	ANNOT	ATIONS	
DENOTE	DESCRIPTION	DENOTE	DESCRIPTION
BND	BOND WIRE (AS PER SPECIFICATIONS)	F/A	FIRE ALARM
GND	GROUND WIRE (#6)	GFI	GROUND FAULT INTERRUPTOR
C/W	COMPLETE WITH	AFG	ABOVE FINISHED GRADE
DISC	DISCONNECT	WP	WEATHERPROOF

	LIGHTING SYMBOLS
SYMBOL	DESCRIPTION
В	2'x4' (610x1220mm) SURFACE LUMINAIRE. LETTER "B" INDICATES TYPE AS PER LUMINAIRE SCHEDULE.
В	SURFACE LUMINAIRE. LETTER "B" INDICATES TYPE AS PER LUMINAIRE SCHEDULE.
\bigcirc ^{\uparrow}	WALL MOUNTED LUMINAIRE
₩P	WALL MOUNTED WEATHERPROOF PHOTOCELL
	EMERGENCY BATTERY PACK WITH REMOTE DUAL HEADS. REFER TO SPECIFICATIONS FOR DETAILS.
4	REMOTE DUAL HEAD EMERGENCY LIGHTS CONNECTED TO EMERGENCY BATTERY PACK WALL MOUNTED . REFER TO SPECIFICATIONS FOR DETAILS.
\$ \$ 3 D	ONE LINE VOLTAGE TOGGLE SWITCH AND LOW VOLTAGE SWITCH MOUNTED 4'-0" (1.2m) ABOVE FINISHED FLOOR LEVEL. UNLESS OTHERWISE NOTED. "3" WHERE SHOWN, DENOTES 3-WAY SWITCH "D" WHERE SHOWN, DENOTES DIMMER SWITCH
(OS)	OCCUPANCY SENSOR - CEILING MOUNTED
(DS)	DAYLIGHT SENSOR - CEILING MOUNTED
I⊗H	EXIT SIGN-WALL MOUNTED, ARROW INDICATES DIRECTION OF EXIT PATH. "WP" DENOTES WEATHERPOOF TYPE
(TO)	

TIMER SWITCH

SYMBOL	DESCRIPTION
Φ	DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLE
* WP GFI HK	"*" WHERE SHOWN, DENOTES CONNECTION TO EMERGENCY POWER. "WP" WHERE SHOWN, DENOTES DEVICE MOUNTED IN WEATHERPROOF F.S. BOX WITH WEATHERPROOF ("GFI" WHERE SHOWN, DENOTES GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE
TL U/W O/C U/C	"TL" WHERE SHOWN, DENOTES TWISTLOCK "UW" WHERE SHOWN, DENOTES UNDER THE WINDOW MOUNTED "OC" WHERE SHOWN, DENOTES OVER THE COUNTER MOUNTED "UC" WHERE SHOWN, DENOTES UNDER THE COUNTER MOUNTED
\$	SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 3'-6" (1050 mm) ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER, UNLESS OTHERWISE NOTED.
4	DUPLEX U-GROUND 15A, 125V, 2P 3 WIRE GROUNDING RECEPTACLE PROTECTED BY G.F.C.I. BREAKER AT PANELBOARD. MOUNTED APPROXIMATELY 3'6" (1050 mm) ABOVE FINISHED FLOOR.
•	SPECIAL PURPOSE RECEPTACLE AS DENOTED
	SINGLE SURFACE MOUNTED / FLUSH MOUNTED PANELBOARD, "PP" DENOTES POWER PANEL,
$lackbox{f V}$	COMMUNICATION OUTLET (IF MULTIPLE DROPS ARE REQUIRED ADD TEXT)
	TRANSFORMER
<u> </u>	POWER TRANSFORMER.
•	MOLDED CASE CIRCUIT BREAKER.
Δ	DELTA GROUND CONNECTION
	WYE GROUND CONNECTION
	PANELBOARD
<u>}</u>	PANELBOARD AND BREAKER
\oplus	GROUND ROD
	ELECTRIC BASEBOARD HEATER
FFH FFH	FORCE FLOW HEATER
PB	PULL BOX (FIBRE GLASS, PVC, ETC.)
Ó	MOTOR
	DISCONNECT SWITCH (UNLESS NOTED OTHERWISE)

	ACCESS CONTROL SYMBOLS
SYMBOL	DESCRIPTION
CR	SECURITY SYSTEM CARD READER OUTLET
DH	POWER CONNECTION TO DOOR HOLDER
MD	SECURITY SYSTEM MOTION DETECTOR
ES	POWER CONNECTION TO ELECTRIC STRIKE
К	SECURITY SYSTEM DISARMING KEYPAD
	SECURITY PANEL

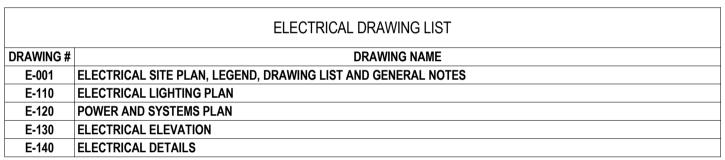
	FIRE ALARM SYMBOLS														
SYMBOL	DESCRIPTION														
(FS)	SPRINKLER FLOW SWITCH														
⟨TS⟩	SPRINKLER TAMPER SWITCH														
	FIRE ALARM HORN.														
ММ	FIRE ALARM MONITORING MODULE														
ELR	END OF LINE RESISTOR														
CG	FIRE ALARM PULL STATION MOUNTED 1100mm ABOVE FINISHED FLOOR LEVEL UNLESS OTHERWISE NOTED. "CG" WHERE SHOWN, DENOTES DEVICE c/w CLEAR GUARD.														

