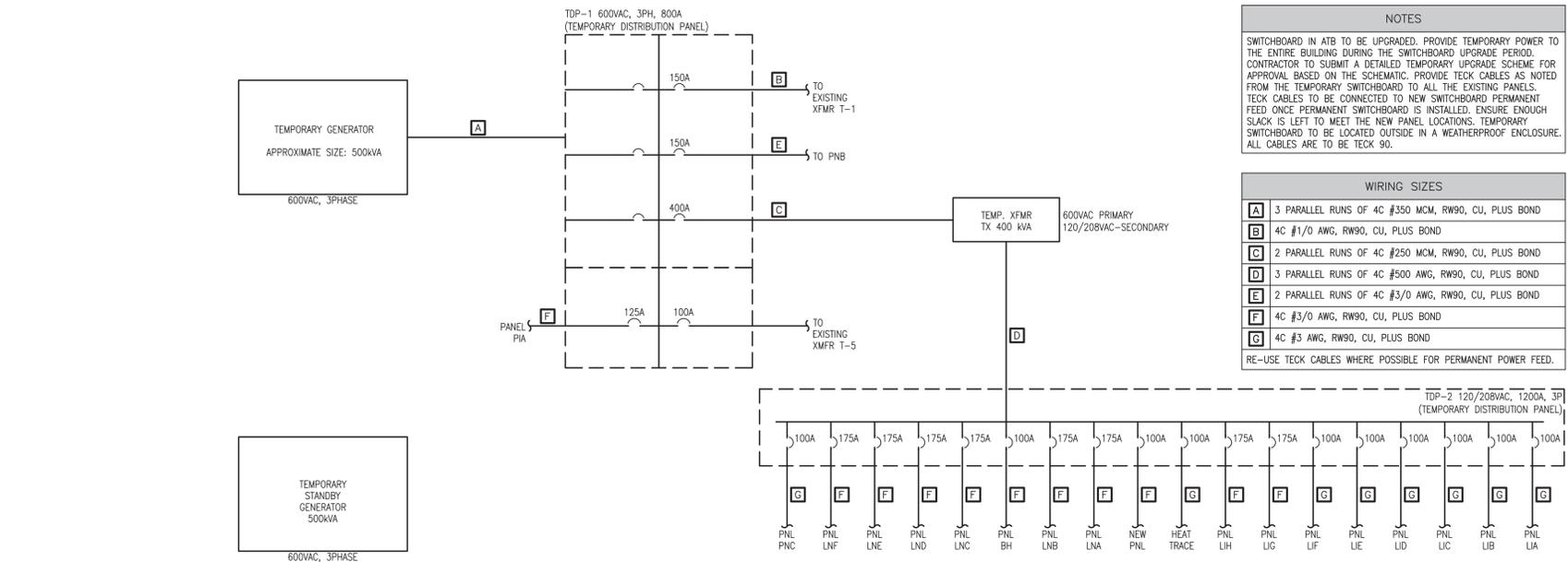


**ELECTRICAL ROOM – NEW**  
SCALE: 1:50  
E8 E10



**TEMPORARY POWER ARRANGEMENT FOR SWITCHBOARD UPGRADE**  
SCALE: N.T.S.  
E10 E10

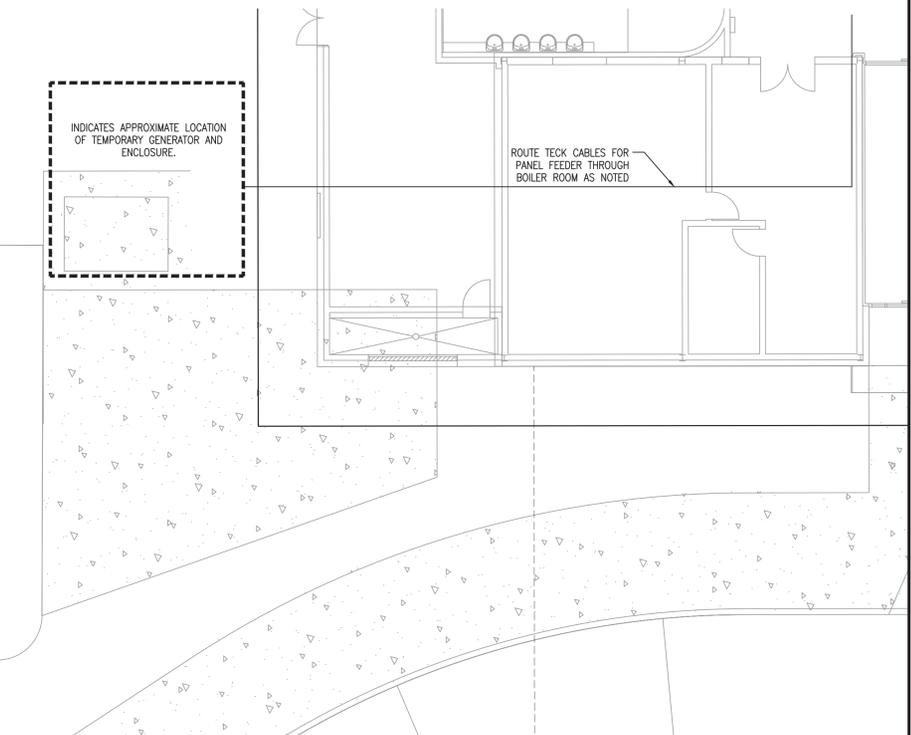
**NOTES**

SWITCHBOARD IN ATB TO BE UPGRADED. PROVIDE TEMPORARY POWER TO THE ENTIRE BUILDING DURING THE SWITCHBOARD UPGRADE PERIOD. CONTRACTOR TO SUBMIT A DETAILED TEMPORARY UPGRADE SCHEME FOR APPROVAL BASED ON THE SCHEMATIC. PROVIDE TECK CABLES AS NOTED FROM THE TEMPORARY SWITCHBOARD TO ALL THE EXISTING PANELS. TECK CABLES TO BE CONNECTED TO NEW SWITCHBOARD PERMANENT FEED ONCE PERMANENT SWITCHBOARD IS INSTALLED. ENSURE ENOUGH SLACK IS LEFT TO MEET THE NEW PANEL LOCATIONS. TEMPORARY SWITCHBOARD TO BE LOCATED OUTSIDE IN A WEATHERPROOF ENCLOSURE. ALL CABLES ARE TO BE TECK 90.

**WIRING SIZES**

A	3 PARALLEL RUNS OF 4C #350 MCM, RW90, CU, PLUS BOND
B	4C #1/0 AWG, RW90, CU, PLUS BOND
C	2 PARALLEL RUNS OF 4C #250 MCM, RW90, CU, PLUS BOND
D	3 PARALLEL RUNS OF 4C #500 AWG, RW90, CU, PLUS BOND
E	2 PARALLEL RUNS OF 4C #3/0 AWG, RW90, CU, PLUS BOND
F	4C #3/0 AWG, RW90, CU, PLUS BOND
G	4C #3 AWG, RW90, CU, PLUS BOND

RE-USE TECK CABLES WHERE POSSIBLE FOR PERMANENT POWER FEED.



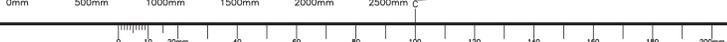
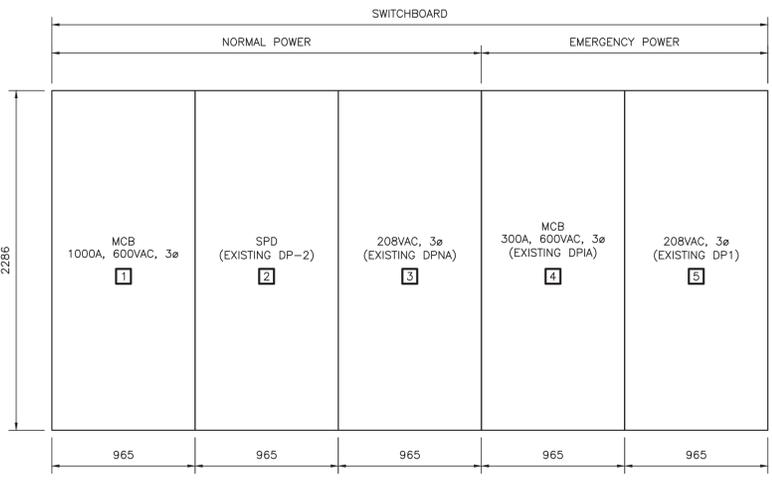
**ENLARGED SITE PLAN – ELECTRICAL**  
SCALE: 1:100  
E1 E10

