EXISTING SQUARE D 'NQOB' PANEL

PANEL A LOCATION: MCC — MOUNTING: SURFACE — 225 AMP. MAINS.
SERVICE: 120/208v, 1ø, 3W. — BRANCH CIRCUIT I.C. 10,000 AMPS RMS SYM.

LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT		BKR	WIRE	LOAD	LOAD DESCRIPTION	PHASE A	PHASE B
LIGHTS (2)	800	*	15	1	2	15	*	750	5 RECEPTACLES (2)	---	
EXIT LIGHT (2)	100	*	15	3	4	15	*	500	1 RECEPTACLE (2)		---
EXHAUST FAN (2)	250	*	15	5	6	15	*	500	1 EXT. RECEPTACLE (2)		
EMERG. LIGHTING UNIT (2)	75	*	15	7	8	15	*	120	CHLORINE AGITATORS (2)	---	
FILTER (2)	100	*	15	9	10	15	*	100	TIME CLOCK/PUMP (2)		---
FURNACE(1)	1500	12	15	11	12	15	*	100	CHLORINE PUMPS (2)		
FIRE PUMP CONTROL(1)	500	12	15	13	14	15	*	100	PRESSURE SWITCH (2)		
SPARE			15	15	16	15			SPARE		
SPARE			20	17	18	20			SPARE		
DEEP WELL PUMP (1)	509 509	10	20A 2P	19 21	20 22	30A 2P			SPARE		
SPARE			30A 2P	23 25	24 26	50A 2P			MAIN BREAKER(2)		
SPACE				27 29 31 33 35	28 30 32 34 36				SPACE		

COMMENTS: ∘ – GROUND FAULT BREAKER.
+ – INDICATES C/W LOCK–ON DEVICE.

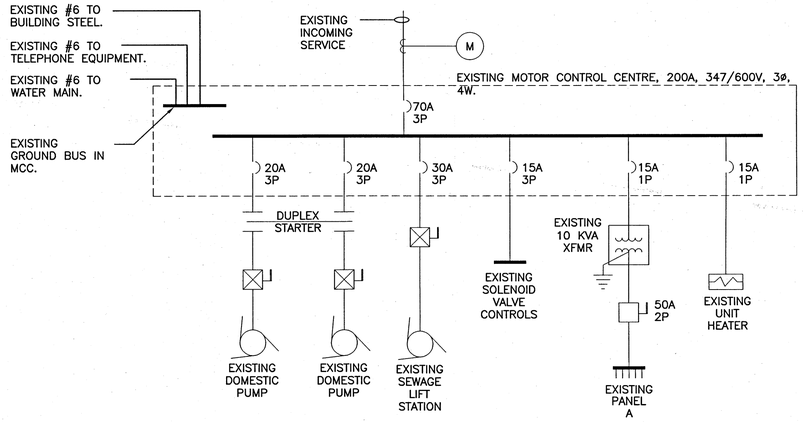
CONNECTED LOAD * KW. — TOTAL WATTS

ESTIMATED DEMAND * KW. — TOTAL AMPS

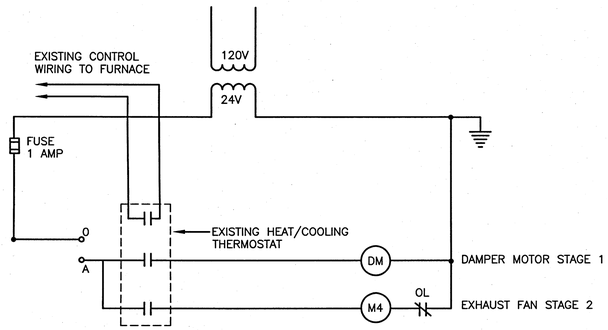
(1) –DENOTES EXISTING EQUIPMENT REPLACED WITH NEW IN EXISTING LOCATION. FEED FROM EXISTING BREAKER, REUSE EXISTING CONDUIT AND PROVIDE NEW WIRING. MODIFY EXISTING CONDUIT TO SUIT NEW WORK PROVIDE ADDITIONAL CONDUIT AS REQUIRED.

