



ESSEX COUNTY

OFFICE OF THE MANAGER

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Daniel L. Palmer
County Manager

Linda M. Wolf
Purchasing Agent

TO: All Bidders

FROM: Linda Wolf, CPA, Purchasing Agent

DATE: March 2, 2017

SUBJECT: Addendum #2 ARC FLASH HAZARD ASSESSMENT AND OCPD STUDY

This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the *ARC FLASH HAZARD ASSESSMENT AND OCPD STUDY* Bid Opening March 10, 2017.

Please replace the Project Schedule with the attached Project Schedule.

Please see Clarification below and attached Supplemental Drawing.

CLARIFICATION:

The Consultant/Contractor make every effort to group any scheduled shutdowns over a consecutive (2) or (3) week period in order to minimize the impact on the Owner/Facility. Refer to the attached one line drawing for the suggested outage sequencing/phasing. It is anticipated that for each area identified, about a (4) hour maximum outage is expected. After the bid award, the Consultant/Contractor shall provide to the Owner, a written schedule of the data collection work, including the anticipated shutdowns for each area identified on the one line drawing.

Only (1) scheduled shutdown of the main secure switchboard (temporary power shutdown to the facility, except the emergency operations center) will be permitted and will be limited to (6) hours in length. This shutdown shall be for data collection on the secure switchboard and admin switchboard and their respective feeders only. This outage is required to take place in May, outside of the facility heating season. A specific date will be determined by the Owner. If at any period during this outage the Owner/Facility experiences a safety or security situation that requires the power to be restored, the Consultant/Contractor will be notified immediately and shall promptly secure the panels and restore power.

All panels fed from the existing 130 kVA UPS (identified as Area A/Group 1 on the attached drawing) shall remain energized – shutdowns of this part of the system are not permitted.

Consultant/Contractor shall utilize existing feeder data obtained during prior study (included in bid package) for Area A/Group 2 on the attached drawing for the proposed study. Shutdowns of this part of the system are not permitted.

Please see Question & Answer Below:

QUESTION:

We were told that purchasing will issue an addendum clarifying the timing restriction related to field data collection. For example describing whether the successful bidding contractor can perform field data collection during the day time, night time or weekend time.

ANSWER:

All shutdown work shall occur during the hours of 7 AM through 4 PM Monday thru Friday. No weekend shutdowns will be permitted. Refer to shutdown notes and drawing included in Addendum #2 for further details.

END OF ADDENDUM # 2

PROJECT SCHEDULE

CONTRACT DESCRIPTION: Arc Flash Hazard Assessment and OCPD Study

NOTICE TO BIDDERS: January 31,2017

PRE-BID MEETING AT PUBLIC SAFETY BULDING: February 14, 2017 at 10:00 am

BID OPENING DATE: March 10, 2017 at 2:00 pm

AWARD DATE: within one (1) week of Bid Opening

FIRST SUBMITTAL DUE: on or before June 2, 2017

FINAL SUBMITTAL DUE: on or before June 30, 2017

FINAL COMPLETION: on or before July 21, 2017

NYSEG RISER POLE

12470 VOLT 3Ø PRIMARY

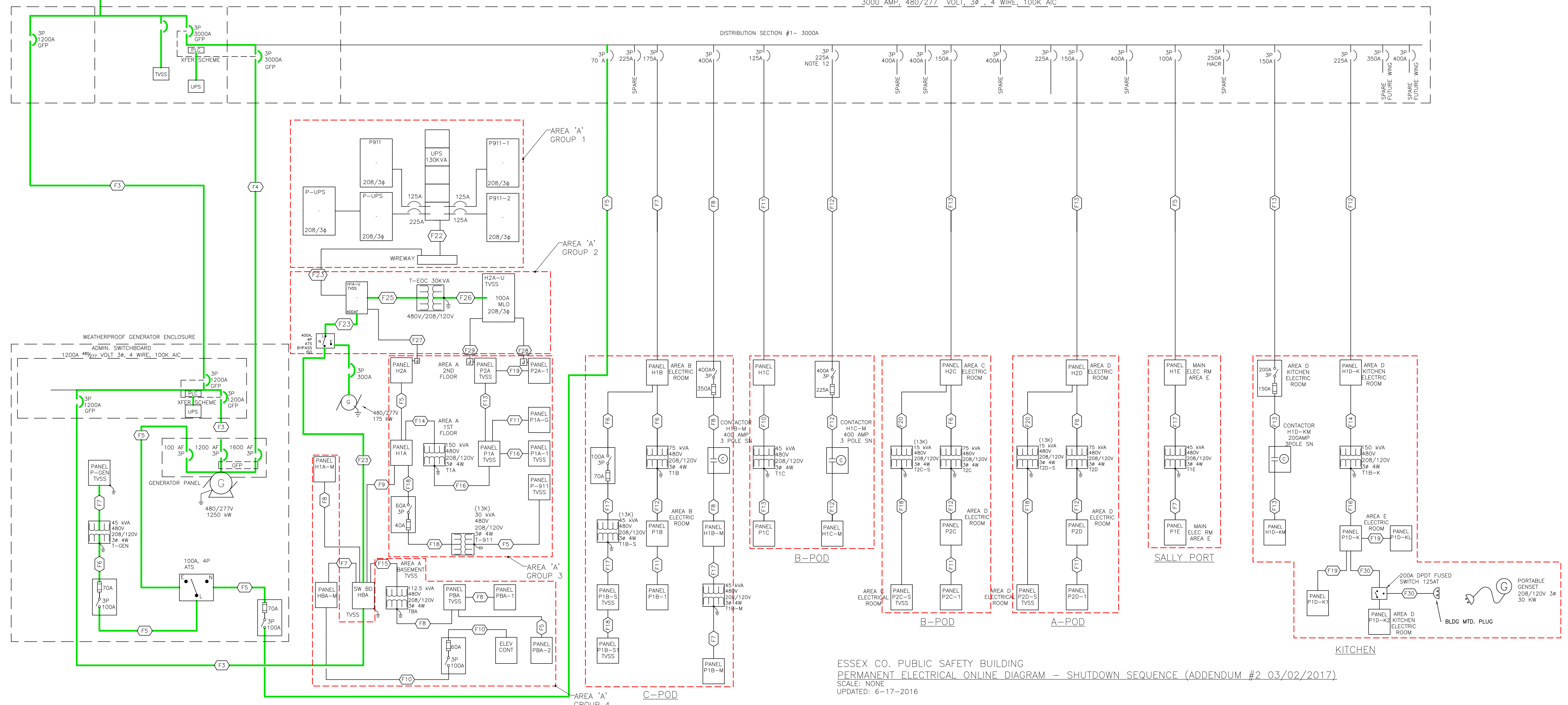
480/277 VOLT 3Ø 4W SECONDARY TRANSFORMER WYE/WYE 500 KVA, 3.72%

