

NEW PANEL

PANEL N202HA

LOCATION: PENTHOUSE N20
SERVICE: 347/600V, 3ø, 4W

MOUNTING: SURFACE
BRANCH CIRCUIT I.C.

600 AMP MAINS
35,000 AMPS RMS SYM.

LOAD DESCRIPTION	LOAD WIRE	BKR	CIRCUIT	BKR WIRE/LOAD	LOAD DESCRIPTION	PHASE LOAD A B C
PENTHOUSE HEAT	60A 2P	1	2	2P	HEATING COIL N20 CP3	----
HEATING COIL N20 CP2	60A 2P	3	4	60A	HEATING COIL N20 CP5	----
HEATING COIL N20 CP4	60A 2P	5	6	60A	HEATING COIL N20 CP6	----
SUPPLY UNIT	30 3P	7	8	30 3P	RETURN FAN	----
CONDENSER	30 3P	9	10	60 AMP	COMPRESSOR	----
HEATING COIL N20 CP1	100 3P	11	12	50 3P	CONDENSER #2	----
HEATING COIL N20 S1	300 3P	13	14	60 3P	SPARE	----
SPARE	40 3P	15	16	30 3P	SPARE	----
COMMENTS: ● -- GROUND FAULT BREAKER. + -- INDICATES C/W LOCK-ON DEVICE. * -- INDICATES NEW SPARE BREAKER. NO CIRCUIT TO BE RELOCATED.				CONNECTED LOAD ESTIMATED DEMAND	--- KW. --- KW.	TOTAL WATTS TOTAL AMPS

NOTES:
1. EXISTING BREAKERS SHOWN FOR REFERENCE ONLY. EXACT AMPERAGE/POLES TO BE CONFIRMED ON SITE.
SUPPLY NEW AS REQUIRED. NEW BREAKERS TO BE SUPPLIED TO MATCH EXISTING.

NEW PANEL

PANEL G201HB

LOCATION: CORRIDOR G20
SERVICE: 347/600V, 3ø, 4W

MOUNTING: RECESSED
BRANCH CIRCUIT I.C.

400 AMP MAINS
22,000 AMPS RMS SYM.

LOAD DESCRIPTION	LOAD WIRE	BKR	CIRCUIT	BKR WIRE/LOAD	LOAD DESCRIPTION	PHASE LOAD A B C
HEATER RM. 111,110,109,108	30 3P	1	2	30	HC-11, 19	----
HEATER RM. 107,106	30 3P	3	4	AMP		----
HEATER RM. 105,104,103,115 Y	30 3P	5	6	3P		----
HEATER RM. 101,102,100	30 3P	7	8	30	HC-13, 12 & 14	----
HEATER RM. 115ZRMU/MALE WSKROMS	30 3P	9	10	30	HC-15, 16, 17, 18, MTG RM 100	----
HC-20	15 3P	11	12	30		----
DUCT HEATER G-20	40 3P	13	14	AMP	NEW VENTILATION UNIT	----
AMANDA G & 102 DUCT HTR	30 3P	17	18	30		----
SPARE	30 3P	21	22	3P	NEW HUMIDIFIER 17KW	----
SPARE	30 3P	23	24	15		----
SPARE	30 3P	25	26	AMP	FAN F-2 SPEED DRIVE F21	----
SPARE	15 3P	27	28	3P		----
SPARE	15 3P	29	30	50		----
HEATER NEW OFFICE F19-102	15 3P	31	32	AMP	YORK ROOFTOP UNIT	----
HC-NEW	15 3P	33	34	3P		----
SPARE	50 3P	37	38	AMP	HUMIDIFIER (RELOCATED TO BE CONFIRMED ON SITE)	----
HC-21	AMP 3P	40	40	3P		----
SPARE	3P 41	42	20P		SPARE	----
COMMENTS: ● -- GROUND FAULT BREAKER. + -- INDICATES C/W LOCK-ON DEVICE. * -- INDICATES ARC FAULT BREAKER.				CONNECTED LOAD ESTIMATED DEMAND	--- KW. --- KW.	TOTAL WATTS TOTAL AMPS

NOTES:
1. EXISTING BREAKERS SHOWN FOR REFERENCE ONLY. EXACT AMPERAGE/POLES TO BE CONFIRMED ON SITE.
SUPPLY NEW AS REQUIRED. NEW BREAKERS TO BE SUPPLIED TO MATCH EXISTING.

