Department of Transportation and Public Works
111 NW 1st •Street Suite 1410
Miami, Florida 33128-1970
T 305-375-2930. F 305-375-2931
miamidade.gov

September 19, 2023

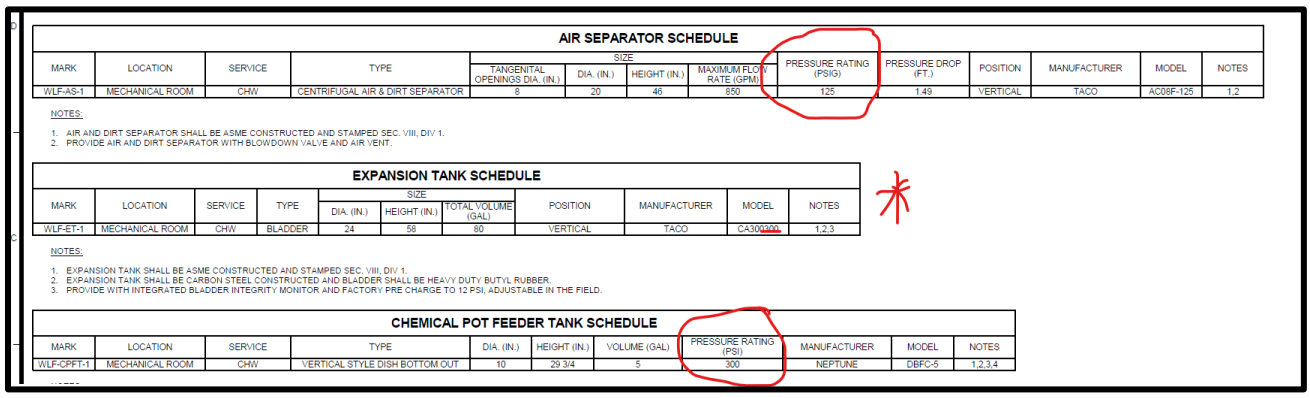
RESPONSE LETTER NO. 2 TO REQUEST FOR INFORMATION

Project Title: **Upgrade Chiller Units at William Lehman Center**
Project No.: **TP-0000017889**

Email from Mr. Yunior Quintana Prado, from Aquarius Air Conditioning & Refrigeration, Inc; on August 28, 2023, at 4:32 PM (Email Attached).

QUESTION No.1: Can you please clarify with the engineer why there are 125 psi pumps, 125psi air separator, and then a 300-psi expansion tank and the 300-psi pot feeder?

Illustration:



AIR SEPARATOR SCHEDULE

MARK	LOCATION	SERVICE	TYPE	SIZE: TANGENITAL OPENINGS DIA. (IN.)	SIZE: DIA. (IN.)	SIZE: HEIGHT (IN.)	MAXIMUM FLOW RATE (GPM)	PRESSURE RATING (PSIG)	PRESSURE DROP (FT.)	POSITION	MANUFACTURER	MODEL	NOTES
WLF-AS-1	MECHANICAL ROOM	CHW	CENTRIFUGAL AIR & DIRT SEPARATOR	8	20	46	850	125	1.49	VERTICAL	TACO	AC08F-125	1,2

NOTES:
1. AIR AND DIRT SEPARATOR SHALL BE ASME CONSTRUCTED AND STAMPED SEC. VIII, DIV 1.
2. PROVIDE AIR AND DIRT SEPARATOR WITH BLOWDOWN VALVE AND AIR VENT.

EXPANSION TANK SCHEDULE

MARK	LOCATION	SERVICE	TYPE	SIZE: DIA. (IN.)	SIZE: HEIGHT (IN.)	TOTAL VOLUME (GAL)	POSITION	MANUFACTURER	MODEL	NOTES
WLF-ET-1	MECHANICAL ROOM	CHW	BLADDER	24	58	80	VERTICAL	TACO	CA300300	1,2,3

NOTES:
1. EXPANSION TANK SHALL BE ASME CONSTRUCTED AND STAMPED SEC. VIII, DIV 1.
2. EXPANSION TANK SHALL BE CARBON STEEL CONSTRUCTED AND BLADDER SHALL BE HEAVY DUTY BUTYL RUBBER.
3. PROVIDE WITH INTEGRATED BLADDER INTEGRITY MONITOR AND FACTORY PRE CHARGE TO 12 PSI, ADJUSTABLE IN THE FIELD.

CHEMICAL POT FEEDER TANK SCHEDULE

MARK	LOCATION	SERVICE	TYPE	DIA. (IN.)	HEIGHT (IN.)	VOLUME (GAL)	PRESSURE RATING (PSI)	MANUFACTURER	MODEL	NOTES
WLF-CPFT-1	MECHANICAL ROOM	CHW	VERTICAL STYLE DISH BOTTOM OUT	10	29 3/4	5	300	NEPTUNE	DBFC-5	1,2,3,4

ANSWER No.1: The specifications and selections remain the same. (Plus, see attachments)

1. Air Separator: Taco Model AC08F-125 specifications at 125psi remain the same.
2. Expansion Tank: Taco Model CA300-300 specifications at 300psi@240F remain the same. The 300psi factory optional rating was selected.
3. Pot Feeder: Neptune Model DBFC-5 specifications at max 300psi remain the same. This is the only PSI rating the manufacture has listed.
4. Pumps CW: Taco Model FI3011D @ 1760rpm remain the same. Pumps are mounted on second floor this is basically a two-story building pressure will be below 175psi rating of 125 flanges.

Email from Mr. Yunior Quintana Prado, from Aquarius Air Conditioning & Refrigeration, Inc; on August 29, 2023, at 11:40 AM (Email Attached).

QUESTION No.1: Is there any chance that I can make a job side visit with my electrical contractor, please let me know.

ANSWER No.1: Miami-Dade County, and the Department of Transportation & Public Works does not have any objections to such request. However, there won't be any dialogue and/or answers given on any specifics related to the project while attending the Site Visit. Promptly, the Department will be arranging all tasks in order to hold such Public Meeting at the facility again.

Email from Mr. Yunior Quintana Prado, from Aquarius Air Conditioning & Refrigeration, Inc; on September 5, 2023, at 12:40 PM (Email Attached).

QUESTION No.1: Valves identified as WLF-CV-4 and WLF-CV-5:

- M9601 - Schedule calls for Model G7100D Belimo – This is a 4" Globe 3-Way Diverting Valve
- M9901 – Water Plant Schematic –
  - Keyed Note 1 – Calls them out as "CHWS ACTUATED ISOLATION
  - VALVES"
  - Symbol used is for 4" Globe Isolation Valves that appear to be 2-Way (not 3-Way).
- M9902 – Mechanical Controls – Shows Chilled Water Isolations Valves as 2-Way in diagram.
- M9904 – Mechanical Room Perspective – Appears to show 3-Way Valve
- M3101 – Mechanical Modification Piping – Appears to show 2-Way Valve

Need to Determine if it is 2-Way or 3-Way Valves are desired, if 3-Way Valves are desired are the Mixing or Diverting?

ANSWER No.1: WLF-CV-4 and WLF-CV-5 are to be 2-way, manual isolation valves. Refer to revised schedule (M-9601) attached and revised Specification Section 23 05 23, Section 2.02 below. Shown on Addendum No.5.

2.02 BALL VALVES

A. Manufacturers:

a. **American Valve**

b. Substitutions: Section 016000 – Material and Equipment Requirements & 016200 – Substitutions, and product options.

c. Furnish materials and equipment according to Miami Dade County Department of Transportation and Public Works standards. The County shall be the sole judge of what is considered equal, based on the best interests of the County, and its decision in this regard shall be final.

B. BA-1 - 2 inches and Smaller: MSS SP 110, 400 psi WOG, two-piece bronze body, type 316 stainless steel ball, full port, teflon seats, blow-out proof stem, solder or threaded ends with union, locking lever handle with balancing stops.

C. BA-2 - 3 inches and larger: MSS SP 72, NSF/ANSI 61 & 372, 300 psi WOG, stainless steel body, stainless steel ball, full port, reinforced PTFE seats, blow-out proof stem, flanged ends, locking lever handle with balancing stops.

QUESTION No.2: Need to Confirm if it is Flanged Globe Valve or Flanged Butterfly Valve?

ANSWER No.2: WLF-CV-4 and WLF-CV5 are Manual Flanged Ball Valves. Refer Answer No. 1 above.

QUESTION No.3: Need to Confirm 2-Position Open/Closed (On/Off)

ANSWER No.3: WLF-CV-4 and WLF-CV5 are Manual NC valves. Refer Answer No. 1 above.

QUESTION No.4: Valve identified as WLF-CV-6:

- M9601 – Schedule – Calls for Model F7100D Belimo - This is a 4" Globe
- 3-Way Diverting Valve
- M9901 – Water Plant Schematic – Shows a 3-Way Control Valve
- M9902 – Mechanical Controls –
  - Sequence Describes Controlling Discharge Air Temp (Typically Modulating)
  - FCU Schematic shows CHW VLV (BO)
- M3101 – Note 10 – 2" Valve

Need to Confirm if a 2.5" Flanged Globe Valve is desired?

ANSWER No.4: WLF-CV-6 is 3-Way Diverting size 1.5-Inch NPT Threaded Globe Valve Model G340B-N Belimo. Refer to revised schedule (M-9601). Shown on Addendum No.5.

QUESTION No.5: Need to Confirm 2-Position Open/Closed (On/Off) or Modulating (Floating Point/0/2-10VDC)

ANSWER No.5: WLF-CV-6 will be provided with modulating 24V Actuator Model SVB-24SR Belimo and shall be controlled via standalone 24V Modulating controller provided with WLF-FCU-1 including portable display mounted on wall, and integrated thermostat. Refer to revised schedule (M-9601, & M-9602). Shown on Addendum No.5.

QUESTION No.6: Note 2.5” is the smallest Flanged Globe Valve available for Belimo!

ANSWER No.6: WLF-CV-6 Model G340B-N Belimo, size 1.5-Inch. Refer to revised schedule (M-9601). Shown on Addendum No.5.

ADDITIONAL INFORMATION:

The previously scheduled DAIKIN Fan Coil Unit Model# LAH007A has been discontinued since the development of these documents. Please, refer to attached revised scheduled sheet M-9602. Shown on Addendum No.5., including revised DAIKIN Model, plus, associated information.

Email from Mr. Jonathan Garcia, from Blizzard Air Conditioning, LLC; on September 8, 2023, at 9:07 AM (Email Attached).

QUESTION No.1: Could you please clarify who is the Mechanical Controls Vendor for the Facility?

ANSWER No.1: There is no mechanical controls vendor for the facility. There is no automation system, and everything is to be standalone.

Email from Mr. Dee Coakley, from Coakley Mechanical, Inc; on September 8, 2023, at 10:54 AM (Email Attached).

QUESTION No.1: Sheet E-9602, Keyed Note 6.
The line diagram above shows a Vender furnished chiller control system for each of the 2 chillers.

ANSWER No.1: ***Replace Keynote 6 on E/9602*** with the following: See information displayed on Addendum No.5.

QUESTION No.2: Sheet E-9602, Keyed Note 6.
This unit is normally attached to the chiller and comes already assembled on the chiller.

ANSWER No.2: ***Replace Keynote 6 on E/9602*** with the following: See information displayed on Addendum No.5.

QUESTION No.3: Sheet E-9602, Keyed Note 6.
For this item, will electrical need to mount and assemble, or we just bring power to it?

ANSWER No.3: ***Replace Keynote 6 on E/9602*** with the following: See information displayed on Addendum No.5.

QUESTION No.4: Will all the new conduits need to be rigid metal conduit or only for conduit below the 8ft mark? And EMT above the 8ft mark?

ANSWER No.4: All must be IMC as specified in section 26 05 33, 3.1.C.1.2 as the location is inside a mechanical room.

QUESTION No.5: I do not see any low voltage/control wiring.
Yet in mechanical sheets I see (5) electrical control valves, (1) thermostat.

ANSWER No.5: There are 3 electrical control valves, (2) 3-way valves for the chiller to be used only during low ambient startup and (1) for the Fan Coil Unit. Refer to revised schedule part of previous RFI responses. All valves shall be controlled by the manufacturer provided equipment and wired from the system controller to the components.

