DCYT Architecture
Douglas Cheung Y. T. Architect AIBC
Healthcare . Commercial . Residential . Interior Design

TENDER ADDENDUM

Project:	**UHN Interventional Fluoroscopy Replacement** **University Hospital of Northern British Columbia** **1475 Edmonton Street,** **Prince George, BC V2M 1S2**	Tender Addendum #: DCTYA Project #: NHA Project #: Issued By:	**01** **2009** **N662050005** **Douglas Cheung**
To:	**All Bidders**	Issue Date:	**Feb 23, 2021**
Copies To:	**Leah Joseph / Northern Health Authority**		

The following information supplements and/or supersedes the "Issued for Tender" drawings issued for the above project dated **February 10, 2021.**

This Addendum forms part of the contract documents and is to be read, interpreted, and co-ordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof.

ITEM:	DESCRIPTIONS	DWGS OR PAGES ATTACHED
1.	Tender RFI-01 :	

Question –

a. Re details on E4.01 - The Gas alarm and Master panels and those long 10c16 control cabling runs indicated, those all fall under mechanical scope of work, is that correct? Not being familiar with this type of stuff, it seems to me that this is Mechanical scope. There's also notes on the Mechanical drawings indicating they are to supply/install alarm panels. As well as Mech drawing M2-104 shows all the same work

Response – The control wiring shown on drawing E4.01 is within the electrical scope of work. Mechanical contractor will supply and install the alarm panels.

b. Do you happen to have a photo of SD 3A-1and Panel E2E where we need to install new breakers? Just trying to confirm the Mfgr for our supplier.

Response – Panel SD3A-1 is an Eaton PowerLine C & Panel E2E is a Federal Pioneer NBLP.

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2. Architectural :

2.1. A cash allowance for the following purchase is to be included in the contract:

a. Medical storage cabinets : $30,000

2.2. For a list of bidders who attended the mandatory site visit, see attached scanned document

2.3. Lead Shielding Report – see attached

2.4. See attached Dwg A2.02 – Level 1 – Demo & Framing Plan, for revisions to wall tags, the inclusion of additional dimensions regarding the extent of existing shielding, and demolition key notes.

2.5. See attached Dwg A2.03 – Level 1 – Furniture, Equip. & Finishes Plan, for millwork revisions.

2.6. See attached Dwg A5.01 – Wall & Window Schedules, for revised wall schedule.

2.7. See attached Dwg A5.02 – Door hardware, Finishes & Room Schedule, for revised door hardware schedule.

2.8. See attached Dwg A6.01 & A6.02 – Millwork, for millwork revisions.

3. Structural :

3.1. See attached Structural Addendum 1 for details

4. Mechanical :

4.1. See attached Mechanical Addendum 1 for details

5. Electrical :

5.1. See attached Electrical Addendum 1 for details

Attachments :

a.	List of Bidders, dated February 18, 2021	1 page
b.	Lead Shielding Report, dated February 18, 2021	5 pages
c.	DWG A2.02 – Level 1 – Demo & Framing Plan	1 page
d.	Dwg A2.03 – Level 1 – Furniture, Equip. & Finishes Plan	1 page
e.	Dwg A5.02 – Door hardware, Finishes & Room Schedule	1 page
f.	Structural Addendum 1	2 pages
g.	Mechanical Addendum 1	10 pages
h.	Electrical Addendum 1	2 pages

END

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Tender Walk-through – Bidders' List

Project: **Interventional Fluoroscopy Replacement**
University Hospital of Northern British Columbia
1475 Edmonton Street,
Prince George, BC V2M 1S2

Date: **Feb 18, 2021**

DCTYA Project #: **2009**

NAME	COMPANY	EMAIL
MARK JOHNSON	IDL Projects	Mjohnson@idlprojects.com
DALE SPEVIS	DATOFF BROS.	dale.jarvis@datoff.com
Adam Meier	Vector Projects group	estimating@VPg.ca
Shay Yates	Allrite Heating	shay@allritheating.com
Mike Gallagher	All Pro Plumbing	mikeg@apph.ca
Tyler Funk	Northern Electric	tyler@northernelectricltd.com
ANDRÉ DESGAGNÉ	HOULE	ANDRE.DESGAGNE@HOULE.CA
Ken Sasaki	IQ Builders Ltd	Ksasaki@pgonline.com
CHAD KINSLEY	RH SONNS & SON	CKINSLEY@RHSONS.CA
PHIL BOWMAN	HOULE	PBOWMAN@HOULE.CA

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TO: Leah Joseph, David Shields
UHNBC

18-Feb-2021

RE: UHNBC – New Interventional Fluoro

The shielding requirements for your New Interventional Fluoro are noted on the charts and drawings on the following pages. These requirements incorporate distances, occupancy levels of the adjacent rooms and spaces, maximum x-ray tube potential, exam workloads, and any other variables as provided and noted.

Where a barrier encompasses an entrance (designated E1, E2, etc. on the drawing), the entrance will require a door with the same shielding capabilities as the surrounding barrier.

Where a barrier encompasses a window (designated W1, W2, etc. on the drawing) which is typically used to separate the exposure control position from the exam room, then the window will need to be constructed of Pb-glass or sufficient plate glass, with the same shielding capabilities as the surrounding barrier.

For all barriers/walls, the shielding needs to extend from the floor to a height of 2.17 meters (7 feet) above the floor for each barrier (including the door).

A summary table describing the requirements for shielding using Pb and other materials is provided on the next page. Detailed shielding calculations for each barrier are also presented in the table and drawing on the following pages.

Should you have any questions regarding this report, please do not hesitate to contact our office, and we will be happy to assist you.

Sincerely,

Larry J Filipow, D.Phil.

Summary Table – MINIMUM Shielding

UHNBC - New Interventional Fluoro

Barrier / Wall	Required Shielding – Rolled Pb (weight in lbs)	OR: Required Shielding 5/8" Drywall Sheets	Door Shielding- Rolled Pb (weight in lbs)	Window Shielding - Equiv. Pb Thickness (mm)	Comments
Exp Con	1			0.38	See note below regarding 1 lb or odd lbs of Pb sheeting.
North	1		1		E2 in diagram. See note below regarding 1 lb or odd lbs of Pb sheeting.
East	2				
South	0		Standard steel door		E1 in diagram
West	1				See note below regarding 1 lb or odd lbs of Pb sheeting.

Contractor/Installer Information:

N.B.: Pb sheeting MUST be Rolled Pb, not forged or cast Pb.

Nominal Pb Weight - lbs*	1	1.5	2	2.5	3	3.5	3.75	4	5	6	8
Pb Thickness (mm)	0.40	0.60	0.79	1.00	1.19	1.39	1.50	1.58	1.98	2.38	3.17
Pb Thickness (inches)	1/64	3/128	1/32	5/128	3/64	7/128	15/256	1/16	5/64	3/32	1/8
Actual weight – lbs/square foot	0.92	1.38	1.85	2.31	2.76	3.22	3.48	3.69	4.6	5.53	7.38
Actual weight – kg/square meter	4.5	6.8	9.1	11.3	13.5	15.8	17	18.1	22.5	27.1	36.2

Typically, rolled Pb sheeting is sold in units of 1 pound (i.e.: 1, 2, 3, 4 lbs, etc.)

Most contractors find **1 lb Pb** thickness difficult to work with as the sheets are very flimsy and tear easily. **Odd lbs of Pb** are hard to source and are relatively expensive. Consequently, contractors often install 2 lb, 4 lb, or multiples of 2 lb Pb sheeting instead. This is perfectly acceptable - you can always shield more than what is called for.

Assumptions and references used in calculating shielding requirements:

1. All calculations and assumptions (except where noted below) based on protocols provided in **NCRP Report 147: Structural Shielding Design for Medical X-Ray Imaging Facilities.**

2. Only DI Staff are assumed to be Atomic Energy Workers; therefore design goals for all other occupied areas were deemed to be the same as for the general public, (i.e. P= 0.02 mGy/week maximum allowed exposure).

3. 0.3 meters added to all patient-barrier distances measured and calculated from layout drawings.

4. Pre-shielding (Grid, Image Receptor, Support) values for wall stand and cross table grid/cassette holders were utilized (where applicable).

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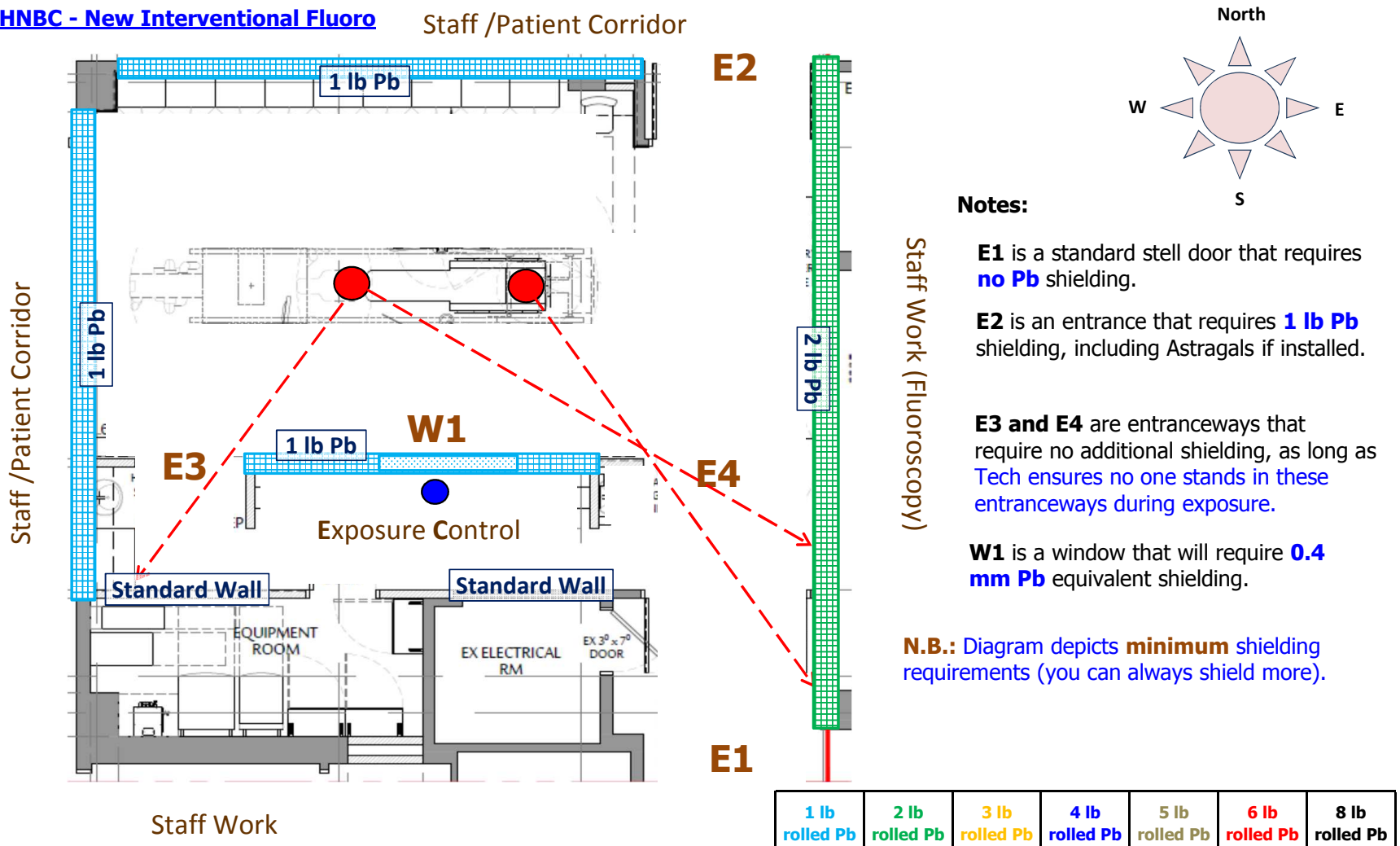
UHNBC - New Interventional Fluoro



Notes:

E1 is a standard stell door that requires **no Pb** shielding.

E2 is an entrance that requires **1 lb Pb** shielding, including Astragals if installed.

E3 and E4 are entranceways that require no additional shielding, as long as Tech ensures no one stands in these entranceways during exposure.

W1 is a window that will require **0.4 mm Pb** equivalent shielding.

N.B.: Diagram depicts **minimum** shielding requirements (you can always shield more).

Radiation scattering source (patient)
Direct scattering rays from source(s)
Line of sight by Operator

	1 lb rolled Pb	2 lb rolled Pb	3 lb rolled Pb	4 lb rolled Pb	5 lb rolled Pb	6 lb rolled Pb	8 lb rolled Pb
Barrier							
Door							
Window							

Detail - UHNBC - New Interventional Fluoro

Maximum Number of Patients per Week: 25

Maximum Workload: 376 mA-min/week

Maximum kVp used: Fluoro tube RF Room

Exposure Control	Barrier				
	North Barrier	East Barrier	South Barrier	West Barrier	
Controlled	Uncontrolled	Uncontrolled	Uncontrolled	Uncontrolled	Adjacent Space - Controlled areas: Radiation Workers; Uncontrolled areas: General Public
1.00	0.20	1.00	0.03	0.20	Adjacent Space - Occupancy Factor
N/A	N/A	N/A	N/A	N/A	Tube - Barrier distance in meters (only for Primary Beam configuration)
2.6	3.0	4.1	4.7	3.7	Patient - barrier distance in meters (for Scatter Radiation assessment)
0.00	0.00	0.00	0.00	0.00	Barrier Primary Beam Usage Factor
Total* Radiation Barrier Shielding required:					
0.38	0.32	0.59	0.00	0.24	mm **Pb**
1.0	1.0	2.0	0.0	1.0	Minimum nominal weight of Pb required (lbs)
33	28	48	0	23	**or** mm **Concrete** (standard density = 2.4 gm/cc)
104	88	154	0	69	**or** mm **Drywall** (1/2" sheet drywall = 11 mm; 5/8" sheet = 14 mm of shielding material)

* Includes Primary, Scattered, and Leakage Radiation contribution.

Recommendation / Requirement

Exposure Control	North Barrier	East Barrier	South Barrier	West Barrier	Shielding Material:
1 lbs rolled Pb	**1 lbs rolled Pb**	**2 lbs rolled Pb**	**None required**	**1 lbs rolled Pb**	**Rolled Pb sheeting in weights shown**
N/A	**N/A**	**N/A**	**1**	**5**	**OR: Drywall (5/8" sheets) in quantities shown**

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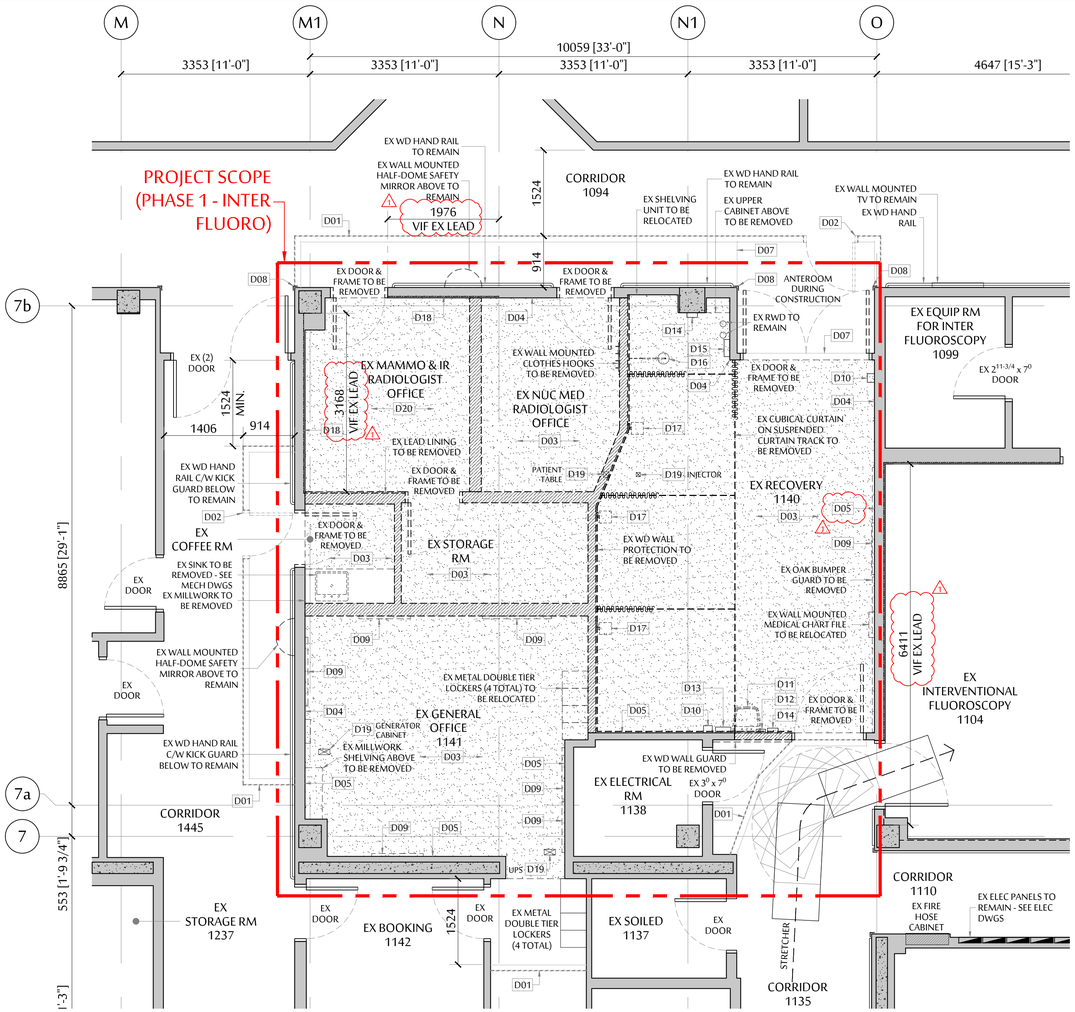
UHNBC - New Interventional Fluoro

Physics Values Used

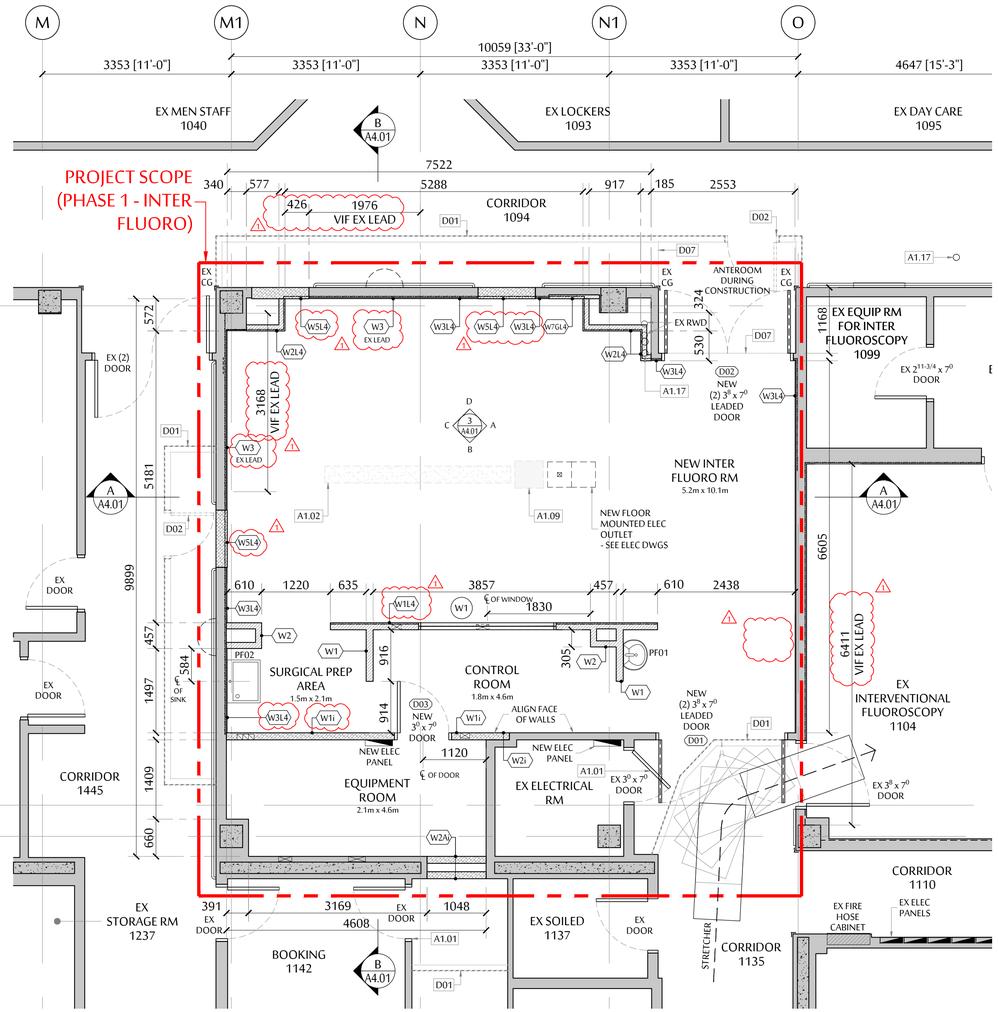
Barrier	Input	Description	Symbol	Units
	25	Number of patients per week	N	per week
EC	1.00	Occupancy Factor	T	
N	0.20			
E	1.00			
S	0.03			
W	0.20			
EC	0.10	Design Goal	P	mGy/Week
N	0.02			
E	0.02			
S	0.02			
W	0.02			
EC	0.00	Primary beam Use factor (per barrier)	U	
N	0.00			
E	0.00			
S	0.00			
W	0.00			
EC		Air Kerma for Primary radiation @ 1 m	Kp	mGy/patient
N				
E				
S				
W				
EC		Distance from tube to barrier	dp	m
N				
E				
S				
W				
EC		Pre-shielding (IR's, grids, supports)	xpre	mm
N				
E				
S				
W				
EC	0.46000	Air Kerma for Secondary radiation @ 1 m	Ksec	mGy/patient
N	0.46000			
E	0.46000			
S	0.46000			
W	0.46000			
EC	2.6	Distance from patient to barrier	dsec	m
N	3.0			
E	4.1			
S	4.7			
W	3.7			



1 PHASE 1 - LEVEL 1 - DEMOLITION PLAN

SCALE : 1 = 50

PHASE 1 - INTER FLUORO : APPROX. GROSS FLOOR AREA = 95.7 m^2 (1,030 ft^2)



2 PHASE 1 - LEVEL 1 - FRAMING PLAN

SCALE : 1 = 50

PHASE 1 - INTER FLUORO : APPROX. GROSS FLOOR AREA = 95.7 m^2 (1,030 ft^2)

D09 EXISTING WALL MOUNTED WHITE BOARD OR CORKBOARD TO BE RELOCATED. DO NOT DAMAGE.

