

# ISSUED FOR TENDER ELECTRICAL

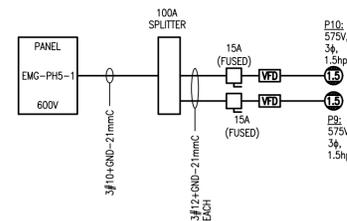
2022/03/09

# NRC S-77 BUILDING BOILERS # 4 & 5 MODIFICATIONS

100 SUSSEX DRIVE, OTTAWA, ON, K1N 5A2

## GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS AND CLEARANCES ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES AND/OR OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR MUST VISIT THE SITE AND FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK PRIOR TO PROJECT COMMENCEMENT.
- ALL TRADES TO COORDINATE WORK ON SITE, WITH APPROVAL OF DEPARTMENTAL REPRESENTATIVE TO AVOID ANY CONFLICTS AND/OR INTERFERENCE.
- ANY AND ALL REQUIRED SHUTDOWNS SHALL BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
- INSTALLATION OF ALL SYSTEMS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
- CONTRACTOR TO BE RESPONSIBLE FOR REINSTATEMENT AND REPAIR OF ANY DAMAGE CAUSED BY WORK.
- CONTRACTOR SHALL PREVENT THE SPREAD OF DUST AND DEBRIS BEYOND AREA OF WORK AND CLEAN ALL SURFACES AT COMPLETION.



**1**  
**E1** PARTIAL SINGLE LINE DIAGRAM  
PUMP P9 & P10 - NEW WORK  
N.T.S.

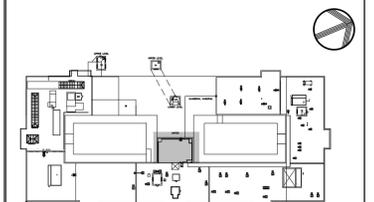
ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	SURFACE MOUNTED ELECTRICAL PANEL
	SAFETY SWITCH
	VARIABLE FREQUENCY DRIVE
	THREE-PHASE ELECTRICAL MOTOR (NUMBER DENOTES HP)
	TRANSFORMER

ABBREVIATION LEGEND	
SYMBOL	DESCRIPTION
N	NEW
S	SURFACE MOUNTED

LINETYPE LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING

NEW WORK NOTES			
<b>1</b>	PROVIDE 15A FUSED DISCONNECT SWITCH AND CONNECTION TO NEW PUMP 'P9' W/ REMOTE VFD. PROVIDE 15A FUSED DISCONNECT SWITCH AND CONNECTION TO NEW PUMP 'P10' W/ REMOTE VFD. PROVIDE INTERCONNECTIONS BETWEEN VFD'S AND THE UNIT-MOUNTED DISCONNECT SWITCH TO SHUTDOWN THE VFD WHEN DISCONNECTED REMOTELY. PUMPS AND VFDs TO BE SUPPLIED AND INSTALLED BY MECHANICAL TRADES. COORDINATE EXACT LOCATION ON SITE WITH MECHANICAL TRADES. PROVIDE LAMACOID LABEL ON DISCONNECT SWITCH TO POWER DOWN VFD PRIOR TO DE-ENERGIZING THE DISCONNECT SWITCH. PROVIDE NEW 100A-RATED SPLITTER C/W 3φ/12+GND-21mmc FEEDER FOR EACH PUMP. PROVIDE ONE (1) 600V, 15A, 3-POLE BREAKER IN PANEL 'EMG PDPH5-1' C/W 3φ/10+GND-21mmc TO FEED SPLITTER. REFER TO 1/E1 FOR DETAILS.		

## KEY PLAN PLAN CLÉ



No.	Date	Revision	By:
4	25 03 2022	ISSUED FOR TENDER	GVAL
3	09 03 2022	RE-ISSUED FOR 100% REVIEW	GVAL
2	11 02 2022	RE-ISSUED FOR 90% REVIEW	GVAL
1	28 01 2022	ISSUED FOR 90% REVIEW	GVAL
0	21 12 2021	ISSUED FOR 60% REVIEW	GVAL

Date Printed: 25 03 2022 Date imprimée:

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

	A Detail no. No. du détail		B Location drawing no. sur dessin no.
	C Drawing no. dessin no.		A Detail no. No. du détail
	B Location drawing no. sur dessin no.		C Drawing no. dessin no.

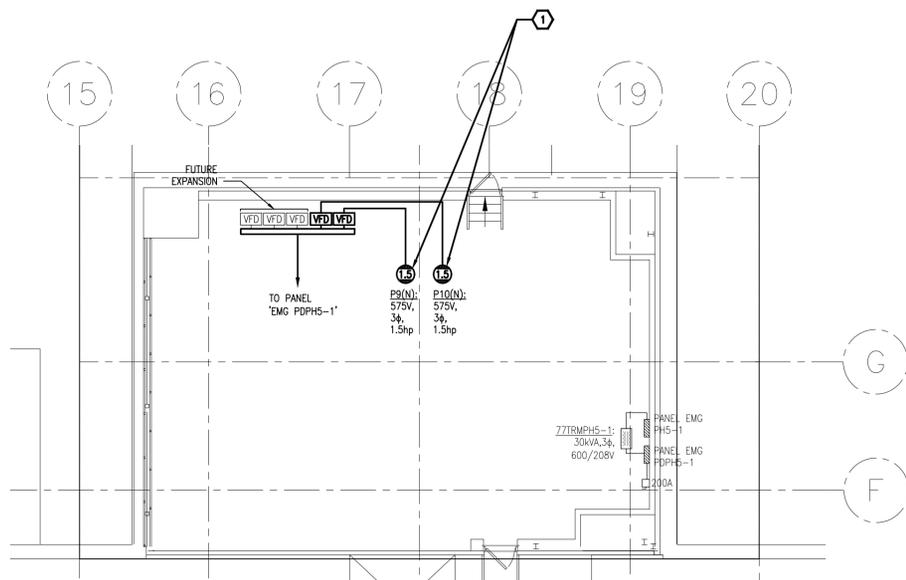
project BOILERS #4+5 MODIFICATIONS projet

NRC S-77 BUILDING

drawing ADDITION OF NEW PUMPS - ELECTRICAL dessin

designed <b>MMVASQUEZ</b>	conçu	date <b>02-2022</b>	date
drawn <b>MMVASQUEZ</b>	dessiné	scale <b>AS SHOWN</b>	échelle
checked <b>RBOVIN</b>	vérifié	sheet <b>1 of/de 1</b>	feuille
approved <b>RBOVIN</b>	approuvé	W.O.no. <b>A1-011224-16-01</b>	D.T.no.

dwg.no. 6067-E1 dessin no.



**2**  
**E1** PARTIAL FLOOR MAP  
PUMP P9 & P10 - NEW WORK  
1:100

