



**Addendum Three**

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**DATE:** 14<sup>th</sup> July 2017

**METHOD OF DELIVERY:**

**PROJECT NAME & NO.:** File No.: 41/188/1/75

**POSTED ON** [www.gov.bm/procurement-notice](http://www.gov.bm/procurement-notice)

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This Addendum forms part of the RFP documents and will be subject to all of the conditions set out in the contract conditions. This Addendum Three contains (seven) pages.

**Addendum Three**

**1. Revised Drawings**

Attached are the following revised drawings:

E4 Proposed Site Plan

E5 Pumping Station Electrical Floor Plans

E7 Proposed Single Line Diagram

E9 Electrical Specifications

E10 Electrical Specifications

**2. Clarification for ATS**

The ATS is to be a Kohler Model-KCS-ATMC-0299S 3pole, 4wire, solid neutral, 200A rated for 480v, 60Hz complete with NEMA type 3R enclosure

**3. Generator Connection**

The connection to the generator shall be installed to act as temporary connection allowing connection and disconnection without tools. The connection point is to be a recessed junction box on the exterior of the existing control building to enable the generator to be positioned as shown.

**4. Cable ATS to PL-3**

The connection is to be made with a single set of cables of 4x 1/0AWG + #6 GND

**5. Panel PNL-3**

The panel is to be surface mounted and complete with a mains breaker.

**6. Weight of Pump Unit**

The weight of the pump unit is 3137 lbs. The pump unit is available for inspection by the contractor at the Tyne's Bay Incinerator stores please contact Mr Keith Claridge 704-1965 to arrange viewing.



**Addendum Three**

**7. Commissioning of Pump Unit**

The unit is to be commissioned by Grundfos representatives who will be brought to Bermuda. All connections will be completed by the contractor but no live switching will be carried out ahead of the commissioning. The commissioning date is to be set by the contractor and given to the owner no less than six weeks in advance. Any costs incurred for subsequent delays to this date will be met by the contractor.

**8. FRP Grate**

The grate will be subject to foot traffic only and is to be laid loose in place and is not required to be joined. The contractor will determine all necessary support structure in addition to edge support shown. All additional support to be galvanized steel.

**9. Suspended Cable**

The suspended cable across the site is owned by ONE Communications please contact them directly concerning this cable

**10. Surplus Excavated Material**

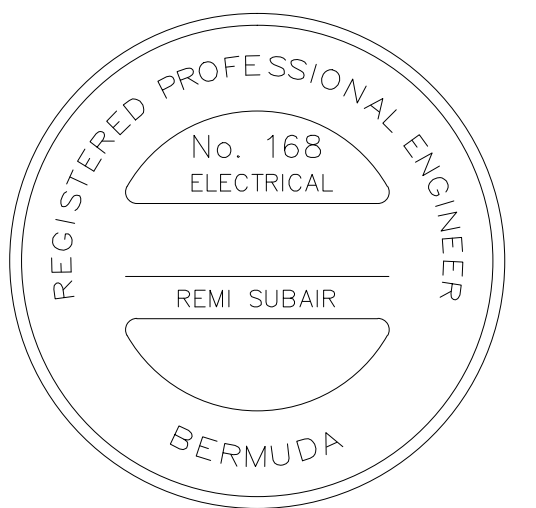
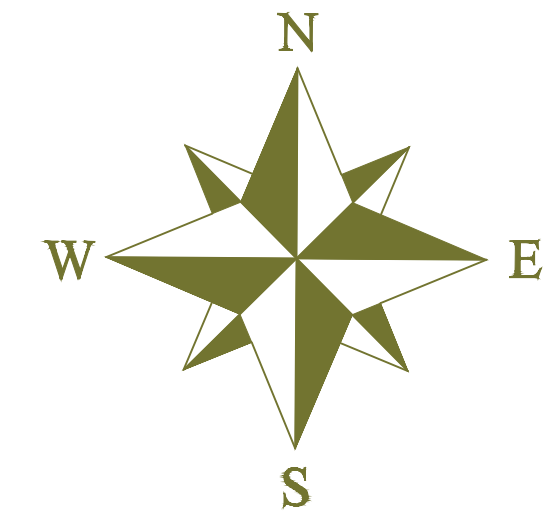
All surplus materials to be removed from site in accordance with Specification Section 02220 clause 3.9.

