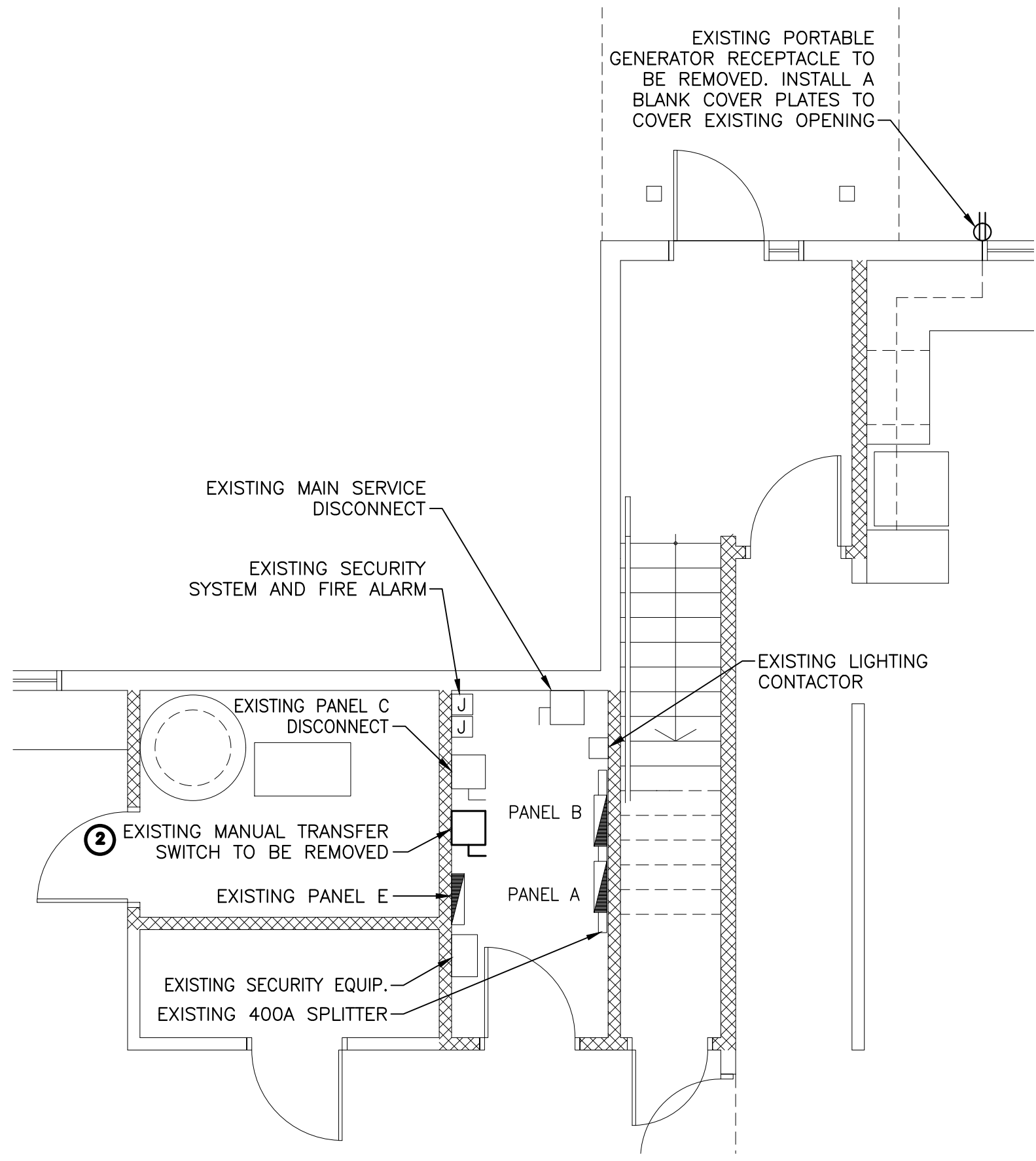


EXISTING AND DEMOLITION SINGLE LINE DIAGRAM 1
SCALE : NTS
E2



EXISTING AND DEMOLITION ELECTRICAL LAYOUT 2
SCALE : 1:50
E2

ELECTRICAL NOTES: ①

NOTE 1: EXISTING SAR STATION BUILDING IS CURRENTLY FED FROM THE HARBOR AUTHORITY ELECTRICAL BUILDING LOCATED ON THE WHARF SIDE THOUGHT 2 X RUNS OF (4#250 MCM RW90 AND 1#3 GREEN BOND IN 91mm PVC CONDUITS). THIS CONTRACTOR SHALL:

- DISCONNECT EXISTING FEEDER FROM BOTH SIDES, MARK AND LABEL AS SPARE AND INDICATES ORIGIN OF CABLES.
- MARK EXISTING MAIN CIRCUIT BREAKER LOCATED ON THE ELECTRICAL BUILDING AS SPARE.
- DECOMMISSION EXISTING SAR STATION OWNER'S METER LOCATED ON THE HARBOR AUTHORITY ELECTRICAL BUILDING.
- COORDINATE WITH HARBOR AUTHORITY REPRESENTATIVE.
- PAY FOR ALL UTILITIES FEES.

NOTE 2: REMOVE EXISTING MANUAL TRANSFER SWITCH AND RETURN TO DEPARTMENTAL REPRESENTATIVE. PROVIDE NEW WIRING AND EXTEND EXISTING CONDUIT AS SHOWN ON NEW SINGLE LINE DIAGRAM ON DRAWING E4. PANEL E IS FED FROM PANEL A THROUGH A 30A 2P CIRCUIT BREAKER.

