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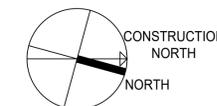
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**Consultants**



**North Arrow**



Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27
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File Name:	VW/MC	IB	VW/MC 24.09.11
	Dwn.	Chkd.	Dsgn. YY.MM.DD

**Permit-Seal**



**Client/Project**

**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

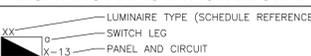
**Title**  
**ELECTRICAL LEGEND AND  
DRAWING LIST**

Project No.	Scale	
140023034	N.T.S.	
Drawing No.	Sheet	Revision

**E001** 1 of 13

LIGHTING PLAN SYMBOLS	
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 1'x4'
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x4'
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x2'
	RECESSED FLUORESCENT LUMINAIRE, 1'x4'
	RECESSED FLUORESCENT LUMINAIRE, 2'x4'
	RECESSED FLUORESCENT LUMINAIRE, 2'x2'
	FLUORESCENT STRIP LUMINAIRE, 4'
	FLUORESCENT STRIP LUMINAIRE, 3'
	FLUORESCENT STRIP LUMINAIRE, 2'
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 4'
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 3'
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 2'
	RECESSED LUMINAIRE / POT LIGHT, 6" DIAMETER OR LARGER
	RECESSED LUMINAIRE / POT LIGHT, LESS THAN 6" DIAMETER
	SURFACE MOUNTED OR SUSPENDED LUMINAIRE
	STEP OR WALL MOUNTED LUMINAIRE
	BOLLARD OR IN-GROUND LUMINAIRE
	RECESSED ADJUSTABLE LUMINAIRE ARRAY (# OF HEADS AS SHOWN)
	POLE MOUNTED LUMINAIRE (SINGLE HEAD)
	POLE MOUNTED LUMINAIRE (DOUBLE HEAD)
	LUMINAIRE ON EMERGENCY CIRCUIT (INDICATED BY HALF SHADING)
	DIRECTIONAL / AIMED LUMINAIRE (ARROW INDICATES DIRECTION)
	CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	TRACK LIGHT (# OF HEADS AS SHOWN, LENGTH AS INDICATED)
	LINE VOLTAGE SWITCH (120V TO 347V)
	2-GANG LINE VOLTAGE SWITCH
	3-GANG LINE VOLTAGE SWITCH
	4-GANG LINE VOLTAGE SWITCH
	LOW VOLTAGE SWITCH (30V OR LESS)
	MULTIPLE LOW VOLTAGE SWITCHES (QUANTITY AS INDICATED)
	LOW VOLTAGE DIMMER SWITCH
	LINE VOLTAGE DIMMER SWITCH
	LOW VOLTAGE SWITCH c/w OCCUPANCY SENSOR
	LINE VOLTAGE SWITCH c/w OCCUPANCY SENSOR
	LINE VOLTAGE SWITCH c/w PILOT LIGHT
	LINE VOLTAGE TWO POLE SWITCH
	LINE VOLTAGE THREE WAY SWITCH
	LINE VOLTAGE FOUR WAY SWITCH
	TIMER SWITCH
	KEY OPERATED SWITCH
	3-POSITION LIGHT SWITCH
	CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	WALL MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	PHOTOCCELL (EXTERIOR, TYPE AS INDICATED)
	DAYLIGHT SENSOR (INTERIOR PHOTOCCELL, TYPE AS INDICATED)
	EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)
	CEILING MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
	WALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
	COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK

**LIGHTING ANNOTATION LEGEND**



SECURITY/ACCESS CONTROL SYMBOLS	
	WALL MOUNTED SECURITY CAMERA
	WALL MOUNTED SECURITY CAMERA, FIXED
	WALL MOUNTED SECURITY CAMERA, PAN/TILT/ZOOM
	CEILING MOUNTED SECURITY CAMERA
	CEILING MOUNTED SECURITY CAMERA, FIXED
	CEILING MOUNTED SECURITY CAMERA, PAN/TILT/ZOOM
	CARD READER
	CARD READER / KEY PAD COMBINATION
	SECURITY KEY PAD
	KEYSWITCH OVERRIDE
	REQUEST-TO-EXIT PUSHBUTTON
	PANIC/DURESS PUSHBUTTON
	BUZZER AND KEYSWITCH FOR LOCAL ALARM
	ELECTROMAGNETIC LOCK
	MAGNETIC HOLD OPEN
	ELECTRIC STRIKE
	DOOR CONTACT
	REQUEST-TO-EXIT MOTION SENSOR
	PUSHBUTTON
	PUSHBUTTON C/W KEYED RESET
	CEILING MOUNTED SECURITY MOTION DETECTOR
	CEILING MOUNTED SECURITY MOTION DETECTOR (360 DEGREES)
	WALL MOUNTED SECURITY MOTION DETECTOR
	GLASS BREAK DETECTOR
	PATIENT WANDERING SYSTEM READER CONTROLLER
	PATIENT WANDERING SYSTEM DETECTOR/EXCITER SENSOR
	PATIENT WANDERING SYSTEM SECURITY KEY PAD
	INFANT ABDUCTION SYSTEM READER CONTROLLER
	INFANT ABDUCTION SYSTEM DETECTOR/EXCITER SENSOR
	INFANT ABDUCTION SYSTEM SECURITY KEY PAD

POWER PLAN SYMBOLS	
	DUPLEX 5-15R RECEPTACLE
	LOW VOLTAGE RECEPTACLE C/W INTEGRAL GFCI PROTECTION
	DUPLEX 5-20R RECEPTACLE, T-SLOT
	SINGLE 5-15R RECEPTACLE
	SPLIT CIRCUIT DUPLEX 5-15R RECEPTACLE
	TWO DUPLEX 5-15R RECEPTACLES
	SPECIAL RECEPTACLE (TYPE AS INDICATED)
	REEL CORD RECEPTACLE (TYPE AS INDICATED)
	FLOOR MOUNTED DUPLEX 5-15R RECEPTACLE
	TWO FLOOR MOUNTED DUPLEX 5-15R RECEPTACLES
	CEILING MOUNTED DUPLEX 5-15R RECEPTACLE
	TWO CEILING MOUNTED DUPLEX 5-15R RECEPTACLES
	SERVICE COLUMN / PACK POLE (OUTLETS AS INDICATED)
	UTILITY POLE (TYPE AS INDICATED)
	CEILING MOUNTED JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	POWER PANELBOARD
	PANEL (TYPE AS INDICATED - SECURITY, LIGHTING RELAY, ETC.)
	SURFACE RACEWAY (TYPE AS INDICATED)
	PUSHBUTTON (TYPE AND WIRING AS INDICATED)
	GROUND BUS BAR
	ROOM REFERENCE GROUND BUS
	MOTOR
	MOTOR c/w DISCONNECT SWITCH
	COMBINATION DISCONNECT AND MAGNETIC MOTOR STARTER
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	THERMOSTAT
	MANUAL MOTOR STARTER c/w PILOT LIGHT
	CONDUIT STUB
	CONDUIT UP
	CONDUIT DOWN
	DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP
	DIRECT CONNECTION

**NURSE CALL SYMBOLS**

	WALL MOUNTED NURSE CALL DOME LIGHT
	CEILING MOUNTED NURSE CALL DOME LIGHT
	WALL MOUNTED NURSE CALL ZONE LIGHT
	CEILING MOUNTED NURSE CALL ZONE LIGHT
	NURSE CALL SINGLE PATIENT STATION
	NURSE CALL DOUBLE PATIENT STATION
	NURSE CALL STAFF STATION
	NURSE CALL STAFF EMERGENCY STATION
	NURSE CALL STAFF DUTY STATION/TONE STATION, WALL MOUNTED
	NURSE CALL TONE STATION, CEILING MOUNTED
	WALL MOUNTED NURSE CALL EMERGENCY STATION c/w PULLCORD
	WALL MOUNTED NURSE CALL EMERGENCY STATION c/w PULLCORD, AUDIO
	CODE BLUE STATION (CODES AS NOTED)
	CODE WHITE STATION (CODES AS NOTED)
	NURSE CALL MASTER STATION
	NURSE CALL TERMINAL
	NURSE CALL MARQUEE

**GENERAL SYMBOLS**

	NOTE REFERENCE
	EQUIPMENT REFERENCE
	REVISION NUMBER
	WIRING HOME RUN

**FIRE ALARM SYMBOLS**

	FIRE ALARM MANUAL STATION
	FIRE ALARM BELL
	FIRE ALARM PIEZO (MINI) SOUNDER
	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME
	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME c/w STROBE
	FIRE ALARM HORN SPEAKER
	FIRE ALARM CONE SPEAKER
	FIRE ALARM CONE SPEAKER c/w STROBE
	CEILING MOUNTED REMOTE EVACUATION STROBE
	WALL MOUNTED REMOTE EVACUATION STROBE
	CARBON MONOXIDE ALARM
	FIRE ALARM HEAT DETECTOR (RATE OF RISE UNLESS OTHERWISE INDICATED)
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED
	SMOKE ALARM/SPEAKER
	FLAME DETECTOR
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	CENTRAL ALARM & CONTROL FACILITY
	FIRE ALARM EMERGENCY TELEPHONE
	FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE
	FIRE ALARM RELAY
	FIRE ALARM END OF LINE RESISTOR
	FIRE ALARM FAULT ISOLATION MODULE
	FIRE ALARM CONTROL MODULE
	FIRE ALARM MONITOR MODULE
	FIRE ALARM CONNECTION TO PRESSURE SWITCH
	FIRE ALARM CONNECTION TO FLOW SWITCH
	FIRE ALARM CONNECTION TO TAMPER SWITCH
	FIRE ALARM CONNECTION TO LEVEL SWITCH

SCHEMATIC SYMBOLS	
	DRAW OUT LOW VOLTAGE CIRCUIT BREAKER
	LOW VOLTAGE CIRCUIT BREAKER
	HIGH VOLTAGE CIRCUIT BREAKER
	DRAW OUT HIGH VOLTAGE CIRCUIT BREAKER
	LOAD BREAK SWITCH
	DISCONNECT SWITCH
	FUSE
	TRANSFORMER
	AUTOTRANSFORMER
	CURRENT TRANSFORMER (# INDICATES NUMBER OF CTs IN GROUP)
	ZERO SEQUENCE CURRENT TRANSFORMER
	POTENTIAL TRANSFORMERS (# INDICATES NUMBER OF PTs IN GROUP)
	TRANSFER SWITCH
	AUTOMATIC TRANSFER SWITCH C/W SINGLE ISOLATION/BYPASS
	AUTOMATIC TRANSFER SWITCH C/W DUAL ISOLATION/BYPASS
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	GENERATOR
	REVENUE METER
	DIGITAL INFORMATION METER
	DELTA CONNECTION
	WYE CONNECTION
	GROUND CONNECTION
	HIGH VOLTAGE STRESS RELIEF CONE
	POTHEAD
	CAPACITOR
	SURGE PROTECTIVE DEVICE
	LIGHTNING ARRESTOR
	PANELBOARD
	PUSH PULL SWITCH
	GROUND BUS
	OHMMETER
	KEY SWITCH/KEY INTERLOCK
	VOLTMETER
	CONNECTION
	RESISTOR
	SPACE HEATER
	TERMINAL BLOCK IN MOTOR STARTER OR PANEL
	TERMINAL BLOCK IN PLC
	LIGHT
	PROBE SENSOR - WET WELL APPLICATION
	SWITCH, NORMALLY CLOSED
	SWITCH, NORMALLY OPEN
	FLOW SWITCH, NORMALLY CLOSED
	FLOW SWITCH, NORMALLY OPEN
	LIQUID LEVEL SWITCH, NORMALLY CLOSED
	LIQUID LEVEL SWITCH, NORMALLY OPEN
	PRESSURE OR VACUUM SWITCH, NORMALLY CLOSED
	PRESSURE OR VACUUM SWITCH, NORMALLY OPEN
	PUSH BUTTON MOMENTARY CONTACT, NORMALLY CLOSED
	PUSH BUTTON MOMENTARY CONTACT, NORMALLY OPEN
	NORMALLY-CLOSED, TIMED-CLOSED CONTACT (TIME DELAY ON DE-ENERGIZATION)
	NORMALLY-CLOSED, TIMED-OPEN CONTACT (TIME DELAY ON ENERGIZATION)
	NORMALLY-OPEN, TIMED-OPEN CONTACT (TIME DELAY ON DE-ENERGIZATION)
	NORMALLY-OPEN, TIMED-CLOSED CONTACT (TIME DELAY ON ENERGIZATION)
	TEMPERATURE SWITCH, NORMALLY CLOSED
	TEMPERATURE SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	SELECTOR SWITCH
	HAND-OFF-AUTO SWITCH
	BLOWN FUSE INDICATOR
	PILOT LIGHT - PUSH TO TEST
	INDUCTOR/REACTOR/CHOKE COIL
	MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER
	MOTOR OVERLOAD
	DOOR INTERLOCK SWITCH
	BREAK LINE
	CONTINUATION BREAK

ABBREVIATIONS	
EX	EXISTING DEVICE TO REMAIN
RE	REMOVE EXISTING DEVICE
RP	REPLACE EXISTING DEVICE WITH NEW DEVICE
RL	RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE IN RELOCATED POSITION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BMS	BUILDING MANAGEMENT SYSTEM
CB	CODE BLUE
CC	CRASH CART
CM	COFFEE MACHINE
CW	CODE WHITE
DIC	DICATION
DSS	DIAGNOSTIC SET
DW	DISHWASHER
EL	EXAMINATION LIGHT
FX	FAX MACHINE
GF	GROUND FAULT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HK	HOUSEKEEPING
HFF	HANDS FREE FIXTURE
ICE	ICE MACHINE
OC	ON CENTER
JB	JUNCTION BOX
MCC	MOTOR CONTROL CENTER
MGAP	MEDICAL GAS ALARM PANEL
MW	MICROWAVE
N/C	NURSE CALL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
IG	ISOLATED GROUND
PACS	PICTURE ARCHIVING COMMUNICATION SYSTEM
PL	PATIENT LIFT
PM	PATIENT MONITOR
PTR	PRINTER
PYX	PYXIS MEDSTATION
RB	RELAY BASE
REF	REFRIGERATOR
SB	SOUNDER BASE
SPD	SURGE PROTECTIVE DEVICE
TR	TAMPER RESISTANT
TV	TELEVISION
TYP	TYPICAL
WP	WEATHERPROOF

**DRAWING LIST**

DWG No.	DESCRIPTION
E001	ELECTRICAL LEGEND AND DRAWING LIST
E002	KEY PLAN
E100	POWER & SYSTEMS PLAN - DEMOLITION
E101	LIGHTING PLAN - DEMOLITION
E200	POWER & SYSTEMS PLAN - FITOUT
E201	LIGHTING PLAN - FITOUT
E202	ENLARGED ELECTRICAL ROOM
E301	SINGLE LINE DIAGRAM
E302	LUMINAIRE SCHEDULE
E303	PANEL SCHEDULES
E304	CT WIRING DETAILS
E305	CT WIRING DETAILS
E306	X-RAY WIRING DETAILS