Awarded contractor to provide and install low voltage control wiring to allow the following:

1. Thermostat to function and control fan coil unit WLF-FCU-1 as described in the sequence of operation WLF-FCU-1. Refer to (2/M9902).
2. Fan coil unit control valve WLF-CV-6 to function via standalone 24 V controller with portable display and integrated Thermostat. Refer to Note 5 on revised M-9602 (Shown on Addendum No.5) part of additional information included with previous RFI response.
3. Chilled water condenser control valves (WLF-CV-7 & WLF-CV-8) to function as described in the sequence of operation: chilled water plant, chilled condenser water flow control valve. Refer to (1/M9902).

Additionally, the awarded contractor shall follow chillers and fan coil unit manufactures instructions on means and methods for low voltage control wiring to meet design intent described above.

QUESTION No.6: I do not see any low voltage/control wiring.
Also control sheet that states for reference only, existing to remain.

ANSWER No.6: Existing to remain is in reference to existing cooling tower fan controls which are to remain as is. Refer to (1/M-9901)

Email from Mr. Olnice Prophete, from OnAir Mechanical & Electrical; on September 11, 2023, at 9:47 AM (Email Attached).

QUESTION No.1: I know during the pre-bid meeting you mentioned that there will be Stand-alone controls (manual controls system). Is there by any change you have drawings for the existing controls and the company of the existing controls of the site.

ANSWER No.1: There is no mechanical controls vendor for the facility. There is no automation system, and everything is to be standalone.

END OF REQUEST FOR INFORMATION No. 2

Sincerely,

Alfredo E. Muñoz, P.E.
Chief, Capital Improvements Division
Department of Transportation and Public Works (DTPW)

AM:mm

cc:

Marco Movilla, DTPW	Katherine Fernandez, DTPW
Eric Perez, ISD	Ray Harding, DTPW
Laurie Johnson, ISD	Renessa Gordon, DTPW
Clerk of the Board	Robert McClellan, DTPW

UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

RPQ No. TP-0000017889

REQUEST FOR INFORMATION NO.2

(RFI)

POT FEEDER
Neptune Model DBFC-5
Specifications at Max. 300psi

ATTACHMENTS
(For Informational Purposes Only)

By-Pass & Filter Feeders

PRODUCT BROCHURE

PSG a DOVER company

Neptune™

Where Innovation Flows

VERTICAL STYLE - DISH BOTTOM IN

VERTICAL STYLE - DISH BOTTOM OUT

By-Pass Feeders

Neptune By-Pass Feeders are a convenient method of introducing treatment chemicals into closed circulating water systems.

Neptune By-Pass Feeders are ideal for treating hot and chilled water circulating loops used in heating and air conditioning systems, process heating and cooling, or large engine water jackets.

Neptune offers two styles of By-Pass Feeders: A vertical style with dish bottom in and a vertical style with dish bottom out.

Filters are available for system cleanup and monitoring.

A high-pressure cap rated to 300 psi (20.7 bar) is now standard.

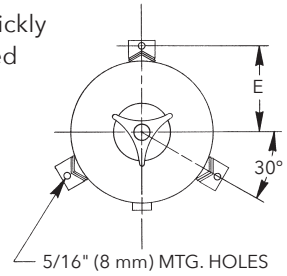
FILTER FEEDER

Convenient features include Full Bottom Drain and Anchor Bolt Holes

Filter Feeders

The Neptune Filter Feeders combine chemical addition and high-capacity filtering in one piece of equipment. They are a convenient way to introduce solid or liquid chemicals into hot or cold water closed circulating systems.

- Eliminate need for separate By-Pass Feeder and filter
- Filtration can be achieved at the same time as chemical addition
- Extended neck with top inlet allows simple installation of filter bag and basket
- Filter bags are available in 50, 20, 5 and 1 micron ratings (order separately)
- Filter bags are quickly and easily replaced



OLD STYLE CAPS

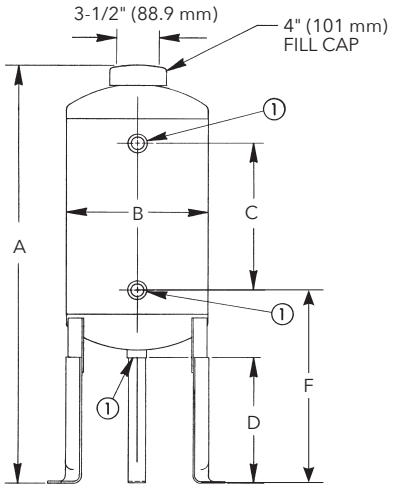
Three-lug, 1⁄3-turn design rated to 200 psi (13.8 bar).

NEPTUNE HIGH PRESSURE CAP

Coarse-thread, 2-1⁄2-turn design rated to 300 psi (20.7 bar).

Caps

All Neptune By-Pass Feeders offer a convenient, quick-opening, high-pressure closure. These closures offer better sealing with less force and eliminate the need for tools. Design binds cap tightly when under pressure making it necessary to bleed pressure from tank before removing cap. Underside of cap that contacts liquid is epoxy-coated.



Vertical Style – Dish Bottom Out

The DBF series features wide-mouth caps manufactured by Neptune. These caps utilize a square-section O-ring seal and will close easily by hand. Advantages of this series are demountable leg extensions and a full bottom drain. Optional Filter Bag Kit may be added.

DBFC models include a built-in support and mounting for a cartridge filter (order cartridge separately).

See page 3 for filter specifications.

MODEL	FILTER	APPROX. CAPACITY GAL. (L)	MAX. PRESSURE PSI (BAR)*	DIMENSIONS INCHES (MM)						SHIP WEIGHT LB. (KG)
				A	B	C	D	E	F	
DBF-2HP	Optional†	2 (7.6)	300 (20.7)	31-1/4 (793.8)	6 (152.4)	12-3/4 (323.9)	8-5/8 (219.1)	4-1/8 (104.8)	13-1/4 (336.6)	23 (10)
DBFC-2	Cartridge	2 (7.6)	300 (20.7)	31-1/4 (793.8)	6 (152.4)	12-3/4 (323.9)	8-5/8 (219.1)	4-1/8 (104.8)	13-1/4 (336.6)	23 (10)
DBF-5HP	Optional†	5 (18.9)	300 (20.7)	29-3/4 (1,009.7)	10 (254.0)	10-1/2 (266.7)	8 (203.2)	6-1/8 (155.6)	13 (330.2)	38 (17)
DBFC-5	Cartridge	5 (18.9)	300 (20.7)	29-3/4 (1,009.7)	10 (254.0)	10-1/2 (266.7)	8 (203.2)	6-1/8 (155.6)	13 (330.2)	38 (17)
DBF-10HP	Optional†	10 (37.9)	300 (20.7)	45-3/4 (1,162.1)	10 (254.0)	26-1/2 (673.1)	8 (203.2)	6-1/8 (155.6)	13 (330.2)	61 (28)

*At 200°F (93°C) max. †Filter support not included with base unit. Purchase optional filter bag kit.

Filter Bag Kits

Available for all VTF and DBF models up to 10 gallons (39.7 L). Kit includes bag, bag frame, tubing and connectors. The addition of a filter bag allows the By-Pass Feeder to function simultaneously as a side stream filter. (A clean bag is rated at approximately 30 microns.) Cannot be used with DBFC models.

MODEL	FOR USE ON
FBK-2	VTF-2HP, DBF-2HP
FBK-5	VTF-5HP, DBF-5HP
FBK-10	VTF-10HP, DBF-10HP

VTF-2HP WITH FILTER BAG KIT INSTALLED

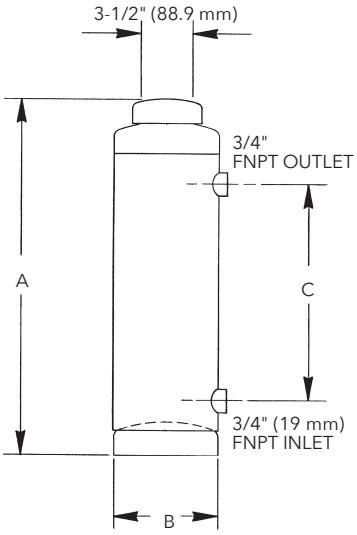
(Bag frame displayed in front of bag for clarity only.)

Vertical Style – Dish Bottom In

The VTF series is the most popular and economical by-pass feeder available from Neptune. The series uses the same wide mouth, easy-close caps described in the "Dish Bottom Out" style. Optional Filter Bag Kit may be added.

SPECIFICATIONS - ALL MODELS

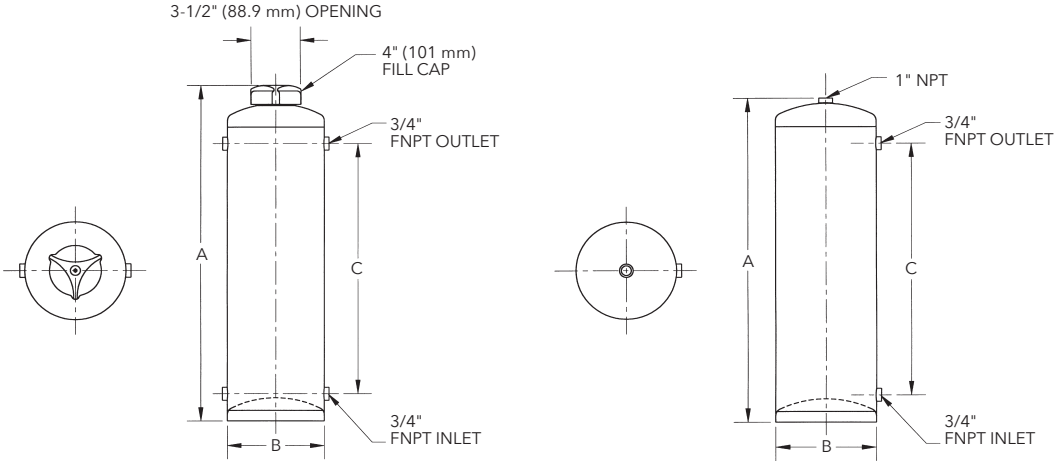
- Working pressure: up to 300 psi (20.7 bar) maximum at 200°F (20°C)
- Tank shell:
  2-gal. (7.6 L) unit – 11-gauge steel
  5-gal. (18.9 L) unit – 10-gauge steel
  10-gal. (37.9 L) unit – 10-gauge steel
  12-gal. (45.4 L) unit – 10-gauge steel
- Tank heads:
  2-gal. (7.6 L) unit – 11-gauge steel
  5-gal. (18.9 L) unit – 9-gauge steel
  10-gal. (37.9 L) unit – 9-gauge steel
  12-gal. (45.4 L) unit – 9-gauge steel
- Cap: Wide-mouth cast iron with Buna-N O-ring, easy open/easy close



STANDARD MODELS

MODEL	FILTER	APPROX. CAPACITY GAL. (L)	MAX. PRESSURE PSI (BAR)*	DIMENSIONS INCHES (MM)			SHIP WEIGHT LB. (KG)
				A	B	C	
VTF-2HP	Optional†	2 (7.6)	300 (20.7)	21-1/4 (539.6)	6 (152.4)	12-3/4 (323.9)	23 (10)
VTF-5HP	Optional†	5 (18.9)	300 (20.7)	19-3/4 (501.7)	10 (254)	10-1/2 (266.7)	37 (17)
VTF-10HP	Optional†	10 (37.9)	300 (20.7)	35-3/4 (908.1)	10 (254)	26-1/2 (673.1)	60 (27)
VTF-12HP	N/A	12 (45.4)	300 (20.7)	42 (1,066.8)	10 (254)	32-3/4 (831.9)	68 (31)

*At 200°F (93°C) max. †Filter support not included with base unit. Purchase optional filter bag kit.



FOUR FITTING MODELS

MODEL	APPROX. CAPACITY GAL. (L)	MAX. PRESSURE PSI (BAR)*	DIMENSIONS INCHES (MM)			SHIP WEIGHT LB. (KG)
			A	B	C	
VTF-2X4HP†	2 (7.6)	300 (20.7)	21-1/4 (539.6)	6 (152.4)	12-3/4 (323.9)	23 (10)
VTF-5X4HP†	5 (18.9)	300 (20.7)	19-3/4 (501.7)	10 (254.0)	10-1/2 (266.7)	37 (21)

*At 200°F (93°C) Max. †Filter support not included with base unit. Purchase optional filter bag kit.

FEEDER BODIES

MODEL	APPROX. CAPACITY GAL. (L)	MAX. PRESSURE PSI (BAR)*	DIMENSIONS INCHES (MM)			SHIP WEIGHT LB. (KG)
			A	B	C	
VTF-2-1	2 (7.6)	300 (20.7)	20 (508)	6 (152.4)	12-3/4 (323.9)	23 (10)
VTF-5-1	5 (18.9)	300 (20.7)	18 (457.2)	10 (254.0)	12-3/4 (323.9	37 (21)

*At 200°F (93°C) Max.