NOTE 3: EXISTING PANEL C IS CURRENTLY FED UNDERGROUND FROM THE MAIN ELECTRICAL ROOM LOCATED UNTO THE SAR BUILDING. PANEL C IS BOTTOM FED. DISCONNECT EXISTING FEEDER AND LABEL AS SPARE. EXISTING DISCONNECT SWITCH TO REMAIN. REEFED EXISTING PANEL C FROM NEW ELECTRICAL BUILDING AS SHOWN ON NEW SINGLE LINE DIAGRAM ON DRAWING E4.

NOTES	DESIGNATION																	DESIGNATION																	NOTES
	VOLTS			PANEL			MAIN BREAKER				PHASE			LOCATION			MAINS																		
	120/208			A			N/A				3			ELECTRICAL BUILDING			225																		
	WIRE			FED FROM			SWB1				WIRE			WIRE			BRANCH BREAKER I.C. 50 kA MTG. SURFACE																		
DESIGNATION	KW			WIRE SIZE	CIR NO.	BKR	L1	L2	L3	BKR	CIR NO.	WIRE SIZE	KW			DESIGNATION																			
	A	B	C										A	B	C																				
1 ELECTRICAL BUILDING LIGHTING	0.35				1	20A				20A	2		0.5			RECEPTACLES																			
1 ELECTRICAL BUILDING HEATING		1.0			3	15A 2P				15A	4			0.5		EF-1																			
GENERATOR HEATER / BAT. CHARGER			1.0		5					15A	6					SPARE																			
SPARE					7	20A				15A	8					SPARE																			
SPARE					9	15A				15A	10					SPARE																			
SPARE					11	30A				20A	12					SPARE																			
SPARE					13	20A				20A	14					SPARE																			
					15					20A	16					SPARE																			
					17					20A	18					SPARE																			
					19					20A	20					SPARE																			
					21																														
					23					24																									
					25					26																									
					27					28																									
					29					30																									
					31					34																									
					33					36																									
					35					38																									
					37					40																									
					41					42																									
ø "A" TOTAL 0.85 KW																		NOTES: 1. 2#12 AWG + #12 BOND IN 21mm EMT																	
ø "B" TOTAL 2.5 KW																																			
ø "C" TOTAL 1.0 KW																																			
TOTAL LOAD 4.35 KW 12.0 AMPS @ 120/208V																		FEEDER SEE SINGLE LINE DIAGRAM																	

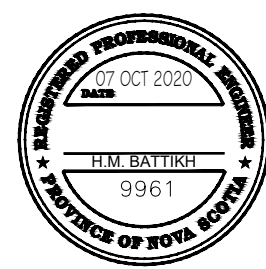
LIGHTING SCHEDULE:

TYPE A: LED SURFACE AMBIENT LUMINAIRE, 1200mm LENGHT, 120V, 80 CRI, c/w 1.5m CHAIN HANGAR SET WITH V-HOOKS, 5 YEARS WARRANTY, cETL OR cUL RATED, PAINTED AFTER FABRICATION FOR EXTRA CORROSION PROTECTION, SUSPENDED @ 2.7m A.F.F., 26W, 3000 LUMENS @ 4000K, 119lm/W, LED INTEGRAL TO THE FIXTURE.

MANUFACTURER'S CATALOGUE NO(S):
DAY-BRITE CAT. NO. FSS-4-30L-840-120-DIM-PAF-PFR126
METALUX CAT. NO. 4SNLED-LD5-30SL-LN-UNV-L840-CD-1-AYC-CHAIN/SET

TYPE B: OUTDOOR LED WALL SCENCE LUMINAIRE, DIE-CAST HOUSING, DARK PLATINUM COLOR C/W DARK PLATINUM WALL COVER MOUNTING PLATE, cETL OR cUL LISTED, SUITABLE FOR WET AND OUTDOOR LOCATION, IP65 OPTICAL COMPARTMENT RATED, 5 YEARS WARRANTY, WALL MOUNTED @ 2.5m A.F.G. (LIGHTING FIXTURE INSTALLED ON THE ROOF GABLE BOTH SIDES SHALL BE INSTALLED AT 3600mm A.F.G.), 120V, 70 CRI, TYPE 3 DISTRIBUTION, 34.3W, 3200 LUMENS @ 3000K, LED INTEGRAL TO THE FIXTURE.

MANUFACTURER'S CATALOGUE NO(S):
KEENE CAT. NO. LPW16-30-WW-G3 - 3-120-DGY- LPWCVRRLP-DGY (DARK GRAY)
McGraw-Edition CAT. NO. ISS-AF-450-LED-E1-T3-DP-7030-LCF (DARK PLATINUM)



1	ISSUED FOR TENDER	07 OCT 2020
revisions		date

project	project
SEARCH AND RESCUE STATION EMERGENCY POWER ADDITION	
LOUISBOURG, NS.	

drawing	dessin
EXISTING AND DEMOLITION CONDITIONS AND SCHEDULES	

designed H. BATTIKH	conçu
date AUGUST 2020	
drawn K. WOLFE	dessiné
date AUGUST 2020	
approved H. BATTIKH	approuvé
date	
Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.102094.001	
drawing no.	no. du dessin

E2