**PROJECT DEMOLITION NOTES**

- ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE, AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT, SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OF WIRING LOCATION. REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
- PRIOR TO COMMENCING WITH DEMOLITION, COORDINATE ALL DEMOLITION WORK WITHIN THE RENOVATED AREA WITH THE GENERAL CONTRACTOR AND ALL SUBTRADES AT THE JOB SITE. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARLY IDENTIFYING ALL CONDUITS, WIRING AND EQUIPMENT WHICH MUST BE MAINTAINED TO PREVENT DAMAGE TO ELECTRICAL CIRCUITS AND EQUIPMENT BY THE DEMOLITION WORK OF OTHER TRADES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REPAIR OR REPLACEMENT OF ELECTRICAL CIRCUITS AND/OR EQUIPMENT DAMAGED BY THE DEMOLITION WORK.
- DEMOLISHED MATERIALS AND DEBRIS MUST BE OPERATED ON A CONTINUOUS BASIS FROM THE WORK AREA.
- THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES. MAINTAIN ELECTRICAL SERVICES AND SYSTEMS AT ALL TIMES TO AREAS BEYOND THE CONSTRUCTION AREA AND MAINTAIN CONTINUITY OF FIRE ALARM, LIFE SAFETY AND SECURITY SYSTEMS TO ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY WIRING AND BRANCH CIRCUITING AS NECESSARY TO MAINTAIN OPERATION OF EXISTING CIRCUITS AND SYSTEMS EXTENDING BEYOND REMODEL AREA. ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES, RECONNECT ANY SERVICES WHICH ARE TO REMAIN, AND WHICH HAVE BEEN DISCONNECTED DURING DEMOLITION OR CONSTRUCTION. ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES OCCUR ONLY AT PRE-SCHEDULED TIMES. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST AND DISTURBANCE.
- REFER TO MECHANICAL AND ARCHITECTURAL PLANS FOR FURTHER INDICATION OF DEMOLITION AND RENOVATION. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR TEMPORARY OR PERMANENT REMOVAL, DISCONNECTION, AND/OR RELOCATION OF EQUIPMENT AND ASSOCIATED CONTROLS (EXCLUDING MECHANICAL EQUIPMENT).
- PERMANENTLY REMOVE ABANDONED ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, ELECTRICAL DEVICES, POWER AND SIGNALING WIRING DEVICES AND ASSOCIATED WIRE, RACEWAYS, AND/OR JUNCTION BOXES. THE REMOVAL OR RELOCATION OF EXISTING ELECTRICAL EQUIPMENT PRESENTLY CONCEALED IN EXISTING CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL OR RELOCATION. RACEWAYS AND CONDUCTORS SHALL BE REMOVED BACK TO THE SOURCE OR NEAREST REMAINING JUNCTION BOX OR DEVICE AS FAR AS PRACTICAL, OR WHERE COMPLETE REMOVAL NOT PRACTICAL, RENDERED PERMANENTLY SAFE.
- ANY EXISTING SYSTEM OUTAGES SHALL BE OF MINIMUM DURATION AND AT A TIME ACCEPTABLE TO THE OWNER, ARRANGED A MINIMUM OF 10 WORKING DAYS IN ADVANCE. LONGER NOTICES AND/OR ADDITIONAL RESTRICTIONS PERTAINING TO OUTAGES MAY BE REQUIRED IN SOME INSTANCES, AS PER SPECIFICATIONS. VERIFY PROTOCOL WITH ALL PROJECT STAKEHOLDERS INCLUDING OWNER, TENANT, CONSTRUCTION MANAGER AND/OR USER GROUP(S) AS APPLICABLE.
- ELECTRICAL EQUIPMENT, FIXTURES, AND/OR DEVICES SCHEDULED TO REMAIN OR TO BE RELOCATED THAT HAVE BEEN DAMAGED DURING DEMOLITION SHALL BE REPLACED WITH SIMILAR TYPE AS APPROVED BY THE OWNER, AT NO ADDITIONAL CHARGE TO THE OWNER.
- IN THE EVENT THAT DEMOLITION WORK AFFECTS THE STRUCTURAL SUPPORT OF EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN IN SERVICE, IT SHALL BE RE-SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODES. PROVIDE TEMPORARY SUPPORTS WHERE REQUIRED.
- UNUSED FLUSH MOUNTED DEVICES, OUTLET AND OTHER BOXES IN FINISHED AREAS SHALL BE REMOVED FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES. UNUSED RACEWAYS AND SLEEVES SHALL BE CUT FLUSH AT CEILING, FLOOR OR WALL AND FILLED WITH GROUT OR REQUIRED FIRE SEALANT. UNUSED RACEWAYS ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED.
- ELECTRICAL MATERIAL SCHEDULED FOR REMOVAL IS TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AS PART OF THIS CONTRACT. ANY ELECTRICAL MATERIAL THE OWNER WISHES TO RETAIN TO BECOME THE PROPERTY OF THE OWNER AND TO BE REMOVED AND PLACED AT A LOCATION ON THE SITE AS DIRECTED BY THE OWNER.
- THESE DEMOLITION DRAWINGS ARE INTENDED TO ASSIST THE ELECTRICAL CONTRACTOR IN ESTABLISHING AREAS OF EQUIPMENT TO BE REMOVED OR RELOCATED. ELECTRICAL CONTRACTOR, OUTLETS, WIRING, DEVICES, FIXTURES, ETC. AND DO NOT INDICATE ALL OUTLETS, EXACT QUANTITIES OR EXTENT OF DEMOLITION AND RECONNECTION WHICH MAY BE REQUIRED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY EXAMINE ALL AREAS REQUIRING DEMOLITION WORK AND INCLUDE ALL LABOR AND INCIDENTALS WHICH MAY BE NECESSARY TO PERFORM DEMOLITION, RECONNECTION AND TEMPORARY POWER CONNECTIONS IN THE BID. BEFORE REMOVING SERVICES FOLLOW THE SERVICE THROUGH TO ENSURE OTHER AREAS OF THE BUILDING ARE NOT AFFECTED.
- ALL DEMOLITION AREAS SHALL BE PROTECTED TO MEET THE HOSPITAL INFECTION CONTROL PROCEDURES AND STANDARDS. ALL AREAS SHALL BE SEALED WITH DUST TRAPPING ADHESIVE WALK-OFF MATS TO AND FROM ENTRANCES AND EXIT OF CONSTRUCTION AREAS.

**TELECOMMUNICATIONS SYMBOLS**

	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	FLOOR MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	CEILING MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	INTERCOM STATION
	WIRELESS ACCESS POINT
	WALL MOUNTED TELEVISION OUTLET
	CEILING MOUNTED TELEVISION OUTLET
	FLOOR MOUNTED TELEVISION OUTLET
	FIBRE OPTIC OUTLET
	CABLE TRAY, AS INDICATED
	PAGING SPEAKER

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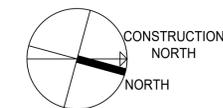
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Consultants

Keyplan

North Arrow



POWER & SYSTEMS KEYPLAN GENERAL NOTES

- HATCHED AREAS ARE NOT IN SCOPE.
- ANY EXISTING WIRING SERVICE DEVICES TO REMAIN IN SERVICE, AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT, SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION, AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE DEMOLITION AREA. COORDINATE WITH DEMOLITION OF OTHER TRADES.
- THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES, MAINTAIN ELECTRICAL SERVICES AND SYSTEMS AT ALL TIMES TO AREAS BEYOND THE CONSTRUCTION AREA AND MAINTAIN CONTINUITY OF FIRE ALARM, LIFE SAFETY, AND SECURITY SYSTEM TO ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY WIRING AND BRANCH CIRCUITING AS NECESSARY TO MAINTAIN OPERATION OF EXISTING CIRCUITS AND SYSTEMS EXTENDING BEYOND REMODEL AREA. ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES. RECONNECT ANY SERVICES WHICH ARE TO REMAIN, AND WHICH HAVE BEEN DISCONNECTED DURING DEMOLITION OR CONSTRUCTION, ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES ONLY OCCUR AT PRE-SCHEDULED TIMES. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST, AND DISTURBANCE.



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140023034	1:125	
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1 KEY PLAN  
E002 1:125

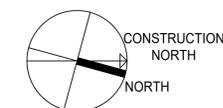
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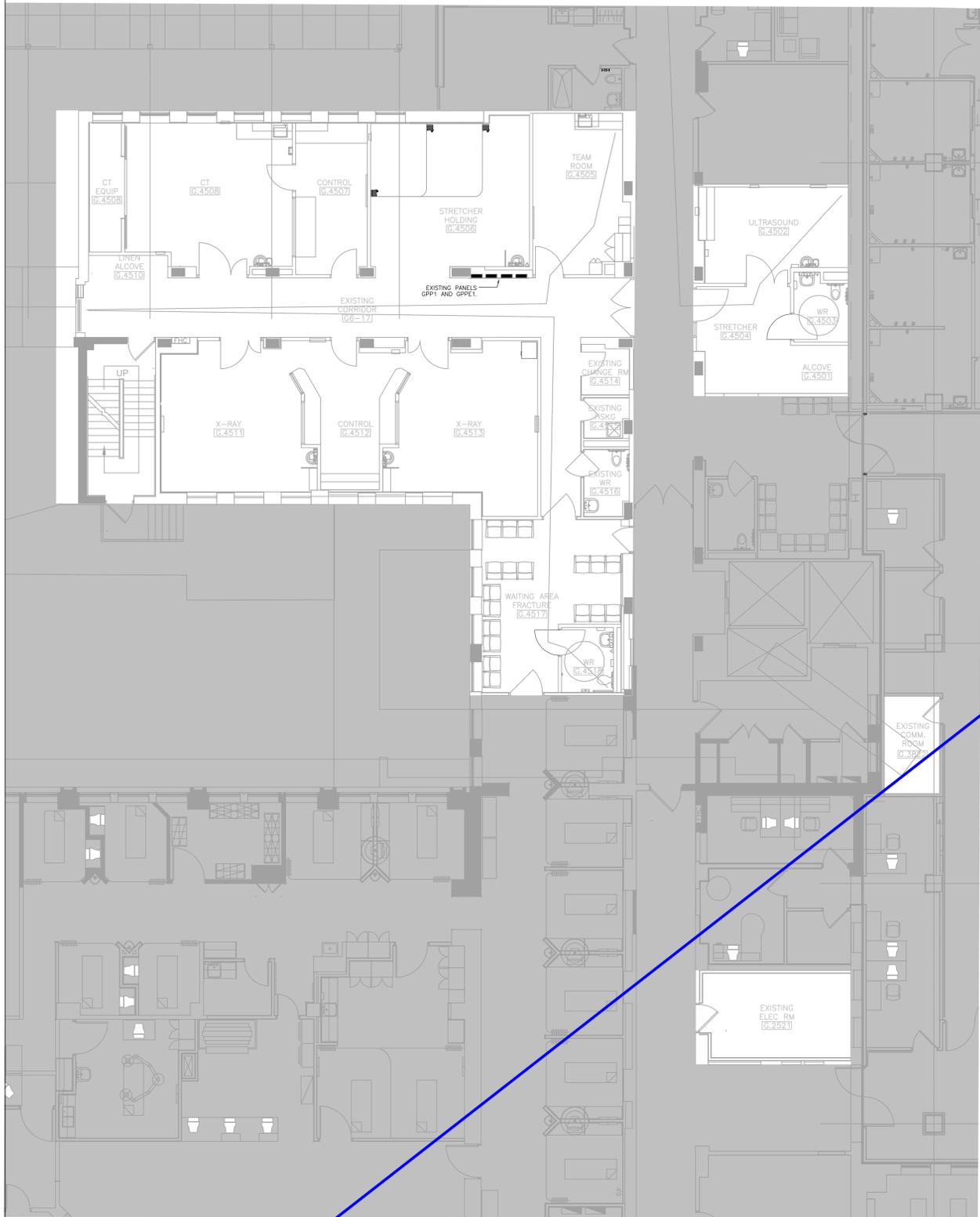
**Keyplan**

**North Arrow**



**POWER & SYSTEMS KEYPLAN GENERAL NOTES**

- HATCHED AREAS ARE NOT IN SCOPE.
- ANY EXISTING WIRING SERVICES TO REMAIN IN SERVICE, AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT, SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION, AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE DEMOLITION AREA. COORDINATE WITH DEMOLITION OF OTHER TRADES.
- THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES, MAINTAIN ELECTRICAL SERVICES AND SYSTEMS AT ALL TIMES TO AREAS BEYOND THE CONSTRUCTION AREA AND MAINTAIN CONTINUITY OF FIRE ALARM, LIFE SAFETY, AND SECURITY SYSTEM TO ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY WIRING AND BRANCH CIRCUITING AS NECESSARY TO MAINTAIN OPERATION OF EXISTING CIRCUITS AND SYSTEMS EXTENDING BEYOND REMODEL AREA. ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES. RECONNECT ANY SERVICES WHICH ARE TO REMAIN, AND WHICH HAVE BEEN DISCONNECTED DURING DEMOLITION OR CONSTRUCTION, ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES ONLY OCCUR AT PRE-SCHEDULED TIMES. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST, AND DISTURBANCE.