Public Works and
Services
Canada

Trovaux Publics et
Services
gouvernementaux
Canada

KEY PLAN

ACCESSORIES

LVR - BUILT-IN LOW VOLTAGE RELAY
LESS TRANSFORMER
LVRT - BUILT-IN LOW VOLTAGE RELAY
C/W TRANSFORMER
BIT - BUILT-IN THERMOSTAT.

MOUNTING

WS - WALL SURFACE.
WF - WALL FLUSH
CS - CEILING SURFACE.
CF - CEILING FLUSH.

NEW PANEL

PANEL H71EA

LOCATION: SUBSTATION NO. 1 H7
SERVICE: 347/600V, 3ø, 4W

MOUNTING: SURFACE
BRANCH CIRCUIT I.C.

400 AMP MAINS
35,000 AMPS RMS SYM.

LOAD DESCRIPTION	LOAD WIRE	BKR	CIRCUIT	BKR WIRE/LOAD	LOAD DESCRIPTION	PHASE LOAD A B C
45KVA TRANSFORMER	AMP 3P	1	2	40 3P	FORCE FLOW HEATER	----
SPARE	15 3P	5	6	3P		----
SPARE	15 3P	7	8	17/5	PUMP HOUSE	----
SPARE	20 3P	9	10	AMP		----
UNKNOWN LOAD	20 3P	11	12	3P		----
	20 3P	13	14	15	EXHAUST FAN H1	----
	AMP 3P	15	16	AMP		----
HEATER #1	20 3P	17	18	3P	SPARE	----
	AMP 3P	21	22	20	SPARE	----
	3P 23	24	20		SPARE	----
UNIT HEATERS SUBSTATION NO. 1 (FORMER TRANSFORMER VAULT)	3335 3P	25	26	60 3P	PANEL H71EL	----
	3335 3P	27	28	AMP		----
	3335 3P	29	30	3P		----
		31	32			----
		33	34			----
		35	36			----
		37	38			----
		39	40			----
		41	42			----
COMMENTS: ● -- GROUND FAULT BREAKER. + -- INDICATES C/W LOCK-ON DEVICE. * -- INDICATES NEW SPARE BREAKER. NO CIRCUIT TO BE RELOCATED.				CONNECTED LOAD ESTIMATED DEMAND	--- KW. --- KW.	TOTAL WATTS TOTAL AMPS

NOTES:
1. EXISTING BREAKERS SHOWN FOR REFERENCE ONLY. EXACT AMPERAGE/POLES TO BE CONFIRMED ON SITE.
SUPPLY NEW AS REQUIRED. NEW BREAKERS TO BE SUPPLIED TO MATCH EXISTING.

NEW PANEL

PANEL H171EB

LOCATION: SUBSTATION NO. 1 H7
SERVICE: 120/208V, 3ø, 4W

MOUNTING: SURFACE
BRANCH CIRCUIT I.C.