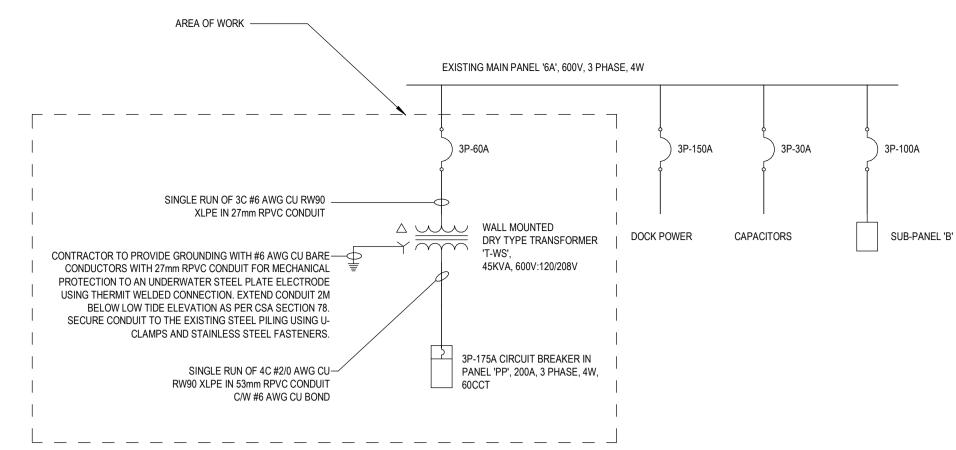
THE EXISTING ELECTRICAL DISTRIBUTION. REPLACE WITH NEW ELECTRICAL DISTRIBUTION AND MODIFICATIONS TO EXISTING DISTRIBUTION AND COMMISSION. 2. EXISTING INFORMATION WITHIN THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OTHERS, EXTRACTED FROM HISTORICAL RECORDS, AND SITE OBSERVATION. EXISTING INFORMATION IS PROVIDED TO FACILITATE THE CONTRACTOR IN PROVIDING A FAIR AND ACCURATE TENDER BID, BY PROVIDING A GREATER UNDERSTANDING OF THE SCOPE OF WORK, BY NO MEANS SHALL THE CONTRACTOR RELY SOLELY ON THE EXISTING INFORMATION PROVIDED TO DETERMINE A COMPLETE AND FULLY ACCURATE SCOPE OF WORK AS NOT ALL ELECTRICAL EQUIPMENT OR DEVICES OR ASSOCIATED THAT REQUIRE TO BE RELOCATED, REMOVED OR REPLACED MAY BE NOTED, WE RECOMMEND CONTRACTOR TO PERFORM A SITE VISIT TO DETERMINE THE EXACT SCOPE OF WORK PRIOR TO PROVIDING THEIR TENDER BID.

GENERAL NOTES:

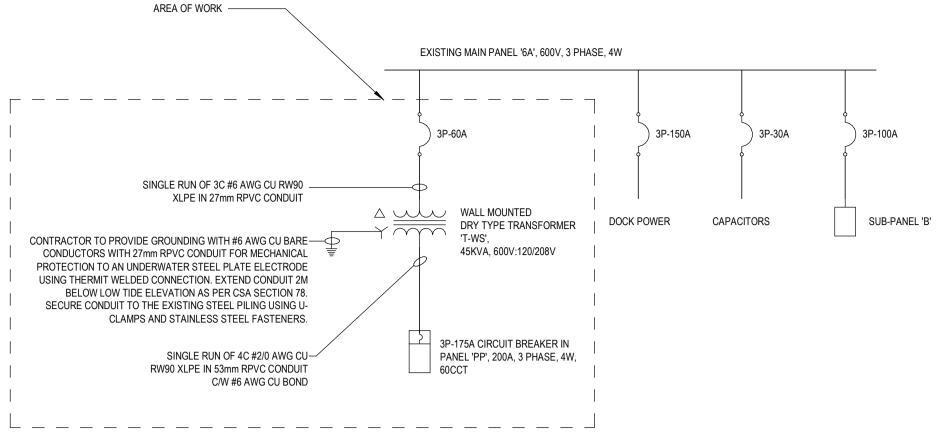
1. CONTRACTOR TO PROVIDE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) AND OBTAIN AUTHORIZATION FROM THE AUTHORITY HAVING

JURISDICTION (AHJ) PRIOR TO COMMENCING WORK. COORDINATE ON SITE WITH DCC REPRESENTATIVE. PROVIDE A SHUTDOWN SCHEDULE TO DCC REPRESENTATIVE THAT IDENTIFIES THE TIMING, PHASING AND COORDINATION OF ALL WORK REQUIRED TO DECOMMISSION OR TEMPORARY RELOCATE









