DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION

1919 Alliant Energy Center Way Madison, Wisconsin 53713 Office: 608/266-4018 ♦ Fax: 608/267-1533 Public Works Engineering Division Public Works Solid Waste Division

ADDENDUM

May 2, 2018

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 317049 - ADDENDUM NO. 3

BIOGAS FACILITY CONSTRUCTION

BIDS DUE: May 10, 2018, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE NOTE THE FOLLOWING CONTRACTOR SUBMITTED QUESTIONS:

Q1: In regards to the steel pipe that leads to the ANR pipeline, it is recommended a higher grade pipe be used to produce specified minimum yield strength (SMYS) levels below 20%. This may minimize the transmission gas main O&M requirements into the future pending classification. Can the grade of pipe to be used be confirmed?

A1: The steel pipe that leads to the ANR pipeline is to be A333 Grade 6.

Q2: Are the A333 steel pipe and fitting ANR requirements required for any portion of the 4" high pressure steel line that connects to ANR?

A2: See A1 above.

Q3: Has the A106 pipe material been approved by ANR for the 4" steel pipe that connects to ANR? A3: See A1 above.

Q4: Are the special -50 deg F welding requirements required for any portion of the 4" line that connects to ANR?

A: The special -50 deg F welding requirements will be required for the entire 4" line that connects to ANR, including welding with Cellulose/Low Hydrogen procedure above and below grade.

Preliminary drawings from John Zink have been included in this addendum for costing purposes only, exact layouts and dimensions will change. If any additional information about this Addendum is needed, please call John Welch at 608/516-4154, Welch@countyofdane.com.