Cartridge Filter Units

DBFC models include a built-in support and mounting for a cartridge filter. Order cartridge separately.

Cartridge filter modification cannot be installed in DBF models. DBFC model must be ordered for use with cartridge filter.

DBFC-5 WITH CARTRIDGE FILTER INSTALLED

FILTER ASSEMBLY

PART NO.	DESCRIPTION
107290	5-MICRON PLEATED FILTER
107287	20-MICRON PLEATED FILTER

Filter Feeders

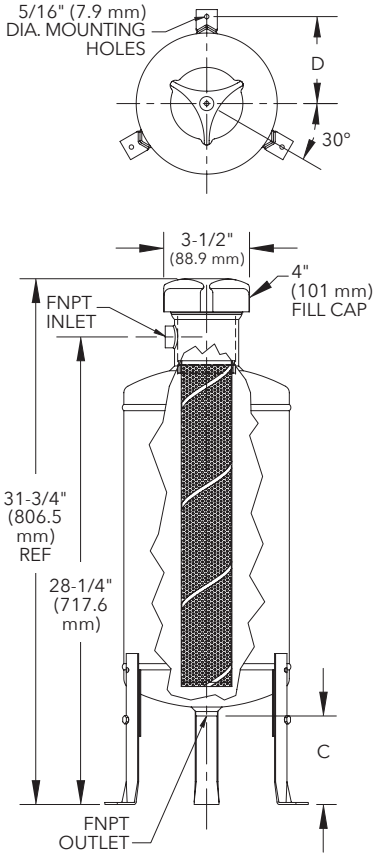
FEATURES AND BENEFITS

- Stainless steel dissolving basket holds and fully supports the filter bag inside (order bag separately)
- Ring-top bags feature handles for easy removal
- "DB" type feeders have a full bottom drain and bolt-on legs with anchor bolt holes
- Model FTF-5150HP features oversize 1-1/2" (38 mm) inlet and outlet connections. Can be used for system cleanup with high-volume pumps where high flow rates are desired for fast clean-up or flush-out prior to start-up

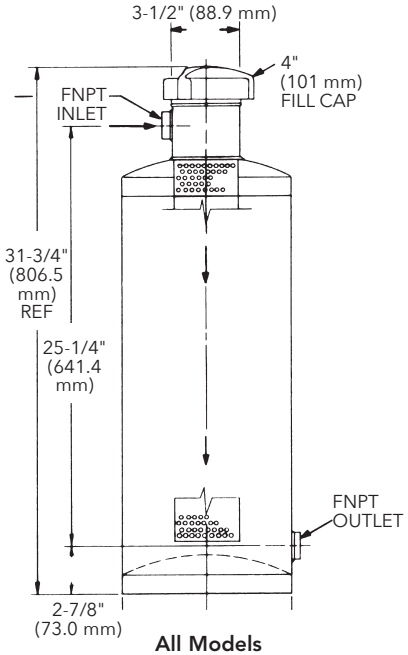
See page 3 for filter specifications.

MODEL	APPROX. CAPACITY GAL. (L)	MAX. PRESSURE PSI (BAR)*	DIAM. IN. (MM)	CONN. SIZE FNPT	DIMENSIONS INCHES (MM)			
					A	B	C	D
FTF-2HP	2-1/2 (9.5)	300 (20.7)	6 (152.4)	3/4 (19)	N/A			
FTF-2DB	2 (7.6)	300 (20.7)	6 (152.4)	3/4 (19)	N/A		4-3/4 (120.7)	8-1/2 (215.9)
FTF-5HP	7-1/2 (28.4)	300 (20.7)	10 (254.0)	3/4 (19)	N/A			
FTF-5DB	5 (18.9)	300 (20.7)	10 (254.0)	3/4 (19)	N/A		5-1/4 (133.4)	12-1/2 (317.5)
FTF-5150HP	7-1/2 (28.4)	300 (20.7)	10 (254.0)	1-1/2 (38)	N/A			
FTF-5150DB	5 (18.9)	300 (20.7)	10 (254.0)	1-1/2 (38)	N/A		5-3/8 (135.8)	6-1/4 (156.6)

*At 200°F (93°C) max.



All "DB" Models



All Models
(except "DB" Type)

DISSOLVING CYLINDER

FILTER BAG

FILTER BAGS

PART NO.	TYPE	QUANTITY	DESCRIPTION
107026	ULTRA FINE	PKG. OF 1	1-MICRON RING-TOP BAG
106453	FINE	PKG. OF 1	5-MICRON RING-TOP BAG
107289	MEDIUM	PKG. OF 1	20-MICRON RING-TOP BAG
107231	COARSE	PKG. OF 1	50-MICRON RING-TOP BAG

All bags fit any "FTF" model.

Where Innovation Flows

PSG a DOVER company

Neptune

PSG
22069 Van Buren Street
Grand Terrace, CA 92313-5651 USA
P: +1 (909) 422-1700 • F: +1 (909) 783-3440
psgdover.com/neptune

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UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

RPQ No. TP-0000017889

REQUEST FOR INFORMATION NO.2

(RFI)

AIR SEPARATOR
Taco Model AC08F-125
Specifications at 125psi

ATTACHMENTS
(For Informational Purposes Only)

Submittal Data Information

401-107

Flanged In-Line Air Separator – 125 psi

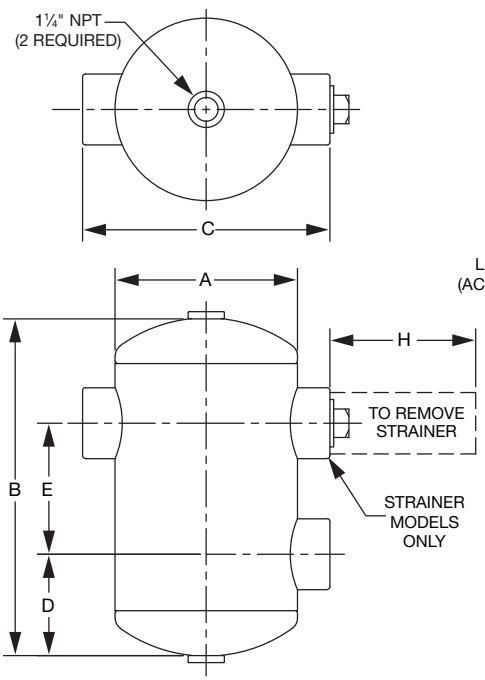
SUPERSEDES: October 8, 2014 EFFECTIVE: November 24, 2015

Job:_____ Engineer:_____ Contractor:_____ Rep:_____

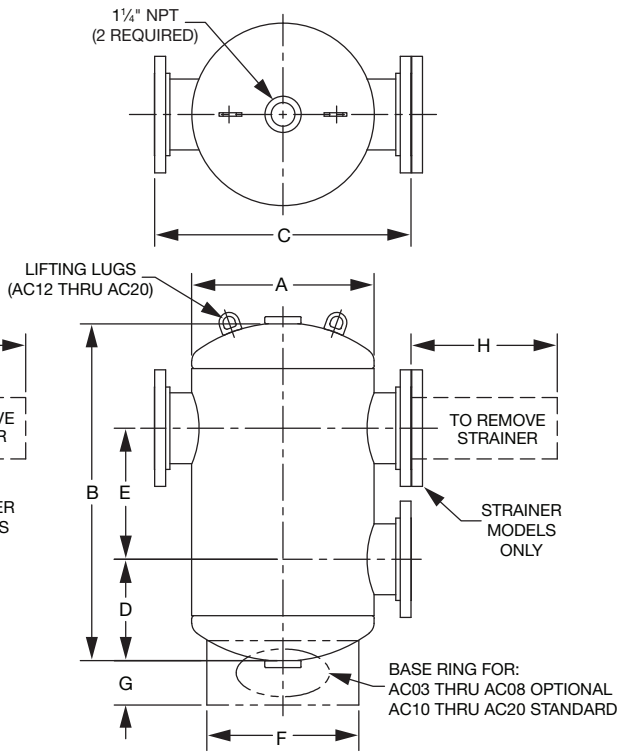
ITEM	LOCATION	MODEL	QUANTITY	SIZE

SPECIFICATIONS & OPTIONS

- Designed and constructed per ASME Code Section VIII, Division 1.
- Maximum Design Pressure and Operating Temperature: 125 psi @ 375°F
- Materials of Construction: Carbon Steel with optional 304SS Strainer
- Exterior Finish: Red Oxide Primer
- Larger sizes available. Please consult factory.



AC02F – AC025F
(THREADED CONNECTIONS)



AC03F – AC20F
(FLANGED CONNECTIONS – ANSI CL.150 RFSO)

SIZES & DIMENSIONS

All dimensions shown are subject to change and should not be used for pre-piping. Contact your local Taco representative should certified dimensional drawings be required.

PIPE SIZE	MODEL NUMBER		A DIA. (INCH)	B MAX. (INCH)	C (INCH)	D (INCH)	E (INCH)	F DIA. (INCH)	G (INCH)	H (INCH)	OPTIMUM FLOW (GPM)	STRAINER FREE AREA (INCH²)	C_V FACTOR		APPROXIMATE DRY WEIGHT (LBS.)	
	LESS STRAINER	WITH STRAINER											LESS STRAINER	WITH STRAINER	LESS STRAINER	WITH STRAINER
2	AC02-125	AC02F-125	12	22 1/8	14	7 9/16	7	—	—	13	104	31	86	72	40	45
2½	AC025-125	AC025F-125	12	22 1/8	14	7 9/16	7	—	—	13	149	38	122	102	40	45
3	AC03-125	AC03F-125	14	27 1/4	24	8	11 1/4	12	6 3/4	22	230	51	190	162	90	110
4	AC04-125	AC04F-125	16	31 3/8	26	9 5/16	12 3/4	12	7	24	416	80	325	272	115	145
5	AC05-125	AC05F-125	16	32 1/2	26	9 3/8	13 3/4	12	7	24	623	112	510	422	130	165
6	AC06-125	AC06F-125	20	36 7/8	30	11 1/16	14 3/4	16	6 3/4	27	956	180	750	618	170	215
8	AC08-125	AC08F-125	20	45 1/2	30	14 1/16	17 3/8	16	6 3/4	27	1666	246	1260	1060	270	345
10	AC10-125	AC10F-125	24	47 3/4	36	14 15/16	17 7/8	20	6 3/4	32	2635	392	2000	1670	350	465
12	AC12-125	AC12F-125	30	59 3/4	42	17 5/8	24 1/2	24	7 7/8	37	3749	548	2900	2400	600	775
14	AC14-125	AC14F-125	36	68 1/2	48	20 3/4	27	30	7 7/8	44	4298	732	3500	2850	805	1035
16	AC16-125	AC16F-125	36	75 1/2	48	22 1/4	31	30	7 7/8	43	5693	845	4600	3800	875	1150
18	AC18-125	AC18F-125	48	84 1/4	64	24 5/8	35	40	7 7/8	56	7496	1290	5900	4900	1550	1900
20	AC20-125	AC20F-125	48	91	64	26	39	40	8 3/8	56	9307	1435	7400	6200	1700	2150

COMMENTS: _____

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Taco, Inc., 1160 Cranston Street, Cranston, RI 02920 | Tel: (401) 942-8000 | FAX: (401) 942-2360
Taco (Canada), Ltd., 8450 Lawson Road, Suite #3, Milton, Ontario L9T 0J8 | Tel: (905) 564-9422 | FAX: (905) 564-9436
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UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

RPQ No. TP-0000017889

REQUEST FOR INFORMATION NO.2

(RFI)

EXPANSION TANK
Taco Model CA300-300
Specifications at 300psi at 240F

ATTACHMENTS
(For Informational Purposes Only)

401-083

Submittal Data Information
CA Expansion Tanks

SUPERSEDES: July 30, 2014 EFFECTIVE: December 1, 2014

JOB _____ ENGINEER _____ CONTRACTOR _____ REP. _____

ITEM NO.	LOCATION	MODEL NO.	QUANTITY	PRE-CHARGE *	WORKING PRESSURE

* Unless otherwise specified, standard pre-charge of 12 psi (83 kPa).