ANIER PARK ENGLISH BAY PROPERTY LINE EXISTING METAL GUARDRAIL EXISTING CONCRETE PIER P9 NEW BUILDING 65m2 (gross) EXISTING BUILDING EXISTING MAIN ELECTRICAL ROOM -REFER TO DRAWING E-120 FOR DETAILS PROPERTY LINE TIDEWATER (PROTECT UNDER FISHERIES ACT AND SPECIES AT RISK ACT TYP.) APPROX. TOP OF BANK WATER LOT FALSE CREEK ELECTRICAL SITE PLAN E-001 1:200







Région de Pacifique

PROJECT NORTH

Victoria BC

250-384-5510 WWW.WSP.COM





WSP PROJECT NUMBER:

201-09709-00



4 RE-ISSUED FOR TENDER 3 ISSUED FOR TENDER 2021.01.2 ISSUED FOR 100% CLIENT REVIEW 2021.01.1 ISSUED FOR 75% CLIENT REVIEW Description/Description

FISHERIES AND OCEANS, **REAL PROPERTY,** SAFETY AND SECURITY

VANCOUVER, BC 200-401 BURRARD ST.

Project title/Titre du projet

KITSILANO CCG SAR -WORKSHOP RECONSTRUCTION

Consultant Signature Box Only

Designed by/Concept par | Approved by/Approuvée par TD/SA

Drawn by/Dessine par

PWGSC Project Manager/Administrateur de Projets TPSGC

WGSC, Regional Manager, Architectural and Engineering Service estionnaire régionale, Services d'architectural et de génie, TPS(