D10 EXISTING WALL MOUNTED HAND SANITIZER & WD BACKING TO BE REMOVED.

D11 EX WALL MOUNTED SINK, WD BACKING AND ACCESS PANEL TO BE REMOVED - SEE MECH DWGS.

D12 EXISTING WALL MOUNTED SOAP DISPENSER & WD BACKING TO BE REMOVED.

D13 EXISTING WALL MOUNTED PAPER TOWEL DISPENSER TO BE REMOVED.

D14 EXISTING WALL MOUNTED ACRYLIC GLOVE DISPENSER (3 TOTAL) TO BE REMOVED AND PASSED ONTO HOSPITAL FOR STORAGE. DO NOT DAMAGE.

D15 EXISTING WALL MOUNTED SHARPS CONTAINER. TO BE REMOVED AND PASSED ONTO HOSPITAL FOR STORAGE. DO NOT DAMAGE.

D16 EXISTING WALL MOUNTED LIGHT FIXTURE & WD BACKING TO BE REMOVED AND PASSED ONTO HOSPITAL FOR STORAGE. DO NOT DAMAGE.

D17 EXISTING PATIENT MONITOR, WALL MOUNTING FIXTURE & BASKET UTILITY TO BE REMOVED AND PASSED ONTO HOSPITAL FOR STORAGE. DO NOT DAMAGE.

D18 EXISTING LEAD LINING TO REMAIN, EXTENT SHOWN IS ONLY APPROX. DO NOT DAMAGE.

D19 CUT CONC FLOOR SLAB FOR JUNCTION BOX & CONDUIT INSTALLATION. PENETRATION TO BE FIRESTOPPED & SMOKE SEALED AS REQ'D TO MAINTAIN NECESSARY FIRE RATING.
- SEE EQUIPMENT, ELEC & STRUCT DWGS FOR EXACT LOCATION, SIZE AND DETAILS

D20 CONTRACTOR TO ALLOW (1) WEEK FOR ASBESTOS REMOVAL OF EXISTING SHEET VINYL FLOOR BY OWNER. CONTRACTOR TO INSTALL FLOOR UNDERLAYMENT AS REQUIRED FOR PREPARATION OF NEW FLOOR FINISH TO MEET FLOORING MANUFACTURER'S STANDARDS.

9. ALL ASBESTOS CONTAINING MATERIALS DISCOVERED DURING CONSTRUCTION SHALL BE HANDLED ACCORDING TO SPEC SECTION 011000 - "OWNERS GENERAL REQUIREMENTS" AND BE REMOVED ACCORDING TO WORKSAFE BC REQUIREMENTS.

10. FIREPROOF AND PATCH EXISTING FIRE RATED WALL, FLOOR AND CEILING OPENING WITHIN PROJECT AREA TO MATCH EXISTING FIRE RATING.

11. UNUSED EX OR NEW CONCRETE FLOOR PENETRATIONS MUST BE PATCHED WITH CONCRETE INFILL OF THE SAME THICKNESS AS EXISTING

DEMOLITION KEY NOTES

D01 FULL HT TEMP HOARDING TO UNDERSIDE OF FIN CLNG DURING CONSTRUCTION WITH:
- 92 MM STL STUD FRAMING @ 400 MM O/C
- 16 MM THK TAPED DRYWALL INSTALLED ON OUTSIDE OF PROJECT AREA
- 6 MIL POLY ON INSIDE OF PROJECT AREA

D02 TEMP 3' X 7' DOOR WITH 12" X 12" VISION PANEL DURING CONSTRUCTION

D03 EXISTING WALL BASE AND VINYL SHEET FLOOR FINISH & ADHESIVE TO BE REMOVED. INSTALL FLOOR UNDERLAYMENT AS REQUIRED FOR PREPARATION OF NEW FLOOR FINISH TO MEET FLOORING MANUFACTURER'S STANDARDS.

D04 EXISTING DRYWALL LAYER TO BE REMOVED.

D05 REPAIR, PATCH AND MAKE SMOOTH ALL EXISTING DRYWALL TO RECEIVE NEW PAINT FOR FULL LENGTH AND HEIGHT OF WALL

D06 FOR M&E WORK EXTENDING BELOW THE PROJECT AREA, CONTRACTOR TO REMOVE, REPAIR & REFINISH EXISTING CEILING AS REQ'D.

D07 TEMP CONTINUOUS 6 MIL POLY ENCLOSURE SECURED & AIR SEALED ON ALL EDGES C/W 864 X 2134 ZIPPER OPENING FOR ACCESS

D08 EXISTING CORNER GUARD TO REMAIN. DO NOT DAMAGE.

DEMOLITION GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL DEMOLITION AS REQUIRED FOR NEW WORK.

2.OBTAIN APPROVAL FROM HOSPITAL FOR LAYOUT OF TEMP HOARDING AND CONSTRUCT HOARDING PER HOSPITAL'S REQUIREMENTS.

3. CONTRACTOR TO PROVIDE ADEQUATE PROTECTION TO ALL EXISTING PROPERTIES DURING DEMOLITION AND CONSTRUCTION

4. ANY CONCRETE SLAB CUTTING OR DEMOLITION WORK WITH EXCESSIVE NOISE MUST BE PERFORMED AFTER REGULAR HOURS AS PERMITTED BY HOSPITAL. ANY EXTRA COST ASSOCIATED WITH AFTER-HOUR WORK WILL BE PART OF THIS CONTRACT.

3. DISPOSAL OF DEMOLISHED MATERIALS MUST BE CARRIED OUT AFTER REGULAR HOURS THROUGH SERVICE CORRIDORS AS PERMITTED BY THE HOSPITAL.

4. REMOVAL OF ANY FLOOR FINISHES MUST INCL COMPLETE REMOVAL OF ANY UNDERLAYMENT AND GLUE ADHERED TO THE CONC SLAB.

5. ANY ASSOCIATED M&E SERVICES MUST BE DISCONNECTED BEFORE REMOVAL OF ANY WALL, FLOOR AND CEILING.

6. THE OWNER RESERVES THE RIGHT TO CLAIM ALL DEMOLITION ITEMS WHERE IT MAY BE POSSIBLE TO REUSE IN THE FUTURE. CONFIRM WITH THE OWNER PRIOR TO DISPOSING OF ITEMS.

7. BEFORE ANY CONCRETE SLAB CUTTING AND/OR CORING, CONTRACTOR MUST PERFORM SCANNING OF EX CONC SLAB & DIG OUT TRIAL PITS TO LOCATE AND RECORD ANY EXISTING IN-SLAB OR UNDER-SLAB M&E PIPES, DUCTS, CONDUITS AND UTILITY SERVICES. DRILL AND DIG TRIAL PITS AS REQ'D TO VERIFY EXACT LOCATION OF EX UNDERGROUND SERVICES. CONTRACTOR IS REQUIRED TO SEEK APPROVAL FROM ARCHITECT BEFORE COMMENCEMENT OF THE SLAB CUTTING AND/OR CORING WORK.

8. WHERE PENETRATIONS THROUGH CONCRETE SLAB ARE INACCESSIBLE BY SCAN EQUIPMENT, HAND CHIP CONC SLAB TO INVESTIGATE ANY IN SLAB SERVICES.

PLUMBING FIXTURE LEGEND

REFER TO PLUMB DWGS FOR DETAILS OF PLUMB FIXTURES

PF01 NEW WALL MOUNTED HAND WASHING SINK WITH HANDS FREE FAUCET

PF02 NEW WALL MOUNTED HAND WASHING SINK C/W FOOT PEDAL

A1.10 - NEW ELEC CONDUITS. SEE ELEC & STRUCT DWGS FOR EXACT ROUTING AND DETAILS.
- FOR FLOOR, CONTRACTOR TO SCAN EXISTING CONC. FLOOR SLAB BEFORE CORING (IF CORING IS REQ'D).
- FOR WALL, CONTRACTOR TO CUT WALL AS REQ'D.
- FOR CEILING, CONTRACTOR TO REMOVE CEILING BELOW AS REQ'D.
- REPAIR AND MAKE GOOD ALL FLOORS, WALLS, AND CEILINGS TO MATCH EXISTING INCLUDING FIRE RATING & SEPARATION REQUIREMENTS AFTER COMPLETION OF ELECTRICAL WORK.

A1.11 PROVIDE NEW ROLLBOARD WALL MOUNT WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DWG 3C/A4.01 FOR EXACT WALL MOUNT HEIGHT AND LOCATION ON WALL

A1.12 PROVIDE NEW WALL MOUNTED LEAD APRON HOOKS (TOTAL 8) WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DWG 3A/A4.01 FOR EXACT HEIGHT AND LOCATION ON WALL

A1.13 PROVIDE NEW MEDICAL STORAGE CABINET (IF-EQ11) WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING PER MANUFACTURER'S RECOMMENDATIONS & REQUIREMENTS - SEE EQUIPMENT SCHEDULE FOR DETAILS

A1.14 PROVIDE NEW UPPER AND LOWER CRASH RAILS WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DWG 3A & 3B/A4.01 FOR EXACT HEIGHT AND EXTENT ON WALL

A1.15 1" WIDE SHEET VINYL FLOOR RED WARNING STRIP

A1.16 PROVIDE IN WALL BACKING AS RECOMMENDED BY MANUFACTURER FOR WALL CHANNEL (IF-EQ13) INSTALLATION (REMOVE EX GWB IF REQ'D)

A1.17 NEW PIPING/CONDUIT - SEE ELEC & MECH DWGS FOR EXACT ROUTING AND DETAILS.
- FOR FLOOR, CONTRACTOR TO SCAN EX CONC. FLOOR SLAB BEFORE CORING (IF CORING IS REQ'D).
- FOR WALL, CONTRACTOR TO CUT WALL AS REQ'D.
- FOR CEILING, CONTRACTOR TO REMOVE CEILING AS REQ'D.
- REPAIR AND MAKE GOOD ALL FLOORS, WALLS, AND CEILINGS TO MATCH EXISTING INCLUDING FIRE RATING & SEPARATION REQUIREMENTS AFTER COMPLETION OF ELECTRICAL WORK.

CONSTRUCTION KEY NOTES

- ALL WORKS BELOW ARE NEW INCLUDING SUPPLY & INSTALLATION OF MATERIALS U.N.O.

A1.01 SEAL DOOR EDGES TO MEET INFECTION CONTROL REQUIREMENT DURING CONSTRUCTION

A1.02 LEVEL FLOOR WITH SELF-LEVELING FLOOR UNDERLAYMENT TO MEET EQUIPMENT VENDOR FLATNESS AND LEVELNESS REQUIREMENTS - SEE EQUIPMENT DWGS FOR EXTENT

A1.03 PROVIDE NEW HAND RAIL & LOWER WALL BUFFER INFILL TO MATCH EXISTING C/W IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DETAIL 6&7/A5.03

A1.04 RESERVED

A1.05 55" H WALL PROTECTION COVERING (WP1) ABOVE WALL BASE - SEE DWG 3A&3B/A4.01

A1.06 PROVIDE IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING FOR UPPER CABINET (REMOVE EX GWB IF REQ'D)

A1.07 PROVIDE IN WALL 350mm HIGH FIRE RETARDANT TREATED PLYWOOD BACKING FOR ANCHORING OF SIEMENS ELECTRONICS CABINETS. BACKING TO BE FLUSH MOUNTED, INSTALLED 2160mm AFF TO BOTTOM EDGE, AND MUST COVER THE ENTIRE WIDTH OF THE ELECTRONICS CABINET(S) PLUS MIN. 50mm ON EACH SIDE. - SEE EQUIPMENT DWGS

A1.08 PROVIDE IN WALL 350mm HIGH FIRE RETARDANT TREATED PLYWOOD BACKING FOR ANCHORING OF SIEMENS CONTROL ROOM DISTRIBUTOR. BACKING TO BE FLUSH MOUNTED, INSTALLED 500mm AFF TO BOTTOM EDGE, AND MUST COVER THE ENTIRE WIDTH OF THE DISTRIBUTOR PLUS MIN. 50mm ON EACH SIDE. - SEE EQUIPMENT DWGS

A1.09 PATIENT TABLE INSTALLATION PLATE TO BE ANCHORED TO CONCRETE FLOOR
- SEE EQUIPMENT & STRUCT. DWGS

CONSTRUCTION GENERAL NOTES

1. ALL EXISTING AND NEW PENETRATIONS THROUGH FIRE RATED WALLS & FLOORS SHALL BE FIRESTOPPED & SMOKE SEALED AS REQ'D TO MAINTAIN NECESSARY FIRE RATING. FIRESTOPPING MUST BE PERFORMED WITHOUT DELAY AS SOON AS THEY ARE OPENED, TO PREVENT SPREAD OF FIRE AND SMOKE DURING CONSTRUCTION.

2. REPAIR, PATCH AND SKIM COAT AND LEVEL EXISTING CONC SLAB THROUGHOUT PROJECT AREA PER EQUIPMENT MANUF. SPECIFICATION BEFORE INSTALLATION OF NEW FLOOR FINISHES.

3. EXISTING GWB WALLS SHOWN TO REMAIN SHALL BE SKIM COATED AND SANDED SMOOTH BEFORE RECEIVING PAINT.

4. REMOVE, REPAIR & REFINISH EX DRYWALL AS REQ'D FOR INSTALLATION OF NEW MECH & ELEC PIPES, CONDUITS & EQUIPMENT.

5. STRUCTURAL DESIGN FOR NEW STL LINTEL & CONC SLAB TRENCHING & REPLACEMENT, IF ANY, SHALL BE PERFORMED BY A LICENSED STRUCT ENG & PAID FOR BY CONTRACTOR.

6. PATCH AND REFINISH DRYWALL WHERE EX M&E WALL OUTLETS, PENETRATIONS & EQUIPMENT ARE REMOVED AND DISCARDED.

7. PROVIDE BACKING ON WALLS FOR MILLWORK, HANDRAILS, CHAIR RAILS, BATHROOM ACCESSORIES, M&E FIXTURES AND ANY EQUIP AS REQUIRED. SEE M&E AND EQUIP DWGS FOR BACKING LOCATIONS AND REQUIREMENTS

8. FOR NEW LEAD LINED WALL, LEAD LINE ALL NEW AND EX TO REMAIN WALLS, OUTLETS, PENETRATIONS, PIPES, AND DUCT WORK TO MAINTAIN CONTINUITY OF SHIELDING - SEE SPEC SECTION 130900 RADIATION PROTECTION.

9. SKIM COAT ALL EXISTING CONC FLOOR TO RECEIVE NEW FLOORING THROUGHOUT PROJECT AREA

10. REPAIR EX SPRAY THERMAL INSULATION BELOW CONC SLAB FOR ALL NEW PIPE AND CONDUIT PENETRATIONS TO BELOW, IF APPLICABLE.

ARCHITECT :

DCYT ARCHITECTURE
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No.	REVISION	DATE	BY
7	ISSUED FOR ADDENDUM 1	FEB 22, 2021	RC
6	ISSUED FOR TENDER	FEB 10, 2021	RC
5	ISSUED FOR 80% CD	DEC 16, 2020	RC
4	ISSUED FOR BP SUBMISSION	DEC 4, 2020	RC
3	ISSUED FOR DD REVIEW	NOV 20, 2020	RC
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

northern health
the northern way of caring

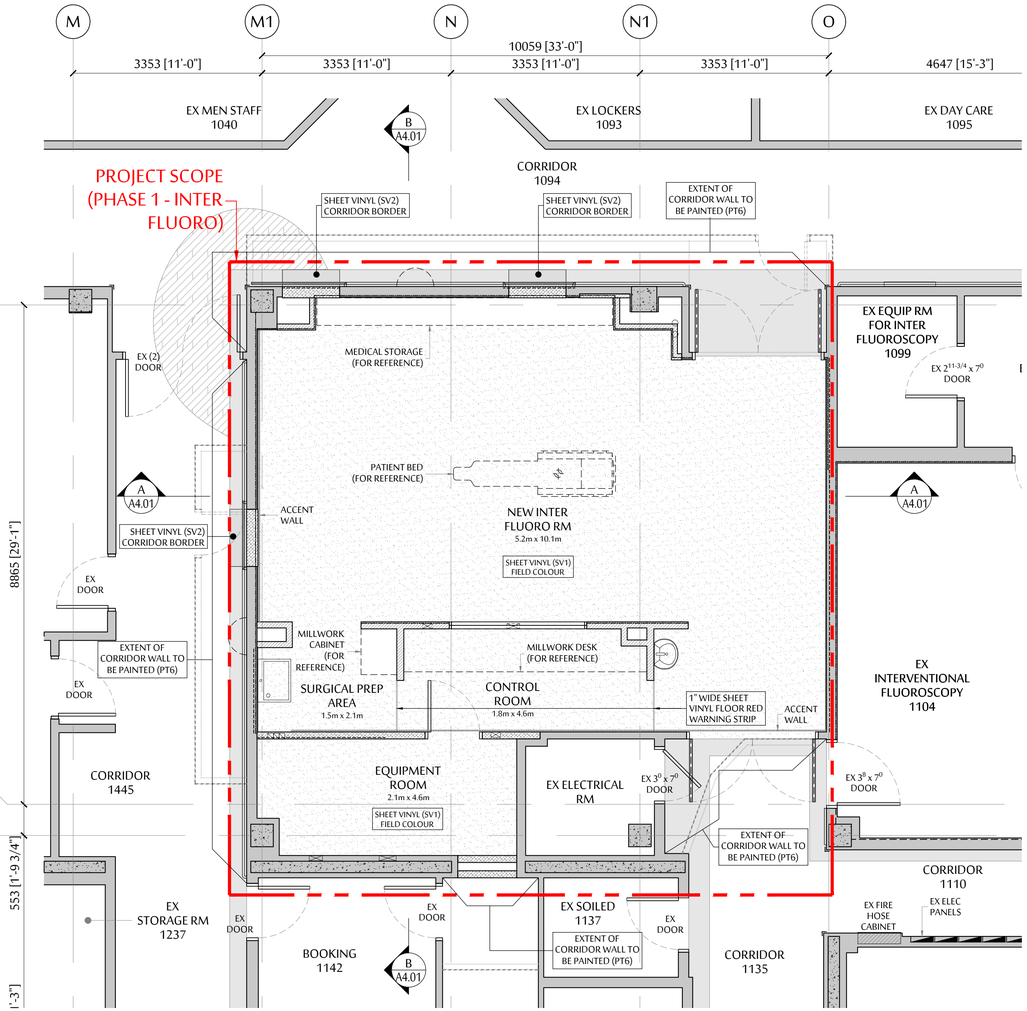
UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 1 - INTER FLUORO LEVEL 1 DEMO & FRAMING PLAN

SCALE: 1 : 50
DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

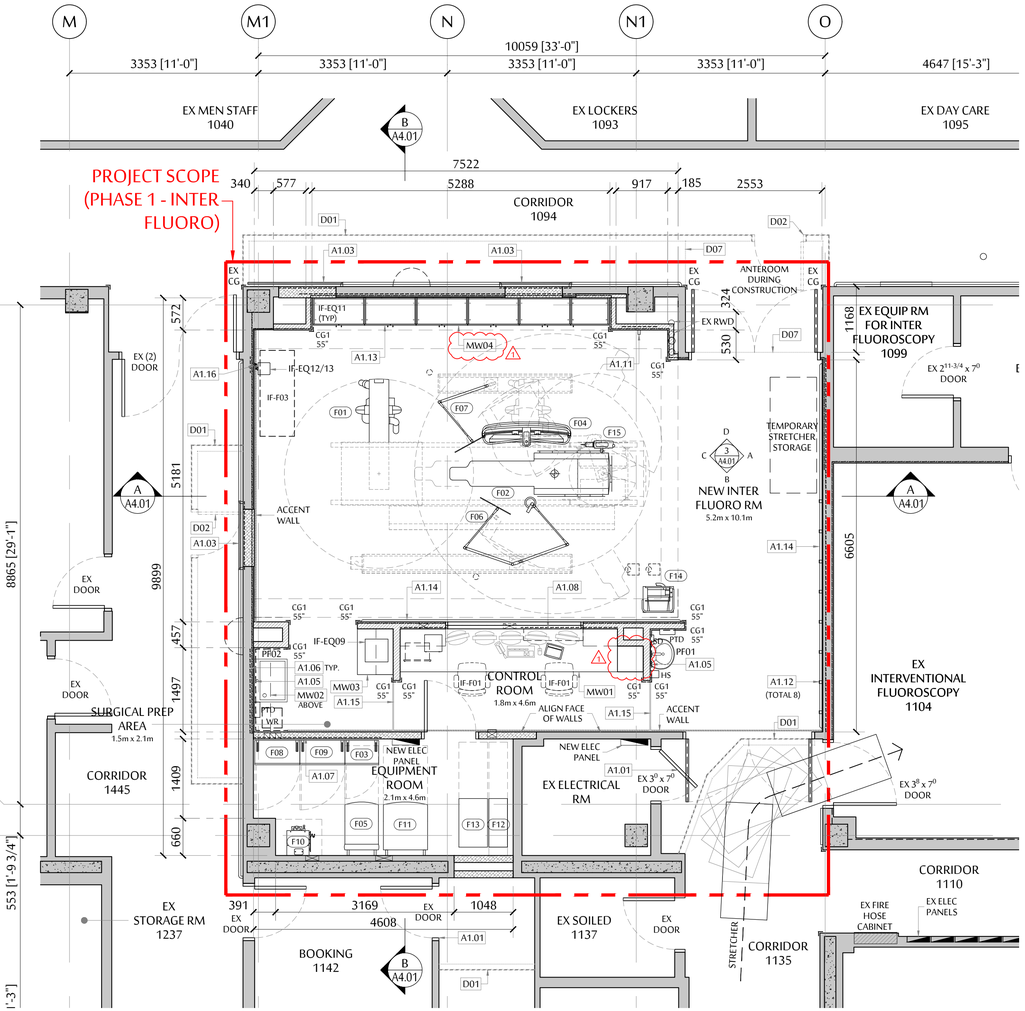
PHASE 1
A2.02



2 PHASE 1 - LEVEL 1 - FINISHES PLAN

SCALE : 1 = 50

PHASE 1 - INTER FLUORO : APPROX. GROSS FLOOR AREA = 95.7 m^2 (1,030 ft^2)



1 PHASE 1 - LEVEL 1 - FURNITURE & EQUIPMENT PLAN

SCALE : 1 = 50

PHASE 1 - INTER FLUORO : APPROX. GROSS FLOOR AREA = 95.7 m^2 (1,030 ft^2)