SPECIFICATIONS

- Designed and constructed per ASME Code Section VIII, Div. 1.
- Construction: Carbon Steel with exterior red oxide primer finish
- Standard Design Pressure and Temperature: 125 psi @ 240°F (862 kPa @ 116°C) Max.
- Registered with the National Board of Pressure Vessel Manufacturers
- U-1A Data Report
- Bladder type for permanent separation of air and water.
- Water expands into bladder, air pre-charge on shell side.
- Bladder – Heavy Duty Butyl, removable for inspection.
- **Suitable for Vertical or Horizontal Installation**
- **Optional Design Pressures and Temperatures**

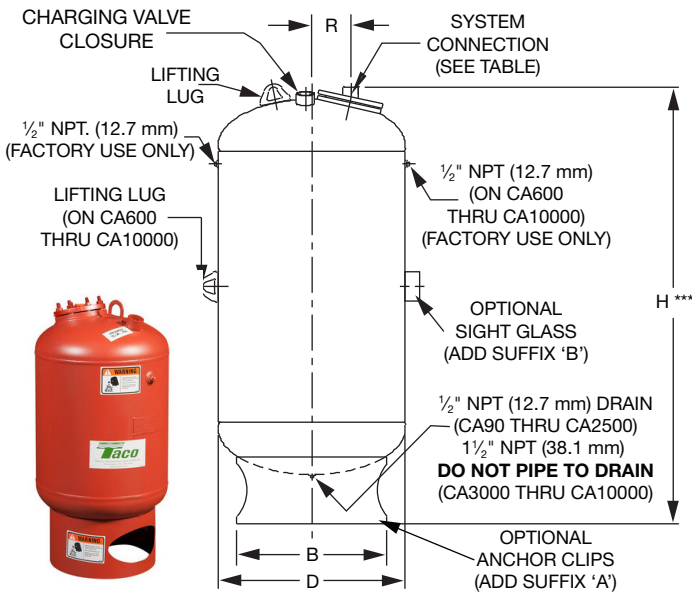
❑ 125 psi @ 280°F (862 kPa @ 138°C)
❑ 150 psi @ 240°F (1034 kPa @ 116°C) ❑ 150 psi @ 280°F (1034 kPa @ 138°C)
❑ 175 psi @ 240°F (1207 kPa @ 116°C) ❑ 175 psi @ 280°F (1207 kPa @ 138°C)
❑ 250 psi @ 240°F (1724 kPa @ 116°C) ❑ 250 psi @ 280°F (1724 kPa @ 138°C)
❑ 300 psi @ 240°F (2069 kPa @ 116°C) ❑ 300 psi @ 280°F (2069 kPa @ 138°C)

- **Optional System Connection Materials, "For Potable Water Use", Non NSF/ANSI 61-G**

❑ [K] 304 Stainless Steel

- **Additional Options**

❑ [A] Anchor Clips
❑ [B] Bulls Eye Sight Glass



MODEL NUMBER	TANK VOLUME		H HEIGHT ***		B DIAMETER		D DIAMETER		R RADIUS		SHIPPING WEIGHT **		SYSTEM CONNECTION SIZE	
	GAL.	liter	INCH	mm	INCH	mm	INCH	mm	INCH	mm	LBS.	kg	Imperial	metric
CA90-125	23	90	29⅛	740	16	406	20	508	4¼	108	120	155	1" NPT	25.4mm
CA140-125	37	140	40⅛	1019	16	406	20	508	4½	114	195	88	1" NPT	25.4mm
CA215-125	57	215	58⅞	1495	16	406	20	508	4½	114	290	132	1" NPT	25.4mm
CA300-125	79	300	57¾	1467	20	508	24	610	5	127	320	145	1½" NPT	38.1mm
CA450-125	119	450	77⅜	1965	20	508	24	610	5	127	400	181	1½" NPT	38.1mm
CA500-125	132	500	85¾	2178	20	508	24	610	5	127	420	191	1½" NPT	38.1mm
CA600-125	158	600	71⅞	1826	24	610	30	762	6¼	159	460	209	1½" NPT	38.1mm
CA700-125	185	700	80⅝	2048	24	610	30	762	6¼	159	525	238	1½" NPT	38.1mm
CA800-125	211	800	89⅞	2283	24	610	30	762	6¼	159	590	268	1½" NPT	38.1mm
CA900-125	238	900	73⅛	1857	30	762	36	914	7 7/16	189	690	313	1½" NPT	38.1mm
CA1000-125	264	1000	79	2007	30	762	36	914	7 7/16	189	790	358	1½" NPT	38.1mm
CA1100-125	291	1100	85¼	2165	30	762	36	914	7 7/16	189	865	392	1½" NPT	38.1mm
CA1200-125	317	1200	91	2311	30	762	36	914	7 7/16	189	940	426	1½" NPT	38.1mm
CA1300-125	344	1300	97	2464	30	762	36	914	7 7/16	189	980	445	1½" NPT	38.1mm
CA1400-125	370	1400	103	2616	30	762	36	914	7 7/16	189	1020	463	1½" NPT	38.1mm
CA1500-125	396	1500	73⅜	1864	40	1016	48	1219	10 15/16	278	1200	544	1½" NPT	38.1mm
CA1600-125	422	1600	76⅝	1946	40	1016	48	1219	10 15/16	278	1380	626	1½" NPT	38.1mm
CA1800-125	475	1800	83½	2121	40	1016	48	1219	10 15/16	278	1515	687	1½" NPT	38.1mm
CA2000-125	528	2000	90⅜	2296	40	1016	48	1219	10 15/16	278	1650	748	1½" NPT	38.1mm
CA2500-125	660	2500	107⅛	2721	40	1016	48	1219	10 15/16	278	1838	834	1½" NPT	38.1mm
CA3000-125	792	3000	94⅛	2391	44	1118	54	1372	11 7/16	291	2025	919	2" NPT	50.8mm
CA4000-125	1056	4000	120¾	3067	44	1118	54	1372	11 7/16	291	2400	1089	2" NPT	50.8mm
CA5000-125	1320	5000	150¼	3816	44	1118	54	1372	11 7/16	291	3100	1406	2" NPT	50.8mm
CA7500-125	1980	7500	128¾	3270	62	1575	72	1829	11½	292	3850	1746	3" NPT	76.2mm
CA10000-125	2640	10000	158¼	4020	62	1575	72	1829	11½	292	4500	2041	3" NPT	76.2mm

** Weight shown is for 125 psi models only. Consult factory for shipping weight of higher design pressure models.
*** Allow 18" minimum clearance above tank for piping system connection.

COMMENTS: _____

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UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

RPQ No. TP-0000017889

REQUEST FOR INFORMATION NO.2

(RFI)

PUMPS CW
Taco Model FI3011D
1760 rpm

NOTE: Pumps are mounted on second floor, this is basically a two-story building pressure below 175psi of 125 flanges

ATTACHMENTS
(For Informational Purposes Only)

FI Series Pump | Submittal Data

Submittal No: 301-1438D | **Model:** 3011D | **RPM:** 1760 - 60 Hz | **Effective:** January 27, 2020 | **Supersedes:** July 12, 2018

JOB: _____ **REPRESENTATIVE:** _____

ENGINEER: _____ **CONTRACTOR:** _____

PRODUCT DATA

ITEM NO. _____ **MODEL NO.** 3011D

IMPELLER DIAMETER _____ **HORSEPOWER** _____

GPM _____ **VOLTAGE** _____

HEAD/FT _____ **RPM** 1760

WEIGHT _____ **PUMP/MOTOR** _____

NSF 61 CERTIFIED ☐ YES ☐ NO

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	FI3011D-4P-BP	PEI_{cl}	0.92	8
Pump + Motor	FI3011D-4P-PM	PEI_{cl}	0.92	8

OPERATING SPECIFICATIONS

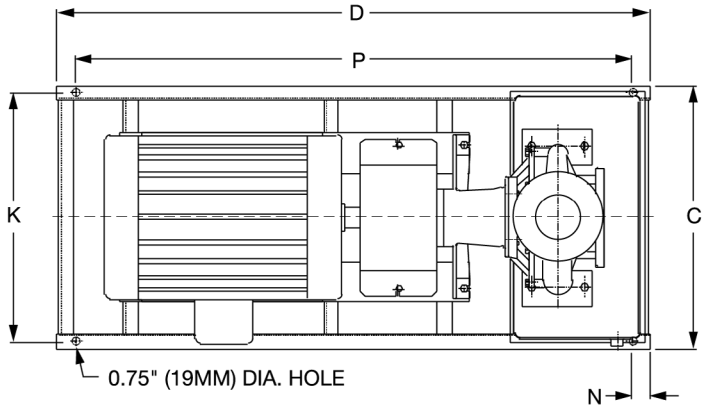
FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	250°F (120°C)

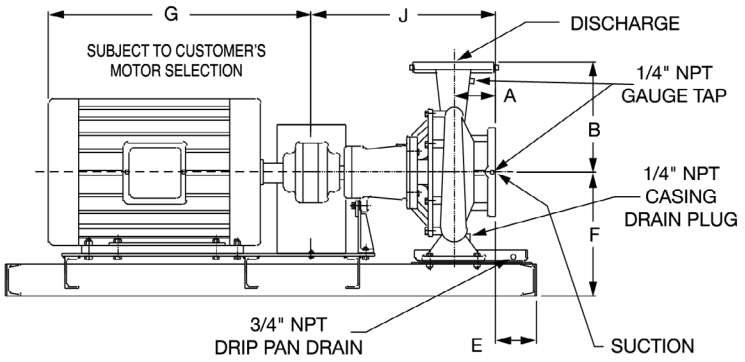
Motors: All NEMA Standard (T Frame)
* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250

DIMENSIONS

Model No. | 3011D
Flange Size (Suction x Discharge) | 4 x 3 (102 x 76)

HORSEPOWER		7.5	10	15	20
ODP	**MOTOR FRAME**	213T	215T	254T	256T
ODP	**G MAX**	19.08 (484)		22.57 (573)	
ODP	**MAXIMUM ASSEMBLY WEIGHT LBS. (KG)**	640 (290)		750 (340)	
TEFC	**MOTOR FRAME**	213T	215T	254T	256T
TEFC	**G MAX**	20.65 (524)		23.41 (594)	
TEFC	**MAXIMUM ASSEMBLY WEIGHT LBS. (KG)**	640 (290)		750 (340)	
A		ANSI Class 125: 4.72 (120)			
		ANSI Class 250: 5.03 (128)			
B		ANSI Class 125: 11.00 (279)			
		ANSI Class 250: 11.38 (289)			
C		19.17 (487)			
D		52.0 (1321)			
E		ANSI Class 125: 1.54 (39)			
		ANSI Class 250: 1.23 (31)			
F		14.03 (356)			
J		ANSI Class 125: 23.77 (604)			
		ANSI Class 250: 24.08 (630)			
K		17.67 (449)			
N		2.00 (50)			
P		48.0 (1219)			





English dimensions are in inches. Metric dimensions are in millimeters.
Metric data is presented in ( ). Do not use for construction purposes unless certified.

