LIGHTING	
	1' X 4' CEILING MOUNTED LUMINAIRE CONNECTED TO NORMAL POWER, TYPE AS NOTED
	2' X 2' CEILING MOUNTED LUMINAIRE, TYPE AS NOTED
-	WALL MOUNTED FLUORESCENT LUMINAIRE, TYPE AS NOTED
77772	LUMINAIRE CONNECTED TO EMERGENCY POWER, TYPE AS NOTED
CEILING AND WALL MOUNTED LUMINAIRE, TYPE AS NOTED	
100 100 H	AS ABOVE EXCEPT LUMINAIRE CONNECTED TO EMERGENCY POWER, TYPE AS NOTED
het het	CEILING/WALL MOUNTED EXIT LIGHT COMPLETE WITH DIRECTIONAL ARROW AS SHOWN/REQUIRED.
3 \$	120V THREE WAY SWITCH
LV \$	LOW VOLTAGE SWITCH
3,LV \$	LOW VOLTAGE SWITCH THREE WAY SWITCH
69 69H	CEILING/WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
os \$	WALL MOUNTED OCCUPANCY SENSOR COMPLETE WITH INTEGRAL OVERRIDE SWITCH

\Leftrightarrow	WALL MOUNTED 15A, 12OV, 10, 3W GROUNDED DUPLEX NORMAL POWER RECEPTACLE		
u C	WALL MOUNTED 15A, 12OV, 10, 3W GROUNDED DUPLEX EMERGENCY POWER RECEPTACLE ('U' DENOTES CONNECTION TO UPS POWER SYSTEM)		
\$	WALL MOUNTED 15A, 12OV, 19, 3W GROUNDED DUPLEX NORMAL POWER RECEPTACLE MOUNTED 150mm ABOVE COUNTER OR 1100mm A.F.F.		
+	AS ABOVE EXCEPT CONNECTED TO EMERGENCY POWER.		
нк∰	15/20A, 10, 120V 'T'-SLOT GROUNDED DUPLEX NORMAL POWER RECEPTACLE ('HK' DENOTES HOUSEKEEPING)		
TV ⊜	15A, 12DV, GROUNDED DUPLEX NORMAL POWER RECEPTACLE FOR TV, MOUNTED 1600mm ABOVE FINISHED FLOOR (AFF)		
2 ①:	15A, 12DV, 10, SINGLE GROUNDED RECEPTACLE FOR EQUIPMENT AS NOTED ('2' DENOTES 20A, '3' DENOTES 30A, ETC.)		
3 (2):	15A, 208V, 10, SINGLE GROUNDED RECEPTACLE FOR EQUIPMENT AS NOTED ('2' DENOTES 20A, '3' DENOTES 30A, ETC.)		
5 ③:	15A, 208V, 3Ø, SINGLE GROUNDED RECEPTACLE FOR EQUIPMENT AS NOTED ('3' DENOTES 30A, '5' DENOTES 50A, ETC.)		
Ø	CEILING MOUNTED 15A, 12OV, 1ø, 3W GROUNDED DUPLEX NORMAL POWER RECEPTACLE		
Ø	CEILING MOUNTED 15A, 12OV, 1ø, 3W GROUNDED DUPLEX EMERGENCY POWER RECEPTACLE		
۵	120V, 1¢ DIRECT CONNECTION FOR EQUIPMENT AS NOTED		
(a)	208V, 1¢ DIRECT CONNECTION FOR EQUIPMENT AS NOTED		
(a)	208V, 30 DIRECT CONNECTION FOR EQUIPMENT AS NOTED		
٥	480V, 30 DIRECT CONNECTION FOR EQUIPMENT AS NOTED		
(a)	600V, 30 DIRECT CONNECTION FOR EQUIPMENT AS NOTED		
F 🔛	DISCONNECT SWITCH BY DIVISION 26, SIZE AS NOTED. ('F' DENOTES FUSED DISCONNECT SWITCH)		
s 🔛	STARTER SWITCH BY DIVISION 26, SIZE AS NOTED. ('S' DENOTES STARTER)		
WED	DISCONNECT SWITCH STARTER OR VFD BY DIV. 20, REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION. ("F" DENOTES FUSED DISCONNECT SWITCH, "S" DENOTES STARTER, "VFD" DENOTES VFD)		
0	POWER PANEL		
_	FLUSH MOUNTED LIGHTING OR RECEPTACLE PANEL		
_	SURFACE MOUNTED LIGHTING OR RECEPTACLE PANEL		
JB	204mm x 204mm x 102mm LABELLED JUNCTION BOX MOUNTED, C/W BLANK COVER PLATE FOR CONNECTION AS NOTE.		
J	SINGLE GANG OUTLET BOX C/W BLANK COVER PLATE FOR CONNECTION AS NOTED		
B	CIRCUIT BREAKER IN SEPARATE, LOCKABLE ENCLOSURE		