1 KEY PLAN  
 E002 1:100

Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27
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File Name:	VW/MC	IB	VW/MC 24.09.11
	Dwn.	Chkd.	Dsgn. YY.MM.DD

**Permit-Seal**



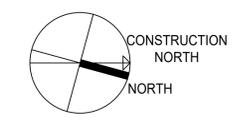
**Client/Project**  
 SCARBOROUGH HEALTH NETWORK  
 GENERAL HOSPITAL  
 SATELLITE IMAGING RENOVATION

3050 Lawrence Ave East, Scarborough, Ontario

**Title**  
 KEY PLAN

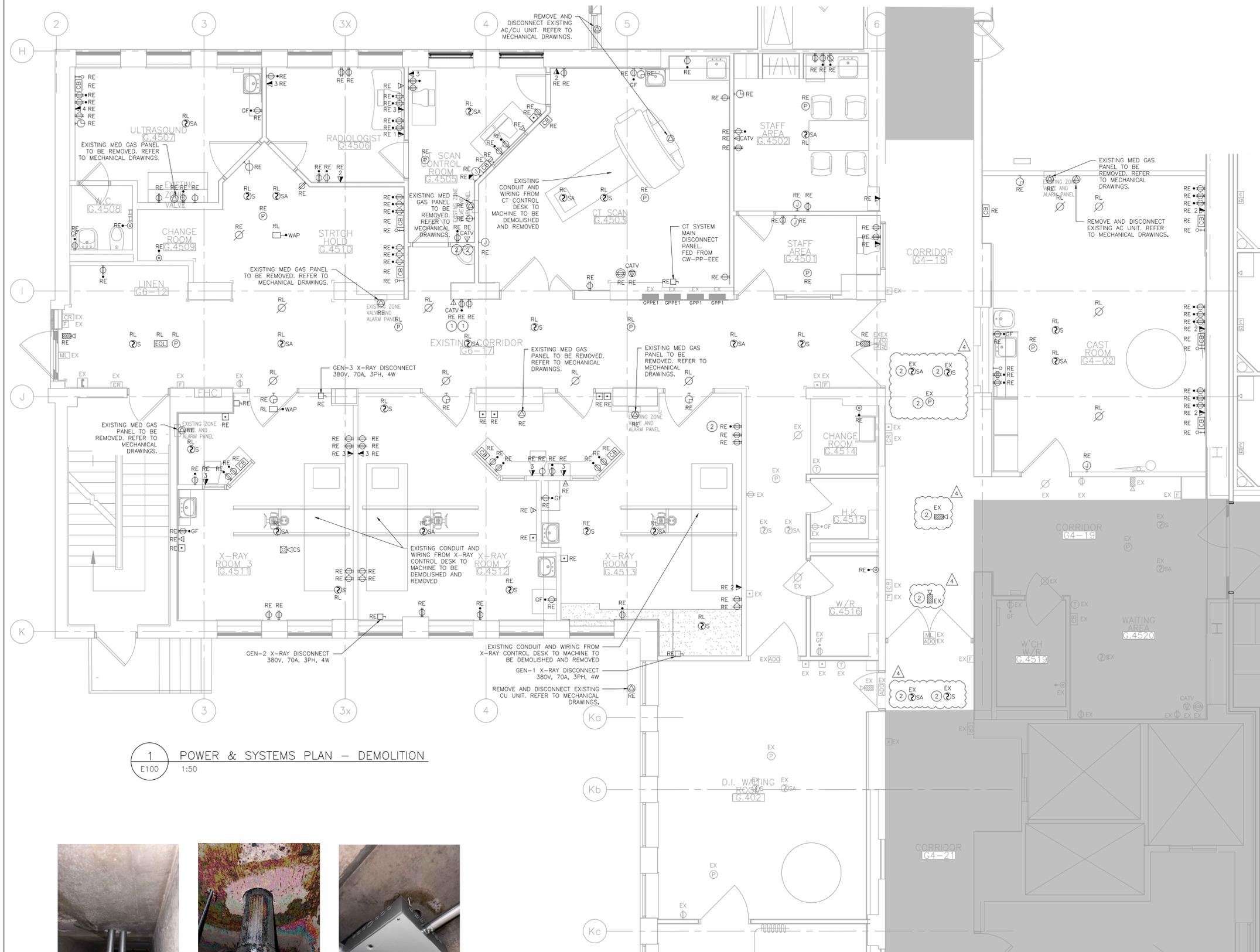
Project No.	Scale	
140023034	1:100	
Drawing No.	Sheet	Revision

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 ORIGINAL SHEET - Arch D



- POWER & SYSTEMS DEMOLITION PLAN GENERAL NOTES**
- HATCHED AREAS ARE NOT IN SCOPE.
  - ANY EXISTING WIRING SERVICE DEVICES TO REMAIN IN SERVICE, AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT, SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION, AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE DEMOLITION AREA. COORDINATE WITH DEMOLITION OF OTHER TRADES.
  - THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES. MAINTAIN ELECTRICAL SERVICES AND SYSTEMS AT ALL TIMES TO AREAS BEYOND THE CONSTRUCTION AREA AND MAINTAIN CONTINUITY OF FIRE ALARM, LIFE SAFETY, AND SECURITY SYSTEM TO ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY WIRING AND BRANCH CIRCUITING AS NECESSARY TO MAINTAIN OPERATION OF EXISTING CIRCUITS AND SYSTEMS EXTENDING BEYOND REMODEL AREA. ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES. RECONNECT ANY SERVICES WHICH ARE TO REMAIN, AND WHICH HAVE BEEN DISCONNECTED DURING DEMOLITION OR CONSTRUCTION. ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES ONLY OCCUR AT PRE-SCHEDULED TIMES. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST, AND DISTURBANCE.
  - REMOVE ALL POWER, DATA, FIRE ALARM, AND DOOR SECURITY DEVICES UNLESS OTHERWISE SHOWN. NOT ALL DEVICES IN AREA ARE SHOWN. CONTRACTOR TO REVIEW AS BUILT DRAWINGS AND ATTEND SITE WALKTHROUGH AND BE RESPONSIBLE FOR REMOVAL OF ALL DEVICES.
  - ELECTRICAL CONTRACTOR SHALL REMOVE ANY EQUIPMENT/DEVICES THAT ARE NOT NEEDED (RECEPTACLES, DATA DROPS, CONDUITS, ETC.) AND ARE TO BE MADE SAFELY BACK TO SOURCE PANELBOARDS AND DATA ROOM.
  - IN THE EVENT THE DEMOLITION WORK AFFECTS THE STRUCTURAL SUPPORT OF EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN IN SERVICE, IT SHALL BE RE-SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODES. PROVIDE TEMPORARY POWER AND PERMANENT SUPPORTS WHERE REQUIRED.
  - UNUSED FLUSH MOUNTED DEVICES, OUTLETS, AND OTHER BOXES IN FINISHED AREAS SHALL BE REMOVED FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES. UNUSED RACEWAYS AND SLEEVES SHALL BE CUT FLUSH AT CEILING, FLOOR, OR WALL AND FILLED WITH GROUT OR REQUIRED FIRE SEALANT. UNUSED RACEWAYS ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED.
  - ELECTRICAL MATERIAL SCHEDULED FOR REMOVAL IS TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AS PART OF THIS CONTRACT. ANY ELECTRICAL MATERIAL THE OWNER WISHES TO RETAIN IS TO BECOME THE PROPERTY OF THE OWNER AND IS TO BE REMOVED AND PLACED AT A LOCATION ON THE SITE AS DIRECTED BY THE OWNER.
  - THE DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF THE DEMOLITION AND NOT EXACT DETAILS OR TOTAL EXTENT. FOR EXACT DETAILS AND TOTAL EXTENT, EACH SERVICE MUST BE CAREFULLY CHECKED ON SITE, BEFORE REMOVING SERVICES FOLLOW THE EXACT SERVICE THROUGH TO ENSURE OTHER AREAS OF THE BUILDING ARE NOT AFFECTED. COORDINATE THE EXACT EXTENT OF ALL DEMOLITION AND REMOVAL OF ELECTRICAL ITEMS WITH ARCHITECTURAL DRAWINGS AND THE OWNER ON SITE.
  - PROVIDE TYPED UPDATED PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE ELECTRICAL WORK.
  - NO EXTRA FEES WILL BE ALLOTTED FOR DEVICES NOT SHOWN ON THE DRAWING OR DEVICES DISCOVERED DURING RENOVATIONS.

- DRAWING NOTES**
- DEVICE IS WALL MOUNTED CLOSE TO THE CEILING.
  - CEILING TO BE REMOVED AND RE-INSTALLED. DEVICES TO REMAIN ACTIVE DURING CONSTRUCTION AND BE RE-INSTALLED IN EXISTING LOCATION.



1 POWER & SYSTEMS PLAN - DEMOLITION  
E100 1:50



2 EXISTING X-RAY CONDUIT AND WIRING  
E100 N.T.S.

Revision	By	Appd.	YY.MM.DD
4	ISSUED FOR ADDENDUM 1	MC	IB 25.05.02
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
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1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27

File Name: \_\_\_\_\_ VV/MC IB VV/MC 24.09.11  
Dwn. Chkd. Dsgn. YY.MM.DD



Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**  
3050 Lawrence Ave East, Scarborough, Ontario

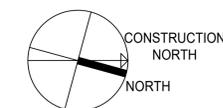
Title  
**POWER & SYSTEMS PLAN - DEMOLITION**

Project No.	Scale	
140023034	N.T.S.	
Drawing No.	Sheet	Revision

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REFLECTED CEILING DEMOLITION PLAN GENERAL NOTES

- HATCHED AREAS ARE NOT IN SCOPE.
- ANY EXISTING WIRING SERVICE DEVICES TO REMAIN IN SERVICE AND WHICH ARE INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT, SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION, AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE DEMOLITION AREA. COORDINATE WITH DEMOLITION OF OTHER TRADES.
- THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES, MAINTAIN ELECTRICAL SERVICES AND SYSTEMS AT ALL TIMES TO AREAS BEYOND THE CONSTRUCTION AREA AND MAINTAIN CONTINUITY OF FIRE ALARM, LIFE SAFETY, AND SECURITY SYSTEM TO ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY WIRING AND BRANCH CIRCUITING AS NECESSARY TO MAINTAIN OPERATION OF EXISTING CIRCUITS AND SYSTEMS EXTENDING BEYOND REMODEL AREA. ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES. RECONNECT ANY SERVICES WHICH ARE TO REMAIN, AND WHICH HAVE BEEN DISCONNECTED DURING DEMOLITION OR CONSTRUCTION. ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES ONLY OCCUR AT PRE-SCHEDULED TIMES. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST, AND DISTURBANCE.
- REMOVE ALL LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES UNLESS OTHERWISE SHOWN. NOT ALL DEVICES IN AREA ARE SHOWN. CONTRACTOR TO REVIEW AS-BUILT DRAWINGS AND ATTEND SITE WALKTHROUGH AND BE RESPONSIBLE FOR REMOVAL OF ALL DEVICES.
- ELECTRICAL CONTRACTOR SHALL REMOVE ANY EQUIPMENT/DEVICES THAT ARE NOT NEEDED (RECEPTACLES, DATA DROPS, CONDUITS, ETC.) AND ARE TO BE MADE SAFELY BACK TO SOURCE PANELBOARDS AND DATA ROOM.
- IN THE EVENT THE DEMOLITION WORK AFFECTS THE STRUCTURAL SUPPORT OF EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN IN SERVICE, IT SHALL BE RE-SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODES. PROVIDE TEMPORARY POWER AND PERMANENT SUPPORTS WHERE REQUIRED.
- UNUSED FLUSH MOUNTED DEVICES, OUTLETS, AND OTHER BOXES IN FINISHED AREAS SHALL BE REMOVED FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES. UNUSED RACEWAYS AND SLEEVES SHALL BE CUT FLUSH AT CEILING, FLOOR, OR WALL AND FILLED WITH GROUT OR REQUIRED FIRE SEALANT. UNUSED RACEWAYS ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED.
- ELECTRICAL MATERIAL SCHEDULED FOR REMOVAL IS TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AS PART OF THIS CONTRACT. ANY ELECTRICAL MATERIAL THE OWNER WISHES TO RETAIN IS TO BECOME THE PROPERTY OF THE OWNER AND IS TO BE REMOVED AND PLACED AT A LOCATION ON THE SITE AS DIRECTED BY THE OWNER.
- THE DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF THE DEMOLITION AND NOT EXACT DETAILS OR TOTAL EXTENT. FOR EXACT DETAILS AND TOTAL EXTENT, EACH SERVICE MUST BE CAREFULLY CHECKED ON SITE. BEFORE REMOVING SERVICES FOLLOW THE EXACT SERVICE THROUGH TO ENSURE OTHER AREAS OF THE BUILDING ARE NOT AFFECTED. COORDINATE THE EXACT EXTENT OF ALL DEMOLITION AND REMOVAL OF ELECTRICAL ITEMS WITH ARCHITECTURAL DRAWINGS AND THE OWNER ON SITE.
- PROVIDE TYPED UPDATED PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE ELECTRICAL WORK.
- NO EXTRA FEES WILL BE ALLOTTED FOR DEVICES NOT SHOWN ON THE DRAWING OR DEVICES DISCOVERED DURING RENOVATIONS.

DRAWING NOTES

- LIGHTING FIXTURE TO BE REMOVED AND RE-INSTALLED IN EXISTING LOCATION.



1 REFLECTED CEILING PLAN - DEMOLITION  
 E101 1:50

Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
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1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27

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File Name:	VW/MC	IB	VW/MC 24.09.11
	Dwn.	Chkd.	Dsgn. YY.MM.DD

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Client/Project  
**SCARBOROUGH HEALTH NETWORK  
 GENERAL HOSPITAL**  
**SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

Title  
**LIGHTING PLAN - DEMOLITION**

Project No.	Scale
140023034	1:50

Drawing No.	Sheet	Revision
E101	4	of 13

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 2025/04/04 5:03 PM By: Wang, Emma  
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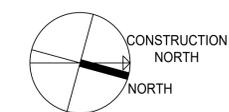
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Keyplan