Sincerely,

John Welch

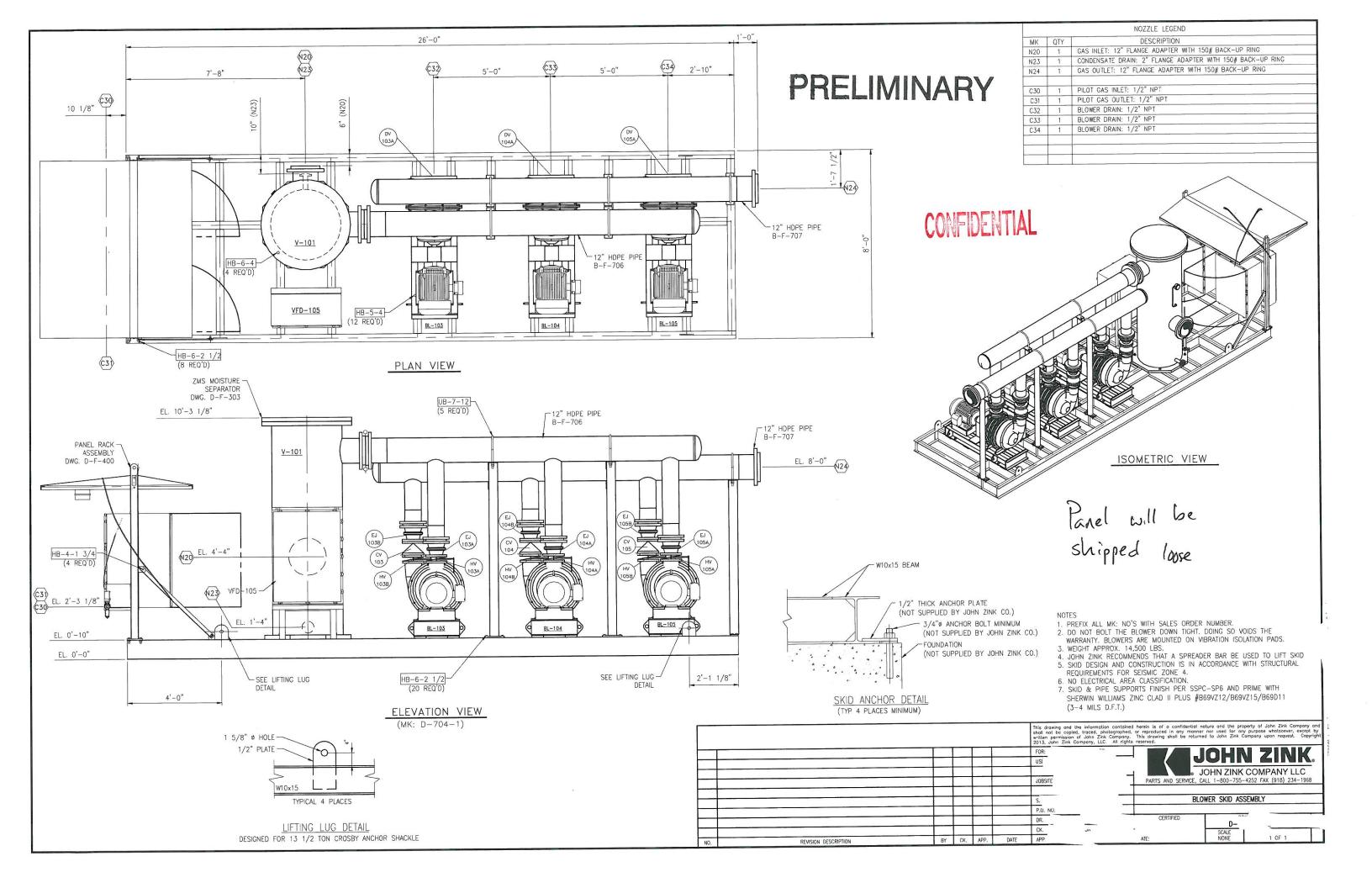
Project Manager

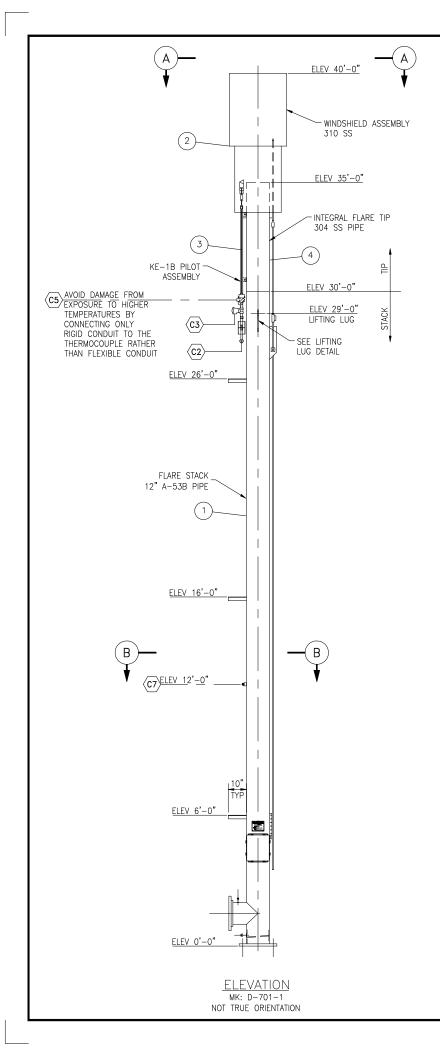
Enclosures:

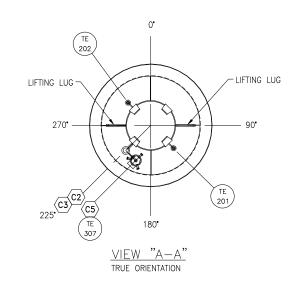
Attachment #1 – John Zink Blower/Flare **Preliminary** Drawings