COMMUNICATIONS			
ANALOG VOICE OUTLET, EACH SYMBOL DENOTES TWO (2) ANALOG VOICE DROPS PER LOCATION.			
\triangleright	DATA OUTLET, EACH SYMBOL DENOTES 2 DATA DROPS PER OUTLET.		
x/Y ▷	DATA OUTLET, "X" DENOTES THE QUANTITY OF VOIP DROPS, AND "Y" DENOTES THE QUANTITY OF NETWORK DATA DROPS AT THE OUTLET.		
x/Y >	COMBINATION ANALOG VOICE/DATA OUTLET. "X" DENOTES THE QUANTITY OF VOICE DROPS, AND "Y" DENOTES THE QUANTITY OF DATA DROPS AT THE OUTLET (IF NO X/Y DESIGNATION THEN PROVIDE 1 VOICE DROP AND 1 DATA DROP).		
#	WALL MOUNTED ENTERTAINMENT TV OUTLET (TO BE MOUNTED ADJACENT TO TV POWER RECEPTACLE).		
	COMMUNICATIONS CABLE TRAY		

NURSE CALL	
-	WASHROOM EMERGENCY NURSE CALL STATION ('PB' DENOTES PUSH BUTTON, 'WR' DENOTES WATER RESISTANT, 'SP' DENOTES STAFF PRESENCE)
•	CEILING MOUNTED MULTI-COMPARTMENT DOME LIGHT FOR NURSE CALL, EMERGENCY CALL, CARDIAC ARREST AND SMOKE DETECTON (Z-DENOTES ZONE LIGHT, FA-DENOTES FIRE ALARM INTERCONNECTION TO LOCAL SMOKE DETECTOR)
CAH	CARDIAC ARREST STATION
S →	AUDIOVISUAL NURSE CALL STAFF ASSIST STATION
NC NC	CEILING/WALL MOUNTED NURSE CALL DISPLAY (SINGLE OR DOUBLE FACE AS INDICATED)

FIRE ALARM	
•	CEILING MOUNTED SMOKE DETECTOR
EPB ③ H	EMERGENCY PUSH BUTTON "RED"
§ §4	CEILING (OR WALL) MOUNTED FIRE ALARM SOUNDING EVAC SPEAKER
©s	CEILING MOUNTED FIRE ALARM SOUNDING EVAC SPEAKER C/W BUILT-IN STROBE LIGHT

MISCELLANEO	MISCELLANEOUS SYMBOLS	
Ю	GPS SYSTEM CLOCK ('TP' DENOTES CLOCK PROVIDED WITH TAMPERPROOF POLYCARBONATE COVER)	
	PATIENT MONITORING CAMERA	
*WAP	WIRELESS RECEIVER FOR: PATIENT WANDERING, PANIC/STAFF DURESS, AND PATIENT TRACKING ('WAP' DENOTES WIRELESS ACCESS POINT)	
@ H	PANIC DURESS BUTTON / STATION ('WP' DENOTES WEATHERPROOF, 'SA' DENOTES C/W STROBE LIGHT & ALARM SOUNDER)	

ſ	SINGLE LINE & RISERS		
ſ	· ·	MOLDED CASE CIRCUIT BREAKER	
	00	LOAD BREAK INTERRUPTER SWITCH	
	DMU	DIGITAL METERING UNIT	
	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR	
		FUSE, TYPE AND SIZE AS INDICATED AND SPECIFIED	
	38	POWER OR DISTRIBUTION TRANSFORMER, TYPE AND SIZE AS INDICATED AND SPECIFIED	
	Ŧ	GROUND CONNECTION	
	ST	SHUNT TRIP OPERATION OF BREAKER AS INDICATED	
Γ			

