



Village of Tequesta
345 Tequesta Drive
Tequesta, FL 33469

Attn: Sam Heady, Deputy Director of Utilities
RE: Degasifier Blower No.1

Dear Mr. Heady:

It is our understanding that the FRP Blower on Degasifier No.1 was inspected by the manufacturer as part of their recent site activities pursuant to cleaning operations. We also understand that this blower, now 15 years old, is showing signs of failure, and this was confirmed by operational staff. It should also be noted that this blower has an older style inlet filter that is less effective at noise reduction than the one on Degasifier No.2. We have recommended urgent attention to replacement of the blower since there is a potential for rapid deterioration and failure.

Accordingly, we have secured a quotation for removal and replacement, attached, from the original equipment vendor. The quote included a new filter having similar to the other one. It is our opinion that sole sourcing this item to the original vendor is logical and appropriate to ensure proper performance and proper dimensional fit. We recommend proceeding with the procurement and installation of this replacement equipment.

Should you have questions or require anything further, please call.

Very Truly Yours,
ARCADIS U.S., Inc.


William D. Reese, PE
Vice President

encls.

ARCADIS U.S., Inc.
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West Palm Beach
Florida 33411
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WATER RESOURCES

Date:
July 14, 2015

Contact:
William D. Reese, PE

Phone:
561.697.7069

Email:
william.reese@arcadis-us.com

Our ref:
RF005106.0001

Florida License Numbers

Engineering
7917

Geology
GB564

Surveying
LB7062

Imagine the result



Quote # 3020

July 13, 2015

William Reese
Arcadis US
William.Reese@arcadis-us.com

Sam Heady
Tequesta WTP
SHeady@tequesta.org

Re: Tequesta Fan Replacement and Installation

On behalf of Jacobs Air Water Systems (JAWS), I am pleased to send you this quote for procurement and installation of fan and inlet housing for Tequesta WTP. Installation will take approximately THREE (3) days of work. Lead time is 8-10 Weeks ARO

Fan Data:

- 6600 CFm @ 12" wg CW THD
- 19.86 BHP
- 25 HP TEFC motor
- Arr.1
- 316 SS shaft
- Shaft seal
- V-belt drives with guards
- Access door
- Sleeved inlet and Flanged outlet
- Galvanized steel fan frame

Inlet Housing Filter Shown in attached drawings.

Scope of Work for Installation:

- Mobilize to Site
- Lock out Tag out
- Unwire motor from power
- Disassemble and remove existing fan
- Disassemble and remove Inlet Filter
- Install new Fan and Motor
- Install new Inlet Filter
- Wire Motor to Electrical
- Pressure Wash Tower
- Remove Lockout Tagout
- Demobilize

Clarifications

- All Federal Local and State taxes are not Included
- 120 Volt single phase power to be provided by owner within 50 feet
- Potable Water to be provided within 50 feet

