



## City Council Staff Report

DATE: March 19, 2014 CONSENT CALENDAR

SUBJECT: APPROVE THE PURCHASE OF TWO COOLING TOWERS FROM ALLISON MECHANICAL, INC.

FROM: David H. Ready, City Manager

BY: Downtown Maintenance and Facilities Department

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### SUMMARY

The Downtown Maintenance and Facilities Department is requesting the City Council approve the purchase of two (2) new Cooling towers for the Palm Springs Public Library and the Palm Springs Leisure Center.

### RECOMMENDATION:

1. Award IFB 14-07 and approve a purchase order for the purchase of two (2) new Cooling towers from Allison Mechanical Inc., in an amount of \$53,115.70.
2. Authorize the City Manager to execute the purchase order.

### STAFF ANALYSIS:

The Downtown Maintenance and Facilities Department prepared specifications and worked closely with the Procurement Division to conduct Invitation for Bids IFB 14-07 for the purchase of two new replacement cooling towers.

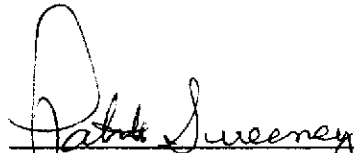
The two cooling towers will replace the existing units at the Palm Springs Public Library and the Palm Springs Leisure Center that have frequent maintenance issues and have exceeded their life expectancy.

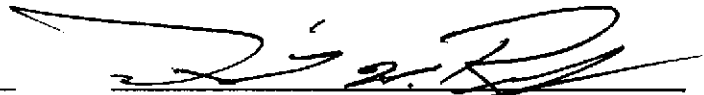
Two (2) bids were received, one of which could not meet the City specifications and the equipment was not compatible with the current structure, thus City staff found the bid received from American Cooling Tower as non-responsive.

Staff is recommending the City Council award the purchase order for the purchase and delivery of the cooling towers to the responsive low bid Allison Mechanical Inc., of Redlands, California. Facilities Maintenance staff will install the new cooling towers.

FISCAL IMPACT:

Sufficient funds for the purchase of the two new cooling towers are budgeted and appropriated in the Fiscal Year 2013-14 budget in Facilities Account No. 550-5812-54073.

  
\_\_\_\_\_  
Patrick Sweeney, Facilities Director

  
\_\_\_\_\_  
David H. Ready, City Manager

Attachments:  
Allison Mechanical Bid Documents

\*\*\*\*\*REVISED PRICING PAGE\*\*\*\*\*

BID NO. 14-07  
BID COST PROPOSAL PRICING FOR  
FURNISHING TWO (2) NEW BAC (OR EQUAL) COOLING TOWERS

By responding to Invitation for Bid for furnishing two (2) new (unused) BAC Model Cooling Towers

(or Equal) to the City of Palm Springs Facilities Maintenance the undersigned Bidder agrees to furnish and deliver the cooling towers in good order in accordance with the specifications and within the required time frame. I/We propose and agree to furnish and deliver the Cooling Tower in accordance with the specifications, to the City of Palm Springs, California, Facilities Maintenance Division, and will accept as full payment therefore the following amount:

ONE (1) NEW BAC MODEL PT2-D412A-161 (OR EQUAL) COOLING TOWER

EQUIPMENT PROPOSED: MANUFACTURER: BAC YEAR: 2014 MODEL PT2-D412A-161/S

Unit Price \$ 27,490<sup>00</sup> (x) Extended (x1) \$ 27,490<sup>00</sup>

9.0% CA Sales tax: \$ 2,474<sup>10</sup>

Freight Charges: \$ Ø

ONE (1) NEW BAC MODEL VNT-90D (OR EQUAL) COOLING TOWER

EQUIPMENT PROPOSED: MANUFACTURER: BAC YEAR: 2014 MODEL VNT-90D

Unit Price \$ 21,240 (x) Extended (x1) \$ 21,240<sup>00</sup>

9.0% CA Sales tax: \$ 1,911<sup>60</sup>

Freight Charges: \$ Ø

GRAND TOTAL COST: \$ 53,115.<sup>70</sup>

DELIVERY TIME: Indicate time in days, required for delivery after receipt of order (ARO).

\*Note that delivery may be a factor in award of bid.