ABBREVIATIONS	
DENOTES ABOVE FINISHED FLOOR	
DENOTES BELOW FINISHED CEILING	
DENOTES SURFACE CEILING MOUNTED	
ENOTES MOUNTED IN CEILING SPACE	
DENOTES CONNECTED TO GROUND FAULT INTERRUPTING TYPE BREAKER	
ENOTES MOISTURE PROOF	
DENOTES MOUNTED 150mm OVER COUNTER, 75mm OVER BACKSPLASH OR 1100mm AFF	
DENOTES TWIST-LOCK DEVICE	
DENOTES TAMPERPROOF	
DENOTES TYPICAL	
DENOTES WEATHERPROOF	
DENOTES MEDICAL GAS ALARM PANEL ELECTRICAL POWER CONNECTION	
DENOTES ELECTRONIC SINK ELECTRICAL POWER CONNECTION	

DRAWING LIST	Г
E-1	ELECTRICAL DRAWING LIST AND LEGEND
E-2	ELECTRICAL SINGLE LINE DIAGRAM AND DETAILS
E-3	LEVEL 1 PART PLANS - POWER AND SYSTEMS - DEMOLITION AND NEW WORK
E-4	LEVEL 1 PART PLANS - LIGHTING AND FIRE ALARM - DEMOLITION AND NEW WORK
E-5	ELECTRICAL SUPPLEMENTAL FLOOR PLANS AND DETAILS

DRAWING STY	DRAWING STYLES	
	NEW	
	EXISTING TO REMAIN UNLESS NOTED OTHERWISE	

GENERAL NOTES

- 1. THESE NOTES ARE APPLICABLE TO ALL ELECTRICAL DRAWINGS

- 4. THE EXACT MOUNTING LOCATION AND MOUNTING HEIGHT OF ALL BACK BOXES, PULL BOXES, CONDUITS AND ELECTRICAL DEVICES ARE TO BE COORDINATED BY THE DIVISION 25 CONTRACTOR, PRIOR TO ROUGH-IN AND/OR INSTALLATION, ON SITE WITH ARCHITECTURAL PLANS, DETAILS AND EQUIPMENT SUPPLIER'S FINAL INSTALLATION DRAWNGS.
- 5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES, TO ENSURE THAT LLAMMARES ARE PLACED IN A LOCATION THAT DOES NOT INTERERE IN ANY MANNER WITH EQUIPMENT MOVEMENT.
- ENSURE THAT ALL MEDICAL EQUIPMENT BOLTING DOES NOT COME IN CONTACT WITH BUILDING STEEL STRUCTURE OR RENERGEMENT, IN ORDER TO MEET GROUND ISOLATION REQUIREMENTS OF THE VENDORS EQUIPMENT.

- CONTRACTOR TO ENSURE THAT ALL CONDUIT RUNS ARE INSTALLED COMPLETE WITH NYLON PULL STRINGS, AS REQUIRED.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AT OWN WORK.

- DRAWING ARE TO BE READ IN CONJUNCTION WITH THE EQUIPMENT MANUFACTURER'S (GE) INSTALLATION DRAWINGS.
- 3. THESE ECERTICAL LAVOITS ARE DIAGRAMMATIC. THE DIWISION 26 CONTRACTOR SHALL PROVIDE ALL NECESSARY PULL BOXES. CONTRIGER, RECEIVER, TRUINGS, BUSHNISS, MOUNTING HARDWARE, CABLING AND ALL OTHER TIENS AS REQUIRED TO PROVIDE A COMPILETE ELECTRICAL INSTALLATION PER THE REQUIREMENTS OF THIS LAYOUT AND THE DETAILED QUIPMENT SUPPLIER'S INSTALLATION PRAWNS. CONTRACTOR TO PROVIDE ALL DEVICE AND EQUIPMENT BACK BOXES TO SUIT THE REQUIREMENTS OF SPECIALIC DEVICES AND EQUIPMENT, AND CO-ORDINATE BOX SIZE AND DEPITH TO SUIT.

