GENERAL SYMBOLS (#) NOTE REFERENCE (##) (####) EQUIPMENT REFERENCE REVISION NUMBER WIRING HOME RUN E604/1 DETAIL REFERENCE (1 DENOTES DETAIL NUMBER, E604 DENOTES SHEET NUMBER)

_		
		SECURITY/ACCESS CONTROL SYMBOLS
	CR	CARD READER
	CK	CARD READER AND KEYPAD
	EDS	ELECTRONIC DOOR STRIKE
	ML	MAGNETIC LOCK
	DC	DOOR CONTACT
	DP	DOOR POSITION SWITCH
	RE	REQUEST TO EXIT WALL MOUNTED SENSOR
	0	WAVE TO OPEN PUSHBUTTON
	Τ	EMERGENCY PANIC PUSHBUTTON
	ADO	AUTOMATIC DOOR OPENER
	EL	ELECTRIFIED LOCK SET
		CEILING MOUNTED SECURITY CAMERA

	TELECOMMUNICATIONS SYMBOLS
#	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CAT 6A CABLES)
◀INTERCOM	WALL MOUNTED BI-DIRECTIONAL INTERCOM
#	CEILING MOUNTED DATA OUTLET (#DENOTES NUMBER OF DATA DROPS)
□ WAP	WIRELESS ACCESS POINT (PROCURED BY OTHERS, INSTALLED BY CONTRACTOR)
Ф	CLOCK RECEPTACLE

	ABBREVIATIONS
AV	AUDIO-VISUAL
ADO	AUTOMATIC DOOR OPENER
AFF	ABOVE FINISHED FLOOR
EX	EXISTING EQUIPMENT TO REMAIN
WAP	WIRELESS ACCESS POINT
BMS	BUILDING MANAGEMENT SYSTEM
FR	FRIDGE/FREEZER
RE	EXISTING EQUIPMENT TO BE REMOVED
RL	EXISTING EQUIPMENT IN A RELOCATED POSITION
HK	HOUSEKEEPING
JB	JUNCTION BOX
LC	LIGHTING CONTROL
MW	MICROWAVE
PC	PERSONAL COMPUTER
TYP	TYPICAL
UC	UNDERCOUNTER
WP	WEATHERPROOF
WRK	STAFF WORKSTATION
GF	GROUND FAULT CIRCUIT INTERRUPTER
ADO	AUTOMATIC DOOR OPENER

	FIRE ALARM SYMBOLS
F	MANUAL STATION
FO	BELL
□⊲HS	HORN SPEAKER
□⊲cs	CONE SPEAKER
0	SMOKE DETECTOR
⊘ DC	SMOKE DETECTOR, DC DENOTES DUAL CONTACT
⊘ DS	SMOKE DETECTOR, DUCT MOUNTED
⊘ SA	SMOKE ALARM
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
CACF	CENTRAL ALARM & CONTROL FACILITY
C	EMERGENCY TELEPHONE
	FA CONTROL TERMINAL
Н	FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE
RF	RELAY INDIVIDUALLY ADDRESSABLE MODULE FOR FIRE ALARM
EOL	OF LINE RESISTOR
ISO	FAULT ISOLATION MODULE
CM	CONTROL MODULE
MM	MONITOR MODULE
-	

	POWER PLAN SYMBOLS
₩	DUPLEX 5-15R RECEPTACLE
₩	DUPLEX 5-20R RECEPTACLE, T-SLOT
 	TWO DUPLEX 5-15R RECEPTACLES
<u> </u>	CEILING MOUNTED JUNCTION BOX AND EQUIPMENT CONNECTION
Ю	WALL MOUNTED JUNCTION BOX AND EQUIPMENT CONNECTION
J	FLOOR MOUNTED JUNCTION BOX AND EQUIPMENT CONNECTION
	PANEL (TYPE AS INDICATED - SECURITY, LIGHTING CONTROL, ETC.)
₩	WALL MOUNTED DIRECT EQUIPMENT CONNECTION
$\overline{\mathbf{x}}$	SPLITTER
	SURFACE RACEWAY (TYPE AS INDICATED)
•	WAVE TO OPEN PUSHBUTTON
9	MOTOR
ф	MOTOR c/w DISCONNECT SWITCH
⊠⁻	COMBINATION DISCONNECT AND MAGNETIC MOTOR STARTER
	DISCONNECT SWITCH
⊠r	FUSED DISCONNECT SWITCH
\boxtimes	MAGNETIC MOTOR STARTER
T	THERMOSTAT
₩ MP	MANUAL MOTOR STARTER c/w PILOT LIGHT
E	CONDUIT STUB
o—	CONDUIT UP
с—	CONDUIT DOWN
∢ ₩	DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP
₫	DEVICE MOUNTED WITHIN MILLWORK COUNTERTOP

	LIGHTING PLAN SYMBOLS
	RECESSED LUMINAIRE, 1'x4'
	RECESSED LUMINAIRE, 2'x4'
	RECESSED LUMINAIRE, 2'x2'
<u> </u>	RECESSED LUMINAIRE / POT LIGHT, 6" DIAMETER OR LARGER
Ø	RECESSED LUMINAIRE / POT LIGHT, LESS THAN 6" DIAMETER
Ю	WALL MOUNTED LUMINAIRE
	LUMINAIRE ON EMERGENCY CIRCUIT (INDICATED BY HALF SHADING)
\$€\$	CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
⊢⊗ ↑	WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
₩-	LINE VOLTAGE SWITCH (120V TO 347V), D- DIMMER SWITCH (0-10V)
Θ	LOW VOLTAGE SWITCH, D- DIMMER SWITCH (0-10V)
6 8	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/LOW VOLTAGE SWITCH, D - DIMMER SWITCH (0 TO 10V)
(OS)	CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
⊢ ©S)	WALL MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
PC HPC	PHOTOCELL (EXTERIOR, TYPE AS INDICATED)
© Her	DAYLIGHT SENSOR (INTERIOR PHOTOCELL, TYPE AS INDICATED)
60 0	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/LINE VOLTAGE SWITCH
DAC	DALI DAC MODULE (0 - 10V) DALI DIGITAL TO ANALOG CONVERTER (DAC) (0-10v)
OS _{PIR}	PASSIVE INFRARED OCCUPANCY SENSOR (DALI)
OS _{DT}	DUAL TECHNOLOGY OCCUPANCY SENSORS (LOW VOLTAGE)
MS PIR PC	MULTI-SENSOR-PIR OCCUPANCY SENSOR AND DAYLIGHT SENSOR
0	MOMENTARY PUSH BUTTON
OPP	OCCUPANCY SENSOR POWER PACK
4	EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)
	EMERG. LTG. BATTERY PACK
№ ∞	CEILING MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
<u>4</u> 2 <u>4</u> 2	WALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
, () ,	COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK

	ER, LIGHTING, OTHER EQUIPMENT ESIGN (ENERGY)
BC BUILDING CODE: ELECTRICAL DESIGN:	2018
ENERGY STANDARD / CODE:	ASHRAE 90.1-2016
POWER COMPLIANCE PATH:	PRESCRIPTIVE
IN ACCORDANCE WITH:	SECTION 8.1.4 (ALTERATIONS TO EXISTING BUILDINGS)
LIGHTING COMPLIANCE PATH: LIGHTING DESIGN METHOD:	PRESCRIPTIVE SPACE BY SPACE
LIGHTING DESIGN METHOD.	SPACE DI SPACE

IN ACCORDANCE WITH: SECTION 9 (ALTERNATIONS TO EXISTING BUILDINGS)

OTHER EQUIPMENT PATH:

LIGHTING ANNOTATION LEGEND

SWITCH LEG/ CONTROL ID

SECTION 10 (ALTERNATIONS TO EXISTING BUILDINGS)

