



OFFICE OF THE PURCHASING AGENT

TOWN OF ARLINGTON
730 Massachusetts Avenue
Arlington, MA 02476

Telephone (781) 316-3003
Fax (781) 316-3019

DATE: May 10, 2016

TO ALL BIDDERS

BID NO. 16-18

SUBJECT: Ed Burns Arena Electrical Upgrades

ADDENDUM NO. 2

TO WHOM IT MAY CONCERN:

With reference to the bid request relative to the above subject, please note the following:

SEE ATTACHED

BIDDER MUST ACKNOWLEDGE ADDENDUM WITH SUBMISSION

All other terms, conditions and specifications remain unchanged.

Very truly yours,

Town of Arlington

Domenic R. Lanzillotti
Purchasing Officer

Verne G. Norman Associates, Inc.

Electrical Consultants, Engineers and Designers

210 Winter Street Suite 301 Weymouth, MA 02188-3323
Tel: 781-335-4200 E-mail: vgna@vgna.com
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May 10, 2016

Mr. Terry MacLaughlin
MacLaughlin Management & Design
P. O. Box 45
Exeter, NH 03833-0045

Project: Arlington Ed Burns Arena
Arlington, MA.

Dear Terry:

The following is in response to the electrical contractor's questions from the electrical contractor bidding on the aforementioned project.

1. Spec Section 260000 1.03 (B) 21 notes to carry \$ 5,000 for utility co allowance but Spec Section 260000 3.15 (D) notes to carry \$ 40,000. Please clarify.

Response: The Utility company allowance shall be \$5,000.00

2. Spec Section 260000 3.15 (B) notes Eversource or National Grid will furnish and install meters, CT's and test switches for installation by this contractor. Please clarify.

Response: Eversource shall furnish and install electric meters and CT's.

3. Spec Section 260000 3.15 (C) notes the contractor shall make final connection to the pad mounted transformer. Please clarify.

Response: Not required to make final connection to pad mounted transformer but the contractor is required to have power disconnected by Eversource.

4. Drawing E-1 notes saw cutting of block wall, panels to be recessed. Is this necessary? There are existing items and conduits that are surface mounted. Please clarify.

Response: Suggest putting a 1-1/2" extension ring on existing panel and rebuild panelboard. Panelboard shall be 277/480 volt, three phase, four wire rated at 100 amperes. Panel shall contain Thirty (30) 20 ampere- 1 pole circuit breakers. The electrical contractor shall furnish and install a new panelboard trim.

5. Drawing E-2. The circuits that are being fed from the new MDPA panel originate where? Are they for future use? Are they fed from MDP and are now going to be fed from MDPA?

Response: They currently originate from the existing main electric switchboard. (See item #17).

6. Drawing E-2. What size conduits and wires are to be piped from the switchboard over to the new generator terminal box? Is there a spec on the generator tap box?

Response: Three (3) 3" conduits. Each conduit shall contain 4#400kcmil, 1#2/0(G). This should be an Alternate #1.

7. Drawing E-2. What is the AIC rating of MDP? Is the existing feed to the switchboard a 3 phase 4 wire or is it straight 3 phase with no neutral? What is the AIC rating of MDPA?

Response: The AIC rating of the circuit breakers shall be 22,000.

8. Could specifications be provided for the Motor Control Center?

Response: Motor control center shall be manufactured by Square "D" Class 8998 or equal as manufactured by General Electric or Eaton.

9. Will permit fees be waived for this project?

Response: Permit fees shall not be waived.

10. On the power riser diagram on the bottom right of E-2, is panel "MDP" supposed to be labeled "MDPA" on that diagram?

Response: Panel "MDP" should read "MDPA".

11. MDPA shows 5 breakers/circuits. Are we to intercept and extend these circuits from the existing MDP location and bring them across the room to the new MDPA?

Response: That is correct. (See item #17).

12. Is a manual transfer switch required for this project (it is in the spec)? If one is required for the generator terminal box, where is it to be located?

Response: A manual transfer switch shall be required. (See sketches SKE-1 & SKE-2).

13. It appears that the completion date for this job is too tight. Is it possible to extend the completion date? It is impossible to get the custom switchboard in as short time. Please advise.

Response: Project must be complete and operational July 22, 2016.