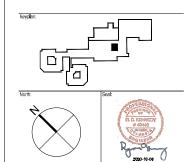
- DMSION 26 TO ENSURE THAT ALL SEISMIC ANCHORACE REQUIREMENTS ARE MET. REFER TO ELECTRICAL SPECIFICATION SECTION # 26 05 48 FOR DETAILED INFORMATION AND REFER TO EQUIPMENT VENDOR SPECIFIC REQUIREMENTS.
- 8. CONTRACTOR TO ENSURE THAT ALL INSTALLED CONDUIT RUNS ARE RUN IN A DIRECT MANNER AS POSSIBLE, TO MEET DISTANCE REQUIREMENTS OF EQUIPMENT ASSOCIATED CABLING. ALL CONDUITS THAT ARE INSTALLED BELOW GRADE MUST BE WATER TIGHT. ALL CONDUIT OR RACEWAY IN CELLING SPACE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO FINISHED CELLING TO ENSURE THAT A MINIMAL CABLE LENGTH IS USED.
- CONTRACTOR TO ENSURE THAT ALL WIREWAYS TO BE GROUNDED WITH AN INDEPENDENT #6 AWG WIRE ATTACHED USING SOLDERIESS LUGS. ALL CEJIUMS MOUNTED STRUCTURAL SUPPORT MEMBERS AND CEILING PLATES SHALL ALSO BE GROUNDED. ALL GROUNDING CONNECTIONS POINTS SHALL BE INSTALLED IN A MANNER TO ALL ACCESS FOR INSPECTION.
- ALL EQUIPMENT INTERCONNECTING CONDUITS AND WIRING IS AS PER GE HEALTHCARE DRAWINGS UNLESS NOTED OTHERWISE.



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Date	Description
2020/02/13	ISSUED FOR 50% CD REVIEW
2020/02/26	ISSUED FOR 100% CD SIGNOFF
2020/04/30	ISSUED FOR TENDER
2020/10/05	ISSUED FOR CONSTRUCTION
	2020/02/13 2020/02/26 2020/04/30



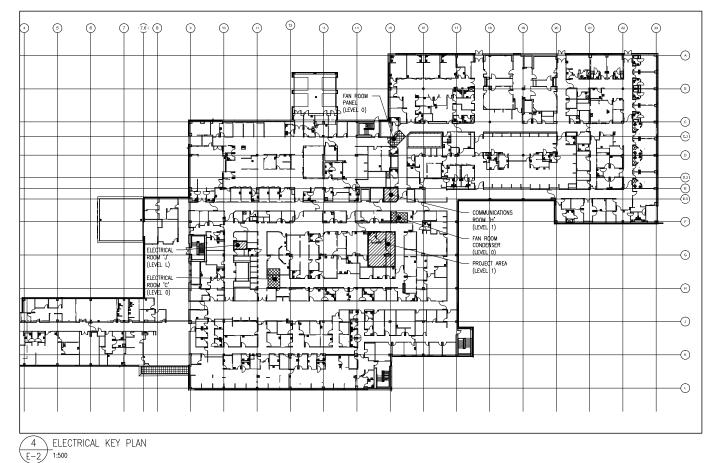
FORT ST. JOHN HOSPITAL CT SCANNER REPLACEMENT

HHA Project Number: 219-1374

Drawing Title: ELECTRICAL DRAWING LIST AND LEGEND

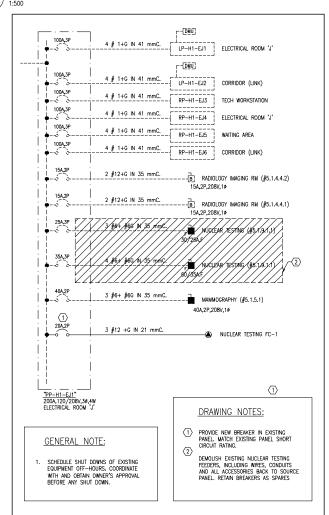
Designed by: Drawing Number: E-1

N.T.S.