UHNBC FLUOROSCOPY REPLACEMENT - FURNITURE & EQUIPMENT SCHEDULE

DATE: FEBRUARY 10, 2021

CODE	UNIT	#	EX OR NEW	ACTION REQUIRED	PERSON RESPONSIBLE	CONTRACTOR TO INSTALL	REMARKS
NEW INTER FLUORO ROOM - EQUIPMENT & FURNITURE							
IF-EQ01	SOAP DISPENSER (WALL MOUNTED)	2	NEW	PURCHASE	CLIENT	*	
IF-EQ02	PAPER TOWEL DISPENSER (WALL MOUNTED)	2	NEW	PURCHASE	CLIENT	*	
IF-EQ03	HAND SANITIZER (WALL MOUNTED)	2	NEW	PURCHASE	CLIENT	*	
IF-EQ04	GLOVE DISPENSER (WALL MOUNTED)	2	NEW	PURCHASE	CLIENT	*	
IF-EQ05	CLOCK (WALL MOUNTED)	1	NEW	PURCHASE	CLIENT	*	
IF-EQ06	WASTE RECEPTACLE	3	NEW	PURCHASE	CLIENT		
IF-EQ07	ROLLBOARD	1	NEW	PURCHASE	CLIENT		
IF-EQ08	LEAD APRON HANGERS	8	NEW	PURCHASE	CLIENT		
IF-EQ09	CONTRAST WARMER	1	NEW	PURCHASE	CLIENT		
IF-EQ10	COMPUTER (CPU, MONITOR)	TBD	NEW	PURCHASE	CLIENT		
IF-EQ11	MEDICAL STORAGE CABINET	6	NEW	PURCHASE	CONTRACTOR	*	Medical Storage purchase order to be provided to contractor
IF-EQ12	PATIENT MONITOR	1	NEW	PURCHASE	CLIENT		
IF-EQ13	MONITOR MOUNTING ARM	1	NEW	PURCHASE	CLIENT	*	
IF-F01	TASK CHAIR	2	NEW	PURCHASE	CLIENT		
IF-F02	SIDE CHAIR	2	EX	RELOCATION	CLIENT		
IF-F03	INSTRUMENT TABLE	1	EX	RELOCATION	CLIENT		

EQUIPMENT LEGEND

SIEMENS ARTIS Q CEILING INTERVENTIONAL FLUOROSCOPY
(TO BE SUPPLIED BY EQUIPMENT VENDOR - UNLESS NOTED OTHERWISE)

- F01 ARTIS Q CEILING STAND
- F02 PATIENT TABLE (KOORDINAT)
- F03 SYSTEM CONTROL CABINET #2
- F04 DCS EXT. LARGE DISPLAY MONITOR
- F05 LARGE DISPLAY CONTAINER
- F06 RADIATION SHIELD + OR LIGHT
- F07 RADIATION SHIELD
- F08 GENERATOR CABINET
- F09 SYSTEM CONTROL CABINET #1
- F10 COOLING UNIT
- F11 IMAGE SYSTEM CABINET
- F12 UPS
- F13 TRANSFORMER CABINET
- F14 CONTROL CONSOLE AND ECC ON TROLLEY
- F15 INJECTOR HEAD (TABLE MOUNTED)

PLUMBING FIXTURE LEGEND

REFER TO PLUMB DWGS FOR DETAILS OF PLUMB FIXTURES

- PF01 NEW WALL MOUNTED HAND WASHING SINK WITH HANDS FREE FAUCET
- PF02 NEW WALL MOUNTED HAND WASHING SINK C/W FOOT PEDAL

A1.10 - NEW ELEC CONDUITS. SEE ELEC & STRUCT DWGS FOR EXACT ROUTING AND DETAILS.
- FOR FLOOR, CONTRACTOR TO SCAN EXISTING CONC. FLOOR SLAB BEFORE CORING (IF CORING IS REQ'D).
- FOR WALL, CONTRACTOR TO CUT WALL AS REQ'D.
- FOR CEILING, CONTRACTOR TO REMOVE CEILING BELOW AS REQ'D.
- REPAIR AND MAKE GOOD ALL FLOORS, WALLS, AND CEILINGS TO MATCH EXISTING INCLUDING FIRE RATING & SEPARATION REQUIREMENTS AFTER COMPLETION OF ELECTRICAL WORK.

A1.11 PROVIDE NEW ROLLBOARD WALL MOUNT WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DWG 3C/A4.01 FOR EXACT WALL MOUNT HEIGHT AND LOCATION ON WALL

A1.12 PROVIDE NEW WALL MOUNTED LEAD APRON HOOKS (TOTAL 8) WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DWG 3A/A4.01 FOR EXACT HEIGHT AND LOCATION ON WALL

A1.13 PROVIDE NEW MEDICAL STORAGE CABINET (IF-EQ11) WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING PER MANUFACTURER'S RECOMMENDATIONS & REQUIREMENTS - SEE EQUIPMENT SCHEDULE FOR DETAILS

A1.14 PROVIDE NEW UPPER AND LOWER CRASH RAILS WITH IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DWG 3A & 3B/A4.01 FOR EXACT HEIGHT AND EXTENT ON WALL

A1.15 1" WIDE SHEET VINYL FLOOR RED WARNING STRIP

A1.16 PROVIDE IN WALL BACKING AS RECOMMENDED BY MANUFACTURER FOR WALL CHANNEL (IF-EQ13) INSTALLATION (REMOVE EX GWB IF REQ'D)

A1.17 NEW PIPING/CONDUIT - SEE ELEC & MECH DWGS FOR EXACT ROUTING AND DETAILS.
- FOR FLOOR, CONTRACTOR TO SCAN EX CONC. FLOOR SLAB BEFORE CORING (IF CORING IS REQ'D).
- FOR WALL, CONTRACTOR TO CUT WALL AS REQ'D.
- FOR CEILING, CONTRACTOR TO REMOVE CEILING AS REQ'D.
- REPAIR AND MAKE GOOD ALL FLOORS, WALLS, AND CEILINGS TO MATCH EXISTING INCLUDING FIRE RATING & SEPARATION REQUIREMENTS AFTER COMPLETION OF ELECTRICAL WORK.

CONSTRUCTION KEY NOTES

- ALL WORKS BELOW ARE NEW INCLUDING SUPPLY & INSTALLATION OF MATERIALS U.N.O.

A1.01 SEAL DOOR EDGES TO MEET INFECTION CONTROL REQUIREMENT DURING CONSTRUCTION

A1.02 LEVEL FLOOR WITH SELF-LEVELING FLOOR UNDERLAYMENT TO MEET EQUIPMENT VENDOR FLATNESS AND LEVELNESS REQUIREMENTS - SEE EQUIPMENT DWGS FOR EXTENT

A1.03 PROVIDE NEW HAND RAIL & LOWER WALL BUFFER INFILL TO MATCH EXISTING C/W IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING - SEE DETAIL 6&7/A5.03

A1.04 RESERVED

A1.05 55" H WALL PROTECTION COVERING (WP1) ABOVE WALL BASE - SEE DWG 3A&3B/A4.01

A1.06 PROVIDE IN WALL FIRE RETARDANT TREATED PLYWOOD BACKING FOR UPPER CABINET (REMOVE EX GWB IF REQ'D)

A1.07 PROVIDE IN WALL 350mm HIGH FIRE RETARDANT TREATED PLYWOOD BACKING FOR ANCHORING OF SIEMENS ELECTRONICS CABINETS. BACKING TO BE FLUSH MOUNTED, INSTALLED 2160mm AFF TO BOTTOM EDGE, AND MUST COVER THE ENTIRE WIDTH OF THE ELECTRONICS CABINET(S) PLUS MIN. 50mm ON EACH SIDE. - SEE EQUIPMENT DWGS

A1.08 PROVIDE IN WALL 350mm HIGH FIRE RETARDANT TREATED PLYWOOD BACKING FOR ANCHORING OF SIEMENS CONTROL ROOM DISTRIBUTOR. BACKING TO BE FLUSH MOUNTED, INSTALLED 500mm AFF TO BOTTOM EDGE, AND MUST COVER THE ENTIRE WIDTH OF THE DISTRIBUTOR PLUS MIN. 50mm ON EACH SIDE. - SEE EQUIPMENT DWGS

A1.09 PATIENT TABLE INSTALLATION PLATE TO BE ANCHORED TO CONCRETE FLOOR - SEE EQUIPMENT & STRUCT. DWGS

ARCHITECT :

DCYT ARCHITECTURE
HEALTHCARE . COMMERCIAL . RESIDENTIAL . INTERIOR DESIGN

WWW.DCYTARCHITECTURE.CA

No.	REVISION	DATE	BY
7	ISSUED FOR ADDENDUM 1 (1)	FEB 22, 2021	RC
6	ISSUED FOR TENDER	FEB 10, 2021	RC
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4	ISSUED FOR BP SUBMISSION	DEC 4, 2020	RC
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

northern health
the northern way of caring

UHNBC FLUOROSCOPY REPLACEMENT

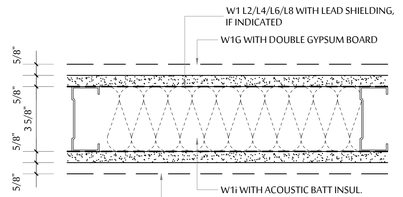
1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 1 - INTER FLUORO LEVEL 1 - FURNITURE, EQUIP. & FINISHES PLAN

SCALE: AS NOTED
DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

PHASE 1
A2.03

WALL SCHEDULE

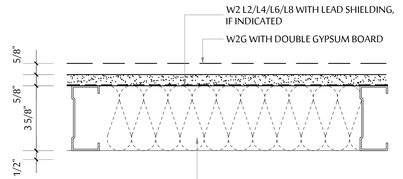


W1 — NON-RATED WALL ASSEMBLY

WALL ASSEMBLY TO EXTEND MIN. 152MM (6") ABOVE FINISHED CEILING & TIED TO STRUCT SLAB ABOVE WITH STEEL STUD BRACING

- 16 MM (5/8") GYPSUM BOARD
- 92 MM (3-5/8") 20 GA STEEL STUD AT 400MM (16") O.C.
- 16 MM (5/8") GYPSUM BOARD

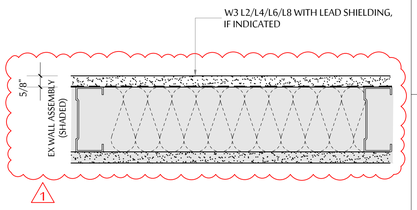
suffix A	SAME AS W1 EXCEPT WALL ASSEMBLY TO BE FULL HT FROM FLR TO STRUCT SLAB ABOVE
suffix G	SAME AS W1 EXCEPT WITH DOUBLE GYPSUM BOARD ON BOTH SIDES
suffix i	SAME AS W1 EXCEPT WITH ACOUSTIC BATT INSULATION TO FILL WALL CAVITY AND CONT ACOUSTIC SEALANTS BETWEEN GYPSUM BOARD AND FLOOR (STC = 47)
suffix T	SAME AS W1 EXCEPT WITH 152MM (6") 20 GA STEEL STUD AT 400MM (16") O.C. INSTEAD OF 92MM (3 5/8") STEEL STUD
suffix L2/L4/L6/L8	SAME AS W1 EXCEPT WITH 7' HIGH CONTINUOUS LEAD SHIELDING AS FOLLOWS : L2 = 0.8MM (1/32") THK LEAD LINING (2 LB) L4 = 1.6MM (1/16") THK LEAD LINING (4 LB) L6 = 2.4MM (3/32") THK LEAD LINING (6 LB) L8 = 3.2MM (1/8") THK LEAD LINING (8 LB) SEE SPECS AND ALSO RADIATION REPORT FOR LEAD SHIELDING INSTALLATION REQUIREMENTS USE 1/2" GYPSUM BOARD ON ONE SIDE OF WALL WHERE WALL CONTAINS LEADED DOOR AND/OR WINDOW ONLY



W2 — FUR-OUT WALL ASSEMBLY

-16 MM (5/8") GYPSUM BOARD
- 92 MM (3-5/8") 20 GA STEEL STUD AT 400MM (16") O.C.

suffix A	SAME AS W2 EXCEPT WALL ASSEMBLY TO BE FULL HT FROM FLR TO STRUCT SLAB ABOVE
suffix G	SAME AS W2 EXCEPT WITH DOUBLE GYPSUM BOARD ON ROOM SIDE
suffix i	SAME AS W2 EXCEPT WITH ACOUSTIC BATT INSULATION TO FILL WALL CAVITY AND CONT ACOUSTIC SEALANTS BETWEEN GYPSUM BOARD AND FLOOR
suffix T	SAME AS W2 EXCEPT WITH 152MM (6") 20 GA STEEL STUD AT 400MM (16") O.C. INSTEAD OF 92MM (3 5/8") STEEL STUD
suffix L2/L4/L6/L8	SAME AS W2 EXCEPT WITH 7' HIGH CONTINUOUS LEAD SHIELDING AS FOLLOWS : L2 = 0.8MM (1/32") THK LEAD LINING (2 LB) L4 = 1.6MM (1/16") THK LEAD LINING (4 LB) L6 = 2.4MM (3/32") THK LEAD LINING (6 LB) L8 = 3.2MM (1/8") THK LEAD LINING (8 LB) SEE SPECS AND ALSO RADIATION REPORT FOR LEAD SHIELDING INSTALLATION REQUIREMENTS USE 1/2" GYPSUM BOARD ON ONE SIDE OF WALL WHERE WALL CONTAINS LEADED DOOR AND/OR WINDOW ONLY

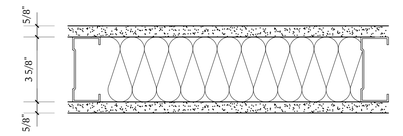


W3 — LEAD SHIELDING FUR-OUT WALL ASSEMBLY ON EXISTING WALL

- 16MM (5/8") GYPSUM BOARD
- EXISTING STEEL STUD WALL ASSEMBLY

1

suffix L2/L4/L6/L8	SAME AS W3 EXCEPT WITH 7' HIGH CONTINUOUS LEAD SHIELDING AS FOLLOWS : L2 = 0.8MM (1/32") THK LEAD LINING (2 LB) L4 = 1.6MM (1/16") THK LEAD LINING (4 LB) L6 = 2.4MM (3/32") THK LEAD LINING (6 LB) L8 = 3.2MM (1/8") THK LEAD LINING (8 LB) SEE SPECS AND ALSO RADIATION REPORT FOR LEAD SHIELDING INSTALLATION REQUIREMENTS USE 1/2" GYPSUM BOARD ON ONE SIDE OF WALL WHERE WALL CONTAINS LEADED DOOR AND/OR WINDOW ONLY

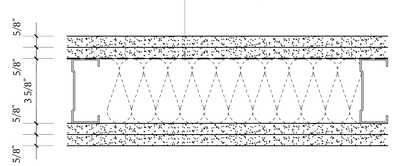


W4 (NOT USED) — FIRE-RATED WALL ASSEMBLY (1 HR F.R.R. & STC 47) - BC BUILDING CODE, TABLE A - 9.10.3.1. A WALL NUMBER S4b

WALL ASSEMBLY TO EXTEND TO UNDERSIDE OF STRUCT SLAB ABOVE ONE PIECE (NO SPLICING), AND FIRE SEPARATED WITH 1 HR F.R.R.

- 16 MM (5/8") TYPE "X" GYPSUM BOARD
- 31MM X 92 MM (3-5/8") 20 GA STEEL STUD AT 400MM (16") O.C.
- MINERAL FIBRE BATT INSULATION WITH MIN 2.8 KG/S.M. COMPLETELY FILL WALL CAVITY
- 16 MM (5/8") TYPE "X" GYPSUM BOARD

suffix T	SAME AS W4 EXCEPT WITH 152MM (6") 20 GA STEEL STUD AT 400MM (16") O.C. INSTEAD OF 92MM (3 5/8") STEEL STUD

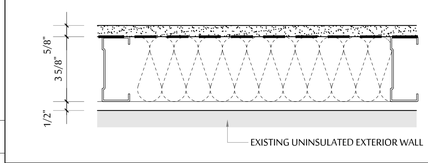


W5 — FIRE-RATED WALL ASSEMBLY (2 HR F.R.R. & STC 55) - BC BUILDING CODE, TABLE A - 9.10.3.1. A WALL NUMBER S6b

WALL ASSEMBLY TO EXTEND TO UNDERSIDE OF STRUCT SLAB ABOVE ONE PIECE (NO SPLICING), AND FIRE SEPARATED WITH 1 HR F.R.R.

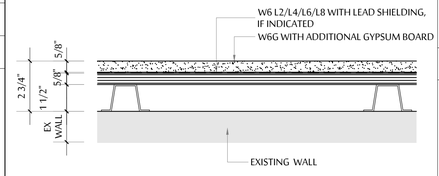
- 16 MM (5/8") TYPE "X" GYPSUM BOARD
- 31MM X 92 MM (3-5/8") 20 GA STEEL STUD AT 400MM (16") O.C.
- MINERAL FIBRE BATT INSULATION WITH MIN 2.8 KG/S.M. COMPLETELY FILL WALL CAVITY
- 16 MM (5/8") TYPE "X" GYPSUM BOARD

suffix L2/L4/L6/L8	SAME AS W5 EXCEPT WITH 7' HIGH CONTINUOUS LEAD SHIELDING AS FOLLOWS : L2 = 0.8MM (1/32") THK LEAD LINING (2 LB) L4 = 1.6MM (1/16") THK LEAD LINING (4 LB) L6 = 2.4MM (3/32") THK LEAD LINING (6 LB) L8 = 3.2MM (1/8") THK LEAD LINING (8 LB) SEE SPECS AND ALSO RADIATION REPORT FOR LEAD SHIELDING INSTALLATION REQUIREMENTS USE 1/2" GYPSUM BOARD ON ONE SIDE OF WALL WHERE WALL CONTAINS LEADED DOOR AND/OR WINDOW ONLY



W6 (NOT USED) — FUR-OUT WALL ASSEMBLY ON UNINSULATED EXTERIOR WALL

-16 MM (5/8") GYPSUM BOARD
- 6 MIL POLY VAPOUR AND AIR BARRIER
- 92 MM (3-5/8") 25 GA STEEL STUD AT 400MM (16") O.C.
- WITH ACOUSTIC BATT INSULATION
- 12MM (1/2" AIR GAP)
- EXISTING UNINSULATED EXTERIOR WALL

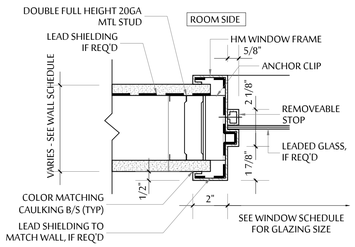


W7 — FUR-OUT WALL ASSEMBLY

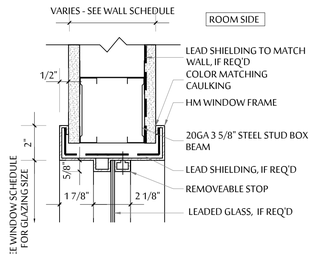
-13 MM (1/2") FIRE-RESISTANT TREATED PLYWOOD
- 38 MM (1-1/2") 25 GA STEEL FURRING CHANNEL AT 400MM (16") O.C.

suffix G	SAME AS W7 EXCEPT WITH ADDITIONAL GYPSUM BOARD ON ROOM SIDE
suffix L2/L4/L6/L8	SAME AS W7 EXCEPT WITH 7' HIGH CONTINUOUS LEAD SHIELDING AS FOLLOWS : L2 = 0.8MM (1/32") THK LEAD LINING (2 LB) L4 = 1.6MM (1/16") THK LEAD LINING (4 LB) L6 = 2.4MM (3/32") THK LEAD LINING (6 LB) L8 = 3.2MM (1/8") THK LEAD LINING (8 LB) SEE SPECS AND RADIATION REPORT FOR LEAD SHIELDING INSTALLATION REQUIREMENTS

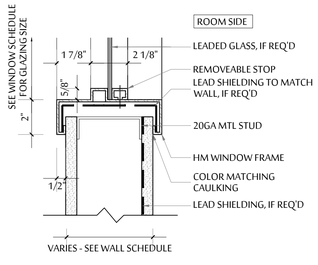
GENERAL NOTES :
1. ALL PARTITIONS FOR THIS PROJECT TO BE TYPE W1 UNLESS NOTED OTHERWISE
2. SEE STRUCT DWGS FOR FRAMING DETAILS
3. FOR ALL WALL INFILLS, ADD ADDITIONAL GWB LAYERS AS REQUIRED TO BRING FLUSH WITH ADJACENT WALLS



WJ1 HM WINDOW JAMB DETAIL
SCALE : 3" = 1'-0"

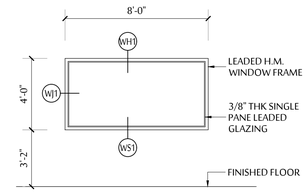


WH1 HM WINDOW HEAD DETAIL
SCALE : 3" = 1'-0"



WS1 HM WINDOW SILL DETAIL
SCALE : 3" = 1'-0"

WINDOW SCHEDULE



W01 - HM WINDOW WITH 2mm LEAD EQUIVALENT GLASS

ARCHITECT :

DCYT ARCHITECTURE
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No.	REVISION	DATE	BY
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3	NOT ISSUED	-	-
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1	NOT ISSUED	-	-

northern health
the northern way of caring

UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 1 - INTER FLUORO WALL & WINDOW SCHEDULES

SCALE: AS NOTED
DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

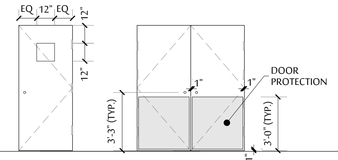
PHASE 1
A5.01

DOOR & FRAME SCHEDULE

DOOR NUMBER	LOCATION		DOOR								FRAME						THRESHOLD	GLASS				FIRE RATING	NOTES
	FROM	TO	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	CORE	FINISH	HARDWARE SET	LEAD LINING	MAT'L	FRAME TYPE	JAMB TYPE	HEAD TYPE	FINISH	LEAD LINING		LAM TEMPERED	TEMPERED	GEORGIAN WIRED	LOW-E		
D01	CORRIDOR 1135	NEW INTER FLUORO ROOM	B	(2) 3'-8"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT3	HW1	1.6mm (4lb)	HM	B	J1	H1	PAINT PT3	1.6mm (4lb)	T1	-	-	-	-	-	
D02	CORRIDOR 1094	NEW INTER FLUORO ROOM	B	(2) 3'-8"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT3	HW1	1.6mm (4lb)	HM	B	J1	H1	PAINT PT3	1.6mm (4lb)	T1	-	-	-	-	1.5 HR	
D03	CONTROL ROOM	EQUIPMENT ROOM	A	3'-0"	7'-0"	1 3/4"	GLASS & WOOD	SOLID	PAINT PT3	HW2	-	HM	A	J1	H1	PAINT PT3	-	T1	-	X	-	-	-	

NOTE :
1. RE-KEY ALL EXISTING DOOR LOCKS
2. SEE MECH DWG FOR DETAILS AND SPECS OF TRANSFER GRILLE

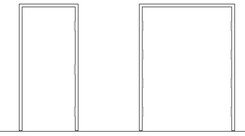
DOOR TYPE



DOOR TYPE A
(SINGLE DOOR WITH VISION PANEL)