——— CIRCUIT

— LUMINAIRE TYPE (SCHEDULE REFERENCE)

	DRAWING INDEX								
NO. DRAWING NAME									
ELECTRICAL									
E001	COVER PAGE								
E010	SYSTEM OVERVIEW								
E100	POWER AND SYSTEMS FLOOR PLAN - PHARMACY								
E101	POWER & SYSTEMS FLOOR PLAN - ROOF PLANS								
E200	LIGHTING PLAN - PHARMACY								
E300	PANEL SCHEDULES								
E301	LUMINAIRE AND MECHANICAL SCHEDULES								
E400	ELECTRICAL DETAILS								

GENERAL NOTES

- DO NOT SCALE THE DRAWINGS. OBTAIN ACCURATE DIMENSIONS FROM THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 2. CONTRACTOR SHALL COMPLETE A DETAILED REVIEW OF THE ARCHITECTURAL DRAWINGS TO COORDINATE INSTALLATION OF FEEDERS AND DEVICE FEEDS INTO THE BUILDING STRUCTURE.
- 3. CONTRACTOR SHALL FIRESTOP ALL NEW CABLE/CONDUIT PENETRATIONS THROUGH WALLS AND FLOORS.
- 4. WORK SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND THEIR INTENT. WORK SHALL INCLUDE THE PROVISION FOR BUT NOT LIMITED TO ALL MATERIALS, LABOUR, TOOLS, EQUIPMENT AND SERVICES REQUIRED FOR CONSTRUCTING, INSTALLING AND PUTTING INTO REGULAR OPERATION THE COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THIS DOCUMENT.
- 5. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL EXPOSED TO VIEW DEVICES, LIGHTING AND EQUIPMENT. EXAMINE AND BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT BY WRITTEN NOTICE FOR CLARIFICATION.
- 6. NOT ALL SYMBOLS INDICATED IN THE SYMBOL SCHEDULES ARE USED IN THE

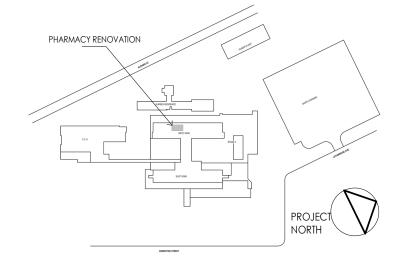


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 2023.09.08

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Client/Project Northern Health Authority

UHNBC (University Hospital of Northern BC)-NAPRA Pharmacy Renovation

Scale

N.T.S

Drawing No.

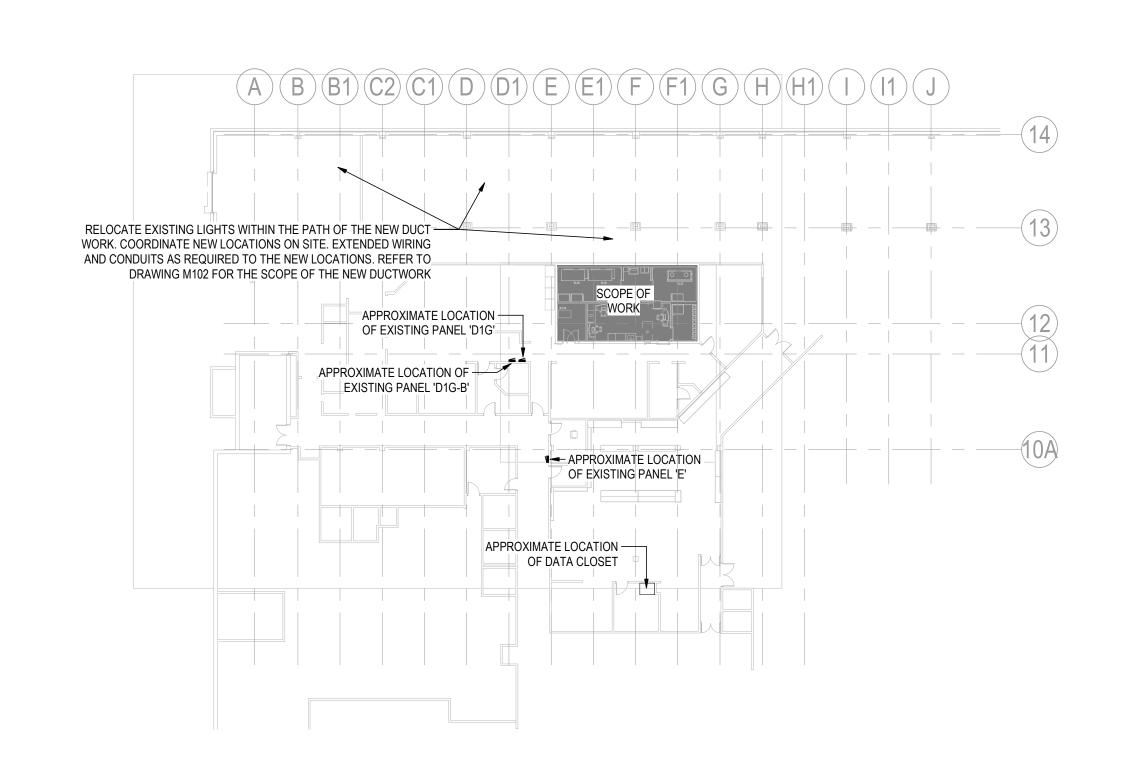
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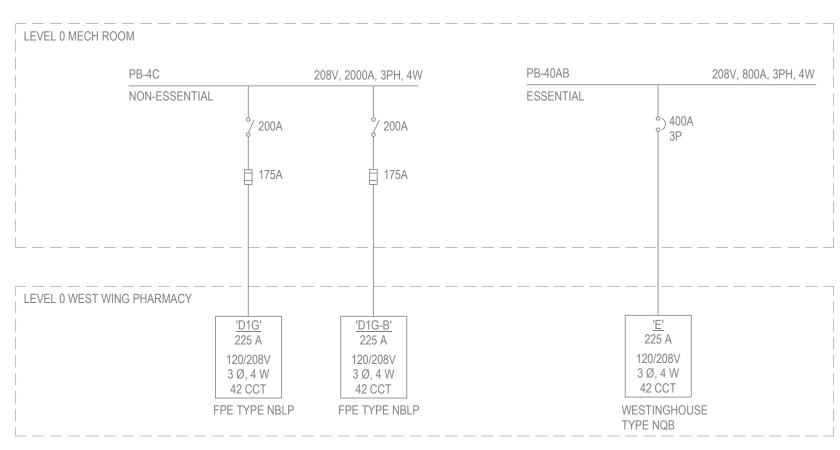
COVER PAGE

