MECHANICAL

ABBREVIATIONS

	A
A	COMPRESSED AIR LINE
AAV	AUTOMATIC AIR VENT
AC	AIR COMPRESSOR
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN, ACCESS DOOR, AIR DRYER
AFMS	AIR FLOW MEASURING STATION
AH	AIR HANDLER
AIF	AIR INTAKE FILTER
AS	AIR SEPARATOR
ATB	AIR TERMINAL BOX
AV	ACID VENT
AW	ACID WASTE
	B
B	BOILER
BD	BACKDRAFT DAMPER, BLOWDOWN
BF	BLIND FLANGE
BFP	BACK FLOW PREVENTER
BFV	BUTTERFLY VALVE
BFW	BOILER FEED WATER
BHP	BRAKE HORSE POWER
BLO	BLOWER
BLV	BALANCING VALVE
BTU	BRITISH THERMAL UNIT
BTU/H	BRITISH THERMAL UNIT PER HOUR
BV	BALL VALVE
BWP	BACK WATER PREVENTER
BWV	BACK WATER VALVE
	C
CA	COMBUSTION AIR, COMPRESSED AIR
CC	COOLING COIL
CD	CONTROL DAMPER, CEILING DIFFUSER
CENT	CENTRIFUGAL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CH	CHILLER
CI	CAST IRON
CIR	CIRCULATING
CO	CLEAN OUT
COMB	COMBUSTION AIR
COND	CONDENSATE
CR	CEILING REGISTER
CTR	COOLING TOWER WATER RETURN
CTS	COOLING TOWER WATER SUPPLY
CU	CONDENSING UNIT
CV	CONTROL VALVE, CONSTANT VOLUME
CW	DOMESTIC COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLER WATER SUPPLY
CWV	COMBINATION WASTE AND VENT
	D
D	DIFFUSER, DAMPER
DB	DRY BULB
DOM	DOMESTIC
DT	DRAIN TILE
	E
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EHU	ELECTRONIC HUMIDIFIER
ELL	ELBOW
EP	EXHAUST PIPE
ER	EXHAUST REGISTER
ES	EXHAUST SILENCER
ESP	EXTERNAL STATIC PRESSURE
	F
F	FILTER
FCV	FLOW CONTROL VALVE
FCO	FLOOR CLEANOUT
FD/SD	COMBINATION FIRE AND SMOKE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FDR	FEEDER
FEPC	FRONT END PERSONAL COMPUTER
FI	FLANGE INSULATION
FIXT	FIXTURE
FLD	FUNNEL DRAIN
FLEX	FLEXIBLE
FLG	FLANGE
FM	FLOW METER
FOL	FUEL OIL LEVEL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FRP	FIBER GLASS REINFORCED PLASTIC
	G
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRILLE
GRV	GRAVITY VENT
GV	GATE VALVE
GW	GLYCOL WASTE
GWH	GAS WATER HEATER
	H
HC	HEATING COIL
HE	HEAT EXCHANGER
HERM	HERMETIC
HP	HIGH PRESSURE
HPS	HIGH PRESSURE STEAM
HTG	HEATING
HTP	HOT TAP
HTR	HEATER
HU	HUMIDITY
HW	DOMESTIC HOT WATER
HWL	HIGH WATER LEVEL
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
	I
ID	INDIRECT DRAIN
IW	INDUSTRIAL COLD WATER
	J
JKT	JACKET
JW	JACKET WATER
JWR	JACKET WATER RETURN
JWS	JACKET WATER SUPPLY
	L
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LB/HR	POUND PER HOUR
LCV	LEVEL CONTROL VALVE
LDP	LEAK DETECTION PANEL
LO	LUBRICATING OIL
LPS	LOW PRESSURE STEAM
LR	LONG RADIUS
LWL	LOW WATER LEVEL
	M
MAN	MANIFOLD, MANUAL
MBH	THOUSAND BTU PER HOUR
MPG	MEDIUM PRESSURE GAS
MS	MOP SINK
MVD	MOTORIZED VOLUME DAMPER
	N
N	NECK
	O
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OS&Y	OUTSIDE SCREW AND YOKE
	P
PD	PRESSURE DROP
PHC	PREHEAT COIL
PI	PRESSURE INDICATOR
POC	POINT OF CONTACT
PRV	PRESSURE REDUCING VALVE, POWER ROOF VENTILATOR
PSV	PRESSURE SAFETY VALVE
PTRV	PRESSURE-TEMPERATURE RELIEF VALVE
PV	PLUG VALVE
	R
RA	RETURN AIR
RED	REDUCER
REG	REGISTER
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY, RELIEF HOOD
RHC	REHEAT COIL
RL	RAIN LEADER
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RV	REFRIGERANT VENT
	S
SA	SUPPLY AIR
SF	SUPPLY FAN
SMD	SMOKE DETECTOR
SOV	SOLENOID OPERATED VALVE, SHUT-OFF VALVE
SP	SUMP PUMP, STATIC PRESSURE
SS	SANITARY SEWER
SSD	SUB SOIL DRAIN
	T
T	THROAT
TA	TRANSFER AIR
TD	THERMAL DETECTOR
TG	TRANSFER GRILLE
TR	TOP REGISTER
TW	THERMOWELL
	U
UG	USED GLYCOL
UH	UNIT HEATER
UV	UNIT VENTILATOR
	V
V	VENT, SANITARY VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VC	VACUUM CLEANING
VCP	VITRIFIED CLAY PIPE
VD	VOLUME DAMPER
VIV	VARIABLE INLET VOLUME
WB	WET BULB
WCO	WALL CLEANOUT
WG	WATER GAGE
WHA	WATER HAMMER ARRESTOR
WO	WASTE OIL
WSP	WET STANDPIPE