DOOR TYPE B
(INTER FLUORO ENTRANCE DOUBLE DOOR)

FRAME TYPE



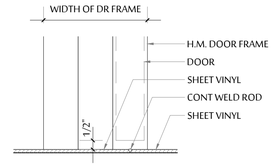
FRAME TYPE A
(SINGLE DOOR)

FRAME TYPE B
(DOUBLE DOOR - LEADED)

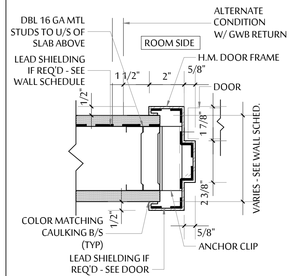
DOOR HARDWARE SCHEDULE

HARDWARE #	QTY	DESCRIPTION	MANUFACTURER	SPECIFICATION	FINISH
HW1 (INTER FLUORO ROOM)	4	HINGE	MCKINNEY	4 1/2" X 4 1/2" HEAVY WT MPB68 - LEAD LINED	26D
	1	LOCKSET	SCHLAGE	CLASSROOM LOCK - L9070 06B - 1/16" (4LB) LEAD LINED ON SITE	26D
	1	AUTOMATIC DOOR OPERATOR	NABCO GYRO TECH	GT8500 X OPMAN EXTENDED HEADER C/W X 2 HC ACTUATORS	689
	1	ELECTRIC STRIKE	VON DUPRIN	6200 SERIES - CYLINDRICAL OR MORTISE (FOR DOOR D02 ONLY) ⚠1	32D
	4	DOOR PROTECTION	ACROVYN	ACROVYN 4000 - KICK PLATE - KP-60N (COLOUR : OYSTER GRAY 929) - FIRE RATED	SUEDE
	1	ASTRAGAL	PEMKO	355_S "T" ASTRAGAL - 1/16" (4LB) LEAD LINED ON SITE ⚠1	355CS
	1	PERIMETER GASKETING	PEMKO	PEMKO HSS2000XS88GR_ COMBINATION FIRE/SMOKE SEALING/GASKETING	-
	1	CARD READER	SEE ELEC SPEC'S	CARD READER TO OPERATE AUTOMATIC DOOR CLOSER (FOR DOOR D02 ONLY) ⚠1	-
	2	PUSH BUTTON	SEE ELEC SPEC'S	PUSH BUTTON TO OPERATE AUTOMATIC DOOR CLOSER	-
⚠1	1	WALL STOP	GSH	250 (PROVIDE BACKING BEHIND DRYWALL)	26D
	2	DOOR SWEEP	PEMKO	412SRL (ROOM SIDE SURFACE)	32D
HW2 (EQUIP. ROOM)	4	HINGE	MCKINNEY	4 1/2" X 4 1/2" HEAVY WT MPB68	26D
	1	LOCKSET	SCHLAGE	STOREROOM LOCK - L9080 06B	26D
	1	CLOSER	LCN	4040XP - PULL SIDE & METAL COVER	689
	2	DOOR PROTECTION	ACROVYN	ACROVYN 4000 - KICK PLATE - KP-60N (COLOUR : OYSTER GRAY 929) - FIRE RATED	SUEDE
	1	WALL STOP	GSH	250 (PROVIDE BACKING BEHIND DRYWALL)	26D

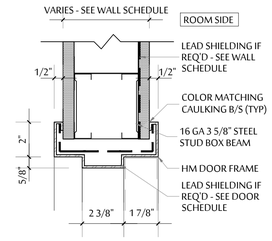
NOTE :
1. SINGLE DOOR FRAME TO COME WITH 3 RUBBER BUMPERS ON SIDE OF FRAME AND DOUBLE DOOR FRAME WITH 2 ON TOP OF FRAME
2. ENTRANCE DOORS TO BE SEALED TO MAINTAIN ROOM PRESSURIZATION PER MECH REQUIREMENTS



T1 TYPICAL THRESHOLD DETAIL
SCALE : 3" = 1'-0"



J1 HM DOOR JAMB DETAIL
SCALE : 3" = 1'-0"



H1 HM DOOR HEAD DETAIL
SCALE : 3" = 1'-0"

ROOM FINISH SCHEDULE

LOCATION		WALL (SEE NOTE 2 & 3)				FLOOR (SEE NOTE 1)	BASE	CEILING	NOTES
RM #	ROOM NAME	NORTH	EAST	SOUTH	WEST				
01	INTER FLUORO ROOM	PAINT PT1	PAINT PT1	PAINT PT1	PAINT PT2	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE NOTE 5
02	CONTROL ROOM	PAINT PT1	PAINT PT1	PAINT PT2	PAINT PT1	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE NOTE 5
03	SURGICAL PREP AREA	PAINT PT1	PAINT PT1	PAINT PT2	PAINT PT1	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE NOTE 5
04	EQUIPMENT ROOM	PAINT PT1	PAINT PT1	PAINT PT1	PAINT PT1	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE NOTE 5

GENERAL NOTES :

1. PATCH & SKIM COAT TO LEVEL EX FLOOR BEFORE INSTALLING SHEET VINYL FLOOR
2. ALLOW 1 ACCENT WALL PAINT COLOR - FINAL LOCATIONS TO BE DETERMINED ON SITE
3. PATCH & MAKE GOOD EX WALLS BEFORE PROVIDING NEW PAINT FINISH
4. SEE DWG 4/A5.03 FOR INTEGRAL SHEET VINYL WALL BASE DETAIL

FINISHES & FIXTURES SCHEDULE

	DESCRIPTION	TYPE	SIZE	BRAND	MODEL	COLOR/FINISH	NOTES
PAINT	WALL - FIELD COLOR	PT1	-	DULUX	LIFEMASTER (ZERO VOC)	ENDURING ICE - DLX1102-1	SHEEN : EGGSHELL
	WALL - ACCENT COLOR	PT2	-	DULUX	LIFEMASTER (ZERO VOC)	EMBELLISHMENT - DLX1151-2	SHEEN : EGGSHELL
	METAL DOOR FRAME	PT3	-	DULUX	LIFEMASTER (ZERO VOC)	MOTH GRAY - DLX1024-4	SHEEN : SEMI-GLOSS
	WOOD DOOR	PT3	-	DULUX	LIFEMASTER (ZERO VOC)	MOTH GRAY - DLX1024-4	SHEEN : SEMI-GLOSS
	CEILING	PT4	-	DULUX	LIFEMASTER (ZERO VOC)	DELICATE WHITE - DLX1001-1	SHEEN : FLAT
	WOOD WINDOW FRAME	PT5	-	DULUX	LIFEMASTER (ZERO VOC)	ENDURING ICE - DLX1102-1	SHEEN : SEMI-GLOSS
	WALL - CORRIDOR	PT6	-	DULUX	LIFEMASTER (ZERO VOC)	MATCH EXISTING	SHEEN : MATCH EXISTING
FLOORING	SHEET VINYL - FIELD COLOUR	SV1	2mm THICK	JOHNSONITE	IQ GRANIT	770 SOFT FLEECE WB	SEE FINISHES PLAN DWG A2.03 FOR EXTENT
	SHEET VINYL - CORRIDOR BORDER INFILL	SV2	2mm THICK	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	SEE FINISHES PLAN DWG A2.03 FOR EXTENT
MILLWORK	PLAS LAM-BASE CABINET	PL1	-	NEVAMAR	HIGH PRESSURE LAMINTE	GRAPHITE BLUE S3023-T	FINISH: ARP (T-)
	PLAS LAM-UPPER CABINET	PL2	-	NEVAMAR	HIGH PRESSURE LAMINATE	BONE WHITE S7032-T	FINISH: ARP (T-)
	PLAS LAM-UPPER CABINET	PL3	-	NEVAMAR	HIGH PRESSURE LAMINATE	GARDEN MIST SG0004-T	FINISH: ARP (T-)
	DOOR HANDLE	DH1	-	RICHELIEU	1076CV	CHROME	-
WALL PROTECTION	CORNER GUARD 90 DEG	CG1	3" LEG	C/S ACROVYN 4000	SM-20N	#929 OYSTER GRAY	SEE FLOOR PLAN FOR HEIGHT
	CRASH RAIL	CR1	8" H	C/S ACROVYN	SCR-80	#929 OYSTER GRAY	ALUMINUM CLIP, SURFACE MOUNTED
	CRASH RAIL	CR2	5" H	C/S ACROVYN	SCR-50	#929 OYSTER GRAY	ALUMINUM CLIP, SURFACE MOUNTED
	WALL PROTECTION	WP1	0.06" THK	C/S ACROVYN 4000	-	#929 OYSTER GRAY	COMPLETE WITH COLOUR MATCHING CAULKING AT BUTT JOINT & WAINSCOT TRIM ON EXPOSED TOP & SIDES
	WALL PROTECTION	WP2	0.09" THK	PANOLAM	FRP	WHITE (CLASSIC COLLECTION) SMOOTH (SURFACE TEXTURE)	COMPLETE WITH COLOUR MATCHING CAULKING AT BUTT JOINT & WAINSCOT TRIM ON EXPOSED TOP & SIDES
CEILING	SUSPENDED T-BAR	ATC1	15/16"	ARMSTRONG	15/16" CLEAN ROOM ALUMINUM	WHITE	
	ACOUSTIC CEILING PANEL		24" X 24"	ARMSTRONG	ULTIMA HEALTH ZONE HIGH NRC	WHITE	SQUARE LAY-IN PANELS NRC : 0.80 / CAC : 35
MISCELLANEOUS	LEAD APRON HOOK	AH1	-	BOBRICK	HEAVY-DUTY CLOTHES HOOK B-2116	SATIN NICKEL-PLATED FINISH	COMPLETE WITH CONCEALED MOUNTING PROVIDE BACKING AS REQUIRED; SEE PLAN & ELEVATIONS FOR TOTAL NUMBER
	ROLLBOARD HOOK	RH1	-	SAMARIT	ROLLBOARD WALL MOUNT	WHITE	PROVIDE BACKING AS REQUIRED
	UNDER DESK CABLE TRAY ORGANIZER	CTO1	23.6" W	PROGRESSIVE DESK	D0-06-BLACK	BLACK POWDER COATED STEEL	MOUNT TO UNDERSIDE OF DESK

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7	ISSUED FOR ADDENDUM 1 ⚠1	FEB 22, 2021	RC
6	ISSUED FOR TENDER	FEB 10, 2021	RC
5	ISSUED FOR 80% CD	DEC 16, 2020	RC
4	ISSUED FOR BP SUBMISSION	DEC 4, 2020	RC
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

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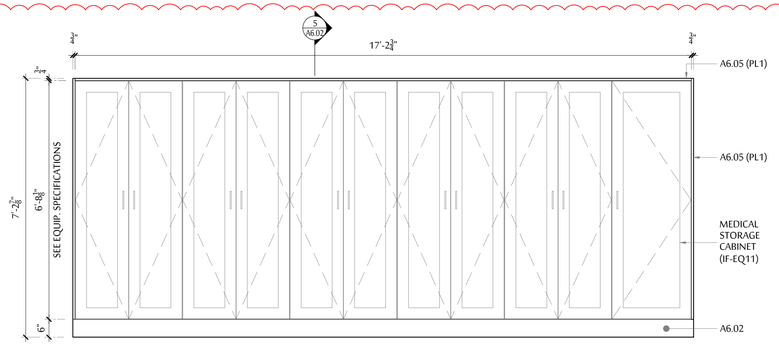
UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 1 - INTER FLUORO DOOR, HARDWARE, FINISHES & ROOM SCHED.

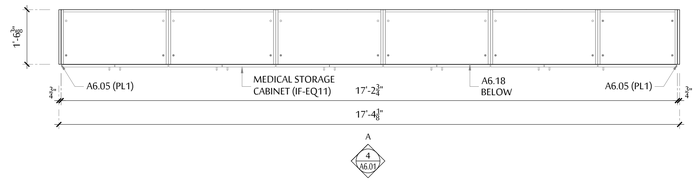
SCALE: AS NOTED
DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

PHASE 1
A5.02



MILLWORK MW04
PLAN

4A SCALE : 1/2" = 1'-0"



MILLWORK MW04
PLAN

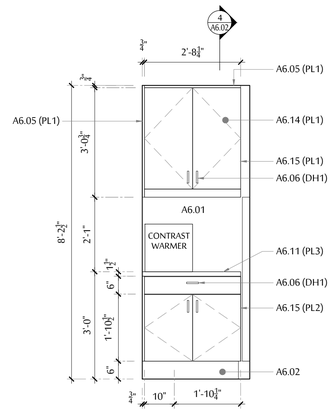
4 SCALE : 1/2" = 1'-0"

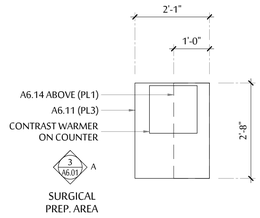
INTERIOR KEY NOTES

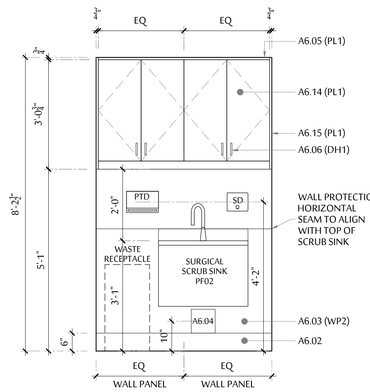
1. ALL WORKS BELOW ARE NEW INCLUDING SUPPLY & INSTALLATION OF MATERIALS U.N.O.
2. SEE DWG A5.02 FOR FINISHES.
3. ALL WOOD GRAIN FINISHES TO BE ORIENTED VERTICALLY WITH CLEAR LACQUERED FINISH & TO BE BOOK-MATCHED U.N.O.
4. ALL CABINETRY DOOR HINGES AND DRAWER SLIDES TO BE SOFT-CLOSING U.N.O.
5. CASEWORK BACKS NOTED AS 'DOWEL CONSTRUCTION' MUST BE SCREWED TO CASE BODY & NAILED OR STAPLED TO DIVISIONS & FIXED SHELVES.
6. ALL GAPS BETWEEN DOORS OR BETWEEN DOORS AND FIXED PANEL TO BE 1/16" WIDE.

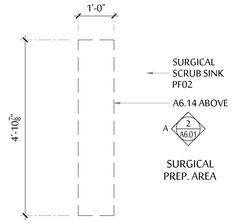
A6.01 PAINTED DRYWALL
A6.02 INTEGRAL SHEET VINYL BASE WITH TOP CAP
A6.03 WALL PROTECTION
A6.04 COVER PLATE FOR PLUMB VALVE - SEE PLUMB DWGS
A6.05 FILLER PANEL WITH MATCHING FINISH
A6.06 CABINET DOOR OR DRAWER HANDLE
A6.07 1 1/2" THK COUNTERTOP WITH PLASTIC LAMINATE FINISH & PVC ACCENT EDGING
A6.08 BASE CABINET WITH DOORS, DRAWERS OR SHELVING
A6.09 1 PIECE CONT 3/4" X 3" SUPPORTING STEEL SECTION UNDER COUNTERTOP
A6.10 BLACK SPEEDBRACE METAL BRACKET
A6.11 1 1/2" THK DESKTOP WITH PLAS LAM FINISH & PVC ACCENT EDGING
A6.12 ADJUSTABLE 3/4" THK PLYWOOD SHELF WITH PLAS LAM FINISH AND 3MM THK RIGID PVC ACCENT EDGE
A6.13 1/16" ROUTED SEAM TO BE PAINTED BLACK
A6.14 UPPER CABINET WITH DOORS
A6.15 FINISHED END, SIDE OR TOP PANEL
A6.16 FULL HEIGHT CABINET WITH ADJUSTABLE SHELVING
A6.17 36"W WIRE POWDER COATED STEEL BASKET CABLE TRAY MOUNTED TO UNDERSIDE OF DESK
A6.18 MEDICAL STORAGE CABINET BASE PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS

1









MILLWORK MW02
PLAN

3A SCALE : 1/2" = 1'-0"

MILLWORK MW02
PLAN

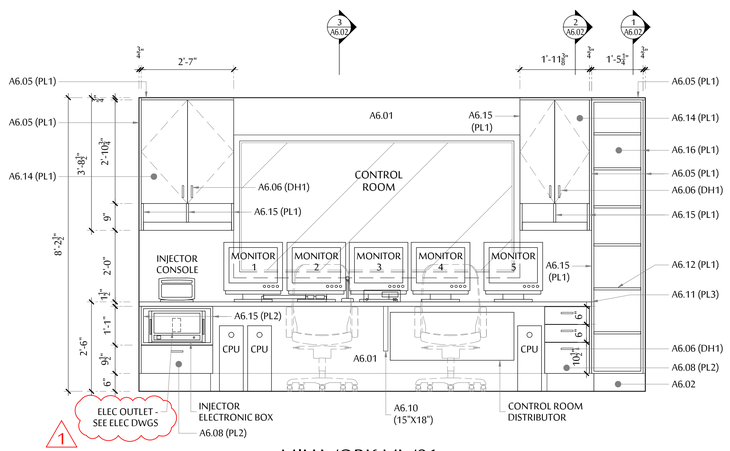
3 SCALE : 1/2" = 1'-0"

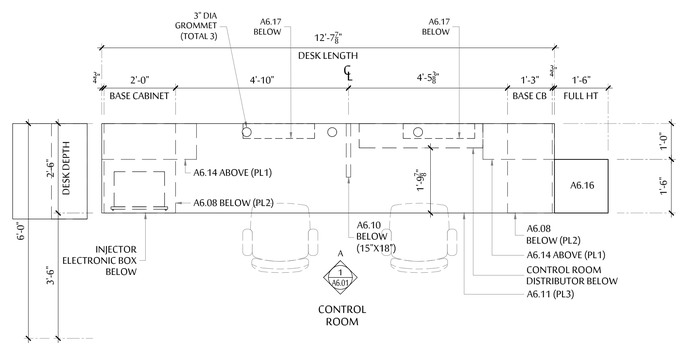
MILLWORK MW02
WEST ELEVATION

2A SCALE : 1/2" = 1'-0"

MILLWORK MW02
PLAN

2 SCALE : 1/2" = 1'-0"





MILLWORK MW01
NORTH ELEVATION

1A SCALE : 1/2" = 1'-0"

MILLWORK MW01
PLAN

1 SCALE : 1/2" = 1'-0"

ARCHITECT :

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No.	REVISION	DATE	BY
7	ISSUED FOR ADDENDUM 1 (1)	FEB 22, 2021	RC
6	ISSUED FOR TENDER	FEB 10, 2021	RC
5	NOT ISSUED	-	-
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

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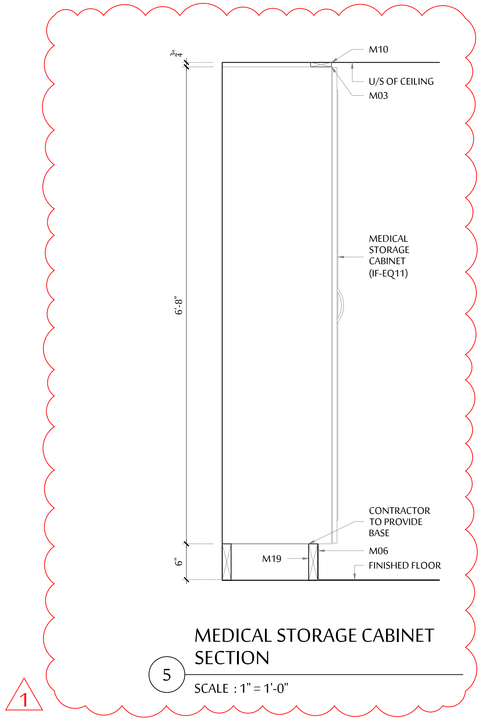
1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 1 - INTER FLUORO MILLWORK PLANS & ELEVATIONS

SCALE: AS NOTED
DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

PHASE 1
A6.01



MEDICAL STORAGE CABINET SECTION

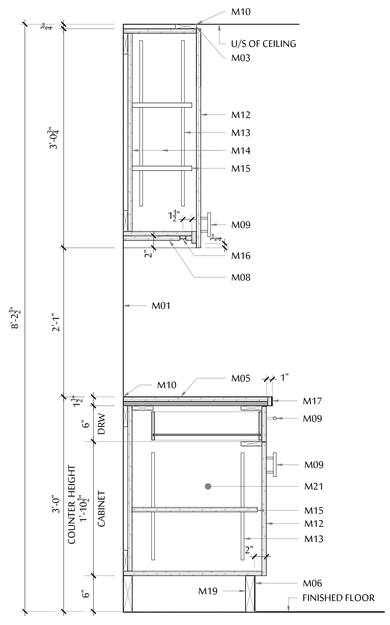
5 SCALE : 1" = 1'-0"

1

INTERIOR KEY NOTES

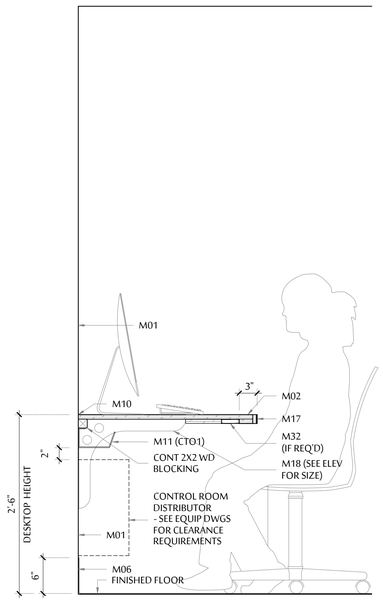
1. ALL WORKS BELOW ARE NEW INCLUDING SUPPLY & INSTALLATION OF MATERIALS U.N.O.
2. SEE DWG A5.02 FOR FINISHES.
3. ALL WOOD GRAIN FINISHES TO BE ORIENTED VERTICALLY WITH CLEAR LACQUERED FINISH & TO BE BOOK-MATCHED U.N.O.
4. ALL CABINETRY DOOR HINGES AND DRAWER SLIDES TO BE SOFT-CLOSING U.N.O.
5. CASEWORK BACKS NOTED AS 'DOWEL CONSTRUCTION' MUST BE SCREWED TO CASE BODY & NAILED OR STAPLED TO DIVISIONS & FIXED SHELVES.
6. ALL GAPS BETWEEN DOORS OR BETWEEN DOORS AND FIXED PANEL TO BE 1/16" WIDE.