Project No. 144320228

Revision

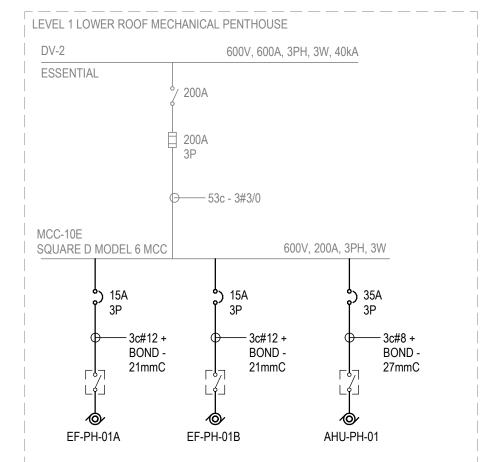
ORIGINAL SHEET - ARCH D

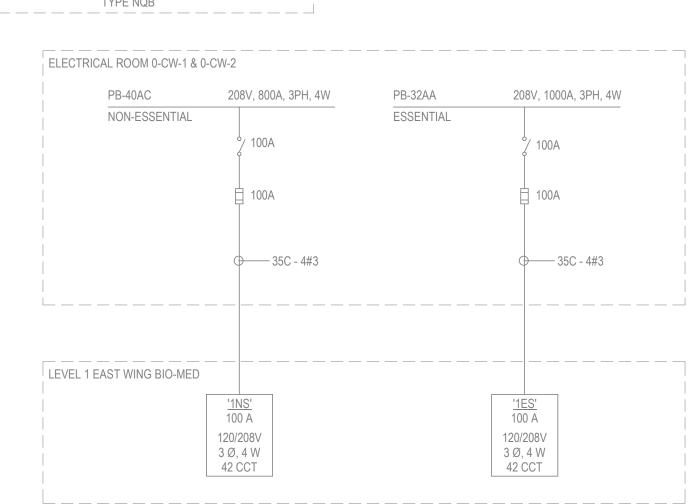


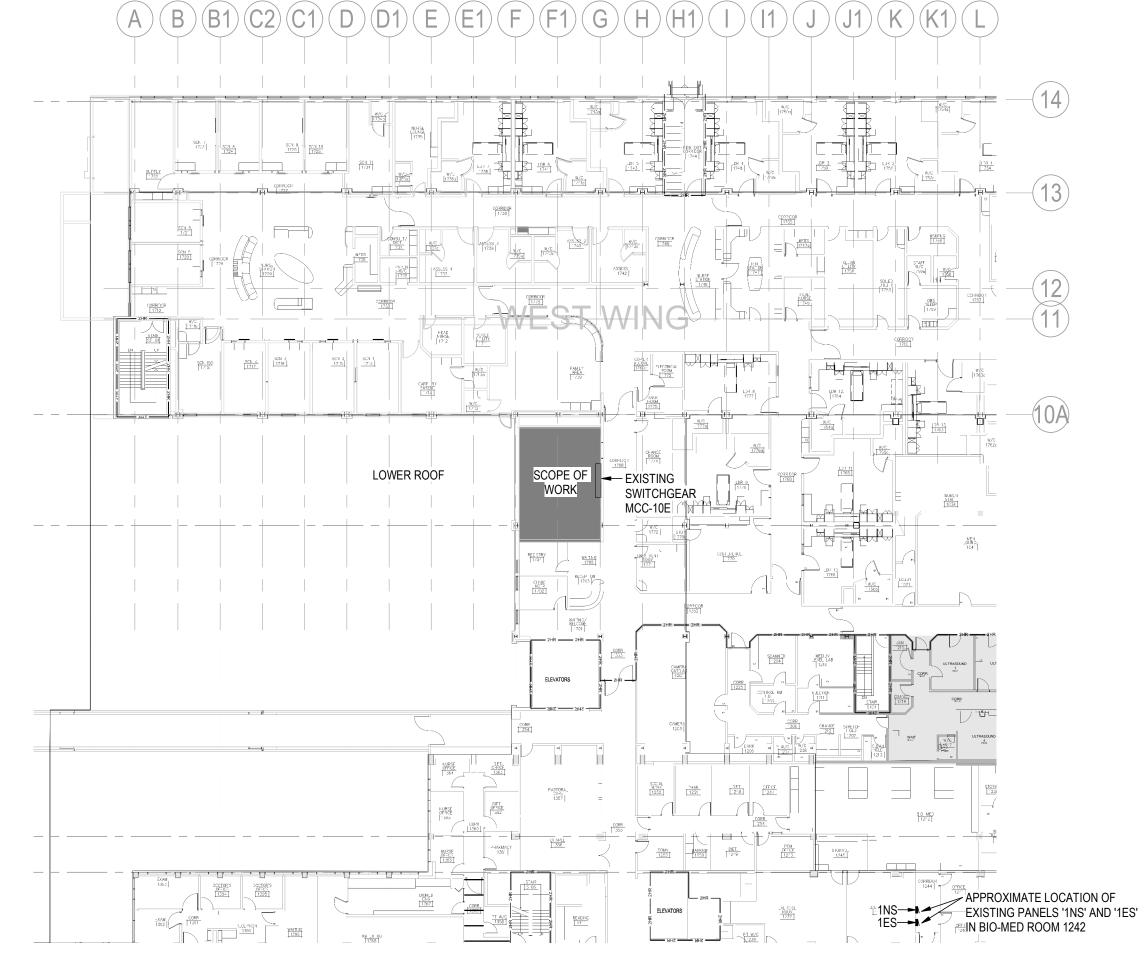


LEVEL 0 KEY PLAN

1 E010





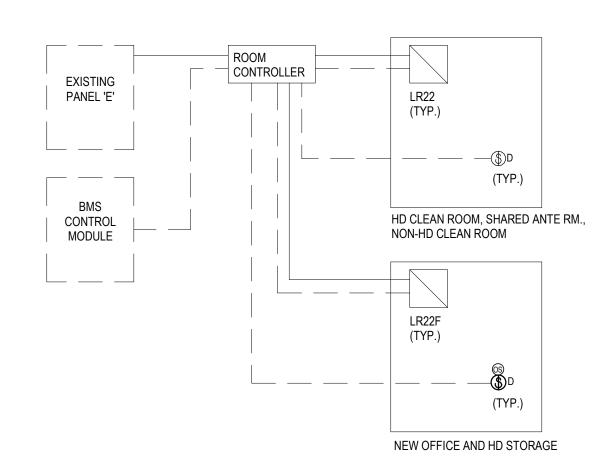


LEVEL 1 KEY PLAN E010 1:300



- PROPOSED BREAKER SPACE FOR NEW AHU. ELECTRICAL CONTRACTOR TO PROVIDE CLAMP ON METERS TO MONITOR ELECTRICAL LOAD OF MCC-10E FOR DURATION OF AT LEAST TWO WEEKS. ENGINEER TO VERIFY THE METERING RESULT PRIOR TO INSTALLATION.

EXISTING SWITCHGEAR MCC-10E E010 N.T.S



LINE VOLTAGE WIRING --- LOW VOLTAGE WIRING

- 1. PROVIDE ROOM CONTROLLER AND LIGHTING CONTROL DEVICES TO MATCH EXISTING
- LIGHTING CONTROL SYSTEM (RELIABLE CONTROLS). 2. LIGHTING CONTROL BEHAVIOUR:
- a. NEW OFFICE AND HD STORAGE: ALL LIGHTING FIXTURES TO BE MANUAL ON, DIMMABLE AND AUTO OFF UPON 15 MINS OF INACTIVITY.
- b. HD CLEAN ROOM, SHARED ANTE RM AND NON-HD CLEAN ROOM: ALL LIGHTING FIXTURES TO BE MANUAL ON AND OFF AND DIMMABLE.
- 3. CONTRACTOR TO SETUP INTEGRATION TO EXISTING BMS (RC WEBVIEW)

