

**TOWN OF GLASTONBURY  
REQUEST FOR PROPOSAL  
RPGL-2018-21  
RENEWABLE ENERGY PROJECTS –  
POWER PURCHASE AGREEMENT  
ADDENDUM NO. 2  
04/30/18**

The attention of respondents submitting proposals for the above-referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Respondents shall acknowledge this Addendum on the Proposal Response Page (Attachment A).

**Questions and Answers**

1. **Question:** Will roof penetrations be allowed?

**Answer:** *Yes where warranted.*

2. **Question:** Town Hall: Does the existing ground mount system feed the Town Hall? What is the size of the system currently on the roof? What is the roof life and structural integrity of the building?

**Answer:** *Yes, the ground mount system does feed the Town Hall. The size of mount system is 29kW. Town Hall's roof was replaced in 2008.*

*The roof's structural integrity appears good; the overall integrity will be based on the Engineer's review.*

3. **Question:** High School: Which lots are amenable to carports?

**Answer:** *All.*

4. **Question:** Smith Middle School: What is the roof life and structural integrity of the building? Is it a Tectum Deck roof?

**Answer:** *The roof was installed in 2001 and the structural integrity appears good. The overall integrity will be based on the Engineer's review.*

*No, it is not a Tectum Deck roof.*

5. **Question:** Hopewell School: I think you mentioned the roofs were redone in 1996. What is the length of the roof warranty? Is it a Tectum Deck roof?

**Answer:** *The roof's warranty is expired. No, it is not a Tectum Deck Roof.*

6. **Question:** Buttonball School: I think you mentioned the roofs were redone in 1996 on this school as well. What is the length of the roof warranty? Is it a Tectum Deck roof?

**Answer:** *The roof's warranty is expired. No, it is not a Tectum Deck Roof.*

7. **Question:** Gideon Wells School: What is roof life and structural integrity? Tectum deck? Is the land to the West along the powerlines available for a ground mount?

**Answer:** *The roof for Gideon Wells School was replaced in 1990. The overall structural integrity is subject to the Engineer's review.*

*Yes, it is a Tectum deck roof. No, the land to the West is not available for a ground mount.*

8. **Question:** Can you please provide photos of all electrical rooms?

**Answer:** *See Attachment B.*

9. **Question:** Is the town ok with the developer working on site while school is in session or would the schools be restricted to a summer schedule?

**Answer:** *Yes, but subject to the District Safety Officer's requirements.*

10. **Question:** For the High School, can you please let us know where on site the electrical room is located?

**Answer:** *There are two; See Attachment C.*

11. **Question:** When reviewing the High School, there seems to be a large array on the roof already. What size is that? Can we add to that? Is a ground mount an option there?

**Answer:** *The size is 249 kW. Yes, you can add to it. Ground mount option as a car port only.*

12. **Question:** One more question for the RFP. Section B 3 – we plan to provide equipment spec sheets and production tables but since this is a PPA with no cost to the town, what costs are you looking for exactly?

**Answer:** *Indicative PPA pricing as described in the RFP.*

13. **Question:** Would you be able to tell me about the hot water production at the high school? For instance, do you have a central plant, how do you provide space heating, how do you heat the pool, etc.

**Answer:** *There is a central plant; hot water is provided. The pool has a separate heater upgraded in 2015.*

14. **Question:** Do you have a natural gas and electricity billing history to share for the high school?

**Answer:** *Yes.*

15. **Question:** Is the high school being considered for solar, too?

**Answer:** *Yes.*

16. **Question:** Is it too late for a site visit?

**Answer:** *Contact Mike Fazzino 860-652-7797 to schedule a site visit.*

17. **Question:** I'm curious if the high school has a swimming pool that could benefit from the waste heat created by the CHP machine.

**Answer:** *Yes.*

**END OF ADDENDUM NO. 2 TEXT**

**THIS ADDENDUM CONSISTS OF 3 PAGES OF TEXT AND  
ATTACHMENTS B & C FOR A TOTAL OF 11 PAGES:**

# Glastonbury High School



**POW-R-LINE<sup>®</sup>C<sub>™</sub>**  
**Switchboard**

|                                  |           |                    |          |
|----------------------------------|-----------|--------------------|----------|
| <b>Volts</b>                     | 480Y/277V | <b>G.O. No.</b>    | MHR00986 |
| <b>Phase</b>                     | 3         | <b>Item No.</b>    | 005      |
| <b>Wire</b>                      | 4         | <b>Section No.</b> | 2 Of 4   |
| <b>Mfd. At</b>                   | SUMTER,   | <b>Date</b>        | 04/11/05 |
| <b>Current Ratings - Amperes</b> |           |                    |          |
| <b>Supply</b>                    | 2000      | <b>Neut.</b>       | 2000     |
| <b>Section</b>                   | 2000      | <b>Neut.</b>       | 2000     |
| <b>Enclosure Type</b>            | 1         |                    |          |