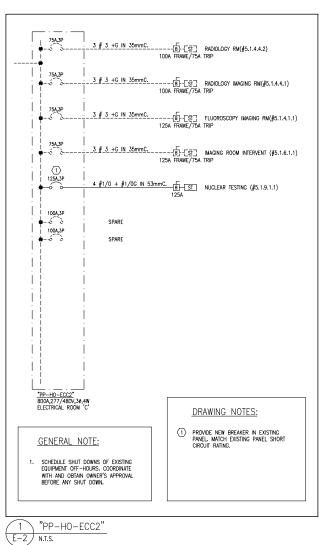


3 # 10+G IN 16 mmC. T-ME-44B 14 KVA 460/600V 15A,3P 3 # 10+G IN 16 mmC. ⊇ € 20A3P 3 # 12+G IN 16 mmC. --[] F-114B VFD 15A,3P 3 # 12+G IN 16 mmC. PUMP #P-52A.B 30A,3P ♦--5 3-----**▲** PUMP #P-54A,B 30A,3P 3 # 10+G IN 16 mmC. SERVICE ELEVATOR S3 3 # 10+G IN 16 mmC. SERVICE ELEVATOR S4 3 # 10+G IN 16 mmC. SERVICE ELEVATOR S5 15A,3P 3 # 12 − 16mmC. —
 MUCLEAR TESTING CU−1 "PP-HO-EAA2" 400A, 600V 3# 3W (INTERRUPTING CAPACITY 50kA) MECHANICAL FAN ROOM **DRAWING NOTES:** PROVIDE NEW BREAKER IN EXISTING PANEL. MATCH EXISTING PANEL SHORT CIRCUIT RATING. GENERAL NOTE:

3 "PP-H0-EAA2" E-2 N.T.S.



 $\underbrace{ \begin{array}{c} 2 \\ E-2 \end{array} }_{\text{N.T.S.}} \text{"PP-H1-EJ1"}$





HHAngus & Associates Limited Consulting Engine 1127 Leslie Street, Toronto, ON, M3C 236 Can

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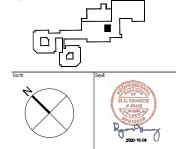
KUMLIN SULLIVAN 310, 5819 2 STRIPT SW. CALGARY, ABERTIA, 1721, 0113

Sub-Consultan



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Client:



FORT ST. JOHN HOSPITAL CT SCANNER REPLACEMENT

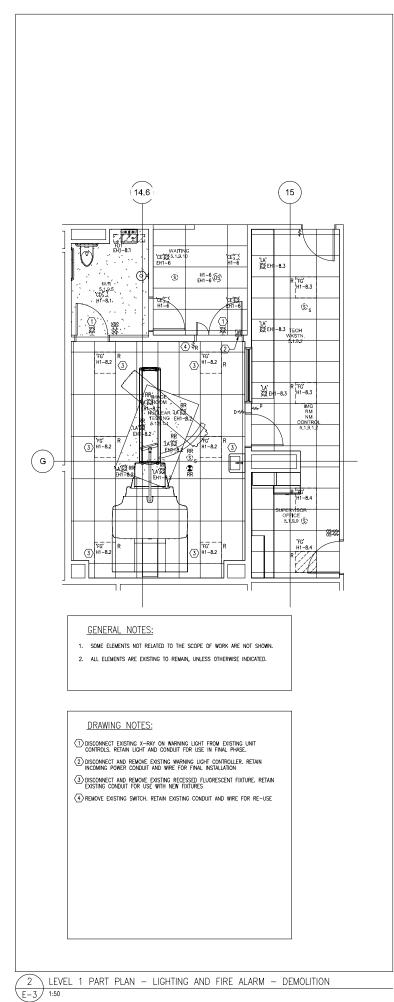
HHA Project Number: 219-1374

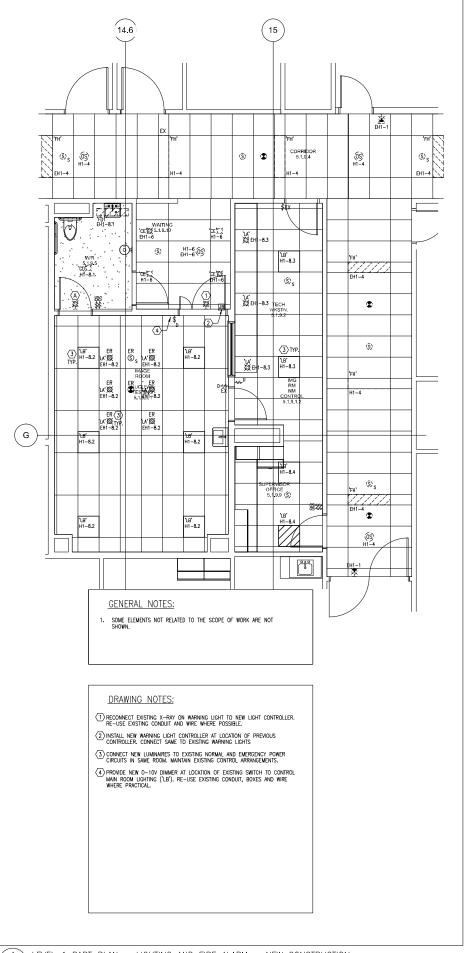
Drawing Title:

ELECTRICAL KEY PLAN, SINGLE LINES AND DETAILS

Scale: N.T.S.