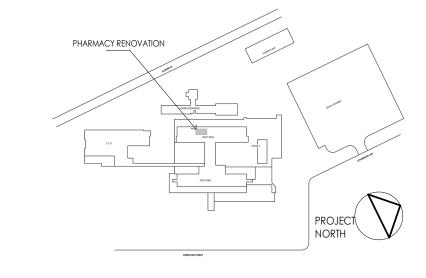
LIGHTING CONTROL WIRING DIAGRAM



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SYSTEM OVERVIEW

Project No. 144320228

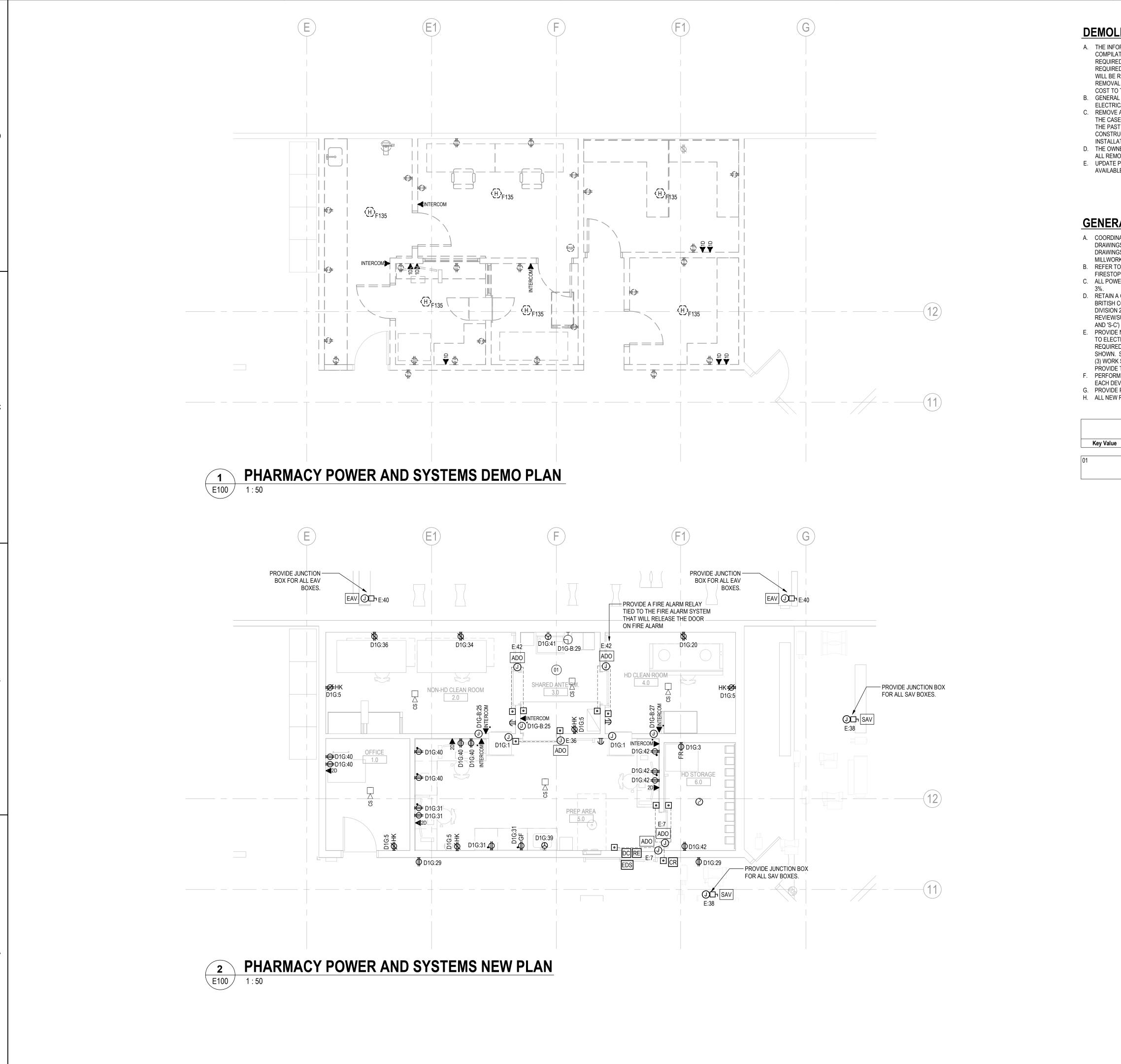
Revision

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Drawing No. **E010**

PARTIAL EXISTING SINGLE LINE DIAGRAM E010 N.T.S

ORIGINAL SHEET - ARCH D



ORIGINAL SHEET - ARCH D

DEMOLITION NOTES

- A. THE INFORMATION ON EXISTING DEVICES AND EQUIPMENT PROVIDED ON THIS DRAWING IS A COMPILATION OF DATA FROM EXISTING DRAWINGS AND SITE INVESTIGATIONS. THE CONTRACTOR IS REQUIRED TO REVIEW THE EXISTING SITE CONDITIONS AND DETERMINE THE EXTENT OF DEMOLITION REQUIRED PRIOR TO SUBMITTING A PRICE. EXISTING DEVICES NOT SHOWN BUT REQUIRING REMOVAL WILL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER. DEVICES NOT NOTED THAT REQUIRE REMOVAL OR RELOCATION WILL BE ASSESSED ON SITE DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
 - B. GENERAL ELECTRICAL: UNLESS OTHERWISE NOTED AS 'EX' OR 'RL' ON THE PLANS, ALL EXISTING ELECTRICAL EQUIPMENT ON WALLS/CEILINGS TO BE DEMOLISHED.
- C. REMOVE ANY REDUNDANT RACEWAY/WIRING AND CORRECT ANY NON-COMPLIANT INSTALLATIONS. IN THE CASE OF UNSEEN SITE CONDITIONS REGARDING HIDDEN NON-COMPLIANT INSTALLATIONS FROM THE PAST, CONTRACTOR TO IMMEDIATELY BRING THE EXTENT OF WORK TO THE ATTENTION OF THE CONSTRUCTION MANAGER FOR REVIEW AND TO DETERMINE THE PROCEDURE FOR CORRECTING THE INSTALLATIONS.
- D. THE OWNER HAS THE RIGHT TO FIRST REFUSAL FOR ALL REMOVED EQUIPMENT (LIGHTS, PLUGS, ETC...). ALL REMOVED EQUIPMENT NOT CLAIMED BY THE OWNER IS TO BE DISPOSED OF BY THE CONTRACTOR.
- E. UPDATE PANEL SCHEDULE TO REFLECT ADDITIONAL CIRCUIT REQUIREMENTS. FIELD CHECK & CONFIRM AVAILABLE SPACE & SPARE CIRCUITS.

GENERAL NOTES

- A. COORDINATE ALL WORK WITH ARCHITECTURAL, INTERIOR DESIGN AND MECHANICAL DISCIPLINE DRAWINGS AND COORDINATE ALL WORK WITH ASSOCIATED TRADES. REFER TO INTERIOR DESIGN DRAWINGS FOR MOUNTING HEIGHTS OF ALL DEVICES, AND INSTALLATION REQUIREMENTS IN OR NEAR MILLWORK.
- B. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE-RATED WALL/FLOOR PENETRATIONS DETAILS. FIRESTOP ALL WALL AND FLOOR PENETRATIONS AS REQUIRED.
- C. ALL POWER CONDUCTORS SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF
- D. RETAIN A QUALIFIED PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO DESIGN AND REVIEW SEISMIC RESTRAINTS FOR ALL WORK ASSOCIATED WITH DIVISION 26 (LUMINAIRES, CONDUIT SUPPORTS, ETC.). THE STRUCTURAL ENGINEER SHALL DESIGN, REVIEW/SUPERVISE THE INSTALLATIONS AND SUBMIT THE LETTERS OF ASSURANCE (SCHEDULES 'S-B' AND 'S-C') TO THE ELECTRICAL ENGINEER.
- E. PROVIDE NEW BREAKERS IN EXISTING PANELS AS REQUIRED TO ACCOMMODATE NEW LOADS. REFER TO ELECTRICAL PANEL SCHEDULES AND SINGLE LINE DIAGRAM. CIRCUITS SHOWN INDICATE THE REQUIRED CIRCUITING ARRANGEMENT. DO NOT DEVIATE FROM THE CIRCUITING GROUPING AS SHOWN. SHOW ALL CIRCUIT NUMBERS USED ON RECORD DRAWINGS. CONNECT A MAXIMUM OF THREE (3) WORK STATION OUTLETS PER 15A CIRCUIT AND SIX (6) CONVENIENCE OUTLETS PER 15A CIRCUIT. PROVIDE TYPE-WRITTEN PANEL SCHEDULES UPON PROJECT COMPLETION.
- F. PERFORM FIRE ALARM RE-VERIFICATION AT END OF PROJECT COMPLETE WITH AUDIBILITY LEVELS OF EACH DEVICE AND AMBIENT AUDIBILITY IN CORRESPONDENCE WITH THE ULC \$537 STANDARD.
- G. PROVIDE PROPER SEALING INSTALLATION ON ELECTRICAL WIRING DEVICES IN HAZARDOUS AREA.
 H. ALL NEW RECEPTACLES TO BE HUBBELL HOSPITAL GRADE SNAP TYPE RECEPTACLES (ILLUMINATED).