SUITABLE ONLY FOR USE AS SERVICE EQUIP  
 MAXIMUM OF SIX (6) MAIN DISCONNECTS

**This Section Is Rated For Use On A Circuit Capable Of Delivering Not More Than 65KA RMS Sym Amperes, 600 Volts Maximum. When Protected By A Current Limiting Main Device, A 200 Ampere Maximum Class Fuse Or A Type RD Circuit Breaker Rated Not More Than 200 Amperes Must Be Used.**

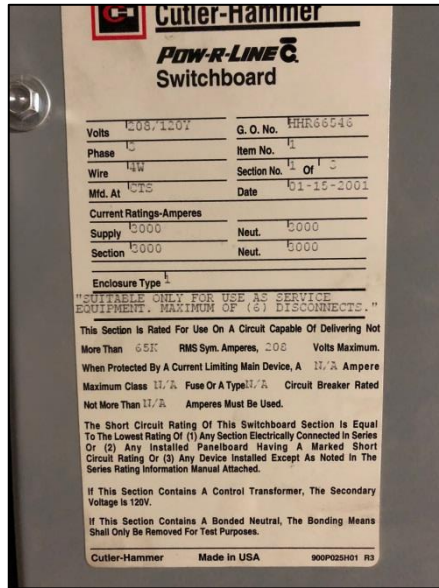
**The Short Circuit Rating Of This Switchboard Section Is Equal To The Lowest Rating Of (1) Any Section Electrically Connected In Series Or (2) Any Installed Panelboard Having A Marked Short Circuit Rating Or (3) Any Device Installed Except As Noted In The Series Rating Information Manual Attached.**

**If This Section Contains A Control Transformer, The Secondary Voltage Is 120V.**

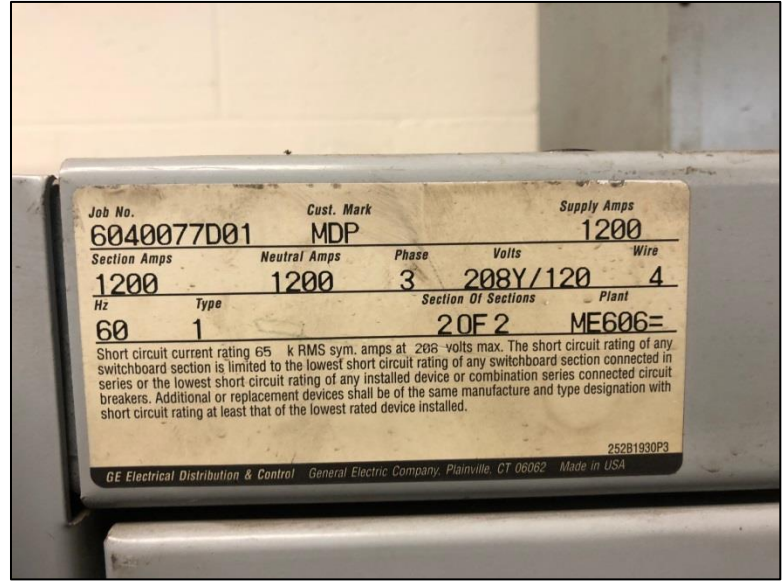
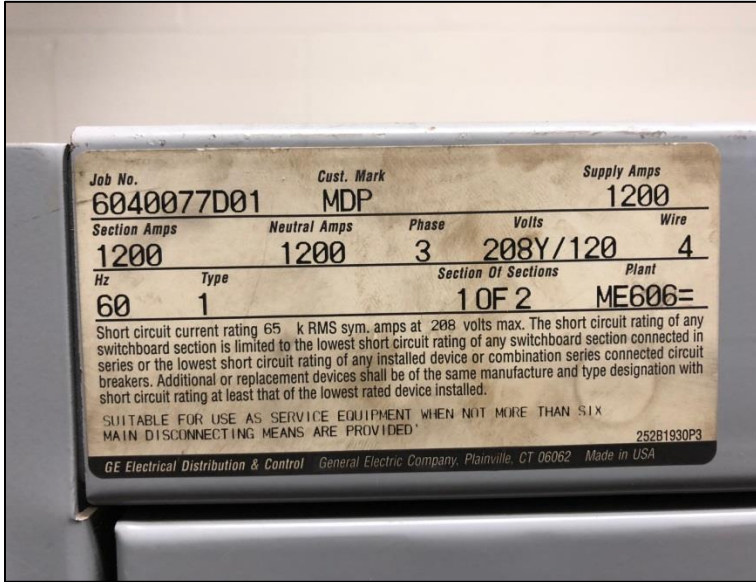
**If This Section Contains A Bonded Neutral, The Bonding Means Shall Only Be Removed For Test Purposes.**

