MECHANICAL LEGEND

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- PERFORATED RETURN AIR PANEL
- OR — DIRECTIONAL AIR FLOW
- MANUAL VOLUME DAMPER
- SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
- RETURN AIR DUCT UP & DOWN
- EXHAUST AIR DUCT UP & DOWN
- SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
- RETURN AIR DUCT UP & DOWN
- EXHAUST AIR DUCT UP & DOWN
- VAV TERMINAL UNIT
- VVT TERMINAL UNIT
- (E) — EXISTING
- CONNECT TO EXISTING
- T AC-4 — THERMOSTAT OR TEMP. SENSOR
- ? — NOTE
- XX ? — EQUIPMENT DESIGNATOR
- BALL VALVE
- GATE VALVE
- CHECK VALVE
- BALANCING VALVE
- THERMOMETER
- DIRECTION OF FLOW
- PUMP
- STRAINER
- PRESSURE GAUGE
- PETE'S PLUG
- DOUBLE CHECK ASSEMBLY
- PRESSURE REDUCING VALVE
- UNION
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- CAP
- S — SMOKE DETECTOR
- MOTORIZED DAMPER

AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
B.D.	BOTTOM OF DUCT
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNITS
CFM	CUBIC FEET PER MINUTE
CONN.	CONNECTION
CONT.	CONTINUATION
CW	DOMESTIC COLD WATER
DB	DRY BULB
DIA.	DIAMETER
DIST.	DISTRIBUTION
EA	EXHAUST AIR
EDB	ENTERING DRY BULB TEMPERATURE
EWB	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
FF	FINISH FLOOR
FIXT.	FIXTURE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT.	FEET / FOOT
GA.	GAUGE
GPM	GALLONS PER MINUTE
H	HEIGHT
HP	HORSEPOWER
I.D.	INSIDE DIAMETER
IN.	INCHES
L	LENGTH
LBS.	POUNDS
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX.	MAXIMUM
MBH	THOUSANDS OF BTUs PER HOUR
MIN.	MINIMUM
NC	NOISE CRITERIA
N.C.	NORMALLY CLOSED
N.I.M.	NOT IN MECHANICAL
NO.	NUMBER
N.O.	NORMALLY OPEN
O.A.	OUTSIDE AIR
P	PERSON
PSI	POUNDS PER SQUARE INCH
P/T	PRESSURE / TEMPERATURE
R.A.	RETURN AIR
RECT.	RECTANGULAR
REQ'D	REQUIRED
S.A.	SUPPLY AIR
S.P.	STATIC PRESSURE
SQ.	SQUARE
TEMP.	TEMPERATURE
TYP.	TYPICAL
VAV	VARIABLE AIR VOLUME
W	WIDTH
WB	WET BULB
WPD	WATER PRESSURE DROP
ø	DIAMETER

- (E) EXISTING
- (D) DEMOLISH
- NEW WORK
- HWS — (HWS) HEATING WATER SUPPLY
- HWR — (HWR) HEATING WATER RETURN
- CS — (CS) CONDENSER SUPPLY
- CR — (CR) CONDENSER RETURN
- CWS — (CWS) CHILLED WATER SUPPLY
- CWR — (CWR) CHILLED WATER RETURN

COOLING TOWER

MARK NUMBER	CT 1
NOMINAL TONS	160 T
GPM	480 GPM
ENT. WATER (° F.)	90°F
LVG. WATER (° F.)	80°F
AMBIENT WET BULB (°F.)	70 °F
NUMBER OF FAN MOTORS	2
FAN MOTOR (HP EACH)	5 HP
VFD	YES
EVAP. WATER RATE @ FULL LOAD	3.84 GPM
BLOW DOWN RATE (GPM)	0.5 GPM
OPERATING WEIGHT (LBS)	4940 #
BASIS OF DESIGN (EVAPCO)	AT-14-3G12

NOTES:
1. PROVIDE UNIT WITH BASIN HEATER PACKAGE, VIBRATION CUTOUT SWITCH & MAKE-UP FLOAT VALVE ASSEMBLY.

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REGISTERED PROFESSIONAL ENGINEER 70996PE
Takako Baker
JULY 9, 2002
TAKAKO BAKER
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REPLACE COOLING TOWER

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Mark	Date	Description of Revision	By

Consultant Project No: 16050-16
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Approved By:
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Date: 09.12.2018

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M Sheet of TNS

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