



Purchasing Services
Post Office Box 2570
Waco, Texas 76702-2570
Phone: 254-750-8062
Fax: 254-750-8063
www.waco-texas.com

Date: 10/12/2020
RFB No: **2020-054**
Commodity: **WMARSS Central Plant North Blower MCC (Motor Control Center)
Replacement Project**
Purchasing Agent: **Mr. Tim Cubos**

Closing Time: 2:00 P.M. CST, Friday, October 23, 2020
Opening Time: 2:01 P.M. CST, Friday, October 23, 2020

RFB Opening Location: Operations Center, Purchasing Services Office, 1415 N. 4th St.,
Waco, TX 76707

Addendum No: 3

The above-mentioned RFB invitation has been changed in the following manner. **Sign and return addendum to the Purchasing Office by the closing time and date with your RFB response.** Returning this page signed by your authorized agent will serve to acknowledge this change. All other requirements of the invitation remain unchanged. If you have any questions, please call or stop by the Purchasing Office at the above address.

- 1. The following pages has answers to questions raised, and clarifications to the specifications. Please review and note the changes.**
- 2. The following Page E-16 is a revision to the original Page E-16. Please use this revised page when calculating your bid and during construction.**

Firm: _____

Address _____

Signature of Person
Authorized to Sign Bid: _____

Signor's Name and Title
(print or type): _____

E-mail Address: _____

Date: _____ Telephone: _____ Fax: _____

**CITY OF WACO
OFFICIAL BID SHEET
BID INVITATION NO: RFB 2020-054
WMARSS Central Plant North Blower MCC (Motor Control Center)
Replacement Project**

Questions and Answers from the pre-bid meeting and thereafter:

1. Both Spec section 16350 (MCC) & section 16357 (Reduced Voltage Solid State Starters) state manufacture shall be GE or approved equal. Does that mean GE is the only option? is it acceptable to provide the other brand? such as Rockwell, Siemens, Eaton.

The RFB has specified GE equipment. Other brands that have been approved for use include Allen-Bradley, Eaton, and Square D.

2. Spec section 16280 (APFCC Unit) states manufacture shall be STACO Energy Products model StacoVAR or approved equal. Does that mean STACO is the only option? is it acceptable to provide the other brand? such as ABB, TCI?

Contractors are to provide bids with the specified STACO Energy Products. Other brands will be discussed after the bid award during the submittal portion of the project. The contractors should be prepared to supply the specified product.

3. Page 81 of the specifications calls for burnished CMU. Burnished CMU is up charged per each face that is ground smooth. Can you tell me if both faces are to be smooth or only one?

The wall is an interior wall. Both sides need to be burnished.

4. The foundation drawing 01/S-1 does not provide any details. Are we demolishing the slab for the new walls and installing a thickened foundation underneath the walls or no?

Please see the response to Question #9

5. Durolast roofing is called out for flashing in the roof curb. Would you happen to know who the original roof was installed by? I am assuming Parsons, but it is best that they install the flashing to maintain warranty.

Parsons Roofing installed the existing roof. It is still under warranty. The contractor must hire Parsons Roofing to perform all roof related work. The contractor is responsible for the roof work and must ensure the warranty is not violated and all the new roof work is warranted by Parsons when complete.

6. The locations of the control panels next to each blower motor appears to be in the way of replacing the motor if necessary. It was suggested at the walk thru that they be relocated to the wall next to each blower. Please verify that this will be acceptable.

Yes, this is acceptable. The blower control panels shall be mounted on the wall and the conduits run overhead and down the fabricated support post. All contractors are to provide bids taking into account the blower control panels will be moved.

7. The location of the ladder tray will obstruct the existing light fixtures. Do we need to include lowering the lights or relocating them in our bid?

Yes, allow in bid for lowering the existing light fixtures as required to accommodate the new cable tray.