Cutler-Hammer      Made in USA      900P025H01 R5

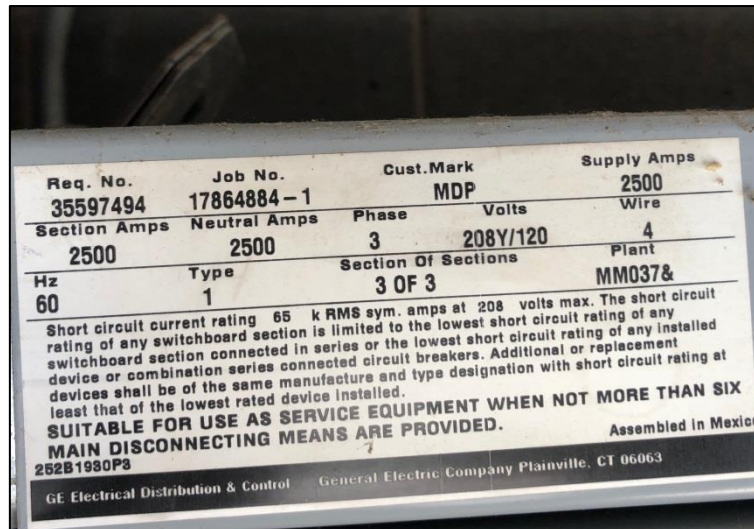
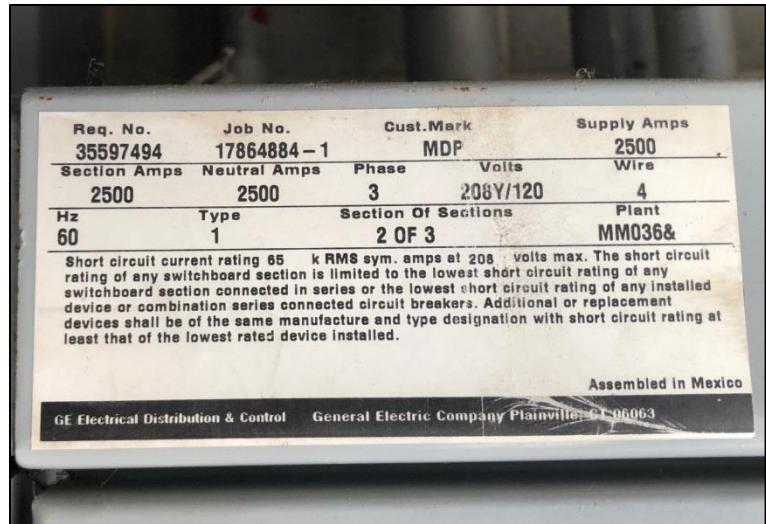
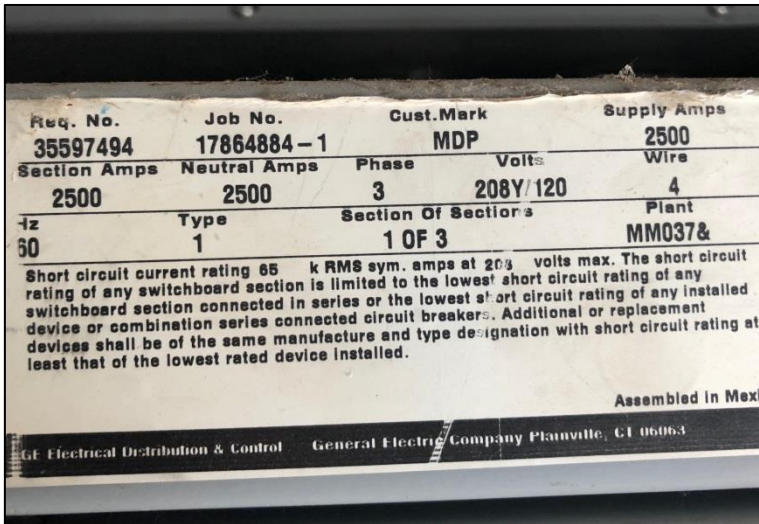
# Gideon Wells House



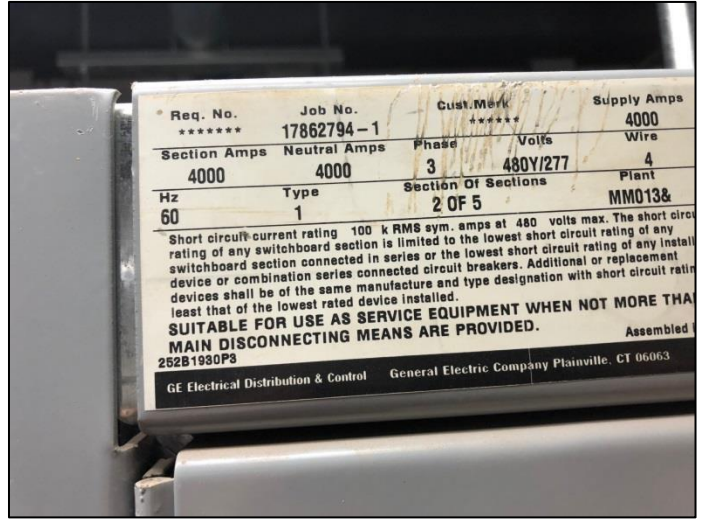
# Hopewell Elementary School



# Naubuc Elementary School



# Smith Middle School





# Smith Middle School



|                                  |           |             |          |
|----------------------------------|-----------|-------------|----------|
| Volts                            | 208Y/120V | G.O. No.    | SHR69455 |
| Phase                            | 3         | Item No.    | 002      |
| Wire                             | 4         | Section No. | 2 Of 4   |
| Mfd. At                          | SUMTER,   | Date        | 07/15/06 |
| <b>Current Ratings - Amperes</b> |           |             |          |
| Supply                           | 3000      | Neut.       | 3000     |
| Section                          | 2500      | Neut.       | 2500     |
| Enclosure Type                   | 1         |             |          |