rawing title/Titre du dessin

ELECTRICAL SITE PLAN, LEGEND, **DRAWING LIST AND GENERAL NOTES**

Project No./No. du projet

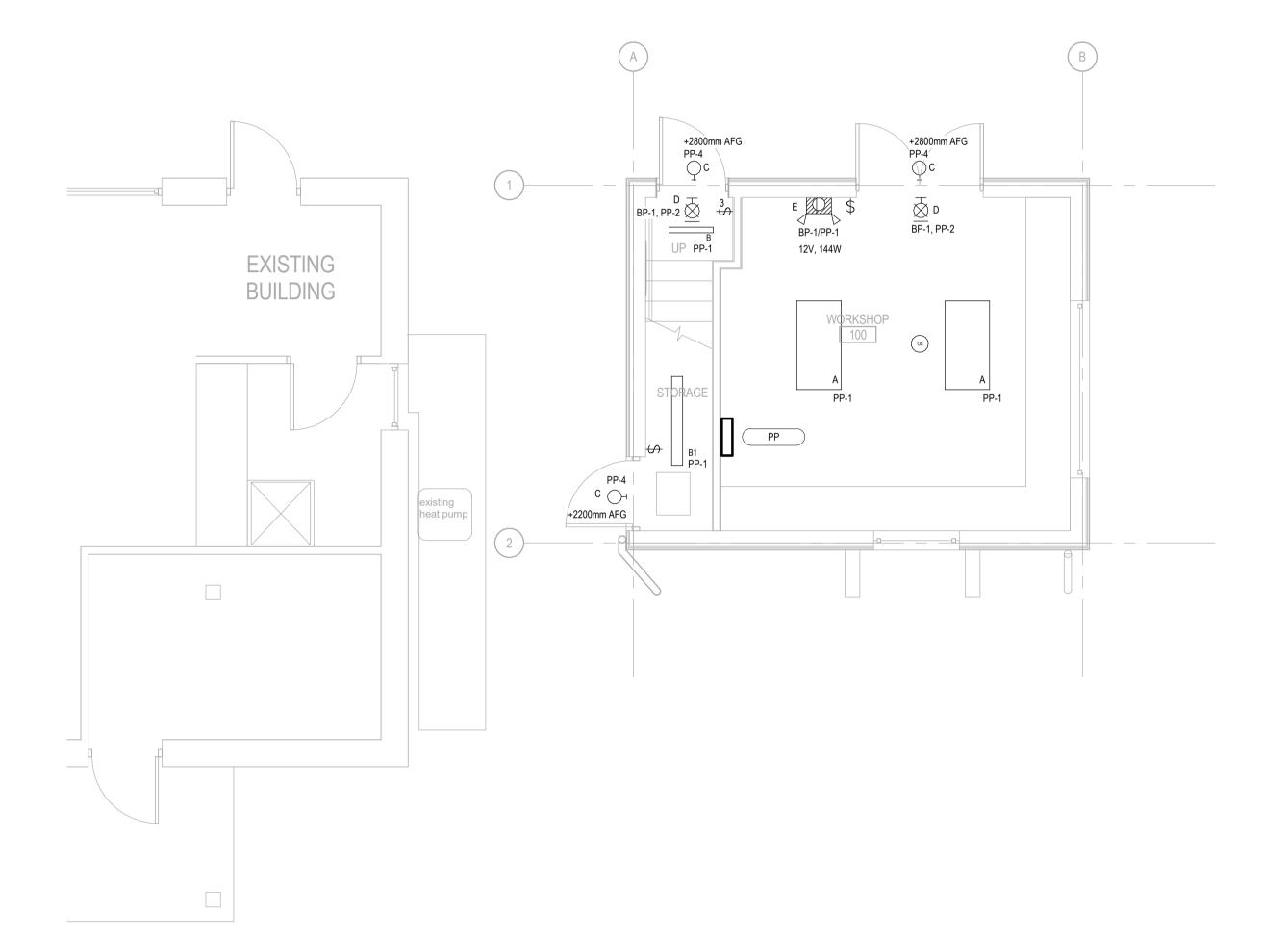
F521A-210639 **E-001**

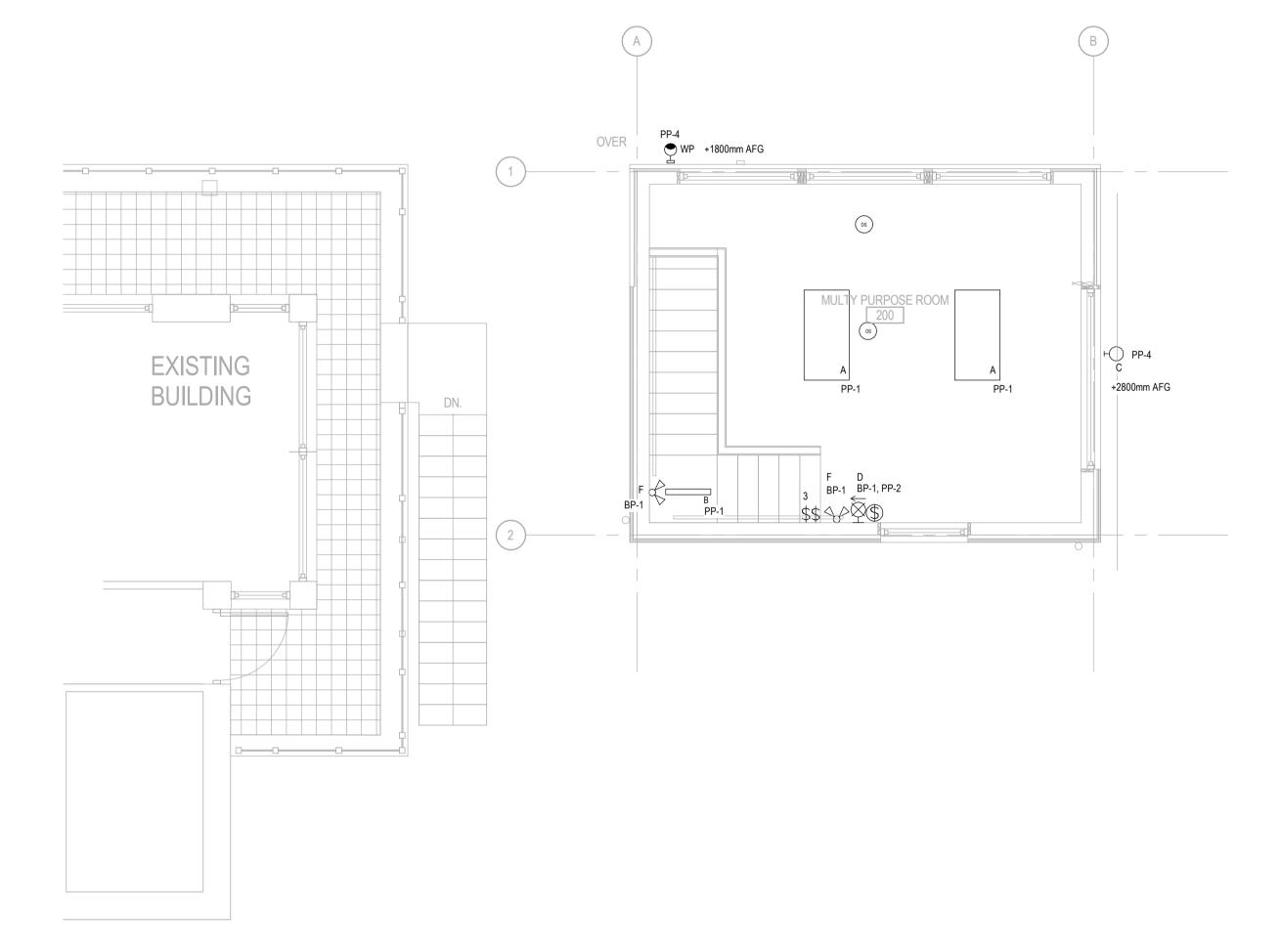
DM5XXXXXX

Sheet/ Feuille Revision no.

GENERAL NOTES:

- 1. EMERGENCY LIGHTING SHALL MEET BC BUILDING CODE REQUIREMENTS. ALL BATTERY PACK CALCULATIONS HAVE BEEN PERFORMED USING THE INDICATED REMOTE HEAD WATTAGE. IF CONTRACTOR SELECTS A REMOTE HEAD WITH A HIGHER WATTAGE RATING THEY SHALL BE
- RESPONSIBLE FOR ANY CHANGES REQUIRED IN THE BATTERY PACK TO MEET THE MINIMUM ILLUMINATION DURATION REQUIREMENT.
- 2. THE CONTRACTOR IS TO SUPPLY ALL NECESSARY TEMPORARY EMERGENCY LIGHTING DURING CONSTRUCTION AS REQUIRED.
- 3. THE WIRING, OPERATION AND COMPATIBILITY OF NEW EMERGENCY LIGHTING EQUIPMENT IS TO BE COORDINATED WITH THE MANUFACTURER. ENSURE THE DESIGN INTENT IS MET AND A FULLY FUNCTIONAL SYSTEM IS YIELDED.
- 4. CONTRACTOR TO FIELD VERIFY ALL EXTERIOR FIXTURE HEIGHTS PRIOR TO INSTALLATION AND NOTIFY THE DEPARTMENT REPRESENTATIVE OF ANY







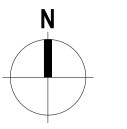
UPPER FLOOR LIGHTING PLAN - NEW E-110 1 : 50



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REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS

Région de Pacifique



PROJECT NORTH









4	RE-ISSUED FOR TENDER	2021.08
3	ISSUED FOR TENDER	2021.01
2	ISSUED FOR 100% CLIENT REVIEW	2021.01
1	ISSUED FOR 75% CLIENT REVIEW	2020.12
Revision	Description/Description	Date/D
Number		
Client/c	lient	

FISHERIES AND OCEANS, **REAL PROPERTY,** SAFETY AND SECURITY

VANCOUVER, BC 200-401 BURRARD ST.