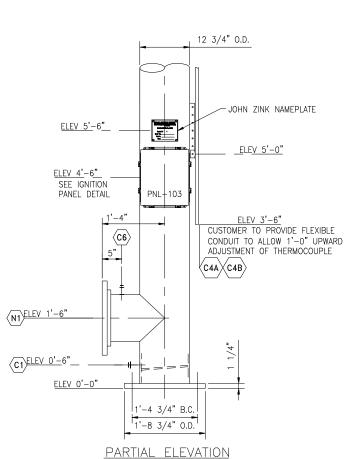
Addendum No. 1

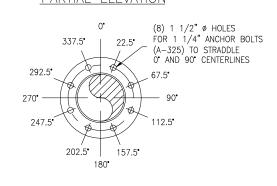
Bid No. 317049 - 1 - rev. 04/18



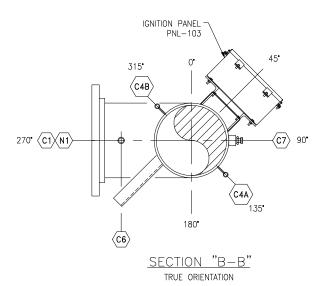


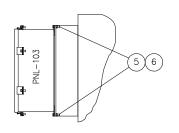




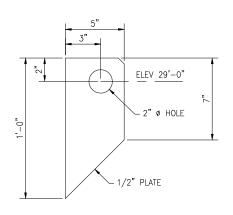








IGNITION PANEL DETAIL SHIPPED LOOSE FOR FIELD INSTALLATION



LIFTING LUG DETAIL TYPICAL TWO PLACES

		PARTS LIST						
ITEM	QTY	DESCRIPTION	MK: NO	MATERIAL				
1	1	ELEVATED ZEF FLARE	D-701-1					
2	1	WINDSHIELD ASSEMBLY	ST10384					
3	1	KE-1B PILOT ASSEMBLY	ST10358-1					
4	2	MAIN FLAME THERMOCOUPLE	TE-201/TE-202					
5	4	BOLT, HEX HD: 1/4" x 1" LG (PLATED)	HB-2-1	A-307				
6	4	NUT, REG HEX: 1/4-20NC (PLATED)	HN-2	A-307				
		NOZZLE LEGEND						
MK	QTY	DESCRIPTION						
N1	1	GAS CONNECTION: 12" 150# F.F.						
C1	1	DRAIN - 1" 3000# FNPT WITH PLUG						
C2	1	PILOT GAS CONN - 1/2" FNPT						
C3	1	PILOT CONDUIT CONN - 1/2" FNPT						
C4A	1	THERMOCOUPLE CONDUIT CONNECTION - 1/2" FNPT						
C4B	1	THERMOCOUPLE CONDUIT CONNECTION - 1/2" FNPT	THERMOCOUPLE CONDUIT CONNECTION - 1/2" FNPT					
C5	1	PILOT THERMOCOUPLE CONDUIT CONNECTION - 3/4" FNPT						

DESIGN	DATA

1 TEMPERATURE CONNECTION - 1/2" FNPT WITH PLUG

1 FLOW METER CONNECTION - 1" FNPT WITH PLUG

WINDLOAD (PER ASCE 7-95)	
SEISMIC (PER UBC-1994)	ZONE 4
SHEAR @ BASE	1,600 LB
MOMENT @ BASE	_ 37,000 LB-FT
DEADLOAD	
SHELL DESIGN TEMPERATURE	
CORROSION ALLOWANCE	0.0

- GENERAL NOTES

 1. TAG NUMBERS TO BE PRECEDED BY JOHN ZINK SALES ORDER NUMBER.

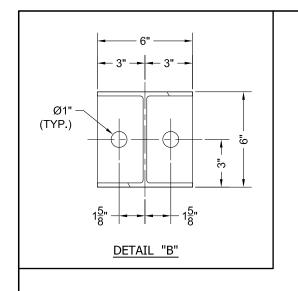
 2. FLARE ASSEMBLY IS NOT TO BE USED AS AN ANCHOR POINT FOR CUSTOMER PIPING.

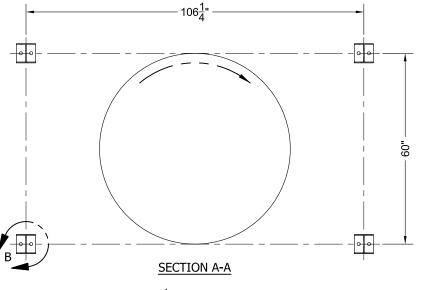
 3. PRE-TENSION ANCHOR BOLTS BY THE "TURN OF THE NUT" METHOD/AISC.

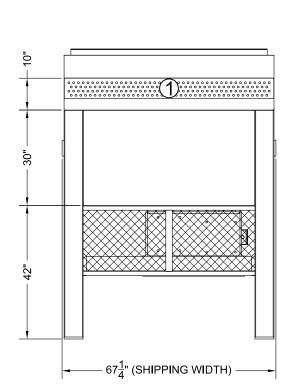
 4. BOLT HOLES TO STRADDLE NORMAL CENTER LINES UNLESS NOTED.