SUITABLE ONLY FOR USE AS SERVICE EQUIP  
MAXIMUM OF SIX (6) MAIN DISCONNECTS

**This Section Is Rated For Use On A Circuit Capable Of Delivering Not More Than 65KA RMS Sym Amperes, 240 Volts Maximum. When Protected By A Current Limiting Main Device, A 2500 Ampere Maximum Class --- Fuse Or A Type RD Circuit Breaker Rated Not More Than 2500 Amperes Must Be Used.**

**The Short Circuit Rating Of This Switchboard Section Is Equal To The Lowest Rating Of (1) Any Section Electrically Connected In Series Or (2) Any Installed Panelboard Having A Marked Short Circuit Rating Or (3) Any Device Installed Except As Noted In The Series Rating Information Manual Attached.**

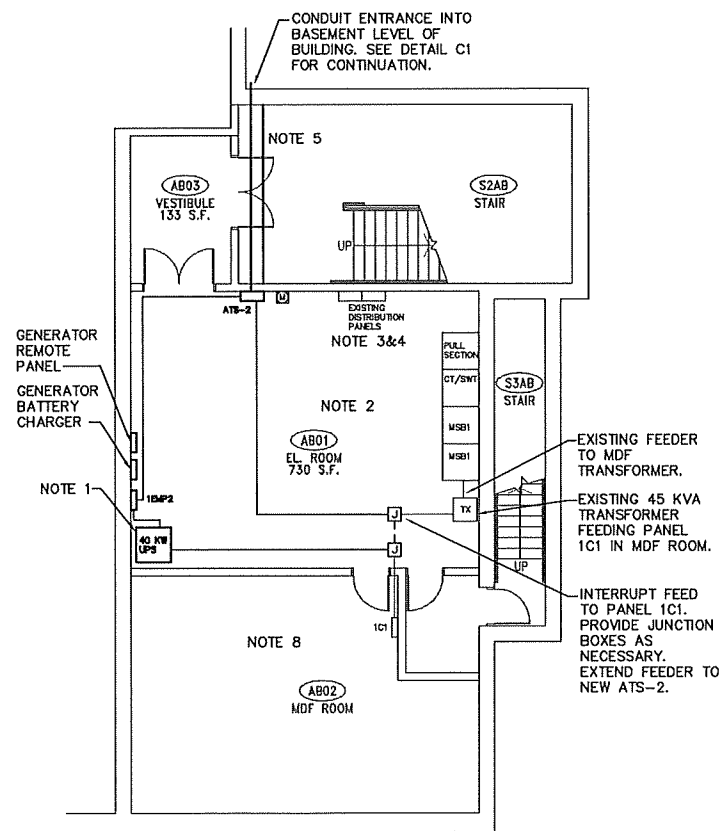
**If This Section Contains A Control Transformer, The Secondary Voltage Is 120V.**

**If This Section Contains A Bonded Neutral, The Bonding Means Shall Only Be Removed For Test Purposes.**

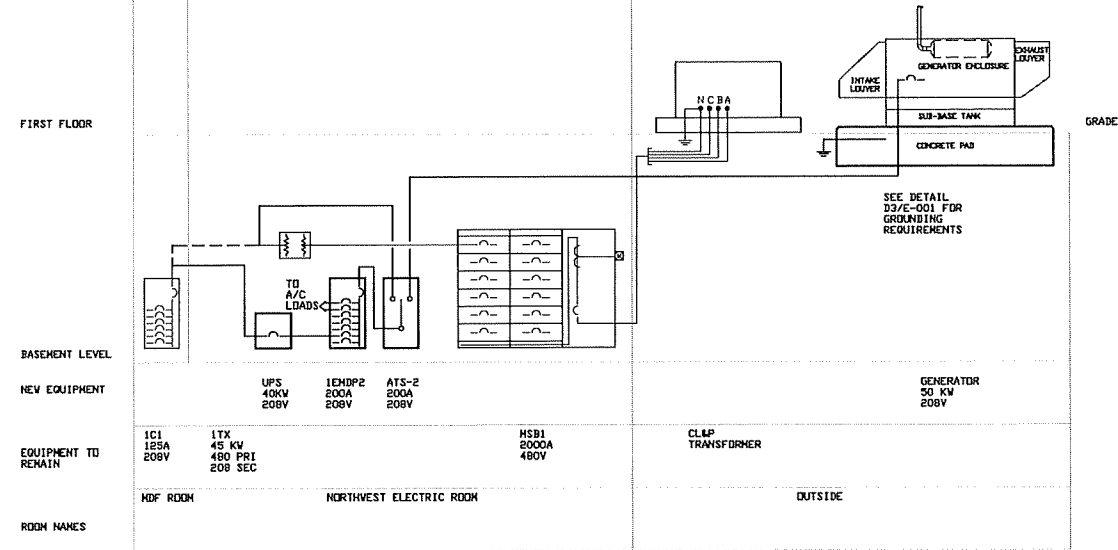
WORK ON THIS DRAWING IS BASE BID #1.