Bidders are requested to acknowledge receipt of this Addendum(Three) by emailing

[tichristopher@gov.bm](mailto:tichristopher@gov.bm)

Sincerely, Project Manager

END OF ADDENDUM three



ISSUED FOR:

AMENDMENTS:

NO:	REVISION	APP	DATE:
A	PLANNING		10/OCT/16

SCALE: 1/16"=1'0"

**SURVEY**  
PREPARED BY: RS DATE: 10/OCT/16

**DESIGN**  
PREPARED BY: RS DATE: 10/OCT/16  
CHECKED BY: RS DATE:

**DRAWING**  
PREPARED BY: RS DATE: 10/OCT/16  
CHECKED BY: RS DATE: 10/OCT/16

APPROVED BY:

PROJECT NUMBER:  
50816

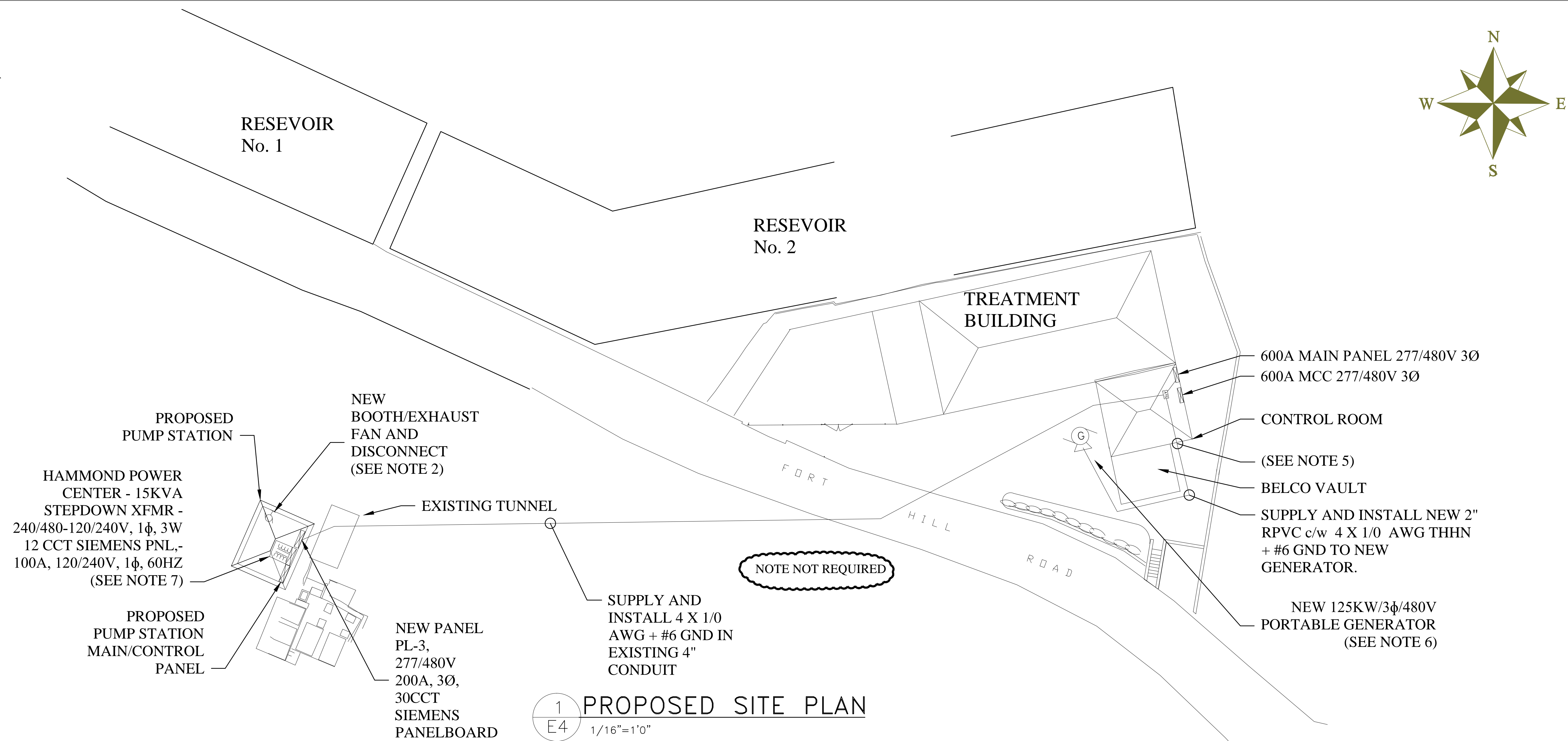
PROJECT NAME:  
**PROSPECT  
PUMP STATION**