N.T.S.





1 LEVEL 1 PART PLAN - LIGHTING AND FIRE ALARM - NEW CONSTRUCTION E-3 1:50

HHAngus

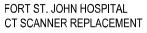
KUMLIN SULLIVAN 310, 5819 2 Street S.W. CALGALY ABRITA, 12H DH3 PUNEY. (101) 328-33561 Fax: (403) 252-7877



2020/02/13 ISSUED FOR 50% CD REVIEW 2020/02/26 ISSUED FOR 100% CD SIGNOFF 2020/04/30 ISSUED FOR TENDER 2020/10/05 ISSUED FOR CONSTRUCTION







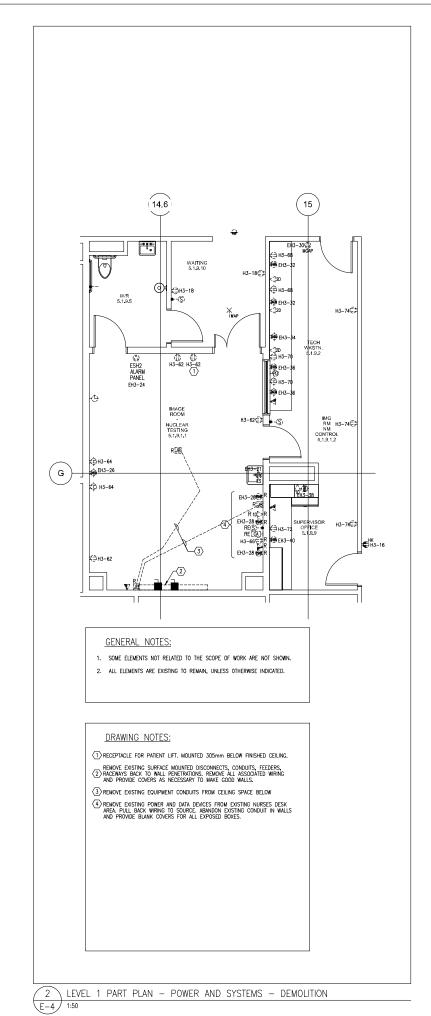
HHA Project Number: 219-1374

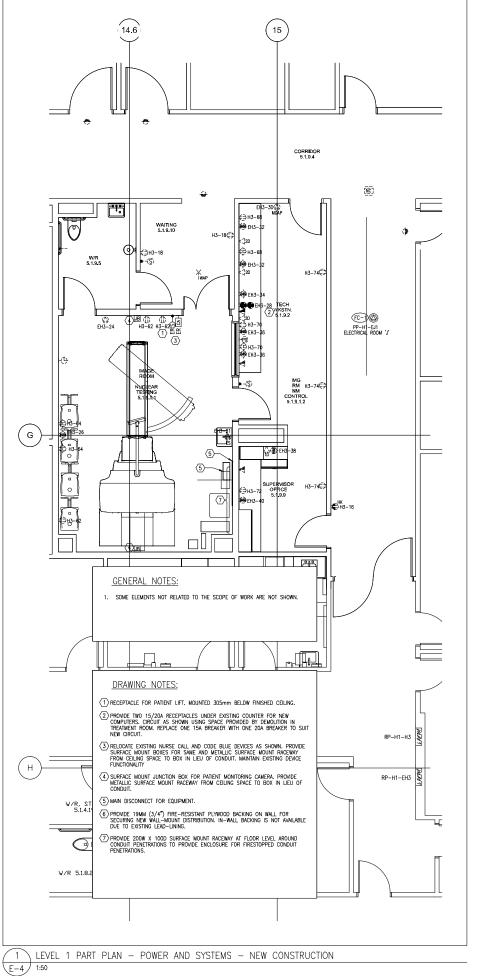
LEVEL 1 PART PLANS LIGHTING AND FIRE ALARM **DEMOLITION & NEW WORK**

Designed by: Drawing Number: E-3

Scale:

1:50





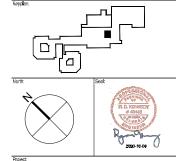


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Sub-Consultant:

Date Description 0 2020/02/13 ISSUED FOR 50% CD REVIEW 2020/02/26 ISSUED FOR 100% CD SIGNOFF 2020/04/30 ISSUED FOR TENDER 2020/10/05 ISSUED FOR CONSTRUCTION