14. Please confirm that there is only a relay panel and that the "new panel boards" are not from this project.

Response: Panel "LA" is a new panel. The electrical contractor shall reuse existing panelboard tub and install new panelboard interior with circuit breakers.

15. During the walk through we saw a hall way that has existing surface mounted panels and boxes. The location of the new relay panel is shown where there is an existing shelving unit. Please confirm that the relay cabinet has to be recessed into the block wall as it will measure off the wall significantly less than the existing shelving unit and be equal to the existing panels and boxes.

Response: Space will be provided for relay panel.

16. If the relay cabinet is to be recessed please tell us if this is a load bearing wall or issue structural plans showing the scope needed to ensure the integrity of this wall. Relay panel can be surface mounted.

Response: Relay panel can be surface mounted.

17. The electrical contractor shall intercept the following feeders from the existing main electric switchboard location and extend to new panel "MDPA".

Panel "L1" 4#4, 1#8(G), 1-1/4"C.

Panel "P1" 4#4, 1#8(G), 1-1/4"C.

Panel "P2" 4#4, 1#8(G), 1-1/4"C.

Zamboni Charger 4#4, 1#8(G), 1-1/4"C.

Dehumidifier 4#4, 1#8(G), 1-1/4"C.

Snack bar 4#3/0, 1#6(G), 2-1/2"C.

18. 112.5kva transformer and new panel "MDPA" shall be relocated as indicated on sketch SKE-1.

19. Panel "MDPA" shall be furnished with a 400 ampere – 3 pole main circuit breaker.
Delete enclosed 400 ampere – 3 pole enclosed circuit breaker indicated on the plan.
20. Panel "MDP" should read main electric switchboard.
21. The electrical contractor shall furnish and install a 1200 ampere enclosed manual transfer switch under Alternate #1. Manual transfer switch shall be located as indicated on sketch SKE-1.
22. The electrical contractor shall furnish and install a weatherproof generator terminal box as indicated on the plans. Terminal box shall be mounted on the exterior and shall be furnished with 3-4" conduit sleeves with covers. Under Alternate #1.
23. Variable speed drivers "VSD" are existing to remain under this contract.
24. Unless otherwise noted, starters are full voltage non-reversing (across the line).

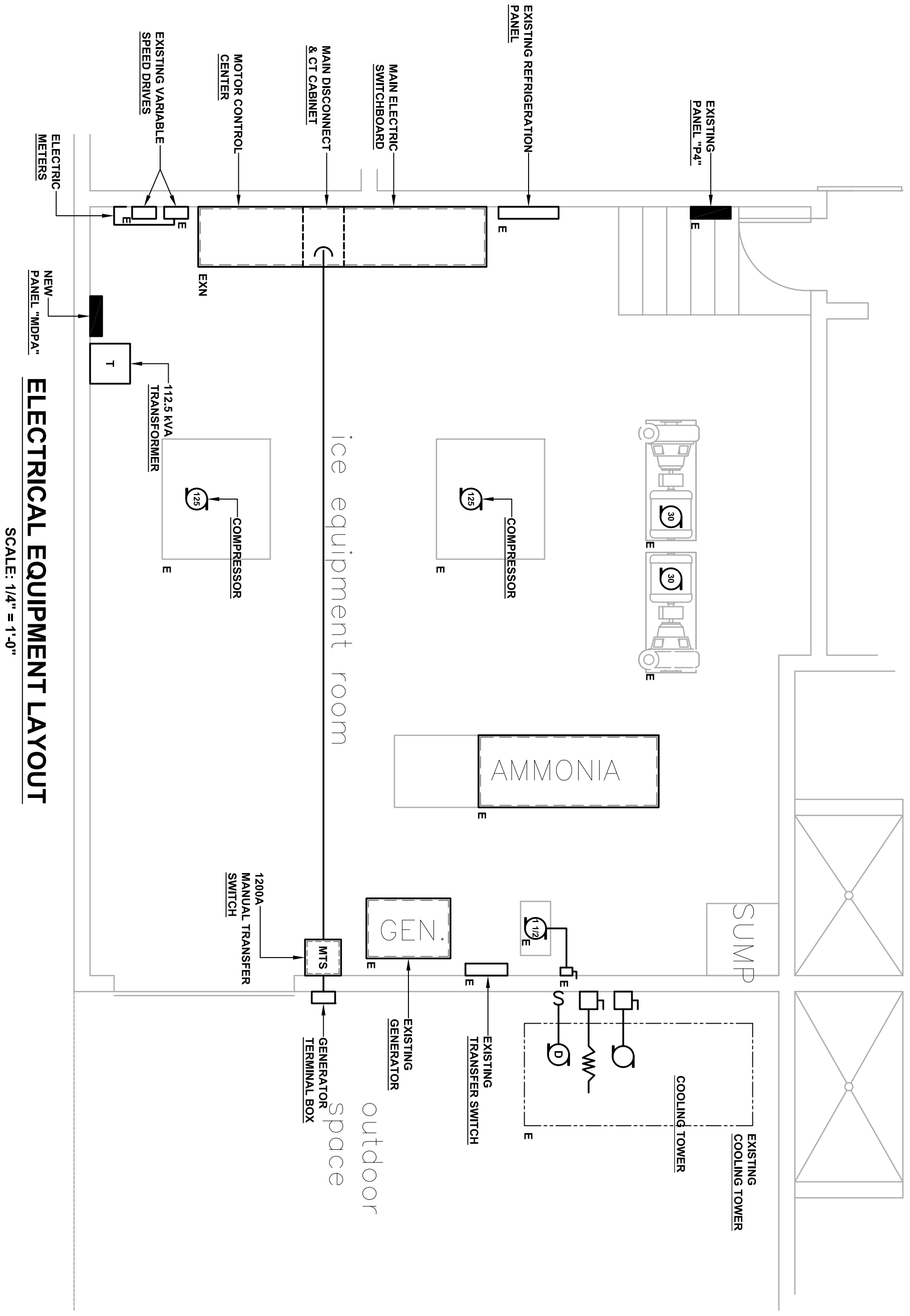
Please feel free to contact our office if you have any questions regarding the aforementioned material.