**FORT PROSPECT  
14 HEADQUARTERS HILL  
DEVONSHIRE**

DRAWING FILE NO:  
K:WATER SECTION\PROSPECT\DATA MONITORING

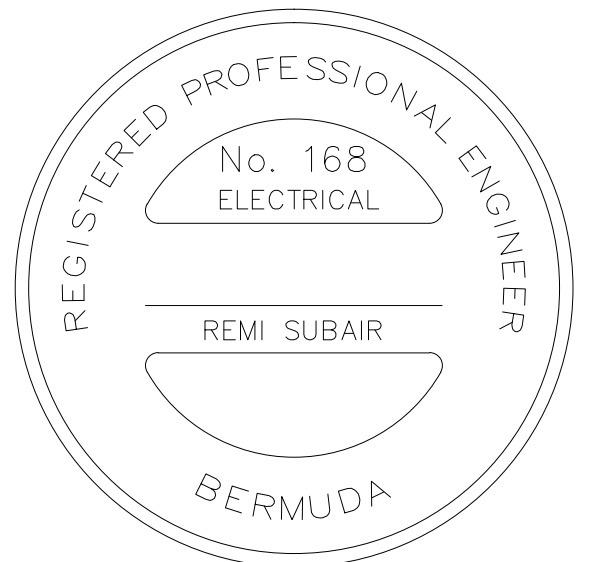
SHEET TITLE:  
**PROPOSED  
SITE PLAN**

SHEET NUMBER: **E4** REVISION: **1**



**1**  
**E4** **PROPOSED SITE PLAN**  
1/16"=1'0"

- NOTES:
1. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE BERMUDA BUILDING CODE, NATIONAL ELECTRIC CODE (2008), NFPA 72 (2010), AND NFPA 101 (2012). REFER TO ELECTRICAL SPECIFICATIONS.
  2. ALL ELECTRICAL DEVICES SHOWN DASHED ARE EXISTING.
  3. ALL DEVICES SHOWN SOLID ARE NEW DEVICES AND EQUIPMENT TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
  4. INSTALL NEW EXHAUST FAN PROVIDED BY OWNER. SUPPLY AND INSTALL NEW DISCONNECT FOR EXHAUST FAN.
  5. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRESTOPPING ALL PENETRATIONS.
  6. 125KW PORTABLE GENERATOR SHALL BE SUPPLIED BY PUBLIC WORKS AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A NEW KOHLER AUTOMATIC TRANSFER SWITCH FOR THIS PORTABLE GENERATOR.
  7. HAMMOND POWER CENTER SHALL BE SUPPLIED BY PUBLIC WORKS AND INSTALLED BY THE ELECTRICAL CONTRACTOR.