MATERIALS OF CONSTRUCTION			CASING	COVER	IMPELLER	WEAR RING	SHAFT	SHAFT SLEEVE	MECHANICAL SEAL	SEAL FLUSH LINE ASSEMBLY
STANDARD CONSTRUCTION	BRONZE FITTED	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Stainless Steel TYPE 416"T ASTM A582	Bronze ASTM B584-98A C92200	Ceramic/EPT	N/A
		250# FLANGE	Ductile Iron ASTM A536-84 Grade 65-45-12	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Stainless Steel TYPE 416"T ASTM A582	Bronze ASTM B584-98A C92200	Ceramic/EPT	N/A
OPTIONAL		125# OR 250#	N/A	N/A	Stainless Steel ASTM A351/A 351M-08	Bronze ASTM B584-98A C92200	N/A	Stainless Steel TYPE 303 ASTM A276	Tyngsten Carbide /EPT or Silicon-Carbide/EPT	Copper & Brass C3600
STANDARD CONSTRUCTION	NSF 61	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Stainless Steel ASTM A351/A 351M-08	N/A	Stainless Steel TYPE 416"T" ASTM A582	Bronze ASTM B584-98A C92200	Ceramic/EPT	Copper & Brass C3600
		250# FLANGE	Ductile Iron ASTM A536-84 Grade: 65-45-12	Cast Iron ASTM A48/A48M-03 Class 30A	Stainless Steel ASTM A351/A 351M-08	N/A	Stainless Steel TYPE 416"T" ASTM A582	Bronze ASTM B584-98A C92200	Ceramic/EPT	Copper & Brass C3600
OPTIONAL		125# OR 250#	N/A	N/A	N/A	Bronze ASTM B584-98A C92200	N/A	N/A	N/A	N/A

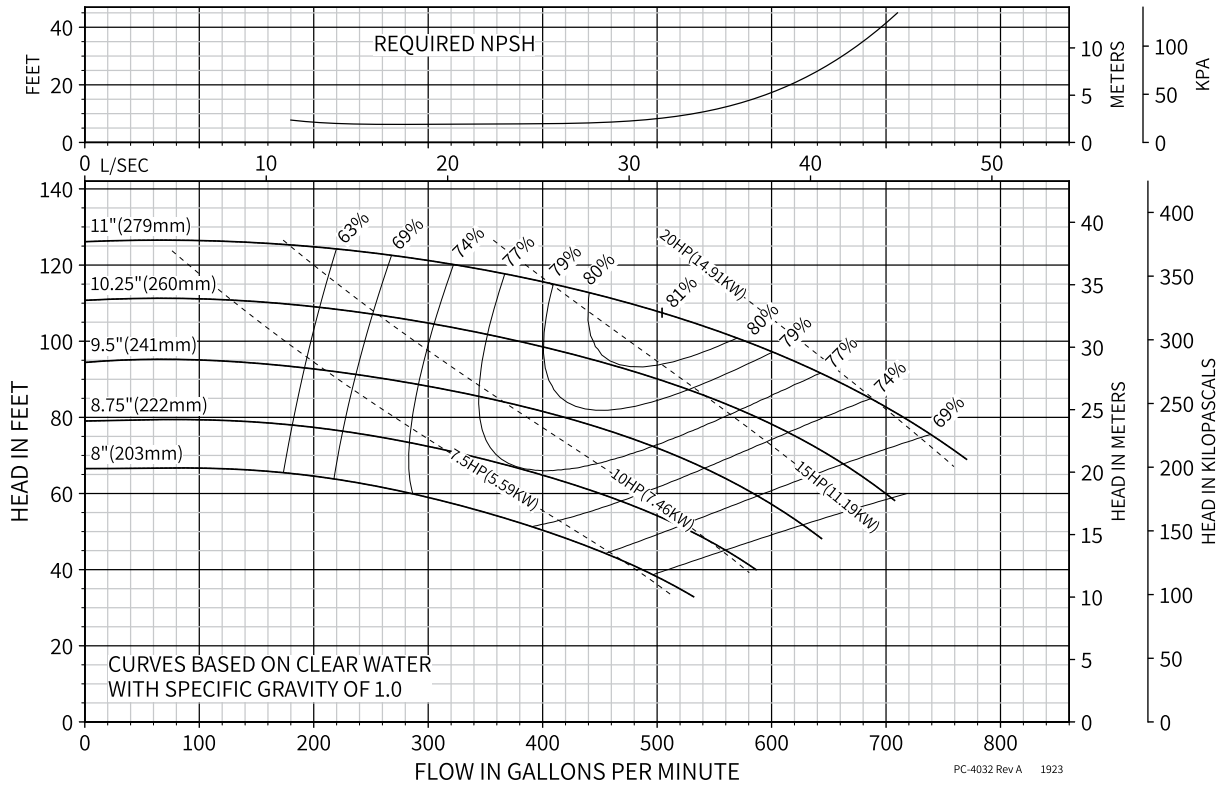
N/A - Not Available

FI Series | Model: 3011D | 1760 RPM

Curve No. 4032 | Min. Imp. Dia. 8.0" | Size 4x3x11.0 | February 12, 2020

Energy Efficiency Rating: DOE Basic Model Number: FI3011D-4P-PM

Pump & Motor: PEI_{CL}: 0.92 | ER_{CL}: 8



COMMENTS

UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

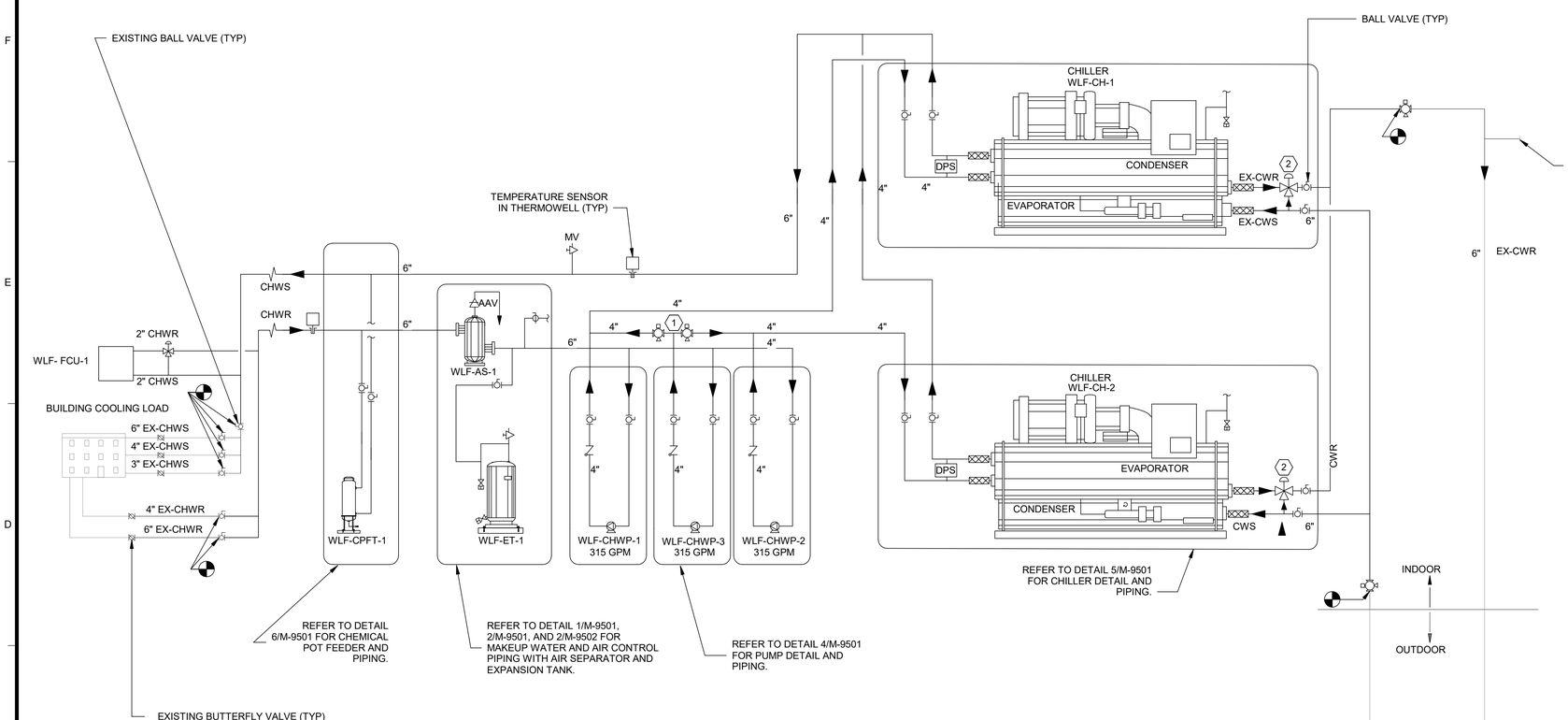
RPQ No. TP-0000017889

REQUEST FOR INFORMATION NO.2

(RFI)

ENGINEERING DRAWINGS
M-9901 & M-9902

ATTACHMENTS
(For Informational Purposes Only)



GENERAL NOTES:

1. EXTEND ALL VALVE HANDLES AND TEST TEE'S (PETE'S PLUGS) OUTSIDE PIPE INSTALLATION.
2. VERIFY ALL EQUIPMENT CONNECTION SIZES/TYPES WITH FINAL EQUIPMENT SUBMITTALS PRIOR TO FABRICATION AND INSTALLATION.
3. PROVIDE ALL CONTROLS/WIRING/DEVICES FOR A COMPLETE AND OPERATIONAL SYSTEM. DESIGNATIONS SHOWN ON THIS DRAWING ARE SCHEMATIC AND INTENDED TO SHOW GENERAL OUTLINE OF INTERCONNECTIONS ONLY.
4. PROVIDE THERMOWELLS AND PIPE TAP FITTINGS AS REQUIRED FOR CONTROL SYSTEM DEVICES.
5. PROVIDE ENGRAVED PLASTIC OR METAL TAG AT NORMALLY CLOSED VALVE STATING "VALVE TO REMAIN CLOSED DURING NORMAL OPERATION."
6. PROVIDE DISCHARGE PIPE FROM PRESSURE AND/OR TEMPERATURE RELIEF VALVE OUTLET AND ROUTE FULL SIZE TO APPROVED DRAIN LOCATION DRAIN PER CODE WITH INDIRECT TERMINATION. SLOPE PIPING TO DRAIN.
7. PROVIDE A SEPARATE MAKE-UP WATER SERVICE WITH BACKFLOW PREVENTION FOR EACH HYDRONIC SYSTEM.
8. PROVIDE 3/4" HOSE END DRAIN VALVES AT SYSTEMS LOW POINTS.

(#) KEYED NOTES:

1. CHWS ACTUATED ISOLATION VALVES.
2. CWS ACTUATED MIXING VALVE.

SYMBOLS:

- BUTTERFLY VALVE
- GATE VALVE
- BALL VALVE
- CHECK VALVE
- GLOBE VALVE
- STRAINER
- THREE-WAY CONTROL VALVE
- TWO-WAY CONTROL VALVE
- PRESSURE GAUGE
- DOOR UNDERCUT
- SHUT OFF VALVE
- TRIPLE DUTY VALVE

1 M-9901 CHILLED WATER PLANT SCHEMATIC
SCALE: NONE

TETRA TECH
ENGINEERING BUSINESS NO. 2429
www.tetratech.com
6303 BLUE LAGOON DRIVE, SUITE 305
MIAMI, FL 33126
TEL: (305) 908-1420 FAX: (305) 264-1805

BID SET

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

MIAMI DADE COUNTY DTPW

WILLIAM LEHMAN CENTER
CHILLED WATER PLANT REPLACEMENT

MECHANICAL CHILLED WATER PLANT SCHEMATIC

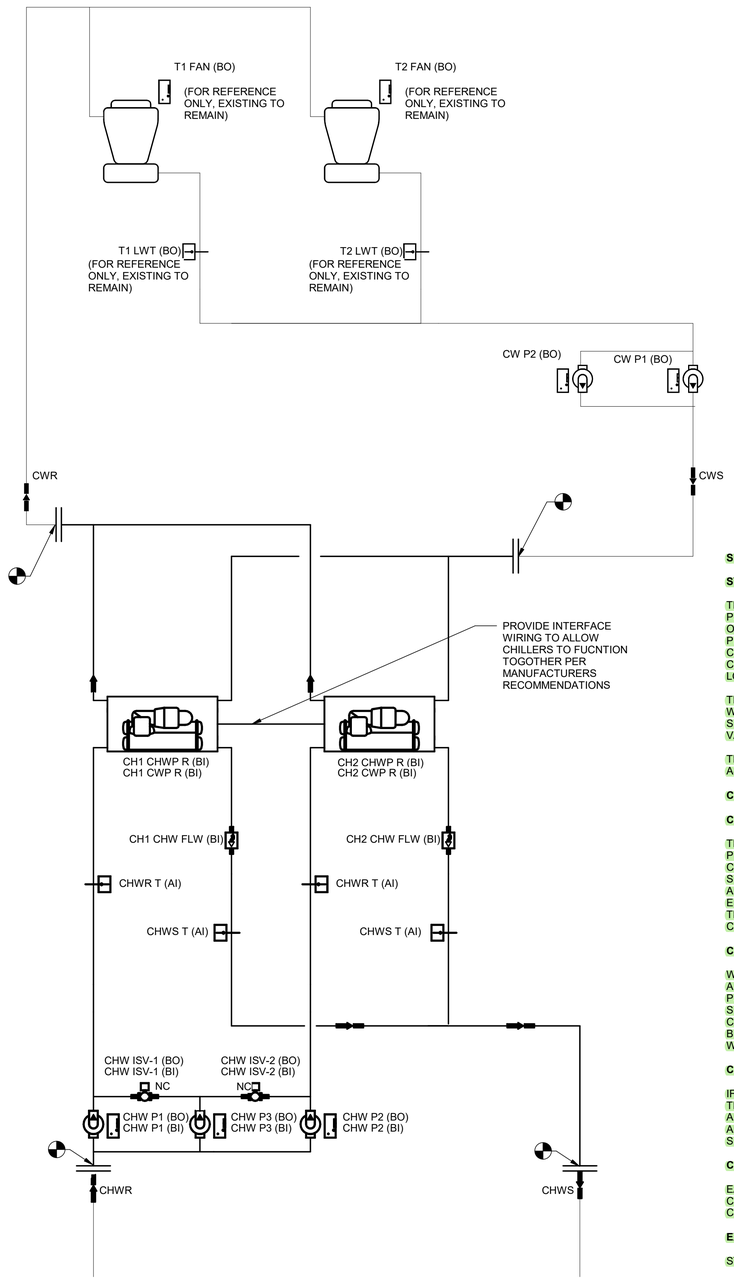
PROJ:	200-15769-22008
DESN:	MGS
DRWN:	FFA
CHKD:	KPK