Project title/Titre du projet

KITSILANO CCG SAR -WORKSHOP RECONSTRUCTION

Consultant Signature Box Only

Designed by/Concept par | Approved by/Approuvée par SA/TD

Drawn by/Dessine par

PWGSC Project Manager/Administrateur de Projets TPSGC

WGSC, Regional Manager, Architectural and Engineering Service: estionnaire régionale, Services d'architectural et de génie, TPSG

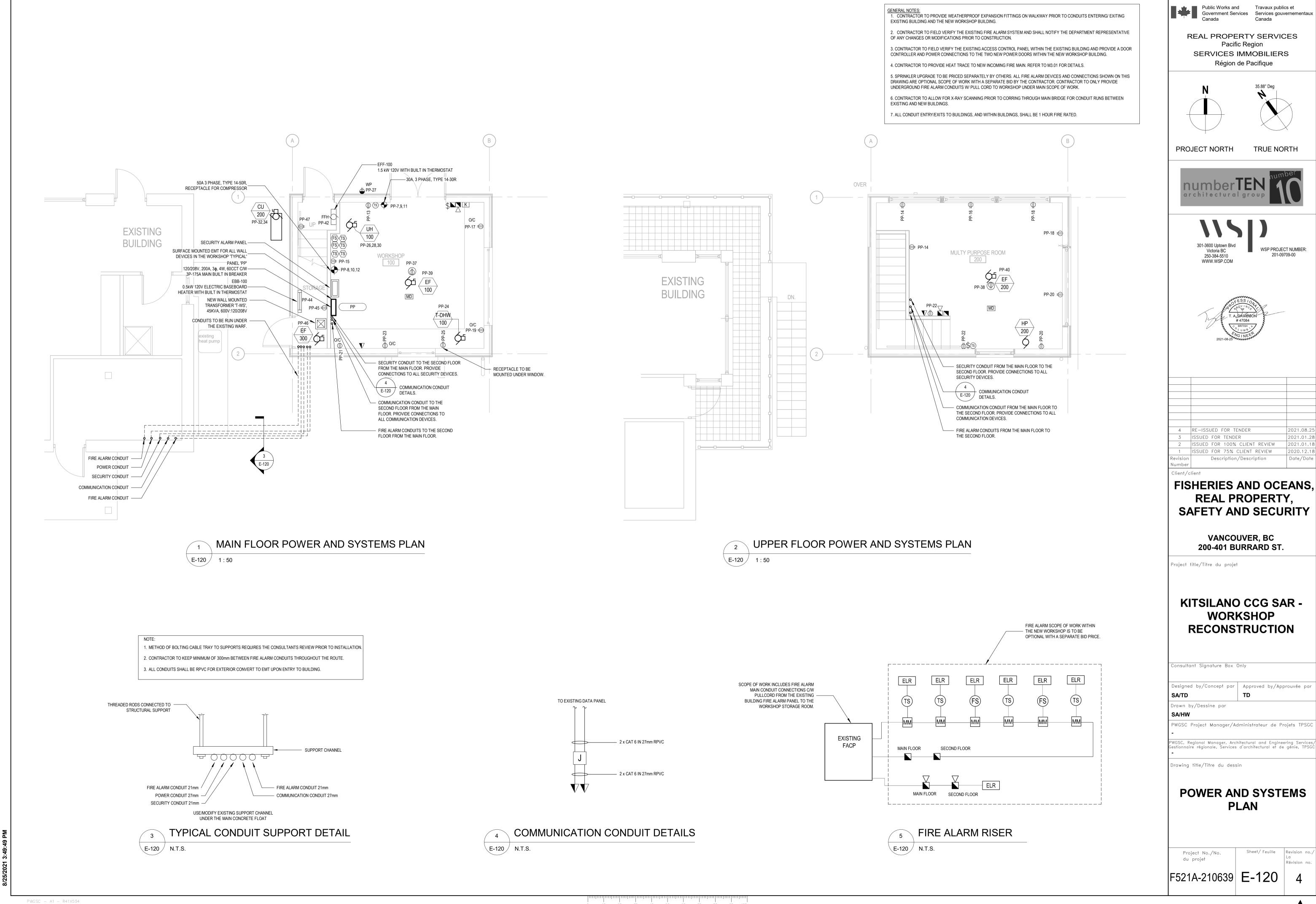
Orawing title/Titre du dessin

ELECTRICAL LIGHTING PLAN

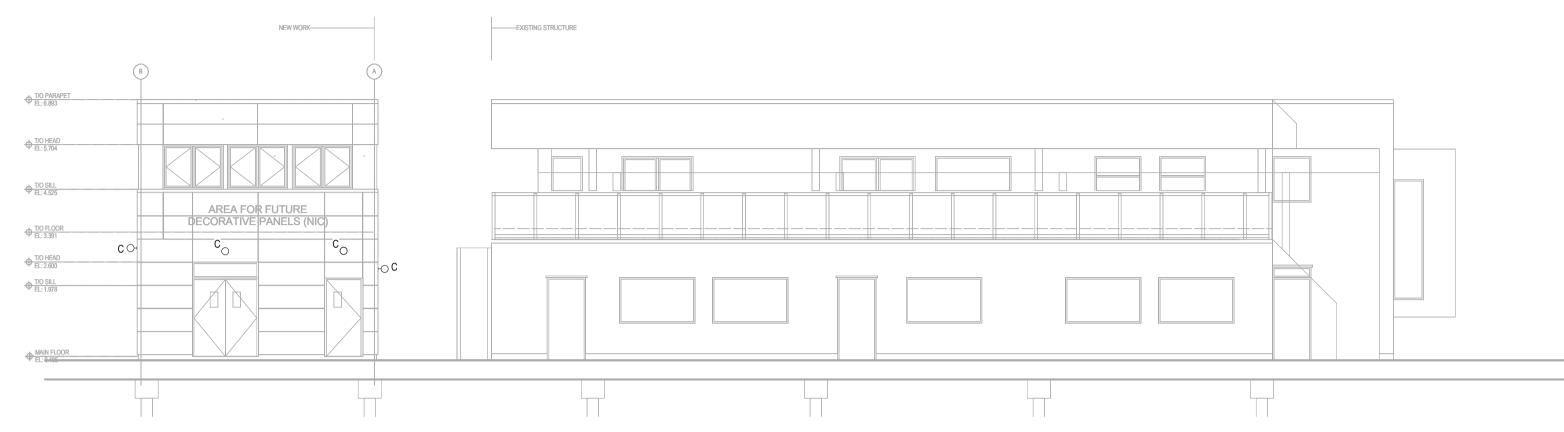
du projet

F521A-210639 **E-110**

DM5XXXXXX



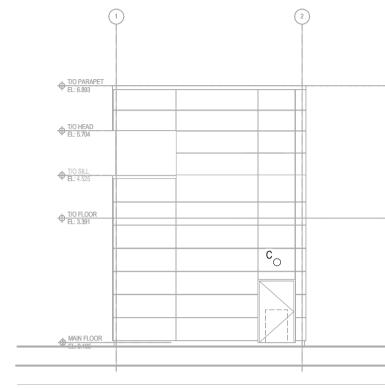
DM5XXXXXX



↑ T/O PARAPET EL: 6.893 T/O HEAD EL: 5.704 T/O SILL EL: 4.525 ↑ T/O FLOOR EL: 3.391







Public Works and Government Services Services gouvernementaux Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique

PROJECT NORTH

301-3600 Uptown Blvd Victoria BC 250-384-5510

WWW.WSP.COM

TRUE NORTH

WSP PROJECT NUMBER: 201-09709-00

Description/Description FISHERIES AND OCEANS,

REAL PROPERTY, SAFETY AND SECURITY

VANCOUVER, BC 200-401 BURRARD ST.

Project title/Titre du projet

KITSILANO CCG SAR -WORKSHOP RECONSTRUCTION

Consultant Signature Box Only

Designed by/Concept par | Approved by/Approuvée par Designer **Approver**

Drawn by/Dessine par

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Regional Manager, Architectural and Engineering Services Sestionnaire régionale, Services d'architectural et de génie, TPSG