ISSUED FOR: 10/10/16

AMENDMENTS:

NO	REVISION	BY	APP	DATE
1	PLANNING	.	.	10/10/16

SCALE: 1/2"=1'0"

SURVEY

PREPARED BY: RS DATE: 10/10/16

DESIGN

PREPARED BY: RS DATE: 10/10/16

CHECKED BY: RS DATE: 10/10/16

DRAWING

PREPARED BY: RS DATE: 10/10/16

CHECKED BY: RS DATE: 10/10/16

APPROVED BY: RS DATE: 10/10/16

PROJECT NUMBER:

PROJECT NAME:

**FORT PROSPECT  
CENTRAL AREA  
PUMP STATION**  
Fort Hill Road

Devonshire

SHEET TITLE:

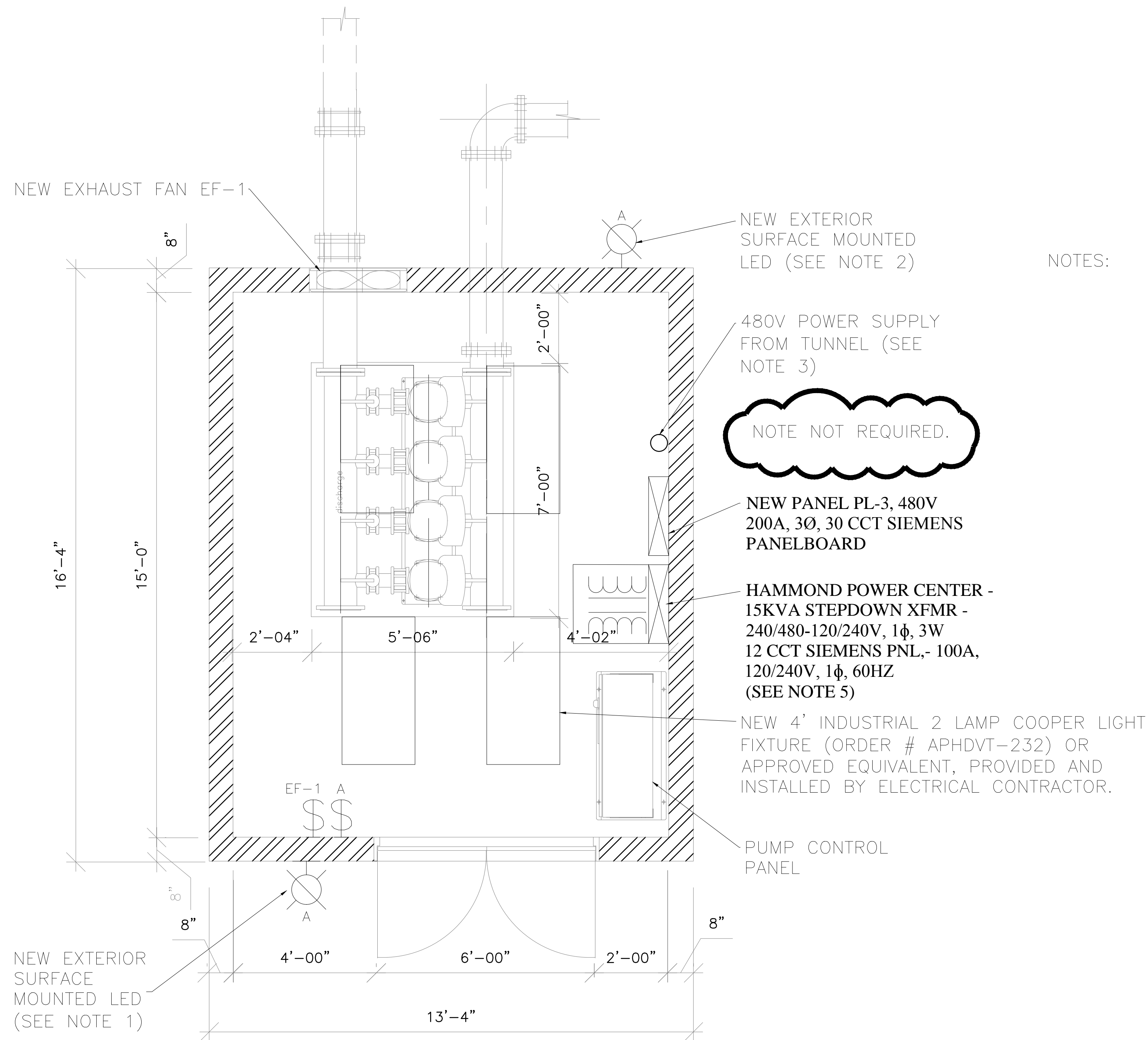
**PUMPING STATION  
ELECTRICAL FLOOR PLANS**