8. Detail 301 for the conduit support to the motors, shown on sheet E-16, appears to show the 3" rigid conduit inside the 6" square tubing, is this correct or is it located on the outside of the square tubing? What material is the conduit support to be made out of? Aluminum or steel?

The 3" conduit is on the outside of the 6" square tube support. Reference attached revised sheet E-16.

9. On sheet S-4, detail 02, shows installing a thickened slab under a non-load bearing CMU wall, this is not shown on sheet S-1 in the detail for the foundation plan. Do we need to include cutting the existing slab and installing the thickened slab per detail 02 on sheet S-4?

No, the thickened slab is not required. The detail reference for that wall, S-2/01 is correct. Detail S-4/02 does not apply to this project. That detail was for non-load bearing CMU walls where the slab is new. We do not have that case. Also, section mark S-1/04 on sheet S-1 is mislabeled. It should have been S-2/04.

10. Could you please tell me what level of hardware you are wanting on the doors?
Grade 1?

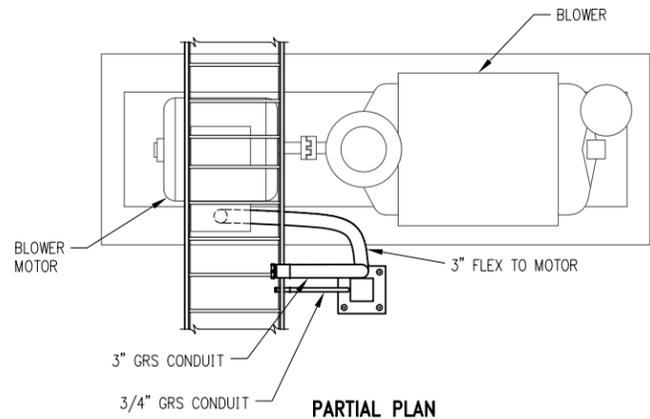
Yes, Grade1, 316 Stainless Steel Hardware

11. The drawing calls out two temperature transmitters to be installed in the Engine room and the blower room, but the model number given is for a pressure transmitter. Could you please provide the model number required for the temperature transmitters?

12. The drawing calls out two temperature transmitters to be installed in the Engine room and the blower room, but the model number given is for a pressure transmitter. Could you please provide the model number required for the temperature transmitters?

Reference drawing E-08, Note 1. Change the Rosemount model number to 214CRTSMB1D3E0040SLE5A with R1C1V20Q4TB sensor.

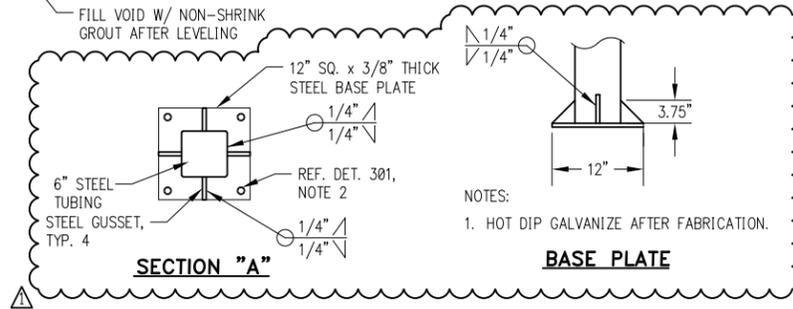
Z:\22.087\Drawings\Phase III\Electrical\North Plant Blower MCC Replacement\02 MCC 8 Replacement\ProjectE-16 Details III.dwg



301 CONDUIT SUPPORT TO MOTOR

NOT TO SCALE

- NOTES:
- 6" NON-TAPERED SQUARE STEEL TUBING SUPPORT, 7 GA. WALL THICKNESS. HEIGHT AS REQUIRED. TUBING SUPPORT SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
 - HILTI HIT-RE 500 V3 SAFE SET SYSTEM WITH 5/16" HILTI HAS THREADED ROD. MINIMUM 6" EMBEDMENT. TYPICAL 4 PLACES EACH SUPPORT STAND.
 - SUPPORT STAND SHOWN FOR BLOWER No.1 AND IS TYPICAL FOR 5 BLOWERS
 - GROUND TUBING SUPPORT WITH POLE GROUND LUG AND #2 TPC CADWELD TO CABLE TRAY.



