

ADDENDUM No. 1

ITB No. 4550

WTP Ozone Generation Building Chiller Replacement

Bids Due: Monday, September 24, 2018 at 2:00 P.M. (Local Time)

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for WTP Ozone Generation Building Chiller Replacement, ITB No. 4550, on which proposals will be received on/or before Monday, September 24, 2018, at 2:00 P.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes five (5) pages.**

Bidder is to acknowledge receipt of this Addendum No. 1, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

<u>Section/Page(s)</u>	<u>Change</u>
BF-1	As provided in ITB No. 4550 Bid Document: Bid Form, Section 1 – Schedule of Prices as Page BF-1 and BF-2 As updated herein: Bid Form, Section 1 – Schedule of Prices as Pages BF-1 and BF-2. Correction of 60 Ton Chiller to 40 Ton Chiller

Comment: The intent with this change is to correct chiller size.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Offerors are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Could you please clarify if the Building Automation System (BAS) or a local controller is to be provided with chiller package.

Answer 1: Set points and alarms will be transmitted to and from the Plant Control System (no control), the chiller manufacturer is to provide a control package for both chillers.

Question 2: What should be done with the abandoned conduits.

Answer 2: Install a pull string and cap.

Question 3: Can triple duty valves be use off the new pumps in lieu balancing valve & check valve?

Answer 3: No, please bid as specified.

Question 4: Will a new bid form be issued showing 40-ton chiller in lieu of 60-ton chiller?

Answer 4: Form BF-1 has been updated to reflect a 40-ton chiller.

Question 5: Is underground refrigerant piping to be insulation with aluminum jacket?

Answer 5: Yes.

Question 6: How far does the existing RPZ get relocated?

Answer 6: Please refer to Detail 2 on Sheet M-103.

Question 7: Does the refrigerant relief valve / piping run out thru roof or thru side wall?

Answer 7: No additional penetrations are allowed thru the roof, please route thru the side wall.

Question 8: Any asbestos or lead paint removal?

Answer 8: The building was building after 1995, not no asbestos or lead paint removal is expected.

Question 9: On M-103 Detail 3, notes call for new pump with inertia base. After the walkthrough it doesn't appear that the pump can be raised enough for the inertia base due to the space from pump to the existing shut off valve. Could these pumps be set on rubber and cork pads? Please advise.

Answer 9: Please bid as specified, the specified manufactures have confirmed inertia bases will fit.

Respondents are responsible for any conclusions that they may draw from the information contained in the Addendum.

BID FORM

Section 1 – Schedule of Prices

Company: _____

Project: **WTP Ozone Generation Building Chiller Replacement**

Base Bid

Trane Equipment ~~60~~ 40 and 100 Ton Chiller

For the entire work outlined in these documents for **WTP Ozone Generation Building Chiller Replacement**, complete as specified, using equipment and materials only of the type and manufacturers where specifically named with warranty of two (2) years from commissioning dates of each chiller.

_____ (\$_____)

(Amount shall be shown in both work figures. In case of a discrepancy, the amount shown in words shall govern.)

Alternate #1

Substitute Equipment ~~60~~ 40 and 100 Ton Chiller

For the entire work outlined in these documents for **WTP Ozone Generation Building Chiller Replacement**, complete as specified, using equipment and materials only of the type and alternative manufacturers where specifically named with warranty of two (2) years from commissioning dates of each chiller. Must complete Bid Form Section 2 (BF-2) - Material, Equipment and Environmental Alternates.

Manufacturer: _____

Add / Deduct (Must Circle One) to Base Bid.

(In case of non-selection, the amount will be added to the Base Bid.)

_____ (\$_____)

(Amount shall be shown in both work figures. In case of a discrepancy, the amount shown in words shall govern.)

Alternate #2

Warranty Extension Bid – Trane ~~60~~ 40 Ton Chiller Only

Additional cost for an additional three (3) years for a total of five (5) years of warranty. Warranty costs will include all necessary maintenance, material (chemicals) and labor as required.