SHEET NUMBER:

**E5**

REVISION

**1**



NOTES:

1. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE BERMUDA BUILDING CODE, NATIONAL ELECTRIC CODE (2008), NFPA 72 (2010), AND NFPA 101 (2012). REFER TO ELECTRICAL SPECIFICATIONS.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW LITHONIA LED WALL PACK (ORDER # OLV-23) OR APPROVED EQUIVALENT.
3. NEW 2" CONDUIT CHanneled FROM TUNNEL SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. NEW 2" CONDUIT CHanneled BACK TO TUNNEL SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
5. HAMMOND POWER CENTER SHALL BE SUPPLIED BY PUBLIC WORKS AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

**1**  
**E5** PROPOSED SITE PLAN  
1/2"=1'0"



ISSUED FOR: - -

AMENDMENTS:

NO:	REVISION	APP	DATE:
1	PLANNING		10/10/16

SCALE: N.T.S.

**SURVEY**  
PREPARED BY: RS DATE: 10/10/16

**DESIGN**  
PREPARED BY: RS DATE: 10/10/16  
CHECKED BY: RS DATE: 10/10/16

**DRAWING**  
PREPARED BY: RS DATE: 10/10/16  
CHECKED BY: RS DATE: 10/10/16

APPROVED BY: RS

PROJECT NUMBER:

PROJECT NAME:  
**FORT PROSPECT  
CENTRAL AREA  
PUMP STATION**  
14 FORT HILL ROAD

DEVONSHIRE

DRAWING FILE NO:

SHEET TITLE:  
**PROPOSED SINGLE  
LINE DIAGRAM**

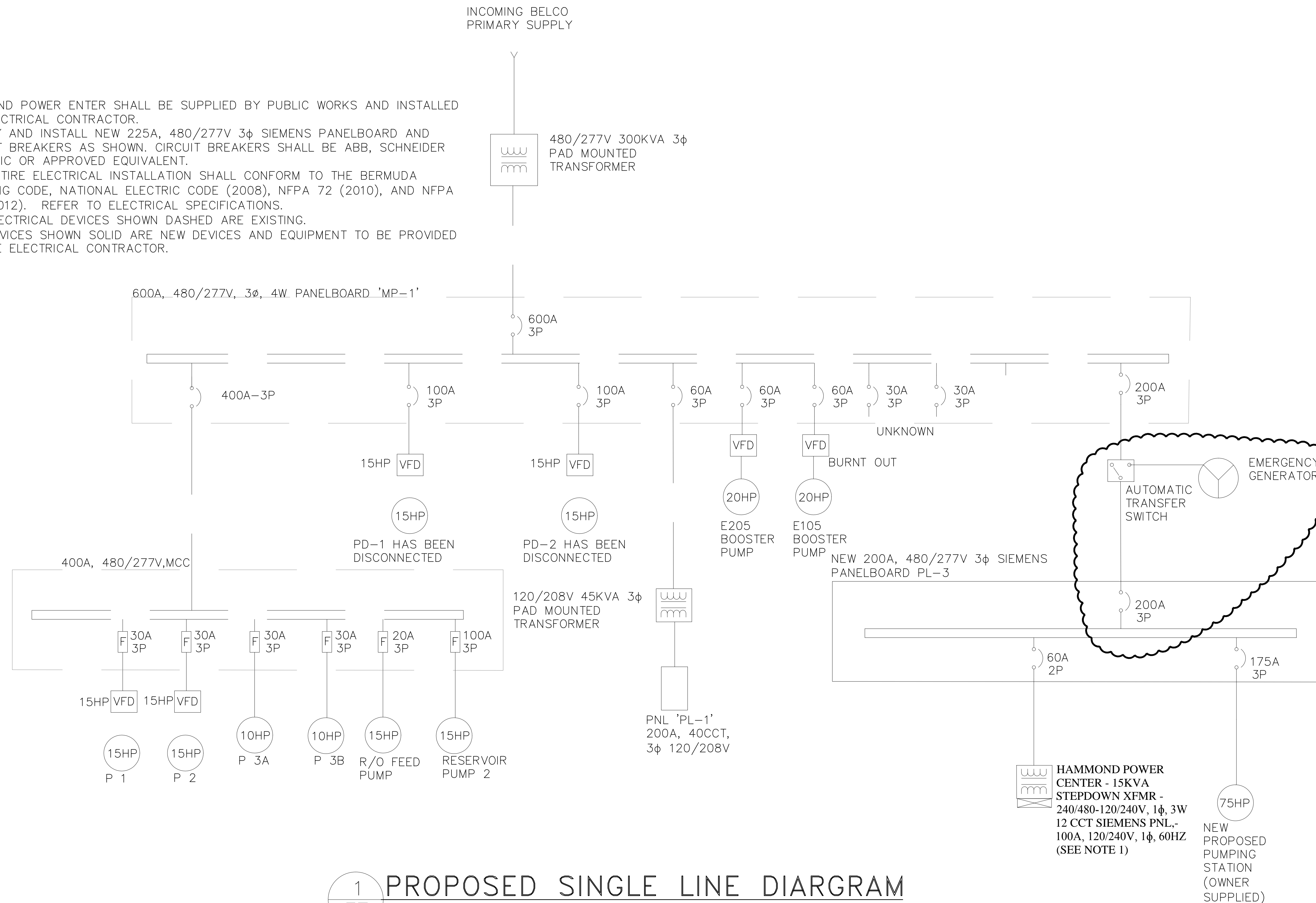
SHEET NUMBER: **E7**

REVISION

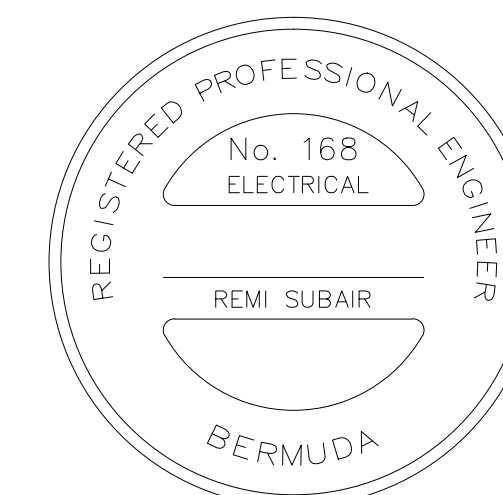


NOTE;

- 1) HAMMOND POWER ENTER SHALL BE SUPPLIED BY PUBLIC WORKS AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 2) SUPPLY AND INSTALL NEW 225A, 480/277V 3φ SIEMENS PANELBOARD AND CIRCUIT BREAKERS AS SHOWN. CIRCUIT BREAKERS SHALL BE ABB, SCHNEIDER ELECTRIC OR APPROVED EQUIVALENT.
- 3) THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE BERMUDA BUILDING CODE, NATIONAL ELECTRIC CODE (2008), NFPA 72 (2010), AND NFPA 101 (2012). REFER TO ELECTRICAL SPECIFICATIONS.
- 4) ALL ELECTRICAL DEVICES SHOWN DASHED ARE EXISTING.
- 5) ALL DEVICES SHOWN SOLID ARE NEW DEVICES AND EQUIPMENT TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.