M-9901
19 of 28

1/27/2023 10:03:31 AM BIM 360://200-15769-22008 WLF CHILLER REPLACEMENT/M-LEHMAN CHILLER-v2021.rvt

Bar measures 1 inch, otherwise drawing is not to scale

FLOW DIAGRAM: CHILLED WATER PLANT CONTROLS



SEQUENCE OF OPERATION: CHILLED WATER PLANT:

SYSTEM GENERAL DESCRIPTION:

THE COOLING PLANT CONTROL SYSTEM SHALL MONITOR AND CONTROL THE SYSTEM'S CHILLER(S), CHILLED WATER PUMP(S), AND CONTROL VALVES AS SHOWN ON THE COOLING PLANT FLOW DIAGRAM AND AS DETAILED IN THE SEQUENCE OF OPERATIONS LISTED BELOW. THE COOLING PLANT SYSTEM CONSISTS OF (2) WATER-COOLED CHILLER(S) WITH ITS PIPING CONFIGURATION ARRANGED AS A CONSTANT FLOW LOOP SUPPLYING CHILLED WATER TO THE FACILITY. THE CHILLED WATER DISTRIBUTION PUMP(S) ARE PIPED IN SERIES WITH THE CHILLER AND ARE DEDICATED TO SUPPLYING CHILLED WATER FLOW THROUGH ITS RESPECTIVE CHILLER AND OUTWARD THROUGHOUT THE FACILITY CHILLED WATER LOOP.

THE SYSTEM INCLUDES (2) PRIMARY CHILLED WATER PUMPS, (1) STANDBY PUMP, AND (2) NORMALLY CLOSED CHILLED WATER ISOLATION VALVES (CHW-IV-1,2). CHWP-1 IS THE PRIMARY PUMP SERVING CH-1, CHWP-2 IS THE PRIMARY PUMP SERVING CH-2, AND CHWP-3 IS THE STANDBY PUMP CAPABLE OF SERVING EITHER SYSTEM. REFER TO THE TABLE FOR THE VALVE SCHEDULE FOR EACH PUMPING SCENARIO.

THE CONDENSER WATER PUMP(S) (CWP-1,2) ARE CONFIGURED AS LEAD / STANDBY CONTROL. THE NEW PUMPS AND ASSOCIATED ISOLATION VALVES ARE MANUALLY CONTROLLED.

CHILLED WATER PLANT SYSTEM ENABLE/DISABLE:

CHILLER - RUN CONDITIONS:

THE CHILLER SHALL BE ENABLED TO RUN WHENEVER IT IS COMMANDED TO BE ENABLED BY THE CHILLER MANAGER PROGRAM. THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS TO PREVENT SHORT CYCLING, THE CHILLER SHALL RUN FOR AND BE OFF FOR MINIMUM ADJUSTABLE TIMES (BOTH USER-DEFINABLE), UNLESS SHUTDOWN ON SAFETIES OR OUTSIDE AIR CONDITIONS. THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS. THE COOLING PLANT SYSTEM SHALL SEND AN ENABLE SIGNAL TO THE CHILLER(S). UPON RECEIVING THE ENABLE SIGNAL THE CHILLER SHALL SEND A CHILLED WATER PUMP REQUEST SIGNAL TO THE CONTROL SYSTEM TO ENABLE THE (2) PRIMARY CHILLED WATER PUMPS. WHEN THE PLANT IS DISABLED, THE CHILLED WATER PUMPS SHALL BE COMMANDED OFF.

CHILLED WATER PUMP COMMANDS:

WHEN THE CHILLED WATER SYSTEM IS ENABLED, THE SYSTEM SHALL START (2) PRIMARY CHILLED WATER PUMPS THROUGH A CONTACT CLOSURE OF THE PUMPS MOTOR STARTER ENABLE CONTACTS. THE SYSTEM SHALL DETECT CHILLED WATER PUMP RUN STATUS BY A CURRENT SWITCH. THE (3) DEDICATED CHILLED WATER PUMPS WILL OPERATE IN A LEAD/STANDBY SEQUENCE THAT SHALL BE ROTATED ON A WEEKLY SCHEDULE (ADJ.). THE ROTATION SEQUENCE SHALL BE BASED ON CALCULATED RUN TIME WITH THE PUMP HAVING THE GREATEST RUN TIME DESIGNATED AS STANDBY. AN OPERATOR SHALL BE ABLE TO MANUALLY CHANGE THE LEAD/STANDBY SEQUENCE OR REQUEST ANY PUMP TO BE UNAVAILABLE WHICH WOULD REMOVE IT FROM THE ROTATION SEQUENCE.

CHILLED WATER PUMP FAILURE:

IF THE LEAD START/STOP RELAY IS ENABLED AND THE PUMP'S RUNNING STATUS IS OFF FOR MORE THAN 30 SECONDS (ADJ.), THE SYSTEM SHALL ANNUNCIATE A CHILLED WATER PUMP FAILURE ALARM, OPEN THE NORMALLY CLOSED ISOLATION VALVE, AND START THE NEXT PUMP IN THE SEQUENCE. ONCE THE PROBLEM HAS BEEN CORRECTED, THE OPERATOR SHALL BE ABLE TO CLEAR THE ALARM FAILURE AT THE OPERATOR INTERFACE OR BY MANUALLY OVERRIDING THE PUMP ON. THIS SHALL RE-ENABLE THE LEAD/STANDBY SEQUENCE.

CHILLED CONDENSER WATER FLOW CONTROL VALVE:

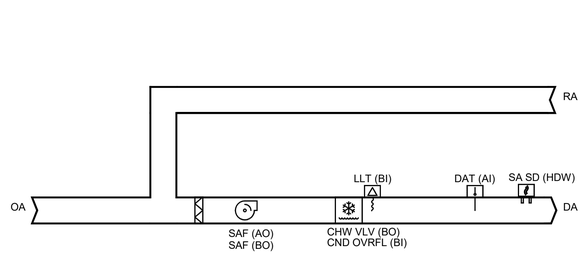
EACH CHILLER INCLUDES A THREE-WAY CONDENSER WATER SUPPLY CONTROL VALVE TO ALLOW REDUCED FLOW INTO THE CONDENSER DURING LOW AMBIENT CONDITIONS TO MAINTAIN SYSTEM HEAD PRESSURE. UNDER NORMAL OPERATING CONDITIONS, THIS VALVE WILL REMAIN CLOSED AND CONDENSER WATER WILL FLOW INTO THE CONDENSER.

EXISTING COOLING TOWER FAN CONTROLS:

SYSTEM TO REMAIN AS-IS.

1 M-9902 CHILLED WATER CONTROLS
SCALE: NTS

Flow Diagram: WLF-FCU-1



SEQUENCE OF OPERATION: WLF-FCU-1

OCCUPIED:

WHEN AN OCCUPIED SIGNAL IS RECEIVED FROM THE EXHAUST FAN CONTROL PANEL INDICATING THE WALL SWITCH HAS BEEN ENGAGED THE UNIT SHALL BE PLACED INTO OCCUPIED MODE AND THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY TO MAINTAIN MINIMUM VENTILATION REQUIREMENTS. THE CHILLED WATER VALVE SHALL CONTROL TO MAINTAIN THE ACTIVE SPACE TEMPERATURE SETPOINT OF 78.0 DEG. F (ADJ.)

UNOCCUPIED:

WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SETPOINT OF 78.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL START, THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED AND THE CHILLED WATER VALVE SHALL OPEN. WHEN THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED COOLING SETPOINT OF 85.0 DEG. F (ADJ.) MINUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.) THE SUPPLY FAN SHALL STOP, THE CHILLED WATER VALVE SHALL CLOSE AND THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED.

SPACE TEMPERATURE CONTROL:

IN UNOCCUPIED MODE, THE UNIT SHALL MAINTAIN ZONE TEMPERATURE BY CONTROLLING THE DISCHARGE AIR TEMPERATURE TO CONTROL THE ZONE TEMPERATURE WHILE MINIMIZING THE FAN SPEED. THE SPACE TEMPERATURE SHALL BE MAINTAINED AT THE OCCUPIED COOLING SETPOINT OF 78.0 DEG. F (ADJ.).

SUPPLY FAN OPERATION:

THE SUPPLY FAN SHALL CYCLE ON DEMAND DURING THE UNOCCUPIED MODE. WHEN THE CONTROLLER IS IN THE OCCUPIED MODE, THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY AT HIGH SPEED TO MEET MINIMUM VENTILATION REQUIREMENTS. THE SUPPLY FAN STATUS SHALL BE MONITORED BY THE ECM MOTOR CONTROLLER. IF THE SUPPLY FAN FAILS THE FAN SHALL BE COMMANDED OFF. A MANUAL RESET SHALL BE REQUIRED TO RESTART THE FAN.

CONDENSATE OVERFLOW:

IF THE CONDENSATE LEVEL REACHES THE TRIP POINT THE BUILDING THE FAN SHALL BE DISABLED AND THE CHILLED WATER VALVE SHALL CLOSE.

FREEZE PROTECTION:

A HARDWIRED, LOW LIMIT TEMPERATURE SWITCH SHALL BE ELECTRICALLY INTERLOCKED WITH THE SAFETY CIRCUIT. IF THE LOW LIMIT TEMPERATURE SWITCH IS TRIPPED 38.0 DEG. F (ADJ.), THE SUPPLY FAN SHALL BE COMMANDED OFF AND THE WATER VALVES SHALL OPEN.

SMOKE DETECTOR SHUTDOWN:

THE UNIT SHALL SHUT DOWN IN RESPONSE TO A SIGNAL FROM THE SMOKE DETECTOR INDICATING THE PRESENCE OF SMOKE. THE SMOKE DETECTOR SHALL BE INTERLOCKED TO THE UNIT THROUGH THE DRY CONTACTS OF THE SMOKE DETECTOR. A MANUAL RESET OF THE SMOKE DETECTOR SHALL BE REQUIRED TO RESTART THE UNIT.

2 M-9902 FAN COIL UNIT CONTROL
SCALE: NTS

TETRA TECH
ENGINEERING BUSINESS NO. 2429
www.tetratech.com
6303 BLUE LAGOON DRIVE, SUITE 305
MIAMI, FL 33126
TEL: (305) 908-1420 FAX: (305) 264-1805

BID SET

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

MIAMI DADE COUNTY DTPW
WILLIAM LEHMAN CENTER
CHILLED WATER PLANT REPLACEMENT
MECHANICAL CONTROLS

PROJ:	200-15769-22008
DESN:	MGS
DRWN:	FFA
CHKD:	KPK

M-9902
20 of 28

1/27/2023 10:03:32 AM BIM 360://200-15769-22008 WLF CHILLER REPLACEMENT/M-LEHMAN CHILLER-v2021.rvt

Bar measures 1 inch, otherwise drawing is not to scale

UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

RPQ No. TP-0000017889

REQUEST FOR INFORMATION NO.2

(RFI)

E-MAILS ATTACHED

From: Yunior Quintana
To: Movilla, Marco (DTPW)
Cc: Clerk of the Board (COC)
Subject: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER
Date: Monday, August 28, 2023 4:32:30 PM
Attachments: image001.png
image002.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good afternoon, Marco,
I hope everything goes well,
here I have an RFI for the following

Can you please clarify with the engineer why there are 125 psi pumps ,125psi air separator , and then a 300-psi expansion tank and the 300-psi pot feeder?