45 DAYS ARO FOR THE SPECIFIC COOLING TOWERS BEING OFFERED ABOVE.

INDICATE LOCATION OF NEAREST AVAILABLE PARTS AND SERVICE:

Parts - Air Treatment Corp 640 N Puente St., Brea, CA  
Service - Allison Mechanical Inc, 1968 Essex Ct, Redlands, CA

It is understood and agreed that this bid may not be withdrawn for a period of ninety (90) days from the date of the opening thereof, and at no time in the case of the Successful Bidder.

**Basis of Award:**

The City reserves the right to award to the lowest responsive and responsible bidder based a grand total amount bid, or to reject all bids, as it may best serve the interests of the City. Delivery may be a factor in award.

**CHECK IF THE FOLLOWING STATEMENT APPLIES:**

\_\_\_\_\_ My firm/company is a Local Business (Licensed within the jurisdiction of the Coachella Valley). **Copy of current business license from a jurisdiction within the Coachella Valley is required to be attached to this document in order to request the Local Preference.**

**ADDENDA ACKNOWLEDGMENT:**

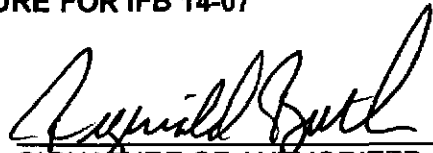
Acknowledgment of Receipt of any Addenda issued by the City for this IFB is required by including the acknowledgment with your bid. Failure to acknowledge the Addenda issued may result in your bid being deemed non-responsive.

In the space provided below, please acknowledge receipt of each Addendum:

Addendum(s) # 1 & 2 is/are hereby acknowledged

**OFFICIAL BID SIGNATURE FOR IFB 14-07**

ALISON MECHANICAL INC  
NAME OF BIDDER (PERSON, FIRM, CORP)

  
SIGNATURE OF AUTHORIZED REPRESENTATIVE

1968 ESSEX COURT  
ADDRESS

REGINALD BUTLER SENIOR PROJECT  
NAME & TITLE (PRINT OR TYPE) MANAGER

REDLANDS, CA 92373  
ADDRESS

1/9/14  
DATE

(909) 478-5633  
TELEPHONE NUMBER

(909) 478-5637  
FAX NUMBER

Exhibit A

NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

State of California )
) ss.
County of SAN BERNARDINO )

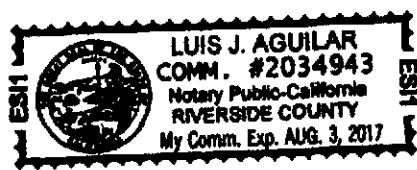
I, REGINALD BUTLER, being first duly sworn, deposes and says that he or she is SENIOR PROJ. MGR of ALLISON MECHANICAL INC the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

OFFEROR [Signature]
BY REGINALD BUTLER
TITLE SENIOR PROJECT MANAGER
ORGANIZATION ALLISON MECHANICAL INC
ADDRESS 1968 ESSEX COURT
REDLANDS, CA 92373

SUBSCRIBED AND SWORN TO BEFORE ME THIS 9th DAY OF January, 2014.
Proved to me on the basis of satisfactory evidence to be the person who appeared before me.

[Signature]
NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE

MY COMMISSION EXPIRES: Aug. 3, 2017



\*\*\*\*\*REVISED SPECIFICATION\*\*\*\*\*

IFB 14-07  
TWO (2) NEW BAC MODEL (OR EQUAL) COOLING TOWERS

II.DETAILED SPECIFICATIONS

**1. PURPOSE:** It is the City's intent to acquire two (2) new (unused) 2013 OR 2014 BAC model (or equal) cooling towers: One (1) ea. Model #PT2-D412A-161 and One (1) ea. Model #VNT-90D. Model numbers provided for reference only.

**2. DETAILED SPECIFICATIONS**

**COOLING TOWERS:** INDICATE COMPLIANCE / DEVIATION(S):  
(answer YES or NO in the space provided)

*\*If you answer NO to any of the specifications listed, please provide an explanation on a separate attachment titled "Deviation from Specifications".*

**NEW Model PT2-D412A-161(or equal) COOLING TOWERS:**

**Capacity:** 218.00 USGPM of water from 95.00 F to 85.00 F at 80.00 F entering wet bulb and 4.66 PSIG of total (static lift + spray) pump head from unit base.