**NOTES**

1	MAIN PANEL 'DP-2' MAIN BREAKER – 1200AF, 800AT, 600VAC, 3ø, 42KAIC
2	SURGE PROTECTION DEVICE MAIN DISTRIBUTION PANEL WITH BREAKERS
3	PANEL 'DPNA' DISTRIBUTION PANEL – 208VAC, 3ø, 1600A, 42KAIC
4	EMERGENCY PANEL 'DPIA' MAIN BREAKER – 400AF, 300AT, 600VAC, 3ø, 25KAIC SURGE PROTECTION DEVICE AND EMERGENCY DISTRIBUTION PANEL
5	EMERGENCY 'DP1' – 208VAC, 3ø, 800A, 42KAIC

NOTE:  
1. TRANSFORMERS SHALL BE MOUNTED EXTERNALLY.  
2. THE FOOTPRINT OF THE NEW SWITCHBOARD SHALL BE SIMILAR TO THE EXISTING SO THAT PULLING EXISTING INCOMING CABLE IS FEASIBLE.  
3. ALL PANELS ARE 1219mm DEEP. SIZES ARE APPROXIMATE BASED ON A PARTICULAR MANUFACTURER.

**SWITCHBOARD UPGRADE LAYOUT**  
SCALE: 1:20  
E10 E10



prime consultant:  
**ARCHITECTURE 49**



APPROX. NORTH

F	ISSUED FOR TENDER	MAR 30 2017
E	ISSUED FOR 99% REVIEW	FEB 10 2017
D	ISSUED FOR 66% REVIEW	NOV 4 2016
C	ISSUED FOR 33% REVIEW	AUG 5 2016
B	DESIGN DEVELOPMENT	MAY 27 2016
A	DESIGN DEVELOPMENT	MAR 26 2016

project  
**WABUSH ATB RENOVATIONS**  
**WABUSH AIRPORT WABUSH, NL**

drawing  
**ENLARGED ELECTRICAL ROOM LAYOUT & ELEVATIONS AND SCHEMATIC**

designed	C.MACINTYRE	conçu
date	MAY 2016	
drawn	M.KAMPHUIS	dessiné
date	MAY 2016	
approved	C.MACINTYRE	approuvé
date	MAY 2016	
Tender	2017/05/10	Soumission
PWSC Project Manager	Administrateur de projets TPSCC	
project number	R.076412.001	no. du projet
drawing no.	E10	no. du dessin