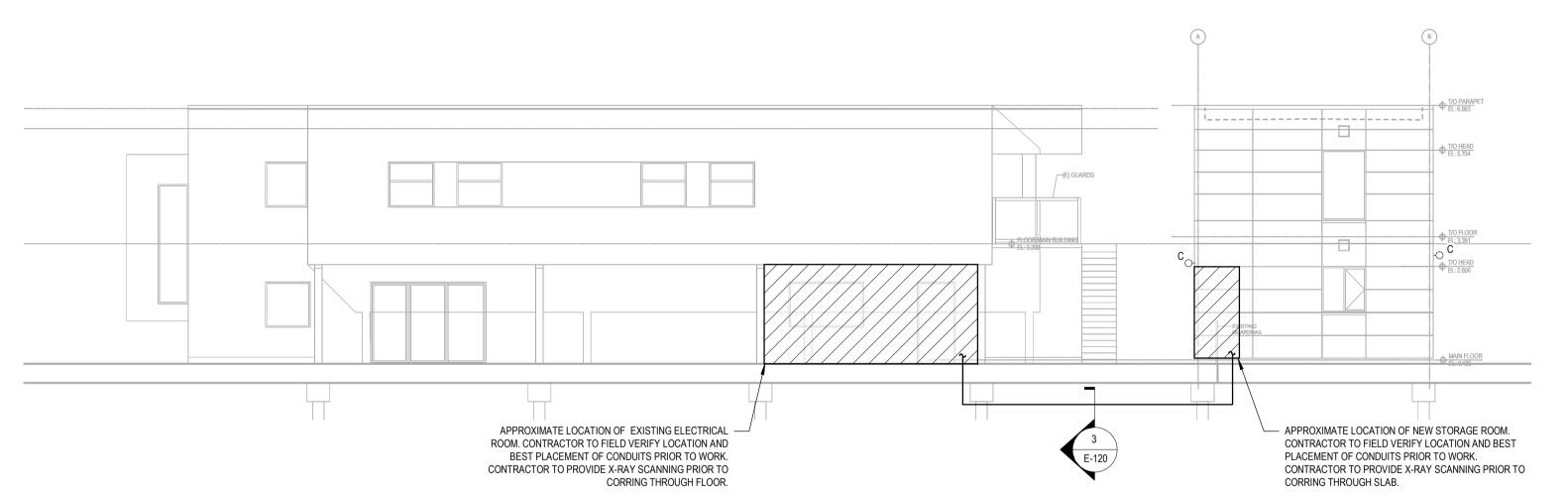
Drawing title/Titre du dessin

ELECTRICAL ELEVATION

du projet

Sheet/ Feuille Revision no./ F521A-210639 **E-130**

NORTH ELEVATION NEW E-130 1 : 100





PWGSC - A1 - 841X594

Branch Panel: PP

Location: SAR WORKSHOP Supply From: 45KVA TRANSFORMER Mounting: Surface Enclosure: NEMA 4X

Volts: 120/208 Wye Phases: 3 Wires: 4

A.I.C. Rating: 10kA Mains Type: 200A, 3Ø, 4W, Copper Mains Rating: 200 A MCB Rating: 225 A

СКТ	Circuit Description	Trip	Poles		4	В			С	Poles	Trip	Circuit Description	СКТ
1	MAIN, SECOND FLOOR LIGHTING, AND BP-1	15 A	1	800 VA	0 VA						15 A	EXIT SIGNS	2
3	SPARE	15 A	1			0 VA	0 VA			1	15 A	EXTERIOR LIGHTS	4
5	SPACE	0 A	1					0 VA	0 VA	1	0 A	SPACE	6
7	RECEPTACLE	30 A	3	0 VA	0 VA					3	50 A	COMPRESSOR	8
9						0 VA	0 VA						10
11								0 VA	0 VA				12
13	MAIN FLOOR RECEPTACLE	15 A	1	1000	1000					1	15 A	SECOND FLOOR RECEPTACLES	14
15	MAIN FLOOR RECEPTACLE	15 A	1			1000	500 VA			1	15 A	SECOND FLOOR RECEPTACLE	16
17	MAIN FLOOR RECEPTACLE	15 A	1					1000	1000	1	15 A	SECOND FLOOR RECEPTACLES	18
19	MAIN FLOOR RECEPTACLE	15 A	1	1000	1000					1	15 A	SECOND FLOOR RECEPTACLES	20
21	MAIN FLOOR RECEPTACLE	15 A	1			1000	1000			1	15 A	SECOND FLOOR RECEPTACLES	22
23	MAIN FLOOR RECEPTACLE	15 A	1					1000	1000 1500		20 A	HOT WATER TANK T-DHW	24
25	MAIN FLOOR RECEPTACLE	15 A	1	1000	2500						30 A	UNIT HEATER UH-100	26
27	MAIN FLOOR WP RECEPTACLE	15 A	1			1000	2500						28
29	RECEPTACLE	15 A	1					1000 2500					30
31	RECEPTACLE	15 A	1	1000	265 VA					2	15 A	CU-200/HP-200 CONDENSING UNIT/HEAT	32
33	RECEPTACLE	15 A	1			1000	265 VA						34
35	RECEPTACLE	15 A	1					1000	0 VA	1	15 A	SPARE	36
37	CEILING MOUNTED RECEPTACLE	20 A	1	1000	1000					1	20 A	CEILING MOUNTED RECEPTACLE	38
39	EXHAUST FAN EF-100	15 A	1			256 VA	256 VA			1	15 A	EXHAUST FAN EF-200	40
41	HEAT TRACING	20 A	1					1000	1500	1	20 A	ELECTRIC FAN FORCED HEATER EFF-100	42
43	HEAT TRACING	20 A	1	1000	500 VA					1	15 A	ELECTRIC BASEBOARD HEATER EBB-100	44
45	STORAGE ROOM RECEPTACLE	15 A	1			1000	368 VA			1	15 A	EXHAUST FAN EF-300	46
47	STAIRWELL RECEPTACLE	15 A	1					1000					48
49													50
51													52
53													54
55													56
57													58
59													60