Cost for Fan with Installation.....\$38,570.00

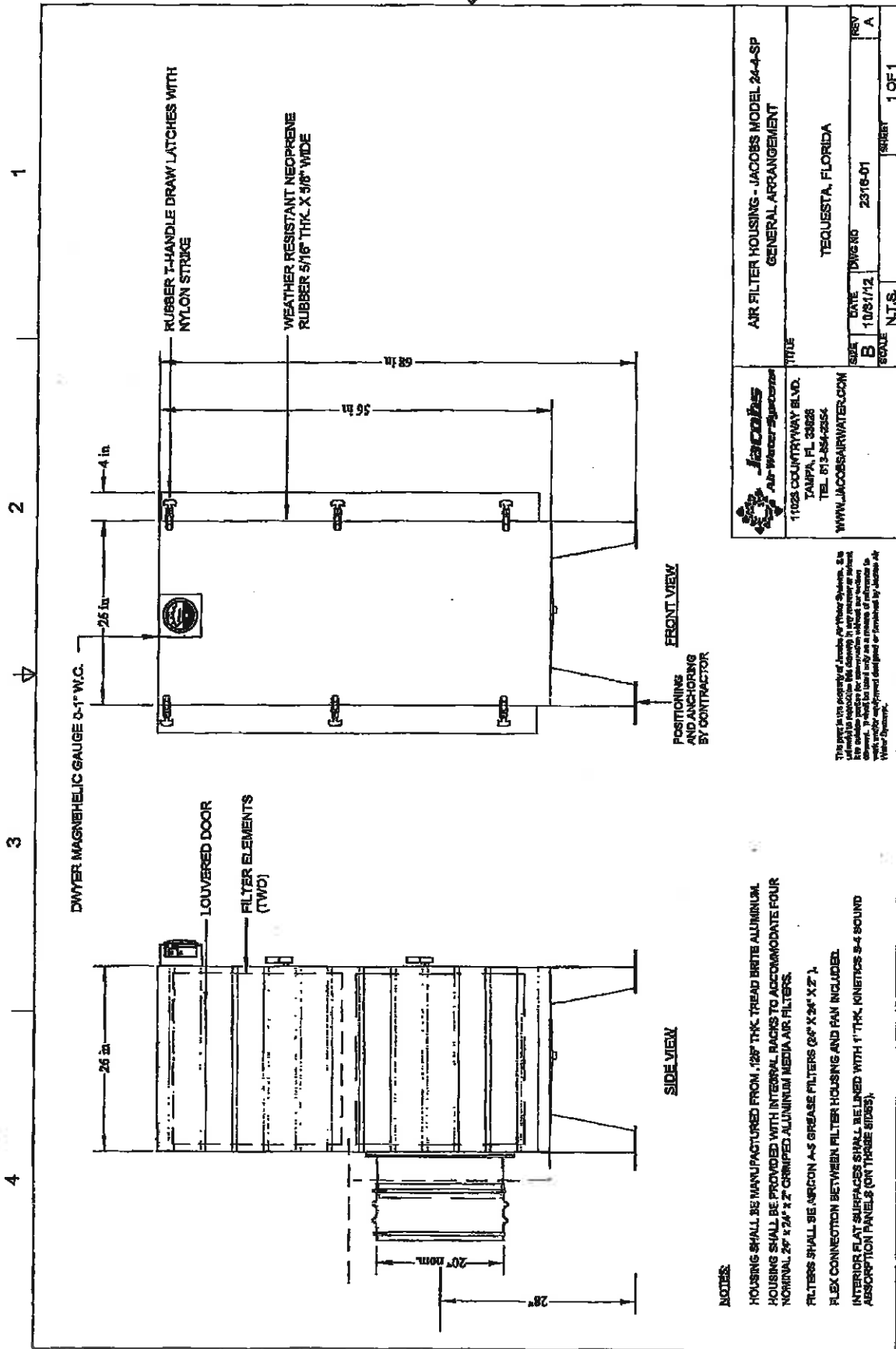
Should any question arise please feel free to contact me at 813.854.2354

Respectfully,



Duggan Jacobs

Jacobs Air Water Systems



NOTES:

- HOUSING SHALL BE MANUFACTURED FROM 1/2" THK. TREAD BRITE ALUMINUM.
- HOUSING SHALL BE PROVIDED WITH INTERNAL BACKS TO ACCOMMODATE FOUR NOMINAL 26" X 24" X 2" CRIMPED ALUMINUM MEDIA AIR FILTERS.
- FILTERS SHALL BE ARGON A-5 GREASE FILTERS (24" X 24" X 2").
- FLX CONNECTION BETWEEN FILTER HOUSING AND PAN INCLUDED.
- INTERIOR FLAT SURFACES SHALL BE LINED WITH 1" THK. KINETICS S-4 SOUND ABSORPTION PANELS (ON THREE SIDES).

		AIR FILTER HOUSING - JACOBS MODEL 24-4-SP GENERAL ARRANGEMENT	
11025 COUNTRYWAY BLVD. TAMPA, FL 33626 TEL 813-864-2554 WWW.JACOBSAIRWATER.COM		TITLE TEQUESTA, FLORIDA	
SDR B	DATE 10/8/12	DWG NO 2316-01	REV A
SCALE N.T.S.		SHEET 1 OF 1	

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