GENERAL ELECTRICAL NOTES FOR MDF ROOM

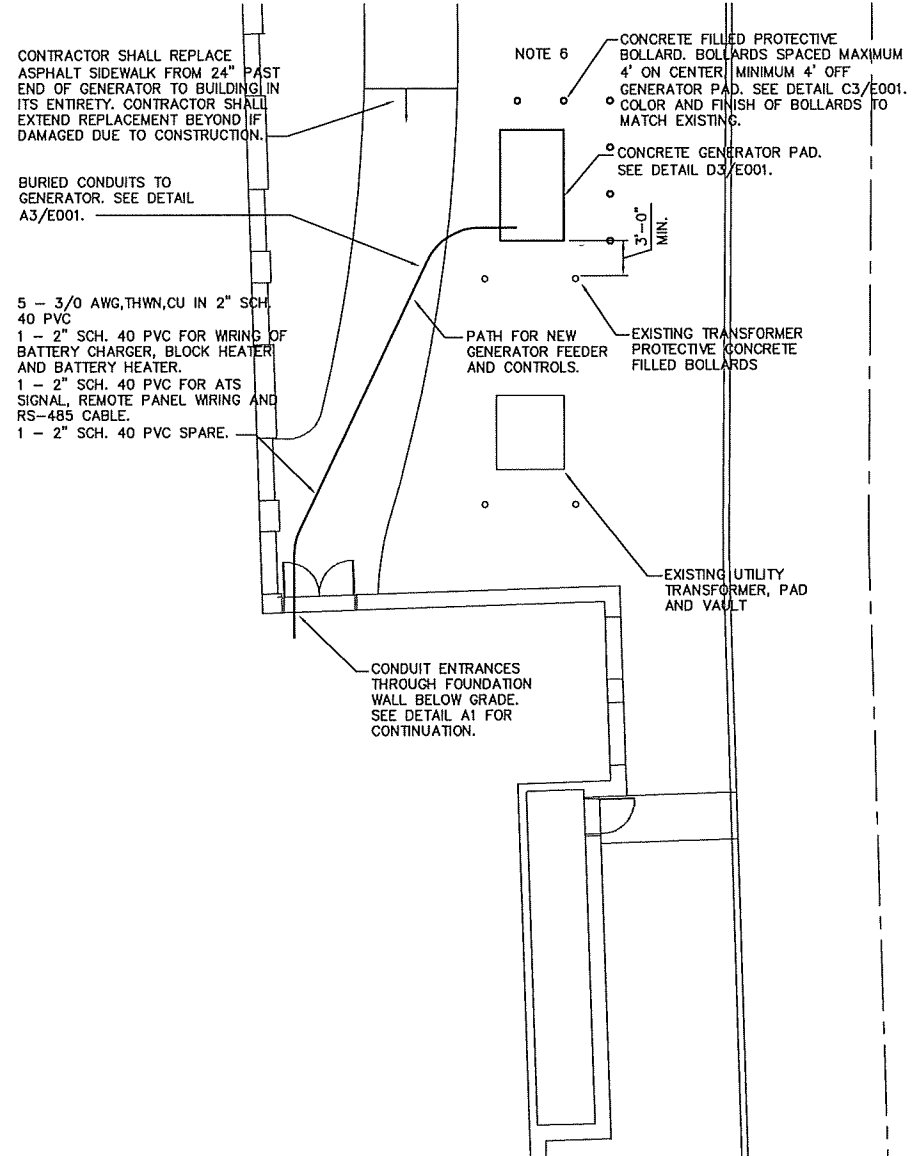
- DISCONNECTION OF POWER TO MDF ROOM SHALL BE COORDINATED WITH THE OWNER. POWER INTERRUPTION SHALL ONLY HAPPEN AFTER HOURS OR ON THE WEEKEND.
- 4" HIGH CONCRETE HOUSEKEEPING PAD FOR UPS. PAD SIZE SHALL BE 6" LARGER THE UPS ON ALL SIDES.
- RELOCATE LIGHTING BRANCH CIRCUIT IN ELECTRICAL ROOM AND MDF ROOM TO NEW PANEL 1EMP2. PROVIDE 20 AMP SINGLE POLE CIRCUIT BREAKER.
- RELOCATE MDF ROOM A/C UNIT BRANCH CIRCUIT FROM EXISTING DISTRIBUTION PANELS TO NEW PANEL 1EMP2. PROVIDE 30 AMP TWO POLE CIRCUIT BREAKER.
- RELOCATE MDF ROOM CONDENSING UNIT BRANCH CIRCUIT FROM EXISTING DISTRIBUTION PANELS TO NEW PANEL 1EMP2. PROVIDE 20 AMP TWO POLE CIRCUIT BREAKER.
- PROVIDE A 2 HOUR UL LISTED FIRE RATED SOFFIT AROUND GENERATOR CONDUITS INSIDE STAIRWAY.
- RELOCATE TWO SMALL TREES AWAY FROM GENERATOR. FINAL LOCATION SHALL BE COORDINATED WITH OWNER.
- PROVIDE 2-#12 AWG, THWN, CU IN 3/4" CONDUIT FOR SIGNAL FROM ATS2 TO OWNERS AUTO-DIALER IN MDF ROOM TO PROVIDE NOTIFICATION OF GENERATOR OPERATION.
- RUN RS-485 CABLE FROM GENERATOR TO COMPUTER LOCATED IN MDF ROOM FOR WINDOWS BASED MONITORING. RUN CABLE IN 1" EMT INSIDE BUILDING. RUN INSIDE CONDUIT WITH OTHER CONTROL CABLING. SEE DETAIL C1.