M01 PAINTED DRYWALL
M02 DESKTOP WITH 3/4" THK PLYWOOD WITH PLAS LAM FINISH
M03 FILLER PANEL WITH MATCHING FINISH
M04 3/4" THK MDF CABINET DOOR OR DRAWER FRONT W/ FIR VENEER FINISH
M05 COUNTERTOP WITH 3/4" THK PLYWOOD WITH PLAS LAM FINISH
M06 FLOOR BASE - SEE MILLWORK ELEVATIONS
M07 3/4" THK TOP PANEL WITH PLAS LAM. FINISH
M08 3/4" THK END PANEL WITH PLAS LAM FINISH
M09 CABINET DOOR PULL
M10 CONT COLOR MATCHING CAULKING WHERE MILLWORK MEETS WALL AND FLOOR AND SUSPENDED ACOUSTIC CEILING
M11 36"W WIRE POWDER COATED STEEL BASKET CABLE TRAY MOUNTED TO UNDERSIDE OF DESK
M12 3/4" THK MDF CABINET DOOR OR DRAWER FRONT WITH PLAS LAM FINISH & MATCHING EDGE BAND
M13 ADJUSTABLE RECESSED METAL SHELF STANDARDS (TYP)
M14 3/4" PLYWOOD BUILT CABINETRY WITH PLAS LAM FINISH - ALL EXPOSED FASTENERS TO BE COUNTERSUNK WITH MATCHING SCREW COVERS
M15 ADJUSTABLE 3/4" THK PLYWOOD SHELF WITH PLAS LAM FINISH AND 3MM THK RIGID PVC ACCENT EDGE
M16 LED STRIP LIGHTING WHERE INDICATED ON ELEC DWG
M17 1 1/2" W X 1/8" THK THICK PVC ACCENT EDGING
M18 BLACK SPEEDBRACE METAL BRACKET
M19 WOOD BLOCK FRAMING
M20 1 1/2" THK END OR SIDE PANEL WITH PLAS LAM FINISH
M21 3/4" PLYWOOD BUILT DRAWER CABINET WITH PLAS LAM FINISH - ALL EXPOSED FASTENERS TO BE COUNTERSUNK WITH MATCHING SCREW COVERS
M22 FIXED 3/4" THK PLYWOOD SHELF WITH PLAS LAM FINISH AND 3MM THK RIGID PVC ACCENT EDGE
M23 3/4" THK MDF CABINET DOOR WITH 2" WIDE ANODIZED ALUM FRAME AND FROSTED GLASS PANEL
M24 3/4" THK PANEL WITH FIR VENEER FINISH
M25 3/4" THK QUARTZ COUNTERTOP ON (2) 3/4" THK PLYWOOD
M26 3/4" THK SOLID SURFACING COUNTERTOP ON 3/4" THK PLYWOOD WITH 1 1/2" THK SQUARE EDGE SOLID SURFACING NOSING & INTEGRAL 4"H BACKSPLASH
M27 1/2" MONOLITHIC CLEAR, TEMPERED GLASS - SEE WINDOW SCHEDULE A5.01 FOR DETAILS
M28 3/4" THICK QUARTZ COUNTERTOP ON 3/4" THICK PLYWOOD BACKING
M29 1 1/2" THICK PLYWOOD COUNTER TOP WITH FIR VENEER FINISH (NOT USED)
M30 4 1/2" HIGH 18 GA STAINLESS STEEL TOE PLATE
M31 1 1/2" DEEP 1/8" THK STAINLESS STEEL U-CHANNEL W/ SATIN FINISH ANCHORED TO RECEPTION DESK - SEE WINDOW SCHEDULE A5.01 FOR DETAILS
M32 1 PIECE CONT 3/4" X 3" SUPPORTING STEEL SECTION UNDER COUNTERTOP
M33 3/4" PLYWOOD DIVIDER FINISHED WITH FIR VENEER BOTH SIDES
M34 1/2" THK PANEL WITH FIR VENEER FINISH
M35 2 1/4" DEEP 1/8" THK STAINLESS STEEL U-CHANNEL W/ SATIN FINISH - SEE WINDOW SCHEDULE A5.01 FOR DETAILS
M36 WALL PROTECTION - SEE FINISH SCHEDULE



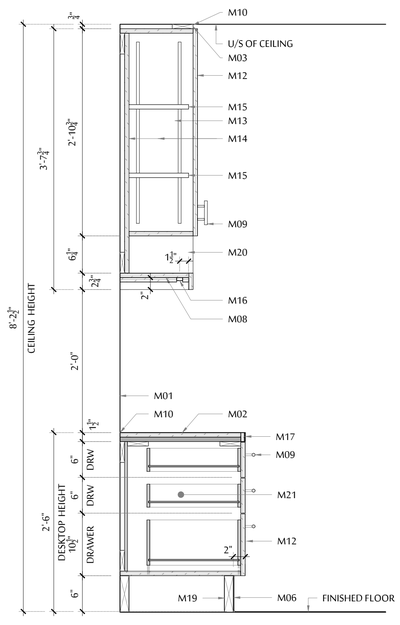
UPPER & LOWER CABINET SECTION

4 SCALE : 1" = 1'-0"



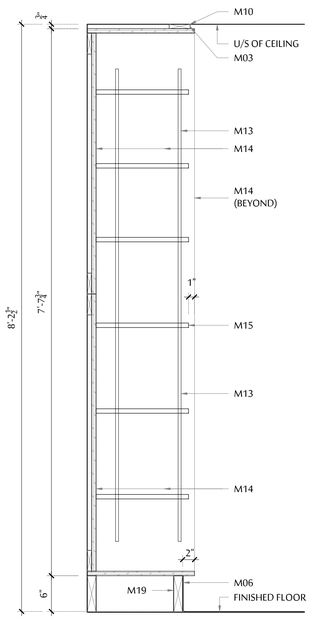
CONTROL ROOM DESKTOP SECTION

3 SCALE : 1" = 1'-0"



OFFICE DESKTOP UPPER & LOWER CABINET SECTION

2 SCALE : 1" = 1'-0"



FULL HEIGHT CABINET SECTION (TYPICAL)

1 SCALE : 1" = 1'-0"

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5	NOT ISSUED	-	-
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

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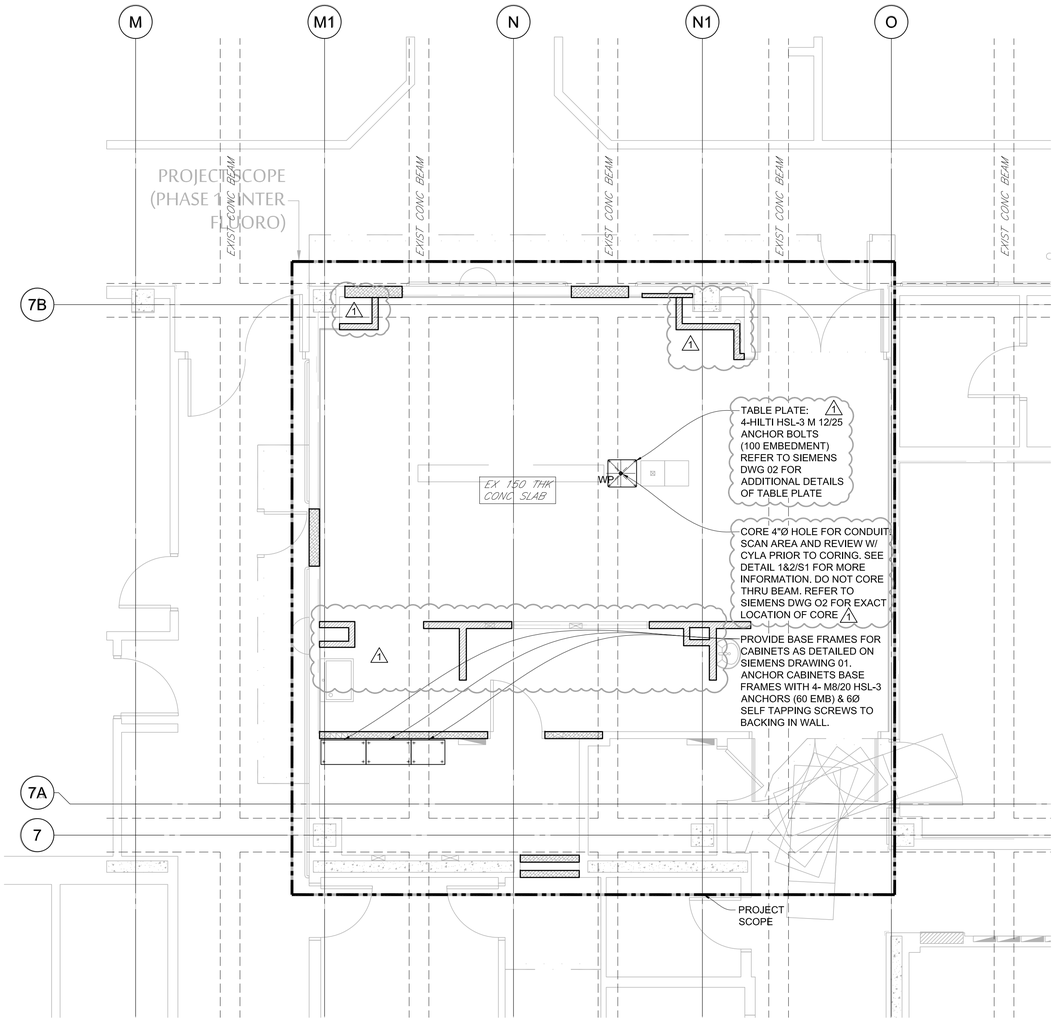
1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

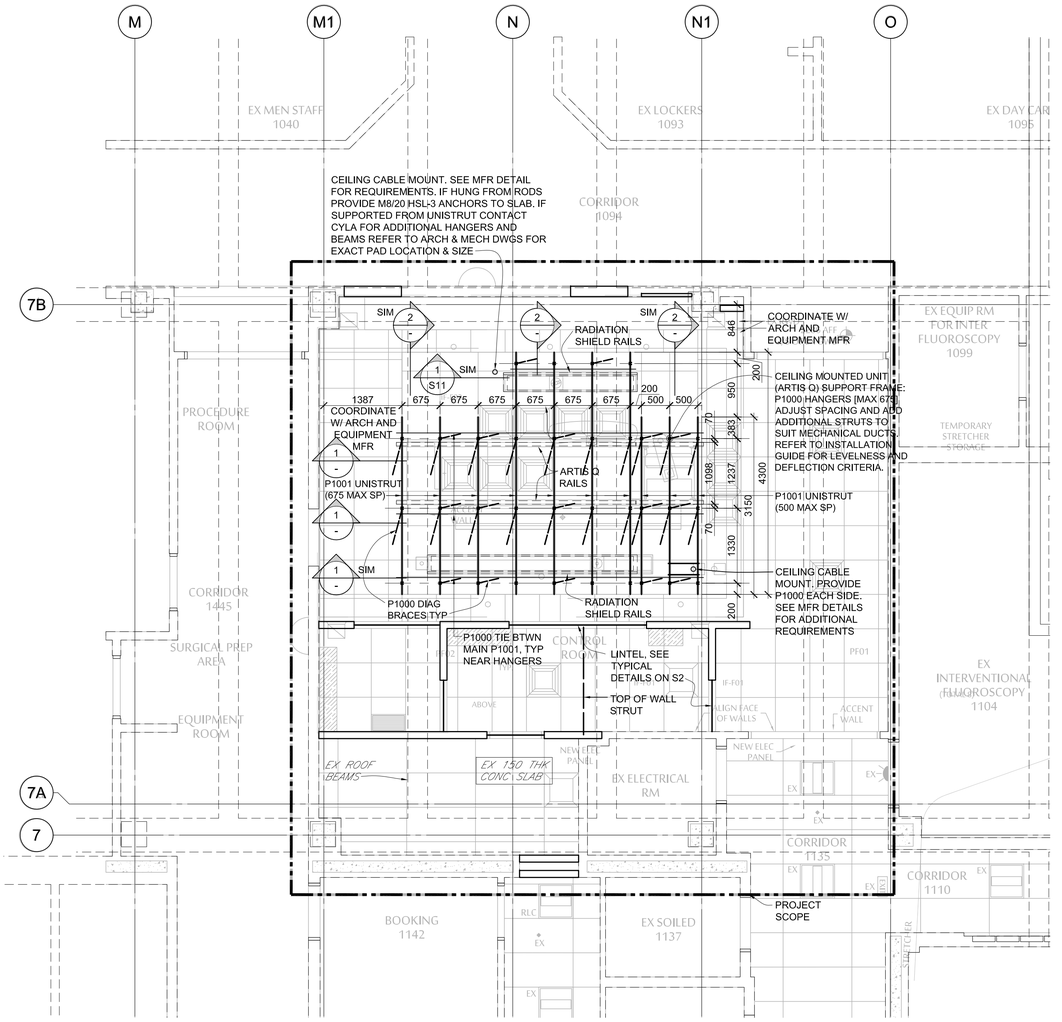
PHASE 1 - INTER FLUORO MILLWORK SECTIONS

SCALE: AS NOTED
DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

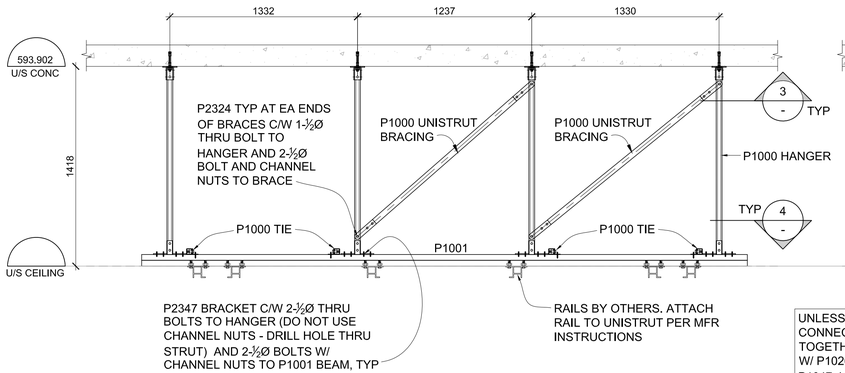
PHASE 1
A6.02



UHNBC - LEVEL 1 PART PLAN B / - 1:50

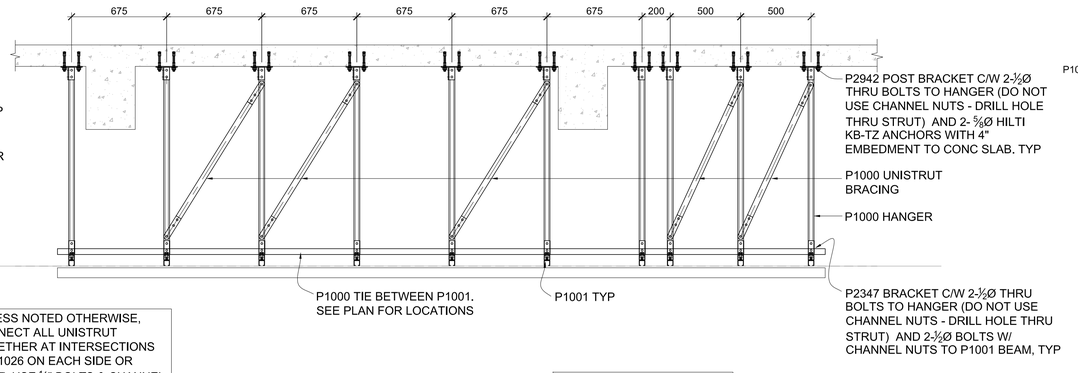


UHNBC - LEVEL 1 RCP C / - 1:50



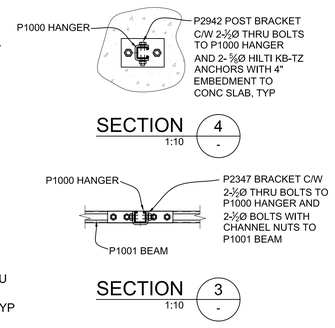
SECTION 1 / S10 - 1:20

UNLESS NOTED OTHERWISE, CONNECT ALL UNISTRUT TOGETHER AT INTERSECTIONS W/ P1026 ON EACH SIDE OR P1047. USE ½" BOLTS & CHANNEL NUT.



SECTION 2 / S10 - 1:20

XR UNIT SUPPORT FRAME: IF MECHANICAL EQUIPMENT CONFLICTS WITH LAYOUT CONTACT CYLA FOR ALTERNATE FRAMING



SECTION 4 / - 1:10

SECTION 3 / - 1:10

ON STRUCTURAL DRAWINGS, *EXISTING ELEMENTS ARE TYPICALLY ANNOTATED WITH ITALIC TEXT*
ALL WORK IN NON-ITALICIZED TEXT IS NEW EXCEPT WHERE NOTED.

ARCHITECT :

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Consulting Structural Engineers
1863 Powell Street
Vancouver, B.C. V5L 1H8
T: 604.254.0868
E: cyla@cyla.ca

No.	REVISION	DATE	BY
01	ISSUED FOR TENDER ADDENDUM 1	2020.02.22	SAL
	ISSUED FOR TENDER	2020.02.10	SAL
	ISSUED FOR REVIEW	2020.01.13	SAL
	ISSUED FOR 80% CD	2020.12.16	SAL
	ISSUED FOR BUILDING PERMIT	2020.12.04	SAL
	ISSUED FOR DD REVIEW	2020.11.20	SAL

northern health
the northern way of caring

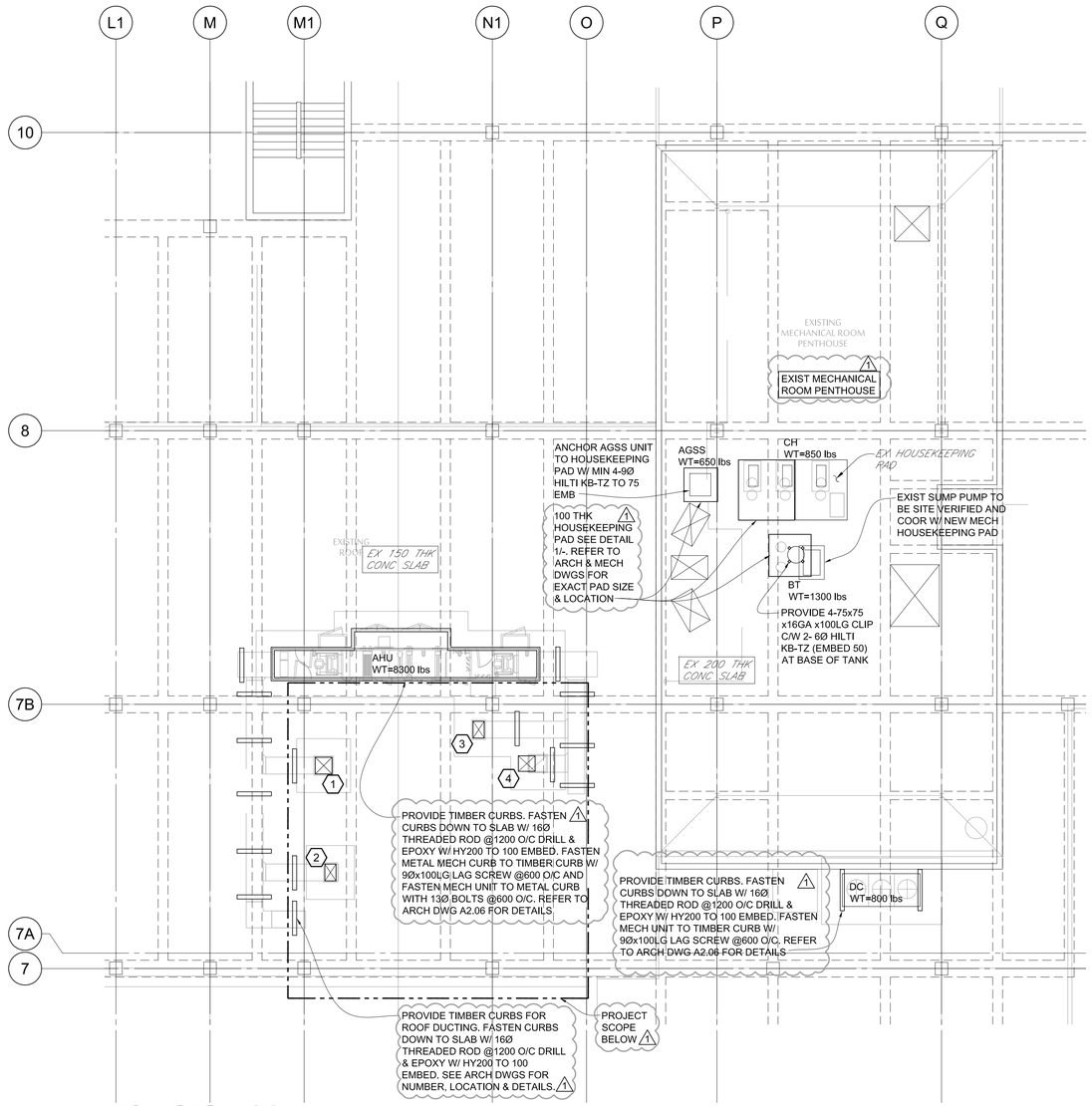
UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 1 - INTER FLUORO LEVEL 1 & RCP PLANS & SECTIONS

SCALE: AS NOTED
DATE: FEBRUARY 2021
DRAWN: SAL
CHECKED: KM
JOB No.: 11815

PHASE 1
S10



SLAB OPENINGS:
REFER TO ARCH DWGS A2.06 FOR EXACT LOCATION OF OPNGS
SCAN CONCRETE AT PROPOSED OPENING AND PROVIDE PHOTOS FOR REVIEW, SIZES:

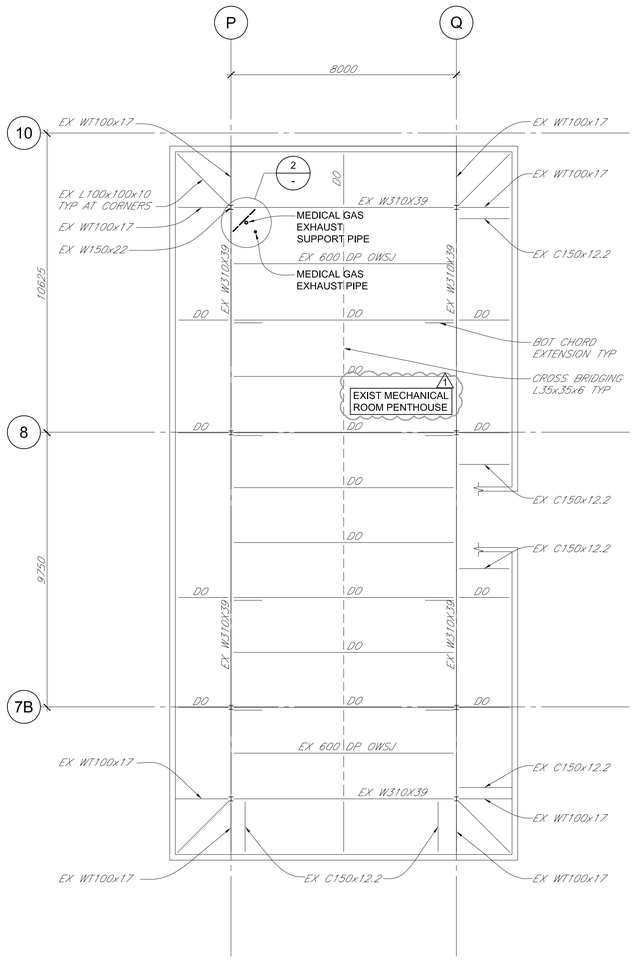
1. 700x650
2. 700x500
3. 700x500
4. 700X650