**1**  
**E7** PROPOSED SINGLE LINE DIAGRAM  
N.T.S.



ISSUED FOR: - -

AMENDMENTS:

NO:	REVISION	APP	DATE:
1	PLANNING		10/10/16

SCALE: N.T.S.

SURVEY  
PREPARED BY: RS DATE: 10/10/16

DESIGN  
PREPARED BY: RS DATE: 10/10/16  
CHECKED BY: RS DATE: 10/10/16

DRAWING  
PREPARED BY: RS DATE: 10/10/16  
CHECKED BY: RS DATE: 10/10/16

APPROVED BY: RS

PROJECT NUMBER:

PROJECT NAME:  
**FORT PROSPECT  
CENTRAL AREA  
PUMP STATION  
14 FORT HILL ROAD**

DEVONSHIRE

DRAWING FILE NO:

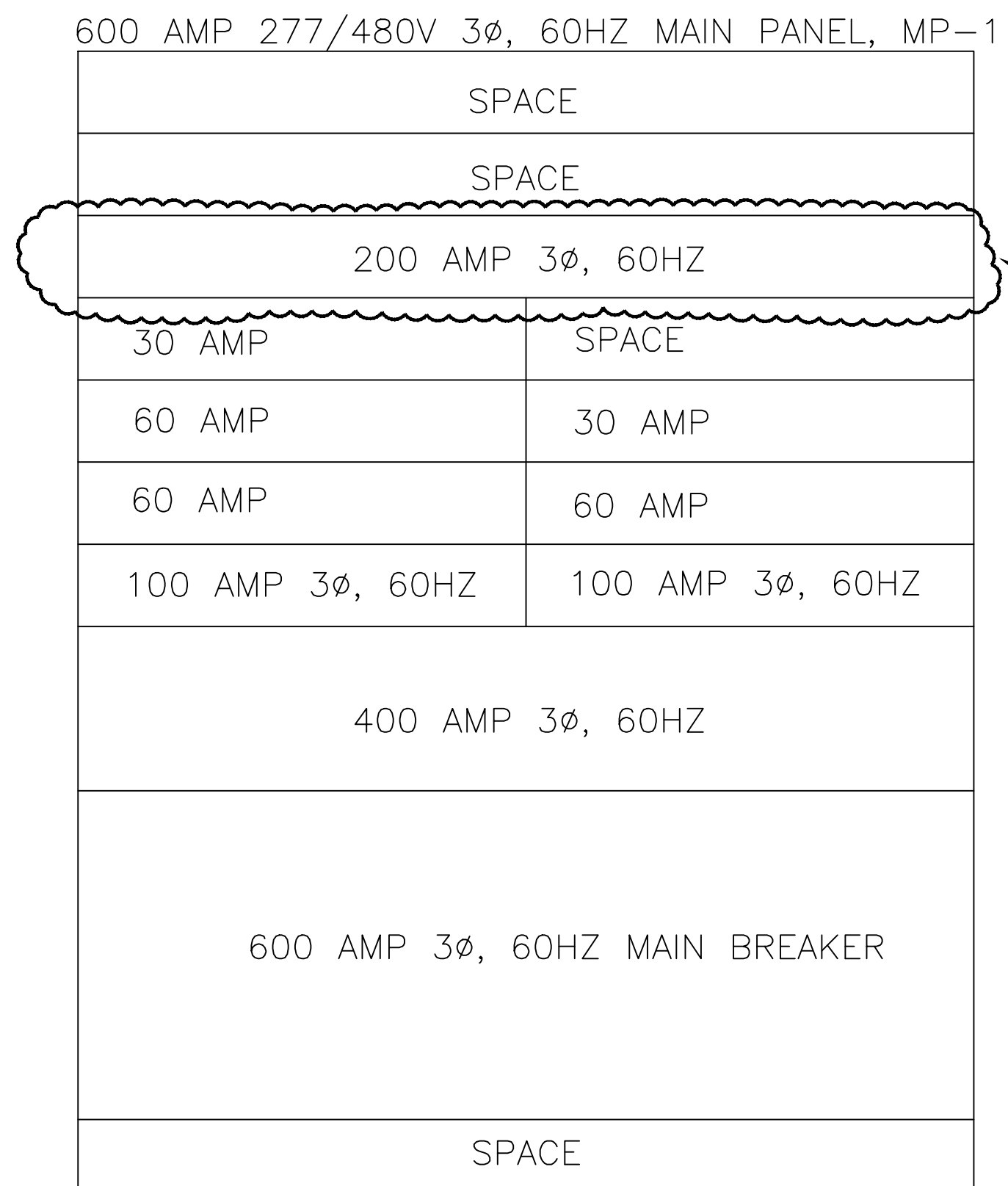
SHEET TITLE:  
**ELECTRICAL  
SPECIFICATIONS**