No ①

**Electrical 460:** volt 3 phase 60 hertz  
Induced Draft, Counter flow Cooling Tower

YES

Unit Energy Efficiency per ASHRAE Standard 90. 1-2010

YES

CTI Certified Thermal Performance

YES

Construction consists of steel panels and structural members constructed of galvanized steel protected with thermosetting polymer and the cold water basin protected with corrosion protection system.

YES

Standard fan driven

YES

Galvanized steel fan guard

YES

PVC film wet deck material and draft eliminators

YES

Structural designed in accordance with the 2009 IBC

YES

Standard end or side inlet

YES

End outlet pump suction connection	<u>YES</u>
Strainer type 304 stainless steel	<u>YES</u>
External float valve assembly	<u>YES</u>
Mechanical vibration cutout switch	<u>YES</u>
<b><u>NEW Model VNT-90D (or equal) COOLING TOWERS:</u></b>	
Capacity: 180.00 USGPM of water from 95.00 F to 85.00 F at 80.00 F entering wet bulb and .8 PSIG of total (static lift + spray) pump head from unit base.	<u>No ②</u>
Electrical 200: volt 3 phase 60 hertz Induced Draft, Counter flow Cooling Tower	<u>No ③</u>
Unit Energy Efficiency per ASHRAE Standard 90. 1-2010	<u>YES</u>
CTI Certified Thermal Performance	<u>YES</u>
Construction consists of steel panels and structural members constructed of galvanized steel protected with thermosetting polymer and the cold water basin protected with corrosion protection system.	<u>YES</u>
Standard fan driven	<u>YES</u>
Galvanized steel fan guard	<u>YES</u>
PVC film wet deck material and draft eliminators	<u>YES</u>
Structural designed in accordance with the 2009 IBC	<u>YES</u>
Standard end or side inlet	<u>YES</u>
End outlet pump suction connection	<u>YES</u>
Strainer type 304 stainless steel	<u>YES</u>
External float valve assembly	<u>YES</u>
Mechanical vibration cutout switch	<u>YES</u>

**Note:**

All equipment cataloged as standard from the factory shall be furnished by the factory and included in the purchase price. All requested options which are not part of any standard package shall be furnished and installed by the factory unless otherwise specified, and shall also be included in the purchase price. Options which the factory is unable to furnish will be subject to approval or rejection by the City.

Supplier to include the following information in Proposal:

- Drawings indicating all dimensions, weight, connections and fan discharge.
- Full freight cost and taxes.
- Lead time and schedule of delivery.



INVITATION FOR BID (IFB 14-07)

FOR

FURNISH TWO (2) NEW COOLING TOWERS

ADDENDUM NO. 1

This Addendum is being issued for the following changes and informational items:

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE IFB DOCUMENT AND INSTRUCTIONS ARE TO BE INCLUDED AND SHALL TAKE PRECEDENCE OVER ANYTHING CONTRARY ON THE PREVIOUSLY ISSUED SPECIFICATIONS AND INSTRUCTIONS AND SHALL BE REFERRED TO HEREINAFTER AS PART OF THE CONTRACT DOCUMENTS.

***The City has received the following questions and is hereby providing answers thereto:***

**Q 1:** Is this project to supply the equipment only? Installation labor is not to be included correct?

**A 1:** ***The project is to supply equipment only. No installation labor is to be included.***

**Q 2:** This IFB is to supply 2 listed cooling towers with delivery and sales tax. NO INSTALL. Am I correct?

**A 2:** ***Same as the response provided for Question Number One.***

BY ORDER OF THE CITY OF PALM SPRINGS, CALIFORNIA

Cheryl Martin

Cheryl Martin, CPPB

Procurement Specialist I

DATE: December 12, 2013

ADDENDUM ACKNOWLEDGMENT:

Proposer Firm Name: ALLISON MECHANICAL INC.

Authorized Signature: [Signature] Date: 1/9/14

Acknowledgment of Receipt of Addendum 1 is required by signing and including the acknowledgment with your submittal, or you may also acknowledge the Addenda on the bottom of Attachment A. Failure to acknowledge this Addendum may result in your submittal being deemed non-responsive.