302 DETAIL-CONDUIT TO TRAY ADAPTER

NOT TO SCALE

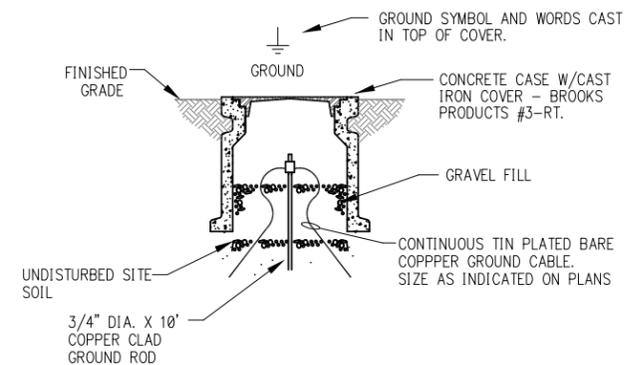
- NOTES:
- INSTALL GROUND BUSHING AT THE END OF CONDUIT AND BOND TO CABLE TRAY.

BYRANT #GFR82FT-GRY HOSPICAL GRADE, 20 AMP GFCI RECEPTACLE W/ BRYANT #RBS781-0 WEATHERPROOF FLIP LID DEEP COVER

- NOTES:
- FLIP LID SHOWN HELD OPEN.
 - ATTACH TO WALL WITH 1/4" 316 SST BOLT INTO DRILLED EXPANSION SHIELD. ATTACHED TO STANCHION OR METAL PLATE WITH 1/4" 316 SST BOLTS, WASHERS, AND NUTS.
 - COVERS SHALL BE SUITABLE FOR WET LOCATIONS & SHALL BE GASKETED.
 - COVER WITH PLUG CAP INSERTED SHALL CARRY UL WET LOCATION LISTING.
 - PROVIDE ONE ASSEMBLY FOR EACH WP/GFCI LOCATION.