North Arrow



Revision	By	Appd.	YY.MM.DD	
5	ISSUED FOR ADDENDUM 2	MC	IB	25.05.09
4	ISSUED FOR ADDENDUM 1	MC	IB	25.05.02
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1	ISSUED FOR CLASS C COSTING	MC	IB	24.11.27
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File Name:	VW/MC	IB	VW/MC	24.09.11
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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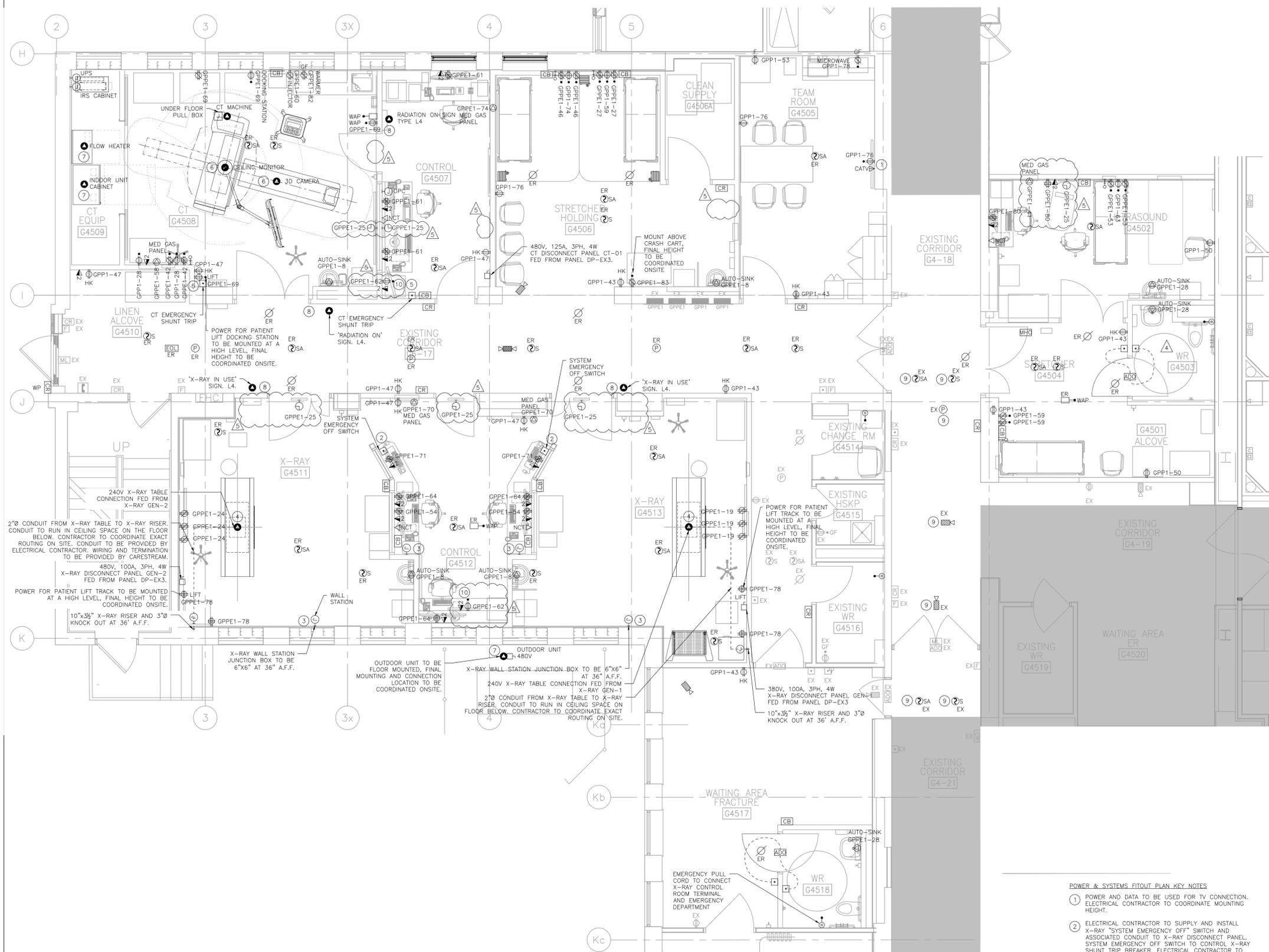


Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

Title  
**POWER AND SYSTEMS PLAN - FITOUT**

Project No.	Scale	
140023034	N.T.S.	
Drawing No.	Sheet	Revision



- POWER & SYSTEMS FITOUT PLAN GENERAL NOTES**
- HATCHED AREAS NOT IN SCOPE.
  - PANEL BREAKER NUMBERS ARE FOR LOAD CIRCUITING ONLY. INSTALL CIRCUITS IN THE NEXT OPEN PANEL BOARD BREAKER SPACE.
  - PROVIDE CAT6A CABLING FROM IT RACKS LOCATED IN ROOM G-3822 FOR PATIENT AND STAFF COMMUNICATION DEVICES.
  - ELECTRICAL CONTRACTOR TO COORDINATE WITH JCI FOR ANY FIRE ALARM DEVICE RELOCATION AND COORDINATION WITH EXISTING SCARBOROUGH HEALTH NETWORK FIRE ALARM SYSTEM.
  - WIRING IN THIS AREA SHALL CONFORM TO CSA-232 AND SECTION 24 OF THE ONTARIO ELECTRICAL SAFETY CODE (OESC). RECEPTACLES SHALL BE HOSPITAL GRADE WITH DEDICATED GROUND AND SHALL BE TESTED IN ACCORDANCE WITH CSA-232. ELECTRICAL CONTRACTOR TO PROVIDE FORCE RETENTION AND VOLTAGE DROP TESTS ON ALL HOSPITAL GRADE RECEPTACLES, AND PASS ALL CSA-232 REQUIREMENTS ALONG WITH THE ELECTRICAL SAFETY AUTHORITY (ESA) INSPECTION REPORT.
  - ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL LABELS ON ALL RECEPTACLES AND SYSTEM FURNITURE FEEDS. LABELS TO INCLUDE BOTH PANEL AND CIRCUIT DESIGNATION. REVIEW LABEL SIZE AND TYPE WITH CONSULTANT PRIOR TO INSTALLATION.
  - COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR IS TO VERIFY EXACT POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH APPROVED MECHANICAL SHOP DRAWINGS PRIOR TO ROUGH IN.
  - ENSURE THAT ALL ELECTRICAL EQUIPMENT SUPPLIED BY OTHERS IS SUITABLE FOR THE RESPECTIVE VOLTAGE.
  - ALL EMPTY CONDUITS SHALL BE COMPLETE WITH PULL STRINGS.
  - INSPECT AND CLEAN THE INSIDE OF PANELBOARDS AND CABINETS TO ENSURE THEY ARE COMPLETELY FREE FROM DUST AND DEBRIS. REMOVE ALL DEBRIS, SURPLUS MATERIAL, AND TOOLS. ALL REMOVED MATERIAL AND EQUIPMENT NOT USED SHALL BE REMOVED FROM THE SITE.
  - THE MAIN INTENT IS TO REUSE EXISTING CIRCUITS WHENEVER POSSIBLE.
  - CIRCUIT NUMBERS SHOWN ON THE DRAWING ARE FOR INTENT AND GROUPING PURPOSE ONLY AND WILL NOT REPRESENT THE ACTUAL CIRCUIT AVAILABLE FOR RE-USE. ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT NUMBERS BASED ON SITE CONDITIONS AND ALLOW FOR NEW CIRCUITS AND/OR CIRCUIT BREAKERS AND PANEL UPGRADE OR THE ADDITION OF NEW PANEL IF REQUIRED. ALL CIRCUIT NUMBERS SHALL BE INDICATED ON THE AS-BUILT DRAWINGS. ELECTRICAL CONTRACTOR TO USE PANEL GPP1 FOR NORMAL POWERED DEVICES.
  - ELECTRICAL CONTRACTOR WILL SUPPLY, INSTALL AND TERMINATE ALL CONDUITS AND DATA CABLES FOR COMMUNICATION DATA DROPS.
  - ELECTRICAL CONTRACTOR WILL SUPPLY AND INSTALL EMPTY CONDUITS AND ROUGH-INS WITH PULL STRING FOR SECURITY SYSTEMS. SECURITY CONTRACTOR SHALL SUPPLY, INSTALL AND TERMINATE SECURITY SYSTEM CABLES AND DEVICES.
  - ALL EMERGENCY PANEL COVERS, RECEPTACLES, AND COVER PLATES SHALL BE RED. NORMAL RECEPTACLES AND COVER PLATES SHALL BE IVORY. LAMACOID PLATES FOR EMERGENCY PANELS SHALL BE RED WITH WHITE FONT AND LAMACOID PLATES FOR NORMAL PANELS SHALL BE WHITE WITH BLACK FONT.
  - ELECTRICAL CONTRACTOR TO PROVIDE EMPTY CONDUIT AND ROUGH-INS WITH PULL STRINGS FOR NURSE CALL SYSTEMS AS PER ATEL SPECIFICATIONS. NURSE CALL SECURITY CONTRACTOR SHALL SUPPLY, INSTALL, AND TERMINATE NURSE CALL DEVICES. ALL NEW DEVICES TO BE ATEL RESPONDER S.
  - CONTRACTOR TO SUPPLY AND INSTALL WIRING FROM POWER SUPPLY (ON/OFF DISCONNECT SWITCH IN CT CONTROL ROOM) TO CT MACHINE PULL BOX, INDOOR UNIT CABINET, AND FLOW HEATER. ALL FIVE (5) WIRES/CONDUCTORS MUST BE OF EQUAL SIZE AND THE SAFETY GROUP MUST BE ISOLATED.
  - ALL NON-SIEMENS EQUIPMENT SHALL BE GROUNDED SEPARATELY.
  - CONTRACTOR TO COORDINATE AUTO-SINK CONNECTION TYPE (HARDWARE VS PLUG IN) WITH SHOP DRAWINGS
  - CONTRACTOR TO INCLUDE FOR VERIFYING, TESTING, AND DOCUMENTING ALL INTERCONNECTIONS BETWEEN SYSTEMS PROVIDED FOR FIRE PROTECTION AND LIFE SAFETY FUNCTIONS ARE INSTALLED AND OPERATING IN CONFORMANCE WITH THE DESIGN CRITERIA. THIS IS END TO END TESTING PER CODE REQUIREMENTS UNDER 'CAN/ULC-S1001 - STANDARD FOR INTEGRATED SYSTEMS TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEMS'.
  - CLOCKS TO BE PRIMEX TIME SYSTEM, HARDWIRED, DIGITAL, 6 DIGIT SURFACE MOUNTED, AUTOSYNCH. CLOCKS TO BE CONNECTED TO EXISTING SYSTEM.

- POWER & SYSTEMS FITOUT PLAN KEY NOTES**
- POWER AND DATA TO BE USED FOR TV CONNECTION. ELECTRICAL CONTRACTOR TO COORDINATE MOUNTING HEIGHT.
  - ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL X-RAY SYSTEM EMERGENCY OFF SWITCH AND ASSOCIATED CONDUIT TO X-RAY DISCONNECT PANEL. SYSTEM EMERGENCY OFF SWITCH TO CONTROL X-RAY SHUNT TRIP BREAKER. ELECTRICAL CONTRACTOR TO COORDINATE WITH CARESTREAM SITE SPECIFIC X-RAY SHOP DRAWINGS.
  - X-RAY FLUSH BOXES TO BE RECESSED INTO WALL. ELECTRICAL CONTRACTOR TO COORDINATE WIRE SIZES, CONDUIT SIZE, MOUNTING HEIGHT, AND ROUTING WITH CARESTREAM SITE SPECIFIC X-RAY SHOP DRAWINGS.
  - ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ASSOCIATED CONDUIT FROM X-RAY DISCONNECT PANEL TO X-RAY TABLE. REFER TO E305. ELECTRICAL CONTRACTOR TO COORDINATE WITH APPROVED X-RAY SHOP DRAWINGS AND STRUCTURAL DRAWINGS. WIRING AND TERMINATION TO BE PROVIDED BY CARESTREAM.
  - ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL EMERGENCY OFF SWITCH FOR CT MACHINE. EMERGENCY OFF SWITCH TO BE EQUIPPED WITH A HINGED PLASTIC CLEAR COVER. EMERGENCY SWITCH TO ALSO SWITCH OFF UPS IN CASE OF EMERGENCY. EMERGENCY OFF SWITCH TO CONTROL CT SHUNT TRIP BREAKER.
  - CABLING FOR CEILING MONITOR AND 3D CAMERA TO BE FED THROUGH CT CEILING SUPPORTS. ELECTRICAL CONTRACTOR TO COORDINATE EXACT LOCATION WITH SIEMENS AND STRUCTURAL ENGINEER. REFER TO E304 AND E305 FOR CT SIEMENS WIRING DETAILS. WIRING AND TERMINATION TO BE PROVIDED BY SIEMENS.
  - ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT FOR CABLING BETWEEN INDOOR UNIT CABINET AND CT MACHINE PULL BOX, AND FOR CABLING BETWEEN FLOW HEATER AND OUTDOOR UNIT DISCONNECT. ELECTRICAL CONTRACTOR TO COORDINATE EXACT ROUTING WITH SIEMENS AND OTHER TRADES. REFER TO E304 AND E305 FOR SIEMENS CT WIRING DETAILS. WIRING AND TERMINATION TO BE PROVIDED BY SIEMENS.
  - 'RADIATION ON'/'X-RAY ON' SIGN TO BE WIRED AND CONNECTED BY ELECTRICAL CONTRACTOR TO CT/X-RAY SYSTEM. SIGN VERBIAGE TO BE COORDINATED AND CONFIRMED WITH SHN AND ARCHITECT.
  - CEILING TO BE REMOVED AND RE-INSTALLED. DEVICES TO REMAIN ACTIVE DURING CONSTRUCTION AND TO BE RE-INSTALLED IN EXISTING LOCATION.
  - POWER AND DATA TO BE USED FOR CCTV MONITOR. ELECTRICAL CONTRACTOR TO COORDINATE MOUNTING HEIGHT.

1 POWER & SYSTEMS PLAN - FITOUT  
E200 1:50







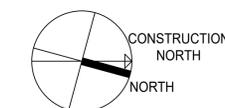
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Keyplan

North Arrow



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Client/Project  
**SCARBOROUGH HEALTH NETWORK  
 GENERAL HOSPITAL**  
**SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

Title  
**LIGHTING PLAN - FITOUT**

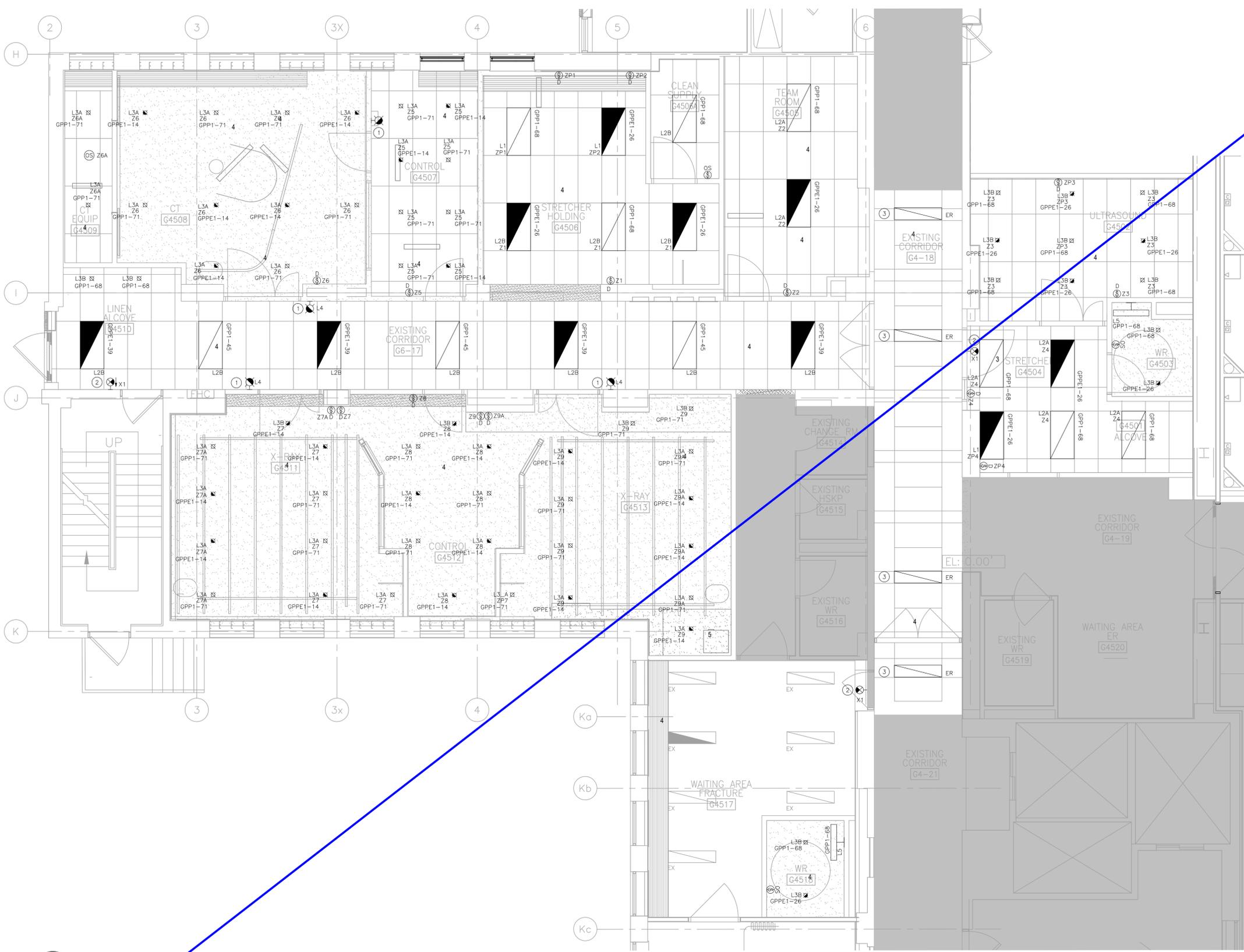
Project No.	Scale	
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Drawing No.	Sheet	Revision