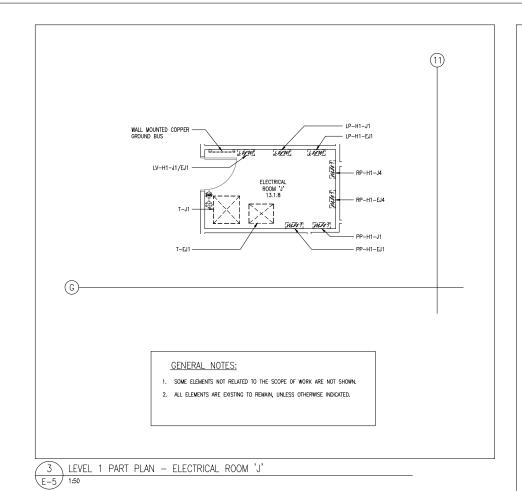
FORT ST. JOHN HOSPITAL CT SCANNER REPLACEMENT

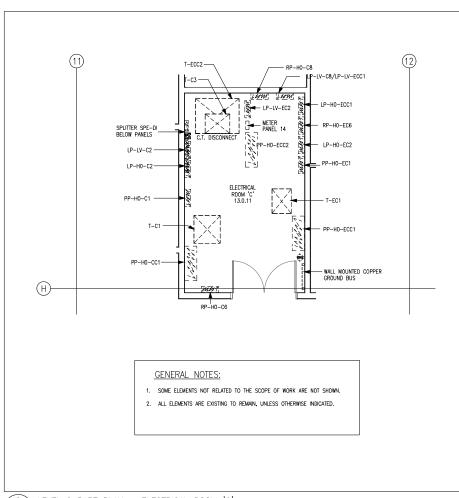
HHA Project Number: 219-1374

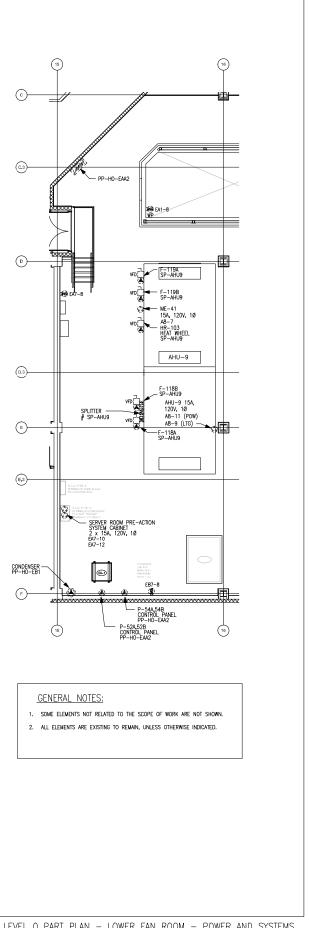
LEVEL 1 PART PLANS POWER AND SYSTEMS **DEMOLITION & NEW WORK**

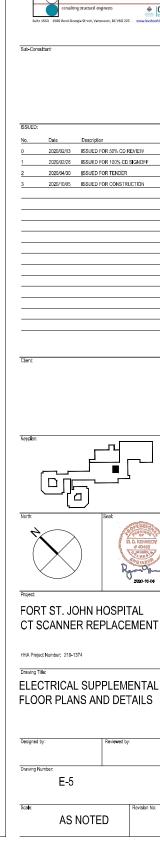
Designed by: Drawing Numbe E-4

Scale: 1:50





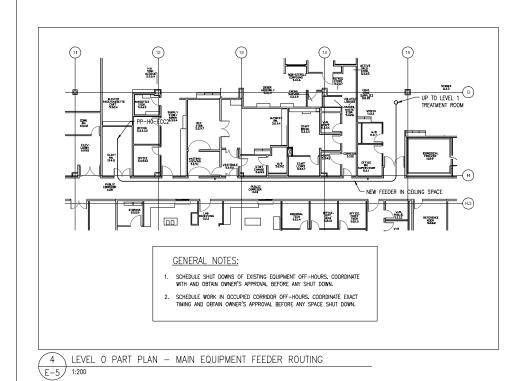




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2 LEVEL 0 PART PLAN - ELECTRICAL ROOM 'C' E-5 1:50

1 LEVEL 0 PART PLAN - LOWER FAN ROOM - POWER AND SYSTEMS
E-5 1:100