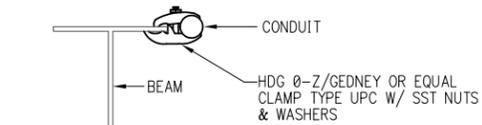
303 TYPICAL WP/GFCI DEVICE

NOT TO SCALE



305 GROUND ROD & WELL

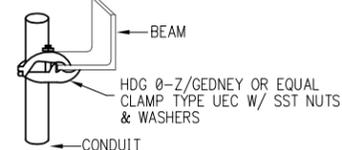
NOT TO SCALE



PARALLEL CONDUIT SUPPORT



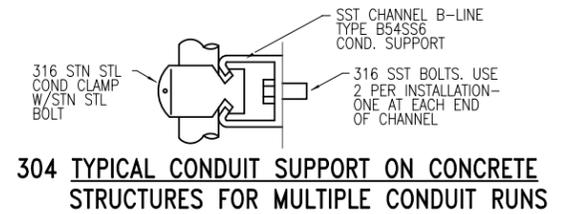
RIGHT ANGLE CONDUIT SUPPORT



EDGE TYPE CONDUIT SUPPORT

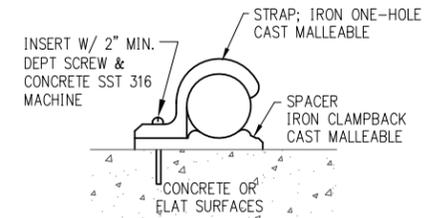
307 TYPICAL CONDUIT SUPPORT DETAILS

NOT TO SCALE



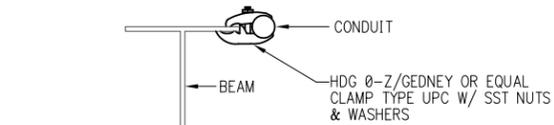
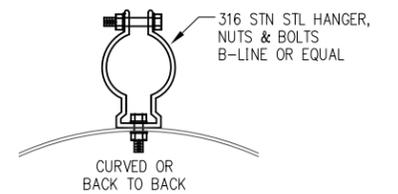
304 TYPICAL CONDUIT SUPPORT ON CONCRETE STRUCTURES FOR MULTIPLE CONDUIT RUNS

NOT TO SCALE



306 TYPICAL CONDUIT SUPPORT SINGLE CONDUIT

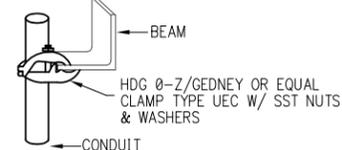
NOT TO SCALE



PARALLEL CONDUIT SUPPORT



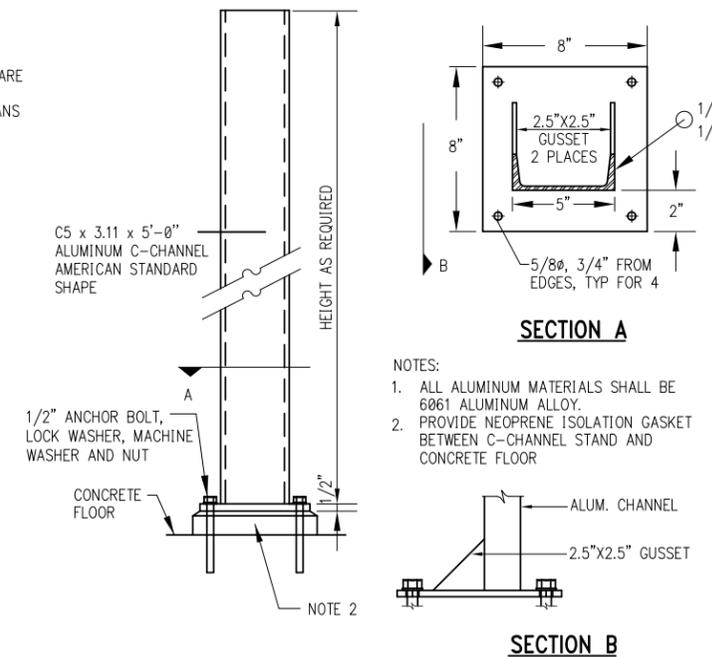
RIGHT ANGLE CONDUIT SUPPORT



EDGE TYPE CONDUIT SUPPORT

307 TYPICAL CONDUIT SUPPORT DETAILS

NOT TO SCALE



308 DETAIL - EQUIPMENT STAND ALUMINUM

NOT TO SCALE

- NOTES:
- ALL ALUMINUM MATERIALS SHALL BE 6061 ALUMINUM ALLOY.
 - PROVIDE NEOPRENE ISOLATION GASKET BETWEEN C-CHANNEL STAND AND CONCRETE FLOOR

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
Joseph Kozak
 DATE: AUG 10, 2020
 McCREARY & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 Dallas, Texas F-308

NO.	DATE	REVISION	BY
	2/29/2020	REVISION No.1	JJK

**CENTRAL WASTEWATER TREATMENT PLANT
 PHASE I - NORTH PLANT
 BLOWER MCC REPLACEMENT**

McCREARY & ASSOCIATES, INC.
 CONSULTING ENGINEERS 972/458-8745
 6310 LBJ FREEWAY SUITE 217 DALLAS, TEXAS 75240

**WACO METROPOLITAN AREA
 REGIONAL SEWERAGE SYSTEM
 ELECTRICAL IMPROVEMENTS, PHASE I**



AUGUST 2020
 date

SHEET NO.
E-16
 OF E-17