INVITATION FOR BID (IFB 14-07)

FOR

FURNISH TWO (2) NEW COOLING TOWERS

ADDENDUM NO. 2

This Addendum is being issued for the following changes and informational items:

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE IFB DOCUMENT AND INSTRUCTIONS ARE TO BE INCLUDED AND SHALL TAKE PRECEDENCE OVER ANYTHING CONTRARY ON THE PREVIOUSLY ISSUED SPECIFICATIONS AND INSTRUCTIONS AND SHALL BE REFERRED TO HEREINAFTER AS PART OF THE CONTRACT DOCUMENTS.

*The City has received the following questions and is hereby providing answers thereto:*

Q 1: Your technical data indicates two different models of cooling tower as a reference but the detailed specifications only indicate design conditions for one of the two towers. These two different models are different in their overall size (capacity wise) and I was curious as to what the second set of design conditions are in order to verify proper equipment selection.

A 1: *The error in the specification provided for Cooling Tower II has been corrected. A new model number and specification is stated below.*

**CORRECTION TO MODEL NUMBER AND SPECIFICATION:**

**DELETE ALL REFERENCE TO: PT2-D709A-3L4 AND SPECIFICATION FOR COOLING TOWER II**

**REPLACE WITH: VNT-90 D COOLING TOWER (OR EQUAL) FOR COOLING TOWER II**

**Capacity: 180.00 USGPM of water from 95.00 F to 85.00 F at 80.00 F entering wet bulb and .8 PSIG of total (static lift + spray) pump head from unit base.**

**Electrical 200: volt 3 phase 60 hertz**

Q 2: How much is the estimated amount for this project?

A 2: *The estimated cost for the two towers is \$55,000.*

**CLARIFICATION/REVISIONS OF IFB DOCUMENT:**

**\*\* REVISED\*\* Specification Compliance/Deviation Page and Mandatory Pricing Page is hereby included in this addendum and replaces the original IFB Mandatory Pages 7-9.**

**\*\*IMPORTANT NOTE\*\* PLEASE BE SURE THAT YOU SUBMIT ONLY THE REVISED MANDATORY SPECIFICATION COMPLIANCE/ DEVIATION PAGE AND MANDATORY PRICING PAGE. FAILURE TO SUBMIT THE REVISED PAGES WILL RESULT IN A NON-RESPONSIVE SUBMITTAL.**

BY ORDER OF THE CITY OF PALM SPRINGS, CALIFORNIA

Cheryl Martin

Cheryl Martin, CPPB  
Procurement Specialist I

DATE: December 19, 2013

ADDENDUM ACKNOWLEDGMENT:

Proposer Firm Name: ALLISON MECHANICAL INC

Authorized Signature: Ernest Guitl Date: 1/9/14

Acknowledgment of Receipt of Addendum 2 is required by signing and including the acknowledgment with your submittal, or you may also acknowledge the Addenda on the bottom of Attachment A. Failure to acknowledge this Addendum may result in your submittal being deemed non-responsive.

FURNISH (2) NEW COOLING TOWERS  
IFB 14-07

DEVIATION FROM SPECIFICATIONS

- 1) Furnish BAC Model PT2-0412A-1G1/S in lieu of specified Model PT2-D412A-161.
- 2) Furnish BAC Model VT0-075-K in lieu of specified Model VNT-90D.
- 3) Model VT0-075-K shall be forced in lieu of induced draft.

**Item #1) BALTIMORE AIRCOIL (BAC), Quantity (1):**

**Model:** PT2-0412A-1G1/S COOLING TOWER

**Certified Capacity:** 218.00 USGPM of water from 95.00°F to 85.00°F at 80.00°F entering air wet bulb and 4.66 PSIG of total (static lift + spray) pump head from the unit base.