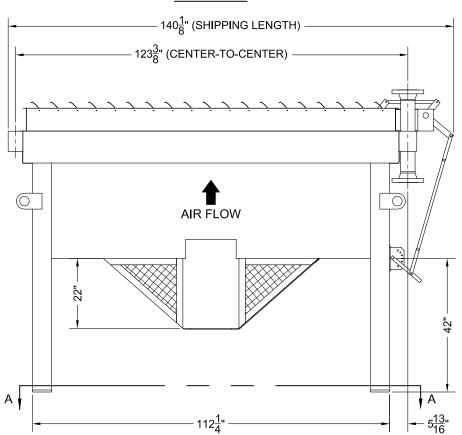
 5. FINISH EXTERIOR CARBON STEEL ONLY. SANDBLAST PER SSPC-SP-6 AND PRIME WITH SHERWIN WILLIAMS ZINC CLAD II PLUS #B69VZ12/B69VZ15/B69D11 (3-4 MILS D.F.T.)

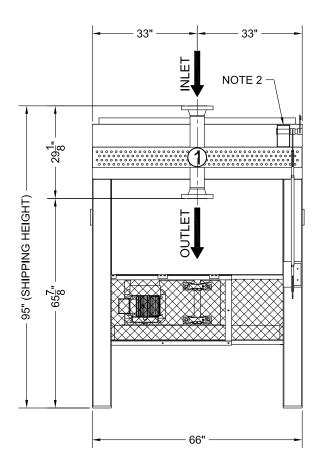
							This drawing and the information contained herein is of a confidential nature and the property of John Zink Company and shall not be copied, traced, photographed, or reproduced in any manner nor used for any purpose whatsoever, except by written permission of John Zink Company. This drawing shall be returned to John Zink Company upon request. Copyright 2011, John Zink Company, Ltc. All rights reserved.				
						FOR:		JOHN ZINK.			
						USER:					
								JOHN ZINK COMPANY LLC			
						JOBSITE:		PARTS AND SERVICE, CALL 1-800-755-4252 FAX (918) 234-1968			
								ELEVATED ZEF BIOGAS FLARE			
						S.O. NO. BF-		12 " ø x 35' H.			
						P.O. NO.		MODEL ZEF1235		235	
						DR.	DATE:	CERTIFIED		RAWING NUMBER	REV.
						CK.	DATE:			D-F-301	0
NO.	REVISION DESCRIPTION	BY	CK.	APP.	DATE	APP.	DATE:	DATE:	SCALE NONE	1 of 1	











REFERENCE

NOTES:	MOTOR DATA	FAN DATA	REFERENCE DIMENSIONS				REVISIONS				
	FRAME:	TYPE:	COIL	DIM "A"	DIM "B"	DIM "C"	DIM "D"	REV	DESCRIPTION DA ⁻	LE B,	ίΥ
	HP:	SERIES:	1								
	RPM:	HP:	2								
	ENCLOSURE:	RPM:	3								
	VOLTAGE:	DIAMETER:	4								
	PHASE:	BLADES:	5								
	CYCLES:	PITCH:	6								

		OTOLES.	[РПОП.	U		
		CC	DIL DATA			
COIL 1	COIL 2	COIL 3	COIL 4	COIL 5	COIL 6	
SERVICE:	SERVICE:	SERVICE:	SERVICE:	SERVICE:	SERVICE:	
DESIGN/TEST PRES:						
MDMT/DESIGN TEMP:	─ cu					
ASME CODE STAMP:						
NATIONAL BOARD:						
CONNECTIONS	CONNECTIONS	CONNECTIONS	CONNECTIONS	CONNECTIONS	CONNECTIONS	
INLET:	INLET:	INLET:	INLET:	INLET:	INLET:	
OUTLET:	OUTLET:	OUTLET:	OUTLET:	OUTLET:	OUTLET:	
AUX:	AUX:	AUX:	AUX:	AUX:	AUX:	ES
AUX:	AUX:	AUX:	AUX:	AUX:	AUX:	\neg
LOUVER / GUARD	10					
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ENGINEERING CO., INC.

P.O. Box 700005
Tulsa, Oklahoma 74170
(918) 252-2571
(918) 252-2574 Fax

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STOMER:	BY: DNA DATE: 03/29/2018				
	SPEC. SHEET:				
	P.O. #:				
T. SHIP WT: LBS.	DRAWING REVIS	ION #: 0			
NE MODEL: <u>H-60-10</u>	DRAWING NO.: REFERENCE				