(2) –DENOTES EXISTING EQUIPMENT TO REMAIN

NOTE: PROVIDE AND INSTALL NEW TYPEWRITTEN PANEL SCHEDULE FOR THIS PANEL. VERIFY AND IDENTIFY THAT ALL CIRCUITRY CORRESPONDS TO EACH BREAKER IN PANEL.

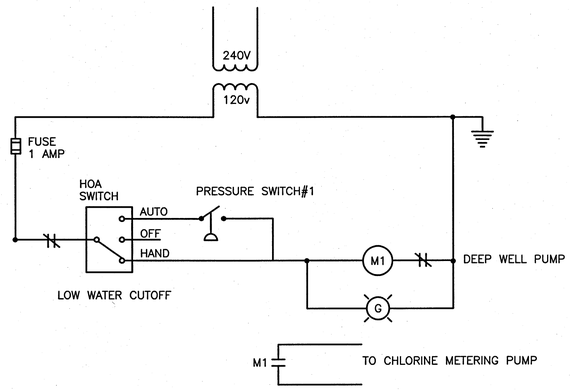


1 / E4 EXISTING MCC RISER DIAGRAM DETAIL
N.T.S.



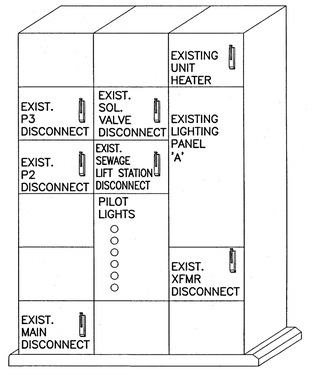
4 / E4 EXISTING FURNACE/EXHAUST– CONTROL SCHEMATIC
N.T.S.

EXISTING FURNACE IS TO BE REPLACED WITH A NEW ONE. RECONNECT NEW FURNACE TO EXISTING CONTROL AS DETAILED ABOVE. CONTROL SCHEMATIC WAS TAKEN FROM AS–BUILT DRAWINGS VERIFY EXACT CONTROL ARRANGEMENT ON SITE PRIOR TO COMMENCING WITH WORK AND RECONFIGURE WIRING TO SUIT NEW FURNACE.



3 / E4 EXISTING DEEP WELL PUMP– CONTROL SCHEMATIC
N.T.S.

EXISTING DEEP WELL PUMP IS TO BE REPLACED WITH A NEW PUMP. RECONNECT NEW PUMP TO EXISTING CONTROL AS DETAILED ABOVE. CONTROL SCHEMATIC WAS TAKEN FROM AS–BUILT DRAWINGS VERIFY EXACT CONTROL ARRANGEMENT ON SITE PRIOR TO COMMENCING WITH WORK AND RECONFIGURE WIRING TO SUIT NEW PUMP.



2 / E4 EXISTING MCC DIAGRAM
N.T.S.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF NEWFOUNDLAND — MICHAEL G. O'REILLY — SIGNATURE — 2013.05.29 DATE

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGNL PERMIT HOLDER
This Permit Allows
STANTEC CONSULTING LTD.
To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PEG J0291 which is valid for the year 2013.

revisions		date
0	ISSUED FOR TENDER	2013.05.29

project / projet

ST. ANTHONY AIRPORT PUMPHOUSE UPGRADES

NEWFOUNDLAND–LABRADOUR

drawing / dessin

PUMPHOUSE ELECTRICL RISER, PANEL SCHEDULE & DETAILS

designed / conçu	D. MELVIN	
date	2011.10.13	
drawn / dessiné	D.MELVIN	
date	2011.10.13	
approved / approuvé	MIKE O'REILLY	
date	2011.12.09	
Tender / Soumission	PWGSC Project Manager / Administrateur de projets TPSGC	2013/06/04
project number / no. du projet	R.045122.001	
drawing no. / no. du dessin	E4	

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