**Equipment Summary**

- Induced Draft, Counterflow Cooling Tower
- Quality Assurance - ISO 9001 Certified
- Unit Energy Efficiency per ASHRAE Standard 90.1-2010
- CTI Certified Thermal Performance
- EVERTOUGH(TM) Construction- Steel Panels and Structural Members are Constructed of Galvanized Steel Furnished with the BALTIBOND® Corrosion Protection System. Cold Water Basin shall have Triarmor corrosion protection.
- Standard Fan driven by the BAC Drive System
- Galvanized Steel Fan Guard
- PVC Film Wet Deck Material & Drift Eliminators
- Upgraded Structure Designed in accordance with the 2009 IBC
- Standard End or Side Inlet
- End Outlet Pump Suction Connection
- Type 304 Stainless Steel Strainer
- **External Float Valve Assembly – Shipped loose for field installation by others**
- Mechanical Vibration Cutout Switch

**Clarifications to PT2-0412A:**

- Specifications call for Model PT2-D412A-161; Proposed unit is Model PT2-0412A-1G1

**Item #2) BALTIMORE AIRCOIL (BAC), Quantity (1):**

**Model:** VT0-075- COOLING TOWER

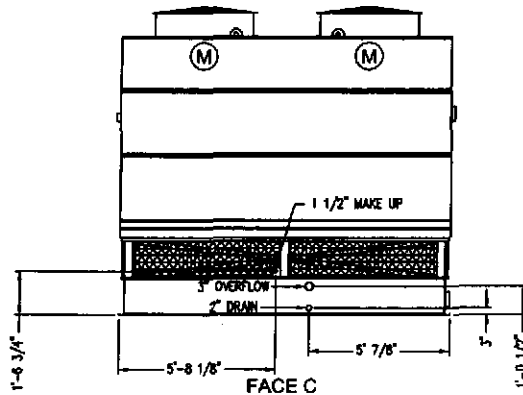
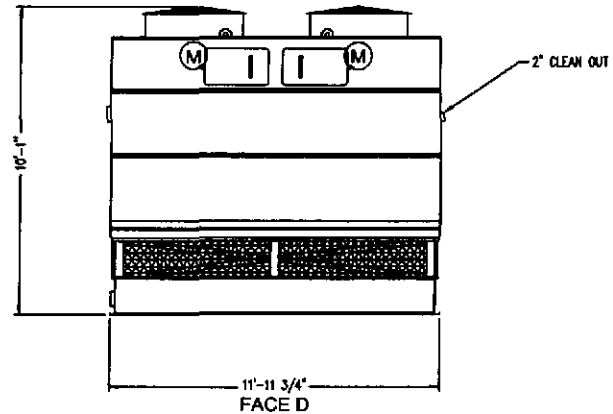
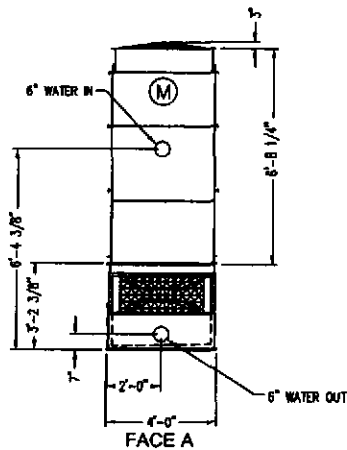
**Certified Capacity:** 180.00 USGPM of water from 95.00°F to 85.00°F at 80.00°F entering air wet bulb and 4.63 PSIG of total (static lift + spray) pump head from the unit base.

**Equipment Summary**

- Forced Draft, Counterflow Cooling Tower
- Quality Assurance - ISO 9001 Certified
- Unit Energy Efficiency per ASHRAE Standard 90.1-2010
- CTI Certified Thermal Performance
- Steel Panels and Structural Members are Constructed of Galvanized Steel Furnished with the BALTIBOND® Corrosion Protection System. (Triarmor not available in basin area, only Baltibond).
- Non-Corroding PVC Film Fill Material with a Flame Spread Rating of 5
- Polyvinyl Chloride (PVC) Drift Eliminators
- Upgraded Unit Anchorage
- End Outlet Pump Suction Connection
- **External Float Valve Assembly – Shipped loose for field installation by others**
- Mechanical Vibration Cutout Switch

**Clarifications to VT0-75-K:**

- Specifications call for Model VNT-90D, which is an obsolete model # that is no longer available.
- The recommended replacement unit is the VT0-75-K (proposed here).
- See attached dimensional drawing for details. Listed below are some (but not all) of the differences:
  - Weight: VNT-90D was 2,470 lbs; VT0-75-K is 2,590 lbs
  - Height: VNT-90D was 8'; VT0-75-k is 9'
  - HP: VNT-90D was 15 hp; VT0-75-k is 10 hp
  - Connection locations may vary.