MECHANICAL LEGEND

PLUMBING

SYMBOL	ABBREVIATION	DESCRIPTION
	A	COMPRESSED AIR LINE
	CW	DOMESTIC COLD WATER
	CW&V	COMBINATION WASTE & VENT ABOVE FLOOR OR GRADE
	CW&V	COMBINATION WASTE & VENT BELOW FLOOR OR GRADE
	F	FIRE LINE
	G	NATURAL GAS (LOW PRESSURE)
	HW	DOMESTIC HOT WATER SUPPLY
	HWR	DOMESTIC HOT WATER RETURN
	ID	INDIRECT DRAIN
	IW	INDUSTRIAL COLD WATER
	MPG	MEDIUM PRESSURE NATURAL GAS
	ORL	OVERFLOW RAIN LEADER ABOVE FLOOR OR GRADE
	ORL	OVERFLOW RAIN LEADER BELOW FLOOR OR GRADE
	RL	RAIN LEADER ABOVE FLOOR OR GRADE
	RL	RAIN LEADER BELOW FLOOR OR GRADE
	SD	STORM DRAIN ABOVE FLOOR OR GRADE
	SD	STORM DRAIN BELOW FLOOR OR GRADE
	SSD	SUB-SOIL DRAIN
	SS/W	SANITARY SEWER/WASTE ABOVE FLOOR OR GRADE
	SS/W	SANITARY SEWER/WASTE BELOW FLOOR OR GRADE
	V	SANITARY VENT
	VC	VACUUM CLEANING ABOVE FLOOR OR GRADE
	VC	VACUUM CLEANING BELOW FLOOR
	WSP	WET STANDPIPE
	WHA	WATER HAMMER ARRESTER
		DIRECTION OF FLOW
		ANCHOR
	RBFP	REDUCED PRESSURE BACKFLOW ASSEMBLY
	BFP	BACKFLOW PREVENTER
		FLUID FLOW DIRECTION
		PIPE TURNING UP
		PIPE TURNING DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		CAPPED PIPE/OUTLET
		PLUGGED PIPE/OUTLET
	ES	EMERGENCY SHOWER AND EYEWASH
		RUNNING TRAP
	BV	BALL VALVE
	GV	GATE VALVE
	AV	ANGLE VALVE
	GLV	GLOBE VALVE
	CV	CHECK VALVE
	PRV	PRESSURE REGULATING VALVE
	P/TRV	PRESSURE / TEMPERATURE RELIEF OR SAFETY VALVE
	U	UNION
	HB/WH	HOSE BIBB OR WALL HYDRANT
	FS	FLOOR SINK

PLUMBING

SYMBOL	ABBREVIATION	DESCRIPTION
	FD	FLOOR DRAIN
	OFD	OVERFLOW ROOF DRAIN
	RD	ROOF DRAIN
	FLD	FUNNEL DRAIN, OPEN
	WCO	WALL CLEANOUT OR CLEANOUT PLUG
	FCO	FLOOR CLEANOUT
	CP	CIRCULATING PUMP
	BV	BALANCING VALVE
	GC	GAS COCK
	PV	PLUG VALVE
	FDC	FIRE DEPARTMENT CONNECTION
	SV	SOLENOID VALVE
	OS&Y	OUTSIDE SCREW AND YOKE

G06

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
DAVID M. PFUNDT
79558
REGISTERED PROFESSIONAL ENGINEER
6-22-01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ABBREVIATIONS AND LEGEND
MECHANICAL

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: 10/20/01 — SYSTEMS ENGINEER, ANI-630
APPROVED: 10/23/01 — MANAGER INFRASTRUCTURE PLATFORM, ANI-630

DESIGNED: F. SCHWALL
REVIEWED: D. PFUNDT
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
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