SHEET NUMBER: **E9**

REVISION

1

MOTOR NUMBER	DESCRIPTION	HORSEPOWER	FULL LOAD AMPS	KILOWATTS	VOLTAGE	PHASE	FED FROM	OVERCURRENT PROTECTION	FEEDER	DISC AT MOTOR		STARTER				CONTROLS				CONTACTS		REMARKS	
										REQUIRED	TYPE	TYPE	SIZE	VFD	FWD/REV/STOP	START/STOP	HND/OFF/AUTO	REM START/STOP	CNTRL XFMR	PILOT LIGHT	NORMALLY OPEN		NORMALLY CLOSED
BP-1	BOOSTER PUMP				460	3	MP-1	60A-3P		●													
BP-2	BOOSTER PUMP				460	3	MP-1	60A-3P		●													
PS-1	NEW PUMPING STATION				460			175A-3P	3#1 AWG	●													
CP-1	CLEANING PUMP	10	3		460	3	MCC		3#12-3/4" C	●													
CP-2	CLEANING PUMP	10	3		460	3	MCC		3#12-3/4" C	●													
EF-1	R/O FEED PUMP	15			460	1	MCC		2#12-3/4" C	●													
EF-2	RESERVOIR #2 PUMP				460	1	MCC		2#12-3/4" C	●													
P-1	P1	15			460	1	MCC		2#12-3/4" C	●													
P-2	P2	15			460	1	MCC		2#12-3/4" C	●													



NEW EATON SERIES C CIRCUIT BREAKER OR APPROVED EQUIVALENT

CIR	BKR	WATTAGE	LTG	REC	MIS	REMARKS	REMARKS	MIS	REC	LTG	WATTAGE	BKR	CIR
		A $\phi$	B $\phi$	C $\phi$							A $\phi$	B $\phi$	C $\phi$
1						PUMPING ST.							2
3	175												4
5													6
7	60					CDP							8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
TOTALS		A $\phi$ TOTAL=			B $\phi$ TOTAL=			C $\phi$ TOTAL=			TOTALS		
REMARKS:													

CIR	BKR	WATTAGE	LTG	REC	MIS	REMARKS	REMARKS	MIS	REC	LTG	WATTAGE	BKR	CIR
		A $\phi$	B $\phi$	C $\phi$							A $\phi$	B $\phi$	C $\phi$
1						INTERIOR							2
3						EXTERIOR							4
5						EXHAUST FAN							6
7													8
9													10
11													12
TOTALS		A $\phi$ TOTAL=			B $\phi$ TOTAL=			C $\phi$ TOTAL=			TOTALS		
REMARKS:													

POWER	LIGHTING
DUPLEX RECEPTACLE	SURFACE MOUNTED 2X4 FLUORESCENT (TWO T8 LAMPS)
QUAD RECEPTACLE	EMERGENCY DC BATTERY PACK WITH REMOTE HEADS
MOTOR WITH DISCONNECT SWITCH	EXTERIOR LED
TRANSFORMER	SINGLE POLE SWITCH
PANEL / MCC	TWO POLE SWITCH
JUNCTION BOX	
VARIABLE SPEED DRIVE	
FUSE	
FUSED DISCONNECT SWITCH	