**Notes**

- 1) Drawings are not to scale. All dimensions are in feet and inches. Weights are in pounds and include options and accessories.
- 2) Unless otherwise indicated, connections 3" and smaller are NPT. Connections 4" and larger are grooved to suit a mechanical coupling and beveled for welding.
- 3) For weight loadings and support requirements, refer to the suggested steel support drawing.
- 4) The area above the fan discharge must be unobstructed.
- 5) Piping must not be supported by the tower inlet or outlet connections.
- 6) M = Motor location.
- 7) Field piping should be fabricated at time of installation. Pre-fabrication of pipe is not recommended.

Structural Upgrade  
Right Hand Unit

Model Number	Shipping Weight	Operating Weight	Heaviest Section
PT2-0412A-1G1/S	3155	5585	2270

ORDER NO: **Q14028870102**

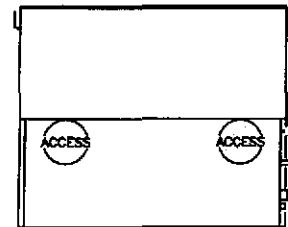
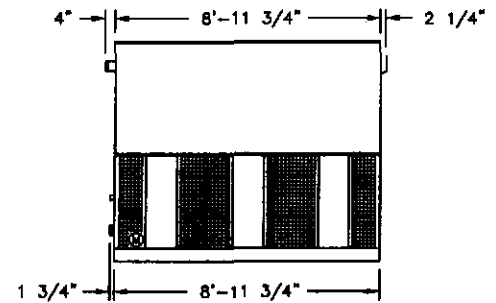
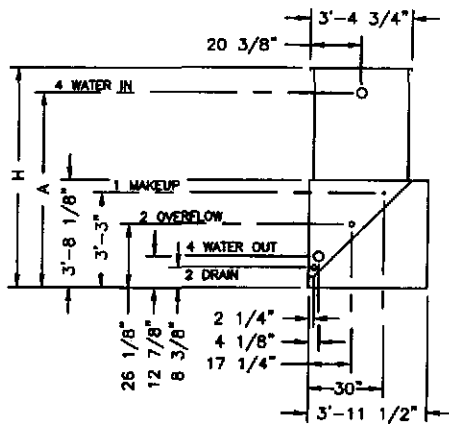
DATE: **1/8/2014**



**BALTIMORE AIRCOIL COMPANY**

**PT2 Single Cell Unit Print  
Direct Drive**

DRAWING NUMBER:  
**UP-Q14028870102**



**NOTES:**

1. ALL DIMENSIONS ARE IN FEET AND INCHES. WEIGHTS ARE IN POUNDS.
2. UNLESS OTHERWISE INDICATED ALL CONNECTIONS 3 INCHES AND SMALLER ARE MPT AND CONNECTIONS 4 INCHES AND LARGER ARE BEVELLED FOR WELDING AND GROOVED FOR VICTAULIC CONNECTION.
3. FOR SUPPORT REQUIREMENTS, REFER TO THE SUGGESTED STEEL SUPPORT DRAWING.
4. PRE-FABRICATION OF FINAL CONNECTING PIPEWORK IS NOT RECOMMENDED.
5. DO NOT SUPPORT PIPING FROM COOLING TOWER. ALL NECESSARY PIPE SUPPORTS ARE TO BE SUPPLIED BY OTHERS.

MODEL NO.	APPROX. SHPG. WEIGHT	APPROX. OPER. WEIGHT	HEAV. SECT. (PAN)	A	H
VTO-65-J	2000	2580	1070	8'-1 7/8"	9'-0 1/8"
VTO-75-K	2010	2590	1080	8'-1 7/8"	9'-0 1/8"
VTO-76-K	2130	2710	1080	9'-7 7/8"	10'-6 1/8"
VTO-88-L	2190	2770	1140	9'-7 7/8"	10'-6 1/8"

B.A.C.  
ORDER NO:  
DATE:



BALTIMORE AIRCOIL  
COMPANY

COOLING TOWER

DRAWING NUMBER:  
BAC-9105 A

C