECK
C	COMPRESSED AIR	NO	NORMALLY OPEN
CAP	CAPACITY	NO. (*)	NUMBER
CCMS	CENTRAL CONTROL MONITORING SYSTEM	NTS	NOT TO SCALE
CCW	COUNTERCLOCKWISE	OA	OUTSIDE AIR
CD	CEILING DIFFUSER	OPD	OPPOSED BLADE DAMPER
CFH	CUBIC FEET PER HOUR	OC	ON CENTER
CFM	CUBIC FEET PER MINUTE	OD	OUTSIDE DIAMETER
CG	CEILING GRILLE	ODP	OPEN DRIP PROOF
CHR	CHILLED WATER RETURN	OPR	OPERATING / OPERATOR
CHS	CHILLED WATER SUPPLY	OPNG	OPENING
CLG	CENTRIFUGAL	ORD	ORDER
COL	COLUMN	PD	PRESSURE DROP
CONC	CONCRETE	PENET	PENETRATIONS
COND	CONDENSATE	PF	PREFILTER
CONV	CONVECTION	PH	PHASE
CONT	CONTINUATION OR CONTROL	PL	PLATE
CR	CEILING REGISTER/CONDENSATE RETURN	PNEU	PNEUMATIC
CS	CARBON STEEL (GALVANIZED)	PNL	PANEL
CW	CLOCKWISE	POC	POINT OF CONNECTION
CWS	CONDENSER WATER RETURN	POS	POSITIVE
CWS	CONDENSER WATER SUPPLY	PRESS	PRESSURE
D	DRAIN	PSIG	POUNDS PER SQUARE INCH GAUGE
DA	DIRECT ACTING	PSID	PRESSURE DIFFERENTIAL
DCC	DIRECT DIGITAL CONTROL	QTY	QUANTITY
DDCP	DIRECT DIGITAL CONTROL PANEL	R	ROWS
DET	DETAIL	RA	RETURN AIR
DISCH	DIGITAL IN DISCHARGE	RD	REFRIGERANT DISCHARGE
DN	DOWN	REF	REFERENCE
DO	DIGITAL OUT	REG	REGISTER
DP	DRIIP PROOF	REQD	REQUIRED
DWG	DRAWING	RET	RETURN
Ø/DIA	DIAMETER	RIGT	REFRIGERANT
EA	EACH	RH	RELATIVE HUMIDITY
EFF	EFFICIENCY	RHC	REHEAT COIL
EG	EXHAUST GRILLE	RLA	REFRIGERANT LIQUID
EL	ELEVATION	RL	RATED LOAD AMPERES
ELB	ELBOW	RM	ROOM
ELECT	ELECTRICAL	RPM	REVOLUTIONS PER MINUTE
ENT	ENTERING	RR	RETURN REGISTER
EP	EXPLOSION PROOF	RS	REFRIGERANT SUCTION
EQUIP	EQUIPMENT	RV	REFRIGERANT VENT
ESP	EXHAUST REGISTER	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SCFM	STANDARD CUBIC FEET PER MINUTE
EXFIL	EXFILTRATION	SCHED	SCHEDULE
EXH	EXHAUST	SD	SMOKE DETECTOR
*F	DEGREES FAHRENHEIT	SEC	SECONDARY
*F DB	DEGREES FAHRENHEIT, DRY BULB (AIR)	SF	SUPPLY FAN
*F WB	DEGREES FAHRENHEIT, WET BULB (AIR)	SG	SUPPLY GRILLE
FC	FAIL CLOSED	SHT	SHEET
FD	FIRE DAMPER	SL	SOUND LINING
FIN	FINISHED	SP	STATIC PRESSURE
FL	FAIL LOCKED	SPEC	SPECIFICATION
FLA	FULL-LOAD AMPERES	SR	SUPPLY REGISTER
FLEX	FLEXIBLE	SS	STAINLESS STEEL
FLG	FLANGE	STD	STANDARD
FLR	FLOOR	STL	STEEL
FLTR	FILTER	STM	STEAM
FO	FAIL OPEN	STRUCT	STRUCTURAL
FP	FIRE PROTECTION	SV	SOLENOID VALVE
FP1	FINS PER INCH	SW	SWITCH
FFM	FEET PER MINUTE	TA	THROW AWAY
FT	FEET	TEFC	TOTALLY ENCLOSED FAN COOLED
FT ²	SQUARE FEET	TEMP	TEMPERATURE
FT ³	CUBIC FEET	TG	TRANSFER GRILLE
FURN	FURNISHED	TOC	TOP OF CONCRETE
FWD CVR	FORWARD CURVED	TOP	TOP OF DUCT
GA	GALVE	TOS	TOP OF STEEL
GALV	GALVANIZED	TR	TRANSFER REGISTER
GFE	GOVERNMENT FURNISHED EQUIPMENT	TRANSF	TRANSFER
GPM	GALLONS PER MINUTE	TSP	TOTAL STATIC PRESSURE
H	HIGH	TYP	TYPICAL
HD	HEAD	UC	UNDERCUT DOOR
HDR	HEADER	UG	UNDERGROUND
HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER	UV	UNIT VENTILATOR
HE	HEPA FILTER OUTLET	V	VENT
HOA	HAND/OFF/AUTO	VEL	VELOCITY
HORIZ	HORIZONTAL	VERT	VERTICAL
HP	HORSEPOWER	VFD	VARIABLE FREQUENCY DRIVE
HR	HOUR	VIV	VARIABLE INLET VANES
HT	HEIGHT	W	WITH
HTG	HEATING	W/C	WATER COLUMN
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	WG	WATER GAUGE
HWR	HEATING HOT WATER RETURN	WK	WORK
HWS	HEATING HOT WATER SUPPLY	WN	WELD NECK
HZ	HERTZ	WP	WORKING POINT
ID	INSIDE DIAMETER	WT	WEIGHT
I.E.	THAT IS	WTR	WATER



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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	4-19-96	CLP	ME	##	##	FINAL DESIGN REVIEW & BID
A	10-31-95	CLP	ME	AA	TDM	PRELIMINARY DESIGN REVIEW

DRAWN	CLP
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SCALE	
CONTRACT NUMBER	
PROJECT NUMBER	
SHEET NUMBER	
REVISIONS	

100 WEST WALNUT STREET
PASADENA, CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
HVAC LEGEND & ABBREVIATIONS	NONE	PP150969	8094
SHEET NUMBER	WA-H-001		REVISIONS

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