AIR SEPARATOR SCHEDULE

MARK	LOCATION	SERVICE	TYPE	SIZE			MAXIMUM FLOW RATE (GPM)	PRESSURE RATING (PSIG)	PRESSURE DROP (FT.)	POSITION	MANUFACTURER	MODEL	NOTES
				TANGENITAL OPENINGS DIA. (IN.)	DIA. (IN.)	HEIGHT (IN.)							
WLF-AS-1	MECHANICAL ROOM	CHW	CENTRIFUGAL AIR & DIRT SEPARATOR	8	20	46	850	125	1.49	VERTICAL	TACO	AC08F-125	1,2

NOTES:

1. AIR AND DIRT SEPARATOR SHALL BE ASME CONSTRUCTED AND STAMPED SEC. VIII, DIV 1.
2. PROVIDE AIR AND DIRT SEPARATOR WITH BLOWDOWN VALVE AND AIR VENT.

EXPANSION TANK SCHEDULE

MARK	LOCATION	SERVICE	TYPE	SIZE		TOTAL VOLUME (GAL.)	POSITION	MANUFACTURER	MODEL	NOTES
				DIA. (IN.)	HEIGHT (IN.)					
WLF-ET-1	MECHANICAL ROOM	CHW	BLADDER	24	58	60	VERTICAL	TACO	CA30[illegible]	1,2,3

NOTES:

1. EXPANSION TANK SHALL BE ASME CONSTRUCTED AND STAMPED SEC. VIII, DIV 1.
2. EXPANSION TANK SHALL BE CARBON STEEL CONSTRUCTED AND BLADDER SHALL BE HEAVY DUTY BUTYL RUBBER.
3. PROVIDE WITH INTEGRATED BLADDER INTEGRITY MONITOR AND FACTORY PRE CHARGE TO 12 PSI, ADJUSTABLE IN THE FIELD.

CHEMICAL POT FEEDER TANK SCHEDULE

MARK	LOCATION	SERVICE	TYPE	DIA. (IN.)	HEIGHT (IN.)	VOLUME (GAL)	PRESSURE RATING (PSI)	MANUFACTURER	MODEL	NOTES
WLF-CPFT-1	MECHANICAL ROOM	CHW	VERTICAL STYLE DISH BOTTOM OUT	10	29 3/4	5	300	NEPTUNE	DBFC-5	1,2,3,4

Best Regards

Yunior Quintana Prado
Aquarius Air Conditioning & Refrigeration, Inc
Tel: +1 (786)592 1943 | Fax: +1 (786) 592 2943
Email: Yunior@aquariusairconditioning.com|
Web: http://aquariusairconditioning.com/
3100 NW 72 Ave Suite #120 Miami Fl, 33122

From: Yunior Quintana
To: Movilla, Marco (DTPW)
Cc: Clerk of the Board (COC)
Subject: RE: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER
Date: Tuesday, August 29, 2023 11:02:40 AM
Attachments: image002.png
image003.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good morning Mr. Movilla.
Is there any chance that I can make a job side visit with my electrical contractor , please let me know.
Best Regards

Yunior Quintana Prado
Aquarius Air Conditioning & Refrigeration, Inc
Tel: +1 (786)592 1943 | Fax: +1 (786) 592 2943
Email: Yunior@aquariusairconditioning.com|
Web: http://aquariusairconditioning.com/
3100 NW 72 Ave Suite #120 Miami Fl, 33122

From: Yunior Quintana
Sent: Monday, August 28, 2023 4:32 PM
To: marco.movilla@miamidade.gov
Cc: clerkbcc@miamidade.gov
Subject: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

Good afternoon, Marco,
I hope everything goes well,
here I have an RFI for the following

Can you please clarify with the engineer why there are 125 psi pumps ,125psi air separator , and then a 300-psi expansion tank and the 300-psi pot feeder?

AIR SEPARATOR SCHEDULE

MARK	LOCATION	SERVICE	TYPE	SIZE			MAXIMUM FLOW RATE (GPM)	PRESSURE RATING (PSIG)	PRESSURE DROP (FT.)	POSITION	MANUFACTURER	MODEL	NOTES
				TANGENITAL OPENINGS DIA. (IN.)	DIA. (IN.)	HEIGHT (IN.)							
WLF-AS-1	MECHANICAL ROOM	CHW	CENTRIFUGAL AIR & DIRT SEPARATOR	8	20	46	850	125	1.49	VERTICAL	TACO	AC08F-125	1,2

NOTES:

1. AIR AND DIRT SEPARATOR SHALL BE ASME CONSTRUCTED AND STAMPED SEC. VIII, DIV 1.
2. PROVIDE AIR AND DIRT SEPARATOR WITH BLOWDOWN VALVE AND AIR VENT.

EXPANSION TANK SCHEDULE

MARK	LOCATION	SERVICE	TYPE	SIZE		TOTAL VOLUME (GAL)	POSITION	MANUFACTURER	MODEL	NOTES
				DIA. (IN.)	HEIGHT (IN.)					
WLF-ET-1	MECHANICAL ROOM	CHW	BLADDER	24	58	80	VERTICAL	TACO	CA30030	1,2,3

NOTES:

1. EXPANSION TANK SHALL BE ASME CONSTRUCTED AND STAMPED SEC. VIII, DIV 1.
2. EXPANSION TANK SHALL BE CARBON STEEL CONSTRUCTED AND BLADDER SHALL BE HEAVY DUTY BUTYL RUBBER.
3. PROVIDE WITH INTEGRATED BLADDER INTEGRITY MONITOR AND FACTORY PRE CHARGE TO 12 PSI, ADJUSTABLE IN THE FIELD.

CHEMICAL POT FEEDER TANK SCHEDULE

MARK	LOCATION	SERVICE	TYPE	DIA. (IN.)	HEIGHT (IN.)	VOLUME (GAL)	PRESSURE RATING (PSI)	MANUFACTURER	MODEL	NOTES
WLF-CPFT-1	MECHANICAL ROOM	CHW	VERTICAL STYLE DISH BOTTOM OUT	10	29 3/4	5	300	NEPTUNE	DBFC-5	1,2,3,4

Best Regards

Yunior Quintana Prado
Aquarius Air Conditioning & Refrigeration, Inc
Tel: +1 (786)592 1943 | Fax: +1 (786) 592 2943
Email: Yunior@aquariusairconditioning.com|
Web: http://aquariusairconditioning.com/
3100 NW 72 Ave Suite #120 Miami Fl, 33122

From: Yunior Quintana
To: Movilla, Marco (DTPW)
Cc: Clerk of the Board (COC); Muñoz, Alfredo (DTPW); Fernandez, Katherine (DTPW)
Subject: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER
Date: Tuesday, September 5, 2023 12:20:40 PM
Attachments: image002.png
image003.png
image004.png
image005.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good afternoon Mr Movilla
Please see below an RFI for the engineer regarding valves

- Valves identified as WLF-CV-4 and WLF-CV-5
  - M9601 - Schedule calls for Model G7100D Belimo – This is a 4" Globe 3-Way Diverting Valve
  - M9901 – Water Plant Schematic –
    - Keyed Note 1 – Calls them out as "CHWS ACTUATED ISOLATION VALVES"
    - Symbol used is for 4" Globe Isolation Valves that appear to be 2-Way (not 3-Way).
  - M9902 – Mechanical Controls – Shows Chilled Water Isolations Valves as 2-Way in diagram.
  - M9904 – Mechanical Room Perspective – Appears to show 3-Way Valve
  - M3101 – Mechanical Modification Piping – Appears to show 2-Way Valve
  - ***Need to Determine if it is 2-Way or 3-Way Valves are desired, if 3-Way Valves are desired are the Mixing or Diverting?***
  - ***Need to Confirm if it is Flanged Globe Valve or Flanged Butterfly Valve?***
  - ***Need to Confirm 2-Positon Open/Closed (On/Off)***

- Valve identified as WLF-CV-6
  - M9601 – Schedule – Calls for Model F7100D Belimo - This is a 4" Globe 3-Way Diverting Valve
  - M9901 – Water Plant Schematic – Shows a 3-Way Control Valve
  - M9902 – Mechanical Controls –
    - Sequence Describes Controlling Discharge Air Temp (Typically Modulating)
    - FCU Schematic shows CHW VLV (BO)
  - M3101 – Note 10 – 2" Valve
  - ***Need to Confirm if a 2.5" Flanged Globe Valve is desired?***
  - ***Need to Confirm 2-Positon Open/Closed (On/Off) or Modulating (Floating Point/0/2-10VDC)***
  - ***Note 2.5" is the smallest Flanged Globe Valve available for Belimo!***

Best Regards

From: Movilla, Marco (DTPW) <marco.movilla@miamidade.gov>
Sent: Tuesday, September 5, 2023 9:48 AM
To: Yunior Quintana <yunior@aquariusairconditioning.com>
Cc: Clerk of the Board (COC) <Clerk.Board@miamidade.gov>; Muñoz, Alfredo (DTPW) <Alfredo.Munoz@miamidade.gov>; Fernandez, Katherine (DTPW) <Katherine.Fernandez@miamidade.gov>
Subject: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

Good morning Mr. Quintana,

The Department of Transportation & Public Works is currently working on various questions from different vendors. We do recommend to refer to our application (see link below) where you may find all our latest post.

Link:
Miami Dade Procurement

Thank you for reaching out our Department,

Marco Movilla, Engineer II
Capital Improvements Division
Department of Transportation and Public Works (DTPW)
Phone: 305-375-3267

MIAMI - DADE

111 NW 1st Street, Suite 1410, Miami, FL 33128 – 1970
For current solicitations information go to: **https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations**
"Delivering Excellence Every Day"

From: Yunior Quintana <yunior@aquariusairconditioning.com>
Sent: Tuesday, September 5, 2023 9:32 AM
To: Movilla, Marco (DTPW) <marco.movilla@miamidade.gov>
Cc: Clerk of the Board (COC) <Clerk.Board@miamidade.gov>; Muñoz, Alfredo (DTPW) <Alfredo.Munoz@miamidade.gov>; Fernandez, Katherine (DTPW) <Katherine.Fernandez@miamidade.gov>
Subject: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good morning Mr Movilla ,
I hope everyone is going well, is there any update on the RFI's
Best Regards

From: Yunior Quintana <yunior@aquariusairconditioning.com>
Sent: Tuesday, August 29, 2023 2:54 PM
To: Movilla, Marco (DTPW) <marco.movilla@miamidade.gov>
Cc: Clerk of the Board (COC) <Clerk.Board@miamidade.gov>; Muñoz, Alfredo (DTPW) <Alfredo.Munoz@miamidade.gov>; Fernandez, Katherine (DTPW) <Katherine.Fernandez@miamidade.gov>
Subject: Re: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

Thank you

Best Regards

Yunior Quintana Prado
Mechanical Contractor
CMC 1250758
Aquarius Air Conditionig & Refrigeration, Inc
3100 NW 72 Ave Suite 120
Miami FL 33122
Ph 786-592-1943
Fax 786-592-2993
Cell 305-962-6662
E- Mail. Yunior@aquariusairconditioning.com
Web. aquariusairconditioning.com

From: Jonathan Garcia
To: Movilla, Marco (DTPW)
Cc: Clerk of the Board (COC)
Subject: Re: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER
Date: Friday, September 8, 2023 9:07:33 AM
Attachments: image001.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good morning, Marco,

Could you please clarify who is the Mechanical Controls Vendor for the Facility?