KEYNOTE LEGEND

PROVIDE ADO CAM MOUNTED UNIT SWITCH (BY ADO VENDOR) AT EACH DOOR IN SHARED ANTEROOM TO BE USED AS INTERLOCK SIGNAL TO RESTRICT OTHER DOORS TO OPEN UNLESS DOOR IS FULLY CLOSED.

Keynote Text



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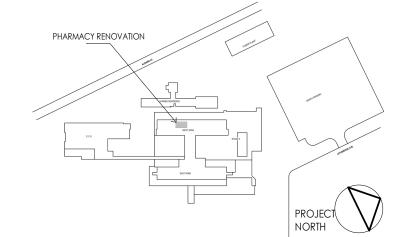
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Notes



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Title

POWER AND SYSTEMS FLOOR PLAN - PHARMACY

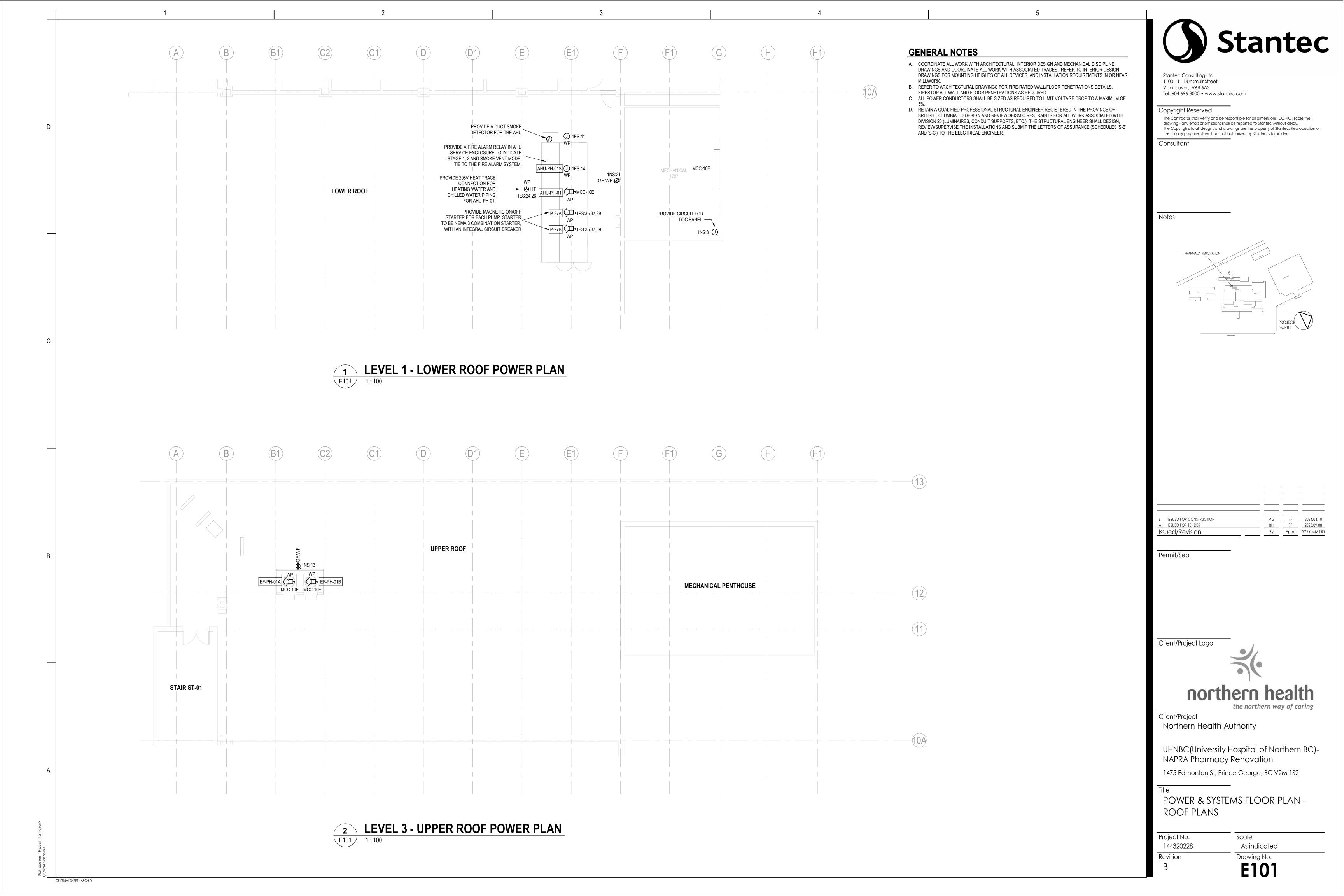
Scale

Project No. 144320228

Revision

Drawing No. **E100**

As indicated



T-----+<u>----</u> †----<u>-</u> r______ <u>_____</u> !-----PHARMACY LIGHTING DEMO PLAN PHARMACY LIGHTING NEW PLAN E200

DEMOLITION NOTES

- A. THE INFORMATION ON EXISTING DEVICES AND EQUIPMENT PROVIDED ON THIS DRAWING IS A COMPILATION OF DATA FROM EXISTING DRAWINGS AND SITE INVESTIGATIONS. THE CONTRACTOR IS REQUIRED TO REVIEW THE EXISTING SITE CONDITIONS AND DETERMINE THE EXTENT OF DEMOLITION REQUIRED PRIOR TO SUBMITTING A PRICE. EXISTING DEVICES NOT SHOWN BUT REQUIRING REMOVAL WILL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER. DEVICES NOT NOTED THAT REQUIRE REMOVAL OR RELOCATION WILL BE ASSESSED ON SITE DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- B. GENERAL ELECTRICAL: UNLESS OTHERWISE NOTED AS 'EX' OR 'RL' ON THE PLANS, ALL EXISTING ELECTRICAL EQUIPMENT ON WALLS/CEILINGS TO BE DEMOLISHED.
- C. REMOVE ANY REDUNDANT RACEWAY/WIRING AND CORRECT ANY NON-COMPLIANT INSTALLATIONS. IN THE CASE OF UNSEEN SITE CONDITIONS REGARDING HIDDEN NON-COMPLIANT INSTALLATIONS FROM THE PAST, CONTRACTOR TO IMMEDIATELY BRING THE EXTENT OF WORK TO THE ATTENTION OF THE CONSTRUCTION MANAGER FOR REVIEW AND TO DETERMINE THE PROCEDURE FOR CORRECTING THE
- D. THE OWNER HAS THE RIGHT TO FIRST REFUSAL FOR ALL REMOVED EQUIPMENT (LIGHTS, PLUGS, ETC...). ALL REMOVED EQUIPMENT NOT CLAIMED BY THE OWNER IS TO BE DISPOSED OF BY THE CONTRACTOR.
- E. UPDATE PANEL SCHEDULE TO REFLECT ADDITIONAL CIRCUIT REQUIREMENTS. FIELD CHECK & CONFIRM AVAILABLE SPACE & SPARE CIRCUITS.
- F. LIGHTING DEMO PHASING PLAN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PHASING PLAN FOR WALLS AND CEILINGS. COORDINATE WITH CONTRACTORS FROM OTHER DISCIPLINE TO MAKE A COMPLETE AND OPERABLE SYSTEM DURING TEMP. PHASES:
- a. PHASE I: REMOVE ALL EXISTING LIGHTING FIXTURES, EXIT SIGNS AND LIGHTING SWITCHES AS INDICATED IN THE DRAWINGS.
- b. PHASE II: PROVIDE LIGHTING FIXTURES AND SWITCHES AS INDICATED IN THE DRAWINGS. c. Phase III: REMOVE THE GASKET FIXTURES 'F1' IN TEMP MIXING ROOM AND ANTE ROOM CAREFULLY AND REUSE THEM IN THE NEW PHARMACY. PROVIDE FIXTURE TYPE 'F2' IN THE OFFICE AFTER THE TEMP. WALLS ARE REMOVED.