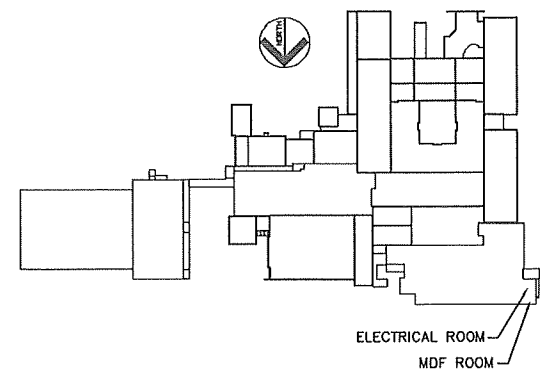
A1 PARTIAL BASEMENT PLAN  
SCALE: 1/8" = 1'-0"



D4 PARTIAL RISER DIAGRAM  
NTS



C1 PARTIAL SITE PLAN  
SCALE: 1/8" = 1'-0"



E1 KEY PLAN  
NTS

| No. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

SCALE: HORZ.: 1/4" = 1' VERT.: 1/4" = 1' 0 2 4

WWW.FONCO.COM

**FUSS & O'NEILL**  
Discipline to Deliver

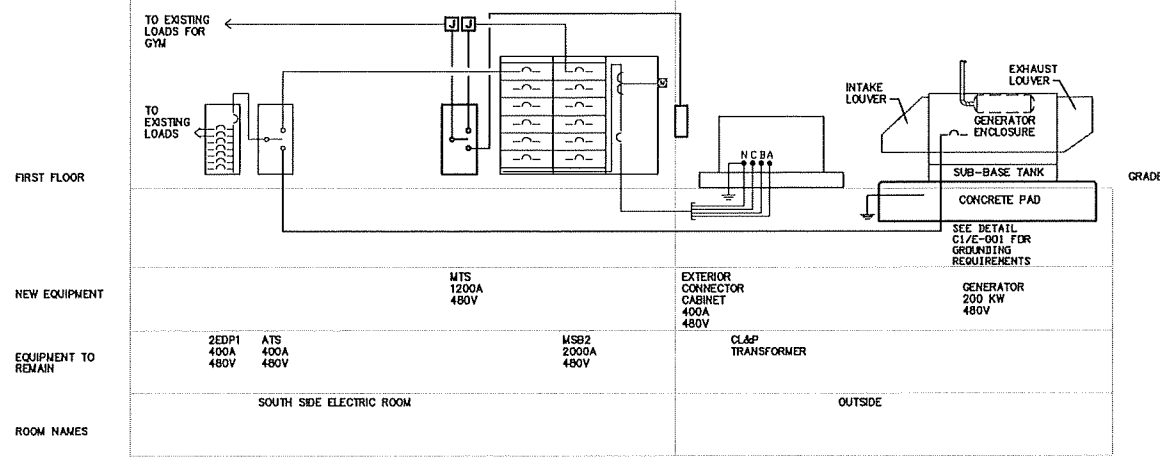
146 HARTFORD ST. MANCHESTER, CT 06106

REG. P.E. #460

TOWN OF GLASTONBURY  
EMERGENCY POWER SYSTEM  
MDF ROOM WEST SIDE  
GLASTONBURY HIGH SCHOOL

PROJ. No.: 2008.1205.A1  
DATE: OCTOBER 2009

Path: J:\DWG\2008\1205\A10\Electrical\2008.1205.A10 - E101.dwg, Layout: E-101 Fri, Oct 09, 2009 - 2:42 PM User: aplgeon