LIGHTING PLAN GENERAL NOTES

- HATCHED AREAS NOT IN SCOPE.
- ALL NEW LED LUMINAIRES AND NEW RECESSED DOWNLIGHTS SHALL BE CHAIN HUNG AND SUPPORTED FROM THE STRUCTURE ABOVE. LUMINAIRES ARE NOT TO BE SUSPENDED FROM MECHANICAL LINES, DUCTWORK, OR OTHER BUILDING SERVICES.
- CLEAN ALL LUMINAIRES, INSIDE AND OUT AT THE TIME OF SUBSTANTIAL COMPLETION. REPLACE ALL SCRATCHED OR DAMAGED LUMINAIRES INCLUDING REMOTE HEADS, LENSES, LOUVERS, AND DIFFUSERS IN THE CONSTRUCTION AREA, AT NO COST TO THE OWNER.
- THE ELECTRICAL CONTRACTOR IS TO INSTALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, LOCAL CODES, LOCAL INSPECTION REQUIREMENTS, ELECTRICAL DIVISION DRAWINGS, AND SPECIFICATIONS.
- THE INTENT IS TO REUSE EXISTING LIGHTING CIRCUITS WHEN POSSIBLE.
- ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT NUMBERS BASED ON SITE CONDITIONS AND SHALL NOT LOAD CIRCUIT BREAKER MORE THAN 80% AND ALLOW FOR CIRCUIT BREAKER UPGRADE TO 20A, 1P OR THE ADDITION OF NEW CIRCUIT BREAKER AND/OR PANEL UPGRADE IF REQUIRED. ALL CIRCUIT NUMBERS SHALL BE INDICATED ON AS-BUILT DRAWINGS.
- ELECTRICAL CONTRACTOR TO COORDINATE LUMINAIRE LOCATION WITH NEW AND EXISTING MECHANICAL EQUIPMENT.
- ENSURE ALL NEW LIGHTING CONTROL DEVICES TO MATCH EXISTING.
- CIRCUIT NUMBERS SHOWN ON THE DRAWING ARE FOR INTENT AND GROUPING PURPOSES ONLY AND WILL NOT REPRESENT THE ACTUAL CIRCUIT AVAILABLE FOR RE-USE. ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT NUMBERS BASED ON SITE CONDITIONS AND ALLOW FOR NEW CIRCUITS AND/OR CIRCUIT BREAKERS AND PANEL UPGRADE OR THE ADDITION OF NEW PANEL IF REQUIRED. ALL CIRCUIT NUMBERS SHALL BE INDICATED ON THE AS-BUILT DRAWINGS.
- PROVIDE AND INSTALL UL924 RELATED DEVICES TO ENSURE ALL LIGHTING AUTOMATICALLY TURN ON TO FULL BRIGHTNESS AS PER OBC REQUIREMENT.

LIGHTING PLAN KEY NOTES

- "RADIATION ON"/"X-RAY ON" SIGNS TO BE WIRED AND CONNECTED TO CT/X-RAY SYSTEM. SIGN VERBIAGE TO BE COORDINATED AND CONFIRMED WITH SHN AND ARCHITECT.
- NEW EXIT SIGN "X1" TO BE CONNECTED TO EXISTING EXIT SIGN CIRCUIT.
- LIGHTING FIXTURE TO BE RE-INSTALLED IN EXISTING LOCATION.



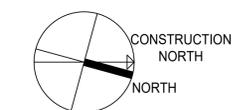
1 REFLECTED CEILING PLAN - FITOUT  
 E200 1:50

\\c07091-projects\shared\_projects\140023034\working\_files\10\_electrical\01\_cad\01\_sheets\0201 - LIGHTING PLAN - FITOUT.dwg  
 2025/04/04 09:50 AM BY: MWP, LMS  
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Keyplan

North Arrow



Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27
Issued		By	Appd. YY.MM.DD
File Name:	W/MC	IB	VW/MC 24.09.11
	Dwn.	Chkd.	Dsgn. YY.MM.DD

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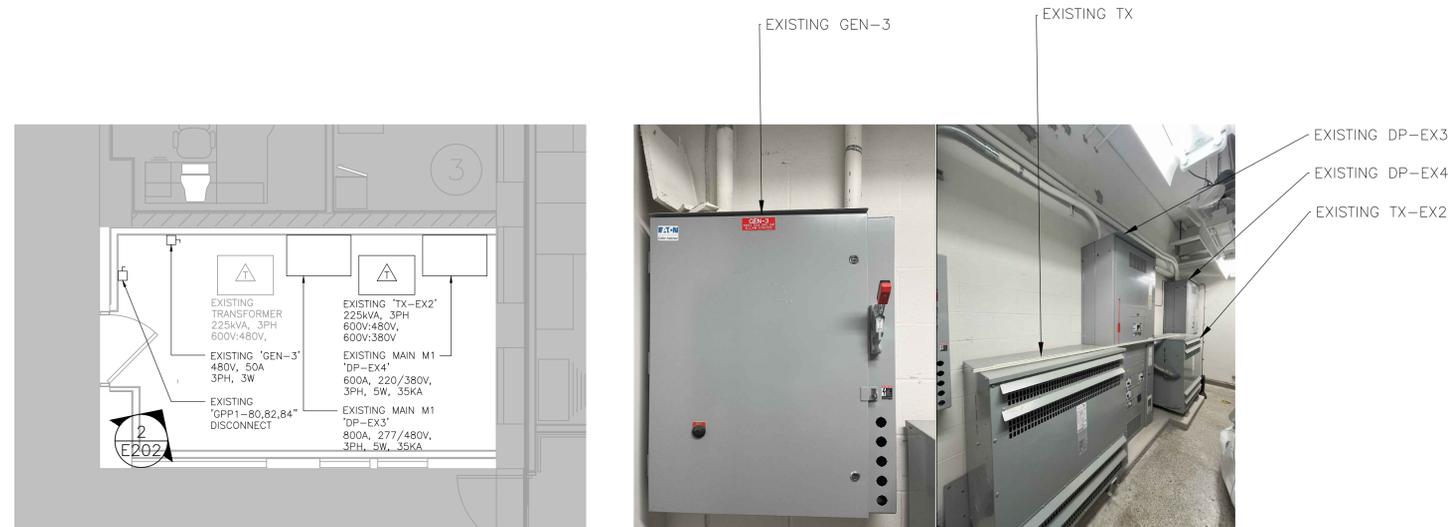


Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

Title  
**ENLARGED ELECTRICAL ROOM**

Project No.	Scale	
140023034	N.T.S.	
Drawing No.	Sheet	Revision



1 ENLARGED EXISTING ELECTRICAL ROOM G.2521  
E202 1:50

2 EXISTING ELECTRICAL EQUIPMENT (ROOM G.2521)  
E202 N.T.S.



3 EXISTING MAIN M1 DP-EX3  
E202 N.T.S.



4 EXISTING TX-E2  
E202 N.T.S.



5 EXISTING MAIN M1 DP-EX4  
E202 N.T.S.

\\s02024-projects\shared\_projects\140023034\working\_files\10\_electrical\01\_cad\01\_sheets\E202-ENLARGED ELECTRICAL ROOM - FITOUT.dwg  
2025/04/04 09:50 PM BY: Wang, Emma

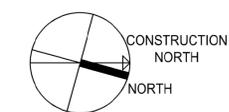
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North Arrow



Revision	By	Appd.	YY.MM.DD
5	MC	IB	25.05.09
4	MC	IB	25.05.02
3	MC	IB	25.04.07
2	MC	IB	25.02.21
1	MC	IB	24.11.27

Issued	By	Appd.	YY.MM.DD
	VW/MC	IB	24.09.11
	Dsn.	Chkd.	Dsgn.

Permit-Seal



Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**  
  
3050 Lawrence Ave East, Scarborough, Ontario

Title  
**PARTIAL SINGLE LINE DIAGRAM**

Project No.	Scale
140023034	N.T.S.

Drawing No.	Sheet	Revision
E301	8	of 13

**LEGEND**

	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW/PART OF SCOPE OF WORK

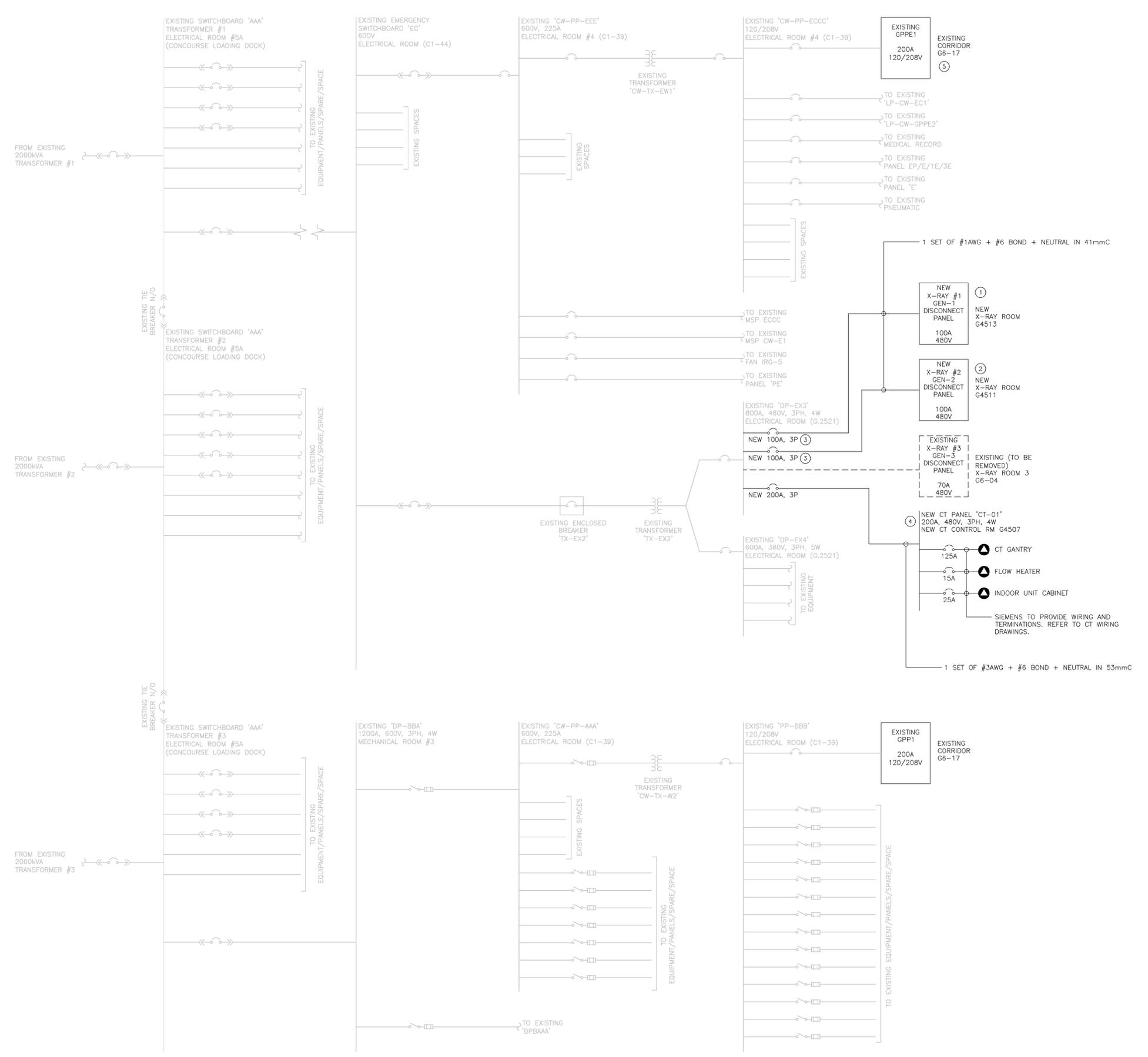
**PARTIAL SINGLE LINE DIAGRAM GENERAL NOTES**

- NOT ALL EXISTING EQUIPMENT, CONDUITS, WIRES, AND BREAKERS ARE SHOWN.
- ALL WIRES FED FROM EMERGENCY PANELS TO BE 2HR FIRE RATED.

**PARTIAL SINGLE LINE KEY NOTES**

- REMOVE AND REPLACE EXISTING X-RAY GEN-1 DISCONNECT PANEL WITH NEW 100A DISCONNECT PANEL FOR NEW X-RAY MACHINE. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED CARESTREAM X-RAY SHOP DRAWINGS.
- REMOVE AND REPLACE EXISTING X-RAY GEN-2 DISCONNECT PANEL WITH NEW 100A DISCONNECT PANEL FOR NEW X-RAY MACHINE. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED CARESTREAM X-RAY SHOP DRAWINGS.
- SHUNT TRIP BREAKER TO BE PROVIDED AND CONTROLLED BY DEDICATED EMERGENCY OFF SWITCH. REFER TO E200 FOR EMERGENCY OFF SWITCH LOCATION.
- NEW CT PANEL. CONTRACTOR TO DISCONNECT EXISTING CT PANEL AND INSTALL NEW CT DISCONNECT PANEL FED FROM DP-EX3. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED SIEMENS CT SHOP DRAWINGS.