GENERAL NOTES

- 1. COORDINATE ALL WORK WITH THE TRADES (MECHANICAL, FIRE PROTECTION, ARCHITECTURAL,
- INTERIOR DESIGN, ETC.) ON SITE. 2. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE-RATED WALL/FLOOR PENETRATIONS DETAILS.
- FIRESTOP ANY PENETRATIONS MADE THROUGH FIRE SEPARATIONS.
- 3. ALL LIGHTING CONDUCTORS SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 4. RETAIN A QUALIFIED PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO DESIGN AND REVIEW SEISMIC RESTRAINTS FOR ALL WORK
- (SCHEDULES 'S-B' AND 'S-C') TO THE ELECTRICAL ENGINEER. 5. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM ABOVE FINISHED FLOOR TO THE BOTTOM OF THE

ASSOCIATED WITH DIVISION 26 (LUMINAIRES, CONDUIT SUPPORTS, ETC.). THE STRUCTURAL ENGINEER SHALL DESIGN, REVIEW/SUPERVISE THE INSTALLATIONS AND SUBMIT THE LETTERS OF ASSURANCE

- 6. ALL EXISTING DEVICES ARE SHOWN IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AS REQUIRED. WHERE FIRE ALARM SPEAKERS OR EXIT SIGNS WILL BE OBSCURED BY THE NEW CIRCULAR CEILING PANELS, OR NEW WALLS, DOORS, PARTITIONS, OR ANY OTHER NEW STRUCTURES, THESE FIRE ALARM SPEAKERS AND EXIT SIGNS SHALL BE RELOCATED TO A LOCATION AS NEAR TO THE ORIGINAL LOCATION AS POSSIBLE BUT WITHOUT BEING OBSCURED BY THE NEW
- 7. LIGHTING CONTROL DEVICES ARE SHOWN DIAGRAMMATICALLY TO SHOW DESIGN INTENT. ZONES DENOTING NUMBER OF RELAYS REQUIRED ON LIGHTING CONTROL DEVICES ARE SHOWN VIA LETTERS ADJACENT TO DEVICE ON PLAN. LETTERS NEXT TO LUMINAIRES DENOTE THEY ARE CONTROLLED BY THE DEVICE. WHERE DIMMERS ARE SHOWN TO PROVIDE CONTROL TO MORE THAN ONE ZONE, EACH ZONE SHALL HAVE ITS OWN DIMMER. WHEN OCCUPANCY/DAYLIGHT SENSOR IS SHOWN CONTRACTOR SHALL COORDINATE ON SITE AND WITH MANUFACTURERS RECOMMENDATIONS FOR PLACEMENT OF THE SENSOR TO ACHIEVE DESIGN INTENT. IF REQUIRED, LARGE ROOM OR ROOMS WITH ABNORMAL LAYOUTS SHALL HAVE MORE THAN ONE OCCUPANCY SENSOR.

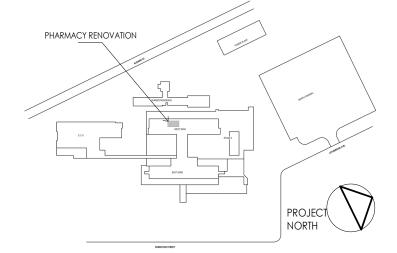


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LIGHTING PLAN - PHARMACY

Project No.

Scale As indicated

Drawing No. **E200**

144320228

Revision

Name: E Volts: 208Y/120V Mains Type: MLO Type: Location: Phases: 3 Mains... 225 A AIC Rating: Supply... Wires: 4 Max Rating: 200 A Mounting: Surface Enclosure: Type 1 Lugs: Single Lugs Serves: Trip s CB A
15 A 1 -- 0 0 Circuit Description Circuit Description 1 LIGHTS CORRIDOR -- 1 15 A ESSENTIAL LIGHTS 3 LIGHTS CORRIDOR 15 A HEAT TAPE GRBG RM. DOCK LGT 1 15 A UPRIGHT FRIDGE PLUG IN CORR 5 ESSENTIAL LIGHTS ADO HD STORAGE/PREP AREA 15 A WASHROOM LIGHTS SANIPAR MEAT TAPE 15 A SPD CHANGE ROOM 1 15 A LIGHT LOADING DOOR 1 15 A CORRIDOR LIGHTS 3 70 A PANEL EE LIGHTING PHARMACY 15 A LTG STORAGE ROOM & PHARM FRIDGE PLUG PHARMACY FRIDGE PLUG PHARMACY 1 15 A SOILED LAUNDRY LIGHTS FRIDGE PLUG PHARMACY 15 A SOILED LAUNDRY LIGHTS 15 A PIXIS & PREPACK PLUG 15 A FASTPAK EQUIP 15 A FAX MACHINE WORK STATION 1 15 A ADO PREP SPACE/ANTE RM 37 DISPENSARY PLUGS 1 15 A SAV BOXES 39 PRE-PACK NARCOTICS PLUGS 1 15 A EAV BOXES 41 DOE PRINTERS X3 1 15 A ADO CLEAN ROOMS Total Load: 0.24 kVA 0.87 kVA 0.00 kVA Total Amps: 2 A 8 A 0 A Load Classification Connected Load **Demand Factor** Estimated Demand Panel Totals 125.00% 784 VA 480 VA 100.00% 480 VA Total Conn. Load: 1107 VA Total Est. Demand: 1264 VA Total Conn.: 3 A Total Est. Demand: 4 A CB Legend (blank = circuit breaker): G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

	•	tec													Panel		
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СКТ	Circuit Description	Trip	Pole s	СВ						c	СВ	Pole s		cuit Description	CH		
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	RECEPTS - NURSE STATION CAST	15 A					0	0		_	-	1	15 A EF-415		2		
	RECEPTS - NURSE STATION CAST	15 A							0	0		2	15 A HEAT TRAC	E AHU-PH-01	2		
	RECEPTACLES - CAST AREA	15 A			0	0								150 4044	2		
	NURSE CALL PANELS	15 A					0	0				1	15 A RECEPTAC		2		
	NURSE CALL PANELS	15 A							0	0		1	15 A RECEPTAC	LES - 1240	3		
	LIGHTING - NORTH STAIRWELL	15 A			0	0						3	15 A EF-416		3		
	LIGHTING - NORTH STAIRWELL P-27A & P-27B	15 A 20 A					0	0	0	0					3		
37	F-21A & F-21D				0	0			U	U		1	15 A EF-415		3		
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Notes	::					<u> </u>		<u> </u>									



Stantec Consulting Ltd.
1100-111 Dunsmuir Street
Vancouver, V6B 6A3
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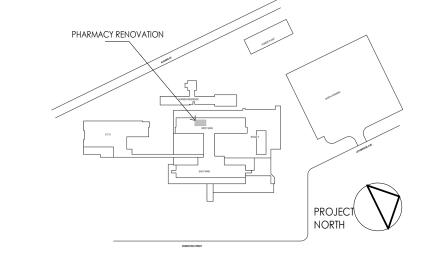
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Notos