_____ (\$_____)

(Amount shall be shown in both work figures. In case of a discrepancy, the amount shown in words shall govern.)

Alternate #3

Warranty Extension Bid – Trane 100 Ton Chiller Only

Additional cost for an additional three (3) years for a total of five (5) years of warranty. Warranty costs will include all necessary maintenance, material (chemicals) and labor as required.

_____ (\$_____)

(Amount shall be shown in both work figures. In case of a discrepancy, the amount shown in words shall govern.)

Alternate #4

Warranty Extension Bid – Substitute ~~60~~ 40 Ton Chiller Only

Additional cost for an additional three (3) years for a total of five (5) years of warranty. Warranty costs will include all necessary maintenance, material (chemicals) and labor as required.

Manufacturer: _____

_____ (\$_____)

(Amount shall be shown in both work figures. In case of a discrepancy, the amount shown in words shall govern.)

Alternate #5

Warranty Extension Bid – Substitute 100 Ton Chiller Only

Additional cost for an additional three (3) years for a total of five (5) years of warranty. Warranty costs will include all necessary maintenance, material (chemicals) and labor as required.

Manufacturer: _____

_____ (\$_____)

(Amount shall be shown in both work figures. In case of a discrepancy, the amount shown in words shall govern.)

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Consultant

Notes

REVISION	DATE	BY	APP'D
ADDENDUM	2018.09.19	GS	WA
REVISION	YYYY.MM.DD	By	Appd
FINAL CLIENT REVIEW	2018.08.07	GS	WA
Issued	YYYY.MM.DD	By	Appd
File Name: 2075139804_E-101	2018.08.07	GK	JW
	YYYY.MM.DD	Dwn.	Chkd.

Permit/Seal

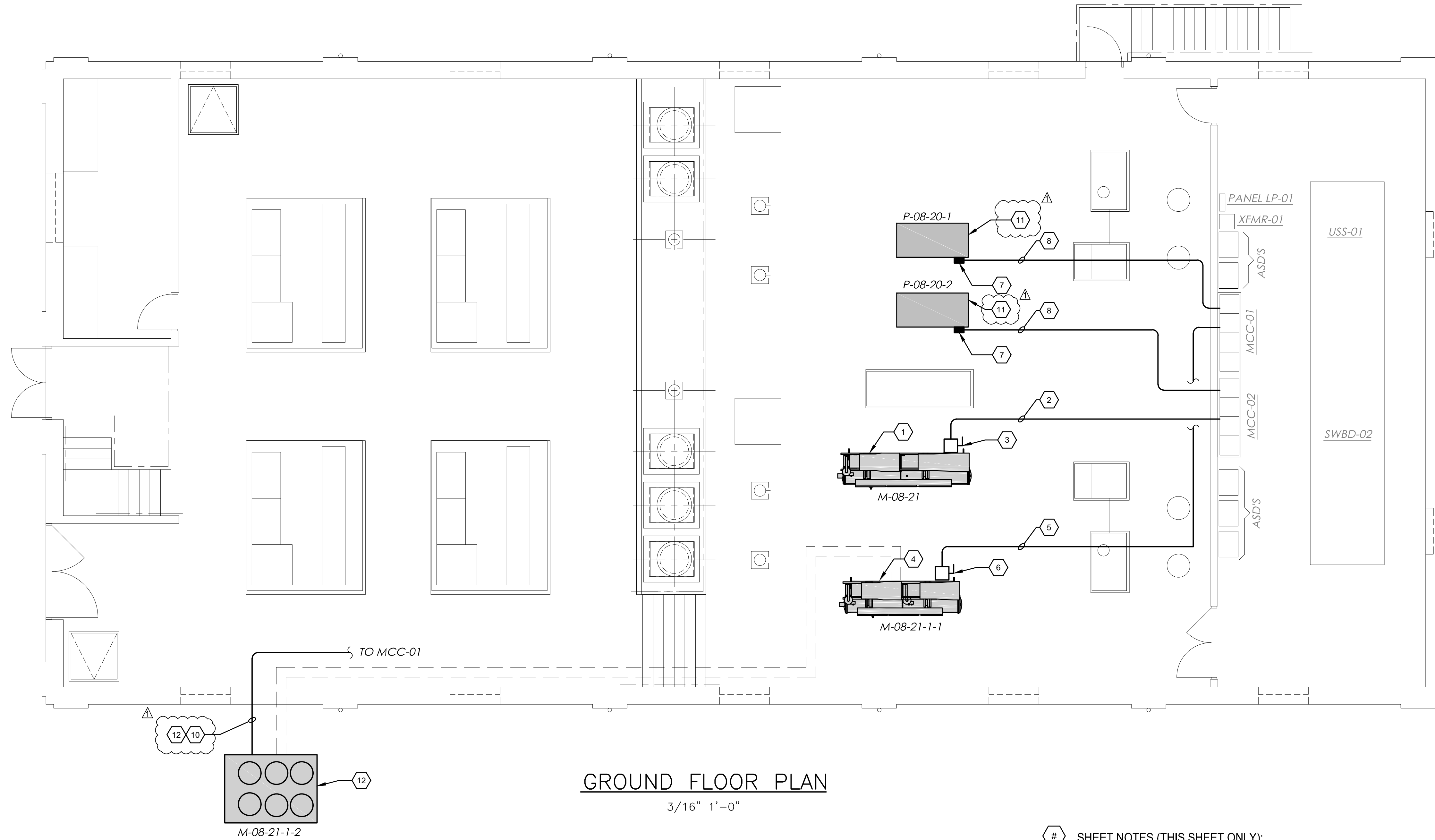
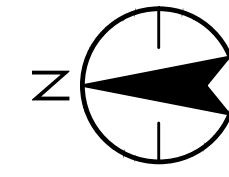
Client/Project Logo