(5) NOT USED



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 2025/05/09 5:41 PM By: Bbbsr, loona

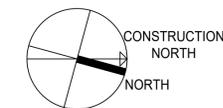
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North Arrow



Revision	By	Appd.	YY.MM.DD
4	MC	IB	25.05.02
3	MC	IB	25.04.07
2	MC	IB	25.02.21
1	MC	IB	24.11.27

Issued	By	Appd.	YY.MM.DD
	VW/MC	IB	24.09.11
	Dwn.	Chkd.	Dsgn.

Permit-Seal



Client/Project

SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION

3050 Lawrence Ave East, Scarborough, Ontario

Title  
PARTIAL SINGLE LINE DIAGRAM

Project No.	Scale
140023034	N.T.S.

Drawing No.	Sheet	Revision
E301	8	of 13

LEGEND

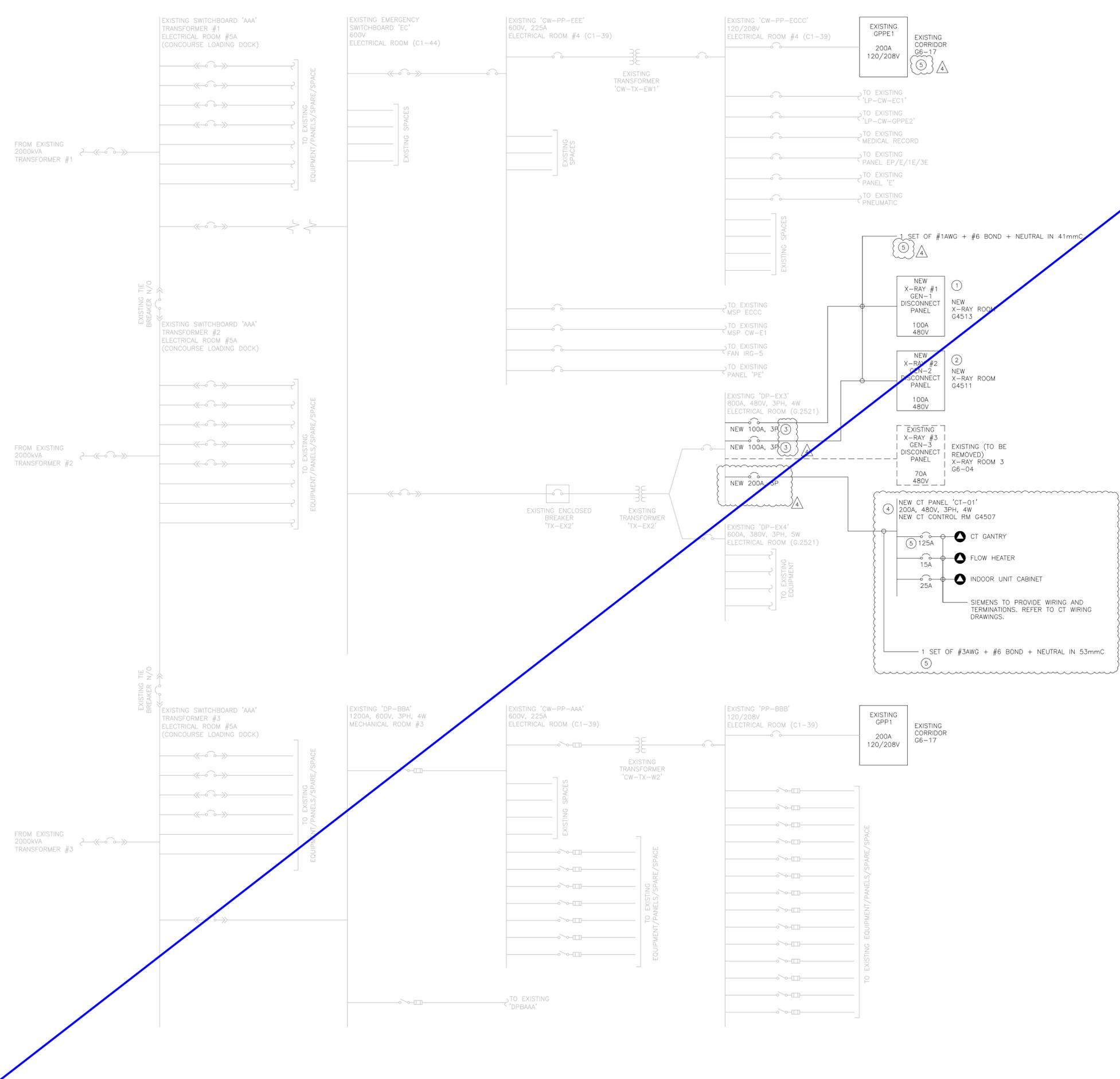
- EXISTING TO REMAIN
- - - EXISTING TO BE REMOVED
- NEW/PART OF SCOPE OF WORK

PARTIAL SINGLE LINE DIAGRAM GENERAL NOTES

1. NOT ALL EXISTING EQUIPMENT, CONDUITS, WIRES, AND BREAKERS ARE SHOWN.
2. ALL WIRES FED FROM EMERGENCY PANELS TO BE 2HR FIRE RATED.

PARTIAL SINGLE LINE KEY NOTES

1. REMOVE AND REPLACE EXISTING X-RAY GEN-1 DISCONNECT PANEL WITH NEW 100A DISCONNECT PANEL FOR NEW X-RAY MACHINE. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED CARESTREAM X-RAY SHOP DRAWINGS.
2. REMOVE AND REPLACE EXISTING X-RAY GEN-2 DISCONNECT PANEL WITH NEW 100A DISCONNECT PANEL FOR NEW X-RAY MACHINE. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED CARESTREAM X-RAY SHOP DRAWINGS.
3. SHUNT TRIP BREAKER TO BE PROVIDED AND CONTROLLED BY DEDICATED EMERGENCY OFF SWITCH. REFER TO E200 FOR EMERGENCY OFF SWITCH LOCATION.
4. NEW CT PANEL. CONTRACTOR TO DISCONNECT EXISTING CT PANEL AND INSTALL NEW CT DISCONNECT PANEL FED FROM DP-EX3. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED SIEMENS CT SHOP DRAWINGS.
5. WIRES FED FROM EMERGENCY PANEL TO BE 2HR FIRE RATED.



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 2025/05/01 5:21 PM By: Chen, Megan

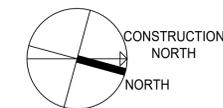
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**North Arrow**



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3	MC	IB	25.04.07
2	MC	IB	25.02.21
1	MC	IB	24.11.27
<b>Issued</b>	By	Appd.	YY.MM.DD
File Name:	VW/MC Dwn.	IB Chkd.	VW/MC Dsgn.
			24.09.11 YY.MM.DD

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**Client/Project**

**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

**Title  
PARTIAL SINGLE LINE DIAGRAM**

Project No. 140023034	Scale N.T.S.
Drawing No. E301	Sheet 8 of 13
Revision	

**LEGEND**

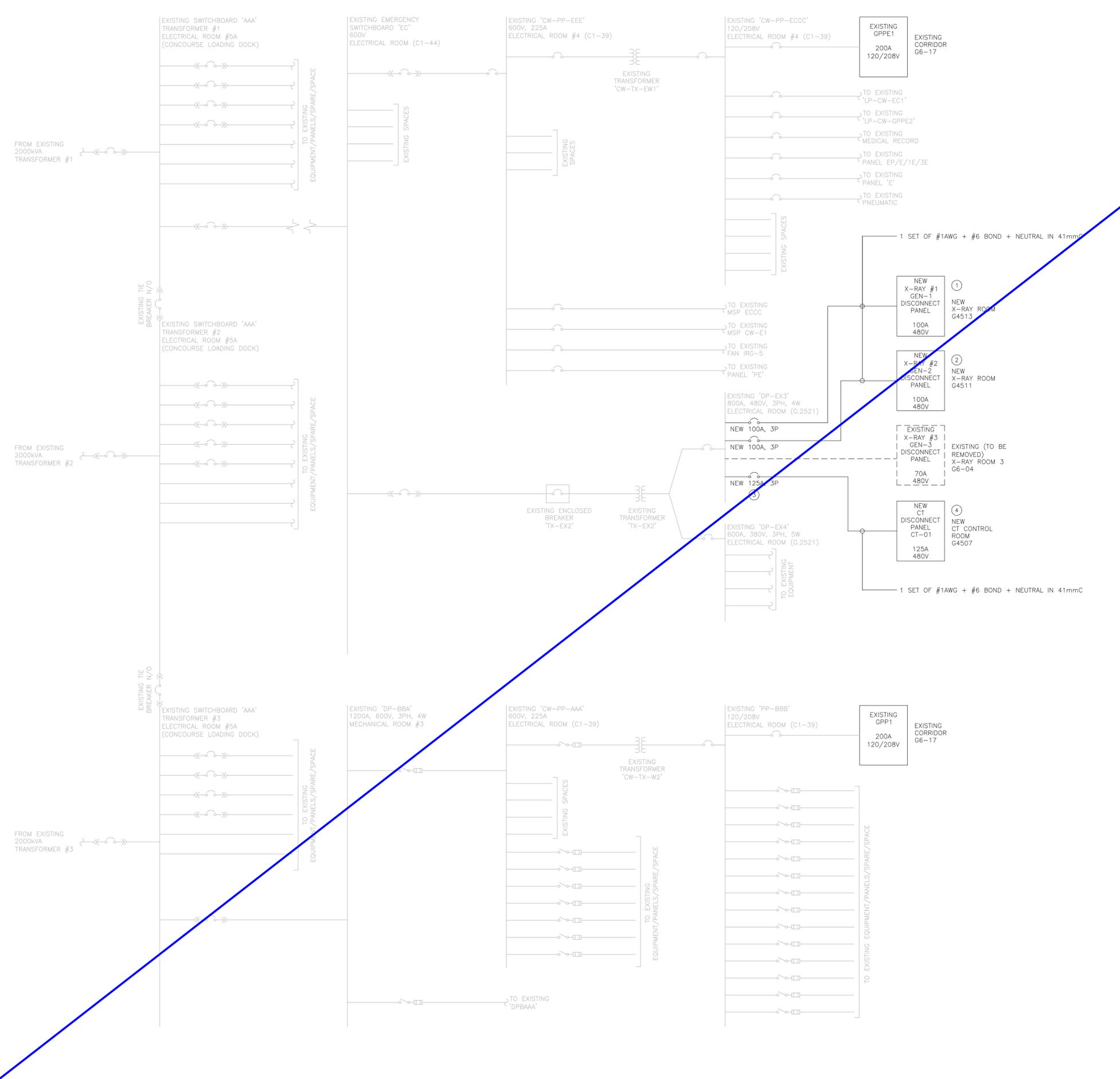
—	EXISTING TO REMAIN
- - - - -	EXISTING TO BE REMOVED
---	NEW/PART OF SCOPE OF WORK

**PARTIAL SINGLE LINE DIAGRAM GENERAL NOTES**

1. NOT ALL EXISTING EQUIPMENT, CONDUITS, WIRES, AND BREAKERS ARE SHOWN.

**PARTIAL SINGLE LINE KEY NOTES**

- REMOVE AND REPLACE EXISTING X-RAY GEN-1 DISCONNECT PANEL WITH NEW 100A DISCONNECT PANEL FOR NEW X-RAY MACHINE. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED CARESTREAM X-RAY SHOP DRAWINGS.
- REMOVE AND REPLACE EXISTING X-RAY GEN-2 DISCONNECT PANEL WITH NEW 100A DISCONNECT PANEL FOR NEW X-RAY MACHINE. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED CARESTREAM X-RAY SHOP DRAWINGS.
- SHUNT TRIP BREAKER TO BE CONNECTED TO EMERGENCY STOP BUTTONS LOCATED IN CT ROOM.
- NEW CT DISCONNECT PANEL. CONTRACTOR TO DISCONNECT EXISTING CT PANEL AND INSTALL NEW CT DISCONNECT PANEL FED FROM DP-EX3. ELECTRICAL CONTRACTOR TO CONFIRM DISCONNECT PANEL SIZE WITH APPROVED SIEMENS CT SHOP DRAWINGS.

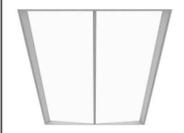
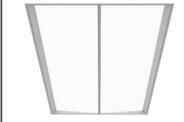


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 2025/04/04 5:03 PM By: Wong, Emma