Very truly yours,

Frederick P. Goff

Frederick P. Goff, P. E.

FG/nh



ELECTRICAL EQUIPMENT LAYOUT

SCALE: 1/4" = 1'-0"

PROJECT TITLE: ED BURNS RINK - ARLINGTON, MA

DRAWING NO. #

DRAWING TITLE: ELECTRICAL EQUIPMENT LAYOUT

SKE-1

PROJECT NO. #

SCALE: 1/4" = 1'-0"

DATE: 05-10-16

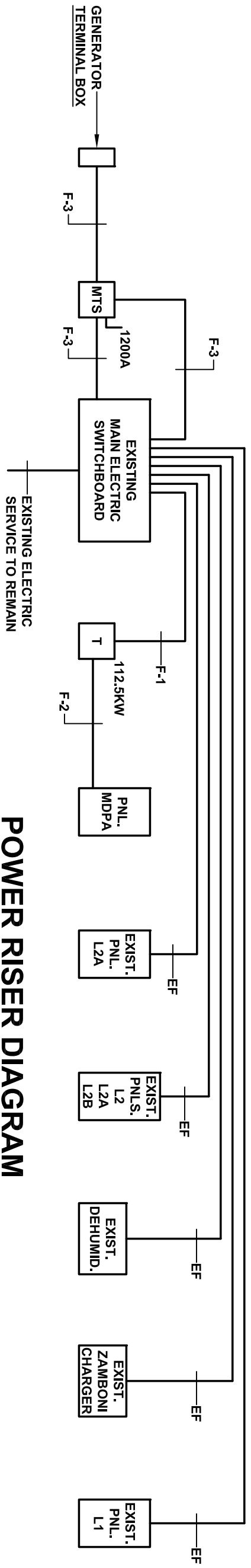
VGNA VERNE G. NORMAN ASSOCIATES, INC.

Electrical Consultants, Engineers and Designers

210 Winter Street, Weymouth, Ma. 02188

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POWER RISER DIAGRAM

NOT TO SCALE

FEEDER SCHEDULE

DESIGNATION	SIZE	GND	CONDUIT SIZE	QUANTITY	BREAKER	
					SIZE AMPS	POLE
F-1	3#2/0	#6	2"	1	175	3
F-2	4#500kcmil	#3	3"	1	400	3
F-3	4#400kcmil	#2/0	3"	3	1000	3