ALL OPENING TO BE MIN 300 CLR FROM EX BEAM

UHNBC - ROOF PART PLAN

D
-

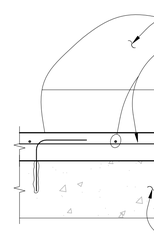
1:100



UHNBC - PENTHOUSE ROOF PLAN

E
-

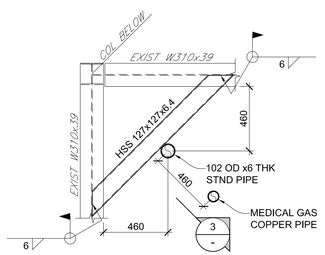
1:100



TYP HOUSEKEEPING PAD

1
-

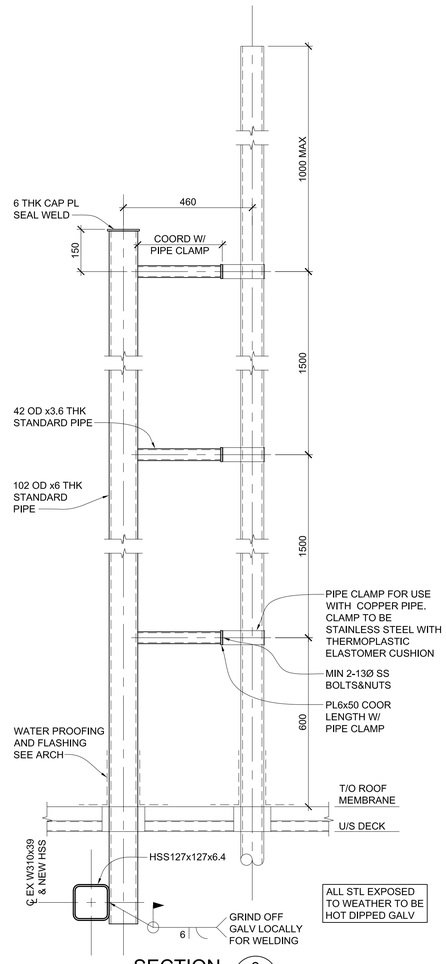
1:10



PLAN DETAIL

2
-

1:20



ALL STL EXPOSED TO WEATHER TO BE HOT DIPPED GALV

SECTION

3
-

1:10

ON STRUCTURAL DRAWINGS, *EXISTING ELEMENTS ARE TYPICALLY ANNOTATED WITH ITALIC TEXT*
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	ISSUED FOR TENDER	2020.02.10	SAL

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UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

PHASE 1 - INTER FLUORO ROOF & PENTHOUSE PLANS & SECTIONS

SCALE: AS NOTED
DATE: FEBRUARY 2021
DRAWN: SAL
CHECKED: KM
JOB No.: 11815

PHASE 1
S11
1

Addendum

Client: Northern Health

Project Name: UHN Fluoroscopy

Project Number: 20_002

Attention: Douglas Cheung

Date: February 22, 2021

Addendum No: 1

Number of Pages: 1

General

1. Clarification:
    a. All penetrations to be scanned and reviewed by structural consultant before coring.
    b. Refer to architectural drawings for project area. Any work outside of the project area is to be performed after hours.
    c. Refer to architectural/structural for exact location of duct penetrations housekeeping pads and roof curbs.
        i. Refer to architectural and structural drawings for curb and pad details.

Drawings

2. ADD: Drawing M4.100 Schematics
    a. New equipment and piping connections shown on schematic
    b. Phasing notes included to maintain operation of existing cooling system

3. ADD: Drawing M5.100 Schedules:
    a. AHU Schedule and Cutsheet.
        i. Refer to the attached document.
    b. Anesthetic Gas Scavenging System.
        i. Refer to the attached document.
    c. Glycol and Expansion Tank.
        i. Refer to the attached document.

4. NOTE: Drawing M5.200 Specifications
    a. Controls
        i. The base building controls contractor is Houle
            - Contact: Nick Hauff
            - Nick@houle.ca
        ii. A cash allowance for the controls scope will be issued in the next addendum.

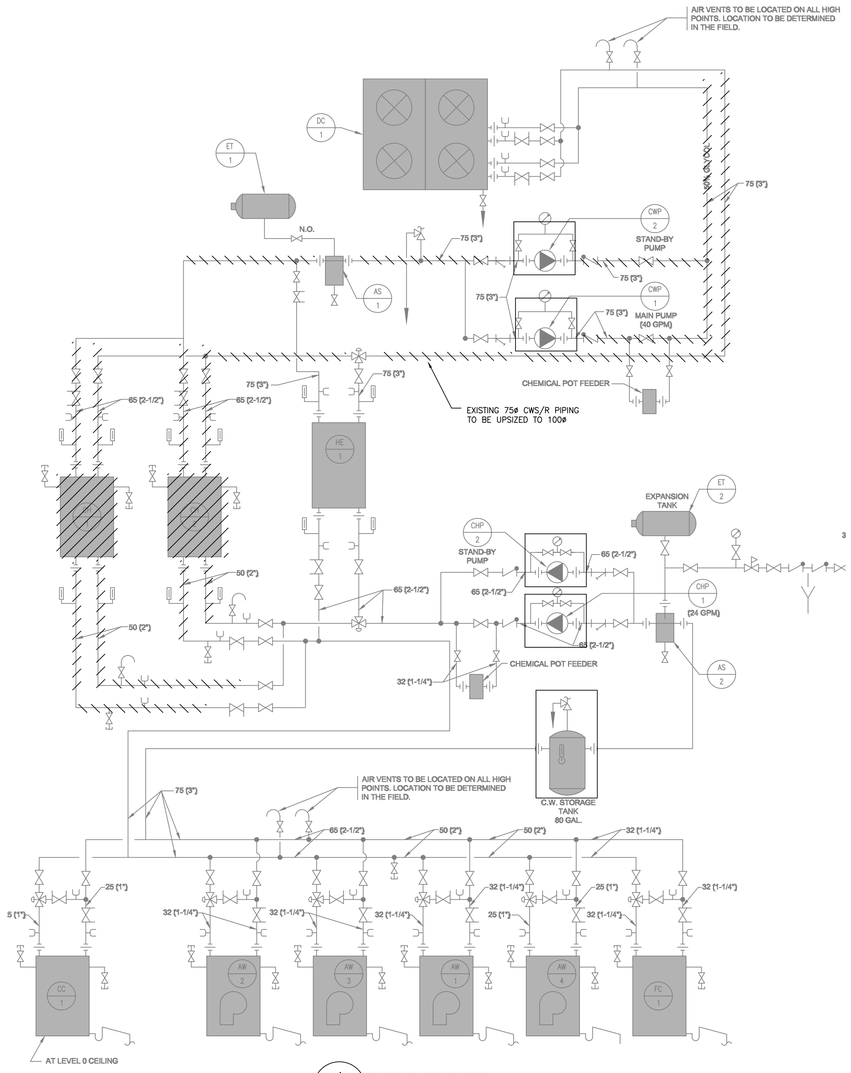
b. Medical Gas
    i. Medical Gas outlets to be Amico DISS outlets
    ii. Combination Area Alarm and Zone Valve Box:
        - Valve box: zone valve box assembly with quarter turn on/off ball valves. Ball valves to be 25mm diameter and 32mm diameter, full port style suitable for medical gas service. Provide c/w valve piping extensions, 0-100psi and 0-30"hg gauges, 6mm diameter NPTF gauge port, suitable for WOG service to 400 psig, vacuum service of –29"hg. Securely fasten within 18 gauge painted steel casing. Provide with adjustable mounting frame and cover. Cover to have removable window marked Caution –Medical Gas Shut-off Valves – Close Only In Emergency.
            a. Amico Alarm Valve Combo: Alert Series or equivalent

End of Document

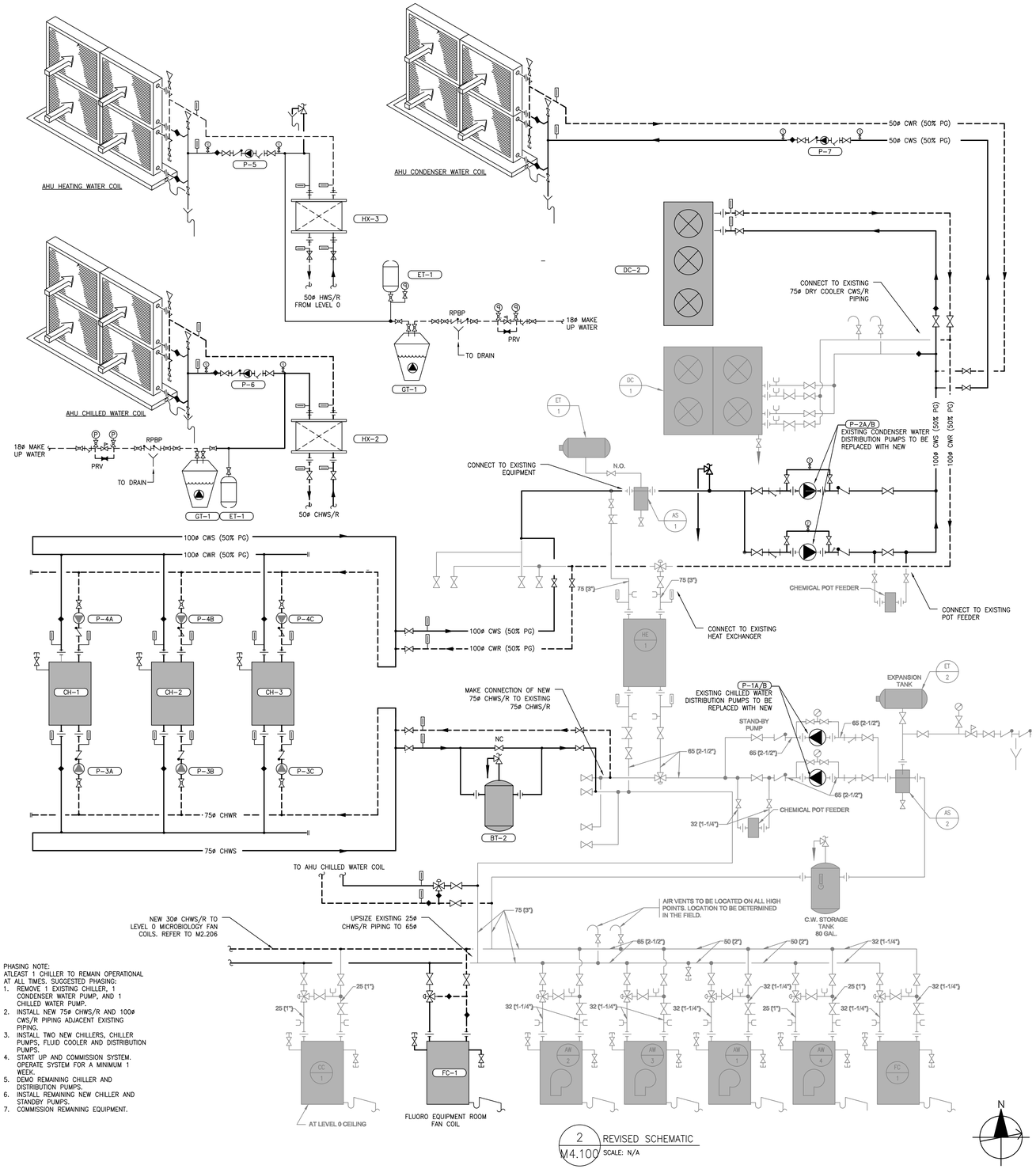
Attachments:

- M4.100
- AHU Equipment Schedule
- AGSS Equipment Cutsheet
- Glycol Equipment Schedule

Jason Le, P.Eng., CEM
Senior Mechanical Engineer
P: 604 992 5920
E: jle@impacteng.ca



1 EXISTING SCHEMATIC
M4.100 SCALE: N/A



PHASING NOTE:
ATLEAST 1 CHILLER TO REMAIN OPERATIONAL AT ALL TIMES. SUGGESTED PHASING:
1. REMOVE 1 EXISTING CHILLER, 1 CONDENSER WATER PUMP, AND 1 CHILLED WATER PUMP.
2. INSTALL NEW 75ø CHWS/R AND 100ø CWS/R PIPING ADJACENT EXISTING PIPING.
3. INSTALL TWO NEW CHILLERS, CHILLER PUMPS, FLUID COOLER AND DISTRIBUTION PUMPS.
4. START UP AND COMMISSION SYSTEM. OPERATE SYSTEM FOR A MINIMUM 1 WEEK.
5. DEMO REMAINING CHILLER AND DISTRIBUTION PUMPS.
6. INSTALL REMAINING NEW CHILLER AND STANDBY PUMPS.
7. COMMISSION REMAINING EQUIPMENT.

2 REVISED SCHEMATIC
M4.100 SCALE: N/A

ARCHITECT :
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MECHANICAL CONSULTANT :
Impact ENGINEERING
312 Main Street
Vancouver, BC, V6A 2T2
www.impacteng.ca
(604) 200-9087

No.	REVISION	DATE	BY
5	ISSUED FOR ADDENDUM #1	2021.02.22	JL
4	ISSUED FOR TENDER	2021.02.10	JL
3	ISSUED FOR 80% CD	2020.12.15	JL
2	ISSUED FOR BUILDING PERMIT	2020.12.04	JL
1	ISSUED FOR DD	2020.11.19	KM

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UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

SCHEMATICS

SCALE: NTS
DATE: FEB 22 2021
DRAWN: KM
CHECKED: JL
JOB No.: 20_002

M4.100

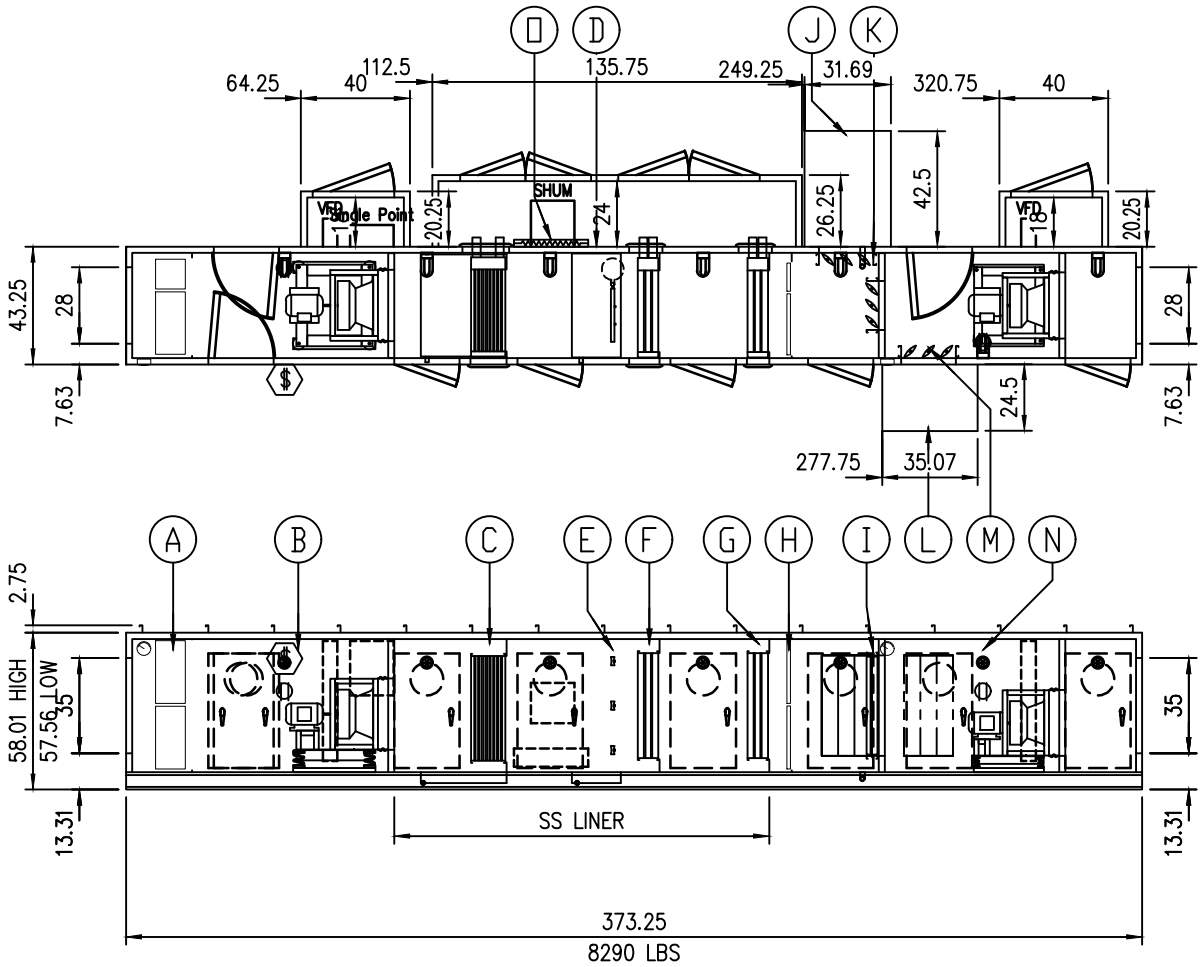
SYSTEM DATA

TAG			AHU-1		
SERVICE			Fluoroscopy Project		
MANUFACTURER			Haakon		
MODEL			Custom		
TYPE			Roof Top Unit		
AIRFLOW	(CFM)		4000.0		
DIMENSIONS	(LxWxH)		373x44x58"	REFER TO DRAWINGS FOR PIPING CABINET DIMENSIONS	
WEIGHT	(LBS)		8290.0		

FAN DATA			SUPPLY	RETURN	
PHASE 1: AIRFLOW	(CFM)		2300	2300	
PHASE 1: TOTAL STATIC	(IN WC)		2	1.2	
PHASE 1: EXTERNAL STATIC	(IN WC)		1	1	
PHASE 2: AIRFLOW	(CFM)		3000	3000	
PHASE 2: TOTAL STATIC	(IN WC)		2.7	1.3	
PHASE 2: EXTERNAL STATIC	(IN WC)		1	1	
PHASE 3: AIRFLOW	(CFM)		3500	3500	
PHASE 3: TOTAL STATIC	(IN WC)		3.3	1.4	
PHASE 3: EXTERNAL STATIC	(IN WC)		1	1	
PHASE 4: AIRFLOW	(CFM)		4000	4000	
PHASE 4: TOTAL STATIC	(IN WC)		4	1.5	
PHASE 4: EXTERNAL STATIC	(IN WC)		1	1	
MOTOR	(HP)		5	3	
RPM	(RPM)		1750	1750	
ELECTRICAL	(V)		575/3/60	575/3/60	

COILS			**COOLING**	**HEATING (HIGH TEMP)**	**HEATING (PREHEAT)**
COOLING TOTAL	(MBH)		117.52	-	-
COOLING SENSIBLE	(MBH)		96.56	-	-
HEATING	(MBH)		-	220	110
APD	(IN WC)		1	0.13	0.17
EDB	(F)		80	30	30
EWB	(F)		67	-	-
LDB	(F)		57	80	55
LWB	(F)		57	-	-
FLUID			50% PG	50% PG	50% PG
FLUID FLOW RATE	(GPM)		34	24	12
EWT	(F)		45	180	100
LWT	(F)		53	160	80
WPD	(FT)		12.7	6.1	9
ROW			8	2	2
SIZE			39x30	39x30	39x30

NOTES	
NOTE (1)	MERV 8 PREFILTER, MERV 14 FINAL FILTER (AFTER SUPPLY FAN)
NOTE (2)	REFER TO DRAWINGS FOR DIMENSIONS AND SIZE OF REQUIRED PIPING CABINETS
NOTE (3)	AHU SUPPLIED WITH BASE RAIL AND STEEL CURB
NOTE (4)	C/W VIBRATION ISOLATORS
NOTE (5)	C/W HUMIDIFER AND ELECTRIC STEAM GENERATOR 30.76 LBS/HR STEAM.BASIS OF DESIGN; DRISTEEM CRUV-12 HUMIDISTAT, AIR PROVING SWITCH, DRAIN COOLER, VAPOR LOGIC CONTROLS WITH BACNET.
NOTE (6)	CABINET HEATER. 0.5 KW BASEBOARD HEATER
NOTE (7)	FANS C/W VFDS.
NOTE (8)	REFER TO SPECITICATIONS FOR ADDITIONAL DETAILS



0 24 48 72 96

(N) Service : RF
Fan: 16"A EPFN SW, Arrangement-4

Class: 1 Max RPM: 2668

	PH-1	PH-2	PH-3	PH-3+500
A.F.(cfm):	2300	3000	3500	4000
T.S.P.(in wc):	1.2	1.3	1.4	1.5
E.S.P.(in wc):	1	1	1	1
RPM:	1425	1693	1897	2100

MOTOR : 3 HP, ODP Prem-Eff, 575/3/60
RPM : 1750 (GROUNDED SHAFT)
ISOLATORS : OS DEF : 1 in
FEG71 η_{pt}: 65% η_t / η_{pt} : 95%

(O) 0.5 kW Baseboard Heater
- c/w Thermostat

UNIT MOUNTING
The unit is designed to be mounted on a roof curb.

Note : Calculated unit weights are shipping weights and do not reflect operating conditions, items which are field installed or ship loose.