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### LUMINAIRE SCHEDULE

IMAGE	TYPE	LAMP SOURCE	DESCRIPTION	FINISH	VOLTAGE (V)	WATTAGE (W)	MOUNTING TYPE	MANUFACTURER CATALOGUE NUMBER OR EQUAL APPROVED	LOCATION
	L1	LED 4140 LM (AMBIENT) LED 8280 LM (EXAM), LED 741 LM (READING), 3500K CRI 90+	RECESSED 2X4 MULTIFUNCTION LED LUMINAIRE. AMBIENT, EXAM, AND READING FUNCTIONS. FIXTURE TO MEET SEISMIC STANDARDS.	WHITE	Standard 120V, 1% Dimming, 0-10V	37 W (AMBIENT) 80 W (EXAM) 9W (READING)	RECESSED/GRID	AMICO - 2X4 SOLAR ECLIPSE KENALL - 2X4 MEDMASTER PACO - 2X4 MRP2  OR approved equal	STRETCHER HOLDING STRETCHER ALCOVE ULTRASOUND
	L2A	LED 4308lm 129lm/W CCT 3500K CRI 90+	RECESSED GRID 2X4 LED LUMINAIRE. FIXTURE TO MEET SEISMIC STANDARDS.	WHITE	Standard 120V, 1% Dimming, 0-10V	33W	RECESSED/GRID	COLUMBIA VERSIFY LITHONIA LIGHTING - 2BLT4 SIGNIFY - DAYBRITE FORMFLEX 2X4 METALUX - ENCOUNTER  OR approved equal	TEAM ROOM STRETCHER ALCOVE
	L2B	LED 3212lm 128lm/W CCT 3500K CRI 90+	RECESSED GRID 2X4 LED LUMINAIRE. FIXTURE TO MEET SEISMIC STANDARDS.	WHITE	Standard 120V, 1% Dimming, 0-10V	25W	RECESSED/GRID	COLUMBIA VERSIFY LITHONIA LIGHTING - 2BLT4 SIGNIFY - DAYBRITE FORMFLEX 2X4 METALUX - ENCOUNTER  OR approved equal	STRETCHER HOLDING CORRIDOR
	L3A	LED 2059lm 92lm/W CCT 3500K CRI 90+	4" Round Downlight, 2000 lumens, 3500K, 90+ CRI, Wide, Specular Clear. Fixture to meet seismic standards.	WHITE	Standard 120V, 1% Dimming, 0-10V	22.5W	RECESSED/GRID	PRESCOLITE - LITEISTRY SIGNIFY - LIGHTOLIER CALCULITE GOTHAM EVO 4" ROUND DOWNLIGHT LITHONIA - LDN4 ROUND SERIES  OR approved equal	X-RAY ROOM CONTROL ROOM CT SCAN CT EQUIPMENT
	L3B	LED 1062lm 89lm/W CCT 3500K CRI 90+	4" Round Downlight, 1000 lumens, 3500K, 90+ CRI, Wide, Specular Clear. Fixture to meet seismic standards.	WHITE	Standard 120V, 1% Dimming, 0-10V	12W	RECESSED/GRID	PRESCOLITE - LITEISTRY SIGNIFY - LIGHTOLIER CALCULITE GOTHAM EVO 4" ROUND DOWNLIGHT LITHONIA - LDN4 ROUND SERIES  OR approved equal	ULTRASOUND X-RAY ROOM CT SCAN WASHROOM G4503 WASHROOM G4518
	L4	LED EDGE LIT	WALL MOUNTED EDGELIT SIGN WITH CUSTOM WORDING "RADIATION ON" SIGN. FIXTURE TO BE COMPATIBLE WITH CT/XRAY SYSTEM. REFER TO DETAILS FOR WIRING TO CT/XRAY EQUIPMENT. FIXTURE TO MEET SEISMIC STANDARDS.	WHITE	Standard 120V	2.2W	WALL MOUNT	CURRENT - DUAL LITE LED LUMACELL - LHV SERIES (SPECIAL WORDING AVAILABLE)  OR approved equal	CT ROOM X-RAY ROOM
	L5	LED 1740 LMS 3000K CRI 90+	24" WALL MOUNTED WASHROOM VANITY FIXTURE. FIXTURE TO MEET SEISMIC STANDARDS.	WHITE	Standard 120V	18 W	WALL MOUNT	LITHONIA LIGHTING - CONTEMPORARY CYLINDER OR SQUARE VANITY ARCHER VANITY - PATIENT WASHROOM FIXTURE  OR approved equal	WASHROOM G4503 WASHROOM G4518
	X1	LED EDGE LIT	ALUMINUM SLIM EDGE-LIT PICTOGRAM EXIT SIGN. UNIVERSAL MOUNTING (WALL, CEILING, OR END MOUNT). SINGLE OR DOUBLE FACE OPTIONS.	WHITE	Standard 120V	4W	UNIVERSAL MOUNTING AS INDICATED ON DRAWINGS	EMERGI-LITE EAE SERIES LUMACELL LAE SERIES READY-LITE RAE SERIES AIMLITE RPES FIXTURE  OR approved equal	CORRIDOR

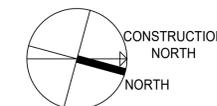
NOTES:

- CONTRACTOR TO CONFIRM ALL CATALOGUE NUMBERS WITH THE LUMINAIRE DETAILS AND THE MANUFACTURER PRIOR TO ORDERING
- ALL LED LUMINAIRES SHALL CONFORM WITH CSA & cUL.
- ALL LUMINAIRES SHALL MEET THE GENERAL REQUIREMENTS OF THE SPECIFICATIONS
- ALL FINISHES SHALL BE CONFIRMED BY ARCHITECTS PRIOR TO ORDERING
- ALTERNATIVE LUMINAIRES MUST HAVE THE SAME LIGHTING CHARACTERISTICS (WATTAGE, EFFICACY AND EFFICIENCY, SAME LUMEN OUTPUT, ETC.) TO BE CONSIDERED.

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North Arrow



Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27
Issued		By	Appd. YY.MM.DD
File Name:		VW/MC	IB VW/MC 24.09.11
		Dwn.	Chkd. Dsgn. YY.MM.DD

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Client/Project

SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION

3050 Lawrence Ave East, Scarborough, Ontario

Title  
LUMINAIRE SCHEDULE

Project No.	Scale	
140023034	N.T.S.	
Drawing No.	Sheet	Revision

E302

9 of 13





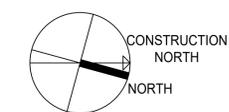
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Keyplan

North Arrow



Revision	By	Appd.	YY.MM.DD
4	ISSUED FOR ADDENDUM 1	MC	IB 25.05.02
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27

Issued By Appd. YY.MM.DD

File Name: VW/MC IB VW/MC 24.09.11  
Dwn. Chkd. Dsgn. YY.MM.DD

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Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

Title  
**CT WIRING DETAILS**

Project No.	Scale
140023034	N.T.S.

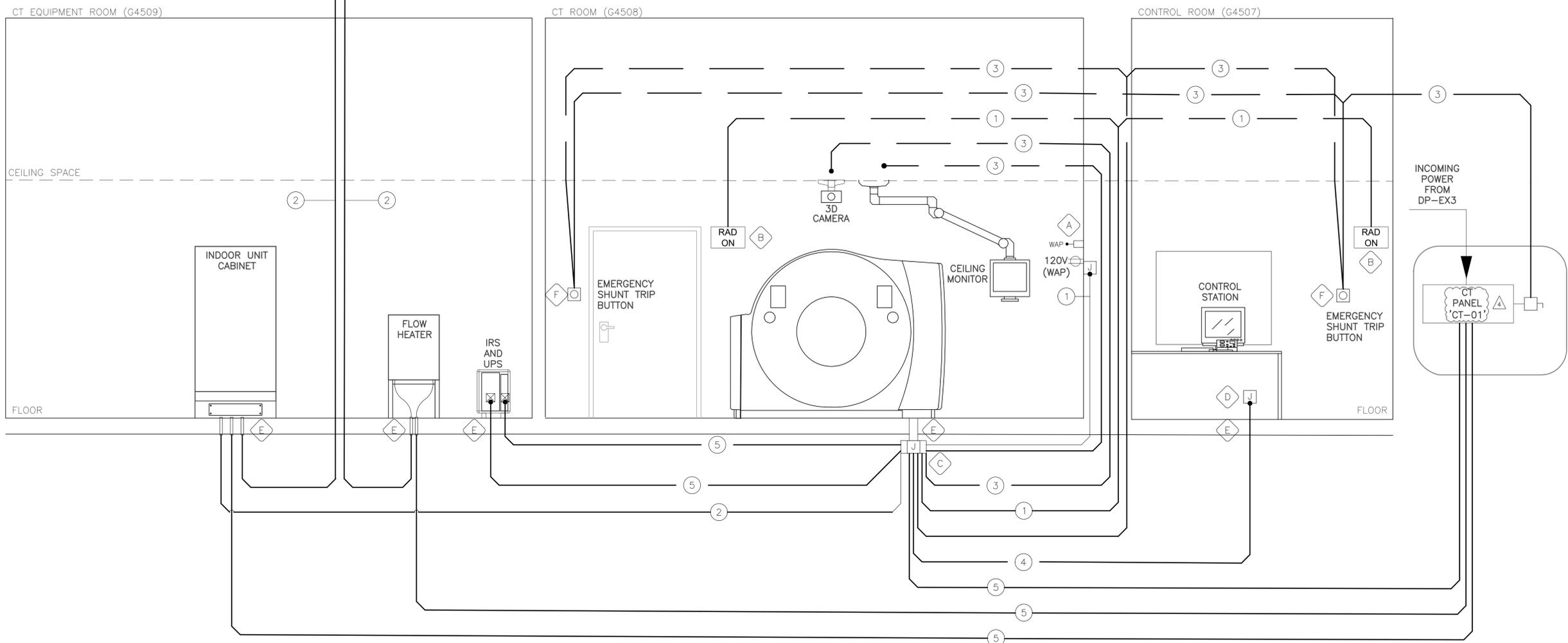
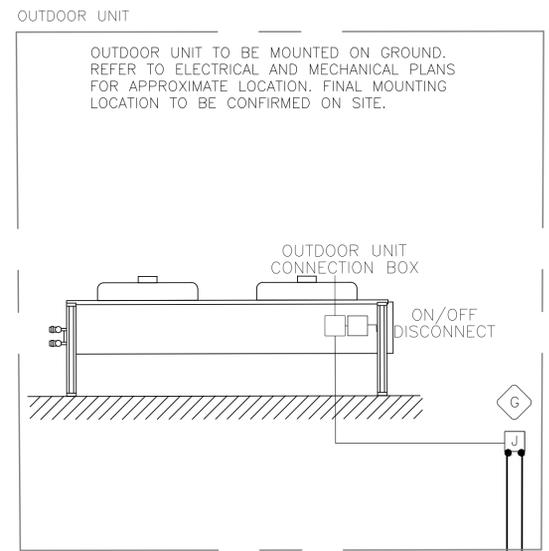
Drawing No.	Sheet	Revision
E304	11	of 13

CT WIRING DIAGRAM GENERAL NOTES:

- ELECTRICAL CONTRACTOR TO FOLLOW SIEMENS CT EQUIPMENT INSTALLATION DRAWINGS FOR FINAL LOCATION AND SIZE OF BOXES AND CONDUIT RUNS.
- ELECTRICAL CONTRACTOR TO PROVIDE PULL BOXES, CONDUITS, RACEWAYS, FITTINGS, BUSHINGS, AND ALL OTHER ITEMS UNLESS OTHERWISE NOTED. ALL CONDUITS WHICH ARE LEFT EMPTY FOR THE CABLES SUPPLIED BY SIEMENS SHALL BE PROVIDED WITH GREENLEE CONDUIT MEASURING TAPE (CAT. #N435 OR EQUIVALENT). ELECTRICAL CONTRACTOR TO COORDINATE FINAL FEEDER REQUIREMENTS WITH SIEMENS PRIOR TO CONSTRUCTION.

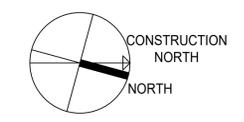
- PROVIDE 1" CONDUIT.
- PROVIDE 1½" CONDUIT.
- PROVIDE 2" CONDUIT.
- PROVIDE 2 X 2" CONDUIT.
- PROVIDE 3" CONDUIT.

- A PROVIDE TWO GANG BACK BOX AND ONE (1) 120V, 1P, 15A DUPLEX RECEPTACLE MOUNTED AT 2000mm FOR WAP. FINAL LOCATION AND MOUNTING HEIGHT TO BE COORDINATED ON SITE.
- B PROVIDE 'RADIATION ON' INDICATOR SIGN (LUMINAIRE TYPE L4) WITH ASSOCIATED BACKBOX.
- C PROVIDE ONE (1) PULL BOX IN THE CEILING FLOOR BELOW. REFER TO MANUFACTURER AND STRUCTURAL DRAWINGS FOR CORING REQUIREMENTS. FINAL LOCATION TO BE COORDINATED WITH STRUCTURAL ENGINEER.
- D PROVIDE ONE (1) PULL BOX 1' A.F.F. FLUSH IN WALL.
- E THROUGH FLOOR CONDUIT PENETRATIONS. CORE AND FIRESTOP PENETRATIONS.
- F PROVIDE EMERGENCY SHUNT TRIP PUSH BUTTON. FINAL CONFIGURATION TO BE CONFIRMED ON SITE. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL WIRING AND CONDUIT BETWEEN THE PUSH BUTTON AND MAIN DISCONNECT.
- G PROVIDE WEATHERPROOF PULL BOX WITH SPLIT REMOVABLE COVER FOR OUTDOOR UNIT. CONTRACTOR TO PROVIDE 2" WATERTIGHT FLEX CONDUIT TO CONNECT OUTDOOR UNIT TO SIEMENS PROVIDED SERVICE SWITCH.



1 CT POWER DISTRIBUTION DIAGRAM  
E303 N.T.S.

\\s024-pfs01\shared\_projects\140023034\0\_electrical\01\_cad\01\_sheets\E304-CT WIRING DETAILS.dwg 2025/05/01 5:21 PM By: Chen, Megan



Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27
<b>Issued</b>			
File Name:	VW/MC	IB	VW/MC 24.09.11
	Dwn.	Chkd.	Dsgn. YY.MM.DD



Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**

3050 Lawrence Ave East, Scarborough, Ontario

Title  
**CT WIRING DETAILS**

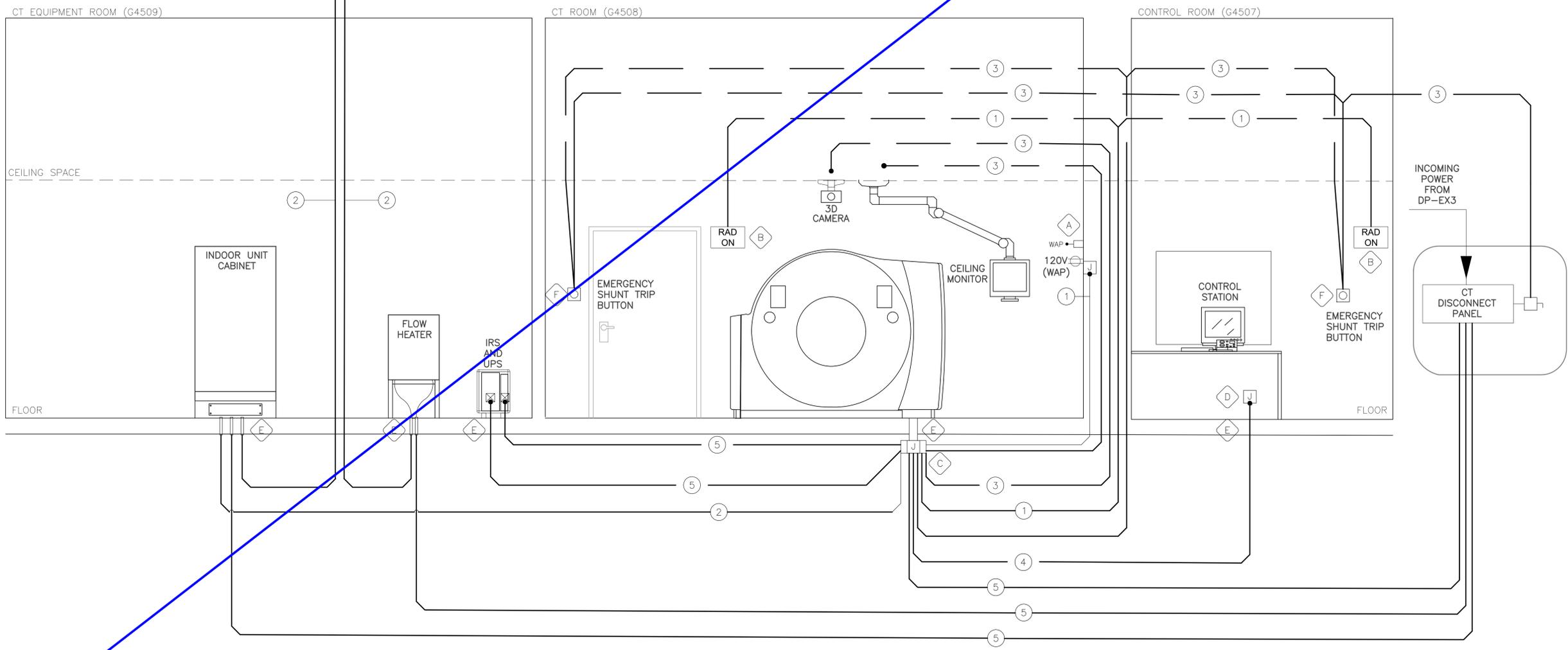
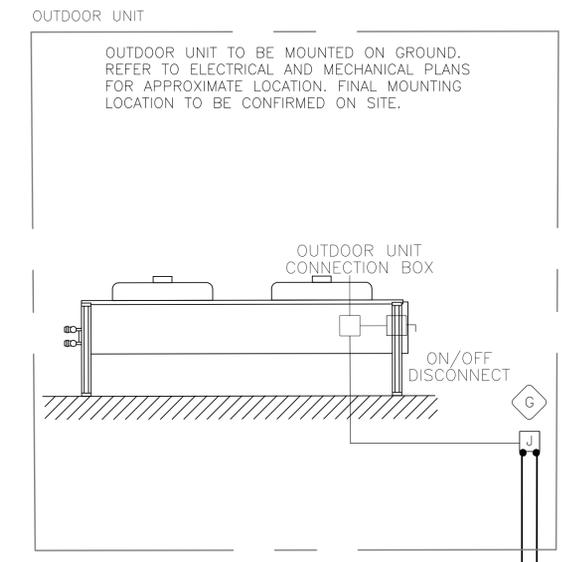
Project No.	Scale	
140023034	N.T.S.	
Drawing No.	Sheet	Revision
E304	11	of 13