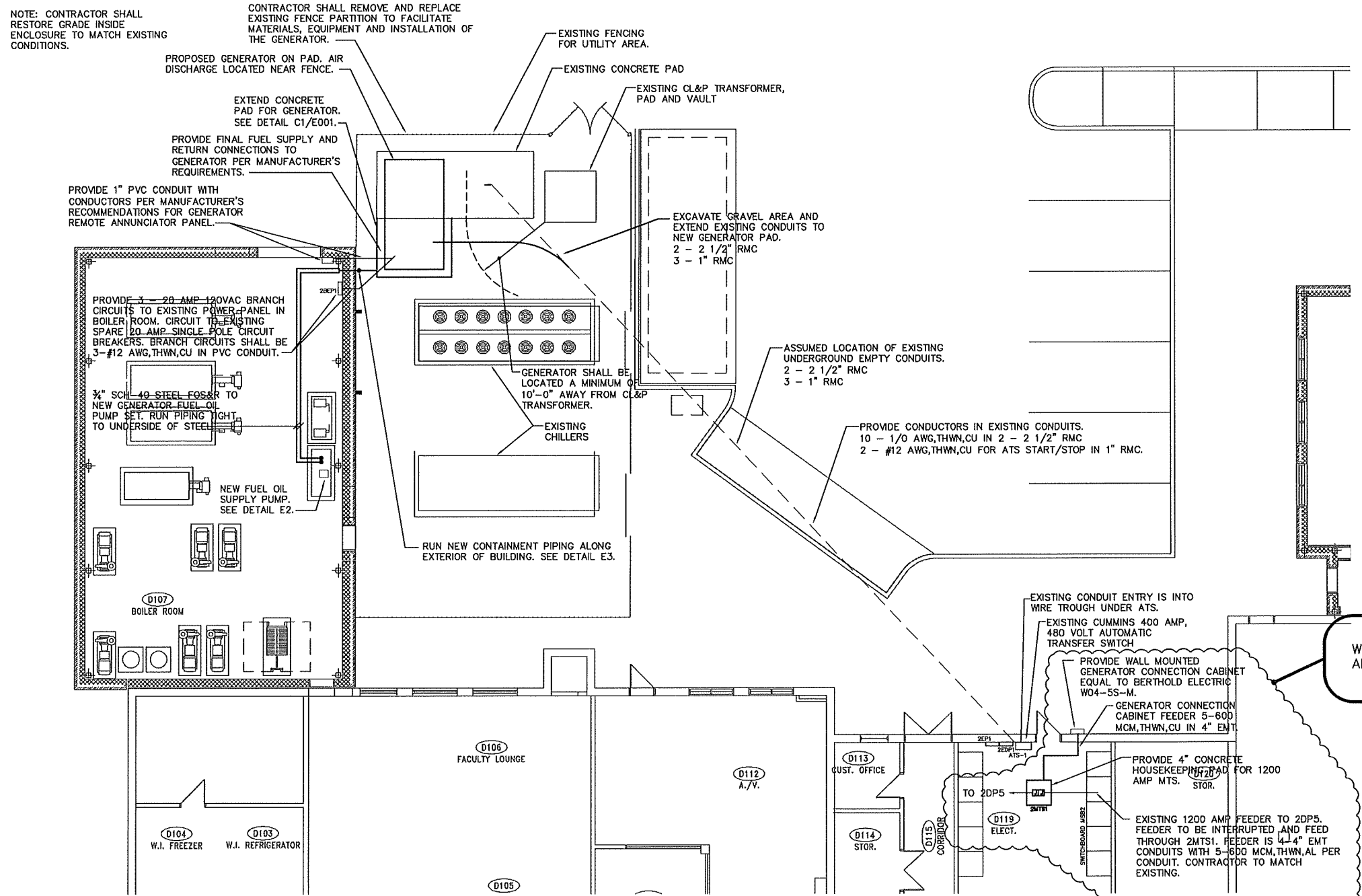


WORK ON THIS DRAWING IS BASE BID #2 EXCEPT WHERE NOTED.