1150

MECHANICAL EQUIPMENT SCHEDULE

		<u> </u>																												
Project: DFO CCG Kitsilano SAR Workshop						Project No: 201-09709-00					Date:	Date: 2021.06.21																		
			EQUIPMENT			F	OWER	REQUIR	EMENT	s		FIRE /	ALARM	AL	JXILIARY F	WR		START	ΓER			DIS	CONN	ECT		CONT	ROL	DEVI	CE	
REV	ITEM	TAG	DESCRIPTION	LOCATION	윺	KW	Volts	H	FLA	MPS MCA	Single Pt Conn		Trouble Signal	Life Safety	Delayed Vital	Standby	Туре	Location	s	1	w	Туре	s	ıv	Λ Τ ^γ	уре	s	_	W	NOTES
Leve	1		•																											
i		UH-100	Workshop electric unit heater	100			208	3			Υ						SS		М	М	М		Е	E	Е	Т	М	М	Μ	
		EF-100	Workshop exhaust fan	100		265 W	120	1			Y						SS		Е	Е	Е		Е	E	E	м	Е	Е	—	Electrical to provide a wall mounted manual timer switch
		Fire	Tamper Switches	100																										Two at the backflow preventer
2		EFF-100	1.5 kW Electric Force Flow Heater	Stairwell			120	1			Υ								E	Е	Е		Е	E	E	T	Е	Ш	Е	Thermostat
Level	2				_							_																		
		EF-200	Multi-Purpose Rm exhaust fan	200		265 W	120	1			Y						SS		Е	Е	E		Е	E	E	м	Е	Е	—	Electrical to provide a wall mounted manual timer switch
		HP-200	Multi-Purpose Rm heat pump	200	Refer to		208				Υ						SS		Е	Е	E		E	E	E	T	М	М	М	
		CU-200	Condensing unit for HP-200	Outside	Refer to	attached	200	1			Y						SS		Е	E	Е		Е	E E	E		М	М	М	Interlocked to HP-200
																					\neg									
Stora	ge Roo	m	•	•	_							_	•		•			•												
2		EF-300	Transformer Exhaust Fan	Storage Room		368W	120	1			Υ								Е	Е	E		E	E	E	т	М	М	М	
2		EBB-100	0.5 kW Electric Baseboard Heater	Storage Room			120	1			Y								Е	E	Е		Е	E	E	Т	М	М	М	
Unde	r Wharf																													
1			Pipe heat trace - on fire water piping																											Mech to specify Elec to provide power
	1	1	1	1		1	1 1		1	1	I	1	ı	1	1	1	ı	1	1 1			- 1	- 1	- 1		- 1	- 1		1	1

LEGENDSTARTERCONTROL DEVICEEx = ExistingW = WiredE = by ElectricalDSC = Appliance Unfused DisconnectHOA = Magnetic Hand/Off/AutoREL = RelayAM = Airminder TimerHUM = HumidistaI = Installedw/t = wire toM = by MechanicalFASR = Fire Alarm System RelayMAG = Magnetic starter, no external controlSS = Start/StopCO = CO detectorI = InterlockS = SuppliedO = by OthersOA = Off/AutoMAN = Unfused Manual StarterVFD = Var. Freq. DriveDDC = Bldg Automation (BAS)M = Manual HUM = Humidistat RAS = Rev Acting Stat. T = Thermostat
TC = Time Clock GENERAL NOTES

1. Magnetic starters with pilot light and four auxiliary dry contacts for interlocks, 2 NO and 2 NC; thermal overload protection (review Mechanical shop drawings to ensure proper selection); flexible connections for power wiring to all equipment.

2. Electrical to confirm that all electrical panels in mechanical rooms can fit into the allocated space. (Electrical to review panel shop drawings for dimensions.) Shafts for ducts and/or pipes cannot used for electrical distribution.

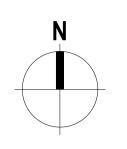
3. Line voltage thermostats shall be supplied by Mechanical and installed by Electrical.

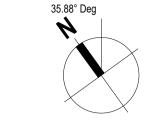
LUMINAIRE SCHEDULE													
TYPE	DESCRIPTION		TYPICAL LOCATION	VOLTAGE	LIGHT SOURCE								
Α	2'X4 LED LOW PROFILE SURFACE MOUNTED PANEL		INTERIOR	120V	4000L, 3500K, 32W								
В	2' LOW PROFILE LED WRAPAROUND		STAIRWELL	120V	3300L, 3500K. 30W								
B1	4' LOW PROFILE LED WRAPAROUND		STORAGE ROOM	120V	3000L, 3500K, 25W								
С	EXTERIOR WALL PACK - LED		EXTERIOR	120V	3000L, 3000K, 70W								
D	LED EXIT LIGHT-RUNNING MAN		INTERIOR	120VAC	CONFIRM SELF POWERED AC ONLY OR UNIVERSAL DC								
E	EMERGENCY LIGHTING UNIT - LED 2 HEADS		INTERIOR	120VAC	STANDARD, 144W								
F	EMERGENCY LED 2 HEADS LIGHTS 300 DEG ROTATIONAL		INTERIOR	120VAC	STANDARD 6-12V, 6W								

Public Works and Travaux publics et
Government Services Services gouvernementaux
Canada Canada

REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS

Région de Pacifique





TRUE NORTH

PROJECT NORTH







4	RE-ISSUED FOR TENDER	2021.08.25
3	ISSUED FOR TENDER	2021.01.28
2	ISSUED FOR 100% CLIENT REVIEW	2021.01.18
1	ISSUED FOR 75% CLIENT REVIEW	2020.12.18
Revision	Description/Description	Date/Date
Number		
Client/c	lient	

FISHERIES AND OCEANS, **REAL PROPERTY,** SAFETY AND SECURITY

VANCOUVER, BC 200-401 BURRARD ST.

Project title/Titre du projet

KITSILANO CCG SAR -WORKSHOP RECONSTRUCTION

Consultant Signature Box Only

Designed by/Concept par	Approved by/Approuvée po	ar
SA/TD	TD	
Drawn by/Dessine par		
SA/HW		

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Regional Manager, Architectural and Engineering Service: Gestionnaire régionale, Services d'architectural et de génie, TPSG

Drawing title/Titre du dessin

ELECTRICAL DETAILS

Sheet/ Feuille Revision no./ du projet