CT WIRING DIAGRAM GENERAL NOTES:

- ELECTRICAL CONTRACTOR TO FOLLOW SIEMENS CT EQUIPMENT INSTALLATION DRAWINGS FOR FINAL LOCATION AND SIZE OF BOXES AND CONDUIT RUNS.
- ELECTRICAL CONTRACTOR TO PROVIDE PULL BOXES, CONDUITS, RACEWAYS, FITTINGS, BUSHINGS, CABLES, AND ALL OTHER ITEMS UNLESS OTHERWISE NOTED. ALL CONDUITS WHICH ARE LEFT EMPTY FOR THE CABLES SUPPLIED BY SIEMENS SHALL BE PROVIDED WITH GREENLEE CONDUIT MEASURING TAPE (CAT. #N435 OR EQUIVALENT). ELECTRICAL CONTRACTOR TO COORDINATE FINAL FEEDER REQUIREMENTS WITH SIEMENS PRIOR TO CONSTRUCTION.

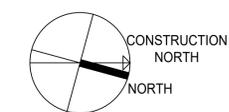
- PROVIDE 1" CONDUIT.
- PROVIDE 1/2" CONDUIT.
- PROVIDE 2" CONDUIT.
- PROVIDE 2 X 2" CONDUIT.
- PROVIDE 3" CONDUIT.

- A PROVIDE TWO GANG BACK BOX AND ONE (1) 120V, 1P, 15A DUPLEX RECEPTACLE MOUNTED AT 2000mm FOR WAP. FINAL LOCATION AND MOUNTING HEIGHT TO BE COORDINATED ON SITE.
- B PROVIDE 'RADIATION ON' INDICATOR SIGN (LUMINAIRE TYPE L4) WITH ASSOCIATED BACKBOX.
- C PROVIDE ONE (1) PULL BOX IN THE CEILING FLOOR BELOW. REFER TO MANUFACTURER AND STRUCTURAL DRAWINGS FOR CORING REQUIREMENTS. FINAL LOCATION TO BE COORDINATED WITH STRUCTURAL ENGINEER.
- D PROVIDE ONE (1) PULL BOX 1' A.F.F. FLUSH IN WALL.
- E THROUGH FLOOR CONDUIT PENETRATIONS. CORE AND FIRESTOP PENETRATIONS.
- F PROVIDE EMERGENCY SHUNT TRIP PUSH BUTTON. FINAL CONFIGURATION TO BE CONFIRMED ON SITE. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL WIRING AND CONDUIT BETWEEN THE PUSH BUTTON AND MAIN DISCONNECT.
- G PROVIDE WEATHERPROOF PULL BOX WITH SPLIT REMOVABLE COVER FOR OUTDOOR UNIT. CONTRACTOR TO PROVIDE 2" WATERTIGHT FLEX CONDUIT TO CONNECT OUTDOOR UNIT TO SIEMENS PROVIDED SERVICE SWITCH.



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2025/04/04 5:05 PM By: Wang, Emma

1 CT POWER DISTRIBUTION DIAGRAM  
E303 N.T.S.



Revision	By	Appd.	YY.MM.DD
3	ISSUED FOR TENDER AND PERMIT	MC	IB 25.04.07
2	ISSUED FOR CLIENT REVIEW	MC	IB 25.02.21
1	ISSUED FOR CLASS C COSTING	MC	IB 24.11.27
Issued		By	Appd. YY.MM.DD
File Name:	VW/MC	IB	VW/MC 24.09.11
	Dwn.	Chkd.	Dsgn. YY.MM.DD

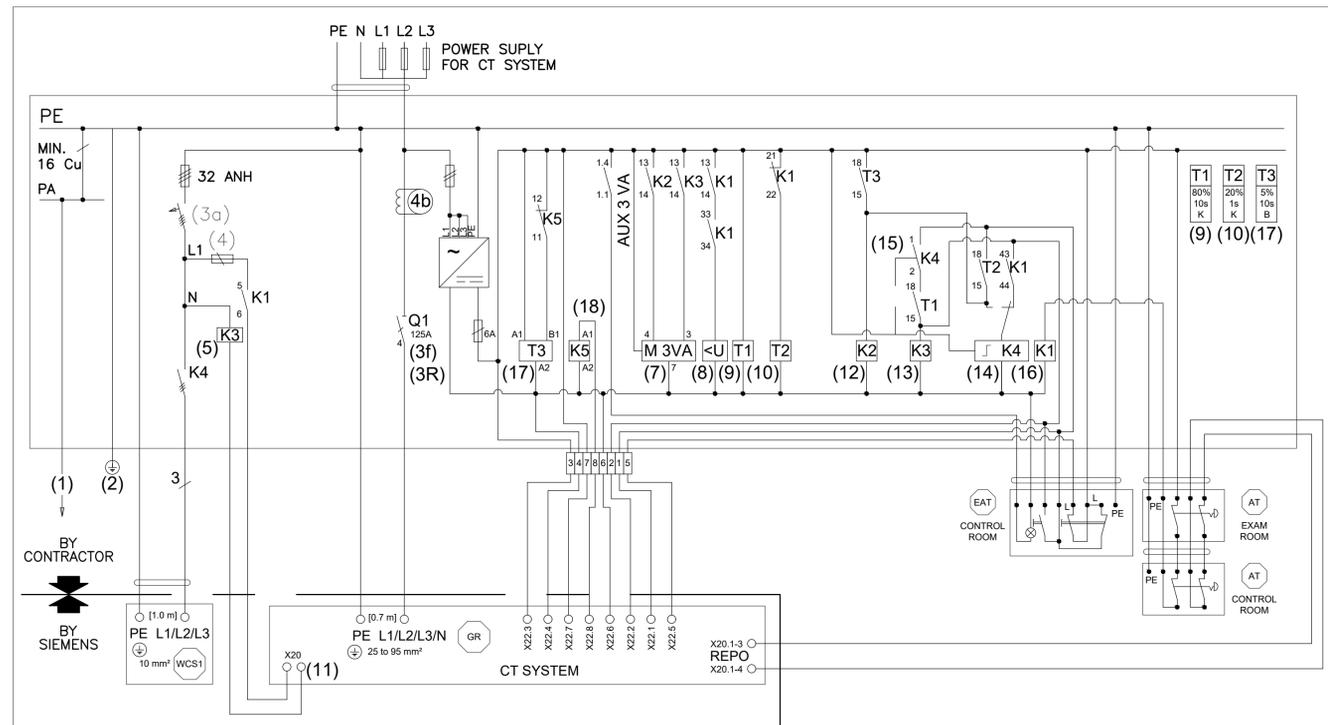
Permit-Seal



Client/Project  
**SCARBOROUGH HEALTH NETWORK  
GENERAL HOSPITAL  
SATELLITE IMAGING RENOVATION**  
  
3050 Lawrence Ave East, Scarborough, Ontario

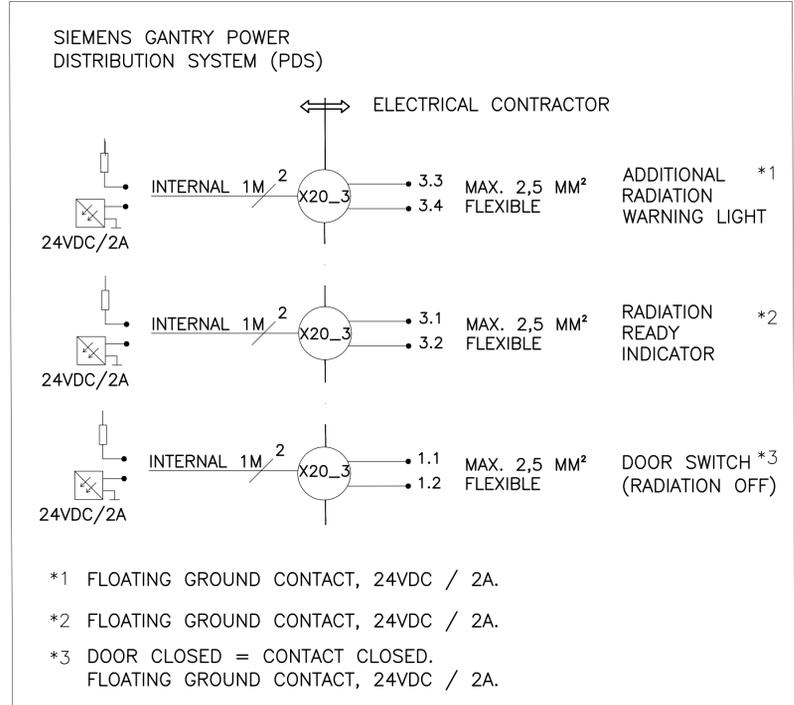
Title  
**CT WIRING DETAILS**

Project No. 140023034	Scale N.T.S.
Drawing No. <b>E305</b>	Sheet 13
Revision	



- (1) TO EXTERNAL CONDUCTIVE PARTS.
  - (2) TEST JACK 4MM PIN PLUG.
  - (3A) RCD; TYPE B; UN=380 VAC TO 480 VAC; IN=35A; RESIDUAL CURRENT=30 MA; ACCORDING TO LOCAL AND NATIONAL REGULATIONS.
  - (3E) CIRCUIT BREAKER, 100 A, SIEMENS 3VA1110-4ED46-0AA0.
  - (4) FUSES; ACCORDING TO LOCAL AND NATION REGULATIONS.
  - (4B) SUMMATION CURRENT TRANSFORMER FOR MRCD-B ATTACHED TO SIEMENS CIRCUIT BREAKER 55V8702-2KP.
  - (5) CONTACTOR/POWER RELAY; ACCORDING TO THE ELECTRICAL DATA AND THE LOCAL AND NATIONAL REGULATIONS.
  - (6) AUXILIARY SWITCH CHANGEOVER CONTACTS ATTACHED TO SIEMENS CIRCUIT BREAKER 3VA9988-0AA12.
  - (7) SIDE MOUNTED MOTOR ATTACHED TO CIRCUIT BREAKER, 3 VA 24 V DC 3VA9117-0HB10.
  - (8) UNDERVOLTAGE RELEASE FOR MCCB ATTACHED TO SIEMENS CIRCUIT BREAKER 3VA9908-0BB11.
  - (9) TIMING RELAY, 3RP2505-2AB30.
  - (10) TIMING RELAY, SIEMENS 3RP2505-2AB30.
  - (11) CONNECTION IN PDC (COOLING SYSTEM ON/OFF; CONNECTOR X20) TO FLOATING GROUND RELAY SWITCH CONTACT; LOAD: 230 VAC/2 A OR 24 VDC/2 A; ON-SITE CABLE; ONLY REQUIRED IF USING WATER/AIR-SPLIT OPTION.
  - (12) CONTACTOR RELAY, 24 V DC 3RH2131-2BB40.
  - (13) CONTACTOR RELAY, 24 V DC 3RH2131-2BB40.
  - (14) REMOTE CONTROL SWITCH, SIEMENS 5TT4417-5.
  - (15) AUXILIARY CURRENT SWITCH FOR 5TT4417-5 SIEMENS 5TT4930.
  - (16) CONTACTOR RELAY, 24 V DC 3RH2131-2BB40.
  - (17) TIMING RELAY, SIEMENS 3RP2505-2AB30.
  - (18) OUTPUT COUPLER RELAY COUPLER, SIEMENS 3RQ3018-2AM08-0AA0 (K5).
- AT EMERGENCY OFF BUTTON WITH LOCKING MECHANISM.  
EAT ON-OFF BUTTON WITH PILOT LAMP.  
GR GANTRY
- ELECTRICAL CONTRACTOR TO FOLLOW SIEMENS CT EQUIPMENT INSTALLATION DRAWINGS FOR FINAL LOCATION AND SIZE OF BOXES AND CONDUIT RUNS.

(FOR REFERENCE ONLY)



2 CT CONTACTS FOR EXTERNAL CONNECTIONS  
E304 N.T.S.

CT WIRING DIAGRAM GENERAL NOTES:

- ELECTRICAL CONTRACTOR TO FOLLOW SIEMENS CT EQUIPMENT INSTALLATION DRAWINGS FOR FINAL LOCATION AND SIZE OF BOXES AND CONDUIT RUNS.
- ELECTRICAL CONTRACTOR TO PROVIDE PULL BOXES, CONDUITS, RACEWAYS, FITTINGS, BUSHINGS, CABLES, AND ALL OTHER ITEMS UNLESS OTHERWISE NOTED. ALL CONDUITS WHICH ARE LEFT EMPTY FOR THE CABLES SUPPLIED BY SIEMENS SHALL BE PROVIDED WITH GREENLEE CONDUIT MEASURING TAPE (CAT. #N435 OR EQUIVALENT). ELECTRICAL CONTRACTOR TO COORDINATE FINAL FEEDER REQUIREMENTS WITH SIEMENS PRIOR TO CONSTRUCTION.

1 CT POWER DISTRIBUTION DIAGRAM  
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