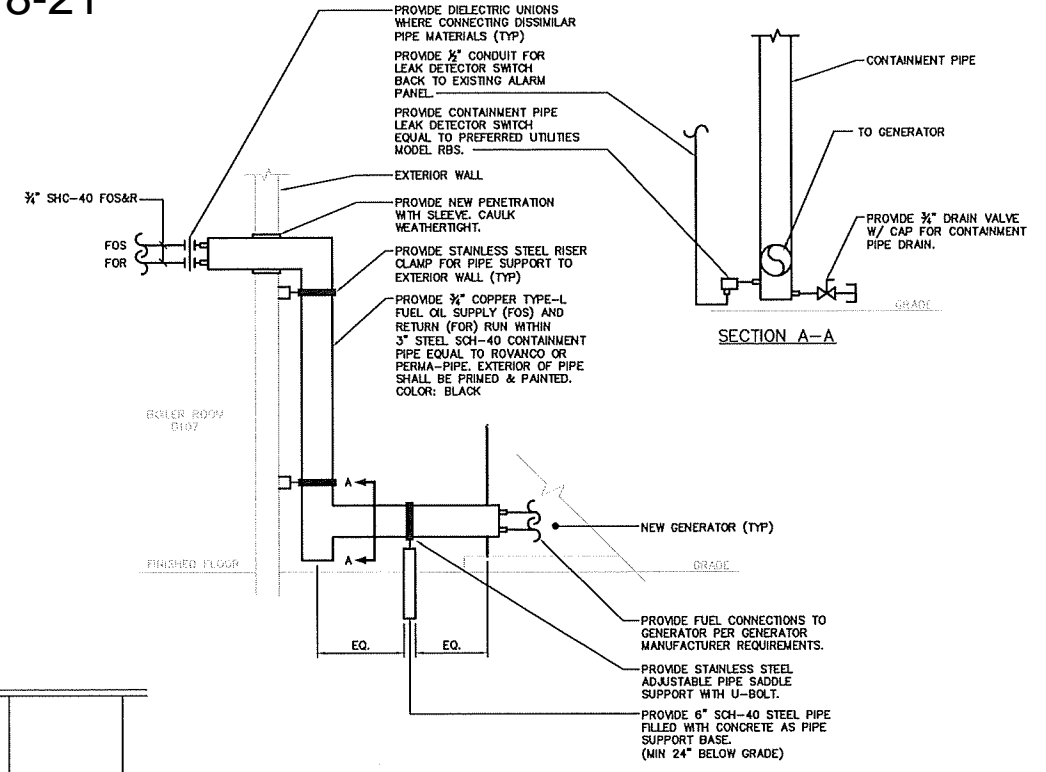
A4 PARTIAL RISER DIAGRAM  
NTS

NOTE: CONTRACTOR SHALL RESTORE GRADE INSIDE ENCLOSURE TO MATCH EXISTING CONDITIONS.

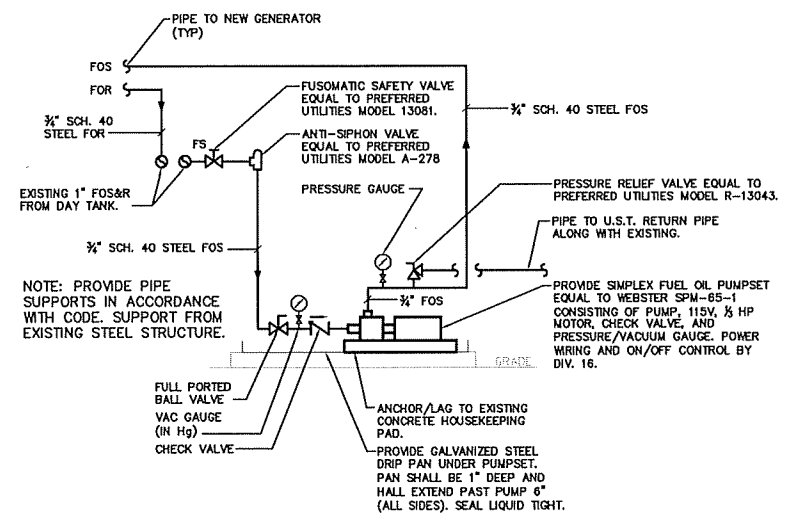
CONTRACTOR SHALL REMOVE AND REPLACE EXISTING FENCE PARTITION TO FACILITATE MATERIALS, EQUIPMENT AND INSTALLATION OF THE GENERATOR.



A1 PARTIAL PLAN - BUILDING SOUTH SIDE  
SCALE: 1/8" = 1'-0"

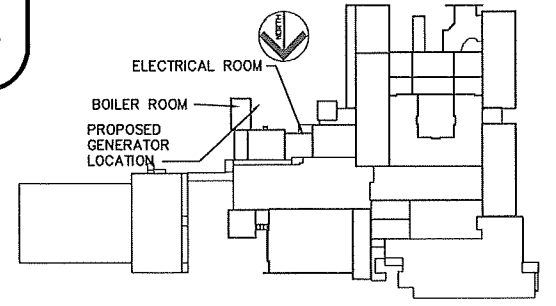


E3 FUEL OIL PIPING CONTAINMENT DETAIL  
NTS



E2 FUEL OIL PUMP SET PIPING DETAIL  
NTS

WORK WITHIN THIS AREA IS BASE BID #3.



E1 KEY PLAN  
NTS

|     |      |             |
|-----|------|-------------|
| No. | DATE | DESCRIPTION |
|     |      |             |

WWW.FUND0.COM  
**FUSS & ONEILL**  
*Discipline to Deliver*

TOWN OF GLASTONBURY  
EMERGENCY POWER SYSTEM  
BOILER ROOM SOUTH SIDE  
GLASTONBURY HIGH SCHOOL

PROJ. No.: 2008.1205.A1  
DATE: OCTOBER 2009

Path: J:\DWG\2008\1205\A1\01\Electrical\2008.1205.A1D - E101.dwg, Layout: E-102, Fri, Oct 09, 2009 - 2:43 PM User: apiggon