B ISSUED FOR CONSTRUCTION MG TF 2024.04.10
A ISSUED FOR TENDER BH TF 2023.09.08

ISSUED/Revision By Appd YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project

Northern Health Authority

UHNBC (University Hospital of Northern BC)-NAPRA Pharmacy Renovation

Scale

1475 Edmonton St, Prince George, BC V2M 1S2

Title

PANEL SCHEDULES

Project No. 144320228 Revision

Drawing No. **E300**

Pick location in Project Information> /8/2024 5:08:52 PM

ORIGINAL SHEET - ARCH D

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LUMINAIRE SCHEDULE Wattage Lumen Output Efficacy CRI Temperature Voltage Manufacturer Remarks 2'X4' EXISTING LIGHTING FIXTURE RECESSED 120 V 2'X4' EXISTING LIGHTING FIXTURE RECESSED 120 V 2'X2' | 2'X2' LED RECESSED LIGHT | RECESSED - T-BAR | 31 W | 4100 | 116 | 90 | 3500 | 120 V | DAY-BRITE 2SBP2440L8CSP-2-UN3-DIM SEALED LR22 2'X2' 2'X2' LED RECESSED LIGHT -2SBP2440L8CSP-2-UN3-DIM-FMA22 RECESSED -31 W 4100 116 90 3500 120 V DAY-BRITE **CLEAN ROOM RATED** DRYWALL LR22F

	MECHANICAL EQUIPMENT SCHEDULE																														
											5	TARTE	R		С	ONTROL	S	DISCON	NEC	Т											
EQUIPMENT ID	UNIT DESCRIPTION	LOCATION	VOLTAGE (V)	ФН	Z H	IP FLA	LOAD	MCA	МОР	GROUPING	TYPE	SUPPLIED	INSTALLED	WIRED	TYPE(S)	SUPPLIED INSTALLED	WIRED	SUPPLIED	WIRED	Z	TERFACE REQ'D	AUTC ON	AUT(OFF	-		PWR SOURCE TYPE	PANEL	BREAKER	CONDUCTOR SIZE	CONDUIT SIZE	NOTES
AHU-PH-01	PHARMACY AIR HANDLING UNIT	LEVEL 1 LOWER ROOF	600 V	3 60 1	Hz 0	0.0 A	11200 W	21 A	25 A		VFD	M	M E	:	BAS	M M	M	E E	E	No		No	No	No	Yes	VITAL	MCC-10E	25A/3P	3c#10 + BOND	21mm	
AHU-PH-01S	AHU-PH-01 LIGHT PLUGS CIRCUIT	LEVEL 1 LOWER ROOF	120 V	1 60 1	Hz 0	0.0 A	1400 W	0 A	0 A						BAS	M M	M	E	E	No		No	No	No	No	VITAL	1ES	15A/1P	2c#12 + BOND	21mm	
EAV BOX	EXHAUST AIR VALVE BOX CONNECTION	LEVEL 0 PHARMACY	120 V	1 60 1	Hz 0	1.0 A	120 W	0 A	0 A						BAS	M M	M	E	E	No		No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	
EAV BOX	EXHAUST AIR VALVE BOX CONNECTION	LEVEL 0 PHARMACY	120 V	1 60 1	Hz 0	1.0 A	120 W	0 A	0 A						BAS	M M	M	E	E	No		No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	
EF-PH-01A	HIGH PLUME EXHAUST FAN	LEVEL 3 UPPER ROOF	600 V	3 60 1	Hz 5	6.1 A	4052 W	15 A	15 A	PCS1	VSD	M I	M E		BAS	м м	M E	E	E	No		No	No	No	No	VITAL	MCC-10E	15A/3P	3c#12+ BOND	21mm	
EF-PH-01B	HIGH PLUME EXHAUST FAN	LEVEL 3 UPPER ROOF	600 V	3 60 I	Hz 5	6.1 A	4052 W	15 A	15 A	PCS1	VSD	M I	M E		BAS	м м	M E	E	Е	No		No	No	No	No	VITAL	MCC-10E	15A/3P	3c#12 + BOND	21mm	
P-27A	AIR HANDLING UNIT PUMPS	LEVEL 1 LOWER ROOF	208 V	3 60 1	Hz 0	0.0 A	800 W	6 A	20 A		MAG	E I	M E		BAS	м м	M	E	Е	No		No	No	No	No	VITAL	1ES	20A/3P	3c#10 + BOND	21mm	
P-27B	AIR HANDLING UNIT PUMPS	LEVEL 1 LOWER ROOF	208 V	3 60 I	Hz 0	0.0 A	8000 W	6 A	20 A		MAG	E	М Е		BAS	м м	M	E	E	No		No	No	No	No	VITAL	1ES	20A/3P	3c#10 + BOND	21mm	
SAV BOX	SUPPLY AIR VALVE BOX CONNECTIONS	LEVEL 0 PHARMACY	120 V	1 60 1	Hz 0	1.0 A	120 W	0 A	15 A						BAS	M M	M	E	E	No		No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	
SAV BOX	SUPPLY AIR VALVE BOX CONNECTIONS	LEVEL 0 PHARMACY	120 V	1 60 1	Hz 0	1.0 A	120 W	0 A	15 A						BAS	M M	M	E	E	No		No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	

ABBREVIATIONS:

M MECHANICAL (DIVISIONS 21/22/23/25

ELECTRICAL (DIVISION 26)

FLA FULL LOAD AMPACITY MCA MINIMUM CIRCUIT AMPACITY

MOP MAXIMUM OVERCURRENT PROTECTION DEVICE

BAS BUILDING AUTOMATION SYSTEM CACF CENTRAL ALARM & CONTROL FACILITY (FIRE ALARM)

CDP CENTRAL DISTRIBUTION PANEL

FVNR FULL VOLTAGE, NON REVERSING O/C OVERCURRENT O/L OVERLOAD

CONTROLS:

BAS BUILDING AUTOMATION SYSTEM (DDC)

CP SYSTEM CONTROL PANEL (EG IRRIGATION CONTROLLER)

ES END SWITCH FA FIRE ALARM (CONTROL MODULE) FAFS FIRE ALARM (WET SPRINKLER) FLOW SWITCH

FALS FIRE ALARM (SPRINKLER RESERVOIR) LEVEL SWITCH

FAPS FIRE ALARM (DRY SPRINKLER) PRESSURE SYSTEM FATS FIRE ALARM (SPRINKLER VALVE) TAMPER SWITCH

GS GAS SENSOR HUMIDISTAT

INTERLOCK LEVEL SWITCH

TIME CLOCK THERMOSTAT

VARIABLE SPEED SWITCH WS WALL SWITCH

STARTER TYPE:

MAN MANUAL (c/w O/L) MRR MOTOR RATED RELAY (NC/NO)

MAG MAGNETIC (FVNR) MAG2 MAGNETIC (TWO SPEED)

VFD VARIABLE FREQUENCY DRIVE

FVR MAGNETIC, FULL VOLTAGE REVERSING RVYD REDUCED VOLTAGE (WYE-DELTA) RVAT REDUCED VOLTAGE (AUTOTRANSFORMER)

RVPW REDUCED VOLTAGE (PART WINDING) RVSS REDUCED VOLTAGE (SOFT STARTER) VSD VARIABLE SPEED DRIVE

STARTER GROUPING:

PCS1 PACKAGED CONTROL SYSTEM (INTEGRAL TO LOAD[S]) PCS2 PACKAGED CONTROL SYSTEM (SEPARATE FROM LOADS) MCC MOTOR CONTROL CENTRE

MDC MOTOR DISTRIBUTION CENTRE

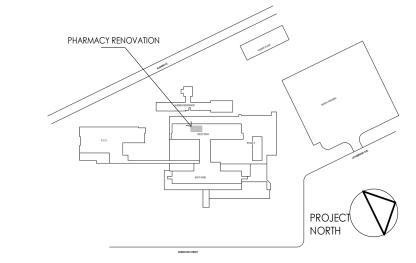
('FOUR-PLEX' OR SIMILAR SMALL GROUPED MOTOR CONTROL) LOOSE INDIVIDUALLY-MOUNTED MOTOR STARTER/RELAY/VSD

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 MG
 TF
 2024.04.10

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 TF
 2023.09.08

 By
 Appd
 YYYY.MM.DD
 B ISSUED FOR CONSTRUCTION A ISSUED FOR TENDER Issued/Revision

Permit/Seal

Client/Project Logo



Client/Project Northern Health Authority

UHNBC (University Hospital of Northern BC)-NAPRA Pharmacy Renovation

1475 Edmonton St, Prince George, BC V2M 1S2

LUMINAIRE AND MECHANICAL **SCHEDULES**

Project No. 144320228

Drawing No.