ONE LINE DIAGRAM - CONDUIT & CABLE SCHEDULE		
TAG	DESCRIPTION	REMARKS
F1	(1) 4" C. - 3Ø 1/0 15kV CABLES W/ 10 - #14 CONCENTRIC NEUTRAL (1) 4" C. - SPARE W/ 1/4" NYLON PULL ROPE	UNDERGROUND PRIMARY
F2	(9) 4" C. - EA. W/ 4#500 Kcmil (2) 4" C. - SPARE EA. W/ 1/4" NYLON PULL ROPE	UNDERGROUND SECONDARY
F3	(4) 4" C. - EA. W/ 4#500 Kcmil, 1Ø3/0 G. (1) 4" C. - SPARE EA. W/ 1/4" NYLON PULL ROPE	
F4	(6) 4" C. - EA. W/ 4#500 Kcmil, 1Ø4/0 G. (1) 4" C. - SPARE EA. W/ 1/4" NYLON PULL ROPE	
F5	1-1/2" C. 4Ø2, #8 G.	
F6	1-1/2" C. 3Ø2, 1Ø8 G.	
F7	2-1/2" C. 4Ø3/0, #4 G.	
F8	(2) 3-1/2" C. EA. W/ 4Ø250 Kcmil, #1/0 G.	
F9	4" C. - 4Ø400 Kcmil, 1/0 G.	
F10	1-1/4" C. - 3Ø4, #4 G.	
F11	2" C. - 4Ø2/0 G.	
F12	3/4" C. - 4Ø250 Kcmil, #1/0 G. 3Ø 4W	
F13	2" C. - 4Ø2/0, 1Ø4 G.	
F14	3" C. - 3Ø250 Kcmil, #1/0 G.	
F15	2-1/2" C. - 3Ø3/0, #4 G.	
F16	(2) 3-1/2" C. EA. W/ 4Ø300 Kcmil, #2/0 G.	
F17	1-1/4" C. - 3Ø4, #8 G.	
F18	1-1/4" C. - 4Ø4, #10 G.	
F19	1-1/2" C. - 4Ø1, #6 G.	
F20	3/4" C. - 3Ø10, #10 G.	
F21	(2) 4" C. - 4Ø500 Kcmil, #1/0 G.	

FEEDER SCHEDULE		
TAG	DESCRIPTION	REMARKS
F22	(2) 2-1/2" C.	
F23	(2) 3" C. - EA. W/ 3Ø300 Kcmil, 1Ø2 G.	
F24	4" C. - 4Ø500 Kcmil, 1Ø1/0 G.	
F25	1-1/4" C. - 4Ø6, 1Ø10 G.	
F26	2" C. - 3Ø1, 1Ø8 G.	
F27	3/4" C. - 2Ø10, 1Ø10 G.	
F28	(2) 1-1/2" C. - 1Ø#10, 1Ø#10 G.	
F29	1-1/2" C. - 1Ø#10, 1Ø#10 G.	
F30	2" C. - 4Ø1, 1Ø6 G.	

TEMPORARY POWER SHUTDOWN KEY	
AREA A/GROUP 1	- NO SHUTDOWN PERMITTED
AREA A/GROUP 2	- NO SHUTDOWN PERMITTED, UTILIZE EXIST. DATA
AREA A/GROUP 3	- (4) HOUR SHUTDOWN
AREA A/GROUP 4	- (4) HOUR SHUTDOWN
A-POD	- (4) HOUR SHUTDOWN
B-PODS	- (4) HOUR SHUTDOWN EACH
C-POD	- (6) HOUR SHUTDOWN
SALLY PORT	- (1) HOUR SHUTDOWN
KITCHEN	- (4) HOUR SHUTDOWN

MAIN ELECTRIC ROOM
SECURE SWITCHBOARD - 'MSB'
3000 AMP, 480/277 VOLT, 3Ø, 4 WIRE, 100K AIC



ESSEX CO. PUBLIC SAFETY BUILDING
PERMANENT ELECTRICAL ONLINE DIAGRAM - SHUTDOWN SEQUENCE (ADDENDUM #2 03/02/2017)
SCALE: NONE
UPDATED: 6-17-2016