225 AMP MAINS.
35,000 AMPS RMS SYM.

LOAD DESCRIPTION	LOAD WIRE	BKR	CIRCUIT	BKR WIRE/LOAD	LOAD DESCRIPTION	PHASE LOAD A B C
BATTERY CHARGER	15 3P	1	2	15	SUBSTATION LIGHTS	----
RECEPT. H7 SUB #1	15 3P	3	4	15	UNKNOWN LOAD	----
RECEPT. H7 DOOR OPERATOR	15 3P	5	6	15	FUEL OIL TRANSFER PUMP	----
UNKNOWN LOAD	15 3P	7	8	15	LIGHTS POWER HOUSE	----
GENERATOR HEATER RIGHT	30 3P	9	10	15	POWER FOR METERING	----
GENERATOR HEATER	30 3P	11	12	15	FIRE ALARM PANEL	----
SPARE	20 3P	13	14	15	SPARE	----
SPARE	20 3P	15	16	15	SPARE	----
SPARE	15 3P	17	18	20	SPARE	----
		19	20			----
		21	22			----
		23	24			----
		25	26			----
		27	28			----
		29	30			----
		31	32			----
		33	34			----
		35	36			----
		37	38			----
		39	40			----
		41	42			----
COMMENTS: ● -- GROUND FAULT BREAKER. + -- INDICATES C/W LOCK-ON DEVICE. * -- INDICATES NEW SPARE BREAKER. NO CIRCUIT TO BE RELOCATED.				CONNECTED LOAD ESTIMATED DEMAND	--- KW. --- KW.	TOTAL WATTS TOTAL AMPS

NOTES:
1. EXISTING BREAKERS SHOWN FOR REFERENCE ONLY. EXACT AMPERAGE/POLES TO BE CONFIRMED ON SITE.
SUPPLY NEW AS REQUIRED. NEW BREAKERS TO BE SUPPLIED TO MATCH EXISTING.

NEW PANEL

PANEL J141HA

LOCATION: MECHANICAL ROOM J14
SERVICE: 347/600V, 3ø, 4W

MOUNTING: SURFACE
BRANCH CIRCUIT I.C.

225 AMP MAINS.
22,000 AMPS RMS SYM.

LOAD DESCRIPTION	LOAD WIRE	BKR	CIRCUIT	BKR WIRE/LOAD	LOAD DESCRIPTION	PHASE LOAD A B C
DUCT HEATER J14-C1	30 3P	1	2	50 3P	DUCT HEATER J14-C3	----
	50 3P	5	6	3P		----
	50 3P	7	8	30	FORCE FLOW - CORR. 103	----
DUCT HEATER J14-C4	AMP 9 3P	9	10	30	FORCE FLOW - LOBBY 108	----
	15 3P	11	12	30	DUCT HEATERS J14-C5,C6,C7	----
DUCT HEATER J14-C2	15 3P	13	14	20		----
P.H. HEATERS	20 3P	15	16	AMP	UNIT HEATER	----
P.H. HEATERS	20 3P	17	18	3P		----
SPARE	20 3P	19	20	15	SPARE	----
SPARE	20 3P	21	22	15	SPARE	----
SPARE	15 3P	23	24	20	SPARE	----
		25	26			----
		27	28			----
		29	30			----
		31	32			----
		33	34			----
		35	36			----
		37	38			----
		39	40			----
		41	42			----
COMMENTS: ● -- GROUND FAULT BREAKER. + -- INDICATES C/W LOCK-ON DEVICE. * -- INDICATES NEW SPARE BREAKER. NO CIRCUIT TO BE RELOCATED.				CONNECTED LOAD ESTIMATED DEMAND	--- KW. --- KW.	TOTAL WATTS TOTAL AMPS

NOTES:
1. EXISTING BREAKERS SHOWN FOR REFERENCE ONLY. EXACT AMPERAGE/POLES TO BE CONFIRMED ON SITE.
SUPPLY NEW AS REQUIRED. NEW BREAKERS TO BE SUPPLIED TO MATCH EXISTING.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
ENGINEERING
PERMIT J0281
STATTEC CONSULTING LTD.
BR 04642
Signature of Member Number
(Not valid as Responsible Engineer)

0	ISSUED FOR TENDER	AUG 28 2016
revisions		date

NORTHWEST ATLANTIC
FISHERIES CENTRE
MAIN ELECTRICAL
UPGRADES

drawn	design
SCHEDULES	

designed	checked
date	March 2016
drawn	J. Dillon
date	March 2016
approved	approved
date	date

Submitted	no. du projet
Project Manager	no. du projet
Project number	no. du projet
R.072210.001	no. du projet
drawing no.	no. du dessin
E704	no. du dessin