Scale

N.T.S

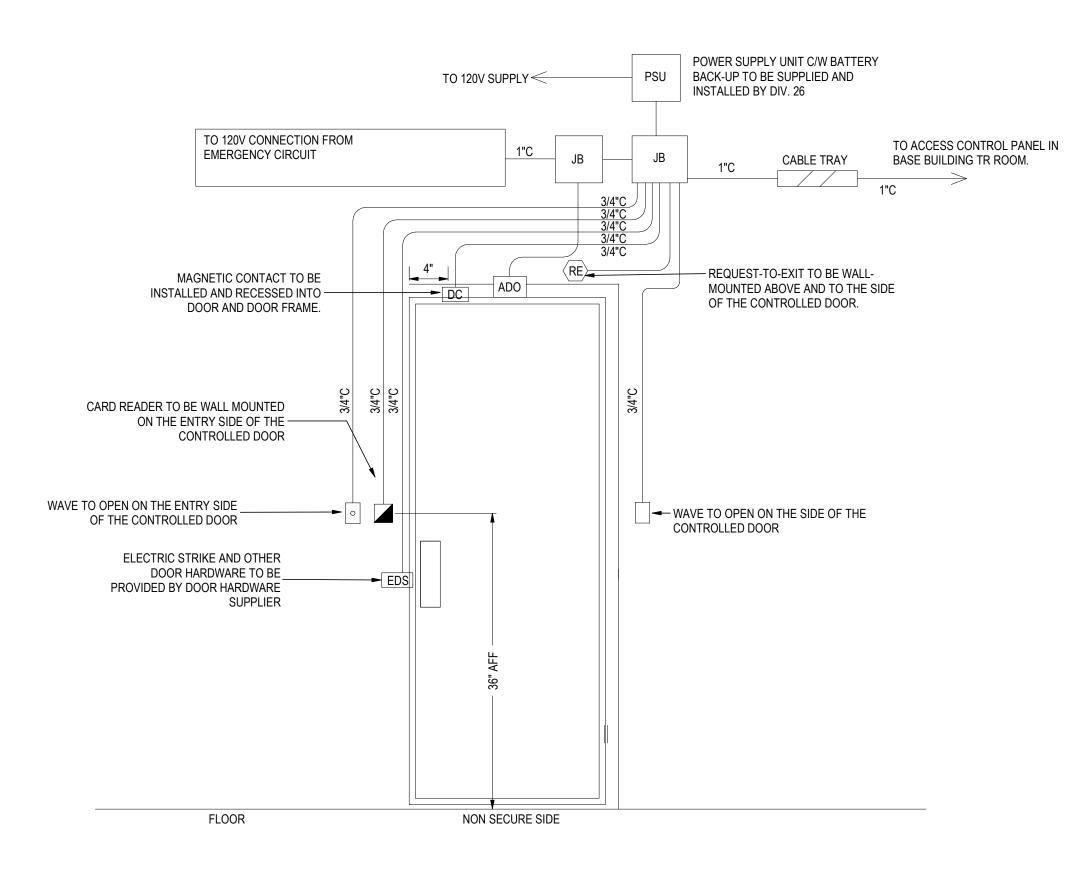
ORIGINAL SHEET - ARCH D

Revision

EMERGENCY BATTERY LIGHTING MOUNTED HORN/ STROBE UNIT RECEPTACLE IN -DISCONNECT PROCESS AREA DOOR ENTRY **PUSH BUTTON** ELECTRICAL PANELBOARD, ELECTRICAL CABINET, FIRE ALARM PANEL STATION COMPUTER RECEPTACLE FINISHED FLOOR

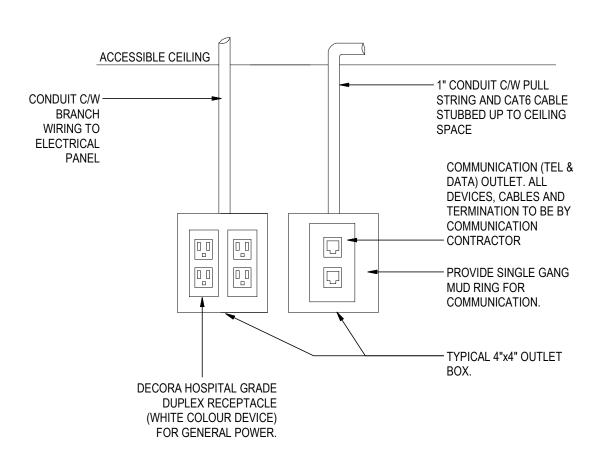
1. ALIGN ALL EQUIPMENT VERTICALLY AND HORIZONTALLY. 2. REFER TO ARCHITECTURAL DETAILS FOR USE OF NON-STANDARD MOUNTING HEIGHTS FOR DEVICES IN SPECIFIC CASES.





NOTES:
1. PROVIDE CONDUITS, BOXES, AND WIRING AS INDICATED.

TYPICAL CONDUIT LAYOUT FOR A CARD READER ACCESS CONTROL SINGLE DOOR (FULL MONITORING) E400 N.T.S

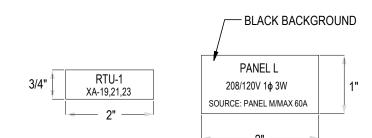


1. DOUBLE DUPLEX RECEPTACLE IS SHOWN, HOWEVER, PROVIDE SINGLE DUPLEX RECEPTACLE WHERE INDICATED ON THE PLANS. PROVIDE WHITE DEVICE WITH WHITE COVER PLATE. CONTRACTOR SHALL CONFIRM DEVICE COLOUR WITH INTERIOR

DESIGNER PRIOR TO PROCUREMENT. 2. PROVIDE MINIMUM OF FOUR (4) PLATES WITH FILLER PLATES FOR EACH UNUSED PORT.

TYPICAL COMMUNICATIONS & POWER WALL OUTLET DETAILS

E400 N.T.S





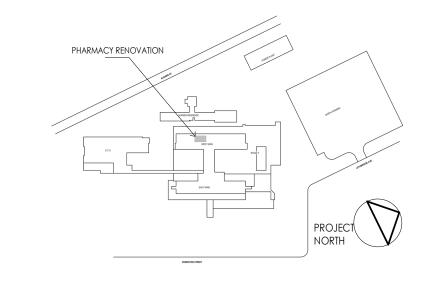


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Consultant



В	ISSUED FOR CONSTRUCTION	MG	TF	2024.04.10
Α	ISSUED FOR TENDER	ВН	TF	2023.09.08
Iss	ued/Revision	Ву	Appd	YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project

Northern Health Authority

UHNBC (University Hospital of Northern BC)-NAPRA Pharmacy Renovation

1475 Edmonton St, Prince George, BC V2M 1S2

ELECTRICAL DETAILS

Scale Project No. 144320228

N.T.S Drawing No. **E400**

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