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ABBREVIATIONS

ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWB	ENTERING WET BULB TEMPERATURE
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
EXH	EXHAUST
F&I	FURNISH AND INSTALL
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER W/ AD
FD	FLOOR DRAIN
FHV	FIRE HOSE VALVE
FLEX	FLEXIBLE DUCT
FS	FLOOR SINK
F/SD	COMB. FIRE/SMOKE DAMPER W/ AD
FT	FEET
G	GAS
GALV	GALVANIZED
GA VA	GATE VALVE
GL VA	GLOBE VALVE
GR/GS	GLYCOL RETURN / SUPPLY
GW	GREASE WASTE BELOW GRADE
H	HIGH, HEIGHT
HW	DOMESTIC HOT WATER
HWR/HWS	HEATING WATER RETURN / SUPPLY
IN	INCHES
INSUL	INSULATION, INSULATE
K.E.S.	KITCHEN EQUIPMENT SUPPLIER
L	LONG, LENGTH
MAX	MAXIMUM
MIN	MINIMUM
MTD	MOUNTED
MTG HT	MOUNTING HEIGHT
MVD	MOTORIZED VOLUME DAMPER
OA	OUTSIDE AIR
OH	OVERHEAD
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PH	PHASE
RA	RETURN AIR
RD	ROOF DRAIN, ROOF DRAIN LEADER
RED	REDUCER
REFR	REFRIGERANT
RELOC	RELOCATE, RELOCATED
REQ'D	REQUIRED
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
S	SOFTENED WATER
SA	SUPPLY AIR
SAN	SOIL & WASTE MAIN, SITE
SD	SMOKE DAMPER W/ AD; STORM DRAIN
SM	GALVANIZED SHEET METAL
SP	STATIC PRESSURE, IN. H ₂ O
SS	SANITARY SEWER BELOW GRADE
SS	STAINLESS STEEL
T&P	TEMPERATURE / PRESSURE RELIEF VALVE
TEMP	TEMPERATURE
THK	THICK, THICKNESS
T-STAT	THERMOSTAT
TYP	TYPICAL
UNON	UNLESS OTHERWISE NOTED
V	SANITARY VENT
V	VOLT
VD	VOLUME DAMPER
W	WATT
W	WIDE, WIDTH
W	SANITARY SOIL/WASTE
W	WITH
WCO	WALL CLEANOUT
WIN	WITHIN
WIOUT	WITHOUT
YCO	YARD CLEANOUT

LEGEND (NOTE: ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)

	DUCTWORK AND TRANSITION. 1ST DIMENSION NOTED IS VISIBLE DIMENSION.
	EXISTING DUCTWORK.
	EXISTING DUCTWORK TO BE REMOVED.
	DUCTWORK SPLITTER DAMPER.
	BRANCH TAKEOFF FROM DUCT W/ VOLUME DAMPER AT EA TAKEOFF, EVEN IF VOLUME DAMPER IS NOT SHOWN.
	DUCTWORK: CEILING S/A DIFFUSERS. THROW IS FOUR-WAY UNON. WHERE SHOWN, ARROWS INDICATE DIRECTIONS OF THROW REQUIRED.
	ELBOW UP OR DOWN IN DUCTWORK.
	DUCTWORK: RISE (R) OR FALL (F) IN DIRECTION OF AIR FLOW.
	HVAC EQUIPMENT.
	FLEXIBLE CONNECTIONS.
	WALL SUPPLY AIR REGISTER
	WALL RETURN AIR GRILLE
	CEILING SUPPLY AIR DIFFUSER.
	CEILING RETURN OR EXHAUST AIR DEVICE.
	SUPPLY OR OUTSIDE AIR DUCTWORK SECTION.
	RETURN OR EXHAUST AIR DUCTWORK SECTION.
	FIRE DAMPER W/ ACCESS DOOR.
	COMB. FIRE/SMOKE DAMPER W/ ACCESS DOOR.
	THERMOSTAT, TEMPERATURE SENSOR
	HUMIDISTAT, HUMIDITY SENSOR
	AIR DEVICE MARK, CFM, RE, SCHEDULE.
	PT. OF CONN., NEW TO EXIST DUCT/PIPE.
	CAP, POINT OF CONNECTION, POINT OF REMOVAL
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	BALL VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	AUTOMATIC FLOW CONTROL VALVE
	MOTOR OPERATED VALVE
	SOLENOID OPERATED VALVE
	STRAINER W/ BLOWDOWN GATE VALVE
	VALVE IN VERTICAL
	TEMPERATURE/ PRESSURE RELIEF VALVE
	CIRCUIT SETTER
	PETE'S PLUG

GENERAL NOTES

- GENERAL NOTES APPLY TO ALL MECHANICAL SHEETS.
- NORMAL DESIGN CONDITIONS: SUMMER - OUTSIDE: 97°F DB, 75°F WB. INSIDE: 75°F DB, 50% RH; WINTER - OUTSIDE: 25°F; INSIDE: 72°F.
- INSTALL THE WORK IN ACCORDANCE WITH ALL APPLICABLE CODES. APPROVING AUTHORITY: CITY OF BOERNE.
- IN ANY CASE WHERE A PIPE OR DUCT SHOWN ON A PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC OR DETAIL, USE THE LARGER OF THE TWO SIZES SHOWN.
- PIPING AND DUCTWORK SHOWN ON EACH PLAN IS RUN ABOVE THE CEILING ON THE FLOOR WHERE IT IS SHOWN UNON, EXCEPT SANITARY PIPING IS RUN BELOW THE FLOOR WHERE IT IS SHOWN UNON.
- THE DRAWINGS ARE DIAGRAMMATIC ONLY; DO NOT SCALE. COORD. W/ OTHER TRADES AND W/ EXIST. CONDITIONS. DO NOT INSTALL OR FABRICATE ANY WORK SHOWN UNTIL ALL SUCH WORK IS FULLY COORDINATED. NOT ALL OFFSETS AND FITTINGS ARE SHOWN. F&I OFFSETS AND FITTINGS AS REQ'D BY FIELD CONDITIONS AS PART OF THE WORK.

ABBREVIATIONS

A	AMPERES
AD	ACCESS DOOR
AD	AUXILIARY DRAIN
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ARCH	ARCHITECT, ARCHITECTURAL
AW	ACID WASTE
BA VA	BALL VALVE
BF VA	BUTTERFLY VALVE
BFF	BELOW FINISHED FLOOR
BTUH	BRITISH THERMAL UNITS PER HOUR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHR/CHS	CHILLED WATER RETURN / SUPPLY
CONT	CONTINUATION
COORD	COORDINATE
CU	CONDENSING UNIT
CW	DOMESTIC COLD WATER
CWR/CWS	CONDENSER WATER RETURN / SUPPLY
D	CONDENSATE DRAIN LINE, EQUIPMENT DRAIN
DEG F	DEGREES FAHRENHEIT
DHWR	DOMESTIC HOT WATER RETURN
DIA	DIAMETER
DN	DOWN
E	EXISTING TO REMAIN
EA	EACH
EDB	ENTERING DRY BULB TEMPERATURE
EDF	ELECTRIC DRINKING FOUNTAIN
EF	EXHAUST FAN