(A) FILTERS : LIFT-OUT UPSTREAM
VELOCITY : 333 FPM
TYPE : 12" (MERV 14) Farr Riga-Flo 200 PH style
SIZES : 2 @ 24 X 24 2 @ 24 X 12

(B) Service : SF
Fan: 18" EPFN SW, 60% Width, Arrangement-4

Class: 2 Max RPM: 2930

	PH-1	PH-2	PH-3	PH-3+50
A.F.(cfm):	2300	3000	3500	4000
T.S.P.(in wc):	2	2.7	3.3	4
E.S.P.(in wc):	1	1	1	1
RPM:	1585	1938	2198	2467

MOTOR : 5 HP, ODP Prem-Eff, 575/3/60
RPM : 1750 (GROUNDED SHAFT)
ISOLATORS : OS DEF : 2 in
FEG80 η_{pt}: 73% η_t / η_{pt} : 93%

(C) COOLING COIL
TYPE : 8 ROW
SIZES : 1 @ 39 X 30
CONN : LEFT PULL : RIGHT
DRAIN : RIGHT VEL : 492 FPM

(D) DRAIN PAN
CONN : RIGHT

(E) HUMIDIFIER

(F) HIGH TEMP HEATING COIL
TYPE : 2 ROW
SIZES : 1 @ 39 X 30
CONN : LEFT PULL : RIGHT
VEL : 492 FPM

(G) COND WATER HEATING COIL
TYPE : 2 ROW
SIZES : 1 @ 39 X 30
CONN : LEFT PULL : RIGHT
VEL : 492 FPM

(H) FILTERS : LIFT-OUT UPSTREAM
VELOCITY : 333 FPM
TYPE : 2" (MERV 8) Farr 30/30
SIZES : 2 @ 24 X 24 2 @ 24 X 12

(I) RA DAMPER : PARALLEL BLADES
MAKE : T.A. Morrison 1000
SIZE : 39 X 20

(J) OA HOOD

(K) OA DAMPER : PARALLEL BLADES
MAKE : T.A. Morrison 1000
SIZE : 39 X 20

(L) EA HOOD

(M) EA DAMPER : PARALLEL BLADES
MAKE : T.A. Morrison 1000
SIZE : 39 X 20

SDG VER: Jan 21 2021

PROJECT

UHN Fluoroscopy

OPENINGS AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS. RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES.

JOB NO.	63059	DRAWN BY	DW	DWG NO.	63059U05SD01	ACCESS SIDE	RIGHT	DWG UNITS	IN
TAG	RTU-1	DATE	JAN 25/21	TYPE	OUTDOOR	14:04		SCALE	N.T.S.

SALES OFFICE	TRANE VANCOUVER
SALES ENGINEER	IVAN HOLDO

HAAKON INDUSTRIES.
11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8

EQUIPMENT DATA

UNIT NO.		GT-1	ET-1	
SERVICE		GLYCOL FILL TANK	EXPANSION TANK	
LOCATION		PENTHOUSE ROOM	PENTHOUSE ROOM	
MANUFACTURER		AXIOM	ARMSTRONG	
MODEL (CUSTOM)		SF100	AMTROL	
VOLUME	(GAL)	55	AX-15 (V)	
DIAMETER	(mm)	600	300	
	(Inches)	24	12	
HEIGHT	(mm)	1225		
	(Inches)	49		

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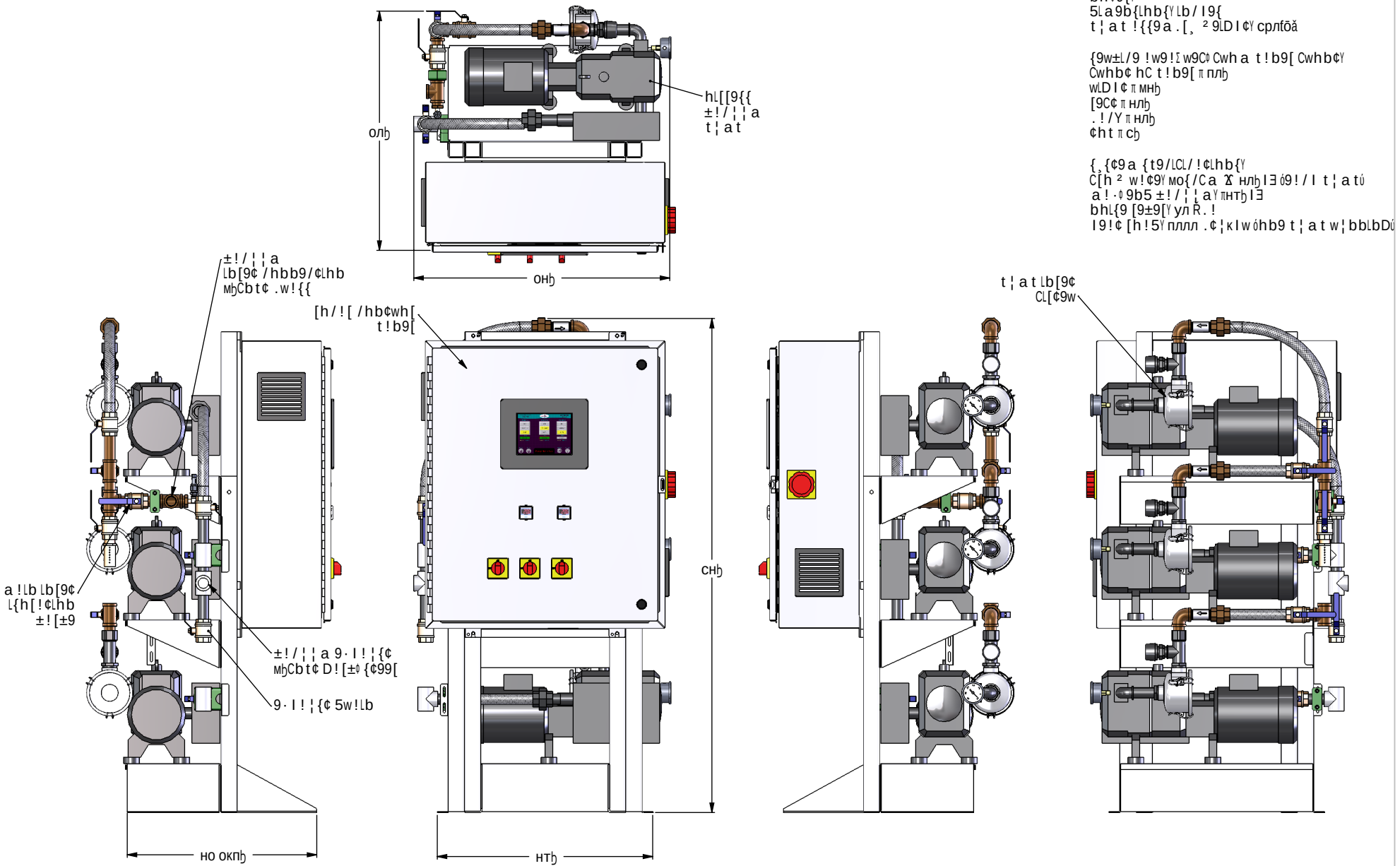

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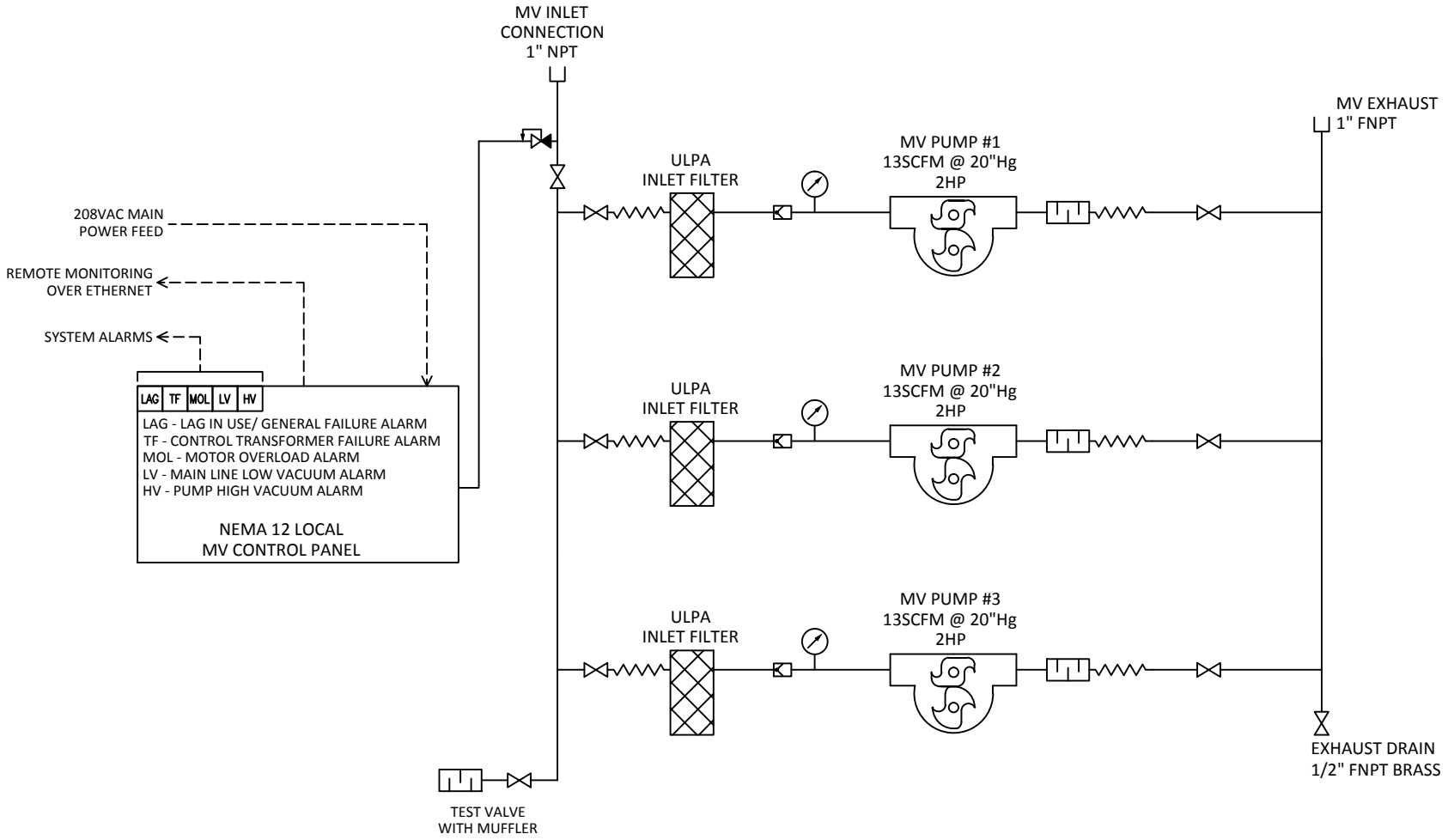


NOTES:

1. ALL INTAKE HEADER PIPING COPPER OR BRASS PIPE AND FITTINGS

LEGEND

- BALL VALVE
- DISS DEMAND CHECK VALVE
- SS BRAIDED FLEX HOSE
- VACUUM GAUGE
- CHECK VALVE

REV.	DESCRIPTION	BY	DATE
B	CHANGE POWER FEED TO 208VAC	DT	21/03/13
A	ISSUED FOR APPROVAL	DT	20/03/13

CLASS 1 INC.
Building Better Healthcare™

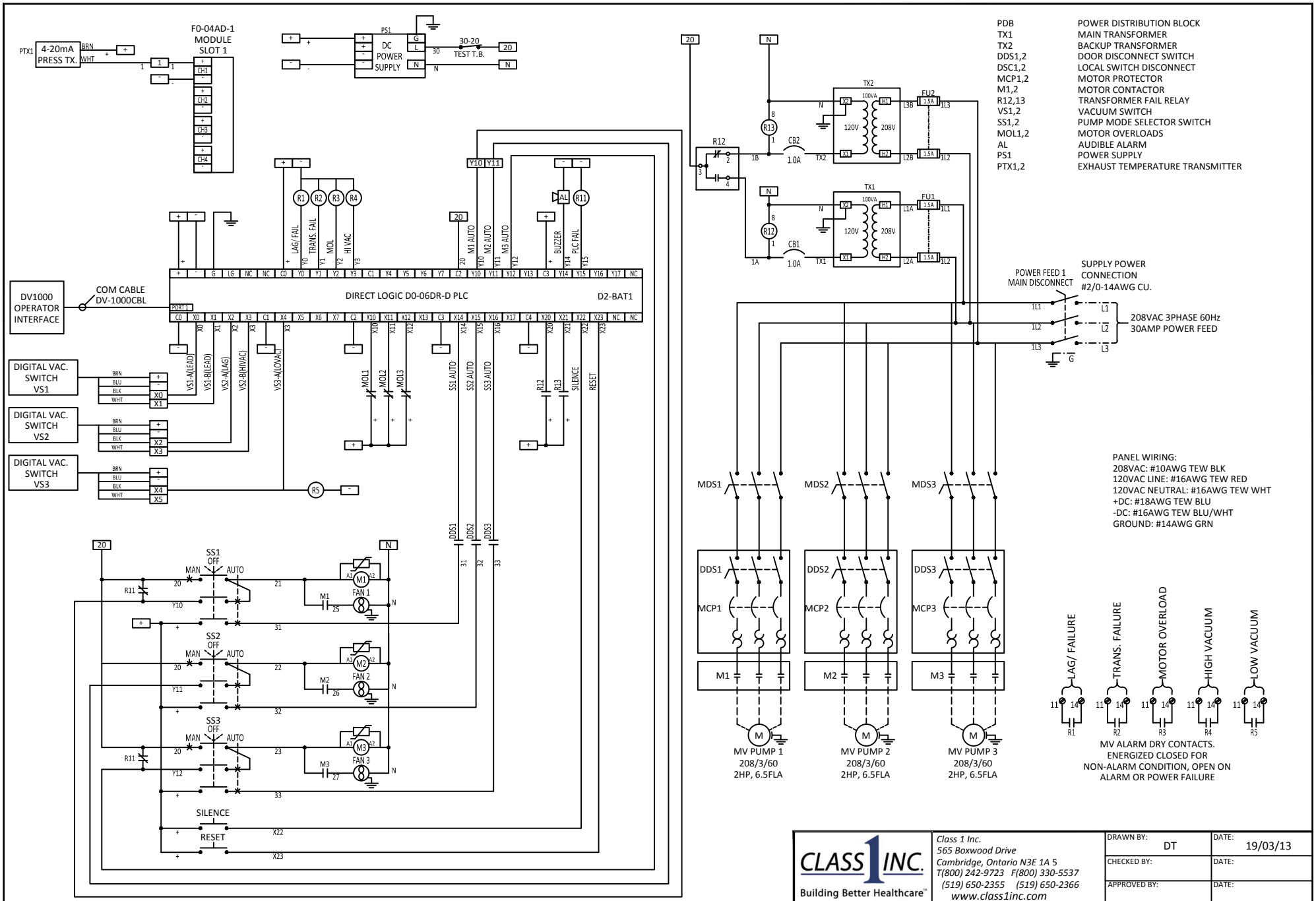
Class 1 Inc.
565 Boxwood Drive
Cambridge, Ontario N3E 1A 5
T(800) 242-9723 F(800) 330-5537
(519) 650-2355 (519) 650-2366
www.class1inc.com

DRAWN BY: DT	DATE: 20/03/13		
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		

CUSTOMER: Almonte General Hospital

TITLE: OLC200-SX3, 2hp Triplex Oilless Claw Medical Vacuum System

SUB-TITLE	SCALE	DWG. NO.	DWG. SUB.	REV.	SHT. SIZE	SHT. NUM.
PROCESS DIAGRAM	NA	MVS-A-249-PI	3	B	A	1 of 1



REV.	DESCRIPTION	BY	DATE
B	CHANGE POWER FEED TO 208VAC	DT	21/03/13
A	ISSUED FOR APPROVAL	DT	19/03/13

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(519) 650-2355 (519) 650-2366
www.class1inc.com

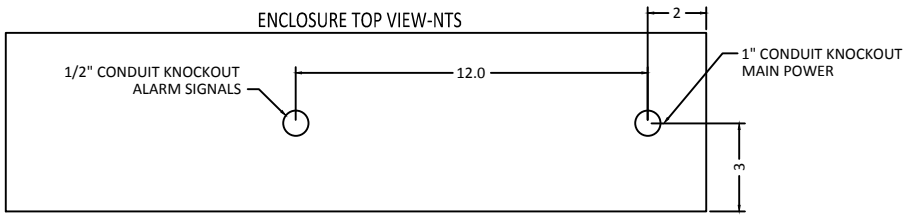
DRAWN BY: DT	DATE: 19/03/13	
CHECKED BY:	DATE:	
APPROVED BY:	DATE:	

CUSTOMER: Almonte General Hospital

TITLE: OLC200-SX3, 2hp Triplex Oilless Claw Medical Vacuum System

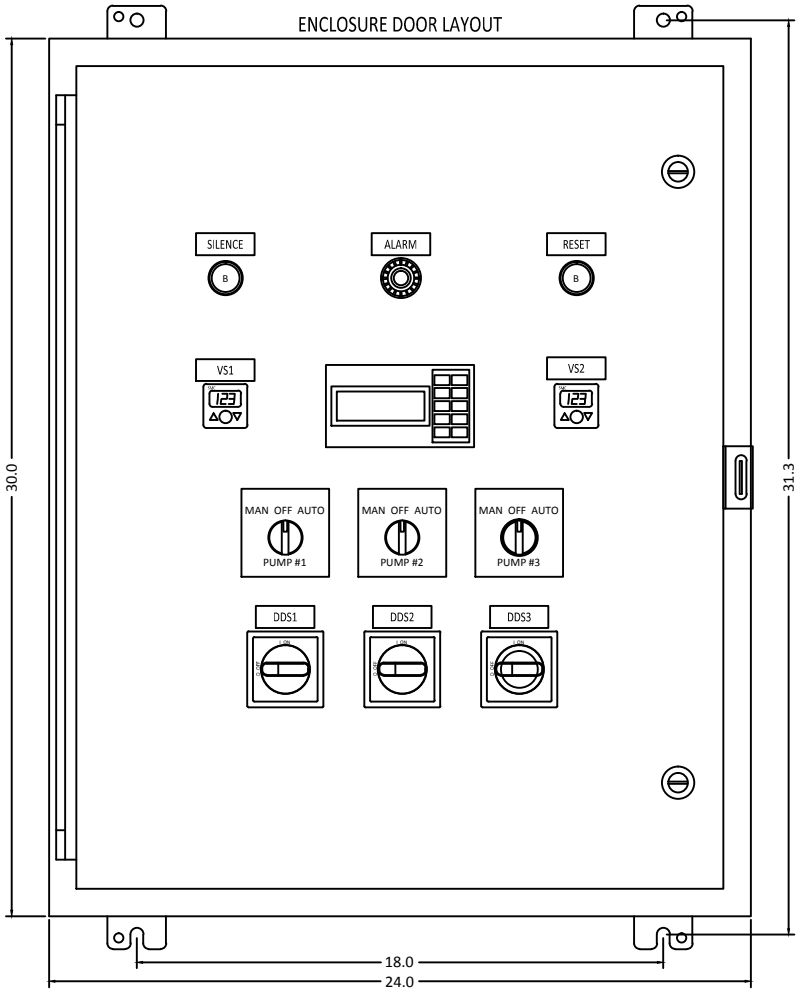
SUB-TITLE:	SCALE:	DWG. NO.	DWG. SUB.	REV.	SHT. SIZE	SHT. NUM.
WIRING DIAGRAM	NA	MVS-A-249-WD	3	B	A	1 of 1

ENCLOSURE TOP VIEW-NTS

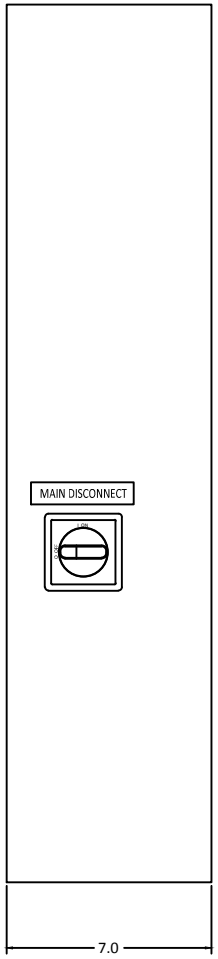


SILENCE - ALARM SILENCE PUSHBUTTON
ALARM - 90dBA AUDIBLE ALARM
RESET - ALARM RESET PUSHBUTTON
VS1,2 - VACUUM SWITCH
PUMP 1,2 - VACUUM PUMP MANUAL-OFF-AUTO SWITCH
DDS 1,2 - DOOR DISCONNECT SWITCH
DSC 1,2 - LOCAL DISCONNECT SWITCH
R1,10 - TRANSFORMER SWITCH RELAY
TX1,2 - MAIN AND BACKUP TRANSFORMER
PDB - POWER DISTRIBUTION BLOCK
MCP1,2 - MOTOR CIRCUIT BREAKER
M1,2 - MOTOR CONTACTOR
MOL1,2 - MOTOR OVERLOAD PROTECTION

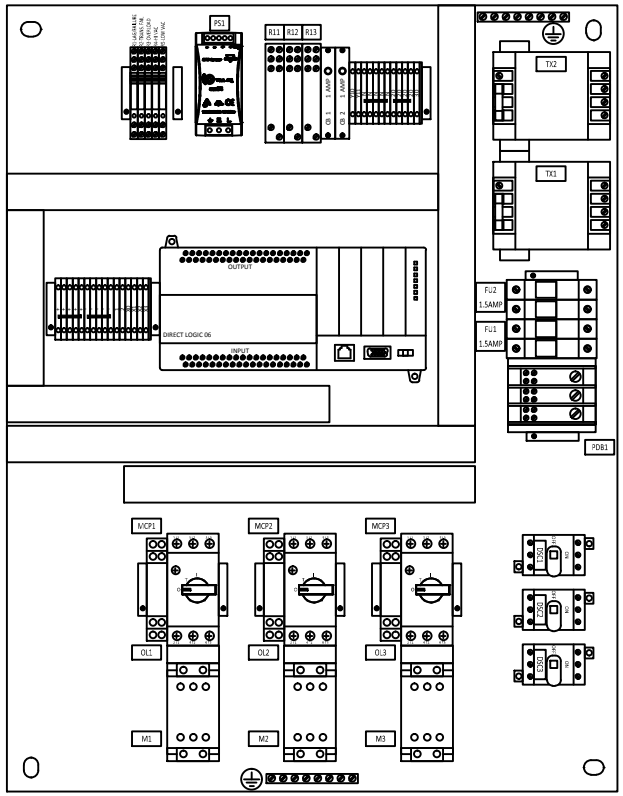
ENCLOSURE DOOR LAYOUT



ENCLOSURE SIDE LAYOUT



INNER PANEL LAYOUT



NOTES:

1. DOOR IS HINGED ON THE LEFT
2. DIMENSIONS ARE IN INCHES
3. APPROXIMATE WEIGHT: 110lbs

REV.	DESCRIPTION	BY	DATE
B	CHANGE POWER FEED TO 208VAC	DT	21/03/13
A	ISSUED FOR APPROVAL	DT	19/03/13

CLASS 1 INC.
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Cambridge, Ontario N3E 1A 5
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(519) 650-2355 (519) 650-2366
www.class1inc.com

DRAWN BY: DT	DATE: 19/03/13		
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		

CUSTOMER: Almonte General Hospital

TITLE: OLC200-SX3, 2hp triplex Oilless Claw Medical Vacuum System

SUB-TITLE:	SCALE:	DWG. NO.	DWG. SUB.	REV.	SHT. SIZE	SHT. NUM.
PANEL LAYOUT	NA	MVS-A-249-PL	3	B	A	1 of 1

NRS ENGINEERING LTD
Consulting Electrical Engineers

Electrical Addendum No. One

PROJECT: UHNBC Interventional Fluoroscopy – Phase 1 **PROJECT No:** 2474

PRIME CONSULTANT: DCYT Architecture **DATE:** February 22, 2021

This addendum information is to be included as part of the tender documents, and the cost of this work shall be included in the tender amount. Indicate receipt of this addendum on the Tender Form.