Client/Project
CITY OF ANN ARBOR

WTP OZONE GENERATION BUILDING
CHILLER REPLACEMENT
ANN ARBOR, MI

Title
ELECTRICAL
NEW WORK PLAN
480V

Project No. 2075139804	Scale AS NOTED
Revision Sheet 0 8 of 11	Drawing No. E-101



GROUND FLOOR PLAN
3/16" 1'-0"

SHEET NOTES (THIS SHEET ONLY):

1. NEW 100 TON CHILLER.
2. EXISTING CHILLER FEEDER TO BE RE-USED, EXTEND WITH 2" RGS WITH 3 - #2 & #4 GND AS REQUIRED.
3. 400A NEMA 1 1/2R FUSED DISCONNECT.
4. NEW 40 TON CHILLER.
5. EXISTING CHILLER FEEDER TO BE RE-USED, EXTEND WITH 1 1/2" RGS WITH 3 - #1 & #6 GND AS REQUIRED.
6. 200A NEMA 3R FUSED DISCONNECT.
7. 40 HP, 480V, 3Ø, VARIABLE FREQUENCY DRIVE, NEMA 1/12 MOUNTED ON S.S. UNISTRUT TOWER.
8. 1" RGS WITH 3 - #6 & #8 GND.
9. EXISTING CONDENSER FEEDER TO BE RE-USED, EXTEND WITH 3/4" RGS WITH 3 #12 & #12 GND AS REQUIRED.
10. NEW 40 TON OUTDOOR CONDENSER.
11. NEW COOLING WATER PUMPS AND MOTORS.
12. EXISTING UNDERGROUND CONDUIT TO BE REPLACED W/ PVC SCHEDULE 80. CONDUIT TO BE A MINIMUM OF 36" BELOW GRADE W/ EXPANSION JOINTS AS REQUIRED.