Thanks in advance,

Jonathan García
Bids / **Blizzard Air Conditioning, LLC**
Mobile: (305)514-9401
Website: www.blizzardairfl.com
Address: 12201 SW128TH CT STE 107 Miami, FL 33186
Broward Office: 7971 Riviera Blvd Suite 205 Miramar FL 33023

BLIZZARD

From: Castillo, Amanda (DTPW) <Amanda.Castillo2@miamidade.gov>
Sent: Thursday, August 10, 2023 4:38:10 PM
To: Castillo, Amanda (DTPW) <Amanda.Castillo2@miamidade.gov>; kevin_santalucia@hotmail.com <kevin_santalucia@hotmail.com>; andresfonte@aafonte.com <andresfonte@aafonte.com>; jdiaz@ahenvironmentalcorp.com <jdiaz@ahenvironmentalcorp.com>; ajconstructservs@aol.com <ajconstructservs@aol.com>; a1propertyservices@gmail.com <a1propertyservices@gmail.com>; agcontractorscorp@gmail.com <agcontractorscorp@gmail.com>; alexandra@agreenworld-inc.com <alexandra@agreenworld-inc.com>; aservillc@gmail.com <aservillc@gmail.com>; nazrak@ajjglasswork.com <nazrak@ajjglasswork.com>; ar@accooling.com<ar@accooling.com>; iargudin@adaeng.net <iargudin@adaeng.net>; service74@outlook.com <service74@outlook.com>; a.archival@aapconstructiongroup.com <a.archival@aapconstructiongroup.com>; eric@aaryaconstruction.com<eric@aaryaconstruction.com>; yohaleman74@yahoo.com <yohaleman74@yahoo.com>; Jgonzalez@abcconstruction.cc<Jgonzalez@abcconstruction.cc>; aboengineering@me.com <aboengineering@me.com>; abesanchez20@gmail.com<abesanchez20@gmail.com>; absgcinc@gmail.com <absgcinc@gmail.com>; acecds@att.net <acecds@att.net>; acmeorg98@aol.com<acmeorg98@aol.com>; joseangelbustos@acreconstruction.com <joseangelbustos@acreconstruction.com>; dgolding@act-services.com<dgolding@act-services.com>; zoie@chooseapt.com <zoie@chooseapt.com>; debbieg@advancedroofing.com<debbieg@advancedroofing.com>; ds.advantech@gmail.com <ds.advantech@gmail.com>; greg@4aei.com <greg@4aei.com>; antonio.evangelista@aeak.net <antonio.evangelista@aeak.net>; isanyq@yahoo.com <isanyq@yahoo.com>; marcel@ageofempireinc.com <marcel@ageofempireinc.com>; carlos@airatyourdoor.com <carlos@airatyourdoor.com>; info@airbalancedx.com <info@airbalancedx.com>; airconnectionmechanical01@outlook.com<airconnectionmechanical01@outlook.com>; lgharris@airmaticac.com <lgharris@airmaticac.com>; mlorion@airmaxservice.net<mlorion@airmaxservice.net>; ajilconstruction@yahoo.com <ajilconstruction@yahoo.com>; ruben@alenconstructiongroup.com<ruben@alenconstructiongroup.com>; prisann@bellsouth.net <prisann@bellsouth.net>; allconstructionplumbing@gmail.com<allconstructionplumbing@gmail.com>; alldadegeneral@aol.com <alldadegeneral@aol.com>; mcox@afcs-co.com <mcox@afcs-co.com>; allwebbs@allwebbs.com <allwebbs@allwebbs.com>; armando@allied-contractors.com <armando@allied-contractors.com>; mmontanez@altaremodeling.net <mmontanez@altaremodeling.net>; info@amfloridabuilders.com <info@amfloridabuilders.com>; aideline1234@gmail.com <aideline1234@gmail.com>; info@aecontractor.com <info@aecontractor.com>; americanbuildersmasters@yahoo.com <americanbuildersmasters@yahoo.com>; tgonzalez@americanempirebuilders.com<tgonzalez@americanempirebuilders.com>; americanforza@gmail.com <americanforza@gmail.com>; aluna@american-pipeline.com<aluna@american-pipeline.com>; dan@andalegroup.com <dan@andalegroup.com>; steve@anzaccontractors.com<steve@anzaccontractors.com>; contact@apconstructionmgmt.com <contact@apconstructionmgmt.com>; odalys.prado@aquariusairconditioning.com <odalys.prado@aquariusairconditioning.com>; ealeman@aquatrendpools.com<ealeman@aquatrendpools.com>; chodges@atldiversified.com <chodges@atldiversified.com>; arcecontractors@bellsouth.net<arcecontractors@bellsouth.net>; cromero@archonair.com <cromero@archonair.com>; aresconstruction@yahoo.com<aresconstruction@yahoo.com>; alejandro@arisenusa.com <alejandro@arisenusa.com>; arlandis@bellsouth.net<arlandis@bellsouth.net>; luis@atcflorida.net <luis@atcflorida.net>; info@atlas-contractors.com <info@atlas-contractors.com>; ho@auminc.us <ho@auminc.us>; avatarcorp@comcast.net <avatarcorp@comcast.net>; rvera@avrcontractors.com<rvera@avrcontractors.com>; leyvisq@azulejoinc.com <leyvisq@azulejoinc.com>; bnecontractor@gmail.com<bnecontractor@gmail.com>; LAUIRE@ALLIEDBEAN.COM <LAUIRE@ALLIEDBEAN.COM>; bconeng@gmail.com<bconeng@gmail.com>; bazanjcon@aol.com <bazanjcon@aol.com>; mhernandez0426@yahoo.com <mhernandez0426@yahoo.com>; trosell@bdico.com <trosell@bdico.com>; bejarconstruction@msn.com <bejarconstruction@msn.com>; bestoptiongc@gmail.com<bestoptiongc@gmail.com>; bitec3925@bellsouth.net <bitec3925@bellsouth.net>; leroymalcolm3726@gmail.com<leroymalcolm3726@gmail.com>; robertbline@aol.com <robertbline@aol.com>; blizzard.air@hotmail.com <blizzard.air@hotmail.com>; ejaramillo@bhbuilderscorp.com <ejaramillo@bhbuilderscorp.com>; Austin@bofaminc.com <Austin@bofaminc.com>; bossinteriors@bellsouth.net <bossinteriors@bellsouth.net>; richard@brooksandfreund.com <richard@brooksandfreund.com>; dany@builcore.com <dany@builcore.com>; buildexzcorp@msn.com <buildexzcorp@msn.com>; jeffbeauvoir@hotmail.com<jeffbeauvoir@hotmail.com>; info@bpconstructionfl.com <info@bpconstructionfl.co

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kconwell@caconsultingc.com <kconwell@caconsultingc.com>; markm@coolhavenair.com <markm@coolhavenair.com>; jcooper@coopercmc.com <jcooper@coopercmc.com>;monica@corelandconstruction.com <monica@corelandconstruction.com>; paboutin@bellsouth.net <paboutin@bellsouth.net>; cornerinfo@aol.com <cornerinfo@aol.com>; hgiacomelli@cosugasllc.com <hgiacomelli@cosugasllc.com>; rcruz@cpmintl.com<rcruz@cpmintl.com>; createconstruction09@gmail.com <createconstruction09@gmail.com>; cschaffer@criticalpathgc.com<cschaffer@criticalpathgc.com>; jt@crossenv.com <jt@crossenv.com>; csrsanc@gmail.com <csrsanc@gmail.com>; paul@csrheavy.com<paul@csrheavy.com>; fern8620@bellsouth.net <fern8620@bellsouth.net>; pecurtis@curtoom.com <pecurtis@curtoom.com>; robbie@custombuiltmarine.com <robbie@custombuiltmarine.com>; dcatasus@hotmail.com <dcatasus@hotmail.com>; cwest@dwrecreation.com <cwest@dwrecreation.com>; dtorrconstruction@gmail.com <dtorrconstruction@gmail.com>; mario@dacair.net<mario@dacair.net>; dlfservicesllc@gmail.com <dlfservicesllc@gmail.com>; d2con@comcast.net <d2con@comcast.net>; jonathan@dadeconstruction.com <jonathan@dadeconstruction.com>; fpadis02@hotmail.com <fpadis02@hotmail.com>; est@danzcontracting.com <est@danzcontracting.com>; amejia@dmsi.co <amejia@dmsi.co>; sales@daycovenconstructions.com<sales@daycovenconstructions.com>; dbtechconstruction@gmail.com <dbtechconstruction@gmail.com>; services@ddi-management.com <services@ddi-management.com>; dezayasbitar@gmail.com <dezayasbitar@gmail.com>; gary@decktight.com<gary@decktight.com>; alevin@decon.com <alevin@decon.com>; ordedco@bellsouth.net <ordedco@bellsouth.net>; deencon@aol.com<deencon@aol.com>; jdelgado@delkainnovo.com <jdelgado@delkainnovo.com>; pete@denson-construction.com <pete@denson-construction.com>; construction@tagdbi.com <construction@tagdbi.com>; ricardo@diazrussell.com <ricardo@diazrussell.com>; alarson@dockandmarine.net <alarson@dockandmarine.net>; bids@dodecinc.com <bids@dodecinc.com>; domeenterprise@bellsouth.net<domeenterprise@bellsouth.net>; mgemignani@dominionbuild.com <mgemignani@dominionbuild.com>; 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leedconstruction@yahoo.com <leedconstruction@yahoo.com>; lgarcia@legocc.com <lgarcia@legocc.com>; MAISUAREZ@LEMARTEC.COM <MAISUAREZ@LEMARTEC.COM>; leonardgrahaminc@gmail.com <leonardgrahaminc@gmail.com>; info@linardiconstruction.com <info@linardiconstruction.com>; gfernandez@linkconstructiongroup.net<gfernandez@linkconstructiongroup.net>; carmen@llorenscontracting.com <carmen@llorenscontracting.com>; mba@luisandluigiconcrete.com <mba@luisandluigiconcrete.com>; PBonilla@lunaconcorp.com <PBonilla@lunaconcorp.com>; luiyi@lyconstruction.us <luiyi@lyconstruction.us>; info@lynxcs.com <info@lynxcs.com>; alberto@mnconstruction.us<alberto@mnconstruction.us>; smartin@mlsji.com <smartin@mlsji.com>; cvarela.meca@gmail.com <cvarela.meca@gmail.com>; hertata@hotmail.com <hertata@hotmail.com>; maestreconstruction@gmail.com <maestreconstruction@gmail.com>; info@mcisitework.com <info@mcisitework.com>; mariohipo@yahoo.com <mariohipo@yahoo.com>; magiccoolair@msn.com<magiccoolair@msn.com>; PETE@MCM-US.COM <PETE@MCM-US.COM>; 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Cc: Movilla, Marco (DTPW) <Marco.Movilla@miamidade.gov>; Muñoz, Alfredo (DTPW) <Alfredo.Munoz@miamidade.gov>; Fernandez, Katherine (DTPW) <Katherine.Fernandez@miamidade.gov>; Viaud, Daniel (DTPW) <Daniel.Viaud@miamidade.gov>; Carbonell, Patricia (DTPW) <Patricia.Carbonell@miamidade.gov>; Clerk of the Board (COC) <Clerk.Board@miamidade.gov>

Subject: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER

Good afternoon,

Please see the attachment, for the above-mentioned project.

For current solicitations information go to**:**

https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations

Thank you.

Amanda Castillo, Clerk 3
Capital Improvements Division
Department of Transportation and Public Works
111 NW 1st Street, Suite 1410 - Miami, Florida 33128-1970
Phone: 305.375.5386 ***https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations***

From: Dee Coakley
To: Movilla, Marco (DTPW)
Cc: Clerk of the Board (COC); Castillo, Amanda (DTPW)
Subject: RE: TP-0000017889 UPGRADE CHILLER UNITS AT WILLIAM LEHMAN CENTER
Date: Friday, September 8, 2023 10:54:03 AM
Attachments: image001.png
image003.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Marco,

I have a few questions:

1. Sheet E-9602, Keyed Note 6.
- The line diagram above shows a Vender furnished chiller control system for each of the 2 chillers.
- This unit is normally attached to the chiller and comes already assembled on the chiller.
- For this item, will electrical need to mount and assemble, or we just bring power to it?

2. Will all the new conduits need to be rigid metal conduit or only for conduit below the 8ft mark? And EMT above the 8ft mark?

3. I do not see any low voltage/control wiring.
- Yet in mechanical sheets I see (5) electrical control valves, (1) thermostat.
- Also control sheet that states for reference only, existing to remain.

Thank you,

Dee Coakley|President
dcoakley@coakleycmc.com
Coakley Mechanical Inc.
16155 SW 117 Ave Building B-6
Miami, FL 33177
OFF: 305-234-9922|FAX: 305-234-9977

From: Movilla, Marco (DTPW) <marco.movilla@miamidade.gov>
Sent: Wednesday, August 23, 2023 2:01 PM
To: Dee Coakley <dcoakley@coakleycmc.com>
Cc: Clerk of the Board (COC) <Clerk.Board@miamidade.gov>; Castillo, Amanda (DTPW) <Amanda.Castillo2@miamidade.gov>

From: Olnice Prophete
To: Movilla, Marco (DTPW)
Subject: Upgrade Chiller Units at William Lehman Center RFI
Date: Monday, September 11, 2023 9:54:47 AM
Attachments: image001.png
image002.wmz
image003.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good morning, hope all is well,

I know during the pre-bid meeting you mentioned that there will be Stand-alone controls (manual controls system). Is there by any change you have drawings for the existing controls and the company of the existing controls of the site.

Thank you,

Best regards,

OnAir MECHANICAL & ELECTRICAL

Olnice Prophete
Estimator l OnAir, Inc.
P: (305) 705-5701
E: estimating@onairus.com
A: 7337 NW 54th ST Miami, FL 33166
www.onairus.com