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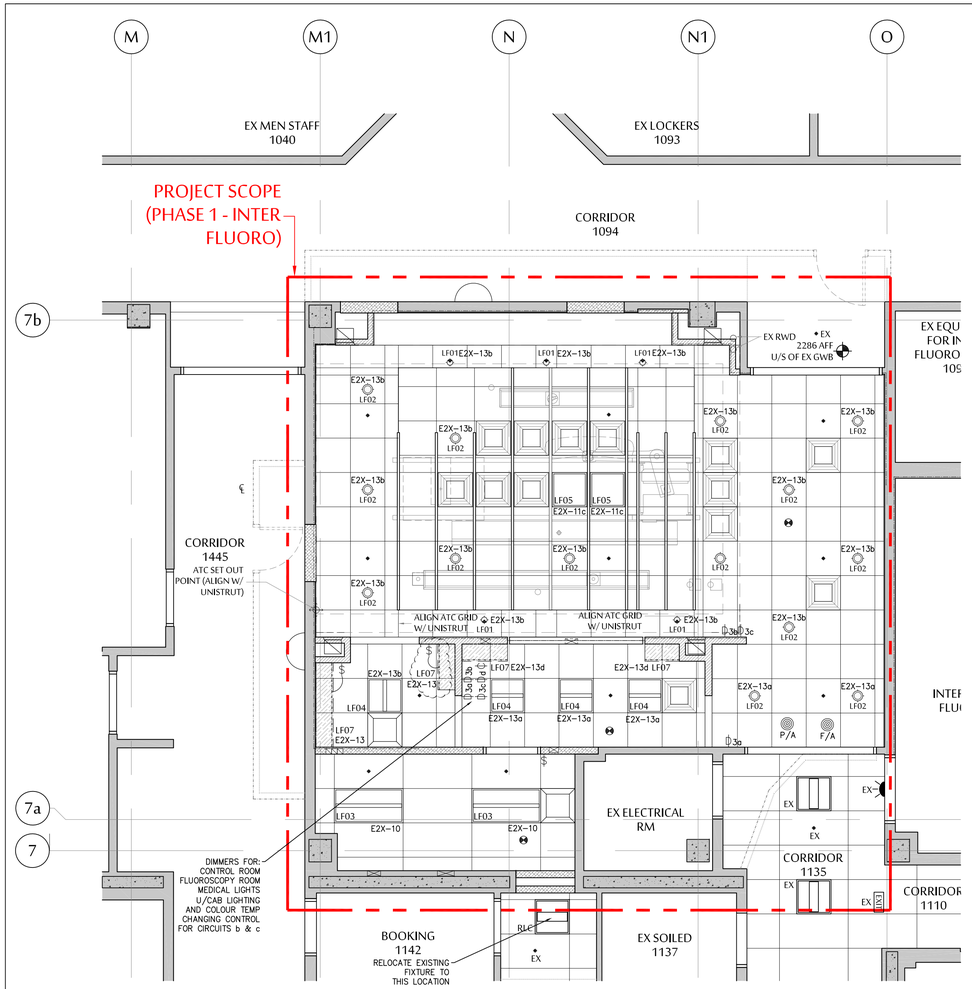
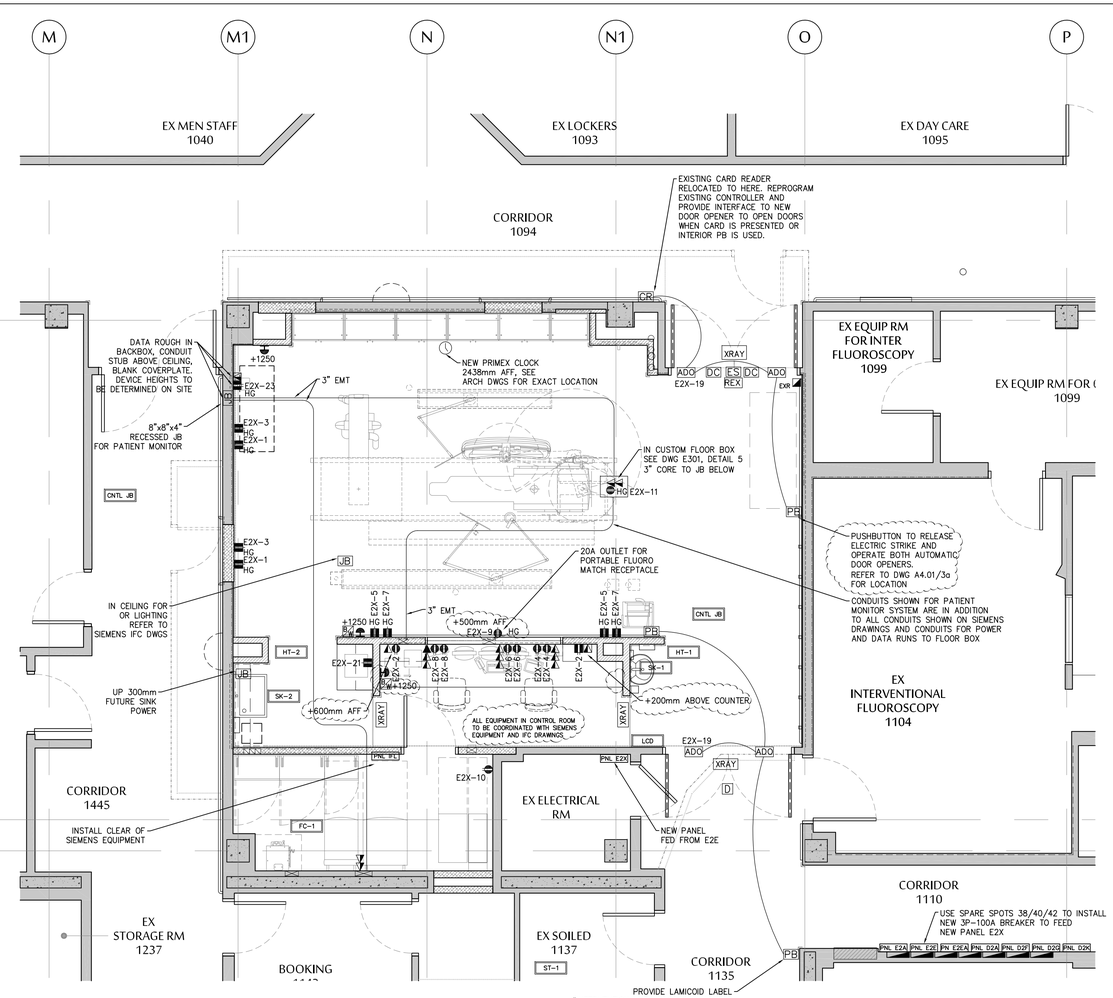
1. Drawing #E2.01 (Refer to drawing, reissued with Addendum)

    a. Several devices have notes added to clarify mounting heights and locations.
    b. All device locations to be coordinated with Architectural drawings and Siemens equipment.

a:\2600\2674 - uhnbc - fluoroscopy redevelopment\docs\addendum e1 - uhn inter fluoro.docx





1 PHASE 1 - LEVEL 1 -LAYOUT RCP

SCALE : 1 = 50

2 PHASE 1 - LEVEL 1 - LAYOUT PLAN

SCALE : 1 = 50

LIGHTING LEGEND

LF01	RECESSED 3.5" LED DIMMING LIGHT 12 WATTS, 850 LUMENS, 3500 DEGK	LITELINE RA35-12-RG90-WH-P3520
LF02	RECESSED 5"/6" LED DIMMING LIGHT 20 WATTS, 1450 LUMENS, 3500 DEGK	LITELINE RA56-20-F-L1-90-WH-WH-P5510
LF03	2'x4' LED FLAT PANEL, 0-10V DIMMING 30W, 3600 LUMENS, 3500K	LITELINE LEDP-24-WH-35-30W-120
LF04	2'x2' LED ARCHITECTURAL FIXTURE, 1% 0-10V DIMMING 20W, 2500 LUMENS, 3500K	METALUX ENCOUNTER 2GRH-LD2-25-UNV-L835-CD1
LF05	2'x2' LED CLEANROOM FIXTURE, 0-10V DIMMING, EMERGENCY LIGHTING PACK 112W, 12,225 LUMENS, 3500K	COOPER FAILSAFE CLM-242-INS-A12125-LD4-5HI-35-120-ED1D-1-EL14W
LF06	1'x2' LED CLEANROOM FIXTURE, 0-10V DIMMING 45W, 3850 LUMENS, 3500K	COOPER FAILSAFE CLM-122-INS-A12125-LD4-2HI-35-120-ED1D-1-EL14W
LF07	LED UNDERCABINET LIGHTING, CUSTOM LENGTHS, 24VDC, DIMMING, WITH ALUMINUM PROFILE AND DIFFUSER, MOUNTING CLIPS 25W DIMMING POWER SUPPLY AND POWER FEEDS HWB-DIM-EDC-24V-25W	LITELINE LED-TP-TP1W-xx-35 (LENGTH VARIES, REFER TO DWGS) LED-TP-AL1607, LED-TP-AL1607-EC, LED-TP-AL1607-MC
$	15A LIGHT SWITCH ANTIMICROBIAL, WITH ANTIMICROBIAL STAINLESS COVERPLATE	LEVITON A1221-2 / 84001-A40 COVER
$m	MOTION ACTIVATED DIMMER SWITCH 1250mm ABOVE FLOOR	LUTRON MS-Z101-WH
$ $3	DIMMER SWITCH FOR LED, 3 WAY DIMMING WHERE NOTED FOR 3 WAY DIMMING USE ONE DIMMER AND ONE MA-R COMPANION DIMMER	LUTRON MACL-153M-WH MA-R COMPANION DIMMER FOR 3-WAY
¢	SLIDE DIMMER SWITCH, 0-10V FOR COLOUR TEMPERATURE CONTROL	LUTRON NOVA-T NTST-DV
XRAY	X-RAY WARNING LIGHT - LED, 24 VOLT WITH "RADIATION IN USE" WORDING	BIGHELLI STELLA RM WITH SPECIAL WORDING
EXIT	LED EXIT LIGHT WITH INTEGRAL BATTERY BACKUP	BIGHELLI STELLA RM

NOTE: ALL LIGHT SWITCHES AND DIMMER SWITCHES TO HAVE ANTIMICROBIAL STAINLESS COVERPLATES

MECHANICAL EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	UNIT LOCATION	SERVICE	LOAD	VOLTAGE	PHASE	BREAKER	FEEDER	CIRCUIT	STARTER			TYPE	DISC SW	NOTES
										SUPPLIED	INSTALLED	CONNECTED			
FC-1	CHILLED WATER FAN COIL	ABOVE EQ. ROOM	EQUIP ROOM COOLING	0.5 HP	208	1	15A	2c#12	E2X-14/16	MECH	MECH	ELEC	–	ELEC	
HT-1,2	HEAT TRACE ON COLD WATER LINE	ABOVE EQ. ROOM	FLUORO ROOM	mech	208	1	15A	2c#12	NON-ESS	MECH	MECH	ELEC	–	ELEC	GFI BREAKER – TRACE SUPPLIED BY MECHANICAL
CNTL JB	JUNCTION BOX FOR CONTROLS	SEE DRAWINGS	120 VOLT CONTROL POWER	frac	120	1	15A	2c#12	EDX-12	MECH	MECH	MECH	–	ELEC	
MISC															
SK-1	HANDS FREE SINK	INTER FLOURO ROOM	HAND HYGIENE SINK	frac	120	1	15A	2c#12	EDX-2						PROVIDE ESSENTIAL POWER – JB FOR POWER
SK-2	SCRUB SINK JB	INTER FLOURO ROOM	SCRUB SINK JB	frac	120	1	15A	2c#12	EDX-2						PROVIDE ESSENTIAL POWER FOR CONTROL POWER
LCD	LCD PRESSURE MONITOR	INTER FLOURO ROOM	LCD DISPLAY POWER	frac	120	1	15A	2c#12	EDX-12						

ABOVE INFORMATION HAS BEEN PROVIDED FROM THE MECHANICAL DESIGNER AND MAY NOT BE COMPLETE. ELECTRICAL CONTRACTOR SHALL REVIEW THE MECHANICAL DRAWINGS, SPECIFICATIONS AND ADDENDA FOR A COMPLETE LIST OF MECHANICAL EQUIPMENT BEFORE SUBMITTING TENDER. PROVIDE ELECTRICAL CONNECTION AND CONTROL AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AND INCLUDE ALL COSTS IN THE TENDER PRICE. CONTRACTOR TO CONFIRM STARTER AND CONTROL REQUIREMENTS WITH MECHANICAL DIVISION BEFORE SUBMITTING TENDER.

NOTES:

1. WIRING FOR 'HG' HOSPITAL GRADE RECEPTACLES TO BE IN #10 COPPER WITH #10 INSULATED BONDING CONDUCTOR, AND COMPLY WITH CEC SECTION 24 AND CSA Z32 STANDARDS.
2. TERMINATE BONDING CONDUCTOR ON INSULATED BONDING BUS IN PANEL INDICATED.
3. PROVIDE TESTING OF ALL 'HG' RECEPTACLES FROM THIRD PARTY TESTING AGENCY TO CSA Z32 STANDARDS BY INDEPENDENT THIRD PARTY TESTING AGENCY.
4. REFER TO SPECIFICATIONS FOR TESTING REQUIREMENTS FOR FIRE ALARM AND NURSE CALL SYSTEMS.
5. PROVIDE SERVICES OF HOSPITAL SECURITY CONTRACTOR TO REPROGRAM EXISTING KANTECH DOOR CONTROLLER IF REQUIRED TO PROVIDE CARD ACCESS CONTROL. SECURITY CONTRACTOR TO INCLUDE ALL WORK ASSOCIATED WITH ACCESS CONTROL AND CCTV WORK.
6. ELECTRICAL CONTRACTOR TO SCAN/X-RAY SLAB FOR ALL REQUIRED FLOOR PENETRATIONS PRIOR TO CORING, AND CONFIRM LOCATIONS WITH HOSPITAL'S FACILITIES MANAGER AND PROJECT STRUCTURAL ENGINEER PRIOR TO CORING.
7. FINAL LOCATIONS OF ALL RECEPTACLES TO BE APPROVED BY ARCHITECT ON SITE.
8. FINAL LOCATIONS OF E-STOP BUTTONS TO BE CONFIRMED BY CLIENT ON SITE.
9. PROVIDE RELAY AND CONNECTION FROM SIEMENS SYSTEM CABINET TO ALLOW CONTROL OF FLUOROSCOPY LIGHTING FROM FOOT PEDAL CONTROL.
10. EXISTING NON-ESSENTIAL POWER CIRCUITS MAY BE REUSED FOR LOADS INDICATED AS NON-ESSENTIAL. SHOW CIRCUITS ON AS BUILT DRAWINGS AND REVISE PANEL SCHEDULES.
11. EXISTING ESSENTIAL POWER CIRCUITS ARE TO BE RENDERED SPARE – REMOVE WIRING, TURN OFF BREAKER AND REVISE PANEL SCHEDULES.
12. USE #10 CU WIRING FOR ALL HOSPITAL GRADE RECEPTACLES WITH #12 INSULATED GROUND CONDUCTOR.
13. E-STOP BUTTON TO BE WIRED TO SHUNT TRIP MAIN BREAKER IN PANEL IFL AND ALSO TO UPS CONTACTOR TO DISABLE ALL POWER TO THE FLUOROSCOPY MACHINE. REFER TO SIEMENS DRAWINGS.

SECURITY SYSTEM LEGEND

CR	EXISTING KANTECH CARD READER TO BE RELOCATED
PB	PUSH BUTTON FOR DOOR OPERATION – PROVIDED BY ELEC CONTRACTOR RELEASES STRIKE AND OPERATES BOTH DOOR OPENERS
ADO	AUTOMATIC (HANDICAPPED) DOOR OPERATOR PROVIDED BY OTHERS, WIRED BY ELECTRICAL
DC	DOOR CONTACT PROVIDED BY ELECTRICAL CONTRACTOR
ES	ELECTRIC STRIKE AND POWER TRANSFER HINGE SUPPLIED WITH DOOR
REX	REQUEST TO EXIT SENSOR PROVIDED BY ELECTRICAL CONTRACTOR

ELECTRICAL LEGEND

COUNTER HEIGHT	300mm A.F.F.	ITEM DESCRIPTION	MANUFACTURER PART NUMBER
		15A/20A DUPLEX RECEPTACLE – WHITE – ESSENTIAL POWER WITH STAINLESS STEEL COVERPLATE	HUBBELL 5362-R
		15A DUPLEX DEDICATED RECEPTACLE – ESSENTIAL POWER WITH STAINLESS STEEL COVERPLATE	HUBBELL 5262-R
HG	HG	DUPLEX RECEPTACLE – HOSPITAL GRADE WITH STAINLESS STEEL COVERPLATE	HUBBELL HBL8200R / HBL8300R
		COMMUNICATION OUTLET – FT6 RATED CATEGORY 6 CABLE TO ROOM 1238 PROVIDE PLASTER RING AND 3/4" EMT TO ABOVE SUSPENDED CEILING SPACE	TO MATCH EXISTING NHA STANDARD EQUIPMENT
		PACS COMMUNICATION OUTLET – FT6 RATED CATEGORY 6 TO ROOM 1128 PROVIDE PLASTER RING AND 3/4" EMT TO ABOVE SUSPENDED CEILING SPACE	TO MATCH EXISTING NHA STANDARD EQUIPMENT
UP 2438mm		PRIMEX BATTERY POWERED WALL CLOCK REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING LOCATION	TO MATCH EXISTING NHA STANDARD EQUIPMENT
ON CEILING		FIRE ALARM HEAT DETECTOR	EXISTING SIMPLEX TO BE REUSED/RELOCATED
EX TO REMAIN		FIRE ALARM PULL STATION	EXISTING SIMPLEX TO BE REUSED
UP 1250 AFF		EMERGENCY E-STOP BUTTON – 2NC/2NO CONTACTS, TURN/PULL TO RESET RED, WITH RECESSED BACKBOX AND PROTECTION SHROUD	IDEC HW SERIES – METAL NAMEPLATE HW1Z-BV422-R WITH NSR NAMEPLATE

NURSE CALL LEGEND

B	NURSE CALL SYSTEM CODE BLUE / STATION WITH NEW HINGED PLASTIC COVER	RAULAND EXISTING TO BE RELOCATED
B/W	NURSE CALL SYSTEM CODE BLUE / CODE WHITE STATION WITH NEW HINGED PLASTIC COVER	RAULAND EXISTING TO BE RELOCATED
D	NURSE CALL SYSTEM CORRIDOR ROOM INDICATOR LIGHT – WALL/CEILING MOUNTED	

E-STOP BUTTON DETAIL

(DOOR CONTROL PUSHBUTTONS TO BE SIMILAR, WITHOUT 'EMERGENCY' LABEL)

PANEL IFL

DESCRIPTION: INTERVENTIONAL FLUOROSCOPY
SERVICE: 480/277V, 3ø, 4W
FEEDER: –
BUS: 200A MOUNTING: FLUSH

MAIN BREAKER — 200A SHUNT

Circuit Description	No. Brk.			No. Brk.	Circuit Description
–	1			2	–
–	70A			15A	–
GENERATOR	3			4	–
CABINET	70A			15A	–
–	5			6	–
–	70A			15A	–
–	7			8	–
–	15A			15A	–
–	9			10	–
–	50A			15A	–
UPS	11			12	–
CABINET	50A			15A	–
–	13			14	–
–	50A			15A	–
–	15			16	–
–	15A			15A	–
–	17			18	–
–	15A			15A	–
–	19			20	–
–	15A			15A	–
–	21			22	–
–	15A			15A	–
–	23			24	–
–	15A			15A	–

SHUNT TRIP MAIN BREAKER
CONFIRM ALL BREAKER SIZES WITH SIEMENS

NOT FOR CONSTRUCTION

NRS ENGINEERING LTD
Consulting Electrical Engineers
#212-556 North Nechako Road
Prince George BC V2K 1A1
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Fax 250.562.0558
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N2674-UHN Fluoro

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DRAWING LEGEND

- PROJECT AREA
- EXISTING WALL TO BE REMOVED (INCL ELEC, MECH, PLUMB & SPRINKLER WORK WITHIN WALL)
- EXISTING WALL TO REMAIN
- NEW WALL
- NEW WALL WITH ACOUST INSULATION
- EX DOOR (EX01) — EXISTING DOOR & FRAME TO REMAIN (SEE DOOR SCHEDULE)
- EX DOOR (EX01) — EXISTING DOOR & FRAME TO BE REMOVED OR RELOCATED (SEE DOOR SCHEDULE)
- D1 — NEW DOOR & FRAME (SEE DOOR SCHEDULE)
- 1 / A6.01 — INTERIOR ELEVATION # / DWG #
- 1 / A1.01 — CROSS SECTION # / DWG #
- W1 — WALL TYPE (SEE WALL SCHEDULE)
- W1 — WINDOW TYPE (SEE WINDOW SCHEDULE)
- GP1 — GLAZING PARTITION TYPE (SEE GLAZING PARTITION SCHEDULE)
- CG1 — 90° CORNER GUARD
- CG2 — 135° (OR CUSTOM ANGLE) CORNER GUARD
- FD — FLOOR DRAIN
- GB — GRAB BAR
- HMI — HANDICAPPED MIRROR
- MI — MIRROR
- EXTENT OF ACCENT WALL (SEE ROOM FINISH SCHEDULE) - ALLOW FOR 1 COLOUR
- EXTENT OF LEAD LINING (SEE RAD. REPORT)
- EXTENT OF FIRE RETARDANT TREATED PLYWOOD BACKING
- FE — FIRE EXTINGUISHER (36" A.F.F. TO BOTTOM OF CABINET) - SEE MECH DWGS

No.	REVISION	DATE	BY
	ISSUED FOR ADDENDUM 1	FEB 22, 2021	SY
	ISSUED FOR TENDER	FEB 10, 2021	SY
	ISSUED FOR 80% CD REVIEW	DEC 16, 2020	SY
	ISSUED FOR BUILDING PERMIT	DEC 4, 2020	SY
-	ISSUED FOR DD	NOV 20, 2020	SY
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

northern health
the northern way of caring

UHNBC
FLUOROSCOPY
REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

PHASE 1 - INTER FLUORO
ELECTRICAL
LAYOUT PLAN

SCALE: 1 : 50
DATE: NOVEMBER 2020
DRAWN: NRS
CHECKED: NRS/SY
JOB No.: N2674

PHASE 1
E2.01